DESIGN DESIGNATION

A.A.D.T. - 2024 = 25,200
A.A.D.T. - 2044 = 27,800
D.H.V. = 10%
T = 12.6%
V = 40 M.P.H.
D = 50%

FUNCTIONAL CLASSIFICATION - PRINCIPAL ARTERIAL

NORMAL ACCESS RIGHT OF WAY IS TO BE ACQUIRED FOR THIS PROJECT.

CONVENTIONAL SYMBOLS
(USED IN PLANS)

	EXISTING	NEW
BUILDINGS AND STRUCTURES		
GUARD RAIL		
CONCRETE RIGHT-OF-WAY MARKER		
STEEL RIGHT-OF-WAY MARKER		
LOCATION SURVEY MARKER		
UTILITIES		
FIBER OPTICS	-FO-	~~FO~~
OVERHEAD TELEPHONE		
UNDERGROUND TELEPHONE	-UT-	~~UT~~
OVERHEAD POWER	-OE-	~~OE~~
UNDERGROUND POWER	-UE-	~~UE~~
GAS	-G-	~~G~~
WATER	-W-	~~W~~
CABLE TV	-UTV-	~~UTV~~
MANHOLE	SAN	
FIRE HYDRANT	HYD	
WATER VALVE	WV	
WATER METER	WM	
DROP INLET	DI	
DITCH BLOCK		
GROUND MOUNTED SIGN	SIGN	
LIGHT POLE		
H-FRAME POWER POLE		
POWER POLE	PP	
GUY WIRE		
TELEPHONE PEDESTAL	PED	
FENCE		
CHAIN LINK	-V-	
WOVEN WIRE	-X-	
GATE POST		
BENCHMARK	BM	
TEMPORARY CONSTRUCTION EASEMENT	TCE	
DO NOT DISTURB	(DND)	
REMOVE	(R)	
RELOCATE	(RELOC.)	
REMOVE AND REPLACE	(R & R)	
REMOVE AND RELOCATE	(R & RELOC.)	
ADJUST TO GRADE	(ATG)	
USE IN PLACE	(UIP)	
TO BE ABANDONED	(TBA)	
BY OTHERS	(BO)	

CURB RAMPS

COMPOUND PERPENDICULAR CURB RAMP	COMP PERP RAMP
TYPE 1 PARALLEL CURB RAMP	T1 PAR RAMP
TYPE 2 PARALLEL CURB RAMP	T2 PAR RAMP
SMALL RADIUS PERPENDICULAR CURB RAMP	SR PERP RAMP
LARGE RADIUS PERPENDICULAR CURB RAMP	LR PERP RAMP
DUAL PERPENDICULAR CURB RAMP	DUAL PERP RAMP
BLENDED TRANSITION CURB RAMP	BLD TRANS RAMP
TRUNCATED DOMES	

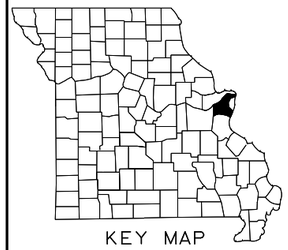
DRAINAGE

GRATE INLET	GI
CURB INLET	CI
MANHOLE	MH
SPECIAL STRUCTURE	SP
COLLAR	COL
FLARED END SECTION	FES

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
PLANS FOR PROPOSED STATE HIGHWAY

MO ROUTE 366 (WATSON ROAD)
ADA, SIGNAL AND PAVEMENT IMPROVEMENTS
WITH J0228 BRIDGE REPLACEMENT
MoDOT JOB NO. J6S3582
ST. LOUIS COUNTY



KEY MAP
SHOWING LOCATION OF ST. LOUIS COUNTY

TOWNSHIP 44N
RANGE 5E, SECTIONS 14,13
RANGE 6E, SECTION 18,17,8,9

US SURVEY 131,336,654,406,1203,167,166

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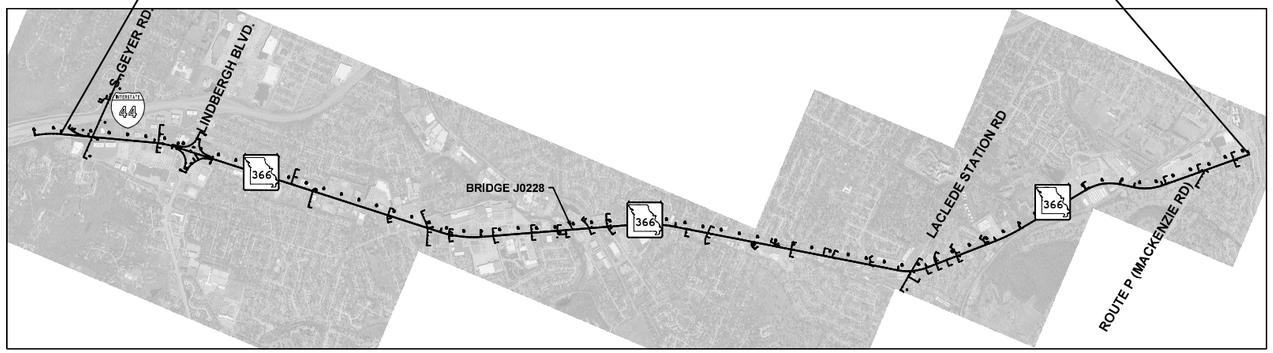
BEGIN PROJECT
ROUTE 366
STA. 2002+00

SIDEWALKS
PAVEMENT
DRAINAGE
BRIDGE
WALL
LIGHTING
SIGNALS
SIGNING
ITS

END PROJECT
ROUTE 366
STA. 2335+61.34

NOT TO SCALE



UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION AND THEREFORE THEIR LOCATIONS SHALL BE CONSIDERED APPROXIMATE ONLY. THE VERIFICATION OF THE LOCATION OF ALL UNDERGROUND UTILITIES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THEY SHALL BE LOCATED PRIOR TO ANY GRADING OR CONSTRUCTION OF THE IMPROVEMENTS

MISSOURI ONE CALL: 1-800-DIG-RITE (1-800-344-7483)

FOR INFORMATION ONLY:
ESTIMATED DISTURBED AREA = 15.5 ACRES

SUBMITTED: 7/24/2024

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
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TYPICAL SECTIONS (TS) (10 SHEETS)	2
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CULVERT SECTIONS (CS)	502-510
CROSS SECTIONS (XS)	1-205
BRIDGE A9260 SHEETS (B)	1-29

LENGTH OF PROJECT

BEGINNING OF PROJECT	STA. 2002+00.00	
END OF PROJECT	STA. 2335+61.34	
APPARENT LENGTH	33361.34	FEET
EQUATIONS AND EXCEPTIONS:		
US 50 BRIDGE STA. 2042+45.00 TO STA. 2044+00.00	-155.00	FEET
TOTAL CORRECTIONS	155.00	FEET
NET LENGTH OF PROJECT	33206.34	FEET
STATE LENGTH	6.29	MILES

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED: 7/24/2024
ROUTE: 366 | STATE: MO
DISTRICT: SL | SHEET NO.: 1
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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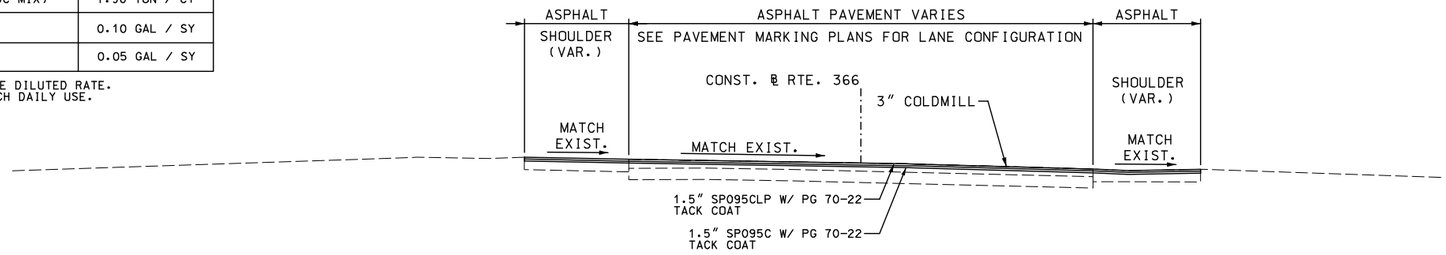
ENGINEERING CORPORATION - 000631

REV.

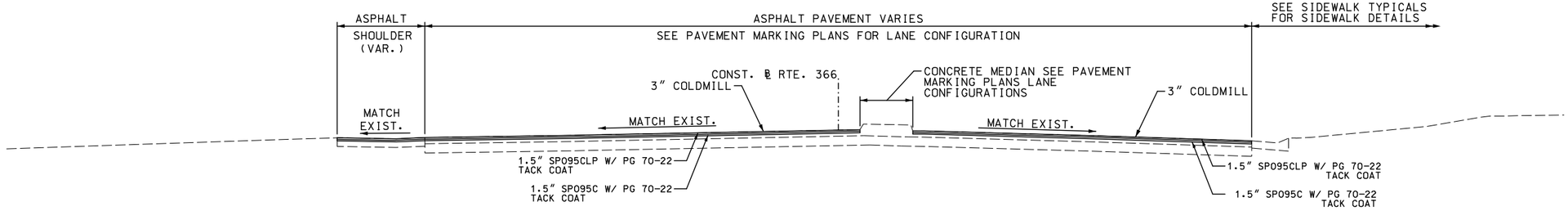
APPLICATION RATES	
ASPHALTIC CONCRETE MIXTURE PG 70-22 (SP095CLP MIX)	1.94 TON / CY
ASPHALTIC CONCRETE MIXTURE PG 70-22 (SP095C MIX)	1.96 TON / CY
TACK COAT ON COLDMILL SURFACE*	0.10 GAL / SY
TACK COAT ON NEW ASPHALT SURFACE*	0.05 GAL / SY

* TACK CALCULATIONS ARE FOR THE DILUTED RATE.
CONTRACTOR TO MODIFY FOR EACH DAILY USE.



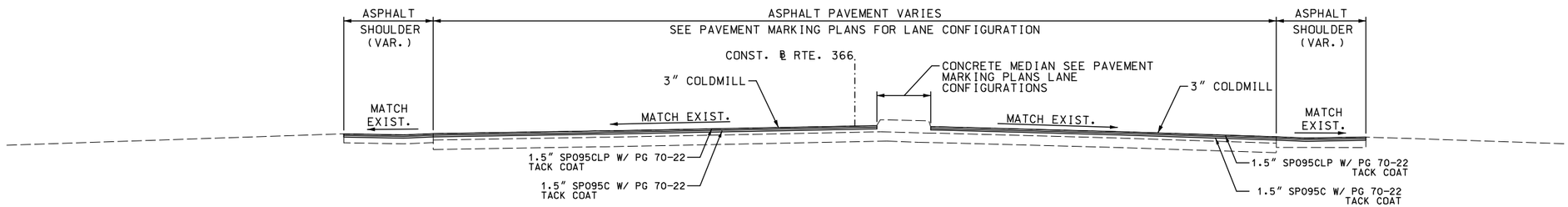
1 TYPICAL SECTION MO ROUTE 366 WATSON RD

STA. 2002+00 TO STA. 2013+51



2 TYPICAL SECTION MO ROUTE 366 WATSON RD

STA. 2013+51 TO STA. 2015+64



3 TYPICAL SECTION MO ROUTE 366 WATSON RD

STA. 2015+64 TO STA. 2022+00

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CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/24/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	2

COUNTY
ST. LOUIS
JOB NO.
J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

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DESCRIPTION	DATE

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105 WEST CAPITOL
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SHEET 1 OF 10

TYPICAL SECTION

MO ROUTE 366
WATSON ROAD

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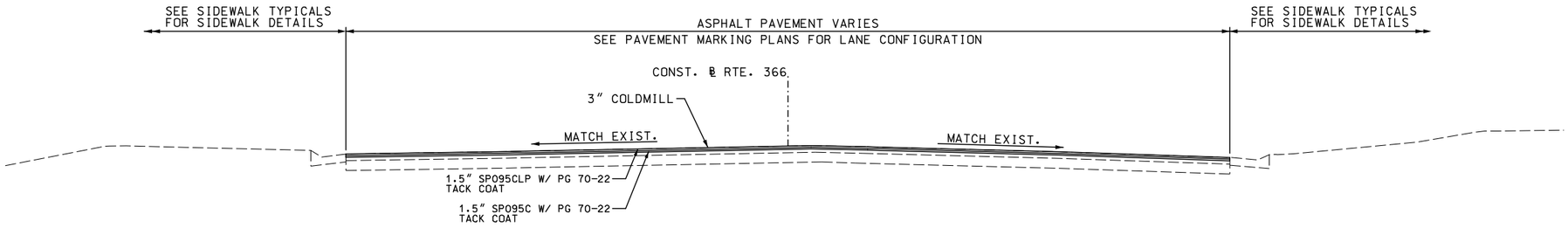
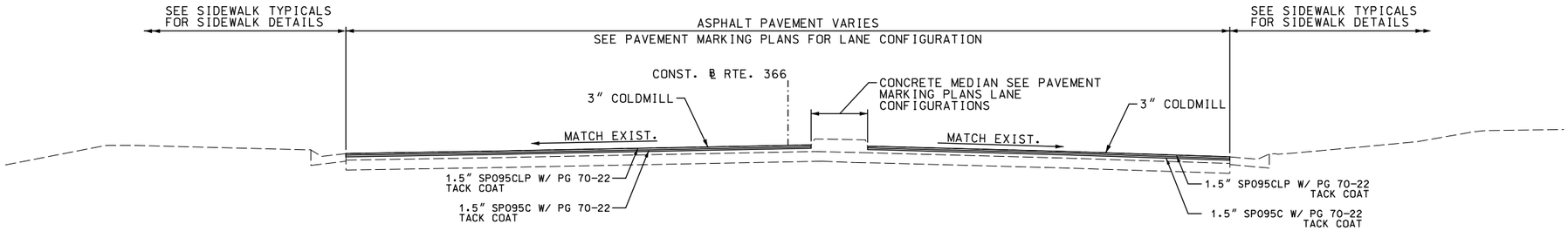


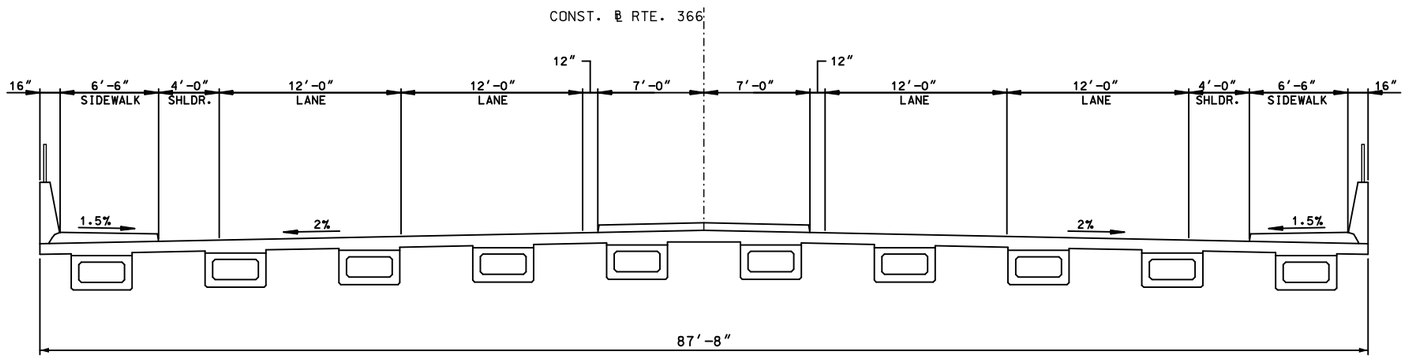
4 TYPICAL SECTION MO ROUTE 366 WATSON RD

STA. 2022+00 TO STA. 2033+96
STA. 2036+00 TO STA. 2038+97
STA. 2047+77 TO STA. 2096+37
STA. 2163+06 TO STA. 2238+33
STA. 2247+11 TO STA. 2266+04
STA. 2290+35 TO STA. 2303+85
STA. 2334+45 TO STA. 2334+97



5 TYPICAL SECTION MO ROUTE 366 WATSON RD

STA. 2033+96 TO STA. 2036+00
STA. 2038+97 TO STA. 2042+45
STA. 2043+99 TO STA. 2047+77
STA. 2096+37 TO STA. 2149+14
STA. 2150+02 TO STA. 2163+06
STA. 2238+33 TO STA. 2247+11
STA. 2324+32 TO STA. 2334+45



TYPICAL SECTION MO ROUTE 366 WATSON RD
BRIDGE A9260

6

STA. 2149+14 TO STA. 2150+02

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
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07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/24/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	2

COUNTY
ST. LOUIS

JOB NO.
J6S3582

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PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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SHEET 2 OF 10

TYPICAL SECTION

MO ROUTE 366
WATSON ROAD

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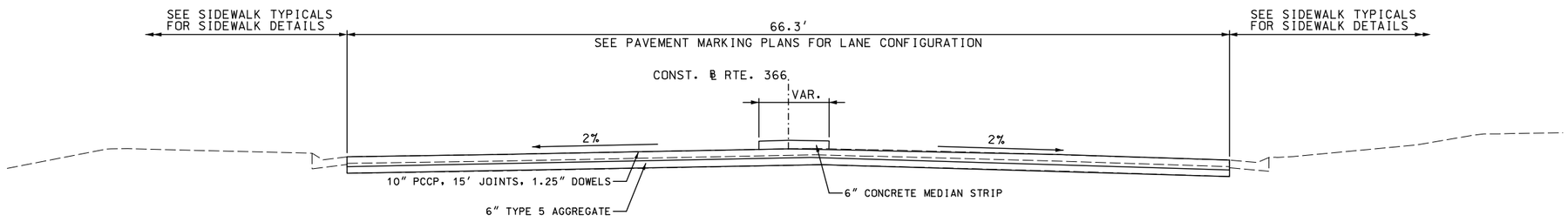
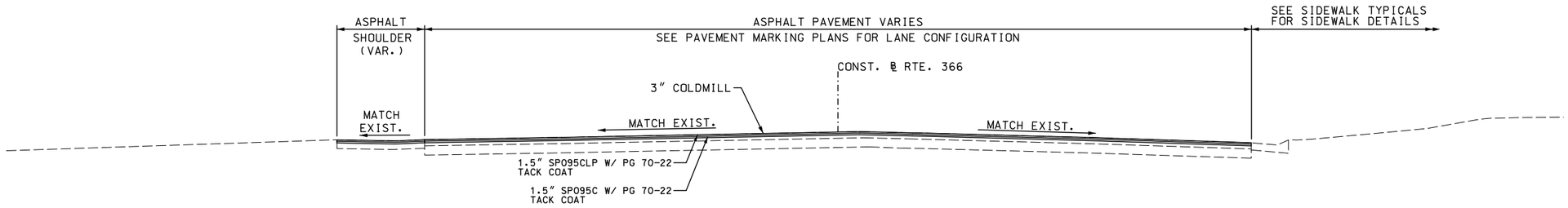


7 TYPICAL SECTION MO ROUTE 366 WATSON RD

STA. 2150+27 TO STA. 2151+25



8 TYPICAL SECTION MO ROUTE 366 WATSON RD

STA. 2266+04 TO STA. 2290+35

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED: 7/24/2024
MO ROUTE: 366 | STATE: MO
DISTRICT: SL | SHEET NO.: 2
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

IF A SEAL IS PRESENT ON THIS SHEET IT HAS been ELECTRONICALLY SEALED AND DATED.

REV.	DESCRIPTION	DATE

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SHEET 3 OF 10
TYPICAL SECTION
MO ROUTE 366
WATSON ROAD

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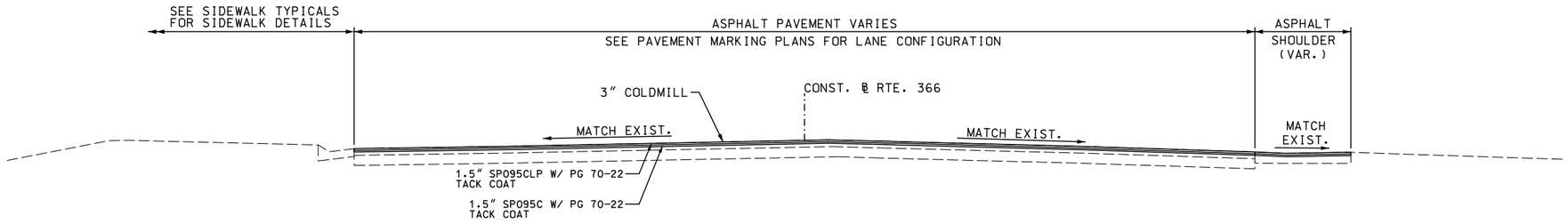
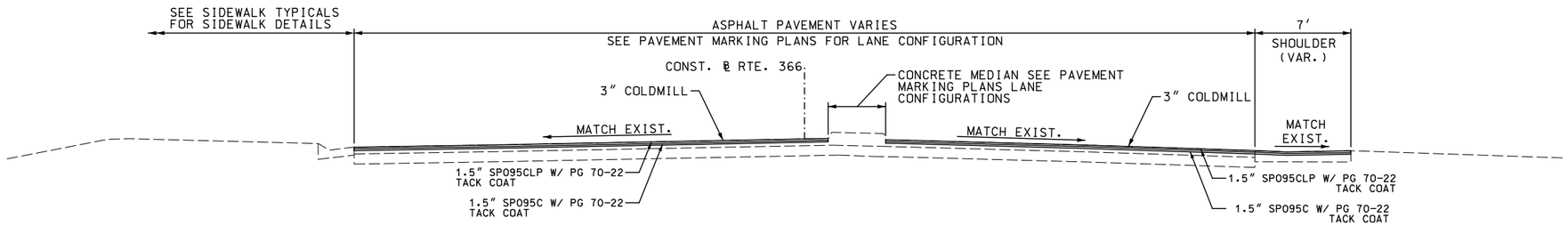


9 TYPICAL SECTION MO ROUTE 366 WATSON RD

STA. 2303+85 TO STA. 2323+41



10 TYPICAL SECTION MO ROUTE 366 WATSON RD

STA. 2323+41 TO STA. 2324+32

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/24/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	2

COUNTY
ST. LOUIS

JOB NO.
J6S3582

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PROJECT NO.

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REV.

SHEET 4 OF 10

TYPICAL SECTION

MO ROUTE 366
WATSON ROAD

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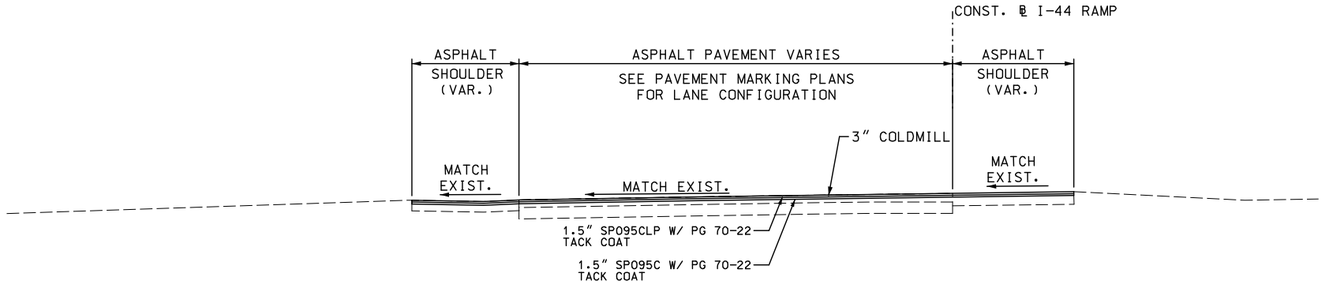
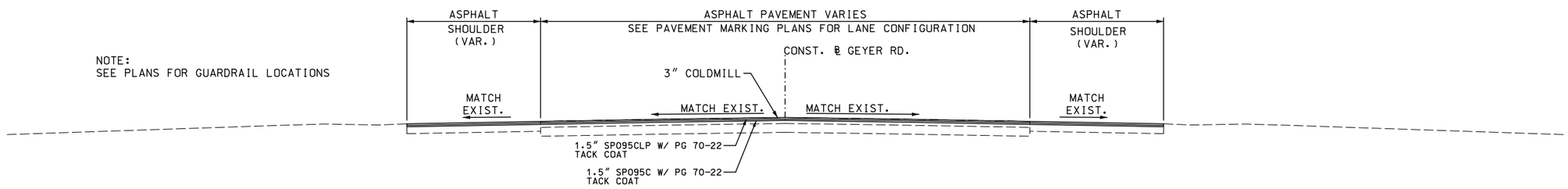


11 TYPICAL SECTION INTERSTATE 44/270 RAMP

STA 2+10 TO STA 6+94.03



12 TYPICAL SECTION GEYER ROAD

STA. 4+20 TO STA. 11+79
STA. 16+38 TO STA. 21+67

CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
STATE OF MISSOURI
07/29/2024
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DATE PREPARED
7/24/2024

MO ROUTE	STATE
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JEFFERSON CITY, MO 65102
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REV.

SHEET 5 OF 10

TYPICAL SECTION

MO ROUTE 366
WATSON ROAD

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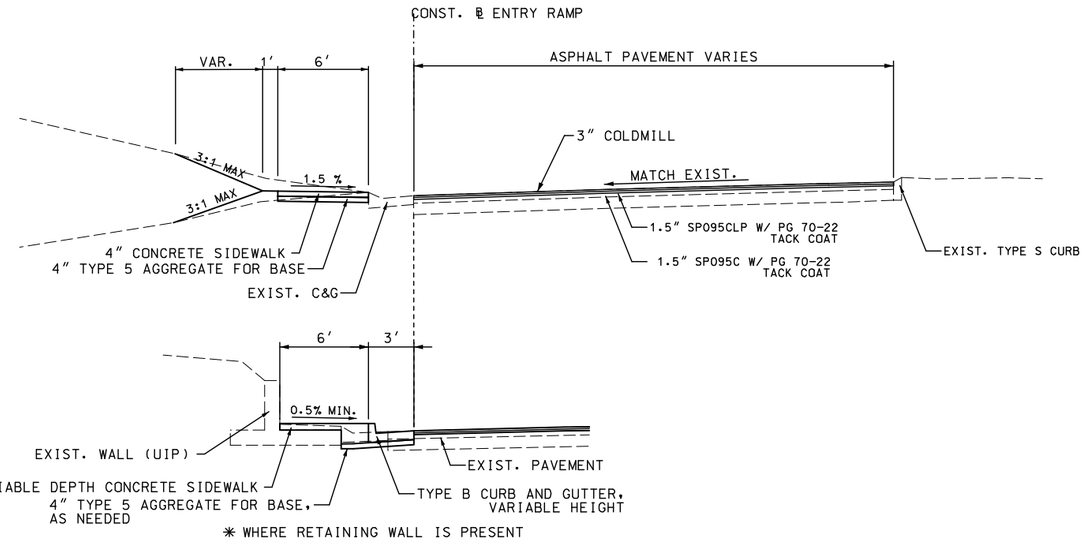
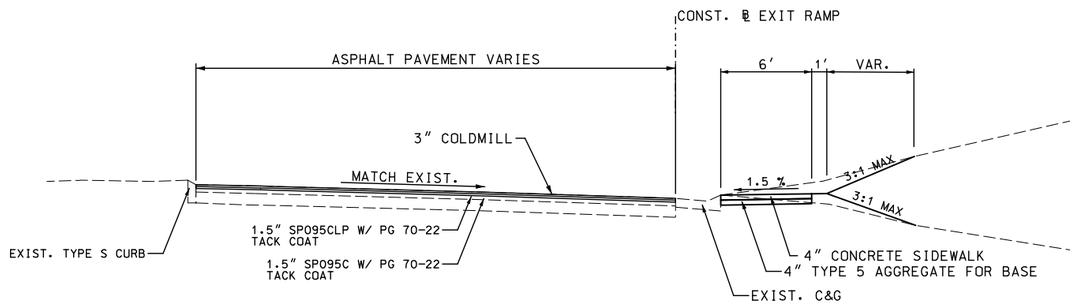


13 TYPICAL SECTION MO ROUTE 366 ENTRY RAMPS

WB STA. 503+24 TO STA. 506+06
EB STA. 801+96 TO STA. 805+05 (PAVEMENT ONLY, NO SIDEWALK)



14 TYPICAL SECTION MO ROUTE 366 EXIT RAMPS

WB STA. 700+48 TO STA. 706+48
EB STA. 603+12 TO STA. 605+00

STATE OF MISSOURI
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07/29/2024
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MO PE-2023025373

DATE PREPARED: 7/24/2024
MO ROUTE: 366
STATE: MO
DISTRICT: SL
SHEET NO.: 2
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
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REV.	DATE	DESCRIPTION

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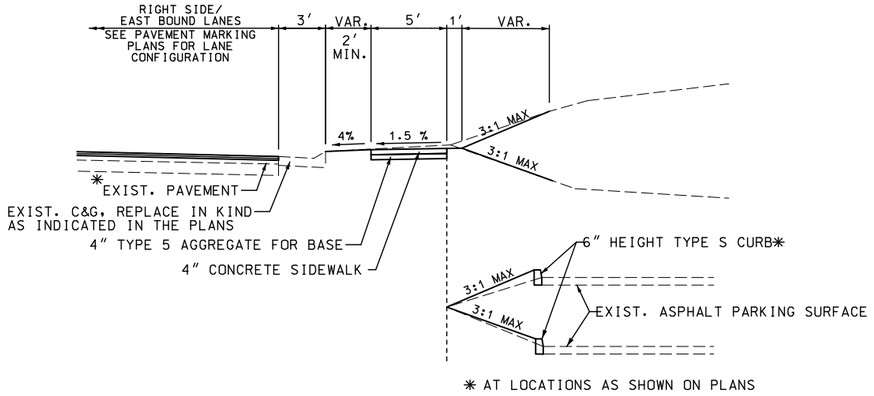
SHEET 6 OF 10
TYPICAL SECTION
MO ROUTE 366
WATSON ROAD



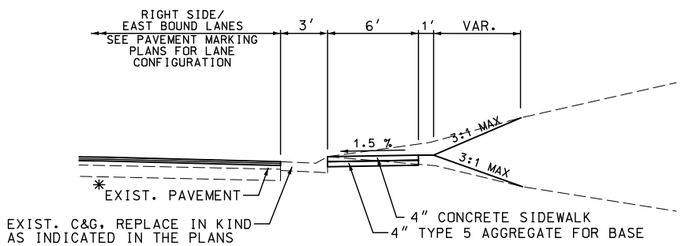
✱ AT LOCATIONS AS SHOWN ON PLANS

TYPICAL SIDEWALK SECTION
MO ROUTE 366 WATSON RD (RT)

15

STA. 2023+44 TO STA. 2027+56 (1)
STA. 2068+96 TO STA. 2071+42
STA. 2073+04 TO STA. 2085+52
STA. 2089+17 TO STA. 2093+39
STA. 2093+71 TO STA. 2093+91
STA. 2094+92 TO STA. 2095+12
STA. 2095+72 TO STA. 2095+82
STA. 2096+58 TO STA. 2097+37
STA. 2098+11 TO STA. 2099+59
STA. 2101+44 TO STA. 2104+15
STA. 2111+04 TO STA. 2116+18
STA. 2119+56 TO STA. 2124+97
STA. 2255+79 TO STA. 2261+90
STA. 2263+94 TO STA. 2267+23
STA. 2290+75 TO STA. 2291+02
STA. 2335+06 TO STA. 2335+61

(1) NO CURB FROM
STA. 2068+96 TO STA. 2027+56



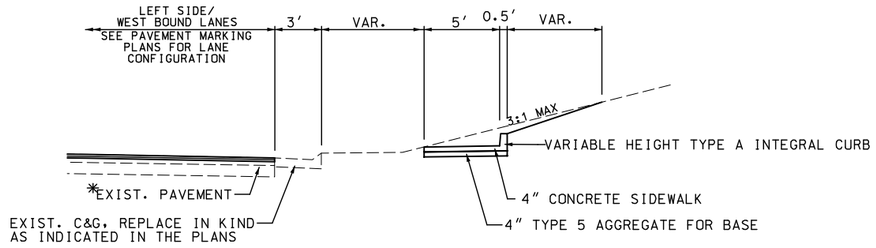
TYPICAL SIDEWALK SECTION
MO ROUTE 366 WATSON RD (RT)

16

STA. 2027+56 TO STA. 2032+93 (2)
STA. 2034+09 TO STA. 2038+71
STA. 2048+47 TO STA. 2055+72
STA. 2060+13 TO STA. 2065+30
STA. 2099+59 TO STA. 2101+44
STA. 2110+72 TO STA. 2111+04
STA. 2128+82 TO STA. 2134+53
STA. 2136+65 TO STA. 2138+11
STA. 2139+11 TO STA. 2147+85
STA. 2153+07 TO STA. 2160+29
STA. 2192+27 TO STA. 2195+76
STA. 2198+83 TO STA. 2221+80
STA. 2261+90 TO STA. 2262+20
STA. 2291+02 TO STA. 2294+03
STA. 2331+35 TO STA. 2335+06

EB EXIT RAMP
STA. 600+00 TO STA. 605+00
EB ENTRY RAMP
STA. 805+78 TO STA. 806+06

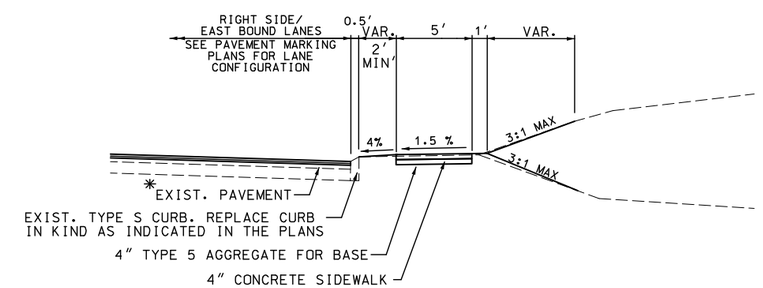
(2) 5′ SIDEWALK WITH NO CURB FROM
STA. 2027+56 TO STA. 2028+78



TYPICAL SIDEWALK SECTION
MO ROUTE 366 WATSON RD (RT)

17

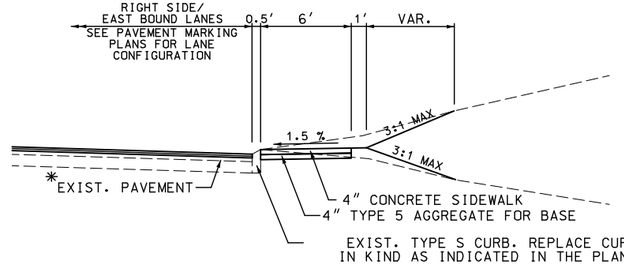
STA. 2092+45 TO STA. 2092+60
STA. 2092+98 TO STA. 2093+15



TYPICAL SIDEWALK SECTION
MO ROUTE 366 WATSON RD (RT)

18

STA. 2126+61 TO STA. 2127+00
STA. 2234+37 TO STA. 2238+37
STA. 2241+43 TO STA. 2242+83



TYPICAL SIDEWALK SECTION
MO ROUTE 366 WATSON RD (RT)

19

STA. 2127+00 TO STA. 2127+29
STA. 2134+53 TO STA. 2136+65
STA. 2184+58 TO STA. 2186+64
STA. 2239+52 TO STA. 2241+43
STA. 2329+37 TO STA. 2331+35
STA. 5+00 TO STA. 7+28
(LACLEDE STATION)

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/24/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	2

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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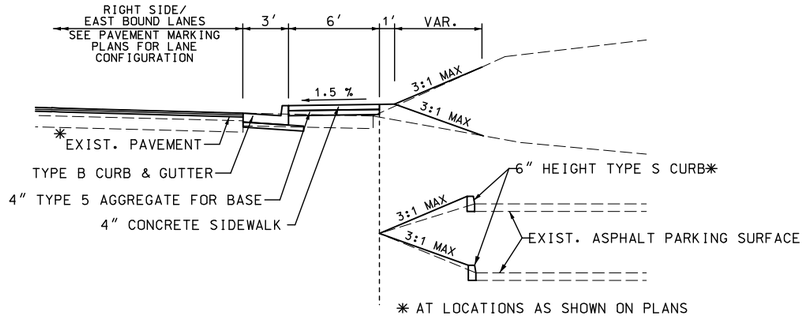
SHEET 7 OF 10

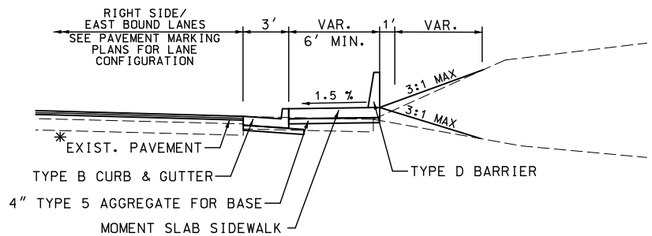
TYPICAL SECTION

MO ROUTE 366
WATSON ROAD



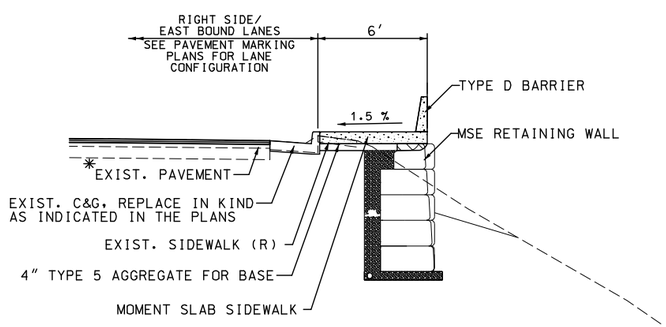
20 TYPICAL SIDEWALK SECTION MO ROUTE 366 WATSON RD (RT)

STA. 2147+85 TO STA. 2148+91
STA. 2150+05 TO STA. 2153+07
STA. 2161+57 TO STA. 2178+31
STA. 2180+30 TO STA. 2183+29
STA. 2187+20 TO STA. 2192+27
STA. 2243+51 TO STA. 2245+23
STA. 2269+32 TO STA. 2269+97



21 TYPICAL SIDEWALK SECTION MO ROUTE 366 WATSON RD (RT)

STA. 2178+31 TO STA. 2179+28
STA. 2269+97 TO STA. 2270+54



22 TYPICAL SIDEWALK SECTION MO ROUTE 366 WATSON RD (RT)

STA. 2179+28 TO STA. 2180+30

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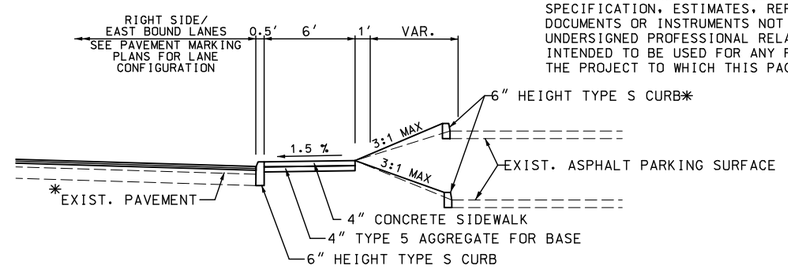
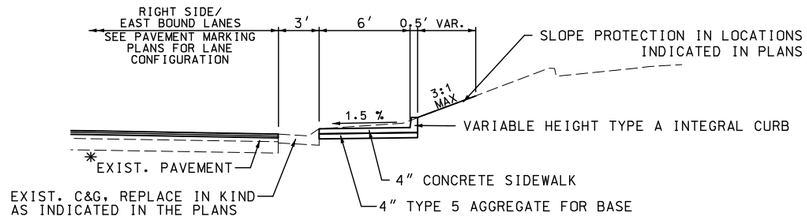


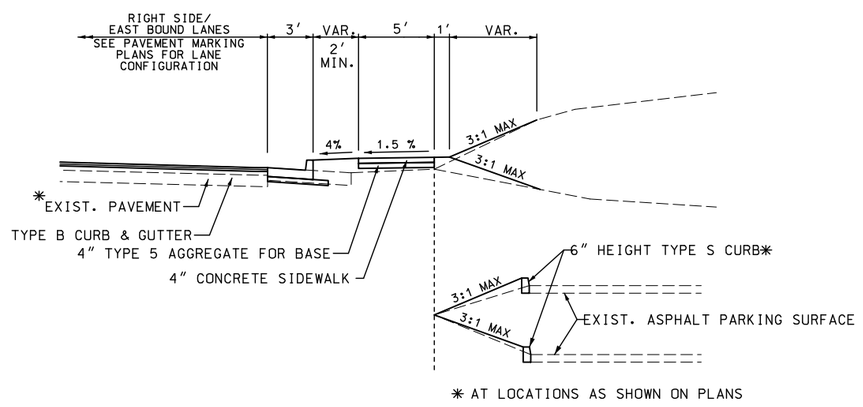
23 TYPICAL SIDEWALK SECTION MO ROUTE 366 WATSON RD (RT)

STA. 2183+59 TO STA. 2184+58
STA. 2186+64 TO STA. 2187+20



24 TYPICAL SIDEWALK SECTION MO ROUTE 366 WATSON RD (RT)

STA. 2195+76 TO STA. 2198+83
STA. 2262+20 TO STA. 2263+94



25 TYPICAL SIDEWALK SECTION MO ROUTE 366 WATSON RD (RT)

STA. 2221+80 TO STA. 2234+37
STA. 2245+23 TO STA. 2255+79
STA. 2267+23 TO STA. 2269+32
STA. 2270+54 TO STA. 2290+75

STATE OF MISSOURI
CASSANDRA MCKEE LEE
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07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED: 7/24/2024

MO ROUTE	STATE
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SL	2

COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

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REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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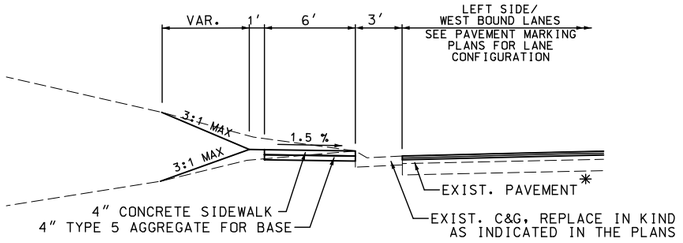
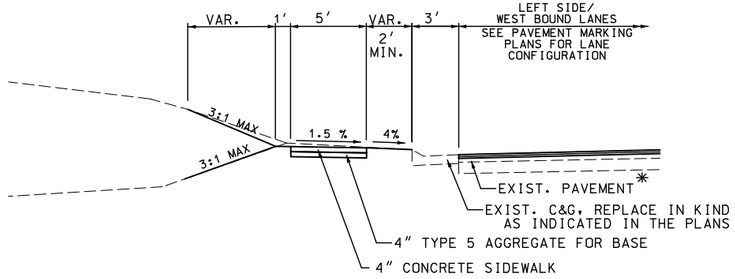
SHEET 8 OF 10
TYPICAL SECTION
MO ROUTE 366
WATSON ROAD



TYPICAL SIDEWALK SECTION
MO ROUTE 366 WATSON RD (LT)

26

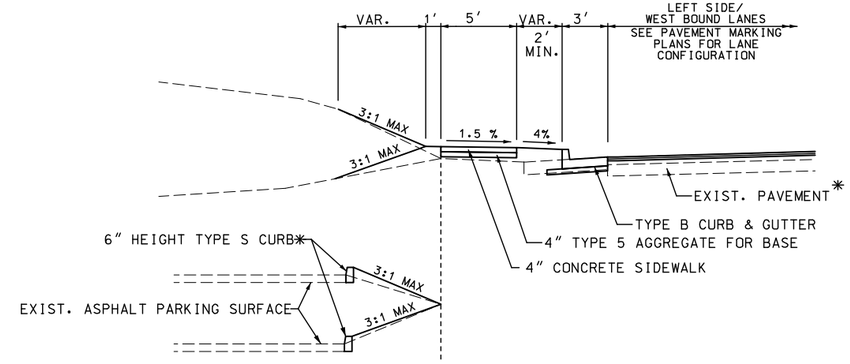
STA. 2032+68 TO STA. 2032+91
STA. 2048+68 TO STA. 2049+46
STA. 2051+35 TO STA. 2071+12
STA. 2132+72 TO STA. 2137+57
STA. 2139+66 TO STA. 2148+97
STA. 2150+11 TO STA. 2165+41
STA. 2168+39 TO STA. 2173+28
STA. 2175+02 TO STA. 2181+78
STA. 2191+29 TO STA. 2209+67
STA. 2212+00 TO STA. 2214+94
STA. 2227+52 TO STA. 2230+59
STA. 2309+45 TO STA. 2317+48
STA. 2320+00 TO STA. 2320+50
STA. 2323+00 TO STA. 2324+99
STA. 2329+78 TO STA. 2333+90



TYPICAL SIDEWALK SECTION
MO ROUTE 366 WATSON RD (LT)

27

STA. 2032+91 TO STA. 2037+81
STA. 2049+64 TO STA. 2049+83
STA. 2050+74 TO STA. 2051+35
STA. 2071+48 TO STA. 2074+11
STA. 2074+52 TO STA. 2075+07
STA. 2077+10 TO STA. 2082+06
STA. 2083+11 TO STA. 2083+97
STA. 2086+77 TO STA. 2086+92
STA. 2087+28 TO STA. 2088+06
STA. 2088+49 TO STA. 2089+47
STA. 2090+07 TO STA. 2091+11
STA. 2092+59 TO STA. 2092+84
STA. 2094+49 TO STA. 2099+47
STA. 2100+31 TO STA. 2100+44
STA. 2101+07 TO STA. 2101+12
STA. 2101+54 TO STA. 2101+59
STA. 2102+50 TO STA. 2103+04
STA. 2108+48 TO STA. 2108+62
STA. 2223+00 TO STA. 2223+74
STA. 2224+51 TO STA. 2227+52
STA. 2258+19 TO STA. 2264+23

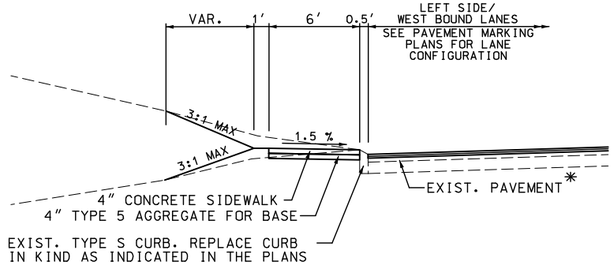


✱ AT LOCATIONS AS SHOWN ON PLANS

TYPICAL SIDEWALK SECTION
MO ROUTE 366 WATSON RD (LT)

28

STA. 2038+16 TO STA. 2040+60
STA. 2230+59 TO STA. 2231+94
STA. 2246+07 TO STA. 2258+19



TYPICAL SIDEWALK SECTION
MO ROUTE 366 WATSON RD (LT)

29

STA. 2130+46 TO STA. 2132+72
STA. 2237+71 TO STA. 2246+07
STA. 2329+50 TO STA. 2329+78
STA. 2333+90 TO STA. 2335+06

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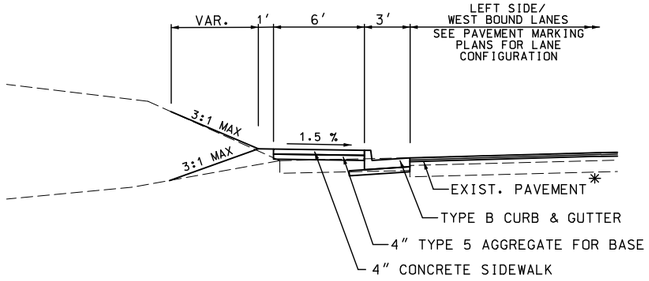
SHEET 9 OF 10

TYPICAL SECTION

MO ROUTE 366
WATSON ROAD

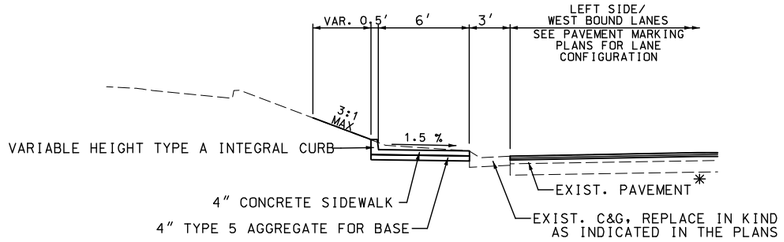


TYPICAL SIDEWALK SECTION
MO ROUTE 366 WATSON RD (LT)

30

STA. 2181+78 TO STA. 2191+29
STA. 2231+94 TO STA. 2237+71
STA. 2302+73 TO STA. 2302+73
STA. 2308+00 TO STA. 2313+49 (1)

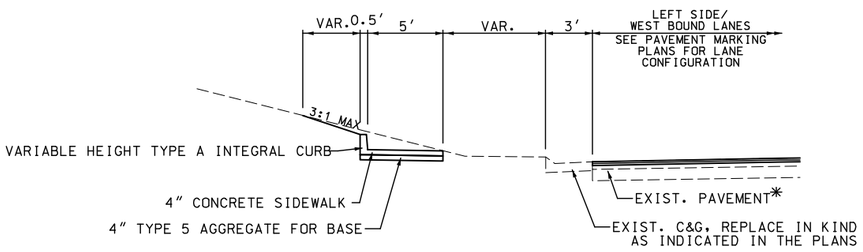
(1) 7.4' SIDEWALK AND GUARDRAIL PRESENT
STA. 2308+00 TO STA. 2309+45



TYPICAL SIDEWALK SECTION
MO ROUTE 366 WATSON RD (LT)

31

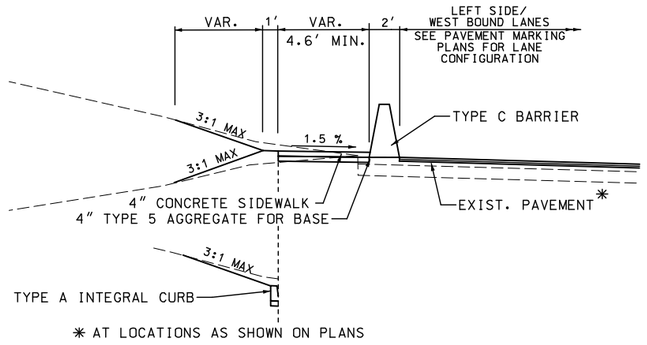
STA. 2165+41 TO STA. 2168+39
STA. 2173+28 TO STA. 2175+02
STA. 2209+67 TO STA. 2212+00
STA. 2317+48 TO STA. 2320+00
STA. 2320+50 TO STA. 2323+00
STA. 2324+99 TO STA. 2326+19



TYPICAL SIDEWALK SECTION
MO ROUTE 366 WATSON RD (LT)

32

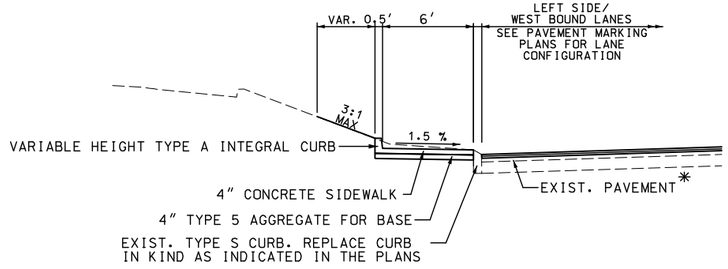
STA. 2214+94 TO STA. 2223+00
STA. 2223+74 TO STA. 2224+51



TYPICAL SIDEWALK SECTION
MO ROUTE 366 WATSON RD (LT)

33

STA. 2304+27 TO STA. 2308+00



TYPICAL SIDEWALK SECTION
MO ROUTE 366 WATSON RD (LT)

34

STA. 2327+89 TO STA. 2329+50

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SHEET 10 OF 10

TYPICAL SECTION

MO ROUTE 366
WATSON ROAD

SUMMARY OF QUANTITIES (1 OF 4)

MODOT ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL	REMARKS	QUANTIY SHEET (X OF 62)
202-20.10	REMOVAL OF IMPROVEMENTS	LS	1		4-8, 21-31
203-10.00	CLASS A EXCAVATION	CUYD	1,282		55
203-60.00	COMPACTING EMBANKMENT	CUYD	317		55
203-99.01	GROUND IMPROVEMENT	LS	1	FOR RETAINING WALL	52
206-30.00	CLASS 3 EXCAVATION	CUYD	1,623		18, 53-55
206-55.00	TEMPORARY SHORING	LS	1		52
207-99.09	LINEAR GRADING CLASS 2, MODIFIED	STA	474.6		12, 14-16, 18, 35-39, 45-49
214-20.00	FURNISHING ROCK FILL	CUYD	91		56-59
214-30.00	PLACING ROCK FILL	CUYD	91		56-59
215-99.10	SHAPING SLOPES, CLASS III - MODIFIED MATERIAL REQUIREMENT	100F	6		19, 45
304-01.83	TYPE 1 AGGREGATE FOR BASE (8 IN. THICK)	SQYD	44	FOR PARKING LOT WARPING	37-39
304-05.04	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK)	SQYD	39,272		13-16, 18, 37-49
304-05.06	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK)	SQYD	3,465		12, 35-36
401-12.09	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1)	TON	7.1	FOR PARKING LOT WARPING	37-39
403-00.03	ASPHALTIC CONCRETE MIXTURE PG 70-22 (SP095C MIX)	TON	21,144.8		12, 35-36
403-00.11	ASPHALTIC CONCRETE MIXTURE PG 70-22 (SP095CLP MIX)	TON	20,928.8		12, 35-36
407-99.12	TACK COAT - LOW-TRACKING OR NON-TRACKING	GAL	38,838		12, 35-36
502-13.10	CONCRETE PAVEMENT 10 IN. NON-REINFORCED, 15 FT JOINTS)	SQYD	1,105.6		12, 35-36
502-13.32	CONCRETE PAVEMENT 8 ½ IN. NON-REINFORCED, 15 FT JOINTS)	SQYD	1,954.6		12, 35-36
502-13.34	CONCRETE PAVEMENT 10 ½ IN. NON-REINFORCED, 15 FT JOINTS)	SQYD	205.6		12, 35-36
504-10.00	CONCRETE APPROACH PAVEMENT	SQYD	290.5		35-36
603-99.02	ADJUST TO GRADE WATER VALVE	EACH	54		9-11, 32-34
603-99.22	ADJUST TO GRADE WATER METER	EACH	5		9-11, 32-34
604-20.10	ADJUSTING MANHOLE	EACH	122		9-11, 32-34
604-20.20	ADJUSTING BASIN OR INLET	EACH	211		9-11, 32-34
604-40.13	PIPE COLLAR, TYPE C	EACH	4		55
606-10.60	MGS GUARDRAIL	LF	850		19, 45
606-10.74	MGS HEIGHT AND BLOCK TRANSITION	EACH	2		19, 45
606-10.80	MGS END ANCHOR	EACH	1		19, 45
606-30.14	TYPE A CRASHWORTHY END TERMINAL (MASH)	EACH	4		19, 45
606-30.20	TYPE C CRASHWORTHY END TERMINAL (MASH)	EACH	3		19, 45
607-10.11A	CHAIN LINK FENCE (48 IN.)	LF	113		52
608-10.12	TRUNCATED DOMES	SQFT	2,354		15-16, 18, 45-49
608-30.06	6 IN. CONCRETE MEDIAN STRIP	SQYD	1,043.3		18, 45
608-40.24	SIDEWALK HAND-RAILING WITH BALLUSTERS	LF	56		19, 52
608-50.08	PAVED APPROACH 8 IN.	SQYD	17,674.9		14, 37-39
608-60.04	CONCRETE SIDEWALK, 4 IN.	SQYD	16,157.3		15-16, 46-49
608-60.07	CONCRETE SIDEWALK, 7 IN.	SQYD	736.4		18, 45
608-99.02	ADA CURB RAMP	EACH	565		15-16, 46-49
608-99.05	PAVED APPROACH, 7 IN., HIGH EARLY STRENGTH	SQYD	312.2		37-39
608-99.05	PAVED APPROACH, 8 IN., HIGH EARLY STRENGTH	SQYD	70.8		37-39
608-99.05	MOMENT SLAB SIDEWALK	SQYD	213.0		45
609-10.10	CONCRETE CURB (6 IN. HEIGHT AND UNDER) TYPE S	LF	3,798		13-14, 37-44
609-10.41	CONCRETE GUTTER TYPE A	LF	59		13, 40-44
609-10.52	CURB AND GUTTER TYPE B	LF	10,528		13, 40-44
609-20.11	INTEGRAL CURB (6 IN. HEIGHT AND UNDER) TYPE A	LF	1,313		13, 40-44
609-20.21	INTEGRAL CURB (OVER 6 IN. HEIGHT) TYPE A	LF	987		13, 40-44
609-70.00	ROCK LINING	CUYD	5		56-59
611-30.20	FURNISHING TYPE 2 ROCK BLANKET	CUYD	803		56-59
611-30.40	PLACING TYPE 2 ROCK BLANKET	CUYD	803		56-59
611-60.10A	SLOPE PROTECTION	SQYD	238		56-59
613-10.10	FURNISHING AND PLACING CONCRETE MATERIAL FOR FULL DEPTH PAVEMENT REPAIR	SQYD	987.1		39
613-10.12	SUBGRADE COMPACTION (6 IN. DEPTH) (PAVEMENT REPAIR)	SQYD	197		39
613-10.13	TYPE 1 OR 5 AGGREGATE FOR BASE (4 IN. THICK) (PAVEMENT REPAIR)	SQYD	197		39
613-10.14	FULL DEPTH PAVEMENT REPAIR SAW CUT (FOR PERIMETER AND INTERNAL SAW CUTS)	LF	3,944		39
613-10.15	DOWEL BAR (DRILLING, FURNISHING AND INSTALLATION) FOR FULL DEPTH PAVEMENT REPAIR	EACH	1,410		39
613-10.17	DOWEL BAR (FURNISHING AND INSTALLATION WITH BASKETS) FOR FULL DEPTH PAVEMENT REPAIR	EACH	185		39
613-10.18	TIE BAR (DRILLING, FURNISHING AND INSTALLATION) FOR FULL DEPTH PAVEMENT REPAIR (TYPE L JOINTS)	EACH	321		39
614-11.20	CURVED VANE GRATE AND FRAME (2 FT. X 2 FT . OR 600MM X 600MM)	EACH	33		53-54
614-30.12	MANHOLE FRAME AND COVER, TYPE 2	EACH	22		53-54
614-99.02	CONVERT INLET TO MANHOLE	EACH	16		18, 53-54
614-99.02	CONVERT GRATE INLET TO CURB INLET	EACH	2		53-54
614-99.02	SIDEWALK TRENCH DRAIN	EACH	1		53-54

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

09/06/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
9/5/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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ENGINEERING CORPORATION - 000631

REV.

SHEET 1 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

SUMMARY OF QUANTITIES (2 OF 4)

MODOT ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL	REMARKS	QUANTIY SHEET (X OF 62)
616-99.01	LUMP SUM TEMPORARY TRAFFIC CONTROL	LS	1		62
616-10.98A	CHANGEABLE MESSAGE SIGN WITHOUT COMMUNICATION INTERFERENCE, CONTRACTOR FURNISHED, CONTRACTOR RETAINED	EACH	4		62
617-30.00	CONCRETE TRAFFIC BARRIER, TYPE C	LF	399		45
617-31.03	CONCRETE TRAFFIC BARRIER, TYPE D (MOMENT SLAB)	LF	256		45
618-10.00	MOBILIZATION	LS	1		52
619-10.00	PAVEMENT EDGE TREATMENT	LF	801		12
620-00.09	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 6 IN. WHITE	LF	219		20, 60-61
620-00.15	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24 IN. WHITE	LF	2,795		20, 60-61
620-00.21	PREFORMED THERMOPLASTIC PAVEMENT MARKING, LEFT/RIGHT ARROW	EACH	178		20, 60-61
620-00.24	PREFORMED THERMOPLASTIC PAVEMENT MARKING, STRAIGHT ARROW	EACH	2		20, 60-61
620-00.27	PREFORMED THERMOPLASTIC PAVEMENT MARKING, COMBINATION STR/LT/RT	EACH	3		20, 60-61
620-00.30	PREFORMED THERMOPLASTIC PAVEMENT MARKING, WORD (ONLY)	EACH	2		20, 60-61
620-00.36	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 30 IN WHITE MIDBLOCK	EACH	861		20, 60-61
620-00.42	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 12 IN WHITE, YIELD LINE TRIANGLES	EACH	157		20, 60-61
620-59.01A	4 IN. YELLOW HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS	LF	73,486		20, 60-61
620-59.02A	6 IN. WHITE HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS	LF	120,938		20, 60-61
620-59.03A	6 IN. YELLOW HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS	LF	3,121		20, 60-61
620-60.00C	4 IN. WHITE STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS	LF	3,110		20, 60-61
620-70.01	PAVEMENT MARKING REMOVAL	LF	5,655		60-61
620-70.02	PAVEMENT MARKING REMOVAL (SYMBOLS)	EACH	10		60-61
620-80.63	TEMPORARY PAVEMENT MARKING	EACH	43		60-61
620-80.76	4 IN TEMPORARY PAVEMENT MARKING PAINT	LF	19,073		60-61
620-99.01	TEMPORARY PAVEMENT MARKING PAINT	LS	1		61
620-99.02	18 IN. YELLOW ISLAND TUBULAR MARKER	EACH	53		20, 60-61
620-99.02	18 IN. WHITE ISLAND TUBULAR MARKER	EACH	53		20, 60-61
622-10.01	COLDMILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACING (3 IN. THICK OR LESS)	SQYD	258,233		12, 35-36
622-10.11	COLDMILLING CONCRETE PAVEMENT FOR REMOVAL OF SURFACE	SQYD	626		12, 35-36
624-01.03A	PERMANENT EROSION CONTROL GEOTEXTILE	SQYD	1,058		56-59
627-40.00	CONTRACTOR FURNISHED SURVEYING AND STAKING	LS	1		52
720-10.00	MECHANICALLY STABALIZED EARTH WALL SYSTEMS	SQFT	610		19, 52
726-10.12	12 IN. PIPE GROUP A	LF	361		18, 55
726-10.15	15 IN. PIPE GROUP A	LF	494		55
726-10.18	18 IN. PIPE GROUP A	LF	152		55
726-10.24	24 IN. PIPE GROUP A	LF	169		55
726-10.30	30 IN. PIPE GROUP A	LF	20		55
726-10.36	36 IN. PIPE GROUP A	LF	129		55
731-00.48	PRECAST CONCRETE MANHOLE - 48 IN.	FT	65		53-54
731-00.60	PRECAST CONCRETE MANHOLE - 60 IN.	FT	8		53-54
731-00.72	PRECAST CONCRETE MANHOLE - 72 IN.	FT	6		53-54
731-10.22	PRECAST CONCRETE DROP INLET 2FT X 2FT	FT	116		18, 53-54
731-99.13	SINGLE STREET INLET	FT	30		53-54
731-99.13	SPECIAL STRUCTURE	FT	24		53-54
732-06.15A	15 IN. OR ALLOWED SUBSTITUTE GROUP A FLARED END SECTION	EACH	3		55
732-06.24A	24 IN. OR ALLOWED SUBSTITUTE GROUP A FLARED END SECTION	EACH	1		55
732-06.36A	36 IN. OR ALLOWED SUBSTITUTE GROUP A FLARED END SECTION	EACH	1		55
803-10.00A	TURF TYPE TALL FESCUE SODDING	SQYD	24,259		19, 56-59
803-99.05A	LANDSCAPING RESTORATION	SQYD	52		19, 56-59
806-10.07A	CURB INLET CHECK	EACH	293		17-18, 50-52
806-10.16	SEDIMENT REMOVAL	CUYD	458		17-18, 50-52
806-10.19	SILT FENCE	LF	12,756		17-18, 50-52
806-10.50	TYPE C BERM	LF	338	FOR BRIDGE CONSTRUCTION	50-52
901-30.04	CONDUIT, 4 IN, RIGID, IN TRENCH	LF	333		20, 61
901-40.04	CONDUIT, 4 IN. RIGID, PUSHED	LF	358		20, 61
901-50.10	TRENCHING TYPE 1	LF	70		20, 61
901-61.10	PULL BOX PREFORMED CLASS 1	EACH	5		20, 61
901-61.12	PULL BOX PREFORMED CLASS 3	EACH	1		20, 61
901-71.10	CABLE, 10 AWG 1 CONDUCTOR, POLE AND BRACKET	LF	380		20, 61
901-74.07	CABLE-CONDUIT, 1 IN., 2 CONDUCTORS AND 1 BARE NEUTRAL, 8 AWG	LF	610		20, 61
901-82.30	POLE FOUNDATION (30 FT. OR 9.0 M MOUNTING HEIGHT)	EACH	5		20, 61
901-82.45	POLE FOUNDATION (45 FT. OR 13.2 M MOUNTING HEIGHT)	EACH	1		61
901-99.02	30 FT. TOP MOUNT LIGHT POLE	EACH	4		20, 61
901-99.02	45 FT. TOP MOUNT LIGHT POLE	EACH	1		61

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CASSANDRA MCKEE LEE
NUMBER PE-2023025373
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09/06/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

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SHEET 2 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

SUMMARY OF QUANTITIES (3 OF 4)

MODOT ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL	REMARKS	QUANTIY SHEET (X OF 62)
901-99.02	TOP MOUNTED LED-A LUMINAIRE	EACH	5		20, 61
901-99.02	TOP MOUNTED LED-B LUMINAIRE	EACH	1		61
902-01.11	SIGNAL HEAD, TYPE 1T	EACH	1		SEE SIGNAL D-SHEETS
902-01.13	SIGNAL HEAD, TYPE 3T	EACH	1		SEE SIGNAL D-SHEETS
902-02.13	SIGNAL HEAD, TYPE 3S	EACH	16		SEE SIGNAL D-SHEETS
902-02.14	SIGNAL HEAD, TYPE 4S	EACH	1		SEE SIGNAL D-SHEETS
902-05.13	SIGNAL HEAD, TYPE 3B	EACH	80		SEE SIGNAL D-SHEETS
902-05.14	SIGNAL HEAD, TYPE 4B	EACH	19		SEE SIGNAL D-SHEETS
902-08.33	SH-FLAT SHEET - SIGNAL SIGN	SF	664		SEE SIGNAL D-SHEETS
902-08.34	SIGNAL SIGN, MOUNTING HARDWARE	EACH	86		SEE SIGNAL D-SHEETS
902-26.51	LUMINAIRE LED-A, 120 VOLT COMPATIBLE	EACH	20		SEE SIGNAL D-SHEETS
902-27.08	POST, SIGNAL 8 FT.	EACH	42		SEE SIGNAL D-SHEETS
902-27.15	POST, SIGNAL 15 FT.	EACH	2		SEE SIGNAL D-SHEETS
902-31.20	POST, TYPE CL, 20 FT. ARM	EACH	1		SEE SIGNAL D-SHEETS
902-31.25	POST, TYPE CL, 25 FT. ARM	EACH	1		SEE SIGNAL D-SHEETS
902-31.30	POST, TYPE CL, 30 FT. ARM	EACH	3		SEE SIGNAL D-SHEETS
902-31.35	POST, TYPE CL, 35 FT. ARM	EACH	4		SEE SIGNAL D-SHEETS
902-31.45	POST, TYPE CL, 45 FT. ARM	EACH	2		SEE SIGNAL D-SHEETS
902-31.50	POST, TYPE CL, 50 FT. ARM	EACH	4		SEE SIGNAL D-SHEETS
902-32.15	POST, TYPE C, 15 FT. ARM	EACH	1		SEE SIGNAL D-SHEETS
902-32.20	POST, TYPE C, 20 FT. ARM	EACH	1		SEE SIGNAL D-SHEETS
902-32.25	POST, TYPE C, 25 FT. ARM	EACH	2		SEE SIGNAL D-SHEETS
902-32.30	POST, TYPE C, 30 FT. ARM	EACH	1		SEE SIGNAL D-SHEETS
902-32.35	POST, TYPE C, 35 FT. ARM	EACH	4		SEE SIGNAL D-SHEETS
902-32.40	POST, TYPE C, 40 FT. ARM OR 12.2 M ARM	EACH	6		SEE SIGNAL D-SHEETS
902-32.45	POST, TYPE C, 45 FT. ARM OR 13.7 M ARM	EACH	5		SEE SIGNAL D-SHEETS
902-32.50	POST, TYPE C, 50 FT. ARM	EACH	2		SEE SIGNAL D-SHEETS
902-34.30	POST, TYPE BL, LONGEST ARM 30 FT.	EACH	1		SEE SIGNAL D-SHEETS
902-34.40	POST, TYPE BL, LONGEST ARM 40 FT.	EACH	1		SEE SIGNAL D-SHEETS
902-42.83	CONTROLLER ASSEMBLY HOUSING, NEMA TS2 CONTROLLER	EACH	11		SEE SIGNAL D-SHEETS
902-53.00	CONDUIT, 3 IN., TRENCH WITH TRACER WIRE	LF	1,986		SEE SIGNAL D-SHEETS
902-73.00	CONDUIT, 3 IN., PUSHED WITH TRACER WIRE	LF	4,293		SEE SIGNAL D-SHEETS
902-81.00	CABLE, 10 AWG 1 CONDUCTOR, POLE AND BRACKET	LF	2,250		SEE SIGNAL D-SHEETS
902-82.08	CABLE, 8 AWG 1 CONDUCTOR, POWER	LF	2,240		SEE SIGNAL D-SHEETS
902-83.02	CABLE, 12 AWG 2 CONDUCTOR	LF	3,390		SEE SIGNAL D-SHEETS
902-83.08	CABLE, 16 AWG 2 CONDUCTOR	LF	14,550		SEE SIGNAL D-SHEETS
902-83.10	CABLE, 16 AWG 5 CONDUCTOR	LF	14,660		SEE SIGNAL D-SHEETS
902-83.11	CABLE, 16 AWG 7 CONDUCTOR	LF	24,650		SEE SIGNAL D-SHEETS
902-88.10	PULL BOX, PREFORMED CLASS 1	EACH	2		SEE SIGNAL D-SHEETS
902-88.11	PULL BOX, PREFORMED CLASS 2	EACH	35		SEE SIGNAL D-SHEETS
902-88.12	PULL BOX, PREFORMED CLASS 3	EACH	15		SEE SIGNAL D-SHEETS
902-91.00	BASE, CONCRETE	CY	163.8		SEE SIGNAL D-SHEETS
902-94.01	TEMPORARY TRAFFIC SIGNALS AND LIGHTING	LS	1		62
902-99.01	TRAFFIC SIGNAL MAINTENANCE & PROGRAMMING	LS	1		61
902-99.02	POT HOLING UTILITY FACILITIES	EACH	100		52
902-99.02	COUNTDOWN PEDESTRIAN SIGNAL HEAD, TYPE 1S	EACH	75		SEE SIGNAL D-SHEETS
902-99.02	AUDIBLE PEDESTRIAN PUSHBUTTON AND SIGNING WITH VERBAL WALK MESSAGE	EACH	80		SEE SIGNAL D-SHEETS
902-99.02	SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM	EACH	14		SEE SIGNAL D-SHEETS
902-99.02	PEDESTRIAN PUSH BUTTON EXTENSION	EACH	6		SEE SIGNAL D-SHEETS
902-99.02	POWERED R3-1 LED BLANK-OUT SIGN	EACH	3		SEE SIGNAL D-SHEETS
902-99.02	PEDESTRIAN PUSH BUTTON STANCHION, 4 FT.	EACH	6		SEE SIGNAL D-SHEETS
902-99.02	COMBINATION PAD MOUNTED 120V/240V POWER SUPPLY AND LIGHTING CONTROLLER WITH UPS	EACH	11		SEE SIGNAL D-SHEETS
902-99.02	NETWORK CONNECTED SIGNAL MONITOR	EACH	14		SEE SIGNAL D-SHEETS
902-99.02	INSTALL MODOT FURNISHED TRAFFIC SIGNAL CONTROLLER	EACH	14		SEE SIGNAL D-SHEETS
902-99.02	RECTANGULAR RAPID FLASHING BEACON SYSTEM	EACH	2		31
902-99.01	PAINTING NEW SAPPINGTON INTERSECTION SIGNAL EQUIPMENT	LS	1		59
902-99.01	PAINTING NB GLENWOOD SIGN MAST ARM AND POST	LS	1		59
902-99.02	POWDER COATING SIGNAL EQUIPMENT, 15 FT POST	EACH	2		59
902-99.02	POWDER COATING SIGNAL EQUIPMENT, 8 FT POST	EACH	21		59
902-99.02	POWDER COATING SIGNAL EQUIPMENT, 4 FT POST	EACH	3		59
902-99.02	POWDER COATING SIGNAL EQUIPMENT, TYPE CL POST W/ 20' MAST ARM	EACH	1		59
902-99.02	POWDER COATING SIGNAL EQUIPMENT, TYPE CL POST W/ 30' MAST ARM	EACH	1		59
902-99.02	POWDER COATING SIGNAL EQUIPMENT, TYPE CL POST W/ 35' MAST ARM	EACH	1		59

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SUMMARY OF QUANTITIES (4 OF 4)

MODOT ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL	REMARKS	QUANTIY SHEET (X OF 62)
902-99.02	POWDER COATING SIGNAL EQUIPMENT, TYPE CL POST W/ 50' MAST ARM	EACH	3		59
902-99.02	POWDER COATING SIGNAL EQUIPMENT, TYPE C POST W/ 20' MAST ARM	EACH	1		59
902-99.02	POWDER COATING SIGNAL EQUIPMENT, TYPE C POST W/ 25' MAST ARM	EACH	2		59
902-99.02	POWDER COATING SIGNAL EQUIPMENT, TYPE C POST W/ 30' MAST ARM	EACH	1		59
902-99.02	POWDER COATING SIGNAL EQUIPMENT, TYPE C POST W/ 40' MAST ARM	EACH	3		59
902-99.02	POWDER COATING SIGNAL EQUIPMENT, TYPE C POST W/ 45' MAST ARM	EACH	2		59
902-99.02	POWDER COATING SIGNAL EQUIPMENT, TYPE C POST W/ 50' MAST ARM	EACH	1		59
902-99.02	POWDER COATING SIGNAL EQUIPMENT, TYPE BL POST W/ 30' LONGEST MAST ARM	EACH	1		59
902-99.02	POWDER COATING SIGNAL EQUIPMENT, TYPE BL POST W/ 40' LONGEST MAST ARM	EACH	1		59
903-10.10	CONCRETE FOOTINGS, EMBEDDED	CUYD	1.0		SEE SIGNING D-SHEETS
903-10.20	CONCRETE FOOTINGS, BOLT DOWN	CUYD	0.3		SEE SIGNING D-SHEETS
903-12.10	STRUCTURAL STEEL POSTS	LBS	930		SEE SIGNING D-SHEETS
903-12.12	PIPE POSTS	LBS	350		SEE SIGNING D-SHEETS
903-12.41	BREAKAWAY ASSEMBLY (PERFORATED SQUARE STEEL TUBE)	EACH	16		SEE SIGNING D-SHEETS
903-12.70A	2 IN. PSST POST - 12 GA.	LF	1,113		SEE SIGNING D-SHEETS
903-12.71A	DRIVEN POST ANCHOR FOR 2 IN. PSST - 12 GA.	LF	65		SEE SIGNING D-SHEETS
903-12.74	CONCRETE POST ANCHOR FOR 2 IN. PSST – 7 GA.	EACH	38		SEE SIGNING D-SHEETS
903-12.80	2.5 IN. PSST POST - 12 GA.	LF	352		SEE SIGNING D-SHEETS
903-12.81A	DRIVEN POST ANCHOR FOR 2.5 IN. PSST - 7 GA.	LF	23		SEE SIGNING D-SHEETS
903-12.85	CONCRETE POST ANCHOR FOR 2.5 IN. PSST – 7 GA.	EACH	3		SEE SIGNING D-SHEETS
903-50.04A	SH-FLAT SHEET	SQFT	317		SEE SIGNING D-SHEETS
903-50.11A	ST-STRUCTURAL	SQFT	204		SEE SIGNING D-SHEETS
903-50.69A	SH-FLAT SHEET FLUORESCENT	SQFT	215		SEE SIGNING D-SHEETS
903-99.02	REMOVE AND RELOCATE EXISTING GROUND MOUNT SIGN	EACH	100		11, 31
910-99.01	ITS MANAGEMENT TOOL	LS	1		ITS SHEET 20 OF 45
910-99.01	REMOVAL OF EXISTING FIBER OPTIC CABLE	LS	1		ITS SHEET 20 OF 45
910-99.02	ITS PULL BOX WITH CONCRETE PAD, PREFORMED CLASS 2	EACH	3		ITS SHEET 18-19 OF 45
910-99.02	ITS PULL BOX WITH CONCRETE PAD, PREFORMED CLASS 5	EACH	4		ITS SHEET 18-19 OF 45
910-99.02	ADJUST TO GRADE MODOT PULL BOX	EACH	39		9-11, 32-34
910-99.02	WALL-MOUNTED INTERCONNECT CENTER	EACH	16		ITS SHEET 20 OF 45
910-99.02	FIBER OPTIC PIGTAIL	EACH	72		ITS SHEET 20 OF 45
910-99.02	FIBER OPTIC JUMPER	EACH	72		ITS SHEET 20 OF 45
910-99.02	FIBER OPTIC FUSION SPLICE	EACH	438		ITS SHEET 20 OF 45
910-99.02	INSTALL OR RELOCATE EXISTING COMMUNICATION EQUIPMENT	EACH	11		ITS SHEET 20 OF 45
910-99.02	INSTALL MODOT FURNISHED IP-ADDRESSABLE POWER STRIP	EACH	11		ITS SHEET 20 OF 45
910-99.02	CCTV CAMERA ASSEMBLY	EACH	3		SEE SIGNAL D-SHEETS
910-99.02	INSTALL CCTV CAMERA ASSEMBLY	EACH	3		SEE SIGNAL D-SHEETS
910-99.02	CCTV EXTENSION POLE, 20' METALLIC FINISH	EACH	4		SEE SIGNAL D-SHEETS
910-99.02	REMOVE IN-PAVEMENT WIRELESS DETECTION SYSTEM PER INTERSECTION	EACH	7		ITS SHEET 20 OF 45
910-99.02	REMOVE AND RELOCATE EXISTING CCTV CAMERA	EACH	3		SEE SIGNAL D-SHEETS
910-99.02	INSTALL CONDUIT INTO EXISTING BOX	EACH	9		ITS SHEET 20 OF 45
910-99.02	INTERCEPT CONDUIT WITH PULL BOX	EACH	1		ITS SHEET 20 OF 45
910-99.03	CCTV CAMERA CABLE	LF	1,570		SEE SIGNAL D-SHEETS
910-99.03	MODOT ITS ASSETS RELOCATION	LF	1,000		ITS SHEET 20 OF 45
910-99.03	CONDUIT REPAIR	LF	300		ITS SHEET 20 OF 45
910-99.03	CONDUIT, HDPE, TRENCH, 2"	LF	195		ITS SHEET 18-19 OF 45
910-99.03	CONDUIT, HDPE, DRILL, 2"	LF	657		ITS SHEET 18-19 OF 45
910-99.03	FIBER OPTIC CABLE, 24 STRAND, SINGLE MODE	LF	33,053		ITS SHEET 18-19 OF 45

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
09/06/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED 9/5/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	3

COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

SHEET 3 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

REMOVAL OF IMPROVEMENTS - 1 LUMP SUM (1 OF 16)

SHEET	ROADWAY	STATION (FROM)	STATION (TO)	LOCATION	LENGTH (FEET)	WIDTH (FEET)	AREA (SF)	AREA (SY)	EACH	DESCRIPTION OF REMOVAL
8	RTE 366	2014+36.41	2015+01.06	RT	122					CONCRETE CURB
8	RTE 366	2014+87.76	2015+74.94	LT	125					CONCRETE CURB
8	RTE 366	2014+91.21	2015+26.71	RT	36	VARIES	470.36	52.26		ISLAND
8	RTE 366	2014+91.11	2015+26.69	RT	36	VARIES	539.05	59.89		PAVEMENT FOR ISLAND
8	RTE 366	2015+32.32	2015+65.93	LT	34	VARIES	588.70	65.41		ISLAND
8	RTE 366	2015+30.15	2015+68.36	LT	38	VARIES	834.00	92.67		PAVEMENT FOR ISLAND
8	RTE 366	2015+73.42	2016+30.99	RT	109					CONCRETE CURB
8	RTE 366	2015+79.78		RT					1	TUBULAR MARKER
8	RTE 366	2015+78.12	2015+97.66	RT	20	VARIES	206.09	22.90		ISLAND
8	RTE 366	2015+76.54	2015+99.97	RT	23	VARIES	315.13	35.01		PAVEMENT FOR ISLAND
8	RTE 366	2016+12.72	2016+43.24	LT	31	VARIES	341.73	37.97		ISLAND
8	RTE 366	2016+12.58	2016+43.63	LT	31	VARIES	356.86	39.65		PAVEMENT FOR ISLAND
8	RTE 366	2016+27.32	2016+76.50	LT	87					CONCRETE CURB
9 - 10	S GEYER RD	06+46.65	09+99.80	RT	429					GUARDRAIL
10	S GEYER RD	9+00.00	09+50.00	LT	50					GUARDRAIL
10	S GEYER RD	9+55.00	10+05.00	RT	50					GUARDRAIL
11	S GEYER RD	16+65.00	17+15.00	LT	50					GUARDRAIL
13 - 14	RTE 366	2028+46.09	2029+64.04	RT	118	VARIES	1894.22	210.47		PAVEMENT APPROACH (INCLUDES ANY CURB)
14	RTE 366	2028+92.70	2029+25.16	RT	32	VARIES	400.05	44.45		ISLAND
14	RTE 366	2028+91.38	2029+36.34	RT	45	VARIES	417.96	46.44		PAVEMENT FOR ISLAND
14	RTE 366	2029+19.62		RT					1	TUBULAR MARKER
14 - 15	RTE 366	2029+40.35	2032+90.71	RT	350	6	1964.08	218.23		CONCRETE SIDEWALK
14	RTE 366	2030+70.30	2030+83.58	LT	13	6	56.38	6.26		CONCRETE SIDEWALK
15	RTE 366	2032+88.82	2033+19.01	RT	30					ISLAND
15	RTE 366	2032+88.86	2033+19.19	RT	30	VARIES	418.68	46.52		PAVEMENT FOR ISLAND
15	RTE 366	2033+10.41		RT					1	TUBULAR MARKER
15	RTE 366	2032+68.42	2033+03.49	LT	37	6	192.42	21.38		CONCRETE SIDEWALK
15	RTE 366	2033+49.23	2033+56.94	LT	8	VARIES	69.20	7.69		MEDIAN
15	RTE 366	2033+71.58	2034+00.58	RT	29	VARIES	485.12	53.90		ISLAND
15	RTE 366	2033+71.43	2034+00.66	RT	29	VARIES	496.03	55.11		PAVEMENT FOR ISLAND
15	RTE 366	2033+94.32		RT						TUBULAR MARKER
15	RTE 366	2033+85.34	2035+39.85	LT	957	VARIES	968.57	107.62		SIDEWALK
15	RTE 366	2034+10.46	2042+26.47	RT	181	VARIES	5376.35	597.37		SIDEWALK
15	RTE 366	2035+30.74	2035+93.73	LT	63	VARIES	960.46	106.72		PAVED APPROACH (INCLUDES ANY CURB)
15	RTE 366	2037+39.10		LT					1	TREE
15	RTE 366	2037+39.68		LT					1	TREE
15	RTE 366	2037+41.34		LT					1	TREE
15	RTE 366	2037+43.08		LT					1	TREE
15	RTE 366	2037+45.74		LT					1	TREE
15	RTE 366	2037+47.92		LT					1	TREE
16	RTE 366	2037+50.54		LT					1	TREE
16	RTE 366	2037+53.23		LT					1	TREE
16	RTE 366	2037+56.54		LT					1	TREE
16	RTE 366	2037+59.89		LT					1	TREE
16	RTE 366	2037+57.28		LT					1	TREE
16	RTE 366	2037+60.44		LT					1	TREE
16	RTE 366	2037+62.67		LT					1	TREE
16	RTE 366	2037+56.30	2038+29.98	LT	74	VARIES	1339.09	148.79		PAVED APPROACH (INCLUDES ANY CURB)
16 - 20	RTE 366	2038+29.99	2042+73.30	LT	242					CONCRETE CURB
16 - 20	RTE 366	2038+15.80	2042+72.51	LT	548	VARIES	4241.18	471.24		CONCRETE SIDEWALK
16	RTE 366	2038+97.17	2040+99.60		202	VARIES	2085.03	231.67		MEDIAN
16	RTE 366	2039+42.23		LT					1	GRATED INLET
16	RTE 366	2039+99.78	2041+29.47	RT	130	VARIES	3329.36	369.93		PAVEMENT FOR ISLAND
16	RTE 366	2040+00.21	2041+28.97	RT	129	VARIES	3329.36	369.93		ISLAND
16	RTE 366	2040+14.63	2041+03.05	LT	88	VARIES	1204.04	133.78		PAVEMENT FOR ISLAND
16	RTE 366	2040+14.63	2041+03.05	LT	88	VARIES	1218.01	135.33		ISLAND
16	RTE 366	2040+54.47	2040+76.64	RT	26					CONCRETE CURB
16 - 17	RTE 366 WB ON RAMP	503+29.17	506+17.24	RT	300					CONCRETE CURB
16	RTE 366 WB ON RAMP	505+07.46	505+67.35	LT	85					CONCRETE CURB
18 - 19	RTE 366	2044+06.37	2048+30.96	LT	597	VARIES	2933.76	325.97		CONCRETE SIDEWALK
19	RTE 366	2045+75.76	2046+04.25	RT	25	VARIES	235.77	26.20		CONCRETE SIDEWALK
19	RTE 366	2045+88.88	2046+26.52	LT	38	VARIES	414.66	46.07		ISLAND
19	RTE 366	2045+88.88	2046+28.95	LT	40	VARIES	606.03	67.34		PAVEMENT FOR ISLAND
19	RTE 366	2045+88.83	2047+76.79		188	VARIES	1765.76	196.20		MEDIAN
19	RTE 366	2045+91.88	2046+15.29	LT	20					CONCRETE CURB
20	RTE 366	2048+18.35	2048+74.33	LT	56	VARIES	912.74	101.42		PAVED APPROACH (INCLUDES ANY CURB)
20	RTE 366	2048+47.38	2048+78.36	RT	35	5	168.64	18.74		CONCRETE SIDEWALK
20	RTE 366	2048+66.88	2049+41.96	LT	81	5	375.26	41.70		CONCRETE SIDEWALK
20	RTE 366	2048+70.48	2049+42.93	RT	72	VARIES	1034.19	114.91		PAVED APPROACH (INCLUDES ANY CURB)
20	RTE 366	2048+98.29	2049+71.39	LT	73	VARIES	850.52	94.50		PAVED APPROACH (INCLUDES ANY CURB)
20	RTE 366	2049+32.69	2049+52.98	RT	16	5	87.34	9.70		CONCRETE SIDEWALK
20	RTE 366	2049+62.61	2049+95.73	LT	34	5	165.03	18.34		CONCRETE SIDEWALK

DISCLAIMER

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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

07/27/2024 8:57:23 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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DESCRIPTION	DATE	REV.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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16305 Swingley Ridge Dr., Ste 300
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GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

QUANTITIES

ROUTE 366
WATSON ROAD

REMOVAL OF IMPROVEMENTS - 1 LUMP SUM (2 OF 16)

SHEET	ROADWAY	STATION (FROM)	STATION (TO)	LOCATION	LENGTH (FEET)	WIDTH (FEET)	AREA (SF)	AREA (SY)	EACH	DESCRIPTION OF REMOVAL
20	RTE 366	2049+85.10	2050+83.99	RT	108	VARIES	497.18	55.24		CONCRETE SIDEWALK
20	RTE 366	2050+53.29	2050+85.57	LT	31	5	164.64	18.29		CONCRETE SIDEWALK
20	RTE 366	2051+17.06	2051+69.52	LT	70	VARIES	388.29	43.14		CONCRETE SIDEWALK
20	RTE 366	2051+62.03	2052+20.99	LT	59	VARIES	792.59	88.07		PAVED APPROACH (INCLUDES ANY CURB)
20	RTE 366	2052+20.99	2052+55.26	LT	34					CONCRETE CURB
20	RTE 366	2051+82.04	2052+82.19	RT	109	VARIES	501.21	55.69		CONCRETE SIDEWALK
20	RTE 366	2052+11.55	2052+60.25	LT	54	VARIES	257.30	28.59		CONCRETE SIDEWALK
20 - 21	RTE 366	2052+55.27	2053+00.87	LT	46	VARIES	872.47	96.94		PAVED APPROACH (INCLUDES ANY CURB)
20 - 21	RTE 366	2052+90.41	2053+30.68	LT	48	6	218.56	24.28		CONCRETE SIDEWALK
21	RTE 366	2053+00.89	2053+19.91	LT	19					CONCRETE CURB
21	RTE 366	2053+19.92	2053+75.07	LT	55	VARIES	769.67	85.52		PAVED APPROACH (INCLUDES ANY CURB)
21	RTE 366	2053+14.93	2053+43.15	RT	35	6	146.86	16.32		CONCRETE SIDEWALK
21	RTE 366	2053+33.64	2054+02.42	RT	69	VARIES	765.56	85.06		PAVED APPROACH (INCLUDES ANY CURB)
21	RTE 366	2053+60.06	2053+86.04	LT	33	6	133.24	14.80		CONCRETE SIDEWALK
21	RTE 366	2053+75.07	2054+28.43	LT	53	VARIES	666.17	74.02		PAVED APPROACH (INCLUDES ANY CURB)
21	RTE 366	2053+93.33	2054+41.90	RT	57	VARIES	262.34	29.15		CONCRETE SIDEWALK
21	RTE 366	2054+02.41	2054+32.42	RT	30					CONCRETE CURB
21	RTE 366	2054+16.12	2055+00.59	LT	91	VARIES	421.93	46.88		CONCRETE SIDEWALK
21	RTE 366	2054+32.43	2054+95.16	RT	63	VARIES	839.15	93.24		PAVED APPROACH (INCLUDES ANY CURB)
21	RTE 366	2054+95.16	2055+61.74	RT	67	VARIES	839.15	93.24		PAVED APPROACH (INCLUDES ANY CURB)
21	RTE 366	2054+90.64	2055+58.04	LT	67	VARIES	899.17	99.91		PAVED APPROACH (INCLUDES ANY CURB)
21	RTE 366	2055+45.36	2056+70.43	LT	132	VARIES	617.05	68.56		CONCRETE SIDEWALK
21	RTE 366	2055+51.54	2055+66.73	RT	19	VARIES	76.35	8.48		CONCRETE SIDEWALK
21	RTE 366	2056+61.33	2057+34.99	LT	74	VARIES	906.27	100.70		PAVED APPROACH (INCLUDES ANY CURB)
21	RTE 366	2057+10.57	2057+44.92	LT	34	6	175.70	19.52		CONCRETE SIDEWALK
21	RTE 366	2057+34.89	2057+81.35	LT	46	VARIES	628.92	69.88		PAVED APPROACH (INCLUDES ANY CURB)
21	RTE 366	2057+58.86	2057+75.62	LT	17					CONCRETE CURB
21 - 22	RTE 366	2057+75.50	2058+46.52	LT	77	VARIES	344.88	38.32		CONCRETE SIDEWALK
21	RTE 366	2057+77.36		LT					1	TREE
22	RTE 366	2058+39.19	2058+88.02	LT	49	VARIES	630.52	70.06		PAVED APPROACH (INCLUDES ANY CURB)
22	RTE 366	2058+76.57	2059+60.31	LT	93	VARIES	407.70	45.30		CONCRETE SIDEWALK
22	RTE 366	2058+93.62	2059+72.81	RT	79					CONCRETE CURB
22	RTE 366	2059+51.59	2059+95.69	LT	44	VARIES	764.49	84.94		PAVED APPROACH (INCLUDES ANY CURB)
22	RTE 366	2059+89.85	2060+15.14	LT	32	VARIES	133.54	14.84		CONCRETE SIDEWALK
22	RTE 366	2060+13.42	2060+66.42	RT	60	VARIES	283.72	31.52		CONCRETE SIDEWALK
22	RTE 366	2060+47.65	2061+22.81	LT	81	VARIES	405.07	45.01		CONCRETE SIDEWALK
22	RTE 366	2060+57.95	2061+03.40	RT	45	VARIES	544.93	60.55		PAVED APPROACH (INCLUDES ANY CURB)
22	RTE 366	2060+95.79	2062+75.50	RT	199	VARIES	885.88	98.43		CONCRETE SIDEWALK
22	RTE 366	2061+03.38	2062+67.22	RT	164					CONCRETE CURB
22	RTE 366	2061+10.62	2061+66.22	LT	56	VARIES	787.65	87.52		PAVED APPROACH (INCLUDES ANY CURB)
22	RTE 366	2061+66.22	2062+37.64	LT	71	VARIES	787.65	87.52		PAVED APPROACH (INCLUDES ANY CURB)
22	RTE 366	2061+51.57	2061+77.85	LT	33	6	130.65	14.52		CONCRETE SIDEWALK
22 - 23	RTE 366	2062+24.99	2064+33.32	LT	214	VARIES	1001.00	111.22		CONCRETE SIDEWALK
22	RTE 366	2062+67.23	2063+15.23	RT	48	VARIES	462.58	51.40		PAVED APPROACH (INCLUDES ANY CURB)
22 - 23	RTE 366	2063+05.89	2063+96.21	RT	98	VARIES	466.15	51.79		CONCRETE SIDEWALK
22	RTE 366	2063+15.24	2063+87.97	RT	73					CONCRETE CURB
23	RTE 366	2063+87.87	2064+36.35	RT	48	VARIES	727.05	80.78		PAVED APPROACH (INCLUDES ANY CURB)
23	RTE 366	2064+27.74	2064+66.58	RT	42	VARIES	206.84	22.98		CONCRETE SIDEWALK
23	RTE 366	2064+36.32	2064+55.76	RT	19					CONCRETE CURB
23	RTE 366	2064+55.76	2065+15.38	RT	60	VARIES	808.52	89.84		PAVED APPROACH (INCLUDES ANY CURB)
23	RTE 366	2064+77.45	2065+46.62	LT	76	VARIES	343.10	38.12		CONCRETE SIDEWALK
23	RTE 366	2064+92.16	2065+36.04	LT	44					CONCRETE CURB
23	RTE 366	2065+06.01	2065+31.02	RT	30	6	117.20	13.02		CONCRETE SIDEWALK
23	RTE 366	2065+15.47	2065+23.98	RT	9					CONCRETE CURB
23	RTE 366	2065+36.04	2065+89.58	LT	54	VARIES	656.25	72.92		PAVED APPROACH (INCLUDES ANY CURB)
23	RTE 366	2065+89.58	2066+29.27	LT	40	VARIES	656.25	72.92		PAVED APPROACH (INCLUDES ANY CURB)
23	RTE 366	2065+76.53	2066+01.31	LT	50	VARIES	136.30	15.14		CONCRETE SIDEWALK
23	RTE 366	2066+51.50	2067+06.49	LT	55	VARIES	859.24	95.47		PAVED APPROACH (INCLUDES ANY CURB)
23	RTE 366	2066+18.77	2066+62.35	LT	86	VARIES	229.77	25.53		CONCRETE SIDEWALK
23	RTE 366	2066+95.40	2067+72.92	LT	86	VARIES	388.57	43.17		CONCRETE SIDEWALK
23	RTE 366	2068+02.09	2068+61.28	LT	67	VARIES	310.31	34.48		CONCRETE SIDEWALK
23 - 24	RTE 366	2068+90.32	2069+20.88	LT	39	VARIES	155.47	17.27		CONCRETE SIDEWALK
24	RTE 366	2069+00.94	2069+06.17	RT	5	6	32.17	3.57		CONCRETE SIDEWALK
24	RTE 366	2069+09.87	2069+60.37	LT	51	VARIES	885.04	98.34		PAVED APPROACH (INCLUDES ANY CURB)
24	RTE 366	2069+38.95	2070+90.16	RT	151	VARIES	761.03	84.56		CONCRETE SIDEWALK
24	RTE 366	2069+49.58	2071+11.19	LT	162	5	792.36	88.04		CONCRETE SIDEWALK
24	RTE 366	2069+90.00	2070+74.18	RT	84					CONCRETE CURB
24	RTE 366	2070+74.18	2071+46.71	RT	73	VARIES	948.50	105.39		PAVED APPROACH (INCLUDES ANY CURB)
24	RTE 366	2071+01.52	2071+15.16	LT	27					CONCRETE CURB
24	RTE 366	2071+32.00	2071+41.75	LT	12	VARIES	58.91	6.55		CONCRETE SIDEWALK
24	RTE 366	2071+44.67	2071+84.44	LT	52					CONCRETE CURB
24	RTE 366	2071+44.93	2071+87.82	LT	44	VARIES	238.13	26.46		CONCRETE SIDEWALK
24	RTE 366	2071+84.44	2072+52.37	LT	68	VARIES	1527.11	169.68		PAVED APPROACH (INCLUDES ANY CURB)

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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
07/27/2024 8:58:08 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3582

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BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

QUANTITIES

ROUTE 366
WATSON ROAD

c:*bms*gba-pw-01*brian kierath*dms04525*003_QU_05_J6S3582_ROI_2.dgn 7/26/2024

REMOVAL OF IMPROVEMENTS - 1 LUMP SUM (3 OF 16)

SHEET	ROADWAY	STATION (FROM)	STATION (TO)	LOCATION	LENGTH (FEET)	WIDTH (FEET)	AREA (SF)	AREA (SY)	EACH	DESCRIPTION OF REMOVAL
24	RTE 366	2072+45.48	2073+11.15	LT	67	VARIES	332.87	36.99		CONCRETE SIDEWALK
24	RTE 366	2072+52.37	2073+00.61	LT	48					CONCRETE CURB
24	RTE 366	2073+00.61	2073+55.90	LT	55	VARIES	1062.55	118.06		PAVED APPROACH (INCLUDES ANY CURB)
24	RTE 366	2073+55.90	2074+08.30	LT	52	VARIES	1062.55	118.06		PAVED APPROACH (INCLUDES ANY CURB)
24	RTE 366	2073+03.50	2073+20.10	RT	36	5	80.29	8.92		CONCRETE SIDEWALK
24	RTE 366	2073+43.97	2073+67.12	LT	16	VARIES	123.64	13.74		CONCRETE SIDEWALK
24	RTE 366	2073+60.43	2073+96.32	RT	36	5	182.20	20.24		CONCRETE SIDEWALK
24	RTE 366	2073+93.92	2074+10.69	LT	15	5	86.99	9.67		CONCRETE SIDEWALK
24	RTE 366	2074+08.30	2074+47.39	LT	39					CONCRETE CURB
24 - 25	RTE 366	2074+47.39	2075+08.48	LT	61	VARIES	1583.96	176.00		PAVED APPROACH (INCLUDES ANY CURB)
24 - 25	RTE 366	2074+48.66	2075+03.67	RT	55	5	269.90	29.99		CONCRETE SIDEWALK
25	RTE 366	2074+56.82	2074+64.55	LT	21	VARIES	43.06	4.78		CONCRETE SIDEWALK
25	RTE 366	2074+91.48	2075+41.39	RT	50	VARIES	904.13	100.46		PAVED APPROACH (INCLUDES ANY CURB)
25	RTE 366	2074+92.56	2075+02.04	LT	10	VARIES	50.87	5.65		CONCRETE SIDEWALK
25	RTE 366	2075+35.77	2077+17.79	RT	200	VARIES	1006.07	111.79		CONCRETE SIDEWALK
25	RTE 366	2076+97.62	2077+26.24	RT	33					CONCRETE CURB
25	RTE 366	2077+17.76	2077+21.49	RT	4	VARIES	28.38	3.15		CONCRETE SIDEWALK
25	RTE 366	2077+07.88	2077+61.59	LT	54	VARIES	737.03	81.89		PAVED APPROACH (INCLUDES ANY CURB)
25	RTE 366	2077+10.35	2077+20.90	LT	11	VARIES	54.25	6.03		CONCRETE SIDEWALK
25	RTE 366	2077+64.34	2077+94.90	RT	41					CONCRETE CURB
25	RTE 366	2077+55.90	2079+91.77	LT	274	5	1278.79	142.09		CONCRETE SIDEWALK
25	RTE 366	2077+63.60	2079+73.57	RT	238	VARIES	1111.96	123.55		CONCRETE SIDEWALK
25	RTE 366	2078+58.53		LT						BALLARD
26	RTE 366	2079+60.75	2080+15.46	RT	55	VARIES	719.94	79.99		PAVED APPROACH (INCLUDES ANY CURB)
26	RTE 366	2079+79.10	2080+64.22	LT	85	VARIES	1506.94	167.44		PAVED APPROACH (INCLUDES ANY CURB)
26	RTE 366	2080+00.64	2081+47.07	RT	169	5	679.61	75.51		CONCRETE SIDEWALK AND BUS STOP
26	RTE 366	2080+49.35	2080+84.76	LT	32	5	177.41	19.71		CONCRETE SIDEWALK
26	RTE 366	2080+64.22	2081+31.05	LT	67	VARIES	864.35	96.04		PAVED APPROACH (INCLUDES ANY CURB)
26	RTE 366	2081+15.98	2081+64.64	LT	47	5	312.10	34.68		CONCRETE SIDEWALK
26	RTE 366	2081+31.31	2082+02.48	RT	71	VARIES	954.96	106.11		PAVED APPROACH (INCLUDES ANY CURB)
26	RTE 366	2081+49.54	2082+05.76	LT	56	VARIES	788.05	87.56		PAVED APPROACH (INCLUDES ANY CURB)
26	RTE 366	2081+85.89	2083+88.24	RT	202	4	790.57	87.84		CONCRETE SIDEWALK
26	RTE 366	2081+95.71	2082+05.76	LT	10	5	56.75	6.31		CONCRETE SIDEWALK
26	RTE 366	2083+10.63	2083+96.44	LT	86	VARIES	1383.97	153.77		PAVED APPROACH (INCLUDES ANY CURB)
26	RTE 366	2083+10.63	2083+33.02	LT	27	VARIES	120.67	13.41		CONCRETE SIDEWALK
26	RTE 366	2083+71.63	2083+96.67	LT	24	5	130.40	14.49		CONCRETE SIDEWALK
26	RTE 366	2083+72.80	2084+39.64	RT	67	VARIES	894.45	99.38		PAVED APPROACH (INCLUDES ANY CURB)
26 - 27	RTE 366	2084+24.21	2085+52.00	RT	129	VARIES	540.20	60.02		CONCRETE SIDEWALK
27	RTE 366	2086+76.98	2086+91.98	LT	15	5	79.07	8.79		CONCRETE SIDEWALK
27	RTE 366	2087+27.99	2088+06.07	LT	78	VARIES	1056.59	117.40		PAVED APPROACH (INCLUDES ANY CURB)
27	RTE 366	2087+28.00	2087+52.60	LT	21	VARIES	133.13	14.79		CONCRETE SIDEWALK
27	RTE 366	2087+84.10	2088+06.08	LT	19	VARIES	119.83	13.31		CONCRETE SIDEWALK
27	RTE 366	2088+21.63	2088+26.95	LT	5	12	60.67	6.74		BUS PAD STOP
27	RTE 366	2088+49.22	2089+04.45	LT	56	VARIES	288.68	32.08		CONCRETE SIDEWALK
27	RTE 366	2088+88.79	2089+46.60	LT	58	VARIES	1264.59	140.51		PAVED APPROACH (INCLUDES ANY CURB)
27	RTE 366	2089+16.73	2089+58.46	RT	43	5	212.98	23.66		CONCRETE SIDEWALK
27	RTE 366	2089+34.07	2089+46.72	LT	14	VARIES	65.46	7.27		CONCRETE SIDEWALK
27 - 28	RTE 366	2089+59.08	2090+61.84	RT	103	5	521.85	57.98		CONCRETE SIDEWALK
28	RTE 366	2090+07.06	2090+45.33	LT	38	VARIES	196.10	21.79		CONCRETE SIDEWALK
28	RTE 366	2090+07.89		LT					1	TREE
28	RTE 366	2090+22.61		LT					1	TREE
28	RTE 366	2090+30.97		LT					1	TREE
28	RTE 366	2090+29.75	2090+91.04	LT	61	VARIES	1199.78	133.31		PAVED APPROACH (INCLUDES ANY CURB)
28	RTE 366	2090+30.97		LT					1	TREE
28	RTE 366	2090+46.62	2091+15.00	RT	68	VARIES	947.69	105.30		PAVED APPROACH (INCLUDES ANY CURB)
28	RTE 366	2091+15.00	2091+86.61	RT	72	VARIES	947.69			PAVED APPROACH (INCLUDES ANY CURB)
28	RTE 366	2090+74.51	2091+10.76	LT	37	VARIES	186.79	20.75		CONCRETE SIDEWALK
28	RTE 366	2090+92.65	2091+17.17	RT	25	VARIES	118.58	13.18		CONCRETE SIDEWALK
28	RTE 366	2091+70.57	2092+62.95	RT	105	VARIES	506.67	56.30		CONCRETE SIDEWALK
28	RTE 366	2092+52.33	2093+05.96	RT	54	VARIES	970.45	107.83		PAVED APPROACH (INCLUDES ANY CURB)
28	RTE 366	2093+05.96	2093+43.84	RT	38	VARIES	970.45	107.83		PAVED APPROACH (INCLUDES ANY CURB)
28	RTE 366	2092+59.27	2092+84.27	LT	5	25	124.82	13.87		CONCRETE SIDEWALK
28	RTE 366	2092+96.35	2093+18.23	RT	22	VARIES	131.80	14.64		CONCRETE SIDEWALK
28	RTE 366	2093+28.81	2093+33.77	RT	5	6	28.31	3.15		CONCRETE SIDEWALK
28	RTE 366	2093+71.31	2093+91.24	RT	20	VARIES	101.13	11.24		CONCRETE SIDEWALK
28 - 29	RTE 366	2094+49.13	2095+08.32	LT	65	VARIES	289.28	32.14		CONCRETE SIDEWALK
29	RTE 366	2094+79.25	2095+23.90	LT	45	VARIES	627.52	69.72		PAVED APPROACH (INCLUDES ANY CURB)
29	RTE 366	2095+23.90	2095+80.39	LT	56	VARIES	627.52	69.72		PAVED APPROACH (INCLUDES ANY CURB)
29	RTE 366	2094+92.64	2095+11.61	RT	19	5	100.61	11.18		CONCRETE SIDEWALK
29	RTE 366	2094+93.66	2095+08.66	LT	20					CONCRETE CURB
29	RTE 366	2095+24.50	2095+39.26	LT	18	5	62.92	6.99		CONCRETE SIDEWALK
29	RTE 366	2095+27.59	2095+39.24	LT	46					CONCRETE CURB

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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
07/27/2024 8:58:14 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SHEET 6 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

REV.

c:*bms*gba-pw-01*brian kierath*dms04525*003_QU_06_J6S3582_ROI_3.dgn 7/26/2024

REMOVAL OF IMPROVEMENTS - 1 LUMP SUM (4 OF 16)

SHEET	ROADWAY	STATION (FROM)	STATION (TO)	LOCATION	LENGTH (FEET)	WIDTH (FEET)	AREA (SF)	AREA (SY)	EACH	DESCRIPTION OF REMOVAL
29	RTE 366	2095+55.60	2098+34.00	LT	280	VARIES	1241.64	137.96		CONCRETE SIDEWALK
29	RTE 366	2095+55.80	2095+56.19	LT	3					CONCRETE CURB
29	RTE 366	2095+72.45	2095+82.45	RT	10	5	47.50	5.28		CONCRETE SIDEWALK
29	RTE 366	2095+98.03	2096+55.45	RT	57	VARIES	690.70	76.74		PAVED APPROACH (INCLUDES ANY CURB)
29	RTE 366	2096+55.45	2097+10.20	RT	55	VARIES	690.70	76.74		PAVED APPROACH (INCLUDES ANY CURB)
29	RTE 366	2096+41.97	2098+36.05	LT	204					CONCRETE CURB
29	RTE 366	2096+63.85	2096+70.49	RT	5	5	29.73	3.30		CONCRETE SIDEWALK
29	RTE 366	2096+96.04	2097+37.47	RT	41	5	204.81	22.76		CONCRETE SIDEWALK
29	RTE 366	2097+78.55	2098+57.45	RT	93					CONCRETE CURB
29	RTE 366	2098+10.61	2098+65.99	RT	84	VARIES	365.66	40.63		CONCRETE SIDEWALK
29	RTE 366	2098+18.84	2098+27.05	LT	8	8	66.66	7.41		MEDIAN
29	RTE 366	2098+69.58	2098+81.99	RT	7	13	84.55	9.39		CONCRETE SIDEWALK
29	RTE 366	2098+76.80	2098+87.92	RT	42	VARIES	393.22	43.69		PAVEMENT FOR ISLAND
29	RTE 366	2098+77.31	2089+87.30	RT	42	VARIES	344.41	38.27		ISLAND
29	RTE 366	2099+17.77	2099+46.39	LT	25	VARIES	122.03	13.56		CONCRETE SIDEWALK
29	RTE 366	2099+18.58	2099+59.09	RT	85					CONCRETE CURB
29	RTE 366	2099+21.45	2099+71.22	RT	93	VARIES	384.43	42.71		CONCRETE SIDEWALK
29 - 30	RTE 366	2099+64.18	2100+35.43	RT	71	VARIES	4547.40	505.27		PAVED APPROACH (INCLUDES ANY CURB)
30	RTE 366	2100+28.83	2100+89.73	LT	66	VARIES	294.14	32.68		CONCRETE SIDEWALK
30	RTE 366	2100+30.64	2100+43.74	RT	13	5	60.40	6.71		CONCRETE SIDEWALK
30	RTE 366	2100+35.43	2100+77.75	RT	42					CONCRETE CURB
30	RTE 366	2100+77.75	2101+38.29	RT	61	VARIES	705.22	78.36		PAVED APPROACH (INCLUDES ANY CURB)
30	RTE 366	2101+07.19	2101+12.19	LT	5	5	23.61	2.62		CONCRETE SIDEWALK
30	RTE 366	2101+18.63	2103+33.27	RT	215	5	980.76	108.97		CONCRETE SIDEWALK
30	RTE 366	2101+33.76	2101+38.47	RT	4	12	56.45	6.27		BUS PAD STOP
30	RTE 366	2101+54.38	2101+59.38	RT	5	5	23.80	2.64		CONCRETE SIDEWALK
30	RTE 366	2102+31.73	2103+22.12	LT	90	VARIES	1749.02	194.34		PAVED APPROACH (INCLUDES ANY CURB)
30	RTE 366	2102+46.18	2102+57.21	LT	9	VARIES	62.31	6.92		CONCRETE SIDEWALK
30	RTE 366	2102+95.45	2103+06.82	LT	14	VARIES	64.34	7.15		CONCRETE SIDEWALK
30	RTE 366	2103+19.91	2103+77.56	RT	58	VARIES	850.18	94.46		PAVED APPROACH (INCLUDES ANY CURB)
30	RTE 366	2103+53.61	2104+15.41	RT	59	5	10.85	1.21		CONCRETE SIDEWALK
31	RTE 366	2106+66.70		LT						BUSH
31	RTE 366	2106+98.75	2107+03.85	LT	5	11	54.64	6.07		CONCRETE SIDEWALK
31	RTE 366	2108+48.01	2108+60.68	LT	39	VARIES	163.15	18.13		CONCRETE SIDEWALK
31	RTE 366	2108+59.87	2108+65.89	LT	15					CONCRETE CURB
31	RTE 366	2108+77.14	2109+23.99	LT	47	VARIES	539.06	59.90		ISLAND
31	RTE 366	2108+76.44	2109+26.95	LT	51	VARIES	595.22	66.14		PAVEMENT FOR ISLAND
31	RTE 366	2109+34.22	2109+37.36	LT	3	4	6.87	0.76		MEDIAN
31	RTE 366	2109+66.76	2109+83.84	RT	17	VARIES	119.07	13.23		ISLAND
31	RTE 366	2109+66.76	2109+84.02	RT	17	VARIES	121.57	13.51		PAVEMENT FOR ISLAND
31	RTE 366	2110+17.25	2110+24.35	LT	7	VARIES	48.87	5.43		ISLAND
31	RTE 366	2110+17.16	2110+24.35	LT	7	VARIES	52.51	5.83		PAVEMENT FOR ISLAND
31	RTE 366	2110+58.26	2110+70.06	RT	12	VARIES	78.25	8.69		ISLAND
31	RTE 366	2110+58.14	2110+70.15	RT	12	VARIES	81.63	9.07		PAVEMENT FOR ISLAND
31 - 32	RTE 366	2110+71.04	2111+15.06	RT	61					CONCRETE CURB
31 - 32	RTE 366	2110+71.74	2111+17.37	RT	77	VARIES	398.83	44.31		CONCRETE SIDEWALK
32	RTE 366	2111+03.47	2111+15.05	RT	29					CONCRETE CURB
32	RTE 366	2111+14.99	2111+72.71	RT	58	VARIES	565.99	62.89		PAVED APPROACH (INCLUDES ANY CURB)
32	RTE 366	2111+51.73	2111+78.49	RT	45					CONCRETE CURB
32	RTE 366	2111+52.48	2111+77.80	RT	26	5	129.11	14.35		CONCRETE SIDEWALK
32	RTE 366	2111+72.71	2112+26.64	RT	54	VARIES	632.49	70.28		PAVED APPROACH (INCLUDES ANY CURB)
32	RTE 366	2112+17.60	2114+12.46	RT	213	VARIES	831.24	92.36		CONCRETE SIDEWALK
32	RTE 366	2113+92.97	2114+53.80	RT	61	VARIES	884.53	98.28		PAVED APPROACH (INCLUDES ANY CURB)
32	RTE 366	2114+43.65	2115+00.61	RT	58	VARIES	272.51	30.28		CONCRETE SIDEWALK
32	RTE 366	2114+48.53		RT						TREE
32	RTE 366	2114+49.27		RT						TREE
32	RTE 366	2114+51.56		RT						TREE
32	RTE 366	2114+52.21		RT						TREE
32	RTE 366	2114+52.43		RT						TREE
32	RTE 366	2114+54.84		RT						TREE
32	RTE 366	2114+55.05		RT						TREE
32	RTE 366	2114+55.27		RT						TREE
32 - 33	RTE 366	2114+91.39	2115+43.63	RT	52	VARIES	727.78	80.86		PAVED APPROACH (INCLUDES ANY CURB)
33	RTE 366	2115+33.53	2116+14.34	RT	102	VARIES	521.69	57.97		CONCRETE SIDEWALK
33	RTE 366	2115+40.74		RT						BUSH
33	RTE 366	2115+45.47		RT						BUSH
33	RTE 366	2115+49.14		RT						BUSH
33	RTE 366	2115+54.03		RT						BUSH
33	RTE 366	2115+58.56		RT						BUSH
33	RTE 366	2119+59.24	2119+76.67	RT	20	VARIES	84.48	9.39		CONCRETE SIDEWALK
33	RTE 366	2119+52.99	2120+69.49	RT	117	VARIES	2249.51	249.95		PAVED APPROACH (INCLUDES ANY CURB)
33	RTE 366	2120+02.60	2120+20.31	RT	18	VARIES	268.29	29.81		ISLAND

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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

07/27/2024 8:58:18 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
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PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

QUANTITIES

ROUTE 366
WATSON ROAD

REMOVAL OF IMPROVEMENTS - 1 LUMP SUM (5 OF 16)

SHEET	ROADWAY	STATION (FROM)	STATION (TO)	LOCATION	LENGTH (FEET)	WIDTH (FEET)	AREA (SF)	AREA (SY)	EACH	DESCRIPTION OF REMOVAL
33	RTE 366	2120+02.44	2120+20.43	RT	18	VARIES	277.11	30.79		PAVEMENT FOR ISLAND
33	RTE 366	2120+19.51	2120+20.31	RT	3					CONCRETE CURB
33	RTE 366	2120+20.42	2120+43.92	RT	40	6	206.39	22.93		CONCRETE SIDEWALK
34	RTE 366	2120+72.98	2121+58.41	RT	86	6	508.81	56.53		CONCRETE SIDEWALK
34	RTE 366	2122+01.75	2122+22.53	RT	22	5	123.66	13.74		CONCRETE SIDEWALK
34	RTE 366	2124+35.67	2124+53.12	RT	18	VARIES	131.09	14.57		CONCRETE SIDEWALK
34	RTE 366	2124+63.85	2125+00.83	RT	37	VARIES	802.00	89.11		PAVED APPROACH (INCLUDES ANY CURB)
34	RTE 366	2124+71.92	2124+97.20	RT	17	5	121.82	13.54		CONCRETE SIDEWALK
"NO DIRECT PAYMENT FOR SAWCUTS, SAWCUTS ARE NOT LISTED BUT ARE REQUIRED FOR ALL REMOALS ADJACENT TO AN ASPHALT OR CONCRETE SURFACE TO REMAIN IN PLACE ANY ITEM FOR REMOVAL NOT LISTED ABOVE BUT REQUIRED FOR THE COMPLETION OF THE PROJECT SHALL BE INCLUDED IN THE LUMP SUM COST FOR REMOVAL OF IMPROVEMENTS."										
313	RTE 366	2015+11.44		RT					1	ELECTRIC RISER
313	RTE 366	2015+13.71		RT					1	PULL BOX
313	RTE 366	2015+15.37		RT					1	SIGNAL CONTROLLER
313	RTE 366	2015+21.34		RT					1	1 MAST ARM, 3 SIGNAL HEADS, 1 CAMERA, 3 SIGNS
313	RTE 366	2015+44.42		LT					1	1 MAST ARM, 3 SIGNAL HEADS, 1 CAMERA, 1 SIGN
313	RTE 366	2015+51.11		LT					1	PULL BOX
313	RTE 366	2015+55.57		LT					1	PULL BOX
313	RTE 366	2015+82.52		RT					1	PULL BOX
313	RTE 366	2015+87.52		RT					1	1 MAST ARM, 3 SIGNAL HEADS, 1 CAMERA, 1 SIGN
313	RTE 366	2016+18.13		LT					1	1 MAST ARM, 4 SIGNAL HEADS, 1 CAMERA, 2 SIGNS
313	RTE 366	2016+24.70		LT					1	PULL BOX
319	RTE 366	2032+90.28		LT					1	1 MAST ARM, 3 SIGNAL HEADS, 1 PED HEAD, 1 PUSH BUTTON, 1 LUMINAIRE, 1 CAMERA, 2 SIGNS
319	RTE 366	2032+98.45		LT					1	SIGNAL CONTROLLER
319	RTE 366	2033+03.15		LT					1	PULL BOX
319	RTE 366	2033+13.52		RT					1	1 MAST ARM, 3 SIGNAL HEADS, 1 PED HEAD, 1 PUSH BUTTON, 1 CAMERA, 1 SIGN
319	RTE 366	2033+13.00		RT					1	PULL BOX
319	RTE 366	2033+77.33		RT					1	PULL BOX
319	RTE 366	2033+82.91		RT					1	1 MAST ARM, 3 SIGNAL HEADS, 2 PED. HEADS, 2 PUSH BUTTONS, 1 CAMERA, 2 SIGNS
319	RTE 366	2034+01.33		LT					1	1 MAST ARM, 3 SIGNAL HEADS, 2 PED. HEADS, 2 PUSH BUTTONS, 1 LUMINAIRE, 1 CAMERA, 2 SIGNS
319	RTE 366	2034+10.46		RT					1	PULL BOX
319	RTE 366	2034+32.55		LT					1	PULL BOX
325	RTE 366	2040+90.35		LT					1	2 MAST ARMS, 5 SIGNAL HEADS, 2 CAMERAS, 2 SIGNS
325	RTE 366	2040+93.80		RT					1	PULL BOX
325	RTE 366	2040+95.97		LT					1	PULL BOX
325	RTE 366	2041+69.18		RT					1	1 MAST ARM, 2 SIGNAL HEADS, 1 CAMERA
325	RTE 366	2041+87.25		RT					1	SIGNAL CONTROLLER
325	RTE 366	2041+88.06		RT					1	PULL BOX
331	RTE 366	2044+57.64		RT					1	PULL BOX
331	RTE 366	2044+88.16		LT					1	1 MAST ARM, 2 SIGNAL HEADS, 1 CAMERA
331	RTE 366	2045+37.96		RT					1	PULL BOX
331	RTE 366	2045+76.76		RT					1	2 MAST ARMS, 5 SIGNAL HEADS, 3 CAMERAS, 3 SIGNS
337	RTE 366	2077+09.93		LT					1	1 MAST ARM, 3 SIGNAL HEADS, 1 CAMERA, 3 SIGNS
337	RTE 366	2077+10.50		RT					1	1 MAST ARM, 2 SIGNAL HEADS, 1 SIGN
337	RTE 366	2077+59.48		LT					1	1 MAST ARM, 2 SIGNAL HEADS, 1 CAMERA, 1 SIGN
337	RTE 366	2077+65.47		LT					1	PEDESTRIAN SIGNAL POLE, 1 PED. HEAD, 1 PUSH BUTTON
337	RTE 366	2077+74.07		RT					1	PEDESTRIAN SIGNAL POLE, 1 PED. HEAD, 1 PUSH BUTTON
337	RTE 366	2077+82.66		RT					1	SIGNAL CONTROLLER
337	RTE 366	2077+84.36		RT					1	1 MAST ARM, 4 SIGNAL HEADS, 1 CAMERA, 3 SIGNS
343	RTE 366	2098+15.36		LT					1	PULL BOX
343	RTE 366	2098+20.35		LT					1	1 MAST ARM, 3 SIGNAL HEADS, 2 PED. HEADS, 2 PUSH BUTTONS, 1 CAMERA, 2 SIGNS
343	RTE 366	2098+33.06		RT					1	PEDESTRIAN SIGNAL POLE, 2 PED. HEADS, 2 PUSH BUTTONS
343	RTE 366	2098+36.15		RT					1	PULL BOX
343	RTE 366	2099+27.96		RT					1	PEDESTRIAN SIGNAL POLE, 1 PED. HEAD, 1 PUSH BUTTON
343	RTE 366	2099+30.89		RT					1	1 MAST ARM, 3 SIGNAL HEADS, 1 CAMERA, 2 SIGNS
343	RTE 366	2099+36.83		LT					1	1 MAST ARM, 2 SIGNAL HEADS, 1 PED. HEAD, 1 PUSH BUTTON, 1 CAMERA, 1 SIGN
343	RTE 366	2099+36.84		RT					2	PULL BOXES
343	RTE 366	2099+40.06		RT					1	SIGNAL CONTROLLER
343	RTE 366	2099+44.30		LT					1	PULL BOX
343	RTE 366	2099+51.36		RT					1	ELECTRIC RISER
349	RTE 366	2109+01.71		RT					1	PULL BOX (ATG)
349	RTE 366	2109+13.33		LT					1	PEDESTRIAN POLE, 2 PED. HEADS, 2 PUSH BUTTONS
349	RTE 366	2109+76.76		RT					1	2 PED. HEADS, 2 PUSH BUTTONS
349	RTE 366	2110+28.92		LT					1	2 PED. HEADS, 2 PUSH BUTTONS
349	RTE 366	2110+64.64		RT					1	2 PED. HEADS, 2 PUSH BUTTONS
NOTE: EXISTING SIGNS TO BE REMOVED ARE ONE POST INSTALLATIONS UNLESS OTHERWISE NOTED.										
451	RTE 366	2016+40.16		LT					1	YIELD
451	RTE 366	2018+31.33		LT					1	CANTILEVER SIGN
452	RTE 366	2024+22.98		RT					1	INTERSTATE 44
453	RTE 366	2035+75.38		RT					2	BIKE SHARE THE ROAD
453	RTE 366	2037+57.75		RT					4	EAST, ROUTE 67, & ARROWS
453	RTE 366	2039+21.46		LT					1	DO NOT ENTER
453	RTE 366	2039+51.24		LT					1	YIELD
453	RTE 366	2041+87.69		LT					2	EAST & ROUTE 67
453	RTE 366	2041+99.71		RT					1	ROUTE 67
453	RTE 366	2042+00.15		RT					1	INTERSTATE 44
454	RTE 366	2044+25.03		LT					1	EAST
454	RTE 366	2044+99.57		RT					1	ROUTE 67
454	RTE 366	2048+96.80		LT					2	NORTH & ROUTE 67
455	RTE 366	2054+85.41		LT					1	ROUTE 61
455	RTE 366	2055+68.93		RT					1	CENTER LANE ONLY
455	RTE 366	2058+08.73		RT					2	EAST & ROUTE 366
456	RTE 366	2071+77.83		LT					1	CENTER LANE ONLY
457	RTE 366	2080+51.53		RT					1	METRO BUS
458	RTE 366	2085+71.68		RT					1	CENTER LANE ONLY
460	RTE 366	2106+84.05		LT					1	LEFT TURN ONLY
460	RTE 366	2106+89.54		LT					1	ROUTE 366
460	RTE 366	2111+09.74		LT					1	CANTILEVER SIGN
460	RTE 366	2112+89.74		RT					2	ROUTE 366 & EAST

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MO PE-2023008624

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DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

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DESCRIPTION	DATE

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PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

QUANTITIES

ROUTE 366
WATSON ROAD

ADJUST TO GRADE (1 OF 8)

SHEET NO.	STATION	ROADWAY	LOCATION	ADJUSTING BASIN OR INLET (EA)	ADJUSTING MANHOLE (EA)	ADJUST TO GRADE WATER VALVE (EA)	ADJUST TO GRADE WATER METER (EA)	ADJUST TO GRADE MODOT PULL BOX (EA)	REMARKS
8	18+88.55	S GEYER RD	LT	1					MSD# UNKNOWN GRATE INLET
8	21+00.72	S GEYER RD	LT	1					MSD# UNKNOWN GRATE INLET
14	2029+74.83	RTE 366	RT	1					MSD# UNKNOWN GRATE INLET
15	2034+18.57	RTE 366	LT		1				
15	2034+20.43	RTE 366	RT		1				
15	2034+56.83	RTE 366	RT	1					MSD# UNKNOWN GRATE INLET
15	2035+26.38	RTE 366	RT					1	ITS PULL BOX
15	2035+48.13	RTE 366	RT	1					MSD# UNKNOWN GRATE INLET
15	2036+50.40	RTE 366	RT	1					MSD# UNKNOWN GRATE INLET
16	2039+07.93	RTE 366	LT			1			
16	2039+42.05	RTE 366	LT		1				
16	2039+42.23	RTE 366	LT	1					MSD# UNKNOWN GRATE INLET
16	504+76.47	RTE 366 WB ON RAMP	RT	1					MSD# UNKNOWN GRATE INLET
16	2041+39.43	RTE 366	LT	1					MSD# UNKNOWN GRATE INLET
16	2041+42.35	RTE 366	RT	1					MSD# UNKNOWN GRATE INLET
17	503+65.34	RTE 366 WB ON RAMP	RT	1					MSD# UNKNOWN GRATE INLET
17	704+03.27	RTE 366 WB OFF RAMP	RT	1					MSD# UNKNOWN GRATE INLET
17	705+25.07	RTE 366 WB OFF RAMP	RT	1					MSD# UNKNOWN GRATE INLET
17	705+34.85	RTE 366 WB OFF RAMP	RT	1					MSD# UNKNOWN GRATE INLET
18	604+05.78	RTE 366 EB OFF RAMP	RT	1					MSD# UNKNOWN GRATE INLET
18	802+08.18	RTE 366 EB ON RAMP	RT	1					MSD# 25M4-201D GRATE INLET
18	803+08.21	RTE 366 EB ON RAMP	RT	1					MSD# 25M4-202D GRATE INLET
19	702+02.07	RTE 366 WB OFF RAMP	RT	1					MSD# UNKNOWN GRATE INLET
19	2045+30.04	RTE 366	LT		1				
19	2045+30.48	RTE 366	RT		1				
20	2047+61.22	RTE 366	LT		1				SAN. MH
20	2047+66.66	RTE 366	RT	1					MSD# UNKNOWN GRATE INLET
20	2047+68.79	RTE 366	LT	1					MSD# UNKNOWN GRATE INLET
20	2048+67.68	RTE 366	RT	1					
20	2048+79.88	RTE 366	LT	1					MSD# 25M4-0230D GRATE INLET
20	2048+95.61	RTE 366	LT		1				STORM MH
20	2049+10.14	RTE 366	RT		1				SAN. MH
20	2049+35.78	RTE 366	LT		1				SAN. MH
20	2050+48.86	RTE 366	LT	1					MSD# 25M4-0228D GRATE INLET
20	2051+37.34	RTE 366	LT	1					MSD# 25M4-0227D GRATE INLET
20	2051+74.98	RTE 366	LT	1					MSD# 25M4-092D GRATE INLET
20	2052+07.87	RTE 366	RT		1				STORM MH
20	2052+65.43	RTE 366	RT	1					MSD# UNKNOWN GRATE INLET
21	2053+03.87	RTE 366	LT	1					MSD# UNKNOWN GRATE INLET
21	2053+75.05	RTE 366	LT	1					MSD# UNKNOWN GRATE INLET
21	2054+05.41	RTE 366	RT	1					MSD# UNKNOWN GRATE INLET
21	2054+29.77	RTE 366	LT	1					MSD# UNKNOWN GRATE INLET
21	2054+84.25	RTE 366	LT	1					MSD# UNKNOWN GRATE INLET
		SUBTOTAL 1		**31**	**10**	**1**	**0**	**1**	

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BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

QUANTITIES

ROUTE 366
WATSON ROAD

ADJUST TO GRADE (2 OF 8)

SHEET NO.	STATION	ROADWAY	LOCATION	ADJUSTING BASIN OR INLET (EA)	ADJUSTING MANHOLE (EA)	ADJUST TO GRADE WATER VALVE (EA)	ADJUST TO GRADE WATER METER (EA)	ADJUST TO GRADE MODOT PULL BOX (EA)	REMARKS
21	2055+62.86	RTE 366	LT	1					MSD# UNKNOWN GRATE INLET
21	2055+65.70	RTE 366	RT	1					MSD# UNKNOWN GRATE INLET
21	2057+24.84	RTE 366	LT	1					MSD# UNKNOWN GRATE INLET
22	2058+55.62	RTE 366	LT		1				SAN. MH
22	2060+03.75	RTE 366	LT	1					MSD# UNKNOWN GRATE INLET
22	2061+63.08	RTE 366	LT	1					MSD# UNKNOWN GRATE INLET
22	2062+65.75	RTE 366	RT	1					MSD# UNKNOWN GRATE INLET
22	2062+66.59	RTE 366	LT	1					MSD# UNKNOWN GRATE INLET
22	2063+19.25	RTE 366	LT		1				STORM MH
23	2063+80.81	RTE 366	RT	1					MSD# S5M4-040D GRATE INLET
23	2064+07.10	RTE 366	LT		1				STORM MH
23	2064+18.10	RTE 366	RT			1			
23	2064+41.38	RTE 366	RT	1					MSD# UNKNOWN GRATE INLET
23	2065+19.53	RTE 366	RT	1					MSD# UNKNOWN GRATE INLET
23	2065+90.43	RTE 366	LT	1					MSD# UNKNOWN GRATE INLET
23	2066+22.77	RTE 366	RT	1					MSD# 25M3-152D GRATE INLET
23	2066+23.99	RTE 366	LT		1				STORM MH
23	2066+49.79	RTE 366	LT	1					MSD# UNKNOWN GRATE INLET
23	2066+69.13	RTE 366	RT	1					MSD# 25M3-151D GRATE INLET
23	2067+10.41	RTE 366	LT	1					MSD# UNKNOWN GRATE INLET
23	2067+59.96	RTE 366	LT	1					MSD# UNKNOWN GRATE INLET
23	2068+21.85	RTE 366	RT	1					MSD# UNKNOWN GRATE INLET
23	2068+45.41	RTE 366	LT	1					MSD# UNKNOWN GRATE INLET
24	2068+05.45	RTE 366	LT	1					MSD# UNKNOWN GRATE INLET
24	2070+55.27	RTE 366	LT	1					MSD# UNKNOWN GRATE INLET
24	2070+94.16	RTE 366	LT					1	ITS PULL BOX
24	2073+02.23	RTE 366	LT	1					MSD# UNKNOWN GRATE INLET
24	2073+74.26	RTE 366	LT			1			
24	2073+96.25	RTE 366	LT		1				STORM MH
24	2073+96.60	RTE 366	LT		1				STORM MH
24	2074+11.04	RTE 366	LT	1					MSD# UNKNOWN GRATE INLET
24	2074+46.14	RTE 366	LT	1					MSD# UNKNOWN GRATE INLET
25	2074+86.73	RTE 366	RT	1					MSD# UNKNOWN GRATE INLET
25	2075+04.77	RTE 366	LT		1				STORM MH
25	2076+08.90	RTE 366	RT			1			
25	2076+13.96	RTE 366	RT			1			
25	2076+14.00	RTE 366	RT			1			
25	2076+98.99	RTE 366	RT	1					MSD# UNKNOWN GRATE INLET
25	2077+06.62	RTE 366	LT	1					MSD# UNKNOWN GRATE INLET
25	2077+78.05	RTE 366	LT			1			
25	2078+25.15	RTE 366	LT					1	SIGNAL PULL BOX
25	2078+51.53	RTE 366	LT	1					MSD# UNKNOWN GRATE INLET
26	2079+74.66	RTE 366	LT	1					MSD# UNKNOWN GRATE INLET
26	2080+56.76	RTE 366	LT		1				SAN. MH
26	2080+66.46	RTE 366	RT			1			
26	2080+67.98	RTE 366	LT	1					MSD# UNKNOWN GRATE INLET
26	2081+29.96	RTE 366	RT	1					MSD# UNKNOWN GRATE INLET
26	2081+36.63	RTE 366	LT	1					MSD# UNKNOWN GRATE INLET
26	2081+52.85	RTE 366	LT			1			
26	2081+84.14	RTE 366	LT		1				SAN. MH
26	2082+08.90	RTE 366	LT	1					MSD# UNKNOWN GRATE INLET
26	2082+75.26	RTE 366	RT	1					MSD# UNKNOWN GRATE INLET
26	2082+96.12	RTE 366	LT	1					MSD# UNKNOWN GRATE INLET
26	2083+08.12	RTE 366	LT	1					MSD# UNKNOWN GRATE INLET
26	2083+27.58	RTE 366	LT		1				STORM MH
26	2083+65.07	RTE 366	RT	1					MSD# UNKNOWN GRATE INLET
26	2084+34.36	RTE 366	RT	1					MSD# 25M3-131D GRATE INLET
26	2084+35.67	RTE 366	RT	1					MSD# UNKNOWN GRATE INLET
26	2084+38.37	RTE 366	LT	1					MSD# UNKNOWN GRATE INLET
26	2084+81.78	RTE 366	LT	1					
27	2085+16.59	RTE 366	RT	1					
27	2085+64.13	RTE 366	LT	1					MSD# UNKNOWN GRATE INLET
27	2086+14.12	RTE 366	RT	1					MSD# UNKNOWN GRATE INLET
27	2087+20.19	RTE 366	LT	1					MSD# UNKNOWN GRATE INLET
27	2087+85.97	RTE 366	LT		1				SAN. MH
27	2087+91.39	RTE 366	RT	1					MSD# UNKNOWN GRATE INLET
27	2088+60.05	RTE 366	LT	1					MSD# 25M3-0270D GRATE INLET
27	2089+49.71	RTE 366	LT	1					MSD# UNKNOWN GRATE INLET
28	2090+22.15	RTE 366	RT				1		
28	2091+36.77	RTE 366	RT	1					MSD# UNKNOWN GRATE INLET
		SUBTOTAL 2		48	11	8	1	2	

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BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

SHEET 10 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

c:*bms*gba-pw-01*brian kierath*dms04525*003_QU_10_J6S3582_R01_7.dgn 7/26/2024

ADJUST TO GRADE (3 OF 8)

SHEET NO.	STATION	ROADWAY	LOCATION	ADJUSTING BASIN OR INLET (EA)	ADJUSTING MANHOLE (EA)	ADJUST TO GRADE WATER VALVE (EA)	ADJUST TO GRADE WATER METER (EA)	ADJUST TO GRADE MODOT PULL BOX (EA)	REMARKS
28	2092+61.83	RTE 366	RT	1					MSD# UNKNOWN GRATE INLET
28	2092+94.40	RTE 366	LT	1					MSD# UNKNOWN GRATE INLET
28	2093+15.99	RTE 366	RT			1			
28	2093+32.48	RTE 366	RT	1					MSD# UNKNOWN GRATE INLET
28	2094+22.21	RTE 366	RT						MSD# UNKNOWN GRATE INLET
29	2094+71.81	RTE 366	RT	1					MSD# UNKNOWN GRATE INLET
29	2094+89.09	RTE 366	LT		1				SAN. MH
29	2094+98.64	RTE 366	LT		1				STORM MH
29	2095+08.27	RTE 366	RT	1					MSD# UNKNOWN GRATE INLET
29	2095+22.06	RTE 366	LT		1				SAN. MH
29	2095+78.90	RTE 366	RT	1					MSD# UNKNOWN GRATE INLET
29	2096+22.46	RTE 366	RT		1				STORM MH
29	2096+32.92	RTE 366	LT	1					MSD# UNKNOWN GRATE INLET
29	2097+00.49	RTE 366	RT	1					MSD# 25M3-112D GRATE INLET
29	2097+04.10	RTE 366	LT		1				SAN. MH
29	2097+20.20	RTE 366	RT	1					MSD# UNKNOWN GRATE INLET
29	2097+21.29	RTE 366	LT	1					MSD # 25M3-116D GRATE INLET
29	2097+34.33	RTE 366	RT			1			
29	2098+12.92	RTE 366	LT	1					MSD# 25M3-117D GRATE INLET
29	2099+23.45	RTE 366	LT		1				STORM MH
29	2099+34.21	RTE 366	LT		1				SAN. MH
29	2099+51.08	RTE 366	LT					1	ITS PULL BOX
29	2099+96.73	RTE 366	RT				1		
29	2099+97.53	RTE 366	RT			1			
30	2100+17.48	RTE 366	LT		1				SAN. MH
30	2100+32.88	RTE 366	LT			1			
30	2100+37.36	RTE 366	RT	1					MSD# 25M3-113D GRATE INLET
30	2100+82.27	RTE 366	LT	1					MSD# 25M3-119D GRATE INLET
30	2101+69.93	RTE 366	LT	1					MSD# 25M3-118D GRATE INLET
30	2101+76.33	RTE 366	RT	1					MSD# 25M3-114ZZD GRATE INLET
30	2102+30.65	RTE 366	LT	1					MSD# 25L4-360D GRATE INLET
30	2103+23.46	RTE 366	LT	1					MSD# 25L4-089D GRATE INLET
30	2104+61.27	RTE 366	LT	1					MSD# 25L4-077D GRATE INLET
30	2104+62.04	RTE 366	RT		1				STORM MH
30	2104+79.78	RTE 366	RT	1					MSD# 25L4-076D GRATE INLET
30	2105+36.27	RTE 366	RT	1					MSD# UNKNOWN GRATE INLET
31	2105+63.97	RTE 366	LT	1					MSD# 25L4-077D GRATE INLET
31	2106+14.70	RTE 366	RT	1					MSD# UNKNOWN GRATE INLET
31	2106+72.77	RTE 366	RT	1					MSD# UNKNOWN GRATE INLET
31	2107+12.75	RTE 366	LT	1					MSD# 25L4-079D GRATE INLET
31	2107+82.58	RTE 366	RT	1					MSD# UNKNOWN GRATE INLET
31	2108+63.92	RTE 366	LT	1					MSD# 25L4-359D GRATE INLET
31	2108+91.63	RTE 366	LT		1				STORM MH
31	2108+96.84	RTE 366	LT	1					MSD# 25L4-097D GRATE INLET
31	2109+01.71	RTE 366	LT					1	SIGNAL PULL BOX
31	2109+82.14	RTE 366	LT	1					MSD# 25L4-092D GRATE INLET
31	2110+20.85	RTE 366	LT					1	SIGNAL PULL BOX
31	2110+74.91	RTE 366	RT		1				TELE. MH
31	2110+81.95	RTE 366	RT					1	SIGNAL PULL BOX
32	2111+40.18	RTE 366	RT			1			
32	2111+59.64	RTE 366	RT	1					MSD# UNKNOWN GRATE INLET
32	2112+15.73	RTE 366	RT	1					MSD# UNKNOWN GRATE INLET
32	2112+89.38	RTE 366	RT	1					MSD# UNKNOWN GRATE INLET
32	2113+85.86	RTE 366	RT	1					MSD# 25L4-111D GRATE INLET
32	2114+85.29	RTE 366	RT	1					MSD# 25L4-112D GRATE INLET
33	2115+54.70	RTE 366	RT	1					MSD# 25L4-113D GRATE INLET
33	2115+54.71	RTE 366	LT	1					MSD# 25L4-114D GRATE INLET
33	2117+00.06	RTE 366	RT	1					MSD# 25L4-120D GRATE INLET
33	2119+19.69	RTE 366	LT	1					MSD# 25L4-124D GRATE INLET
33	2119+85.72	RTE 366	LT	1					MSD# 25L4-125D GRATE INLET
33	2119+86.31	RTE 366	RT	1					MSD# UNKNOWN GRATE INLET
33	2119+89.83	RTE 366	RT		1				STORM MH
33	2120+03.42	RTE 366	RT	1					MSD# UNKNOWN GRATE INLET
33	2120+19.01	RTE 366	RT		1				STORM MH
34	2120+64.40	RTE 366	LT	1					MSD# UNKNOWN GRATE INLET
34	2120+88.98	RTE 366	LT	1					MSD# UNKNOWN GRATE INLET
34	2121+44.31	RTE 366	RT	1					MSD# UNKNOWN GRATE INLET
34	2122+13.84	RTE 366	RT	1					MSD# UNKNOWN GRATE INLET
34	2125+40.31	RTE 366	LT	1					MSD# 25L4-166D GRATE INLET
		SUBTOTAL 3		45	13	5	1	4	

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REMOVE AND RELOCATE EXISTING GROUND MOUNT SIGN QUANTITY (1 OF 2)

SIGNING SHEET (X OF 41)	SIGN NO.	STATION	ROADWAY	LOCATION	REMOVE & RELOCATE EXISTING GROUND MOUNT SIGN (EA)	REMARKS
2	5	2014+95.76	RTE 366	RT	1	DOUBLE ARROW
2	1	2015+61.45	RTE 366	LT	1	WEST INTERSTATE 44 & INTERSTATE 270, 366, & ARROWS
2	3	2016+30.93	RTE 366	LT	1	WEST INTERSTATE 44 & INTERSTATE 270, ARROW
2	6	2015+86.68	RTE 366	RT	1	WEST INTERSTATE 44 & INTERSTATE 270, 366, & ARROWS
2	4	2016+41.05	RTE 366	LT	1	DOUBLE ARROW
3	7	2028+98.42	RTE 366	RT	1	DOUBLE ARROW
3	11	2029+10.41	RTE 366	RT	1	KEEP RIGHT
3	8	2029+20.68	RTE 366	RT	1	NO LEFT TURN
3	12	2029+73.84	RTE 366	RT	1	BEGIN RIGHT TURN LANE YIELD TO BIKES
3	13	2031+25.21	RTE 366	RT	1	JCT, 50, 61, 67
3	9	2032+95.00	RTE 366	RT	1	DOUBLE ARROW
4	14	2033+52.99	RTE 366	LT	1	KEEP RIGHT
4	19	2033+74.15	RTE 366	RT	1	DOUBLE ARROW
4	21	2037+57.75	RTE 366	RT	1	ROUTE 50 & 61, SOUTH
4	15	2040+67.22	RTE 366	LT	1	ONE WAY RIGHT, ONE WAY LEFT
4	16	2040+77.73	RTE 366	LT	1	HISTORIC BYWAY & ARROW
4	17	2040+81.14	RTE 366	LT	1	EAST, ROUTE 366 (2), WEST, & ARROWS
5	25	705+61.37	RTE 366 WB OFF RAMP	RT	1	YIELD, DO NOT ENTER
5	24	706+33.67	RTE 366 WB OFF RAMP	RT	1	LOW CLEARANCE
5	27	2046+24.22	RTE 366	LT	1	DOUBLE ARROW
5	29	2049+42.08	RTE 366	LT	1	NO LEFT TURN
6	33	2061+74.03	RTE 366	RT	1	METRO BUS
7	35	2063+77.45	RTE 366	LT	1	METRO BUS
7	36	2069+96.47	RTE 366	LT	1	METRO BUS
7	37	2070+25.58	RTE 366	RT	1	METRO BUS
8	38	2079+43.73	RTE 366	RT	1	METRO BUS
9	39	2092+38.18	RTE 366	RT	1	METRO BUS
10	40	2095+27.68	RTE 366	LT	1	NO LEFT TURN
10	41	2098+17.07	RTE 366	LT	1	NO U-TURN, KEEP RIGHT
10	42	2098+84.09	RTE 366	RT	1	NO U-TURN, KEEP RIGHT
10	43	2098+82.20	RTE 366	RT	1	KEEP RIGHT
10	44	2102+03.74	RTE 366	RT	1	METRO BUS
11	45	2106+59.23	RTE 366	LT	1	METRO BUS
11	47	2110+60.54	RTE 366	RT	1	DOUBLE ARROW
12	49	2113+33.76	RTE 366	RT	1	METRO BUS
12	50	2120+18.32	RTE 366	RT	1	NO LEFT TURN
		SUBTOTAL 1			36	

BRIAN D. KIERATH JR. NUMBER PE-2023008624 PROFESSIONAL ENGINEER STATE OF MISSOURI
07/27/2024 8:58:35 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED 7/26/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 3
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

REV.	DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SHEET 11 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

PAVEMENT EDGE TREATMENT (1 OF 1)

SHEET NO.	FROM STATION	TO STATION	ROADWAY	LOCATION	PAVEMENT EDGE TREATMENT	REMARKS
					(LF)	
8	2014+36.40	2015+01.79	RTE 366	RT	122	CURB REPLACEMENT WITH NO SIDEWALK REPLACEMENT
8	2014+87.76	2015+75.57	RTE 366	LT	125	CURB REPLACEMENT WITH NO SIDEWALK REPLACEMENT
8	2015+72.71	2016+30.64	RTE 366	RT	109	CURB REPLACEMENT WITH NO SIDEWALK REPLACEMENT
8	2016+26.58	2016+76.43	RTE 366	LT	87	CURB REPLACEMENT WITH NO SIDEWALK REPLACEMENT
22	2058+94	2059+73	RTE 366	RT	79	CURB REPLACEMENT WITH NO SIDEWALK REPLACEMENT
24	2074+08	2074+47	RTE 366	LT	39	CURB REPLACEMENT WITH NO SIDEWALK REPLACEMENT
29	2097+79	2098+58	RTE 366	RT	93	CURB REPLACEMENT WITH NO SIDEWALK REPLACEMENT
29	2099+18.58	2099+64.00	RTE 366	RT	88	CURB REPLACEMENT WITH NO SIDEWALK REPLACEMENT
29	2099+28.00	2099+61.00	RTE 366	RT	59	CURB REPLACEMENT WITH NO SIDEWALK REPLACEMENT
				TOTAL	801	

COLDMILLING AND PAVEMENT QUANTITIES (1 OF 3)

SHEET NO.	FROM STATION	TO STATION	ROADWAY	LOCATION	COLDMILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACING (3 IN. THICK OR LESS)	COLDMILLING CONCRETE PAVEMENT FOR REMOVAL OF SURFACE	ASPHALTIC CONCRETE MIXTURE PG 70-22 (SP095C MIX)	ASPHALTIC CONCRETE MIXTURE PG 70-22 (SP095CLP MIX)	TACK COAT - LOW TRACKING OR NON TRACKING	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK)	CONCRETE PAVEMENT (8.5 IN. NON-REINFORCED, 15 FT. JOINTS)	CONCRETE PAVEMENT (10 IN. NON-RE-INFORCED, 15 FT. JOINTS)	CONCRETE PAVEMENT (10 1/2 IN. NON-RE-INFORCED, 15 FT. JOINTS)	LINEAR GRADING CLASS 2, MODIFIED	CONCRETE APPROACH PAVEMENT	REMARKS
					(SQYD)	(SQYD)	(TONS)	(TONS)	(GAL)	(SQYD)	(SQYD)	(SQYD)	(SQYD)	(STA)	(SQYD)	
5	2002+00	2004+00	RTE 366		1,273		104.0	102.9	191							
6	2004+00	2009+00	RTE 366		2,619		213.9	211.7	393							
7	2009+00	2013+50	RTE 366		4,153		339.2	335.7	623							
8	2013+50	2018+50	RTE 366		6,585		537.8	532.3	988							
8	2014+92.88	2015+25.85	RTE 366	RT								1.8		0.3		ISLAND REPLACEMENT
8	2015+31.88	2015+67.09	RTE 366	LT								26.5		0.4		ISLAND REPLACEMENT
8	2015+78.73	2015+97.73	RTE 366	RT								12.4		0.2		ISLAND REPLACEMENT
9	4+20	8+50	S GEYER RD		1,841		150.3	148.8	276							
10	8+50	11+79	S GEYER RD		1,684		137.5	136.1	253							
11	16+38	18+50	S GEYER RD		1,359		111.0	109.8	204							
12	2018+50	2024+00	RTE 366		4,825		394.1	390.1	724							
13	2024+00	2028+50	RTE 366		3,448		281.6	278.7	517							
14	2028+50	2032+50	RTE 366		3,126		255.3	252.7	469							
14	2028+95.94	2029+23.39	RTE 366	RT								4.6		0.3		ISLAND REPLACEMENT
15	2032+50	2037+50	RTE 366		4,917		401.5	397.5	738							
15	2032+92.28	2033+19.36	RTE 366	RT								3.3		0.3		ISLAND REPLACEMENT
16	2037+50	2042+45	RTE 366		5,388		440.0	435.5	808							
16	505+33	506+03	RTE 366 WB ON RAMP	LT						25		24.6		0.7		PAVEMENT WIDENING
16	505+84	506+06	RTE 366 WB ON RAMP	RT						48		47.7		0.2		ISLAND REMOVAL
17	503+29	504+70	RTE 366 WB ON RAMP	LT	369		30.1	29.8	55							
17	704+00	705+80	RTE 366 WB OFF RAMP	LT	459		37.5	37.1	69							
18	603+00	605+00	RTE 366 EB OFF RAMP	RT	546		44.6	44.1	82							
18	801+96	805+00	RTE 366 EB ON RAMP	LT	833		68.0	67.3	125							
19	2044+00	2047+50	RTE 366		3,923		320.4	317.1	588							
20	2047+50	2053+00	RTE 366		3,840		313.6	310.4	576							
21	2053+00	2058+00	RTE 366		3,334		272.3	269.5	500							
22	2058+00	2063+50	RTE 366		3,674		300.0	296.9	551							
23	2063+50	2069+00	RTE 366		3,661		299.0	295.9	549							
23	4+47	4+70	WINDWARD RIDGE DR							119	118.7			0.8		
24	2069+00	2074+50	RTE 366		3,671		299.8	296.7	551							
24	4+36	4+70	STARLING DR							90	90.1			0.6		
25	2074+50	2079+50	RTE 366		3,676		300.2	297.1	551							
25	4+51	4+70	STURDY DR							82	81.8			0.5		
25	5+43	5+65	STURDY DR							101	100.8			0.6		
26	2079+50	2085+00	RTE 366		3,675		300.1	297.1	551							
27	2085+00	2090+00	RTE 366		3,336		272.4	269.6	500							
28	2090+00	2094+50	RTE 366		2,996		244.6	242.1	449							
29	2094+50	2100+00	RTE 366		4,561		372.5	368.7	684							
29	2098+76.86	2098+86.89	RTE 366	RT								1.3		1.6		ISLAND REPLACEMENT
29	4+35	4+58	GLENWOOD DR							262	262.0			1.6		
30	2100+00	2105+50	RTE 366		4,077		333.0	329.6	612							
31	2105+50	2111+00	RTE 366		7,439		607.5	601.3	1,116							
31	2108+77.72	2109+27.38	RTE 366	LT								0.7		1.6		ISLAND MODIFICATION
31	2109+34.22	2109+36.06	RTE 366	LT								0.5		1.6		CENTER MEDIAN MODIFICATION
31	2110+17.76	2110+23.04	RTE 366	LT								0.4		1.6		ISLAND MODIFICATION
32	2111+00	2115+00	RTE 366		3,339		272.7	269.9	501							
33	2115+00	2120+50	RTE 366		4,499		367.4	363.7	675							
34	2120+50	2126+00	RTE 366		4,534		370.3	366.5	680							
				SUBTOTAL 1	107,660	-	8,792.2	8,702.2	16,149	727	653.4	123.8	-	12.9	-	

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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
07/29/2024 6:15:15 PM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

SHEET 12 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

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CURB (1 OF 6)

SHEET NO.	FROM STATION	TO STATION	ROADWAY	LOCATION	CURB AND GUTTER TYPE B	INTEGRAL CURB (6 IN. HEIGHT AND UNDER) TYPE A	INTEGRAL CURB (OVER 6 IN. HEIGHT) TYPE A	CONCRETE CURB (6 IN. HEIGHT AND UNDER) TYPE S	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK)	CONCRETE GUTTER TYPE A	REMARKS
8	2014+36	2015+02	RTE 366	RT				122			
8	2014+88	2015+76	RTE 366	LT				125			
8	2015+73	2016+31	RTE 366	RT				109			
8	2016+27	2016+76	RTE 366	LT				87			
16	2038+30	2040+51	RTE 366	LT	222				74		
16	601+95	601+22	RTE 366 EB OFF RAMP	RT	26				9		
16	505+06	506+05	RTE 366 WB ON RAMP	LT	85				28		
16	504+95	505+40	RTE 366 WB ON RAMP				46				0.75' HEIGHT
16-17	503+65	504+69	RTE 366 WB ON RAMP	RT	104				35		VARIABLE HEIGHT CURB INCIDENTAL.
16	504+75	504+95	RTE 366 WB ON RAMP	RT	20				7		VARIABLE HEIGHT CURB INCIDENTAL.
16	504+95	506+13	RTE 366 WB ON RAMP	RT	128				43		
17	704+60	705+05	RTE 366 WB OFF RAMP	RT		44					
19	702+68	702+78	RTE 366 WB OFF RAMP	RT	10				3		
19	702+83	702+93	RTE 366 WB OFF RAMP	RT	10				3		
20	2052+21	2052+55	RTE 366	LT	34				11		
21	2053+01	2053+20	RTE 366	LT	19				6		
21	2053+20	2053+34	RTE 366	RT	13				4		
21	2054+02	2054+32	RTE 366	RT	30				10		
21	2057+59	2057+76	RTE 366	RT	17				6		
22	2058+94	2059+73	RTE 366	RT	79				26		
22	2061+03	2062+67	RTE 366	RT	164				55		
22-23	2063+15	2063+88	RTE 366	RT	73				24		
23	2064+36	2064+56	RTE 366	RT	19				6		
23	2064+92	2065+36	RTE 366	LT	44				15		
23	2065+16	2065+24	RTE 366	RT	8				3		
23	2066+29	2066+52	RTE 366	LT	22				7		
24	2069+90	2070+74	RTE 366	RT	84				28		
24	2071+60	2071+84	RTE 366	LT	24				8		
24	2072+52	2073+01	RTE 366	LT	48				16		
24	2074+08	2074+47	RTE 366	LT	39				13		
25	2077+05	2077+26	RTE 366	RT				33			
25	2077+08	2077+22	RTE 366	LT				25			
25	2077+55	2077+62	RTE 366	LT				17			
25	2077+64	2077+83	RTE 366	RT				43			
26	2081+31	2081+50	RTE 366	LT	19				6		
28	2092+45	2092+60	RTE 366	RT			20				0.9' HEIGHT
28	2092+98	2093+15	RTE 366	RT			16				0.9' HEIGHT
29	2096+42	2098+37	RTE 366	LT	204				68		
29	2097+79	2098+58	RTE 366	RT	93				31		
29	2099+19	2099+64	RTE 366	RT	88				29		
29	2099+28	2099+61	RTE 366	RT						59	
30	2100+35	2100+78	RTE 366	RT	42				14		
31	2108+60	2108+66	RTE 366	LT	15				5		
31-32	2110+71	2111+03	RTE 366	RT	61				20		
32	2111+03	2111+15	RTE 366	RT				29			
32	2111+58	2111+73	RTE 366	RT	15				5		
				SUBTOTAL 1	1,859	**44**	**82**	**590**	**618**	**59**	

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BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

QUANTITIES

ROUTE 366
WATSON ROAD

DRIVEWAYS (1 OF 4)

SHEET NO.	CENTER-LINE STATION	ROADWAY	LOCATION	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK) (SQYD)	PAVED APPROACH, 7 IN., HIGH EARLY STRENGTH (SQYD)	PAVED APPROACH, 8 IN. (SQYD)	LINEAR GRADING CLASS 2, MODIFIED (STA)	TYPE 1 AGGREGATE FOR BASE (8 IN. THICK) (SQYD)	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1) (TONS)	CONCRETE CURB (6 IN. HEIGHT AND UNDER) TYPE S (LF)	REMARKS
14	2029+09	RTE 366	RT	211		210.5	0.3				
15	2035+59	RTE 366	LT	107		106.7	0.4				
16	2037+99	RTE 366	LT	149		148.8	0.3				
20	2048+51	RTE 366	LT	101		101.4	0.3				
20	2049+06	RTE 366	RT	115		114.9	0.5				
20	2049+54	RTE 366	LT	95		94.5	0.2				
20	2051+90	RTE 366	LT	88		88.1	0.4				
20	2052+75	RTE 366	LT	97		96.9	0.3				
21	2053+45	RTE 366	LT	86		85.5	0.3				
21	2053+68	RTE 366	RT	85		85.1	0.5				
21	2054+01	RTE 366	LT	74		74.0	0.3				
21	2054+66	RTE 366	RT	76		76.1	0.5				
21	2055+23	RTE 366	LT	100		99.9	0.4				
21	2055+26	RTE 366	RT	110		110.4	0.5				
21	2056+92	RTE 366	LT	101		100.7	0.4				
21	2057+60	RTE 366	LT	70		69.9	0.3				
22	2058+62	RTE 366	LT	70		70.1	0.3				
22	2059+73	RTE 366	LT	92		92.3	0.3				
22	2060+81	RTE 366	RT	61		60.5	0.3				
22	2061+37	RTE 366	LT	69		68.7	0.3				
22	2062+01	RTE 366	LT	106		106.1	0.5				
22	2062+91	RTE 366	RT	51		51.4	0.3				
23	2064+12	RTE 366	RT	81		80.8	0.4				
23	2064+86	RTE 366	RT	90		89.8	0.4				
23	2065+62	RTE 366	LT	76		75.6	0.3				
23	2066+10	RTE 366	LT	70		70.3	0.2				
23	2066+80	RTE 366	LT	96		95.5	0.4				
24	2069+35	RTE 366	LT	98		98.3	0.3				
24	2071+11	RTE 366	RT	105		105.4	0.4				
24	2072+23	RTE 366	LT	138		138.0	0.5			5	
24	2073+28	RTE 366	LT	95		95.1	0.4				
24	2073+80	RTE 366	LT	96		95.7	0.3				
25	2074+80	RTE 366	LT	148		147.7	0.3				
25	2075+20	RTE 366	RT	101		100.5	0.3				
26	2079+88	RTE 366	RT	80		80.0	0.3				
26	2080+20	RTE 366	LT	167		167.4	0.6				
26	2081+00	RTE 366	LT	96		96.0	0.3				
26	2081+67	RTE 366	RT	105		105.4	0.4				
26	2081+80	RTE 366	LT	88		87.6	0.3				
26	2083+52	RTE 366	LT	154		153.8	0.4				
26	2084+06	RTE 366	RT	99		99.4	0.4				
27	2087+69	RTE 366	LT	117		117.4	0.3				
27	2089+19	RTE 366	LT	141		140.5	0.3				
28	2090+60	RTE 366	LT	104		103.9	0.3				
28	2090+78	RTE 366	RT	107		106.8	0.3				
28	2091+54	RTE 366	RT	109		108.5	0.4				
28	2092+78	RTE 366	RT	148		148.3	0.4				
28	2093+21	RTE 366	RT	67		67.4	0.1				
29	2094+64	RTE 366	LT	49		48.8	0.2			20	
29	2095+47	RTE 366	LT	89		89.0	0.2			3	
29	2096+28	RTE 366	RT	52		51.8	0.3				
29	2096+86	RTE 366	RT	102		101.7	0.2				
29 - 30	2100+00	RTE 366	RT	507		507.4	0.6				
30	2101+04	RTE 366	RT	78		78.4	0.3				
30	2102+76	RTE 366	LT	194		194.3	0.3				
30	2103+43	RTE 366	RT	95		94.5	0.2				
32	2111+34	RTE 366	RT	59		59.1	0.4				
32	2112+00	RTE 366	RT	70		70.3	0.4				
32	2114+31	RTE 366	RT	98		98.3	0.3				
32 - 33	2115+17	RTE 366	RT	81		80.5	0.3				
33 - 34	2120+02	RTE 366	RT	250		249.9	0.4			3	
34	2125+15	RTE 366	RT	89		89.1	0.2				
			SUBTOTAL 1	6,703	-	6,700.7	**21.2**	-	-	**31**	

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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
07/29/2024 6:15:41 PM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr., Ste 300
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636.240.2444
www.gbateam.com
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

QUANTITIES

ROUTE 366
WATSON ROAD

c:*bms*gba-pw-01*brian kierath*dms04525*003_QU_14_J6S3582_DRIVEWAYS_1.dgn 7/26/2024

SIDEWALK (1 OF 6)

SHEET NO.	FROM STATION	TO STATION	ROADWAY	LOCATION	TRUNCATED DOMES	ADA CURB RAMP						CONCRETE SIDEWALK, 4 IN.	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK)	LINEAR GRADING CLASS 2, MODIFIED	REMARKS
					(SQFT)	(EACH)						(SQYD)	(SQYD)	(STA)	
						COMPOUND PERPENDICULAR	TYPE 1 PARALLEL	TYPE 2 PARALLEL	SMALL RADIUS PERPENDICULAR	LARGE RADIUS PERPENDICULAR	DUAL PERPENDICULAR				
12 - 14	2023+44	2028+78	RTE 366	RT	18					1		298.7	299	5.4	
14 - 15	2029+41	2032+93	RTE 366	RT	33		1			1		213.2	213	3.5	
15	2032+68	2033+19	RTE 366	LT	10				1			26.7	27	0.6	
15	2033+91	2035+41	RTE 366	LT	20				1		2	64.3	64	1.6	
15 -16, 18	2034+09	605+00	RTE 366 & RTE 366 EB OFF RAMP	RT	24		2					638.6	639	9.5	
16	2035+80	2037+81	RTE 366	LT					2			99.9	100	2.0	
16 - 17	503+24	504+95	WATSON & RTE 366 WB ON RAMP	LT / RT								91.3	17	0.0	VARIABLE DEPTH SIDEWALK INCIDENTAL.
16	2038+15	504+95	RTE 366 & RTE 366 WB ON RAMP	LT / RT	10		1		1			206.6	207	3.9	
17, 19 - 20	706+48	2048+31	RTE 366 WB OFF RAMP & RTE 366	LT	10		1			1		388.9	389	5.8	
19	2045+76	2046+04	RTE 366	RT	10		1							0.3	
20	2048+47	2048+77	RTE 366	RT						1		8.9	9	0.2	
20	2048+68	2049+40	RTE 366	LT						2		18.8	19	0.8	
20	2049+34	2049+52	RTE 366	RT						2				0.2	
20	2049+65	2049+96	RTE 366	LT					1			8.6	9	0.2	
20	2049+86	2050+84	RTE 366	RT						2		45.2	45	0.9	BUS STOP
20	2050+20	2050+27	RTE 366	LT								6.2	6	0.1	BUS STOP
20	2050+53	2050+85	RTE 366	LT					1			9.1	9	0.3	
20	2051+17	2051+68	RTE 366	LT					1	1		22.3	22	0.4	
20	2051+82	2052+82	RTE 366	RT					1	1		46.1	46	0.9	
20	2052+12	2052+60	RTE 366	LT					1	1		9.5	10	0.3	
20 - 21	2052+91	2053+29	RTE 366	LT						2				0.2	
21	2053+15	2053+42	RTE 366	RT					1	1				0.1	
21	2053+62	2053+84	RTE 366	LT						2				0.2	
21	2053+95	2054+40	RTE 366	RT						2		6.7	7	0.3	
21	2054+19	2054+99	RTE 366	LT						2		28.1	28	0.6	
21	2055+47	2056+69	RTE 366	LT						2		55.6	56	1.0	
21	2055+53	2055+72	RTE 366	RT						1				0.1	
21	2057+11	2057+45	RTE 366	LT						2				0.3	
21 - 22	2057+76	2058+46	RTE 366	LT						2		25.2	25	0.6	
22	2058+77	2059+59	RTE 366	LT						2		29.0	29	0.6	
22	2059+91	2065+15	RTE 366	LT					1	1				0.2	
22	2060+14	2060+65	RTE 366	RT						2		12.6	13	0.5	
22	2060+48	2061+20	RTE 366	LT						2		24.5	25	0.7	
22	2060+97	2062+75	RTE 366	RT						2		97.5	98	1.8	BUS STOP
22	2061+53	2061+77	RTE 366	LT						2				0.2	
22 - 23	2062+27	2064+31	RTE 366	LT	29					2		108.6	109	2.0	BUS STOP
22 - 23	2063+10	2063+95	RTE 366	RT						2		35.2	35	0.9	
23	2064+29	2064+65	RTE 366	RT						2				0.4	
23	2064+79	2065+46	RTE 366	LT	26					2		16.0	16	0.7	
23	2065+07	2065+30	RTE 366	RT						2				0.2	
23	2065+77	2066+00	RTE 366	LT						2				0.2	
23	2066+20	2066+61	RTE 366	LT						2				0.4	
23	2066+97	2067+73	RTE 366	LT						2		31.9	32	0.8	BUS STOP
23	2068+03	2068+61	RTE 366	LT						2		17.8	18	0.6	
23 - 24	2068+90	2069+19	RTE 366	LT						2				0.3	
23 - 24	2068+95	2069+06	RTE 366	RT					1					0.1	
24	2069+35	2070+90	RTE 366	RT					2			101.0	101	1.5	BUS STOP
24	2069+51	2071+12	RTE 366	LT	23					2		96.9	97	1.6	
24	2071+32	2071+43	RTE 366	RT					1					0.1	
24	2071+48	2071+95	RTE 366	LT	10				2			13.4	13	0.4	
24	2072+47	2073+10	RTE 366	LT					2			24.0	24	0.6	
24	2073+04	2073+20	RTE 366	RT					1			3.6	4	0.2	
24	2073+44	2073+66	RTE 366	LT					2					0.2	
24	2073+60	2073+96	RTE 366	RT					1			14.3	14	0.4	
24	2073+95	2074+11	RTE 366	LT					1			2.6	3	0.2	
24 - 25	2074+49	2075+03	RTE 366	RT					1			24.9	25	0.5	
25	2074+52	2074+64	RTE 366	LT					1					0.1	
25	2074+96	2075+07	RTE 366	LT					1					0.1	
25	2075+37	2077+23	RTE 366	RT	10				2			106.7	107	2.1	
25	2077+10	2077+21	RTE 366	LT	10				1					0.1	
25 - 26	2077+56	2079+92	RTE 366	LT	10				2			143.9	144	2.6	BUS STOP
25 - 26	2077+64	2079+75	RTE 366	RT	24				1		2	127.3	127	2.5	BUS STOP
26	2080+01	2081+45	RTE 366	RT					2			66.4	66	1.4	
26	2080+49	2080+85	RTE 366	LT					2			7.0	7	0.3	
			RAMP SUBTOTAL 1			0	6	0	38	62	4				
			SUBTOTAL 1		**277**	**110**						**3,423.6**	**3,353**	**65.8**	

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BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
09/05/2024 6:45:31 PM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

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ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

SHEET 15 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

SIDEWALK (2 OF 6)

SHEET NO.	FROM STATION	TO STATION	ROADWAY	LOCATION	TRUNCATED DOMES	ADA CURB RAMP						CONCRETE SIDEWALK, 4 IN.	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK)	LINEAR GRADING CLASS 2, MODIFIED	REMARKS
					(SQFT)	(EACH)						(SQYD)	(SQYD)	(STA)	
						COMPOUND PERPENDICULAR	TYPE 1 PARALLEL	TYPE 2 PARALLEL	SMALL RADIUS PERPENDICULAR	LARGE RADIUS PERPENDICULAR	DUAL PERPENDICULAR				
26	2081+16	2081+65	RTE 366	LT					3			14.9	15	0.6	
26	2081+88	2083+86	RTE 366	RT					2			93.6	94	1.9	
26	2081+96	2082+06	RTE 366	LT					1					0.1	
26	2083+11	2083+31	RTE 366	LT					1			4.1	4	0.2	
26	2083+73	2083+97	RTE 366	LT					1			6.3	6	0.2	
26 - 27	2084+27	2085+52	RTE 366	RT					1			62.6	63	1.2	
27	2086+77	2086+92	RTE 366	LT								8.7	9	0.2	
27	2087+28	2087+52	RTE 366	LT					1			6.6	7	0.2	
27	2087+85	2088+06	RTE 366	LT					1			5.1	5	0.2	
27	2088+22	2089+04	RTE 366	LT					1			54.7	55	0.5	BUS STOP
27	2089+17	2089+28	RTE 366	RT					1					0.1	
27	2089+35	2089+47	RTE 366	LT					1					0.1	
27 - 28	2089+59	2090+60	RTE 366	RT					2			43.4	43	1.0	
28	2090+07	2090+45	RTE 366	LT					1			15.6	16	0.4	
28	2090+76	2091+11	RTE 366	LT					1			13.9	14	0.3	
28	2090+95	2091+35	RTE 366	RT					2			6.6	7	0.3	
28	2091+73	2092+62	RTE 366	RT					2			40.1	40	0.9	
28	2092+59	2092+84	RTE 366	LT								13.9	14	0.3	
28	2092+96	2093+16	RTE 366	RT					2					0.2	
28	2093+29	2093+39	RTE 366	RT					1					0.1	
28	2093+71	2093+91	RTE 366	RT					1			5.7	6	0.2	
29	2094+50	2094+92	RTE 366	LT	10				1			10.7	11	0.3	
29	2094+92	2095+12	RTE 366	RT					1			5.1	5	0.2	
29	2095+62	2098+34	RTE 366	LT	38					1	2	138.2	138	2.6	BUS STOP
29	2095+72	2095+82	RTE 366	RT								5.6	6	0.1	
29	2096+58	2096+71	RTE 366	RT					1					0.1	
29	2096+97	2097+37	RTE 366	RT					1			16.0	16	0.4	
29	2098+11	2098+67	RTE 366	RT	27				1	1		24.1	24	0.7	
29	2099+18	2099+47	RTE 366	LT	10				1			7.9	8	0.2	
29	2099+24	2099+69	RTE 366	RT	10				1	1		16.7	17	0.4	
30	2100+31	2100+43	RTE 366	LT								7.1	7	0.1	
30	2100+31	2100+87	RTE 366	RT						2		14.9	15	0.6	
30	2101+07	2101+12	RTE 366	LT								2.8	3	0.1	
30	2101+20	2103+32	RTE 366	RT					1	1		116.3	116	2.1	BUS STOP
30	2101+54	2101+59	RTE 366	LT								2.8	3	0.1	
30	2102+46	2102+57	RTE 366	LT					1					0.1	
30	2102+97	2103+07	RTE 366	LT					1					0.1	
30	2103+61	2104+15	RTE 366	RT					1	1		16.8	17	0.6	
31	2106+61	2106+83	RTE 366	LT								26.4	26	0.2	BUS STOP
31	2108+48	2108+62	RTE 366	LT	10	1								0.3	
31 - 32	2110+72	2111+15	RTE 366	RT	20		1		1			24.4	24	0.8	
32	2111+52	2111+78	RTE 366	RT	20				2			2.9	3	0.3	
32	2112+22	2114+11	RTE 366	RT	10				2			112.4	112	1.9	BUS STOP
32	2114+44	2115+00	RTE 366	RT					2			19.9	20	0.6	
33	2115+34	2116+18	RTE 366	RT					2			41.8	42	1.0	
33	2119+59	2119+76	RTE 366	RT	25					1		12.2	12	0.1	
33	2120+20	2120+44	RTE 366	RT	19					1		8.7	9	0.3	
34	2120+73	2121+61	RTE 366	RT	10				1			42.2	42	0.9	
34	2122+02	2122+23	RTE 366	RT	10				1			5.6	6	0.2	
34	2124+36	2124+53	RTE 366	RT	15					1		6.1	6	0.2	
34	2124+73	2124+97	RTE 366	RT	18					1		5.6	6	0.2	
			RAMP SUBTOTAL 2			1	1	0	48	11	2				
			SUBTOTAL 2		252	63						1,089.0	1,092	25.0	

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BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
07/29/2024 6:15:42 PM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
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BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

QUANTITIES

ROUTE 366
WATSON ROAD

c:*dms*gba-pw-01*brian kierath*dms04525*003_QU_16_J6S3582_SDWK_2.dgn 7/26/2024

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TEMPORARY EROSION CONTROL (1 OF 8)

EC SHEET NO. (X OF 18)	FROM STATION	TO STATION	ROADWAY	LOCATION	CURB INLET CHECK (EACH)	SEDIMENT REMOVAL (CUYD)	SILT FENCE (LF)	TYPE C BERM (LF)	REMARKS
1	21+01		S GEYER RD	LT	1	1.0			
2	2029+00		RTE 366	LT	1	1.0			
2	2029+74		RTE 366	RT	1	1.0			
2	2034+56		RTE 366	RT	1	1.0			
2	2035+43		RTE 366	LT	1	1.0			
2	2035+48		RTE 366	RT	1	1.0			
2	2036+37		RTE 366	LT	1	1.0			
2	2036+50		RTE 366	RT	1	1.0			
2	2023+30	2023+35	RTE 366	RT		1.1	111		
2	2024+83	2028+90	RTE 366	RT		4.2	421		
2	2029+35	2030+82	RTE 366	RT		1.6	164		
2	2031+80	2032+06	RTE 366	RT		0.3	26		
2	2032+58	2032+93	RTE 366	RT		0.4	41		
2	2033+97	2035+18	RTE 366	RT		1.3	127		
2	2034+09	2034+38	RTE 366	LT		0.3	30		
2	2035+40	2035+68	RTE 366	RT		0.3	28		
2	2035+75	2036+40	RTE 366	RT		0.7	66		
2	2035+79	2037+25	RTE 366	LT		1.5	146		
2	2036+70	2037+40	RTE 366	RT		0.7	69		
2	2037+37	2037+82	RTE 366	LT		0.5	46		
2	2038+16	2038+28	RTE 366	LT		0.1	12		
2	2038+69	2038+83	RTE 366	RT		0.1	14		
3	503+68		RTE 366 WB ON RAMP	RT	1	1.0			
3	504+78		RTE 366 WB ON RAMP	RT	1	1.0			
3	507+45		RTE 366 WB ON RAMP	LT	1	1.0			
3	604+06		RTE 366 EB OFF RAMP	RT	1	1.0			
3	605+05		RTE 366 EB OFF RAMP	RT	1	1.0			
3	701+11		RTE 366 WB OFF RAMP	RT	1	1.0			
3	702+02		RTE 366 WB OFF RAMP	RT	1	1.0			
3	704+05		RTE 366 WB OFF RAMP	RT	1	1.0			
3	705+33		RTE 366 WB OFF RAMP	RT	1	1.0			
3	807+56		RTE 366 EB ON RAMP	LT	1	1.0			
3	2048+79		RTE 366	LT	1	1.0			
3	505+83	505+69	RTE 366 WB ON RAMP	RT		0.4	42		
3	805+26	805+45	RTE 366 EB ON RAMP	LT		0.8	76		
3	2039+87	2040+23	RTE 366	LT		0.4	37		
3	2048+45	4048+78	RTE 366	RT		0.3	33		
3	2049+10	2049+49	RTE 366	LT		0.4	39		
4	2050+48		RTE 366	LT	1	1.0			
4	2051+37		RTE 366	LT	1	1.0			
4	2051+72		RTE 366	RT	1	1.0			
4	2051+75		RTE 366	LT	1	1.0			
4	2052+65		RTE 366	RT	1	1.0			
4	2053+03		RTE 366	LT	1	1.0			
4	2053+75		RTE 366	LT	1	1.0			
4	2054+05		RTE 366	RT	1	1.0			
4	2054+29		RTE 366	LT	1	1.0			
4	2054+84		RTE 366	LT	1	1.0			
4	2055+62		RTE 366	LT	1	1.0			
4	2055+65		RTE 366	RT	1	1.0			
4	2057+24		RTE 366	LT	1	1.0			
4	2060+03		RTE 366	LT	1	1.0			
4	2061+63		RTE 366	LT	1	1.0			
4	2062+65		RTE 366	RT	1	1.0			
4	2062+66		RTE 366	LT	1	1.0			
4	2063+81		RTE 366	RT	1	1.0			
4	2064+41		RTE 366	RT	1	1.0			
4	2065+19		RTE 366	RT	1	1.0			
4	2065+90		RTE 366	LT	1	1.0			
4	2066+22		RTE 366	RT	1	1.0			
4	2066+31		RTE 366	LT	1	1.0			
4	2066+49		RTE 366	LT	1	1.0			
4	2066+69		RTE 366	RT	1	1.0			
4	2067+10		RTE 366	LT	1	1.0			
4	2067+59		RTE 366	LT	1	1.0			
4	2067+76		RTE 366	LT	2	2.0			
4	2068+21		RTE 366	RT	1	1.0			
4	2068+45		RTE 366	LT	1	1.0			
4	2069+05		RTE 366	LT	1	1.0			
4	2052+77	2054+01	RTE 366	RT		1.2	124		
4	2058+93	2060+20	RTE 366	RT		1.3	127		
4	2062+17	2062+44	RTE 366	RT		0.3	27		
4	2063+06	2063+32	RTE 366	RT		0.3	26		
4	2063+80	2063+90	RTE 366	RT		0.1	10		
4	2065+08	2060+30	RTE 366	RT		0.2	22		
			SUBTOTAL 1		51	69.8	1,864	-	

TEMPORARY EROSION CONTROL (2 OF 8)

EC SHEET NO. (X OF 18)	FROM STATION	TO STATION	ROADWAY	LOCATION	CURB INLET CHECK (EACH)	SEDIMENT REMOVAL (CUYD)	SILT FENCE (LF)	TYPE C BERM (LF)	REMARKS
5	2070+55		RTE 366	LT	1	1.0			
5	2073+02		RTE 366	LT	1	1.0			
5	2074+11		RTE 366	LT	1	1.0			
5	2074+45		RTE 366	LT	1	1.0			
5	2074+86		RTE 366	RT	1	1.0			
5	2076+98		RTE 366	RT	1	1.0			
5	2077+06		RTE 366	LT	1	1.0			
5	2078+51		RTE 366	LT	1	1.0			
5	2079+74		RTE 366	LT	1	1.0			
5	2080+67		RTE 366	LT	1	1.0			
5	2081+29		RTE 366	RT	1	1.0			
5	2081+36		RTE 366	LT	1	1.0			
5	2082+08		RTE 366	LT	1	1.0			
5	2082+75		RTE 366	RT	1	1.0			
5	2082+95		RTE 366	LT	1	1.0			
5	2083+07		RTE 366	LT	1	1.0			
5	2083+64		RTE 366	RT	1	1.0			
5	2084+29		RTE 366	RT	1	1.0			
5	2084+35		RTE 366	RT	1	1.0			
5	2084+87		RTE 366	LT	1	1.0			
5	2085+16		RTE 366	RT	1	1.0			
5	2085+64		RTE 366	LT	1	1.0			
5	2086+14		RTE 366	RT	1	1.0			
5	2087+19		RTE 366	LT	1	1.0			
5	2087+59		RTE 366	LT	1	1.0			
5	2087+91		RTE 366	RT	1	1.0			
5	2088+59		RTE 366	LT	1	1.0			
5	2089+49		RTE 366	LT	1	1.0			
5	2071+32	2071+40	RTE 366	RT		0.1	8		
5	2073+01	2077+25	RTE 366	RT		4.3	434		
5	2077+61	2079+19	RTE 366	LT		1.6	158		
5	2077+65	2078+83	RTE 366	RT		1.3	128		
5	2079+09	2079+75	RTE 366	RT		0.7	66		
5	2080+66	2080+85	RTE 366	LT		0.2	19		
5	2080+67	2081+46	RTE 366	RT		0.8	79		
5	2081+17	2081+34	RTE 366	LT		0.2	17		
5	2081+87	2083+87	RTE 366	RT		2.0	202		
5	2084+25	2085+52	RTE 366	RT		1.3	129		
6	2091+36		RTE 366	RT	1	1.0			
6	2092+61		RTE 366	RT	1	1.0			
6	2092+94		RTE 366	LT	1	1.0			
6	2093+32		RTE 366	RT	1	1.0			
6	2094+22		RTE 366	RT	1	1.0			
6	2094+72		RTE 366	RT	1	1.0			
6	2095+08		RTE 366	RT	1	1.0			
6	2095+79		RTE 366	RT	1	1.0			
6	2096+32		RTE 366	LT	1	1.0			
6	2097+00		RTE 366	LT	1	1.0			
6	2097+21		RTE 366	LT	1	1.0			
6	2098+16		RTE 366	LT	1	1.0			
6	2100+37		RTE 366	RT	1	1.0			
6	2100+82		RTE 366	RT	1	1.0			
6	2101+69		RTE 366	LT	1	1.0			
6	2101+76		RTE 366	RT	1	1.0			
6	2102+30		RTE 366	LT	1	1.0			
6	2103+23		RTE 366	LT	1	1.0			
6	2104+61		RTE 366	LT	1	1.0			
6	2105+36		RTE 366	RT	1	1.0			
6	2105+63		RTE 366	LT	1	1.0			
6	2106+15		RTE 366	RT	1	1.0			
6	2106+72		RTE 366	RT	1	1.0			
			SUBTOTAL 2		51	63.5	1,240	-	

BRIAN D. KIERATH JR. NUMBER PE-2023008624
STATE OF MISSOURI PROFESSIONAL ENGINEER
07/30/2024 8:16:14 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED 7/26/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 3
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION | DATE | REV.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr., Ste 300
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GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SHEET 17 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

DISCLAIMER
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TEMPORARY EROSION CONTROL (3 OF 8)

EC SHEET NO. (X OF 18)	FROM STATION	TO STATION	ROADWAY	LOCATION	CURB INLET CHECK (EACH)	SEDIMENT REMOVAL (CUYD)	SILT FENCE (LF)	TYPE C BERM (LF)	REMARKS
6	2107+12		RTE 366	LT	1	1.0			
6	2107+82		RTE 366	RT	1	1.0			
6	2093+70	2093+93	RTE 366	RT		0.2	23		
6	2095+74	2096+11	RTE 366	RT		0.4	41		
6	2096+44	2096+70	RTE 366	RT		0.3	30		
6	2097+02	6+20	RTE 366 & GLENWOOD	RT/LT		2.0	198		
6	2100+66	2100+89	RTE 366	RT		0.5	46		
6	2101+20	2103+30	RTE 366	RT		2.1	213		
6	2103+55	2104+16	RTE 366	RT		0.6	61		
7	3+59		SAPPINGTON	LT	1	1.0			
7	3+62		SAPPINGTON	RT	1	1.0			
7	2111+59		RTE 366	RT	1	1.0			
7	2112+15		RTE 366	RT	1	1.0			
7	2112+89		RTE 366	RT	1	1.0			
7	2113+85		RTE 366	RT	1	1.0			
7	2114+85		RTE 366	RT	1	1.0			
7	2115+54		RTE 366	RT	1	1.0			
7	2116+68		RTE 366	LT	1	1.0			
7	2116+99		RTE 366	RT	1	1.0			
7	2120+02		RTE 366	RT	1	1.0			
7	2120+90		RTE 366	RT	1	1.0			
7	2121+43		RTE 366	RT	1	1.0			
7	2122+13		RTE 366	RT	1	1.0			
7	2108+35	2108+56	RTE 366	LT		0.6	57		
7	2110+74	2111+12	RTE 366	RT		0.7	72		
7	2111+53	2111+78	RTE 366	RT		0.3	25		
7	2119+50	2119+86	RTE 366	RT		0.4	41		
7	2120+19	2121+65	RTE 366	RT		1.8	181		
18	11+87		S GEYER RD	LT/RT	2	2.0			
18	18+89		S GEYER RD	LT	1	1.0			
4, 5	2068+96	2070+90	RTE 366	RT		2.0	195		
5, 6	2089+17	2090+15	RTE 366	RT		1.0	98		
			SUBTOTAL 3		19	31.9	1,281	-	

MEDIAN (1 OF 2)

SHEET NO.	FROM STATION	TO STATION	ROADWAY	LOCATION	INTERSECTION QUADRANT	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK)	6 IN. CONCRETE MEDIAN STRIP	CONCRETE SIDEWALK, 7 IN.	TRUNCATED DOMES	LINEAR GRADING CLASS 2, MODIFIED	18 IN. YELLOW ISLAND TUBULAR MARKER	18 IN. WHITE ISLAND TUBULAR MARKER	REMARKS
						(SQYD)	(SQYD)	(SQYD)	(SQFT)	(STA)	(EA)	(EA)	
8	2014+92,88	2015+25,85	RTE 366	RT	SW	60	57,8					3	ISLAND REPLACEMENT
8	2015+31,88	2015+67,09	RTE 366	LT	NW	93	66,8					3	ISLAND REPLACEMENT
8	2015+78,73	2015+97,73	RTE 366	RT	SE	34	22,1					3	ISLAND REPLACEMENT
8	2016+12,42	2016+43,53	RTE 366	LT	NE	41	40,7			0,3		3	ISLAND REPLACEMENT
14	2028+95,94	2029+23,39	RTE 366	RT		46	36,1	5,5	24			6	ISLAND REPLACEMENT
15	2032+92,28	2033+19,36	RTE 366	RT	SW	47	35,5	7,9	20			3	ISLAND REPLACEMENT
15	2033+49,15	2033+57,02	RTE 366	LT		8	3,1	4,4	20	0,1	1		ISLAND MODIFICATION
15	2033+71,56	2034+01,81	RTE 366	RT	SE	56	39,9	16,1	32	0,3		3	ISLAND REPLACEMENT
16	2040+70,62	2040+88,60	RTE 366			15		15,2	20	0,2			CENTER MEDIAN MODIFICATION
16	2040+76,39	2040+88,73	RTE 366	RT		26		25,8	20	0,1			ISLAND MODIFICATION
19	2045+86,82	2045+93,82	RTE 366			10		9,8	20	0,1			CENTER MEDIAN MODIFICATION
19	2045+88,90	2045+96,02	RTE 366	LT		8		7,9	20	0,1			ISLAND MODIFICATION
19	2045+93,82	2047+76,79	RTE 366			190				1,8	3		CENTER MEDIAN MODIFICATION
29	2095+12,56	2095+39,24	RTE 366	LT		34	23,8	10,5	30	0,3			ISLAND MODIFICATION
29	2098+18,84	2098+27,34	RTE 366	LT		7	2,8	4,6	20	0,1			CENTER MEDIAN MODIFICATION
29	2098+76,86	2098+86,89	RTE 366	RT		44	34,1	8,3	30		8		ISLAND REPLACEMENT
31	2108+77,72	2109+27,38	RTE 366	LT	NW	67	40,1	26,5	35			2	ISLAND MODIFICATION
31	2109+34,22	2109+36,06	RTE 366	LT		1	0,6						CENTER MEDIAN MODIFICATION
31	2109+67,31	2109+83,87	RTE 366	RT	SW	11	1,0	10,1	22	0,2			ISLAND MODIFICATION
31	2110+17,76	2110+23,04	RTE 366	LT	NE	2	2,0		10			2	ISLAND MODIFICATION
31	2110+54,45	2110+72,20	RTE 366	RT	SE	22	11,9	9,8	31	0,2		3	ISLAND REPLACEMENT
33	2120+02,65	2120+20,80	RTE 366	RT		31	24,7	5,9	26	0,2			ISLAND MODIFICATION
					SUBTOTAL 1	853	443.0	168.3	380	4.0	12	31	

DRAINAGE PIPES (1 OF 2)

SHEET NO.	CULVERT SECTION SHEET (X OF 9)	FROM STRUCT.	TO STRUCT.	12 IN. PIPE GROUP A (LF)	15 IN. PIPE GROUP A (LF)	18 IN. PIPE GROUP A (LF)	24 IN. PIPE GROUP A (LF)	30 IN. PIPE GROUP A (LF)	36 IN. PIPE GROUP A (LF)	PIPE COLLAR, TYPE C (EA)	15 IN. OR ALLOWED SUBSTITUTE GROUP A FLARED END SECTION (EA)	24 IN. OR ALLOWED SUBSTITUTE GROUP A FLARED END SECTION (EA)	36 IN. OR ALLOWED SUBSTITUTE GROUP A FLARED END SECTION (EA)	CLASS 3 EXCAVATION (CUYD)	GRANULAR BACKFILL* (CUYD)	REMARKS
16		MH-1	GI-2	16										5	(3)	
		SUBTOTAL 1		16										5	(3)	

*GRANULAR BACKFILL SHOWN FOR INFORMATION PURPOSES ONLY, NO DIRECT PAY

DRAINAGE STRUCTURES (1 OF 3)

STRUCT. ID.	SHEET NO.	CULVERT SECTION SHEET (x of 9)	STATION	ROAD WAY	LOCATION	TYPE	ACTUAL DEPTH	PRECAST CONCRETE DROP INLET 2 FT X 2 FT (FT)	SINGLE STREET INLET (FT)	CONVERT INLET TO MANHOLE (EA)	CONVERT GRATE INLET TO CURB INLET (EA)	SPECIAL STRUCTURE (FT)	SIDEWALK TRENCH DRAIN (EA)	PRECAST CONCRETE MANHOLE - 48 IN. (FT)	PRECAST CONCRETE MANHOLE - 60 IN. (FT)	PRECAST CONCRETE MANHOLE - 72 IN. (FT)	CURVED VANE GRATE AND FRAME (2 FT. X 2 FT . OR 600MM X 600MM) (EA)	MANHOLE FRAME AND COVER, TYPE 2 (EA)	CLASS 3 EXCAVATION (CUYD)	GRANULAR BACKFILL* (CUYD)	PIPE OPENINGS (NUMBER - SIZE)	REMARKS
1	16		2039+42,23	RTE 366	LT	MH	3,7			1									7	(5)	2 - 12"	CONVERT INLET TO MANHOLE
2	16		2039+42,75	RTE 366	LT	A 2 x 2	3,4	4											4	(2)	1 - 12"	
						SUBTOTAL 1		4		1									11	(7)		

*GRANULAR BACKFILL SHOWN FOR INFORMATION PURPOSES ONLY, NO DIRECT PAY

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
07/30/2024 8:28:32 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SHEET 18 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

REV.

FINAL SLOPE SURFACES (1 OF 6)

SHEET NO.	FROM STATION	TO STATION	BASELINE	LOCATION	TURF TYPE TALL FESCUE SODDING (SQYD)	LANDSCAPING RESTORATION (SQYD)	REMARKS
12 - 14	2023+29	2028+92	RTE 366	RT	339		
14 - 15	2029+28	2032+93	RTE 366	RT	108		
15	2032+68	2033+24	RTE 366	LT	55		
15	2033+85	2035+41	RTE 366	LT	350		
15 - 16, 18	2034+08	605+00	RTE 366 & RTE 366 EB OFF RAMP	RT	243		
15 - 16	2035+80	2037+81	RTE 366	LT	226		
16 - 17	2038+16	504+92	RTE 366 & RTE 366 WB ON RAMP	LT	783		
17, 19 - 20	706+48	700+46	RTE 366 WB OFF RAMP	RT	219		
19	2045+76	2046+04	RTE 366	RT	6		
20	2048+48	2048+78	RTE 366	RT	10		
20	2048+67	20+49	RTE 366	LT	24		
20	2049+33	2049+53	RTE 366	RT	6		
20	2049+64	2050+86	RTE 366	LT	10		
20	2049+85	2050+84	RTE 366	RT	18		
20	2051+17	2051+69	RTE 366	LT	31		
20	2051+82	2052+82	RTE 366	RT	29		
20	2052+11	2052+61	RTE 366	LT	22		
20 - 21	2052+90	2053+30	RTE 366	LT	20		
21	2053+15	2053+43	RTE 366	RT	11		
21	2053+60	2053+84	RTE 366	LT	15		
21	2053+94	2054+41	RTE 366	RT	15		
21	2054+16	2055+01	RTE 366	LT	38		
21	2055+45	2056+71	RTE 366	LT	45		
21	2055+52	2059+79	RTE 366	RT	7		
21	2057+10	2057+46	RTE 366	LT	14	5	
21 - 22	2057+75	2058+47	RTE 366	LT	70	9	
22	2058+77	2059+60	RTE 366	LT	63	14	
22	2059+89	2060+15	RTE 366	LT	6	3	
22	2060+14	2060+66	RTE 366	RT	19		
22	2060+47	2061+23	RTE 366	LT	26		
22	2060+96	2062+76	RTE 366	RT	70		
22	2061+52	2061+75	RTE 366	LT	7	7	
22 - 23	2062+24	2064+37	RTE 366	LT	79		
22 - 23	2063+06	2063+96	RTE 366	RT	21		
23	2064+28	2064+66	RTE 366	RT	28		
23	2064+73	2065+47	RTE 366	LT	40		
23	2065+07	2065+31	RTE 366	RT	3		
23	2065+77	2066+03	RTE 366	LT	34		
23	2066+19	2066+61	RTE 366	LT	38		
23	2066+96	2067+73	RTE 366	LT	73		
23	2068+03	2068+60	RTE 366	LT	18		
23 - 24	2068+91	2069+20	RTE 366	LT	16		
24	2069+36	2070+90	RTE 366	RT	268		
24	2069+50	2071+15	RTE 366	LT	304		
24	2071+32	2071+62	RTE 366	RT	4		
24	2071+45	2071+95	RTE 366	LT	130		
24	2072+47	2073+10	RTE 366	LT	102		
24	2073+02	2073+20	RTE 366	RT	5		
24	2073+44	2073+66	RTE 366	LT	43		
24	2073+61	2075+03	RTE 366	RT	63		
24 - 25	2073+95	2074+64	RTE 366	LT	60		
24 - 25	2074+44	2075+03	RTE 366	RT	109		
25	2074+96	2075+25	RTE 366	LT	17		
25	2075+37	2077+25	RTE 366	RT	256		
25	2075+65	2077+22	RTE 366	LT	24		
25 - 26	2077+56	2079+92	RTE 366	LT	381	14	
25 - 26	2077+64	2079+75	RTE 366	RT	308		
26	2080+01	2081+46	RTE 366	RT	168		
26	2080+48	2080+85	RTE 366	LT	37		
26	2081+16	2081+65	RTE 366	LT	59		
26	2081+87	2083+88	RTE 366	RT	235		
26	2082+57	2083+33	RTE 366	LT	17		
26	2083+72	2084+00	RTE 366	LT	34		
26 - 27	2084+25	2085+80	RTE 366	RT	165		
27	2086+75	2087+53	RTE 366	LT	84		
27	2087+84	2089+04	RTE 366	LT	131		
27 - 28	2089+35	2090+45	RTE 366	LT	103		
27 - 28	2089+59	2090+62	RTE 366	RT	192		
28	2090+75	2091+44	RTE 366	LT	106		
28	2090+93	2091+36	RTE 366	RT	67		
28	2091+72	2092+62	RTE 366	RT	97		
28	2092+58	2092+97	RTE 366	LT	75		
SUBTOTAL 1					6,899	52	

RETAINING WALL (1 OF 2)

SHEET NO.	FROM STATION	TO STATION	ROADWAY	LOCATION	MECHANICALLY STABALIZED EARTH WALL SYSTEMS	REMARKS
					(SQFT)	
29	5+91.28	2099+69.22	RTE 366 & GLENWOOD	RT	85	
				SUBTOTAL 1	85	

HAND-RAILING AND FENCE (1 OF 2)

SHEET NO.	FROM STATION	TO STATION	ROADWAY	LOCATION	SIDEWALK HAND-RAILING WITH BALUSTERS	CHAIN LINK FENCE (48 IN.)	REMARKS
					(LF)	(LF)	
29	5+75.29	2099+69.22	RTE 366 & GLENWOOD	RT	39		
				SUBTOTAL 1	39	-	

FINAL SLOPE SURFACES (2 OF 6)

SHEET NO.	FROM STATION	TO STATION	BASELINE	LOCATION	TURF TYPE TALL FESCUE SODDING (SQYD)	LANDSCAPING RESTORATION (SQYD)	REMARKS
28	2093+29	2093+91	RTE 366	RT	13		
28 - 29	2094+23	2095+07	RTE 366	LT	84		
29	2094+92	2095+82	RTE 366	RT	8		
29	2095+56	2098+37	RTE 366	LT	549		
29	2096+58	2096+76	RTE 366	RT	8		
29	2096+97	2097+37	RTE 366	RT	48		
29	2097+79	2098+72	RTE 366	RT	54		
29	2099+17	2099+69	RTE 366	RT	58		
29	2099+13	2099+49	RTE 366	LT	23		
30	2100+31	2100+46	RTE 366	LT	10		
30	2100+31	2100+89	RTE 366	RT	56		
30	2100+03	2100+18	RTE 366	LT	13		
30	2101+20	2103+32	RTE 366	RT	255		
30	2101+54	2101+60	RTE 366	LT	8		
30	2102+32	2102+61	RTE 366	LT	26		
30	2102+92	2103+22	RTE 366	LT	22		
30	2103+55	2104+15	RTE 366	RT	63		
31	2108+45	2108+67	RTE 366	LT	19		
31 - 32	2110+71	2111+08	RTE 366	RT	28		
32	2111+52	2111+78	RTE 366	RT	16		
32	2112+22	2114+13	RTE 366	RT	181		
32	2114+45	2115+00	RTE 366	RT	64		
33	2115+34	2116+18	RTE 366	RT	42		
33	2116+58	2119+86	RTE 366	RT	6		
33 - 34	2120+20	2121+61	RTE 366	RT	242		
34	2122+02	2122+24	RTE 366	RT	50		
34	2124+27	2124+63	RTE 366	RT	65		
34	2124+66	2127+73	RTE 366	RT	19		
SUBTOTAL 1					2,030	-	

GUARDRAIL AND CONCRETE BARRIER (1 OF 2)

SHEET NO.	FROM STATION	TO STATION	ROADWAY	LOCATION	MGS GUARDRAIL	MGS HEIGH AND BLOCK TRANSITION	MGS END ANCHOR	TYPE A CRASHWORTHY END TERMINAL (MASH)	SHAPING SLOPES, CLASS III MODIFIED MATERIAL REQUIREMENT
					(LF)	(EA)	(EA)	(EA)	(100 FT)
6 - 7	2006+60	2009+34	RTE 366	RT	275	2			2
9 - 10	6+50	2+60	S GEYER RD	RT	350			2	2
				SUBTOTAL 1	625	2	-	2	4

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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
08/01/2024 1:40:28 PM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED 7/26/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 3
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

QUANTITIES

ROUTE 366
WATSON ROAD

REV.

DISCLAIMER
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PAVEMENT MARKING QUANTITIES (1 OF 3)

PM SHEET (X OF 18)	BASELINE	FROM STATION	TO STATION	LOCATION	WATERBORNE PAVEMENT MARKING	HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT					PREFORMED THERMOPLASTIC									TEMPORARY PAVEMENT MARKING	4 IN TEMPORARY PAVEMENT MARKING PAINT	PAVEMENT MARKING REMOVAL	PAVEMENT MARKING REMOVAL (SYMBOLS)	REMARKS
					4 IN. WHITE WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS	4 IN. YELLOW HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS		6 IN. WHITE HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS			6 IN. YELLOW WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 6 IN. WHITE	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24 IN. WHITE	PREFORMED THERMOPLASTIC PAVEMENT MARKING, LEFT/RIGHT ARROW		PREFORMED THERMOPLASTIC PAVEMENT MARKING, STRAIGHT ARROW	PREFORMED THERMOPLASTIC PAVEMENT MARKING, COMBINATION STR/LT/RT	PREFORMED THERMOPLASTIC PAVEMENT MARKING, WORD (ONLY)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 30 IN WHITE MIDBLOCK (30" X 6')	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 12 IN WHITE, YIELD LINE TRIANGLES					
					SOLID (LF)	SOLID (LF)	INTER-MITTENT (LF)	SOLID (LF)	INTER-MITTENT (LF)	DOTTED (LF)	SOLID (LF)	DOTTED (LF)	(LF)	LT (EA)	RT (EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(LF)	(LF)	(EA)	
1	RTE 366	2002+00.00	2014+39.73	FROM PROJECT BEGIN TO US-44 RAMP END				2,249	541		1,295			3	3										
1	RTE 366	2+10.56	6+94.03	US-44 ON RAMP				440	120		531														
1	RTE 366	2014+39.73	2016+76.46	AT GEYER		340		2,116				29	130	3	1	1				29					
1-2	RTE 366	2016+76.46	2032+45.61	FROM GEYER TO SUNSET		2,910		4,550	697	110				3	5			2							
2	RTE 366	2032+45.61	2034+52.60	AT SUNSET		193		559					122	1	1				50						
2	RTE 366	2034+52.60	2038+82.47	FROM SUNSET TO LINDBERGH		861	92	1,092	281	14				2											
2-3	RTE 366	2038+82.47	2046+91.48	AT LINDBERGH		1,348		2,935	148				201	4	1				27						
3	RTE 366	503+29.22	509+49.81	RTE 366 WB ON RAMP				438			271			1	1										
3	RTE 366	600+00.00	605+00.00	RTE 366 EB OFF RAMP				807			323								5	9					
3	RTE 366	700+00.00	705+85.55	RTE 366 WB OFF RAMP				513			310								5	9					
3	RTE 366	801+96.93	808+71.96	RTE 366 EB ON RAMP				600			391			1	1										
3-5	RTE 366	2046+91.48	2076+97.63	FROM LINDBERGH TO STURDY		5,870	1,346	6,146	1,412	78			38	14	2										
5	RTE 366	2076+97.63	2077+94.90	AT STURDY		17		7					132						30						
5-6	RTE 366	2077+94.90	2097+78.60	FROM STURDY TO GLENWOOD		4,352	744	4,603	934	36				10											
6	RTE 366	2097+78.60	2099+64.18	AT GLENWOOD		177		495				32	155		1		1		52						
6-7	RTE 366	2099+64.18	2108+81.29	FROM GLENWOOD TO NEW SAPPINGTON		1,999		3,650	392	167				8	2										
7	RTE 366	2108+81.29	2111+15.06	AT NEW SAPPINGTON		395		1,555	39			113	164	2	1				78	37					
7	RTE 366	2111+15.06	2115+63.35	FROM SAPPINGTON TO OLD SAPPINGTON		899		2,022	139	32				5											
7	RTE 366	2115+63.35	2116+76.66	AT OLD SAPPINGTON		66		58					88	1			1		56						
7	RTE 366	2116+76.66	2126+00.00	FROM OLD SAPPINGTON TO PROJECT END		1,207		2,985	298	133				8					24						
18	GEYER	18+87.39	4+20.62	GEYER	3,110	3,218							26	2	2										
				SUBTOTAL 1	3,110	26,034		43,391			3,121	174	1,056	89		1	2	2	327	84	0	0	0	0	

LIGHTING (1 OF 2)

LIGHTING SHEET (X OF 17)	FROM STATION	TO STATION	ROADWAY	LOCATION	30 FT. TOP MOUNT LIGHT POLE	45 FT. TOP MOUNT LIGHT POLE	TOP MOUNTED LED-A LUMINAIRE	TOP MOUNTED LED-B LUMINAIRE	POLE FOUNDATION (30 FT. OR 9.0 M MOUNTING HEIGHT)	POLE FOUNDATION (45 FT. OR 13.2 M MOUNTING HEIGHT)	CONDUIT, 4 IN. RIGID, IN TRENCH	CONDUIT, 4 IN. RIGID, PUSHED	TRENCHING TYPE I	CABLE, 10 AWG 1 CONDUCTOR, POLE AND BRACKET	CABLE-CONDUIT, 1 IN., 2 CONDUCTORS AND 1 BARE NEUTRAL, 8 AWG	PULL BOX, PREFORMED CLASS 1	PULL BOX, PREFORMED CLASS 3	REMARKS
					(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(LF)	(LF)	(LF)	(LF)	(LF)	(EA)	(EA)	
2	2032+71		RTE 366	LT												1		PULL BOX A3
2	2032+73		RTE 366	RT												1		PULL BOX A1
2	2032+49		RTE 366	RT	1		1		1					66				LIGHT POLE A101
2	2033+42		RTE 366	RT												1		PULL BOX A2
2	2033+42		RTE 366	RT	1		2		1					128				LIGHT POLE A102
2	2032+75	2032+67	RTE 366	LT							12				18			P.S. TO PB A3
2	2032+67	2032+73	RTE 366	LT/RT								105			111			PULLBOX A3 TO PULLBOX A1
2	2032+73	2032+49	RTE 366	RT							24				30			PB A1 TO LIGHT POLE A101
2	2032+73	2033+42	RTE 366	RT								68			74			PULLBOX A1 TO PULLBOX A2
2	2033+42	2033+42	RTE 366	RT							5				10			PB A2 TO LIGHT POLE A102
2	2038+70	2039+60	RTE 366	RT					1		94							REL. MODOT POLE TO EX. MODOT POLE
7	2107+08	2108+54	RTE 366	LT							186							POLE #CW89 TO NEW LIGHT POLE
				SUBTOTAL 1	2	0	3	0	3	0	321	173	0	194	243	3	0	

SHEET 20 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
JASON LAWRENCE C. JARQUIO
NUMBER PE-2021011939
PROFESSIONAL ENGINEER
09/05/2024 5:09:58 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED 7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	3

COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
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ARCHITECT 000212
PRO. LAND SURVEYOR 000059

JASON L. JARQUIO
PROFESSIONAL ENGINEER
PE-2021011939

REV.

REMOVAL OF IMPROVEMENTS - 1 LUMP SUM (6 OF 16)

SHEET	ROADWAY	STATION (FROM)	STATION (TO)	LOCATION	LENGTH (FEET)	WIDTH (FEET)	AREA (SF)	AREA (SY)	EACH	DESCRIPTION OF REMOVAL
35	RTE 366	2126+60.93	2127+34.44	RT	74	VARIES	386.56	42.95		CONCRETE SIDEWALK
35	RTE 366	2126+99.74	2127+28.95	RT	29					CURB
35	RTE 366	2128+81.57	2129+39.57	RT	58	VARIES	638.98	71.00		PAVED APPROACH (INCLUDES ANY CURB)
35	RTE 366	2129+39.57	2129+49.57	RT	10					CURB AND GUTTER
35-36	RTE 366	2129+25.61	2130+95.18	RT	170	VARIES	827.87	91.99		CONCRETE SIDEWALK
36	RTE 366	2130+68.60	2130+78.56	RT	10					CURB AND GUTTER
36	RTE 366	2130+78.56	2131+31.16	RT	53	VARIES	516.18	57.35		PAVED APPROACH (INCLUDES ANY CURB)
36	RTE 366	2131+20.74	2131+41.82	RT	21	VARIES	94.43	10.49		LANDSCAPING
36	RTE 366	2131+20.85	2131+41.81	RT	21	VARIES	121.11	13.46		CONCRETE SIDEWALK
36	RTE 366	2131+31.16	2131+81.75	RT	51	VARIES	434.07	48.23		PAVED APPROACH (INCLUDES ANY CURB)
36	RTE 366	2131+67.14	2133+16.22	RT	149	VARIES	809.07	89.90		CONCRETE SIDEWALK
36	RTE 366	2131+81.73	2131+91.73	RT	10					CURB AND GUTTER
36	RTE 366	2132+94.33	2133+04.33	RT	10					CURB AND GUTTER
36	RTE 366	2133+04.31	2133+53.08	RT	49	VARIES	401.57	44.62		PAVED APPROACH (INCLUDES ANY CURB)
36	RTE 366	2133+43.59	2133+78.62	RT	35	VARIES	158.26	17.58		CONCRETE SIDEWALK
36	RTE 366	2133+53.08	2133+69.12	RT	16					CURB AND GUTTER
36	RTE 366	2133+69.12	2134+25.54	RT	56	VARIES	464.03	51.56		PAVED APPROACH (INCLUDES ANY CURB)
36	RTE 366	2134+25.53	2134+35.53	RT	10					CURB AND GUTTER
36	RTE 366	2134+47.38	2134+57.26	RT	10					CURB AND GUTTER
36	RTE 366	2134+99.19	2135+54.35	RT	55	VARIES	508.26	56.47		PAVED APPROACH (INCLUDES ANY CURB)
36-37	RTE 366	2134+16.29	2136+44.68	RT	228	VARIES	1089.87	121.10		CONCRETE SIDEWALK
37	RTE 366	2136+10.89	2136+20.89	RT	10					CURB
37	RTE 366	2136+20.89	2137+15.27	RT	94	VARIES	1645.40	182.82		PAVED APPROACH (INCLUDES ANY CURB AND MEDIAN)
37	RTE 366	2136+87.18	2138+15.78	RT	129	VARIES	676.84	75.20		CONCRETE SIDEWALK
37	RTE 366	2139+05.78	2140+13.75	RT	108	VARIES	591.91	65.77		CONCRETE SIDEWALK
37	RTE 366	2139+66.09	2140+99.07	LT	133	VARIES	649.97	72.22		CONCRETE SIDEWALK
37	RTE 366	2139+82.85	2139+99.62	RT	17					CURB AND GUTTER
37	RTE 366	2139+99.59	2140+55.03	RT	55	VARIES	681.84	75.76		PAVED APPROACH (INCLUDES ANY CURB)
37	RTE 366	2140+40.91	2141+26.84	RT	86	VARIES	495.43	55.05		CONCRETE SIDEWALK
37	RTE 366	2140+55.09	2140+77.88	RT	23					CURB AND GUTTER
37	RTE 366	2140+81.35	2140+91.35	LT	10					CURB AND GUTTER
37	RTE 366	2140+99.28	2141+06.99	RT	8					CURB AND GUTTER
37-38	RTE 366	2140+91.39	2141+57.42	LT	66	VARIES	701.12	77.90		PAVED APPROACH (INCLUDES ANY CURB)
37-38	RTE 366	2141+06.99	2141+74.66	RT	68	VARIES	994.07	110.45		PAVED APPROACH (INCLUDES ANY CURB)
37-38	RTE 366	2141+40.45	2143+56.63	LT	216	VARIES	1089.96	121.11		CONCRETE SIDEWALK
38	RTE 366	2141+74.66	2141+94.66	RT	20					CURB AND GUTTER
38	RTE 366	2141+86.38	2143+44.92	LT	159					CURB AND GUTTER
38	RTE 366	2143+44.95	2144+01.09	LT	56	VARIES	622.44	69.16		PAVED APPROACH (INCLUDES ANY CURB)
38	RTE 366	2143+85.70	2144+17.93	LT	32	VARIES	166.55	18.51		CONCRETE SIDEWALK
38	RTE 366	2144+01.14	2144+08.58	LT	8					CURB AND GUTTER
38	RTE 366	2144+08.61	2144+67.79	LT	59	VARIES	543.95	60.44		PAVED APPROACH (INCLUDES ANY CURB)
38	RTE 366	2144+57.94	2145+46.39	LT	88	VARIES	468.24	52.03		CONCRETE SIDEWALK
38	RTE 366	2144+67.77	2145+32.75	LT	65					CURB AND GUTTER
38	RTE 366	2144+95.72	2145+25.72	RT	30					CURB AND GUTTER
38	RTE 366	2144+63.19	2145+25.19	LT	62	4	290.94	32.33		MEDIAN
38	RTE 366	2145+25.78	2146+10.03	RT	84	VARIES	893.68	99.30		PAVED APPROACH (INCLUDES ANY CURB)
38	RTE 366	2145+27.56	2145+54.05	RT	26	VARIES	334.69	37.19		CONCRETE SIDEWALK
38	RTE 366	2145+32.71	2146+15.93	LT	83	VARIES	1249.06	138.78		PAVED APPROACH (INCLUDES ANY CURB)
38	RTE 366	2145+97.76	2146+87.38	LT	90	VARIES	548.38	60.93		ASPHALT SIDEWALK
38	RTE 366	2146+10.04	2146+58.74	RT	49					CURB AND GUTTER
38	RTE 366	2146+15.92	2146+26.91	LT	11					CURB AND GUTTER
38-39	RTE 366	2145+93.33	2147+62.03	RT	169	VARIES	1010.11	112.23		ASPHALT SIDEWALK
38-39	RTE 366	2146+77.82	2147+24.92	LT	47	VARIES	329.67	36.63		PAVED APPROACH (INCLUDES ANY CURB)
38-39	RTE 366	2146+11.20	2148+75.44	CT	264	VARIES	1390.83	154.54		MEDIAN

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/30/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/30/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

SHEET 21 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

REMOVAL OF IMPROVEMENTS - 1 LUMP SUM (7 OF 16)

SHEET	ROADWAY	STATION (FROM)	STATION (TO)	LOCATION	LENGTH (FEET)	WIDTH (FEET)	AREA (SF)	AREA (SY)	EACH	DESCRIPTION OF REMOVAL
39	RTE 366	2147+16.73	2147+83.23	LT	67	VARIES	441.58	49.06		ASPHALT SIDEWALK
39	RTE 366	2147+35.57	2147+71.22	RT	51					CURB AND GUTTER
39	RTE 366	2147+57.58	2147+67.58	LT	10					CURB AND GUTTER
39	RTE 366	2147+67.57	2148+40.08	LT	73	VARIES	826.48	91.83		PAVED APPROACH (INCLUDES ANY CURB)
39	RTE 366	2148+00.57	2148+24.59	RT	24	VARIES	147.74	16.42		ASPHALT SHOULDER
39	RTE 366	2148+01.03	2148+36.82	RT	61					CURB
39	RTE 366	2148+21.08	2148+92.52	RT	71	VARIES	964.17	107.13		PAVED APPROACH (INCLUDES ANY CURB)
39	RTE 366	2148+26.75	2149+19.03	LT	92	VARIES	452.01	50.22		CONCRETE SIDEWALK
39	RTE 366	2148+39.95	2148+49.96	LT	10					CURB AND GUTTER
39	RTE 366	2148+68.64	2149+24.91	RT	80					GUARDRAIL
39	RTE 366	2148+75.44	2149+25.81	LT	51					CURB AND GUTTER
39	RTE 366	2148+75.44	2149+25.81	CT	50	66	3355.58	372.84		ASPHALT PAVEMENT (INCLUDING MEDIAN)
39	RTE 366	2148+83.77	2149+25.81	RT	42	VARIES	374.61	41.62		ASPHALT SHOULDER
39	RTE 366	2149+22.87		LT						INLET
39	RTE 366	2149+22.87	2149+27.11	LT	6					PIPE
39	RTE 366	2148+97.11	2149+25.81	LT	29	VARIES	159.97	17.77		ASPHALT SHOULDER
39	RTE 366	2149+07.02		RT					1	TREE
39	RTE 366	2149+77.04	2151+05.47	LT	129					PIPE WITH FES
39	RTE 366	2149+77.04	2151+02.52	RT	125					PIPE WITH FES
39	RTE 366	2149+77.15		RT					1	TREE
39	RTE 366	2149+78.37	2150+45.65	LT	75					GUARDRAIL
39	RTE 366	2149+78.31	2150+10.39	LT	32	VARIES	272.92	30.32		ASPHALT SHOULDER
39	RTE 366	2149+78.31	2151+25.02	CT	147	66	9728.99	1081.00		ASPHALT PAVEMENT (INCLUDING MEDIAN)
39	RTE 366	2149+78.31	2150+36.67	RT	58	VARIES	635.42	70.60		ASPHALT SHOULDER
39	RTE 366	2150+04.48	2150+45.98	LT	42	VARIES	229.19	25.47		ASPHALT SIDEWALK
39	RTE 366	2150+10.22	2151+33.77	LT	124	VARIES	2898.75	322.08		PAVED APPROACH (INCLUDES ANY CURB)
39	RTE 366	2150+36.67	2150+90.59	RT	54	VARIES	640.58	71.18		PAVED APPROACH (INCLUDES ANY CURB)
39	RTE 366	2150+78.63	2151+45.75	RT	67	VARIES	338.22	37.58		CONCRETE SIDEWALK
39	RTE 366	2150+90.59	2151+25.63	RT	35					CURB
39	RTE 366	2150+90.59	2151+25.63	RT	35	11	398.45	44.27		CONCRETE SHOULDER
39	RTE 366	2151+25.63	2151+94.81	RT	69	VARIES	835.83	92.87		PAVED APPROACH (INCLUDES ANY CURB)
39-40	RTE 366	2151+75.91	2152+89.16	RT	113	VARIES	590.48	65.61		CONCRETE SIDEWALK
39-40	RTE 366	2151+25.02	2153+62.05	CT	237	VARIES	903.51	100.39		MEDIAN
39-40	RTE 366	2151+94.81	2152+89.10	RT	94	VARIES	520.54	57.84		ASPHALT SHOULDER
39-40	RTE 366	2151+94.81	2152+78.60	RT	84	VARIES	480.86	53.43		CONCRETE SHOULDER
40	RTE 366	2152+84.02	2153+35.07	RT	51	VARIES	559.64	62.18		PAVED APPROACH (INCLUDES ANY CURB)
40	RTE 366	2153+11.36	2153+25.81	LT	14	VARIES	67.04	7.45		CONCRETE SIDEWALK
40	RTE 366	2153+24.81	2153+97.12	RT	72	VARIES	389.94	43.33		CONCRETE SIDEWALK
40	RTE 366	2153+32.87	2153+95.50	LT	63	VARIES	308.42	34.27		ISLAND
40	RTE 366	2153+35.07	2153+66.56	RT	31					CURB AND GUTTER
40	RTE 366	2153+66.32	2154+86.68	RT	120	VARIES	1432.02	159.11		PAVED APPROACH (INCLUDES ANY CURB)
40	RTE 366	2154+29.06	2154+55.96	LT	27	VARIES	346.04	38.45		ISLAND
40	RTE 366	2154+67.54	2154+92.98	RT	25	VARIES	103.80	11.53		CONCRETE SIDEWALK
40	RTE 366	2154+69.42	2154+91.04	LT	22	VARIES	111.73	12.41		CONCRETE SIDEWALK
40	RTE 366	2154+86.73	2154+92.98	RT	6					CURB AND GUTTER
40	RTE 366	2154+94.19	2155+17.75	CT	24	VARIES	331.16	36.80		MEDIAN
40	RTE 366	2155+16.95	2157+13.86	RT	197	VARIES	917.46	101.94		ASPHALT SIDEWALK
40	RTE 366	2155+20.79	2156+59.89	LT	139	VARIES	630.26	70.03		ASPHALT SIDEWALK
40	RTE 366	2155+40.05	2155+80.61	RT	41	VARIES	90.63	10.07		LANDSCAPING
40	RTE 366	2156+35.73	2156+45.73	LT	10					CURB AND GUTTER
40	RTE 366	2156+45.74	2157+15.95	LT	70	VARIES	628.69	69.85		PAVED APPROACH (INCLUDES ANY CURB)
40	RTE 366	2156+94.82	2157+04.52	RT	10					CURB AND GUTTER
40	RTE 366	2157+15.95	2157+26.15	LT	10					CURB AND GUTTER
40-41	RTE 366	2157+01.37	2158+89.78	LT	188	VARIES	1031.88	114.65		ASPHALT SIDEWALK
40-41	RTE 366	2157+04.82	2157+66.93	RT	62	VARIES	676.69	75.19		PAVED APPROACH (INCLUDES ANY CURB)
41	RTE 366	2157+66.93	2157+82.55	RT	16					CURB AND GUTTER
41	RTE 366	2157+57.21	2157+82.55	RT	25	VARIES	134.66	14.96		CONCRETE SIDEWALK
41	RTE 366	2158+19.47	2158+92.14	LT	89					CURB AND GUTTER
41	RTE 366	2158+40.90	2159+27.01	RT	86	VARIES	603.38	67.04		ASPHALT SIDEWALK
41	RTE 366	2158+47.29	2158+57.31	RT	10					CURB AND GUTTER
41	RTE 366	2158+71.58	2158+86.38	LT	15	VARIES	194.40	21.60		ASPHALT SIDEWALK
41	RTE 366	2158+74.98	2158+93.34	CT	18	4	72.39	8.04		MEDIAN
41	RTE 366	2158+99.01	2159+13.13	LT	14	VARIES	128.46	14.27		ISLAND
41	RTE 366	2159+01.37	2159+23.33	RT	28					CURB AND GUTTER
41	RTE 366	2159+10.42		RT					1	MANHOLE TBR&R AT DISCRETION OF MSD FIELD INSPECTOR
41	RTE 366	2159+10.42	2159+14.11	RT	8					PIPE
41	RTE 366	2159+13.63	2159+33.48	RT	20	VARIES	162.00	18.00		ISLAND
41	RTE 366	2159+14.11		RT					1	INLET
41	GRANT	4+09.15	4+61.20	LT	52	4	195.51	21.72		MEDIAN
41	GRANT	5+60.02	6+10.36	RT	50	4	195.30	21.70		MEDIAN
41	RTE 366	2159+59.06	2159+72.73	LT	14	VARIES	96.96	10.77		ISLAND
41	RTE 366	2159+70.08	2161+97.21	LT	236					CURB AND GUTTER
41	RTE 366	2159+78.21	2159+95.82	RT	18	VARIES	185.86	20.65		ISLAND
41	RTE 366	2159+96.97	2160+14.09	CT	17	4	64.67	7.19		MEDIAN

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/30/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/30/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

SHEET 22 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

REMOVAL OF IMPROVEMENTS - 1 LUMP SUM (8 OF 16)

SHEET	ROADWAY	STATION (FROM)	STATION (TO)	LOCATION	LENGTH (FEET)	WIDTH (FEET)	AREA (SF)	AREA (SY)	EACH	DESCRIPTION OF REMOVAL
41	RTE 366	2160+01.78	2160+21.35	RT	30					CURB AND GUTTER
41	RTE 366	2160+04.51	2160+28.74	RT	24	VARIES	222.83	24.76		CONCRETE SIDEWALK
41	RTE 366	2161+56.63	2161+72.54	RT	16	VARIES	85.94	9.55		CONCRETE SIDEWALK
41	RTE 366	2161+56.67	2162+24.48	RT	68	VARIES	614.71	68.30		PAVED APPROACH (INCLUDES ANY CURB)
41-42	RTE 366	2162+24.48	2163+28.46	RT	104	VARIES	1586.62	176.29		PAVED APPROACH (INCLUDES ANY CURB)
41-42	RTE 366	2159+63.15	2163+42.89	LT	380	VARIES	2595.31	288.37		ASPHALT SIDEWALK
41-42	RTE 366	2162+14.59	2162+43.75	RT	29	VARIES	119.71	13.30		CONCRETE SIDEWALK
42	RTE 366	2163+00.18	2165+10.42	RT	210	VARIES	742.63	82.51		CONCRETE SIDEWALK
42	RTE 366	2163+22.13	2163+32.05	LT	10					CURB AND GUTTER
42	RTE 366	2163+28.42	2164+95.11	RT	167					CURB
42	RTE 366	2163+28.42	2164+95.11	RT	167	VARIES	1887.22	209.69		ASPHALT SHOULDER
42	RTE 366	2163+32.13	2163+90.93	LT	59	VARIES	774.28	86.03		PAVED APPROACH (INCLUDES ANY CURB)
42	RTE 366	2163+90.91	2164+00.92	LT	10					CURB AND GUTTER
42	RTE 366	2164+08.48		LT					1	BOULDER
42	RTE 366	2164+95.11	2166+40.62	RT	146	VARIES	2969.24	329.92		PAVED APPROACH (INCLUDES ANY CURB AND MEDIAN)
42	RTE 366	2165+06.77	2165+87.72	LT	81	VARIES	930.55	103.39		PAVED APPROACH (INCLUDES ANY CURB)
42	RTE 366	2165+88.22	2165+93.22	LT	5					CURB AND GUTTER
42	RTE 366	2166+09.18		LT					1	BOULDER
42-43	RTE 366	2166+01.85	2169+36.35	RT	335	VARIES	1187.86	131.98		CONCRETE SIDEWALK
42-43	RTE 366	2166+40.67	2169+16.10	RT	275					CURB AND GUTTER
43	RTE 366	2168+01.55	2168+11.46	LT	10					CURB AND GUTTER
43	RTE 366	2168+11.43	2168+66.99	LT	56	VARIES	778.39	86.49		PAVED APPROACH (INCLUDES ANY CURB)
43	RTE 366	2168+67.00	2168+76.91	LT	10					CURB AND GUTTER
43	RTE 366	2168+88.70	2168+98.61	LT	10					CURB AND GUTTER
43	RTE 366	2168+98.59	2169+55.59	LT	57	VARIES	656.06	72.90		PAVED APPROACH (INCLUDES ANY CURB)
43	RTE 366	2169+16.10	2169+93.11	RT	77	VARIES	688.60	76.51		PAVED APPROACH (INCLUDES ANY CURB)
43	RTE 366	2169+55.61	2169+65.52	LT	10					CURB AND GUTTER
43	RTE 366	2169+69.57		LT					1	TREES
43	RTE 366	2169+93.10	2170+80.70	RT	85					CURB AND GUTTER
43	RTE 366	2170+11.63		LT					1	TREES
43	RTE 366	2170+18.39	2170+38.53	LT	23					CURB AND GUTTER
43	RTE 366	2170+75.03	2170+95.04	LT	24					CURB AND GUTTER
43-44	RTE 366	2169+71.82	2172+61.23	RT	289	VARIES	1133.64	125.96		CONCRETE SIDEWALK
43-44	RTE 366	2170+79.37	2172+36.24	RT	157	VARIES	1404.32	156.04		ASPHALT SHOULDER
44	RTE 366	2172+36.24	2173+27.15	RT	91	VARIES	1209.40	134.38		PAVED APPROACH (INCLUDES ANY CURB)
44	RTE 366	2173+01.45	2175+41.44	RT	240	VARIES	964.67	107.19		CONCRETE SIDEWALK
44	RTE 366	2173+27.15	2175+36.66	RT	210	VARIES	1601.10	177.90		ASPHALT SHOULDER
44	RTE 366	2175+34.51	2175+39.62	RT	8					CURB AND GUTTER
44	RTE 366	2175+79.40	2176+33.68	RT	54	VARIES	285.85	31.76		CONCRETE SIDEWALK
44	RTE 366	2175+85.02	2175+94.93	LT	10					CURB AND GUTTER
44	RTE 366	2175+94.91	2176+55.83	LT	61	VARIES	711.58	79.06		PAVED APPROACH (INCLUDES ANY CURB)
44	RTE 366	2176+55.80	2176+65.71	LT	10					CURB AND GUTTER
44-45	RTE 366	2175+79.92	2180+40.35	RT	466					CURB AND GUTTER
44-45	RTE 366	2176+36.60	2177+13.74	RT	77	VARIES	109.17	12.13		VEGETATION
44-45	RTE 366	2176+83.80	2180+49.18	RT	365	VARIES	1605.20	178.36		ASPHALT SHOULDER
45	RTE 366	2177+63.50	2177+73.49	LT	10					CURB AND GUTTER
45	RTE 366	2177+73.49	2178+29.73	LT	56	VARIES	565.13	62.79		PAVED APPROACH (INCLUDES ANY CURB)
45	RTE 366	2178+29.73	2178+39.73	LT	10					CURB AND GUTTER
45	RTE 366	2178+54.49	2178+64.49	LT	10					CURB AND GUTTER
45	RTE 366	2178+64.49	2179+14.59	LT	50	VARIES	400.19	44.47		PAVED APPROACH (INCLUDES ANY CURB)
45	RTE 366	2179+14.57	2179+24.57	LT	10					CURB AND GUTTER
45	RTE 366	2179+55.95	2180+33.07	RT	77					FENCE
45	RTE 366	2180+19.24		LT					1	INLET
45	RTE 366	2180+17.43	2180+18.60	RT	12					DRAINAGE FLUME
45	RTE 366	2180+40.53	2180+81.53	RT	41	VARIES	388.13	43.13		PAVED APPROACH (INCLUDES ANY CURB)
45	RTE 366	2180+41.62	2180+51.62	LT	10					CURB AND GUTTER
45	RTE 366	2180+51.61	2181+00.18	LT	49	VARIES	386.29	42.92		PAVED APPROACH (INCLUDES ANY CURB)
45	RTE 366	2180+73.54	2180+92.80	RT	19	VARIES	104.64	11.63		BRICK SIDEWALK
45	RTE 366	2180+81.47	2180+85.40	RT	4					CURB AND GUTTER
45	RTE 366	2180+85.46	2181+23.53	RT	38	VARIES	343.00	38.11		PAVED APPROACH (INCLUDES ANY CURB)
45	RTE 366	2181+00.17	2181+10.17	LT	10					CURB AND GUTTER
45-46	RTE 366	2181+14.44	2181+42.55	RT	28	VARIES	157.38	17.49		ASPHALT SIDEWALK
45-46	RTE 366	2181+23.54	2181+33.54	RT	10					CURB AND GUTTER
46	RTE 366	2181+33.55	2181+93.34	RT	60	VARIES	739.93	82.21		PAVED APPROACH (INCLUDES ANY CURB)
46	RTE 366	2181+36.38	2181+55.97	LT	22					CURB AND GUTTER
46	RTE 366	2181+55.53	2182+04.06	LT	49	VARIES	354.61	39.40		PAVED APPROACH (INCLUDES ANY CURB)
46	RTE 366	2181+84.73	2182+42.96	RT	58	VARIES	354.62	39.40		ASPHALT SIDEWALK
46	RTE 366	2181+93.35	2182+35.66	RT	100					CURB AND GUTTER
46	RTE 366	2182+17.56	2182+79.37	LT	62	VARIES	195.28	21.70		ASPHALT PARKING LOT PAVEMENT
46	RTE 366	2182+35.66	2184+59.08	RT	223	VARIES	2294.31	254.92		ASPHALT PARKING LOT PAVEMENT
46	RTE 366	2183+51.94	2184+35.40	LT	83	VARIES	489.85	54.43		PAVED APPROACH (INCLUDES ANY CURB)
46	RTE 366	2184+57.66	2184+85.93	RT	29					CURB AND GUTTER
46	RTE 366	2184+58.21	2184+85.99	RT	28	VARIES	143.11	15.90		ASPHALT SIDEWALK
46	RTE 366	2185+37.67	2185+57.41	RT	23					CURB

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/30/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/30/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

SHEET 23 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

REMOVAL OF IMPROVEMENTS - 1 LUMP SUM (9 OF 16)

SHEET	ROADWAY	STATION (FROM)	STATION (TO)	LOCATION	LENGTH (FEET)	WIDTH (FEET)	AREA (SF)	AREA (SY)	EACH	DESCRIPTION OF REMOVAL
46-47	RTE 366	2181+46.40	2186+63.98	LT	518	VARIES	4817.73	535.30		ASPHALT SHOULDER
46-47	RTE 366	2185+38.31	2186+22.19	RT	84	VARIES	559.65	62.18		ASPHALT SIDEWALK
47	RTE 366	2185+98.11	2186+11.97	RT	18					CURB AND GUTTER
47	RTE 366	2186+78.16	2187+13.31	RT	35	VARIES	580.05	64.45		MISC. PAVEMENT
47	RTE 366	2187+01.79	2189+16.59	LT	215	VARIES	1502.48	166.94		ASPHALT SHOULDER
58	ELM	4+17.91	4+25.39	LT	7					CURB AND GUTTER
47	RTE 366	2187+14.57	2187+26.31	LT	12	VARIES	64.51	7.17		CONCRETE SIDEWALK
47	RTE 366	2187+11.83	2187+47.28	RT	35	VARIES	569.80	63.31		PAVED APPROACH (INCLUDES ANY CURB)
47	RTE 366	2187+11.83	2188+18.45	RT	107	VARIES	448.99	49.89		ASPHALT SHOULDER
47	RTE 366	2187+47.43	2187+74.51	RT	27					CURB
47	RTE 366	2187+54.39	2187+66.96	RT	13	11	135.00	15.00		CONCRETE SIDEWALK
47	RTE 366	2187+74.51	2188+31.05	RT	57	VARIES	533.60	59.29		PAVED APPROACH (INCLUDES ANY CURB)
47	RTE 366	2188+18.45	2188+59.35	RT	41	VARIES	239.78	26.64		CONCRETE SHOULDER
47	RTE 366	2188+28.94	2188+49.12	RT	20	VARIES	130.69	14.52		LANDSCAPING
47	RTE 366	2188+31.05	2188+49.77	RT	27					CURB
47	RTE 366	2188+48.39	2188+79.10	RT	31	VARIES	292.73	32.53		ASPHALT PARKING LOT PAVEMENT
47	RTE 366	2188+74.71	2189+92.76	LT	118	VARIES	1039.48	115.50		PAVED APPROACH (INCLUDES ANY CURB)
47	RTE 366	2188+79.10	2189+23.18	RT	60					CURB
47	RTE 366	2188+79.59	2189+22.43	RT	43	VARIES	193.40	21.49		LANDSCAPING
47	RTE 366	2189+21.58	2189+52.64	RT	31	VARIES	305.58			ASPHALT PARKING LOT PAVEMENT
47	RTE 366	2189+52.31	2189+75.02	RT	33					CURB
47	RTE 366	2189+53.03	2189+74.45	RT	21	VARIES	43.25	4.81		LANDSCAPING
47	RTE 366	2189+73.02	2190+08.02	RT	35	VARIES	243.84	27.09		ASPHALT PARKING LOT PAVEMENT
47	RTE 366	2189+90.35		LT					1	INLET TBR&R AT DISCRETION OF MSD FIELD INSPECTOR
47-48	RTE 366	2188+57.95	2192+02.33	RT	344	VARIES	2494.60	277.18		ASPHALT SHOULDER
47-48	RTE 366	2189+92.41	2190+91.60	LT	99	VARIES	910.84	101.20		CONCRETE SHOULDER
47-48	RTE 366	2190+04.48	2190+44.60	RT	46					CURB
48	RTE 366	2190+74.92	2190+94.50	RT	21					CURB
48	RTE 366	2190+91.14	2191+62.09	LT	71	VARIES	762.30	84.70		PAVED APPROACH (INCLUDES ANY CURB)
48	RTE 366	2190+94.50	2191+44.16	RT	50	VARIES	541.81	60.20		PAVED APPROACH (INCLUDES ANY CURB)
48	RTE 366	2191+34.59	2192+12.19	RT	78	VARIES	337.59	37.51		CONCRETE SIDEWALK
48	RTE 366	2191+44.16	2192+12.75	RT	73					CURB AND GUTTER
48	RTE 366	2191+52.07	2191+87.78	LT	36	VARIES	217.16	24.13		ASPHALT SIDEWALK
48	RTE 366	2191+62.14	2191+84.79	LT	23					CURB AND GUTTER
48	RTE 366	2192+31.95	2193+50.42	LT	118	VARIES	794.44	88.27		ASPHALT SIDEWALK
48	RTE 366	2192+34.25	2192+51.15	LT	18					CURB AND GUTTER
48	RTE 366	2192+42.77	2192+62.27	RT	23					CURB AND GUTTER
48	RTE 366	2192+42.83	2193+28.51	RT	86	VARIES	513.80	57.09		ASPHALT SIDEWALK
48	RTE 366	2192+42.83	2193+28.51	RT	86	VARIES	763.55	84.84		MISC. PAVEMENT
48	RTE 366	2193+10.14	2193+20.14	RT	10					CURB AND GUTTER
48	RTE 366	2193+20.14	2193+70.64	RT	51	VARIES	544.24	60.47		PAVED APPROACH (INCLUDES ANY CURB)
48	RTE 366	2193+31.01	2193+48.04	LT	18					CURB AND GUTTER
48	RTE 366	2193+70.64	2193+88.42	RT	18					CURB AND GUTTER
48	RTE 366	2193+61.05	2193+98.19	RT	37	VARIES	260.22	28.91		ASPHALT SIDEWALK
48	RTE 366	2193+61.05	2193+98.19	RT	37	VARIES	264.40	29.38		MISC. PAVEMENT
48	RTE 366	2193+62.87		RT					1	INLET
48	RTE 366	2193+62.87	2193+73.44	RT	10					PIPE
48	RTE 366	2193+88.43	2194+49.06	RT	61	VARIES	752.19	83.58		PAVED APPROACH (INCLUDES ANY CURB)
48	RTE 366	2193+95.09	2194+11.53	LT	16					CURB AND GUTTER
48	RTE 366	2194+39.59	2194+99.38	RT	60	VARIES	379.42	42.16		ASPHALT SIDEWALK
48	RTE 366	2194+39.59	2194+99.38	RT	60	VARIES	481.76	53.53		MISC. PAVEMENT
48	RTE 366	2194+49.07	2194+59.07	RT	10					CURB AND GUTTER
48	RTE 366	2194+79.78	2194+89.78	RT	10					CURB AND GUTTER
48	RTE 366	2194+89.79	2195+49.18	RT	59	VARIES	769.77	85.53		PAVED APPROACH (INCLUDES ANY CURB)
48-49	RTE 366	2193+91.98	2195+93.38	LT	201	VARIES	1280.80	142.31		ASPHALT SIDEWALK
48-49	RTE 366	2195+39.60	2195+65.69	RT	26	VARIES	158.55	17.62		ASPHALT SIDEWALK
48-49	RTE 366	2195+39.60	2195+65.69	RT	26	VARIES	237.37	26.37		MISC. PAVEMENT
48-49	RTE 366	2195+49.19	2195+56.24	RT	7					CURB AND GUTTER
49	RTE 366	2195+56.26	2195+95.41	RT	39	VARIES	544.83	60.54		PAVED APPROACH (INCLUDES ANY CURB)
49	RTE 366	2195+74.10	2195+84.10	LT	10					CURB AND GUTTER
49	RTE 366	2195+84.12	2196+31.40	LT	47	VARIES	425.98	47.33		PAVED APPROACH (INCLUDES ANY CURB)
49	RTE 366	2195+86.79	2197+53.07	RT	166	VARIES	910.98	101.22		ASPHALT SIDEWALK
49	RTE 366	2195+86.79	2197+53.07	RT	166	VARIES	1404.10	156.01		MISC. PAVEMENT
49	RTE 366	2195+95.43	2196+05.42	RT	10					CURB AND GUTTER
49	RTE 366	2196+23.48	2196+40.35	LT	17	VARIES	92.09	10.23		ASPHALT SIDEWALK
49	RTE 366	2196+31.39	2196+38.11	LT	7					CURB AND GUTTER
49	RTE 366	2196+70.50	2196+91.30	LT	21	VARIES	120.85	13.43		ASPHALT SIDEWALK
49	RTE 366	2196+76.77	2197+63.82	LT	87	VARIES	942.31	104.70		PAVED APPROACH (INCLUDES ANY CURB)
49	RTE 366	2197+35.74	2197+53.58	RT	23					CURB AND GUTTER
49	RTE 366	2197+51.42	2197+99.51	LT	48	VARIES	295.72	32.86		ASPHALT SIDEWALK
49	RTE 366	2197+79.93	2197+89.93	LT	10					CURB AND GUTTER
49	RTE 366	2197+83.96	2198+01.71	RT	25					CURB AND GUTTER
49	RTE 366	2197+84.08	2198+50.44	RT	66	VARIES	458.05	50.89		ASPHALT SIDEWALK
49	RTE 366	2197+84.08	2198+50.44	RT	66	VARIES	480.35	53.37		MISC. PAVEMENT

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/30/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/30/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

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SHEET 24 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

REMOVAL OF IMPROVEMENTS - 1 LUMP SUM (10 OF 16)

SHEET	ROADWAY	STATION (FROM)	STATION (TO)	LOCATION	LENGTH (FEET)	WIDTH (FEET)	AREA (SF)	AREA (SY)	EACH	DESCRIPTION OF REMOVAL
49	RTE 366	2197+89.93	2198+66.59	LT	77	VARIES	921.10	102.34		PAVED APPROACH (INCLUDES ANY CURB)
49	RTE 366	2198+31.98	2198+58.92	RT	34					CURB AND GUTTER
49	RTE 366	2198+57.22	2198+99.32	LT	42	VARIES	256.75	28.53		ASPHALT SIDEWALK
49	RTE 366	2198+66.59	2198+90.10	LT	24					CURB AND GUTTER
49	RTE 366	2198+90.11	2199+61.88	LT	72	VARIES	730.70	81.19		PAVED APPROACH (INCLUDES ANY CURB)
49	RTE 366	2199+07.47	2199+34.99	RT	34					CURB AND GUTTER
49	RTE 366	2199+20.13		RT					1	INLET
49	RTE 366	2199+20.13	2199+30.62	RT	12					PIPE
49	RTE 366	2199+23.43	2199+30.62	RT	8					PIPE
49	RTE 366	2199+30.62		RT					1	MANHOLE
49	RTE 366	2199+53.47	2200+14.98	LT	62	VARIES	391.26	43.47		ASPHALT SIDEWALK
49	RTE 366	2199+61.88	2199+71.88	LT	10					CURB AND GUTTER
49	RTE 366	2199+99.08	2200+86.28	LT	87	VARIES	857.53	95.28		PAVED APPROACH (INCLUDES ANY CURB)
49-50	RTE 366	2199+03.54	2203+30.16	RT	427	VARIES	2775.85	308.43		ASPHALT SIDEWALK
49-50	RTE 366	2200+65.38	2204+91.17	LT	426	VARIES	2593.51	288.17		ASPHALT SIDEWALK
50	RTE 366	2203+11.95	2203+30.22	RT	26					CURB AND GUTTER
50	RTE 366	2203+80.35	2203+99.35	RT	26					CURB AND GUTTER
50	RTE 366	2204+52.88	2204+83.89	LT	30					PIPE
50	RTE 366	2204+70.54		LT					1	INLET
50	RTE 366	2204+70.54	2204+83.89	LT	13					PIPE
50	RTE 366	2204+52.90	2204+93.23	LT	48					CURB AND GUTTER
50	RTE 366	2204+81.38	2204+83.89	LT	9					PIPE
50	RTE 366	2204+83.89		LT					1	MANHOLE
50	RTE 366	2204+83.89	0+01.00	LT	5					PIPE
50	RTE 366	2205+20.96	2205+24.59	LT	4	VARIES	28.64	3.18		ISLAND
50	RTE 366	2205+45.73	2205+72.18	LT	32					CURB AND GUTTER
50-51	RTE 366	2203+80.45	2206+65.01	RT	285	VARIES	1908.64	212.07		ASPHALT SIDEWALK
50-51	RTE 366	2205+48.42	2209+37.83	LT	389	VARIES	2299.88	255.54		ASPHALT SIDEWALK
50-51	RTE 366	2206+46.58	2206+65.10	RT	23					CURB AND GUTTER
51	RTE 366	2207+15.76	2207+33.26	RT	21					CURB AND GUTTER
51	RTE 366	2207+15.78	2209+48.44	RT	233	VARIES	1697.82	188.65		ASPHALT SIDEWALK
51	RTE 366	2207+86.34		LT					1	TREES
51	RTE 366	2208+21.39		LT					1	TREES
51	RTE 366	2208+46.46		LT					1	TREES
51	RTE 366	2209+07.16	2209+38.55	RT	37					CURB AND GUTTER
51	RTE 366	2209+33.62	2209+45.28	LT	23					CURB AND GUTTER
51	RTE 366	2209+89.25	2210+00.93	LT	24					CURB AND GUTTER
51	RTE 366	2209+92.59	2210+09.87	RT	22					CURB AND GUTTER
51	RTE 366	2209+84.97	2210+20.43	RT	35	VARIES	844.15	93.79		MISC. PAVEMENT
51	RTE 366	2210+09.85	2210+65.25	LT	55	VARIES	720.57	80.06		PAVED APPROACH (INCLUDES ANY CURB)
51	RTE 366	2210+11.79	2210+37.49	LT	27					CURB AND GUTTER
51	RTE 366	2210+54.24	2210+81.01	RT	27	VARIES	369.83	41.09		MISC. PAVEMENT
51	RTE 366	2210+65.22	2210+71.45	RT	6					CURB AND GUTTER
51	RTE 366	2210+71.45	2211+20.48	RT	49	VARIES	389.14	43.24		PAVED APPROACH (INCLUDES ANY CURB)
51	RTE 366	2211+12.16	2211+29.24	RT	17	VARIES	235.86	26.21		MISC. PAVEMENT
51	RTE 366	2211+20.48	2211+60.01	RT	40	VARIES	486.69	54.08		PAVED APPROACH (INCLUDES ANY CURB)
51	RTE 366	2211+60.01	2211+70.01	RT	10					CURB AND GUTTER
51-52	RTE 366	2209+91.90	2214+84.59	LT	493	VARIES	3030.28	336.70		ASPHALT SIDEWALK
51-52	RTE 366	2211+51.39	2213+19.20	RT	168	VARIES	861.07	95.67		ASPHALT SIDEWALK
51-52	RTE 366	2211+51.39	2213+19.20	RT	168	VARIES	1532.17	170.24		MISC. PAVEMENT
52	RTE 366	2212+87.28	2214+88.10	LT	201	VARIES	0.00	130.25		VEGETATION
52	RTE 366	2213+01.39	2213+19.93	RT	23					CURB AND GUTTER
52	RTE 366	2213+51.20	2213+69.71	RT	23					CURB AND GUTTER
52	RTE 366	2213+51.53	2214+41.41	RT	90	VARIES	496.79	55.20		ASPHALT SIDEWALK
52	RTE 366	2213+51.53	2214+41.41	RT	90	VARIES	804.95	89.44		MISC. PAVEMENT
52	RTE 366	2214+22.82	2214+42.25	RT	24					CURB AND GUTTER
52	RTE 366	2214+75.00	2215+12.28	LT	37	VARIES	359.38	39.93		PAVED APPROACH (INCLUDES ANY CURB)
52	RTE 366	2214+78.95	2214+88.62	RT	15					CURB AND GUTTER
52	RTE 366	2214+79.88	2214+97.45	RT	18	VARIES	240.85	26.76		MISC. PAVEMENT
52	RTE 366	2214+88.65	2215+40.50	RT	52	VARIES	461.09	51.23		PAVED APPROACH (INCLUDES ANY CURB)
52	RTE 366	2215+06.23	2215+71.21	LT	65	VARIES	382.49	42.50		ASPHALT SIDEWALK
52	RTE 366	2215+30.00	2215+51.36	RT	21	VARIES	431.35	47.93		MISC. PAVEMENT
52	RTE 366	2215+40.50	2216+22.52	RT	82	VARIES	799.51	88.83		PAVED APPROACH (INCLUDES ANY CURB)
52	RTE 366	2215+60.76	2215+99.63	LT	39	VARIES	434.18	48.24		PAVED APPROACH (INCLUDES ANY CURB)
52	RTE 366	2215+88.89	2216+22.16	LT	33	VARIES	173.75	19.31		ASPHALT SIDEWALK
52	RTE 366	2215+99.63	2216+10.40	LT	11					CURB AND GUTTER
52	RTE 366	2216+10.40	2216+46.62	LT	36	VARIES	400.46	44.50		PAVED APPROACH (INCLUDES ANY CURB)
52	RTE 366	2216+13.44	2216+50.24	RT	37	VARIES	515.54	57.28		MISC. PAVEMENT
52	RTE 366	2216+22.48	2216+51.58	RT	29					CURB AND GUTTER
52	RTE 366	2216+40.63	2216+73.33	LT	33	VARIES	148.72	16.52		ASPHALT SIDEWALK
52	RTE 366	2216+63.78	2217+00.09	LT	36	VARIES	435.40	48.38		PAVED APPROACH (INCLUDES ANY CURB)
52	RTE 366	2216+82.08	2216+90.26	RT	12					CURB AND GUTTER
52	RTE 366	2216+82.59	2217+00.34	RT	18	VARIES	133.00	14.78		MISC. PAVEMENT
52	RTE 366	2216+82.64	2217+00.02	RT	17					PAVER WALL

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PROFESSIONAL ENGINEER

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REV.

SHEET 25 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

REMOVAL OF IMPROVEMENTS - 1 LUMP SUM (11 OF 16)

SHEET	ROADWAY	STATION (FROM)	STATION (TO)	LOCATION	LENGTH (FEET)	WIDTH (FEET)	AREA (SF)	AREA (SY)	EACH	DESCRIPTION OF REMOVAL
52	RTE 366	2216+88.97	2217+24.89	LT	36	VARIES	192.75	21.42		ASPHALT SIDEWALK
52	RTE 366	2216+90.24	2217+41.38	RT	51	VARIES	468.81	52.09		PAVED APPROACH (INCLUDES ANY CURB)
52	RTE 366	2217+41.33	2217+47.89	RT	7					CURB AND GUTTER
52-53	RTE 366	2217+13.06	2217+52.03	LT	39	VARIES	414.25	46.03		PAVED APPROACH (INCLUDES ANY CURB)
52-53	RTE 366	2217+31.84	2217+58.33	RT	26	VARIES	364.75	40.53		MISC. PAVEMENT
52-53	RTE 366	2217+41.59	2218+27.35	LT	86	VARIES	458.35	50.93		ASPHALT SIDEWALK
52-53	RTE 366	2217+47.90	2218+00.77	RT	53	VARIES	477.05	53.01		PAVED APPROACH (INCLUDES ANY CURB)
53	RTE 366	2217+92.02	2218+36.50	RT	44	VARIES	252.11	28.01		ASPHALT SIDEWALK
53	RTE 366	2218+00.77	2218+26.60	RT	26					CURB AND GUTTER
53	RTE 366	2218+03.79	2218+88.78	LT	85	VARIES	1203.78	133.75		PAVED APPROACH (INCLUDES ANY CURB)
53	RTE 366	2218+26.60	2218+90.77	RT	64	VARIES	621.33	69.04		PAVED APPROACH (INCLUDES ANY CURB)
53	RTE 366	2218+75.12	2219+21.85	LT	47	VARIES	240.96	26.77		ASPHALT SIDEWALK
53	RTE 366	2218+79.71	2219+19.76	LT	40	VARIES	123.75	13.75		VEGETATION
53	RTE 366	2218+81.90	2221+00.67	RT	219	VARIES	1532.92	170.32		ASPHALT SIDEWALK
53	RTE 366	2218+90.78	2219+00.78	RT	10					CURB AND GUTTER
53	RTE 366	2219+13.87	2219+50.17	LT	36	VARIES	425.89	47.32		PAVED APPROACH (INCLUDES ANY CURB)
53	RTE 366	2219+41.73	2219+75.38	LT	34	VARIES	183.67	20.41		ASPHALT SIDEWALK
53	RTE 366	2219+48.10		LT					1	TREE
53	RTE 366	2219+66.87	2220+01.83	LT	35	VARIES	423.09	47.01		PAVED APPROACH (INCLUDES ANY CURB)
53	RTE 366	2219+72.20		LT					1	TREE
53	RTE 366	2219+89.68	2220+64.34	LT	75	VARIES	2781.72	309.08		VEGETATION
53	RTE 366	2219+93.45	2220+90.59	LT	97	VARIES	410.86	45.65		ASPHALT SIDEWALK
53	RTE 366	2220+54.46	2221+44.00	LT	90	VARIES	1963.94	218.22		PAVED APPROACH (INCLUDES ANY CURB)
53	RTE 366	2220+81.01	2220+91.01	RT	10					CURB AND GUTTER
53	RTE 366	2220+91.07	2221+36.19	RT	45	VARIES	387.03	43.00		PAVED APPROACH (INCLUDES ANY CURB)
53	RTE 366	2221+26.83	2221+62.30	RT	35	VARIES	162.82	18.09		ASPHALT SIDEWALK
53	RTE 366	2221+36.18	2221+52.95	RT	17					CURB AND GUTTER
53	RTE 366	2221+52.95	2222+07.55	RT	55	VARIES	489.65	54.41		PAVED APPROACH (INCLUDES ANY CURB)
53	RTE 366	2222+21.80		LT					1	TREE
53-55	RTE 366	2221+27.07	2230+70.48	LT	943	VARIES	5242.17	582.46		ASPHALT SIDEWALK
53-54	RTE 366	2221+99.05	2223+40.01	RT	141	VARIES	1076.89	119.65		ASPHALT SHOULDER
53-54	RTE366	2227+81.90	2230+46.63	LT	265	VARIES	1499.80	166.64		VEGETATION
54	RTE 366	2223+40.01	2226+86.17	RT	346	VARIES	1067.04	118.56		ASPHALT SHOULDER
54	RTE 366	2223+40.01	2225+37.44	RT	197	VARIES	2545.68	282.85		ASPHALT PARKING LOT PAVEMENT
54	RTE 366	2225+50.20	2226+91.13	RT	149					CURB
54	RTE 366	2227+18.62	2227+37.15	RT	26					CURB
54-55	RTE 366	2227+25.01	2230+40.81	RT	316	VARIES	2373.87	263.76		ASPHALT PARKING LOT PAVEMENT
55	RTE 366	2230+37.04	2230+51.32	RT	32					CURB
55	RTE 366	2230+80.82	2231+60.89	LT	80	VARIES	1190.16	132.24		PAVED APPROACH (INCLUDES ANY CURB)
55	RTE 366	2230+87.58	2231+40.53	RT	52					CURB
55	RTE 366	2231+60.89	2232+32.44	LT	72	VARIES	731.92	81.32		PAVED APPROACH (INCLUDES ANY CURB)
55	RTE 366	2232+32.44	2232+71.92	LT	39					CURB
55	RTE 366	2232+71.92	2233+38.94	LT	67	VARIES	271.13	30.13		PAVED APPROACH (INCLUDES ANY CURB)
55-56	RTE 366	2230+40.81	2234+57.12	RT	416	VARIES	2248.95	249.88		ASPHALT SHOULDER
55-56	RTE 366	2230+43.99	2234+57.11	RT	413	VARIES	4489.07	498.79		ASPHALT PARKING LOT PAVEMENT
55-57	RTE 367	2230+63.09	2238+10.60	LT	748	VARIES	4545.17	505.02		ASPHALT SHOULDER
56	RTE 366	2234+86.96	2235+74.30	LT	87	VARIES	640.81	71.20		PAVED APPROACH (INCLUDES ANY CURB)
56	RTE 366	2234+88.89		LT					1	INLET
56	RTE 366	2234+44.82	2236+37.25	RT	206					CURB
56	RTE 366	2236+18.26	2236+37.92	RT	20	VARIES	89.90	9.99		ASPHALT SHOULDER
56-57	RTE 366	2236+95.61	2238+36.92	RT	141	VARIES	791.88	87.99		CONCRETE SIDEWALK
57	RTE 366	2237+85.17	2238+15.15	LT	33					CURB AND GUTTER
57	RTE 366	2238+15.15	2238+42.83	LT	28	VARIES	284.93	31.66		PAVED APPROACH (INCLUDES ANY CURB)
57	RTE 366	2238+54.37		LT					2	BUSHES
57	RTE 366	2238+60.35	2238+82.96	LT	23	VARIES	364.83	40.54		PAVED APPROACH (INCLUDES ANY CURB)
57	RTE 366	2238+80.84	2239+01.12	LT	20	VARIES	317.86	35.32		LANDSCAPING
57	RTE 366	2239+31.82	2239+81.20	LT					8	TREES AND BUSHES
57	RTE 366	2239+71.98	2240+15.49	RT	48					CURB AND GUTTER
57	RTE 366	2240+20.07	2240+38.97	LT					6	TREES AND BUSHES
57-58	RTE 366	2238+75.13	2241+23.43	LT	248	VARIES	2378.47	264.27		LANDSCAPING
57-58	RTE 366	2239+72.44	2242+03.20	RT	231	VARIES	1953.35	217.04		CONCRETE SIDEWALK
58	RTE 366	2241+22.90	2241+60.49	LT	38					CURB
58	RTE 366	2241+51.33	2241+86.84	RT	36	VARIES	216.11	24.01		LANDSCAPING
58	RTE 366	2241+60.59	2242+63.37	LT	103	VARIES	641.67	71.30		CONCRETE SIDEWALK
58	RTE 366	2241+90.02	2242+03.93	RT	45					CURB
58	RTE 366	2242+07.63	2242+63.37	LT	57					CURB
58	RTE 366	2243+11.04	2243+31.12	RT	25					CURB
58	RTE 366	2243+31.00	2243+74.30	RT	43	VARIES	496.60	55.18		PAVED APPROACH (INCLUDES ANY CURB)
58	RTE 366	2243+62.52	2243+98.28	LT	36	VARIES	210.14	23.35		ISLAND
58	RTE 366	2243+66.84	2243+82.01	RT	15	VARIES	112.34	12.48		LANDSCAPING
58	RTE 366	2243+73.04		RT					4	BUSHES
58	RTE 366	2243+74.30	2244+06.94	RT	33	VARIES	197.53	21.95		PAVED APPROACH (INCLUDES ANY CURB)
58	RTE 366	2244+02.77	2244+31.37	RT	29	VARIES	90.14	10.02		CONCRETE SHOULDER
58	RTE 366	2244+13.66	2244+23.37	LT	26					CURB

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366	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

SHEET 26 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

REMOVAL OF IMPROVEMENTS - 1 LUMP SUM (12 OF 16)

SHEET	ROADWAY	STATION (FROM)	STATION (TO)	LOCATION	LENGTH (FEET)	WIDTH (FEET)	AREA (SF)	AREA (SY)	EACH	DESCRIPTION OF REMOVAL
58-59	LACLEDE STATION	5+01.61	6+51.22	LT	150	VARIES	904.58	100.51		CONCRETE SIDEWALK
58-60	RTE 366	2243+31.00	2246+61.10	RT	330	VARIES	1896.59	210.73		ASPHALT SHOULDER
58-60	RTE 366	2244+08.31	2246+65.22	RT	257	VARIES	1910.57	212.29		ASPHALT PARKING LOT PAVEMENT
58-60	RTE 366	2244+14.18	2245+91.43	LT	177	VARIES	1119.98	124.44		CONCRETE SIDEWALK
58-60	RTE 366	2245+71.17	2245+81.48	LT	10					CURB
59	LACLEDE STATION	6+96.94	7+22.53	LT	26	VARIES	155.54	17.28		CONCRETE SIDEWALK
59	LACLEDE STATION	6+32.51	6+51.77	LT	34					CURB
59	LACLEDE STATION	6+45.34	6+55.34	RT	10					CURB
59	LACLEDE STATION	6+55.34	7+17.94	RT	63	VARIES	585.82	65.09		PAVED APPROACH (INCLUDES ANY CURB)
59	LACLEDE STATION	7+01.77	7+21.64	LT	24					CURB
59	LACLEDE STATION	7+17.94	7+27.94	RT	10					CURB
59	LACLEDE STATION	7+03.18	7+22.34	RT	19	VARIES	45.08	5.01		LANDSCAPING
59	LACLEDE STATION	7+05.16	7+27.94	RT	23	VARIES	109.35	12.15		CONCRETE SIDEWALK
60	RTE 366	2245+81.48	2248+02.73	LT	221	VARIES	963.02	107.00		ASPHALT SHOULDER
60	RTE 366	2245+81.48	2246+44.89	LT	63	VARIES	395.06	43.90		PAVED APPROACH (INCLUDES ANY CURB)
60	RTE 366	2246+27.00	2246+45.94	LT	19	VARIES	89.03	9.89		CONCRETE SIDEWALK
60	RTE 366	2246+43.73	2247+95.81	LT	152	VARIES	1652.24	183.58		ASPHALT PARKING LOT PAVEMENT
60	RTE 366	2246+94.46	2249+66.56	RT	272	VARIES	1440.19	160.02		ASPHALT SHOULDER
60	RTE 366	2246+94.46	2247+06.99	RT	13					CURB
60	RTE 366	2247+06.99	2247+68.38	RT	61	VARIES	518.13	57.57		PAVED APPROACH (INCLUDES ANY CURB)
60	RTE 366	2247+68.38	2248+22.53	RT	54					CURB
60	RTE 366	2248+22.53	2248+79.03	RT	57	VARIES	375.82	41.76		PAVED APPROACH (INCLUDES ANY CURB)
60	RTE 366	2248+79.03	2248+87.91	RT	9					CURB
60	RTE 366	2248+87.91	2249+37.42	RT	50	VARIES	330.29	36.70		PAVED APPROACH (INCLUDES ANY CURB)
60	RTE 366	2249+37.42	2249+66.56	RT	35					CURB
60	RTE 366	2248+24.42		RT	5					PIPE
60	RTE 366	2249+41.31	2250+38.41	LT	5	VARIES	1059.41	117.71		ASPHALT SHOULDER
60	RTE 366	2249+96.09	2250+12.00	RT	16					CURB AND GUTTER
60	RTE 366	2250+02.59	2250+28.03	LT	25					CURB AND GUTTER
60	RTE 366	2250+28.03	2250+93.42	LT	65	VARIES	863.83	95.98		PAVED APPROACH (INCLUDES ANY CURB)
60-61	RTE 366	2249+90.59	2251+45.89	RT	155	VARIES	1644.85	182.76		ASPHALT PARKING LOT PAVEMENT
60-61	RTE 366	2250+69.94	2251+49.94	RT	80	VARIES	687.87	76.43		PAVED APPROACH (INCLUDES ANY CURB)
60-61	RTE 366	2250+84.16	2251+02.38	LT	18	VARIES	306.64	34.07		MISC. PAVEMENT
60-61	RTE 366	2250+93.42	2251+59.31	LT	66	VARIES	950.10	105.57		PAVED APPROACH (INCLUDES ANY CURB)
61	RTE 366	2251+44.31	2251+92.77	RT	48	VARIES	369.21	41.02		ASPHALT SHOULDER
61	RTE 366	2251+50.02	2251+82.58	RT	34					CURB AND GUTTER
61	RTE 366	2251+52.59	2251+64.89	LT	12	VARIES	158.89	17.65		MISC. PAVEMENT
61	RTE 366	2251+59.31	2252+07.26	LT	48	VARIES	591.59	65.73		PAVED APPROACH (INCLUDES ANY CURB)
61	RTE 366	2251+82.60	2252+51.51	RT	69	VARIES	946.50	105.17		PAVED APPROACH (INCLUDES ANY CURB)
61	RTE 366	2251+95.57	2252+19.63	LT	24	VARIES	313.07	34.79		MISC. PAVEMENT
61	RTE 366	2252+07.26	2252+69.96	LT	63	VARIES	758.62	84.29		PAVED APPROACH (INCLUDES ANY CURB)
61	RTE 366	2252+59.25	2252+81.52	LT	22	VARIES	282.15	31.35		MISC. PAVEMENT
61	RTE 366	2252+41.81	2252+65.32	RT	24	VARIES	312.47	34.72		MISC. PAVEMENT
61	RTE 366	2252+51.51	2253+05.95	RT	54	VARIES	421.42	46.82		PAVED APPROACH (INCLUDES ANY CURB)
61	RTE 366	2252+69.96	2253+33.47	LT	64	VARIES	753.30	83.70		PAVED APPROACH (INCLUDES ANY CURB)
61	RTE 366	2252+90.09	2254+62.79	RT	173	VARIES	1918.37	213.15		ASPHALT PARKING LOT PAVEMENT
61	RTE 366	2253+05.94	2253+20.81	RT	15					CURB AND GUTTER
61	RTE 366	2253+20.59	2253+37.41	LT	17	VARIES	210.46	23.38		MISC. PAVEMENT
61	RTE 366	2253+20.53	2256+07.27	RT	287	VARIES	149707.27	16634.14		ASPHALT SHOULDER
61	RTE 366	2253+33.46	2253+91.01	LT	58					CURB
61	RTE 366	2253+33.46	2254+41.18	LT	108	VARIES	1152.87	128.10		ASPHALT SHOULDER
61	RTE 366	2253+91.01	2254+45.81	LT	55	VARIES	324.96	36.11		PAVED APPROACH (INCLUDES ANY CURB)
61	RTE 366	2254+57.21	2255+11.42	RT	64					CURB
61	RTE 366	2254+45.75	2254+79.77	LT	34					CURB AND GUTTER
61	RTE 366	2254+79.84	2255+35.83	LT	56	VARIES	337.05	37.45		PAVED APPROACH (INCLUDES ANY CURB)
61	RTE 366	2255+35.94	2255+41.22	LT	5					CURB
61	RTE 366	2255+41.18	2256+24.54	LT	83	VARIES	1361.37	151.26		PAVED APPROACH (INCLUDES ANY CURB)
61	RTE 366	2255+91.53	2256+48.32	RT	57	VARIES	372.69	41.41		ASPHALT SIDEWALK
61-62	RTE 366	2256+24.27	2257+52.02	LT	128					CURB
61-62	RTE 366	2256+24.27	2258+18.66	LT	194	VARIES	1526.50	169.61		ASPHALT SHOULDER
61-62	RTE 366	2256+38.57	2256+75.37	RT	37	VARIES	330.37	36.71		PAVED APPROACH (INCLUDES ANY CURB)
62	RTE 366	2256+66.01	2257+31.45	RT	65	VARIES	373.55	41.51		ASPHALT SIDEWALK
62	RTE 366	2257+22.79	2257+68.44	RT	46	VARIES	470.14	52.24		PAVED APPROACH (INCLUDES ANY CURB)
62	RTE 366	2257+23.46		LT					1	TREE
62	RTE 366	2257+51.98	2258+18.66	LT	67	VARIES	411.58	45.73		PAVED APPROACH (INCLUDES ANY CURB)
62	RTE 366	2257+61.33	2257+75.73	RT	14	VARIES	91.65	10.18		MISC. PAVEMENT
62	RTE 366	2257+68.44	2258+11.31	RT	43	VARIES	404.49	44.94		PAVED APPROACH (INCLUDES ANY CURB)
62	RTE 366	2258+00.38	2258+23.15	RT	23	VARIES	166.65	18.52		MISC. PAVEMENT

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

09/06/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
9/5/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3582

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ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

SHEET 27 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

REMOVAL OF IMPROVEMENTS - 1 LUMP SUM (13 OF 16)

SHEET	ROADWAY	STATION (FROM)	STATION (TO)	LOCATION	LENGTH (FEET)	WIDTH (FEET)	AREA (SF)	AREA (SY)	EACH	DESCRIPTION OF REMOVAL
62	RTE 366	2258+11.31	2258+53.41	RT	42	VARIES	317.59	35.29		PAVED APPROACH (INCLUDES ANY CURB)
62	RTE 366	2258+18.67	2258+65.32	LT	47	VARIES	82.72	9.19		MISC. PAVEMENT
62	RTE 366	2258+41.49	2258+65.32	RT	24	VARIES	137.70	15.30		MISC. PAVEMENT
62	RTE 366	2258+53.41	2259+01.58	RT	48	VARIES	444.96	49.44		PAVED APPROACH (INCLUDES ANY CURB)
62	RTE 366	2258+92.45	2259+31.84	RT	39	VARIES	223.81	24.87		ASPHALT SIDEWALK
62	RTE 366	2258+99.93	2260+45.49	LT	146	VARIES	378.03	42.00		MISC. PAVEMENT
62	RTE 366	2259+01.58	2259+22.07	RT	20					CURB AND GUTTER
62	RTE 366	2259+22.12	2259+63.56	RT	41	VARIES	351.53	39.06		PAVED APPROACH (INCLUDES ANY CURB)
62	RTE 366	2259+40.50	2260+40.37	LT	100	VARIES	331.03	36.78		VEGETATION
62	RTE 366	2259+54.74	2260+43.71	RT	89	VARIES	435.16	48.35		ASPHALT SIDEWALK
62	RTE 366	2259+63.56	2259+92.83	RT	29					CURB AND GUTTER
62	RTE 366	2260+30.45		RT					1	INLET TBR&R AT DISCRETION OF MSD FIELD INSPECTOR
62	RTE 366	2260+18.06	2260+41.34	RT	23					CURB AND GUTTER
62-63	RTE 366	2260+79.73	2262+22.98	LT	143	VARIES	946.22	105.14		VEGETATION
62	RTE 366	2260+41.29	2261+18.05	RT	77	VARIES	2082.05	231.34		PAVED APPROACH (INCLUDES ANY CURB)
62	RTE 366	2261+14.86	2261+30.02	RT	15	VARIES	81.15	9.02		ASPHALT SIDEWALK
62	RTE 366	2261+18.05	2261+68.92	RT	51	VARIES	725.30	80.59		PAVED APPROACH (INCLUDES ANY CURB)
62-63	RTE 366	2261+41.38	2263+63.39	LT	222	VARIES	576.75	64.08		MISC. PAVEMENT
62-63	RTE 366	2261+61.23	2264+24.95	RT	264	VARIES	1259.65	139.96		ASPHALT SIDEWALK
62-63	RTE 366	2261+68.91	2262+42.46	RT	74					CURB AND GUTTER
63	RTE 366	2262+56.14	2262+87.27	LT	31	VARIES	50.35	5.59		VEGETATION
63	RTE 366	2263+24.28	2263+49.28	RT	25					CURB AND GUTTER
63	RTE 366	2263+25.00	2263+74.92	LT	50	VARIES	262.24	29.14		VEGETATION
63	RTE 366	2263+29.20	2263+44.17	LT	15			8.00		CURB AND GUTTER
63	RTE 366	2263+93.43	2264+19.73	RT	26	VARIES	105.21	11.69		VEGETATION
63	RTE 366	2264+15.30	2264+95.22	RT	80	VARIES	1328.36	147.60		PAVED APPROACH (INCLUDES ANY CURB)
63	RTE 366	2264+84.46	2265+49.35	RT	65	VARIES	871.67	96.85		MISC. PAVEMENT
63	RTE 366	2265+39.64	2265+99.39	RT	60	VARIES	1103.03	122.56		PAVED APPROACH (INCLUDES ANY CURB)
63	RTE 366	2265+89.00	2266+32.18	RT	43	VARIES	229.88	25.54		MISC. PAVEMENT
63	RTE 366	2265+99.40	2266+22.78	RT	23					CURB AND GUTTER
63	RTE 366	2266+22.78	2266+97.27	RT	74	VARIES	935.27	103.92		PAVED APPROACH (INCLUDES ANY CURB)
63	RTE 366	2266+89.69		RT					1	INLET
63	RTE 366	2266+91.60	2267+04.05	RT	12	VARIES	59.55	6.62		MISC. PAVEMENT
63	RTE 366	2266+97.27	2267+46.94	RT	50	VARIES	578.59	64.29		PAVED APPROACH (INCLUDES ANY CURB)
63-64	RTE 366	2267+46.83	2268+86.71	RT	140					CURB
63-68	RTE 366	2267+46.94	2290+73.75	RT	2327	VARIES	11725.87	1302.87		ASPHALT SHOULDER
64	RTE 366	2269+42.38	2269+87.36	RT	45	VARIES	372.77	41.42		PAVED APPROACH (INCLUDES ANY CURB)
64	RTE 366	2269+39.16		RT					1	INLET
64	RTE 366	2269+39.16	2269+45.47	RT	8					PIPE
64	RTE 366	2269+45.47		RT					1	MANHOLE
64	RTE 366	2269+87.19	2270+57.40	RT	70					CONCRETE BARRIER
64	RTE 366	2269+89.98		RT					1	INLET
64	RTE 366	2271+28.96	2271+46.79	RT	18	VARIES	172.84	19.20		ASPHALT PARKING LOT PAVEMENT
65	RTE 366	2272+24.96	2272+52.67	RT	28	VARIES	36.64	4.07		VEGETATION
65	RTE 366	2273+38.88	2276+36.84	RT	298	VARIES	478.28	53.14		ASPHALT PARKING LOT PAVEMENT
65	RTE 366	2276+34.12	2276+71.63	RT	38	VARIES	477.05	53.01		PAVED APPROACH (INCLUDES ANY CURB)
65-66	RTE 366	2276+84.41	2277+24.07	RT	40					CURB
66	RTE 366	2277+23.03		RT					1	BUSH
66	RTE 366	2277+23.97	2277+87.65	RT	64	VARIES	484.46	53.83		PAVED APPROACH (INCLUDES ANY CURB)
66	RTE 366	2277+87.75	2278+02.39	RT	15					CURB
66	RTE 366	2278+02.39	2278+50.13	RT	48	VARIES	291.38	32.38		PAVED APPROACH (INCLUDES ANY CURB)
66	RTE 366	2278+50.13	2278+64.05	RT	14					CURB
66	RTE 366	2278+64.05	2279+06.92	RT	43	VARIES	357.01	39.67		PAVED APPROACH (INCLUDES ANY CURB)
66	RTE 366	2279+06.92	2279+37.05	RT	30					CURB
66	RTE 366	2279+16.46		RT					1	BUSH
66	RTE 366	2279+37.05	2279+96.08	RT	59	VARIES	419.35	46.59		PAVED APPROACH (INCLUDES ANY CURB)
66	RTE 366	2279+96.17	2280+60.40	RT	64					CURB
66	RTE 366	2280+60.31	2281+20.82	RT	61	VARIES	344.14	38.24		PAVED APPROACH (INCLUDES ANY CURB)
66-68	RTE 366	2281+20.94	2287+35.70	RT	615					CURB
67	RTE 366	2283+17.59	2283+29.83	RT	12	VARIES	139.67	15.52		CONCRETE SIDEWALK
67	RTE 366	2283+27.81	2283+57.38	LT	35					CURB AND GUTTER
67	RTE 366	2283+27.81	2283+33.87	LT	6	VARIES	33.47	3.72		CONCRETE SIDEWALK
67	RTE 366	2283+38.33	2284+28.09	LT	90	VARIES	368.78	40.98		ASPHALT SHOULDER
68	RTE 366	2287+35.70	2288+17.31	RT	82	VARIES	524.61	58.29		PAVED APPROACH (INCLUDES ANY CURB)
68	RTE 366	2289+72.46	2290+26.63	RT	54	VARIES	354.03	39.34		PAVED APPROACH (INCLUDES ANY CURB)
68	RTE 366	2290+26.63	2290+73.75	RT	47	VARIES	452.85	50.32		PAVED APPROACH (INCLUDES ANY CURB)
68	RTE 366	2291+79.80	2291+89.80	RT	10					CURB AND GUTTER
68	RTE 366	2291+89.80	2292+39.99	RT	50	VARIES	568.11	63.12		PAVED APPROACH (INCLUDES ANY CURB)
68-69	RTE 366	2292+39.98	2292+59.27	RT	19					CURB AND GUTTER
69	RTE 366	2292+59.27	2293+05.55	RT	46	VARIES	496.72	55.19		PAVED APPROACH (INCLUDES ANY CURB)
69	RTE 366	2293+08.55	2293+19.08	RT	11					CURB AND GUTTER
71	RTE 366	2302+20.99	2302+46.79	LT	26	VARIES	192.11	21.35		LANDSCAPING
71	RTE 366	2302+35.93	2303+06.40	LT	70	VARIES	785.75	87.31		PAVED APPROACH (INCLUDES ANY CURB)

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/30/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/30/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	3

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ENGINEERING CORPORATION - 000631

SHEET 28 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

REMOVAL OF IMPROVEMENTS - 1 LUMP SUM (14 OF 16)

SHEET	ROADWAY	STATION (FROM)	STATION (TO)	LOCATION	LENGTH (FEET)	WIDTH (FEET)	AREA (SF)	AREA (SY)	EACH	DESCRIPTION OF REMOVAL
71	RTE 366	2303+02.09	2303+24.00	LT	22	VARIES	119.65	13.29		LANDSCAPING
71-73	RTE 366	2302+99.46	2313+49.71	LT	1050	VARIES	7185.46	798.38		ASPHALT SHOULDER
72	RTE 366	2305+06.40	2306+71.18	RT	165					GUARDRAIL
72	RTE 366	2305+21.48	2305+92.10	LT	71	VARIES	418.39	46.49		VEGETATION
72	RTE 366	2305+29.38	2308+68.08	LT	339					GUARDRAIL
72-73	RTE 366	2307+21.00	2313+49.52	LT	629					CURB AND GUTTER
72-74	RTE 366	2307+72.21	2317+09.08	LT	937	VARIES	5650.01	627.78		ASPHALT SIDEWALK
72-73	RTE 366	2308+91.16	2310+74.52	LT	183	VARIES	989.88	109.99		VEGETATION
74	RTE 366	2316+85.17	2317+09.34	LT	26					CURB
74	RTE 366	2317+87.27	2318+09.66	LT	25					CURB
74-76	RTE 366	2317+87.83	2326+18.57	LT	831	VARIES	5395.68	599.52		ASPHALT SIDEWALK
75-76	RTE 366	2324+32.12	2326+24.73	RT	193	VARIES	884.21	98.25		ASPHALT SIDEWALK
76	RTE 366	2329+50.86	2329+81.71	RT	31	VARIES	148.46	16.50		CONCRETE SIDEWALK
76	RTE 366	2329+58.62	2329+79.29	RT	21	VARIES	233.67	25.96		MISC. PAVEMENT
76	RTE 366	2329+70.73	2330+22.11	RT	51	VARIES	488.54	54.28		PAVED APPROACH (INCLUDES ANY CURB)
76-77	RTE 366	2327+89.32	2330+82.52	LT	293	VARIES	1959.82	217.76		ASPHALT SIDEWALK
76-77	RTE 366	2330+10.53	2330+52.33	RT	42	VARIES	207.48	23.05		CONCRETE SIDEWALK
76-77	RTE 366	2330+12.13	2330+50.78	RT	39	VARIES	415.88	46.21		MISC. PAVEMENT
76	RTE 366	2330+17.69		RT					1	LIGHT
76-77	RTE 366	2330+22.08	2330+43.56	RT	21					CURB AND GUTTER
77	RTE 366	2330+38.80	2330+90.87	RT	52	VARIES	570.95	63.44		PAVED APPROACH (INCLUDES ANY CURB)
77	RTE 366	2330+47.69	2331+55.40	LT	108	VARIES	1596.89	177.43		PAVED APPROACH (INCLUDES ANY CURB AND MEDIAN)
77	RTE 366	2330+80.95	2330+90.73	RT	10	VARIES	53.00	5.89		CONCRETE SIDEWALK
77	RTE 366	2330+81.80	2331+09.68	RT	28	VARIES	252.37	28.04		MISC. PAVEMENT
77	RTE 366	2330+90.87	2331+00.63	RT	10					CURB AND GUTTER
77	RTE 366	2330+98.96	2331+69.05	RT	70	VARIES	1005.51	111.72		PAVED APPROACH (INCLUDES ANY CURB)
77	RTE 366	2331+32.65	2333+67.82	LT	235	VARIES	1377.40	153.04		ASPHALT SIDEWALK
77	RTE 366	2331+55.37	2331+65.37	LT	10					CURB AND GUTTER
77	RTE 366	2331+59.67	2332+73.82	RT	114	VARIES	1617.21	179.69		MISC. PAVEMENT
77	RTE 366	2331+69.07	2331+79.07	RT	10					CURB AND GUTTER
77	RTE 366	2332+56.87	2332+66.86	RT	10					CURB AND GUTTER
77	RTE 366	2332+66.76	2333+34.11	RT	67	VARIES	682.36	75.82		PAVED APPROACH (INCLUDES ANY CURB)
77	RTE 366	2333+01.39	2333+48.71	LT	47					CURB AND GUTTER
77	RTE 366	2333+24.81	2333+47.05	RT	22	VARIES	317.18	35.24		MISC. PAVEMENT
77	RTE 366	2333+34.09	2333+37.76	RT	4					CURB AND GUTTER
77	RTE 366	2333+37.78	2333+79.94	RT	42	VARIES	506.53	56.28		PAVED APPROACH (INCLUDES ANY CURB)
77	RTE 366	2333+48.85	2334+20.74	LT	72	VARIES	820.35	91.15		PAVED APPROACH (INCLUDES ANY CURB)
77	RTE 366	2333+72.42	2334+19.44	RT	47	VARIES	639.81	71.09		MISC. PAVEMENT
77	RTE 366	2333+80.12	2333+90.11	RT	10					CURB AND GUTTER
77	RTE 366	2333+99.83	2334+09.82	RT	10					CURB AND GUTTER
77	RTE 366	2334+09.68	2334+68.98	RT	59	VARIES	559.58	62.18		PAVED APPROACH (INCLUDES ANY CURB)
77	RTE 366	2334+14.52	2335+05.83	LT	91	VARIES	536.31	59.59		ASPHALT SIDEWALK
77	RTE 366	2334+20.74	2334+30.75	LT	10					CURB
77	RTE 366	2334+60.45	2335+60.80	RT	100	VARIES	1017.24	113.03		MISC. PAVEMENT
77	RTE 366	2334+69.15	2334+96.19	RT	27					CURB AND GUTTER
77	RTE 366	2334+81.83	2335+05.55	RT	24	VARIES	185.75	20.64		CONCRETE SIDEWALK
77	RTE 366	2334+89.08	2335+06.35	LT	21					CURB
77	RTE 366	2335+44.39	2335+61.34	RT	24					CURB
350	RTE 366	2145+10.08		CT					1	PULL BOX
350	RTE 366	2145+16.05		CT					1	SIGNAL POST AND 2 MAST ARMS
350	RTE 366	2145+37.69		RT					1	PULL BOX
350	RTE 366	2145+41.52		RT					1	SIGNAL POST
350	RTE 366	2145+88.76		RT					1	PULL BOX
350	RTE 366	2145+95.72		RT					1	SIGNAL POST
350	RTE 366	2145+95.77		RT					1	SIGNAL CONTROLLER
350	RTE 366	2146+00.97		RT					1	PULL BOX
350	RTE 366	2146+01.81		RT					1	SIGNAL POST
350	RTE 366	2146+05.42		RT					1	POWER SUPPLY
350	RTE 366	2146+21.62		CT					1	SIGNAL POST AND 2 MAST ARMS
350	RTE 366	2146+30.17		CT					1	PULL BOX
350	RTE 366	2146+18.06		LT					1	PULL BOX
350	RTE 366	2146+10.89		LT					1	SIGNAL POST
350	RTE 366	2145+42.17		LT					1	SIGNAL POST AND MAST ARM
350	RTE 366	2145+31.62		LT					1	PULL BOX
350	RTE 366	2145+31.62		LT					1	SIGNAL POST
356	RTE 366	2153+77.74		LT					1	SIGNAL POST AND 2 MAST ARMS
356	RTE 366	2153+81.71		LT					1	PULL BOX
356	RTE 366	2153+89.13		RT					1	PULL BOX
356	RTE 366	2153+82.78		RT					1	SIGNAL POST
356	RTE 366	2154+01.99		RT					1	PULL BOX
356	RTE 366	2154+13.56		RT					1	PULL BOX
356	RTE 366	2154+10.23		RT					1	SIGNAL CONTROLLER
356	RTE 366	2154+15.22		RT					1	POWER SUPPLY
356	RTE 366	2154+70.76		RT					1	PULL BOX

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/30/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/30/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

SHEET 29 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

REMOVAL OF IMPROVEMENTS - 1 LUMP SUM (15 OF 16)

SHEET	ROADWAY	STATION (FROM)	STATION (TO)	LOCATION	LENGTH (FEET)	WIDTH (FEET)	AREA (SF)	AREA (SY)	EACH	DESCRIPTION OF REMOVAL
356	RTE 366	2154+72.45		CT					1	PULL BOX
356	RTE 366	2154+78.25		CT					1	SIGNAL POST
356	RTE 366	2154+83.57		RT					1	SIGNAL POST AND 2 MAST ARMS
356	RTE 366	2155+13.10		RT					1	SIGNAL POST
356	RTE 366	2155+28.95		RT					1	PULL BOX
356	RTE 366	2154+92.56		LT					1	PULL BOX
356	RTE 366	2154+95.61		LT					1	SIGNAL POLE
356	RTE 366	2155+20.66		LT					1	SIGNAL POLE
362	RTE 366	2158+85.51		CT					1	SIGNAL POST AND 2 MAST ARMS
362	RTE 366	2158+76.66		CT					1	PULL BOX
362	RTE 366	2158+93.28		RT					1	SIGNAL CONTROLLER
362	RTE 366	2158+78.77		RT					1	POWER SUPPLY
362	RTE 366	2158+97.06		RT					1	PULL BOX
362	RTE 366	2159+60.08		RT					1	SIGNAL POST AND 2 MAST ARMS
362	RTE 366	2159+63.26		RT					1	PULL BOX
362	RTE 366	2160+03.49		CT					1	SIGNAL POST AND 2 MAST ARMS
362	RTE 366	2160+12.50		CT					1	PULL BOX
362	RTE 366	2159+32.31		LT					1	PULL BOX
362	RTE 366	2159+34.64		LT					1	SIGNAL POST AND 2 MAST ARMS
368	RTE 366	2186+89.04		RT					1	SIGNAL POST
368	RTE 366	2186+29.58	2187+23.02	LT/RT					5	PED HEADS ON EXISTING POSTS
368	RTE 366	2186+29.58	2187+23.02	LT/RT					5	PUSH BUTTONS AND PUSH BUTTON SIGNS ON EXISTING POSTS
374	RTE 366	2208+98.52		RT					1	SIGNAL CONTROLLER
374	RTE 366	2209+04.59		RT					1	PULL BOX
374	RTE 366	2209+22.66		LT					1	SIGNAL POST AND MAST ARM
374	RTE 366	2209.23.54		RT					1	SIGNAL POST AND MAST ARM
374	RTE 366	2209+28.92		RT					1	PULL BOX
374	RTE 366	2209+36.45		LT					1	PULL BOX
374	RTE 366	2209+93.78		LT					1	PULL BOX
374	RTE 366	2210+02.01		LT					1	SIGNAL POST AND MAST ARM
374	RTE 366	2210+10.02		RT					1	PULL BOX
374	RTE 366	2210+10.18		RT					1	SIGNAL POST AND MAST ARM
380	RTE 366	2242+47.70		LT					1	SIGNAL POST
380	RTE 366	2241+48.00	2243+74.92	LT/RT					12	PED HEADS ON EXISTING POSTS
380	RTE 366	2241+48.00	2243+74.92	LT/RT					12	PUSH BUTTONS AND PUSH BUTTON SIGNS ON EXISTING POSTS
386	RTE 366	2316+99.43		LT					1	SIGNAL POST AND MAST ARM
386	RTE 366	2316+96.91		LT					1	SIGNAL CONTROLLER
386	RTE 366	2317+09.64		LT					1	PULL BOX
386	RTE 366	2317+28.32		RT					1	SIGNAL POST AND MAST ARM
386	RTE 366	2317+93.84		RT					1	SIGNAL POST AND MAST ARM
386	RTE 366	2317+91.98		LT					1	PULL BOX
NOTE: EXISTING SIGNS TO BE REMOVED ARE ONE POST INSTALLATIONS UNLESS OTHERWISE NOTED										
459	RTE 366	2129+46.04		RT					1	EAST AND MO RTE 366 SHIELD ASSEMBLY
459	RTE 366	2130+97.63		RT					1	ONE WAY, SIGN ONLY
459	RTE 366	2131+07.27		RT					1	KEEP RIGHT AND NO U-TURN ASSEMBLY, SIGN ONLY
459	RTE 366	2131+70.59		RT					1	KEEP RIGHT AND NO U-TURN ASSEMBLY, SIGN ONLY
459	RTE 366	2134+42.28		RT					1	TO WATSON RD WEST AND U-TURN LANE ASSEMBLY, SIGNS ONLY
459	RTE 366	2134+97.34		RT					1	BEGIN TIRGH TURN LANE YIELD TO BIKES
459	RTE 366	2135+64.15		RT					1	RIGHT TURN ONLY
459	RTE 366	2136+56.18		RT					1	DOUBLE ARROW, SIGN ONLY
460	RTE 366	2145+88.60		RT					1	WEST, MO RTE 366 SHIELD, AND LEFT TURN ARROW ASSEMBLY, SIGNS ONLY
460	RTE 366	2147+39.94		LT					1	METRO BUS STOP, LOCATED ON LIGHT POLE
460	RTE 366	2147+86.55		RT					1	ONE WAY ARROW, EAST, MO RTE 366 SHILELD, AND RIGHT TURN ARROW ASSEMBLY
461	RTE 366	2148+86.28		LT					1	U-TURN TO EAST 366 LEFT LANE
461	RTE 366	2148+96.47		RT					1	WEIGHT LIMIT 50 TONS
461	RTE 366	2150+04.39		LT					1	WEIGHT LIMIT 50 TONS
461	RTE 366	2152+61.81		LT					1	U-TURN TO EAST 366 LEFT LANE
461	RTE 366	2154+15.84		RT					1	DOUBLE ARROW
461	RTE 366	2154+17.36		LT					1	EAST, MO RTE 366 SHIELD, AND LEFT TURN DIAGONAL ARROW ASSEMBLY, SIGNS ONLY
461	RTE 366	2154+46.05		RT					1	DOUBLE ARROW
461	RTE 366	2154+53.45		LT					1	DOUBLE ARROW
461	RTE 366	2154+59.05		LT					1	KEEP RIGHT, SIGN ONLY
461	RTE 366	2156+45.40		LT					1	BICYCLE SYMBOL AND SHARE THE ROAD ASSEMBLY
462	RTE 366	2159+16.73		RT					1	DOUBLE ARROW
462	RTE 366	2159+23.70		LT					1	KEEP RIGHT
462	RTE 366	2159+71.17		LT					1	DOUBLE ARROW
462	RTE 366	2159+73.75		RT					1	KEEP RIGHT
462	RTE 366	2159+84.03		RT					1	DOUBLE ARROW
462	RTE 366	2160+36.87		LT					1	RIGHT TURN ONLY, LOCATED ON MAST ARM
462	RTE 366	2162+24.79		RT					1	BICYCLE SYMBOL AND SHARE THE ROAD ASSEMBLY
462	RTE 366	2163+03.10		LT					1	KEEP RIGHT, SIGN ONLY
462	RTE 366	2167+89.62		RT					1	CENTER LANE TWO WAY LEFT TURN ONLY
463	RTE 366	2177+67.01		LT					1	CENTER LANE TWO WAY LEFT TURN ONLY

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/30/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/30/2024

MO ROUTE	STATE
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DISTRICT	SHEET NO.
SL	3

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ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

SHEET 30 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

REMOVE AND RELOCATE EXISTING GROUND MOUNT SIGN QUANTITY (2 OF 2)

SIGNING SHEET (X OF 41)	SIGN NO.	STATION	ROADWAY	LOCATION	REMOVE & RELOCATE EXISTING GROUND MOUNT SIGN (EA)	REMARKS
13	#REF!	2130+63.41	RTE 366	RT	1	SPEED LIMIT 40
13	#REF!	2131+69.30	RTE 366	RT	1	STOP
14	#REF!	2146+65.40	RTE 366	LT	1	METRO BUS STOP
14	#REF!	2144+99.43	RTE 366	RT	1	ASSEMBLY
15	#REF!	2153+00.83	RTE 366	LT	1	YIELD
15	#REF!	2153+54.00	RTE 366	LT	1	ASSEMBLY
15	#REF!	2154+60.18	RTE 366	LT	1	YIELD
15	#REF!	2155+48.59	RTE 366	LT	1	NO U OR LEFT TURN
15	#REF!	2155+87.23	RTE 366	LT	1	ASSEMBLY
15	#REF!	2157+42.87	RTE 366	LT	1	SPEED LIMIT 40
15	#REF!	2157+80.87	RTE 366	LT	1	METRO BUS STOP
15	#REF!	2154+27.88	RTE 366	RT	1	KEEP RIGHT
16	#REF!	2159+08.38	RTE 366	LT	1	DOUBLE ARROW
16	#REF!	2159+78.16	RTE 366	LT	1	YIELD
16	#REF!	2159+19.04	RTE 366	RT	1	YIELD
16	#REF!	2160+26.12	RTE 366	RT	1	YIELD
16	#REF!	2161+07.80	RTE 366	RT	1	METRO BUS STOP
17	#REF!	2173+90.56	RTE 366	LT	1	METRO BUS STOP
17	#REF!	2173+92.05	RTE 366	RT	1	METRO BUS STOP
17	#REF!	2178+86.94	RTE 366	RT	1	SPEED LIMIT 40
17	#REF!	2180+32.41	RTE 366	LT	1	HISTORIC US 66 BYWAY
18	#REF!	2186+55.63	RTE 366	LT	1	STOP HERE ON RED
18	#REF!	2186+14.13	RTE 366	RT	1	YIELD
18	#REF!	2187+54.47	RTE 366	RT	1	HISTORIC US 66 BYWAY
18	#REF!	2189+05.00	RTE 366	RT	1	METRO BUS STOP
19	#REF!	2198+42.62	RTE 366	RT	1	SPEED LIMIT 40 ONLY
19	#REF!	2199+05.18	RTE 366	RT	1	STOP
19	#REF!	2199+66.60	RTE 366	RT	1	METRO BUS STOP
20	#REF!	2205+23.00	RTE 366	LT	1	KEEP RIGHT
20	#REF!	2208+52.58	RTE 366	LT	1	METRO BUS STOP
20	#REF!	2208+08.10	RTE 366	RT	1	METRO BUS STOP
20	#REF!	2214+03.15	RTE 366	RT	1	SPEED LIMIT 40
21	#REF!	2220+80.24	RTE 366	LT	1	ASSEMBLY
21	#REF!	2221+25.21	RTE 366	LT	1	ASSEMBLY
21	#REF!	2221+65.97	RTE 366	LT	1	METRO BUS STOP
21	#REF!	2219+21.29	RTE 366	RT	1	METRO BUS STOP
22	#REF!	2225+68.34	RTE 366	RT	1	CUSTOM SIGN
22	#REF!	2227+31.74	RTE 366	RT	1	NO PARKING ANY TIME
22	#REF!	2228+55.86	RTE 366	LT	1	METRO BUS STOP
22	#REF!	2231+12.45	RTE 366	RT	1	METRO BUS STOP
23	#REF!	2239+05.91	RTE 366	LT	1	NOTICE NO TRUCK ENTRANCE
23	#REF!	2244+23.88	RTE 366	LT	1	YIELD
23	#REF!	2245+77.18	RTE 366	LT	1	BEGIN RIGHT TURN LANE YIELD TO BIKES
24	#REF!	2249+94.04	RTE 366	LT	1	ASSEMBLY
24	#REF!	2255+60.14	RTE 366	LT	1	STOP
24	#REF!	2255+16.85	RTE 366	LT	1	ASSEMBLY
24	#REF!	2247+86.44	RTE 366	RT	1	HISTORIC US 66 BYWAY
24	#REF!	2248+17.21	RTE 366	RT	1	METRO BUS STOP
24	#REF!	2251+50.29	RTE 366	RT	1	SPEED LIMIT 40
25	#REF!	2262+66.27	RTE 366	RT	1	METRO BUS STOP
25	#REF!	2264+06.32	RTE 366	LT	1	STOP
25	#REF!	2264+37.25	RTE 366	LT	1	NO SOLICITING
25	#REF!	2265+89.91	RTE 366	LT	1	SPEED LIMIT 40 ONLY
25	#REF!	2263+92.41	RTE 366	RT	1	METRO BUS STOP
26	#REF!	2277+23.31	RTE 366	RT	1	SIDE ROAD
27	#REF!	2283+97.26	RTE 366	LT	1	METRO BUS STOP
27	#REF!	2284+31.82	RTE 366	RT	1	METRO BUS STOP
29	#REF!	2302+41.13	RTE 366	LT	1	STOP
31	#REF!	2330+70.06	RTE 366	LT	1	STOP
31	#REF!	2331+00.15	RTE 366	LT	1	KEEP RIGHT
31	#REF!	2332+68.45	RTE 366	LT	1	HISTORIC US 66 BYWAY
31	#REF!	2334+87.14	RTE 366	LT	1	SPEED LIMIT 40 ONLY
31	#REF!	2330+18.32	RTE 366	RT	1	METRO BUS STOP
31	#REF!	2332+53.94	RTE 366	RT	1	HISTORIC US 66 BYWAY
			SUBTOTAL 1	**36**		**FROM QTY SHEET 11 OF 62**
			SUBTOTAL 2	**64**		
			TOTAL	**100**		

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REMOVAL OF IMPROVEMENTS - 1 LUMP SUM (16 OF 16)

SHEET	ROADWAY	STATION (FROM)	STATION (TO)	LOCATION	LENGTH (FEET)	WIDTH (FEET)	AREA (SF)	AREA (SY)	EACH	DESCRIPTION OF REMOVAL
463	RTE 366	2180+09.33		RT					1	OBJECT MARKER WARNING
463	RTE 366	2180+23.45		RT					1	OBJECT MARKER WARNING
463	RTE 366	2180+32.79		LT					1	WEST AND MO RTE 366 SHIELD ONLY
464	RTE 366	2186+21.38		RT					1	DOUBLE ARROW, SIGN ONLY
464	RTE 366	2187+52.01		RT					1	EAST AND MO RTE 366 SHIELD ASSEMBLY
465	RTE 366	2198+42.62		RT					1	MARLBOROUGH CITY LIMIT ONLY
467	RTE 366	2220+46.52		LT					1	BICYCLE SYMBOL AND SHARE THE ROAD ASSEMBLY
468	RTE 366	2230+78.84		LT					1	OBJECT MARKER WARNING
468	RTE 366	2234+12.87		LT					1	WEST AND MO RTE 366 SHIELD ASSEMBLY
469	RTE 366	2237+76.18		RT					1	BEGIN TIRGH TURN LANE YIELD TO BIKES
469	RTE 366	2244+10.82		RT					1	DOUBLE ARROW, SIGN ONLY
469	RTE 366	2245+24.29		RT					1	EAST AND MO RTE 366 SHIELD ASSEMBLY
470	RTE 366	2256+50.89		LT					1	METRO BUS STOP, LOCATED ON LIGHT POLE
471	RTE 366	2263+29.09		LT					1	BICYCLE SYMBOL AND SHARE THE ROAD ASSEMBLY
471	RTE 366	2265+89.91		LT					1	MARLBOROUGH CITY LIMIT ONLY
471	RTE 366	2267+89.73		RT					1	SPEED LIMIT 40 AND SHREWSBURY CITY LIMIT ASSEMBLY
473	RTE 366	2280+45.69		LT					1	PEDESTRIAN SYMBOL AND DIAGONAL DOWNWARD-POINTING ARROW ASSEMBLY
473	RTE 366	2280+30.67		RT					1	PEDESTRIAN SYMBOL AND DIAGONAL DOWNWARD-POINTING ARROW ASSEMBLY
473	RTE 366	2289+41.29		LT					1	SIDE ROAD, SIGN ONLY
474	RTE 366	2295+53.79		RT					1	SPEED LIMIT 40, SIGN ONLY
475	RTE 366	2307+90.15		LT					1	OBJECT MARKER WARNING
476	RTE 366	2319+98.84		RT					1	METRO BUS STOP, LOCATED ON LIGHT POLE
476	RTE 366	2321+76.70		LT					1	WEST AND MO RTE 366 SHIELD ASSEMBLY, SIGNS ONLY
477	RTE 366	2325+29.38		LT					1	BICYCLE SYMBOL AND SHARE THE ROAD ASSEMBLY
477	RTE 366	2330+18.32		RT					1	EAST AND MO RTE 366 SHIELD ASSEMBLY, LOCATED ON LIGHT POLE
477	RTE 366	2334+87.14		RT					1	SHREWSBURY CITY LIMIT SIGN ONLY
477	RTE 366	2335+56.26		RT					1	STOP ON RED LIGHT AT STOP LINE
TOTAL					**1 LUMP SUM**					

NO DIRECT PAYMENT FOR SAWCUTS, SAWCUTS ARE NOT LISTED BUT ARE REQUIRED FOR ALL REMOVALS ADJACENT TO AN ASPHALT OR CONCRETE SURFACE TO REMAIN IN PLACE
ANY ITEMS FOR REMOVAL NOT LISTED ABOVE BUT REQUIRED FOR THE COMPLETION OF THE PROJECT SHALL BE INCLUDED IN THE LUMP SUM COST FOR REMOVAL OF IMPROVEMENTS

RECTANGULAR RAPID FLASHING BEACON (1 OF 1)

SIGNING SHEET NO. (X OF 41)	CROSSING STATION	ROADWAY	RECTANGULAR RAPID FLASHING BEACON (RRFB) (EA)	REMARKS
25	2263+37	RTE 366	1	SEE JSP
27	2283+77	RTE 366	1	SEE JSP
	TOTAL		**2**	

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
09/06/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED 9/5/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 3
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
CRAWFORD, MURPHY & TILLY, INC.
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SHEET 31 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

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ADJUST TO GRADE (4 OF 8)

SHEET NO.	STATION	ROADWAY	LOCATION	ADJUSTING BASIN OR INLET (EA)	ADJUSTING MANHOLE (EA)	ADJUST TO GRADE WATER VALVE (EA)	ADJUST TO GRADE WATER METER (EA)	ADJUST TO GRADE MODOT PULL BOX (EA)	REMARKS
35	2127+23.53	RTE 366	RT	1					
35	2128+76.35	RTE 366	RT	1					
36	2133+62.18	RTE 366	RT					1	ITS
36	2135+79.47	RTE 366	RT			1			
37	2136+19.17	RTE 366	RT	1					
37	2136+68.40	RTE 366	RT		1				
37	2137+24.86	RTE 366	RT					1	ITS
37	2138+06.55	RTE 366	RT					1	ITS
37	2140+62.39	RTE 366	LT			1			
37	2140+62.85	RTE 366	RT					1	ITS
37	2140+65.70	RTE 366	LT			1			
37	2140+86.82	RTE 366	LT	1					
37	2141+04.36	RTE 366	LT			1			
38	2143+26.67	RTE 366	RT			1			
38	2143+31.89	RTE 366	RT					1	ITS
38	2143+38.47	RTE 366	LT	1					
38	2143+90.61	RTE 366	LT		1				
38	2144+65.19	RTE 366	LT		1				
38	2145+15.92	RTE 366	RT	1					
38	2145+15.99	RTE 366	RT		1				
38	2145+40.88	RTE 366	LT	1					
38	2145+86.62	RTE 366	LT			1			
39	2147+54.23	RTE 366	LT	1					
39	2148+20.50	RTE 366	LT		1				
39	2148+24.08	RTE 366	RT			1			
39	2148+96.09	RTE 366	LT	1					
39	2148+96.09	RTE 366	LT		1				
39	2150+05.22	RTE 366	RT					1	ITS
40	2153+91.91	RTE 366	RT					1	ITS
40	2156+86.73	RTE 366	RT		1				
40	2157+03.37	RTE 366	RT	1					
41	2157+80.75	RTE 366	RT	1					
41	2158+87.23	RTE 366	LT			1			
41	2158+89.76	RTE 366	LT			1			
41	2159+05.97	RTE 366	RT					1	ITS
41	2159+10.38	RTE 366	RT		1				
41	2159+88.70	RTE 366	LT		1				
41	2160+28.51	RTE 366	RT	1					
41	2160+28.51	RTE 366	RT	1					
41	2160+36.07	RTE 366	LT	1					
41	2161+85.23	RTE 366	LT	1					
42	2162+26.05	RTE 366	RT	1					
42	2164+89.63	RTE 366	RT	1					
42	2164+89.67	RTE 366	RT	1					
42	2166+50.68	RTE 366	RT	1					
42	2166+50.68	RTE 366	RT	1					
43	2168+06.96	RTE 366	LT		1				
43	2169+19.05	RTE 366	RT			1			
43	2169+19.20	RTE 366	RT				1		
44	2175+37.63	RTE 366	LT		1				
44	2175+55.45	RTE 366	LT		1				
44	2176+14.57	RTE 366	LT			1			
45	2177+11.64	RTE 366	LT		1				
45	2178+58.61	RTE 366	LT	1					
		SUBTOTAL 4		21	13	11	1	8	

ADJUST TO GRADE (5 OF 8)

SHEET NO.	STATION	ROADWAY	LOCATION	ADJUSTING BASIN OR INLET (EA)	ADJUSTING MANHOLE (EA)	ADJUST TO GRADE WATER VALVE (EA)	ADJUST TO GRADE WATER METER (EA)	ADJUST TO GRADE MODOT PULL BOX (EA)	REMARKS
46	2181+29.49	RTE 366	RT	1					
46	2181+29.49	RTE 366	RT	1					
47	2186+39.04	RTE 366	LT					1	SIGNAL
47	2186+56.02	RTE 366	LT			1			
47	2186+99.95	RTE 366	RT					1	SIGNAL
47	2187+07.80	RTE 366	RT					1	SIGNAL
47	2187+28.83	RTE 366	LT					1	SIGNAL, SHIFT AS NEEDED FOR CURB RAMP
47	2187+47.52	RTE 366	RT			1			
47	2187+50.51	RTE 366	RT			1			
47	2188+46.24	RTE 366	RT		1				
47	2189+19.35	RTE 366	RT		1				
47	2189+70.80	RTE 366	RT		1				
48	2190+65.13	RTE 366	RT			1			
48	2193+14.00	RTE 366	RT			1			
48	2193+14.66	RTE 366	RT			1			
48	2193+73.02	RTE 366	RT	1					
48	2194+40.75	RTE 366	RT			1			
48	2194+82.94	RTE 366	RT	1					
48	2195+45.07	RTE 366	RT			1			
48	2195+48.91	RTE 366	RT	1					
49	2195+72.73	RTE 366	LT	1					
49	2195+86.65	RTE 366	RT		1				
49	2196+21.04	RTE 366	RT			1			
49	2196+72.57	RTE 366	LT		1				
49	2196+79.62	RTE 366	LT	1					
49	2197+77.44	RTE 366	LT					1	ITS
49	2198+35.05	RTE 366	RT	1					
49	2198+70.29	RTE 366	LT		1				
49	2199+97.64	RTE 366	LT	1					
49	2199+98.76	RTE 366	LT	1					
49	2200+11.67	RTE 366	RT		1				
49	2200+87.36	RTE 366	LT	1					
49	2200+90.79	RTE 366	LT		1				
50	2201+93.41	RTE 366	RT		1				
50	2202+98.78	RTE 366	LT		1				
50	2203+18.61	RTE 366	RT		1				
50	2203+18.94	RTE 366	RT	1					
50	2204+66.78	RTE 366	RT		1				
50	2206+24.02	RTE 366	RT		1				
51	2207+24.58	RTE 366	RT	1					
51	2207+58.69	RTE 366	RT		1				
51	2208+02.61	RTE 366	LT		1				
51	2208+67.75	RTE 366	RT					1	ITS
51	2208+73.06	RTE 366	LT					1	ITS
51	2208+86.00	RTE 366	RT		1				
51	2208+86.04	RTE 366	LT		1				
51	2209+22.98	RTE 366	RT		1				
51	2209+40.66	RTE 366	RT	1					
51	2209+43.77	RTE 366	RT		1				
51	2209+92.99	RTE 366	RT	1					
51	2209+95.14	RTE 366	LT	1					
51	2210+04.73	RTE 366	RT		1				
51	2210+66.54	RTE 366	RT	1					
51	2211+22.73	RTE 366	RT	1					
52	2212+21.55	RTE 366	RT			1			
		SUBTOTAL 5		18	20	10	-	7	

QUANTITIES

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/30/2024
Cassandra McKee Lee - Civil
MO PE-2023025373
DATE PREPARED
7/30/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 3
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ADJUST TO GRADE (6 OF 8)

SHEET NO.	STATION	ROADWAY	LOCATION	ADJUSTING BASIN OR INLET (EA)	ADJUSTING MANHOLE (EA)	ADJUST TO GRADE WATER VALVE (EA)	ADJUST TO GRADE WATER METER (EA)	ADJUST TO GRADE MODOT PULL BOX (EA)	REMARKS
52	2212+46.72	RTE 366	LT	1					
52	2213+08.54	RTE 366	LT	1					
52	2213+09.02	RTE 366	RT		1				
52	2213+56.06	RTE 366	LT	1					
52	2213+73.83	RTE 366	LT		1				
52	2214+26.67	RTE 366	RT	1					
52	2214+63.34	RTE 366	LT		1				
52	2214+64.76	RTE 366	LT	1					
52	2214+69.49	RTE 366	LT					1	ITS
52	2215+59.07	RTE 366	LT	1					
52	2215+73.48	RTE 366	LT		1				
52	2216+09.22	RTE 366	LT	1					
52	2216+60.77	RTE 366	LT	1					
52	2217+47.89	RTE 366	RT	1					
53	2218+02.40	RTE 366	LT	1					
53	2218+30.39	RTE 366	LT	1					
53	2218+34.24	RTE 366	LT	1					
53	2218+49.11	RTE 366	LT		1				
53	2218+66.42	RTE 366	LT	1					
53	2218+70.19	RTE 366	LT	1					
53	2218+97.15	RTE 366	RT	1					
53	2219+12.10	RTE 366	LT	1					
53	2219+39.20	RTE 366	LT		1				
53	2219+59.84	RTE 366	LT		1				
53	2219+60.15	RTE 366	LT	1					
53	2219+76.90	RTE 366	RT			1			
53	2219+94.94	RTE 366	RT			1			
53	2220+47.13	RTE 366	LT			1			
53	2220+53.22	RTE 366	LT	1					
53	2221+45.24	RTE 366	LT	1					
53	2221+50.16	RTE 366	RT			1			
53	2221+59.12	RTE 366	LT					1	ITS
53	2222+92.99	RTE 366	LT	1					
54	2223+15.61	RTE 366	RT			1			
54	2223+20.30	RTE 366	LT		1				
54	2224+92.43	RTE 366	LT	1					
54	2226+22.11	RTE 366	LT		1				
54	2226+28.17	RTE 366	LT	1					
54	2227+17.54	RTE 366	LT	1					
54	2227+37.74	RTE 366	RT		1				
55	2230+47.07	RTE 366	LT		1				
55	2230+85.10	RTE 366	LT					1	ITS
55	2230+89.89	RTE 366	LT			1			
55	2231+23.18	RTE 366	LT			1			
55	2231+44.31	RTE 366	RT		1				
55	2231+64.07	RTE 366	LT		1				
55	2232+12.20	RTE 366	LT		1				
55	2232+80.25	RTE 366	RT			1			
56	2233+72.66	RTE 366	RT				1		
56	2233+72.66	RTE 366	RT				1		
56	2234+53.35	RTE 366	LT			1			
56	2234+59.98	RTE 366	RT			1			
56	2234+68.33	RTE 366	LT		1				
56	2234+99.74	RTE 366	RT		1				
56	2235+00.64	RTE 366	LT		1				
56	2235+21.34	RTE 366	RT		1				
56	2236+16.47	RTE 366	RT		1				
56	2236+83.00	RTE 366	LT		1				
57	2237+35.80	RTE 366	RT		1				
57	2237+38.74	RTE 366	RT	1					
		SUBTOTAL 6		24	21	10	2	3	

ADJUST TO GRADE (7 OF 8)

SHEET NO.	STATION	ROADWAY	LOCATION	ADJUSTING BASIN OR INLET (EA)	ADJUSTING MANHOLE (EA)	ADJUST TO GRADE WATER VALVE (EA)	ADJUST TO GRADE WATER METER (EA)	ADJUST TO GRADE MODOT PULL BOX (EA)	REMARKS
57	2237+48.14	RTE 366	LT		1				
57	2238+14.50	RTE 366	RT	1					
57	2238+59.02	RTE 366	RT	1					
57	2239+22.57	RTE 366	LT		1				
57	2239+54.69	RTE 366	RT		1				
57	2240+53.10	RTE 366	RT		1				
57	2240+58.44	RTE 366	RT		1				
58	05+85.69	LACLEDE STATION	LT		1				
58	05+86.92	LACLEDE STATION	LT	1					
58	05+97.29	LACLEDE STATION	LT		1				
58	06+06.39	LACLEDE STATION	LT		1				
58	06+06.56	LACLEDE STATION	LT		1				
58	06+08.47	LACLEDE STATION	LT		1				
58	06+16.60	LACLEDE STATION	LT		1				
58	06+23.19	LACLEDE STATION	LT					1	SIGNAL
58	2242+00.57	RTE 366	RT					1	SIGNAL
58	2242+15.24	RTE 366	LT					1	SIGNAL
58	2242+21.59	RTE 366	RT		1				
58	2242+35.91	RTE 366	LT					1	ITS
58	2242+59.31	RTE 366	LT					1	SIGNAL
58	2242+73.19	RTE 366	LT	1					
58	2242+89.40	RTE 366	LT		1				
58	2242+94.32	RTE 366	RT		1				
58	2243+11.05	RTE 366	RT					1	SIGNAL
58	2243+30.28	RTE 366	RT	1					
58	2243+81.13	RTE 366	LT		1				
58	2244+26.99	RTE 366	LT	1					
58	2244+87.10	RTE 366	LT		1				
59	06+49.96	LACLEDE STATION	LT	1					
59	06+50.36	LACLEDE STATION	RT					1	SIGNAL
59	06+58.43	LACLEDE STATION	LT		1				
59	06+94.13	LACLEDE STATION	LT		1				
59	06+97.66	LACLEDE STATION	LT		1				
59	06+98.81	LACLEDE STATION	LT	1					
59	07+01.74	LACLEDE STATION	LT		1				
59	07+08.19	LACLEDE STATION	LT		1				
59	07+21.76	LACLEDE STATION	RT					1	SIGNAL
59	08+07.22	LACLEDE STATION	LT		1				
60	2246+43.56	RTE 366	LT		1				
60	2247+06.64	RTE 366	LT			1			
60	2249+37.00	RTE 366	RT		1				
60	2249+40.37	RTE 366	RT	1					
60	2249+49.82	RTE 366	LT	1					
60	2249+65.79	RTE 366	LT			1			
60	2249+91.73	RTE 366	LT		1				
60	2250+14.33	RTE 366	LT			1			
61	2253+04.60	RTE 366	LT			1			
61	2253+45.80	RTE 366	LT					1	ITS
62	2259+24.64	RTE 366	LT			1			
62	2261+66.75	RTE 366	RT			1			
63	2263+76.72	RTE 366	LT					1	ITS
63	2263+89.73	RTE 366	LT			1			
63	2266+25.44	RTE 366	RT		1				
64	2270+26.40	RTE 366	RT		1				
		SUBTOTAL 7		10	27	7	-	10	

SHEET 33 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
09/06/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED 9/5/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	3

COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
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ENGINEERING CORPORATION - 000631

ADJUST TO GRADE (8 OF 8)

SHEET NO.	STATION	ROADWAY	LOCATION	ADJUSTING BASIN OR INLET (EA)	ADJUSTING MANHOLE (EA)	ADJUST TO GRADE WATER VALVE (EA)	ADJUST TO GRADE WATER METER (EA)	ADJUST TO GRADE MODOT PULL BOX (EA)	REMARKS
64	2270+33.48	RTE 366	RT		1				
64	2270+57.25	RTE 366	RT		1				
65	2272+14.90	RTE 366	RT		1				
65	2276+85.95	RTE 366	RT		1				
66	2278+09.64	RTE 366	RT	1					
66	2279+49.70	RTE 366	RT	1					
67	2284+50.47	RTE 366	RT	1					
69	2293+58.04	RTE 366	RT					1	LIGHTING
73	2312+98.40	RTE 366	LT	1					
73	2313+77.91	RTE 366	LT	1					
73	2314+58.26	RTE 366	LT	1					
74	2315+18.70	RTE 366	LT	1					
74	2315+98.57	RTE 366	LT	1					
74	2316+66.40	RTE 366	LT	1					
74	2317+47.89	RTE 366	LT		1				
74	2318+17.52	RTE 366	LT	1					
75	2320+09.90	RTE 366	LT					1	LIGHTING
75	2321+20.63	RTE 366	LT	1					
75	2324+46.79	RTE 366	LT	1					
75	2324+51.52	RTE 366	LT					1	LIGHTING
76	2325+84.91	RTE 366	LT	1					
76	2328+19.31	RTE 366	LT	1					
76	2328+19.39	RTE 366	LT		1				
77	2330+39.77	RTE 366	RT			1			
77	2331+02.55	RTE 366	RT					1	LIGHTING
77	2333+79.41	RTE 366	LT		1				
77	2335+12.93	RTE 366	RT			1			
		SUBTOTAL 1		**31**	**10**	**1**	**-**	**1**	**FROM QTY SHEET 9 OF 62**
		SUBTOTAL 2		**48**	**11**	**8**	**1**	**2**	**FROM QTY SHEET 10 OF 62**
		SUBTOTAL 3		**45**	**13**	**5**	**1**	**4**	**FROM QTY SHEET 11 OF 62**
		SUBTOTAL 4		**21**	**13**	**11**	**1**	**8**	
		SUBTOTAL 5		**18**	**20**	**10**	**-**	**7**	
		SUBTOTAL 6		**24**	**21**	**10**	**2**	**3**	
		SUBTOTAL 7		**10**	**27**	**7**	**-**	**10**	
		SUBTOTAL 8		**14**	**7**	**2**	**-**	**4**	
		TOTAL		**211**	**122**	**54**	**5**	**39**	

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
09/06/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
9/5/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
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IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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ENGINEERING CORPORATION - 000631

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REV.

SHEET 34 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

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COLDMILLING AND PAVEMENT QUANTITIES (2 OF 3)

SHEET NO.	FROM STATION	TO STATION	ROADWAY	LOCATION	COLDMILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACING (3 IN. THICK OR LESS)	COLDMILLING CONCRETE PAVEMENT FOR REMOVAL OF SURFACE	ASPHALTIC CONCRETE MIXTURE PG 70-22 (SP095C MIX)	ASPHALTIC CONCRETE MIXTURE PG 70-22 (SP095CLP MIX)	TACK COAT - LOW TRACKING OR NON TRACKING	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK)	CONCRETE PAVEMENT (8.5 IN. NON-REINFORCED, 15 FT. JOINTS)	CONCRETE PAVEMENT (10 IN. NON-RE-INFORCED, 15 FT. JOINTS)	CONCRETE PAVEMENT (10 1/2 IN. NON-RE-INFORCED, 15 FT. JOINTS)	LINEAR GRADING CLASS 2, MODIFIED	CONCRETE APPROACH PAVEMENT	REMARKS
					(SQYD)	(SQYD)	(TONS)	(TONS)	(GAL)	(SQYD)	(SQYD)	(SQYD)	(SQYD)	(STA)	(SQYD)	
35	2126+00.00	2130+50.00	RTE 366		4174		340.9	337.4	626							
36	2130+50.00	2136+00.00	RTE 366		4481		369.0	365.3	678							
36	2133+60.17	2134+02.03	RTE 366								38.2					
37	2136+00.00	2141+50.00	RTE 366		4211		343.9	340.4	632							
38	2141+50.00	2147+00.00	RTE 366		3837	67	319.4	316.2	587							
38	2144+63.19	2145+25.22	RTE 366							28		27.6				PULLING BACK MEDIAN NOSE
38	4+45.76	4+66.78	WATSON INDUSTRIAL							139	138.8			0.8		SIDE STREET RECONSTRUCTION
38	5+33.61	5+48.61	WATSON INDUSTRIAL							96	96.2			0.8		SIDE STREET RECONSTRUCTION
38	2146+11.23	2146+98.32	RTE 366							39		39.2				PULLING BACK MEDIAN NOSE
39	2147+00.00	2148+75.44	RTE 366		1317		107.6	106.5	198							
39	2148+75.44	2148+94.17	RTE 366							146					145.6	
39	2150+08.18	2150+26.92	RTE 366							145					144.9	
39	2150+26.92	2151+25.02	RTE 366							722		722.2				
39	2151+25.02	2152+00.00	RTE 366		506	12	42.3	41.9	78							
39-40	2151+25.02	2152+05.38	RTE 366	RT						12			12.5			DRAINAGE
40	2152+00.00	2157+50.00	RTE 366		3771		308.0	304.8	566							
40	5+35.00	5+55.04	PARDEE							171	170.9			1.2		SIDE STREET RECONSTRUCTION
41	2157+50.00	2162+25.00	RTE 366		5268	53	434.6	430.1	798							
41	2159+04.38	2159+17.22	RTE 366	RT						9			9.2			DRAINAGE
41	4+09.15	4+61.20	GRANT	LT						22	21.7					MEDIAN REMOVAL
41	5+60.02	6+10.36	GRANT	LT						22	21.7					MEDIAN REMOVAL
42	2162+25.00	2167+00.00	RTE 366		3339	2	272.9	270.1	501							
42	2163+25.57	2163+33.57	RTE 366	RT						2			2.3			DRAINAGE
43	2167+00.00	2172+00.00	RTE 366		3550		289.9	286.9	532							
44	2172+00.00	2177+00.00	RTE 366		3502	9	286.7	283.8	527							
44-45	2176+20.30	2180+40.68	RTE 366	RT						73			72.8			DRAINAGE AND TEMPORARY SHORING
45	2177+00.00	2181+25.00	RTE 366		2726	64	227.8	225.5	418							
45	5+28.78	5+43.17	BLACKTHORN	RT						42	41.9			0.4		SIDE STREET RECONSTRUCTION
45	5+30.83	5+43.82	BLACKTHORN	LT						38	37.5			0.4		SIDE STREET RECONSTRUCTION
46	2181+25.00	2185+75.00	RTE 366		3434	2	280.6	277.8	515							
46	2182+83.91	2182+91.91	RTE 366	LT						2			2.2			DRAINAGE
47	2185+75.00	2190+25.00	RTE 366		4459	16	365.5	361.7	671							
47	2186+89.09	2186+99.09	RTE 366	RT						7			7.0			DRAINAGE
47	2187+07.26	2187+14.97	RTE 366	LT						2			2.3			DRAINAGE
47	2188+19.65	2188+27.65	RTE 366	LT						2			2.3			DRAINAGE
47	2189+94.36	2190+02.36	RTE 366	LT						2			2.2			DRAINAGE
48	2190+25.00	2195+50.00	RTE 366		3555	2	290.5	287.6	534							
48	2190+25.21	2190+33.21	RTE 366	RT						2			2.4			DRAINAGE
49	2195+50.00	2201+00.00	RTE 366		3926	5	321.0	317.7	590							
49	2199+16.05	2199+30.46	RTE 366	RT						5			4.7			DRAINAGE
50	2201+00.00	2206+50.00	RTE 366		4004	2	327.2	323.8	601							
50	2204+66.47	2204+74.47	RTE 366	LT						2			2.3			DRAINAGE
51	2206+50.00	2212+00.00	RTE 366		4391		358.6	354.9	659							
52	2212+00.00	2217+50.00	RTE 366		3798		310.1	307.0	570							
53	2217+50.00	2223+00.00	RTE 366		3857		315.0	311.8	579							
53	4+48.35	4+70.43	GIRARD							130	130.2			0.9		SIDE STREET RECONSTRUCTION
53	4+24.24	4+68.26	EDGAR							218	218.4			0.9		SIDE STREET RECONSTRUCTION
54	2223+00.00	2228+50.00	RTE 366		3077	20	252.9	250.3	465							
54	2224+87.41	2226+32.30	RTE 366	RT						20			19.9			DRAINAGE
55	2228+50.00	2233+50.00	RTE 366		2771	67	231.8	229.4	426							
55	4+45.95	4+75.82	CULVERHILL							130	129.7			0.7		SIDE STREET RECONSTRUCTION
55	2232+49.81	2232+57.81	RTE 366	LT						2			2.2			DRAINAGE
55-56	2231+32.64	2236+21.03	RTE 366							175		175.1				WIDENING
56	2233+50.00	2237+25.00	RTE 366		2228	147	193.9	192.0	356							
56	2234+80.06	2234+88.06	RTE 366	LT						2			2.2			DRAINAGE
57	2237+25.00	2241+00.00	RTE 366		2549	16	209.5	207.3	385							
58	2241+00.00	2245+75.00	RTE 366		6152		502.4	497.2	923							
59	6+25.00	11+00.00	LACLEDE STATION		2594		211.8	209.7	389							
				SUBTOTAL 2	**91,477**	**484**	**7,513.9**	**7,437.2**	**13,801**	**2,407**	**1,045.2**	**964.1**	**146.5**	**6.1**	**290.5**	

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/30/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED: 7/30/2024
MO ROUTE: 366 | STATE: MO
DISTRICT: SL | SHEET NO.: 3
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

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REV.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

SHEET 35 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

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COLDMILLING AND PAVEMENT QUANTITIES (3 OF 3)

SHEET NO.	FROM STATION	TO STATION	ROADWAY	LOCATION	COLDMILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACING (3 IN. THICK OR LESS)	COLDMILLING CONCRETE PAVEMENT FOR REMOVAL OF SURFACE	ASPHALTIC CONCRETE MIXTURE PG 70-22 (SP095C MIX)	ASPHALTIC CONCRETE MIXTURE PG 70-22 (SP095CLP MIX)	TACK COAT - LOW TRACKING OR NON TRACKING	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK)	CONCRETE PAVEMENT (8.5 IN. NON-REINFORCED, 15 FT. JOINTS)	CONCRETE PAVEMENT (10 IN. NON-RE-INFORCED, 15 FT. JOINTS)	CONCRETE PAVEMENT (10 1/2 IN. NON-RE-INFORCED, 15 FT. JOINTS)	LINEAR GRADING CLASS 2, MODIFIED	CONCRETE APPROACH PAVEMENT	REMARKS
					(SQYD)	(SQYD)	(TONS)	(TONS)	(GAL)	(SQYD)	(SQYD)	(SQYD)	(SQYD)	(STA)	(SQYD)	
60	2245+75.00	2251+00.00	RTE 366		3147		257.0	254.4	472							
60	4+61.59	4+76.19	PEMBROKE							71	71.3			0.6		SIDE STREET RECONSTRUCTION
61	2251+00.00	2256+50.00	RTE 366		3052		249.2	246.7	458							
61	5+24.09	5+36.27	ALDERSHOT							52	52.1			0.5		SIDE STREET RECONSTRUCTION
61	4+54.11	4+76.03	CROYTON							133	132.6			0.8		SIDE STREET RECONSTRUCTION
62	2256+50.00	2262+00.00	RTE 366		2936		239.8	237.3	440							
63	2262+00.00	2267+50.00	RTE 366		2865	69	239.6	237.2	440							
63	2265+99.40	2266+99.95	RTE 366							14			14.1			DRAINAGE
64	2267+50.00	2272+00.00	RTE 366		2783	17	228.7	226.3	420							
64	2269+26.17	2269+40.10	RTE 366	RT						4			4.0			DRAINAGE
64	2269+87.57	2269+95.53	RTE 366	RT						2			2.2			DRAINAGE
65	2272+00.00	2277+00.00	RTE 366		2886		235.7	233.3	433							
66	2277+00.00	2282+00.00	RTE 366		2957	2	241.6	239.2	444							
66	2279+17.17	2279+25.16	RTE 366	RT						2			2.2			DRAINAGE
67	2282+00.00	2287+00.00	RTE 366		2907		237.4	234.9	436							
68	2287+00.00	2292+50.00	RTE 366		3610	2	295.0	292.0	542							
68	2291+81.42	2291+89.42	RTE 366	RT						2			2.4			DRAINAGE
69	2292+50.00	2297+50.00	RTE 366		3574	2	292.0	289.1	536							
69	2293+11.07	2293+19.05	RTE 366	RT						2			2.2			DRAINAGE
70	2297+50.00	2301+25.00	RTE 366		2723		222.4	220.1	408							
71	2301+25.00	2305+00.00	RTE 366		2865		234.0	231.6	430							
72	2305+00.00	2310+00.00	RTE 366		2636	50	220.3	218.1	405							
72	2305+82.07	2306+08.95	RTE 366	LT						14			14.2			DRAINAGE
72	2306+12.86	2306+36.86	RTE 366	RT						18		17.7				BARRIER CONSTRUCTION
72	2307+69.99	2307+95.31	RTE 366	LT						13			13.1			DRAINAGE
72	2308+22.81	2308+30.81	RTE 366	LT						2			2.4			DRAINAGE
72	2309+02.55	2309+10.67	RTE 366	LT						2			2.3			DRAINAGE
73	2310+00.00	2315+00.00	RTE 366		3276		267.6	264.8	491							
74	2315+00.00	2320+00.00	RTE 366		4068		332.2	328.8	610							
75	2320+00.00	2325+00.00	RTE 366		3990		325.9	322.5	599							
76	2325+00.00	2330+25.00	RTE 366		4995		407.9	403.8	749							
77	2330+25.00	2336+00.00	RTE 366		3826		312.5	309.3	574							
			SUBTOTAL 1		107,660	-	8,792.2	8,702.2	16,149	727	653.4	123.8	-	12.9	-	FROM QTY SHEET 12 OF 62
			SUBTOTAL 2		91,477	484	7,513.9	7,437.2	13,801	2,407	1,045.2	964.1	146.5	6.1	290.5	
			SUBTOTAL 3		59,096	142	4,838.7	4,789.3	8,887	331	256.0	17.7	59.1	1.9	-	
			TOTAL		258,233	626	21,144.8	20,928.8	38,838	3,465	1,954.6	1,105.6	205.6	---	290.5	SEE SIDEWALK SCHEDULE ON QTY SHEET 49 OF 62 FOR LINEAR GRADING TOTAL

NOTE: NO ADDITIONAL PAY FOR COLDMILLING OF EXISTING UTILITY PATCHES.
NOTE: NEW FULL DEPTH PAVEMENT FOR WIDENING, DRAINAGE, AND MEDIAN REMOVAL PURPOSES WILL BE MILLED AND OVERLAYED. CONCRETE COLDMILL QUANTITY IS INCLUDED FOR THIS PURPOSE.

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/30/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/30/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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ENGINEERING CORPORATION - 000631

REV.

SHEET 36 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

DRIVEWAYS (2 OF 4)

SHEET NO.	CENTER-LINE STATION	ROADWAY	LOCATION	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK) (SQYD)	PAVED APPROACH, 7 IN., HIGH EARLY STRENGTH (SQYD)	PAVED APPROACH, 8 IN., HIGH EARLY STRENGTH (SQYD)	PAVED APPROACH, 8 IN. (SQYD)	LINEAR GRADING CLASS 2, MODIFIED (STA)	TYPE 1 AGGREGATE FOR BASE (8 IN. THICK) (SQYD)	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1) (TONS)	CONCRETE CURB (6 IN. HEIGHT AND UNDER) TYPE S (LF)	REMARKS
35	2129+10	RTE 366	RT	71			70.6	0.6				
36	2131+08	RTE 366	RT	55			54.9	0.5			6	
36	2131+55	RTE 366	RT	48			48.4	0.5			14	
36	2133+30	RTE 366	RT	76			76.2	0.5				
36	2133+97	RTE 366	RT	75			74.8	0.6			11	
37	2136+65	RTE 366	RT	187			186.9	0.9				
37	2140+27	RTE 366	RT	75			75.1	0.6			12	
37-38	2141+19	RTE 366	LT	80			79.9	0.7				
37-38	2141+41	RTE 366	RT	109			109.1	0.7				
38	2143+71	RTE 366	LT	70			69.9	0.6			5	
38	2144+38	RTE 366	LT	63			63.3	0.6			14	
39	2148+04	RTE 366	LT	93			92.7	0.7				
39	2148+53	RTE 366	RT	73			72.5	0.5			26	
39	2150+63	RTE 366	RT	57			56.7	0.5				
39	2150+68	RTE 366	LT	224			224.4	0.9			6	
39	2151+60	RTE 366	RT	66			66.3	0.7			40	INCLUDES CURB FOR SIDEWALK REMOVAL
40	2153+07	RTE 366	RT	67			67.1	0.6			6	INCLUDES CURB FOR SIDEWALK REMOVAL
40	2156+81	RTE 366	LT	73			73.1	0.7				
40-41	2157+35	RTE 366	RT	77			76.8	0.6				
41	2161+92	RTE 366	RT	72			71.7	0.7			35	
41-42	2162+71	RTE 366	RT	153			153.2	1.0			16	
42	2163+64	RTE 366	LT	84			84.2	0.6				
42	2165+39	RTE 366	LT	104			103.7	0.8				
42	2165+61	RTE 366	RT	369			368.9	1.5				
43	2168+39	RTE 366	LT	87			87.3	0.6				
43	2169+27	RTE 366	LT	73			73.4	0.6				
43	2169+54	RTE 366	RT	74			73.8	0.8			20	
44	2172+82	RTE 366	RT	120			120.2	0.9			20	
44	2176+26	RTE 366	LT	80			80.3	0.6				
45	2178+02	RTE 366	LT	65			64.5	0.6				
45	2178+90	RTE 366	LT	46			46.0	0.5				
45	2180+76	RTE 366	LT	44			43.7	0.5				
46	2181+65	RTE 366	RT	82			81.8	0.6	2	0.3	7	
46	2181+78	RTE 366	LT	84			84.1	0.7				
46	2182+48	RTE 366	LT	90			90.3	0.7				
46	2182+69	RTE 366	RT	76			75.5	0.7				
46	2183+35	RTE 366	LT	61			60.7	0.5				
46	2183+59	RTE 366	RT	71			70.6	0.7				
46	2183+99	RTE 366	LT	92			92.4	0.7			12	
47	2188+03	RTE 366	RT	98			97.8	0.7				
47	2188+64	RTE 366	RT	67			67.3	0.5				
47	2189+38	RTE 366	RT	75			74.5	0.5				
47	2189+53	RTE 366	LT	78			77.9	0.8			26	
47	2189+90	RTE 366	RT	68			68.0	0.5				
48	2190+59	RTE 366	RT	62			61.6	0.6				
48	2191+20	RTE 366	RT	87			86.8	0.6				
48	2191+29	RTE 366	LT	70			70.0	0.7			22	
48	2193+45	RTE 366	RT	62			61.5	0.5				CURB RADIUS RECONSTRUCTION
48	2194+19	RTE 366	RT	84			84.2	0.6				
48	2195+20	RTE 366	RT	87			86.8	0.6				
49	2195+76	RTE 366	RT	62			61.8	0.4	3	0.5	12	
49	2196+08	RTE 366	LT	47			47.2	0.5				
49	2198+28	RTE 366	LT	103			103.0	0.8				
49	2199+27	RTE 366	LT	81			81.1	0.7				
51	2211+40	RTE 366	RT	41			40.8	0.4				
52	2214+94	RTE 366	LT	41	40.6			0.4				
52	2215+14	RTE 366	RT	51			51.1	0.5				
52	2215+80	RTE 366	LT	46	45.5			0.4				
52	2215+82	RTE 366	RT	89			88.8	0.8				
52	2216+30	RTE 366	LT	42	41.6			0.4				
52	2216+81	RTE 366	LT	48	48.3			0.4				
52	2217+16	RTE 366	RT	53			53.0	0.5				
			SUBTOTAL 2	**5,108**	**176.0**	**-**	**4,928.2**	**39.1**	**5**	**0.8**	**310**	

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/30/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
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MO ROUTE	STATE
366	MO
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ENGINEERING CORPORATION - 000631

REV.

SHEET 37 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

DRIVEWAYS (3 OF 4)

SHEET NO.	CENTER-LINE STATION	ROADWAY	LOCATION	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK) (SQYD)	PAVED APPROACH, 7 IN., HIGH EARLY STRENGTH (SQYD)	PAVED APPROACH, 8 IN., HIGH EARLY STRENGTH (SQYD)	PAVED APPROACH, 8 IN. (SQYD)	LINEAR GRADING CLASS 2, MODIFIED (STA)	TYPE 1 AGGREGATE FOR BASE (8 IN. THICK) (SQYD)	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1) (TONS)	CONCRETE CURB (6 IN. HEIGHT AND UNDER) TYPE S (LF)	REMARKS
52-53	2217+33	RTE 366	LT	45	45.0			0.4				
52-53	2217+75	RTE 366	RT	53			53.2	0.5				
53	2218+59	RTE 366	RT	71		70.8		0.6				
53	2219+31	RTE 366	LT	45	45.1			0.4				
53	2219+83	RTE 366	LT	46	46.1			0.3				
53	2221+14	RTE 366	RT	43			42.9	0.5				
53	2221+80	RTE 366	RT	54			54.2	0.5				
54	2223+63	RTE 366	RT	43			42.7	0.5			34	
54	2224+11	RTE 366	RT	46			45.8	0.4			30	
54	2224+56	RTE 366	RT	43			43.3	0.4			13	
54	2225+18	RTE 366	RT	46			46.4	0.5			2	
54	2227+88	RTE 366	RT	61			61.2	0.6				
55	2229+01	RTE 366	RT	63			62.7	0.6				
55	2229+88	RTE 366	RT	65			65.3	0.5				
55	2230+68	RTE 366	RT	60			60.4	0.6			9	
55	2231+55	RTE 366	RT	56			56.1	0.6			12	
55	2231+94	RTE 366	LT	109			108.7	0.8			18	
55	2232+22	RTE 366	RT	53			52.8	0.5			22	
55	2232+95	RTE 366	RT	98			97.9	0.6	7	1.2		
55	2233+00	RTE 366	LT	70			70.4	0.8			30	
56	2233+92	RTE 366	RT	133			133.3	0.6	7	1.2		
56	2234+37	RTE 366	RT	39			39.0	0.3				
56	2235+34	RTE 366	LT	112			112.4	0.9				
57	2237+98	RTE 366	LT	32			31.7	0.2				
57	2239+14	RTE 366	LT	41			40.5	0.2				
58	2243+51	RTE 366	RT	77			77.2	0.4				
58	2243+92	RTE 366	RT	49			48.6	0.4				
58	2244+73	RTE 366	RT	91			91.4	1.0				
58,60	2245+66	RTE 366	RT	82			82.2	0.6				
59	6+85	LACLEDE STATION	LT	65			64.8	0.6				
60	2246+07	RTE 366	LT	53			52.9	0.5				
60	2246+85	RTE 366	LT	84			84.3	0.5				
60	2247+29	RTE 366	LT	70			70.3	0.4				
60	2247+38	RTE 366	RT	70			69.7	0.6			14	
60	2247+74	RTE 366	LT	93			93.1	0.5				
60	2248+52	RTE 366	RT	68			67.9	0.6				4 IN. MAX CURB HEIGHT ON EAST SIDE
60	2249+12	RTE 366	RT	62			62.4	0.5				
60	2250+44	RTE 366	RT	127			126.5	0.6	9	1.4	4	
60	2250+68	RTE 366	LT	99			99.0	0.7				4 IN. MAX CURB HEIGHT ON WEST SIDE
61	2251+52	RTE 366	LT	93			93.4	0.6				
61	2252+17	RTE 366	RT	108			108.3	0.7				
61	2252+29	RTE 366	LT	99			99.1	0.7				
61	2253+04	RTE 366	LT	86			85.8	0.6				
61	2253+41	RTE 366	RT	72			71.9	0.5	3	0.4		
61	2254+02	RTE 366	RT	55			54.9	0.4	1	0.2		
61	2254+18	RTE 366	LT	64			63.6	0.5				
61	2254+45	RTE 366	RT	48			48.1	0.5				
61	2255+09	RTE 366	LT	66			66.3	0.6				
61	2255+23	RTE 366	RT	50			50.4	0.5				
61-62	2256+57	RTE 366	RT	38			38.4	0.4				
62	2257+48	RTE 366	RT	52			52.1	0.5				
62	2257+84	RTE 366	LT	94			94.1	0.7				
62	2257+88	RTE 366	RT	47			46.8	0.4				
62	2258+32	RTE 366	RT	39			39.3	0.4				
62	2258+78	RTE 366	RT	50			50.1	0.5				
62	2259+43	RTE 366	RT	41			41.0	0.4				
62	2260+79	RTE 366	RT	175			174.8	0.8				
62	2261+44	RTE 366	RT	75			75.0	0.5				
63	2264+56	RTE 366	RT	154			153.8	0.8	2	0.4		
63	2265+69	RTE 366	RT	132			132.4	0.6	7	1.1		
63	2266+57	RTE 366	RT	97			96.7	0.7			15	
63	2267+23	RTE 366	RT	62			62.3	0.5				
64	2269+65	RTE 366	RT	70			69.8	0.5			10	4 IN. MAX CURB HEIGHT ON EAST SIDE
64	2271+38	RTE 366	RT	42			42.4	0.3	1	0.1		
65	2273+46	RTE 366	RT	58			57.5	0.5	1	0.1		
			SUBTOTAL 3	**4,584**	**136.2**	**70.8**	**4,379.5**	**34.8**	**38**	**6.1**	**213**	

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

09/06/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
9/5/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

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REV.

SHEET 38 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

DRIVEWAYS (4 OF 4)

SHEET NO.	CENTER-LINE STATION	ROADWAY	LOCATION	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK) (SQYD)	PAVED APPROACH, 7 IN., HIGH EARLY STRENGTH (SQYD)	PAVED APPROACH, 8 IN., HIGH EARLY STRENGTH (SQYD)	PAVED APPROACH, 8 IN. (SQYD)	LINEAR GRADING CLASS 2, MODIFIED (STA)	TYPE 1 AGGREGATE FOR BASE (8 IN. THICK) (SQYD)	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1) (TONS)	CONCRETE CURB (6 IN. HEIGHT AND UNDER) TYPE S (LF)	REMARKS
65	2275+67	RTE 366	RT	70			69.7	0.6				
65	2276+53	RTE 366	RT	80			80.0	0.5				
66	2277+55	RTE 366	RT	87			87.4	0.6				
66	2278+26	RTE 366	RT	66			66.2	0.6				
66	2278+86	RTE 366	RT	67			67.2	0.5				
66	2279+68	RTE 366	RT	77			77.0	0.7				
66	2280+86	RTE 366	RT	66			66.3	0.6				
68	2287+76	RTE 366	RT	109			108.6	1.0				
68	2290+00	RTE 366	RT	68			68.0	0.5				
68	2290+50	RTE 366	RT	76			75.6	0.5				
68	2292+15	RTE 366	RT	64			63.5	0.5				
69	2292+84	RTE 366	RT	55			54.9	0.5				
71	2302+73	RTE 366	LT	82			81.8	0.7				
76	2329+97	RTE 366	RT	53			53.3	0.5			9	
77	2330+67	RTE 366	RT	65			64.8	0.5				
77	2331+00	RTE 366	LT	178			177.6	1.1				
77	2331+35	RTE 366	RT	114			113.9	0.7	1	0.2	5	
77	2332+99	RTE 366	RT	77			77.4	0.7				
77	2333+62	RTE 366	RT	58			57.8	0.4				
77	2333+90	RTE 366	LT	92			91.5	0.7				
77	334+40	RTE 366	RT	64			64.0	0.6				
		SUBTOTAL 1		6,703	-	-	6,700.7	21.2	-	-	31	FROM QTY SHEET 14 OF 62
		SUBTOTAL 2		5,108	176.0	-	4,928.2	39.1	5	0.8	310	
		SUBTOTAL 3		4,584	136.2	70.8	4,379.5	34.8	38	6.1	213	
		SUBTOTAL 4		1,668	-	-	1,666.5	13.0	1	0.2	14	
		TOTAL		---	312.2	70.8	17,674.9	---	44	7.1	---	SEE SIDEWALK SCHEDULE ON QTY SHEET 49 OF 62 FOR TYPE 5 AGGREGATE & LINEAR GRADING TOTALS. SEE CURB SCHEDULE ON QTY SHEET 44 OF 62 FOR TYPE S CURB TOTAL

PAVEMENT REPAIR (1 OF 1)

SHEET NO.	FROM STATION	TO STATION	ROADWAY	LOCATION	PER AREA LENGTH	PER AREA WIDTH	NUMBER OF REPAIR AREAS	REPAIR AREA	FURNISHING AND PLACING CONCRETE MATERIAL FOR FULL DEPTH PAVEMENT REPAIR	SUBGRADE COMPACTION (6 IN. DEPTH) (PAVEMENT REPAIR)	TYPE 1 OR 5 AGGREGATE FOR BASE (4 IN. THICK) (PAVEMENT REPAIR) *	FULL DEPTH PAVEMENT REPAIR SAW CUT (FOR PERIMETER AND INTERNAL SAW CUTS) *	DOWEL BAR (DRILLING, FURNISHING AND INSTALLATION) FOR FULL DEPTH PAVEMENT REPAIR	DOWEL BAR (FURNISHING AND INSTALLATION WITH BASKETS) FOR FULL DEPTH PAVEMENT REPAIR	TIE BAR (DRILLING, FURNISHING AND INSTALLATION) FOR FULL DEPTH PAVEMENT REPAIR (TYPE L JOINTS)	REMARKS **
					(LF)	(LF)		(SF)	(SQYD)	(SQYD)	(SQYD)	(LF)	(EA)	(EA)	(EA)	
VAR.	2015+64.10	2033+59.95	RTE 366	EB	6	12	1	72	8.0	2	2	36	20			GEYER RD TO SUNSET OFFICE DR
VAR.	2015+64.10	2033+59.95	RTE 366	EB	6	24	1	144	16.0	3	3	66	40			GEYER RD TO SUNSET OFFICE DR, URBAN AIR
VAR.	2090+00.00	2095+00.00	RTE 366	EB	6	12	2	144	16.0	3	3	72	40			CRESTWOOD BOWL
VAR.	2094+00.00	2100+00.00	RTE 366	WB	6	12	1	72	8.0	2	2	36	20			GLENWOOD DR, WALGREENS
VAR.	2110+03.09	2128+16.89	RTE 366	WB	6	12	1	72	8.0	2	2	36	20			CRESTWOOD CROSSING ENTRANCE TO SAPPINGTON RD
VAR.	2128+16.89	2137+00.00	RTE 366	EB	6	12	4	288	32.0	6	6	144	80			CRESTWOOD CROSSING CENTER ENTRANCE TO WATSON ROAD WEST U-TURN, FARMERS INSURANCE AND BMO HARRIS
VAR.	2137+00.00	2142+00.00	RTE 366	EB	50	14	1	700	77.8	16	16	240	20	30	38	WEST WATSON U-TURN
VAR.	2137+00.00	2142+00.00	RTE 366	EB	6	12	10	720	80.0	16	16	360	200			WEST WATSON U-TURN
VAR.	2138+62.21	2145+65.59	RTE 366	WB	12	12	1	144	16.0	3	3	60	20			WATSON INDUSTRIAL PARK DR TO CRESTWOOD CROSSING EAST ENTRANCE, GUITAR CENTER
VAR.	2159+26.66	2186+63.70	RTE 366	WB	12	12	1	144	16.0	3	3	60	20			ELM AVE TO GRANT RD
VAR.	2159+26.66	2186+63.70	RTE 366	WB	6	18	1	108	12.0	2	2	54	40			ELM AVE TO GRANT RD
VAR.	2159+26.66	2186+63.70	RTE 366	WB	70	12	1	840	93.3	19	19	296	20	40	54	ELM AVE TO GRANT RD, ARSENAL CREDIT UNION
VAR.	2159+26.66	2186+63.70	RTE 366	WB	6	12	2	144	16.0	3	3	72	40			ELM AVE TO GRANT RD, LAWN CARE
VAR.	2184+50.00	2189+50.00	RTE 366	EB	6	12	1	72	8.0	2	2	36	20			WATSON RD AND ELM AVE INTERSECTION
VAR.	2198+82.84	2236+61.88	RTE 366	EB	150	6	1	900	100.0	20	20	456	10	45	118	GENERAL GRANT TO GRANT VILLAGE DR, UTILITY PATCHES
VAR.	2198+82.84	2236+61.88	RTE 366	EB	6	12	2	144	16.0	3	3	72	40			GENERAL GRANT TO GRANT VILLAGE DR
VAR.	2234+00.00	2239+00.00	RTE 366	WB	6	12	2	144	16.0	3	3	72	40			GRANT VILLAGE DR
VAR.	2246+78.31	2252+78.81	RTE 366	EB	30	12	1	360	40.0	8	8	132	20	10	22	PEMBROKE DR
VAR.	2305+00.00	2310+00.00	RTE 366	EB	30	12	2	720	80.0	16	16	264	40	20	44	RAILROAD BRIDGE
VAR.	2305+00.00	2310+00.00	RTE 366	WB	6	12	2	144	16.0	3	3	72	40			RAILROAD BRIDGE
VAR.	2315+00.00	2320+00.00	RTE 366	WB	6	12	2	144	16.0	3	3	72	40			JACOBS COAL ROAD
VAR.	2327+09.64	2336+94.38	RTE 366	WB	40	18	1	720	80.0	16	16	264	40	40	45	CREIGHTON DR TO MACKENZIE POINT
VAR.	15+00.00	25+00.00	GEYER RD	NB	6	12	8	576	64.0	13	13	288	160			WATSON RD TO SUNSET HILLS CITY
VAR.	15+00.00	25+00.00	GEYER RD	SB	6	12	8	576	64.0	13	13	288	160			SUNSET HILLS CITY TO WATSON RD
VAR.	VAR.	VAR.	VAR.	VAR.	6	12	11	792	88.0	18	18	396	220			10% OF TOTAL PAVEMENT REPAIR AREA
								TOTAL	987.1	197	197	3,944	1,410	185	321	

* SUBGRADE COMPACTION AGGREGATE ARE ESTIMATED TO BE 20% OF EACH REPAIR AREA. DISTRIBUTION OF WORK THROUGHOUT THE PROJECT AREA MAY VARY.
** QUANTITIES FOR USE AS DIRECTED BY THE ENGINEER.

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

09/06/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
9/5/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION | DATE | REV.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

SHEET 39 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

CURB (2 OF 6)

SHEET NO.	FROM STATION	TO STATION	ROADWAY	LOCATION	CURB AND GUTTER TYPE B (LF)	INTEGRAL CURB (6 IN. HEIGHT AND UNDER) TYPE A (LF)	INTEGRAL CURB (OVER 6 IN. HEIGHT) TYPE A (LF)	CONCRETE CURB (6 IN. HEIGHT AND UNDER) TYPE S (LF)	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK) (SQYD)	CONCRETE GUTTER TYPE A (LF)	REMARKS
35	2126+99.74	2127+28.95	RTE 366	RT				29			
35	2129+39.57	2129+49.57	RTE 366	RT	10				3		
36	2130+68.56	2130+78.56	RTE 366	RT	10				3		
36	2131+81.75	2131+91.75	RTE 366	RT	10				3		
36	2132+94.31	2133+04.31	RTE 366	RT	10				3		
36	2133+53.08	2133+69.12	RTE 366	RT	16				5		
36	2134+25.54	2134+35.54	RTE 366	RT	10				3		
36	2134+47.38	2134+57.38	RTE 366	RT	10				3		
37	2139+82.84	2139+99.59	RTE 366	RT	17				6		
37	2140+55.03	2140+77.89	RTE 366	RT	23				8		
37	2140+81.39	2140+91.39	RTE 366	LT	10				3		
37	2140+99.28	2141+06.99	RTE 366	RT	8				3		
38	2141+74.66	2141+94.66	RTE 366	RT	20				7		
38	2141+86.38	2143+44.95	RTE 366	LT	159				53		
38	2144+01.09	2144+08.61	RTE 366	LT	8				3		
38	2144+67.79	2145+32.71	RTE 366	LT	65				22		
38	2144+95.77	2145+25.78	RTE 366	RT	30				10		
38	2145+32.71	2145+46.23	RTE 366	LT				16			NW QUADRANT WATSON INDUSTRIAL CT
38	2145+43.55	2145+48.69	RTE 366	RT				8			SW QUADRANT BROOKVIEW DR (WEST)
38	2145+86.73	2145+91.95	RTE 366	RT				8			SE QUADRANT BROOKVIEW DR (WEST)
38	2145+94.92	2146+15.91	RTE 366	LT				25			NE QUADRANT WATSON INDUSTRIAL CT
38	2146+10.03	2146+58.74	RTE 366	RT	49				16		
38	2146+15.93	2146+26.89	RTE 366	LT	11				4		
38	2146+45.76	2146+64.76	RTE 366	LT		25					AROUND BUS STOP PAD
38-39	2146+77.92	2147+24.92	RTE 366	LT	47				16		
39	2147+35.58	2147+45.58	RTE 366	RT	10				3		
39	2147+57.57	2147+67.57	RTE 366	LT	10				3		
39	5+42.81	5+62.58	BROOKVIEW	RT				22			
39	5+42.68	5+62.51	BROOKVIEW	LT				22			
39	2148+40.08	2148+49.89	RTE 366	LT	10				3		
39	2148+75.44	2148+97.32	RTE 366	LT				22			
39	2150+05.04	2150+26.92	RTE 366	RT				22			
39	2150+11.33	2150+17.58	RTE 366	LT				6			
39	2150+26.92	2150+36.67	RTE 366	RT	10				3		
39	2150+90.59	2151+25.63	RTE 366	RT	35				12		
39	2151+13.18	2151+33.77	RTE 366	LT	21				7		
39-40	2151+94.81	2152+78.60	RTE 366	RT	84				28		
40	3+74.75	3+81.07	PARDEE	RT				10			
40	2153+35.07	2153+66.55	RTE 366	RT	31				10		
40	2153+66.55	2154+15.24	RTE 366	RT				40			SW QUADRANT PARDEE
40	5+77.07	5+94.78	PARDEE	LT				18			
40	5+78.03	5+86.85	PARDEE	RT				9			
40	2154+60.28	2154+68.19	RTE 366	RT				13			SE QUADRANT PARDEE
40	2154+86.68	2154+92.98	RTE 366	RT	6				2		
40	2156+35.74	2156+45.74	RTE 366	LT	10				3		
40	2156+94.82	2157+04.78	RTE 366	RT	10				3		
40	2157+15.95	2157+26.15	RTE 366	LT	10				3		
41	2157+66.93	2157+82.55	RTE 366	RT	16				5		
				SUBTOTAL 2	**786**	**25**	**-**	**270**	**259**	**-**	

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CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/30/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/30/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	3

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ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

SHEET 40 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

CURB (3 OF 6)

SHEET NO.	FROM STATION	TO STATION	ROADWAY	LOCATION	CURB AND GUTTER TYPE B (LF)	INTEGRAL CURB (6 IN. HEIGHT AND UNDER) TYPE A (LF)	INTEGRAL CURB (OVER 6 IN. HEIGHT) TYPE A (LF)	CONCRETE CURB (6 IN. HEIGHT AND UNDER) TYPE S (LF)	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK) (SQYD)	CONCRETE GUTTER TYPE A (LF)	REMARKS
41	2158+19.46	2158+94.90	RTE 366	LT	89				30		
41	2158+47.29	2158+57.31	RTE 366	RT	10				3		
41	2159+01.37	2159+24.85	RTE 366	RT	28				9		
41	2159+68.03	2161+96.81	RTE 366	LT	236				79		
41	2160+01.78	2160+19.49	RTE 366	RT	30				10		
42	2163+22.13	2163+32.16	RTE 366	LT	10				3		
42	2163+28.46	2164+95.11	RTE 366	RT	167				56		
42	2163+90.93	2164+00.92	RTE 366	LT	10				3		
42-43	2165+86.17	2168+01.52	RTE 366	LT			215				12" MAX HEIGHT
42-43	2166+40.62	2169+16.10	RTE 366	RT	273				91		
43	2168+01.52	2168+11.43	RTE 366	LT	10				3		
43	2168+66.99	2168+76.91	RTE 366	LT	10				3		
43	2168+88.67	2168+98.59	RTE 366	LT	10				3		
43	2169+55.59	2169+65.50	RTE 366	LT	10				3		
43	2170+18.36	2170+28.28	RTE 366	LT	10				3		
43	2170+85.12	2170+95.04	RTE 366	LT	10				3		
43-44	2169+93.11	2172+36.24	RTE 366	RT	241				80		
44	2173+26.32	2175+23.03	RTE 366	RT	196				65		
44	2173+27.79	2175+01.93	RTE 366	LT		165	18				12" MAX HEIGHT
44	2175+36.66	2175+41.59	RTE 366	RT				17			
44	2175+79.46	2175+83.06	RTE 366	RT				16			
44	2175+84.99	2175+94.91	RTE 366	LT	10				3		
44	2176+55.83	2176+65.74	RTE 366	LT	10				3		
44-45	2175+96.56	2180+40.38	RTE 366	RT	445				148		
45	2177+63.49	2177+73.49	RTE 366	LT	10				3		
45	2178+29.73	2178+39.73	RTE 366	LT	10				3		
45	2178+54.48	2178+64.48	RTE 366	LT	10				3		
45	2179+14.58	2179+24.58	RTE 366	LT	10				3		
45	2180+41.61	2180+51.61	RTE 366	LT	10				3		
45	5+38.72	5+43.19	BLACKTHORN	RT				5			
45	5+39.92	5+43.14	BLACKTHORN	RT				3			
45	2180+81.52	2180+85.45	RTE 366	RT	4				1		
45	5+40.65	5+43.82	BLACKTHORN	LT				3			
45	5+40.38	5+43.78	BLACKTHORN	LT				4			
45	2181+00.28	2181+10.18	RTE 366	LT	10				3		
45-46	2181+23.52	2181+33.54	RTE 366	RT	10				3		
46	2181+36.40	2181+46.40	RTE 366	LT	10				3		
46	2181+90.08	2182+42.28	RTE 366	RT	42			52	14		
46	2182+86.39	2183+11.41	RTE 366	LT	25				8		
46	2182+95.65	2183+30.25	RTE 366	RT	19			37	6		
46	2183+59.52	2183+68.79	RTE 366	LT	9				3		
46	2184+03.30	2184+65.27	RTE 366	RT				117			
46-47	2184+35.21	2186+63.98	RTE 366	LT	247				82		
47	4+17.91	4+24.93	ELM	LT				7			
47	2186+78.16	2187+47.40	RTE 366	RT				92			
47	2187+01.79	2189+12.75	RTE 366	LT	225				75		
47	2187+20.40	2187+68.17	RTE 366	RT	48				16		
47	2188+88.86	2189+10.96	RTE 366	RT	22				7		
47-48	2189+92.41	2190+91.14	RTE 366	LT	99				33		
47-48	2190+14.33	2190+30.17	RTE 366	RT	16				5		
48	2191+49.47	2192+02.33	RTE 366	RT	53				18		
48	2191+62.09	2191+78.09	RTE 366	LT	16				5		
48	2192+41.08	2192+51.08	RTE 366	LT	10				3		
48	2192+52.30	2192+62.30	RTE 366	RT	10				3		
48	2193+10.14	2193+20.14	RTE 366	RT	10				3		
48	2193+31.01	2193+41.01	RTE 366	LT	10				3		
48	2193+70.64	2193+88.43	RTE 366	RT	18				6		
48	2194+01.53	2194+11.53	RTE 366	LT	10				3		
				SUBTOTAL 3	**2,788**	**165**	**233**	**353**	**919**	**-**	

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/30/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/30/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

SHEET 41 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

CURB (4 OF 6)

SHEET NO.	FROM STATION	TO STATION	ROADWAY	LOCATION	CURB AND GUTTER TYPE B (LF)	INTEGRAL CURB (6 IN. HEIGHT AND UNDER) TYPE A (LF)	INTEGRAL CURB (OVER 6 IN. HEIGHT) TYPE A (LF)	CONCRETE CURB (6 IN. HEIGHT AND UNDER) TYPE S (LF)	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK) (SQYD)	CONCRETE GUTTER TYPE A (LF)	REMARKS
48	2194+49.06	2194+59.06	RTE 366	RT	10				3		
48	2194+79.79	2194+89.79	RTE 366	RT	10				3		
48-49	2195+49.18	2195+56.26	RTE 366	RT	7				2		
49	2195+74.11	2195+84.12	RTE 366	LT	10				3		
49	2195+95.41	2196+05.41	RTE 366	RT	10				3		
49	2196+05.41	2197+35.79	RTE 366	RT			130				12" MAX HEIGHT
49	2196+76.77	2197+63.82	RTE 366	LT	87			83	29		
49	2197+35.79	2197+45.75	RTE 366	RT	10				3		
49	2197+53.25	2197+54.06	RTE 366	RT				5			
49	2197+79.93	2197+89.93	RTE 366	LT	10				3		
49	2197+83.46	2197+84.17	RTE 366	RT				5			
49	2197+91.65	2198+01.64	RTE 366	RT	10				3		
49	2198+01.64	2198+31.95	RTE 366	RT			30				12" MAX HEIGHT
49	2198+31.95	2198+63.49	RTE 366	RT	34				11		
49	2198+66.58	2198+90.11	RTE 366	LT	32				11		
49	2199+03.17	2199+34.98	RTE 366	RT	47				16		
49	2199+61.88	2199+71.88	RTE 366	LT	10				3		
49	2199+99.08	2200+86.28	RTE 366	LT	87			49	29		
50	2203+11.96	2203+21.96	RTE 366	RT	10				3		
50	2203+29.74	2203+30.71	RTE 366	RT				5			
50	2203+79.85	2203+80.74	RTE 366	RT				5			
50	2203+89.34	2203+99.34	RTE 366	RT	10				3		
50	2204+52.89	2204+95.60	RTE 366	LT	48				16		
50	2205+43.51	2205+72.14	RTE 366	LT	30				10		
50-51	2206+46.59	2206+56.59	RTE 366	RT	10				3		
51	2207+23.26	2207+33.26	RTE 366	RT	10				3		
51	2209+07.55	2209+41.02	RTE 366	RT	38				13		
51	2209+34.17	2209+48.30	RTE 366	LT	21				7		
51	2209+86.01	2210+00.93	RTE 366	LT	22				7		
51	2209+92.59	2210+71.45	RTE 366	RT	83			36	28		
51	2210+10.78	2210+37.49	RTE 366	LT	27				9		
51	2210+37.49	2212+00.00	RTE 366	LT		163					
51	2210+80.55	2210+81.53	RTE 366	RT				5			
51	2211+11.38	2211+12.26	RTE 366	RT				5			
51	2211+60.01	2211+70.01	RTE 366	RT	10				3		
52	2213+01.39	2213+11.39	RTE 366	RT	10				3		
52	2213+59.70	2213+69.70	RTE 366	RT	10				3		
52	2214+22.85	2214+32.85	RTE 366	RT	10				3		
52	2215+13.39	2215+57.02	RTE 366	LT		44					
52	2215+99.62	2216+10.04	RTE 366	LT	10		10		3		12" MAX HEIGHT
52	2216+22.51	2216+41.73	RTE 366	RT	19				6		
52	2216+49.08	2216+59.25	RTE 366	LT			10				12" MAX HEIGHT
52	2217+01.00	2217+12.60	RTE 366	LT			12				12" MAX HEIGHT
52	2217+41.38	2217+47.90	RTE 366	RT	7				2		
53	2217+52.45	2218+08.49	RTE 366	LT			56				12" MAX HEIGHT
53	2218+00.33	2218+26.60	RTE 366	RT	26				9		
53	2218+03.71	2218+34.57	RTE 366	LT				16			NW QUADRANT GIRARD
53	2218+65.82	2218+88.78	RTE 366	LT				20			NE QUADRANT GIRARD
53	2218+90.77	2219+00.77	RTE 366	RT	10				3		
53	2218+92.90	2219+11.69	RTE 366	LT		19					
53	2219+50.56	2219+64.35	RTE 366	LT		14					
53	2220+03.20	2220+72.31	RTE 366	LT			70				12" MAX HEIGHT
53	2220+54.30	2220+75.64	RTE 366	LT				21			
53	2220+81.07	2220+91.07	RTE 366	RT	10				3		
53	4+24.24	4+37.39	EDGAR	RT				13			
53	4+24.24	4+40.05	EDGAR	LT				16			
53	2221+25.67	2221+44.00	RTE 366	LT				18			
53	2221+36.19	2221+52.95	RTE 366	RT	17				6		
				SUBTOTAL 4	**822**	**240**	**318**	**302**	**268**	**-**	

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/30/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/30/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

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SHEET 42 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

CURB (5 OF 6)

SHEET NO.	FROM STATION	TO STATION	ROADWAY	LOCATION	CURB AND GUTTER TYPE B (LF)	INTEGRAL CURB (6 IN. HEIGHT AND UNDER) TYPE A (LF)	INTEGRAL CURB (OVER 6 IN. HEIGHT) TYPE A (LF)	CONCRETE CURB (6 IN. HEIGHT AND UNDER) TYPE S (LF)	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK) (SQYD)	CONCRETE GUTTER TYPE A (LF)	REMARKS
53	2221+40.60	2223+00.00	RTE 366	LT		77	82				12" MAX HEIGHT
53-54	2222+07.55	2223+34.73	RTE 366	RT	127				42		
54	2223+74.13	2224+51.01	RTE 366	LT			77				12" MAX HEIGHT
54	2223+82.73	2223+90.45	RTE 366	RT	8				3		
54	2224+67.70	2225+05.25	RTE 366	RT	13			33	4		
54	2225+29.66	2225+40.42	RTE 366	RT				11			
54	2225+40.42	2226+71.13	RTE 366	RT	131				44		
54	2226+85.50	2226+91.13	RTE 366	RT				12			
54	2227+18.10	2227+25.75	RTE 366	RT				13			
54	2227+41.38	2227+66.19	RTE 366	RT	15			27	5		
54-55	2228+15.56	2228+71.73	RTE 366	RT	56			49	19		
55	2226+21.89	2229+68.30	RTE 366	RT	29			48	10		
55	2230+06.59	2230+37.07	RTE 366	RT	22			30	7		
55	2230+59.18	2230+90.74	RTE 366	LT	32				11		INCLUDES INLET DEPRESSION
55	2230+90.74	2231+17.80	RTE 366	LT				31			NW QUADRANT CULVERHILL
55	2230+98.19	2231+25.22	RTE 366	RT	27				9		
55	4+37.65	4+70.38	CULVERHILL	LT				41			NE QUADRANT CULVERHILL
55	2231+80.49	2231+95.76	RTE 366	RT	15				5		
55	2232+39.58	2232+59.87	RTE 366	LT	20				7		
55	2232+45.85	2232+67.62	RTE 366	RT	22			15	7		
55-56	2233+23.02	2233+60.45	RTE 366	RT	37			31	12		
55-56	2233+44.04	2234+90.11	RTE 366	LT	146				49		
56	2234+52.87	2236+37.73	RTE 366	RT				184			
56-57	2235+78.34	2237+71.36	RTE 366	LT	194				65		
57	2237+71.36	2238+03.36	RTE 366	LT				32			
57	2239+91.93	2240+15.49	RTE 366	RT				24			
58	2241+22.90	2241+60.49	RTE 366	LT				38			
58	2244+12.90	2244+32.88	RTE 366	RT	9			26	3		
58	2245+13.30	2245+46.09	RTE 366	RT	16			38	5		
58	5+91.67	6+15.22	LACLEDE	RT				24			
59	5+83.57	5+88.57	HEEGE	LT				5			
60	2245+85.64	2246+65.01	RTE 366	RT	59			196	20		
60	2246+36.46	2246+63.79	RTE 366	LT	19			17	6		
60	5+29.90	5+54.33	MARTYS	LT				26			
60	2247+68.19	2248+22.41	RTE 366	RT	54				18		
60	2248+78.94	2248+85.05	RTE 366	RT	6				2		
60	2249+39.34	2249+48.84	RTE 366	RT	10				3		
60	4+61.15	4+73.65	PEMBROKE	RT				21			
60	4+50.59	4+73.62	PEMBROKE	LT				24			
60	5+27.93	5+45.96	PEMBROKE	RT				23			
60	5+26.89	5+44.41	PEMBROKE	LT				23			
60	2250+02.59	2250+28.03	RTE 366	LT	25				8		
60	2250+08.71	2250+12.02	RTE 366	RT	3				1		
60-61	2250+62.57	2251+82.60	RTE 366	RT	113			83	38		
60-61	2250+88.43	2251+26.97	RTE 366	LT	28			39	9		
61	2251+78.99	2252+01.63	RTE 366	LT	13			23	4		
61	2252+46.81	2252+66.31	RTE 366	RT				38			
61	2252+56.65	2252+80.46	RTE 366	LT	14			24	5		
61	2252+90.86	2253+05.94	RTE 366	RT				18			
61	2253+05.94	2253+15.57	RTE 366	RT	10				3		
61	2253+28.48	2253+91.11	RTE 366	LT	58			8	19		
61	2253+54.40	2253+89.03	RTE 366	RT	20			35	7		
61	2254+14.13	2254+33.05	RTE 366	RT				20			
61	2254+45.80	2254+79.82	RTE 366	LT	34				11		
61	2254+68.68	2255+00.39	RTE 366	RT	32				11		
61	2255+35.46	2255+66.42	RTE 366	RT	6			62	2		
				SUBTOTAL 5	**1,423**	**77**	**159**	**1,392**	**474**	**-**	

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CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

09/06/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
9/5/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	3

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ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

SHEET 43 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

CURB (6 OF 6)

SHEET NO.	FROM STATION	TO STATION	ROADWAY	LOCATION	CURB AND GUTTER TYPE B (LF)	INTEGRAL CURB (6 IN. HEIGHT AND UNDER) TYPE A (LF)	INTEGRAL CURB (OVER 6 IN. HEIGHT) TYPE A (LF)	CONCRETE CURB (6 IN. HEIGHT AND UNDER) TYPE S (LF)	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK) (SQYD)	CONCRETE GUTTER TYPE A (LF)	REMARKS
61	2255+35.87	2255+41.21	RTE 366	LT	5				2		
61	2255+41.21	2255+63.33	RTE 366	LT				30			
61	2255+90.55	2256+07.50	RTE 366	RT				27			
61	2256+04.63	2256+24.69	RTE 366	LT				25			
61-62	2256+24.69	2257+51.98	RTE 366	LT	127				42		
62	2259+01.58	2259+22.12	RTE 366	RT	21				7		
62	2259+63.56	2259+92.83	RTE 366	RT	29				10		
62	2260+18.06	2260+41.28	RTE 366	RT	23				8		
62-63	2261+68.92	2262+42.39	RTE 366	RT	73				24		
63	2262+20.03	2263+24.29	RTE 366	RT			104				12" MAX HEIGHT
63	2263+24.29	2263+49.28	RTE 366	RT	25				8		
63	2263+29.21	2263+44.21	RTE 366	LT	15				5		
63	2263+69.39	2263+94.41	RTE 366	RT		29					
63	2264+87.81	2265+47.02	RTE 366	RT				59			
63	2265+99.39	2266+22.77	RTE 366	RT	23				8		
63-64	2267+49.48	2269+37.34	RTE 366	RT	188				63		
64	2269+90.48	2271+20.67	RTE 366	RT	130				43		
64-65	2271+55.47	2273+21.15	RTE 366	RT	166				55		
65	2273+70.65	2275+34.77	RTE 366	RT	164			158	55		
65	2275+99.69	2276+27.01	RTE 366	RT	27				9		
65-66	2276+78.61	2277+23.98	RTE 366	RT	45				15		
66	2277+87.64	2277+96.84	RTE 366	RT	9				3		
66	2278+55.05	2278+60.12	RTE 366	RT	5				2		
66	2279+10.82	2279+28.96	RTE 366	RT	18				6		
66	2279+96.09	2280+60.31	RTE 366	RT	64				21		
66-67	2281+20.82	2287+27.59	RTE 366	RT	607				202		
67	2283+51.99	2284+27.98	RTE 366	LT	76				25		
68	2288+23.48	2289+72.45	RTE 366	RT	149				50		
68	2291+79.80	2291+89.79	RTE 366	RT	10				3		
68-69	2292+39.99	2292+59.27	RTE 366	RT	19				6		
69	2293+08.55	2293+19.08	RTE 366	RT	11				4		
71	2302+91.65	2302+97.15	RTE 366	LT				18			
71	2302+97.15	2304+27.39	RTE 366	LT	143	21			48		
72	2306+99.49	2307+90.15	RTE 366	LT			91				12" MAX HEIGHT
72-74	2308+00.00	2313+49.56	RTE 366	LT	550				183		
74	2318+09.82	2320+00.00	RTE 366	LT		190					
75	2320+50.33	2323+00.33	RTE 366	LT		250					
75-76	2324+98.73	2326+17.39	RTE 366	LT		119					
76	2327+97.33	2329+50.33	RTE 366	LT		153					
76	2329+50.24	2329+53.59	RTE 366	RT				6			
77	2331+55.38	2331+65.38	RTE 366	LT	10				3		
77	2331+69.07	2331+79.07	RTE 366	RT	10				3		
77	2332+56.75	2332+66.85	RTE 366	RT	10				3		
77	2333+01.36	2333+48.39	RTE 366	LT	47				16		
77	2333+34.09	2333+37.79	RTE 366	RT	4				1		
77	2333+80.10	2333+90.08	RTE 366	RT	10				3		
77	2333+99.81	2334+09.79	RTE 366	RT	10				3		
77	2334+69.12	2334+96.16	RTE 366	RT	27				9		
SUBTOTAL 1					**1,859**	**44**	**82**	**590**	**618**	**59**	**FROM QTY SHEET 13 OF 62**
SUBTOTAL 2					**786**	**25**	**-**	**270**	**259**	**-**	
SUBTOTAL 3					**2,788**	**165**	**233**	**353**	**919**	**-**	
SUBTOTAL 4					**822**	**240**	**318**	**302**	**268**	**-**	
SUBTOTAL 5					**1,423**	**77**	**159**	**1,392**	**474**	**-**	
SUBTOTAL 6					**2,850**	**762**	**195**	**323**	**948**	**-**	
SUBTOTAL FROM DRIVEWAYS					**-**	**-**	**-**	**568**	**-**	**-**	**FROM QTY SHEET 39 OF 62**
TOTAL					**10,528**	**1,313**	**987**	**3,798**	**---**	**59**	**SEE SIDEWALK SCHEDULE ON QTY SHEET 49 OF 62 FOR TYPE 5 AGGREGATE TOTAL**

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
09/06/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
9/5/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ENGINEERING CORPORATION - 000631

REV.

SHEET 44 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

MEDIAN (2 OF 2)

SHEET NO.	FROM STATION	TO STATION	ROADWAY	LOCATION	INTERSECTION QUADRANT	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK)	6 IN. CONCRETE MEDIAN STRIP	CONCRETE SIDEWALK, 7 IN.	TRUNCATED DOMES	LINEAR GRADING CLASS 2, MODIFIED	18 IN. YELLOW ISLAND TUBULAR MARKER	18 IN. WHITE ISLAND TUBULAR MARKER	REMARKS
						(SQYD)	(SQYD)	(SQYD)	(SQFT)	(STA)	(EA)	(EA)	
37	2136+52.51	2136+75.71	RTE 366	RT	DRIVEWAY		26.4						ISLAND REPLACEMENT
38	2144+63.19	2144+65.22	RTE 366	LT	CENTER	1	0.7	0.7		0.1	1		ISLAND NOSE RECONSTRUCTION
38-39	2146+96.23	2148+94.78	RTE 366	LT/RT	CENTER	148	147.7	147.7		2.5			WEST OF BRIDGE
39-40	2150+07.89	2153+62.01	RTE 366	LT	CENTER	181	181.4	181.4		2.4	27		EAST OF BRIDGE
40	2153+32.86	2153+95.48	RTE 366	LT	NW	34		34.3	20	0.6		2	ISLAND MODIFICATION
40	4+44.30		PARDEE LN	C	CENTER						1		EXISTING MEDIAN
40	2154+29.06	2154+55.96	RTE 366	LT	NE	38	29.0	38.4	20	0.3		3	ISLAND REPLACEMENT
40	2154+34.32		RTE 366	RT	CENTER						1		REPLACE MISSING MARKER ON EXISTING ISLAND
40	2154+14.13	2154+30.20	RTE 366	RT	SW		10.1		20		1	2	ISLAND REPLACEMENT
40	2154+42.11	2154+52.13	RTE 366	RT	SE		3.5		22			3	ISLAND REPLACEMENT
40	2154+94.18	2155+17.75	RTE 366	CL	CENTER	37	16.9	36.9	51	0.2	5		ISLAND MODIFICATION
41	2158+74.48	2158+93.34	RTE 366	LT	CENTER	8	8.0	8.0		0.2	1		ISLAND NOSE RECONSTRUCTION
41	2158+99.19	2159+13.13	RTE 366	LT	NW	14	6.5	14.3	31	0.2		3	ISLAND REPLACEMENT
41	2159+13.72	2159+33.41	RTE 366	RT	SW	18	9.0	18.0	31	0.2		3	ISLAND REPLACEMENT
41	4+42.30	4+61.20	GRANT	LT	CENTER	8	7.7	7.7		0.2	1		ISLAND NOSE RECONSTRUCTION
41	5+56.50	5+81.33	GRANT	LT	CENTER	11	10.6	10.6		0.2	1		ISLAND NOSE RECONSTRUCTION
41	2159+61.45	2159+72.65	RTE 366	LT	NE	11	10.7	10.7	20	0.2		3	ISLAND REPLACEMENT
41	2159+78.29	2159+95.82	RTE 366	RT	SE	21	20.7	20.7	21	0.2		3	ISLAND REPLACEMENT
41	2159+96.97	2160+14.09	RTE 366	RT	CENTER	8	7.6	7.6		0.2	1		ISLAND NOSE RECONSTRUCTION
42	2165+53.44	2165+84.18	RTE 366	RT	DRIVEWAY	7	51.2	7.0		0.1			ISLAND REPLACEMENT
50	4+52.37	4+54.31	OLD RTE 366	CL	CENTER	1	0.7	0.7			1		ISLAND NOSE RECONSTRUCTION
58	2243+61.00	2243+98.28	RTE 366	LT	NE	23	23.3	23.3	35	0.4			ISLAND MODIFICATION
60	2247+01.65	2247+18.13	RTE 366	LT	DRIVEWAY		9.5						NEW ISLAND
60	2247+39.31	2247+55.77	RTE 366	LT	DRIVEWAY		9.6						NEW ISLAND
77	2330+91.27	2331+09.83	RTE 366	LT	DRIVEWAY		9.5		20				ISLAND REPLACEMENT
				SUBTOTAL 1		**853**	**443.0**	**168.3**	**380**	**4.0**	**12**	**31**	**FROM QTY SHEET 18 OF 62**
				SUBTOTAL 2		**568**	**600.3**	**568.1**	**291**	**8.2**	**41**	**22**	
				TOTAL		**---**	**1043.3**	**736.4**	**---**	**---**	**53**	**53**	**SEE SIDEWALK SCHEDULE ON QTY SHEET 49 OF 62 FOR OMITTED TOTALS**

GUARDRAIL AND CONCRETE BARRIER (2 OF 2)

SHEET NO.	FROM STATION	TO STATION	ROADWAY	LOCATION	MGS GUARDRAIL	MGS HEIGHT AND BLOCK TRANSITION	MGS END ANCHOR	TYPE A CRASHWORTHY END TERMINAL (MASH)	TYPE C CRASHWORTHY END TERMINAL (MASH)	CONCRETE TRAFFIC BARRIER, TYPE C	CONCRETE TRAFFIC BARRIER, TYPE D (MOMENT SLAB)	MOMENT SLAB SIDEWALK	SHAPING SLOPES, CLASS III - MODIFIED MATERIAL REQUIREMENT	REMARKS
					(LF)	(EA)	(EA)	(EA)	(EA)	(LF)	(LF)	(SQYD)	(100 FT)	
39	2149+00.92		RTE 366	RT					1					BRIDGE
39	2150+01.37		RTE 366	LT					1					BRIDGE
45	2178+31.29	2180+29.84	RTE 366	RT							199	166.2		RETAINING WALL
64	2269+96.84	2270+53.71	RTE 366	RT					1		57	46.8		CULVERT
71-72	2304+27.37	2307+99.97	RTE 366	LT						375				
72	2307+99.97	2309+39.08	RTE 366	LT	87.5			1					1	
71-72	2304+49.99	2306+12.83	RTE 366	RT	112.5			1					1	
72	2306+12.83	2306+36.83	RTE 366	RT						24				
72	2306+36.83	2306+72.25	RTE 366	RT	25		1							
				SUBTOTAL 1	**625**	**2**	**-**	**2**	**-**	**-**	**-**	**-**	**4**	**FROM QTY SHEET 19 OF 62**
				SUBTOTAL 2	**225**	**-**	**1**	**2**	**3**	**399**	**256**	**213**	**2**	
				TOTAL	**850**	**2**	**1**	**4**	**3**	**399**	**256**	**213.0**	**6**	

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

08/01/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
8/1/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ENGINEERING CORPORATION - 000631

SHEET 45 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

REV.

SIDEWALK (3 OF 6)

SHEET NO.	FROM STATION	TO STATION	ROADWAY	LOCATION	TRUNCATED DOMES	ADA CURB RAMP						CONCRETE SIDEWALK, 4 IN.	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK)	LINEAR GRADING CLASS 2, MODIFIED	REMARKS
					(SQFT)	(EACH)						(SQYD)	(SQYD)	(STA)	
						COMPOUND PERPENDICULAR	TYPE 1 PARALLEL	TYPE 2 PARALLEL	SMALL RADIUS PERPENDICULAR	LARGE RADIUS PERPENDICULAR	DUAL PERPENDICULAR				
35	2126+60.93	2127+29.92	RTE 366	RT								41.9	42	0.7	
35-36	2129+27.95	2130+95.36	RTE 366	RT	15			1	1			87.0	87	1.7	
36	2131+21.48	2131+40.79	RTE 366	RT			1			1				0.2	
36	2131+69.49	2133+14.41	RTE 366	RT	24					2		68.3	68	1.4	
36	2133+44.22	2133+77.92	RTE 366	RT						2				0.3	
36-37	2134+16.62	2136+39.50	RTE 366	RT						2		118.0	118	2.2	
37	2136+88.51	2138+10.61	RTE 366	RT			1					72.0	72	1.2	
37	2139+10.75	2140+09.67	RTE 366	RT						1		50.8	51	1.0	MODIFIED LARGE RADIUS PERPENDICULAR
37	2139+66.06	2140+98.30	RTE 366	LT						1		76.8	77	1.3	
37	2140+44.86	2141+20.98	RTE 366	RT						2		27.8	28	0.8	
37-38	2141+39.55	2143+54.85	RTE 366	LT			1			1		123.0	123	2.2	
38	2141+60.57	2145+43.52	RTE 366	RT						2		227.6	228	3.8	MODIFIED LARGE RADIUS PERPENDICULAR (EAST END)
38	2143+89.36	2144+17.34	RTE 366	LT						2				0.3	
38	2144+58.91	2145+45.67	RTE 366	LT	10				1	1		34.8	35	0.9	
38-39	2145+91.92	2147+62.70	RTE 366	RT	75			1		2		70.9	71	1.7	
38-39	2145+98.03	2147+79.57	RTE 366	LT	20	1			1	1		90.5	91	1.8	
39	2148+17.23	2148+33.41	RTE 366	RT						2				0.2	
39	2148+27.66	2148+97.87	RTE 366	LT						1		32.2	32	0.7	
39	2148+72.15	2148+90.99	RTE 366	RT						1				0.2	
39	2150+04.43	2150+45.55	RTE 366	RT						1		15.2	15	0.4	
39	2150+11.35	2150+43.81	RTE 366	LT						1		4.1	4	0.3	
39	2150+80.67	2151+39.77	RTE 366	RT						2		10.1	10	0.6	
39-40	2150+95.32	2153+25.78	RTE 366	LT	10			1		1		133.9	134	2.5	
39-40	2151+80.65	2152+88.31	RTE 366	RT						2		42.5	43	1.1	
40	2153+25.48	2154+09.78	RTE 366	RT	10		1			1		34.1	34	0.8	
40	5+31.81	5+72.79	PARDEE	RT								22.3	22	0.4	
40	2154+68.16	2154+92.94	RTE 366	RT	34					1				0.2	
40	2154+69.06	2154+89.81	RTE 366	LT								13.3	13	0.2	
40	2155+16.91	2157+14.21	RTE 366	RT						1		119.2	119	2.0	
40	2155+19.01	2156+59.66	RTE 366	LT						1		77.7	78	1.4	
40-41	2157+02.03	2158+92.11	RTE 366	LT	11			1		1		104.0	104	1.9	
41	2157+57.17	2157+82.52	RTE 366	RT						1		3.7	4	0.3	
41	2158+41.14	2159+26.20	RTE 366	RT	11			1		1		31.4	31	0.9	
41	3+84.67	4+27.71	GRANT	RT								35.3	35	0.4	
41	2160+04.48	2160+28.75	RTE 366	RT	11			1				7.0	7	0.2	
41	2161+00.68	2161+22.68	RTE 366	RT								24.2	24	0.2	BUS STOP 8761 PAD
41	2161+56.67	2161+71.47	RTE 366	RT						1		7.2	7	0.2	
41-42	2159+63.12	2163+43.50	RTE 366	LT	11			1		1		227.0	227	3.8	
41-42	2162+11.93	2162+36.49	RTE 366	RT						2				0.2	
42	2163+08.55	2165+18.92	RTE 366	RT			1			1		107.1	107	2.1	
42	2163+82.73	2165+18.29	RTE 366	LT					1	1		67.1	67	1.4	
42-43	2165+65.09	2168+21.47	RTE 366	LT			1			1		156.7	157	2.6	
42-43	2166+02.08	2169+30.34	RTE 366	RT			1			1		191.6	192	3.3	
43	2168+57.03	2169+08.46	RTE 366	LT						2		7.9	8	0.5	
43	2169+45.63	2170+38.51	RTE 366	LT						2		35.6	36	0.9	
43-44	2169+77.99	2172+52.51	RTE 366	RT						2		147.1	147	2.7	
43-44	2170+75.00	2176+05.45	RTE 366	LT						2		346.9	347	5.3	
44	2173+10.71	2175+36.63	RTE 366	RT						2		137.0	137	2.3	
44-45	2175+82.17	2178+31.12	RTE 366	RT	20					2		148.6	315	2.5	SEE BARRIER SCHEDULE FOR MOMENT SLAB SIDEWALK
44-45	2176+47.03	2177+82.27	RTE 366	LT						2		65.8	66	1.4	
45	2178+20.95	2178+73.21	RTE 366	LT						2		9.6	10	0.5	
45	2179+05.68	2180+60.32	RTE 366	LT						2		78.0	78	1.5	
45	2180+73.02	2180+93.18	RTE 366	RT	37					2				0.2	
45-46	2180+91.34	2181+55.19	RTE 366	LT						2		17.5	17	0.6	
45-46	2181+14.16	2181+42.16	RTE 366	RT	19					2				0.3	
46	2181+84.69	2182+44.25	RTE 366	RT						2		14.9	15	0.6	
46	2182+02.75	2182+19.03	RTE 366	LT						2				0.2	
			RAMP SUBTOTAL 3		**-**	**1**	**7**	**7**	**4**	**74**	**-**	**-**	**-**	**-**	
			SUBTOTAL 3		**318**	**93**						**3,565.2**	**3,733**	**69.6**	

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/30/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/30/2024

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ENGINEERING CORPORATION - 000631

REV.

SHEET 46 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

SIDEWALK (4 OF 6)

SHEET NO.	FROM STATION	TO STATION	ROADWAY	LOCATION	TRUNCATED DOMES	ADA CURB RAMP						CONCRETE SIDEWALK, 4 IN.	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK)	LINEAR GRADING CLASS 2, MODIFIED	REMARKS
					(SQFT)	(EACH)						(SQYD)	(SQYD)	(STA)	
						COMPOUND PERPENDICULAR	TYPE 1 PARALLEL	TYPE 2 PARALLEL	SMALL RADIUS PERPENDICULAR	LARGE RADIUS PERPENDICULAR DUAL PERPENDICULAR					
46	2182+77.41	2183+21.41	RTE 366	LT						2		3.4	3	0.4	
46	2182+96.85	2183+32.23	RTE 366	RT			1			1				0.4	
46	2183+49.26	2183+78.72	RTE 366	LT						2				0.3	
46	2183+86.19	2184+86.45	RTE 366	RT						2		41.3	41	1.0	
46-47	2184+21.11	2186+59.10	RTE 366	LT	13		1			1		137.7	138	2.4	
46-47	2185+37.64	2186+11.94	RTE 366	RT	11		1			1		26.3	26	0.7	
47	2186+81.65	2187+77.14	RTE 366	RT	34			1		2		24.6	25	1.0	
47	2187+04.96	2189+26.79	RTE 366	LT	27		1	1		1		109.9	110	2.2	
47	2188+29.26	2188+48.74	RTE 366	RT						2				0.2	
47	2188+79.92	2189+21.47	RTE 366	RT						2				0.4	
47	2189+53.43	2189+73.97	RTE 366	RT						2				0.2	
47-48	2189+78.33	2191+05.34	RTE 366	LT						2		54.1	54	1.3	
47-48	2190+05.63	2190+41.33	RTE 366	RT						2				0.4	
48	2190+76.36	2191+01.93	RTE 366	RT						2				0.3	
48	2191+37.20	2192+12.13	RTE 366	RT						2		21.9	22	0.7	
48	2191+52.28	2191+87.70	RTE 366	LT						2				0.4	
48	2192+31.76	2193+50.34	RTE 366	LT						2		53.2	53	1.2	
48	2192+42.55	2193+28.89	RTE 366	RT						2		31.9	32	0.9	
48	2193+62.05	2193+97.23	RTE 366	RT						2				0.4	
48	2194+40.20	2194+98.70	RTE 366	RT						2		13.6	14	0.6	
48-49	2193+92.14	2195+92.80	RTE 366	LT						2		108.3	108	2.0	
48-49	2195+40.42	2195+64.95	RTE 366	RT						2				0.2	
49	2195+86.54	2197+53.73	RTE 366	RT						2		94.1	94	1.7	
49	2196+23.60	2196+40.08	RTE 366	LT						2				0.2	
49	2196+70.46	2197+98.71	RTE 366	LT						2		63.5	64	1.3	
49	2197+83.64	2198+58.78	RTE 366	RT	31					2		21.9	22	0.8	
49	2198+57.87	2198+98.92	RTE 366	LT						2		2.4	2	0.4	
49-50	2199+07.44	2203+30.23	RTE 366	RT	33					2		252.9	253	4.2	
49-50	2199+53.71	2204+91.63	RTE 366	LT	22					2		334.2	334	5.4	
50-51	2203+80.19	2206+65.21	RTE 366	RT						2		164.8	165	2.9	
50-51	2205+48.22	2209+46.28	RTE 366	LT	16		1			1		246.6	247	4.0	
51	2209+95.76	2210+80.52	RTE 366	RT	32		1	1		1		16.0	16	0.8	
51	2211+11.68	2211+29.22	RTE 366	RT						2				0.2	
51-52	2209+88.71	2214+85.17	RTE 366	LT	26		2	1				308.7	309	5.0	
51-52	2211+50.84	2213+20.03	RTE 366	RT						2		87.6	88	1.7	
52	2213+51.02	2214+42.11	RTE 366	RT						2		35.4	35	0.9	
52	2214+79.21	2214+97.41	RTE 366	RT						2				0.2	
52	2215+00.89	2215+72.79	RTE 366	LT					1	1		26.8	27	0.7	
52	2215+30.43	2215+50.67	RTE 366	RT						2				0.2	
52	2215+85.95	2216+23.66	RTE 366	LT					2			6.4	6	0.4	
52	2216+13.62	2216+50.96	RTE 366	RT						2				0.4	
52	2216+36.30	2216+74.07	RTE 366	LT					2			6.3	6	0.4	
52	2216+81.70	2216+99.60	RTE 366	RT						2				0.2	
52	2216+87.77	2217+26.22	RTE 366	LT					2			7.1	7	0.4	
52-53	2217+32.57	2217+58.28	RTE 366	RT						2				0.3	
52-53	2217+39.23	2218+27.60	RTE 366	LT	16				1	1		34.2	34	0.9	
53	2217+91.28	2218+35.80	RTE 366	RT						2		4.0	4	0.4	
53	2218+73.02	2219+24.85	RTE 366	LT	10				2			11.5	11	0.5	
53	2218+82.37	2220+99.79	RTE 366	RT						2		121.7	122	2.2	
53	2219+37.48	2219+76.29	RTE 366	LT					2			8.4	8	0.4	
53	2219+90.53	2220+73.81	RTE 366	LT					1			44.3	44	0.8	
53	4+32.35	4+61.88	EDGAR	RT	12			2				2.7	3	0.3	
53	4+24.21	4+50.38	EDGAR	LT	20	1						2.4	2	0.3	
53	2221+27.34	2221+61.72	RTE 366	RT						2				0.3	
53-55	2221+40.22	2231+12.76	RTE 366	LT	10				1			598.3	598	9.7	
53-54	2221+98.85	2223+50.68	RTE 366	RT						2		65.4	65	1.5	
54	2223+73.54	2224+00.03	RTE 366	RT					2					0.3	
54	2224+23.13	2224+44.68	RTE 366	RT					2					0.2	
54	2224+67.67	2225+05.22	RTE 366	RT					2			4.4	4	0.4	
54	2225+30.36	2226+86.13	RTE 366	RT	29				1	1		76.9	77	1.6	
54	2227+24.98	2227+65.66	RTE 366	RT	31					2				0.4	
54-55	2228+07.14	2228+80.05	RTE 366	RT					2			27.8	28	0.7	
55	2229+22.36	2229+70.21	RTE 366	RT					2			12.7	13	0.5	
			RAMP SUBTOTAL 4		**-**	**1**	**8**	**6**	**25**	**87**	**-**	**-**	**-**	**-**	
			SUBTOTAL 4		**373**	**127**						**3,315.8**	**3,314**	**71.2**	

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/30/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/30/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

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REV.

SHEET 47 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

SIDEWALK (5 OF 6)

SHEET NO.	FROM STATION	TO STATION	ROADWAY	LOCATION	TRUNCATED DOMES	ADA CURB RAMP						CONCRETE SIDEWALK, 4 IN.	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK)	LINEAR GRADING CLASS 2, MODIFIED	REMARKS
					(SQFT)	(EACH)						(SQYD)	(SQYD)	(STA)	
						COMPOUND PERPENDICULAR	TYPE 1 PARALLEL	TYPE 2 PARALLEL	SMALL RADIUS PERPENDICULAR	LARGE RADIUS PERPENDICULAR	DUAL PERPENDICULAR				
55	2230+04.66	2230+49.04	RTE 366	RT					2			9.9	10	0.4	
55	2230+88.22	2231+38.49	RTE 366	RT					2			15.2	15	0.5	
55	2231+44.87	2231+69.78	RTE 366	LT	10				2					0.2	
55	2231+70.86	2232+04.87	RTE 366	RT					2			5.1	5	0.3	
55	2232+18.21	2232+73.92	RTE 366	LT			1			1		9.3	9	0.6	
55	2232+37.20	2232+75.64	RTE 366	RT					2			8.4	8	0.4	
55-56	2233+14.44	2233+68.60	RTE 366	RT					2			17.1	17	0.5	
55-56	2233+27.95	2235+04.58	RTE 366	LT						2		84.0	84	1.8	
56	2234+17.30	2234+28.48	RTE 366	RT						2				0.1	
56	2234+45.30	2236+35.12	RTE 366	RT	10				2			89.2	89	1.9	
56-57	2235+63.02	2238+18.62	RTE 366	LT			1			1		137.0	137	2.6	
56-57	2236+95.59	2238+36.89	RTE 366	RT	10				1			73.2	73	1.4	
57	2238+37.22	2238+64.16	RTE 366	LT					2					0.3	
57-58	2238+77.49	2241+23.06	RTE 366	LT			1					150.8	151	2.5	
57-58	2239+71.94	2242+02.26	RTE 366	RT	20					1	2	124.3	124	2.3	DUAL PERPENDICULAR RAMP STYLE PAID AS 2 RAMPS
58	2241+60.51	2242+63.34	RTE 366	LT	20			2				30.4	30	1.0	
58	2243+66.66	2243+81.85	RTE 366	RT						2				0.2	
58	2244+04.37	2244+31.53	RTE 366	RT						2				0.3	
58	2245+14.38	2245+47.86	RTE 366	RT					1	1		1.8	2	0.3	
58, 60	2244+13.31	2245+90.56	RTE 366	LT	10					2		96.8	97	1.8	
58-59	5+02.25	6+51.22	LACLEDE STATION	LT	23			2				73.7	74	1.5	
58-59	6+08.10	6+64.38	LACLEDE STATION	RT	19					1		24.3	24	0.6	
59	6+96.29	7+22.12	LACLEDE STATION	LT	21			1						0.3	
59	7+04.87	7+27.98	LACLEDE STATION	RT	26					1				0.2	
60	2245+83.77	2246+64.98	RTE 366	RT	10				2			29.9	30	0.8	
60	2246+26.89	2246+66.62	RTE 366	LT						2				0.4	
60	2246+95.14	2247+20.27	RTE 366	RT	10				2					0.3	
60	2247+55.46	2248+35.30	RTE 366	RT					2			31.0	31	0.8	
60	2247+94.12	2248+12.02	RTE 366	LT					1			3.3	3	0.2	
60	2248+67.92	2248+95.97	RTE 366	RT					2					0.3	
60	2249+28.21	2249+63.95	RTE 366	RT	10				2			1.7	2	0.4	MODIFIED SMALL RADIUS PERPENDICULAR (EAST END)
60	2249+89.01	2250+37.36	RTE 366	LT	10				2			15.7	16	0.5	
60	2249+93.21	2250+21.48	RTE 366	RT	10				2			2.2	2	0.3	MODIFIED SMALL RADIUS PERPENDICULAR (WEST END)
60-61	2250+60.60	2251+91.81	RTE 366	RT					2			59.1	59	1.3	
60-61	2250+84.00	2251+31.34	RTE 366	LT					2			12.5	12	0.5	
61	2251+74.58	2252+05.97	RTE 366	LT					2			3.6	4	0.3	
61	2252+42.39	2252+64.77	RTE 366	RT	10				2					0.2	
61	2252+52.22	2252+84.80	RTE 366	LT					2			4.3	4	0.3	
61	2252+92.35	2253+27.11	RTE 366	RT	10				2			2.5	3	0.3	
61	2253+23.98	2254+02.81	RTE 366	LT					2			29.7	30	0.8	
61	2253+52.45	2253+90.95	RTE 366	RT					2			7.6	8	0.4	
61	2254+12.19	2254+32.59	RTE 366	RT					2					0.2	
61	2254+34.10	2254+92.07	RTE 366	LT					2			17.0	17	0.6	
61	2254+58.06	2255+10.59	RTE 366	RT					2			14.8	15	0.5	
61	2255+24.33	2255+62.72	RTE 366	LT	15				2			6.4	6	0.4	MODIFIED SMALL RADIUS PERPENDICULAR (EAST END)
61	2255+36.04	2255+64.68	RTE 366	RT	10				2					0.3	
61	2255+92.25	2256+47.94	RTE 366	RT	10				2			14.9	15	0.6	
61-62	2256+08.13	2257+58.32	RTE 366	LT	10				2			67.4	67	1.5	
62	2256+65.93	2257+32.15	RTE 366	RT					2			23.0	23	0.7	
62	2257+61.54	2257+75.34	RTE 366	RT					2					0.1	
62	2258+01.47	2258+20.76	RTE 366	RT					2					0.2	
62	2258+44.07	2258+64.99	RTE 366	RT					2					0.2	
62	2258+92.12	2259+31.43	RTE 366	RT					2			8.3	8	0.4	
62	2259+54.17	2260+57.44	RTE 366	RT					1	1		41.8	42	1.0	
62	2261+00.61	2261+32.62	RTE 366	RT					1	1				0.3	
62-63	2258+07.72	2264+06.82	RTE 366	LT	10	1			1			337.1	337	6.4	
62-63	2261+56.40	2264+24.63	RTE 366	RT	10			1	2			149.5	150	2.7	
63	2264+85.86	2265+48.92	RTE 366	RT					2			21.2	21	0.6	
63	2265+90.12	2266+32.15	RTE 366	RT					2			9.6	10	0.4	
63	2266+82.15	2267+05.88	RTE 366	RT					2					0.2	
63-64	2267+38.79	2269+47.30	RTE 366	RT					1	1		99.8	100	2.1	
			RAMP SUBTOTAL 5		**-**	**1**	**3**	**6**	**85**	**21**	**2**	**-**	**-**	**-**	
			SUBTOTAL 5		**304**	**118**						**1,964.2**	**1,964**	**49.4**	

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

09/06/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
9/5/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

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ENGINEERING CORPORATION - 000631

REV.

SHEET 48 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

SIDEWALK (6 OF 6)

SHEET NO.	FROM STATION	TO STATION	ROADWAY	LOCATION	TRUNCATED DOMES	ADA CURB RAMP						CONCRETE SIDEWALK, 4 IN.	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK)	LINEAR GRADING CLASS 2, MODIFIED	REMARKS
					(SQFT)	(EACH)						(SQYD)	(SQYD)	(STA)	
						COMPOUND PERPENDICULAR	TYPE 1 PARALLEL	TYPE 2 PARALLEL	SMALL RADIUS PERPENDICULAR	LARGE RADIUS PERPENDICULAR	DUAL PERPENDICULAR				
64	2269+81.35	2271+29.95	RTE 366	RT					1	1		36.6	83	1.5	SEE BARRIER SCHEDULE FOR MOMENT SLAB SIDEWALK
64-65	2271+46.07	2273+36.84	RTE 366	RT					1	1		94.0	94	1.9	
65	2273+62.29	2275+43.02	RTE 366	RT					2			87.8	88	1.8	
65	2275+90.22	2276+36.30	RTE 366	RT					2			11.8	12	0.5	
65-66	2276+69.21	2277+33.79	RTE 366	RT					2			21.9	22	0.6	
66	2277+76.29	2278+06.18	RTE 366	RT					2			2.2	2	0.3	
66	2278+45.61	2278+69.48	RTE 366	RT					2					0.2	
66	2279+01.40	2279+48.84	RTE 366	RT					1	1		10.0	10	0.5	
66	2279+84.41	2280+70.51	RTE 366	RT					1	1		33.2	33	0.9	
66-68	2281+02.69	2287+43.19	RTE 366	RT	10	1				2		334.7	335	6.4	
67	2283+27.92	2283+95.97	RTE 366	LT	10			1				34.2	34	0.7	
68	2288+08.55	2289+83.44	RTE 366	RT					2			81.4	81	1.7	
68	2290+16.90	2290+34.27	RTE 366	RT					2					0.2	
68	2290+65.57	2291+99.46	RTE 366	RT					1	1		65.5	66	1.3	
68-69	2292+31.07	2292+68.68	RTE 366	RT						2				0.4	
69	2292+99.73	2294+02.53	RTE 366	RT						1		56.0	56	1.0	
71	2302+20.27	2302+43.31	RTE 366	LT	10				1					0.2	
71-74	2302+99.43	2317+09.15	RTE 366	LT	43		1			1		892.1	892	14.1	
74-76	2317+87.07	2326+18.38	RTE 366	LT	24					1		585.5	585	8.3	
76	2329+58.43	2329+79.75	RTE 366	RT						2				0.2	
76-77	2327+89.76	2330+82.33	RTE 366	LT	11			1				189.6	190	2.9	
76-77	2330+12.20	2330+50.84	RTE 366	RT						2				0.4	
77	2330+81.89	2331+09.30	RTE 366	RT						2				0.3	
77	2331+33.13	2333+66.41	RTE 366	LT	41					2		117.2	117	2.3	
77	2331+60.05	2332+73.26	RTE 366	RT						2		51.9	52	1.1	
77	2333+25.07	2333+46.40	RTE 366	RT						2				0.2	
77	2333+72.51	2334+18.78	RTE 366	RT						2		6.5	6	0.5	
77	2334+14.29	2335+06.16	RTE 366	LT						2		38.9	39	0.9	
77	2334+60.55	2335+61.03	RTE 366	RT						2		48.8	49	1.0	
			SUBTOTAL 1		277	-	6	-	38	62	4	3,423.6	3,353	65.8	FROM QTY SHEET 15 OF 62
			SUBTOTAL 2		252	1	1	-	48	11	2	1,089.0	1,092	25.0	FROM QTY SHEET 16 OF 62
			SUBTOTAL 3		318	1	7	7	4	74	-	3,565.2	3,733	69.6	
			SUBTOTAL 4		373	1	8	6	25	87	-	3,315.8	3,314	71.2	
			SUBTOTAL 5		304	1	3	6	85	21	2	1,964.2	1,964	49.4	
			SUBTOTAL 6		149	1	1	2	20	30	-	2,799.4	2,846	52.4	
			RAMP TOTALS		-	5	26	21	220	285	8	-	-	-	
			SUBTOTAL FROM CURB		-	-						-	3,486	-	FROM QTY SHEET 44 OF 62
			SUBTOTAL FROM DRIVEWAYS		-	-						-	18,063	108.1	FROM QTY SHEET 39 OF 62
			SUBTOTAL FROM MEDIAN		671	-						-	1,421	12.2	FROM QTY SHEET 45 OF 62
			SUBTOTAL FROM PAVEMENT		-	-						-	-	20.9	FROM QTY SHEET 36 OF 62
			TOTAL		2,344	565						16,157.3	39,272	474.6	

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

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Cassandra McKee Lee - Civil
MO PE-2023025373

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

SHEET 49 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

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TEMPORARY EROSION CONTROL (4 OF 8)

EC SHEET NO. (X OF 18)	FROM STATION	TO STATION	ROADWAY	LOCATION	CURB INLET CHECK (EACH)	SEDIMENT REMOVAL (CUYD)	SILT FENCE (LF)	TYPE C BERM (LF)	REMARKS
8	2127+24		RTE 366	RT	1	1.0			
8	2128+76		RTE 366	RT	1	1.0			
8	2129+55		RTE 366	RT	1	1.0			
8	2130+07	2130+89	RTE 366	RT		0.8	82		
8	2131+20	2131+42	RTE 366	RT		0.2	22		
8	2131+67	2133+16	RTE 366	RT		1.5	150		
8	2133+43	2133+79	RTE 366	RT		0.4	35		
8	2136+18		RTE 366	RT	1	1.0			
8	2139+06		RTE 366	RT	1	1.0			
8	2139+87		RTE 366	RT	1	1.0			
8	2140+83		RTE 366	RT	1	1.0			
8	2139+64	2140+56	RTE 366	LT		0.9	93		
8	2140+86		RTE 366	LT	1	1.0			
8	2141+40	2143+56	RTE 366	LT		2.2	221		
8	2143+37		RTE 366	LT	1	1.0			
8	2142+20		RTE 366	RT	1	1.0			
8	2143+86	2144+17	RTE 366	LT		0.3	31		
8	2144+58	2145+47	RTE 366	LT		0.9	90		
8	2145+40		RTE 366	LT	1	1.0			
8	2145+15		RTE 366	RT	1	1.0			
8	2145+87	2146+80	RTE 366	RT		1.1	112		
8	2147+30	2147+69	RTE 366	RT		0.5	48		
8	2147+53	2147+83	RTE 366	LT		0.3	32		
8	2147+54		RTE 366	LT	1	1.0			
8	2147+70		RTE 366	RT	1	1.0			
9	2148+02	2148+35	RTE 366	RT		0.4	39		
9	2148+02		RTE 366	RT	1	1.0			
9	2148+24	2149+60	RTE 366	LT		1.8	179		
9	2148+66		RTE 366	RT	1	1.0			
9	2148+66	2149+27	RTE 366	RT		0.6	64		
9	2148+95		RTE 366	LT	1	1.0			
9	2149+27	2149+60	RTE 366	LT/RT		17.9		161	
9	2149+78	2149+86	RTE 366	LT/RT		19.7		177	
9	2149+86	2150+52	RTE 366	LT		1.0	101		
9	2149+78	2150+45	RTE 366	RT		0.8	80		
9	2150+34		RTE 366	RT	1	1.0			
9	2150+79	2151+45	RTE 366	RT		0.7	69		
9	2151+01		RTE 366	RT	1	1.0			
9	2151+75	2152+90	RTE 366	RT		1.2	116		
9	2152+01		RTE 366	RT	1	1.0			
9	2151+13		RTE 366	LT	1	1.0			
9	2152+55		RTE 366	LT	1	1.0			
9	2153+25	2154+15	RTE 366	RT		1.0	95		
9	2154+61	2154+93	RTE 366	RT		0.3	34		
9	2155+18	2157+15	RTE 366	RT		2.0	198		
9	2155+26		RTE 366	LT	1	1.0			
9	2156+49		RTE 366	LT	1	1.0			
9	2157+03		RTE 366	RT	1	1.0			
9	2157+81		RTE 366	RT	1	1.0			
9	2158+18		RTE 366	LT	1	1.0			
9	2159+08		RTE 366	RT	1	1.0			
9	2160+29		RTE 366	RT	1	1.0			
9	2160+36		RTE 366	LT	1	1.0			
9	2161+85		RTE 366	LT	1	1.0			
9	2162+14	21622+47	RTE 366	RT		0.4	36		
9	2162+26		RTE 366	RT	1	1.0			
			SUBTOTAL 4		32	88.8	1,927	338	

TEMPORARY EROSION CONTROL (5 OF 8)

EC SHEET NO. (X OF 18)	FROM STATION	TO STATION	ROADWAY	LOCATION	CURB INLET CHECK (EACH)	SEDIMENT REMOVAL (CUYD)	SILT FENCE (LF)	TYPE C BERM (LF)	REMARKS
9	2162+95	2165+29	RTE 366	RT		2.4	237		
9	2163+29		RTE 366	RT	1	1.0			
9	2164+90		RTE 366	RT	1	1.0			
9	2164+96		RTE 366	LT	1	1.0			
9	2165+94	2169+36	RTE 366	RT		3.4	344		
9	2166+50		RTE 366	RT	1	1.0			
9	2168+07		RTE 366	LT	1	1.0			
9-10	2169+71	2172+61	RTE 366	RT		2.9	291		
10	2170+99	2171+81	RTE 366	LT		0.8	83		
10	2173+02	2175+41	RTE 366	RT		2.4	237		
10	2176+24		RTE 366	RT	1	1.0			
10	2176+99	2177+83	RTE 366	LT		0.9	85		
10	2176+77	2180+51	RTE 366	RT		3.8	376		
10	2178+20	2178+74	RTE 366	LT		0.5	54		
10	2178+59		RTE 366	LT		0.0			
10	2179+01		RTE 366	RT	1	1.0			
10	2179+05	2180+61	RTE 366	LT		1.6	157		
10	2179+44		RTE 366	LT	1	1.0			
10	2180+18		RTE 366	LT	2	2.0			
10	2180+23		RTE 366	RT	1	1.0			
10	2180+73	2180+93	RTE 366	RT		0.2	19		
10	2181+14	2181+43	RTE 366	RT		0.3	29		
10	2181+30		RTE 366	RT	1	1.0			
10	2181+54		RTE 366	LT	1	1.0			
10	2182+20		RTE 366	LT	1	1.0			
10	2182+87		RTE 366	LT	1	1.0			
10	2183+55		RTE 366	LT	1	1.0			
10	2184+57	2184+70	RTE 366	RT		0.1	13		
10	2186+91		RTE 366	RT	1	1.0			
10	2186+93		RTE 366	RT	1	1.0			
10	2187+06	2189+32	RTE 366	LT		2.3	234		
10	2187+12		RTE 366	LT	1	1.0			
10	2188+23		RTE 366	LT	1	1.0			
10	2188+46		RTE 366	RT	1	1.0			
10	2188+92		RTE 366	LT	1	1.0			
10	2189+19		RTE 366	RT	1	1.0			
10	2189+71		RTE 366	RT	1	1.0			
10	2189+73	2191+11	RTE 366	LT		1.4	140		
10	2189+90		RTE 366	LT	1	1.0			
10	2189+98		RTE 366	LT	1	1.0			
10	2190+29		RTE 366	RT	1	1.0			
10	2190+44		RTE 366	RT	1	1.0			
10	2190+97		RTE 366	RT	1	1.0			
10	2191+51	2191+88	RTE 366	LT		0.4	37		
11	2192+31	2192+76	RTE 366	LT		0.4	44		
11	2193+73		RTE 366	RT	1	1.0			
11	2194+50	2194+83	RTE 366	LT		0.3	33		
11	2194+78		RTE 366	LT	1	1.0			
11	2194+83		RTE 366	RT	1	1.0			
11	2195+49		RTE 366	RT	1	1.0			
11	2195+73		RTE 366	LT	2	2.0			
11	2196+23	2196+41	RTE 366	LT		0.2	18		
11	2196+37		RTE 366	RT	1	1.0			
11	2196+71	2196+98	RTE 366	LT		0.3	28		
11	2196+80		RTE 366	LT	1	1.0			
11	2197+25		RTE 366	RT	1	1.0			
11	2198+35		RTE 366	RT	1	1.0			
			SUBTOTAL 5		39	63.6	2,459	-	

QUANTITIES

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/30/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED 7/30/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 3
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

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TEMPORARY EROSION CONTROL (6 OF 8)

EC SHEET NO. (X OF 18)	FROM STATION	TO STATION	ROADWAY	LOCATION	CURB INLET CHECK (EACH)	SEDIMENT REMOVAL (CUYD)	SILT FENCE (LF)	TYPE C BERM (LF)	REMARKS
11	2198+57	2199+00	RTE 366	LT		0.5	45		
11	2198+75		RTE 366	LT	1	1.0			
11	2204+70		RTE 366	LT	1	1.0			
11	2199+98		RTE 366	LT	1	1.0			
11	2200+87		RTE 366	LT	1	1.0			
11	2201+94		RTE 366	RT	1	1.0			
11	2202+99		RTE 366	LT	1	1.0			
11	2203+19		RTE 366	RT	1	1.0			
11	2204+67		RTE 366	RT	1	1.0			
11	2206+24		RTE 366	RT	1	1.0			
11	2206+39	2206+65	RTE 366	RT		0.3	26		
11	2206+50	2207+16	RTE 366	LT		0.7	66		
11	2206+52		RTE 366	LT	1	1.0			
11	2206+78		RTE 366	LT	1	1.0			
11	2207+25		RTE 366	RT	1	1.0			
11	2207+59		RTE 366	RT	1	1.0			
11	2208+10		RTE 366	LT	1	1.0			
11	2208+86		RTE 366	RT	1	1.0			
11	2209+01		RTE 366	LT	1	1.0			
11	2209+41		RTE 366	RT	1	1.0			
11	2209+47		RTE 366	RT	1	1.0			
11	2209+51		RTE 366	LT	1	1.0			
11	2209+86		RTE 366	RT	1	1.0			
11	2209+93		RTE 366	RT	1	1.0			
11	2209+95		RTE 366	LT	1	1.0			
11	2210+06		RTE 366	LT	1	1.0			
11	2210+66		RTE 366	RT	1	1.0			
11	2211+08		RTE 366	LT	1	1.0			
11	2211+23		RTE 366	RT	1	1.0			
11	2211+78		RTE 366	LT	1	1.0			
11	2211+79		RTE 366	RT	1	1.0			
11	2212+47		RTE 366	LT	1	1.0			
11	2213+03		RTE 366	RT	1	1.0			
11	2213+09		RTE 366	LT	1	1.0			
11	2213+56		RTE 366	LT	1	1.0			
12	2214+27		RTE 366	RT	1	1.0			
12	2214+65		RTE 366	LT	1	1.0			
12	2215+36		RTE 366	LT	1	1.0			
12	2215+59		RTE 366	LT	1	1.0			
12	2216+09		RTE 366	LT	1	1.0			
12	2216+61		RTE 366	LT	1	1.0			
12	2217+09		RTE 366	LT	1	1.0			
12	2217+48		RTE 366	RT	1	1.0			
12	2218+02		RTE 366	LT	1	1.0			
12	2218+30		RTE 366	LT	1	1.0			
12	2218+34		RTE 366	LT	1	1.0			
12	2218+66		RTE 366	LT	1	1.0			
12	2218+71		RTE 366	LT	1	1.0			
12	2218+97		RTE 366	RT	1	1.0			
12	2219+12		RTE 366	LT	1	1.0			
12	2219+20	2221+01	RTE 366	RT		1.8	181		
12	2219+60		RTE 366	LT	1	1.0			
12	2220+53		RTE 366	LT	1	1.0			
12	2220+68		RTE 366	RT	1	1.0			
12	2221+26	2221+62	RTE 366	RT		0.4	36		
12	2221+45		RTE 366	LT	1	1.0			
12	2221+98	2223+55	RTE 366	RT		1.6	161		
12	2223+72	2224+00	RTE 366	RT		0.3	28		
12	2224+19	2224+41	RTE 366	RT		0.2	23		
12	2224+91		RTE 366	RT	1	1.0			
			SUBTOTAL 6		**52**	**57.7**	**566**	**-**	

TEMPORARY EROSION CONTROL (7 OF 8)

EC SHEET NO. (X OF 18)	FROM STATION	TO STATION	ROADWAY	LOCATION	CURB INLET CHECK (EACH)	SEDIMENT REMOVAL (CUYD)	SILT FENCE (LF)	TYPE C BERM (LF)	REMARKS
12	2224+93		RTE 366	LT	1	1.0			
12	2225+30	2226+91	RTE 366	RT		1.6	164		
12	2226+27		RTE 366	RT	1	1.0			
12	2226+28		RTE 366	LT	1	1.0			
12	2225+50	2227+49	RTE 366	LT		2.0	200		
12	2227+18		RTE 366	LT	1	1.0			
12	2227+19	2227+41	RTE 366	RT		0.2	24		
12	2230+37	2230+51	RTE 366	RT		0.2	15		
12	2230+77		RTE 366	LT	1	1.0			
12	2230+88	2231+39	RTE 366	RT		0.5	51		
12	2231+63		RTE 366	LT	1	1.0			
12	2232+15	2232+79	RTE 366	LT		0.7	65		
12	2232+53		RTE 366	LT	1	1.0			
12	2234+47	2235+20	RTE 366	RT		0.7	74		
12	2234+83		RTE 366	LT	1	1.0			
12	2235+21		RTE 366	RT	1	1.0			
13	2236+17		RTE 366	RT	1	1.0			
13	2237+29		RTE 366	LT	1	1.0			
13	2237+39		RTE 366	RT	1	1.0			
13	2238+14		RTE 366	RT	1	1.0			
13	2240+10	2241+69	RTE 366	RT		2.4	241		
13	2241+17		RTE 366	LT	1	1.0			
13	2242+39		RTE 366	RT	1	1.0			
13	2242+75		RTE 366	RT	1	1.0			
13	2242+80		RTE 366	RT	1	1.0			
13	2243+30		RTE 366	RT	1	1.0			
13	2244+29		RTE 366	LT	1	1.0			
13	2246+25	2246+46	RTE 366	LT		0.2	21		
14	2248+17		RTE 366	RT	1	1.0			
14	2248+23		RTE 366	RT	1	1.0			
14	2249+39		RTE 366	RT	1	1.0			
14	2249+49		RTE 366	LT	1	1.0			
14	2251+46	2251+91	RTE 366	RT		0.5	46		
14	2252+92	2253+28	RTE 366	RT		0.4	38		
14	2255+91	2256+48	RTE 366	RT		0.7	68		
14	2256+65	2257+31	RTE 366	RT		0.7	66		
14	2258+91	2259+32	RTE 366	RT		0.4	41		
14	2259+54	2260+00	RTE 366	RT		0.5	47		
14	2260+22		RTE 366	RT	1	1.0			
14	2260+72	2261+48	RTE 366	LT		0.8	76		
14	2261+96	2262+24	RTE 366	LT		0.3	28		
14	2266+16		RTE 366	RT	1	1.0			
14	2266+95		RTE 366	RT	1	1.0			
14	2267+38	2268+07	RTE 366	RT		0.7	69		
14-15	2268+49	2269+48	RTE 366	RT		1.0	102		
15	2269+33		RTE 366	RT	1	1.0			
15	2269+90	2270+16	RTE 366	RT		0.3	28		
15	2269+91		RTE 366	RT	1	1.0			
15	2270+31	2271+31	RTE 366	RT		1.1	106		
15	2271+45	2273+40	RTE 366	RT		2.0	197		
15	2275+90	2276+36	RTE 366	RT		0.5	52		
15	2276+25		RTE 366	RT	1	1.0			
15	2276+69	2277+34	RTE 366	RT		0.7	65		
15	2278+09		RTE 366	RT	1	1.0			
15	2279+21		RTE 366	RT	1	1.0			
15	2279+84	2280+70	RTE 366	RT		0.9	86		
15	2280+99	2283+17	RTE 366	RT		2.2	217		
			SUBTOTAL 7		**31**	**52.9**	**2,187**	**-**	

QUANTITIES

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/30/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/30/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

TEMPORARY EROSION CONTROL (8 OF 8)

EC SHEET NO. (X OF 18)	FROM STATION	TO STATION	ROADWAY	LOCATION	CURB INLET CHECK (EACH)	SEDIMENT REMOVAL (CUYD)	SILT FENCE (LF)	TYPE C BERM (LF)	REMARKS
15	2283+30	2287+44	RTE 366	RT		4.2	416		
15	2284+51		RTE 366	RT	1	1.0			
15	2288+06	2289+84	RTE 366	RT		1.8	178		
15	2290+16	2290+34	RTE 366	RT		0.2	19		
15-16	2290+65	2292+00	RTE 366	RT		1.4	135		
16	2292+30	2292+70	RTE 366	RT		0.4	39		
16	2292+99	2293+46	RTE 366	RT		0.5	48		
16	2293+15		RTE 366	RT	1	1.0			
16	2303+49	2304+02	RTE 366	LT		0.6	55		
16	2304+38	2305+59	RTE 366	LT		1.3	127		
16	2305+72	2307+01	RTE 366	LT		1.3	129		
16	2306+04		RTE 366	LT	1	1.0			
16	2306+03	2306+56	RTE 366	RT		0.5	54		
16	2306+04		RTE 366	RT	1	1.0			
16	2307+74		RTE 366	LT	1	1.0			
16	2308+27		RTE 366	LT	1	1.0			
16	2309+07		RTE 366	LT	1	1.0			
16	2312+98		RTE 366	LT	1	1.0			
17	2329+50	2329+81	RTE 366	RT		0.3	32		
17	2313+78		RTE 366	LT	1	1.0			
17	2314+58		RTE 366	LT	1	1.0			
17	2315+19		RTE 366	LT	1	1.0			
17	2315+99		RTE 366	LT	1	1.0			
17	2316+67		RTE 366	LT	1	1.0			
17	2318+18		RTE 366	LT	1	1.0			
17	2321+21		RTE 366	LT	1	1.0			
17	2324+47		RTE 366	LT	1	1.0			
17	2325+85		RTE 366	LT	1	1.0			
17	2328+20		RTE 366	LT	1	1.0			
			SUBTOTAL 1		51	69.8	1,864	-	FROM QTY SHEET 17 OF 62
			SUBTOTAL 2		51	63.5	1,240	-	FROM QTY SHEET 17 OF 62
			SUBTOTAL 3		19	31.9	1,281	-	FROM QTY SHEET 18 OF 62
			SUBTOTAL 4		32	88.8	1,927	338	
			SUBTOTAL 5		39	63.6	2,459	-	
			SUBTOTAL 6		52	57.7	566	-	
			SUBTOTAL 7		31	52.9	2,187	-	
			SUBTOTAL 8		18	30.3	1,232	-	
			TOTAL		293	458	12,756	338	

MOBILIZATION

TOTAL	1 LUMP SUM

CONTRACTOR FURNISHED SURVEYING AND STAKING

TOTAL	1 LUMP SUM

POT HOLING UTILITY FACILITIES

TOTAL	100 EACH

TEMPORARY SHORING

TOTAL	1 LUMP SUM

GROUND IMPROVEMENT

TOTAL	1 LUMP SUM

HAND-RAILING AND FENCE (2 OF 2)

SHEET NO.	FROM STATION	TO STATION	ROADWAY	LOCATION	SIDEWALK HAND-RAILING WITH BALUSTERS	CHAIN LINK FENCE (48 IN.)	REMARKS
					(LF)	(LF)	
45	2180+29.84	2180+46.85	RTE 366	RT	17		
72	2305+17.62	230630.88	RTE 366	LT		113	
				SUBTOTAL 1	39	-	FROM QTY SHEET 19 OF 62
				SUBTOTAL 2	17	113	
				TOTAL	56	113	

RETAINING WALL (2 OF 2)

SHEET NO.	FROM STATION	TO STATION	ROADWAY	LOCATION	MECHANICALLY STABALIZED EARTH WALL SYSTEMS	REMARKS
					(SQFT)	
45	2179+28.40	2180+29.84	RTE 366	RT	525	
				SUBTOTAL 1	85	FROM QTY SHEET 19 OF 62
				SUBTOTAL 2	525	
				TOTAL	610	

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/30/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
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MO ROUTE	STATE
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DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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REV.

SHEET 52 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

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DRAINAGE STRUCTURES (2 OF 3)

STRUCT. ID.	SHEET NO.	CULVERT SECTION SHEET (x of 9)	STATION	ROAD WAY	LOCATION	TYPE	ACTUAL DEPTH	PRECAST CONCRETE DROP INLET 2 FT X 2 FT (FT)	SINGLE STREET INLET (FT)	CONVERT INLET TO MANHOLE (EA)	CONVERT GRATE INLET TO CURB INLET (EA)	SPECIAL STRUCTURE (FT)	SIDEWALK TRENCH DRAIN (EA)	PRECAST CONCRETE MANHOLE - 48 IN. (FT)	PRECAST CONCRETE MANHOLE - 60 IN. (FT)	PRECAST CONCRETE MANHOLE - 72 IN. (FT)	CURVED VANE GRATE AND FRAME (2 FT. X 2 FT . OR 600MM X 600MM) (EA)	MANHOLE FRAME AND COVER, TYPE 2 (EA)	CLASS 3 EXCAVATION (CUYD)	GRANULAR BACKFILL (CUYD)	PIPE OPENINGS (NUMBER - SIZE)	REMARKS
MH-3	39	2	2151+02.55	RTE 366	41.40' RT	4' MH	10.2							10				1	25	(8.8)	1-15", 1-24"	
GI-4	39	2	2151+14.20	RTE 366	34.15' LT	D 2 x 2	4.0	3									1		6	(2.6)	1-12"	
MH-5	39	2	2151+05.47	RTE 366	42.11' LT	4' MH	10.1			1								1			1-12", 1-36"	
GI-1	39	2	2150+35.18	RTE 366	35.00' RT	D 2 x 2	3.6	3									1		5	(2.2)	1-12"	
GI-2	39	2	2151+34.94	RTE 366	34.91' RT	D 2 x 2	5.2	4									1		7	(3.8)	2-12", 1-15"	
GI-3	40	2	2152+01.38	RTE 366	34.18' RT	D 2 x 2	3.9	3									1		5	(2.5)	1-12"	
GI-6	41	2	2159+09.00	RTE 366	55.05' RT	D 2 x 2	4.1	3									1		6	(2.7)	1-12"	
EX-1	41	2	2159+10.41	RTE 366	50.72' RT	4' MH	7.3							7				1	14	(5.8)	2-12", 1-15", 1-24"	R&R AT DISCRETION OF MSD FIELD INSPECTOR
SP-7	42	2	2163+29.50	RTE 366	36.35' RT	D 2 x 2	4.1					3					1		6	(2.7)	1-12"	
MH-8	42	2	2163+19.92	RTE 366	45.91' RT	4' MH	5.3			1								1			3-12"	
GI-9	44	3	2176+24.44	RTE 366	33.36' RT	D 2 x 2	5.0	4									1		7	(3.6)	1-15"	
SP-10	45	3	2179+02.31	RTE 366	26.14' RT	SPECIAL INLET	4.0					4							8	(2.6)	2-15"	
CI-30	45	5	2180+19.22	RTE 366	40.84' LT	D 2 x 2	5.1	4									1		7	(3.7)	1-12", 1-18", 1-24"	
GI-11	45	3	2180+24.00	RTE 366	28.82' RT	D 2 x 2	5.3	4									1		7	(3.9)	1-15"	
GI-14	46	3	2182+87.85	RTE 366	35.34' LT	D 2 x 2	2.6	2									1		4	(1.2)	1-12"	
MH-15	46	3	2182+84.52	RTE 366	47.26' LT	4' MH	3.8			1								1			1-12", 2-15"	
MH-16	46	-	2183+54.47	RTE 366	47.52' LT	4' MH	3.5			1								1			2-12",1-15"	
SP-19	47	3	2187+12.91	RTE 366	45.77' LT	SPECIAL INLET	3.2					3							6	(1.8)	2-18"	
SP-18	47	3	2186+94.17	RTE 366	29.97' RT	SPECIAL INLET	4.4					4							9	(3.0)	2-18"	
MH-17	47	3	2186+91.41	RTE 366	41.62' RT	4' MH	4.6			1								1			1-15", 2-18"	
GI-24	47	4	2189+98.43	RTE 366	35.86' LT	D 2 x 2	4.2	3									1		6	(2.8)	1-12"	
EX-2	47	4	2189+90.35	RTE 366	50.26' LT	D 2 x 2	5.5	5									1		8	(4.1)	2-12", 2-15"	R&R AT DISCRETION OF MSD FIELD INSPECTOR
CI-21	47	4	2188+23.58	RTE 366	47.09' LT	48" MSD CI	4.9				1								10	(3.5)	2-24", 1-36"	
SP-20	47	4	2188+23.71	RTE 366	37.42' LT	SPECIAL INLET	4.5					4							9	(3.1)	2-36"	
GI-25	48	4	2190+29.16	RTE 366	25.28' RT	D 2 x 2	2.8	2									1		4	(1.4)	1-12"	
EX-3	48	4	2190+34.39	RTE 366	38.22' RT	48" MSD CI	4.7		5										10	(3.3)	1-12", 2-15"	R&R AT DISCRETION OF MSD FIELD INSPECTOR
MH-26	48	-	2190+97.44	RTE 366	38.37' RT	4' MH	2.3			1											1-12", 1-15"	R&R AT DISCRETION OF MSD FIELD INSPECTOR
GI-59	49	4	2199+26.49	RTE 366	32.76' RT	D 2 x 2	5.6	5									1		8	(4.2)	2-18"	
GI-27	54	4	2224+91.41	RTE 366	27.83' RT	D 2 x 2	4.0	3									1		6	(2.5)	1-18"	
GI-28	54	4	2226+28.32	RTE 366	27.15' RT	D 2 x 2	4.1	3									1		6	(2.7)	1-18", 2-24"	
MH-29	54	5	2226+28.36	RTE 366	40.42' RT	4' MH	8.6			1								1			2-24"	
MH-58	49	4	2199+23.43	RTE 366	44.07' RT	5' MH	8.5							8				1	21	(7.1)	1-18", 1-24", 1-30"	
GI-59	49	5	2199+26.49	RTE 366	32.76' RT	D 2 x 2	5.8	5									1		8	(4.4)	2-18"	
CI-30	55	5	2231+62.81	RTE 366	31.63' LT	48" MSD CI	4.0				1								9	(2.6)	2-15"	
GI-33	55	5	2232+53.82	RTE 366	25.58' LT	D 2 x 2	4.1	3									1		6	(2.7)	1-15"	
MH-32	55	5	2232+52.92	RTE 366	38.86' LT	4' MH	4.3			1								1			3-15"	
GI-34	56	5	2234+84.06	RTE 366	25.36' LT	D 2 x 2	4.1	3									1		6	(2.6)	1-12"	
MH-35	56	5	2234+89.32	RTE 366	34.20' LT	6' MH	6.0			1						6		1	15	(4.6)	1-12", 2-15", 1-24", 1-48"	
SP-62	50	5	2204+70.47	RTE 366	32.16' LT	SPECIAL INLET	5.9					6							11	(4.5)	1-12", 2-24"	
MH-63	50	6	2204+81.39	RTE 366	44.56' LT	4' MH	5.8							6				1	11	(4.4)	3-15"	
CI-57	60	6	2248+17.83	RTE 366	29.15' RT	48" MSD CI	4.3		4										9	(2.9)	1-12"	
MH-58	60	6	2248+24.43	RTE 366	32.66' RT	4' MH	4.5			1								1			1-12", 2-15"	
CI-59	60	6	2248+24.29	RTE 366	37.69' RT	48" MSD CI	4.5		5										10	(3.1)	2-15"	
CI-38	62	7	2260+22.79	RTE 366	28.15' RT	48" MSD CI	2.6		3										6	(1.2)	1-12"	
EX-5	62	7	2260+30.44	RTE 366	41.37' RT	D 2 x 2	2.8	2									1		5	(1.4)	2-12"	R&R AT DISCRETION OF MSD FIELD INSPECTOR
GI-39	63	7	2266+15.58	RTE 366	24.76' RT	TRIPLE	5.3	12									3		21	(11.8)	1-15"	3 equal 2x2 Inlets connected by small 15" pipes
GI-40	63	7	2266+95.95	RTE 366	25.52' RT	D 2 x 2	4.1	3									1		6	(2.7)	2-15"	
EX-6	63	7	2266+89.93	RTE 366	41.41' RT	4' MH	7.3							7				1	14	(5.8)	1-15", 2-24"	R&R AT DISCRETION OF MSD FIELD INSPECTOR
						SUBTOTAL 2		**79**	**17**	**10**	**2**	**24**	**0**	**30**	**8**	**6**	**24**	**14**	**347**	**(140.3)**		

*GRANULAR BACKFILL SHOWN FOR INFORMATION PURPOSES ONLY. NO DIRECT PAY

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

09/06/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
9/5/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

SHEET 53 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

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DRAINAGE STRUCTURES (3 OF 3)

STRUCT. ID.	SHEET NO.	CULVERT SECTION SHEET (x of 9)	STATION	ROAD WAY	LOCATION	TYPE	ACTUAL DEPTH	PRECAST CONCRETE DROP INLET 2 FT X 2 FT (FT)	SINGLE STREET INLET (FT)	CONVERT INLET TO MANHOLE (EA)	CONVERT GRATE INLET TO CURB INLET (EA)	SPECIAL STRUCTURE (FT)	SIDEWALK TRENCH DRAIN (EA)	PRECAST CONCRETE MANHOLE - 48 IN. (FT)	PRECAST CONCRETE MANHOLE - 60 IN. (FT)	PRECAST CONCRETE MANHOLE - 72 IN. (FT)	CURVED VANE GRATE AND FRAME (2 FT. X 2 FT . OR 600MM X 600MM) (EA)	MANHOLE FRAME AND COVER, TYPE 2 (EA)	CLASS 3 EXCAVATION (CUYD)	GRANULAR BACKFILL (CUYD)	PIPE OPENINGS (NUMBER - SIZE)	REMARKS
GI-41	64	7	2269+33.11	RTE 366	25.23' RT	D 2 x 2	6.8	6									1		10	(5.4)	1-15"	
EX-7	64	7	2269+45.40	RTE 366	40.55' RT	4' MH	8.6							9				1	17	(7.2)	2-15", 2-24"	R&R AT DISCRETION OF MSD FIELD INSPECTOR
GI-42	64	7	2269+91.47	RTE 366	25.57' RT	D 2 x 2	4.4	3									1		6	(3.0)	1-12"	
EX-8	64	7	2269+90.01	RTE 366	43.22' RT	48" MSD CI	8.1		8										17	(6.7)	1-12", 2-24"	R&R AT DISCRETION OF MSD FIELD INSPECTOR
CI-42	65	8	2276+24.99	RTE 366	28.45' RT	48" MSD CI	5.4		5										10	(4.0)	1-12"	
MH-43	65	8	2276+29.33	RTE 366	37.74' RT	4' MH	14.0							14				1	27	(12.6)	1-12", 2-3'X2' BOX	
GI-44	66	8	2279+21.16	RTE 366	26.07' RT	D 2 x 2	2.6	2									1		4	(1.2)	1-12"	
MH-45	66	8	2279+21.89	RTE 366	32.11' RT	4' MH	3.7			1								1			1-12", 1-15"	
GI-47	68	8	2291+85.46	RTE 366	28.19' RT	D 2 x 2	4.2	3									1		6	(2.8)	1-12"	
MH-65	68	8	2291+86.53	RTE 366	37.58' RT	4' MH	5.4			1								1			1-12", 1-15"	
GI-49	69	8	2293+15.11	RTE 366	28.37' RT	D 2 x 2	4.1	3									1		6	(2.7)	1-12"	
MH-48	69	8	2293+14.88	RTE 366	36.49' RT	4' MH	5.1			1								1			3-15"	
GI-50	72	8	2306+04.07	RTE 366	22,32' LT	D 2 x 2	8.8	8									1		12	(7.4)	1-15"	
GI-51	72	9	2307+74.00	RTE 366	20.62' LT	D 2 x 2	4.2	3									1		6	(2.8)	1-12"	
MH-52	72	9	2307+91.24	RTE 366	20.41' LT	4' MH	7.1							7				1	14	(5.6)	1-12", 2-36"	
GI-56	72	9	2309+06.52	RTE 366	21,38' LT	D 2 x 2	4.0	3									1		6	(2.6)	1-12"	
MH-55	72	9	2308+88.44	RTE 366	34.74' LT	4' MH	4.1			1								1			2-12"	
GI-54	72	9	2308+26.81	RTE 366	20.38' LT	D 2 x 2	3.1	2									1		4	(1.7)	1-12"	
MH-53	72	9	2308+18.98	RTE 366	33.14' LT	4' MH	3.5			1								1			2-12", 1-18"	
-	77	-	2333+08.59	RTE 366	37.82' LT	TRENCH							1									SIDEWALK TRENCH DRAIN
MH-60	39	9	2149+22.77	RTE 366	60.0' LT	4' MH	4.6							5					6	(3.2)	1-12", 2-15"	R&R AT DISCRETION OF MSD FIELD INSPECTOR
						SUBTOTAL 1		**4**	**-**	**1**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**11**	**(7.0)**		**FROM QTY SHEET 18 OF 62**
						SUBTOTAL 2		**79**	**17**	**10**	**2**	**24**	**-**	**30**	**8**	**6**	**24**	**14**	**347**	**(140.3)**		
						SUBTOTAL 3		**33**	**13**	**5**	**-**	**-**	**1**	**35**	**-**	**-**	**9**	**8**	**151**	**(68.8)**		
						SUBTOTAL FROM PIPES		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1114**	**(594.6)**		
						TOTAL		**116**	**30**	**16**	**2**	**24**	**1**	**65**	**8**	**6**	**33**	**22**	**1,623**	*		

*GRANULAR BACKFILL SHOWN FOR INFORMATION PURPOSES ONLY. NO DIRECT PAY

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

09/06/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
9/5/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

SHEET 54 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

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DRAINAGE PIPES (2 OF 2)

SHEET NO.	CULVERT SECTION SHEET (X OF 9)	FROM STRUCT.	TO STRUCT.	12 IN. PIPE GROUP A (LF)	15 IN. PIPE GROUP A (LF)	18 IN. PIPE GROUP A (LF)	24 IN. PIPE GROUP A (LF)	30 IN. PIPE GROUP A (LF)	36 IN. PIPE GROUP A (LF)	PIPE COLLAR, TYPE C (EA)	15 IN. OR ALLOWED SUBSTITUTE GROUP A FLARED END SECTION (EA)	24 IN. OR ALLOWED SUBSTITUTE GROUP A FLARED END SECTION (EA)	36 IN. OR ALLOWED SUBSTITUTE GROUP A FLARED END SECTION (EA)	CLASS 3 EXCAVATION (CUYD)	GRANULAR BACKFILL* (CUYD)	REMARKS
39	2	GI-2	MH-3		3									0.2	(.1)	
41	2	GI-6	EX-1	2										0.0	(.0)	
39	2	GI-4	MH-5	9										3.2	(1.5)	
39	2	GI-1	GI-2	102										36.6	(7.3)	
39	2	GI-2	GI-3	65										29.1	(10.9)	
42	2	SP-7	MH-8	11										5.1	(2.6)	
44-45	3	GI-9	GI-10		275									124.0	(25.8)	
45	3	SP-10	FES-10		29						1			15.3	(6.3)	
45	3	GI-11	FES-12		12						1			3.3	(2.6)	
46	3	GI-14	MH-15	10										2.7	(1.2)	
47	4	GI-24	EX-2	15										6.7	(4.3)	
49	4	COL-57	GI-59			8				1				4.9	(2.2)	
48	4	GI-25	EX-3	11										4.1	(1.9)	
54	4	GI-27	GI-28			135								68.1	(10.0)	
49	4	MH-58	COL-60					20		1				30.3	(15.0)	
49	5	GI-59	MH-58			9								5.7	(3.3)	
55	5	GI-33	MH-32		10									20.5	(3.0)	
56	5	GI-34	MH-35	7										2.4	(1.4)	
50	5	COL-61	SP-62				17			1				16.4	(7.4)	
50	6	SP-62	COL-64				18			1				18.3	(9.1)	
50	6	MH-63	SP-62		14									8.4	(4.7)	
60	6	CI-57	MH-58	6										1.2	(.8)	
60	6	CI-59	MH-58		2									0.0	(.0)	
62	7	CI-38	EXIST.	14										4.3	(1.1)	
63	7	GI-39	GI-40		79									39.5	(10.8)	
63	7	GI-40	EX-6		14									9.1	(5.1)	
64	7	GI-41	EX-7		18									14.4	(11.5)	
64	7	GI-42	EX-8	16										7.8	(4.3)	
65	8	CI-42	MH-43	21										13.1	(9.9)	
66	8	GI-44	MH-45	3										0.1	(.0)	
68	8	GI-47	MH-65	6										2.1	(.3)	
69	8	GI-49	MH-48		5									1.4	(.7)	
72	9	GI-50	EXIST.		19									23.7	(17.4)	
72	9	GI-51	MH-52	15										5.9	(2.6)	
72	9	GI-56	MH-55	20										9.7	(6.0)	
72	9	GI-54	MH-53	12										4.3	(2.5)	
39	9	MH-60	FES-13		11						1			0.0	(2.8)	
39	9	MH-3	FES-14				134					1		249.8	(192.8)	
39	9	MH-58	FES-15						129				1	317.6	(199.4)	
					3									0.0	(.0)	2 small pipes connecting Type D inlets in GI-39
		SUBTOTAL 1		**16**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**5.0**	**(3)**	**FROM QTY SHEET 18 OF 62**
		SUBTOTAL 2		**345**	**494**	**152**	**169**	**20**	**129**	**4**	**3**	**1**	**1**	**1,109.3**	**(591.6)**	
		TOTAL		**361**	**494**	**152**	**169**	**20**	**129**	**4**	**3**	**1**	**1**	**---**	*****	**SEE STRUCTURES SCHEDULE ON QTY SHEET 54 OF 62 FOR CLASS 3 EXC TOTAL**

*GRANULAR BACKFILL SHOWN FOR INFORMATION PURPOSES ONLY. NO DIRECT PAY

EARTHWORK (1 OF 1)

SHEET NO.	FROM STATION	TO STATION	ROADWAY	LOCATION	CLASS A EXCAVATION (CUYD)	COMPACTING EMBANKMENT (CUYD)	REMARKS
39	2148+75.44	2151+33.77	RTE 366	LT/RT	1053	317	BRIDGE
40	2179+28.40	2180+29.84	RTE 366	RT	229		BLACKTHORN RETAINING WALL
			TOTAL		**1282**	**317**	

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/30/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED: 7/30/2024
MO ROUTE: 366 | STATE: MO
DISTRICT: SL | SHEET NO.: 3
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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REV.

SHEET 55 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

FINAL SLOPE SURFACES (3 OF 6)

SHEET NO.	FROM STATION	TO STATION	BASELINE	LOCATION	FURNISHING ROCK FILL (CUYD)	PLACING ROCK FILL (CUYD)	ROCK LINING (CUYD)	FURNISHING TYPE 2 ROCK BLANKET (CUYD)	PLACING TYPE 2 ROCK BLANKET (CUYD)	PERMANENT EROSION CONTROL GEOTEXTILE (SQYD)	SLOPE PROTECTION (SQYD)	TURF TYPE TALL FESCUE SODDING (SQYD)	LANDSCAPING RESTORATION (SQYD)	REMARKS
35	2126+61.72	2127+34.44	RTE 366	RT								54		
35-36	2129+25.78	2130+88.93	RTE 366	RT								101		
36	2131+20.48	2131+41.77	RTE 366	RT								17		
36	2131+66.71	2133+16.03	RTE 366	RT								107		
36	2133+43.59	2133+78.79	RTE 366	RT								44		
36-37	2134+15.96	2136+45.27	RTE 366	RT								145		
37	2136+85.41	2138+15.68	RTE 366	RT								175		
37	2139+05.78	2140+13.24	RTE 366	RT								143		
37	2139+66.10	2140+98.43	RTE 366	LT								37		
37	2140+41.39	2141+26.10	RTE 366	RT								110		
37-38	2141+39.58	2143+56.12	RTE 366	LT								185		
38	2141+55.40	2145+53.12	RTE 366	RT								296		
38	2143+86.19	2144+17.99	RTE 366	LT								28		
38	2144+57.77	2145+46.70	RTE 366	LT								77		
38-39	2145+87.34	2147+70.75	RTE 366	RT								56		
38-39	2145+95.45	2147+82.96	RTE 366	LT								86		
39	2148+01.03	2148+36.31	RTE 366	RT								17		
39	2148+24.64	2149+08.39	RTE 366	LT								43		
39	2148+67.60	2149+61.09	RTE 366	RT/LT				485	485	656				
39	2149+61.60	2150+02.35	RTE 366	RT/LT				318	318	402				
39	2149+92.24	2150+46.40	RTE 366	RT								44		
39	2150+02.35	2150+52.00	RTE 366	LT								62		
39	2150+78.63	2151+45.81	RTE 366	RT								38		
39	2150+79.10	2150+45.28	RTE 366	RT								28		
39-40	2150+83.69	2153+25.81	RTE 366	LT								82		
39-40	2151+74.87	2152+89.52	RTE 366	RT								57		
39-40	2151+75.91	2152+89.16	RTE 366	RT								66		
40	2153+24.51	2154+14.79	RTE 366	RT								60		
40	2154+60.83	2154+92.97	RTE 366	RT								7		
40	2154+72.44	2154+89.84	RTE 366	LT								7		
40	2155+16.95	2157+14.94	RTE 366	RT								55		
40	2155+18.63	2156+62.20	RTE 366	LT								40		
40-41	2157+00.15	2158+82.29	RTE 366	LT								100		
41	2157+55.81	2157+82.55	RTE 366	RT								9		
41	2158+41.58	2159+22.61	RTE 366	RT								33		
41-42	2159+66.51	2163+46.00	RTE 366	LT								88		
41	2160+10.63	2160+28.78	RTE 366	RT								8		
41	2160+99.71	2161+23.71	RTE 366	RT								6		
41	2161+49.44	2161+72.08	RTE 366	RT								30		
41-42	2162+11.90	2162+46.91	RTE 366	RT								44		
42	2162+95.13	2165+28.76	RTE 366	RT								231		
42	2163+81.67	2165+19.18	RTE 366	LT								137		
42-43	2165+65.73	2168+23.91	RTE 366	LT								453		
42-43	2165+93.76	2169+35.84	RTE 366	RT								443		
43	2168+55.48	2169+09.76	RTE 366	LT								21		
43	2169+44.34	2170+38.98	RTE 366	LT								45		
43-44	2169+71.89	2172+61.07	RTE 366	RT								537		
43-44	2170+75.53	2176+06.28	RTE 366	LT								262		
44	2173+02.30	2175+40.91	RTE 366	RT								323		
44-45	2175+79.96	2178+94.02	RTE 366	RT								219		
44-45	2176+46.00	2177+82.95	RTE 366	LT								57		
45	2178+20.29	2178+73.67	RTE 366	LT								21		
45	2178+94.02	2180+50.86	RTE 366	RT	29	29								
45	2179+05.26	2180+60.68	RTE 366	LT								69		
45	2179+24.31	2179+36.10	RTE 366	RT			2							FES
45	2180+21.04	2180+25.70	RTE 366	RT			2							FES
45	2180+73.38	2180+92.71	RTE 366	RT								10		
45-46	2180+91.01	2181+55.59	RTE 366	LT								23		
45-46	2181+13.67	2181+42.41	RTE 366	RT								6		
46	2181+84.72	2182+44.28	RTE 366	RT								14		
46	2181+99.64	2182+19.28	RTE 366	LT								6		
SUBTOTAL 3					**29**	**29**	**4**	**803**	**803**	**1058**	**-**	**5462**	**-**	

DISCLAIMER
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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/30/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/30/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

SHEET 56 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

FINAL SLOPE SURFACES (4 OF 6)

SHEET NO.	FROM STATION	TO STATION	BASELINE	LOCATION	FURNISHING ROCK FILL (CUYD)	PLACING ROCK FILL (CUYD)	ROCK LINING (CUYD)	FURNISHING TYPE 2 ROCK BLANKET (CUYD)	PLACING TYPE 2 ROCK BLANKET (CUYD)	PERMANENT EROSION CONTROL GEOTEXTILE (SQYD)	SLOPE PROTECTION (SQYD)	TURF TYPE TALL FESCUE SODDING (SQYD)	LANDSCAPING RESTORATION (SQYD)	REMARKS
46	2182+76.73	2183+22.81	RTE 366	LT								54		
46	2182+96.15	2183+26.26	RTE 366	RT								21		
46	2183+47.81	2183+82.98	RTE 366	LT								16		
46-47	2184+15.65	2186+61.04	RTE 366	LT								178		
46	2184+58.20	2184+85.93	RTE 366	RT								8		
46-47	2185+37.95	2186+22.19	RTE 366	RT								29		
47	2186+78.63	2187+54.48	RTE 366	RT								105		
47	2187+05.51	2189+32.26	RTE 366	LT								130		
47	2188+28.94	2188+49.94	RTE 366	RT								10		
47	2188+79.59	2189+22.11	RTE 366	RT								13		
47	2189+53.15	2189+74.45	RTE 366	RT								5		
47-48	2189+72.94	2191+11.07	RTE 366	LT								68		
47-48	2190+04.98	2190+42.99	RTE 366	RT								19		
48	2190+74.92	2191+05.83	RTE 366	RT								12		
48	2191+34.02	2192+12.24	RTE 366	RT								21		
48	2191+51.36	2191+87.99	RTE 366	LT								12		
48	2192+31.80	2193+50.50	RTE 366	LT								22		
48	2192+42.62	2193+29.66	RTE 366	RT								89		
48	2193+61.13	2193+97.93	RTE 366	RT								38		
48-49	2193+92.04	2195+93.38	RTE 366	LT								49		
48-50	2194+39.51	2203+30.22	RTE 366	RT								60		
48-49	2195+39.76	2195+65.65	RTE 366	RT							27			
49	2195+85.90	2197+53.45	RTE 366	RT							157			
49	2196+23.38	2196+40.36	RTE 366	LT								7		
49-77	2196+70.51	21197+99.44	RTE 366	LT								56		
49	2197+83.74	2198+58.81	RTE 366	RT							54			
49	2198+57.35	2198+99.64	RTE 366	LT								16		
49-50	2199+02.92	2203+30.22	RTE 366	RT								145		
49-50	2199+52.97	2204+93.23	RTE 366	LT								192		
50-51	2203+80.35	2206+65.10	RTE 366	RT								69		
50-51	2205+45.73	2209+46.31	RTE 366	LT								170		
51	2207+15.76	2209+48.44	RTE 366	RT								73		
51	2209+84.97	2210+81.04	RTE 366	RT								138		
51-52	2209+88.08	2214+88.10	RTE 366	LT								161		
51	2211+11.90	2211+29.81	RTE 366	RT								18		
51-52	2211+50.95	2213+19.94	RTE 366	RT								170		
52	2213+50.97	2214+42.42	RTE 366	RT								91		
52	2214+79.36	2214+97.76	RTE 366	RT								19		
52	2215+00.69	2215+75.81	RTE 366	LT								39		
52	2215+29.72	2215+51.29	RTE 366	RT								21		
52	2215+84.20	2216+25.56	RTE 366	LT								17		
52	2216+12.71	2216+51.06	RTE 366	RT								38		
52	2216+35.09	2216+75.80	RTE 366	LT								14		
52	2216+82.03	2217+00.41	RTE 366	RT								8		
52	2216+86.60	2217+28.01	RTE 366	LT								20		
52-53	2217+31.64	2217+59.86	RTE 366	RT								27		
52-53	2217+37.87	2218+28.58	RTE 366	LT								38		
53	2217+90.63	2218+36.65	RTE 366	RT								43		
53	2218+72.15	2219+26.07	RTE 366	LT								23		
53	2218+81.59	2221+00.36	RTE 366	RT								145		
53	2219+36.45	2219+77.52	RTE 366	LT								19		
53	2219+89.44	2220+83.25	RTE 366	LT								107		
53-55	2221+23.48	2231+17.37	RTE 366	LT								808		
53	2221+26.85	2221+62.20	RTE 366	RT								13		
53-54	2221+98.39	2223+54.84	RTE 366	RT								136		
54	2223+71.78	2224+00.22	RTE 366	RT								42		
54	2224+19.07	2224+41.69	RTE 366	RT								36		
54	2224+68.22	2225+04.74	RTE 366	RT								12		
54	2225+30.15	2226+90.61	RTE 366	RT								107		
54	2227+18.62	2227+65.69	RTE 366	RT								18		
54-55	2228+08.61	2228+78.69	RTE 366	RT								22		
55	2229+21.89	2229+70.28	RTE 366	RT								26		
55	2230+04.70	2230+50.73	RTE 366	RT								31		
55	2230+88.23	2231+39.99	RTE 366	RT								35		
55	2231+44.58	2231+69.82	RTE 366	LT								29		
55	2231+90.73	2232+04.99	RTE 366	RT								48		
55	2232+15.45	2232+79.41	RTE 366	LT								50		
SUBTOTAL 4					-	-	-	-	-	-	238	4256	-	

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/30/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/30/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION

DATE

REV.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

SHEET 57 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

FINAL SLOPE SURFACES (5 OF 6)

SHEET NO.	FROM STATION	TO STATION	BASELINE	LOCATION	FURNISHING ROCK FILL (CUYD)	PLACING ROCK FILL (CUYD)	ROCK LINING (CUYD)	FURNISHING TYPE 2 ROCK BLANKET (CUYD)	PLACING TYPE 2 ROCK BLANKET (CUYD)	PERMANENT EROSION CONTROL GEOTEXTILE (SQYD)	SLOPE PROTECTION (SQYD)	TURF TYPE TALL FESCUE SODDING (SQYD)	LANDSCAPING RESTORATION (SQYD)	REMARKS
55	2232+38.79	2232+74.41	RTE 366	RT								11		
55-56	2233+16.00	2233+67.30	RTE 366	RT								16		
55-56	2233+19.89	2235+08.93	RTE 366	LT								242		
56	2234+17.15	2234+30.35	RTE 366	RT								12		
56	2234+45.33	2236+33.49	RTE 366	RT								117		
56-57	2235+58.27	2238+14.13	RTE 366	LT								131		
56-57	2236+97.40	2238+37.06	RTE 366	RT								84		
57-58	2238+75.13	2242+57.92	RTE 366	LT								134		
57-58	2239+72.44	2242+03.46	RTE 366	RT								159		
58-59	6+12.66	6+44.78	LACLEDE STATION	LT								10		
58	2243+15.77	2243+35.68	RTE 366	RT								14		
58	2243+66.71	2243+81.99	RTE 366	RT								5		
58	2244+04.40	2244+32.41	RTE 366	RT								13		
58-60	2244+20.94	2245+91.26	RTE 366	LT								66		
58	2245+13.78	2245+47.99	RTE 366	RT								21		
59	7+03.59	7+22.60	LACLEDE STATION	LT								8		
59	7+03.98	7+28.14	LACLEDE STATION	RT								9		
60	2245+83.69	2246+64.74	RTE 366	RT								50		
60	2246+25.59	2246+67.02	RTE 366	LT								17		
60	2246+64.74	2247+22.02	RTE 366	RT								18		
60	2247+54.10	2248+36.59	RTE 366	RT								42		
60	2247+94.15	2248+10.54	RTE 366	LT								13		
60	2248+67.42	2248+96.54	RTE 366	RT								15		
60	2249+27.68	2249+66.06	RTE 366	RT								23		
60	2249+88.05	2250+37.51	RTE 366	LT								32		
60	2249+91.09	2250+25.62	RTE 366	RT								29		
60-61	2250+60.55	2251+91.91	RTE 366	RT								82		
60-61	2250+83.93	2251+31.44	RTE 366	LT								49		
61	2251+74.54	2252+06.11	RTE 366	LT								26		
61	2252+42.31	2252+65.80	RTE 366	RT								18		
61	2252+52.20	2252+84.91	RTE 366	LT								27		
61	2252+91.36	2253+27.93	RTE 366	RT								21		
61	2253+24.01	2254+03.45	RTE 366	LT								58		
61	2253+52.44	2253+91.00	RTE 366	RT								21		
61	2254+12.22	2254+32.73	RTE 366	RT								11		
61	2254+33.31	2254+93.12	RTE 366	LT								29		
61	2254+57.71	2255+10.92	RTE 366	RT								37		
61	2255+23.61	2255+62.83	RTE 366	LT								31		
61	2255+36.07	2255+65.91	RTE 366	RT								45		
61	2255+91.05	2256+47.97	RTE 366	RT								34		
61-62	2256+05.13	2257+58.86	RTE 366	LT								83		
62	2256+65.96	2257+32.29	RTE 366	RT								41		
62	2257+62.78	2257+74.14	RTE 366	RT								3		
62	2258+03.02	2258+19.38	RTE 366	RT								4		
62-63	2258+07.72	2264+08.96	RTE 366	LT								360		
62	2258+45.53	2258+63.32	RTE 366	RT								5		
62	2258+92.15	2259+32.05	RTE 366	RT								28		
62	2259+54.04	2260+61.63	RTE 366	RT								76		
62	2260+96.86	2261+34.17	RTE 366	RT								40		
62-63	2261+54.70	2264+26.48	RTE 366	RT								137		
63	2264+85.80	2264+49.04	RTE 366	RT								39		
63	2265+90.15	2266+32.45	RTE 366	RT								50		
63	2266+76.50	2267+07.18	RTE 366	RT								16		
63-64	2267+38.39	2269+48.57	RTE 366	RT								153		
64	2269+80.59	2270+40.00	RTE 366	RT	23	23								
64	2270+40.00	2271+30.10	RTE 366	RT								76		
64-65	2271+45.97	2273+40.48	RTE 366	RT								137		
65	2273+63.67	2275+41.67	RTE 366	RT								59		
65	2275+90.15	2276+36.44	RTE 366	RT								33		
65-66	2276+69.13	2277+33.99	RTE 366	RT								50		
66	2277+75.68	2278+06.32	RTE 366	RT								14		
66	2278+45.52	2278+69.63	RTE 366	RT								16		
66	2279+01.31	2279+52.30	RTE 366	RT								27		
66	2279+83.61	2280+70.84	RTE 366	RT								55		
66-68	2281+00.35	2287+43.02	RTE 366	RT								518		
SUBTOTAL 5					**23**	**23**	**-**	**-**	**-**	**-**	**-**	**3800**	**-**	

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

09/06/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
9/5/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

SHEET 58 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

FINAL SLOPE SURFACES (6 OF 6)

SHEET NO.	FROM STATION	TO STATION	BASELINE	LOCATION	FURNISHING ROCK FILL (CUYD)	PLACING ROCK FILL (CUYD)	ROCK LINING (CUYD)	FURNISHING TYPE 2 ROCK BLANKET (CUYD)	PLACING TYPE 2 ROCK BLANKET (CUYD)	PERMANENT EROSION CONTROL GEOTEXTILE (SQYD)	SLOPE PROTECTION (SQYD)	TURF TYPE TALL FESCUE SODDING (SQYD)	LANDSCAPING RESTORATION (SQYD)	REMARKS
67	2283+33.87	2284+27.97	RTE 366	LT								49		
68	2288+07.70	2289+84.28	RTE 366	RT								134		
68	2290+16.11	2290+34.42	RTE 366	RT								11		
68	2290+65.25	2292+00.39	RTE 366	RT								68		
68-69	2292+30.27	2292+69.69	RTE 366	RT								14		
69	2292+99.14	2294+02.55	RTE 366	RT								28		
71	2302+17.05	2302+46.79	RTE 366	LT								17		
71-74	2302+92.61	2317+09.34	RTE 366	LT								769		
72	2305+25.94	2307+71.42	RTE 366	LT	33	33								
72	2306+05.58	2306+54.97	RTE 366	RT	6	6								
74-76	2317+87.26	2326+17.27	RTE 366	LT								189		
76-77	2327+90.85	2330+77.09	RTE 366	LT								73		
76	2329+50.24	2329+81.90	RTE 366	RT								35		
76-77	2330+11.01	2330+51.98	RTE 366	RT								49		
77	2330+81.43	2331+10.06	RTE 366	RT								22		
77	2331+29.93	2333+74.38	RTE 366	LT								69		
77	2331+59.59	2332+74.25	RTE 366	RT								108		
77	2333+04.61	2333+11.00	RTE 366	LT			1							SIDEWALK TRENCH DRAIN
77	2333+24.65	2333+47.26	RTE 366	RT								24		
77	2333+72.55	2334+19.74	RTE 366	RT								42		
77	2334+14.66	2335+05.85	RTE 366	LT								48		
77	2334+60.28	2335+60.73	RTE 366	RT								63		
SUBTOTAL 1					**-**	**-**	**-**	**-**	**-**	**-**	**-**	**6,899**	**52**	**FROM QTY SHEET 19 OF 62**
SUBTOTAL 2					**-**	**-**	**-**	**-**	**-**	**-**	**-**	**2,030**	**-**	**FROM QTY SHEET 19 OF 62**
SUBTOTAL 3					**29**	**29**	**4**	**803**	**803**	**1058**	**-**	**5,462**	**-**	
SUBTOTAL 4					**-**	**-**	**-**	**-**	**-**	**-**	**238**	**4,256**	**-**	
SUBTOTAL 5					**23**	**23**	**-**	**-**	**-**	**-**	**-**	**3,800**	**-**	
SUBTOTAL 6					**39**	**39**	**1**	**-**	**-**	**-**	**-**	**1,812**	**-**	
TOTAL					**91**	**91**	**5**	**803**	**803**	**1058**	**238**	**24,259**	**52**	

CRESTWOOD SIGNAL PAINTING AND POWDER COATING (1 OF 1)

SHEET NO.	INTERSECTION	PAINTING NEW SAPPINGTON INTERSECTION SIGNAL EQUIPMENT (LS)	PAINTING NB GLENWOOD SIGN MAST ARM AND POST (LS)	POWDER COATING SIGNAL EQUIPMENT, 15 FT POST (EA)	POWDER COATING SIGNAL EQUIPMENT, 8 FT POST (EA)	POWDER COATING SIGNAL EQUIPMENT, 4 FT POST (EA)	POWDER COATING SIGNAL EQUIPMENT, TYPE CL POST W/ 20' MAST ARM (EA)	POWDER COATING SIGNAL EQUIPMENT, TYPE CL POST W/ 30' MAST ARM (EA)	POWDER COATING SIGNAL EQUIPMENT, TYPE CL POST W/ 35' MAST ARM (EA)	POWDER COATING SIGNAL EQUIPMENT, TYPE CL POST W/ 50' MAST ARM (EA)	POWDER COATING SIGNAL EQUIPMENT, TYPE C POST W/ 20' MAST ARM (EA)	POWDER COATING SIGNAL EQUIPMENT, TYPE C POST W/ 25' MAST ARM (EA)	POWDER COATING SIGNAL EQUIPMENT, TYPE C POST W/ 30' MAST ARM (EA)	POWDER COATING SIGNAL EQUIPMENT, TYPE C POST W/ 40' MAST ARM (EA)	POWDER COATING SIGNAL EQUIPMENT, TYPE C POST W/ 45' MAST ARM (EA)	POWDER COATING SIGNAL EQUIPMENT, TYPE C POST W/ 50' MAST ARM (EA)	POWDER COATING SIGNAL EQUIPMENT, TYPE BL POST W/ 30' LONGEST MAST ARM (EA)	POWDER COATING SIGNAL EQUIPMENT, TYPE BL POST W/ 40' LONGEST MAST ARM (EA)	REMARKS
332	STURDY				4		1				1			2					
338	GLENWOOD		1		5					1		2	1						
344	NEW SAPPINGTON	1			3														
350	WATSON INDUSTRIAL				2			1	1	2									
356	PARDEE			2	4												1	1	
362	GRANT				3	3								1	2	1			
TOTAL		**1**	**1**	**2**	**21**	**3**	**1**	**1**	**1**	**3**	**1**	**2**	**1**	**3**	**2**	**1**	**1**	**1**	

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

09/06/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
9/5/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE	REV.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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SHEET 59 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

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PAVEMENT MARKING QUANTITIES (2 OF 3)

PM SHEET (X OF 18)	BASELINE	FROM STATION	TO STATION	LOCATION	WATERBORNE PAVEMENT MARKING	HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT					PREFORMED THERMOPLASTIC													REMARKS
					4 IN. WHITE WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS	4 IN. YELLOW HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS		6 IN. WHITE HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS			6 IN. YELLOW WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 6 IN. WHITE	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24 IN. WHITE	PREFORMED THERMOPLASTIC PAVEMENT MARKING, LEFT/RIGHT ARROW		PREFORMED THERMOPLASTIC PAVEMENT MARKING, STRAIGHT ARROW	PREFORMED THERMOPLASTIC PAVEMENT MARKING, COMBINATION STR/LT/RT	PREFORMED THERMOPLASTIC PAVEMENT MARKING, WORD (ONLY)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 30 IN WHITE MIDBLOCK (30" X 6')	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 12 IN WHITE, YIELD LINE TRIANGLES	TEMPORARY PAVEMENT MARKING	4 IN TEMPORARY PAVEMENT MARKING PAINT	PAVEMENT MARKING REMOVAL	PAVEMENT MARKING REMOVAL (SYMBOLS)	
					SOLID (LF)	SOLID (LF)	INTER-MITTENT (LF)	SOLID (LF)	INTER-MITTENT (LF)	DOTTED (LF)	SOLID (LF)	DOTTED (LF)	(LF)	LT (EA)	RT (EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(LF)	(LF)	(EA)	
8	RTE 366	2126+00	2127+96	FROM STA. 2126+00 TO CRESTWOOD CROSSING INTERSECTION		291		894	44						1									
8	RTE 366	2127+43	2128+91	CRESTWOOD CROSSING INTERSECTION				91					101							42	8				
8	RTE 366	2128+74	2138+30	FROM CRESTWOOD CROSSING TO CRESTVIEW PLAZA		1678		3141	346	53				6											
8	RTE 366	2137+84	2139+36	CRESTVIEW PLAZA INTERSECTION		18		9					93							32					
8	RTE 366	2138+99	2145+47	FROM CRESTVIEW PLAZA TO WATSON INDUSTRIAL		1173		2296	206	44				4											
8	RTE 366	2139+31	2157+88	FROM WATSON INDUSTRIAL TO GRANT RD																			5513	10	REMOVE EXITING INCLUDING 6 LEFT ARROWS AND 4 24" STOP BARS
8	RTE 366	2140+22	2158+34	FROM WATSON INDRUSTIAL TO GRANT RD																	11	5874			4 LEFT ARROWS, 1 RIGHT ARROW, AND 6 24" STOP BARS
8	RTE 366	2140+22	21+58.00	FROM WATSON INDUSTRIAL TO GRANT RD																	10	5817			4 LEFT ARROWS AND 6 24" STOP BARS
8	RTE 366	2140+24	2158+11	FROM WATSON INDUSTRIAL TO GRANT RD																	11	3691			6 LEFT ARROWS AND 5 24" STOP BARS
8	RTE 366	2140+24	21+58.00	FROM WATSON INDUSTRIAL TO GRANT RD																	11	3691			6 LEFT ARROWS AND 5 24" STOP BARS
8	RTE 366	2145+20	2146+32	WATSON INDUSTRIAL INTERSECTION		28							118							30					
8-9	RTE 366	2146+08	2153+61	FROM WATSON INDUSTRIAL TO PARDEE		1469		2013	286	77				4											
8-9	RTE 366	2147+64	2148+05	BROOKVIEW DRIVE (EAST) INTERSECTION		31							16							8					
9	RTE 366	2153+15	2155+31	PARDEE LANE INTERSECTION		23		112				45	89							32					GRANT'S TRAIL MIDBLOCK MARKINGS ARE 12 FT WIDE
9	RTE 366	2154+57	2159+39	PARDEE LANE TO GRANT RD		819		1406	142	50				2	1										
9	RTE 366	2158+85	2160+10	GRANT RD INTERSECTION		538		459		21			113	2						44			142		
9-10	RTE 366	2159+55	2186+59	GRANT RD TO ELM AVE		5180	1093	6263	1260					9	3										
10	RTE 366	2180+50	2181+13	BLACKTHORN DR INTERSECTION									18							8					
10	RTE 366	2186+09	2187+31	ELM AVE INTERSECTION		381		191					113	3						31					
10-11	RTE 366	2186+85	2209+21	ELM AVE TO CHESHIRE LANE		4471	846	4955	1015					12											
11	RTE 366	2198+64	2199+01	GENERAL GRANT LANE INTERSECTION									15							8					
11	RTE 366	2204+94	2205+45	E OLD WATSON RD INTERSECTION		89							22							9					
11	RTE 366	2209+16	2210+33	CHESHIRE LANE INTERSECTION		90		45					131	1						27					
11-13	RTE 366	2210+28	2242+13	CHESHIRE LANE TO LACLEDE STATION RD		7374	688	6762	1533					10	1										
12	RTE 366	2218+28	2218+71	GIRARD DRIVE INTERSECTION									18							9					
12	RTE 366	2220+88	2221+21	EDGAR ROAD INTERSECTION		5		3					21							7					
12	RTE 366	2226+86	2227+24	GRANT COLONIAL DRIVE INTERSECTION									14							8					
12	RTE 366	2231+13	2231+45	CULVERHILL DRIVE INTERSECTION									15							7					
13	RTE 366	2236+36	2236+95	GRANT VILLAGE DRIVE INTERSECTION									28							10					
13	LACLEDE STATION	2+95	4+34	NORTHERN OVERLAY LIMIT TO LACLEDE STATION RD INTERSECTION		277		579	33					1	2										
13	LACLEDE STATION	4+19	5+89	LACLEDE STATION RD INTERSECTION									213							68	13				
13	LACLEDE STATION	5+53	6+55	LACLEDE STATION RD TO HEEGE RD		198		504						3											
13	LACLEDE STATION	6+46	7+18	HEEGE RD INTERSECTION		50		56					113							31					
13	LACLEDE STATION	7+18	8+86	HEEGE RD TO SOUTHERN OVERLAY LIMIT		337		355	62					2		1	1								
13-16	RTE 366	2243+32	2294+93	LACLEDE STATION RD TO KUDA CT		10540	183	10666	2478					4	2										
13-14	RTE 366	2246+65	2246+95	MARTYS DRIVE INTERSECTION									16							6					
14	RTE 366	2249+56	2249+92	PEMBROKE DRIVE INTERSECTION									28							12					
14	RTE 366	2252+65	2252+92	ALDERSHOT DRIVE INTERSECTION									13							6					
14	RTE 366	2255+60	2256+08	CROYDON DRIVE/ WIMBLEDON DRIVE INTERSECTION									29							15					
14	RTE 366	2263+03	2263+70	OAK KNOLL MANOR DRIVE MID-BLOCK CROSSING																9	26				
				SUBTOTAL 2	**-**	**37870**		**48450**			**-**	**45**	**1337**	**63**	**10**	**1**	**1**	**-**	**459**	**47**	**43**	**19073**	**5655**	**10**	

SHEET 60 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/30/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/30/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

REV.

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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TEMPORARY PAVEMENT MARKING PAINT	
TOTAL	1 LUMP SUM

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PAVEMENT MARKING QUANTITIES (3 OF 3)

PM SHEET (X OF 18)	BASELINE	FROM STATION	TO STATION	LOCATION	WATERBORNE PAVEMENT MARKING	HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT						PREFORMED THERMOPLASTIC												REMARKS
					4 IN. WHITE WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS	4 IN. YELLOW HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS		6 IN. WHITE HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS			6 IN. YELLOW WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 6 IN. WHITE	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24 IN. WHITE	PREFORMED THERMOPLASTIC PAVEMENT MARKING, LEFT/RIGHT ARROW		PREFORMED THERMOPLASTIC PAVEMENT MARKING, STRAIGHT ARROW	PREFORMED THERMOPLASTIC PAVEMENT MARKING, COMBINATION STR/LT/RT	PREFORMED THERMOPLASTIC PAVEMENT MARKING, WORD (ONLY)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 30 IN WHITE MIDBLOCK (30" X 6')	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 12 IN WHITE, YIELD LINE TRIANGLES	TEMPORARY PAVEMENT MARKING	4 IN TEMPORARY PAVEMENT MARKING PAINT	PAVEMENT MARKING REMOVAL	PAVEMENT MARKING REMOVAL (SYMBOLS)	
					SOLID (LF)	SOLID (LF)	INTER-MITTENT (LF)	SOLID (LF)	INTER-MITTENT (LF)	DOTTED (LF)	SOLID (LF)	DOTTED (LF)	(LF)	LT (EA)	RT (EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(LF)	(LF)	(EA)	
15	RTE 366	2283+43	2284+10	SENIOR CENTER MID-BLOCK CROSSING															9	26					
16	RTE 366	2294+59	2295+78	KUDA CT (KENRICK PLAZA WEST ENTRANCE) INTERSECTION									56						29						
16-17	RTE 366	2294+89	2317+16	KUDA CT TO JACOBS COAL RD		5299		5343	988				94	4	4										
17	RTE 366	2302+44	2302+97	KENRICK PLAZA EAST ENTRANCE INTERSECTION									22						9						
17	RTE 366	2317+10	2317+98	JACOBS COAL ROAD INTERSECTION									87						13						
17	RTE 366	2317+16	2326+74	JACOBS COAL ROAD TO ROUTE P		2796		2693	357				63	2	1										
17	RTE 366	2326+35	2327+54	ROUTE P INTERSECTION				91					80						15						
17	RTE 366	2327+37	2334+97	ROUTE P TO END OF PROJECT		1487		2417	478					4	1										
				SUBTOTAL 1	3110	26,034		43,391			3121	174	1,056	68	21	1	2	2	327	84	-	-	-	-	FROM QTY SHEET 20 OF 62
				SUBTOTAL 2	-	37,870		48,450			-	45	1,337	63	10	1	1	-	459	47	43	19,073	5,655	10	
				SUBTOTAL 3	-	9,582		12,367			-	-	402	10	6	-	-	-	75	26	-	-	-	-	
				TOTAL	3110	73,486		120,938			3121	219	2,795	178		2	3	2	861	157	43	19,073	5,655	10	

LIGHTING (2 OF 2)

LIGHTING SHEET (X OF 17)	FROM STATION	TO STATION	ROADWAY	LOCATION	30 FT. TOP MOUNT LIGHT POLE	45 FT. TOP MOUNT LIGHT POLE	TOP MOUNTED LED-A LUMINAIRE	TOP MOUNTED LED-B LUMINAIRE	POLE FOUNDATION (30 FT. OR 9.0 M MOUNTING HEIGHT)	POLE FOUNDATION (45 FT. OR 13.2 M MOUNTING HEIGHT)	CONDUIT, 4 IN. RIGID, IN TRENCH	CONDUIT, 4 IN. RIGID, PUSHED	TRENCHING TYPE I	CABLE, 10 AWG 1 CONDUCTOR, POLE AND BRACKET	CABLE-CONDUIT, 1 IN., 2 CONDUCTORS AND 1 BARE NEUTRAL, 8 AWG	PULL BOX, PREFORMED CLASS 1	PULL BOX, PREFORMED CLASS 3	REMARKS
					(EA)		(EA)	(EA)	(EA)	(EA)	(LF)	(LF)	(LF)	(LF)	(LF)	(EA)	(EA)	
9	2154+16.13		RTE 366	RT													1	PULL BOX B1
9	2153+77.21		RTE 366	RT	1		1		1									LIGHT POLE B101
9	2154+72.42		RTE 366	RT												1		PULL BOX B2
9	2155+16.89		RTE 366	LT												1		PULL BOX B3
9	2155+18.39		RTE 366	LT	1		1		1									LIGHT POLE B102
9	2154+07.45	2154+16.13	RTE 366	RT							12							PARDEE CONTROLLER TO PULL BOX B1
9	2154+07.45	2153+77.21	RTE 366	RT									47	72	75			PARDEE CONTROLLER TO LIGHT POLE B101
9	2154+16.13	2154+72.42	RTE 366	RT								54						PULL BOX B1 TO PULL BOX B2
9	2154+72.42	2155+16.89	RTE 366	LT/RT								131						PULL BOX B2 TO PULL BOX B3
9	2154+07.45	2155+18.39	RTE 366	LT/RT									8		238			PARDEE CONTROLLER TO LIGHT POLE B102
9	2296+30.63		RTE 366	LT		1		1		1								LIGHT POLE C101
9	2296+15.98	2296+30.63	RTE 366	LT									15	90	23			EXIST. LIGHTING PULL BOX LIGHT POLE C101
				SUBTOTAL 1	2	-	3	-	3	-	321	173	-	194	243	3	-	FROM QTY SHEET 20 OF 62
				SUBTOTAL 2	2	1	2	1	2	1	12	185	70	162	336	2	1	
				5% FOR SNAKING	-		-	-	-	-	-	-	-	374	608	-	-	
				TOTAL	4	1	5	1	5	1	333	358	70	380	610	5	1	

TRAFFIC SIGNAL MAINTENANCE & PROGRAMMING	
TOTAL	1 LUMP SUM

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
09/06/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED 9/5/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 3
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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REV.

SHEET 61 OF 62

QUANTITIES

ROUTE 366
WATSON ROAD

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EFFECTIVE 02-27-2024

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL AREA SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NUM.	DESCRIPTION
WARNING SIGNS								
WO1-1L	48X48	16.00						TURN (SYMBOL LEFT ARROW)
WO1-1R	48X48	16.00						TURN (SYMBOL RIGHT ARROW)
WO1-2L	48X48	16.00						CURVE (SYMBOL LEFT ARROW)
WO1-2R	48X48	16.00						CURVE (SYMBOL RIGHT ARROW)
WO1-3L	48X48	16.00	4	64.00				REVERSE TURN (SYMBOL LEFT ARROW)
WO1-3R	48X48	16.00	4	64.00				REVERSE TURN (SYMBOL RIGHT ARROW)
WO1-4L	48X48	16.00	4	64.00				REVERSE CURVE (SYMBOL LEFT ARROW)
WO1-4R	48X48	16.00	4	64.00				REVERSE CURVE (SYMBOL RIGHT ARROW)
WO1-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)
WO1-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)
WO1-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)
WO1-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)
WO1-6	60X30	12.50						HORIZONTAL ARROW (SYMBOL)
WO1-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)
WO1-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)
WO1-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)
WO1-8	18X24	3.00						CHEVRON (SYMBOL)
WO1-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)
WO3-1	48X48	16.00						STOP AHEAD (SYMBOL)
WO3-2	48X48	16.00	4	64.00				YIELD AHEAD (SYMBOL)
WO3-3	48X48	16.00						SIGNAL AHEAD (SYMBOL)
WO3-4	48X48	16.00	4	64.00				BE PREPARED TO STOP
WO3-5	48X48	16.00	8	128.00			12	SPEED LIMIT AHEAD
WO4-1L	48X48	16.00	4	64.00				MERGE (SYMBOL FROM LEFT)
WO4-1R	48X48	16.00	4	64.00				MERGE (SYMBOL FROM RIGHT)
WO4-1aL	48X48	16.00	4	64.00			6A	MERGE (ARROW SYMBOL)
WO4-1aR	48X48	16.00	4	64.00			6A	MERGE (ARROW SYMBOL)
WO5-1	48X48	16.00	7	112.00			43	ROAD/BRIDGE/RAMP NARROWS
WO5-3	48X48	16.00						ONE LANE BRIDGE
WO5-5	48X48	16.00						NARROW LANES
WO6-1	48X48	16.00						DIVIDED HIGHWAY (SYMBOL)
WO6-2	48X48	16.00						DIVIDED HIGHWAY END (SYMBOL)
WO6-3	48X48	16.00						TWO WAY TRAFFIC (SYMBOL)
WO7-3a	30X24	5.00	4	20.00			44A	NEXT XX MILES (PLAQUE)
WO8-1	48X48	16.00	4	64.00				BUMP
WO8-2	48X48	16.00						DIP
WO8-3	48X48	16.00						PAVEMENT ENDS
WO8-4	48X48	16.00						SOFT SHOULDER
WO8-5	48X48	16.00						SLIPPERY WHEN WET (SYMBOL)
WO8-6	48X48	16.00	4	64.00				TRUCK CROSSING (WITH FLAGS)
WO8-6c	48X48	16.00	4	64.00				TRUCK ENTRANCE
WO8-7	36X36	9.00						LOOSE GRAVEL
WO8-7a	36X36	9.00						FRESH OIL/LOOSE GRAVEL
WO8-9	48X48	16.00						LOW SHOULDER
WO8-11	48X48	16.00	16	256.00				UNEVEN LANES
WO8-12	48X48	16.00						NO CENTER LINE
WO8-15	48X48	16.00						GROOVED PAVEMENT
WO8-15P	30X24	5.00						MOTORCYCLE (PLAQUE)
WO8-17	48X48	16.00	16	256.00				SHOULDER DROP-OFF (SYMBOL)
WO8-17P	30X24	5.00	16	80.00				SHOULDER DROP-OFF (PLAQUE)
W10-1	42RND.	9.62						RAILROAD CROSSING
WO12-1	24X24	4.00						DOUBLE DOWN ARROW (SYMBOL)
WO12-2	48X48	16.00						LOW CLEARANCE (SYMBOL)
WO12-2X	24X18	3.00						LOW CLEARANCE (PLAQUE)
WO12-2a	84X24	14.00						OVERHEAD LOW CLEARANCE (FEET AND INCHES)
WO12-4	120X60	50.00						LOW CLEARANCE XX FT XX IN XX MILES AHEAD
WO12- 5	120X60	50.00						WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD
WO13-1	30X30	6.25	16	100.00			44	ADVISORY SPEED (PLAQUE)
WO16-2	30X24	5.00						XXX FEET (PLAQUE)
WO16-3	30X24	5.00						X MILE (PLAQUE)
WO20-1	48X48	16.00	102	1632.00			2	ROAD/BRIDGE/RAMP WORK AHEAD
WO20-2	48X48	16.00						DETOUR AHEAD
WO20-3	48X48	16.00						ROAD/BRIDGE/RAMP CLOSED AHEAD
WO20-4	48X48	16.00	8	128.00			7	ONE LANE ROAD AHEAD
WO20- 5	48X48	16.00	16	256.00			5	RIGHT/CENTER/LEFT LANE CLOSED AHEAD
WO20-5a	48X48	16.00	4	64.00				2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD
WO20-6a	48X48	16.00	16	256.00			6	RIGHT/CENTER/LEFT LANE CLOSED
WO20-7a	48X48	16.00	8	128.00			8	FLAGGER (SYMBOL, WITH FLAGS)
WO21-2	36X36	9.00						FRESH OIL
WO21-5	48X48	16.00	16	256.00			21	SHOULDER WORK AHEAD
WO22-1	48X48	16.00						BLASTING ZONE AHEAD
WO22-2	42X36	10.50						TURN OFF 2-WAY RADIO AND PHONE
WO22-3	42X36	10.50						END BLASTING ZONE
GO22-1	21X15	2.19	8	17.52				WET PAINT (ARROW PIVOTS)

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL SQ.FT.	QTY RELOCR EACH	TOTAL RELOC SQ.FT.	SIGN NUM.	DESCRIPTION
GUIDE SIGNS								
E0S-1	36X48	12.00	2	24.00				GORE EXIT
E0S-2	48X36	12.00						EXIT OPEN
E0S-2a	48X36	12.00						EXIT CLOSED
GO20-1	60X24	10.00	2	20.00			1	ROAD WORK NEXT 6.3 MILES
GO20-2	48X24	8.00	2	16.00			26	END ROAD WORK
GO20-4	36X18	4.50						PILOT CAR FOLLOW ME
GO20-4a	42X30	8.75						PILOT CAR IN USE WAIT & FOLLOW
GO20-4a	18X12	1.50						PILOT CAR IN USE WAIT & FOLLOW
GO20-5aP	36X24	6.00	40	240.00			54	WORK ZONE (PLAQUE)
MO4-8a	24X18	3.00						END DETOUR
MO4-9L	48X36	12.00						DETOUR (LEFT ARROW)
MO4-9R	48X36	12.00						DETOUR (RIGHT ARROW)
MO4-9P	48X12	4.00						STREET NAME (PLAQUE)
MO4-10L	48X18	6.00						DETOUR (ARROW LEFT)
MO4-10R	48X18	6.00						DETOUR (ARROW RIGHT)
REGULATORY SIGNS								
R1-1	48X48	13.25	8	106.00				STOP
R1-2	48TRI.	6.93	8	55.44				YIELD
R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)
R1-3P	30X12	2.50						ALL WAY (PLAQUE)
R2-1	36X48	12.00	32	384.00			4,25	SPEED LIMIT XX (SEE NOTE 8)
R3-1	48X48	16.00	2	32.00			3	NO RIGHT TURN (SYMBOL)
R3-2	48X48	16.00	6	96.00			50, 4	NO LEFT TURN (SYMBOL)
R3-3	36X36	9.00						NO TURNS
R3-4	48X48	16.00						NO U-TURN (SYMBOL)
R3-7L	30X30	6.25	2	12.50			45	LEFT LANE MUST TURN LEFT
R3-7R	30X30	6.25	2	12.50			10	RIGHT LANE MUST TURN RIGHT
R4-1	36X48	12.00	8	96.00			14	DO NOT PASS (SEE NOTE 8)
R4-2	36X48	12.00	8	96.00			15	PASS WITH CARE
R4-8a	36X48	12.00	4	48.00				KEEP LEFT (HORIZONTAL ARROW)
R4-7a	36X48	12.00	4	48.00				KEEP RIGHT (HORIZONTAL ARROW)
R5-1a	30X30	6.25						DO NOT ENTER
R5-1a	36X24	6.00						WRONG WAY
R6-1L	54X18	6.75						ONE WAY ARROW (LEFT)
R6-1R	54X18	6.75						ONE WAY ARROW (RIGHT)
R6-2L	24X30	5.00						ONE WAY (LEFT)
R6-2R	24X30	5.00						ONE WAY (RIGHT)
R9-9	24X12	2.00	50	100.00				SIDEWALK CLOSED
R9-11L	24X18	3.00	25	75.00				SIDEWALK CLOSED AHEAD, (ARROW LEFT) CROSS HERE
R9-11R	24X18	3.00	25	75.00				SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE
R10-6	24X36	6.00						STOP HERE ON RED (45- ARROW)
R11-2	48X30	10.00						ROAD CLOSED
R11-3a	60X30	12.50						ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY
R11 - 4	60X30	12.50						ROAD CLOSED TO THRU TRAFFIC
CONST-3A	60X48	20.00	40	800.00				FINE SIGN (SEE NOTE 8)
CONST-3X	56X12	4.67						SPEEDING/PASSING (PLATE)
MISCELLANEOUS SIGNS								
CONST-5	48X36	12.00	2	24.00			55	POINT OF PRESENCE
CONST-5	96X48	32.00						POINT OF PRESENCE
CONST-7	48X24	8.00	2	16.00			56	RATE OUR WORK ZONE
CONST-7	72X36	18.00						RATE OUR WORK ZONE
CONST-8	48X36	12.00	2	24.00			57	WORK ZONE NO PHONE ZONE
GO25-1	48X24	8.00	4	32.00				SLOW VEHICLES
GO22-3	48X24	8.00	4	32.00				WET PAINT KEEP RIGHT
GO22-4	48X24	8.00						END WET PAINT THANK YOU
WO9-1Ra	48X48	16.00						LANE ENDS MERGE LEFT
WO13-1	30X30	6.25	5	31.25			45	ON RAMP
W11-2	48X48	16.00	50	800.00				PEDESTRIAN
R9-10	24X18	3.00	25	75.00				SIDEWALK CLOSED, USE OTHER SIDE

616-10.05 CONSTRUCTION SIGNS	TOTAL	7572
616-10.10 RELOCATED SIGNS	TOTAL	0

NOTES:
1. ALL TEMPORARY TRAFFIC CONTROL ITEMS ARE INCLUDED IN PAY ITEM 616-99-01, TEMPORARY TRAFFIC CONTROL, LUMP SUM UNLESS NOTED OTHERWISE IN THE PLANS. THE QUANTTIES SHOWN ARE AN ESTIMATE ONLY AND ARE SUBJECT TO CHANGE BASED ON FIELD CONDITIONS.

ITEM NUMBER	TOTAL QTY	DESCRIPTION
6122008	2	IMPACT ATTENUATOR 40 MPH (SAND BARRELS)
6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)
6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)
6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)
6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)
6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)
6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)
6122020	8	REPLACEMENT SAND BARREL
6122030	2	IMPACT ATTENUATOR (RELOCATION)
6123000A		TRUCK OR TRAILER MOUNTED ATTENUATOR (TMA)
6161008	2	ADVANCED WARNING RAIL SYSTEM (SEE NOTE 7)
6161012		BUOYS (BOATS KEEP OUT)
6161013		BUOYS (NO WAKE)
6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)
6161025	110	CHANNELIZER (TRIM LINE)
6161030	17	TYPE III MOVEABLE BARRICADE
6161033		DIRECTION INDICATOR BARRICADE
6161040	6	FLASHING ARROW PANEL
6161047		TYPE III OBJECT MARKER
6161055		SEQUENTIAL FLASHING WARNING LIGHT
6161070		TUBULAR MARKER
6161095		RADAR SPEED ADVISORY SYSTEM
6161096		CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED
6161098A	4**	CHANGEABLE MESSAGE SIGN W/O COMM. INTERFACE - CONTRACTOR FURNISHED/RETAINED
6161099		CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE - CONTRACTOR FURNISHED/RETAINED
6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM
6162002		TEMPORARY LONG-TERM RUMBLE STRIPS
6173600D		TEMPORARY TRAFFIC BARRIER CONTRACTOR FURNISHED/RETAINED
6173602B		TEMPORARY TRAFFIC BARRIER CONTRACTOR FURNISHED/COMMISSION RETAINED
6174000A		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION
6175010A	320	RELOCATING TEMPORARY TRAFFIC BARRIER
6176000B		TEMPORARY TRAFFIC BARRIER COMMISSION FURNISHED/RETAINED
6177000B		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION COMMISSION FURNISHED/RETAINED
6208064A		TEMPORARY RAISED PAVEMENT MARKER
9029400		TEMPORARY TRAFFIC SIGNALS
9029401	1**	TEMPORARY TRAFFIC SIGNALS AND LIGHTING
6169903	320	TYPE F TEMPORARY CONCRETE TRAFFIC BARRIER (LF)
6161009	4	FLAG ASSEMBLY

6. SIGN AND DEVICE LOCATIONS WILL BE FIELD VERIFIED AND APPROVED BY THE ENGINEER
7. AWRS IS ONLY TO BE USED ON THE FIRST ROAD WORK AHEAD SIGN IN EACH DIRECTION.
8 CONST-3X IS TO BE USED ABOVE ALL R2-1 AND R4-1 DURING CONSTRUCTION.
** NOT INCLUDED IN LUMP SUM FOR TEMPORARY TRAFFIC CONTROL

LUMP SUM TEMPORARY TRAFFIC CONTROL	
TOTAL	1 LUMP SUM

2. TEMPORARY TRAFFIC CONTROL SHOULD FOLLOW MODOT/MUTCD STANDARDS.
3. NO DIRECT PAYMENT WILL BE MADE FOR RELOCATING SIGNS OR DEVICES.
4. NO DIRECT PAYMENT WILL BE MADE TO COVER/UNCOVER EXISTING SIGNS OR TCP SIGNS.
5. CMS LOCATIONS TO BE DETERMINED BY THE ENGINEER.

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/30/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED 7/30/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 3
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
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ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
REV.

SHEET 62 OF 62
QUANTITIES
ROUTE 366
WATSON ROAD

MO ROUTE 366 (WATSON ROAD)

ADA, SIGNAL, AND PAVEMENT IMPROVEMENTS
J0028 BRIDGE REPLACEMENT

MODOT JOB NO. J6S3582

GEYER ROAD TO CREIGHTON DRIVE

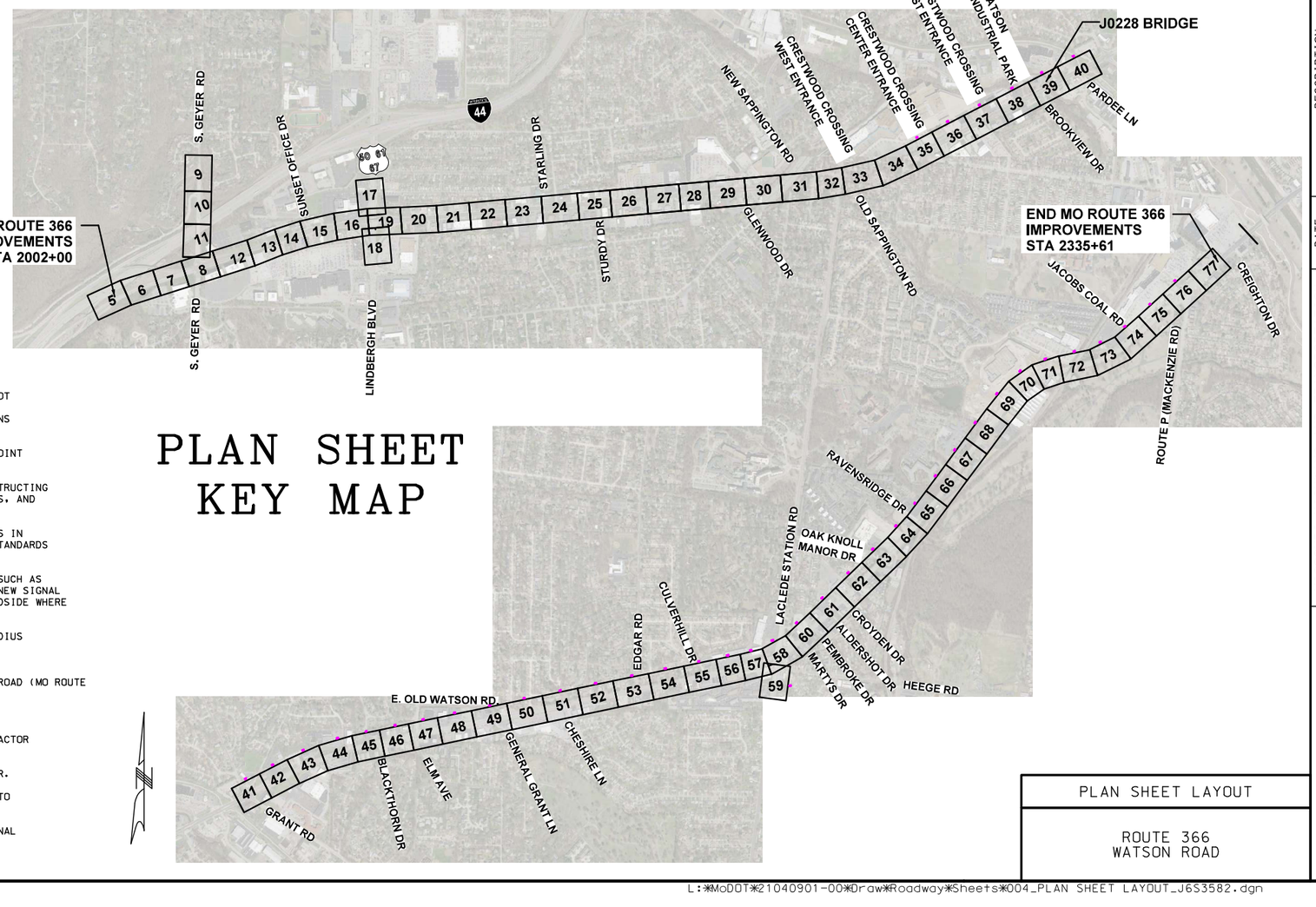
ST. LOUIS COUNTY, MISSOURI

MO 366 ALIGNMENT ——————

PLAN SHEET LOCATION [XX]

MO ROUTE 366 (WATSON ROAD) IMPROVEMENTS

NOT TO SCALE



PLAN SHEET KEY MAP

GENERAL PLAN SHEET NOTES

1. ANY WORK INDICATED ON THE PLANS THAT EXTENDS BEYOND THE PROJECT LIMITS IS CONSIDERED INCIDENTAL TO AND PART OF THE CONSTRUCTION OF THIS PROJECT.
2. THE BASIS OF BEARING IS U.S. STATE PLANE NAD83 ZONE 2401 (MISSOURI EAST). VERTICAL DATUM IS NAVD88.
3. RIGHT OF WAY LIMITS FOR THIS PROJECT EXTEND FROM STATION 2002+00.00 TO STATION 2334+96.81, MO ROUTE 366 (WATSON ROAD), A DISTANCE OF 6.27 MILES.
4. ALL STATION CALLOUTS ARE FROM THE CONSTRUCTION BASELINE FOR WATSON ROAD (ROUTE 366), UNLESS OTHERWISE NOTED.
5. SEE SIGNAL SHEETS FOR SIGNAL-RELATED REMOVALS.
6. SEE SIGNING SHEETS FOR SIGNING-RELATED REMOVALS.
7. SEE LIGHTING SHEETS FOR LIGHTING-RELATED REMOVALS.
8. UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEY AND RECORDS. THE COMMISSION DOES NOT WARRANT THE LOCATIONS OF THESE FACILITIES AS PRECISE. IT IS POSSIBLE THERE MAY BE OTHERS. THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXISTENCE AND PRECISE LOCATION OF ALL FACILITIES AND TO AVOID DAMAGE. SEE THE JOB SPECIAL PROVISIONS FOR A LIST OF UTILITY COMPANIES ON OR WITHIN THE VICINITY OF THE PROJECT LIMITS.
9. SEE GEOMETRIC SHEETS FOR INTERSECTION STATION TIES, CURVE DATA, ANGLES AND COORDINATE POINT INFORMATION.
10. CONTRACTOR SHALL REFERENCE AND FOLLOW THE MODOT ADA CHECKLIST WHEN LAYING OUT AND CONSTRUCTING CURB RAMPS, LANDINGS, SIDEWALK, PAVED APPROACH PATHWAYS/CONNECTIONS, PEDESTRIAN SIGNALS, AND ANY OTHER PEDESTRIAN ITEMS ON THIS PROJECT.
11. ALL ENTRANCES IN LOCATIONS OF SIDEWALK HAVE BEEN CHECKED FOR ADA COMPLIANCE. ENTRANCES IN THESE LOCATIONS WITH NO PROPOSED WORK WERE FIELD VERIFIED AND DETERMINED TO MEET ADA STANDARDS AT THE TIME OF THE FIELD VISIT.
12. THERE SHALL BE A MINIMUM OF 4 FOOT OF HORIZONTAL SIDEWALK CLEAR SPACE AROUND FEATURES SUCH AS EXISTING POWER POLES, EXISTING LIGHT POLES, EXISTING MAST ARMS, NEW SIGNAL MAST ARMS, NEW SIGNAL 8 FOOT TALL POSTS, AND ANY OTHER FEATURES THAT PROTRUDE ABOVE THE GROUND ALONG THE ROADSIDE WHERE THERE IS SIDEWALK.
13. RADII AT DRIVEWAY/STREET ENTRANCES SHALL MATCH EXISTING TO THE NEAREST FOOT, UNLESS RADIUS IMPROVEMENTS ARE SHOWN ON THE PLANS.
14. ALL DRIVEWAY AND STREET ALIGNMENTS ARE AT 90° TO THE CONSTRUCTION BASELINE FOR WATSON ROAD (MO ROUTE 366), UNLESS SHOWN OTHERWISE ON THE PLAN SHEETS.
15. CLEARING AND GRUBBING IS CONSIDERED INCIDENTAL TO OTHER ITEMS WITH NO DIRECT PAY.
16. NOT ALL EXISTING FEATURES/ITEMS HAVE PLAN CALLOUTS SUCH AS (UIP) AND (DND). THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER ON THE DIRECTION OF SUCH ITEMS.
17. THE MILL AND OVERLAY LIMITS SHOWN AT SIDE STREETS MAY BE FIELD ADJUSTED BY THE ENGINEER.
18. ALL EXISTING DRAINAGE STRUCTURES WITHIN THE MILL AND OVERLAY LIMITS SHALL BE ADJUSTED TO GRADE, IF NEEDED, AT THE DISCRETION OF THE MSD FIELD INSPECTOR.
19. CENTERLINE SHOWN IS A CONSTRUCTION BASELINE SPECIFIC TO THIS PROJECT AND NOT THE ORIGINAL LEGACY CENTERLINE.

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

09/06/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED	
9/5/2024	
MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	4
COUNTY	
ST. LOUIS	
JOB NO.	
J6S3582	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
CRAWFORD, MURPHY & TILLY, INC.
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ENGINEERING CORPORATION - 000631

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PLAN SHEET LAYOUT

ROUTE 366
WATSON ROAD

SCALE
0 20 40 60

PLAN SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. ROW)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY

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NOTE: CENTERLINE SHOWN IS A CONSTRUCTION CENTERLINE SPECIFIC TO THIS PROJECT & NOT THE ORIGINAL LEGACY CENTERLINE.

I-44

I-44 RAMP 2000

PC STA 2000+00.00

2001+00

CONST. ℄ RTE. 366

2002+00

2003+00

2004+00

MATCHL INE STA. 2004+00

STA 2002+00
BEGIN PROJECT
BEGIN MILL/OVERLAY

MILL/OVERLAY

SIGN

EXIST. GUARDRAIL (UIP)

TREES (DND)

EXIST. GUARDRAIL (UIP)

I-270 RAMP

26N630475
12605 ROTT RD
N/F
MERCY HEALTH
DB 20142, PG 1780
NO ACQUISITION

SHEET 1 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
07/29/2024 8:08:56 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	5

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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16305 Swingley Ridge Dr., Ste 300
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PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SCALE

0 20 40 60

PLAN SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. ROW)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY

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I-44

2005

MATCHLINE STA. 2004+00

2004+00

2005+00

CONST. ℄ RTE. 366

2006+00

2007+00
PT STA 2007+04.65

2008+00

2009+00

MATCHLINE STA. 2009+00

MILL/OVERLAY

TREES (DND)

EXIST. GUARDRAIL (UIP)

ROUTE 366 WATSON ROAD STA. 2006+60.44
BEGIN INSTALL 275' MGS GUARDRAIL
INSTALL HEIGHT AND BLOCK TRANSITION

26N630475
12605 ROTT RD
N/F
MERCY HEALTH
DB 20142, PG 1780
NO ACQUISITION

26N630486
3637 S GEYER RD
N/F
MERCY HEALTH
DB 20142, PG 1780
NO ACQUISITION

SHEET 2 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

07/29/2024 8:09:31 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	6

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

SCALE
0 20 40 60

DISCLAIMER
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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
07/29/2024 8:09:32 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	7

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MATCHLINE STA. 2009+00

2010

5

STA 2+10.00
BEGIN MILL/OVERLAY

PC STA 2+57.10

EXIST. GUARDRAIL (UIP)

2+00
3+00
4+00
5+00

℄ I-44 RAMP

EXIST. GUARDRAIL (UIP)

2009+00
2010+00
2011+00
2012+00
2013+00

EXIST. CANTILEVER SIGN (UIP)

EXIST. GUARDRAIL (UIP)

CONST. ℄ RTE. 366

MILL/OVERLAY

EXIST. GUARDRAIL (UIP)

EXIST. CANTILEVER SIGN (UIP)

ROUTE 366 WATSON ROAD STA. 2009+34.00
END INSTALL 275' MGS GUARDRAIL
INSTALL HEIGHT AND BLOCK TRANSITION

26N630486
3637 S GEYER RD
N/F
MERCY HEALTH
DB 20142, PG 1780
NO ACQUISITION

MATCHLINE STA. 2013+50

PLAN SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. ROW)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY

SHEET 3 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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Chesterfield, Missouri 63017
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GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

SCALE
0 20 40 60

MATCHLINE STA. 18+50

MATCHLINE STA. 2013+50

MATCHLINE STA. 2018+50

2015

S GEYER RD

19+00

EXIST. R/W

MSD# UNKNOWN (ATG)

NEW TYPE S CURB

EXIST. PULL BOX (UIP)

EXIST. PP (UIP)

EXIST. PP (UIP)

EXIST. GUY WIRE (UIP)

EXIST. PULL BOXES (R)

EXIST. ISLAND (R)

PROP. 6" RAISED ISLAND

EXIST. ISLAND (R)

PROP. 6" RAISED ISLAND

EXIST. SIGN TRUSS (R)

EXIST. PAVED DITCH (UIP)

NEW TYPE S CURB

EXIST. GUARDRAIL (UIP)

℄ I-44 RAMP

PT STA 6+94.03

6+00

2014+00

2015+00

2016+00

2017+00

2018+00

EXIST. PULL BOX (R)

SEE SIGNAL PLANS FOR SIGNAL RELATED ITEMS

CONST. ℄ RTE. 366

MILL/OVERLAY

71.2°

71.2°

POT STA 20+00.00

EXIST. MEDIAN (UIP)

EXIST. PULL BOX (R)

EXIST. ELECTRIC RISER (RELOC.)

EXIST. MEDIAN (UIP)

EXIST. TUBULAR MARKER (UIP) (TYP)

PROP. 6" RAISED ISLAND

EXIST. ISLAND (R)

EXIST. PULL BOX (R)

NEW TYPE S CURB

EXIST. PAVED DITCH (UIP)

NEW TYPE S CURB

PROP. 6" RAISED ISLAND

EXIST. ISLAND (R)

EXIST. TUBULAR MARKER (R&RELOC.) (TYP)

EXIST. LIGHT POLE (UIP)

EXIST. PULL BOX (UIP)

MSD# UNKNOWN (UIP)

21+00

EXIST.GUY WIRES (UIP)

EXIST. R/W

MSD# UNKNOWN (ATG)

EXIST. PP (UIP)

EXIST. GUY WIRES (UIP)

EXIST. ELECTRIC RISER (UIP)

EXIST. SIGN TRUSS (UIP)

EXIST. R/W

S GEYER RD

22+00

EXIST. R/W

STA 21+67 BEGIN MILL/OVERLAY

25N320021
10877 WATSON RD
N/F
WILLIAMS JAMES A
REVOCABLE LIVING TRUST
DB 23504, PG 3943
NO ACQUISITION

25N320164
3636 S GEYER RD
N/F
ASSESSOR UPDATE PENDING
DB 22548, PG 3427
NO ACQUISITION

26N630486
3637 S GEYER RD
N/F
MERCY HEALTH
DB 20142, PG 1780
NO ACQUISITION

PLAN SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. ROW)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY

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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
07/29/2024 8:09:33 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED 7/26/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 8
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr, Ste 300
Chesterfield, Missouri 63017
636.240.2444
www.gbateam.com
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SHEET 4 OF 73
PLAN SHEET
ROUTE 366
WATSON ROAD

REV.

SCALE
0 20 40 60

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EXIST. POST (UIP)
EXIST. PULL BOX (UIP)
EXIST. POWER POLE (UIP)
4+00
5+00
℄ S. GEYER RD.
6+00
7+00
MILL/OVERLAY
8+00
MATCHLINE STA. 8+50
STA 4+20 BEGIN MILL/OVERLAY
EXIST. POWER POLE (UIP)
EXIST. GUY WIRES (UIP)
EXIST. GAS VALVE (UIP)
EXIST. WATER VALVES (UIP)
BALMAGOUN LN
GEYER ROAD STA. 6+50 RT
BEGIN INSTALL 350' MGS GUARDRAIL
REMOVE & INSTALL TYPE A CRASHWORTHY END TERMINAL
(REGULAR / NO CURB)
EXIST. GUARDRAIL (R)

PLAN SHEET LEGEND
- EXISTING RIGHT-OF-WAY (EXIST. ROW)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY

SHEET 5 OF 73

PLAN SHEET

ROUTE 366
SOUTH GEYER ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
07/29/2024 8:09:34 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	9

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

REV.	DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SCALE
0 20 40 60

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MATCHLINE STA. 8+50

MATCHLINE STA. 13+50

10

I-44

MSD# 25N3-028D (UIP)

EXIST. GUARDRAIL (UIP)

℄ S. GEYER RD.

9+00 10+00 11+00 12+00 13+00

MILL/OVERLAY

STA 11+79
END MILL/OVERLAY

POT STA 5+00.00

82.5°

CRAGWOLD RD

PT STA 4+15.30

4+00

EXIST. GUARDRAIL (UIP)

MSD# 25N3-027D (UIP)

END INSTALL 350' MGS GUARDRAIL REMOVE & INSTALL TYPE A CRASHWORTHY END TERMINAL (REGULAR / NO CURB)

EXIST. GUARDRAIL (R)

PC STA 3+01.62

3+00

POT STA 2+37.62

PLAN SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. ROW)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY

SHEET 6 OF 73

PLAN SHEET

ROUTE 366
SOUTH GEYER ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
07/29/2024 8:09:34 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	10

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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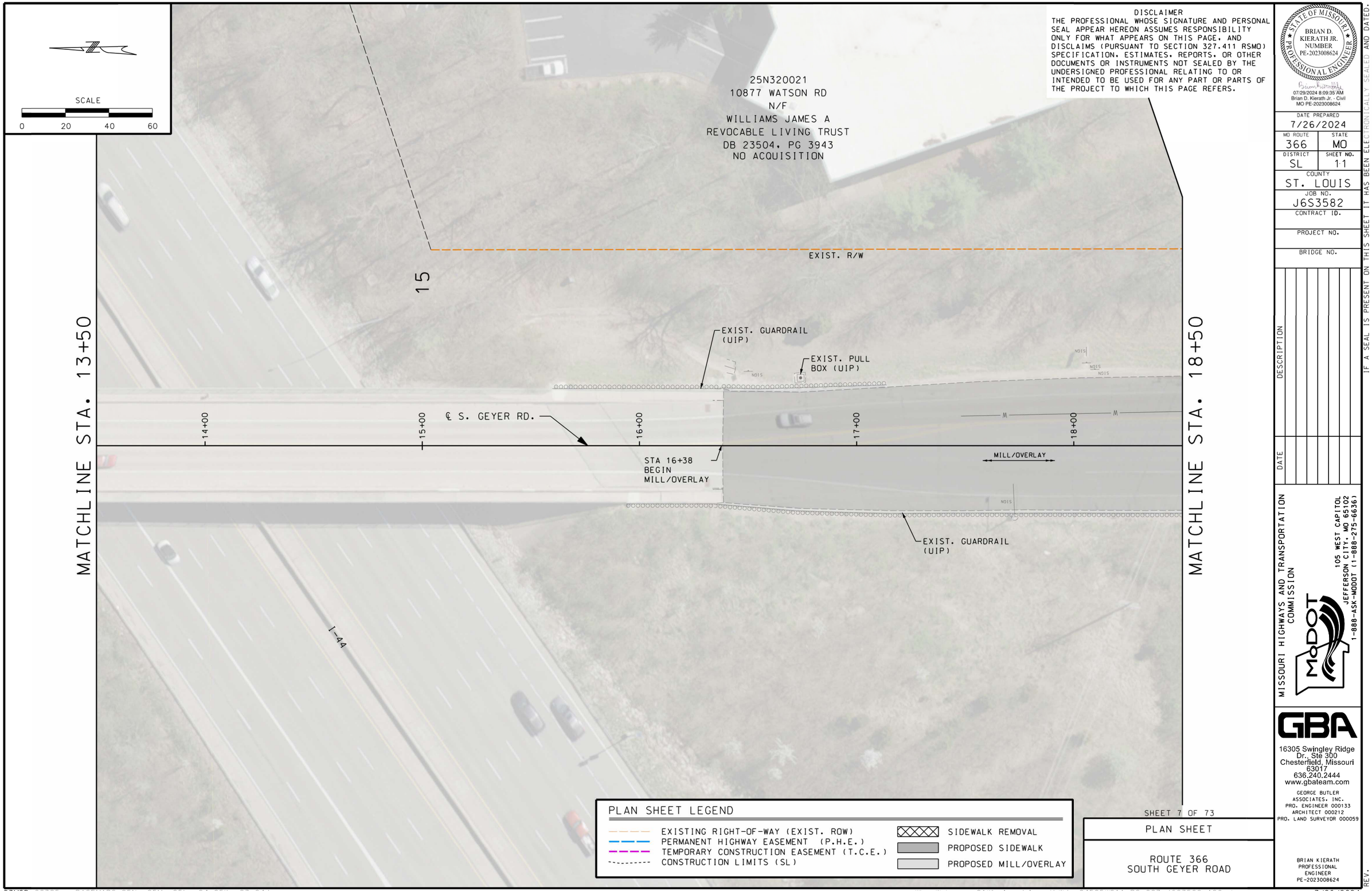
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.



SHEET 7 OF 73

PLAN SHEET

ROUTE 366
SOUTH GEYER ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
07/29/2024 8:09:35 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	1.1

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

SCALE
0 20 40 60

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MATCHLINE STA. 2018+50

MATCHLINE STA. 2024+00

25N320021
10877 WATSON RD
N/F
WILLIAMS JAMES A
REVOCABLE LIVING TRUST
DB 23504, PG 3943
NO ACQUISITION

25N320032
10825 WATSON RD
N/F
10825 WATSON ROAD LLC
DB 20402, PG 947
NO ACQUISITION

2020

TREES (DND)
EXIST. R/W
EXIST. HYDRANT (UIP)
EXIST. PP (UIP)
EXIST. PAVED DITCH (UIP)
EXIST. WATER VALVE (UIP)
EXIST. PULL BOX (UIP)
EXIST. LIGHT POLE (UIP)
EXIST. GUY WIRE (UIP)
EXIST. GAS VALVE (UIP)
TREE (DND)
2019+00
2020+00
2021+00
2022+00
2023+00
2024+00
MILL/OVERLAY
CONST. ℄ RTE. 366
EXIST. MEDIAN (UIP)
EXIST. TUBULAR MARKER (UIP) (TYP)
EXIST. LANDSCAPING (UIP)
EXIST. TUBULAR MARKER (UIP)
TREES (DND)
EXIST. R/W
+43.60 54.00 RT
5' SIDEWALK (TYP.)
+53.60 58.44 RT
+53.60 67.54 RT
+43.60 67.54 RT
T.C.E. (TYP.)
EXIST. GUY WIRE (UIP)

2
25M110212
10760 SUNSET HILLS PLZ
N/F
SUNSET HILLS OWNER LLC
DB 21768, PG 2562
3084 SF P.H.E.
5029 SF T.C.E.

25N320164
3636 S GEYER RD
N/F
ASSESSOR UPDATE PENDING
DB 22548, PG 3427
NO ACQUISITION

25N320153
3630 S GEYER RD
N/F
ASSESSOR UPDATE PENDING
DB 22548, PG 3420
NO ACQUISITION

PLAN SHEET LEGEND
- EXISTING RIGHT-OF-WAY (EXIST. ROW)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY

SHEET 8 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
07/29/2024 8:09:35 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	12

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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Chesterfield, Missouri 63017
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GEORGE BUTLER ASSOCIATES, INC.
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ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

SCALE
0 20 40 60

25N320032
10825 WATSON RD
N/F
10825 WATSON
ROAD LLC
DB 20402, PG 947
NO ACQUISITION

25M110032
10795 WATSON RD
N/F
SWANK FAMILY REAL ESTATE LLC
DB 17630, PG 918
NO ACQUISITION

ROADWAY ESMT (50'W)
PB 158 PG 18

EXIST. R/W

DRWY
STA. 2026+57 LT.
NO IMPROVEMENTS

EXIST. HYDRANT (UIP)

EXIST. MEDIAN (UIP)

TREE (UIP)

TREES (UIP)

EXIST. PP (UIP)

EXIST. WATER VALVE (UIP)

EXIST. CURB (UIP)

2025

MATCHL INE STA. 2024+00

MATCHL INE STA. 2028+50

CONST. ℄ RTE. 366

2024+00 2025+00 2026+00 2027+00 2028+00

90°

MILL/OVERLAY

+50.00 48.00 RT
+75.00 48.00 RT
+84.00 52.50 RT
+94.84 52.50 RT
+29.20 44.00 RT
+50.14 53.00 RT
+73.82 53.00 RT
+82.82 57.50 RT
+95.45 57.50 RT
+29.81 49.00 RT

TREE (DND)

5' SIDEWALK (TYP.)

T.C.E. (TYP.)

EXIST. GUY WIRE (UIP)

EXIST. WATER METER (UIP)

EXIST. PULL BOX (UIP)

EXIST. WATER VALVE (UIP)

TREES (DND)

EXIST. WATER METER (UIP)

2
25M110212
10760 SUNSET HILLS PLZ
N/F
SUNSET HILLS OWNER LLC
DB 21768, PG 2562
SEE SHEET 12

PLAN SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. ROW)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY

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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
07/29/2024 8:09:36 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	13

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr., Ste 300
Chesterfield, Missouri 63017
636.240.2444
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GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

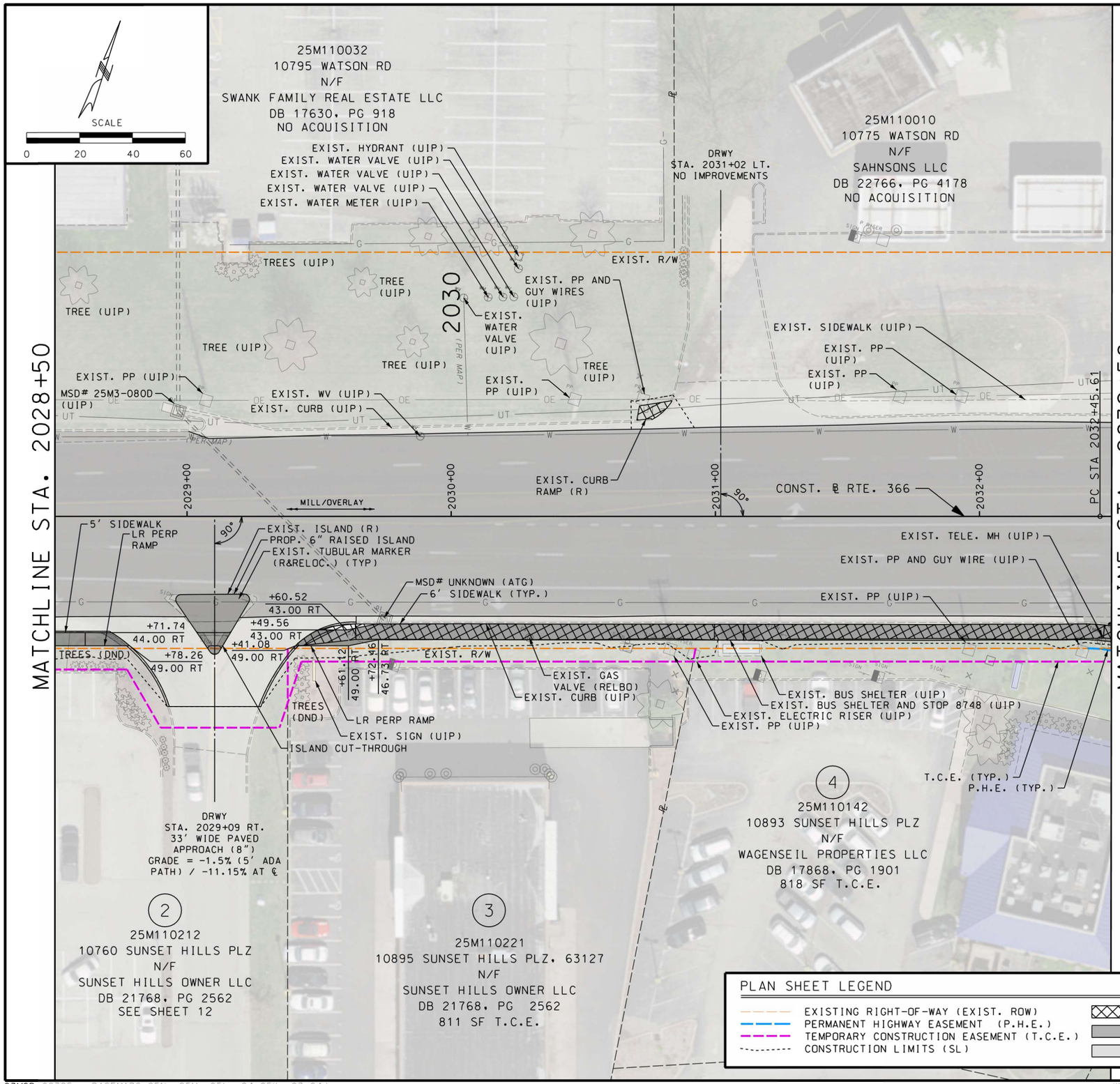
BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SHEET 9 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

REV.



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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

07/29/2024 8:09:37 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	1-4

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SHEET 10 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

REV.

SCALE
0 20 40 60

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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
07/29/2024 8:09:38 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED 7/26/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 15
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SHEET 11 OF 73
PLAN SHEET
ROUTE 366
WATSON ROAD

REV.

MATCHLINE STA. 2032+50

SUNSET OFFICE DR

EXIST. HYDRANT (UIP)
SR PERP RAMP
EXIST. GUY WIRES (UIP)
EXIST. PP (UIP)
EXIST. MEDIAN (MODIFY)
EXIST. TELE. MH (UIP)
5' SIDEWALK
6' SIDEWALK
TREES (DND)
4+00
ISLAND CUT-THROUGH
+06.85 62.65 LT
+19.04 62.58 LT
+15.73 57.58 LT
+09.03 57.63 LT
EXIST. PULL BOX (R)
EXIST. WATER VALVE (UIP)
+90.46 40.78 LT
+86.16 45.69 LT
EXIST. CURB (UIP)
MILL/OVERLAY
SEE SIGNAL PLANS FOR SIGNAL RELATED ITEMS
EXIST. GAS VALVE (UIP)
LOC. TAN.
87.9°
2033+00
2034+00
EXIST. PULL BOX (R)
EXIST. ISLAND (R)
90°
POT STA 5+00.00
PROP. 6" RAISED ISLAND
EXIST. TUBULAR MARKER (R&RELOC.) (TYP)
EXIST. STORM MH (ATG)
EXIST. TUBULAR MARKER (UIP)
MSD# UNKNOWN (ATG)
6' SIDEWALK (TYP.)
EXIST. PULL BOX (UIP)
EXIST. MEDIAN (UIP)
EXIST. SIGN (UIP)
2035+00
2036+00
2037+00
EXIST. CURB (UIP)
+89.13 60.22 RT
+92.70 63.49 RT
P.H.E. (TYP.)
EXIST. TUBULAR MARKER (R&RELOC.) (TYP)
T1 PAR RAMP
EXIST. R/W
ISLAND CUT-THROUGH
+11.09 53.53 RT
+08.75 55.72 RT
+15.74 49.93 RT
EXIST. MEDIAN (UIP)
6+00
TREES (DND)
EXIST. ISLAND (R)
EXIST. PP (UIP)
EXIST. PULL BOX (R)
EXIST. LANDSCAPING (UIP)
T1 PAR RAMP
TREES (DND)
EXIST. PP (UIP)
TREES (DND)
EXIST. WATER METER (UIP)
EXIST. WATER VALVE (UIP)
TREES (DND)
EXIST. TELE. RISER (UIP)
DUAL PERP RAMP
+07.50 58.46 LT
+90.67 63.08 LT
+93.74 58.14 LT
+00.74 50.55 LT
+05.10 47.45 LT
+50.57 64.90 LT
5' SIDEWALK (TYP.)
+50.16 59.88 LT
+01.97 49.22 LT
EXIST. STORM MH (ATG)
EXIST. CURB (UIP)
EXIST. PULL BOX (R)
EXIST. R/W
2035
MSD# UNKNOWN (UIP)
SR PERP RAMP
+02.44 54.22 LT
TREES (DND)
DRWY STA. 2035+59 LT. 38' WIDE PAVED APPROACH (8") GRADE = 1.5% (5' ADA PATH) / 1.5% AT ℄
EXIST. LIGHT POLE (UIP)
+40.65 54.23 LT
+40.19 49.23 LT
+83.07 49.23 LT
SR PERP RAMP
+79.68 54.23 LT
+91.90 54.24 LT
EXIST. R/W
+32.91 49.24 LT
+11.82 54.40 LT
EXIST. GUY WIRE (UIP)
EXIST. PP (UIP)
+11.32 59.22 LT
MSD# UNKNOWN (RELOC.)
EXIST. CURB (UIP)
℄ US 50 RAMP
EXIST. R/W
TREES (R)
EXIST. HYDRANT (UIP)
EXIST. PP (UIP)
EXIST. WATER VALVE (UIP)
(PER MAP)
CONST. ℄ RTE. 366
MSD# UNKNOWN (ATG)
EXIST. CURB (UIP)
EXIST. GAS VALVE (RELBO)
EXIST. GUY WIRES (RELOC.)
EXIST. PP (UIP)
+02.01 52.45 RT
EXIST. PP (UIP)
+76.85 47.63 RT
+12.20 52.34 RT
+35.75 47.31 RT
+82.93 47.82 RT
+08.35 52.89 RT
+18.54 52.87 RT
+43.63 47.70 RT
TREES (DND)
TREES (DND)
TREES (DND)
EXIST. 10'W SWBT ESMT PB 349, PG 46
T.C.E. (TYP.)
EXIST. PERM DRAIN ESMT CAUSE 450739
APPROX EAST LINE FRACTIONAL SECTION 13
APPROX WEST LINE US SURVEY 2453
MATCHLINE STA. 2037+50

SUNSET HILLS PLAZA

4
25M110142
10893 SUNSET HILLS PLZ
N/F
WAGENSEIL PROPERTIES LLC
DB 17868, PG 1901
SEE SHEET 14

2
25M110212
10760 SUNSET HILLS PLZ
N/F
SUNSET HILLS OWNER LLC
DB 21768, PG 2562
SEE SHEET 12

5
25M110252
10797 SUNSET HILLS PLZ
N/F
SUNSET HILLS OWNER LLC
DB 21768, PG 2562
123 SF P.H.E.
772 SF T.C.E.

7
25M110274
10765 SUNSET HILLS PLZ
N/F
SUNSET HILLS OWNER LLC
DB 21768, PG 2562
186 SF P.H.E.
768 SF T.C.E.

25M110043
10743 WATSON RD
N/F
SIYA 0806 LLC
DB 25048, PG 2483
NO ACQUISITION

6
25M130508
10705 WATSON RD
N/F
ROUTE 66 HOSPITALITY LLC
DB 20298, PG 3086
1711 SF T.C.E.

PLAN SHEET LEGEND
EXISTING RIGHT-OF-WAY (EXIST. ROW)
PERMANENT HIGHWAY EASEMENT (P.H.E.)
TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
CONSTRUCTION LIMITS (SL)
SIDEWALK REMOVAL
PROPOSED SIDEWALK
PROPOSED MILL/OVERLAY

SCALE
0 20 40 60

SIGNAL IMPROVEMENTS AT THIS INTERSECTION WILL BE COORDINATED FOR CONSISTENCY WITH THE SB LINDBERGH SIGNAL ONCE THE BASS PRO DEVELOPMENT'S DESIGN IS APPROVED BY MODOT.

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*SIDEWALK TO BE PLACE ON TOP OF EXIST. WALL FOOTING. DO NOT DISTURB EXISTING FOOTING. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXIST. WALL

(6)
25M130508
10705 WATSON RD
N/F
ROUTE 66 HOSPITALITY LLC
DB 20298, PG 3086
SEE SHEET 15

(7)
25M110274
10765 SUNSET HILLS PLZ
N/F
SUNSET HILLS OWNER LLC
DB 21768, PG 2562
SEE SHEET 15

25M120691
10738 SUNSET HILLS PLZ
N/F
SUNSET HILLS OWNER LLC
DB 21768, PG 2562
NO ACQUISITION

MATCHLINE STA. 504+70
MATCHLINE STA. 2037+50
MATCHLINE STA. 2042+50
MATCHLINE STA. 603+00

DRWY STA. 2037+99 LT. 34' WIDE PAVED APPROACH (8") GRADE = 1.5% (5' ADA PATH) / 1.5% AT ℄

MSD# UNKNOWN (ATG)
4' SIDEWALK
VARIABLE DEPTH ALONG RETAINING WALL*
EXIST. WALL (UIP)
EXIST. GUARDRAIL (UIP)
EXIST. PP (UIP)
NEW INTEGRAL CURB (6 IN. HEIGHT AND OVER) TYPE A
6' SIDEWALK (TYP.)
EXIST. LIGHT POLE (UIP)
NEW TYPE B CURB AND GUTTER
NEW TYPE B CURB AND GUTTER VARIABLE HEIGHT
℄ WB RTE. 366 ON RAMP
NEW TYPE B CURB AND GUTTER
SR PERP RAMP
SR PERP RAMP
EXIST. PP (UIP)
EXIST. GUY WIRE (UIP)
EXIST. GUY WIRE (UIP)
EXIST. GUY WIRE (UIP)
EXIST. PP (UIP)
EXIST. HYDRANT (UIP)
EX. CI TO MH 1
EXIST. STORM MH (ATG)
MSD# UNKNOWN (CONVERT INLET TO MH)
EXIST. PP (UIP)
EXIST. SIGN (R)
TREES (DND)
TREES (DND)
TREES (DND)
TREES (DND)
EXIST. PP (UIP)
T1 PAR RAMP
EXIST. ISLAND (R)
5' SIDEWALK (TYP.)
12" PIPE
GI 2
EXIST. WATER VALVE (ATG)
EXIST. GAS VALVE (UIP)
EXIST. MEDIAN (MODIFY)
EXIST. STORM MH (ATG)
SEE SIGNAL PLANS FOR SIGNAL RELATED ITEMS
PT STA 505+94.89
POT STA 506+50.00
EXIST. MEDIAN (UIP)
STA 2042+45 END MILL/OVERLAY
PT STA 2038+82.74
PC STA 600+00.00
MILL/OVERLAY
CONST. ℄ RTE. 366
℄ EB RTE. 366 OFF RAMP
ISLAND CUT-THROUGH
EXIST. PULL BOX (R)
ISLAND CUT-THROUGH
EXIST. PULL BOX (UIP)
EXIST. GUY WIRE (UIP)
EXIST. GUY WIRES (UIP)
EXIST. LIGHT POLE (RELOC.)
P.H.E. (TYP.)
EXIST. GAS VALVE (UIP)
EXIST. ISLAND (MODIFY)
EXIST. TUBULAR MARKER (UIP) (TYP)
EXIST. STORM MH (ATG)
EXIST. TELE. MH (UIP)
EXIST. GUARDRAIL (UIP)
TREE (DND)
EXIST. PULL BOX (R
EXIST. R/W
EXIST. PP (UIP)
T.C.E. (TYP.)
EXIST. GAS VALVE (RELBO)
EXIST. HYDRANT (UIP)
EXIST. LIGHT POLE (UIP)
EXIST. TUBULAR MARKER(UIP)
EXIST. PP (UIP)
EXIST. GUY WIRE (UIP)
EXIST. GUY WIRE (UIP)
EXIST. 5'x10' UNION ELEC. CO. DB 7544, PG 141
EXIST. PERM DRAIN ESMT CAUSE 450739
EXIST. 10'W SWBT ESMT PB 349, PG 46
TREE (DND)
EXIST. LIGHT POLE (UIP)
TREE (DND)
NEW TYPE B CURB AND GUTTER
T1 PAR RAMP
EX 10'W SWBT ESMT PB 349, PG 46
EXIST. CURB (UIP)
EXIST. PULL BOX (UIP)
EXIST. R/W
6' SIDEWALK (TYP.)
TREE (DND)
+80.73 59.12 LT
+15.59 59.08 LT
+15.43 54.08 LT
+25.39 59.08 LT
+77.77 54.13 LT
+20.34 54.08 LT
+29.99
+56.78
+67.20
+88.66
+75.46 47.11 LT
+70.48 43.07 LT
+51.07
+95.00
+40.00
+15.00
+05.12
+75.00
+63.00
+06.91
+05.31 3.45 RT
+11.36 3.40 RT
R 395'
R 44'
R 36'
R 16'
PC STA 505+57.78
S 5° 04' 19" E
90°
2038+00
2039+00
2040+00
2041+00
2042+00

PLAN SHEET LEGEND
- EXISTING RIGHT-OF-WAY (EXIST. ROW)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

BRIAN D. KIERATH JR. NUMBER PE-2023008624
STATE OF MISSOURI PROFESSIONAL ENGINEER
09/05/2024 6:45:56 PM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED 7/26/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 16
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr., Ste 300
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PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SHEET 12 OF 73
PLAN SHEET
ROUTE 366
WATSON ROAD

REV.

SCALE
0 20 40 60

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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
07/29/2024 8:09:40 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED 7/26/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 17
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

6
25M130508
10705 WATSON RD
N/F
ROUTE 66 HOSPITALITY LLC
DB 20298, PG 3086
SEE SHEET 15

8
25M141544
1580 S KIRKWOOD RD
N/F
NISMARK LLC
DB 11967, PG 45
760 SF T.C.E.

9
25M141553
10575 WATSON RD
N/F
NATIONAL RETAIL PROPERTIES L P
DB 17448, PG 4821
229 SF P.H.E.
1084 SF T.C.E.

MSD# UNKNOWN (UIP)
EXIST. PULL BOX (UIP)
PT STA 706+92.79
PC STA 501+98.73
STA 706+48
END MILL/OVERLAY
EXIST. R/W
22' W. PERMANENT INGRESS/EGRESS ESMT. BK 7246, PG 651
22' W. PERMANENT INGRESS/EGRESS ESMT. BK 7246, PG 651
T.C.E. (TYP.)
℄ WB RTE. 366 OFF RAMP
STA 705+86
END MILL/OVERLAY
℄ WB RTE. 366 ON RAMP
EXIST. PARKING ESMT. BK 12325, PG 1815
EXIST. GUY WIRES (RELOC.)
MSD# UNKNOWN (ATG)
MSD# UNKNOWN (ATG)
STA 503+24.40
BEGIN MILL/OVERLAY
+24.40
4' SIDEWALK
EXIST. GUARDRAIL (UIP)
MSD# UNKNOWN (ATG)
EXIST. WALL (UIP)
+65.00
NEW TYPE B CURB & GUTTER
6' SIDEWALK (TYP.)
+05.00
R 395'
+49.00
PT STA 504+54.69
EXIST. CURB (UIP)
US 50
705
EXIST. CURB (UIP)
+05.00
NEW INTEGRAL CURB (6 IN. HEIGHT AND UNDER) TYPE A
6' SIDEWALK (TYP.)
+60.00
TREES (DND)
MSD# UNKNOWN (ATG)
MATCHLINE STA. 504+70
MATCHLINE STA. 704+00

PLAN SHEET LEGEND
- EXISTING RIGHT-OF-WAY (EXIST. ROW)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY

SHEET 13 OF 73
PLAN SHEET
ROUTE 366
WATSON ROAD

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059
BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

SCALE
0 20 40 60

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MATCHLINE STA. 603+00

MATCHLINE STA. 805+00

US-50 SIGNALS, PEDESTRIAN SIGNALS, AND PEDESTRIAN FACILITIES AT RTE. 366 ARE TO BE REPLACED WITH THIS PROJECT.

EXIST. CURB (UIP)

℄ EB RTE. 366 OFF RAMP

EX 10'W SWBT ESMT PB 349, PG 46

MSD# UNKNOWN (ATG)

6' SIDEWALK (TYP.)

MSD# UNKNOWN (UIP)

EXIST. PULL BOX (UIP)

EX 16.5'W SWBT ESMT PB 349, PG 46

EXIST. R/W

PT STA 606+10.10

STA 604+99.92 END MILL/OVERLAY

EXIST. TUBULAR MARKER (UIP)

MSD# 25M4-201D (ATG)

STA 801+96.38 BEGIN MILL/OVERLAY

US 50

605

808

PC STA 804+96.66

EXIST. CURB (UIP)

PT STA 803+94.58

℄ EB RTE. 366 ON RAMP

EXIST. CURB (UIP)

MSD# 25M4-202D (ATG)

SIGNAL IMPROVEMENTS AT THIS INTERSECTION WILL BASED ON TYING INTO THE ADJACENT BASS PRO DEVELOPMENT, WHICH IS CURRENTLY FINALIZING THEIR PLANS WITH MODOT.

25M120763
3600 S LINDBERGH BLVD
N/F
SUNSET HILLS OWNER LLC
DB 21768, PG 2562
NO ACQUISITION

25M120691
10738 SUNSET HILLS PLZ
N/F
SUNSET HILLS OWNER LLC
DB 21768, PG 2562
NO ACQUISITION

MSD# 25M4-198D (UIP)

EX 20'W DRAINAGE ESMT TO STATE OF MO DB 7344, PG 2488 12.30

EXIST. R/W

PLAN SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. ROW)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY

SHEET 14 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
07/29/2024 8:09:41 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	18

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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Chesterfield, Missouri 63017
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www.gbateam.com
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PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

SCALE
0 20 40 60

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MATCHLINE STA. 704+00

MATCHLINE STA. 2042+50

MATCHLINE STA. 2047+50

MATCHLINE STA. 805+00

EXIST. PARKING ESMT. BK 7246, PG 651

9
25M141553
10575 WATSON RD
N/F
NATIONAL RETAIL PROPERTIES L P
DB 17448, PG 4821
SEE SHEET 17

EXIST. R/W

6' SIDEWALK (TYP.)

EXIST. CURB (UIP)

T1 PAR RAMP

NEW TYPE B CURB AND GUTTER

EXIST. HYDRANT (UIP)

EXIST. LIGHT POLE (UIP)

TREES (DND)

TREES (DND) T.C.E. (TYP.)

MSD# UNKNOWN (ATG)

+67.26

+93.20

+83.03

00.00 LT

+78.08

00.14 LT

ISLAND CUT-THROUGH

℄ WB RTE. 366 OFF RAMP

EXIST. STORM MH (ATG)

EXIST. TUBULAR MARKERS (UIP) (TYP)

ISLAND CUT-THROUGH

EXIST. ISLAND (MODIFY)

EXIST. MEDIAN (MODIFY)

MILL/OVERLAY

CONST. ℄ RTE. 366

PC STA 701+83.61

PCC STA 806+99.8047+00

+93.78

45.08 LT

+98.21

43.93 LT

EXIST. SIGN (UIP)

EXIST. MEDIAN (UIP)

EXIST. PULL BOX (R)

EXIST. STORM MH (ATG)

STA 2044+00 BEGIN MILL/OVERLAY

EXIST. PP (UIP)

EXIST. CURB (UIP)

℄ EB RTE. 366 ON RAMP

T1 PAR RAMP

TREES (DND)

EXIST. SIGN (RBO)

EXIST. CURB (UIP)

EXIST. R/W

25M120763
3600 S LINDBERGH BLVD
N/F
SUNSET HILLS OWNER LLC
DB 21768, PG 2562
NO ACQUISITION

SIGNAL IMPROVEMENTS AT THIS INTERSECTION WILL BASED ON TYING INTO THE ADJACENT BASS PRO DEVELOPMENT, WHICH IS CURRENTLY FINALIZING THEIR PLANS WITH MODOT.

SEE SIGNAL PLANS FOR SIGNAL RELATED ITEMS

US-50 SIGNALS, PEDESTRIAN SIGNALS, AND PEDESTRIAN FACILITIES AT RTE. 366 ARE TO BE REPLACED WITH THIS PROJECT.

US 50

2045

2043+00

2044+00

2045+00

2046+00

PLAN SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. ROW)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY

SHEET 15 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
07/29/2024 8:09:41 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	19

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr., Ste 300
Chesterfield, Missouri 63017
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www.gbateam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

SCALE
0 20 40 60

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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
07/29/2024 8:09:42 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	20

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION | DATE | REV.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr. Ste 300
Chesterfield, Missouri 63017
636.240.2444
www.gbateam.com
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

MATCHLINE STA. 2047+50

MATCHLINE STA. 2053+00

9
25M141553
10575 WATSON RD
N/F
NATIONAL RETAIL PROPERTIES L P
DB 17448, PG 4821
SEE SHEET 17

11
25M141272
10501 WATSON RD
N/F
REGIONS BANK
DB 19307, PG 929
452 SF T.C.E.

12
25M232143
10415 WATSON RD
N/F
GOFF MOLL LLC
DB 12658, PG 23
1200 SF T.C.E.

25M141452
10425 WATSON RD
N/F
TREPPLER JOHN M & JANE K JOINT REVOCABLE
DB 23758, PG 3039
NO ACQUISITION

10
25M120163
10542 WATSON RD
N/F
MIDAS REALTY CORP A CORP
DB 6354, PG 362
277 SF T.C.E.

25M120763
3600 S LINDBERGH BLVD
N/F
SUNSET HILLS OWNER LLC
DB 21768, PG 2562
NO ACQUISITION

25M120251
10500 WATSON RD
N/F
WANG LOUIS C HELEN H/W
DB 7974, PG 1006
NO ACQUISITION

25M210963
10416 WATSON RD
N/F
J & F DEVELOPMENT CO L LC
DB 11042, PG 1770
NO ACQUISITION

EXIST. CURB (UIP)
MSD# 25M4-094S (ATG)
EXIST. PP (UIP)
MSD# UNKNOWN (ATG)
T.C.E. (TYP.)
P.H.E. (TYP.)
EXIST. LIGHT POLE (UIP)
EXIST. 10'W LACLEDE GAS CO ESMT BK 5697, PG 254
EXIST. 15'W ST. LOUIS CO WATER CO ESMT BK 8726, PG 1941
EXIST. SIGNS (UIP)
6' SIDEWALK (TYP.)
EXIST. GAS VALVE (UIP)
DRWY STA. 2048+51 LT. 31' WIDE PAVED APPROACH (8") GRADE = 1.5% (6.5' ADA PATH) / 7.24% AT ℄
DRWY STA. 2049+54 LT. 20' WIDE PAVED APPROACH (8") GRADE = 1.5% (5.5' ADA PATH) / 4.09% AT ℄
LR PERP RAMP
SR PERP RAMP
EXIST. PP (UIP)
NEW 8'X7' BUS PAD STOP 8740
EXIST. PP (UIP)
EXIST. SAN MH (UIP)
MSD# 25M4-092D (ATG)
DRWY STA. 2051+01 LT. NO IMPROVEMENTS
DRWY STA. 2051+90 LT. 41' WIDE PAVED APPROACH (8") GRADE = 1.5% (6.5' ADA PATH) / 5.32% AT ℄
DRWY STA. 2052+75 LT. 29' WIDE PAVED APPROACH (8") GRADE = 1.5% (6.5' ADA PATH) / 10.32% AT ℄
EXIST. PP (UIP)
EXIST. R/W
EXIST. STORM MH (UIP)
EXIST. GAS VALVE (UIP)
SR PERP RAMP
LR PERP RAMP
℄ US 50 RAMP
MSD# 25M4-095S (ATG)
EXIST. STORM MH (ATG)
MSD# 25M4-0230D (ATG)
MSD# 25M4-0228D (ATG)
MSD# 25M4-0227D (ATG)
MILL/OVERLAY
EXIST. SIDEWALK(UIP)
CONST. ℄ RTE. 366
EXIST. SIDEWALK (UIP)
EXIST. PP (UIP)
EXIST. MEDIAN (MODIFY)
MSD# UNKNOWN (ATG)
EXIST. PP (UIP)
MSD# UNKNOWN (ATG)
EXIST. SIGN (UIP)
EXIST. CURB (UIP)
EXIST. GAS VALVE (UIP)
EXIST. GUY WIRE (UIP)
NEW 8'X7' BUS PAD AND STOP
EXIST. PP (UIP)
EXIST. PP (UIP)
EXIST. WATER VALVE (UIP)
LR PERP RAMP
EXIST. LANDSCAPING (UIP)
EXIST. SAN. MH (UIP)
NEW TYPE B CURB AND GUTTER
MSD# 25M4-093D (UIP)
SR PERP RAMP
MSD# UNKNOWN (ATG)
EXIST. STORM MH (ATG)
TREES (DND)
EXIST. PP (UIP)
EXIST. LANDSCAPING (UIP)
EXIST. GAS VALVE (UIP)
TREES (DND)
EXIST. LANDSCAPING (UIP)
EXIST. PP (UIP)
EXIST. GUY WIRE (UIP)
EXIST. LIGHT POLE (UIP)
EXIST. WALL (UIP)
EXIST. GAS VALVE (UIP)
EXIST. STORM MH (DND)
MSD# 25M4-093S (ATG)
DRWY STA. 2048+06 RT. NO IMPROVEMENTS
DRWY STA. 2049+06 RT. 53' WIDE PAVED APPROACH (8") GRADE = 1.5% (6.5' ADA PATH) / -2.48% AT ℄
DRWY STA. 2049+67 RT. NO IMPROVEMENTS
DRWY STA. 2051+00 RT. NO IMPROVEMENTS
DRWY STA. 2051+64 RT. NO IMPROVEMENTS
DRWY STA. 2052+98.06 RT. NO IMPROVEMENTS
EX 6'W UE ESMT PB 345, PG 258
IMPROVEMENTS IN THIS AREA ARE SUBJECT TO CHANGE BASED ON BASS PRO DEVELOPMENT PLANS (BY OTHERS).

PLAN SHEET LEGEND
EXISTING RIGHT-OF-WAY (EXIST. ROW)
PERMANENT HIGHWAY EASEMENT (P.H.E.)
TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
CONSTRUCTION LIMITS (SL)
SIDEWALK REMOVAL
PROPOSED SIDEWALK
PROPOSED MILL/OVERLAY

SHEET 16 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

SCALE
0 20 40 60

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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
07/29/2024 8:09:43 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED 7/26/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 21
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION | DATE

MATCHLINE STA. 2053+00

MATCHLINE STA. 2058+00

12
25M232143
10415 WATSON RD
N/F
GOFF MOLL LLC
DB 12658, PG 23
SEE SHEET 20

12
25M232101
10345 WATSON RD
N/F
PROBST PROFESSIONAL BUILDING LLC
DB 20205, PG 1623
NO ACQUISITION

13
25M232110
10327 WATSON RD
N/F
FAY CATHERINE E TRUSTEE
DB 16296, PG 1928
323 SF T.C.E.

14
25M232303
10311 WATSON RD
N/F
MC SUNSET LLC
DB 24672, PG 3263
706 SF T.C.E.

25M210826
10400 WATSON RD
N/F
STAFFA LLC
DB 21986, PG 267
NO ACQUISITION

25M210918
10390 WATSON RD
N/F
CARDWELL PAUL FRANCIS
TRUSTEEETAL
DB 10032, PG 1711
NO ACQUISITION

25M210945
10300 WATSON RD
N/F
PREMIER A 1 WATSON LLC
DB 22234, PG 1297
NO ACQUISITION

EXIST. 5'W UTILITY ESMT BK 34, PG 40

DRWY STA. 2053+45 LT. 28' WIDE PAVED APPROACH (8") GRADE = 1.5% (6.5' ADA PATH) / 7.21% AT ℄

DRWY STA. 2054+01 LT. 31' WIDE PAVED APPROACH (8") GRADE = 1.5% (6.5' ADA PATH) / 11.76% AT ℄

DRWY STA. 2055+23 LT. 44' WIDE PAVED APPROACH (8") GRADE = 1.5% (6.5' ADA PATH) / 7.05% AT ℄

DRWY STA. 2056+92 LT. 41' WIDE PAVED APPROACH (8") GRADE = 1.5% (6.5' ADA PATH) / 0.68% AT ℄

DRWY STA. 2057+60 LT. 28' WIDE PAVED APPROACH (8") GRADE = 1.5% (6.5' ADA PATH) / 13.43% AT ℄

DRWY STA. 2053+68 RT. 52' WIDE PAVED APPROACH (8") GRADE = -1.5% (6' ADA PATH) / -7.50% AT ℄

DRWY STA. 2054+66 RT. 48' WIDE PAVED APPROACH (8") GRADE = 1.5% (6.5' ADA PATH) / 0.91% AT ℄

DRWY STA. 2055+26 RT. 53' WIDE PAVED APPROACH (8") GRADE = 1.5% (6.5' ADA PATH) / 7.03% AT ℄

MSD# UNKNOWN (ATG)
EXIST. LIGHT POLE (UIP)
LR PERP RAMP
EXIST. WATER VALVE AND HYDRANT (UIP)
EXIST. PULL BOX (UIP)
6' SIDEWALK W/CURB (TYP.)
EXIST. R/W
EXIST. SAN. MH (UIP)
T.C.E. (TYP.)
EXIST. CURB (UIP)
TREE (DND)
EXIST. LANDSCAPING (UIP)
EXIST. WALL (UIP)
TREE (R)
MILL/OVERLAY
CONST. ℄ RTE. 366
EXIST. SIDEWALK (UIP)
NEW TYPE B CURB AND GUTTER
EXIST. PP AND GUY WIRE (UIP)
EXIST. WATER VALVE (UIP)
EXIST. GAS VALVE (RELBO)
EXIST. PP (UIP)
EXIST. WATER METER (UIP)
EXIST. HYDRANT (UIP)
EXIST. WATER VALVE (UIP)

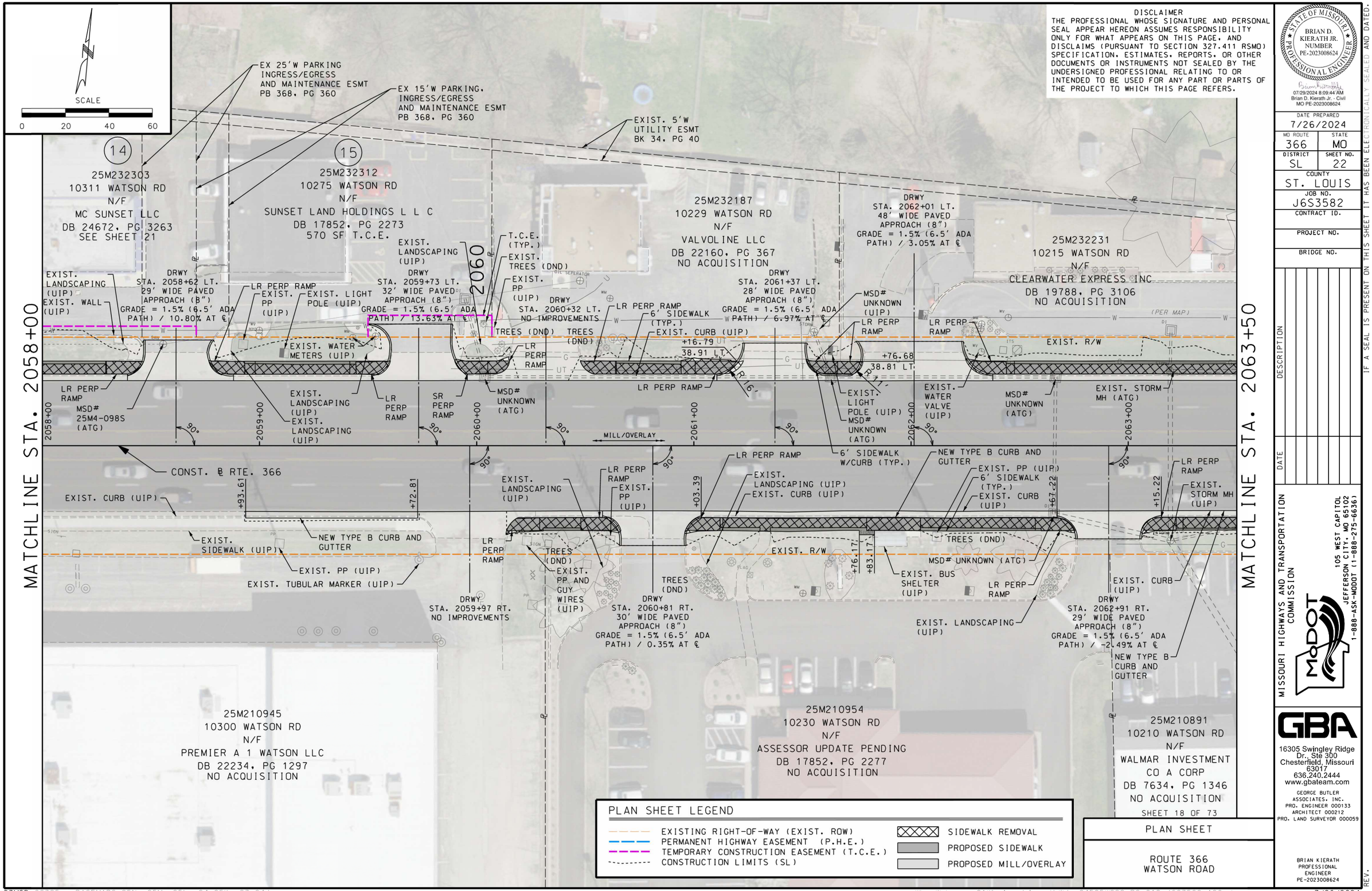
PLAN SHEET LEGEND
EXISTING RIGHT-OF-WAY (EXIST. ROW)
PERMANENT HIGHWAY EASEMENT (P.H.E.)
TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
CONSTRUCTION LIMITS (SL)
SIDEWALK REMOVAL
PROPOSED SIDEWALK
PROPOSED MILL/OVERLAY

SHEET 17 OF 73
PLAN SHEET
ROUTE 366
WATSON ROAD

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr., Ste 300
Chesterfield, Missouri 63017
636.240.2444
www.gbateam.com
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059
BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.



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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

07/29/2024 8:09:44 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	22

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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JEFFERSON CITY, MO 65102
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PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

PLAN SHEET

ROUTE 366
WATSON ROAD

REV.

SCALE
0 20 40 60

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DISTRICT SL | SHEET NO. 23
COUNTY ST. LOUIS
JOB NO. J6S3582
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PROJECT NO.
BRIDGE NO.

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PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

WINDWARD RIDGE DR
STA. 2064+55 LT.
36' WIDE PAVED APPROACH (9")
GRADE = 2.1% (10' ADA PATH) / 2.1% AT ℄

WINDWARD RIDGE DR

EXIST. R/W

EXIST. 5'W UTILITY ESMT BK 34, PG 40

3+00

4+00

18
25M240012
10151 WATSON RD
N/F
BRYUCE LLC
DB 22169, PG 829
298 SF T.C.E.

DRWY
STA. 2066+10 LT.
18' WIDE PAVED APPROACH (8")
GRADE = 1.5% (6.5' ADA PATH) / 18.30% AT ℄

20
25M240063
10125 WATSON RD
N/F
DEEBA INVESTMENTS II L L C
DB 16558, PG 62
827 SF T.C.E.

25M240041
10109 WATSON RD
N/F
NAMCC WATSON ROAD L L C
DB 15786, PG 1902
NO ACQUISITION

25M232231
10215 WATSON RD
N/F
CLEARWATER EXPRESS INC
DB 19788, PG 3106
NO ACQUISITION

2065

DRWY
STA. 2065+62 LT.
29' WIDE PAVED APPROACH (8")
GRADE = 1.5% (6.5' ADA PATH) / 18.18% AT ℄

DRWY
STA. 2066+80 LT.
38' WIDE PAVED APPROACH (8")
GRADE = 1.5% (6.5' ADA PATH) / 19.52% AT ℄ (PER MAP)

DRWY
STA. 2067+88 LT.
NO IMPROVEMENTS

DRWY
STA. 2068+75 LT.
NO IMPROVEMENTS

NEW WALL
EXIST. TUBULAR MARKER (UIP) (TYP)
EXIST. INLET (UIP)
EXIST. WALL (R)
NEW TYPE B CURB AND GUTTER
EXIST. PP (UIP)
EXIST. PULL BOX (UIP)
EXIST. FIRE ALARM ELECTRICAL
EXIST. R/W
EXIST. CURB (UIP)
EXIST. PULL BOX (R&R)
TREES (DND)
6' SIDEWALK (TYP.)
LR PERP RAMP
NEW 8'X7' BUS PAD STOP 8739
EXIST. INLET STONE (R&R)
NEW 18'X8.5' BUS PAD STOP 8738
MSD# UNKNOWN (ATG)
MILL/OVERLAY
CONST. ℄ RTE. 366
EXIST. STORM MH (ATG)
NEW TYPE B CURB AND GUTTER
EXIST. LIGHT POLE (UIP)
EXIST. GUY WIRE (UIP)
EXIST. GAS VALVE (UIP)
EXIST. SIDEWALK (UIP)
EXIST. PP (UIP)
EXIST. GUY WIRE (UIP)
NEW CURB
T.C.E. (TYP.)
EXIST. GAS VALVE (RELBD)
EXIST. WATER VALVE (ATG)
EXIST. 7.5'W ESMT PB 368, PG 73

POT STA 5+00.00

MATCHLINE STA. 2063+50

MATCHLINE STA. 2069+00

+31.25 38.10 LT +16.80
+79.15 38.85 LT
+92.14 32.93 LT
+01.54 49.27 LT
+01.21 52.00 LT
+80.00
+87.00
+87.97
+36.32
+55.78
+15.59
+23.99
+36.05
+53.00
+35.00
+95.94 49.00 RT

2064+00
2065+00
2066+00
2067+00
2068+00

88.9°
90°

DRWY
STA. 2064+12 RT.
41' WIDE PAVED APPROACH (8")
GRADE = 1.5% (6.5' ADA PATH) / -4.86% AT ℄

DRWY
STA. 2064+86 RT.
40' WIDE PAVED APPROACH (8")
GRADE = 1.5% (6.5' ADA PATH) / -4.94% AT ℄

DRWY
STA. 2065+45 RT.
NO IMPROVEMENTS

DRWY
STA. 2067+88 RT.
NO IMPROVEMENTS

MSD# 25M4-040D (ATG)
MSD# 25M3-152D (ATG)
MSD# 25M3-151D (ATG)

16
25M210909
10202 WATSON RD
N/F
M & R WATSON L C A
MISSOURI LIMITED LIAB
DB 12060, PG 660
213 SF T.C.E.

17
25M220625
10156 WATSON RD
N/F
ROUSE COMPANIES LLC
DB 23572, PG 4048
388 SF T.C.E.

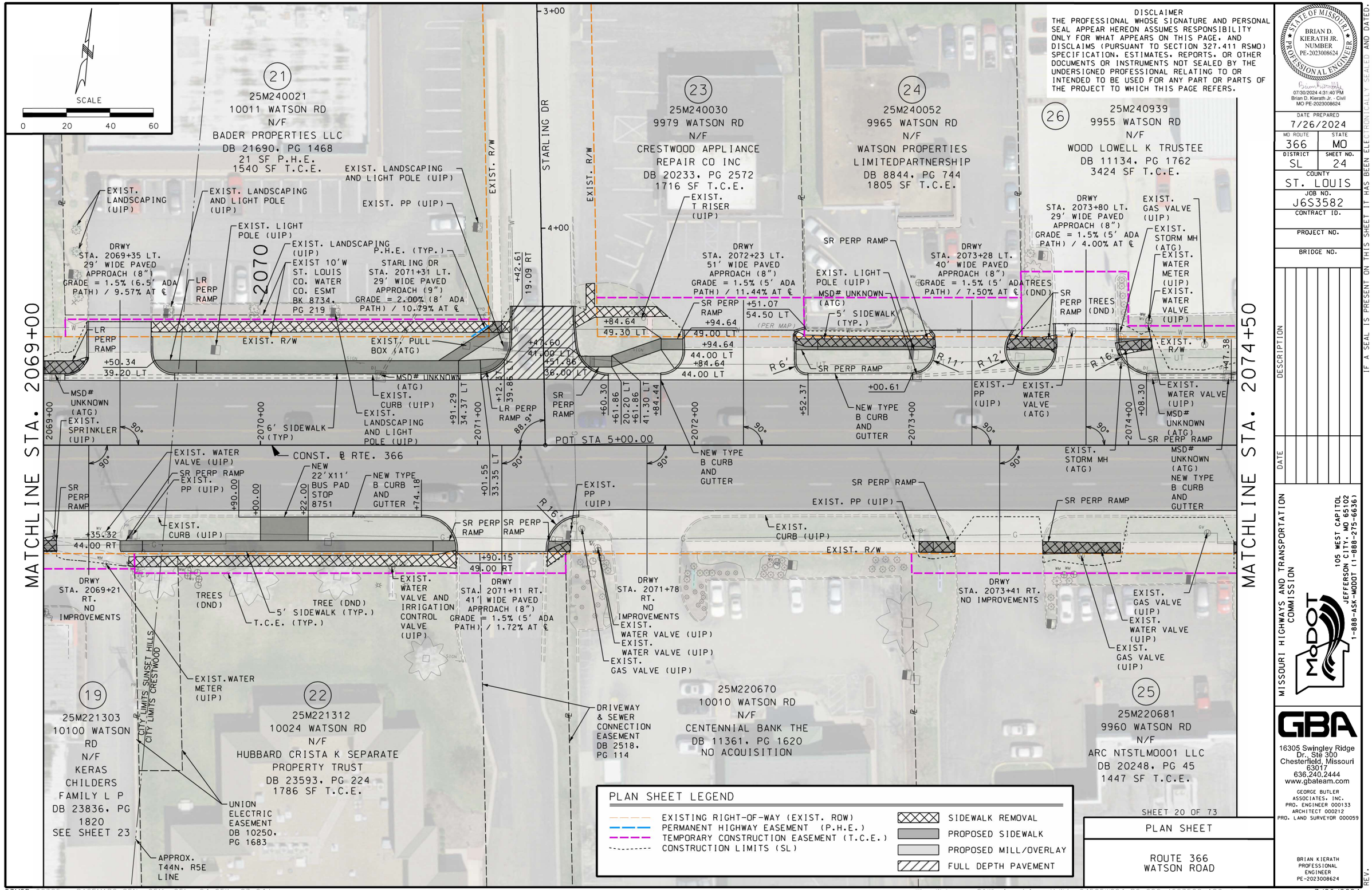
19
25M221303
10100 WATSON RD
N/F
KERAS CHILDERS FAMILY L P
DB 23836, PG 1820
329 SF T.C.E.

PLAN SHEET LEGEND
EXISTING RIGHT-OF-WAY (EXIST. ROW)
PERMANENT HIGHWAY EASEMENT (P.H.E.)
TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
CONSTRUCTION LIMITS (SL)
SIDEWALK REMOVAL
PROPOSED SIDEWALK
PROPOSED MILL/OVERLAY
FULL DEPTH PAVEMENT

SHEET 19 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD



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BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
07/30/2024 4:31:40 PM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	24

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr. Ste 300
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GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SHEET 20 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

REV.

SCALE
0 20 40 60

MATCHLINE STA. 2074+50

MATCHLINE STA. 2079+50

26
25M240939
9955 WATSON RD
N/F
WOOD LOWELL K TRUSTEE
DB 11134, PG 1762
SEE SHEET 24

25M240948
9945 WATSON RD
N/F
LANDSHARES GENERAL CORPORATION
DB 8268, PG 1743
NO ACQUISITION

29
25M240096
9933 WATSON RD
N/F
ROCK OIL COMPANY
DB 22762, PG 180
250 SF P.H.E.

30
25M330010
9919 WATSON RD
N/F
SPIRIT ENERGY L L C A DELAWARE LTD LIABI
DB 11135, PG 2489
70 SF P.H.E.
2973 SF T.C.E.

DRWY STA. 2074+80 LT. 31' WIDE PAVED APPROACH (8") GRADE = 1.5% (5' ADA PATH) / 4.00% AT ℄

DRWY STA. 2075+45 LT. NO IMPROVEMENTS

DRWY STA. 2077+38 LT. 35' WIDE PAVED APPROACH (9") GRADE = -1.3% (5' ADA PATH) / -3.10% AT ℄

TREES (DND)

EXIST. STORM MH (UIP)

SR PERP RAMP

EXIST. SAN. MH (UIP)

P.H.E. (TYP.)

SR PERP RAMP NEW TYPE S CURB

EXIST. LIGHT POLE (UIP)

EXIST. ELECTRIC RISER (UIP)

T.C.E. (TYP.)

5' SIDEWALK (TYP.)

NEW 22'X10' BUS PAD STOP 8737

EXIST. AIR PUMP (UIP)

EXIST. LIGHT POLE (UIP)

EXIST. SIGN (UIP)

EXIST. WATER VALVE (UIP)

EXIST. R/W

EXIST. SIDEWALK (UIP)

EXIST. GUY WIRE (UIP)

EXIST. PP (UIP)

EXIST. STORM MH (ATG)

CONST. ℄ RTE. 366

MILL/OVERLAY

MSD# UNKNOWN (ATG)

EXIST. WATER VALVE (ATG)

EXIST. CURB (UIP)

EXIST. PULL BOX (ATG)

EXIST. GUY WIRE (UIP)

EXIST. BALLARD (REL)

EXIST. PP (UIP)

EXIST. HYDRANT (UIP)

EXIST. PULL BOX (RELOC.)

SEE SIGNAL PLANS FOR SIGNAL RELATED ITEMS

EXIST. RAISED MH (UIP)

EXIST. LANDSCAPING (UIP)

EXIST. RAISED MH (UIP)

EXIST. CURB (UIP)

EXIST. PP (UIP)

MSD# UNKNOWN (ATG)

DUAL PERP RAMP

EXIST. PULL BOX (UIP)

EXIST. GUY WIRE (UIP)

EXIST. PP (UIP)

EXIST. GUY WIRE (UIP)

EXIST. LANDSCAPING (UIP)

TREE (DND)

EXIST. SIGN AND LANDSCAPING (UIP)

EXIST. WATER VALVE (ATG)
EXIST. GAS VALVE (RELBO)
EXIST. WATER VALVE (ATG)
EXIST. WATER METER (ATG)
EXIST. WATER METER (UIP)

EXIST. WALL (UIP)
EXIST. SIGN (UIP)
NEW TYPE S CURB
SR PERP RAMP

EXIST. 5'W MSD ESMT PB 207, PG 62

10'W LACLEDE GAS ESMT PB 12630, PG 2490

EXIST. HYDRANT (UIP)

NEW TYPE S CURB

EXIST. WATER VALVE (UIP)

EXIST. 5' SIDEWALK (TYP.)

NEW 22'X11' BUS PAD STOP 8752

STURDY DR
STA. 2077+38 RT.
38' WIDE PAVED APPROACH (9")
GRADE = -1.50% (5' ADA PATH) / -6.45% AT ℄

10'W MSD ESMT PB 6783, PG 1052

25
25M220681
9960 WATSON RD
N/F
ARC NTSTLM0001 LLC
DB 20248, PG 45
SEE SHEET 24

27
25M220735
9942 WATSON RD
N/F
EMART INVESTMENT CO
DB 7441, PG 1832
197 SF P.H.E.
1387 SF T.C.E.

28
25M220726
10000 WATSON RD
N/F
THIRTY THREE THIRTY THREE INC ET AL
DB 22291, PG 883
535 SF P.H.E.
1186 SF T.C.E.

31
25M310807
9930 WATSON RD
N/F
SPEEDARI LLC
DB 22382, PG 303
93 SF P.H.E.
813 SF T.C.E.

32
25M310816
9920 WATSON RD
N/F
FIFTH L L C
DB 12976, PG 1719
545 SF T.C.E.

PLAN SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. ROW)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

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BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
07/29/2024 8:09:45 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DATE PREPARED 7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	25

COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr., Ste 300
Chesterfield, Missouri 63017
636.240.2444
www.gbateam.com
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SHEET 21 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

REV.

SCALE
0 20 40 60

MSD ESMT BK 8976. PG 765

30
25M330010
9919 WATSON RD
N/F
SPIRIT ENERGY L L C A DELAWARE LTD LIABI
DB 11135. PG 2489
SEE SHEET 25

SITE REDEVELOPMENT HAS OCCURRED AT 9915 WATSON ROAD. PROPOSED IMPROVEMENTS ARE SHOWN IN THIS PLAN SET FROM A SITE ASSESSMENT.

30'W PARKING/ACCESS ESMT BK 11135 PG 2486

33
25M330607
9915 WATSON RD
N/F
MCDONALDS REAL ESTATE CO
DB 6744. PG 2129
1349 SF T.C.E.

35
25M330634
9901 WATSON RD SUITE 121
N/F
TOMAX DEVELOPMENT CORP ETAL
DB 10327. PG 460
950 SF T.C.E.

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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
07/29/2024 8:09:46 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DRWY STA. 2080+20 LT. 58' WIDE PAVED APPROACH (8") GRADE = 1.5% (5' ADA PATH) / 1.10% AT ℄

DRWY STA. 2081+00 LT. 30' WIDE PAVED APPROACH (8") GRADE = 1.5% (5' ADA PATH) / 1.10% AT ℄

NEW TYPE B CURB AND GUTTER

DRWY STA. 2081+80 LT. 30' WIDE PAVED APPROACH (8") GRADE = 1.5% (5' ADA PATH) / 1.13% AT ℄

DRWY STA. 2082+41 LT. NO IMPROVEMENTS

DRWY STA. 2083+52 LT. 38' WIDE PAVED APPROACH (8") GRADE = 1.5% (5' ADA PATH) / 1.16% AT ℄

MATCHLINE STA. 2079+50

MATCHLINE STA. 2085+00

2080

2085

2080+00

2081+00

2082+00

2083+00

2084+00

2085+00

5' SIDEWALK (TYP.)

EXIST. PP (UIP)

SR PERP RAMP

+91.86 48.00 LT

+91.02 43.00 LT

+47.35 53.92 LT

TREES (DND)

R16'

R19'

MSD# UNKNOWN (ATG)

MSD# 25M3-113S (ATG)

EXIST. STORM MH (UIP)

EXIST. WATER VALVE (ATG)

EXIST. WATER METER (UIP)

EXIST. HYDRANT (UIP)

MSD# 25M3-112S (ATG)

EXIST. SIGN (UIP)

EXIST. STORM MH (UIP)

EXIST. LIGHT POLE (UIP)

EXIST. R/W

T.C.E. (TYP.)

EXIST. GAS VALVE (UIP)

MSD# UNKNOWN (ATG)

5' SIDEWALK (TYP.)

EXIST. INLET (ATG)

MILL/OVERLAY

CONST. ℄ RTE. 366

90°

+75.44

+01.20 44.00 RT

+11.20

+51.20 36.00 RT

+40.37 36.00 RT

+92.72 36.00 RT

+81.26 36.00 RT

+26.82 41.00 RT

+31.40 36.00 RT

SR PERP RAMP MSD# UNKNOWN (ATG)

SR PERP RAMP

MSD# UNKNOWN (ATG)

EXIST. SIGN (UIP)

+75.10 49.00 RT

+99.97 50.47 RT

SR PERP RAMP EXIST. GAS VALVE (ATG)

EX. BUS STOP (R)

EXIST. T RISER (UIP)

EXIST. WATER VALVE (ATG)

EXIST. PP (UIP)

+44.69 41.00 RT

+88.41 41.00 RT

EXIST. GAS VALVE (UIP)

EXIST. PP (UIP)

T.C.E. (TYP.)

EXIST. SIGN (UIP)

EXIST. SIGN (UIP)

EXIST. CURB (UIP)

EXIST. PP (UIP)

+85.81 41.00 RT

TREES (DND)

TREE (DND)

EXIST. PP (UIP)

MSD# UNKNOWN (ATG)

MSD# 25M3-131D (ATG)

DRWY STA. 2079+88 RT. 25' WIDE PAVED APPROACH (8") GRADE = 1.5% (5' ADA PATH) / 2.67% AT ℄

DRWY STA. 2081+67 RT. 39' WIDE PAVED APPROACH (8") GRADE = 1.5% (5' ADA PATH) / -3.10% AT ℄

DRWY STA. 2084+06 RT. 36' WIDE PAVED APPROACH (8") GRADE = 1.5% (5' ADA PATH) / 0.40% AT ℄

32
25M310816
9920 WATSON RD
N/F
FIFTH L L C
DB 12976. PG 1719
SEE SHEET 25

25M310881
9916 WATSON RD
N/F
BUTLER INVESTMENTS PARTNERSHIP L P
DB 18061. PG 1426
NO ACQUISITION

34
25M310935
9900 WATSON RD
N/F
BUTLER INVESTMENTS PARTNERSHIP L P
DB 17292. PG 1541
485 SF T.C.E.

PLAN SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. ROW)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY

SHEET 22 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

DATE PREPARED 7/26/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 26
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY. MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
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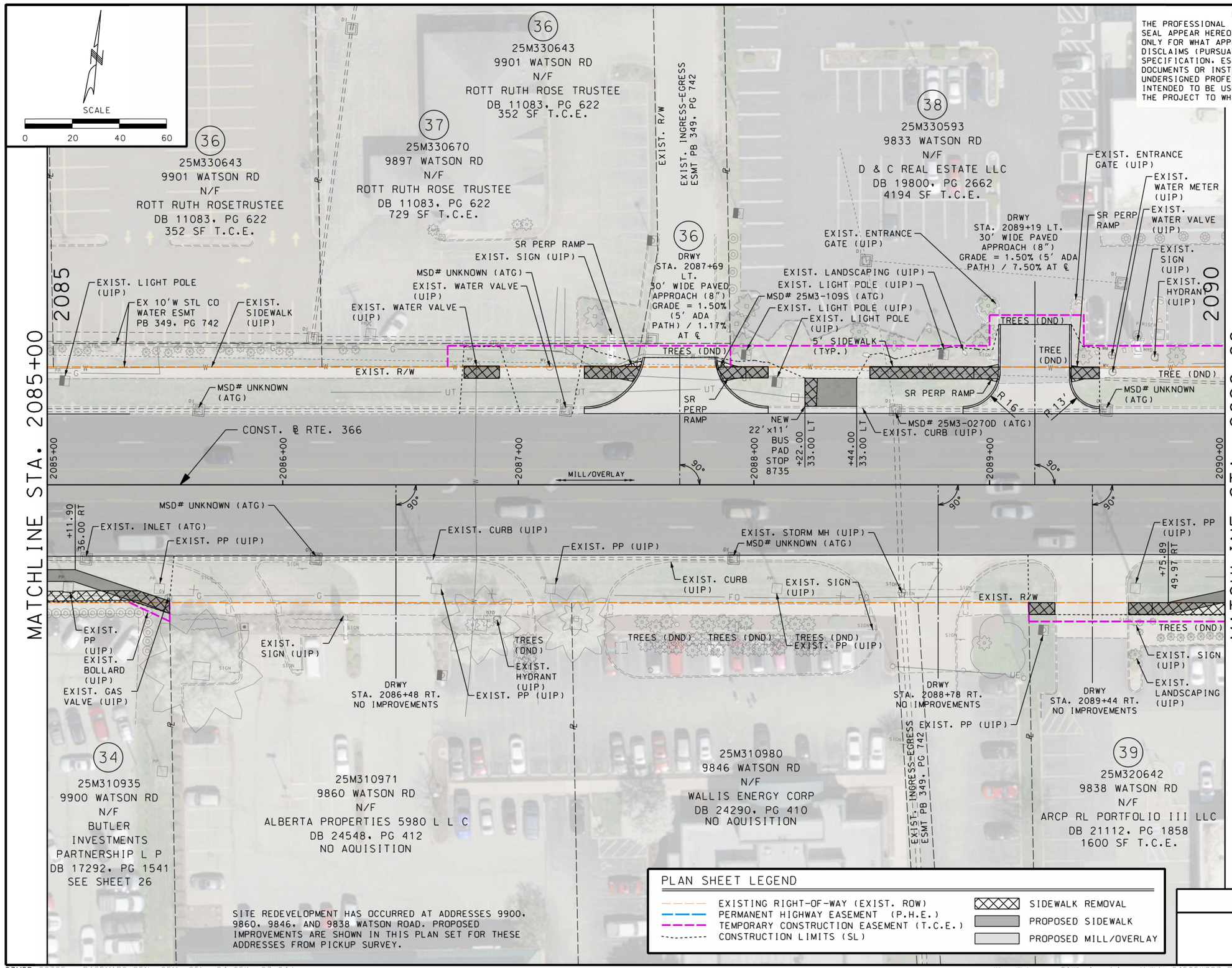
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.



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Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	27

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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PRO. LAND SURVEYOR 000059

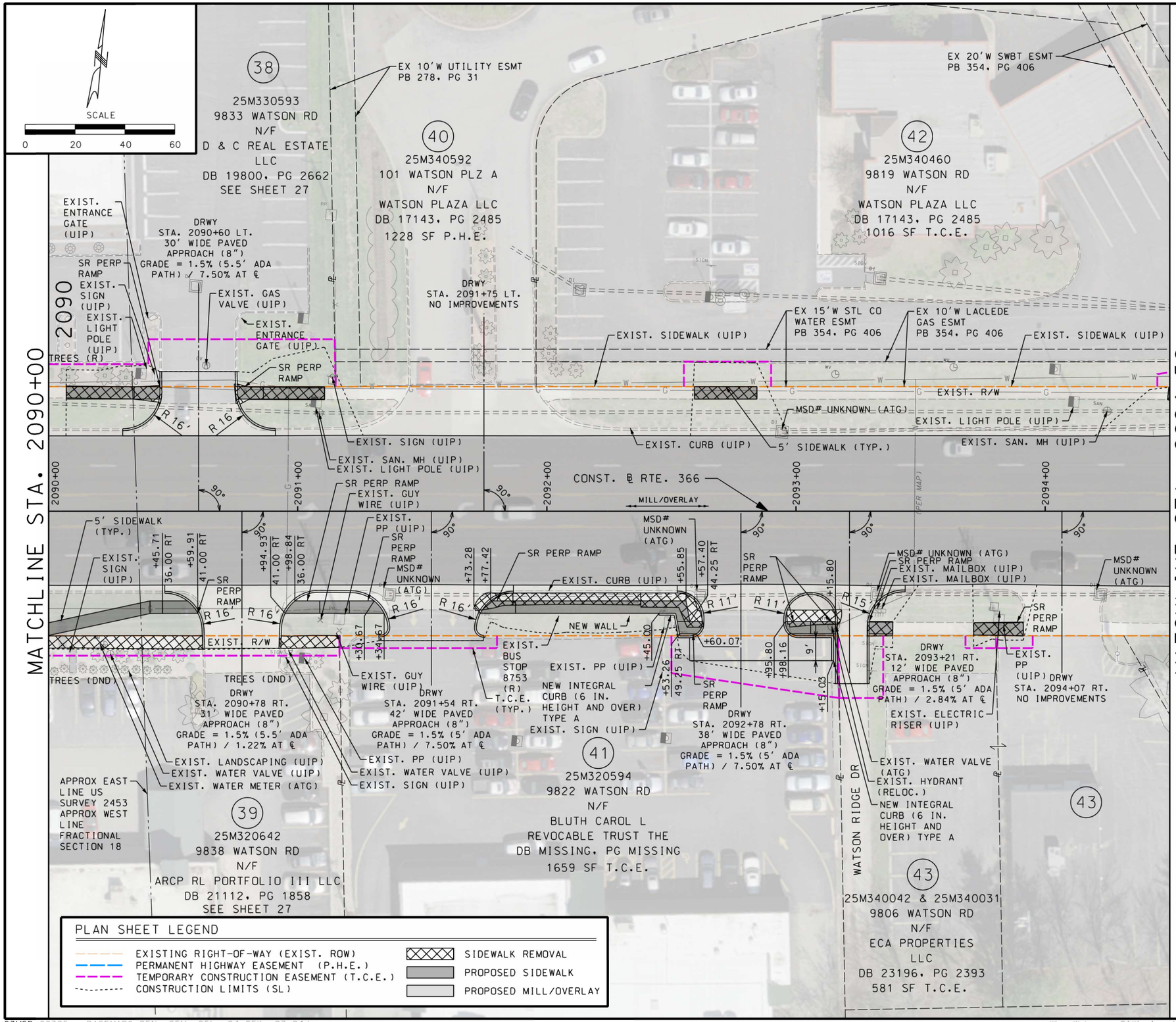
BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SHEET 23 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

REV.



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MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	28

COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

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DATE	DESCRIPTION	REV.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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PRO. LAND SURVEYOR 000059
BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SHEET 24 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

SCALE
0 20 40 60

40
25M340592
101 WATSON PLZ A
N/F
WATSON PLAZA LLC
DB 17143, PG 2485
SEE SHEET 28

42
25M340460
9819 WATSON RD
N/F
WATSON PLAZA LLC
DB 17143, PG 2485
SEE SHEET 28

46
25M340581
9807 WATSON RD
N/F
WATSON PLAZA LLC
DB 17143, PG 2485
342 SF P.H.E.
3182 SF T.C.E.

49
25M340543
9805 WATSON RD
N/F
WATSON PLAZA LLC
DB 17143, PG 2485
368 SF P.H.E.
315 SF T.C.E.

43
25M340042 & 25M340031
9806 WATSON RD
N/F
ECA PROPERTIES LLC
DB 23196, PG 2393
SEE SHEET 102

45
25M340493
9804 WATSON RD
N/F
DAUGHTERS OF ST PAUL
RELIGIOUS TRUST
DB 23197, PG 345
135 SF T.C.E.

47
25M340507
9800 WATSON RD
N/F
TD NAIL SPA LLC
DB 24642, PG 3408
65 SF T.C.E.

48
25M340394
9792 WATSON RD
N/F
SCOTT CREDIT UNION
DB 24296, PG 1499
373 SF P.H.E.
1100 SF T.C.E.

50
25M340341
9760 WATSON RD
N/F
SONNY'S REAL ESTATE
DEVELOPMENT LLC
DB 21567, PG 774
3872 SF T.C.E.

MATCHLINE STA. 2094+50

MATCHLINE STA. 2100+00

EXIST. 40'W PRIV RDWY ESMT DB 1830, PG 255

EXIST. ROW CITY OF CRESTWOOD DB 15434, PG 539

EX ROW CITY OF CRESTWOOD DB 17715, PG 5735

10'W LACLEDE GAS ESMT PB 12630, PG 2490

EX 15'W STL CO WATER ESMT PB 354, PG 406

5' SIDEWALK (TYP.)

EXIST. CURB (UIP)

EXIST. WALL AND TELE. MH (UIP)

MSD# UNKNOWN (ATG)

EXIST. LIGHT POLE (UIP)

EXIST. STORM MH AND IRRIGATION CONTROL VALVE (UIP)

EXIST. SAN. MH (UIP)

DUAL PERP RAMP T.C.E. (TYP.)

EXIST. PULL BOX (R)

P.H.E. (TYP.)

EXIST. LIGHT POLE (UIP)

EXIST. ELECTRIC RISER (UIP)

EX 20'W SWBT ESMT PB 354, PG 406

DRWY STA. 2094+64 LT. 16' WIDE PAVED APPROACH (8") GRADE = 1.5% (7' ADA PATH) / 1.05% AT ℄

EXIST. WATER VALVE (UIP) DRWY STA. 2095+47 LT. 16' WIDE PAVED APPROACH (8") GRADE = 1.5% (5' ADA PATH) / 0.75% AT ℄

LR PERP RAMP

EXIST R/W

TREES (DND)

SR PERP RAMP

EX 10'W LACLEDE GAS ESMT PB 354/PG 406

EXIST. STORM MH (ATG)

MSD# 25M3-107S (ATG)

MSD# 25M3-129S (ATG)

LR PERP RAMP

MILL/OVERLAY

CONST. ℄ RTE. 366

NEW 22'X8.5' BUS PAD STOP 8734

MSD# 25M3-103S (ATG)

MSD# 25M3-116D (ATG)

NEW TYPE B CURB AND GUTTER

EXIST. MEDIAN (MODIFY)

MSD# 25M3-117D (ATG)

ISLAND CUT-THROUGH

EXIST. ISLAND (MODIFY)

POT STA 5+00.00

EXIST. STORM MH (ATG)

MSD# 25M3-130S (ATG)

EXIST. MEDIAN (UIP)

EXIST. LIGHT POLE (UIP)

EXIST. PP (UIP)

EXIST. POWER SUPPLY AND SIGNAL CONTROLLER (R)

EXIST. PULL BOXES (R)

PC STA 5+25.00

5' SIDEWALK

EXIST. PP (UIP)

LR PERP RAMP 6' SIDEWALK

NEW WALL W/ HANDRAIL (RELBO)

EXIST. TELE. MH (UIP)

SR PERP RAMP

EXIST. CONCRETE DRAIN (R&R)

EXIST. WATER VALVE (ATG)

CONCRETE GUTTER TYPE A

DRWY STA. 2100+00 RT. 60' WIDE PAVED APPROACH (8") GRADE = -0.5% (4' ADA PATH) / -11.00% AT ℄

EXIST. STORM MH (UIP)

EXIST. WATER METER (ATG)

EX 10'W DRAINAGE ESMT TO BORTZ AND HALL, INC ANTON TENDLER DB 18121, PG 600 DB 1913, PG 24 DB 1955, PG 98

GLENWOOD DR

EXIST. R/W

SEE SIGNAL PLANS FOR SIGNAL RELATED ITEMS

PROP. 6" RAISED ISLAND

SR PERP RAMP

NEW TYPE B CURB AND GUTTER

EXIST. ISLAND (R)

EXIST. PULL BOXES (R)

EXIST. PP (UIP)

EXIST. PP (RELOC.)

EXIST. ELECTRIC RISER (UIP)

EXIST. WATER VALVE (ATG)

LR PERP RAMP

EXIST. PULL BOX (R)

EXIST. CURB (UIP)

EXIST. FLAG POLE (UIP)

5' SIDEWALK

EXIST. LIGHT POLE (UIP)

TREE (DND)

ISLAND CUT-THROUGH

NEW TYPE B CURB AND GUTTER

EXIST. SIGN TRUSS (UIP)

PROP. 6" RAISED ISLAND

EXIST. 10'W MSD ESMT DB 6638, PG 1750

5'W MSD ESMT BK 3837, PG 281

10'W SEWER ESMT BK 1812, PG 600

MSD# UNKNOWN (ATG)

SR PERP RAMP

MSD# UNKNOWN (ATG)

EXIST. GUY WIRE (UIP)

MSD# UNKNOWN (ATG)

EXIST. PP (UIP)

EXIST. GUY WIRE (UIP)

SR PERP RAMP

EXIST. R/W

EXIST. SIGN (UIP)

EXIST. SIDEWALK (UIP)

EXIST. STORM MH (ATG)

DRWY STA. 2094+80 RT. NO IMPROVEMENTS

DRWY STA. 2096+28 RT. 31' WIDE PAVED APPROACH (8") GRADE = 0.36% (9' ADA PATH)/ 0.36% AT ℄

EXIST. WATER METER (UIP)

EXIST. SIGN (UIP)

EXIST. SAN. MH (UIP)

EXIST. SIGN (UIP)

DRWY STA. 2096+86 RT. 24' WIDE PAVED APPROACH (8") GRADE = 1.5% (5' ADA PATH) / 1.04% AT ℄

MSD# 25M3-112D (ATG)

EX 10'W DRAINAGE ESMT TO STATE HIGHWAY COMMISISION DB 6147, PG 406

MSD# UNKNOWN (ATG)

EX 6'W DRAINAGE ESMT TO BORTZ AND HALL, INC ANTON TENDLER DB 18121, PG 600 DB 1913, PG 24 DB 1955, PG 98

PLAN SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. ROW)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

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Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED 7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	29

COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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105 WEST CAPITOL
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PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH PROFESSIONAL ENGINEER PE-2023008624

SHEET 25 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

REV.

23MSD-00395 : BASEMAPS 25N, 25M, 25L, 24-25K, 23-24J

c:\dms\gba-pw-01\brian.kierath\dms04525\029_PS_025_J6S3582_i20.dgn

7/26/2024

SCALE
0 20 40 60

49
25M340543
9805 WATSON RD
N/F
WATSON PLAZA LLC
DB 17143, PG 2485
SEE SHEET 29

52
25L130525
9701 WATSON RD
N/F
THF CRESTWOOD POINT DEVELOPMENT L L C
DB 14368, PG 390
2090 SF T.C.E.

APPROX SOUTHWEST LINE US SURVEY 1936
APPROX EAST LINE FRACTIONAL SECTION 18
MSD# 25M3-105S (ATG)
EXIST. WATER VALVE AND IRRIGATION CONTROL VALVE (ATG)
EX 10'W UTILITY ESMT PB 354, PG 406
EXIST.LIGHT POLE (UIP)
EXIST. GUY WIRE (UIP)
EXIST. PP (UIP)
DRWY STA. 2102+76 LT. 32' WIDE PAVED APPROACH (8") GRADE = 1.5% (5' ADA PATH) / 2.96% AT ℄
EXIST. LIGHT POLE (UIP)
EX 15'W STL CO WATER ESMT PB 354, PG 406
EXIST. PP (UIP)
EX 5'W DRAINAGE ESMT STATE HWY COMMISSION DB 6247,PG 231 AND DB 6247,PG 243
TREE (DND)
SR PERP RAMP
EXIST. PP (UIP)
MSD# 25L4-089D (ATG)
EXIST. GUY WIRE (UIP)
EXIST. PP (UIP)
EX 5'W DRAINAGE ESMT DB 6160, PG 178
EXIST. CURB (UIP)
EXIST. PP (UIP)
EXIST. R/W
MSD# 25M3-118D (ATG)
MSD# 25M3-119D (ATG)
EXIST. CURB MSD# 25L4-360D (ATG)
EXIST. CURB (UIP)
EXIST. HYDRANT (UIP)
SR PERP RAMP
EXIST. LIGHT POLE (UIP)
EXIST. SAN. MH (UIP)
TREES (DND)
TREES (DND)
TREES (DND)
EXIST. LIGHT POLE (UIP)
EXIST. STORM MH (UIP)
MSD# 25L4-077D (ATG)
EXIST. SIDEWALK (UIP)
EXIST. LIGHT POLE (UIP)
EXIST. HYDRANT (UIP)
CONST. ℄ RTE. 366
MILL/OVERLAY
2100+00
2101+00
2102+00
2103+00
2104+00
2105+00
STA. 2100+00
STA. 2105+50
2100
2105
EXIST. MEDIAN (UIP)
MSD# 25M3-113D (ATG)
NEW TYPE B CURB AND GUTTER
EXIST. PP (UIP)
LR PERP RAMP
LR PERP RAMP
LR PERP RAMP
EXIST BUS STOP (R)
MSD# 25M3-114ZZD (ATG)
NEW 22'X10' BUS PAD STOP 8754
EXIST. PP AND T RISER (UIP)
EXIST. GUY WIRE (RELOC.)
SR PERP RAMP
LR PERP RAMP
EXIST. LIGHT POLE (UIP)
EXIST. GUY WIRE (UIP)
SR PERP RAMP
AMEREN ESMT BK 16315, PG 2866 VARIABLE WIDTH BASED ON LOCATION OF POLES
EXIST. PP (UIP)
MSD# UNKNOWN (ATG)
EXIST. R/W
+35.43
+77.75
+20.19 44.40 RT
+38.29 38.55 RT
+65.56 44.00 RT
+80.00
+02.00
+28.98 44.00 RT
+31.93 49.00 RT
+60.88 49.00 RT
+67.02 44.00 RT
+82.93
+91.66 50.00 RT
R 67'
R 11'
R 11'
R 16'
R 26'
EXIST. SIGN (UIP)
6' SIDEWALK
EXIST. T RISER (UIP)
DRWY STA. 2101+04 RT. 30' WIDE PAVED APPROACH (8") GRADE = 1.5% (6.5' ADA PATH) / 5.30% AT ℄
EXIST. CURB (UIP)
5' SIDEWALK (TYP.)
EXIST. HYDRANT (UIP)
EXIST. SIGN (UIP)
DRWY STA. 2103+43 RT. 24' WIDE PAVED APPROACH (8") GRADE = 1.5% (5' ADA PATH) / -0.67% AT ℄
DRWY STA. 2104+34 RT. NO IMPROVEMENTS
P.H.E. (TYP.)
T.C.E. (TYP.)
20'W MSD ESMT 8976/2105
EXIST. SIDEWALK (UIP)
MSD# 25L4-076D (ATG)
EXIST. STORM MH (ATG)
SIDEWALK REMOVAL
PROPOSED SIDEWALK
PROPOSED MILL/OVERLAY

50
25M340341
9760 WATSON RD
N/F
SONNY'S REAL ESTATE DEVELOPMENT LLC
DB 21567, PG 774
SEE SHEET 29

51
25L130482
9730 WATSON RD
N/F
GIANINO ORAZIO J TRUSTEE ETAL
DB 18113, PG 1742
4217 SF T.C.E.

51

53
25L130543
9712 WATSON RD
N/F
LAST LLC
DB 21238, PG 589
189 SF P.H.E.
470 SF T.C.E.

APPROX SOUTHWEST LINE US SURVEY 1936
APPROX EAST LINE FRACTIONAL SECTION 18

EX 10'W DRAINAGE ESMT TO BORTZ AND HALL, INC
ANTON TENDLER
DB 18121, PG 600
DB 1913, PG 24
DB 1955, PG 98

MATCHLINE STA. 2100+00
MATCHLINE STA. 2105+50

PLAN SHEET LEGEND
EXISTING RIGHT-OF-WAY (EXIST. ROW)
PERMANENT HIGHWAY EASEMENT (P.H.E.)
TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
CONSTRUCTION LIMITS (SL)
SIDEWALK REMOVAL
PROPOSED SIDEWALK
PROPOSED MILL/OVERLAY

SHEET 26 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
07/29/2024 8:09:49 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	30

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr., Ste 300
Chesterfield, Missouri 63017
636.240.2444
www.gbateam.com
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

SCALE
0 20 40 60

NOTE: EXISTING LINEWORK SHOWN IN THIS AREA REPRESENTS ONGOING CONSTRUCTION ASSOCIATED WITH THE CRESTWOOD CROSSING DEVELOPMENT (BY OTHERS) BUT SHOULD NOT BE CONSIDERED SURVEY.

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MATCHLINE STA. 2105+50

52
25L130525
9701 WATSON RD
N/F
THF CRESTWOOD POINT DEVELOPMENT L L C
DB 14368, PG 390
SEE SHEET 30

EX 5'W DRAINAGE ESMT DB 6160, PG 178
EX 5'W DRAINAGE ESMT DB 6247, PG 231, 6247/228 AND DB 6247, PG 243
EXIST. SAN. MH (UIP)
EX 5'W DRAINAGE ESMT STATE HWY COMMISSION DB 6247, PG 231 AND DB 6247, PG 243
EXIST. HYDRANT (UIP)
EXIST. CURB (UIP)
EXIST. R/W
MSD# 25L4-077D (ATG)
EXIST. MEDIAN (UIP)
TREES (DND)
+61.00 39.71 LT
+83.00 50.53 LT
EXIST. BUSH (R)
EXIST. SIGN TRUSS (R)
MILL/OVERLAY
CONST. ℄ RTE. 366
TREES (DND)
EXIST. PP (UIP)
EXIST. SIDEWALK (UIP)
NEW 22'X11' BUS PAD STOP 8733
EXIST. LIGHT POLE (UIP)
EXIST. STORM MH (UIP)
MSD# 25L4-079D (ATG)
COMP PERP RAMP
NEW TYPE B CURB AND GUTTER
EXIST. TELE. MH (UIP)
5' SIDEWALK
EXIST. STORM MH(ATG)
MSD# 25L4-359D (ATG)
EXIST. SIGN (UIP)
NEW TYPE B CURB AND GUTTER
MSD# 25L4-097D (ATG)
+50.13 +52.89 76.00 RT
+55.02 80.53 RT +56.95
ISLAND CUT-THROUGH
PROP. 6" RAISED ISLAND
EXIST. ISLAND (MODIFY)
EXIST. PULL BOX (ATG)
EXIST. GAS VALVE (UIP)
SAPPINGTON RD
EXIST. R/W
PC STA 3+54.92
3+00
4+00
2106+00
2107+00
2108+00
2109+00
2110+00
2111+00
63.9°
90°

54
25L140162
1 CRESTWOOD PLZ
N/F
CRESTWOOD MISSOURI PARTNERS LLC
DB 20992, PG 1438
SEE SHEET 35

MSD# 25L4-092D (ATG)
EXIST. CURB (UIP)
EXIST. LIGHT POLE (UIP)
EXIST. MEDIAN (UIP)
EXIST. PULL BOX (ATG)
ISLAND CUT-THROUGH
EXIST. GUARDRAIL (UIP)
EXIST. ISLAND (MODIFY)
EXIST. SIDEWALK (UIP)
EXIST. LIGHT POLE (UIP)
FUTURE ROW DEDICATION (BY OTHERS)
PC STA 5+00.00
SEE SIGNAL PLANS FOR SIGNAL RELATED ITEMS
T1 PAR RAMP
EXIST. ISLAND (R)
ISLAND CUT-THROUGH PROP. 6" RAISED ISLAND
NEW TYPE B CURB AND GUTTER
EXIST. HYDRANT (UIP)
+82.98 51.44 RT
+85.85 47.51 RT
EXIST. PULL BOX (ATG)
EXIST. LIGHT POLE (UIP)
6' SIDEWALK W/CURB (TYP)
NEW TYPE B CURB AND GUTTER
EXIST. TELE. MH(ATG)
6+00
+08.00
PT STA 6+18.40
EXIST. LIGHT POLE (UIP)
SAPPINGTON RD
EXIST. R/W

MATCHLINE STA. 2111+00

AMEREN ESMT BK 16315, PG 2866
VARIABLE WIDTH BASED ON LOCATION OF POLES
MSD# UNKNOWN (ATG)
EXIST. TELE. MH (UIP)
MSD# UNKNOWN (ATG)
MSD# UNKNOWN (ATG)
EXIST. R/W
EXIST. CURB (UIP)
EXIST. SIDEWALK (UIP)
EXIST. PP AND GUY WIRE (UIP)
EXIST. PP AND GUY WIRE (UIP)
EXIST. PP AND GUY WIRE (UIP)
EXIST. PP (UIP)
EXIST. GAS METER (UIP)
EXIST. GAS VALVE (UIP)
EXIST. LIGHT POLE (UIP)
ISLAND CUT-THROUGH
EXIST. SIGN (UIP)

53
25L130543
9712 WATSON RD
N/F
LAST LLC
DB 21238, PG 589
SEE SHEET 30

DRWY STA. 2106+44 RT. NO IMPROVEMENTS
EXIST. R/W
E WATSON RD
EXIST. R/W
EXIST. ESMT

25L130534
4 CRESTWOOD EXECUTIVE CTR
N/F
EVEN DOZEN PROPERTIES L L C
DB 15595, PG 1831
NO ACQUISITION

25L130112
9730 E WATSON RD
N/F
9730 E WATSON RD LLC
DB 15549, PG 305
NO ACQUISITION

PLAN SHEET LEGEND
- EXISTING RIGHT-OF-WAY (EXIST. ROW)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY

PLAN SHEET
ROUTE 366
WATSON ROAD

SHEET 27 OF 73

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
07/29/2024 8:09:50 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED 7/26/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 31
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr., Ste 300
Chesterfield, Missouri 63017
636.240.2444
www.gbateam.com
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

SCALE
0 20 40 60

NOTE: EXISTING LINEWORK SHOWN IN THIS AREA REPRESENTS ONGOING CONSTRUCTION ASSOCIATED WITH THE CRESTWOOD CROSSING DEVELOPMENT (BY OTHERS) BUT SHOULD NOT BE CONSIDERED SURVEY.

MATCHLINE STA. 2111+00

MATCHLINE STA. 2115+00

54
25L140162
1 CRESTWOOD PLZ
N/F
CRESTWOOD MISSOURI PARTNERS LLC
DB 20992, PG 1438
SEE SHEET 35

10'x20' UNION ELEC CO
DB 16349, PG 2067
EXIST. GUY WIRE (UIP)
EXIST. SIGN TRUSS (R)
EXIST. PP (UIP)
EXIST. LIGHT POLE (UIP)
FUTURE ROW DEDICATION (BY OTHERS)
EXIST. LIGHT POLE (UIP)
10'x20' UNION ELEC CO
DB 6036, PG 117
(APPROX.LOCATION)
EXIST. CURB (UIP)
EXIST. GUY WIRE (UIP)
EXIST. GUY WIRE (UIP)
EXIST. PP (UIP)
2115
EXIST. R/W
EXIST. LIGHT POLE (UIP)
SR PERP RAMP
MSD# UNKNOWN (ATG)
NEW TYPE S CURB
EXIST. TELE. MH (UIP)
NEW TYPE B CURB AND GUTTER
2111+00
2112+00
CONST. ℄ RTE. 366
MILL/OVERLAY
2113+00
EXIST. MEDIAN (UIP)
PC STA 2113+66.71
2114+00
2115+00
MSD# 25L4-112D (ATG)
EXIST. PP (UIP)
EXIST. GUY WIRE (UIP)
+15.05
44.00 LT
+15.04
49.00 RT
90°
+52.48
49.00 RT
+52.43
44.00 RT
+77.78
44.00 RT
+77.74
49.00 RT
+21.86
49.00 RT
90°
+21.66
44.00 RT
SR PERP RAMP
+27.15
44.00 RT
EXIST. PP (UIP)
+42.15
47.00 RT
EXIST. CURB (UIP)
MSD# UNKNOWN (ATG)
EXIST. PP (UIP)
+10.00
+32.00
EXIST. PP (UIP)
EXIST. GUY WIRE (UIP)
MSD# 25L4-111D (ATG)
90° LOC. TAN.
TREES (R)
TREE (DND)
5' SIDEWALK T.C.E. (TYP.)
NEW 22'X8.5' BUS PAD STOP 8755
SR PERP RAMP
TREE (DND)
SR PERP RAMP
EXIST. SIGN (UIP)
EXIST. GAS VALVE (UIP)
DRWY STA. 2114+31 RT. 32' WIDE PAVED APPROACH (8") GRADE = 1.5% (5' ADA PATH) / 1.50% AT ℄
SR PERP RAMP
EXIST. LIGHT POLE (UIP)
EXIST. ESMT
DRWY STA. 2111+34 RT. 37' WIDE PAVED APPROACH (8") GRADE = 1.5% (5' ADA PATH) / 5.03% AT ℄
+51.73
+78.49
EXIST. ISLAND (MODIFY)
SR PERP RAMP
EXIST. TELE. MANHOLE (UIP)
DRWY STA. 2112+00 RT. 43' WIDE PAVED APPROACH (8") GRADE = 1.5% (5' ADA PATH) / 2.92% AT ℄
EXIST. PP (UIP)
+41.96
52.00 RT
TREES (DND)
EXIST. GUY WIRE (UIP)
TREE (DND)
P.H.E. (TYP.)
EXIST. LIGHT POLE (UIP)
MSD# UNKNOWN (ATG)
5' SIDEWALK (TYP.)
EXIST. WATER VALVE (ATG)
EXIST. WATER METER (UIP)
5' W. UNION ELEC ESMT PB 3693, PG 437
55
25L130141
9666 WATSON RD
N/F
AANASER INC
DB 21532, PG 574
567 SF T.C.E.
56
25L140074
9618 WATSON RD
N/F
MORNING GLORY L L C
DB 10846, PG 895
754 SF P.H.E.
1480 SF T.C.E.

PLAN SHEET LEGEND
- EXISTING RIGHT-OF-WAY (EXIST. ROW)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY

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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
07/29/2024 8:09:51 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	32

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr., Ste 300
Chesterfield, Missouri 63017
636.240.2444
www.gbateam.com
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SHEET 28 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

REV.

SCALE
0 20 40 60

NOTE: EXISTING LINEWORK SHOWN IN THIS AREA REPRESENTS ONGOING CONSTRUCTION ASSOCIATED WITH THE CRESTWOOD CROSSING DEVELOPMENT (BY OTHERS) BUT SHOULD NOT BE CONSIDERED SURVEY.

54
25L140162
1 CRESTWOOD PLZ
N/F
CRESTWOOD MISSOURI PARTNERS LLC
DB 20992, PG 1438
SEE SHEET 35

DISCLAIMER
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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
07/29/2024 8:09:51 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED 7/26/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 33
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION | DATE

MATCHLINE STA. 2115+00
MATCHLINE STA. 2120+50
POT STA 3+50.00
CRESTWOOD CROSSING (WEST ENTRANCE)
EXIST. 10'W LACLEDE GAS CO ESMT BK 7590, PG 745
EXIST. 10'W MSD ESMT DOC 2022042100453
SIGNAL IMPROVEMENTS BY OTHERS
EXIST. MH (UIP)
EXIST. STORM MH (UIP)
EXIST. LIGHT POLE (UIP)
MSD# 25L4-119D (UIP)
6247/287
6290/2305
STATE OF MO
DRAIN ESMT
EXIST. CURB (UIP)
FUTURE ROW DEDICATION (BY OTHERS)
EXIST. R/W
MSD# 25L4-125D (ATG)
MSD# 25L4-124D (ATG)
LR PERP RAMP
EXIST. GAS VALVE (UIP)
EXIST. ISLAND (UIP)
EXIST. MEDIAN (UIP)
EXIST. STORM INLET (UIP)
EXIST. WATER VALVE (UIP)
MSD# 25L4-114D (ATG)
PC STA 4+38.99
PCC STA 5+00.00
CONST. ℄ RTE. 366
EXIST. MEDIAN (UIP)
EXIST. STORM MH (UIP)
MSD# UNKNOWN (ATG)
EXIST. STORM MH (ATG)
EXIST. GAS VALVE (ATG)
MILL/OVERLAY
EXIST. TELE. MH (UIP)
MSD# 25L4-113D (ATG)
EXIST. WATER VALVE (UIP)
MSD# 25L4-120D (ATG)
EXIST. CURB (UIP)
EXIST. SIDEWALK (UIP)
EXIST. PP (UIP)
T.C.E. (TYP.)
EXIST. GUY WIRE (UIP)
EXIST. BUSHES & LANDSCAPING (DND)
SR PERP RAMP
DRWY STA. 2115+17 RT. 33' WIDE PAVED APPROACH (8") GRADE = 1.5% (5' ADA PATH) / 1.02% AT ℄
BUSHES (R)
BUSHES (DND)
TREES (DND)
EXIST. SIGN (UIP)
EXIST. LIGHT POLE (UIP)
EXIST. CURB (UIP)
EXIST. GUY WIRE (UIP)
EXIST. HYDRANT (UIP)
SR PERP RAMP
EXIST. PP (UIP)
P.H.E. (TYP.)
PT STA 5+59.12
OLD SAPPINGTON RD
EXIST. R/W
POT STA 7+00.00
EXIST. TELE. MH (UIP)
EXIST. 6'W SDWK ESMT TO CITY OF CRESTWOOD PB 7038, PG 2465
EXIST. 10'W UTIL ESMT PB 359, PG 34
EX 10'W ESMT TO STATE OF MO PB 359, PG 34
MSD# UNKNOWN (ATG)
ISLAND CUT-THROUGH
DRWY STA. 2120+02 RT. 38' WIDE PAVED APPROACH (8") GRADE = 1.50% (6' ADA PATH) / 2.80% AT ℄
EXIST. ACCESS & UTIL ESMT PB 359, PG 34

57
25L140571
9600 WATSON RD
N/F
9600 WATSON ROAD LLC
DB 20944, PG 828
326 SF P.H.E.
911 SF T.C.E.

58
25L140636
9560 WATSON RD
N/F
CH RETAIL FUND I
ST LOUIS SAPPINGTON
DB 21648, PG 1703
2068 SF T.C.E.

NOTE: EXISTING LINEWORK SHOWN IN THIS AREA REPRESENTS ONGOING CONSTRUCTION ASSOCIATED WITH THE CRESTWOOD CROSSING DEVELOPMENT (BY OTHERS) BUT SHOULD NOT BE CONSIDERED SURVEY.

PLAN SHEET LEGEND
- EXISTING RIGHT-OF-WAY (EXIST. ROW)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY

SHEET 29 OF 73
PLAN SHEET
ROUTE 366
WATSON ROAD

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

SCALE
0 20 40 60

NOTE: EXISTING LINEWORK SHOWN IN THIS AREA REPRESENTS ONGOING CONSTRUCTION ASSOCIATED WITH THE CRESTWOOD CROSSING DEVELOPMENT (BY OTHERS) BUT SHOULD NOT BE CONSIDERED SURVEY.

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54
25L140162
1 CRESTWOOD PLZ
N/F
CRESTWOOD MISSOURI PARTNERS LLC
DB 20992, PG 1438
SEE SHEET 35

MATCHLINE STA. 2120+50

MSD# UNKNOWN (ATG)
EXIST. LIGHT POLE (UIP)
EXIST. GUY WIRE (UIP)
EXIST. PP (UIP)
EXIST. PP (UIP)
EXIST. 10'W MSD ESMT DOC 2022042100453
EXIST. CURB (UIP)
EXIST. LIGHT POLE (UIP)
EXIST. R/W
FUTURE ROW DEDICATION (BY OTHERS)
EXIST. HYDRANT (UIP)
EXIST. LIGHT POLE (UIP)
EXIST. WATER VALVE (UIP)
EXIST. TELE. MH (UIP)
MSD# UNKNOWN (ATG)
EXIST. WATER VALVE (UIP)
MSD# UNKNOWN (ATG)
EXIST. SIDEWALK (UIP)
EXIST. PP (UIP)
EXIST. MEDIAN (UIP)
MILL/OVERLAY
CONST. ℄ US 366
2121+00
2122+00
2123+00
2124+00
2125+00
2126+00
PT STA 2124+87.02
102.5°
LOG. TAN. 17.05
20.00 RT
+01.96 59.36 RT
+59.94 61.31 RT
+59.94 62.99 RT
+02.24 64.35 RT
+53.12 56.49 RT
+49.20 63.99 RT
+79.70 59.92 RT
+73.06 65.91 RT
6.05°
MSD# 25L4-166D (ATG)
EXIST. WATER VALVE (UIP)
EXIST. WATER VALVE (UIP)
EXIST. WATER VALVE (UIP)
EXIST. WATER VALVE (UIP)
EXIST. WATER METER (UIP)
EXIST. GAS VALVE (UIP)
EXIST. GAS VALVE (UIP)
EXIST. HYDRANT (UIP)
EXIST. TELE. MH AND BALLARD (UIP)
SR PERP RAMP
MSD# UNKNOWN (ATG)
MSD# UNKNOWN (UIP) (PER MAP)
EX 10'W ESMT PB 326, PG 28
EXIST. CURB (UIP)
EXIST. WATER VALVE (UIP)
EXIST. PP (UIP)
TREE (R)
TREES (DND)
EXIST. R/W
EXIST. 10'W ESMT PB 326, PG 28
10'W UNION ELEC ESMT BK 10273, PG 1204
TREE (R)
TREE (DND)
EXIST. PP (UIP)
5' SIDEWALK (TYP.)
EXIST. GUY WIRE (UIP)
SR PERP RAMP
EXIST. PP (UIP)
EXIST. GUY WIRE (UIP)
EXIST. LIGHT POLE (UIP)
EXIST. SIDEWALK (UIP)
EXIST. LIGHT POLE (UIP)
LR PERP RAMP
5' SIDEWALK T.C.E. (TYP.)
LR PERP RAMP
EXIST. R/W
EXIST. PP (UIP)
EXIST. GUY WIRE (UIP)
EXIST. HYDRANT (UIP)
DRWY STA. 2121+68 RT. NO IMPROVEMENTS
DRWY STA. 2125+15 RT. 20' WIDE PAVED APPROACH (8") GRADE = -1.5% (5' ADA PATH) / 1.50% AT ℄
10'W ST. LOUIS WATER CO ESMT BK 10308, PG 1324
15'W UNION ELEC ESMT BK 19635, PG 1832
10'W ESMT PB 326, PG 28
10'W ST. LOUIS WATER CO ESMT BK 10308, PG 1324

59
25L140645
9550 WATSON RD
N/F
FIRST COMMUNITY CREDIT UNION
DB 22066, PG 1948
1846 SF T.C.E.

60
25L140562
9540 WATSON RD
N/F
MCW R D CRESTWOOD COMMONS LLC
DB 17647, PG 2396
4229 SF T.C.E.

MATCHLINE STA. 2126+00

PLAN SHEET LEGEND
- EXISTING RIGHT-OF-WAY (EXIST. ROW)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY

PLAN SHEET

ROUTE 366
WATSON ROAD

SHEET 30 OF 73

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
07/29/2024 8:09:52 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED 7/26/2024
MO ROUTE 366
STATE MO
DISTRICT SL
SHEET NO. 34
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION
DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr., Ste 300
Chesterfield, Missouri 63017
636.240.2444
www.gbateam.com
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

SCALE
0 20 40 60

NOTE: EXISTING LINEWORK SHOWN IN THIS AREA REPRESENTS ONGOING CONSTRUCTION ASSOCIATED WITH THE CRESTWOOD CROSSING DEVELOPMENT (BY OTHERS) BUT SHOULD NOT BE CONSIDERED SURVEY

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED 8/2/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 35
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
REV.

54
25L140654
1 CRESTWOOD PLZ
N/F
DIERBERGS CRESTWOOD CROSSING LLC
3681 SF P.H.E.

℄ CRESTWOOD CROSSING CENTER ENTRANCE
EXIST. GAS ESM'T.
EXIST. SIGNAL ESM'T.
EXIST. MSD ESM'T.
EXIST. CURB (UIP)
MSD# 25L4-163D (UIP)
MSD# 25L4-164D (UIP)
EXIST. R/W
(PER MAP)
(UIP)
EXIST. MEDIAN (UIP)
MSD# 25L4-165D (UIP)
N 62° 31' 23" E
STA. 5+00.00 CRESTWOOD CT.= STA. 2128+16.89 RTE 366
CONST. ℄ RTE 366
80°15'41"
90°
MILL/OVERLAY
SR PERP RAMP
6' SIDEWALK
MSD# 25L4-167D (ATG)
EXIST. PP (UIP)
EXIST. SIGN (UIP)
EXIST. LIGHT (UIP)
MSD# 25L4-169D (ATG)
EXIST. PB (UIP)
MSD# 25L4-170D (UIP)
RELOCATED BUS STOP 8757
8.5'
+96.51
+28.95
5' SIDEWALK
MSD# 25L4-168D (UIP)
+60.96
EXIST. MODOT ESM'T.
EXIST. ELEC. ESM'T.
EXIST. SIGN (UIP)
T.C.E.
(DND)
LANDSCAPING (DND)
+76.10
+94.09
EXIST. INLET (UIP)
EXIST. LIGHT (DND)
EXIST. INLET (UIP)
EXIST. SIGN (UIP)
LR PERP RAMP
EXIST. MEDIAN (UIP)
MILL/OVERLAY LIMIT STA. 6+04.36
℄ CRESTWOOD COMMONS
EXIST. ESM'T.

DRWY
2129+10 RT.
30' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) / +4.6% AT CL

61
25L230111
9420 WATSON RD
N/F
9420 WATSON ROAD LLC
DB 17699, PG 5130
953 SF T.C.E.

60
SEE PREVIOUS SHEET

MATCHLINE STA. 2126+00
MATCHLINE STA. 2130+50
2127+00
2128+00
2129+00
2130+00
2130

PLAN SHEET LEGEND
- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

SHEET 31 OF 73
PLAN SHEET
ROUTE 366
WATSON ROAD

SCALE
0 20 40 60

PLAN SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

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NOTE: EXISTING LINEWORK SHOWN IN THIS AREA REPRESENTS ONGOING CONSTRUCTION ASSOCIATED WITH THE CRESTWOOD CROSSING DEVELOPMENT (BY OTHERS) BUT SHOULD NOT BE CONSIDERED SURVEY

54
SEE PREVIOUS SHEET

MATCHLINE STA. 2130+50

MATCHLINE STA. 2136+00

SIDEWALK IMPROVEMENTS ON LEFT SIDE OF WATSON BY OTHERS

EXIST. PP (UIP)
EXIST. WV (UIP)
EXIST. LIGHT (UIP)
EXIST. SIDEWALK (UIP)
EXIST. LIGHT (UIP)
P.H.E.
EXIST. R/W
EXIST. CURB (UIP)
EXIST. LIGHT (UIP)
MSD# 25L4-208D (ATG)
EXIST. ISLAND (R)
EXIST. RISER (UIP)
EXIST. PP (UIP)
EXIST. WV (UIP)
EXIST. FH (UIP)
2135
EXIST. MSD ESM'T.
EXIST. SIDEWALK (UIP)
EXIST. PP (UIP)
P.H.E.
EXIST. R/W
EXIST. CURB (UIP)
MSD# 25L1-015D (UIP)
(PER MAP)
2131+00
2132+00
2133+00
2134+00
2135+00
EXIST. MEDIAN (UIP)
CONST. ℄ RTE 366
N 62° 31' 23" E
EXIST. MEDIAN (UIP)
90°
MILL/OVERLAY
6' SIDEWALK
EXIST. PP (UIP)
EXIST. LIGHT (UIP)
+89.16
40.02 RT
+94.08
46.53 RT
EXIST. R/W
T1 PAR RAMP
EXIST. LANDSCAPING (R)
EXIST. GV (ATG)
LR PERP RAMP
R11'
R15'
R12'
R10'
LR PERP RAMP
EXIST. PP (UIP)
TYPE B C&G
EXIST. PB (ATG)
EXIST. GV (ATG)
LR PERP RAMP
6' SIDEWALK
T.C.E.
LR PERP RAMP
EXIST. PP (UIP)
EXIST. GUARDRAIL (UIP)
EXIST. LIGHT (UIP)
EXIST. BUS STOP 8757 (RELOC. WEST)
EXIST. RETAINING WALL AND FENCE (DND)
EXIST. WV (UIP)
LR PERP RAMP
EXIST. LIGHT (UIP)
EXIST. WV (UIP)
EXIST. PP (UIP)
T.C.E.
LANDSCAPING (DND)
EXIST. WV (ATG)
EXIST. FH (RELOC.)
P.H.E.
EXIST. PP (UIP)
T2 PAR RAMP
EXIST. PB (UIP)
EXIST. FH (UIP)
+94.86
53.11 RT
+26.50
46.63 RT
(DND)
(ATG)
(UIP)

DRWY
2131+08 RT.
25.5' WIDE PAVED APPROACH (8")
GRADE = -7.8% /
-1.5% (5' ADA PATH) AT CL

DRWY
2131+55 RT.
24.5' WIDE PAVED APPROACH (8")
GRADE = -1.5% (6' ADA PATH) /
-9.5% AT CL

DRWY
2133+30 RT.
26.5' WIDE PAVED APPROACH (8")
GRADE = -1.5% (6' ADA PATH) /
-8.0% / -19.5% AT CL

DRWY
2133+97 RT.
36.5' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) /
+8.9% AT CL

EXIST. GAS ESM'T.

61
SEE PREVIOUS SHEET

62
25L230076
9400 WATSON RD
N/F
FOREST VIEW DEVELOPMENT, LLC
DB 22086, PG 1937
203 SF T.C.E.

64
25L230102
9400 WATSON RD
N/F
LINDBERGH SCHOOLS
DB 23588, PG 1520
905 SF T.C.E.

65
25L230120
9300 WATSON RD
N/F
9300 WATSON LLC
DB 21836, PG 2123
800 SF T.C.E.

66
25L230186
9282 WATSON RD
N/F
JTS PROPERTY LLC
DB 22800, PG 2062
337 SF P.H.E.
1382 SF T.C.E.

SHEET 32 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED: 8/2/2024
MO ROUTE: 366
STATE: MO
DISTRICT: SL
SHEET NO.: 36
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

SCALE
0 20 40 60

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED: 8/2/2024
MO ROUTE: 366 | STATE: MO
DISTRICT: SL | SHEET NO.: 37
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
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REV.

54
SEE PREVIOUS SHEET

NOTE: EXISTING LINEWORK SHOWN IN THIS AREA REPRESENTS ONGOING CONSTRUCTION ASSOCIATED WITH THE CRESTWOOD CROSSING DEVELOPMENT (BY OTHERS) BUT SHOULD NOT BE CONSIDERED SURVEY

℄ CRESTWOOD CROSSING EAST ENTRANCE

70
25L510235
9201 WATSON RD
N/F
9201 MILLENNIUM CENTRE, LLC
DB 22138, PG 2984
587 SF P.H.E.
1094 SF T.C.E.

DRWY
2141+19 LT.
29.5' WIDE PAVED APPROACH (8")
GRADE = +1.5% (8.5' ADA PATH) / +5.6% AT CL

STA. 2136+00
STA. 2141+50
MATCHLINE STA. 2136+00
MATCHLINE STA. 2141+50

SIDEWALK IMPROVEMENTS ON LEFT SIDE OF WATSON BY OTHERS
EXIST. MSD ESM'T.
EXIST. ESM'T.
EXIST. WV (ATG)
MSD# 25L1-010D (UIP)
EXIST. SIDEWALK (UIP)
P.H.E.
EXIST. CURB (UIP)
MSD# 25L1-011D (UIP)
EXIST. R/W
EXIST. UTILITY ESM'T.
WALL (DND)
EXIST. LIGHT (DND)
6' SIDEWALK
EXIST. LIGHT (UIP)
EXIST. SIGNS (UIP)
EXIST. SIGNS (UIP)
MSD# 25L1-125D (ATG)
T.C.E.
T1 PAR RAMP
LR PERP RAMP
EXIST. WALL (UIP)
EXIST. FH (UIP)
EXIST. WV (ATG)
TYPE B C&G
EXIST. MEDIAN (UIP)
CONST. ℄ RTE 366
STA. 5+00.00 CRESTWOOD CT.= STA. 2138+62.61 RTE 366
N 62° 31' 23" E
90°00'00"
EXIST. ISLAND (R)
EXIST. WV (UIP)
PROP. 6" RAISED ISLAND
EXIST. PP (UIP)
MSD# 25L1-009D (ATG)
EXIST. PB (ATG)
6' SIDEWALK
MSD# 25L1-014D (ATG)
6' SIDEWALK
EXIST. LIGHT (UIP)
LR PERP RAMP
+95.60 51.35 RT
+10.61
+10.79
MSD# 25L1-012D (UIP)
MILL/OVERLAY
MSD# 25L1-118D (UIP)
TYPE B C&G
LR PERP RAMP (MODIFIED)
EXIST. INLET (UIP)
TYPE B C&G
6' SIDEWALK
EXIST. PP (UIP)
TYPE B C&G
LR PERP RAMP
+99.20 44.94 RT
+81.20 44.86 RT
LR PERP RAMP
FH (UIP)
WV (UIP)
TREES (DND)
EXIST. BUS STOP B758 (INSTALL SHELTER PAD)
EXIST. SIGN (DND)
EXIST. FES (UIP)
MSD# 25L4-211D (ATG)
SIDEWALK BUMPOUT MIN. 4' BEHIND POLE
T1 PAR RAMP
EXIST. SIGN (UIP)
MSD# 25L1-013D (UIP)
LANDSCAPING (DND)
EXIST. SIGN (UIP)
EXIST. PP (UIP)
SIGNAL ESMT (BY OTHERS)
EXIST. CATCH BASIN (UIP)
EXIST. PB (ATG)
+92.89 57.08 RT
EXIST. SIGN (UIP)
EXIST. MAILBOX (DND)
EXIST. PP (UIP)
EXIST. INLET (UIP)

DRWY
2136+65 RT.
40' WIDE PAVED APPROACH (8")
GRADE = +1.5% (22.8' ADA PATH)
AT CL

68
25L230197
9222 WATSON RD
N/F
CHIPPEWA LOFT, LLC
DB 21908, PG 784
26 SF P.H.E.
2424 SF T.C.E.

℄ CRESTVIEW PLAZA

DRWY
2140+27 RT.
29.5' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) / +7.8% AT CL

69
25L510224
9206 WATSON RD
N/F
REALTY INCOME PROPERTIES 17, LLC
DB 23104, PG 922
2283 SF T.C.E.

DRWY
2141+41 RT.
29' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) / +7.0% / +8.0% AT CL

PLAN SHEET LEGEND
- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

SHEET 33 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

SCALE
0 20 40 60

72
25L510246
9177 WATSON RD
N/F
DEVMAR PARTNERS, LLC
DB 22658, PG 2587
1285 SF T.C.E.

℄ WATSON INDUSTRIAL PARK DR.

WATSON INDUSTRIAL PARK DR.
2145+66 LT.
49' WIDE 8.5" PCC PAVEMENT
GRADE = -5.0 / -1.5% (6' ADA PATH) /
-5.4% AT ℄

73
25L520454
9147 WATSON RD
N/F
MCD PROPERTY, LLC
DB 23504, PG 3727
610 SF T.C.E.

74
SEE NEXT SHEET

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED 8/2/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 38
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
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MATCHLINE STA. 2141+50

MATCHLINE STA. 2147+00

EXIST. UTILITY ESM'T.

DRWY
2143+71 LT.
39' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) /
+9.1% AT CL

DRWY
2144+38 LT.
48.5' WIDE PAVED
APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) /
+4.5% AT CL

EXIST. GUARDRAIL (UIP)
EXIST. WALL (UIP)
SR PERP RAMP
EXIST. ESM'T.
EXIST. SIGN (DND) +45.70 46.32 LT
EXIST. R/W
EXIST. FH (UIP)
SR PERP RAMP +01.87 41.32 LT
6" WM (BO)
RELOCATED BUS STOP 8726
TREES (DND) +64.26 44.61 LT
TREES (DND) +98.06 46.32 LT
+46.26 44.60 LT
EXIST. INLET (UIP)
EXIST. INLET (UIP)
EXIST. PP (UIP)
EXIST. WV (UIP)
LR PERP RAMP
EXIST. LIGHT (UIP)
GUY POLE (UIP)
MSD# 25L2-031D (ATG)
EXIST. LANDSCAPING (DND)
+45.60 52.96 LT
T.C.E.
EXIST. R/W
6' SIDEWALK
TYPE B C&G
MSD# 25L2-022D (ATG)
LR PERP RAMP
MSD# 25L2-030D (ATG)
CONST. ℄ RTE 366
TYPE B C&G
6' SIDEWALK
EXIST. MEDIAN (MODIFY)
+16.42 42.16 LT
+43.10 41.32 LT
MSD# 25L2-023D (ATG)
94°34'00"
SEE SIGNAL PLANS FOR SIGNAL RELATED ITEMS
+21.91 35.58 LT
+26.91 35.60 LT
T2 PAR RAMP
EXIST. WV (UIP)
6' SIDEWALK
TYPE B C&G
EXIST. MEDIAN (R)
EXIST. MEDIAN (UIP)
2142+00
2143+00
2144+00
2145+00
2146+00
90°
N 62° 31' 23" E
STA. 5+00.00 BROOKVIEW DR.=
STA. 2145+65.59 RTE 366
8" WM (BO)
EXIST. PB (ATG)
EXIST. WV (ATG)
EXIST. FH (UIP)
6' SIDEWALK
MILL/OVERLAY
EXIST. PP (UIP)
WALL (DND)
TYPE B C&G
MSD# 25L2-036D (ATG)
EXIST. MANHOLE (ATG)
LR PERP RAMP
LR PERP RAMP TYPE B C&G
MSD# 25L1-126D (UIP)
R-20'
EXIST. R/W
T.C.E.
TREES (DND)
EXIST. PP (UIP)
MSD# 25L1-127D (UIP)
EXIST. LIGHT (UIP)
TREE (DND)
WALL (DND)
WALL (DND)
EXIST. SIDEWALK (UIP)
EXIST. INLET (UIP)
(DND) MSD# 25L2-025D (UIP)
EXIST. R/W
LR PERP RAMP (MODIFIED)
MSD# 25L2-161D (UIP)
WALL (UIP)
+58.72 44.91 RT
T2 PAR RAMP
+76.72 44.90 RT
EXIST. BU (INSTALL
EXIST SHELTER (RBO)
EXIST PAD (R)
20" WM (BO)
EXIST. PP (UIP)
LANDSCAPE AREA (DND)
EXIST. FH (UIP)
8" WM (BO)
℄ BROOKVIEW DR.
Brookview Dr.
2145+66 RT.
29.5' WIDE 8.5" PCC PAVEMENT
GRADE = -4.0% / -1.5% (6' ADA PATH) /
-4.8% AT ℄
EXIST. INLET (UIP)
EXIST. INLET (UIP)
EXIST. R/W

71
25L520751
9200 WATSON RD
N/F
ROESLEIN & DICKMANN PROPERTIES, LLC
DB 10921, PG 1183
1943 SF T.C.E.

25L520740
9120 WATSON RD
N/F
FREUND, JOSEPH
DB 11918, PG 2251
NO ACQUISITION

SHEET 34 OF 73

PLAN SHEET LEGEND
- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

PLAN SHEET

ROUTE 366
WATSON ROAD

23MSD-00395 : BASEMAPS 25N, 25M, 25L, 24-25K, 23-24J
L:\MoDOT\21040901-00\Draw\Roadway\Sheets\038_PS_J6S3582_i20.dgn
8/2/2024
REV.

SCALE
0 20 40 60

74
25L520267
9111 WATSON RD
N/F
SAPPINGTON, JOHN JACK ETAL
DB N/A, PG N/A
200 SF T.C.E.
NO GRAVES SHALL BE DISTURBED

25L520630
9109 WATSON RD
N/F
SUITS U 9109, LLC
DB 23048, PG 3506
NO ACQUISITION

77
25L520652
9031 WATSON RD
N/F
CRESTWOOD SQUARE ASSOCIATES, LP
DB 8251, PG 684
1724 SF T.C.E.

DISCLAIMER
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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DRWY
2148+04 LT.
40.5' WIDE PAVED APPROACH (8")
GRADE = +1.5% (ADA PATH) AT CL

DRWY
2150+68 LT.
30' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) / +4.1% AT CL

MATCHLINE STA. 2147+00

MATCHLINE STA. 2152+00

TREES (DND)
EXIST. STAIRS (UIP) (DND)
EXIST. BUS STOP (R & R)
LR PERP RAMP
EXIST. R/W
EXIST. WV (UIP)
TYPE B C&G
6' SIDEWALK
(TBA)
EXIST. LIGHT (UIP)
MSD# 25L2-023D (ATG)
STA. 5+00.00 BROOKVIEW DR. = STA. 2147+86.45 RTE 366
MSD# 25L2-032D (ATG)
MILL/OVERLAY LIMITS
EXIST. MEDIAN R&R)
2148+00
2149+00
2150+00
2151+00
90°
90°00'00"
MILL/OVERLAY
LR PERP RAMP
TYPE B C&G
6' SIDEWALK
(UIP)
R 20'
R 15'
(ATG)
TYPE B C&G
LR PERP RAMP
TYPE C CWET (1)
CONCRETE APPROACH PAVEMENT
BRIDGE APPROACH SLAB
(TBA)
N 62° 31' 23" E
PROPOSED BRIDGE #A9260 (REMOVE EXIST. BRIDGE #J0228)
FES 14
EXIST. FES (R)
TREE (R)
EXIST. GUARDRAIL (R)
20" WM (BO)
EXIST. 24" PIPE (R)
24" PIPE
(UIP)
GI 1
R 10'
R 11.5'
6' SIDEWALK
LR PERP RAMP
12" PIPE
GI 2
15" PIPE
MH 3
+30.56
35.80 RT
+25.65
35.88 RT
TYPE B C&G
6' SIDEWALK
12" PIPE
(TBA)
+94.80
35.39 RT
R 20'
LR PERP RAMP
EXIST. LIGHT (UIP)
MSD# 25L2-080S (UIP)
20" WM (BO)
MSD# 25L2-026D (UIP)
EXIST. MANHOLE (UIP)
EXIST. INLET (UIP)
EXIST. SIGN (UIP)
EXIST. LIGHT (R&R, BO)
EXIST. INLET (UIP)
EXIST. R/W
MSD# 25L2-220S (UIP)
T.C.E.
EXIST. FES (UIP)
LANDSCAPING (DND)
MILL/OVERLAY LIMIT STA. 5+62.55
EXIST. SIGN (DND)
EXIST. WALL (DND)
LANDSCAPING (DND)
DRWY
2148+53 RT.
33' WIDE PAVED APPROACH (8")
GRADE = -1.5% (6' ADA PATH) / -9.5% AT CL
EXIST. GUARDRAIL (UIP)
EXIST. R/W
℄ BROOKVIEW DR.
DRWY
2150+63 RT.
33' WIDE PAVED APPROACH (8")
GRADE = -1.5% (6' ADA PATH) / -2.7% AT CL
LANDSCAPING & SIGN (DND)
DRWY
2151+60 RT.
35.5' WIDE PAVED APPROACH (8")
GRADE = -1.5% (6' ADA PATH) / -2.7% AT CL
TYPE S CURB
LANDSCAPING (DND)

EXIST. MSD ESM'T.
ROCK BLANKET
MSD# 25L2-211S (UIP)
T.C.E. (DND)
2150
EXIST. INLET (R)
FES 13
MH 60
EXIST. R/W
EXIST. 15" PIPE (UIP)
EXIST. SIGN (UIP)
MSD# 25L2-033D (UIP)
MSD# 25L2-027D (ATG)
LR PERP RAMP
(ATG)
EXIST. OUTLET (R)
EXIST. GAS LINE (DND)
FES 15
EXIST. PP (R&R)
MSD# 25L2-222S (UIP)
MSD# 25L2-221S (UIP)
ROCK BLANKET
36" PIPE
EXIST. GUARDRAIL
TYPE S CURB
+83.21
65.01 LT
+52.58
60.73 LT
R 30'
LR PERP RAMP
EXIST. INLET (CONVERT TO MH)
+13.18
35.15 LT
MH 5
EXIST. R/W
MSD# 25L2-082S (UIP)
EXIST. 36" PIPE (R)
12" PIPE
GI 4
LR PERP RAMP
+27.58
36.00 LT
6' SIDEWALK
TYPE C CWET (1)
MILL/OVERLAY LIMITS
TYPE B C&G
6' SIDEWALK
(UIP)
CONST. ℄ RTE 366
FULL DEPTH PAVEMENT (SEE PROFILE SHEET)
MILL/OVERLAY
90°
R 20'

75
25L520355
9100 WATSON RD
N/F
CRESTPOINTE LLC
DB 16455, PG 2881
555 SF T.C.E.

76
25L520696
9052 WATSON RD
N/F
NANAPA, LLC
DB 19980, PG 1
968 SF T.C.E.

(1) CRASH CUSHION NOTE: HEIGHT OF CURB IN FRONT OF TYPE C CWET SHALL NOT EXCEED 4 IN.

PLAN SHEET LEGEND
- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

DATE PREPARED: 8/2/2024
MO ROUTE: 366
STATE: MO
DISTRICT: SL
SHEET NO.: 39
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
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SHEET 35 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

REV.

SCALE
0 20 40 60

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CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED 8/2/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 40
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
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ENGINEERING CORPORATION - 000631
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77
SEE PREVIOUS SHEET

MATCHLINE STA. 2152+00

MATCHLINE STA. 2157+50

℄ PARDEE LN.

EXIST. R/W

T.C.E.

6' SIDEWALK

T2 PAR RAMP

MSD# 25L2-034D (UIP)

MSD# 25L2-084S (UIP)

MSD# 25L2-028D (UIP)

EXIST. BUS STOP 8726 (RELOCATE WEST)

EXIST. MEDIAN (R&R)

CONST. ℄ RTE 366

SEE SIGNAL PLANS FOR SIGNAL RELATED ITEMS

GI 3

TYPE B C&G

6'SIDEWALK

LR PERP RAMP

+78.58 35.77 RT

R 11.5'

20" WM (BO)

MSD# 25L2-039D (UIP)

EXIST. R/W

TYPE S CURB

T.C.E.

T.C.E.

LANDSCAPING (DND)

76
SEE PREVIOUS SHEET

MSD# 25L2-086S (UIP)

MSD# 25L2-260S (UIP)

EXIST. PP (UIP)

EXIST. R/W

MSD# 25L2-085S (UIP)

EXIST. ISLAND (R)

5' SIDEWALK

EXIST. ISLAND (MODIFY)

6' SIDEWALK

PROP. 6" RAISED ISLAND

EXIST. ISLAND (UIP)

STA. 5+00.00 PARDEE LN. =
STA. 2154+18.28 RTE 366

73°29'0"

6' SIDEWALK

PROP. 6" RAISED ISLAND

LR PERP RAMP

T1 PAR RAMP

+09.76 50.12 RT

+82.77 64.21 RT

LR PERP RAMP

+09.83 53.97 RT

5' SIDEWALK

BUILDING (DND)
DRWY
2153+07 RT.
34' WIDE PAVED APPROACH (8")
GRADE = +0.9% (11.6' ADA PATH) / AT CL

BUSHES (DND)

SIDEWALK (UIP)

76A
25L520805
9044 WATSON RD
N/F
STURM, LAWRENCE J & ROSEMARY H/W
DB 17985, PG 1341
137 SF T.C.E.

25L520542
9044 WATSON RD R
N/F
CRESTWOOD CITY OF
DB 8345, PG 104
NO ACQUISITION

METROPOLITAN PARK & RECREATION DISTRICT
DB 16512, PG 2706
NO ACQUISITION

25L510356
9009 WATSON RD
N/F
METROPOLITAN PARK & RECREATION DISTRICT
DB 16512, PG 2706
NO ACQUISITION

25L520443
9005 WATSON RD
N/F
AUTOMOBILE CLUB OF MISSOURI
DB 20674, PG 513
DRWY NO ACQUISITION
2156+81 LT.
37' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) / +4.2% AT CL

EXIST. INLET (UIP)

MSD# 25L2-283D (UIP)

MSD# 25L (UIP)

MSD# 25L2-362D (UIP)

MSD# 25L2-035D (UIP)

EXIST. R/W

LR PERP RAMP

MSD# 25L2-071S (UIP)

MSD# 25L2-052D (UIP) (DND)

MSD# 25L2-0448D (UIP)

MSD# 25L2-051D (UIP)

TYPE B C&G

TYPE B C&G LR PERP RAMP

EXIST. LIGHT (UIP)

MSD# 25L2-029D (UIP)

6' SIDEWALK

EXIST. MEDIAN (UIP)

90°

MILL/OVERLAY

N 62° 31' 23" E

MSD# 25L2-064D (UIP)

EXIST. LIGHT (UIP)

6'SIDEWALK

LR PERP RAMP

MSD# 25L2-049D (ATG)

TYPE B C&G

LANDSCAPE AREA WITHIN SLOPE LIMITS (R)

MSD# 25L2-043D (UIP)

MSD#25L2-045D (ATG)

TREES (DND)

EXIST. R/W

25L610292
9030 WATSON RD
N/F
PSAF DEVELOPMENT PARTNERS LP
DB 11152, PG 2014
NO ACQUISITION

Pardee Ln.
2154+18 RT.
52' WIDE 8.5" PCC PAVEMENT
GRADE = -4.0 / -1.5% (6' ADA PATH) / -10.0% AT ℄

DRWY
2157+35 RT.
40' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6' ADA PATH) / +9.0% AT CL

25L610302
8971 PARDEE RD
N/F
METROPOLITAN PARK & RECREATION DISTRICT
DB 16512, PG 2706
NO ACQUISITION

2153+00 2154+00 2155+00 2156+00 2157+00

PLAN SHEET LEGEND
- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

PLAN SHEET

ROUTE 366
WATSON ROAD

SCALE
0 20 40 60

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CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED 8/2/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 41
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

MATCHLINE STA. 2157+50

MATCHLINE STA. 2162+25

℄ GRANT RD.

MILL/OVERLAY LIMIT STA. 3+20.03

25L630498
393 W OLD WATSON RD
N/F
MISSOURI FRIENDS OF THE SOCIETY OF ST PIUS X
DB 7152, PG 692
NO ACQUISITION

2160

EXIST. R/W

EXIST. WV (ATG)
EXIST. SIGN (DND)
MSD# 25L2-076S (UIP)
EXIST. GV (UIP)
EXIST. MANHOLE (UIP) (DND)
+78.34 44.34 LT
+96.34 44.26 LT
+86.93 57.41 LT
+83.33 52.99 LT
T2 PAR RAMP (UIP)
6' SIDEWALK
EXIST. INLET (UIP)
RELOCATED BUS STOP 8725
EXIST. MEDIAN (UIP)
5' SIDEWALK
PROP. 6" RAISED ISLAND
EXIST. ISLAND (R)
EXIST. MEDIAN (R)
+77.97 58.14 LT
+82.50 54.73 LT
EXIST. SIGN (RELOC.)
STA. 5+00.00 GRANT RD. = STA. 2159+26.45 RTE 366
EXIST. WV (UIP)
SEE SIGNAL PLANS FOR SIGNAL RELATED ITEMS
MSD# 25L2-072S (UIP)
MSD# 25L2-191D (UIP)
6' SIDEWALK
T2 PAR RAMP
EXIST. GV (UIP)
MSD# 25L2-058D (UIP)
MSD# 25L2-059D (UIP)
MSD# 25L2-073S (UIP)
EXIST. LIGHT (UIP)
MSD# 25L2047D(ATG)
EXIST. INLET (UIP)
EXIST. MANHOLE (UIP)
EXIST. R/W
EXIST. LIGHT (UIP)
6' SIDEWALK
MSD# 25L2-060D (ATG)
MSD# 25L2-062D (ATG)
EXIST. PP (UIP)
CONST. ℄ RTE 366
EXIST. MEDIAN (UIP)
2158+00
2159+00
2160+00
2161+00
2162+00
S 62° 31' 23" W
90°
PROP. 6" RAISED ISLAND
EXIST. ISLAND (R)
5' SIDEWALK
6' SIDEWALK
EXIST. LIGHT (UIP)
+09.96 57.40 RT
MSD# 25L2-046D (R&R)
EX 1
12" PIPE (R)
MSD# 25L2-054D (R)
12" PIPE
GI 6
TYPE B C&G
LR PERP RAMP
TYPE B C&G
EXIST. INLET (ATG)
+82.55
TREES (DND)
EXIST. R/W
DRWY 2158+21 RT. NO IMPROVEMENTS
T2 PAR RAMP
+14.51 60.40 RT
+12.64 53.68 RT
+09.19 58.30 RT
+28.78
TYPE B C&G
T2 PAR RAMP
EXIST. PB (UIP)
EXIST. SIGN (UIP)
EXIST. MEDIAN (R)
MILL/OVERLAY
EXIST. WV (UIP)
MSD# 25L2-057D (ATG)
EXIST. FH (UIP)
+00.71
+22.71
8.5'
TYPE B C&G
6' SIDEWALK
LR PERP RAMP (MODIFIED)
EXIST. R/W
T.C.E.
TREES (DND)
+49.44
EXIST. WV (UIP)
EXIST. SIGN (UIP)
RELOCATED BUS STOP 8761
MSD# 25L2-055D (UIP)
EXIST. PP (UIP)
EXIST. SIGN WITH LIGHT (UIP)
R 10'
DRWY 2161+92 RT. 39' WIDE PAVED APPROACH (8") GRADE = +1.5% (6.5' ADA) / 5.2% AT CL

25L610104
9010 WATSON RD
N/F
MORRISON, DERRIC A
DB 13584, PG 783
NO ACQUISITION

25L610247
9000 WATSON RD
N/F
STELMACH PROPERTIES LLC
DB 17550, PG 823
NO ACQUISITION

EXIST. R/W
MILL/OVERLAY LIMIT STA. 6+32.53

78
25L610137
8950 WATSON RD
N/F
CREST DEVELOPMENT CO
DB 6820, PG 873
1391 SF T.C.E.

PLAN SHEET LEGEND
- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

SHEET 37 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

SCALE
0 20 40 60

25L630586
8969 WATSON RD
N/F
NIRVANA, LLC
DB 23408, PG 2581
NO ACQUISITION

DRWY
2163+64 LT.
34.5' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) /
+6.5% AT CL

80
25L630597
8925 WATSON RD
N/F
DJH V, LLC
DB 22590, PG 1661
2235 SF T.C.E.

DRWY
2165+39 LT.
47' WIDE PAVED APPROACH (8")
GRADE = +3.5% /
+1.5% (5' ADA PATH) AT CL

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MATCHLINE STA. 2162+25

MATCHLINE STA. 2167+00

MSD# 25L2-180S (UIP)
MSD# 25L2-181S (UIP)
MSD# 25L2-178D (UIP)
EXIST. PP (UIP)
LANDSCAPE AREA (DND)
6' SIDEWALK
EXIST. R/W
(UIP)
(DND)
MSD# 25L2-179S (UIP)
MSD# 25L2-176D (UIP)
MSD# 25L2-170D (UIP)
MSD# 25L2-177D (UIP)
MSD# 25L2-169D (UIP)
LANDSCAPING (DND)
MSD# 25L2-0269S (UIP)
2165
SR PERP RAMP
(DND) 5' SIDEWALK
T.C.E.
6' SIDEWALK
EXIST. R/W
+51.97
38.16 LT
(R)
+18.32
44.34 LT
+14.85
38.31 LT
MSD# 25L2-065D (UIP)
MSD# 25L2-178S (UIP)
MSD# 25L2-177S (UIP)
WALL (DND)
LANDSCAPING (DND)
MSD# 25L2-176S (UIP)
MSD# 25L2-168D (UIP)
EXIST. SIGN (DND)
T.C.E.
TYPE A INTEGRAL CURB
EXIST. PP (UIP)
+73.71
44.79 LT
6' SIDEWALK
EXIST. R/W
(R)
T1 PAR RAMP
TYPE B C&G
EXIST. PP (UIP)
LR PERP RAMP
LR PERP RAMP
TYPE B C&G
EXIST. BUS STOP 8725
(RELOCATE WEST)
EXIST. LIGHT (RELOC.)
+79.85
38.32 LT
EXIST. MEDIAN (UIP)
2163+00
2164+00
CONST. ℄ RTE 366
2165+00
2166+00
90°
S 62° 31' 23" W
SP 7
+28.42
37.35 RT
12" PIPE
MSD# 25L2-061D (ATG)
LR PERP RAMP
R 15'
R 35'
EXIST. BUS STOP 8761
(RELOCATE WEST)
TYPE B C&G
EXIST. R/W
MH 8
EXIST. INLET
(CONVERT TO MANHOLE)
+94.67
59.47 RT
T.C.E.
(UIP)
(DND)
MILL/OVERLAY
EXIST. INLET (ATG)
+58.56
39.78 RT
6' SIDEWALK
+94.90
42.28 RT
PROP. 6" RAISED ISLAND
EXIST. ISLAND (R)
T1 PAR RAMP
+10.42
54.50 RT
+22.32
58.31 RT
+10.27
54.50 RT
6' SIDEWALK
TYPE B C&G
EXIST. R/W
EXIST. INLET (ATG)
EXIST. RISER (UIP)
T.C.E.
(DND)
(UIP)
EXIST. COMMUNICATIONS ESM'T.

DRWY
2162+71 RT.
55.5' WIDE PAVED APPROACH (8")
GRADE = -1.5% (6' ADA PATH) /
+1.1% AT CL

79
25L610335
1270 PRICE RD
N/F
WOHLFAHRT HOLDINGS, LLC
DB 23496, PG 1916
4675 SF T.C.E.

DRWY
2165+61 RT.
65' WIDE PAVED APPROACH (8")
GRADE = -3.5% /
-1.5% (6' ADA PATH) / -5.7% AT CL

PLAN SHEET LEGEND
- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	42

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
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REV.

SHEET 38 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

SCALE
0 20 40 60

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81
25L630553
8793 WATSON RD
N/F
GATEWAY RESOURCES MANAGEMENT, LLC
DB 17120, PG 2281
1975 SF T.C.E.

25L630102
8773 WATSON RD
N/F
LCWG OUTREACH, LLC
DB 13504, PG 1782
NO ACQUISITION

MATCHLINE STA. 2167+00

PC STA 2167+14.96

DRWY 2168+39 LT.
15' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) / +9.5% / +16.0% AT CL

DRWY 2169+27 LT.
34' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) / +8.3% AT CL

DRWY 2170+57 LT.
NO IMPROVEMENTS

MATCHLINE STA. 2172+00

MSD# 25L2-075S (UIP)
SIGN (DND)
LANDSCAPING (DND)
MSD# 25L2-0436D (UIP)
T.C.E.
TYPE A INTEGRAL CURB
6' SIDEWALK
EXIST. R/W
MSD# 25L2-068D (ATG)
LR PERP RAMP
EXIST. GV (ATG)
TYPE B C&G
2168+00
90°
EXIST. PP (UIP)
MSD# 25L2-155D (UIP)
LR PERP RAMP TREES (R)
2170
2169+00
CONST. ℄ RTE 366
MSD# 25L2-116S (UIP)
MSD# 25L2-160D (UIP)
MSD# 25L2-156D (UIP)
LR PERP RAMP
2170+00
2171+00
MILL/OVERLAY
EXIST. FH (UIP)
EXIST. PB (ATG)
EXIST. WV & WM(ATG)
+81.39
+91.51
R 20'
R 22'
EXIST. SIDEWALK ESM'T.
EXIST. FENCE (UIP)
SIDEWALK BUMPOUT
4' MIN. BEHIND FH
EXIST. WV (UIP)
EXIST. RET. WALL (UIP)
EXIST. PB (UIP)
LANDSCAPE AREA (DND)
TREES (DND)

79
SEE PREVIOUS SHEET

83
SEE NEXT SHEET

DRWY 2169+54 RT.
42' WIDE PAVED APPROACH (8")
GRADE = +1.0% (8.5' ADA PATH) AT CL

82
25L640750
8790 WATSON RD
N/F
EIGHTY-EIGHT HUNDRED WATSON ROAD, LLC
DB 17485, PG 4082
949 SF T.C.E.

PLAN SHEET LEGEND
- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED: 8/2/2024
MO ROUTE: 366
STATE: MO
DISTRICT: SL
SHEET NO.: 43
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
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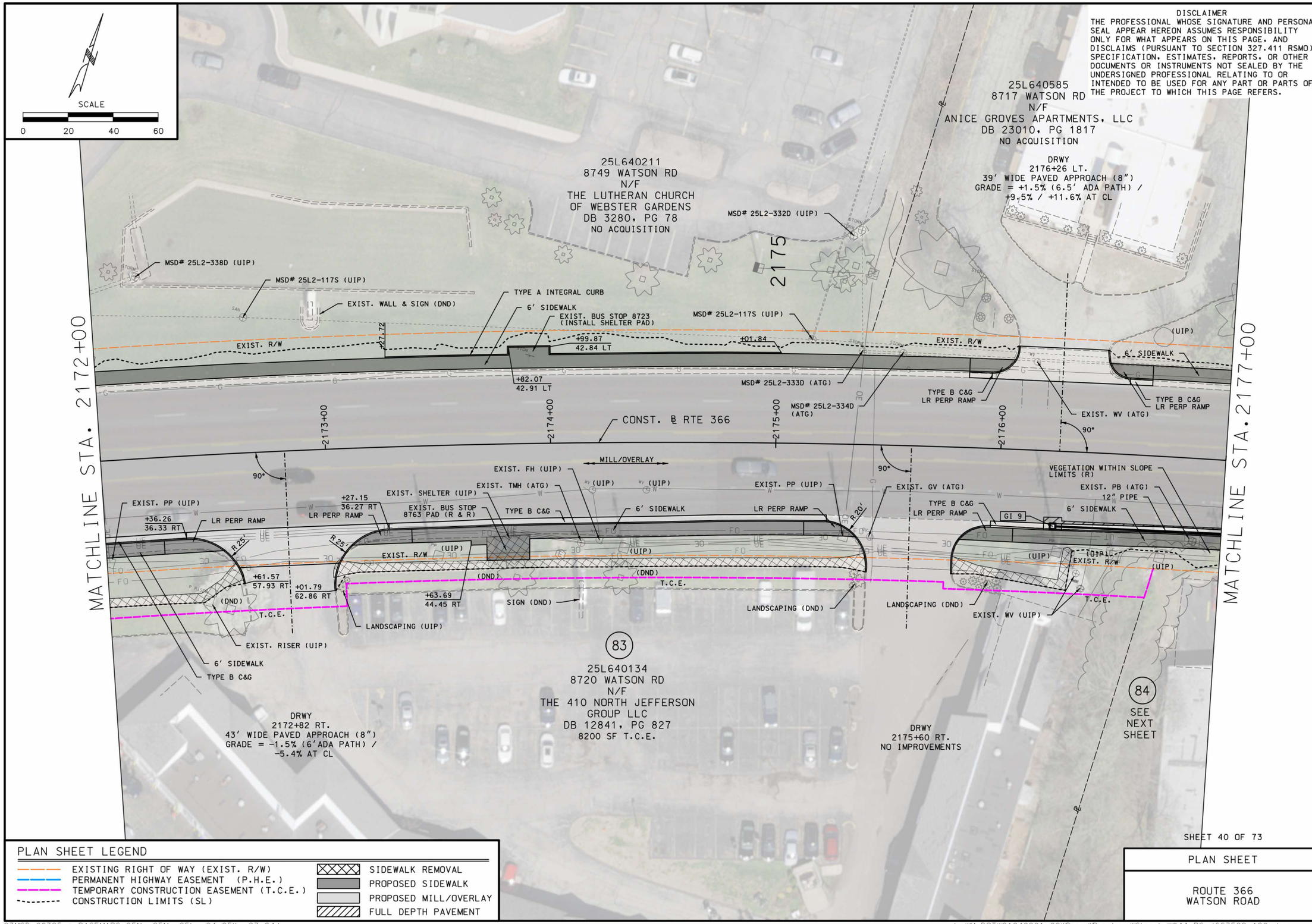
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

SHEET 39 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

REV.



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PLAN SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

SHEET 40 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED	
8/2/2024	
MO ROUTE 366	STATE MO
DISTRICT SL	SHEET NO. 44
COUNTY ST. LOUIS	
JOB NO. J6S3582	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
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CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

SCALE
0 20 40 60

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CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED: 8/2/2024
MO ROUTE: 366 | STATE: MO
DISTRICT: SL | SHEET NO.: 45
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION | DATE | REV.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
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MATCHLINE STA. 2177+00

25L640222
8711 WATSON RD
N/F
D J EXECUTIVE CENTER LLC
DB 14331, PG 2736
NO ACQUISITION

25L640596
8651 WATSON RD
N/F
ARSENAL CREDIT UNION - DMAAC
DB 7422, PG 1086
NO ACQUISITION

MATCHLINE STA. 2181+25

EXIST. ESM'T.
DRWY 2178+02 LT. 36.5' WIDE PAVED APPROACH (8") GRADE = -1.2% (ADA PATH) AT CL
DRWY 2178+90 LT. 30.5' WIDE PAVED APPROACH (8") GRADE = +1.0% (ADA PATH) AT CL
DRWY 2180+76 LT. 14.5' WIDE PAVED APPROACH (8") / GRADE = +1.5% (5.5 ADA PATH) / +4.3% AT CL
2180
LANDSCAPING (DND)
WALL (DND)
MSD# 25L2-152D (ATG)
MSD# 25L2-118S (UIP)
EXIST. CONCRETE (UIP)
EXIST. R/W
EXIST. INLET (ATG)
LR PERP RAMP
MSD# 25L2-120S (UIP)
MSD# 25L2-153D (UIP)
LANDSCAPING (DND)
EXIST. INLET (R&R)
CI 13
6' SIDEWALK
TYPE B C&G
EXIST. INLET (UIP)
EXIST. GV (ATG)
PT STA 2177+58.70
2178+00
2179+00
2180+00
2181+00
90°
CONST. ℄ RTE 366
N 78° 10' 43" E
STA. 5+00.00 BLACKHORN RD. = STA. 2180+79.84 RTE 366
90°00'00"
EXIST. PP (UIP)
VEGETATION WITHIN SLOPE LIMITS (R)
12" PIPE
MILL/OVERLAY
MOMENT SLAB SIDEWALK
SP 10
EXIST. PP (UIP)
+20.13
TYPE D BARRIER
PROP. MSE WALL
EXIST. FENCE & CONC. FLUME (R)
PROPOSED AMEREN DUCT BANK (BO)
EXIST. WV (UIP)
GI 11
AMEREN MH (ATG)
HANDRAILING
15" PIPE
FES 10
EXIST. R/W
ROCK FILL
OUTLET THROUGH WALL
2 CY ROCK LINING
P.H.E.
EXIST. 8'x6' BOX CULVERT (UIP)
T.C.E.
LR PERP RAMP (MODIFIED)
+31.42
EXIST. FENCE (UIP)
EXIST. PP (UIP)
MSD# 25L2-128S (UIP)
LANDSCAPING (UIP)
℄ BLACKTHORN RD.

84
25L640631
51 HEATHER DR
N/F
HEATHER DRIVE PROPERTIES, LLC
DB 14059, PG 2102
192 SF P.H.E.
512 SF T.C.E.

NOTE: CONTRACTOR SHALL COORDINATE WITH AMEREN TO PROVIDE LANE CLOSURE TRAFFIC CONTROL FOR AMEREN DUCT BANK WORK PRIOR TO WALL CONSTRUCTION. SEE UTILITY JSP FOR DETAILS.

85
25L640563
8700 WATSON RD
N/F
UNION ELECTRIC COMPANY
DB 3239, PG 87
48 SF P.H.E.
474 SF T.C.E.

Blackthorn Rd. SB
2180+62 RT.
21.5' WIDE 8.5" PCC PAVEMENT
GRADE = +1.3% (ADA PATH) AT CL

Blackthorn Rd. NB
2181+03 RT.
20' WIDE 8.5" PCC PAVEMENT
GRADE = +1.5% (6.5' ADA PATH) / -1.0% AT CL

PLAN SHEET LEGEND
- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

SHEET 41 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

SCALE
0 20 40 60

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	46

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
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ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
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REV.

MATCHLINE STA. 2181+25

MATCHLINE STA. 2185+75

25L640604
8641 WATSON RD
N/F
MAHER ENTERPRISE, LLC
DB 19295, PG 1771
NO ACQUISITION

25L640705
8631 WATSON RD
N/F
HILL, JAMES R & KATHLEEN H/W
DB 17290, PG 3887
NO ACQUISITION

25L640288
8627 WATSON RD
N/F
CAMPIERI, TANINA, TRUSTEE
DB 18099, PG 1063
NO ACQUISITION

25K430387
8623 WATSON RD
N/F
MATHIS FAMILY LIMITED PARTNERSHIP
DB 10130, PG 1320
NO ACQUISITION

25K430398
8609 WATSON RD
N/F
MATHES FAMILY LIMITED PARTNERSHIP
DB 10130, PG 1323
NO ACQUISITION

DRWY
2181+78 LT.
42.5' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) / +8.0% AT CL

DRWY
2182+48 LT.
56.5' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) / +3.5% AT CL

DRWY
2183+35 LT.
24' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) / +3.6% AT CL

EXIST. INLET (UIP)
DRWY
2183+99 LT.
34' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) / +8.7% AT CL

EXIST. LIGHT (UIP)
EXIST. INLET (UIP)
MSD# 25K1-062S (UIP)
EXIST. R/W
(UIP)
6' SIDEWALK
TYPE B C&G
EXIST. MEDIAN (UIP)
LR PERP RAMP
EXIST. LIGHT (UIP)

EXIST. INLET (UIP)
EXIST. LIGHT (OND)
LR PERP RAMP
EXIST. R/W
EXIST. INLET (UIP)
EXIST. GV (ATG)
EXIST. GV (UIP)
6' SIDEWALK
+11.98 35.38 LT
+76.23 46.37 LT
MH 15
12" PIPE
+86.33 36.35 LT
GI 14
+23.31 48.66 LT
EXIST. INLET (CONVERT TO MH)
EXIST. GV (UIP)
EXIST. INLET (UIP)
+11.37 36.58 LT
MH 16
EXIST. INLET (CONVERT TO MH)
+59.48 36.94 LT
+68.75 37.07 LT
+80.17 45.96 LT
+15.24 56.58 LT
+35.21 37.45 LT
R10' R8.8' R12' R20'
2182+00 2183+00 2184+00 2185+00
90°
CONST. RTE 366
N 78° 10' 43" E
MILL/OVERLAY

EXIST. INLET (ATG)
6' SIDEWALK
TYPE B C&G
EXIST. PB (ATG)
LR PERP RAMP
+84.51 38.95 RT
+44.50 38.97 RT
+95.65 43.61 RT
+32.75 41.93 RT
+88.21 45.64 RT
TYPE S CURB
T1 PAR CURB
EXIST. FENCE (DND)
EXIST. GV (ATG)
MILL/OVERLAY LIMITS
EXIST. PP (UIP)
EXIST. INLET (UIP)
LANDSCAPING (DND)
EXIST. LIGHT (UIP)
EXIST. R/W

DRWY
2181+65 RT.
41' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) / +9.0% AT CL

DRWY
2182+69 RT.
53' WIDE PAVED APPROACH (8")
GRADE = +0.7% (8.5' ADA PATH) AT CL

DRWY
2183+59 RT.
51.5' WIDE PAVED APPROACH (8")
GRADE = -1.5% (6' ADA PATH) / -4.7% AT CL

DRWY
2185+12 RT.
NO IMPROVEMENTS

25L640815
8654 WATSON RD
N/F
KING EDWARDS CHICKEN & FISH
DB 21644, PG 2439
NO ACQUISITION

25L640772
8650 WATSON RD A
25L640761
8650 WATSON RD
N/F
ARADO HOLDINGS, LLC &
M T SCHIELE AUTO REPAIR, LLC
DB 19028, PG 2296
NO ACQUISITION

25K430871
8600 WATSON RD
N/F
SPIRIT ENERGY, LLC
DB 14390, PG 1541
NO ACQUISITION

PLAN SHEET LEGEND
- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

SHEET 42 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

SCALE
0 20 40 60

PLAN SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

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STA. 2185+75

MATCHLINE STA. 2190+25

STA. 5+00.00 S. ELM AVE.
STA. 2186+63.70 RTE 366

MILL/OVERLAY LIMIT STA. 3+50.71

MILL/OVERLAY LIMIT STA. 6+65.60

℄ ELM AVE.

CONST. ℄ RTE 366

MSD# 25K1-060S (UIP)
MSD# 25K1-058S (UIP)
MSD# 25K1-101D (UIP)
MSD# 25K1-103D (UIP)
MSD# 25K1-061S (UIP)
MSD# 25K1-104D (UIP)
MSD# 25K1-310D (UIP)
MSD# 25K1-312D (UIP)
MSD# 25K1-102D (CONVERT TO CI)
MSD# 25K1-122D (CONVERT TO MH)
MSD# 25K1-118D (UIP)
MSD# 25K1-068S (UIP)
MSD# 25K1-127D (UIP)
MSD# 25K1-130D (UIP)
MSD# 25K1-069S (UIP)
MSD# 25K1-066S (UIP)
MSD# 25K1-116D (ATG)
MSD# 25K1-114D (ATG)
MSD# 25K1-113D (ATG)
MSD# 25K1-126D (UIP)

DRWY
2189+53 LT.
47' WIDE PAVED APPROACH (8")
GRADE = +1.5% (ADA PATH) AT CL

25K430833
8571 WATSON RD
N/F
WG DST 3
DB 21358, PG 2358
NO ACQUISITION

25K430824
8570 WATSON RD
N/F
HOFFMAN, YVONNE ETAL
DB 20706, PG 189
297 SF T.C.E.

25K431014
8514 TITCHFIELD CT
N/F
WATSON ELM PROPERTY, LLC
DB 23680, PG 474
NO ACQUISITION

25K430552
8562 WATSON RD
N/F
A C WATSON, LLC
DB 16071, PG 2979
NO ACQUISITION

25K430541
8556 WATSON RD
N/F
BOCCARDI, JOSEPH S & MARGARET H/W
DB 10730, PG 2219
NO ACQUISITION

86

SEE SIGNAL PLANS FOR SIGNAL RELATED ITEMS

EXIST. WV (ATG)
T1 PAR RAMP
T2 PAR RAMP
18" PIPE (UIP)
LANDSCAPING (DND)
6' SIDEWALK
EXIST. MEDIAN (UIP)
EXIST. WV (UIP)
EXIST. FH (UIP)
EXIST. BUS STOP 8765 (REMOVE PAD)
LR PERP RAMP
TYPE B C&G
EXIST. ISLAND (UIP)
EXIST. ENTRANCE (R)
EXIST. PP (UIP)
EXIST. GV (UIP)
EXIST. LIGHT (UIP)
EXIST. PB(UIP)
EXIST. SIGN (DND)
EXIST. INLET (UIP)
EXIST. INLET (R&R)
EXIST. R/W
EXIST. ESMT.
12" PIPE
LANDSCAPING WITHIN SLOPE LIMITS (R)
MILL/OVERLAY
MILL/OVERLAY LIMITS

SP 18
SP 19
SP 20
CI 21
MH 17
EX 2
GI 24

+52.90 70.84 LT
+59.49 70.08 LT
+04.48 64.87 LT
+06.57 56.82 LT
+56.79 63.34 LT
+16.94 38.37 LT
+20.54 42.20 LT
+26.36 39.89 LT
+11.16 64.10 LT
+32.76 57.18 LT
+72.46 56.65 LT
+12.75 37.16 LT
+92.42 36.90 LT
+11.95
+16.95
+38.89 29.01 RT
+61.48 38.53 RT
+78.16 52.11 RT
+54.48 38.67 RT
+06.70 57.89 RT

R 45'
R 30'
R 20'
R 15'
R 10'
R 12'
R 5'

77°26'3"
N 78° 10' 43" E
90°

2186+00
2187+00
2188+00
2189+00
2190+00

T.C.E.

50' WIDE PAVED APPROACH (8") GRADE = -1.5% (6' ADA PATH) / +1.5% AT CL
DRWY 2188+03 RT.

29' WIDE PAVED APPROACH (8") GRADE = +1.0% (6.5' ADA PATH) / +6.9% AT CL
DRWY 2188+64 RT.

29' WIDE PAVED APPROACH (8") GRADE = -1.5% (6' ADA PATH) / +2.0% AT CL
DRWY 2189+38 RT.

29.5' WIDE PAVED APPROACH (8") GRADE = -1.5% (6' ADA PATH) / +2.1% AT CL
DRWY 2189+90 RT.

SHEET 43 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED: 8/2/2024
MO ROUTE: 366
STATE: MO
DISTRICT: SL
SHEET NO.: 47
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
REV.

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SCALE
0 20 40 60

PLAN SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

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Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED: 8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	48

COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
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REV.

MATCHLINE STA. 2190+25

MATCHLINE STA. 2195+50

25K430842
8567 WATSON RD
N/F
SCANLON HOLDINGS LLC
DB 23846, PG 4777
NO ACQUISITION

25K430431
8563 WATSON RD
N/F
NATIONAL RETAIL PROPERTIES LP
DB 22996, PG 634
NO ACQUISITION

DRWY 2191+29 LT.
44' WIDE PAVED APPROACH (8")
GRADE = +1.6% (ADA PATH) AT CL

DRWY 2192+10 LT.
NO IMPROVEMENTS

DRWY 2193+71 LT.
NO IMPROVEMENTS

MSD# 25K1-105D (UIP)
EXIST. PP (UIP) +70.95 44.88 LT
+63.95 44.94 LT
+11.55 55.82 LT
+91.18 36.05 LT
R 20'
EXIST. BUS STOP 8721 & SHELTER (UIP)
TYPE B C&G
6' SIDEWALK
LR PERP RAMP
EXIST. R/W
MSD# 25K1-106D (UIP)
MSD# 25K1-059S (UIP)
6' SIDEWALK
TYPE B C&G
EXIST. INLET (UIP)
LR PERP RAMP 6' SIDEWALK
TYPE B C&G
2195
MILL/OVERLAY LIMITS

2191+00
2192+00
2193+00
2194+00
2195+00
90°
CONST. ℄ RTE 366
N 78° 10' 43" E

MILL/OVERLAY
EX. PIPE (R) AND GROUT AT EXIST. STRUCTURE
MSD# 25K1-064S (UIP)
TYPE B C&G
GI 25
EXIST. SIGN (UIP)
12" PIPE
R 14'
R 12'
R 18'
LR PERP RAMP
MH 26
MSD# 25K1-111D (CONVERT TO MH)
EX 3
MSD# 25K1-112D (R&R)
MSD# 25K1-065S (UIP)
EXIST. INLET (UIP)
EXIST. R/W
R 15'
R 11'
MSD# 25K1-063S (UIP)
6' SIDEWALK
EXIST. WV (ATG)
EXIST. WV (UIP)
MSD# 25K1-039S (R)
EXIST. PP (UIP)
EXIST. INLET (ATG)
BOLLARD (UIP)
EXIST. GV (ATG)
EXIST. SIGN (UIP)
EXIST. INLET (ATG)
LR PERP RAMP EXIST. PP (UIP)
CONCRETE SLOPE PROTECTION
EXIST. WV (ATG)
MSD# 25K1-039S (UIP)
T.C.E.
EXIST BUSHES (UIP)

DRWY 2190+59 RT.
30' WIDE PAVED APPROACH (8") / GRADE = -1.5% (6' ADA PATH) / +2.0% AT CL

DRWY 2191+20 RT.
27' WIDE PAVED APPROACH (8") / GRADE = +1.5% (6.5' ADA PATH) / +10.1% AT CL

DRWY 2192+27 RT.
NO IMPROVEMENTS

DRWY 2193+45 RT.
30' WIDE PAVED APPROACH (8")
GRADE = +1.2% (12' ADA PATH) AT CL

DRWY 2194+19 RT.
40.5' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) / +9.8% AT CL

DRWY 2195+20 RT.
39.5' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) +9.5% / +15.4% AT CL

25K430343
8544 WATSON RD
N/F
MBR ERR CRESTWOOD, LLC
DB 21788, PG 1871
NO ACQUISITION

25K430354
8534 WATSON RD
N/F
H & H GREECE, LLC
DB 21668, PG 2209
NO ACQUISITION

25K430365
8520 WATSON RD
N/F
BELLBRIDGE HOLDINGS, LLC
DB 15056, PG 1387
NO ACQUISITION

89
SEE NEXT SHEET

SHEET 44 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

SCALE
0 20 40 60

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	49

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
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ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
REV.

MATCHLINE STA. 2195+50

MATCHLINE STA. 2201+00

25K430453
8537 WATSON RD
N/F
NULL GRIMAUD LLC
DB 15483, PG 970
NO ACQUISITION

25K440742
8523 WATSON RD
N/F
GAYAR, SALAH
DB 23644, PG 809
NO ACQUISITION

25K440672
8455 WATSON RD
N/F
HENZE, FRED A
DB 11379, PG 2429
NO ACQUISITION

DRWY
2196+08 LT.
29' WIDE PAVED
APPROACH (8")
GRADE = +1.5%
(ADA PATH) AT CL

DRWY
2196+55 LT.
NO IMPROVEMENTS

DRWY
2198+28 LT.
57' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) /
+8.7% AT CL

DRWY
2199+27 LT.
53' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) /
+3.8% AT CL

2200

EXIST. FENCE (UIP)
TYPE S CURB
EXIST. ENTRANCE (R)
EXIST. PB (ATG)
EXIST. GATE (UIP)
LR PERP RAMP
MSD# 25K1-085D (ATG)
6' SIDEWALK
EXIST. INLET (ATG)
EXIST. R/W
TYPE B C&G
MSD# 25K1-084 (UIP)
2196+00
2197+00
2198+00
2199+00
2200+00
90°
CONST. ℄ RTE 366
S 78° 10' 43" W
STA. 5+00.00
GENERAL GRANT LN.=
STA. 2198+82.84
RTE 366
MSD# 25K1-086D (ATG)
EXIST. LIGHT (UIP)
BUSHES (DND)
MSD# 25K1-088D (UIP)
MSD# 25K1-093D (ATG)
EXISTING DRIVEWAY (R)
MSD# 25K1-091D (ATG)
MSD# 25K1-092D (ATG)
TYPE S CURB

MILL/OVERLAY
MSD# 25K1-040S (UIP)
TYPE A CURB
EXIST. INLET (UIP)
EXIST. WV (ATG)
EXIST. WV (UIP)
CONCRETE SLOPE PROTECTION
T.C.E.
EXIST. SAN. CO (ATG)
WALL (DND)
MSD# 25K1-094D(ATG)
EXIST. PP (UIP)
MSD# 25K1-048D (UIP)
90°00'00"
LR PERP RAMP
EXIST. INLET (R)
18" PIPE
GI 59
EXIST. 24" PIPE (R)
COL 60
COL 57
MH 58
30" PIPE
MSD# 25K1-050D (R)
APPROX. 8 LF OF EXIST. 24" PIPE (R)
EXIST. BUS STOP 8766
EXIST. MANHOLE (ATG)
58.06
42.10 RT
65.03
42.12 RT
EXIST. INLET (UIP)
MSD# 25K1-049D (UIP)
EXIST. FH (UIP)
EXIST. LIGHT (DND)
MSD# 25K1-041S (UIP)
EXIST. BILLBOARD (DND)
MILL/OVERLAY LIMIT
STA. 5+69.36
℄ GENERAL GRANT LN.

DRWY
2195+76 RT.
19' WIDE PAVED APPROACH (8")
GRADE = +1.8% (4.5' ADA PATH) /
+9.8% / +17.8% / +21.8% AT CL

DRWY
2197+69 RT.
NO IMPROVEMENTS

89
25K440751
8500 WATSON RD
N/F
RTO WATSON ROAD, LLC
DB 22562, PG 200
2112 SF T.C.E.

90
25K440760
8400 WATSON RD
25K440632
8352 WATSON RD
N/F
GG CENTER LLC
DB 21826, PG 1403
SEE SHEET 51

25K440584
8407 GENERAL GRANT LN
N/F
BREIHAN FAMILY
LIMITED PARTNERSHIP
DB 11051, PG 484
NO ACQUISITION

PLAN SHEET LEGEND
- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

SHEET 45 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

SCALE
0 20 40 60

25K440683
1526 PINETREE LN
N/F
SCHNEIDER, ANGELA
DB 23394, PG 1642
NO ACQUISITION

25K440694
1523 LANVALE DR
N/F
GRAY, JAMES A & GINA M H/W
DB 13053, PG 1282
NO ACQUISITION

24K120021
224 KENORA CT
N/F
MORROW, SCOTT & JANET ETAL J/T
DB 25004, PG 3391
NO ACQUISITION

24K120010
230 KENORA CT
N/F
GRYDER, LARRY E & SANDRA E H/W
DB 9306, PG 1842
NO ACQUISITION

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MATCHLINE STA. 2201+00

MATCHLINE STA. 2206+50

℄ E. OLD WATSON RD.

2205

EXIST. R/W

EXIST. LIGHT (UIP)

(UIP)

+95.83 41.81 LT

+00.81 41.80 LT

6' SIDEWALK

EXIST. MANHOLE (ATG)

MSD# 25K1-055D (UIP)

EXIST. BUS STOP 8720 (UIP SHELTER)

MSD# 25K1-080D (UIP)

MSD# 25K1-079D (UIP)

MSD# 25K1-078D (UIP)

MILL/OVERLAY LIMIT STA. 4+10.69

MSD# 25K1-0349D (UIP)

EXIST. PP (UIP)

EXIST. LIGHT (UIP)

MH 63

MSD# 25K1-0351D (R)

15" PIPE

24" PIPE

COL 64

COL 61

APPROX. 5 LF OF EXIST. 24" PIPE (R)

APPROX. 9 LF OF EXIST. 15" PIPE (R)

24" PIPE

APPROX. 30 LF OF EXIST. 24" PIPE (R)

SP 62

MSD# 25K1-0350D (R&R)

TYPE B C&G

EXIST. 12" PIPE (R)

LR PERP RAMP

63°12'23"

S 78° 10' 43" W

EXIST. GUARDRAIL (UIP)

MSD# 25K1-082D (UIP)

MSD# 25K1-083D (UIP)

TREES (DND)

MSD# 25K1-081D (UIP)

LR PERP RAMP

EXIST. R/W

6' SIDEWALK

EXIST. GV (ATG)

TYPE B C&G

EXIST. MEDIAN (MODIFY)

2202+00

2203+00

2204+00

2205+00

2206+00

CONST. ℄ RTE 366

MILL/OVERLAY

90°

STA. 5+00.00 S. ELM AVE. =
STA. 2205+44.56 RTE 366

MSD# 25K1-051D (UIP)

LR PERP RAMP

EXIST. INLET (ATG)

6' SIDEWALK

EXIST. MANHOLE (ATG)

MSD# 25K1-052D (UIP)

MSD# 25K1-054D (ATG)

MSD# 25K1-053D (UIP)

TYPE B C&G

LR PERP RAMP

MSD# 25K1-057D (UIP)

EXIST. ISLAND (DND)

DRWY
2203+52 RT.
NO IMPROVEMENTS

EXIST. SIGN (UIP)

EXIST. MANHOLE (ATG)

MSD# 25K1-056D (UIP)

EXIST. SIGN (UIP)

EXIST. INLET (UIP)

EXIST. R/W

6' SIDEWALK

MSD# 25K1-059D (ATG)

MSD# 25K1-058D (UIP)

90

SEE NEXT SHEET

SHEET 46 OF 73

PLAN SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

PLAN SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED: 8/2/2024
MO ROUTE: 366
STATE: MO
DISTRICT: SL
SHEET NO.: 50
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
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REV.

SCALE
0 20 40 60

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED 8/2/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 51
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
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REV.

MATCHLINE

24K120032
234 KENORA CT
N/F
SUTTON, WILLIAM J
DB 17781, PG 3640
NO ACQUISITION

24K120043
240 KENORA CT
N/F
PLAMTHOTTATHIL, CHERIAN J
& KUNJUMOL J H'W
DB 19635, PG 78
NO ACQUISITION

24K120054
244 KENORA CT
N/F
WHITLEY, TAMBRA
TRUSTEE
DB 16807, PG 2401
NO ACQUISITION

91
24K121761
250 KENORA CT
N/F
MCGUIRE, HYACINTH
DB 22336, PG 2175
94 SF T.C.E.

24K210023
1462 RONALD DR
N/F
TOLSON JOHN & KEDRA H/W
DB 13392, PG 297
NO ACQUISITION

24K210034
1454 RONALD DR
N/F
ROSSOW, JANE M
DB 10777, PG 2138
NO ACQUISITION

EXIST. INLET (UIP)
EXIST. MANHOLE (UIP)
EXIST. ESM'T.
SHED (UIP)
MSD# 24K4-0299D (UIP)
MILL/OVERLAY LIMIT STA. 4+16.52
℄ CHESHIRE LN.
EXIST. PP (UIP)
EXIST. FENCE (UIP)
MSD# 25K1-0354D (UIP)
MSD# 25K1-0356D (ATG)
EXIST. PP (UIP)
TREES (DND)
EXIST. R/W
EXIST. SHED (DND)
EXIST. FENCE (UIP)
MSD# 25K1-060D (ATG)
TREES (DND)
+36.22 42.41 LT
T1 PAR RAMP +38.94 62.51 LT
+46.10 62.48 LT
+88.96 62.28 LT
+93.35 54.80 LT
+41.79 54.56 LT
EXIST. PP (UIP)
T.C.E.
(ATG)
TREE (DND) +96.15 62.24 LT
T1 PAR RAMP
MSD# 24K4-0300D (ATG)
EXIST. PP (UIP)
MSD# 24K4-0301D (UIP)
TREES (DND)
EXIST. PP (UIP)
EXIST. R/W
(DND)
TYPE A INTEGRAL CURB
+00.00
+39.06
MSD# 25K1-0353D (UIP)
MSD# 25K1-0352D (UIP)
6' SIDEWALK
TREE (R)
+54.22 42.43 LT
TREE (R)
EXIST. BUS STOP 8719 (INSTALL SHELTER PAD)
MSD# 25K1-0355D (UIP)
MSD# 25K1-0366D (UIP)
MSD# 25K1-0367D (UIP)
MSD# 24K4-0302D (UIP)
MSD# 24K4-0303D (UIP)
6' SIDEWALK
+22.49
+27.49
T2 PAR RAMP
TYPE B C&G
SEE SIGNAL PLANS FOR SIGNAL RELATED ITEMS
2207+00
2208+00
2209+00
2210+00
2211+00
CONST. ℄ RTE 366
90°00'00"
S 78° 10' 43" W
N 78° 7' 27" E
STA. 5+00.00 CHESHIRE LN. = STA. 2209+67.32 RTE 366
MILL/OVERLAY
EXIST. INLET (UIP)
TYPE B C&G
LR PERP RAMP
EXIST. INLET (ATG)
LR PERP RAMP
+16.04 42.11 RT
+09.04 42.12 RT
EXIST. MANHOLE (ATG) MSD# 25K1-0358D
25K1-0357D (UIP)
MSD# 25K1-037D (ATG)
TYPE B C&G
+28.86 42.43 RT
+37.82 50.75 RT
MSD# 25K1-027S (ATG)
EXIST. ISLAND (DND)
EXIST. R/W
EXIST. MANHOLE (ATG)
RELOCATED BUS STOP 8767
EXIST. PP (UIP)
6' SIDEWALK
T.C.E.
+28.96 50.86 RT
EXIST. BUS STOP 8767 (RELOCATE WEST)
MSD# 25K1-0360D (UIP)
MSD# 25K1-040D (ATG)
MSD# 25K1-039D (ATG)
MSD# 25K1-031S (UIP)
T1 PAR RAMP
MSD# 25K1-0361D (UIP)
EXIST. FH & WV (UIP)
MSD# 25K1-0365D (UIP)
EXIST. R/W
MILL/OVERLAY LIMIT STA. 5+84.74
+22.46
+27.46
T2 PAR RAMP
TYPE B C&G
6' SIDEWALK
EXIST. INLET (ATG)
LR PERP RAMP
EXIST. R/W
LR PERP RAMP
TYPE S CURB
T.C.E.
EXIST. PP (UIP)
EXIST. ENTRANCE (R)
EXIST. SIGN (DND)
MSD# 25K1-027S (ATG)
T1 PAR RAMP
BOLLARD (UIP)
SIGN (UIP)
EXIST. GV (UIP)
MSD# 25K1-0364D (UIP)
EXIST. UTILITY ESM'T.
EXIST. INLET (UIP)
6' SIDEWALK
LR PERP RAMP
TYPE B C&G
LR PERP RAMP

DRWY
2206+93 RT.
NO IMPROVEMENTS

DRWY
2210+96 RT.
NO IMPROVEMENTS

DRWY
2211+40 RT.
20' WIDE PAVED APPROACH (8")
GRADE = +1.6% (10.5' ADA PATH)
AT CL

90
25K440760
8400 WATSON RD
25K440632
8352 WATSON RD
N/F
GG CENTER LLC
DB 21826, PG 1403
45 SF P.H.E.
449 SF T.C.E.

92
25K530960
7830 CHESHIRE LN
N/F
GG CENTER LLC
DB 21826, PG 1418
787 SF T.C.E.

PLAN SHEET LEGEND
EXISTING RIGHT OF WAY (EXIST. R/W)
PERMANENT HIGHWAY EASEMENT (P.H.E.)
TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
CONSTRUCTION LIMITS (SL)
SIDEWALK REMOVAL
PROPOSED SIDEWALK
PROPOSED MILL/OVERLAY
FULL DEPTH PAVEMENT

SHEET 47 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

SCALE
0 20 40 60

MATCHLINE STA. 2212+00

MATCHLINE STA. 2217+50

MSD 24K4-151D (UIP)

24K210056
1446 RONALD DR
N/F
TOBIN, DAVID L &
PATRICIA MUYCO H/W
DB 15357, PG 1611
NO ACQUISITION

24K210045
1450 RONALD DR
N/F
BESHEER, NOAH
DB 24530, PG 701
NO ACQUISITION

24K210067
1444 RONALD DR
N/F
WALLS, CHARLES & ERICA H/W
DB 20347, PG 919
NO ACQUISITION

96
24K210078
8275 WATSON RD
N/F
LUETHANS, TOD
N, TRUSTEE
DB 18644, PG 3255
25 SF T.C.E.

97
24K210089
8271 WATSON RD
N/F
HACKMANN, DONALD O
& DIANNE J H/W
DB 16677, PG 1512
108 SF T.C.E.

98
24K210090
8265 WATSON RD
N/F
SCHILLER, THOMAS K
DB 25224, PG 1251
114 SF T.C.E.

100
24K210100
8261 WATSON RD
N/F
BUTCHER, JOSHUA E
& RENEE E H/W
DB 21386, PG 1364
129 SF T.C.E.

DRWY 2214+94 LT.
12' WIDE PAVED APPROACH (7")
GRADE = +5.0% / +1.5% (5' ADA PATH) / +10.5% / +14.1% AT CL

DRWY 2215+80 LT.
8.5' WIDE PAVED APPROACH (7")
GRADE = +5.0% / +1.5% (4' ADA PATH) / +10.5% / +16.2% AT CL

DRWY 2216+30 LT.
8.5' WIDE PAVED APPROACH (7")
GRADE = +5.4% / +1.8% (4' ADA PATH) / +13.5% / 25.5% / +21.8% AT CL

DRWY 2216+81 LT.
11' WIDE PAVED APPROACH (7")
GRADE = +5.4% / +1.5% (4' ADA PATH) / +13.5% / 25.5% / +17.7% AT CL

DRWY 2217+33 LT.
10' WIDE PAVED APPROACH (7")
GRADE = +6.0% / +1.8% (4' ADA PATH) / +12.8% / +22.9% AT CL

TREES (DND)
+78.34
41.80 LT
EXIST. PP (UIP)
EXIST. PB (UIP)
EXIST. MANHOLE (ATG)
VEGETATION WITHIN SLOPE LIMITS (R)
EXIST. INLET (ATG)
TREE (DND)
MSD# 24K4-129D (ATG)
MSD# 24K4-0304D (ATG)
MSD# 24K4-146S (ATG)
EXIST. R/W
MSD# 24K4-152D (ATG)
EXIST. LIGHT (UIP)
6' SIDEWALK
T1 PAR RAMP
(UIP)
SR PERP RAMP
TREES (DND)
MSD 24K4-148S (ATG)
(DND)
MSD UNKNOWN (ATG)
TYPE A INTEGRAL CURB
EXIST. R/W
5' SIDEWALK
EXIST. INLET (UIP)
LR PERP RAMP
EXIST. PP (UIP)
T.C.E.
SR PERP RAMP
EXIST. GV (ATG)
(DND)
5' SIDEWALK
EXIST. INLET (ATG)
TYPE A INTEGRAL CURB
TYPE B C&G
SR PERP RAMP
EXIST. GV (ATG)
TYPE A INTEGRAL CURB
(DND)
(UIP)
SR PERP RAMP
5' SIDEWALK
EXIST. INLET (UIP)
(ATG)

2213+00
2214+00
2215+00
2216+00
2217+00
90°
CONST. ℄ RTE 366
N 78° 7' 27" E
MILL/OVERLAY

EXIST. WV (ATG)
6' SIDEWALK
TYPE B C&G
LR PERP RAMP
EXIST. R/W
MSD# 25K1-036D (UIP)
EXIST. SIGN (UIP)
EXIST. MANHOLE (ATG)
EXIST. INLET (UIP)
EXIST. INLET (ATG)
EXIST. WM (UIP)
EXIST. FENCE (UIP)
EXIST. FLAG & BASE (UIP)
EXIST. FH (UIP)
EXIST. PAVER WALL (R)
EXIST. GV (ATG)
EXIST. WV (UIP)
EXIST. PP AND LIGHT (UIP)

25K531026
25K531082
8330 WATSON RD
8312 WATSON RD
N/F
BREIHAN PROPERTIES LLC
DB 21702, PG 2187
NO ACQUISITION

DRWY 2213+35 RT.
NO IMPROVEMENTS
MSD# 25K1-036S (UIP)

DRWY 2214+61 RT.
NO IMPROVEMENTS

95
25K531169
8300 WATSON RD
N/F
PAMPER YOUR POOCH
PETWASH, LLC
DB 23792, PG 3986
1000 SF T.C.E.

DRWY 2215+14 RT.
31' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) / +3.9% AT CL

DRWY 2215+82 RT.
61' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) / +5.7% AT CL

DRWY 2216+66 RT.
NO IMPROVEMENTS

99
25K531136
8254 WATSON RD
N/F
CYCOLONE INVESTMENTS, LLC
DB 17410, PG 96
500 SF T.C.E.

DRWY 2217+16 RT.
30.5' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) / +5.8% AT CL

102
SEE NEXT SHEET

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PLAN SHEET LEGEND
- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

SHEET 48 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED: 8/2/2024
MO ROUTE: 366
STATE: MO
DISTRICT: SL
SHEET NO.: 52
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE | REV.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
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SCALE
0 20 40 60

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED: 8/2/2024
MO ROUTE: 366 | STATE: MO
DISTRICT: SL | SHEET NO.: 53
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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REV.

MATCHLINE STA. 2217+50

MATCHLINE STA. 2223+00

24K210122
8257 WATSON RD
N/F
HIMES, GEORGE N JR & PAMELA R
DB 7259, PG 1347
172 SF T.C.E.
101

℄ GIRARD DR.

24K210133
23 GIRARD DR
N/F
WOODS, LEAH
DB 24748, PG 406
NO ACQUISITION

24K210155
1 GIRARD DR
N/F
MYERS, AUSTIN & ROBINSON, TAYLOR T/E
DB 22294, PG 4204
NO ACQUISITION

103
24K210166
8241 WATSON RD
N/F
MANDZUKIC, SENIJA
DB 20834, PG 1070
164 SF T.C.E.

104
24K210188
8237 WATSON RD
N/F
VIGIL, FERNANDO & DEBRA T/E
DB 24309, PG 12
350 SF T.C.E.

105
24K210199
1449 EDGAR RD
N/F
MUNKEL, MARY JO
DB 19327, PG 4774
357 SF T.C.E.

℄ EDGAR RD.

106
24K220099
502 AMBERGATE DR
N/F
EKBATANI, CAROLYN A, TRUSTEE
DB 19125, PG 592
265 SF T.C.E.

24K220110
508 AMBERGATE DR
N/F
VASEL, CAROLYNN TRUST
DB 21221, PG 299
NO ACQUISITION

GIRARD DR
2218+51 LT.
25' WIDE 9" PCC PAVEMENT
GRADE = +5.0% / +1.5% (5' ADA PATH) / +7.5% AT CL

DRWY
2219+31 LT.
10.5' WIDE PAVED APPROACH (7")
GRADE = +5.4% / +1.5% (4' ADA PATH) / +13.5% / 25.5% / +21.8% AT CL

DRWY
2219+83 LT.
10' WIDE PAVED APPROACH (7")
GRADE = +5.4% / +1.5% (4' ADA PATH) / +13.5% / 25.5% / +18.7% AT CL

EDGAR RD.
2220+90 LT.
33' WIDE 9" PCC PAVEMENT
GRADE = +4.0% / +1.5% (5' ADA PATH) / +8.0% AT CL

MILL/OVERLAY LIMIT STA. 4+38.01

MSD# 24K4-151S (ATG)
EXIST. WALL (DND)
EXIST. LIGHT (UIP)
EXIST. INLET (ATG)
VEGETATION WITHIN SLOPE LIMITS (R)
SR PERP RAMP
+05.44 42.52 LT
EXIST. LIGHT (UIP)
SR PERP RAMP
MSD# 24K4-156S (ATG)
EXIST. GV (ATG)
TYPE A INTEGRAL CURB
T.C.E.
EXIST. PP (UIP)
VEGETATION WITHIN SLOPE LIMITS (R) (DND)
+69.82 37.98 LT
T.C.E.
+87.97 55.46 LT
+23.11 53.98 LT
EXIST. GV (ATG)
TREE (DND)
EXIST. LIGHT (RELOC.)
COMP PERP RAMP
EXIST. PB (ATG)
TREES (DND)
+43.24 39.22 LT
T.C.E.
EXIST. ESM'T.
EXIST. R/W
TYPE A INTEGRAL CURB
LR PERP RAMP
TREES (DND)
EXIST. WALL (DND)
EXIST. INLET (ATG)
EXIST. R/W
(UIP)
5' SIDEWALK
EXIST. WV (UIP)
TYPE A INTEGRAL CURB
EXIST. INLET (ATG)
90°1'34"
2218+00
EXIST. INLET (ATG)
2219+00
90°
EXIST. WV (UIP)
MSD# 24K4-157S (ATG)
5' SIDEWALK
SR PERP RAMP
90°
2220+00
TYPE A INTEGRAL CURB
EXIST. INLET (ATG)
5' SIDEWALK
EXIST. R/W (ATG)
T2 PAR RAMP
+85.21 49.67 LT
(UIP)
MSD# 24K4-155S (ATG)
102°50'0"
+25.68 45.85 LT
2221+00
EXIST. INLET (ATG)
+57.98
+75.98
EXIST. PP (UIP)
EXIST. BUS STOP 8718
2222+00
+90.61 37.51 LT
5' SIDEWALK
TYPE A INTEGRAL CURB
EXIST. INLET (ATG)
EXIST. PP (UIP)
+00.00

CONST. ℄ RTE 366
N 78° 7' 27" E

STA. 5+00.00 GIRARD DR.= STA. 2218+50.61 RTE 366
STA. 5+00.00 EDGAR RD.= STA. 2220+90.14 RTE 366

90°
TYPE B C&G
EXIST. GV (ATG)
6' SIDEWALK
EXIST. INLET (ATG)
LR PERP RAMP
LR PERP RAMP
TYPE B C&G
LR PERP RAMP
R 10.5'
(UIP)
(UIP)
EXIST. R/W
T.C.E.
EXIST. SIGN (UIP)
EXIST. BUS STOP 8768 (UIP)
MILL/OVERLAY
EXIST. WV (UIP)
EXIST. WV (ATG)
EXIST. FH (UIP)
EXIST. WV (ATG)
6' SIDEWALK
TYPE B C&G
EXIST. PP (UIP)
EXIST. WALL (DND)
EXIST. INLET (UIP)
EXIST. PP (UIP)
LR PERP RAMP
TYPE B C&G
EXIST. INLET (UIP)
6' SIDEWALK
(UIP)
EXIST. WV (ATG)
LR PERP RAMP
EXIST. R/W
EXIST. PP (UIP)
(UIP)
LR PERP RAMP
5' SIDEWALK
TYPE B C&G
+07.61 34.82 RT
+17.15 41.11 RT
+26.99 42.89 RT

DRWY
2217+75 RT.
30' WIDE PAVED APPROACH (8") / GRADE = +1.5% (6.5' ADA PATH) / +4.9% AT CL

DRWY
2218+59 RT.
44' WIDE PAVED APPROACH (8") / GRADE = +1.5% (6.5' ADA PATH) / +5.0% AT CL

DRWY
2221+14 RT.
25.5' WIDE PAVED APPROACH (8") / GRADE = -1.5% (6' ADA PATH) / -8.1% AT CL

DRWY
2221+80 RT.
35' WIDE PAVED APPROACH (8") / GRADE = +0.8% (ADA PATH) AT CL

102
25K531147
8250 WATSON RD
N/F
THE SOUTHLAND CORPORATION
DB 7942, PG 630
1148 SF T.C.E.

24K210012
8230 WATSON RD
N/F
BRADRICK SCINTILLATION LLC
DB 20226, PG 3238
NO ACQUISITION

24K220918
8212 WATSON RD
N/F
NAJJAR CAR CARE IV, INC
DB 16086, PG 2606
NO ACQUISITION

PLAN SHEET LEGEND
- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

PLAN SHEET

ROUTE 366
WATSON ROAD

SCALE
0 20 40 60

PLAN SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

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MATCHLINE STA. 2223+00

MATCHLINE STA. 2228+50

24K220121
514 AMBERGATE DR
N/F
SMITH, BRANDON ETAL
DB 23118, PG 1712
NO ACQUISITION

24K220132
522 AMBERGATE DR
N/F
BRCIC, ADAM M & JENNIFER C T/E
DB 24574, PG 3019
NO ACQUISITION

24K220143
526 AMBERGATE DR
N/F
SCHAEFER, ZACHARY & ELIZABETH H/W
DB 21746, PG 3332
NO ACQUISITION

24K220154
532 AMBERGATE DR
N/F
BALDI, NICHOLAS C
DB 12698, PG 2368
NO ACQUISITION

24K220165
540 AMBERGATE DR
N/F
MCDONALD, LUKE W & LAURA C T/E
DB 22142, PG 65
NO ACQUISITION

24K220176
546 AMBERGATE DR
N/F
BAUM, CRAIG
DB 22262, PG 784
NO ACQUISITION

24K220187
552 AMBERGATE DR
N/F
LEHNBEUTER, KEVIN R SHANNON A, TRUST
DB 23580, PG 3076
NO ACQUISITION

2225

EXIST. PP (UIP)
EXIST. FENCE (DND)
TREES (DND)
EXIST. R/W
74.00
TYPE A INTEGRAL CURB
EXIST. ESM'T
+50.88
EXIST. INLET (ATG)
MSD# 24K3-061S (ATG)
EXIST. INLET (ATG)
VEGETATION WITHIN SLOPE LIMITS (R)
MSD# 24K3-059S (ATG)
6' SIDEWALK
SR PERP RAMP
EXIST. LIGHT (UIP)
CONST. ℄ RTE 366
5' SIDEWALK
+22.55
34.35 LT
+51.64
EXIST. INLET (ATG)

2224+00 | 2225+00 | 2226+00 | 2227+00 | 2228+00

TYPE B C&G
5' SIDEWALK
EXIST. WV (ATG)
+34.96
31.03 RT
LR PERP RAMP
SR PERP RAMP
12" PIPE
EXIST. GV (ATG)
+40.42
28.75 RT
+50.85
35.21 RT
6' SIDEWALK
TYPE B C&G
GI 27
GI 28
S 78° 7' 27" W
MILL/OVERLAY
MSD# 24K3-065S (ATG)
EXIST. LIGHT (RELOC.)
+71.12
28.22 RT
+90.35
42.80 RT
+66.19
37.11 RT
+07.13
33.61 RT
TYPE S CURB SR PERP RAMP
+68.26
34.20 RT
+04.69
34.15 RT
+30.19
37.09 RT
+45.96
36.23 RT
MH 29
MSD# 24K3-067D (CONVERT TO MH)
LANDSCAPE AREA (UIP)
LANDSCAPE AREA (UIP)
LR PERP RAMP
EXIST. FH (UIP)
EXIST. R/W
TYPE S CURB
DRWY 2225+18 RT.
25' WIDE PAVED APPROACH (8")
GRADE = -0.6% (9.5' ADA PATH) AT CL
+55.36
51.23 RT
EXIST. WALL (UIP)
EXIST. SIGN (UIP)
+73.07
38.39 RT
+00.72
39.50 RT
+21.56
40.78 RT
+44.49
41.72 RT
EXIST. CURB (UIP)
T.C.E.
DRWY 2223+63 RT.
18.5' WIDE PAVED APPROACH (8")
GRADE = -1.3% (8' ADA PATH) AT CL
DRWY 2224+11 RT.
20.5' WIDE PAVED APPROACH (8")
GRADE = -1.5% (ADA PATH) AT CL
DRWY 2224+56 RT.
24' WIDE PAVED APPROACH (8")
GRADE = -6.0% / -1.5% (5' ADA PATH) / -6.7% AT CL
DRWY 2227+05 RT.
NO IMPROVEMENTS
DRWY 2227+88 RT.
38.5' WIDE PAVED APPROACH (8")
GRADE = -2.2% / -1.5% (5' ADA PATH) AT CL

107
24K220033
8208 WATSON RD
N/F
LA CASA GRANDE LLC
DB 21956, PG 2550
1001 SF T.C.E.

108
24K220044
8200 WATSON RD
N/F
CHAMBERLAIN PARKDALE LLC
DB 13523, PG 2150
79 SF T.C.E.

24K220909
8111 GRANT COLONIAL DR
N/F
MIMG CXXVII GENERAL GRANT SUB LLC
DB 22956, PG 2001
NO ACQUISITION

24K220077
8100 WATSON RD
N/F
MIMG CXXVII GENERAL GRANT SUB, LLC
DB 22956, PG 2008
NO ACQUISITION

SHEET 50 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED: 8/2/2024
MO ROUTE: 366
STATE: MO
DISTRICT: SL
SHEET NO.: 54
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

SCALE
0 20 40 60

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED 8/2/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 55
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
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REV.

STA. 2228+50

STA. 2233+50

MATCHLINE STA. 2228+50

MATCHLINE STA. 2233+50

24K220198
556 AMBERGATE DR
N/F
COLEMAN, GEORGE & GLORIA H/W
DB 7991, PG 54
NO ACQUISITION

24K220202
562 AMBERGATE DR
N/F
NASH, HEATHER
DB 22220, PG 2557
NO ACQUISITION

24K220211
568 AMBERGATE DR
N/F
HARGROVE, GARY J
DB 22016, PG 1236
NO ACQUISITION

24K220927
8083 WATSON RD
N/F
8083 WATSON LLC
DB 17916, PG 5065
NO ACQUISITION

24K220936
8083 WATSON RD
N/F
8083 WATSON LLC
DB 17916, PG 5065
NO ACQUISITION

24K220853
8088 WATSON RD
N/F
S & L, LLC
DB 12147, PG 1555
NO ACQUISITION

24K220088
8084 WATSON RD
N/F
WATSON ACQUISITION COMPANY, LLC
DB 14480, PG 1348
NO ACQUISITION

109
24K220101
8080 WATSON RD
N/F
BARTNETT MARK S TRUSTEE
DB 13635, PG 2773
1450 SF T.C.E.

℄ CULVERHILL DR.
24' WIDE 8.5" PCC PAVEMENT GRADE = -2.0% / +1.5% (6' ADA) / +3.0% / +4.1% AT ℄
Culverhill Dr. 2231+32 LT.
DRWY 2231+94 LT. 48' WIDE PAVED APPROACH (8") GRADE = -1.8% (ADA PATH) AT CL
DRWY 2233+00 LT. 43' WIDE PAVED APPROACH (8") GRADE = -1.0% (ADA PATH) AT CL
DRWY 2229+01 RT. 41' WIDE PAVED APPROACH (8") GRADE = -3.0% / +1.5% (5' ADA PATH) AT CL
DRWY 2229+88 RT. 36.5' WIDE PAVED APPROACH (8") GRADE = +1.5% / -1.5% (ADA PATH) AT CL
DRWY 2230+68 RT. 39.5' WIDE PAVED APPROACH (8") GRADE = -1.0% (8' ADA PATH)
DRWY 2231+55 RT. 32' WIDE PAVED APPROACH (8") GRADE = +0.7% / -1.7% (6' ADA PATH) AT CL
DRWY 2232+22 RT. WIDE PAVED APPROACH (8") GRADE = +2.9% / +1.5% (6' ADA PATH) AT CL
DRWY 2232+95 RT. 37' WIDE PAVED APPROACH (8") GRADE = +4.0% / +1.5% (6' ADA PATH) / +10.0% / +4.0% AT CL
STA. 5+00.00 CULVERHILL DR. = STA. 2231+32.30 RTE 366
CONST. ℄ RTE 366
MSD# 24K3-088D (UIP)
MSD# 24K3-087D (UIP)
MSD# 24K3-086D (ATG)
MSD# 24K3-085D (CONVERT TO MH)
MSD# 24K3-066S (ATG)
MSD# 24K3-067S (ATG)
MSD# 24K3-071S (UIP)
MSD# 24K3-070S (UIP)
MSD# 24K3-083D (UIP)
EXIST. FH (UIP)
EXIST. SIGN (UIP)
EXIST. BUS STOP 8769
EXIST. BUS STOP 8717 (INSTALL SHELTER PAD)
EXIST. LIGHT (UIP)
EXIST. LIGHT AND PP
EXIST. PP (UIP)
EXIST. PB (UIP)
EXIST. PB (ATG)
EXIST. WV (ATG)
EXIST. INLET (CONVERT TO CURB INLET)
EXIST. MANHOLE (ATG)
EXIST. R/W
EXIST. FENCE (DND)
VEGETATION WITHIN SLOPE LIMITS (R)
TREES (DND)
LANDSCAPING (DND)
LANDSCAPING & SIGN (DND)
15" PIPE (UIP)
SR PERP RAMP
SR PERP RAMP TYPE B C&G
LR PERP RAMP
EXIST. CURB (R)
T1 PAR RAMP
TYPE B C&G
TYPE S CURB
MILL/OVERLAY
BUILDING (DND)
T.C.E.
CI 30
MH 32
GI 33
2230
2230+00
2231+00
2232+00
2233+00
2229+00
S 78° 7' 27" W
90°00'00"
90°

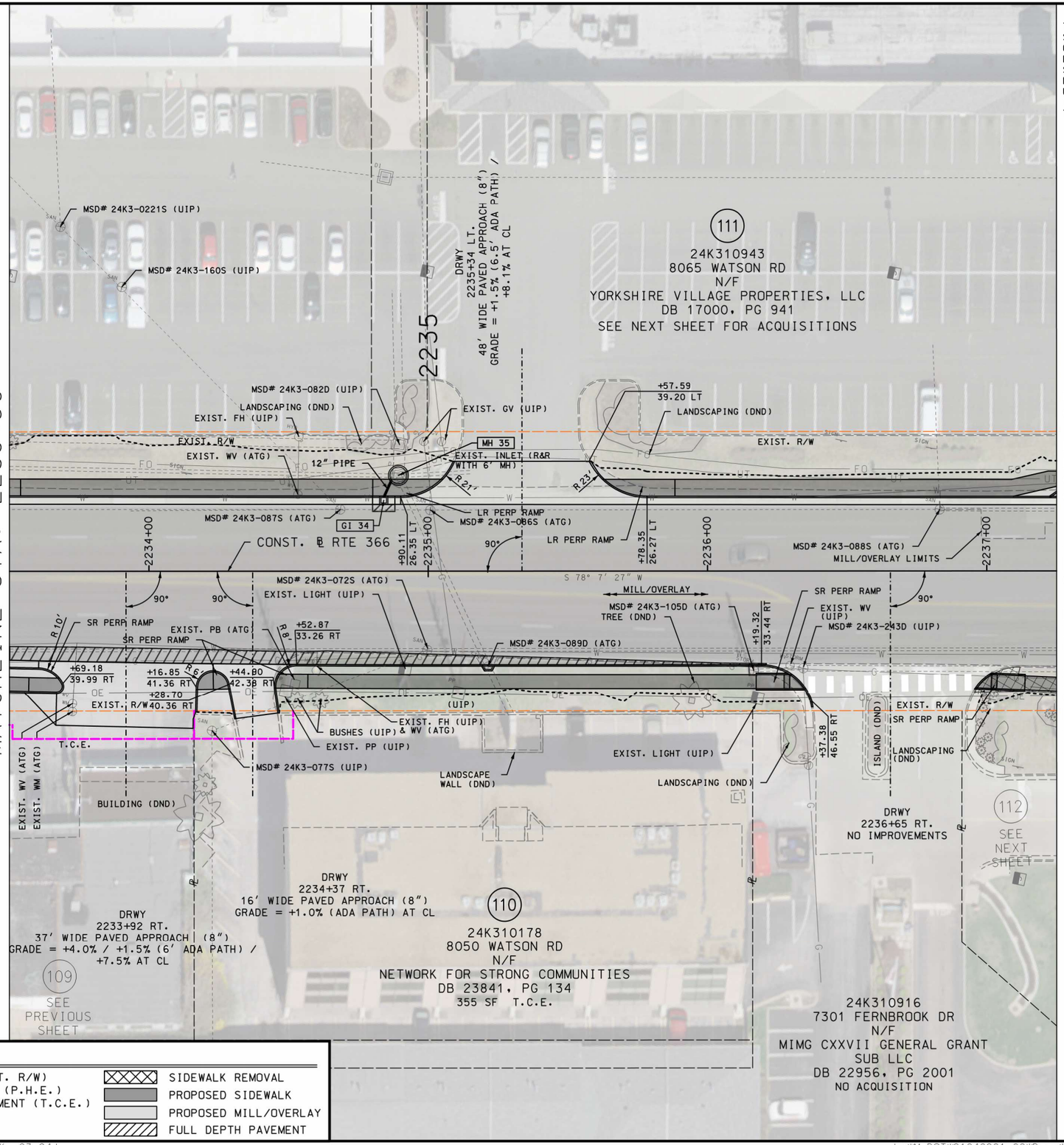
PLAN SHEET LEGEND
EXISTING RIGHT OF WAY (EXIST. R/W)
PERMANENT HIGHWAY EASEMENT (P.H.E.)
TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
CONSTRUCTION LIMITS (SL)
SIDEWALK REMOVAL
PROPOSED SIDEWALK
PROPOSED MILL/OVERLAY
FULL DEPTH PAVEMENT

SHEET 51 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

SCALE
0 20 40 60



PLAN SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	56

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ENGINEERING CORPORATION - 000631

REV.

SHEET 52 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

SCALE
0 20 40 60

MATCHLINE STA. 2237+25

MATCHLINE STA. 2241+00

111
24K310943
24K310925
24K310934
8065 WATSON RD
8021 WATSON RD
1239 S LACLEDE STATION RD
N/F
YORKSHIRE VILLAGE PROPERTIES, LLC
DB 17000, PG 941
565 SF P.H.E.
2672 SF T.C.E.

DRWY 2237+98 LT. 18' WIDE PAVED APPROACH (8") GRADE = +1.5% (8' ADA PATH) / +9.0% / +13.0% AT CL
MSD# 24K3-092D (UIP)
DRWY 2239+14 LT. 17' WIDE PAVED APPROACH (8") GRADE = +7.9% / +1.5% (5' ADA PATH) +7.1% AT CL
EXIST. MSD ESM'T.
EXIST. WATER ESM'T.
EXIST. WALL (UIP)
LANDSCAPING (R)
LANDSCAPING (UIP)
WALL (DND)
T1 PAR RAMP +83.56 66.67 LT
MSD# 24K3-0275D (UIP)
EXIST. STAIRS AND HANDRAILS (UIP)
MSD# 24K3-0284D (ATG)
SR PERP RAMPS
+37.25 43.99 LT
+11.16 48.99 LT
MSD# 24K3-0291D (UIP)
EXIST. R/W
T.C.E.
MSD# 24K3-093D (UIP)
T1 PAR RAMP +43.53 44.00 LT
R 62.5'
+71.36 26.10 LT
+93.38 30.60 LT
2238+00
MSD# 24K3-090S (ATG)
58°15'16"
BUSHES (R)
MSD# 24K3-091D (UIP)
EXIST. SIGN (RELOC.)
EXIST. MEDIAN (UIP)
2239+00A
2239+03.07
124°59'50"
CONST. ℄ RTE 366
2240+00
EXIST. PP (UIP)
EXIST. FH (UIP)
MSD# 24K3-091S (UIP)
MILL/OVERLAY LIMITS
S 78° 7' 27" W
MSD# 24K3-093S (ATG)
MSD# 24K3-104D (ATG)
EXIST. LIGHT (UIP)
+95.59
+03.78
MSD# 24K3-103D (ATG)
MSD# 24K3-098D (ATG)
MSD# 24K3-100D (UIP)
90°
MILL/OVERLAY
MSD# 24K3-094S (UIP)
MSD# 24K3-095S (ATG)
EXIST. PP (UIP)
EXIST. WV (UIP)
MSD# 24K3-096S (ATG)
MSD# 24K3-097S (ATG)
EXIST. R/W
EXIST. BUS STOP 8770 & SHELTER (UIP)
T.C.E.
+36.83
LANDSCAPING (DND)
EXIST. PP (UIP)
LANDSCAPING (DND)
LR PERP RAMP
EXIST. RISER (UIP)
EXIST. LIGHT (DND)
EXIST. SIGN (UIP)
DRWY 2239+52 RT. NO IMPROVEMENTS
EXIST. MSD ESM'T.

112
24K310893
8000 WATSON RD
N/F
QUIK TRIP CORPORATION
DB 16822, PG 2654
417 SF P.H.E.
2992 SF T.C.E.

PLAN SHEET LEGEND
- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED: 8/2/2024
MO ROUTE: 366
STATE: MO
DISTRICT: SL
SHEET NO.: 57
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DATE	DESCRIPTION

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
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SHEET 53 OF 73
PLAN SHEET
ROUTE 366
WATSON ROAD

REV.

SCALE
0 20 40 60

111
SEE PREVIOUS SHEET

℄ LACLEDE STATION RD.

MILL/OVERLAY LIMIT
STA. 2+91.74

EXIST. R/W

116
24K310741
7945 WATSON RD
N/F
MARK ADOLPHUS FAMILY TRUST
DB 14857, PG 1667
578 SF T.C.E.

MSD# 24K3-0285D (UIP)
EXIST. BUS STOP 8716 & SHELTER (UIP)
LANDSCAPING (DND)
EXIST. FH (UIP)
EXIST. SIGNAL ESM'T
EXIST. PP (UIP)
EXIST. RISER (DND)
MSD# 24K3-110D (UIP)
MSD# 24K3-127D (ATG)
MSD# 24K3-128D (ATG)
MSD# 24K3-125D (ATG)
EXIST. LIGHT (UIP)
T2 PAR RAMP
LANDSCAPING (DND)
EXIST. WALLS (DND)
EXIST. INLET (UIP)
EXIST. LIGHT (UIP)
EXIST. MANHOLE (ATG)
MSD# 24K3-124D (ATG)
EXIST. ISLAND (MODIFY)
SEE SIGNAL PLANS FOR SIGNAL RELATED ITEMS

+53.38 48.88 LT
+48.67 46.74 LT
+17.94 43.22 LT
+23.09 43.21 LT
+16.88 55.57 LT
+19.85 61.45 LT

STA. 5+00.00 S. LACLEDE STATION RD. =
STA. 2242+83.01 RTE 366

CONST. ℄ RTE 366

64°59'6"

EXIST. PP (UIP)
LANDSCAPING WITHIN SLOPE LIMITS (R)
BRICK SIGN (UIP)
EXIST. PP (UIP)
DUAL PERP. RAMP
MSD# 24K3-124S (ATG)
+47.25
+90.02 43.59 RT
+02.29 55.93 RT
EXIST. PP (DND)
EXIST. PP (UIP)
EXIST. WV (UIP)
EXIST. SPLINKER HEAD (RELOC)
T2 PAR RAMP
+23.78 39.91 RT
+18.46 43.17 RT
MSD# 24K3-138D (ATG)
LR PERP RAMP
+66.08 41.19 RT
+04.38 38.52 RT
MILL/OVERLAY
LANDSCAPING (UIP)
LR PERP RAMP
+74.29 33.57 RT
+32.88 42.74 RT
EXIST. PB (UIP)
EXIST. INLET (UIP)
SR PERP RAMP TYPE B C&G
+35.91 42.18 RT
+48.48 42.82 RT
+13.30 42.84 RT
EXIST. R/W
LR PERP RAMP
EXIST. PP (UIP)
EXIST. WV (UIP)
TYPE S CURB
EXIST. PP (UIP)
TYPE S CURB
T.C.E.
MSD# 24K3-139D (ATG)
LANDSCAPING (DND)
EXIST. SIGN (UIP)
EXIST. WALL (DND)
+82.47 41.60 RT
MSD# 24K3-129S (ATG)
MSD# 24K3-140D (ATG)
MSD# 24K3-232D (ATG)
MSD# 24K3-143D (ATG)
EXIST. GV (UIP)
MSD# 24K3-132S (ATG)
MSD# 24K3-208S (ATG)

112
SEE PREVIOUS SHEET

115
24K310815
7960 WATSON RD
N/F
KINGS COURT PARTNERSHIP L P
DB 10572, PG 512
577 SF T.C.E.

DRWY 2243+51 RT.
33' WIDE PAVED APPROACH (8")
GRADE = +1.5% (8.5' ADA PATH)
+6.5% AT CL

DRWY 2243+92 RT.
19.5' WIDE PAVED APPROACH (8")
GRADE = +1.0% (8.5' ADA PATH)
-3.3% AT CL

DRWY 2245+66 RT.
36' WIDE PAVED APPROACH (8")
GRADE = +4.0% / +1.5% (5' ADA PATH) / +9.6% AT CL

DRWY 2244+73 RT.
83' WIDE PAVED APPROACH (8")
GRADE = +1.1% (8.5' ADA PATH) AT CL

117
SEE NEXT SHEET

24K310354
7950 WATSON RD
N/F
TURNER, JOSEPH GEORGE
DB 22724, PG 1251
NO ACQUISITION

MATCHLINE STA. 2241+00
MATCHLINE STA. 6+25
MATCHLINE STA. 2245+75

2242+00
2243+00
2244+00
2245+00

PLAN SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

SHEET 54 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	58

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
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ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
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REV.

SCALE
0 20 40 60

℄ HEEGE RD.

EXIST. SIGNAL ESM'T.

EXIST. R/W

MATCHL INE STA. 6+25

114

24K310794
8000 S LACLEDE STATION RD
N/F
RESTAURANTS UNLIMITED INC
DB 19894, PG 5296
111 SF P.H.E.
168 SF T.C.E.

MSD# 24K3-141D (ATG)
6'SIDEWALK
MILL/OVERLAY LIMIT STA. 6+03.73 (HEEGE)
MSD# 24K3-231D (ATG)
LANDSCAPING (DND)
6'SIDEWALK
EXIST. GV (ATG)
EXIST. SIGN (UIP)
EXIST. LIGHT (DND)
LANDSCAPING WITHIN SLOPE LIMITS (R)
T2 PAR RAMP
EXIST. GUY WIRE (UIP)
EXIST. PP (UIP)
T2 PAR RAMP
+44.47 (LACLEDE)
MSD# 24K3-130S (ATG)
(UIP)
+40.94 (LACLEDE)
MSD# 24K3-142D (ATG)
+05.93 (LACLEDE)
+15.47 (LACLEDE)
6' SIDEWALK
MSD# 24K3-125S (ATG)
EXIST. GV (UIP)
MILL/OVERLAY LIMITS
MSD# 24K3-122S (ATG)
EXIST. R/W
DRWY
6+85 RT (LACLEDE STATION)
5' WIDE PAVED APPROACH (8")
RADE = +1.5% (7' ADA PATH) /
+4.5% AT CL
MSD# 24K3-145D (ATG)
MSD# 24K3-144D (ATG)
EXIST. GV (UIP)
MILL/OVERLAY LIMITS
~8.2-06
EXIST. GUY WIRE (RELOC BO)
6' SIDEWALK
EXIST. GV (ATG)
(UIP)
EXIST. PP (UIP)
MILL/OVERLAY LIMITS
EXIST. WV (UIP)
EXIST. PP (UIP)
(UIP)
MILL/OVERLAY LIMIT STA. 8+86.28
(UIP)
EXIST. R/W
MSD# 24K3-098S (UIP)
MSD UNKNOWN (UIP)
EXIST. BUS STOP (UIP)
EXIST. MANHOLE (UIP)
EXIST. SIGNAL ESM'T.
LR PERP RAMP
LR PERP RAMP
EXIST. WM (UIP)
MSD# 24K3-135D (UIP)
EXIST. SIGNAL ESM'T.
112
SEE SHEET 53

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PLAN SHEET LEGEND
- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

SHEET 55 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED 8/2/2024
MO ROUTE 366
STATE MO
DISTRICT SL
SHEET NO. 59
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION
DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

SCALE
0 20 40 60

24K310824
1300 S LACLEDE STATION RD
N/F
SINAK PILUMBING
DB 7211, PG 628
NO ACQUISITION

24K310750
7917 WATSON RD
N/F
HEK STUDIO PROPERTY LLC
DB 23316, PG 1969
NO ACQUISITION

24K310761
7921 WATSON RD
N/F
RALL, DWAYNE E &
CHRISTINE M H/W
DB 10137, PG 1176
NO ACQUISITION

119
VOID
24K310695
7901 WATSON RD
N/F
MCDONALDS REAL ESTATE COMPANY
DB 18297, PG 2481
NO ACQUISITION

24K341440
7899 WATSON RD
N/F
7899 WATSON INC
DB 24358, PG 588
NO ACQUISITION

116
SEE PREVIOUS SHEET

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
09/06/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED 9/5/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 60
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
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ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
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REV.

PLAN SHEET

ROUTE 366
WATSON ROAD

PLAN SHEET LEGEND
- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

117
24K310376
7940 WATSON RD
N/F
KUHN PROPERTIES INC
DB 17272, PG 4687
252 SF T.C.E.

118
24K320742
7918 WATSON RD
N/F
PARDESHI HOTELS LLC
DB 23292, PG 710
85 SF T.C.E.

24K320852
7900 WATSON RD
N/F
NHI TRANG
DB 8336, PG 2280
NO ACQUISITION

120
24K321640
7894 WATSON RD
N/F
DUPLEX MOTEL, INC
DB 10277, PG 2095
446 SF T.C.E.

SHEET 56 OF 73

SCALE
0 20 40 60

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED 8/2/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 61
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

STA. 2251+00
MATCHLINE STA. 2256+50

24K341514
7823 WATSON RD
N/F
DIFRANCO, JOSEPH
DB 78905, PG 577
NO ACQUISITION

24K341505
7855 WATSON RD
24K341523
7895 WATSON RD
N/F
7895-7899 WATSON ROAD LLC
DB 23805, PG 123
NO ACQUISITION

24K340681
7815 WATSON RD
N/F
MREK LLC
DB 23900, PG 1160
NO ACQUISITION

24K340263
7809 WATSON RD
N/F
7809 WATSON ROAD LLC
DB 20782, PG 162
NO ACQUISITION

℄ WIMBLEDON DR.

DRWY 2251+52 LT. 42' WIDE PAVED APPROACH (8") GRADE = +1.5% (8.5' ADA PATH) / +9.5% / +11.2% AT CL

DRWY 2252+29 LT. 45' WIDE PAVED APPROACH (8") GRADE = +1.5% (7.5' ADA PATH) / +9.6% AT CL

DRWY 2253+04 LT. 39.5' WIDE PAVED APPROACH (8") GRADE = +1.5% (6.5' ADA PATH) / +9.5% / +11.5% AT CL

DRWY 2254+18 LT. 29' WIDE PAVED APPROACH (8") GRADE = +1.5% (8.5' ADA PATH) / +4.3% AT CL

DRWY 2255+09 LT. 29.5' WIDE PAVED APPROACH (8") GRADE = +1.5% (8.5' ADA PATH) / +7.2% AT CL

WIMBLEDON DR. 2255+79 LT. 41' WIDE 8.5" PCC PAVEMENT GRADE = +3.0% / +1.5% (5' ADA PATH) / +3.2% AT CL

EXIST. R/W

MSD# 24K3-0155 (UIP)
EXIST. GV (UIP)
EXIST. WALL AND SIGN (DND)
EXIST. WM, WV, AND FH (UIP)
EXIST. LIGHT (UIP)
EXIST. WV (UIP)
BUSHES (DND)
EXIST. PB (ATG)
TYPE S CURB
SR PERP RAMP
SR PERP RAMP (MODIFIED)
TYPE B C&G
5' SIDEWALK
CONST. ℄ RTE 366
MILL/OVERLAY
N 45° 56' 7" E
EXIST. BUS STOP 8772 (R & RELOC.)
STA. 5+00.00 ALDERSHOT DR.= STA. 2252+78.81 RTE 366
STA. 5+00.00 CROYDON/ WIMBLEDON DR.= STA. 2255+78.81 RTE 366
EXIST. PP (UIP)
EXIST. GV (UIP)
EXIST. SIGN (UIP)
EXIST. FENCE (UIP)
MILL/OVERLAY LIMIT STA. 5+48.71

DRWY 2252+17 RT. 49' WIDE PAVED APPROACH (8") GRADE = +1.5% (8.5' ADA PATH) / 5.6% AT CL

DRWY 2253+41 RT. 24' WIDE PAVED APPROACH (8") GRADE = +1.5% (8.5' ADA PATH) / +5.5% / +2.2% AT CL

DRWY 2254+02 RT. 19' WIDE PAVED APPROACH (8") GRADE = +1.5% (8.5' ADA PATH) / +7.7% AT CL

DRWY 2254+45 RT. 24.5' WIDE PAVED APPROACH (8") GRADE = +1.5% (ADA PATH) AT CL

DRWY 2255+23 RT. 24' WIDE PAVED APPROACH (8") GRADE = +4.0% / +1.5% (5' ADA PATH) / +6.3% AT CL

Aldershot Dr. 2252+79 RT. 26.5' WIDE 8.5" PCC PAVEMENT GRADE = -3.8% / +1.2% (9.5' ADA)

24K340131
7872 WATSON RD ℄ CROYDON DR.
N/F
SAINT LOUIS DENT CO LLC
DB 24972, PG 4038
NO ACQUISITION

24K340791
7880 WATSON RD
N/F
DESAI, JAYANTIBHAI M & JASVANTIBEN J H/W
DB 7448, PG 158
NO ACQUISITION

℄ ALDERSHOT DR.

120
SEE PREVIOUS SHEET

SHEET 57 OF 73

PLAN SHEET LEGEND
- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

PLAN SHEET

ROUTE 366
WATSON ROAD

SCALE
0 20 40 60

PLAN SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED: 8/2/2024
MO ROUTE: 366 | STATE: MO
DISTRICT: SL | SHEET NO.: 62
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE | REV.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
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MATCHLINE STA. 2256+50

MATCHLINE STA. 2262+00

24K341303
1150 OAK KNOLL MANOR CT
N/F
THOMPSON ,JAMES W & LOUISE L H/W
DB 16238, PG 1131
NO ACQUISITION

24K340441
7777 WATSON RD
N/F
SUNSET LANES INC
DB 6790, PG 99
NO ACQUISITION

24K341312
1144 OAK KNOLL MANOR CT
N/F
MARY E SYRON REVOCABLE TRUST
DB 23942, PG 78
NO ACQUISITION

24K341321
1138 OAK KNOLL MANOR CT
N/F
THE URBAN GEORGIA REVOCABLE TRUST
DB 22695, PG 155
NO ACQUISITION

24K341330
1132 OAK KNOLL MANOR CT
N/F
OSLANCE, MICHAEL E ETAL
DB 17028, PG 1768
NO ACQUISITION

24K341341
1126 OAK KNOLL MANOR CT
N/F
MERKEL, VERNELL G ETAL
DB 11726, PG 2595
NO ACQUISITION

24K341352
1120 OAK KNOLL MANOR CT
N/F
ROBINSON, ANSTES J JR
DB 21142, PG 2142
NO ACQUISITION

24K341363
1112 OAK KNOLL MANOR CT
N/F
CHADHA, JANICE HAYS
DB 24984, PG 291
NO ACQUISITION

2260

DRWY 2257+84 RT.
48' WIDE PAVED APPROACH (8")
GRADE = +1.5% (7.5' ADA PATH) / +9.5% / +11.9% AT CL

EXIST. LIGHT (UIP)
TREE (R)
EXIST. R/W
+58.86 35.00 LT
R 11'
R 7'
+51.99 26.53 LT
SR PERP RAMP
TYPE B C&G
5' SIDEWALK
EXIST. BUS STOP 8714 (R)
90°
(UIP)
6" (ABANDONED)
(DND)
VEGETATION WITHIN SLOPE LIMITS (R)
EXIST. WV (UIP)
EXIST. WV (ATG)
CONST. ℄ RTE 366
MILL/OVERLAY
S 45° 56' 7" W
2257+00
2258+00
2259+00
2260+00
2261+00

EXIST. WV (UIP)
SR PERP RAMP
5' SIDEWALK
R 10'
+68.45 26.44 RT
+11.07 31.59 RT
+11.31 26.17 RT
+21.29 31.68 RT
+43.61 31.68 RT
+54.43 26.36 RT
+65.23 31.70 RT
+61.09 32.29 RT
+75.85 32.22 RT
TYPE S CURB
EXIST. ESM'T
+22.13 26.50 RT
TYPE B C&G
EXIST. LIGHT (UIP)
CI 38
12" PIPE
EXIST. INLET (R&R)
EX 5
+41.29 26.55 RT
LR PERP RAMP
R 21'
R 20'
R 15'
EXIST. PP (UIP)
WALL & SIGN (DND)
LANDSCAPING (DND)
+62.13 47.55 RT
+96.36 46.47 RT
WALL (DND)
T.C.E.
LANDSCAPING (DND)
+16.41 26.47 RT
+19.71 26.48 RT
+34.63 42.81 RT
T.C.E.
6' SIDEWALK
TYPE
+68.91 26.42 RT
+54.32 41.13 RT
+75.62 34.88 RT
+85 32.
LANDSCAPING (DND)

DRWY 2256+57 RT.
17' WIDE PAVED APPROACH (8") / GRADE = +1.5% (8.5' ADA PATH) / +2.9% AT CL

DRWY 2257+48 RT.
30' WIDE PAVED APPROACH (8") / GRADE = +1.5% (8.5' ADA PATH) / +2.5% AT CL

DRWY 2258+32 RT.
19' WIDE PAVED APPROACH (8") / GRADE = -0.5% (ADA PATH) AT CL

DRWY 2258+78 RT.
26' WIDE PAVED APPROACH (8") / GRADE = +1.4% (ADA PATH) AT CL

DRWY 2259+43 RT.
21' WIDE PAVED APPROACH (8") / GRADE = +1.3% (ADA PATH) AT CL

DRWY 2260+79 RT.
34' WIDE PAVED APPROACH (8") / GRADE = +4.0% / +1.5% (5' ADA PATH) / +10.0% / +12.4% AT CL

DRWY 2261+44 RT.
20' WIDE PAVED APPROACH (8") / GRADE = +4.0% / +1.5% (5' ADA PATH) / +10.5% / +20.9% AT CL

DRWY 2257+88 RT.
24.5' WIDE PAVED APPROACH (8") / GRADE = +1.5% (8.5' ADA PATH) / +3.6% AT CL

24K340304
7840 WATSON RD
24K340735
7850 WATSON RD
N/F
MENETRE MANAGEMENT ENTERPRISE, LLC
DB 17839, PG 3805
NO ACQUISITION

24K340331
7836 WATSON RD
N/F
MIDTOWN COMMUNITY PROPERTIES, LLC
DB 22638, PG 39
NO ACQUISITION

24K341462
7830 WATSON RD
N/F
PJR, INC
DB 20172, PG 891
NO ACQUISITION

121
24K340872
7800 WATSON RD
N/F
WAYSIDE MOTEL, INCORPORATED
DB 12104, PG 54
854 SF T.C.E.

24K340762
7800 WATSON RD A
N/F
WAYSIDE MOTEL, INCORPORATED
DB 12104, PG 54
NO ACQUISITION

122
SEE NEXT SHEET

SHEET 58 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

SCALE
0 20 40 60

℄ OAK KNOLL MANOR DR.

24K341385
955 OAK KNOLL MANOR DR
N/F
AU JASON S & LA HOAN X H/W ETAL J/T
DB 14377, PG 1001
NO ACQUISITION

123

24K341396
963 OAK KNOLL MANOR DR
N/F
YANICS, MARTIN E ETAL
DB 22198, PG 432
256 SF T.C.E.

24K341374
1108 OAK KNOLL MANOR CT
N/F
OJILE, LOUIS J JR
DB 19487, PG 1944
NO ACQUISITION

24K340955
964 OAK KNOLL MANOR DR
N/F
FERGUSON, TERRY L & JOAN T/E
DB 23700, PG 3184
NO ACQUISITION

24K341572
7745 WATSON RD
N/F
PREMIER A-1 SHREWSBURY LLC
DB 24504, PG 4480
NO ACQUISITION

24K341404
968 OAK KNOLL MANOR DR
N/F
OAK KNOLL MANOR, TRUSTEES
DB 10556, PG 92
NO ACQUISITION

2265

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED 8/2/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 63
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION | DATE | REV.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

MATCHLINE STA. 2262+00

EXIST. FENCE (DND)
EXIST. R/W
(UIP) RELOCATED BUS STOP 8713
5' SIDEWALK
+68.20
+75.20
2263+00
+34.28
+39.28
+71.65
30.38 LT
EXIST. TMH (ATG)
EXIST. WV (ATG)
2264+00
90°00'00"
EXIST. TREES (UIP)
EXIST. SIGN (UIP)
EXIST. LIGHT (UIP)
EXIST. FENCE (DND)
VEGETATION WITHIN SLOPE LIMITS (R)
COMP PERP RAMP
+94.28
87.74 LT
T.C.E.
+05.91
77.39 LT
R 38.6'
EXIST. ESM'T
MSD# 24K3-171S (UIP)
MSD# 24K3-197D (UIP)
MSD# 24K3-213D (UIR)
MSD# 24K3-207D (UIP)
MSD# 24K3-172S (UIP)
EXIST. ESM'T
EXIST. R/W
(UIP)
2265+00
CONST. ℄ RTE 366
2266+00
90°
DRWY 2266+59 LT.
NO IMPROVEMENTS
EXIST. INLET (UIP)
MSD# 24K3-180S (UIP)
MSD# 24J4-035D (UIP)
EXIST. R/W
2267+00
PC STA 2267+04.06
STA. 2267+50

A INTEGRAL CURB
S 45° 56' 7" W
MID BLOCK CROSSING WITH RRFB
STA. 5+00.00 OAK KNOLL MANOR DR. =
STA. 2264+22.71 RTE 366
+20.03
EXIST. LIGHT (UIP)
6' SIDEWALK
+34.28
+39.28
RELOCATED BUS STOP 8774
SR PERP RAMP
R 10'
+25.11
34.61 RT
T2 PAR RAMP
+69.39
+83.19
+90.19
+94.41
+04.32
34.91 RT
TYPE A INTEGRAL CURB
EXIST. R/W
EXIST. PP (UIP)
LANDSCAPING (DND)
EXIST. WALL (DND)
VEGETATION WITHIN SLOPE LIMITS (R)
MILL/OVERLAY
5' SIDEWALK
EXIST. SAN. CO (UIP)
SR PERP RAMP
+85.30
35.75 RT
+49.54
35.87 RT
+89.56
36.27 RT
TYPE S CURB
EXIST. R/W
T.C.E.
EXIST. PP (UIP)
EXIST. WM (UIP)
90°
SR PERP RAMP
5' SIDEWALK
TYPE B C&G
MSD# 24J4-085S (ATG)
GI 39
SR PERP RAMP
EXIST. R/W
15" PIPE
+79.42
39.74 RT
GI 40
EXIST. HH (UIP)
+49.47
26.47 RT
R 18'
R 8'
R 12'
EX 6
EXIST. MANHOLE (R&R)
EXIST. INLET (UIP)
SR PERP RAMP
T.C.E.
SEE NEXT SHEET

122
24K341451
7790 WATSON RD
N/F
MIKEN TECHNOLOGIES, INC
DB 20285, PG 2292
78 SF T.C.E.

124
24J130120
7748 WATSON RD
N/F
7748 WATSON ROAD, LLC
DB 13391, PG 901
60 SF T.C.E.

125
24J130065
7750 WATSON RD
N/F
RISCHBIETER, JOANNE
DB 12663, PG 1403
367 SF T.C.E.

DRWY 2264+56 RT.
58' WIDE PAVED APPROACH (8")
GRADE = +1.5% (8.5' ADA PATH) / +7.5% AT CL

DRWY 2265+69 RT.
38' WIDE PAVED APPROACH (8")
GRADE = +4.0% / +1.5% (5' ADA PATH) / +10.5% / +16.4% AT CL

EXIST. MSD ESM'T.
MSD# 24J4-092S (UIP)
EXIST. INLET (UIP)

DRWY 2266+57 RT.
50' WIDE PAVED APPROACH (8")
GRADE = +4.0% / +1.5% (5' ADA PATH) / +7.8% AT CL

EXIST. INLET (UIP)

DRWY 2267+23 RT.
31' WIDE PAVED APPROACH (8")
GRADE = +1.2% (ADA PATH) AT CL

PLAN SHEET LEGEND
- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

SHEET 59 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

SCALE
0 20 40 60

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED 8/2/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 64
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION | DATE | REV.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
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24K620136
7733 WATSON RD
N/F
PREMIER A-1 SHREWSBURY LLC
DB 24504, PG 4480
NO ACQUISITION

24J410158
7725 WATSON RD
N/F
RADEL, ROBERT A
DB 7400, PG 775
NO ACQUISITION

24J410169
7721 WATSON RD
N/F
PMD INVESTMENTS L L C
DB 15708, PG 1307
NO ACQUISITION

MATCHLINE STA. 2267+50

MATCHLINE STA. 2272+00

2270

CONST. ℄ RTE 366

DRWY
2269+42 LT.
NO IMPROVEMENTS

DRWY
2271+11 LT.
NO IMPROVEMENTS

MSD# 24J1-049D (UIP)
MSD# 24J1-0124S (UIP)
EXIST. R/W
EXIST. INLET (UIP)
MSD# 24J1-046D (UIP)
EXIST. INLET (UIP)
EXIST. BUS STOP 8713 (RELOCATE WEST)
6" (ABANDONED)
8"
12"

2268+00
2269+00
2270+00
2271+00
90°

+68.66 29.50 RT
+90.64 33.17 RT
+05.53 33.25 RT
TYPE B C&G
5' SIDEWALK
EXIST. BUS STOP 8774 (RELOCATE WEST)
EXIST. PB (ATG)
+17.74 29.70 RT
+37.34 26.27 RT
GI 41
MILL/OVERLAY
+90.48 26.57 RT
GI 42
TYPE D BARRIER
MOMENT SLAB SIDEWALK
MSD# 24J1-097S (ATG)
6' SIDEWALK
ROCK FILL
SR PERP RAMP
EXIST. PB (ATG)
5' SIDEWALK
+20.67 26.42 RT
+30.59 36.40 RT
+55.47 26.54 RT
SR PERP RAMP
EXIST. PP (UIP)
R 12'
R 10.5'
R 10'
LR PERP RAMP
TYPE C CWET(1)
+27.96 32.73 RT
+30.43 34.23 RT
EXIST. R/W
EXIST. LIGHT (UIP)
EXIST. PP (UIP)
EXIST. INLET (R)
EX 7'
EXIST. MANHOLE (R&R)
EXIST. INLET (R&R)
EX 8
EXIST. PP (UIP)
+59.90 33.44 RT
+68.03 35.08 RT
MSD# UNKNOWN (ATG)
EXIST. PP (UIP)
MSD# UNKNOWN (UIP)
MSD# 24J1-060S (ATG)
MSD BOX CULVERT WORK (BO. MSD#24MSD-00114)
+45.48 36.51 RT
+81.94 34.99 RT
+95.02 32.94 RT
MSD# UNKNOWN (UIP)

126
24J130054
7734 WATSON RD
N/F
H M BOGEMAN REALTY COMPANT, ETAL
DB 7679, PG 2200
96 SF P.H.E.
497 SF T.C.E.

DRWY
2269+65 RT.
31' WIDE PAVED APPROACH (8")
GRADE = -1.5% (6' ADA PATH)
-8.7% AT CL

127
VOID
24J410202
7710 WATSON RD
N/F
GANNETT OUTDOOR OF ST LOUIS
NO ACQUISITION

DRWY
2271+38 RT.
15' WIDE PAVED APPROACH (8")
GRADE = -6.0% / -1.5% (6' ADA PATH)
-13.8% AT CL

(1) CRASH CUSHION NOTE: HEIGHT OF CURB IN FRONT OF TYPE C CWET SHALL NOT EXCEED 4 IN.

NOTE: EXISTING LINEWORK SHOWN IN THIS AREA REPRESENTS ONGOING CONSTRUCTION ASSOCIATED WITH MSD BOX CULVERT EXTENSION (BY OTHERS) BUT SHOULD NOT BE CONSIDERED SURVEY

PLAN SHEET LEGEND
- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

SHEET 60 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

SCALE
0 20 40 60

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED	
8/2/2024	
MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	65
COUNTY	
ST. LOUIS	
JOB NO.	
J6S3582	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
ENGINEERING CORPORATION - 000631
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
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24J410026
7715 WATSON RD
N/F
ST LOUIS-GEORGETOWN ASSOCIATES
DB 6199, PG 51
NO ACQUISITION

24J410060
7521 RAVENSRIDGE RD
N/F
AB REALTY 1 LLC
DB 18431, PG 2559
NO ACQUISITION

DRWY
2272+56 LT.
NO IMPROVEMENTS

EXIST. INLET (UIP)
EXIST. INLET (UIP)
EXIST. INLET (UIP)
EXIST. R/W
MSD# 24J1-045D (UIP)
MSD# 24J1-044D (UIP)
MILL/OVERLAY LIMITS
6" (ABANDONED)
12"
90°
CONST. ℄ RTE 366
MILL/OVERLAY
N 36° 21' 33" E
MATCHLINE STA. 2272+00
MATCHLINE STA. 2277+00
2275
PT STA 2274+65.49
2273+00
2274+00
2275+00
2276+00
+22.33 32.83 RT
+35.40 34.79 RT
+21.16 25.93 RT
+61.80 31.17 RT
+70.66 25.69 RT
+34.77 26.30 RT
+43.57 31.72 RT
+99.69 26.53 RT
+27.01 26.72 RT
+78.61 26.89 RT
+89.69 35.40 RT
+36.93 37.16 RT
+68.63 37.83 RT
+40.97 43.14 RT
TYPE B C&G
5' SIDEWALK
R 20'
R 10'
LR PERP RAMP
SR PERP RAMP
TYPE S CURB
MSD# 24J1-058S (UIP)
CI 42
MH 43
EXIST. PB (ATG)
EXIST. R/W
EXIST. UTILITY ESM'T
EXIST. PP (UIP)
EXIST. RISER (UIP)
EXIST. INLET (UIP)
EXIST. ESM'T
VEGETATION WITHI SLOPE LIMITS (R)
EXIST. MANHOLE (ATG)
(UIP)
OE
FO
W
G

127
SEE PREVIOUS SHEET

DRWY
2273+46 RT.
24.0' WIDE PAVED APPROACH (8")
GRADE = +4.0% /
+1.5% (5' ADA PATH) / +8.7% AT CL

24J410246
7700 WATSON RD
N/F
DEALERS CLEARINGHOUSE L LC
DB 12979, PG 2204
NO ACQUISITION

24J410125
7698 WATSON RD
N/F
DEALERS CLEARINGHOUSE LLC
DB 12880, PG 1876
NO ACQUISITION

DRWY
2275+67 RT.
60.5' WIDE PAVED APPROACH (8")
GRADE = +1.3% (ADA PATH) AT CL

24J410235
7696 WATSON RD
N/F
DEALERS CLEARINGHOUSE LLC
DB 12960, PG 775
NO ACQUISITION

DRWY
2276+53 RT.
32' WIDE PAVED APPROACH (8")
GRADE = -1.5% (8' ADA PATH) /
-9.6% AT CL

PLAN SHEET LEGEND
- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

SHEET 61 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

SCALE
0 20 40 60

PLAN SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED: 8/2/2024
MO ROUTE: 366 | STATE: MO
DISTRICT: SL | SHEET NO.: 66
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
REV.
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STA. 2277+00
MATCHLINE STA. 2277+00
STA. 2282+00
MATCHLINE STA. 2282+00
2280
EXIST. R/W
EXIST. R/W
CONST. ℄ RTE 366
2278+00
2279+00
2280+00
2281+00
24J410170
7655 WATSON RD
N/F
OUR LADY OF LIFE APARTMENTS INC
DB 7348, PG 1512
NO ACQUISITION
24J410224
7666 WATSON RD
N/F
GROW AUTOMOTIVE LLC
DB 23258, PG 3007
NO ACQUISITION
24J410147
7646 WATSON RD
N/F
CICARDI PROPERTIES L L C
DB 17095, PG 1942
NO ACQUISITION
TYPE B C&G
+23.98 26.77 RT
+34.52 37.56 RT
+96.84 26.97 RT
+87.64 26.96 RT
+60.12 27.00 RT
+54.97 27.01 RT
+10.82 27.12 RT
+28.96 27.13 RT
+96.09 27.14 RT
+60.31 27.13 RT
+20.82 26.97 RT
N 36° 21′ 33″ E
MILL/OVERLAY
TYPE B C&G
BUSH (R)
GI 44
12″ PIPE
SR PERP RAMP
EXIST. INLET (ATG)
EX. GRATE (ATG)
LR PERP RAMP
TYPE B C&G
5′ SIDEWALK
VEGETATION WITHIN SLOPE LIMITS (R)
BUSH (R)
BUSH (UIP)
EXIST. MANHOLE (ATG)
EXIST. GAS ESM'T
BUSH (UIP)
SR PERP RAMP EXIST. PP (UIP)
EXIST. R/W
BUSHES (UIP)
EXIST. MANHOLE (UIP)
EXIST. LIGHT (RELOC.)
BUSHES (UIP)
MH 45
EXIST. INLET (CONVERT TO MH)
MSD# 24J1-057S (UIP)
EXIST. UTILITY ESM'T
DRWY 2277+55 RT. 40.5′ WIDE PAVED APPROACH (8″) GRADE = -1.3% (ADA PATH) AT CL
DRWY 2278+26 RT. 38.5′ WIDE PAVED APPROACH (8″) GRADE = +0.7% (ADA PATH) AT CL
DRWY 2278+86 RT. 30.5′ WIDE PAVED APPROACH (8″) GRADE = 0.5% / -1.5% (5′ ADA PATH) / -3.5% AT CL
DRWY 2279+68 RT. 30′ WIDE PAVED APPROACH (8″) GRADE = +1.0% / -1.5% (5′ ADA PATH) / -4.5% AT CL
DRWY 2280+86 RT. 28′ WIDE PAVED APPROACH (8″) GRADE = +1.5% (8.5′ ADA PATH) / +4.2% AT CL

SHEET 62 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

SCALE
0 20 40 60

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24J430622
7601 WATSON RD
N/F
MARY, QUEEN AND MOTHER ASSOCIATION
DB 7271, PG 2081
NO ACQUISITION

DRWY
2283+02 LT.
NO IMPROVEMENTS

MSD# 24J1-077S (UIP)
MSD# 24J1-084D (UIP)
EXIST. LIGHTS (UIP)
MSD# 24J1-085D (UIP)
T2 PAR RAMP
MSD# 24J1-082D (UIP)
(DND)
MSD# 24J1-083D (UIP)
EXIST. R/W
EXIST. MANHOLE (UIP)
+27.81
45.03 LT
R25'
(UIP)
+89.01
+96.01
34.89 LT
34.87 LT
BUS STOP 8711 PAD
EXIST. R/W
+51.99
26.46 LT
+73.99
+78.99
TYPE B C&G
MID BLOCK CROSSING W/ RRFB
EXIST. BUS STOP 8775 (RELOCATE EAST)
CONST. ℄ RTE 366
90°
N 36° 21' 33" E
EXIST. BUS SHELTER (RBO)
EXIST. BUS STOP PAD (R)
EXIST. LIGHT (RELOC.)
EXIST. RISER (UIP)
EXIST. PB (ATG)
+74.13
+79.13
MILL/OVERLAY
+22.57
+29.57
MSD# 24J1-060D (UIP)
EXIST. PB (ATG)
5' SIDEWALK
COMP PERP RAMP
RELOCATED BUS STOP 8775
MSD# 24J1-084S (UIP)
EXIST. R/W
EXIST. GAS ESM'T
MSD# 24J1-056S (UIP)
EXIST. INLET (UIP)
MSD# 24J1-059D (UIP)
TREES (DND)
EXIST. INLET (UIP)
EXIST. INLET (UIP)

MATCHLINE STA. 2282+00
MATCHLINE STA. 2287+00
2283+00
2284+00
2285+00
2286+00
2285

128

24J440155
7594 WATSON RD
N/F
COURTLAND MANOR APARTMENTS LLC
75 SF T.C.E.

PLAN SHEET LEGEND
- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

SHEET 63 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	67

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
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ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

SCALE
0 20 40 60

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED: 8/2/2024
MO ROUTE: 366 | STATE: MO
DISTRICT: SL | SHEET NO.: 68
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MATCHLINE STA. 2287+00

MATCHLINE STA. 2292+50

24J430622
7601 WATSON RD
N/F
MARY, QUEEN AND MOTHER ASSOCIATION
DB 7271, PG 2081
NO ACQUISITION

MSD# 24J1-0174D (UIP)

DRWY
2290+80 LT.
NO IMPROVEMENTS

2290

EXIST. ESM'T

EXIST. INLET (UIP)

EXIST. R/W

6" (ABANDONED)

12"

2288+00 2289+00 2290+00 2291+00 2292+00

CONST. ℄ RTE 366

S 36° 21' 33" W

MILL/OVERLAY

5' SIDEWALK
+27.59
26.80 RT

LR PERP RAMP
BUSH (UIP)

SR PERP RAMP

+23.30
27.68 RT

TYPE B C&G

5' SIDEWALK

EXIST. PB (ATG)
+72.45
29.18 RT

SR PERP RAMP

+26.63
29.85 RT

SR PERP RAMP

EXIST. PB (ATG)

6' SIDEWALK

TYPE B C&G

GI 47

12" PIPE

EXIST. INLET
(CONVERT TO
MANHOLE)

MH 65

LR PERP RAMP

LR PERP RAMP

R 19.5'
R 18'
R 13'
R 13'

90°

EXIST. R/W

EXIST. PP (UIP)

EXIST. GAS ESM'T (UIP)

EXIST. MSD ESM'T

EXIST. WV (UIP)

MSD# 24J1-055S (UIP)

LANDSCAPING (DND)

EXIST. INLET (UIP)

+88.22
37.65 RT

+97.99
35.70 RT

DRWY
2287+76 RT.
57.5' WIDE PAVED APPROACH (8")
GRADE = +1.0% /
-1.4% (6.5' ADA PATH) AT CL

128
SEE PREVIOUS SHEET

24J440166
7500 WATSON RD
24J440078
7590 WATSON RD
N/F
C & E INVESTMENT PROPERTIES, INC
DB 18098, PG 1381
NO ACQUISITION

DRWY
2290+00 RT.
31' WIDE PAVED APPROACH (8")
GRADE = +1.5% /
-1.5% (5' ADA PATH) / -3.5% AT CL

DRWY
2290+50 RT.
30' WIDE PAVED APPROACH (8")
GRADE = -1.5% (8' ADA PATH) /
-5.6% AT CL

24J440111
7570 WATSON RD
N/F
WATSON ROAD PROPERTY LLC
DB 20600, PG 3081
NO ACQUISITION

DRWY
2292+15 RT.
29' WIDE PAVED APPROACH (8")
GRADE = -1.5% (6' ADA PATH) /
-6.4% AT CL

SHEET 64 OF 73

PLAN SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

PLAN SHEET

ROUTE 366
WATSON ROAD

DESCRIPTION | DATE | REV.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ENGINEERING CORPORATION - 000631
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ST. LOUIS, MO 63102 (314) 436-5500
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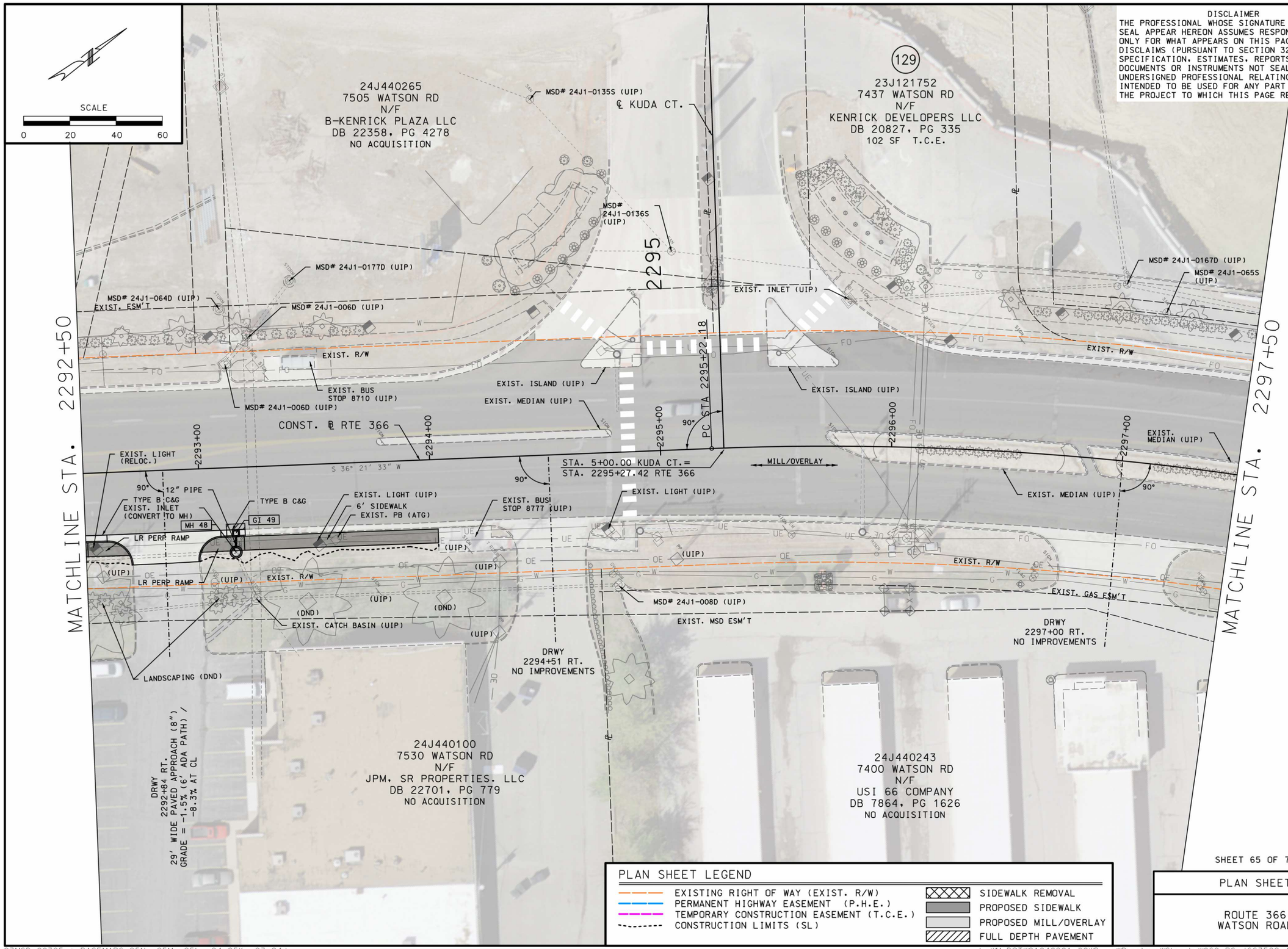

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PLAN SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

SHEET 65 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED: 8/2/2024
MO ROUTE: 366
STATE: MO
DISTRICT: SL
SHEET NO.: 69
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

SCALE

0 20 40 60

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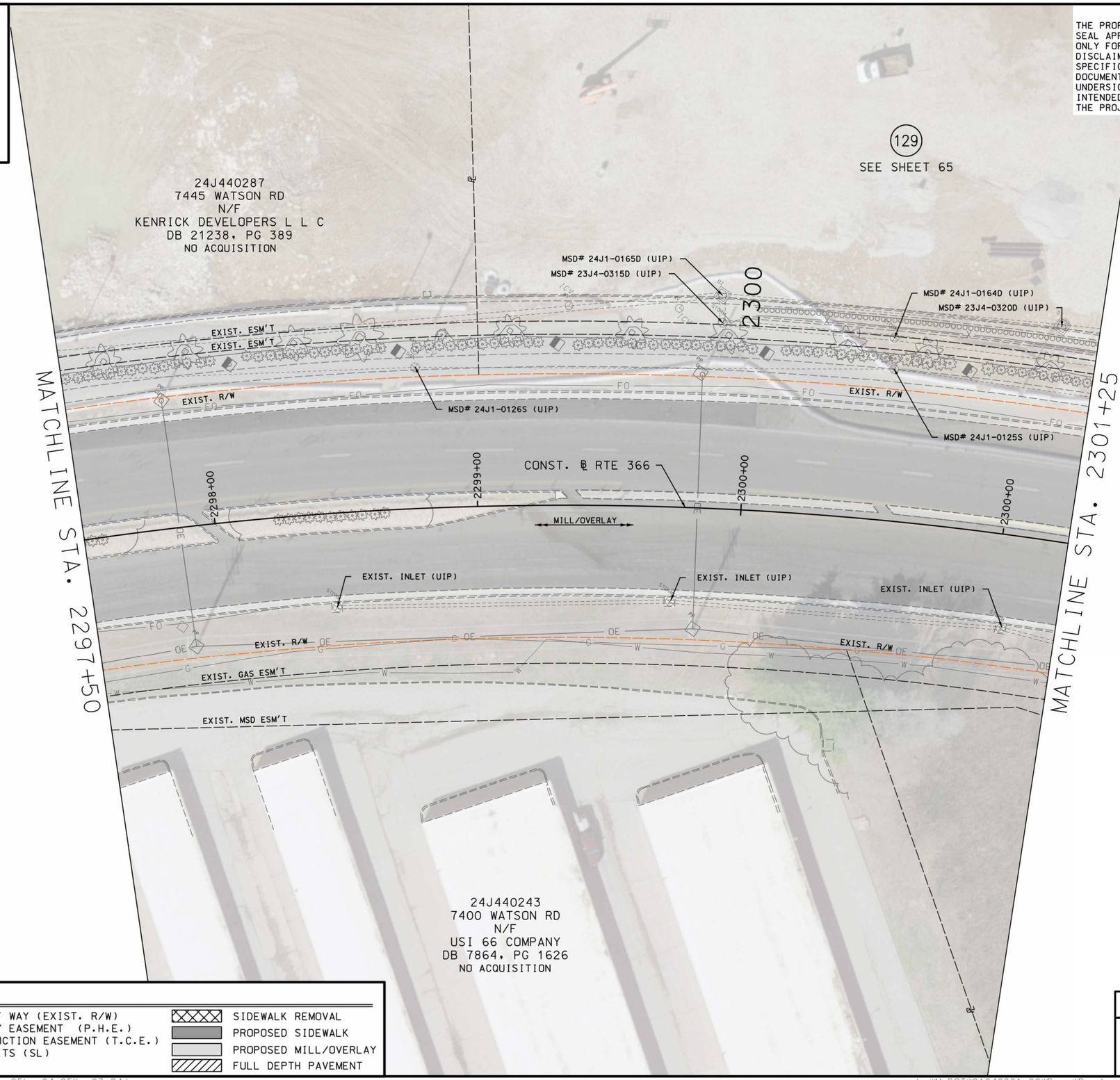

PLAN SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED: 8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	70

COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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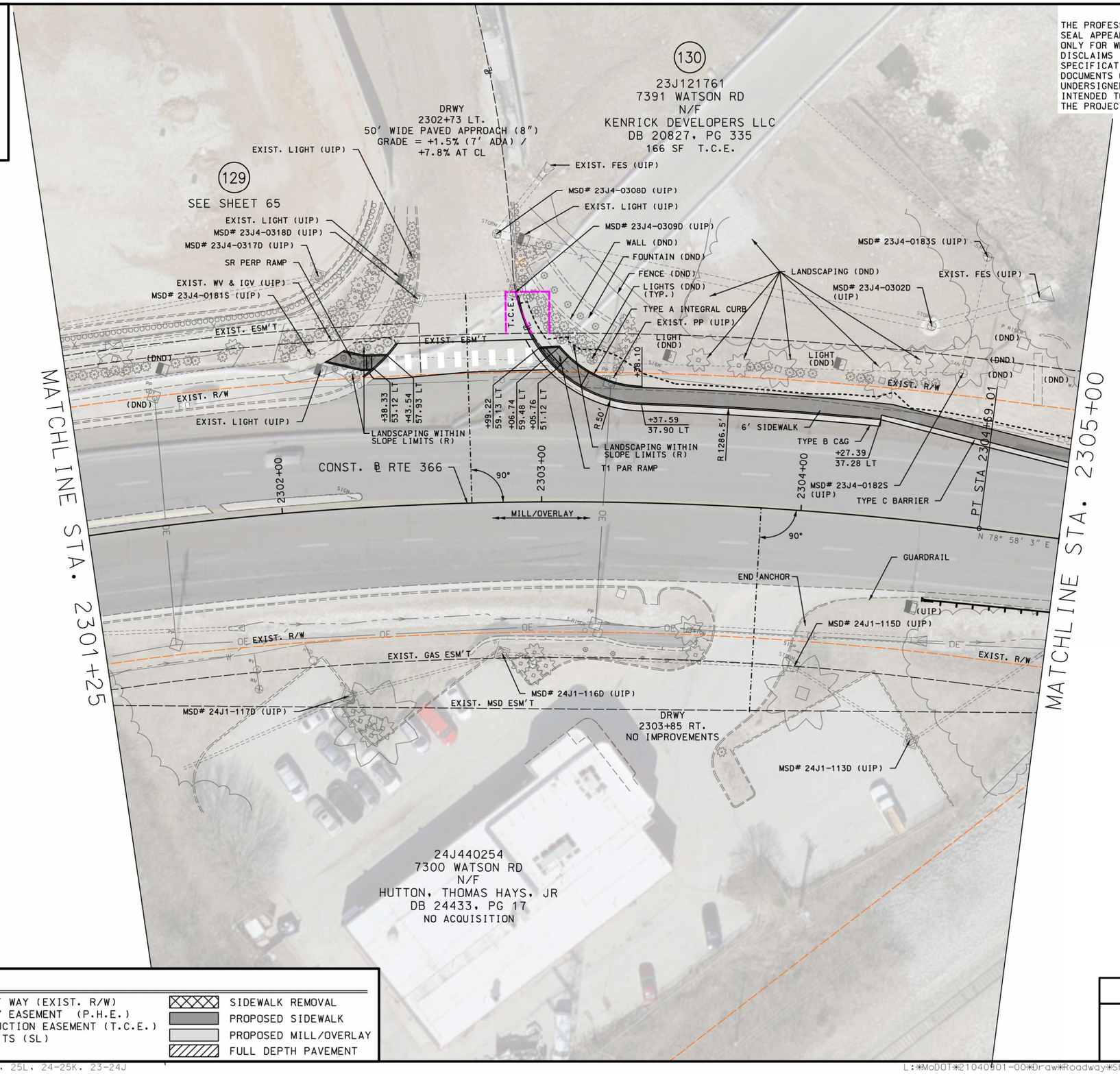
SHEET 66 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

SCALE

0 20 40 60



PLAN SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED: 8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	71

COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE	REV.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
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ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

SHEET 67 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

SCALE
0 20 40 60

DISCLAIMER
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23J120164
75 KENRICK PLZ
N/F
KENRICK PM, LLC
DB 23796, PG 1928
NO ACQUISITION

23J210816
7359 WATSON RD
N/F
CAPLACO TWENTY-TWO, INC, ETAL
DB 11776, PG 2341
NO ACQUISITION

24J510072
6901 MACKENZIE RD
N/F
CATHOLIC CEMETERIES OF ARCHDIOCESE
DB 7057, PG 1853
NO ACQUISITION

BNSF RAILROAD

MATCHLINE STA. 2305+00

MATCHLINE STA. 2310+00

MSD# 23J4-203D (UIP)
CHAIN LINK FENCE
EXIST. ESM'T
EXIST. PP (UIP)
EXIST. OUTLET (UIP)
EXIST. R/W
EXIST. 8'x3' BOX CULVERT (UIP)
MSD# 23J4-131S (UIP)
EXIST. PP (UIP)
EXIST. LIGHT (UIP)
+17.30 27.34 LT
TYPE C BARRIER
ROCK FILL
VEGETATION WITHIN SLOPE LIMITS (R)
TIE INTO CULVERT
12" PIPE
GI 50
5' SIDEWALK
TYPE C CONCRETE BARRIER
+86.66 28.74 LT
+91.62 28.05 LT
2306+00
2307+00
EXIST. R/W
EXIST. GUARDRAIL (R)
S 78° 58' 3" W
GUARDRAIL
END ANCHOR
ROCK FILL
TYPE C CONCRETE BARRIER
MSD UNKNOWN (UIP)
EXIST. R/W
EDGE OF WATER
EXIST. FES (UIP)
MSD# 23J4-052S (UIP)
BNSF RAILROAD
MSD# 23J4-257D (UIP)
MSD# 23J4-118S (UIP)
+00.01 29.50 LT
+90.15 27.86 LT
GI 51
12" PIPE
MH 52
TYPA A INTEGRAL CURB
2308+00
CONST. ℄ RTE 366
GI 54
12" PIPE
MH 53
EXIST. INLET (CONVERT TO MH)
PC STA. 2308+61.35
MILL/OVERLAY
EXIST. PP (UIP)
MSD# 23J4-256D (UIP)
MSD# 23J4-159S (UIP)
EXIST. MSD ESM'T
EXIST. INLET (CONVERT TO MH)
MH 55
EXIST. R/W (UIP)
VEGETATION WITHIN SLOPE LIMITS (R)
+55.51 29.92 LT
12" PIPE
GUARDRAIL
2309+00
GI 56
CWET
+45.37 31.11 LT
6' SIDEWALK
TYPE B C&G
EXIST. R/W

PLAN SHEET LEGEND
- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

SHEET 68 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	72

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
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REV.

SCALE
0 20 40 60

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131
SEE NEXT SHEET

MATCHLINE STA. 2310+00

MATCHLINE STA. 2315+00

VEGETATION WITHIN SLOPE LIMITS (R)
EXIST. ESM'T
EXIST. ESM'T
EXIST. R/W
FO
TREES (DND)
TREES (DND)
EXIST. INLET (ATG)
EXIST. R/W
6' SIDEWALK
EXIST. INLET (ATG)
EXIST. INLET (ATG)
R 1255.5'
TYPE B C&G
6' SIDEWALK
2311+00
2312+00
CONST. ℄ RTE 366
2313+00
2314+00
MILL/OVERLAY
OE
EXIST. R/W
EXIST. R/W

24J510072
6901 MACKENZIE RD
N/F
CATHOLIC CEMETERIES OF ARCHDIOCESE
DB 7057, PG 1853
NO ACQUISITION

PLAN SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

PLAN SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	73

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

SCALE
0 20 40 60

131
23J210807
7345 WATSON RD
N/F
ST ANTHONYS MEDICAL CENTER
DB 22538, PG 271
844 SF T.C.E.

132
23J220583
7259 WATSON RD
N/F
CAPLACO TWENTY-TWO, INC, ETAL
DB 11776, PG 2341
2328 SF T.C.E.

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℄ JACOBS COAL RD.
EXIST. INLET (UIP)
EXIST. DRAINAGE ESM'T
MSD# 23J4-268D (UIP)
MSD# 23J4-267D (UIP)
EXIST. MANHOLE (UIP)
EXIST. TMH (UIP)
(DND)
T.C.E.
MSD# 23J4-270D (UIP)
MSD# 23J4-271D (UIP)
LR PERP RAMP
LR PERP RAMP T.C.E.
EXIST. SIGN (DND)
EXIST. BUS STOP 8708 (UIP)
EXIST. SIGN (UIP)
EXIST. INLET (ATG)
EXIST. SIGNAL ESM'T.
TYPE A INTEGRAL CURB
EXIST. R/W
MSD# 23J4-269D (ATG)
EXIST. INLET (ATG)
6' SIDEWALK
EXIST. INLET (ATG)
6' SIDEWALK
EXIST. INLET (ATG)
+71.59
51.27 LT
+78.85
51.31 LT
2316+00
PT STA 2316+47.39
2317+00
SEE SIGNAL PLANS FOR SIGNAL RELATED ITEMS
90°00'00"
CONST. ℄ RTE 366
2315+00
2315+00
N 47° 31' 56" E
MILL/OVERLAY
STA. 5+00.00 JACOBS COAL RD. =
STA. 2317+47.93 RTE 366
MATCHL INE STA. 2315+00
MATCHL INE STA. 2320+00
(UIP)
EXIST. R/W
EXIST. GUARDRAIL (UIP)
EXIST. INLET (UIP)

24J510072
6901 MACKENZIE RD
N/F
CATHOLIC CEMETERIES OF ARCHDIOCESE
DB 7057, PG 1853
NO ACQUISITION

PLAN SHEET LEGEND
- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

SHEET 70 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	74

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

REV.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
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ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
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SCALE
0 20 40 60

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132
SEE SHEET 70

MATCHLINE STA. 2320+00

LANDSCAPING AND SIGN (DND)
MSD# 23J3-102D (ATG)
EXIST. R/W
+50.00
(DND)
EXIST. PB (ATG)
6' SIDEWALK
2321+00
2322+00
CONST. ℄ RTE 366
2323+00
N 47° 31' 56" E
MILL/OVERLAY
EXIST. BUS STOP 8778 (R)
EXIST. R/W
+00.00
MSD# 23J3-103D (UIP)
EXIST. PP (UIP)
6' SIDEWALK
EXIST. SHELTER (UIP)
EXIST. BUS STOP 8707 PAD (R & R)
EXIST. RISER (UIP)
2324+00
+16.98
47.40 LT
+24.11
47.46 LT
EXIST. INLET (UIP)
+98.38
MSD# 23J3-043D (ATG)
EXIST. PP (UIP)
MSD# 23J3-044D (UIP)
EXIST. R/W
EXIST. FENCE (DND)

MATCHLINE STA. 2325+00

24J510072
6901 MACKENZIE RD
N/F
CATHOLIC CEMETERIES OF ARCHDIOCESE
DB 7057, PG 1853
NO ACQUISITION

PLAN SHEET LEGEND
- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

SHEET 71 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED: 8/2/2024
MO ROUTE: 366
STATE: MO
DISTRICT: SL
SHEET NO.: 75
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ST. LOUIS, MO 63102 (314) 436-5500
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SCALE
0 20 40 60

PLAN SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED: 8/2/2024
MO ROUTE: 366 | STATE: MO
DISTRICT: SL | SHEET NO.: 76
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION | DATE | REV.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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132
SEE SHEET 70

NOTE: EXISTING LINEWORK SHOWN AT THIS INTERSECTION REPRESENTS ONGOING CONSTRUCTION ASSOCIATED WITH MODOT'S ROUTE P PROJECT (BY OTHERS) BUT SHOULD NOT BE CONSIDERED SURVEY

MATCHLINE STA. 2325+00

℄ MACKENZIE POINTE
EXIST. DRAINAGE ESM'T
MSD# 23J3-051S (UIP)
EXIST. SIGN (DND)
LANDSCAPING (DND)
TYPE A INTEGRAL CURB
EXIST. INLET (UIP)
WALLS (DND)
(DND)
(UIP)
EXIST. R/W
WALL (UIP)
6' SIDEWALK
MSD# 23J3-042D (ATG)
+18.57
EXIST. LIGHT (UIP)
EXIST. ISLAND (UIP)
EXIST. WALL & SIGN (DND)
+89.32
EXIST. LIGHT (UIP)
EXIST. ISLAND (UIP)
+97.03
EXIST. INLET (UIP)
EXIST. WV (UIP)
TYPE A INTEGRAL CURB
EXIST. MANHOLE (UIP)
2330
LANDSCAPING & SIGN (DND)
WALL (DND)
+50.00
EXIST. PB (UIP)
EXIST. PP (UIP)
MSD# 23J3-0050S (UIP)
MSD# 23J3-036D (ATG)
MSD# 23J3-037D (ATG)
EXIST. WV (UIP)
6' SIDEWALK
EXIST. PB (UIP)
MSD# 23J3-049S (UIP)
EXIST. MEDIAN (UIP)
2326+00
CONST. ℄ RTE 366
N 47° 31' 56" E
90°
2327+00
2328+00
2329+00
2330+00
STA. 5+00.00 RTE P (MACKENZIE PT.)=
STA. 2327+09.64 RTE 366
STA. 5+00.00 RTE P (MACKENZIE RD.)=
STA. 2327+69.48 RTE 366
MILL/OVERLAY
EXIST. MEDIAN (UIP)
40°2'8"
90°
90°
EXIST. PP (UIP)
EXIST. ISLAND (UIP)
EXIST. ISLAND (UIP)
EXIST. R/W
EXIST. FENCE (DND)
EXIST. LIGHT (UIP)
CURB RAMP (BY OTHERS)
(UIP)
EXIST. MEDIAN (UIP)
MSD# 23J3-040D (UIP)
(UIP)
(UIP)
(UIP)
(UIP)
(UIP)
(UIP)
(DND)
DRWY 2329+37 RT. NO IMPROVEMENTS
MSD# 23J3-048S (UIP)
MSD# 23J3-083D (UIP)
MSD# 23J3-082D (UIP)
MSD# 23J3-187C (UIP)
6' SIDEWALK
LR PERP RAMP
LR PERP RAMP
EXIST. R/W
LANDSCAPING (DND)
DRWY 2329+97 RT.
28' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6' ADA PATH) / +8.3% AT CL
24J510072
6901 MACKENZIE RD
N/F
CATHOLIC CEMETERIES OF ARCHDIOCESE
DB 7057, PG 1853
NO ACQUISITION
℄ RTE P/MACKENZIE RD
EXIST. R/W
23J220484
7142 VILLANOVA PLZ
N/F
CTESS, LLC
DB 17728, PG 1769
NO ACQUISITION
EXIST. R/W
23J240031
7210 WATSON RD
N/F
JL WATSON SCHULER LLC
DB 24758, PG 2642
NO ACQUISITION
MATCHLINE STA. 2330+25

SHEET 72 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

SCALE
0 20 40 60

MATCHLINE STA. 2330+25

MSD# 23J3-115D (UIP)
EXIST. INLET (UIP)
132
SEE SHEET 70

133
23J240121
7201 WATSON RD
N/F
PREFERRED DEVELOPMENT CORPORATION
DB 7488, PG 989
216 SF T.C.E.

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DRWY 2331+00 LT.
26' WIDE PAVED APPROACH (8")
GRADE = +1.5% (15' ADA PATH) / +10.4% AT CL

DRWY
2333+90 LT.
44.5' WIDE PAVED APPROACH (8")
GRADE = +1.5% (8' ADA PATH) / +9.5% / +13.5% AT CL

MSD# 23J3-038D (UIP)
MSD# 23J3-117D (UIP)
MSD# 23J3-116D (UIP)
MSD# 23J3-164C (UIP)
MSD# 23J3-209C (UIP)
MSD# 23J3-055S (ATG)
MSD# 23J3-163C (UIP)

EXIST. LANDSCAPING (DND)
ROCK FILL
EXIST. ESM'T
LANDSCAPING (UIP)
SIGN (DND)
EXIST. GV (ATG)
EXIST. MANHOLE (UIP)
DRWY 2335+42 LT. NO IMPROVEMENTS
2335
EXIST. PP (UIP)
T.C.E.
LR PERP RAMP
EXIST. R/W
EXIST. FH (UIP)
EXIST. WV (UIP)
EXIST. RISER (RELOC.)
6' SIDEWALK
MILL/OVERLAY LIMITS
+77.79 48.78 LT
+74.18 44.90 LT
+12.12 42.79 LT
+13.92 42.14 LT
+76.22
T2 PAR RAMP
5' SIDEWALK
PROP. 6" RAISED ISLAND (REMOVE EXISTING)
EXIST. BUS STOP 8706 (RELOCATE EAST)
6' SIDEWALK
SIDEWALK TRENCH DRAIN TYPE B C&G
RELOCATED BUS STOP 8706
TYPE B C&G
6' SIDEWALK
2334+00
2332+00
2333+00
2334+00
2335+00
90°
CONST. ℄ RTE 366
S 47° 31' 56" W
MILL/OVERLAY
EXIST. MEDIAN (UIP)
END MILL/OVERLAY
STA. 2334+96.81
END PROJECT
STA. 2335+61.34

EXIST. FH (UIP)
EXIST. BUS STOP 8779
6' SIDEWALK
LR PERP RAMP
EXIST. PB (ATG)
EXIST. PP (UIP)
EXIST. WV (ATG)
EXIST. WV (UIP)
LANDSCAPING (DND)
63.44 RT +34.82 63.46 RT
LR PERP RAMP TYPE B C&G
6' SIDEWALK
TYPE B C&G LR PERP RAMP
R 10'
OE
EXIST. R/W
EXIST. WV & GV (UIP)
EXIST. PB (ATG)
TYPE B C&G
+5.55 37.28 RT
6' SIDEWALK +41.56 41.19 RT
EXIST. FH (UIP) +20.09 48.94 RT
+98.38 51.64 RT
EXIST. BUS STOP 8780 & SHELTER (UIP) REPLACE CONRETE PAD
EXIST. CURB (UIP)
EXIST. SIGN & LANDSCAPING (DND)

DRWY 2330+67 RT.
28.5' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6' ADA PATH) / +9.8% AT CL

DRWY 2331+35 RT.
49' WIDE PAVED APPROACH (8")
GRADE = +1.5% (12' ADA PATH) / +8.3% AT CL

23J240064
7220 WATSON RD
N/F
ROJANA ENTERPRISES, INC
DB 23114, PG 833
NO ACQUISITION

DRWY 2332+99 RT.
49.5' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) / +2.9% AT CL

DRWY 2333+62 RT.
28' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) / +8.9% AT CL

23J330044
7208 WATSON RD
N/F
CROYDON PROPERTIES, LLC
DB 19879, PG 2285
NO ACQUISITION

DRWY 2334+40 RT.
39.5' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) / +3.0% AT CL

23J330077
7200 WATSON RD
N/F
CHIPSON LIMITED PARTNERSHIP
DB 11572, PG 116
NO ACQUISITION

DRWY 2335+91 RT.
NO IMPROVEMENTS

PLAN SHEET LEGEND
- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

DATE PREPARED: 8/2/2024
MO ROUTE: 366
STATE: MO
DISTRICT: SL
SHEET NO.: 77
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE | REV.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

SHEET 73 OF 73

PLAN SHEET

ROUTE 366
WATSON ROAD

DISCLAIMER
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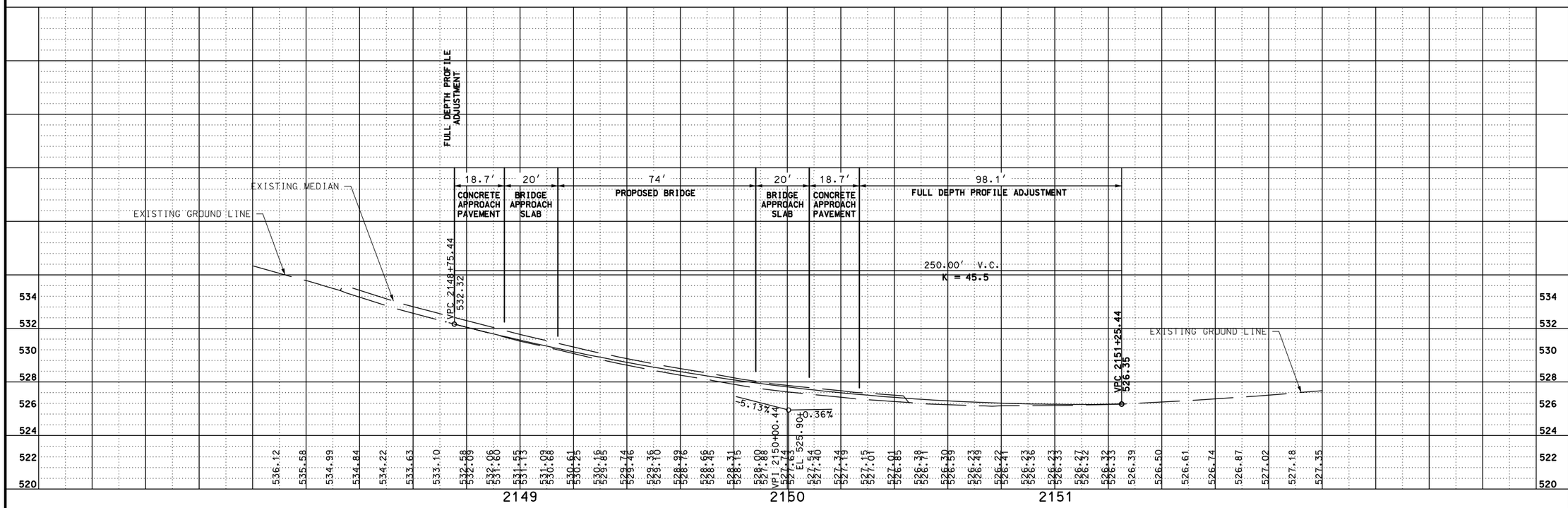

PROFILE SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/24/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	78

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

REV.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

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SCALE

0 20 40 60

ROW SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. ROW)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY

DISCLAIMER

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NOTE: CENTERLINE SHOWN IS A CONSTRUCTION CENTERLINE SPECIFIC TO THIS PROJECT & NOT THE ORIGINAL LEGACY CENTERLINE.

CURVE RTE366_1
PI 2003+54.54
PC 2000+00.00
PT 2007+04.65
Δ 15° 40' 44.5" (RT)
D 2° 13' 30.3"
L 704.65'
T 354.54'
R 2,575.00'

I-44 RAMP

2000

PC STA 2000+00.00

2001+00

CONST. ℄ RTE. 366

2002+00

2003+00

2004+00

MATCHLINE STA. 2004+00

STA 2002+00
BEGIN PROJECT
BEGIN MILL/OVERLAY

SIGN

MILL/OVERLAY

I-270 RAMP

26N630475
12605 ROTT RD
N/F
MERCY HEALTH
DB 20142, PG 1780
NO ACQUISITION

SHEET 1 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

BRIAN D. KIERATH JR. NUMBER PE-2023008624
PROFESSIONAL ENGINEER
STATE OF MISSOURI
09/05/2024 6:45:57 PM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED 7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	79

COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr., Ste 300
Chesterfield, Missouri 63017
636.240.2444
www.gbateam.com
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

SCALE

0 20 40 60

ROW SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. ROW)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY

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2005

MATCHLINE STA. 2004+00

CURVE RTE366_1
PI 2003+54.54
PC 2000+00.00
PT 2007+04.65
Δ 15° 40' 44.5" (RT)
D 2° 13' 30.3"
L 704.65'
T 354.54'
R 2,575.00'

2004+00 2005+00 2006+00 2007+00 PT STA 2007+04.65 2008+00 2009+00

CONST. ℄ RTE. 366

N 72° 21' 31" E

MILL/OVERLAY

MATCHLINE STA. 2009+00

26N630475
12605 ROTT RD
N/F
MERCY HEALTH
DB 20142, PG 1780
NO ACQUISITION

26N630486
3637 S GEYER RD
N/F
MERCY HEALTH
DB 20142, PG 1780
NO ACQUISITION

SHEET 2 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

BRIAN D. KIERATH JR. NUMBER PE-2023008624
PROFESSIONAL ENGINEER
STATE OF MISSOURI
09/05/2024 6:45:57 PM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED 7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	80

COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

SCALE
0 20 40 60

S 78° 34' 45" E

STA 2+10.00
BEGIN MILL/OVERLAY

PC STA 2+57.10

CURVE 44ON_3
PI 4+80.37
PC 2+57.10
PT 6+94.03
Δ 29° 03' 44.1" (LT)
D 6° 39' 05.4"
L 436.93'
T 223.27'
R 861.40'

2010

5

℄ I-44 ON RAMP

MATCHL INE STA. 2009+00

MATCHL INE STA. 2013+50

2009+00 2010+00 2011+00 2012+00 2013+00

2+00 3+00 4+00 5+00

N 72° 21' 31" E

CONST. ℄ RTE. 366

MILL/OVERLAY

SIGN

26N630486
3637 S GEYER RD
N/F
MERCY HEALTH
DB 20142, PG 1780
NO ACQUISITION

ROW SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. ROW)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
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DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	81

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SHEET 3 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

REV.

SCALE
0 20 40 60

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DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	82

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MATCHLINE STA. 18+50

25N320021
10877 WATSON RD
N/F
WILLIAMS JAMES A
REVOCABLE LIVING TRUST
DB 23504, PG 3943
NO ACQUISITION

EXIST. R/W

S GEYER RD
S 1° 12' 01" W

19+00

2015

CURVE 44ON_3
PI 4+80.37
PC 2+57.10
PT 6+94.03
Δ 29° 03' 44.1" (LT)
D 6° 39' 05.4"
L 436.93'
T 223.27'
R 861.40'

MATCHLINE STA. 2013+50

℄ I-44 RAMP

6+00
2014+00
PT STA 6+94.03
2015+00
2016+00
2017+00
2018+00

CONST. ℄ RTE. 366
MILL/OVERLAY

N 72° 21' 31" E

71.2°

POT STA 20+00.00

20

MATCHLINE STA. 2018+50

21+00

EXIST. R/W

26N630486
3637 S GEYER RD
N/F
MERCY HEALTH
DB 20142, PG 1780
NO ACQUISITION

25N320164
3636 S GEYER RD
N/F
ASSESSOR UPDATE PENDING
DB 22548, PG 3427
NO ACQUISITION

S GEYER RD
S 1° 12' 01" W

22+00

STA 21+67
BEGIN
MILL/OVERLAY

ROW SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. ROW)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY

SHEET 4 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr, Ste 300
Chesterfield, Missouri 63017
636.240.2444
www.gbateam.com
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

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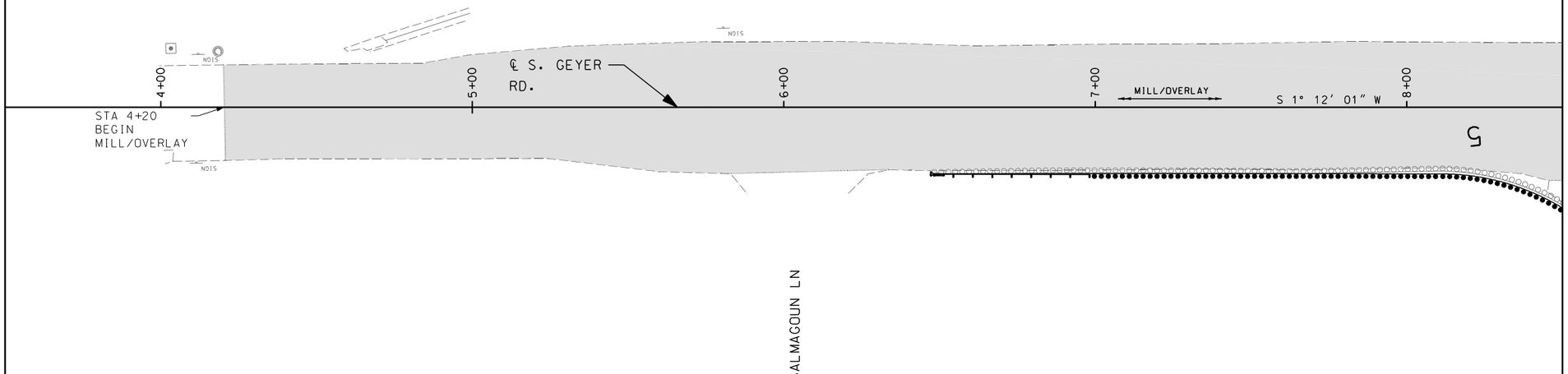
SCALE
0 20 40 60



ROW SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. ROW)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY

SHEET 5 OF 73

RIGHT OF WAY SHEET

ROUTE 366
SOUTH GEYER ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
09/05/2024 6:45:57 PM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	83

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

SCALE
0 20 40 60

10

MATCHLINE STA. 8+50

MATCHLINE STA. 13+50

9+00 10+00 11+00 12+00 13+00

℄ S. GEYER RD.

MILL/OVERLAY

S 1° 12′ 01″ W

STA 11+79
END MILL/OVERLAY

POT STA 5+00.00

82.5°

N 83° 42′ 00″ E

CRAGWOLD RD

PT STA 4+15.30

4+00

CURVE CRAGWOLD_3
PI 3+73.12
PC 3+07.62
PT 4+15.30
Δ 82° 15′ 45.3″ (RT)
D 76° 23′ 39.7″
L 107.68′
T 65.50′
R 75.00′

N 1° 26′ 15″ E

PC STA 3+01.62

3+00

POT STA 2+37.62

ROW SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. ROW)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY

SHEET 6 OF 73

RIGHT OF WAY SHEET

ROUTE 366
SOUTH GEYER ROAD

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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

09/05/2024 6:45:58 PM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	84

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE	REV.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr., Ste 300
Chesterfield, Missouri 63017
636.240.2444
www.gbateam.com
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SCALE
0 20 40 60

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25N320021
10877 WATSON RD
N/F
WILLIAMS JAMES A
REVOCABLE LIVING TRUST
DB 23504, PG 3943
NO ACQUISITION

EXIST. R/W

15

MATCHLINE STA. 13+50

MATCHLINE STA. 18+50

14+00 15+00 16+00 17+00 18+00

℄ S. GEYER RD.

S 1° 12′ 01″ W

STA 16+38
BEGIN
MILL/OVERLAY

MILL/OVERLAY

N01S

ROW SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. ROW)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY

SHEET 7 OF 73

RIGHT OF WAY SHEET

ROUTE 366
SOUTH GEYER ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

09/05/2024 6:45:58 PM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	85

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

SCALE
0 20 40 60

25N320021
10877 WATSON RD
N/F
WILLIAMS JAMES A
REVOCABLE LIVING TRUST
DB 23504, PG 3943
NO ACQUISITION

25N320032
10825 WATSON RD
N/F
10825 WATSON ROAD LLC
DB 20402, PG 947
NO ACQUISITION

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DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	86

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MATCHLINE STA. 2018+50

EXIST. R/W

2020

2019+00 2020+00 MILL/OVERLAY 2021+00 2022+00 2023+00 2024+00

CONST. ℄ RTE. 366

N 72° 21′ 31″ E

MATCHLINE STA. 2024+00

STA. 2023+29.82
60.00′ RT

STA. 2023+60.00
64.00′ RT

L = 10.00′
N 17° 38′ 29″ W

STA. 2023+29.82
70.00′ RT

L = 30.18′
S 72° 21′ 31″ W

L = 6.00′
S 17° 38′ 29″ E

STA. 2023+60.00
70.00′ RT

L = 270.41′
S 72° 21′ 31″ W

L = 300.60′
N 72° 21′ 31″ E

T.C.E. (TYP.)

EXIST. R/W

2

25M110212
10760 SUNSET HILLS PLZ
N/F
SUNSET HILLS OWNER LLC
DB 21768, PG 2562
3084 SF P.H.E.
5029 SF T.C.E.
1061993 SF ORIGINAL
1061993 SF REMAINING

25N320164
3636 S GEYER RD
N/F
ASSESSOR UPDATE PENDING
DB 22548, PG 3427
NO ACQUISITION

25N320153
3630 S GEYER RD
N/F
ASSESSOR UPDATE PENDING
DB 22548, PG 3420
NO ACQUISITION

℄

ROW SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. ROW)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY

SHEET 8 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
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PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

SCALE
0 20 40 60

25N320032
10825 WATSON RD
N/F
10825 WATSON
ROAD LLC
DB 20402, PG 947
NO ACQUISITION

25M110032
10795 WATSON RD
N/F
SWANK FAMILY REAL ESTATE LLC
DB 17630, PG 918
NO ACQUISITION

ROADWAY ESMT (50' W)
PB 158 PG 18

EXIST. R/W

EXIST. R/W

DRWY
STA. 2026+57 LT.
NO IMPROVEMENTS

EXIST. R/W

EXIST. R/W

2025

MATCHLINE STA. 2024+00

MATCHLINE STA. 2028+50

SIGN

2024+00

CONST. ℄ RTE. 366

2025+00

2026+00

90°

2027+00

2028+00

N 72° 21' 31" E

MILL/OVERLAY

STA. 2026+30.41
50.00' RT
L = 8.00'
N 17° 38' 29" W

SIGN

SIGN

EXIST. R/W

EXIST. R/W

STA. 2026+30.41
58.00' RT

STA. 2026+30.41
60.00' RT
L = 4.00'
S 17° 38' 29" E

STA. 2026+30.41
64.00' RT

T.C.E. (TYP.)

L = 300.60'
N 72° 21' 31" E

L = 270.41'
S 72° 21' 31" W

L = 246.90'
S 72° 21' 31" W

L = 307.72'
N 72° 21' 31" E

(2)

25M110212
10760 SUNSET HILLS PLZ
N/F
SUNSET HILLS OWNER LLC
DB 21768, PG 2562
SEE SHEET 86

ROW SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. ROW)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
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Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	87

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr., Ste 300
Chesterfield, Missouri 63017
636.240.2444
www.gbateam.com
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SHEET 9 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

REV.

SCALE
0 20 40 60

25M110032
10795 WATSON RD
N/F
SWANK FAMILY REAL ESTATE LLC
DB 17630, PG 918
NO ACQUISITION

25M110010
10775 WATSON RD
N/F
SAHNSONS LLC
DB 22766, PG 4178
NO ACQUISITION

DRWY
STA. 2031+02 LT.
NO IMPROVEMENTS

EXIST. R/W

2030

MATCHLINE STA. 2028+50

MATCHLINE STA. 2032+50

2029+00 2030+00 2031+00 2032+00

PC STA 2032+45.61

CONST. ℄ RTE. 366

90°

MILL/OVERLAY
N 72° 21′ 31″ E

STA. 2028+77.31
58.00′ RT

STA. 2029+38.13
50.00′ RT
L = 20.63′
N 17° 36′ 58″ W
STA. 2029+43.33
55.00′ RT

L = 5.10′
S 6° 32′ 22″ E

STA. 2030+92.52
50.00′ RT

STA. 2032+48.05
50.00′ RT
STA. 2032+40.91
50.00′ RT

EXIST. R/W

L = 25.40
N 47° 37′ 23″ W
STA. 2028+90.00
80.00′ RT

L = 16.48′
S 0° 47′ 37″ W
STA. 2029+38.12
70.63′ RT
L = 9.87′
S 0° 47′ 37″ W
STA. 2029+35.00
80.00′ RT

L = 45.00′
S 72° 21′ 31″ W

STA. 2030+91.54
55.00′ RT

L = 7.10′
N 72° 21′ 30″ E
L = 22.55′
R = 50.00′

L = 246.90′
S 72° 21′ 31″ W

L = 307.72′
N 72° 21′ 31″ E

L = 148.21′
S 72° 21′ 31″ W

L = 154.39′
N 72° 21′ 31″ E

L = 148.39′
N 72° 21′ 30″ E

L = 171.17′
S 72° 21′ 31″ W

DRWY
STA. 2029+09 RT.
33′ WIDE PAVED
APPROACH (8″)
GRADE = -1.5% (5′ ADA
PATH) / -11.15% AT ℄

(2)
25M110212
10760 SUNSET HILLS PLZ
N/F
SUNSET HILLS OWNER LLC
DB 21768, PG 2562
SEE SHEET 86

(3)
25M110221
10895 SUNSET HILLS PLZ, 63127
N/F
SUNSET HILLS OWNER LLC
DB 21768, PG 2562
811 SF T.C.E.
16553 SF ORIGINAL
16553 SF REMAINING

(4)
25M110142
10893 SUNSET HILLS PLZ
N/F
WAGENSEIL PROPERTIES LLC
DB 17868, PG 1901
818 SF T.C.E.
31015 SF ORIGINAL
31015 SF REMAINING

ROW SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. ROW)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY

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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
09/05/2024 6:45:58 PM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	88

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr., Ste 300
Chesterfield, Missouri 63017
636.240.2444
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GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

SHEET 10 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

SCALE
0 20 40 60

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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
09/05/2024 6:45:59 PM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED 7/26/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 89
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
8+54, 105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
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Chesterfield, Missouri 63017
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GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

MATCHLINE STA. 2032+50

MATCHLINE STA. 2037+50

S 17° 35' 49" E SUNSET OFFICE DR

SUNSET HILLS PLAZA

25M110043
10743 WATSON RD
N/F
SIYA 0806 LLC
DB 25048, PG 2483
NO ACQUISITION

DRWY
STA. 2035+59 LT.
38' WIDE PAVED APPROACH (8")
GRADE = 1.5% (5' ADA PATH) / 1.5% AT ℄

6
25M130508
10705 WATSON RD
N/F
ROUTE 66 HOSPITALITY LLC
DB 20298, PG 3086
1711 SF T.C.E.
280352 SF ORIGINAL
280352 SF REMAINING

CURVE RTE366_4
PI 2035+65.32
PC 2032+45.61
PT 2038+82.47
Δ 12° 34' 10.3" (RT)
D 1° 58' 25.3"
L 636.85'
T 319.71'
R 2,902.98'

EXIST. R/W
EXIST. 10'W SWBT ESMT PB 349, PG 46
EXIST. PERM DRAIN ESMT CAUSE 450739
EXIST. 15' SEWER ESMT PB 349, PG 46
EXIST. 30' SEWER ESMT PB 349, PG 46

MILL/OVERLAY
L = 22.55'
R = 50.00'
STA. 2032+63.04
54.95' RT
L = 24.09'
R = 50.00'
LOC. TAN.
90°
POT STA 5+00.00
L = 171.17'
N 72° 21' 31" E
STA. 2032+81.95
70.00' RT
P.H.E. (TYP.)
L = 224.73'
R = 2802.75'
L = 129.14'
R = 2832.98'
STA. 2034+14.29
70.00' RT
L = 8.07'
S 5° 13' 33" E
L = 18.57'
S 69° 37' 17" W
L = 20.54'
S 55° 33' 2" W
STA. 2034+35.24
54.89' RT
= 41.02'
69° 37' 17" W
STA. 2034+76.71
49.97' RT
STA. 2034+16.42
56.92' RT
L = 5.17'
S 5° 13' 33" E
STA. 2034+15.59
62.03' RT
L = 8.00'
N 11° 14' 20" W
STA. 2035+70.00
50.05' RT
STA. 2035+84.98
50.06' RT
= 15.04'
89° 32' 33" W
= 11.78'
= 2849.98'
= 14.06'
S 67° 54' 40" W
STA. 2036+26.02
50.12' RT
L = 8.02'
S 5° 13' 33" E
STA. 2035+70.00
58.05' RT
L = 14.72'
R = 2802.75'
STA. 2036+00.00
53.00' RT
L = 40.33'
R = 2802.75'
STA. 2036+12.00
53.00' RT
L = 105.52'
R = 2794.75'
L = 51.31'
R = 2802.75'
STA. 2036+77.67
58.20' RT
L = 10.07'
R = 2802.75'
L = 70.88'
R = 2794.75'
L = 47.12'
R = 2802.75'
L = 9.82'
R = 2849.98'
L = 70.88'
R = 2794.75'
L = 13.21'
R = 2802.75'
L = 8.00'
S 7° 41' 11" E
STA. 2037+50.00
58.35' RT
STA. 2036+78.22
50.20' RT
STA. 2036+88.41
50.22' RT
= 19.44'
S 89° 30' 17" W
STA. 2037+08.00
53.00' RT
STA. 2037+18.00
53.00' RT
= 18.43'
S 73° 29' 56" W
STA. 2037+36.56
50.32' RT
STA. 2037+50.00
50.35' RT
L = 138.48'
R = 2924.93'
L = 223.02'
N 83° 45' 3" E
STA. 2037+35.00
65.00' LT
L = 4.84'
N 7° 58' 56" W
STA. 2037+35.00
60.16' LT
EXIST. R/W
℄ US 50 RAMP
CONST. ℄ RTE. 366

4
25M110142
10893 SUNSET HILLS PLZ
N/F
WAGENSEIL PROPERTIES LLC
DB 17868, PG 1901
SEE SHEET 88

2
25M110212
10760 SUNSET HILLS PLZ
N/F
SUNSET HILLS OWNER LLC
DB 21768, PG 2562
SEE SHEET 86

5
25M110252
10797 SUNSET HILLS PLZ
N/F
SUNSET HILLS OWNER LLC
DB 21768, PG 2562
123 SF P.H.E.
772 SF T.C.E.
54450 SF ORIGINAL
54450 SF REMAINING

7
25M110274
10765 SUNSET HILLS PLZ
N/F
SUNSET HILLS OWNER LLC
DB 21768, PG 2562
186 SF P.H.E.
768 SF T.C.E.
36155 SF ORIGINAL
36155 SF REMAINING

APPROX EAST LINE FRACTIONAL SECTION 13
APPROX WEST LINE US SURVEY 2453

ROW SHEET LEGEND
EXISTING RIGHT-OF-WAY (EXIST. ROW)
PERMANENT HIGHWAY EASEMENT (P.H.E.)
TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
CONSTRUCTION LIMITS (SL)
SIDEWALK REMOVAL
PROPOSED SIDEWALK
PROPOSED MILL/OVERLAY

SHEET 11 OF 73
RIGHT OF WAY SHEET
ROUTE 366
WATSON ROAD

SCALE
0 20 40 60

SIGNAL IMPROVEMENTS AT THIS INTERSECTION WILL BE COORDINATED FOR CONSISTENCY WITH THE SB LINDBERGH SIGNAL ONCE THE BASS PRO DEVELOPMENT'S DESIGN IS APPROVED BY MODOT.

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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
09/05/2024 6:45:59 PM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED 7/26/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 90
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION | DATE | REV.

6
25M130508
10705 WATSON RD
N/F
ROUTE 66 HOSPITALITY LLC
DB 20298, PG 3086
SEE SHEET 89

CURVE RTE366_4
PI 2035+65.32
PC 2032+45.61
PT 2038+82.47
Δ 12° 34' 10.3" (RT)
D 1° 58' 25.3"
L 636.85'
T 319.71'
R 2,902.98'

CURVE WATSON_WBON_3
PI 505+13.87
PC 502+03.50
PT 507+29.63
Δ 76° 19' 03.8" (RT)
D 14° 30' 18.9"
L 526.14'
T 310.38'
R 395.00'

DRWY
STA. 2037+99 LT.
34' WIDE PAVED
APPROACH (8")
GRADE = 1.5% (5' ADA PATH) / 1.5% AT ℄

MATCHLINE STA. 504+70

STA. 505+00.00
15.00' RT

L = 2.93'
S 43° 4' 50" E

STA. 505+00.00
12.07' RT

41° 02' 22"

℄ WB RTE. 366 ON RAMP

PC STA 505+57.78

PT STA 505+94.89

505

L = 232.76'
R = 388.00'

L = 220.91'
R = 380.00'

EXIST. R/W

L = 30.09'
S 81° 58' 18" W

STA. 2039+54.73
65.75' LT

L = 44.77'
S 85° 48' 46" W

L = 223.02'
N 83° 45' 3" E

STA. 2038+70.67
60.01' LT

2040

L = 138.48'
R = 2924.93'

2038+00

90°

MILL/OVERLAY

PT STA 2038+82.47

2039+00

STA. 2039+15.19
59.30' LT

STA. 2039+46.24
60.85' LT

2040+00

2041+00

S 5° 04' 19" E

POT STA 506+50.00

N 84° 55' 41" E

2042+00

MATCHLINE STA. 2037+50

MATCHLINE STA. 2042+50

CONST. ℄
RTE. 366

STA. 2038+45.00
50.59' RT

EXIST. 5'x10' UNION ELEC. CO.
DB 7544, PG 141

L = 8.99'
R = 2802.75'
STA. 2038+54.14
50.61' RT
L = 17.14'
R = 2802.75'
PC STA 600+00.00
STA. 2038+74.67
55.14' RT

L = 5.02'
S 79° 45' 11" E

℄ EB RTE. 366
OFF RAMP
STA. 2038+94.53
52.01' RT

L = 6.75'
S 5° 7' 59" E

EXIST. R/W

L = 8.00'
N 5° 48' 41" W

STA. 2038+45.00
58.59' RT

L = 16.39'
N 79° 48' 43" W
L = 48.79'
R = 2794.75'
STA. 2038+70.22
55.04' RT
STA. 2038+71.59
50.66' RT

EXIST. PERM DRAIN ESMT CAUSE 450739

STA. 2038+94.54
58.76' RT
STA. 2038+89.70
50.68' RT
L = 19.97'
S 75° 51' 15" W
L = 17.92'
N 84° 55' 32" E
L = 4.36'
R = 358.00'

EXIST. 10'W SWBT ESMT
PB 349, PG 46

7
25M110274
10765 SUNSET HILLS PLZ
N/F
SUNSET HILLS OWNER LLC
DB 21768, PG 2562
SEE SHEET 89

25M120691
10738 SUNSET HILLS PLZ
N/F
SUNSET HILLS OWNER LLC
DB 21768, PG 2562
NO ACQUISITION

EXIST. R/W

EXIST. 10'W SWBT ESMT
PB 349, PG 46

MATCHLINE STA. 603+00

CURVE WATSON_EBOFF_1
PI 603+98.01
PC 600+00.00
PT 606+10.10
Δ 93° 42' 59.4" (RT)
D 15° 21' 38.9"
L 610.10'
T 398.01'
R 373.00'

ROW SHEET LEGEND
- EXISTING RIGHT-OF-WAY (EXIST. ROW)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

SHEET 12 OF 73
RIGHT OF WAY SHEET
ROUTE 366
WATSON ROAD

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
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PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059
BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SCALE
0 20 40 60

6
25M130508
10705 WATSON RD
N/F
ROUTE 66 HOSPITALITY LLC
DB 20298, PG 3086
SEE SHEET 89

℄ WB RTE. 366 OFF RAMP

℄ WB
RTE. 366
ON RAMP

EXIST. R/W

S 3° 54' 39" W

PT STA 706+92.79

PC STA 501+98.73

STA 706+48
END MILL/OVERLAY

STA 705+86
END MILL/OVERLAY

STA 503+24.40
BEGIN MILL/OVERLAY

CURVE_WATSON_WBON_3
PI 505+13.87
PC 502+03.50
PT 507+29.63
Δ 76° 19' 03.8" (RT)
D 14° 30' 18.9"
L 526.14'
T 310.38'
R 395.00'

CURVE_WATSON_WBOFF_3
PI 705+07.29
PC 701+83.61
PT 706+92.79
Δ 89° 45' 55.5" (RT)
D 17° 37' 46.1"
L 509.18'
T 323.67'
R 325.00'

STA. 706+47.80
11.72' RT
L = 4.68'
N 82° 23' 19" E
STA. 706+47.81
16.41' RT

T.C.E.
(TYP.)

22' W. PERMANENT
INGRESS/EGRESS ESMT.
BK 7246, PG 651

L = 67.39'
R = 313.00'

22' W. PERMANENT
INGRESS/EGRESS ESMT.
BK 7246, PG 651

STA. 705+77.88
11.92' RT

EXIST. PARKING
ESMT.
BK 12325, PG
1815

L = 175.62'
R = 1308.00'

L = 93.50'
R = 313.00'

STA. 704+80.77
12.20' RT
L = 17.74'
N 53° 1' 53" W
STA. 704+62.79
16.62' RT

EXIST. R/W

8
25M141544
1580 S KIRKWOOD RD
N/F
NISMARK LLC
DB 11967, PG 45
760 SF T.C.E.
65340 SF ORIGINAL
65340 SF REMAINING.

9
25M141553
10575 WATSON RD
N/F
NATIONAL RETAIL
PROPERTIES L P
DB 17448, PG 4821
229 SF P.H.E.
1084 SF T.C.E.
64469 SF ORIGINAL
64469 SF REMAINING

US 50

705

MATCHLINE STA. 504+70

PT STA 504+54.69

MATCHLINE STA. 704+00

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ROW SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. ROW)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
09/05/2024 6:45:59 PM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED 7/26/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 91
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

SHEET 13 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

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SCALE
0 20 40 60

MATCHLINE STA. 603+00

MATCHLINE STA. 805+00

US-50 SIGNALS, PEDESTRIAN SIGNALS, AND PEDESTRIAN FACILITIES AT RTE. 366 ARE TO BE REPLACED WITH THIS PROJECT.

℄ EB RTE. 366
OFF RAMP

EX 10'W SWBT ESMT
PB 349, PG 46

CURVE WATSON_EBOFF_1
PI 603+98.01
PC 600+00.00
PT 606+10.10
Δ 93° 42' 59.4" (RT)
D 15° 21' 38.9"
L 610.10'
T 398.01'
R 373.00'

25M120691
10738 SUNSET HILLS PLZ
N/F
SUNSET HILLS OWNER LLC
DB 21768, PG 2562
NO ACQUISITION

US 50

605

STA 604+99.92
END MILL/OVERLAY

EX 16.5'W SWBT ESMT
PB 349, PG 46

EXIST. R/W

PT STA 606+10.10

PC STA 804+96.66

N 37° 07' 13" E

PT STA 803+94.58

℄ EB RTE. 366
ON RAMP

STA 801+96.38
BEGIN MILL/OVERLAY

EXIST. R/W

SIGNAL IMPROVEMENTS AT THIS INTERSECTION WILL BASED ON TYING INTO THE ADJACENT BASS PRO DEVELOPMENT, WHICH IS CURRENTLY FINALIZING THEIR PLANS WITH MODOT.

25M120763
3600 S LINDBERGH BLVD
N/F
SUNSET HILLS OWNER LLC
DB 21768, PG 2562
NO ACQUISITION

CURVE WATSON_EBON_1
PI 802+04.35
PC 800+00.00
PT 803+94.58
Δ 36° 45' 37.9" (RT)
D 9° 18' 59.0"
L 394.58'
T 204.35'
R 615.00'

ROW SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. ROW)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY

SHEET 14 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
09/05/2024 6:46:00 PM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED 7/26/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 92
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr., Ste 300
Chesterfield, Missouri 63017
636.240.2444
www.gbateam.com
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SCALE
0 20 40 60

MATCHLINE STA. 704+00

EXIST. PARKING ESMT.
BK 7246, PG 651

9
25M141553
10575 WATSON RD
N/F
NATIONAL RETAIL PROPERTIES L P
DB 17448, PG 4821
SEE SHEET 91

CURVE WATSON_WBOFF_3
PI 705+07.29
PC 701+83.61
PT 706+92.79
Δ 89° 45' 55.5" (RT)
D 17° 37' 46.1"
L 509.18'
T 323.67'
R 325.00'

EXIST. R/W

L = 153.08'
N 84° 55' 41" E

L = 22.30'
N 82° 6' 56" W
STA. 2047+36.63
60.00' LT

N 89° 24' 20" W

℄ WB RTE.
366 OFF RAMP

T.C.E. (TYP.)

PC STA 701+83.61

PCC STA 806+99.81

2045

US 50

2043+00

2044+00

2045+00

2046+00

2047+00

MILL/OVERLAY

N 84° 55' 41" E

STA 2044+00
BEGIN
MILL/OVERLAY

CONST.
℄ RTE. 366

MATCHLINE STA. 2042+50

MATCHLINE STA. 2047+50

℄ EB RTE. 366
ON RAMP

US-50 SIGNALS, PEDESTRIAN SIGNALS, AND PEDESTRIAN FACILITIES AT RTE. 366 ARE TO BE REPLACED WITH THIS PROJECT.

805

MATCHLINE STA. 805+00

CURVE WATSON_EBON_5
PI 807+86.02
PCC 806+99.81
PT 808+71.96
Δ 7° 53' 42.1" (RT)
D 4° 35' 09.6"
L 172.15'
T 86.21'
R 1,249.36'

CURVE WATSON_EBON_4
PI 806+02.30
PC 804+96.66
PCC 806+99.81
Δ 38° 47' 52.0" (RT)
D 19° 05' 54.9"
L 203.14'
T 105.64'
R 300.00'

EXIST. R/W

25M120763
3600 S LINDBERGH BLVD
N/F
SUNSET HILLS OWNER LLC
DB 21768, PG 2562
NO ACQUISITION

SIGNAL IMPROVEMENTS AT THIS INTERSECTION WILL BASED ON TYING INTO THE ADJACENT BASS PRO DEVELOPMENT, WHICH IS CURRENTLY FINALIZING THEIR PLANS WITH MODOT.

ROW SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. ROW)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY

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PROFESSIONAL ENGINEER
09/05/2024 6:46:00 PM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	93

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr., Ste 300
Chesterfield, Missouri 63017
636.240.2444
www.gbateam.com
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SHEET 15 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

REV.

CURVE WATSON_WBOFF_3
PI 705+07.29
PC 701+83.61
PT 706+92.79
Δ 89° 45' 55.5" (RT)
D 17° 37' 46.1"
L 509.18'
T 323.67'
R 325.00'

SCALE
0 20 40 60

(9)
25M141553
10575 WATSON RD
N/F
NATIONAL RETAIL PROPERTIES L P
DB 17448, PG 4821
SEE SHEET 91

(11)
25M141272
10501 WATSON RD
N/F
REGIONS BANK
DB 19307, PG 929
452 SF T.C.E.
51552 SF ORIGINAL
51552 SF REMAINING

25M141452
10425 WATSON RD
N/F
TREPPLER JOHN M &
JANE K JOINT REVOCABLE
DB 23758, PG 3039
NO ACQUISITION

(12)
25M232143
10415 WATSON RD
N/F
GOFF MOLL LLC
DB 12658, PG 23
1200 SF
T.C.E.
19166 SF
ORIGINAL
19166 SF
REMAINING

25M120763
3600 S LINDBERGH BLVD
N/F
SUNSET HILLS OWNER LLC
DB 21768, PG 2562
NO ACQUISITION

(10)
25M120163
10542 WATSON RD
N/F
MIDAS REALTY CORP A CORP
DB 6354, PG 362
277 SF T.C.E.
16680 SF ORIGINAL
16680 SF REMAINING

25M120251
10500 WATSON RD
N/F
WANG LOUIS C HELEN H/W
DB 7974, PG 1006
NO ACQUISITION

25M210963
10416 WATSON RD
N/F
J & F DEVELOPMENT CO L LC
DB 11042, PG 1770
NO ACQUISITION

MATCHLINE STA. 2047+50

MATCHLINE STA. 2053+00

L = 22.30'
N 82° 6' 56" W
STA. 2047+58.36
55.00' LT
L = 22.30'
N 82° 6' 56" W
L = 56.64'
N 84° 55' 41" E
STA. 2048+15.00
55.00' LT
L = 5.00'
S 5° 4' 19" E
L = 153.08'
N 84° 55' 41" E
L = 74.70'
S 84° 55' 41" W
L = 5.00'
S 5° 4' 19" E
L = 34.91'
N 89° 24' 20" W
S 84° 55' 41" W
STA. 2047+80.09
50.00' LT
STA. 2048+15.00
50.00' LT
STA. 2048+89.70
50.00' LT
℄ WB RTE. 366 OFF RAMP
℄ EB RTE. 366 ON RAMP
P.H.E. (TYP.)
EXIST. 10'W LACLEDE GAS CO ESMT
BK 5697, PG 254
EXIST. 15'W ST. LOUIS CO WATER CO ESMT
BK 8726, PG 1941
T.C.E. (TYP.)
STA. 2048+89.70
60.00' LT
STA. 2049+80.00
55.00' LT
L = 5.00'
S 5° 4' 19" E
STA. 2049+80.00
50.00' LT
STA. 2052+49.70
60.00' LT
L = 120.00'
N 84° 55' 41" E
L = 10.00'
N 5° 4' 19" W
L = 120.00'
S 84° 55' 41" W
STA. 2052+49.70
50.00' LT
DRWY
STA. 2048+51 LT.
31' WIDE PAVED
APPROACH (8")
GRADE = 1.5% (6.5' ADA PATH) / 7.24% AT ℄
DRWY
STA. 2049+54 LT.
20' WIDE PAVED
APPROACH (8")
GRADE = 1.5% (5.5' ADA PATH) / 1.50% AT ℄
DRWY
STA. 2051+01 LT.
NO IMPROVEMENTS
DRWY
STA. 2051+90 LT.
41' WIDE PAVED
APPROACH (8")
GRADE = 1.5% (6.5' ADA PATH) / 5.32% AT ℄
DRWY
STA. 2052+75 LT.
29' WIDE PAVED
APPROACH (8")
GRADE = 1.5% (6.5' ADA PATH) / 10.32% AT ℄
EXIST. R/W
SIDEWALK
SIGN
UNK
2050
2048+00
2049+00
2050+00
2051+00
2052+00
2053+00
90°
PT STA 808+71.96
PT STA 700+00.00
L = 90.30'
S 84° 55' 41" W
L = 90.30'
N 84° 55' 41" E
MILL/OVERLAY
CONST. ℄ RTE. 366
N 84° 55' 41" E
STA. 2048+77.00
50.00' RT
L = 55.34'
N 84° 55' 41.48" E
STA. 2049+32.34
50.00' RT
EXIST. R/W
L = 5.00'
N 5° 4' 18.52" W
STA. 2048+77.00
55.00' RT
L = 55.34'
S 84° 55' 41.48" W
STA. 2049+32.34
55.00' RT
L = 5.00'
S 5° 4' 18.52" E
DRWY
STA. 2048+06 RT.
NO IMPROVEMENTS
DRWY
STA. 2049+06 RT.
53' WIDE PAVED
APPROACH (8")
GRADE = 1.5% (6.5' ADA PATH) / -2.48% AT ℄
DRWY
STA. 2049+67 RT.
NO IMPROVEMENTS
DRWY
STA. 2051+00 RT.
NO IMPROVEMENTS
DRWY
STA. 2051+64 RT.
NO IMPROVEMENTS
DRWY
STA. 2052+98 RT.
NO IMPROVEMENTS
IMPROVEMENTS IN THIS AREA ARE SUBJECT TO CHANGE BASED ON BASS PRO DEVELOPMENT PLANS (BY OTHERS).
EXIST. 6'W UE ESMT PB 345, PG 258

ROW SHEET LEGEND
EXISTING RIGHT-OF-WAY (EXIST. ROW)
PERMANENT HIGHWAY EASEMENT (P.H.E.)
TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
CONSTRUCTION LIMITS (SL)
SIDEWALK REMOVAL
PROPOSED SIDEWALK
PROPOSED MILL/OVERLAY

SHEET 16 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
09/05/2024 6:46:00 PM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED 7/26/2024
MO ROUTE 366
STATE MO
DISTRICT SL
SHEET NO. 94
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION
DATE
REV.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr., Ste 300
Chesterfield, Missouri 63017
636.240.2444
www.gbateam.com
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059
BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SCALE
0 20 40 60

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(12)
25M232143
10415 WATSON RD
N/F
GOFF MOLL LLC
DB 12658, PG 23
SEE SHEET 94

EXIST. 5' W UTILITY ESMT BK 34, PG 40

(12)
25M232101
10345 WATSON RD
N/F
PROBST PROFESSIONAL BUILDING LLC
DB 20205, PG 1623
NO ACQUISITION

(13)
25M232110
10327 WATSON RD
N/F
FAY CATHERINE E TRUSTEE
DB 16296, PG 1928
323 SF T.C.E.
20021 SF ORIGINAL
20021 SF REMAINING

(14)
25M232303
10311 WATSON RD
N/F
MC SUNSET LLC
DB 24672, PG 3263
706 SF T.C.E.
15647 SF ORIGINAL
15647 SF REMAINING

DRWY
STA. 2053+45 LT.
28' WIDE PAVED
APPROACH (8")
GRADE = 1.5% (6.5' ADA PATH) / 7.21% AT ℄

DRWY
STA. 2054+01 LT.
31' WIDE PAVED
APPROACH (8")
GRADE = 1.5% (6.5' ADA PATH) / 11.76% AT ℄

DRWY
STA. 2055+23 LT.
44' WIDE PAVED
APPROACH (8")
GRADE = 1.5% (6.5' ADA PATH) / 7.05% AT ℄

DRWY
STA. 2056+92 LT.
41' WIDE PAVED
APPROACH (8")
GRADE = 1.5% (6.5' ADA PATH) / 0.68% AT ℄

DRWY
STA. 2057+60 LT.
28' WIDE PAVED
APPROACH (8")
GRADE = 1.5% (6.5' ADA PATH) / 13.43% AT ℄

L = 120.00'
N 84° 55' 41" E

STA. 2053+69.70
60.00' LT
L = 10.00'
S 5° 4' 19" E
STA. 2053+69.70
50.00' LT

L = 120.00'
S 84° 55' 41" W

L = 5.00'
N 5° 4' 19" W

STA. 2056+65.00
55.00' LT

L = 64.70'
N 84° 55' 41" E
L = 64.70'
S 84° 55' 41" W

STA. 2057+29.70
55.00' LT

L = 141.17'
N 84° 55' 41" E
L = 141.17'
S 84° 55' 41" W

STA. 2056+65.00
50.00' LT

STA. 2057+29.70
50.00' LT

EXIST. R/W

T.C.E. (TYP.)

EXIST. INLET (UIP)
LR PERP RAMP

MILL/OVERLAY

N 84° 55' 41" E

CONST. ℄ RTE. 366

MATCHLINE STA. 2053+00

MATCHLINE STA. 2058+00

2053+00 2054+00 2055+00 2056+00 2057+00 2058+00

90°

DRWY
STA. 2053+68 RT.
52' WIDE PAVED
APPROACH (8")
GRADE = 1.5% (6' ADA PATH) / -7.50% AT ℄

DRWY
STA. 2054+66 RT.
48' WIDE PAVED
APPROACH (8")
GRADE = 1.5% (6.5' ADA PATH) / 0.91% AT ℄

DRWY
STA. 2055+26 RT.
53' WIDE PAVED
APPROACH (8")
GRADE = 1.5% (6.5' ADA PATH) / 7.03% AT ℄

EXIST. R/W

SIGN SIGN FLAG FLAG

25M210826
10400 WATSON RD
N/F
STAFFA LLC
DB 21986, PG 267
NO ACQUISITION

25M210918
10390 WATSON RD
N/F
CARDWELL PAUL FRANCIS
TRUSTEEETAL
DB 10032, PG 1711
NO ACQUISITION

25M210945
10300 WATSON RD
N/F
PREMIER A 1 WATSON LLC
DB 22234, PG 1297
NO ACQUISITION

ROW SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. ROW)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY

SHEET 17 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
PROFESSIONAL ENGINEER
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
09/05/2024 6:46:00 PM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	95

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

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SCALE
0 20 40 60

EX 25'W PARKING INGRESS/EGRESS AND MAINTENANCE ESMT PB 368, PG 360

EX 15'W PARKING, INGRESS/EGRESS AND MAINTENANCE ESMT PB 368, PG 360

EXIST. 5'W UTILITY ESMT BK 34, PG 40

25M232303
10311 WATSON RD
N/F
MC SUNSET LLC
DB 24672, PG 3263
SEE SHEET 95

14

15

25M232312
10275 WATSON RD
N/F
SUNSET LAND HOLDINGS L L C
DB 17852, PG 2273
570 SF T.C.E.
13290 SF ORIGINAL
13290 SF REMAINING

25M232187
10229 WATSON RD
N/F
VALVOLINE LLC
DB 22160, PG 367
NO ACQUISITION

25M232231
10215 WATSON RD
N/F
CLEARWATER EXPRESS INC
DB 19788, PG 3106
NO ACQUISITION

MATCHLINE STA. 2058+00

MATCHLINE STA. 2063+50

L = 141.17' N 84° 55' 41" E
L = 141.17' S 84° 55' 41" W

DRWY
STA. 2058+62 LT.
29' WIDE PAVED
APPROACH (8")
GRADE = 1.5% (6' ADA PATH) / 10.80% AT ℄

DRWY
STA. 2059+73 LT.
32' WIDE PAVED
APPROACH (8")
GRADE = 1.5% (6.5' ADA PATH) / 13.63% AT ℄

DRWY
STA. 2061+37 LT.
28' WIDE PAVED
APPROACH (8")
GRADE = 1.5% (6.5' ADA PATH) / 6.97% AT ℄

DRWY
STA. 2062+01 LT.
48' WIDE PAVED
APPROACH (8")
GRADE = 1.5% (6.5' ADA PATH) / 3.05% AT ℄

T.C.E. (TYP.)

STA. 2060+07.00
60.00' LT
L = 10.00'
S 5° 4' 19" E

DRWY
STA. 2060+32 LT.
NO IMPROVEMENTS

STA. 2059+50.00
60.00' LT
L = 10.00'
N 5° 4' 19" W

L = 5.00'
S 5° 4' 42" E

STA. 2058+70.87
55.00' LT

STA. 2058+70.87
50.00' LT

STA. 2059+50.00
50.00' LT
L = 57.00'
N 84° 55' 41" E

STA. 2060+07.00
50.00' LT
L = 57.00'
S 84° 55' 41" W

2060 ℄

2058+00 2059+00 2060+00 2061+00 2062+00 2063+00

90°

MILL/OVERLAY

N 84° 55' 41" E

CONST. ℄ RTE. 366

EXIST. R/W

SIGN

FLAG

DRWY
STA. 2059+97 RT.
NO IMPROVEMENTS

DRWY
STA. 2060+81 RT.
30' WIDE PAVED
APPROACH (8")
GRADE = 1.5% (6.5' ADA PATH) / 0.35% AT ℄

DRWY
STA. 2062+91 RT.
29' WIDE PAVED
APPROACH (8")
GRADE = 1.5% (6.5' ADA PATH) / -2.49% AT ℄

25M210945
10300 WATSON RD
N/F
PREMIER A 1 WATSON LLC
DB 22234, PG 1297
NO ACQUISITION

25M210954
10230 WATSON RD
N/F
ASSESSOR UPDATE PENDING
DB 17852, PG 2277
NO ACQUISITION

25M210891
10210 WATSON RD
N/F
WALMAR INVESTMENT CO A CORP
DB 7634, PG 1346
NO ACQUISITION

ROW SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. ROW)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY

SHEET 18 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
PROFESSIONAL ENGINEER
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
09/05/2024 6:46:01 PM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED 7/26/2024
MO ROUTE 366
STATE MO
DISTRICT SL
SHEET NO. 96
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION
DATE
REV.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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JEFFERSON CITY, MO 65102
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GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SCALE
0 20 40 60

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PROFESSIONAL ENGINEER
09/05/2024 6:46:01 PM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED 7/26/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 97
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION | DATE | REV.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr., Ste 300
Chesterfield, Missouri 63017
636.240.2444
www.gbateam.com
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

MATCHLINE STA. 2063+50

MATCHLINE STA. 2069+00

3+00

4+00

WINDWARD RIDGE DR
STA. 2064+55 LT.
36' WIDE PAVED APPROACH (9")
GRADE = 2.1% (10' ADA PATH) / 2.1% AT ℄

WINDWARD RIDGE DR
S 6° 10' 19" E

EXIST. R/W

EXIST. 5'W UTILITY ESMT BK 34, PG 40

18
25M240012
10151 WATSON RD
N/F
BRYUCE LLC
DB 22169, PG 829
298 SF T.C.E.
20909 SF ORIGINAL
20909 SF REMAINING

25M232231
10215 WATSON RD
N/F
CLEARWATER EXPRESS INC
DB 19788, PG 3106
NO ACQUISITION

2065

DRWY
STA. 2065+62 LT.
29' WIDE PAVED APPROACH (8")
GRADE = 1.5% (6.5' ADA PATH) / 18.18% AT ℄

DRWY
STA. 2066+10 LT.
18' WIDE PAVED APPROACH (8")
GRADE = 1.5% (6.5' ADA PATH) / 18.30% AT ℄

20
25M240063
10125 WATSON RD
N/F
DEEBA INVESTMENTS II L L C
DB 16558, PG 62
827 SF T.C.E.
46609 SF ORIGINAL
46609 SF REMAINING

25M240041
10109 WATSON RD
N/F
NAMCC WATSON ROAD L L C
DB 15786, PG 1902
NO ACQUISITION

DRWY
STA. 2067+88 LT.
NO IMPROVEMENTS

DRWY
STA. 2068+75 LT.
NO IMPROVEMENTS

DRWY
STA. 2066+80 LT.
38' WIDE PAVED APPROACH (8")
GRADE = 1.5% (6.5' ADA PATH) / 19.52% AT ℄

STA. 2065+40.00
55.00' LT
L = 5.00'
N 5° 4' 19" W
STA. 2065+40.00
50.00' LT

L = 59.70'
S 84° 55' 41" W
L = 59.60'
N 84° 55' 41" E

L = 22.59'
N 84° 55' 41" E
STA. 2065+99.41
65.00' LT
L = 10.00'
N 6° 10' 19" E
STA. 2065+99.60
55.00' LT

L = 22.30'
S 84° 55' 41" W

STA. 2066+22.00
65.00' LT
L = 15.00'
S 5° 4' 19" E

STA. 2066+57.00
55.00' LT
L = 5.00'
N5° 4' 19"W
STA. 2066+57.00
50.00' LT

L = 98.15'
S 84° 55' 41" W
L = 98.05'
N 84° 55' 41" E

STA. 2067+55.05
55.00' LT
L = 5.00'
S 6° 10' 19" E

L = 5.00'
N 6° 10' 19" W
STA. 2065+99.70
50.00' LT

STA. 2066+22.00
50.00' LT

STA. 2067+55.15
50.00' LT

POT. STA. 5+00.00

CONST. ℄ RTE. 366

MILL/OVERLAY

EXIST. R/W

N 84° 55' 41" E

88.9°

90°

STA. 2063+90.00
50.00' RT
L = 42.58'
N 84° 55' 41" E

L = 42.67'
S 84° 55' 41" W
STA. 2064+32.58
50.00' RT

L = 77.53'
N 84° 55' 41" E
L = 77.56'
S 84° 55' 41" W
STA. 2065+10.11
50.00' RT

L = 46.88'
S 84° 55' 41" E

L = 47.03'
S 84° 55' 41" W

L = 5.00'
N 5° 4' 19" W
STA. 2063+90.00
55.00' RT

L = 5.00'
N 6° 5' 52" W
STA. 2064+32.67
55.00' RT

L = 5.00'
S 6° 29' 35" E
STA. 2065+10.24
55.00' RT

T.C.E. (TYP.)

STA. 2068+95.00
50.00' RT

L = 7.00'
N 5° 4' 19" W
STA. 2068+95.00
57.00' RT

DRWY
STA. 2064+12 RT.
41' WIDE PAVED APPROACH (8")
GRADE = 1.5% (6.5' ADA PATH) / -4.86% AT ℄

DRWY
STA. 2064+86 RT.
40' WIDE PAVED APPROACH (8")
GRADE = 1.5% (6.5' ADA PATH) / -4.94% AT ℄

DRWY
STA. 2065+45 RT.
NO IMPROVEMENTS

DRWY
STA. 2067+88 RT.
NO IMPROVEMENTS

EXIST. 7.5'W ESMT PB 368, PG 73

16
25M210909
10202 WATSON RD
N/F
M & R WATSON L C A
MISSOURI LIMITED LIAB
DB 12060, PG 660
213 SF
T.C.E.
20909 SF ORIGINAL
20909 SF REMAINING

17
25M220625
10156 WATSON RD
N/F
ROUSE COMPANIES LLC
DB 23572, PG 4048
388 SF
T.C.E.
43560 SF ORIGINAL
43560 SF REMAINING

19
25M221303
10100 WATSON RD
N/F
KERAS CHILDERS FAMILY L P
DB 23836, PG 1820
329 SF T.C.E.
239523 SF ORIGINAL
239523 SF REMAINING

ROW SHEET LEGEND
- EXISTING RIGHT-OF-WAY (EXIST. ROW)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

SHEET 19 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

SCALE
0 20 40 60

21
25M240021
10011 WATSON RD
N/F
BADER PROPERTIES LLC
DB 21690, PG 1468
21 SF P.H.E.
1540 SF T.C.E.
38028 SF ORIGINAL
38028 SF REMAINING

23
25M240030
9979 WATSON RD
N/F
CRESTWOOD APPLIANCE
REPAIR CO INC
DB 20233, PG 2572
1716 SF T.C.E.
18513 SF ORIGINAL
18513 SF REMAINING

24
25M240052
9965 WATSON RD
N/F
WATSON PROPERTIES
LIMITEDPARTNERSHIP
DB 8844, PG 744
1805 SF T.C.E.
19550 SF ORIGINAL
19550 SF REMAINING

26
25M240939
9955 WATSON RD
N/F WOOD LOWELL K
TRUSTEE
DB 11134, PG 1762
3424 SF T.C.E.
36155 SF ORIGINAL
36155 SF REMAINING

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DRWY STA. 2069+35 LT. 29' WIDE PAVED APPROACH (8") GRADE = 1.5% (6.5' ADA PATH) / 9.57% AT ℄

STARLING DR STA. 2071+31 LT. 29' WIDE PAVED APPROACH (9") GRADE = 2.00% (8' ADA PATH) / 10.79% AT ℄

DRWY STA. 2072+23 LT. 51' WIDE PAVED APPROACH (8") GRADE = 1.5% (5' ADA PATH) / 11.44% AT ℄

DRWY STA. 2073+28 LT. 40' WIDE PAVED APPROACH (8") GRADE = 1.5% (5' ADA PATH) / 7.50% AT ℄

DRWY STA. 2073+80 LT. 29' WIDE PAVED APPROACH (8") GRADE = 1.5% (5' ADA PATH) / 4.00% AT ℄

STA. 2069+09.99 58.00' LT
L = 8.00' N 6° 10' 19" W
L = 195.17' N 84° 55' 41" E
L = 187.05' S 84° 55' 41" W
EXIST 10'W ST. LOUIS CO. WATER CO. ESMT BK 8734, PG 219
EXIST. R/W
STA. 2070+97.19 50.00' LT
STA. 2071+05.17 58.00' LT L = 2.77' N 6° 10' 19" W
STA. 2071+05.22 55.23' LT L = 9.58' S 51° 49' 13" W L = 8.13' S 84° 55' 41" W
EXIST. R/W
STARLING DR
S 6° 10' 19" E
L = 18.00' N 6° 10' 19" W C = 5.23' S 6° 10' 19" E
STA. 2071+54.98 68.00' LT
L = 95.36' S 84° 55' 41" W
L = 95.36' N 84° 55' 41" E
STA. 2072+50.34 68.00' LT L = 18.00' S 6° 10' 19" E
STA. 2072+50.69 50.00' LT
STA. 2073+50.39 80.00' LT L = 12.00' N 6° 10' 19" W
STA. 2073+50.62 68.00' LT L = 18.00' N 6° 10' 19" W
STA. 2073+50.97 50.00' LT
STA. 2074+00.00 80.00' LT L = 55.00' N84° 55' 41"E
L = 49.61' N 84° 55' 41" E
L = 159.98' S 84° 55' 41" W
EXIST. R/W
L = 25.00' S 5° 4' 19" E
STA. 2074+00.00 55.00' LT
STA. 2069+10.15 50.00' LT
STA. 2071+55.33 50.00' LT
L = 100.28' N 84° 55' 41" E
L = 100.28' S 84° 55' 41" W
MATCHLINE STA. 2069+00
MATCHLINE STA. 2074+50
2069+00
2070+00
2071+00
2072+00
2073+00
2074+00
CONST. ℄ RTE. 366
STA. 2071+05.32 50.00' LT
88.9°
POT STA 5+00.00
N 84° 55' 41" E
STA. 2072+99.98 50.00' RT
90°
L = 46.88' N 84° 55' 41" E
L = 47.03' S 84° 55' 41" W
STA. 2069+41.88 50.00' RT L = 7.00' S 6° 18' 52" E
STA. 2069+42.03 57.00' RT
L = 2.00' N 6° 18' 52" W
STA. 2069+42.07 59.00' RT
STA. 2071+40.58 50.00' RT
L = 9.00' S 6° 15' 42" E
L = 9.00' N 6° 16' 19" W
STA. 2071+40.76 59.00' RT
STA. 2073+00.17 59.00' RT
L = 198.70' N 84° 55' 41" E
L = 198.69' S 84° 55' 41" W
L = 160.72' N 84° 55' 41" E
L = 160.72' S 84° 55' 41" W
DRWY STA. 2069+21 RT. NO IMPROVEMENTS
DRWY STA. 2071+11 RT. 41' WIDE PAVED APPROACH (8") GRADE = 1.5% (5' ADA PATH) / 1.72% AT ℄
DRWY STA. 2071+78 RT. NO IMPROVEMENTS
DRWY STA. 2073+41 RT. NO IMPROVEMENTS
T.C.E. (TYP.)
CITY LIMITS SUNSET HILLS
CITY LIMITS CRESTWOOD
UNION ELECTRIC EASEMENT DB 10250, PG 1683
APPROX. T44N, R5E LINE
DRIVEWAY & SEWER CONNECTION EASEMENT DB 2518, PG 114

19
25M221303
10100 WATSON RD
N/F
KERAS CHILDERS FAMILY L P
DB 23836, PG 1820
SEE SHEET 97

22
25M221312
10024 WATSON RD
N/F
HUBBARD CRISTA K SEPARATE PROPERTY TRUST
DB 23593, PG 224
1786 SF T.C.E.
108900 SF ORIGINAL
108900 SF REMAINING

25M220670
10010 WATSON RD
N/F
CENTENNIAL BANK THE
DB 11361, PG 1620
NO ACQUISITION

25
25M220681
9960 WATSON RD
N/F
ARC NTSTLMO001 LLC
DB 20248, PG 45
1447 SF T.C.E.
88427 SF ORIGINAL
88427 SF REMAINING

ROW SHEET LEGEND
- EXISTING RIGHT-OF-WAY (EXIST. ROW)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

SHEET 20 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
09/05/2024 6:46:01 PM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED 7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	98

COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE | REV.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr., Ste 300
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636.240.2444
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GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SCALE
0 20 40 60

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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
09/05/2024 6:46:02 PM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED 7/26/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 99
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

MATCHLINE STA. 2074+50

MATCHLINE STA. 2079+50

(26) 25M240939 9955 WATSON RD N/F WOOD LOWELL K TRUSTEE DB 11134, PG 1762 SEE SHEET 98

25M240948 9945 WATSON RD N/F LANDSHARES GENERAL CORPORATION DB 8268, PG 1743 NO ACQUISITION

(29) 25M240096 9933 WATSON RD N/F ROCK OIL COMPANY DB 22762, PG 180 250 SF P.H.E. 11238 SF ORIGINAL 11238 SF REMAINING

(30) 25M330010 9919 WATSON RD N/F SPIRIT ENERGY L L C A DELAWARE LTD LIABI DB 11135, PG 2489 70 SF P.H.E. 2973 SF T.C.E. 60113 SF ORIGINAL 60113 SF REMAINING

(25) 25M220681 9960 WATSON RD N/F ARC NTSTLM0001 LLC DB 20248, PG 45 SEE SHEET 98

(27) 25M220735 9942 WATSON RD N/F EMART INVESTMENT CO DB 7441, PG 1832 197 SF P.H.E. 1387 SF T.C.E. 41818 SF ORIGINAL 41818 SF REMAINING

(28) 25M220726 10000 WATSON RD N/F THIRTY THREE THIRTY THREE INC ET AL DB 22291, PG 883 535 SF P.H.E. 1186 SF T.C.E. 96268 SF ORIGINAL 96268 SF REMAINING

(31) 25M310807 9930 WATSON RD N/F SPEEDARI LLC DB 22382, PG 303 93 SF P.H.E. 813 SF T.C.E. 51401 SF ORIGINAL 51401 SF REMAINING

(32) 25M310816 9920 WATSON RD N/F FIFTH L L C DB 12976, PG 1719 545 SF T.C.E. 43560 SF ORIGINAL 43560 SF REMAINING

CONST. ℄ RTE. 366
EXIST. R/W
EXIST. ESMT
T.C.E. (TYP.)
MILL/OVERLAY
EXIST. 5'W MSD ESMT PB 207, PG 62
10'W LACLEDE GAS ESMT PB 12630, PG 2490
10'W MSD ESMT PB 6783, PG 1052
STURDY DR
DRWY STA. 2074+80 LT. 31' WIDE PAVED APPROACH (8") GRADE = 1.5% (5' ADA PATH) / 4.00% AT ℄
DRWY STA. 2075+45 LT. NO IMPROVEMENTS
DRWY STA. 2075+20 RT. 32' WIDE PAVED APPROACH (8") GRADE = 1.5% (5' ADA PATH) / 5.33% AT ℄
DRWY STA. 2077+38 LT. 35' WIDE PAVED APPROACH (9") GRADE = -1.3% (5' ADA PATH) / -3.10% AT ℄
STURDY DR STA. 2077+38 RT. 38' WIDE PAVED APPROACH (9") GRADE = -1.50% (5' ADA PATH) / -6.45% AT ℄
CURVE STURDY_3 PI 4+43.22 PC 4+05.98 PT 4+70.00 Δ 73° 21' 26.0" (LT) D 114° 35' 29.6" L 64.02' T 37.24' R 50.00'
POT STA 3+77.00
POC STA 4+05.98
PT STA 4+70.00
POT STA 5+00.00
STA. 2074+55.00 80.00' LT L = 55.37' N 84° 55' 41" E STA. 2075+10.37 80.00' LT
L = 30.01' S 6° 10' 19" E STA. 2075+10.95 50.00' LT
L = 50.01' N 84° 55' 41" E STA. 2077+10.84 55.00' LT L = 5.00' N 6° 10' 19" W
STA. 2077+10.95 50.00' LT
STA. 2077+60.76 60.00' LT L = 5.00' N 6° 10' 19" W STA. 2077+60.86 55.00' LT L = 5.00' N 6° 10' 19" W
STA. 2077+60.96 50.00' LT L = 14.04' S 84° 55' 41" W L = 14.14' S 84° 55' 41" W STA. 2077+75.00 55.00' LT L = 5.00' N 5° 4' 19" W
STA. 2077+75.00 50.00' LT
L = 304.29' N 84° 55' 41" E
L = 290.24' S 84° 55' 41" W
L = 160.72' S 84° 55' 41" W STA. 2074+60.88 59.00' RT
L = 160.72' N 84° 55' 41" E STA. 2074+60.69 50.00' RT L = 9.00' N 6° 16' 19" W
L = 25.00' N 5° 4' 19" W STA. 2074+55.00 55.00' LT
L = 159.98' S 84° 55' 41" W
L = 76.94' N 84° 55' 41" E
L = 149.12' S 84° 55' 41" W STA. 2075+37.63 50.00' RT
STA. 2075+50.03 52.50' RT
L = 12.65' N 83° 40' 22" W
L = 84.83' N 84° 55' 41" E
L = 72.48' S 84° 55' 41" W
STA. 2076+10.00 59.00' RT
STA. 2076+10.00 69.00' RT
STA. 2076+22.46 50.00' RT L = 2.50' N 6° 16' 19" W
STA. 2076+22.51 52.50' RT
L = 15.50' N 6° 16' 19" W STA. 2076+22.84 68.00' RT L = 1.00' N 6° 16' 19" W STA. 2076+22.86 69.00' RT
L = 12.86' S 84° 55' 41" W
L = 95.54' S 84° 55' 41" W STA. 2076+90.00 63.00' RT
L = 95.54' N 84° 55' 41" E
L = 67.49' S 84° 55' 41" W STA. 2076+90.00 52.50' RT
L = 28.27' S 84° 55' 41" W
STA. 2077+68.01 50.00' RT L = 10.50' N 5° 4' 19" W
STA. 2077+18.00 50.00' RT
L = 13.00' S 5° 4' 19" E STA. 2077+18.27 63.00' RT, L = 5.00' S 6° 16' 19" E STA. 2077+18.38 68.00' RT
STA. 2077+68.22 60.00' RT
L = 50.01' S 84° 55' 41" E
STA. 2077+73.00 52.50' RT L = 28.79' N 84° 55' 41" E STA. 2077+84.30 52.50' RT
L = 12.75' S 73° 37' 6" W L = 11.30' S 84° 55' 41" W L = 4.50' S 5° 4' 19" E STA. 2077+73.00 57.00' RT L = 3.00' S 5° 4' 19" E
L = 98.66' N 84° 55' 41" E
L = 122.59' S 84° 55' 41" W
STA. 2077+73.00 60.00' RT L = 4.78' S 84° 55' 42" W L = 10.00' N 6° 16' 19" W
STA. 2077+96.80 50.00' RT
STA. 2078+95.46 50.00' RT
STA. 2078+95.55 55.00' RT
L = 5.00' S 6° 6' 44" E
L = 2.00' S 6° 6' 44" E STA. 2078+95.59 57.00' RT
L = 108.81' N 84° 55' 41" E
L = 108.81' S 84° 55' 41" W
91.2°
90°
N 5° 4' 19" W
N 84° 55' 41" E
S 84° 55' 41" W
N 6° 16' 19" W
S 6° 16' 19" E
N 83° 40' 22" W
5+00
6+00
7+00

ROW SHEET LEGEND
EXISTING RIGHT-OF-WAY (EXIST. ROW)
PERMANENT HIGHWAY EASEMENT (P.H.E.)
TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
CONSTRUCTION LIMITS (SL)
SIDEWALK REMOVAL
PROPOSED SIDEWALK
PROPOSED MILL/OVERLAY
FULL DEPTH PAVEMENT

SHEET 21 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

SCALE
0 20 40 60

MSD ESMT
BK 8976, PG 765

30'W PARKING/ACCESS ESMT
BK 11135 PG 2486

30
25M330010
9919 WATSON RD
N/F
SPIRIT
ENERGY L L C A
DELAWARE LTD LIABI
DB 11135, PG 2489
SEE SHEET 99

SITE REDEVELOPMENT HAS OCCURRED AT 9915 WATSON ROAD. PROPOSED IMPROVEMENTS ARE SHOWN IN THIS PLAN SET FROM A SITE ASSESSMENT.

33
25M330607
9915 WATSON RD
N/F
MCDONALDS REAL ESTATE CO
DB 6744, PG 2129
1349 SF T.C.E.
59873 SF ORIGINAL
59873 SF REMAINING

35
25M330634
9901 WATSON RD SUITE 121
N/F
TOMAX DEVELOPMENT CORP ETAL
DB 10327, PG 460
950 SF T.C.E.
168577 SF ORIGINAL
168577 SF REMAINING

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DRWY
STA. 2080+20 LT.
58' WIDE PAVED
APPROACH (8")
GRADE = 1.5% (5' ADA PATH) / 1.10% AT ℄

DRWY
STA. 2081+00 LT.
30' WIDE PAVED APPROACH (8")
GRADE = 1.5% (5' ADA PATH) / 1.10% AT ℄

DRWY
STA. 2081+80 LT.
30' WIDE PAVED
APPROACH (8")
GRADE = 1.5% (5' ADA PATH) / 1.13% AT ℄

DRWY
STA. 2082+41 LT.
NO IMPROVEMENTS

DRWY
STA. 2083+52 LT.
38' WIDE PAVED
APPROACH (8")
GRADE = 1.5% (5' ADA PATH) / 1.16% AT ℄

MATCHLINE STA. 2079+50

MATCHLINE STA. 2085+00

2080

2085

L = 300.00' N 84° 55' 41" E
L = 290.24' S 84° 55' 41" W
L = 5.00'
L = 10.00' S 6° 8' 19" E
STA. 2080+65.15 55.00' LT
STA. 2080+65.06 60.00' LT
L = 89.85' N 84° 55' 41" E
L = 149.90' S 84° 55' 41" W
STA. 2081+55.00 65.00' LT
L = 59.84' N 84° 55' 41" E
STA. 2082+14.84 65.00' LT
L = 15.00' S 6° 11' 30" E
STA. 2083+05.00 60.00' LT
L = 95.00' N 84° 55' 41" E
L = 10.00' N 5° 4' 19" W
STA. 2083+05.00 50.00' LT
STA. 2084+00.00 60.00' LT
L = 95.00' S 84° 55' 41" W
L = 10.00' S 5° 4' 19" E
EXIST. R/W
STA. 2084+00.00 50.00' LT

2080+00 2081+00 2082+00 2083+00 2084+00 2085+00

90°

N 84° 55' 41" E

CONST. ℄ RTE. 366
STA. 2080+04.28
50.00' RT

STA. 2080+65.24 50.00' LT
STA. 2081+55.00 50.00' LT
STA. 2082+15.14 50.00' LT

MILL/OVERLAY

STA. 2081+42.00 50.00' RT
STA. 2081+92.00 50.00' RT
STA. 2083+83.00 50.00' RT
STA. 2084+30.00 50.00' RT

L = 108.81' N 84° 55' 41" E
L = 108.81' S 84° 55' 41" W
L = 5.00' S 6° 4' 55" E
L = 5.00' N 5° 4' 19" W
L = 5.00' S 5° 4' 19" E
L = 5.00' N 5° 4' 19" W
L = 5.00' S 5° 4' 19" E
L = 50.00' S 84° 55' 41" W
L = 50.00' N 84° 55' 41" E
L = 47.00' S 84° 55' 41" W
L = 47.00' N 84° 55' 41" E
STA. 2080+04.36 55.00' RT
STA. 2081+42.00 55.00' RT
STA. 2081+92.00 55.00' RT
STA. 2083+83.00 55.00' RT
STA. 2084+30.00 55.00' RT

DRWY
STA. 2079+88 RT.
25' WIDE PAVED
APPROACH (8")
GRADE = 1.5% (5' ADA PATH) / 2.67% AT ℄

DRWY
STA. 2081+67 RT.
39' WIDE PAVED
APPROACH (8")
GRADE = 1.5% (5' ADA PATH) / -3.10% AT ℄

DRWY
STA. 2084+06 RT.
36' WIDE PAVED
APPROACH (8")
GRADE = -1.5% (5' ADA PATH) / -0.40% AT ℄

32
25M310816
9920 WATSON RD
N/F
FIFTH L L C
DB 12976, PG 1719
SEE SHEET 99

25M310881
9916 WATSON RD
N/F
BUTLER INVESTMENTS
PARTNERSHIP L P
DB 18061, PG 1426
NO ACQUISITION

34
25M310935
9900 WATSON RD
N/F
BUTLER INVESTMENTS
PARTNERSHIP L P
DB 17292, PG 1541
485 SF T.C.E.
171626 SF ORIGINAL
171626 SF REMAINING

ROW SHEET LEGEND
- EXISTING RIGHT-OF-WAY (EXIST. ROW)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY

SHEET 22 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
09/05/2024 6:46:02 PM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED 7/26/2024
MO ROUTE 366
STATE MO
DISTRICT SL
SHEET NO. 100
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION
DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr., Ste 300
Chesterfield, Missouri 63017
636.240.2444
www.gbateam.com
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

SCALE
0 20 40 60

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Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED 7/26/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 101
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION | DATE

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105 WEST CAPITOL
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1-888-ASK-MODOT (1-888-275-6636)

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PRO. ENGINEER 000133
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BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

MATCHLINE STA. 2085+00

STA. 2085

STA. 2090

MATCHLINE STA. 2090+00

36
25M330643
9901 WATSON RD
N/F
ROTT RUTH ROSETRUSTEE
DB 11083, PG 622
352 SF T.C.E.
128939 SF ORIGINAL
128939 SF REMAINING

37
25M330670
9897 WATSON RD
N/F
ROTT RUTH ROSE TRUSTEE
DB 11083, PG 622
729 SF T.C.E.
23653 SF ORIGINAL
23653 SF REMAINING

36
25M330643
9901 WATSON RD
N/F
ROTT RUTH ROSE TRUSTEE
DB 11083, PG 622
352 SF T.C.E.
128938 SF ORIGINAL
128938 SF REMAINING

38
25M330593
9833 WATSON RD
N/F
D & C REAL ESTATE LLC
DB 19800, PG 2662
4194 SF T.C.E.
174414 SF ORIGINAL
174414 SF REMAINING

EXIST. R/W
EXIST. INGRESS-EGRESS ESMT PB 349, PG 742
EX 10'W STL CO WATER ESMT PB 349, PG 742
CONST. ℄ RTE. 366
MILL/OVERLAY
EXIST. R/W

STA. 2086+70.00 50.00' LT
L = 120.14' S 84° 55' 41" W
L = 119.97' N 84° 55' 41" E
L = 9.00' N 5° 4' 19" W
L = 110.03' N 84° 55' 41" E
STA. 2087+89.97 59.00' LT
L = 9.00' N 6° 7' 19" W
STA. 2087+90.14 50.00' LT
L = 40.00' N 84° 55' 41" E
L = 325.03' S 84° 55' 41" W
L = 100.00' N 84° 55' 41" E

DRWY
STA. 2087+69 LT.
50' WIDE PAVED APPROACH (8")
GRADE = 1.50% (5' ADA PATH) / 1.17% AT ℄

DRWY
STA. 2089+19 LT.
30' WIDE PAVED APPROACH (8")
GRADE = 1.50% (5' ADA PATH) / 7.50% AT ℄

STA. 2089+00.00 72.00' LT
L = 13.00' N 5° 4' 19" W
STA. 2089+00.00 59.00' LT
STA. 2089+40.00 72.00' LT
L = 13.00' N 5° 4' 19" W
STA. 2089+40.00 59.00' LT

2085+00 2086+00 2087+00 2088+00 2089+00 2090+00

L = 16.91' N 84° 55' 41" E
L = 18.84' N 69° 56' 51" W
STA. 2085+51.91 50.00' RT
L = 8.00' S 6° 7' 42" E
STA. 2085+35.00 50.00' RT
STA. 2085+52.06 58.00' RT
STA. 2089+16.62 50.00' RT
L = 8.00' N 6° 7' 42" W
L = 200.03' N 84° 55' 41" E
L = 200.03' S 84° 55' 41" W
STA. 2089+16.77 58.00' RT

T.C.E. (TYP.)

DRWY
STA. 2086+48 RT.
NO IMPROVEMENTS

DRWY
STA. 2088+78 RT.
NO IMPROVEMENTS

DRWY
STA. 2089+44 RT.
NO IMPROVEMENTS

34
25M310935
9900 WATSON RD
N/F
BUTLER INVESTMENTS PARTNERSHIP L P
DB 17292, PG 1541
SEE SHEET 100

25M310971
9860 WATSON RD
N/F
ALBERTA PROPERTIES 5980 L L C
DB 24548, PG 412
NO AQUISITION

25M310980
9846 WATSON RD
N/F
WALLIS ENERGY CORP
DB 24290, PG 410
NO AQUISITION

EXIST. INGRESS-EGRESS ESMT PB 349, PG 742

39
25M320642
9838 WATSON RD
N/F
ARCP RL PORTFOLIO III LLC
DB 21112, PG 1858
1600 SF
T.C.E.
76361 SF ORIGINAL
76361 SF REMAINING

SITE REDEVELOPMENT HAS OCCURRED AT ADDRESSES 9900, 9860, 9846, AND 9838 WATSON ROAD. PROPOSED IMPROVEMENTS ARE SHOWN IN THIS PLAN SET FOR THESE ADDRESSES FROM PICKUP SURVEY.

ROW SHEET LEGEND
- EXISTING RIGHT-OF-WAY (EXIST. ROW)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY

SHEET 23 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

SCALE
0 20 40 60

38
25M330593
9833 WATSON RD
N/F
D & C REAL ESTATE LLC
DB 19800, PG 2662
SEE SHEET 101

EX 10'W UTILITY ESMT
PB 278, PG 31

40
25M340592
101 WATSON PLZ A
N/F
WATSON PLAZA LLC
DB 17143, PG 2485
1228 SF P.H.E.
43255 SF ORIGINAL
432551 SF REMAINING

EX 20'W SWBT ESMT
PB 354, PG 406

42
25M340460
9819 WATSON RD
N/F
WATSON PLAZA LLC
DB 17143, PG 2485
1016 SF T.C.E.
39204 SF ORIGINAL
39204 SF REMAINING

MATCHLINE STA. 2090+00

DRWY
STA. 2090+60 LT.
30' WIDE PAVED
APPROACH (8")
GRADE = 1.5% (5.5' ADA
PATH) / 7.50% AT ℄

STA. 2090+40.00
69.00' RT
L = 10.00'
N 5° 4' 19" W

STA. 2091+14.82
69.00' LT

DRWY
STA. 2091+75 LT.
NO IMPROVEMENTS

EX 15'W STL CO
WATER ESMT
PB 354, PG 406

EX 10'W LACLEDE
GAS ESMT
PB 354, PG 406

L = 60.95'
N 75° 29' 5" E
STA. 2094+45.00
55.00' LT

L = 100.00'
N 84° 55' 41" E

L = 19.00'
S 6° 7' 55" E

L = 10.00'
N 5° 4' 19" W
STA. 2092+55.00
50.00' LT

L = 35.00'
N 84° 55' 41" E

STA. 2092+90.00
60.00' LT

L = 10.00'
S 5° 4' 19" E

EXIST. R/W

L = 5.00'
N 5° 4' 19" W
STA. 2094+45.00
50.00' LT

L = 325.03'
S 84° 55' 41" W

STA. 2090+40.00
59.00' LT

L = 74.82'
N 84° 55' 41" E

STA. 2091+15.17
50.00' LT

L = 35.00'
S 84° 55' 41" W

L = 68.82'
S 84° 55' 41" W

2090+00

2091+00

2092+00

2093+00

2094+00

CONST. ℄ RTE. 366
MILL/OVERLAY

N 84° 55' 41" E

STA. 2093+30.92
50.00' RT
L = 4.08'
S 84° 55' 41" W
L = 20.00'
N 6° 8' 19" W

STA. 2091+16.65
50.00' RT
L = 5.00'
S 6° 7' 42" E

STA. 2091+16.74
55.00' RT
L = 3.00'
S 6° 7' 42" E

STA. 2091+16.80
58.00' RT

STA. 2092+50.00
50.00' RT

STA. 2091+80.00
50.00' RT

L = 18.08'
N 84° 55' 41" E

STA. 2093+16.92
50.00' RT

STA. 2093+35.00
50.00' RT

L = 200.03'
N 84° 55' 41" E

EXIST. R/W

L = 5.00'
S 5° 4' 19" E
STA. 2091+80.00
55.00' RT

L = 200.03'
S 84° 55' 41" W

T.C.E.
(TYP.)

L = 15.00'
N 5° 4' 19" W
STA. 2092+50.00
65.00' RT

L = 63.25'
S 84° 55' 41" W

L = 63.35'
N 84° 55' 41" E

L = 66.92'
N 84° 55' 41" E

L = 68.12'
N 86° 37' 51" W

L = 25.00'
S 6° 8' 19" E
STA. 2093+17.39
75.00' RT
L = 17.61'
S 84° 55' 41" W

L = 25.00'
S 5° 4' 19" W

STA. 2093+35.00
75.00' RT

9'

DRWY
STA. 2094+07 RT.
NO IMPROVEMENTS

STA. 2093+68.00
50.00' RT
L = 12.25'
S 84° 55' 41" W
STA. 2093+80.25
55.00' RT
L = 12.23'
S 84° 55' 41" W
STA. 2093+80.34
55.00' RT
L = 5.00'

L = 5.00'
N 5° 4' 19" W
STA. 2093+68.00
55.00' RT
L = 12.23'
S 84° 55' 41" W
STA. 2093+80.34
55.00' RT
L = 5.00'
S 6° 8' 18" E
L = 14.66'
S 84° 55' 41" W
STA. 2093+95.00
55.00' RT

STA. 2093+95.00
50.00' RT
L = 5.00'
S 5° 4' 19" E

APPROX EAST
LINE US
SURVEY 2453
APPROX WEST
LINE
FRACTIONAL
SECTION 18

DRWY
STA. 2090+78 RT.
31' WIDE PAVED
APPROACH (8")
GRADE = 1.5% (5.5' ADA
PATH) / 1.22% AT ℄

39
25M320642
9838 WATSON RD
N/F
ARCP RL PORTFOLIO III LLC
DB 21112, PG 1858
SEE SHEET 101

DRWY
STA. 2091+54 RT.
42' WIDE PAVED
APPROACH (8")
GRADE = 1.5% (5' ADA
PATH) / 7.50% AT ℄

41
25M320594
9822 WATSON RD
N/F
BLUTH CAROL L
REVOCABLE TRUST THE
DB MISSING, PG MISSING
1659 SF T.C.E.
87120 SF ORIGINAL
87120 SF REMAINING

DRWY
STA. 2092+78 RT.
38' WIDE PAVED
APPROACH (8")
GRADE = 1.5% (5' ADA
PATH) / 7.50% AT ℄

WATSON RIDGE DR

DRWY
STA. 2093+21 RT.
12' WIDE PAVED
APPROACH (8")
GRADE = 1.5% (5' ADA
PATH) / 2.84% AT ℄

43
25M340042 & 25M340031
9806 WATSON RD
N/F
ECA PROPERTIES
LLC
DB 23196, PG 2393
581 SF T.C.E.
23413 SF ORIGINAL
23413 SF REMAINING

43

MATCHLINE STA. 2094+50

ROW SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. ROW)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY

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BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
09/05/2024 6:46:03 PM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DATE PREPARED: 7/26/2024
MO ROUTE: 366
STATE: MO
DISTRICT: SL
SHEET NO.: 102
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

SHEET 24 OF 73
RIGHT OF WAY SHEET
ROUTE 366
WATSON ROAD

SCALE
0 20 40 60

MATCHLINE STA. 2094+50

MATCHLINE STA. 2100+00

40
25M340592
101 WATSON PLZ A
N/F
WATSON PLAZA LLC
DB 17143, PG 2485
SEE SHEET 102

42
25M340460
9819 WATSON RD
N/F
WATSON PLAZA LLC
DB 17143, PG 2485
SEE SHEET 102

46
25M340581
9807 WATSON RD
N/F
WATSON PLAZA LLC
DB 17143, PG 2485
342 SF P.H.E.
3182 SF T.C.E.
66211 SF ORIGINAL
66211 SF REMAINING

40
25M340592
101 WATSON PLZ A
N/F
WATSON PLAZA LLC
DB 17143, PG 2485
SEE SHEET 28

49
25M340543
9805 WATSON RD
N/F
WATSON PLAZA LLC
DB 17143, PG 2485
368 SF P.H.E.
315 SF T.C.E.
35719 SF ORIGINAL
35719 SF REMAINING

43
25M340042 & 25M340031
9806 WATSON RD
N/F
ECA PROPERTIES LLC
DB 23196, PG 2393
SEE SHEET 102

45
25M340493
9804 WATSON RD
N/F
DAUGHTERS OF ST PAUL
RELIGIOUS TRUST
DB 23197, PG 345
135 SF T.C.E.
43560 SF ORIGINAL
43560 SF REMAINING

47
25M340507
9800 WATSON RD
N/F
TD NAIL SPA LLC
DB 24642, PG 3408
65 SF T.C.E.
32670 SF ORIGINAL
32670 SF REMAINING

48
25M340394
9792 WATSON RD
N/F
SCOTT CREDIT UNIONS
DB 24296, PG 1499
373 SF P.H.E.
1100 SF T.C.E.
77800 SF ORIGINAL
77800 SF REMAINING

50
25M340341
9760 WATSON RD
N/F
SONNY'S REAL ESTATE
DEVELOPMENT LLC
DB 21567, PG 774
3872 SF T.C.E.
51509 SF ORIGINAL
51509 SF REMAINING

DRWY STA. 2094+64 LT. 16' WIDE PAVED APPROACH (8") GRADE = 1.5% (7' ADA PATH) / 1.05% AT ℄

DRWY STA. 2095+47 LT. 16' WIDE PAVED APPROACH (8") GRADE = 1.5% (5' ADA PATH) / 0.75% AT ℄

DRWY STA. 2094+80 RT. NO IMPROVEMENTS

DRWY STA. 2096+28 RT. 31' WIDE PAVED APPROACH (8") GRADE = 0.36% (9' ADA PATH)/ 0.36% AT ℄

DRWY STA. 2096+86 RT. 24' WIDE PAVED APPROACH (8") GRADE = 1.5% (6' ADA PATH) / 1.04% AT ℄

DRWY STA. 2100+00 RT. 60' WIDE PAVED APPROACH (8") GRADE = -0.5% (4' ADA PATH) / -11.00% AT ℄

10'W LACLEDE GAS ESMT PB 12630, PG 2490

EX 20'W SWBT ESMT PB 354, PG 406

EX 15'W STL CO WATER ESMT PB 354, PG 406

EXIST. 40'W PRIV RDWY ESMT DB 1830, PG 255

EXIST. ROW CITY OF CRESTWOOD DB 15434, PG 539

EX ROW CITY OF CRESTWOOD DB 17715, PG 5735

EXIST. R/W

CONST. ℄ RTE. 366

T.C.E. (TYP.)

P.H.E. (TYP.)

EX 10'W DRAINAGE ESMT TO BORTZ AND HALL, INC ANTON TENDLER DB 1812, PG 600 DB 1913, PG 24 DB 1955, PG 98

EXIST. 10'W MSD ESMT DB 6638, PG 1750

5'W MSD ESMT BK 3837, PG 281

10'W SEWER ESMT BK 1812, PG 600

GLENWOOD DR

CURVE GLENWOOD_5
PI 5+64.55
PC 5+25.00
PT 6+02.34
Δ 29° 32' 33.7" (LT)
D 38° 11' 49.9"
L 77.34'
T 39.55'
R 150.00'

POT STA 5+00.00

PC STA 5+25.00

ROW SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. ROW)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

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MO PE-2023008624

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DATE PREPARED 7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	103

COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE | REV.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr., Ste 300
Chesterfield, Missouri 63017
636.240.2444
www.gbateam.com
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH PROFESSIONAL ENGINEER PE-2023008624

SHEET 25 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

SCALE
0 20 40 60

APPROX SOUTHWEST LINE US SURVEY 1936
APPROX EAST LINE FRACTIONAL SECTION 18

EX 10'W UTILITY ESMT PB 354, PG 406

52
25L130525
9701 WATSON RD
N/F
THF CRESTWOOD POINT DEVELOPMENT L L C
DB 14368, PG 390
2090 SF T.C.E.
346302 SF ORIGINAL
346302 SF REMAINING

49
25M340543
9805 WATSON RD
N/F
WATSON PLAZA LLC
DB 17143, PG 2485
SEE SHEET 103

EX 15'W STL CO WATER ESMT PB 354, PG 406

DRWY
STA. 2102+76 LT.
32' WIDE PAVED APPROACH (8")
GRADE = 1.5% (5' ADA PATH) / 2.96% AT ℄
L = 65.00'
N 84° 55' 41" E

EX 5'W DRAINAGE ESMT STATE HWY COMMISSION DB 6247,PG 231 AND DB 6247,PG 243

AMEREN ESMT BK 16315, PG 2866
VARIABLE WIDTH BASED ON LOCATION OF POLES

EXIST. R/W

MILL/OVERLAY

CONST. ℄ RTE. 366

DRWY
STA. 2101+04 RT.
30' WIDE PAVED APPROACH (8")
GRADE = 1.5% (6.5' ADA PATH) / 5.30% AT ℄

T.C.E. (TYP.)

P.H.E. (TYP.)

DRWY
STA. 2103+43 RT.
24' WIDE PAVED APPROACH (8")
GRADE = -1.5% (5' ADA PATH) / -0.67% AT ℄

DRWY
STA. 2104+34 RT.
NO IMPROVEMENTS

20'W MSD ESMT 8976/2105

50
25M340341
9760 WATSON RD
N/F
SONNY'S REAL ESTATE DEVELOPMENT LLC
DB 21567, PG 774
SEE SHEET 103

51
25L130482
9730 WATSON RD
N/F
GIANINO ORAZIO J TRUSTEE ETAL
DB 18113, PG 1742
4217 SF T.C.E.
68389 SF ORIGINAL
68389 SF REMAINING

53
25L130543
9712 WATSON RD
N/F
LAST LLC
DB 21238, PG 589
189 SF P.H.E.
470 SF T.C.E.
25352 SF ORIGINAL
25352 SF REMAINING

EX 10'W DRAINAGE ESMT TO BORTZ AND HALL, INC
ANTON TENDLER
DB 18121, PG 600
DB 1913, PG 24
DB 1955, PG 98

ROW SHEET LEGEND
- EXISTING RIGHT-OF-WAY (EXIST. ROW)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY

SHEET 26 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
09/05/2024 6:46:03 PM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	104

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE	REV.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr., Ste 300
Chesterfield, Missouri 63017
636.240.2444
www.gbateam.com
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SCALE
0 20 40 60

NOTE: EXISTING LINEWORK SHOWN IN THIS AREA REPRESENTS ONGOING CONSTRUCTION ASSOCIATED WITH THE CRESTWOOD CROSSING DEVELOPMENT (BY OTHERS) BUT SHOULD NOT BE CONSIDERED SURVEY.

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MATCHLINE STA. 2105+50

MATCHLINE STA. 2111+00

52
25L130525
9701 WATSON RD
N/F
THF CRESTWOOD POINT DEVELOPMENT L L C
DB 14368, PG 390
SEE SHEET 104

EXIST. R/W

SAPPINGTON RD

S 46° 18' 02" E

3+00

PC STA 3+54.93

EXIST. R/W

CURVE SAPPINGTON_4
PI 4+27.89
PC 3+54.93
PCC 5+00.00
Δ 15° 06' 45.6" (RT)
D 10° 25' 02.7"
L 145.07'
T 72.96'
R 550.00'

54
25L140162
1 CRESTWOOD PLZ
N/F
CRESTWOOD MISSOURI PARTNERS LLC
DB 20992, PG 1438
SEE SHEET 109

EX 5'W DRAINAGE ESMT
STATE HWY COMMISSION
DB 6247, PG 231 AND
DB 6247, PG 243

EXIST. R/W

4+00

2110

FUTURE ROW DEDICATION (BY OTHERS)

5

2106+00 2107+00 2108+00 2109+00 2110+00 2111+00

MILL/OVERLAY

63.9°

PCC STA 5+00.00

N 84° 55' 41" E

90°

63.9°

AMEREN ESMT BK 16315,
PG 2866
VARIABLE WIDTH BASED
ON LOCATION OF POLES

EXIST. R/W

DRWY
STA. 2106+44 RT.
NO IMPROVEMENTS

53
25L130543
9712 WATSON RD
N/F
LAST LLC
DB 21238, PG 589
SEE SHEET 104

EXIST. R/W

E WATSON RD

6+00

PT STA 6+18.40

S 18° 51' 14" E

SAPPINGTON RD

EXIST. R/W

EXIST. R/W

EXIST. ESMT

25L130112
9730 E WATSON RD
N/F
9730 E WATSON RD LLC
DB 15549, PG 305
NO ACQUISITION

25L130534
4 CRESTWOOD EXECUTIVE CTR
N/F
EVEN DOZEN PROPERTIES L L C
DB 15595, PG 1831
NO ACQUISITION

CURVE SAPPINGTON_5
PI 5+59.43
PCC 5+00.00
PT 6+18.40
Δ 12° 20' 01.9" (RT)
D 10° 25' 02.7"
L 118.40'
T 59.43'
R 550.00'

ROW SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. ROW)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY

SHEET 27 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
PROFESSIONAL ENGINEER
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
09/05/2024 6:46:04 PM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED 7/26/2024
MO ROUTE 366
STATE MO
DISTRICT SL
SHEET NO. 105
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION
DATE
REV.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
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Chesterfield, Missouri 63017
636.240.2444
www.gbateam.com
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SCALE
0 20 40 60

NOTE: EXISTING LINEWORK SHOWN IN THIS AREA REPRESENTS ONGOING CONSTRUCTION ASSOCIATED WITH THE CRESTWOOD CROSSING DEVELOPMENT (BY OTHERS) BUT SHOULD NOT BE CONSIDERED SURVEY.

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BRIAN D. KIERATH JR. NUMBER PE-2023008624
PROFESSIONAL ENGINEER
STATE OF MISSOURI
09/05/2024 6:46:04 PM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

54
25L140162
1 CRESTWOOD PLZ
N/F
CRESTWOOD MISSOURI PARTNERS LLC
DB 20992, PG 1438
SEE SHEET 109

10'x20' UNION ELEC CO
DB 16349, PG 2067

10'x20' UNION ELEC CO
DB 6036, PG 117
(APPROX.LOCATION)

FUTURE ROW DEDICATION
(BY OTHERS)

CURVE US366_7
PI 2119+34.11
PC 2113+66.71
PT 2124+87.02
Δ 22° 24' 18.3" (LT)
D 1° 59' 59.6"
L 1,120.31'
T 567.40'
R 2,864.93'

MATCHLINE STA. 2111+00

MATCHLINE STA. 2115+00

EXIST. R/W

CONST. ℄ RTE. 366

MILL/OVERLAY

N 84° 55' 41" E

PC STA 2113+66.71

L = 7.31'
N 41° 46' 39" E
STA. 2111+14.66
50.00' RT

L = 109.94'
N 84° 55' 41" E

STA. 2112+24.60
50.00' RT
L = 1.96'
S 84° 55' 41" W
STA. 2112+26.56
50.00' RT
L = 15.30'
N 83° 45' 43" W

L = 140.15'
N 84° 55' 41" E

L = 125.15'
S 84° 55' 41" W

L = 118.13'
R = 2914.93'

STA. 2113+66.71
50.00' RT

STA. 2114+10.00
57.00' RT

L = 119.52'
R = 2917.93'

L = 36.42'
R = 2921.93
STA. 2114+84.05
53.00' RT
L = 3.26'
S 30° 19' 57" E
STA. 2114+82.81
50.00' RT
L = 2.17'
S 30° 19' 57" W
L = 87.34'
R = 2914.93'

90° LOC. TAN.

STA. 2111+09.32
55.00' RT

EXIST. ESMT

DRWY
STA. 2111+34
RT.
37' WIDE PAVED
APPROACH (8")
GRADE = 1.5%
(5' ADA
PATH) / 5.03%
AT ℄

55
25L130141
9666 WATSON RD
N/F
AANASER INC
DB 21532, PG 574
567 SF T.C.E.
31799 SF ORIGINAL
31799 SF REMAINING

L = 116.71'
S 84° 55' 41" W

L = 5.20'
S 21° 2' 53" E
L = 2.08'
N 21° 2' 53" W
STA. 2112+26.60
57.00' RT
STA. 2112+26.03
55.00' RT
STA. 2112+41.56
53.00' RT

DRWY
STA. 2112+00 RT.
43' WIDE PAVED
APPROACH (8")
GRADE = 1.5% (5' ADA
PATH) / 2.92% AT ℄

P.H.E. (TYP.)

T.C.E. (TYP.)

L = 140.11'
S 84° 55' 41" W

STA. 2113+66.71
53.00' RT
STA. 2113+66.71
57.00' RT

L = 44.15'
R = 2921.93'

56
25L140074
9618 WATSON RD
N/F
MORNING GLORY L L C
DB 10846, PG 895
754 SF P.H.E.
1480 SF T.C.E.
145490 SF ORIGINAL
145490 SF REMAINING

L = 10.00'
N 5° 56' 15" W
STA. 2114+10.00
67.00' RT

L = 40.94'
R = 2931.93'

L = 10.00'
N 6° 44' 15" W
STA. 2114+50.00
67.00' RT

STA. 2114+50.00
57.00' RT
L = 4.34'
S 30° 19' 57" E
STA. 2114+85.71
57.00' RT
STA. 2114+86.54
59.00' RT
L = 83.61'
R = 2923.93'
L = 88.16'
R = 2917.93'

DRWY
STA. 2114+31 RT.
32' WIDE PAVED
APPROACH (8")
GRADE = 1.5% (5' ADA
PATH) / 1.50% AT ℄

5' W. UNION ELEC ESMT PB 369, PG 437

ROW SHEET LEGEND
- EXISTING RIGHT-OF-WAY (EXIST. ROW)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY

SHEET 28 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	106

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr., Ste 300
Chesterfield, Missouri 63017
636.240.2444
www.gbateam.com
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

SCALE
0 20 40 60

NOTE: EXISTING LINEWORK SHOWN IN THIS AREA REPRESENTS ONGOING CONSTRUCTION ASSOCIATED WITH THE CRESTWOOD CROSSING DEVELOPMENT (BY OTHERS) BUT SHOULD NOT BE CONSIDERED SURVEY.

CURVE OLDSAPPINGTON_4
PI 5+29.62
PCC 5+00.00
PT 5+59.12
Δ 8° 28' 07.3" (LT)
D 14° 19' 26.2"
L 59.12'
T 29.62'
R 400.00'

CURVE OLDSAPPINGTON_3
PI 4+69.56
PC 4+38.99
PCC 5+00.00
Δ 8° 44' 18.4" (LT)
D 14° 19' 26.2"
L 61.01'
T 30.56'
R 400.00'

CURVE RTE366_7
PI 2119+34.11
PC 2113+66.71
PT 2124+87.02
Δ 22° 24' 18.3" (LT)
D 1° 59' 59.6"
L 1,120.31'
T 567.40'
R 2,864.93'

54
25L140162
1 CRESTWOOD PLZ
N/F
CRESTWOOD MISSOURI PARTNERS LLC
DB 20992, PG 1438
SEE SHEET 109

DISCLAIMER
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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
09/05/2024 6:46:04 PM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED 7/26/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 107
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059
BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

POT STA 3+50.00
EXIST. 10'W LACLEDE GAS CO ESMT BK 7590, PG 745
S 12° 55' 54" E
CRESTWOOD CROSSING (WEST ENTRANCE)
4+00
PC STA 4+38.99
PCC STA 5+00.00
PT STA 5+59.12
6+00
7+00
2115+00
2116+00
2117+00
2118+00
2119+00
2120+00
2115
2120
MATCHLINE STA. 2115+00
MATCHLINE STA. 2120+50
EXIST. 10'W MSD ESMT DOC 2022042100453
6247/287
6290/2305
STATE OF MO
DRAIN ESMT
FUTURE ROW DEDICATION (BY OTHERS)
EXIST. R/W
CONST. ℄ RTE. 366
LOC. TAN. 78.1°
MILL/OVERLAY
L = 87.34'
R = 2914.93'
90°
STA. 2115+68.65
50.00' RT
L = 83.61'
R = 2923.93'
L = 88.16'
R = 2917.93'
STA. 2115+68.46
59.00' RT
STA. 2115+70.61
53.00' RT
L = 63.19'
S 58° 57' 46" E
L = 61.54'
N 58° 57' 46" W
L = 70.25'
N 58° 57' 46" W
L = 15.46'
STA. 2116+15.46
91.14' RT
STA. 2116+16.15
93.08' RT
STA. 2116+20.27
104.78' RT
L = 12.45'
S 30° 8' 20" E
L = 2.07'
S 30° 8' 20" E
S 30° 08' 20" E
OLD SAPPINGTON RD
EXIST. R/W
POT STA 7+00.00
DRWY
STA. 2115+17 RT.
33' WIDE PAVED APPROACH (8")
GRADE = 1.5% (5' ADA PATH) / 1.02% AT ℄
57
25L140571
9600 WATSON RD
N/F
9600 WATSON ROAD LLC
DB 20944, PG 828
326 SF P.H.E.
911 SF T.C.E.
14810 SF ORIGINAL
14810 SF REMAINING
EXIST. 6'W SDWK ESMT TO CITY OF CRESTWOOD PB 7038, PG 2465
EXIST. 10'W UTIL ESMT PB 359, PG 34
NOTE: EXISTING LINEWORK SHOWN IN THIS AREA REPRESENTS ONGOING CONSTRUCTION ASSOCIATED WITH THE CRESTWOOD CROSSING DEVELOPMENT (BY OTHERS) BUT SHOULD NOT BE CONSIDERED SURVEY.
58
25L140636
9560 WATSON RD
N/F
CH RETAIL FUND I ST LOUIS SAPPINGTON
DB 21648, PG 1703
2068 SF T.C.E.
211571 SF ORIGINAL
211571 SF REMAINING
L = 10.00'
N 16° 44' 14" W
T.C.E. (TYP.)
STA. 2119+50.00
50.00' RT
L = 15.31'
S 73° 6' 47" W
L = 21.46'
N 62° 51' 15" W
L = 89.49'
R = 2914.93'
S 83° 36' 53" W
L = 50.45'
STA. 2119+65.00
60.00' RT
STA. 2119+80.00
75.00' RT
LOC. TAN. 90°
L = 20.81'
S 2° 20' 1" E
L = 15.61'
S 2° 20' 1" E
STA. 2120+37.10
50.00' RT
L = 111.31'
R = 2914.93'
STA. 2120+33.10
RT
STA. 2120+28.10
85.00' RT
STA. 2120+33.10
65.00' RT
L = 67.80'
S 70° 55' 34" W
DRWY
STA. 2120+02 RT.
38' WIDE PAVED APPROACH (8")
GRADE = 1.50% (6' ADA PATH) / 2.80% AT ℄

ROW SHEET LEGEND
EXISTING RIGHT-OF-WAY (EXIST. ROW)
PERMANENT HIGHWAY EASEMENT (P.H.E.)
TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
CONSTRUCTION LIMITS (SL)
SIDEWALK REMOVAL
PROPOSED SIDEWALK
PROPOSED MILL/OVERLAY

SHEET 29 OF 73
RIGHT OF WAY SHEET
ROUTE 366
WATSON ROAD

SCALE
0 20 40 60

NOTE: EXISTING LINEWORK SHOWN IN THIS AREA REPRESENTS ONGOING CONSTRUCTION ASSOCIATED WITH THE CRESTWOOD CROSSING DEVELOPMENT (BY OTHERS) BUT SHOULD NOT BE CONSIDERED SURVEY.

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54
25L140162
1 CRESTWOOD PLZ
N/F
CRESTWOOD MISSOURI PARTNERS LLC
DB 20992, PG 1438
SEE SHEET 109

CURVE RTE366_7
PI 2119+34.11
PC 2113+66.71
PT 2124+87.02
Δ 22° 24' 18.3" (LT)
D 1° 59' 59.6"
L 1,120.31'
T 567.40'
R 2,864.93'

MATCHLINE STA. 2120+50

EXIST. 10'W MSD ESMT DOC 2022042100453

FUTURE ROW DEDICATION (BY OTHERS)

EXIST. R/W

CONST. ℄ US 366

MILL/OVERLAY

2121+00 2122+00 2123+00 2124+00 2125+00 2126+00

PT STA 2124+87.02

2125

STA. 2126+00

MATCHLINE STA. 2126+00

L = 67.80'
S 70° 55' 34" W

L = 111.31'
R = 2914.93'

STA. 2121+47.35
50.00' RT
L = 17.96'
R = 2914.93'
102.5°
LOC. TAN.

STA. 2121+65.00
50.00' RT
L = 16.00'
N 21° 44' 13" W

STA. 2122+00.00
50.00' RT

L = 30.52'
R = 2914.93'

STA. 2122+30.00
50.00' RT

STA. 2124+30.00
50.00' RT

L = 57.09'
R = 2914.93'

STA. 2124+86.11
50.00' RT

N 62° 31' 23" E

50.9°

L = 10.00'
S 27° 28' 37" E
STA. 2124+86.11
60.00' RT
L = 13.91'
N 62° 31' 23" E
STA. 2125+00.00
60.00' RT
L = 10.00'
S 27° 28' 37" E
STA. 2125+00.00
70.00' RT
L = 25.29'
S 62° 34' 54" W
STA. 2124+75.00
70.00' RT
L = 10.00'
S 27° 14' 12" E

STA. 2121+00.00
65.00' RT

L = 52.80'
S 75° 11' 1" W

L = 20.41'
S 32° 16' 7" E
STA. 2121+51.35
70.00' RT
L = 13.98'
S 69° 5' 59" W
STA. 2121+65.00
70.00' RT
L = 20.00'
S 21° 2' 13" E

L = 16.00'
S 22° 20' 13" E
STA. 2122+30.00
66.00' RT
L = 30.69'
R = 2930.93'
STA. 2122+00.00
66.00' RT

EXIST. R/W
EXIST. 10'W ESMT PB 326, PG 28
10'W UNION ELEC ESMT BK 10273, PG 1204

L = 30.00'
N 26° 20' 12" W
STA. 2124+30.00
80.00' RT
L = 46.26'
S 63° 12' 48" W
STA. 2124+75.00
80.00' RT

DRWY
STA. 2121+67.93 RT.
NO IMPROVEMENTS

DRWY
STA. 2125+15 RT.
20' WIDE PAVED APPROACH (8")
GRADE = -1.5% (5' ADA PATH) / 1.50% AT ℄

60
25L140562
9540 WATSON RD
N/F
MCW R D CRESTWOOD COMMONS LLC
DB 17647, PG 2396
4229 SF T.C.E.
273992 SF ORIGINAL
273992 SF REMAINING

59
25L140645
9550 WATSON RD
N/F
FIRST COMMUNITY CREDIT UNION
DB 22066, PG 1948
1846 SF T.C.E.
32975 SF ORIGINAL
32975 SF REMAINING

10'W ESMT PB 326, PG 28

15'W UNION ELEC ESMT BK 19635, PG 1832

10'W ST. LOUIS WATER CO ESMT BK 10308, PG 1324

10'W ST. LOUIS WATER CO ESMT BK 10308, PG 1324

SHEET 30 OF 73

ROW SHEET LEGEND
- EXISTING RIGHT-OF-WAY (EXIST. ROW)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
09/05/2024 6:46:04 PM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED 7/26/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 108
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr., Ste 300
Chesterfield, Missouri 63017
636.240.2444
www.gbateam.com
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

SCALE
0 20 40 60

54

25L140654
1 CRESTWOOD PLZ
N/F
DIERBERGS CRESTWOOD CROSSING LLC
3681 SF P.H.E.

1068222 SF ORIGINAL
1068222 SF REMAINING

POT STA 3+00.00

℄ CRESTWOOD CROSSING
CENTER ENTRANCE

EX 10'W LACLEDE GAS CO ESMT BK 5207, PG 239 (APPROX. POSITION)

6247/287
6290/2305
STATE OF MO
TRAFFIC DETECTOR ESMT

FUTURE ROW DEDICATION
(BY OTHERS)

EXIST. R/W

EXIST. R/W

2130

MATCHLINE STA. 2126+00

MATCHLINE STA. 2130+50

2127+00

2128+00

2129+00

2130+00

N 62° 31' 23" E

PI STA 5+00.00

CONST. ℄ RTE 366

STA. 2126+56.27
60.00' RT.
L = 10.00'
N 27° 28' 37" W

L = 58.00'
S 62° 31' 23" W

STA. 2127+14.27
60.00' RT.
L = 10.00'
N 27° 28' 37" W

EXIST. R/W

EX 10'W ESMT PB 326, PG 28

EXIST. R/W

10'W UNION ELEC ESMT
BK 10273, PG 1204

STA. 2126+56.27
70.00' RT.

L = 58.00'
S 62° 31' 23" W

STA. 2127+14.27
70.00' RT.

60
SEE PREVIOUS SHEET

STA. 2127+92.98
90.23' RT.

L = 24.48'
N 37° 12' 56" W

STA. 2127+97.12
114.36' RT.

L = 66.80'
S 66° 5' 58" W

L = 65.00'
N 52° 47' 4" E

STA. 2128+59.64
94.40' RT.

L = 9.09'
N 37° 12' 56" W

STA. 2128+61.18
103.36' RT.

STA. 2128+73.98
50.00' RT.

L = 5.07'
S 37° 16' 14" E

STA. 2128+74.82
55.00' RT.

EXIST. R/W

T.C.E.

L = 190.59'
N 62° 31' 23" E

L = 190.58'
S 62° 31' 23" W

DRWY
2129+10 RT.
30' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) /
+4.6% AT CL

61

25L230111
9420 WATSON RD
N/F
9420 WATSON ROAD LLC
DB 17699, PG 5130
953 SF T.C.E.
25138 SF ORIGINAL
25138 SF REMAINING

℄ CRESTWOOD COMMONS

EX 10'W ESMT PB 326, PG 28

POT STA 7+00.00

ROW SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	109

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

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REV.

SHEET 31 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

SCALE
0 20 40 60

ROW SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

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54
SEE PREVIOUS SHEET

MATCHLINE STA. 2130+50

MATCHLINE STA. 2136+00

P.H.E.

EXIST. R/W

STA. 2130+57.30
50.00' LT.
L = 7.61'
S 37° 13' 37" E
STA. 2130+55.92
58.00' LT.

L = 176.91'
S 62° 31' 23" W

STA. 2132+32.83
58.00' LT.

L = 97.26'
S 64° 52' 49" W

STA. 2133+30.00
54.00' LT.

L = 421.95'
S 62° 31' 23" W

L = 694.65'
S 62° 31' 23" W

EX 10'W MSD ESMT
DOC 2022042100453

EX 10'W MSD ESMT
DOC 2022042100569

2135

2131+00 2132+00 2133+00 2134+00 2135+00

N 62° 31' 23" E

CONST. ℄ RTE 366

L = 40.57'
N 62° 31' 23" E

L = 103.10'
N 62° 31' 23" E

L = 48.24'
N 62° 31' 23" E

L = 100.00'
S 62° 31' 23" W

L = 27.12'
N 62° 31' 23" E

L = 163.86'
S 62° 31' 23" W

EXIST. R/W

T.C.E.

STA. 2130+64.55
50.00' RT.
STA. 2130+65.40
95.00' RT.
L = 5.07'
N 37° 06' 31" W
L = 40.57'
N 62° 31' 23" E

L = 5.01'
S 37° 6' 31" E
STA. 2131+05.97
95.00' RT.
STA. 2131+06.13
50.00' RT.

L = 102.25'
S 62° 31' 23" W

STA. 2132+08.22
55.00' RT.

STA. 2132+08.22
50.00' RT.
L = 5.00'
N 27° 28' 37" W

STA. 2133+06.03
50.00' RT.

STA. 2133+06.03
58.00' RT.

L = 8.00'
S 27° 28' 37" W
L = 49.61'
S 62° 31' 23" W

STA. 2133+54.27
50.00' RT.
L = 8.12'
N 37° 13' 37" W
STA. 2133+55.64
58.00' RT.

L = 100.00'
S 62° 31' 23" W

STA. 2134+54.27
50.00' RT.
L = 9.13'
N 37° 13' 37" W
STA. 2134+55.64
58.00' RT.
STA. 2134+55.81
59.00' RT.

L = 1.01'
N 37° 13' 37" W

STA. 2134+81.39
50.00' RT.
L = 15.32'
S 70° 1' 30.94" W
STA. 2134+96.58
52.00' RT.

L = 110.16'
N 62° 31' 23" E

L = 190.98'
S 62° 31' 23" W

P.H.E.

DRWY
2133+30 RT.
26.5' WIDE PAVED APPROACH (8")
GRADE = -1.5% (6' ADA PATH) /
-8.0% / -19.5% AT CL

DRWY
2133+97 RT.
36.5' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) /
+8.9% AT CL

DRWY
2131+08 RT.
25.5' WIDE PAVED APPROACH (8")
GRADE = -7.9% /
-1.5% (5' ADA PATH) AT CL

DRWY
2131+55 RT.
24.5' WIDE PAVED APPROACH (8")
GRADE = -1.5% (6' ADA PATH) /
-9.5% AT CL

EX 10 W LACLEDE GAS CO.
ESMT BK 6595, PG 1881

61
SEE PREVIOUS SHEET

476969 SF ORIGINAL
476969 SF REMAINING

62
25L230076
9400 WATSON RD
N/F
FOREST VIEW DEVELOPMENT, LLC
DB 22086, PG 1937
203 SF T.C.E.

64
25L230102
9400 WATSON RD
N/F
LINDBERGH SCHOOLS
DB 23588, PG 1520
905 SF T.C.E.
132444 SF ORIGINAL
132444 SF REMAINING

65
25L230120
9300 WATSON RD
N/F
9300 WATSON LLC
DB 21836, PG 2123
800 SF T.C.E.
30552 SF ORIGINAL
30552 SF REMAINING

66
25L230186
9282 WATSON RD
N/F
JTS PROPERTY LLC
DB 22800, PG 2062
337 SF P.H.E.
1382 SF T.C.E.
36867 SF ORIGINAL
36867 SF REMAINING

SHEET 32 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	110

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

REV.	DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
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ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

SCALE
0 20 40 60

ROW SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED 8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	111

COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION | DATE | REV.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

SHEET 33 OF 73

54
SEE PREVIOUS SHEET

MATCHLINE STA. 2136+00

MATCHLINE STA. 2141+50

EX 10'W MSD ESMT DOC 2022042100569
EX 10'W MSD ESMT DOC 2022042100453
EX 10'W MSD ESMT DOC 2022042100453
EX MODOT SIGNAL ESMT
EXIST. R/W
℄ CRESTWOOD CROSSING EAST ENTRANCE
FUTURE ROW DEDICATION (BY OTHERS)
EX 12'W UTILITY ESMT PB 217, PG 47
FUTURE ROW DEDICATION (BY OTHERS)
EX MODOT SIGNAL ESMT

70
25L510235
9201 WATSON RD
N/F
9201 MILLENNIUM CENTRE, LLC
DB 22138, PG 2984
587 SF P.H.E.
1094 SF T.C.E.
103237 SF ORIGINAL
103237 SF REMAINING
US SURVEY 1936

DRWY
2141+19 LT.
29.5' WIDE PAVED APPROACH (8")
GRADE = +1.5% (8.5' ADA PATH) / +5.6% AT CL

2140

L = 186.78'
N 62° 31' 23" E
L = 126.49'
S 62° 31' 23" W
STA. 2140+97.87
54.00' LT.
L = 178.79'
S 62° 31' 23" W
STA. 2141+49.86
55.00' LT.
L = 4.00'
N 27° 35' 11" W
STA. 2141+49.86
59.00' LT.
STA. 2139+63.07
59.00' LT.
L = 9.00'
S 27° 35' 15" E

P.H.E.
T.C.E.
EXIST. R/W

STA. 2137+51.95
54.00' LT.
STA. 2137+51.94
50.00' LT.
L = 4.00'
S 27° 24' 11" E

2137+00
2138+00
2139+00
2140+00
CONST. ℄ RTE 366
POT STA 5+00.00
N 62° 31' 23" E

STA. 2139+66.60
50.00' LT.
STA. 2139+71.38
53.00' LT.
L = 8.30'
S 62° 31' 23" W
STA. 2139+71.37
50.00' LT.
L = 3.00'
S 27° 27' 4" E

STA. 2140+97.87
53.00' LT.
2141+00
L = 1.00'
N 27° 28' 37" W
STA. 2141+49.87
54.00' LT.
L = 4.00'
N 27° 35' 11" W
STA. 2141+49.87
50.00' LT.

L = 26.85'
N 62° 31' 23" E
L = 41.41'
N 62° 31' 23" E
STA. 2136+86.65
52.35' RT.
L = 2.35'
N 27° 28' 37" W
STA. 2136+86.65
50.00' RT.
L = 11.00'
S 62° 31' 7" W
L = 11.00'
S 62° 31' 23" W
STA. 2136+97.65
50.00' RT.
L = 2.35'
N 27° 28' 37" W
STA. 2136+97.65
52.35' RT.
L = 177.47'
N 62° 31' 23" E

L = 229.14'
S 62° 31' 23" W

STA. 2136+45.24
50.00' RT.
STA. 2136+45.59
52.00' RT.
STA. 2136+46.79
59.00' RT.
STA. 2136+47.48
63.00' RT.
L = 4.06'
S 37° 13' 37" E
L = 7.10'
S 37° 13' 37" W
N 37° 13' 37" E
L = 2.03'
S = 50.00'
S 62° 31' 23" W
L = 3.00'
N 27° 28' 37" W
STA. 2136+97.48
63.00' RT.
STA. 2136+97.48
60.00' RT.
L = 179.36'
N 62° 31' 23" E

T.C.E.
FUTURE 6' SIGNAL ESMT (BY OTHERS)

DRWY
2136+65 RT.
40' WIDE PAVED APPROACH (8")
GRADE = +1.5% (22.8' ADA PATH) AT CL

68
25L230197
9222 WATSON RD
N/F
CHIPPEWA LOFT, LLC
DB 21908, PG 784
26 SF P.H.E.
2424 SF T.C.E.
381488 SF ORIGINAL
381488 SF REMAINING

EXIST. R/W
P.H.E.
L = 12.00'
N 62° 31' 23" E
STA. 2136+06.74
52.00' RT.
STA. 2136+06.74
54.00' RT.
L = 2.00'
N 27° 23' 47" W
L = 2.00'
S 27° 28' 53" E
STA. 2136+18.74
54.00' RT.
STA. 2136+18.74
52.00' RT.

NOTE:
HATCH NOT SHOWN FOR CLARITY.

STA. 2138+76.84
60.00' RT.
EX UTILL ESMT BK 9526, PG 1007
L = 10.15'
S 37° 13' 37" E
STA. 2138+76.12
50.00' RT.
L = 227.42'
N 62° 31' 23" E

℄ CRESTVIEW PLAZA
POT STA 7+00.00

DRWY
2140+27 RT.
29.5' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) / +7.8% AT CL

69
25L510224
9206 WATSON RD
N/F
REALTY INCOME PROPERTIES 17, LLC
DB 23104, PG 922
2283 SF T.C.E.
51912 SF ORIGINAL
51912 SF REMAINING
US SURVEY 1936

STA. 2141+04.26
50.00' RT.
L = 10.00'
N 27° 28' 33" W
STA. 2141+04.26
60.00' RT.
L = 56.50'
N 62° 31' 23" E

DRWY
2141+41 RT.
29' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) / +7.0% / +8.0% AT CL

23MSD-00395 ; BASEMAPS 25N, 25M, 25L, 24-25K. 23-24J
L:\MoDOT\21040901-00\Draw\Roadway\Sheets\111_RW_J6S3582_i20.dgn
8/2/2024

SCALE
0 20 40 60

℄ WATSON INDUSTRIAL PARK DR.

WATSON INDUSTRIAL PARK DR.
2145+66 LT.
49' WIDE 8.5" PCC PAVEMENT
GRADE = -5.0 / -1.5% (6' ADA PATH) /
-5.4% AT ℄

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72
25L510246
9177 WATSON RD
N/F
DEVMAR PARTNERS, LLC
DB 22658, PG 2587
1285 SF T.C.E.
81022 SF ORIGINAL
81022 SF REMAINING

73
25L520454
9147 WATSON RD
N/F
MCD PROPERTY, LLC
DB 23504, PG 3727
610 SF T.C.E.
18327 SF ORIGINAL
18327 SF REMAINING

74
SEE NEXT SHEET

POT STA 3+50.00

DRWY
2143+71 LT.
39' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) /
+9.1% AT CL

DRWY
2144+38 LT.
48.5' WIDE PAVED
APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) /
+4.5% AT CL

EX 12" W UTILITY ESMT PB 217, PG 47

EX 20'W SIGNAL ESMT
DB 6514, PG 2120

2145

L = 257.41'
N 62° 31' 23" E

L = 256.55'
S 62° 31' 23" W

L = 118.98'
N 62° 31' 23" E

L = 124.84'
S 62° 31' 23" W

STA. 2145+31.26
55.00' LT.

STA. 2145+95.46
60.00' LT.

6" WM (BO)

L = 40.46'
S 76° 50' 11" W

STA. 2146+34.66
50.00' LT.

T.C.E.
EXIST. R/W

STA. 2144+06.42
55.00' LT.
L = 5.07'
S 37° 18' 37" E
STA. 2144+07.28
50.00' LT.

STA. 2145+26.26
50.00' LT.
L = 7.07'
S 17° 31' 23" W

L = 10.03'
N 22° 54' 37" W

STA. 2145+94.66
50.00' LT.

L = 40.00'
S 62° 31' 23" W

2142+00
2143+00
2144+00
2145+00
2146+00

N 62° 31' 23" E
CONST. ℄ RTE 366

PI STA 5+00.00

8" WM (BO)

L = 332.18'
S 62° 31' 23" W

STA. 2144+36.44
50.00' RT.

L = 5.00'
N 27° 28' 37" W

PC STA 5+61.66

20" WM (BO)

8" WM (BO)

PT STA 6+36.40

STA. 2141+60.76
60.00' RT.
L = 5.00'
S 27° 28' 37" E
STA. 2141+60.76
55.00' RT.

L = 275.68'
S 62° 31' 23" W

STA. 2144+36.44
55.00' RT.

MATCHLINE STA. 2141+50

MATCHLINE STA. 2147+00

71
25L520751
9200 WATSON RD
N/F
ROESLEIN & DICKMANN PROPERTIES, LLC
DB 10921, PG 1183
1943 SF T.C.E.
115329 SF ORIGINAL
115329 SF REMAINING

Brookview Dr.
2145+66 RT.
29.5' WIDE 8.5" PCC PAVEMENT
GRADE = -4.0% / -1.5% (6' ADA PATH) /
-4.8% AT ℄

25L520740
9120 WATSON RD
N/F
FREUND, JOSEPH
DB 11918, PG 2251
NO ACQUISITION

SHEET 34 OF 73

ROW SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	112

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
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REV.

SCALE
0 20 40 60

74
25L520267
9111 WATSON RD
N/F
SAPPINGTON,
JOHN JACK ETAL
DB N/A, PG N/A
200 SF T.C.E.
23242 SF ORIGINAL
23242 SF REMAINING

25L520630
9109 WATSON RD
N/F
SUITS U 9109, LLC
DB 23048, PG 3506
NO ACQUISITION

DRWY
2148+04 LT.
40.5' WIDE PAVED APPROACH (8")
GRADE = +1.5% (ADA PATH)
AT CL

77
25L520652
9031 WATSON RD
N/F
CRESTWOOD SQUARE ASSOCIATES, LP
DB 8251, PG 684
1724 SF T.C.E.
382115 SF ORIGINAL
382115 SF REMAINING

DRWY
2150+68 LT.
30' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) /
+4.1% AT CL

EX 15'W MSD ESMT BK 4766 PG 72

DISCLAIMER
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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	113

COUNTY
ST. LOUIS
JOB NO.
J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
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REV.

L = 10.01'
N 30° 22' 36" W
STA. 2149+48.45
90.00' LT.
STA. 2149+48.96
80.00' LT.
T.C.E.
L = 140.26'
N 62° 31' 23" E
STA. 2150+88.71
90.00' LT.
L = 10.00'
N 27° 28' 37" W
EX 15'W UNION ELECTRIC CO
ESMT BK 6644 PG 800
EXIST. R/W
STA. 2150+88.71
80.00' LT.
L = 139.76'
S 62° 31' 23" W
EXIST. R/W
EXIST. R/W
2150
MATCHLINE STA. 2147+00
MATCHLINE STA. 2152+00
PROPOSED BRIDGE #A9260
(REMOVE EXIST. BRIDGE #J0228)
2148+00
2149+00
2150+00
2151+00
CONST. ℄ RTE 366
POT STA 5+00.00
N 62° 31' 23" E
TYPE C CWET (1)
POT STA 8+08.44
20" WM (BO)
STA. 2148+92.45
85.00' RT.
L = 54.00'
S 62° 31' 23" W
20" WM (BO)
STA. 2149+46.45
85.00' RT.
EXIST. R/W
L = 46.00'
S 62° 31' 23" W
STA. 2149+92.45
85.00' RT.
L = 3.00'
S 27° 28' 37" E
STA. 2150+72.98
85.00' RT.
L = 173.73'
S 62° 31' 23" W
20" WM (BO)
L = 10.00'
N 27° 28' 37" W
STA. 2148+92.45
95.00' RT.
L = 10.43'
S 44° 4' 26" E
L = 10.00'
N 27° 28' 37" W
T.C.E.
STA. 2149+49.43
95.00' RT.
STA. 2149+92.45
95.00' RT.
STA. 2150+72.98
88.00' RT.
EXIST. R/W
T.C.E.
DRWY
2148+53 RT.
33' WIDE PAVED APPROACH (8")
GRADE = -1.5% (6' ADA PATH) /
-9.5% AT CL
L = 36.99'
S 62° 31' 23" W
L = 43.02'
S 62° 31' 23" W
DRWY
2150+63 RT.
33' WIDE PAVED APPROACH (8")
GRADE = -1.5% (6' ADA PATH) /
-2.7% AT CL
L = 175.00'
S 62° 31' 23" W
DRWY
2151+60 RT.
35.5' WIDE PAVED APPROACH (8")
GRADE = -1.5% (6' ADA PATH) /
-2.7% AT CL
EXIST. R/W
℄ BROOKVIEW DR.
EX 50'W MSD ESMT BK 10611 PG 1198
EX 15'W MSD ESMT BK 4766 PG 76
US SURVEY 1936

75
25L520355
9100 WATSON RD
N/F
CRESTPOINTE LLC
DB 16455, PG 2881
555 SF T.C.E.
24706 SF ORIGINAL
24706 SF REMAINING

76
25L520696
9052 WATSON RD
N/F
NANAPA, LLC
DB 19980, PG 1
968 SF T.C.E.
79531 SF ORIGINAL
79531 SF REMAINING

ROW SHEET LEGEND
- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

SHEET 35 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

SCALE
0 20 40 60

77
SEE PREVIOUS SHEET

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED 8/2/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 114
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MATCHLINE STA. 2152+00

MATCHLINE STA. 2157+50

℄ PARDEE LN.

EX GREAT RIVERS GREENWAY ESMT
BK 17106 PG 4231

EX 15'W UNION ELECTRIC CO
ESMT BK 6644 PG 800

L = 24.95'
S 62° 31' 23" W

STA. 2153+06.36
93.00' LT.

T.C.E.

L = 13.00'
N 27° 28' 37" W

STA. 2153+06.36
80.00' LT.

STA. 2153+31.30
93.00' LT.

L = 13.00'
N 27° 28' 37" W

STA. 2153+31.30
80.00' LT.

L = 24.95'
S 62° 31' 23" W

EXIST. R/W

2155

METROPOLITAN PARK & RECREATION DISTRICT
DB 16512, PG 2706
NO ACQUISITION

25L510356
9009 WATSON RD
N/F
METROPOLITAN PARK & RECREATION DISTRICT
DB 16512, PG 2706
NO ACQUISITION

US SURVEY 1936

25L520443
9005 WATSON RD
N/F
AUTOMOBILE CLUB OF MISSOURI
DB 20674, PG 513
DRWY NO ACQUISITION
2156+81 LT.
37' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) /
+4.2% AT CL

EXIST. R/W

CONST. ℄ RTE 366

2153+00 2154+00 2155+00 2156+00 2157+00

PT STA 5+00.00

N 62° 31' 23" E

20" WM (BO)
STA. 2152+46.71
85.00' RT.

L = 3.26'
N 50° 26' 6" W

L = 46.27'
S 62° 31' 23" W

STA. 2152+92.98
85.00' RT.

EXIST. R/W

T.C.E.

STA. 2152+47.98
88.00' RT.

T.C.E.

L = 45.00'
N 62° 31' 23" E

L = 3.00'
S 27° 28' 37" E

STA. 2152+92.98
88.00' RT.

DRWY
2153+07 RT.
34' WIDE PAVED APPROACH (8")
GRADE = +0.9% (11.6' ADA PATH) /
AT CL

76
SEE PREVIOUS SHEET

76A
25L520805
9044 WATSON RD
N/F
STURM, LAWRENCE J & ROSEMARY H/W
DB 17985, PG 1341
137 SF T.C.E.
33106 SF ORIGINAL
33106 SF REMAINING

25L520542
9044 WATSON RD R
N/F
CRESTWOOD CITY OF
DB 8345, PG 104
NO ACQUISITION

POT STA 6+75.00

Pardee Ln.
2154+18 RT.
52' WIDE 8.5" PCC PAVEMENT
GRADE = -4.0 / -1.5% (6' ADA PATH) /
-10.0% AT ℄

US SURVEY 0009

EXIST. R/W

25L610292
9030 WATSON RD
N/F
PSAF DEVELOPMENT PARTNERS LP
DB 11152, PG 2014
NO ACQUISITION

DRWY
2157+35 RT.
40' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6' ADA PATH) /
+9.0% AT CL

25L610302
8971 PARDEE RD
N/F
METROPOLITAN PARK &
RECREATION DISTRICT
DB 16512, PG 2706
NO ACQUISITION

EXIST. R/W

SHEET 36 OF 73

ROW SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
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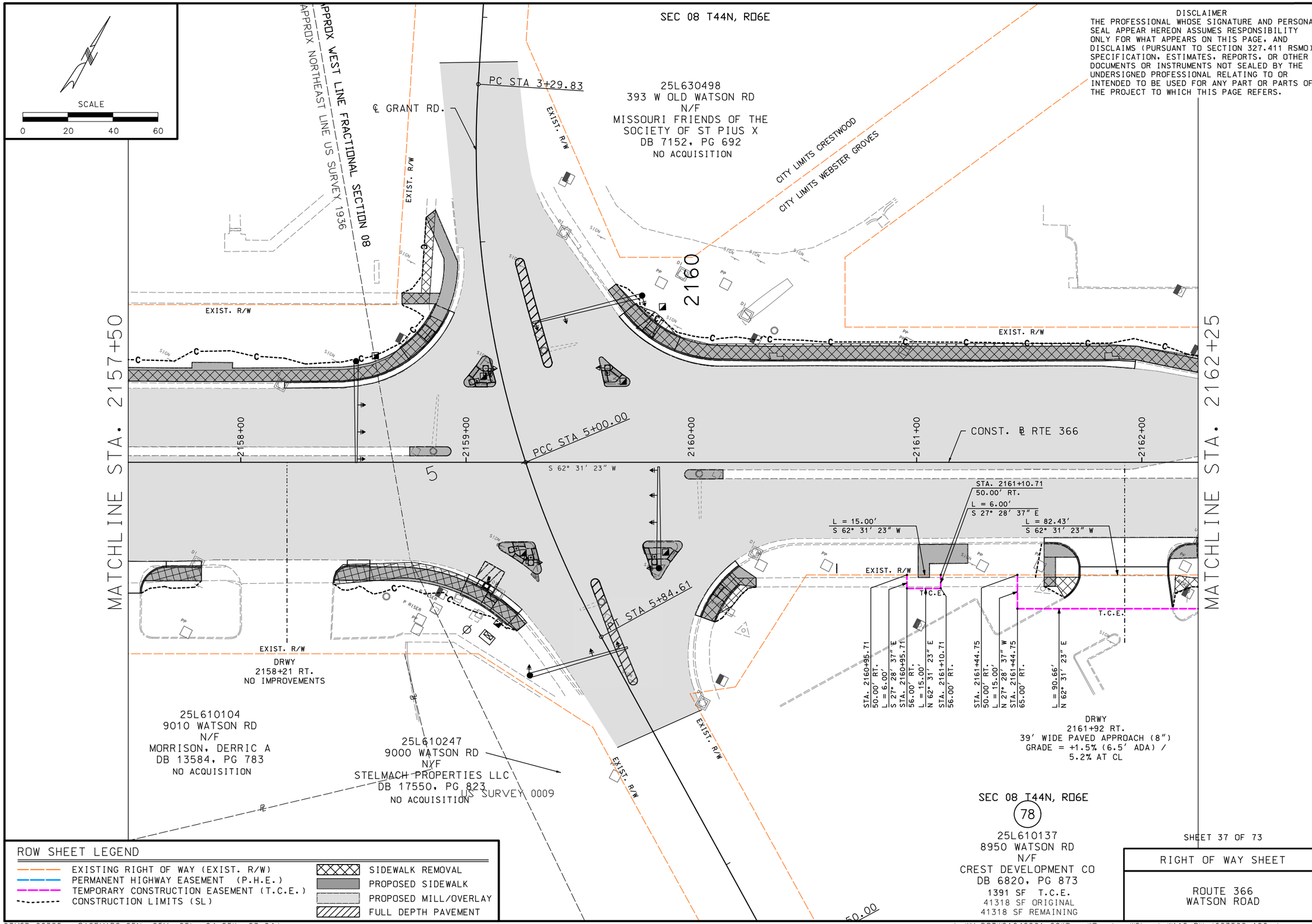
REV.



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ROW SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

SHEET 37 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED	
8/2/2024	
MO ROUTE 366	STATE MO
DISTRICT SL	SHEET NO. 115
COUNTY ST. LOUIS	
JOB NO. J6S3582	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ENGINEERING CORPORATION - 000631

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23MSD-00395 ; BASEMAPS 25N, 25M, 25L, 24-25K, 23-24J
L:*MoDOT*21040901-00*Draw*Roadway*Sheets*115_RW_J6S3582_i20.dgn
8/2/2024

SCALE
0 20 40 60

25L630586
8969 WATSON RD
N/F
NIRVANA, LLC
DB 23408, PG 2581
NO ACQUISITION

DRWY
2163+64 LT.
34.5' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) /
+6.5% AT CL

80
25L630597
8925 WATSON RD
N/F
DJH V, LLC
DB 22590, PG 1661
2235 SF T.C.E.
152573 SF ORIGINAL
152573 SF REMAINING

DRWY
2165+39 LT.
47' WIDE PAVED APPROACH (8")
GRADE = +3.5% /
+1.5% (5' ADA PATH) AT CL

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MATCHLINE STA. 2162+25

MATCHLINE STA. 2167+00

EXIST. R/W

STA. 2164+65.47
58.00' LT.

2165

L = 8.00'
N 27° 28' 37" W

CITY LIMITS WEBSTER GROVES

CITY LIMITS CRESTWOOD

T.C.E.

L = 48.21'
N 62° 31' 23" E

STA. 2166+36.41
68.00' LT.

L = 10.00'
N 27° 28' 37" W

STA. 2162+27.18
50.00' RT.
L = 5.70'
N 56° 14' 47" W
STA. 2162+29.92
55.00' RT.

2163+00

2164+00

2165+00

2166+00

STA. 2164+65.47
50.00' LT.

L = 170.95'
S 62° 31' 23" W

L = 219.16'
S 62° 31' 23" W

STA. 2166+36.41
58.00' LT.

STA. 2166+84.63
68.00' LT.
L = 18.00'
N 27° 29' 3" W
STA. 2166+84.63
50.00' LT.

L = 30.33'
N 62° 31' 23" E

S 62° 31' 23" W

℄ CONST. RTE 366

L = 5.70'
S 56° 14' 47" E
STA. 2162+32.67
60.00' RT.
L = 5.70'
N 56° 14' 47" W
L = 11.41'
S 62° 31' 23" W
STA. 2162+44.08
60.00' RT.

L = 487.78'
N 62° 31' 23" E

EX 5'W SDWK ESMT PB 354, PG 622

5'W SDWK ESMT DB 7512, PG 1874

EXIST. R/W

T.C.E.

STA. 2162+35.41
65.00' RT.

EX 10'W SWBT ESMT PB 354, PG 622

DRWY
2162+71 RT.
55.5' WIDE PAVED APPROACH (8")
GRADE = -1.5% (6' ADA PATH) /
+1.1% AT CL

L = 268.84'
S 62° 31' 23" W

79
25L610335
1270 PRICE RD
N/F
WOHLFAHRT HOLDINGS, LLC
DB 23496, PG 1916
4675 SF T.C.E.
521728 SF ORIGINAL
521728 SF REMAINING

STA. 2165+12.92
60.00' RT
L = 15.00'
N 27° 28' 37" W
STA. 2165+12.92
75.00' RT

L = 92.69'
N 62° 31' 23" E

STA. 2166+05.61
75.00' RT
L = 15.00'
N 27° 28' 37" W
STA. 2166+05.61
60.00' RT.

L = 109.35'
S 62° 31' 23" W

DRWY
2165+61 RT.
65' WIDE PAVED APPROACH (8")
GRADE = -3.5% /
-1.5% (6' ADA PATH) / -5.7% AT CL

ROW SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	116

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
REV.

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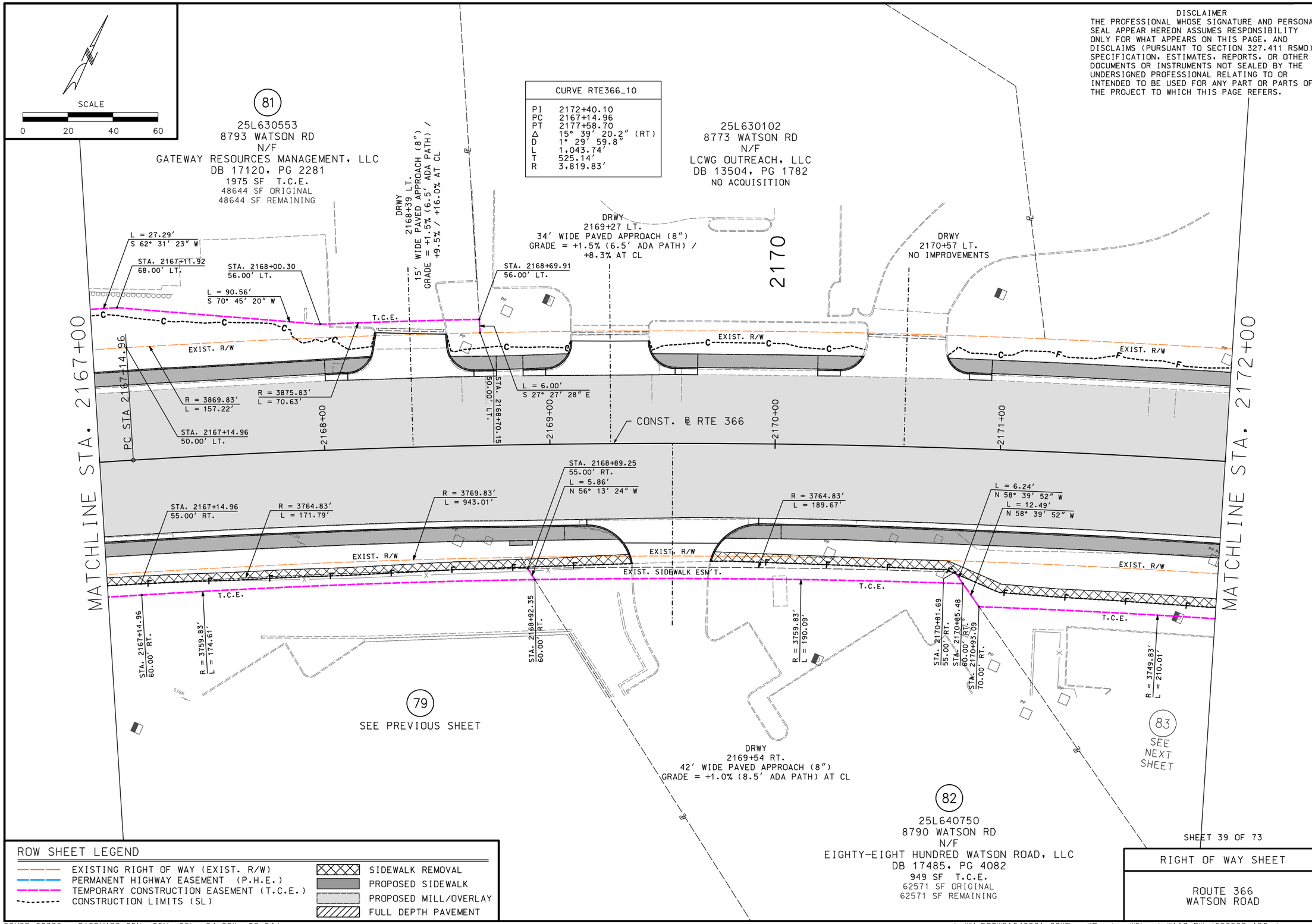
SHEET 38 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD



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ROW SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

SHEET 39 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED	
8/2/2024	
MO ROUTE 366	STATE MO
DISTRICT SL	SHEET NO. 117
COUNTY ST. LOUIS	
JOB NO. J6S3582	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
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ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

SCALE
0 20 40 60

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25L640585
8717 WATSON RD
N/F
ANICE GROVES APARTMENTS, LLC
DB 23010, PG 1817
NO ACQUISITION

25L640211
8749 WATSON RD
N/F
THE LUTHERAN CHURCH
OF WEBSTER GARDENS
DB 3280, PG 78
NO ACQUISITION

SEC 08 T44N, R06E

DRWY
2176+26 LT.
39' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) /
+9.5% / +11.6% AT CL

2175

MATCHLINE STA. 2172+00

MATCHLINE STA. 2177+00

EXIST. R/W

2173+00 2174+00 2175+00 2176+00

CONST. ℄ RTE 366

STA. 2176+70.47
50.00' RT.
L = 13.40'
N 0° 48' 1" E
STA. 2176+67.19
63.00' RT.

T.C.E.

STA. 2173+07.02
70.00' RT.
L = 10.00'
S 18° 35' 47" E
STA. 2173+07.02
60.00' RT.

R = 3759.83'
L = 265.11'

R = 3756.83'
L = 89.33'

STA. 2175+76.36
60.00' RT.
STA. 2175+76.36
63.00' RT.
L = 3.00'
N 14° 33' 23" W

83

25L640134
8720 WATSON RD
N/F
THE 410 NORTH JEFFERSON
GROUP LLC
DB 12841, PG 827
8200 SF T.C.E.
116013 SF ORIGINAL
116013 SF REMAINING

SEC 08 T44N, R06E

DRWY
2172+82 RT.
43' WIDE PAVED APPROACH (8")
GRADE = -1.5% (6'ADA PATH) /
-5.4% AT CL

DRWY
2175+60 RT.
NO IMPROVEMENTS

84
SEE
NEXT
SHEET

CURVE RTE366_10	
PI	2172+40.10
PC	2167+14.96
PT	2177+58.70
Δ	15° 39' 20.2" (RT)
D	1° 29' 59.8"
L	1,043.74'
T	525.14'
R	3,819.83'

ROW SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

SHEET 40 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	118

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION | DATE | REV.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
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CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

SCALE
0 20 40 60

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MATCHLINE STA. 2177+00

MATCHLINE STA. 2181+25

25L640222
8711 WATSON RD
N/F
D J EXECUTIVE CENTER LLC
DB 14331, PG 2736
NO ACQUISITION

25L640596
8651 WATSON RD
N/F
ARSENAL CREDIT UNION - DMAAC
DB 7422, PG 1086
NO ACQUISITION

DRWY 2178+02 LT.
36.5' WIDE PAVED APPROACH (8")
GRADE = -1.2% (ADA PATH) AT CL

DRWY 2178+90 LT.
30.5' WIDE PAVED APPROACH (8")
GRADE = +1.0% (ADA PATH) AT CL

DRWY 2180+76 LT.
14.5' WIDE PAVED APPROACH (8") / GRADE = +1.5% (5.5 ADA PATH) / +4.3% AT CL

EX 10'W ESMT PB 35, PG 92

EX 5'W ESMT PB 35, PG 92

10'W WALKWAY VACATED

EXIST. R/W

PT STA 2177+58.70

2178+00

2179+00

2180+00

2181+00

CONST. ℄ RTE 366

POT STA 5+00.00

N 78° 10' 43" E

STA. 2179+22.67
50.00' RT.
L = 28.00'
S 78° 10' 43" W

L = 20.42'
N 78° 10' 43" E

L = 20.00'
S 78° 10' 43" W

STA. 2179+50.67
50.00' RT.
L = 8.00'
N 78° 10' 43" E

STA. 2180+18.84
50.00' RT.

L = 6.00'
N 78° 10' 43" E

STA. 2180+24.84
50.00' RT.

L = 22.00'
N 78° 10' 43" E
STA. 2179+72.67
50.00' RT.

L = 8.00'
N 11° 49' 17" W
STA. 2180+24.84
58.00' RT.

L = 2.00'
N 11° 49' 17" W
STA. 2180+24.84
60.00' RT.

P.H.E.

T.C.E.

STA. 2179+02.24
50.00' RT.
L = 10.00'
N 11° 49' 17" W
STA. 2179+02.24
60.00' RT.

L = 11.31'
S 56° 49' 17" E
STA. 2179+30.67
58.00' RT.

L = 70.42'
N 78° 10' 43" E

STA. 2179+50.67
58.00' RT.
L = 10.00'
N 11° 49' 17" W
STA. 2179+72.67
60.00' RT.

L = 57.18'
N 78° 10' 43" E

L = 46.18'
S 78° 10' 43" W

L = 8.00'
N 11° 49' 17" W
STA. 2180+18.84
58.00' RT.
L = 6.00'
S 78° 10' 43" W

84
25L640631
51 HEATHER DR
N/F
HEATHER DRIVE PROPERTIES, LLC
DB 14059, PG 2102
192 SF P.H.E.
512 SF T.C.E.
65340 SF ORIGINAL
65340 SF REMAINING

10'W SW BELL TELEPHONE CO ESMT BK 3286, PG 292

EX 10W, MSD ESMT BK 20589, PG 1391

EX 10W, MSD ESMT BK 20589, PG 1398

85
25L640563
8700 WATSON RD
N/F
UNION ELECTRIC COMPANY
DB 3239, PG 87
48 SF P.H.E.
474 SF T.C.E.
12509 SF ORIGINAL
12509 SF REMAINING

EXIST. R/W

Blackthorn Rd. SB
2180+62 RT.
21.5' WIDE 8.5" PCC PAVEMENT
GRADE = +1.3% (ADA PATH) AT CL

Blackthorn Rd. NB
2181+03 RT.
20' WIDE 8.5" PCC PAVEMENT
GRADE = +1.5% (6.5' ADA PATH) / -1.0% AT CL

℄ BLACKHORN RD.

POT STA 7+0

ROW SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

SHEET 41 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	119

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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REV.

SCALE
0 20 40 60

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED 8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	120

COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ENGINEERING CORPORATION - 000631
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REV.

MATCHLINE STA. 2181+25

25L640604
8641 WATSON RD
N/F
MAHER ENTERPRISE, LLC
DB 19295, PG 1771
NO ACQUISITION

25L640705
8631 WATSON RD
N/F
HILL, JAMES R & KATHLEEN H/W
DB 17290, PG 3887
NO ACQUISITION

25L640288
8627 WATSON RD
N/F
CAMPIERI, TANINA, TRUSTEE
DB 18099, PG 1063
NO ACQUISITION

25K430387
8623 WATSON RD
N/F
MATHIS FAMILY LIMITED PARTNERSHIP
DB 10130, PG 1320
NO ACQUISITION

25K430398
8609 WATSON RD
N/F
MATHES FAMILY LIMITED PARTNERSHIP
DB 10130, PG 1323
NO ACQUISITION

SEC 08 T44N, R06E

DRWY
2181+78 LT.
42.5' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) / +8.0% AT CL

DRWY
2182+48 LT.
56.5' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) / +3.5% AT CL

DRWY
2183+35 LT.
24' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) / +3.6% AT CL

DRWY
2183+99 LT.
34' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) / +8.7% AT CL

2185

EXIST. R/W

CITY LIMITS WEBSTER GROVES
CITY LIMITS CRESTWOOD

CONST. ℄ RTE 366

2182+00 2183+00 2184+00 2185+00

N 78° 10' 43" E

MATCHLINE STA. 2185+75

EXIST. R/W

DRWY
2181+65 RT.
41' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) / +9.0% AT CL

DRWY
2182+69 RT.
53' WIDE PAVED APPROACH (8")
GRADE = +0.7% (8.5' ADA PATH) AT CL

DRWY
2183+59 RT.
51.5' WIDE PAVED APPROACH (8")
GRADE = -1.5% (6' ADA PATH) / -4.7% AT CL

DRWY
2185+12 RT.
NO IMPROVEMENTS

EX 10'W ESMT PB 42, PG 8

25L640815
8654 WATSON RD
N/F
KING EDWARDS CHICKEN & FISH
DB 21644, PG 2439
NO ACQUISITION

25L640772
8650 WATSON RD A
25L640761
8650 WATSON RD
N/F
ARADO HOLDINGS, LLC &
M T SCHIELE AUTO REPAIR, LLC
DB 19028, PG 2296
NO ACQUISITION

25K430871
8600 WATSON RD
N/F
SPIRIT ENERGY, LLC
DB 14390, PG 1541
NO ACQUISITION

SEC 08 T44N, R06E

ROW SHEET LEGEND
- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

SHEET 42 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

SCALE
0 20 40 60

ROW SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

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MATCHLINE STA. 2185+75

MATCHLINE STA. 2190+25

POT STA 3+00.00

℄ ELM AVE.

SEC 09 T44N, R06E

DRWY
2189+53 LT.
47' WIDE PAVED APPROACH (8")
GRADE = +1.5% (ADA PATH) AT CL

25K430833
8571 WATSON RD
N/F
WG DST 3
DB 21358, PG 2358
NO ACQUISITION

EXIST. R/W

EXIST. ESMT.

2190

CITY LIMITS CRESTWOOD
UNINCORPORATED

2186+00 2187+00 2188+00 2189+00 2190+00

CONST. ℄ RTE 366

N 78° 10' 43" E

POT STA 5+00.00

L = 58.89'
N 78° 10' 43" E

T.C.E.

STA. 2186+92.43
55.08' RT.
L = 5.12'
S 0° 44' 40" W
STA. 2186+93.54
50.00' RT.
L = 60.00'
S 78° 10' 43" W
STA. 2187+52.43
50.00' RT.
L = 5.00'
N 11° 49' 17" W
STA. 2187+52.43
55.00' RT.

APPROX EAST LINE FRACTIONAL SECTION 08
APPROX WEST LINE FRACTIONAL SECTION 09

PC STA 6+03.72

EXIST. R/W

86

25K430824
8570 WATSON RD
N/F
HOFFMAN, YVONNE ETAL
DB 20706, PG 189
297 SF T.C.E.
12116 SF ORIGINAL
12116 SF REMAINING

DRWY
2188+03 RT.
50' WIDE PAVED APPROACH (8")
GRADE = -1.5% (6' ADA PATH) /
+1.5% AT CL

DRWY
2188+64 RT.
29' WIDE PAVED APPROACH (8")
GRADE = +1.0% (6.5' ADA PATH) /
+6.9% AT CL

25K430552
8562 WATSON RD
N/F
A C WATSON, LLC
DB 16071, PG 2979
NO ACQUISITION

SEC 09 T44N, R06E

DRWY
2189+38 RT.
29' WIDE PAVED APPROACH (8")
GRADE = -1.5% (6' ADA PATH) /
+2.0% AT CL

DRWY
2189+90 RT.
29.5' WIDE PAVED APPROACH (8")
GRADE = -1.5% (6' ADA PATH) /
+2.1% AT CL

25K430541
8556 WATSON RD
N/F
BOCCARDI, JOSEPH S &
MARGARET H/W
DB 10730, PG 2219
NO ACQUISITION

25K431014
8514 TITCHFIELD CT
N/F
WATSON ELM PROPERTY, LLC
DB 23680, PG 474
NO ACQUISITION

SHEET 43 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	121

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

SCALE
0 20 40 60

ROW SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

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MATCHLINE STA. 2190+25

25K430842
8567 WATSON RD
N/F
SCANLON HOLDINGS LLC
DB 23846, PG 4777
NO ACQUISITION

DRWY
2191+29 LT.
44' WIDE PAVED APPROACH (8")
GRADE = +1.6% (ADA PATH)
AT CL

DRWY
2192+10 LT.
NO IMPROVEMENTS

DRWY
2193+71 LT.
NO IMPROVEMENTS

25K430431
8563 WATSON RD
N/F
NATIONAL RETAIL PROPERTIES LP
DB 22996, PG 634
NO ACQUISITION

2195

MATCHLINE STA. 2195+50

EXIST. R/W

2191+00 2192+00 CONST. ℄ RTE 366 2193+00 2194+00 2195+00

N 78° 10' 43" E

DRWY
2190+59 RT.
30' WIDE PAVED APPROACH (8")
GRADE = -1.5% (6' ADA PATH) /
+2.0% AT CL

DRWY
2191+20 RT.
27' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) /
+10.1% AT CL

DRWY
2192+27 RT.
NO IMPROVEMENTS

DRWY
2193+45 RT.
30' WIDE PAVED APPROACH (8")
GRADE = +1.2% (12' ADA PATH) AT CL

DRWY
2194+19 RT.
40.5' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) /
+9.8% AT CL

DRWY
2195+20 RT.
39.5' WIDE PAVED APPROACH
(8")
GRADE = +1.5% (6.5' ADA PATH)
+9.5% / +15.4% AT CL

T.C.E.
L = 8.19'
S 0° 39' 13" W
STA. 2194+92.61
58.00' RT.

STA. 2194+94.38
50.00' RT.

L = 106.89'
S 78° 10' 43" W

25K430343
8544 WATSON RD
N/F
MBR ERR CRESTWOOD, LLC
DB 21788, PG 1871
NO ACQUISITION

25K430354
8534 WATSON RD
N/F
H & H GREECE, LLC
DB 21668, PG 2209
NO ACQUISITION

25K430365
8520 WATSON RD
N/F
BELLBRIDGE HOLDINGS, LLC
DB 15056, PG 1387
NO ACQUISITION

89
SEE
NEXT
SHEET

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED 8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	122

COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

SCALE
0 20 40 60

25K430453
8537 WATSON RD
N/F
NULL GRIMAUD LLC
DB 15483, PG 970
NO ACQUISITION

25K440742
8523 WATSON RD
N/F
GAYAR, SALAH
DB 23644, PG 809
NO ACQUISITION

25K440672
8455 WATSON RD
N/F
HENZE, FRED A
DB 11379, PG 2429
NO ACQUISITION

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DRWY
2196+08 LT.
29' WIDE PAVED
APPROACH (8")
GRADE = +1.5%
(ADA PATH) AT CL

DRWY
2196+55 LT.
NO IMPROVEMENTS

DRWY
2198+28 LT.
57' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) /
+8.7% AT CL

DRWY
2199+27 LT.
53' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) /
+3.8% AT CL

2200

MATCHLINE STA. 2195+50

MATCHLINE STA. 2201+00

EXIST. R/W

CITY LIMITS CRESTWOOD

UNINCORPORATED

CITY LIMITS MARLBOROUGH

2196+00 2197+00 2198+00 2199+00 2200+00

CONST. ℄ RTE 366

S 78° 10' 43" W

POT STA 5+00.00

PC STA 5+50.00

STA. 2198+52.84
50.00' RT.
L = 5.12'
N 0° 39' 13" E
STA. 2198+51.73
55.00' RT.

L = 358.46'
S 78° 10' 43" W

T.C.E.

STA. 2195+99.50
55.00' RT.
STA. 2195+99.50
58.00' RT.

L = 3.00'
N 11° 49' 17" W

L = 252.23'
S 78° 10' 43" W

DRWY
2195+76 RT.
19' WIDE PAVED APPROACH (8")
GRADE = +1.8% (4.5' ADA PATH) /
+9.8% / +17.8% / +21.8% AT CL

DRWY
2197+69 RT.
NO IMPROVEMENTS

89

25K440751
8500 WATSON RD
N/F
RTO WATSON ROAD, LLC
DB 22562, PG 200

2112 SF T.C.E.
94072 SF ORIGINAL
94072 SF REMAINING

℄ GENERAL GRANT LN.

EXIST. R/W

PT STA 6+51.41

POT STA 7+39.22

EX 10' W ESMT PB 53, PG 6

25K440584
8407 GENERAL GRANT LN
N/F
BREIHAN FAMILY
LIMITED PARTNERSHIP
DB 11051, PG 484
NO ACQUISITION

90

25K440760
8400 WATSON RD
25K440632
8352 WATSON RD
N/F
GG CENTER LLC
DB 21826, PG 1403

SEE SHEET 125

ROW SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	123

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

SCALE
0 20 40 60

25K440683
1526 PINETREE LN
N/F
SCHNEIDER, ANGELA
DB 23394, PG 1642
NO ACQUISITION

25K440694
1523 LANVALE DR
N/F
GRAY, JAMES A & GINA M H/W
DB 13053, PG 1282
NO ACQUISITION

24K120021
224 KENORA CT
N/F
MORROW, SCOTT & JANET ETAL J/T
DB 25004, PG 3391
NO ACQUISITION

24K120010
230 KENORA CT
N/F
GRYDER, LARRY E & SANDRA E H/W
DB 9306, PG 1842
NO ACQUISITION

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MATCHLINE STA. 2201+00

MATCHLINE STA. 2206+50

POT STA 3+00.00

PC STA 4+13.51

2205

PT STA 4+48.98

POT STA 5+00.00

℄ E. OLD WATSON RD.

EXIST. R/W

2202+00 2203+00 2204+00 2205+00 2206+00

℄ CONST. RTE 366

S 78° 10' 43" W

DRWY
2203+52 RT.
NO IMPROVEMENTS

90
SEE NEXT SHEET

SEC 09 T44N, R06E

ROW SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

SHEET 46 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	124

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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REV.

SCALE
0 20 40 60

POT STA 3+00.00

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	125

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MATCHLINE STA. 2206+50

24K120032
234 KENORA CT
N/F
SUTTON, WILLIAM J
DB 17781, PG 3640
NO ACQUISITION

24K120043
240 KENORA CT
N/F
PLAMTHOTTATHIL, CHERIAN J
& KUNJUMOL J H'W
DB 19635, PG 78
NO ACQUISITION

24K120054
244 KENORA CT
N/F
WHITLEY, TAMBRA
TRUSTEE
DB 16807, PG 2401
NO ACQUISITION

91
24K121761
250 KENORA CT
N/F
MCGUIRE, HYACINTH
DB 22336, PG 2175
94 SF T.C.E.
11964 SF ORIGINAL
11964 SF REMAINING

EX 7.5'W ESMT PB 54, PG 33

℄ CHESHIRE LN.

24K210023
1462 RONALD DR
N/F
TOLSON JOHN & KEDRA H/W
DB 13392, PG 297
NO ACQUISITION

24K210034
1454 RONALD DR
N/F
ROSSOW, JANE M
DB 10777, PG 2138
NO ACQUISITION

EX 5'W ESMT PB 42, PG 2
EX 5'W ESMT PB 42, PG 2

2210

STA. 2208+90.79
53.00' LT.
L = 3.00'
N 11° 52' 33" W
T.C.E.
L = 3.00'
N 11° 49' 17" W
STA. 2208+90.79
50.00' LT.
L = 31.48'
N 78° 10' 43" E
STA. 2209+22.27
53.00' LT.
STA. 2209+22.27
50.00' LT.
L = 31.48'
S 78° 10' 43" W

EXIST. R/W

2207+00 2208+00 2209+00 2210+00 2211+00

PI STA 5+00.00

S 78° 10' 43" W
CONST. ℄ RTE 366
N 78° 7' 27" E

L = 26.94'
S 11° 52' 32" E
L = 10.00'
N 11° 52' 32" W
STA. 2209+27.32
50.00' RT.
L = 64.49'
S 78° 10' 43" W
L = 9.00'
N 78° 10' 43" E
L = 31.50'
S 11° 52' 32" E

STA. 2210+07.27
50.00' RT.
L = 119.20'
S 78° 7' 36" W
L = 5.00'
N 11° 52' 33" W
STA. 2211+26.47
50.00' RT.
STA. 2211+26.47
55.00' RT.

EXIST. R/W
T.C.E.
STA. 2208+62.83
50.00' RT.
L = 5.00'
S 11° 49' 17" E
STA. 2208+62.83
55.00' RT.
L = 48.41'
S 78° 10' 43" W
STA. 2209+11.24
55.00' RT.
STA. 2209+18.32
50.00' RT.
L = 15.70'
S 56° 49' 17" E
L = 13.46'
S 53° 50' 19" E
STA. 2209+22.34
66.10' RT.
L = 10.84'
S 11° 52' 33" E
STA. 2209+27.33
60.00' RT.
STA. 2209+22.35
76.94' RT.
L = 5.00'
N 78° 7' 27" E
STA. 2209+27.35
76.94' RT.

EXIST. R/W

STA. 2210+14.46
55.00' RT.
L = 112.01'
S 78° 7' 27" W
L = 26.50'
N 11° 52' 33" W

EXIST. R/W
STA. 2210+07.27
81.50' RT.
L = 7.19'
N 78° 7' 27" E
STA. 2210+14.46
81.50' RT.

EX 10'W ESMT PB 57, PG 47

DRWY
2206+93 RT.
NO IMPROVEMENTS

DRWY
2210+96 RT.
NO IMPROVEMENTS

DRWY
2211+40 RT.
20' WIDE PAVED APPROACH (8")
GRADE = +1.6% (10.5' ADA PATH)
AT CL

90
25K440760
8400 WATSON RD
25K440632
8352 WATSON RD
N/F
GG CENTER LLC
DB 21826, PG 1403
45 SF P.H.E.
449 SF T.C.E.
119354 SF ORIGINAL
119354 SF REMAINING

92
25K530960
7830 CHESHIRE LN
N/F
GG CENTER LLC
DB 21826, PG 1418
787 SF T.C.E.
32729 SF ORIGINAL
32729 SF REMAINING

MATCHLINE STA. 2212+00

POT STA 7+00.00

ROW SHEET LEGEND
- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

SHEET 47 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ENGINEERING CORPORATION - 000631

REV.

SCALE
0 20 40 60

24K210045
1450 RONALD DR
N/F
BESHEER, NOAH
DB 24530, PG 701
NO ACQUISITION

24K210056
1446 RONALD DR
N/F
TOBIN, DAVID L &
PATRICIA MUYCO H/W
DB 15357, PG 1611
NO ACQUISITION

24K210067
1444 RONALD DR
N/F
WALLS, CHARLES & ERICA H/W
DB 20347, PG 919
NO ACQUISITION

EX 5' W ESMT PB 42, PG 2

1 L = 10.00'
N 11° 52' 33" W
2 STA. 2217+42.86
60.00' LT.
3 STA. 2217+42.86
50.00' LT.
4 L = 17.22'
S 78° 7' 27" W

12' WIDE PAVED APPROACH (7")
GRADE = +5.0% / +1.5% (5' ADA PATH) / +10.5% / +14.1% AT CL

DRWY
2214+94 LT.

EX 5' W ESMT PB 42, PG 2

2215

SEC 09 T44N, R06E

96
24K210078
8275 WATSON RD
N/F
LUETHANS, TOD
N, TRUSTEE
DB 18644, PG 3255
25 SF T.C.E.
12374 SF ORIGINAL
12374 SF REMAINING

97
24K210089
8271 WATSON RD
N/F
HACKMANN, DONALD O
& DIANNE J H/W
DB 16677, PG 1512
108 SF T.C.E.
8000 SF ORIGINAL
8000 SF REMAINING
DRWY
2215+80 LT.
8.5' WIDE PAVED
APPROACH (7")
GRADE = +5.0% /
+1.5% (4' ADA PATH) /
+10.5% / +16.2% AT CL

98
24K210090
8265 WATSON RD
N/F
SCHILLER, THOMAS K
DB 25224, PG 1251
114 SF T.C.E.
8000 SF ORIGINAL
8000 SF REMAINING
DRWY
2216+30 LT.
8.5' WIDE PAVED
APPROACH (7")
GRADE = +5.4% /
+1.8% (4' ADA PATH)/
+13.5% / 25.5% /
+21.8% AT CL

100
24K210100
8261 WATSON RD
N/F
BUTCHER, JOSHUA E
& RENEE E H/W
DB 21386, PG 1364
129 SF T.C.E.
8000 SF ORIGINAL
8000 SF REMAINING
DRWY
2216+81 LT.
11' WIDE PAVED
APPROACH (7")
GRADE = +5.4% /
+1.5% (4' ADA PATH)/
+13.5% / 25.5% /
+17.7% AT CL

DRWY
2217+33 LT.
10' WIDE PAVED APPROACH (7")
GRADE = +6.0% /
+1.8% (4' ADA PATH) / +12.8% /
+22.9% AT CL

L = 13.54'
N 78° 7' 27" E
STA. 2215+75.64
58.00' LT.
L = 3.00'
S 11° 52' 33" E
STA. 2215+70.64
55.00' LT.
L = 5.00'
N 11° 52' 33" W

L = 5.00'
N 11° 52' 33" W
STA. 2215+89.18
58.00' LT.
L = 8.00'
N 11° 52' 33" W
STA. 2215+89.18
50.00' LT.

L = 14.29'
S 78° 7' 27" W
STA. 2216+39.93
58.00' LT.
L = 8.00'
S 11° 52' 33" E
STA. 2216+39.93
50.00' LT.

L = 16.14'
S 78° 7' 27" W
STA. 2216+91.78
58.00' LT.
L = 8.00'
N 11° 52' 33" W
STA. 2216+91.78
50.00' LT.

T.C.E.

EXIST. R/W

STA. 2212+00

2213+00
2214+00
CONST. ℄ RTE 366
2215+00

STA. 2217+50

STA. 2215+70.64
50.00' LT.
L = 5.00'
S 78° 7' 27" W
L = 5.00'
N 78° 7' 27" E
STA. 2215+75.64
55.00' LT.

STA. 2216+25.64
58.00' LT.
L = 8.00'
S 11° 52' 33" E
STA. 2216+25.64
50.00' LT.

STA. 2216+75.64
58.00' LT.
L = 8.00'
S 11° 52' 33" E
STA. 2216+75.64
50.00' LT.

STA. 2217+25.64
60.00' LT.
L = 10.00'
S 11° 52' 33" E
STA. 2217+25.64
50.00' LT.

L = 17.22'
N 78° 7' 27" E

L = 5.13'
N 0° 58' 19" E
STA. 2214+40.47
50.00' RT.
STA. 2214+39.33
55.00' RT.

N 78° 7' 27" E

STA. 2215+75.64
50.00' LT.
L = 18.54'
S 78° 7' 27" W

L = 14.29'
S 78° 7' 27" W

L = 5.13'
N 0° 58' 19" E
STA. 2216+40.47
50.00' RT.
STA. 2216+39.33
55.00' RT.

L = 16.14'
S 78° 7' 27" W

L = 5.13'
N 0° 58' 19" E
STA. 2217+40.47
50.00' RT.
STA. 2217+39.33
55.00' RT.

L = 200.00'
S 78° 7' 27" W

L = 100.00'
N 78° 7' 27" E

EXIST. R/W

T.C.E.

L = 200.00'
N 78° 7' 27" E

L = 100.00'
S 78° 7' 27" W

T.C.E.

DRWY
2213+35 RT.
NO IMPROVEMENTS

DRWY
2214+61 RT.
NO IMPROVEMENTS

DRWY
2215+14 RT.
31' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) /
+3.9% AT CL

DRWY
2215+82 RT.
31' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) /
+5.7% AT CL

DRWY
2216+66 RT.
NO IMPROVEMENTS

DRWY
2217+16 RT.
30.5' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) /
+5.8% AT CL

95
25K531169
8300 WATSON RD
N/F
PAMPER YOUR POOCH
PETWASH, LLC
DB 23792, PG 3986
1000 SF T.C.E.
23045 SF ORIGINAL
23045 SF REMAINING

99
25K531136
8254 WATSON RD
N/F
CYCOLONE INVESTMENTS, LLC
DB 17410, PG 96
500 SF T.C.E.
15128 SF ORIGINAL
15128 SF REMAINING

102
SEE
NEXT
SHEET

MATCHLINE STA. 2212+00

MATCHLINE STA. 2217+50

25K531026
25K531082
8330 WATSON RD
8312 WATSON RD
N/F
BREIHAN PROPERTIES LLC
DB 21702, PG 2187
NO ACQUISITION

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ROW SHEET LEGEND
- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

SHEET 48 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	126

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

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SCALE
0 20 40 60

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED 8/2/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 127
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION | DATE

MATCHLINE STA. 2217+50

POT STA 3+00.00

24K210122
8257 WATSON RD
N/F
HIMES, GEORGE N JR & PAMELA R
DB 7259, PG 1347
172 SF T.C.E.
8000 SF ORIGINAL
8000 SF REMAINING
101

℄ GIRARD DR.

24K210133
23 GIRARD DR
N/F
WOODS, LEAH
DB 24748, PG 406
NO ACQUISITION

24K210155
1 GIRARD DR
N/F
MYERS, AUSTIN & ROBINSON, TAYLOR T/E
DB 22294, PG 4204
NO ACQUISITION

GIRARD DR
2218+51 LT.
25' WIDE 9" PCC PAVEMENT
GRADE = +5.0% / +1.5% (5' ADA PATH) / +7.5% AT CL

103
24K210166
8241 WATSON RD
N/F
MANDZUKIC, SENIJA
DB 20834, PG 1070
164 SF T.C.E.
8000 SF ORIGINAL
8000 SF REMAINING

DRWY
2219+31 LT.
10.5' WIDE PAVED APPROACH (7")
GRADE = +5.4% / +1.5% (4' ADA PATH) / +13.5% / 25.5% / +21.8% AT CL

104
24K210188
8237 WATSON RD
N/F
VIGIL, FERNANDO & DEBRA T/E
DB 24309, PG 12
350 SF T.C.E.
8000 SF ORIGINAL
8000 SF REMAINING

DRWY
2219+83 LT.
10' WIDE PAVED APPROACH (7")
GRADE = +5.4% / +1.5% (4' ADA PATH) / +13.5% / 25.5% / +18.7% AT CL

℄ EDGAR RD.

105
24K210199
1449 EDGAR RD
N/F
MUNKEL, MARY JO
DB 19327, PG 4774
357 SF T.C.E.
10956 SF ORIGINAL
10956 SF REMAINING

POT STA 3+00.00

EDGAR RD.
2220+90 LT.
33' WIDE 9" PCC PAVEMENT
GRADE = +4.0% / +1.5% (5' ADA PATH) / +8.0% AT CL

106
24K220099
502 AMBERGATE DR
N/F
EKBATANI, CAROLYN A, TRUSTEE
DB 19125, PG 592
265 SF T.C.E.
12797 SF ORIGINAL
12797 SF REMAINING

24K220110
508 AMBERGATE DR
N/F
VASEL, CAROLYNN TRUST
DB 21221, PG 299
NO ACQUISITION

2220

L = 18.25'
S 78° 7' 27" W
STA. 2219+25.64
59.00' LT.
L = 9.00'
S 11° 52' 33" E
STA. 2219+25.64
50.00' LT.

L = 50.00'
S 78° 7' 27" W
STA. 2219+75.64
57.00' LT.

STA. 2220+77.48
57.00' LT.
STA. 2220+25.64
57.00' LT.
L = 51.84'
S 78° 7' 27" W

L = 29.46'
S 78° 7' 27" W
STA. 2221+98.43
59.00' LT.
L = 9.00'
S 11° 52' 33" E
STA. 2222+27.89
59.00' LT.
L = 9.00'
S 11° 52' 33" E

T.C.E.
EXIST. R/W
HX 3'W ESMT PB 45, PG 10

L = 18.25'
N 78° 7' 27" E
L = 9.00'
S 11° 52' 33" E
STA. 2219+43.89
50.00' LT.
STA. 2219+43.89
59.00' LT.
STA. 2219+75.64
59.00' LT.
L = 7.00'
S 11° 52' 33" E
L = 7.00'
S 11° 52' 33" E
STA. 2220+25.64
50.00' LT.
L = 50.00'
S 78° 7' 27" W
L = 7.18'
S 0° 57' 27" W
STA. 2220+75.89
50.00' LT.
L = 50.25'
N 78° 7' 27" E
STA. 2221+98.43
50.00' LT.
STA. 2222+27.89
50.00' LT.
L = 29.46'
S 78° 7' 27" W

2218+00 | 2219+00 | 2220+00 | 2221+00 | 2222+00

POT STA 5+00.00

5

N 78° 7' 27" E

CONST. ℄ RTE 366

POT STA 5+00.00

L = 181.46'
N 78° 7' 27" E
STA. 2218+83.86
55.00' RT.
L = 36.38'
S 80° 54' 52" E
STA. 2219+17.82
68.01' RT.
L = 18.47'
N 0° 57' 41" E
STA. 2219+21.93
50.00' RT.

EXIST. R/W
T.C.E.
L = 144.53'
S 78° 7' 27" W

DRWY
2217+75 RT.
30' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) / +4.9% AT CL

DRWY
2218+59 RT.
44' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) / +5.0% AT CL

DRWY
2221+14 RT.
25.5' WIDE PAVED APPROACH (8")
GRADE = -1.5% (6' ADA PATH) / -8.1% AT CL

DRWY
2221+80 RT.
35' WIDE PAVED APPROACH (8")
GRADE = +0.8% (ADA PATH) AT CL

102
25K531147
8250 WATSON RD
N/F
THE SOUTHLAND CORPORATION
DB 7942, PG 630
1148 SF T.C.E.
36860 SF ORIGINAL
36860 SF REMAINING

24K210012
8230 WATSON RD
N/F
BRADRICK SCINTILLATION LLC
DB 20226, PG 3238
NO ACQUISITION

24K220918
8212 WATSON RD
N/F
NAJJAR CAR CARE IV, INC
DB 16086, PG 2606
NO ACQUISITION

MATCHLINE STA. 2223+00

ROW SHEET LEGEND
- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

SHEET 49 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
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REV.

SCALE
0 20 40 60

ROW SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED 8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	128

COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION | DATE | REV.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

MATCHLINE STA. 2223+00

MATCHLINE STA. 2228+50

SEC 09 T44N, R06E

24K220121
514 AMBERGATE DR
N/F
SMITH, BRANDON ETAL
DB 23118, PG 1712
NO ACQUISITION

24K220132
522 AMBERGATE DR
N/F
BRCIC, ADAM M & JENNIFER C T/E
DB 24574, PG 3019
NO ACQUISITION

24K220143
526 AMBERGATE DR
N/F
SCHAEFER, ZACHARY & ELIZABETH H/W
DB 21746, PG 3332
NO ACQUISITION

2225

24K220154
532 AMBERGATE DR
N/F
BALDI, NICHOLAS C
DB 12698, PG 2368
NO ACQUISITION

24K220165
540 AMBERGATE DR
N/F
MCDONALD, LUKE W & LAURA C T/E
DB 22142, PG 65
NO ACQUISITION

24K220176
546 AMBERGATE DR
N/F
BAUM, CRAIG
DB 22262, PG 784
NO ACQUISITION

24K220187
552 AMBERGATE DR
N/F
LEHNBEUTER, KEVIN R SHANNON A, TRUST
DB 23580, PG 3076
NO ACQUISITION

EXIST. R/W

2224+00 2225+00 2226+00 2227+00 2228+00

CONST. ℄ RTE 366

S 78° 7' 27" W

L = 100.07'
N 78° 7' 27" E

STA. 2223+38.12
60.00' RT.
L = 10.26'
N 0° 56' 27" E
STA. 2223+40.40
50.00' RT.

STA. 2224+38.19
60.00' RT.
L = 10.26'
N 0° 56' 27" E
STA. 2224+40.46
50.00' RT.

L = 6.80'
S 78° 7' 27" W

DRWY
2223+63 RT.
18.5' WIDE PAVED APPROACH (8") GRADE = -1.3% (8' ADA PATH) AT CL

DRWY
2224+11 RT.
20.5' WIDE PAVED APPROACH (8") GRADE = -1.5% (ADA PATH) AT CL

L = 100.07'
N 78° 7' 27" E
T.C.E.

L = 9.08'
S 78° 7' 27" W

STA. 2224+47.27
60.00' RT.
L = 10.00'
N 11° 52' 33" W
STA. 2224+47.27
50.00' RT.

DRWY
2224+56 RT.
24' WIDE PAVED APPROACH (8") GRADE = -6.0% / -1.5% (5' ADA PATH) / -6.7% AT CL

DRWY
2225+18 RT.
25' WIDE PAVED APPROACH (8") GRADE = -0.6% (9.5' ADA PATH) AT CL

DRWY
2227+05 RT.
NO IMPROVEMENTS

DRWY
2227+88 RT.
38.5' WIDE PAVED APPROACH (8") GRADE = -2.2% / -1.5% (5' ADA PATH) AT CL

107
24K220033
8208 WATSON RD
N/F
LA CASA GRANDE LLC
DB 21956, PG 2550
1001 SF T.C.E.
30511 SF ORIGINAL
30511 SF REMAINING

108
24K220044
8200 WATSON RD
N/F
CHAMBERLAIN PARKDALE LLC
DB 13523, PG 2150
79 SF T.C.E.
32713 SF ORIGINAL
32713 SF REMAINING

24K220909
8111 GRANT COLONIAL DR
N/F
MIMG CXXVII GENERAL GRANT SUB LLC
DB 22956, PG 2001
NO ACQUISITION

24K220077
8100 WATSON RD
N/F
MIMG CXXVII GENERAL GRANT SUB, LLC
DB 22956, PG 2008
NO ACQUISITION

SHEET 50 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

SCALE
0 20 40 60

24K220198
556 AMBERGATE DR
N/F
COLEMAN, GEORGE & GLORIA H/W
DB 7991, PG 54
NO ACQUISITION

24K220202
562 AMBERGATE DR
N/F
NASH, HEATHER
DB 22220, PG 2557
NO ACQUISITION

24K220211
568 AMBERGATE DR
N/F
HARGROVE, GARY J
DB 22016, PG 1236
NO ACQUISITION

℄ CULVERHILL DR.

2230

PC STA 3+

24' WIDE 8.5" PCC PAVEMENT
GRADE = -2.0% / +3.0% / +1.5% 16' ADA / +4.1% AT ℄
Culverhill Dr.
2231+32 Lt.

EX 5'W UNION ELEC CO
ESMT DB 2924, PG 238

EX 10'W MSD ESMT
DB 17497, PG 4854

24K220927
8083 WATSON RD
N/F
8083 WATSON LLC
DB 17916, PG 5065
NO ACQUISITION

24K220936
8083 WATSON RD
N/F
8083 WATSON LLC
DB 17916, PG 5065
NO ACQUISITION

DRWY
2231+94 LT.
48' WIDE PAVED APPROACH (8")
GRADE = -1.8% (ADA PATH) AT CL

EX ESMT TO MSD DB 17340, PG 4791

DRWY
2233+00 LT.
43' WIDE PAVED
APPROACH (8")
GRADE = -1.0%
(ADA PATH)
AT CL

PT STA 4+20.00

EX 3'W ESMT PB 45, PG 10
EXIST. R/W

EXIST. R/W

MATCHLINE STA. 2228+50

MATCHLINE STA. 2233+50

2229+00 2230+00 2231+00 2232+00 2233+00

℄ CONST. ℄ RTE 366

S 78° 7' 27" W

POT STA 5+00.00 LT

STA. 2231+91.13
50.00' RT.
STA. 2231+91.13
55.00' RT.

L = 225.00'
S 78° 7' 27" W

EXIST. R/W

EXIST. R/W

T.C.E.

L = 160.00'
N 78° 7' 27" E

DRWY
2229+01 RT.
41' WIDE PAVED APPROACH (8")
GRADE = -3.0% /
+1.5% (5' ADA PATH) AT CL

DRWY
2229+88 RT.
36.5' WIDE PAVED APPROACH (8")
GRADE = +1.5% /
-1.5% (ADA PATH) AT CL

DRWY
2230+68 RT.
39.5' WIDE PAVED APPROACH (8")
GRADE = -1.0% (8' ADA PATH)

DRWY
2231+55 RT.
32' WIDE PAVED APPROACH (8")
GRADE = +0.7% /
-1.7% (6' ADA PATH) AT CL
L = 5.00'
N 11° 50' 48" W

DRWY
2232+22 RT.
30.5' WIDE PAVED APPROACH (8")
GRADE = +2.9% /
+1.5% (6' ADA PATH) AT CL

DRWY
2232+95 RT.
37' WIDE PAVED APPROACH (8")
GRADE = +4.0% / +1.5% (6' ADA PATH) /
+10.0% / +4.0% AT CL

24K220853
8088 WATSON RD
N/F
S & L, LLC
DB 12147, PG 1555
NO ACQUISITION

24K220088
8084 WATSON RD
N/F
WATSON ACQUISITION COMPANY, LLC
DB 14480, PG 1348
NO ACQUISITION

109
24K220101
8080 WATSON RD
N/F
BARTNETT MARK S TRUSTEE
DB 13635, PG 2773
1450 SF T.C.E.
26550 SF ORIGINAL
26550 SF REMAINING

ROW SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

SHEET 51 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

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CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	129

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

SCALE

0 20 40 60

MATCHLINE STA. 2233+50

MATCHLINE STA. 2237+25

EX 20' W ESMT TO MSD PB 45, PG 42

2235

DRWY
2235+34 LT.
48' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) /
+8.1% AT CL

SEC 09 T44N, R06E

111

24K310943
8065 WATSON RD
N/F
YORKSHIRE VILLAGE PROPERTIES, LLC
DB 17000, PG 941
SEE NEXT SHEET FOR ACQUISITIONS

EXIST. R/W

SIGN

2234+00 2235+00 2236+00 2237+00

CONST. ℄ RTE 366

S 78° 7' 27" W

L = 35.46'
S 78° 7' 27" W

EXIST. R/W

T.C.E.

STA. 2233+51.13
60.00' RT.
L = 5.00'
N 11° 50' 48" W
STA. 2233+51.13
55.00' RT.

L = 65.00'
S 78° 7' 27" W

STA. 2234+16.14
50.00' RT.
L = 10.00'
S 11° 50' 48" E
STA. 2234+16.13
60.00' RT.

L = 35.47'
S 78° 7' 27" W

STA. 2234+51.59
60.00' RT.
L = 10.00'
N 11° 52' 33" W
STA. 2234+51.59
50.00' RT.

DRWY
2234+37 RT.
16' WIDE PAVED APPROACH (8")
GRADE = +1.0% (ADA PATH) AT CL

DRWY
2233+92 RT.
37' WIDE PAVED APPROACH (8")
GRADE = +4.0% / +1.5% (6' ADA PATH) /
+7.5% AT CL

109
SEE
PREVIOUS
SHEET

110

24K310178
8050 WATSON RD
N/F
NETWORK FOR STRONG COMMUNITIES
DB 23841, PG 134
355 SF T.C.E.
23600 SF ORIGINAL
23600 SF REMAINING

EX 10'W LACLEDE GAS CO ESMT DB 6483, PG 1505

DRWY
2236+65 RT.
NO IMPROVEMENTS

112
SEE
NEXT
SHEET

SEC 09 T44N, R06E

24K310916
7301 FERNBROOK DR
N/F
MIMG CXXVII GENERAL GRANT
SUB LLC
DB 22956, PG 2001
NO ACQUISITION

ROW SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

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CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	130

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ENGINEERING CORPORATION - 000631

REV.

SHEET 52 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

SCALE

0 20 40 60

CURVE RTE366_15	
PI	2243+16.38
PC	2239+03.01
PT	2247+07.89
Δ	32° 11′ 20.0″ (LT)
D	3° 59′ 57.0″
L	804.89′
T	413.37′
R	1,432.69′

DRWY
2237+98 LT.
18′ WIDE PAVED APPROACH (8″)
GRADE = +1.5% (8′ ADA PATH) / +9.0% / +13.0% AT CL

DRWY
2239+14 LT.
17′ WIDE PAVED APPROACH (8″)
GRADE = +7.9% / +1.5% (5′ ADA PATH) +7.1% AT CL

EX 10′W MSD ESMT DB 18223, PG 2294

(111)

24K310943
24K310925
24K310934
8065 WATSON RD
8021 WATSON RD
1239 S LACLEDE STATION RD
N/F
YORKSHIRE VILLAGE PROPERTIES, LLC
DB 17000, PG 941
565 SF P.H.E.
2672 SF T.C.E.
~~428630 SF ORIGINAL~~
428630 SF REMAINING

STA. 2238+77.18
77.12′ LT.
STA. 2238+77.18
66.08′ LT.
L = 8.84′
N 63° 55′ 52″ E
STA. 2238+83.81
67.76′ LT.
L = 41.18′
N 71° 4′ 53″ W

L = 38.48′
S 53° 25′ 19″ W
L = 37.76′
N 54° 31′ 27″ E

STA. 2238+42.59
62.00′ LT.

L = 40.70′
N 78° 7′ 27″ E
STA. 2238+01.89
62.00′ LT.
L = 12.00′
N 11° 52′ 33″ W
STA. 2238+01.89
50.00′ LT.

T.C.E.
EXIST. R/W
CITY LIMITS CRESTWOOD
CITY LIMITS MARLBOROUGH

EX 10′W MSD ESMT PB 361, PG 264
L = 16.21′
S 71° 30′ 20″ E
EX 10′W MSD ESMT PB 361, PG 264
2240
R = 1376.69′
L = 216.77′
EX 20′W ST LOUIS COUNTY WATER CO ESMT DB 8316, PG
T.C.E.
EXIST. R/W

L = 60.79′
S 78° 7′ 27″ W
STA. 2239+12.95
56.00′ LT.
STA. 2239+06.74
50.00′ LT.
R = 1382.69′
L = 3.61′
STA. 2239+03.01
50.00′ LT.
R = 1382.69′
L = 223.70′

L = 40.33′
S 78° 7′ 27″ W
2238+00
STA. 2238+42.22
50.00′ LT.
L = 13.00′
S 54° 33′ 26″ E
STA. 2238+82.63
56.20′ LT.
2239+00
2239+03.01
CONST. ℄ RTE 366
2240+00

MATCHLINE STA. 2237+25

L = 28.72′
S 78° 7′ 27″ W
STA. 2238+15.20
50.00′ RT.
STA. 2238+43.92
50.00′ RT.
STA. 2239+67.15
50.00′ RT.
R = 1487.69′
L = 187.07′
R = 1482.69′
L = 196.26′
EXIST. R/W
EXIST. R/W
T.C.E.
L = 8.00′
N 11° 52′ 33″ W
L = 8.00′
N 11° 52′ 33″ W
PG 1902
STA. 2239+67.15
55.00′ RT.
L = 5.00′
N 14° 26′ 28″ W
STA. 2238+15.20
58.00′ RT.
L = 28.72′
N 78° 7′ 27″ E
STA. 2238+43.92
58.00′ RT.
EX 10′W MSD ESMT DB 16900, PG 1902
DRWY
2239+52 RT.
NO IMPROVEMENTS

MATCHLINE STA. 2241+00

(112)

24K310893
8000 WATSON RD
N/F
QUIK TRIP CORPORATION
DB 16822, PG 2654
~~417 SF P.H.E.~~
2992 SF T.C.E.
77379 SF ORIGINAL
77379 SF REMAINING

ROW SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	131

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ENGINEERING CORPORATION - 000631

REV.

SHEET 53 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

SCALE
0 20 40 60

CURVE RTE366_15	
PI	2243+16.38
PC	2239+03.01
PT	2247+07.89
Δ	32° 11′ 20.0″ (LT)
D	3° 59′ 57.0″
L	804.89′
T	413.37′
R	1,432.69′

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111
SEE PREVIOUS SHEET

℄ LACLEDE STATION RD.

CITY LIMITS CRESTWOOD
CITY LIMITS MARLBOROUGH

EX 6′W SIGNAL ESMT DB 15546, PG 1077
EX UNION ELEC CO DB 16205, PG 1147

EXIST. R/W

STA. 2242+63.75
15.76′ LT.
L = 26.32′
N 27° 20′ 33″ E
STA. 2242+41.63
60.00′ LT.
T.C.E.

L = 6.00′
S 82° 30′ 23″ E
STA. 2241+69.00
72.42′ LT.
L = 5.82′
S 07° 29′ 37″ W
STA. 2242+65.59
67.59′ LT.
L = 10.39′
R = 32.42′
STA. 2242+58.23
60.00′ LT.
L = 15.91′
R = 1372.69′

STA. 2241+38.53
56.00′ LT.
L = 6.00′
N 21° 17′ 41″ W
STA. 2241+38.53
50.00′ LT.

MATCHLINE STA. 2241+00

2242+00
2243+00
2244+00
2245+00

POT STA 5+00.00

CONST. ℄ RTE 366

R = 75.00′
L = 19.76′

STA. 2243+36.97
50.00′ RT.
STA. 2243+36.97
56.00′ RT.
R = 1482.69′
L = 73.77′
R = 1488.69′
L = 74.08′

STA. 2243+18.13
52.72′ RT.
L = 9.93′
S 7° 26′ 31″ W
STA. 2243+12.23
61.23′ RT.

STA. 2244+07.51
50.00′ RT.
L = 6.00′
N 32° 5′ 31″ W
STA. 2244+07.51
56.00′ RT.

R = 1482.69′
L = 83.99′
STA. 2245+33.40
50.00′ RT.
L = 3.00′
S 36° 26′ 35″ E
STA. 2245+33.37
53.00′ RT.

T.C.E.

R = 69.00′
L = 25.24′

SIGNAL ESMT
15254/2312 STL CO

ST CO SIGNAL ESMT
DB 15254, PG 2312

116
24K310741
7945 WATSON RD
N/F
MARK ADOLPHUS FAMILY TRUST
DB 14857, PG 1667
578 SF T.C.E.
24525 SF ORIGINAL
24525 SF REMAINING

2245

EX 5′W ESMT PB 28, PG 44
EX 5′W ESMT PB 28, PG 44
EX 5′W ESMT PB 28, PG 44

STA. 2244+77.75
50.00′ LT.
L = 127.09′
N 52° 29′ 58″ E
L = 22.77′
N 65° 14′ 18″ E
STA. 2245+14.65
53.27′ LT.
R = 1382.69′
L = 162.85′
STA. 2244+91.41
57.66′ LT.
L = 28.00′
S 43° 33′ 11″ W
STA. 2244+62.89
52.02′ LT.
R = 49.45′
L = 14.50′

MATCHLINE STA. 2245+75

112
SEE PREVIOUS SHEET

MATCHLINE STA. 6+25

STA. 2241+47.30
55.00′ RT.
L = 43.81′
S 75° 04′ 08″ E
STA. 2241+56.79
50.00′ RT.
L = 31.77′
N 80° 04′ 58″ E
STA. 2241+86.67
56.99′ RT.
STA. 2241+90.16
50.00′ RT.
L = 19.86′
N 54° 5′ 18″ W
L = 33.42′
N 23° 05′ 03″ W
R = 1482.69′
L = 31.51′
STA. 2241+99.86
61.11′ RT.
L = 27.16′
N 7° 29′ 37″ E

115
24K310815
7960 WATSON RD
N/F
KINGS COURT
PARTNERSHIP L P
DB 10572, PG 512
577 SF T.C.E.
19883 SF ORIGINAL
19883 SF REMAINING

DRWY
2243+51 RT.
33′ WIDE PAVED APPROACH (8″)
GRADE = +1.5% (8.5′ ADA PATH)
+6.5% AT CL

DRWY
2243+92 RT.
19.5′ WIDE PAVED APPROACH (8″)
GRADE = +1.0% (8.5′ ADA PATH)
-3.3% AT CL

EX 5′W ESMT PB 28, PG 44

DRWY
2244+73 RT.
83′ WIDE PAVED
APPROACH (8″)
GRADE = +1.1% (8.5′ ADA PATH)
AT CL

DRWY
2245+66 RT.
36′ WIDE PAVED
APPROACH (8″)
GRADE = +4.0% /
+1.5% (5′ ADA PATH)
+9.6% AT CL

117
SEE
NEXT
SHEET

US SURVEY 1953

24K310354
7950 WATSON RD
N/F
TURNER, JOSEPH GEORGE
DB 22724, PG 1251
NO ACQUISITION

ROW SHEET LEGEND
- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

SHEET 54 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	132

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
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CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

SCALE
0 20 40 60

MATCHLINE STA. 6+25

℄ HEEGE RD.

EXIST. R/W

(114)
24K310794
8000 S LACLEDE STATION RD
N/F
RESTAURANTS UNLIMITED INC
DB 19894, PG 5296
111 SF P.H.E.
168 SF T.C.E.
19210 SF ORIGINAL
19210 SF REMAINING

STA. 2242+39.83
214.31' RT.
STA. 2242+33.72
211.32' RT.
L = 27.45'
S 37° 18' 25" W
L = 19.56'
S 33° 29' 26" W
R = 23.82'
L = 24.59'
STA. 2242+19.26
221.60' RT.
L = 7.03'
N 82° 30' 23" W
STA. 2242+14.08
217.88' RT.
STA. 2242+18.78
227.10' RT.
L = 10.00'
S 82° 30' 23" E
STA. 2242+11.44
221.83' RT.

R = 23.82'
L = 7.66'

R = 23.82'
L = 5.00'

EXIST. R/W

DRWY
6+85 RT (LACLEDE STATION)
5' WIDE PAVED APPROACH (8")
RADE = +1.5% (7' ADA PATH) /
+4.5% AT CL

POT STA 5+00.00

EX 10'W STATE OF MO ESMT
BK 8466, PG 142

EX 10'W STATE OF MO ESMT
BK 8466, PG 142

L = 105.58'
S 7° 29' 37" W

EXIST. R/W

STA. 2241+38.75
182.09' RT.
L = 10.00'
S 82° 20' 23" E
STA. 2241+30.95
177.29' RT.

L = 110.00'
S 7° 29' 37" W

STA. 2241+86.60
90.41' RT.
STA. 2241+80.60
81.52' RT.

EXIST. R/W

EX 10'W MSD ESMT DB 16900, PG 1906

(112)
SEE SHEET 131

APPROX WEST LINE FRACTIONAL SECTION 10
APPROX EAST LINE FRACTIONAL SECTION 09

10

POT STA 11+00.00

APPROX WEST LINE US SURVEY 1953
APPROX EAST LINE FRACTIONAL SECTION 10

ROW SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	133

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
CRAWFORD, MURPHY & TILLY, INC.
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ST. LOUIS, MO 63102 (314) 436-5500
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REV.

SHEET 55 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

SCALE
0 20 40 60

24K310824
1300 S LACLEDE STATION RD
N/F
SINAK PILUMBING
DB 7211, PG 628
NO ACQUISITION

24K310750
7917 WATSON RD
N/F
HEK STUDIO PROPERTY LLC
DB 23316, PG 1969
NO ACQUISITION

119
VOID
24K310695
7901 WATSON RD
N/F
MCDONALDS REAL ESTATE COMPANY
DB 18297, PG 2481
NO ACQUISITION

24K310761
7921 WATSON RD
N/F
RALL, DWAYNE E &
CHRISTINE M H/W
DB 10137, PG 1176
NO ACQUISITION

24K341440
7899 WATSON RD
N/F
7899 WATSON INC
DB 24358, PG 588
NO ACQUISITION

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
09/06/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED 9/5/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	134

COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION | DATE | REV.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

SEE PREVIOUS SHEET
116
DRWY 2246+07 LT.
30' WIDE PAVED APPROACH (8")
GRADE=+1.5% (6' ADA PATH)/ +5.9% AT CL
EX 5' W ESMT PB 28, PG 44
MSD 7.5' W ESMT PB 356, PG 2357
DRWY 2246+85 LT.
34' WIDE PAVED APPROACH (8") / GRADE = +1.5% (6.5' ADA PATH) / +7.0% AT CL
DRWY 2247+29 LT.
22' WIDE PAVED APPROACH (8") / GRADE = +1.5% (6.5' ADA PATH) / +8.4% AT CL
DRWY 2247+74 LT.
38' WIDE PAVED APPROACH (8") / GRADE = +1.5% (6.5' ADA PATH) / +9.5% / 13.3% AT CL
PEMBROKE DR. 2249+78 LT.
30' WIDE 8.5" PCC PAVEMENT GRADE = +2.9% / +1.5% (5' ADA PATH) AT CL
EXIST. R/W
DRWY 2250+63 LT.
45.5' WIDE PAVED APPROACH (8") / GRADE = +4.0% / +1.5% (6' ADA PATH) / +7.4% AT CL
US SURVEY 1953
PT STA 4+30.00
T.C.E.
STA. 2246+46.49
50.00' LT.
EXIST. R/W
EXIST. R/W
MATCHLINE STA. 2245+75
MATCHLINE STA. 2251+00
2246+00
PT STA 2247+07.99
2247+00
2248+00
2249+00
2250+00
CONST. ℄ RTE 366
POT STA 5+00.00
POT STA 5+00.00
N 45° 56' 7" E
STA. 2247+23.31
50.00' RT.
L = 13.00'
N 45° 56' 7" E
R = 20.00'
L = 12.87'
R = 20.00'
L = 15.91'
STA. 2250+23.81
50.00' RT.
L = 64.50'
N 45° 56' 7" E
EXIST. R/W
T.C.E.
R = 1485.69'
L = 84.19'
STA. 2246+14.56
53.00' RT.
L = 3.00'
S 40° 18' 5" E
STA. 2246+14.56
50.00' RT.
EXIST. R/W
℄ MARTYS DR.
STA. 2247+11.31
54.00' RT.
L = 25.00
S 45° 56' 7" W
STA. 2247+36.31
54.00' RT.
L = 4.00'
S 44° 3' 52.67" E
STA. 2247+36.31
50.00' RT.
DRWY 2247+38 RT.
32.5' WIDE PAVED APPROACH (8") GRADE = +1.2% (ADA PATH) AT CL
EXIST. R/W
EXIST. R/W
STA. 2250+09.53
56.00' RT.
L = 78.78'
S 45° 56' 7" W
STA. 2250+88.31
50.00' RT.
L = 6.00'
N 44° 3' 53" W
STA. 2250+88.31
56.00' RT.
DRWY 2250+44 RT.
34.5' WIDE PAVED APPROACH (8") GRADE = +4.0% / +1.5% (5' ADA PATH) / +7.6% AT CL
EXIST. R/W
117
24K310376
7940 WATSON RD
N/F
KUHN PROPERTIES INC
DB 17272, PG 4687
252 SF T.C.E.
17527 SF ORIGINAL
17527 SF REMAINING
118
24K320742
7918 WATSON RD
N/F
PARDESHI HOTELS LLC
DB 23292, PG 710
85 SF T.C.E.
15539 SF ORIGINAL
15539 SF REMAINING
DRWY 2248+52 RT.
30' WIDE PAVED APPROACH (8") / GRADE = +1.5% (8.5' ADA PATH) / +7.3% AT CL
24K320852
7900 WATSON RD
N/F
NHI TRANG
DB 8336, PG 2280
NO ACQUISITION
℄ PEMBROKE DR.
DRWY 2249+12 RT.
30' WIDE PAVED APPROACH (8") / GRADE = +1.5% (8.5' ADA PATH) / +8.1% AT CL
EXIST. R/W
120
24K321640
7894 WATSON RD
N/F
DUPLEX MOTEL, INC
DB 10277, PG 2095
446 SF T.C.E.
31078 SF ORIGINAL
31078 SF REMAINING
POT STA 6+75.00

ROW SHEET LEGEND
- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

SHEET 56 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

SCALE
0 20 40 60

24K341514
7823 WATSON RD
N/F
DIFRANCO, JOSEPH
DB 78905, PG 577
NO ACQUISITION

US SURVEY 1953

24K341505
7855 WATSON RD
24K341523
7895 WATSON RD
N/F
7895-7899 WATSON ROAD LLC
DB 23805, PG 123
NO ACQUISITION

24K340681
7815 WATSON RD
N/F
MREK LLC
DB 23900, PG 1160
NO ACQUISITION

24K340263
7809 WATSON RD
N/F
7809 WATSON ROAD LLC
DB 20782, PG 162
NO ACQUISITION

DRWY
2251+52 LT.
42' WIDE PAVED APPROACH (8")
GRADE = +1.5% (8.5' ADA PATH) / +9.5% / +11.2% AT CL

DRWY
2252+29 LT.
45' WIDE PAVED APPROACH (8")
GRADE = +1.5% (7.5' ADA PATH) / +9.6% AT CL

DRWY
2253+04 LT.
39.5' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6.5' ADA PATH) / +9.5% / +11.5% AT CL

DRWY
2254+18 LT.
29' WIDE PAVED APPROACH (8")
GRADE = +1.5% (8.5' ADA PATH) / +4.3% AT CL

DRWY
2255+09 LT.
29.5' WIDE PAVED APPROACH (8")
GRADE = +1.5% (8.5' ADA PATH) / +7.2% AT CL

WIMBLEDON DR.
2255+79 LT.
41' WIDE 8.5" PCC PAVEMENT
GRADE = +3.0% / +1.5% (5' ADA PATH) / +3.2% AT CL

EX 4' W ESMT PB 28, PG 44
EX 4' W ESMT PB 28, PG 44

EXIST. R/W

PT STA 4+29.92

PI STA 5+00.00

POT STA 5+00.00

℄ CONST. ℄ RTE 366

N 45° 56' 7" E

MATCHLINE STA. 2251+00

MATCHLINE STA. 2256+50

2252+00 2253+00 2254+00 2255+00 2256+00

DRWY
2252+17 RT.
49' WIDE PAVED APPROACH (8")
GRADE = +1.5% (8.5' ADA PATH) / 5.6% AT CL

DRWY
2253+41 RT.
24' WIDE PAVED APPROACH (8")
GRADE = +1.5% (8.5' ADA PATH) / +5.5% / +2.2% AT CL

DRWY
2254+02 RT.
19' WIDE PAVED APPROACH (8")
GRADE = +1.5% (8.5' ADA PATH) / +7.7% AT CL

DRWY
2254+45 RT.
24.5' WIDE PAVED APPROACH (8")
GRADE = +1.5% (ADA PATH) AT CL

DRWY
2255+23 RT.
24' WIDE PAVED APPROACH (8")
GRADE = +4.0% / +1.5% (5' ADA PATH) / +6.3% AT CL

120
SEE PREVIOUS SHEET

℄ ALDERSHOT DR.

Aldershot Dr.
2252+79 RT.
26.5' WIDE 8.5" PCC PAVEMENT
GRADE = -3.8% / +1.2% (9.5' ADA)

24K340131
7872 WATSON RD ℄ CROYDON DR.
N/F
SAINT LOUIS DENT CO LLC
DB 24972, PG 4038
NO ACQUISITION

24K340791
7880 WATSON RD
N/F
DESAI, JAYANTIBHAI M & JASVANTIBEN J H/W
DB 7448, PG 158
NO ACQUISITION

A 6+75.00

ROW SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

DISCLAIMER
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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	135

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

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SHEET 57 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

SCALE
0 20 40 60

ROW SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	136

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
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ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

24K341303
1150 OAK KNOLL MANOR CT
N/F
THOMPSON ,JAMES W & LOUISE L H/W
DB 16238, PG 1131
NO ACQUISITION

24K340441
7777 WATSON RD
N/F
SUNSET LANES INC
DB 6790, PG 99
NO ACQUISITION

24K341312
1144 OAK KNOLL MANOR CT
N/F
MARY E SYRON REVOCABLE TRUST
DB 23942, PG 78
NO ACQUISITION

EX 5'W ESMT PB 337, PG 50

24K341321
1138 OAK KNOLL MANOR CT
N/F
THE URBAN GEORGIA REVOCABLE TRUST
DB 22695, PG 155
NO ACQUISITION

2260

24K341330
1132 OAK KNOLL MANOR CT
N/F
OSLANCE, MICHAEL E ETAL
DB 17028, PG 1768
NO ACQUISITION

24K341341
1126 OAK KNOLL MANOR CT
N/F
MERKEL, VERNELL G ETAL
DB 11726, PG 2595
NO ACQUISITION

24K341352
1120 OAK KNOLL MANOR CT
N/F
ROBINSON, ANSTES J JR
DB 21142, PG 2142
NO ACQUISITION

24K341363
1112 OAK KNOLL MANOR CT
N/F
CHADHA, JANICE HAYS
DB 24984, PG 291
NO ACQUISITION

MATCHLINE STA. 2256+50

MATCHLINE STA. 2262+00

2257+00 2258+00 2259+00 2260+00 2261+00

CONST. ℄ RTE 366

S 45° 56' 7" W

L = 56.92'
N 45° 56' 7" E

L = 56.92'
S 45° 56' 7" W

STA. 2260+51.89
50.00' RT.
L = 15.00'
N 44° 3' 53" W

STA. 2260+51.89
65.00' RT.

STA. 2261+08.81
50.00' RT.
L = 15.00'
N 44° 3' 53" W

STA. 2261+08.81
65.00' RT.

L = 25.88'
N 45° 56' 7" E

L = 25.88'
N 45° 56' 7" E

EXIST. R/W

EXIST. ESM'T

EX 5'W ESMT PB 360, PG 261

T.C.E.

DRWY
2256+57 RT.
17' WIDE PAVED APPROACH (8")
GRADE = +1.5% (8.5' ADA PATH) /
+2.9% AT CL

DRWY
2257+48 RT.
30' WIDE PAVED APPROACH (8") /
GRADE = +1.5% (8.5' ADA PATH) /
+2.5% AT CL

DRWY
2257+84 LT.
48' WIDE PAVED APPROACH (8")
GRADE = +1.5% (7.5' ADA PATH) /
+9.5% / +11.9% AT CL

DRWY
2258+32 RT.
19' WIDE PAVED APPROACH (8")
GRADE = +0.5% (ADA PATH) AT CL

DRWY
2258+78 RT.
26' WIDE PAVED APPROACH (8")
GRADE = +1.4% (ADA PATH)
AT CL

DRWY
2259+43 RT.
21' WIDE PAVED APPROACH (8")
GRADE = +1.3% (ADA PATH) AT CL

DRWY
2260+79 RT.
34' WIDE PAVED APPROACH (8")
GRADE = +4.0% / +1.5% (5' ADA PATH) /
+10.0% / +12.4% AT CL

DRWY
2261+44 RT.
20' WIDE PAVED
APPROACH (8")
GRADE = +4.0% / +1.5% (5' ADA PATH) /
+10.5% / +20.9% AT CL

STA. 2261+31.81
50.00' RT.
L = 3.00'
N 44° 3' 53" W

STA. 2261+31.81
53.00' RT.

STA. 2261+57.70
53.00' RT.
L = 3.00'
N 44° 3' 53" W

STA. 2261+57.70
50.00' RT.

DRWY
2257+88 RT.
24.5' WIDE PAVED APPROACH (8")
GRADE = +1.5% (8.5' ADA PATH) /
+3.6% AT CL

US SURVEY 1953

24K340304
7840 WATSON RD
24K340735
7850 WATSON RD
N/F
MENETRE MANAGEMENT ENTERPRISE, LLC
DB 17839, PG 3805
NO ACQUISITION

24K340331
7836 WATSON RD
N/F
MIDTOWN COMMUNITY PROPERTIES, LLC
DB 22638, PG 39
NO ACQUISITION

US SURVEY 1953

24K341462
7830 WATSON RD
N/F
PJR, INC
DB 20172, PG 891
NO ACQUISITION

121

24K340872
7800 WATSON RD
N/F
WAYSIDE MOTEL, INCORPORATED
DB 12104, PG 54
854 SF T.C.E.
66028 SF ORIGINAL
66028 SF REMAINING

24K340762
7800 WATSON RD A
N/F
WAYSIDE MOTEL, INCORPORATED
DB 12104, PG 54
NO ACQUISITION

122
SEE NEXT SHEET

SHEET 58 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

SCALE
0 20 40 60

℄ OAK KNOLL MANOR DR.

24K341385
955 OAK KNOLL MANOR DR
N/F
AU JASON S & LA HOAN X H/W ETAL J/T
DB 14377, PG 1001
NO ACQUISITION

PC STA 3+44.94

24K340955
964 OAK KNOLL MANOR DR
N/F
FERGUSON, TERRY L & JOAN T/E
DB 23700, PG 3184
NO ACQUISITION

24K341572
7745 WATSON RD
N/F
PREMIER A-1 SHREWSBURY LLC
DB 24504, PG 4480
NO ACQUISITION

123
24K341396
963 OAK KNOLL MANOR DR
N/F
YANICS, MARTIN E ETAL
DB 22198, PG 432
256 SF T.C.E.
10438 SF ORIGINAL
10438 SF REMAINING

24K341374
1108 OAK KNOLL MANOR CT
N/F
OJILE, LOUIS J JR
DB 19487, PG 1944
NO ACQUISITION

EX 5' W ESMT PB 337, PG 50

EX 5' W ESMT PB

STA. 2263+85.92
91.20' LT.
L = 6.00'
S 27° 59' 26" W
STA. 2263+91.63
93.05' LT.

R = 125.00'
L = 39.15'
R = 119.00'
L = 37.27'

T.C.E.

STA. 2263+97.71
54.54' LT.

PT STA 4+45.46

24K341404
968 OAK KNOLL MANOR DR
N/F
OAK KNOLL MANOR, TRUSTEES
DB 10556, PG 92
NO ACQUISITION

2265

EXIST. ESM'T
EX 20'W ESMT PB 337, PG 50
EXIST. ESM'T
EX 10'W ESMT PB 337, PG 50

DRWY
2266+59 LT.
NO IMPROVEMENTS

EXIST. R/W

MSD# 24J4-035D
(UIP)

2267+04.06
PC STA

STA. 2263+91.71
54.54' LT.
STA. 2263+91.71
50.00' LT.
L = 6.00'
S 45° 56' 7" W

L = 4.54'
N 44° 3' 54" W
L = 4.54'
N 44° 3' 54" W

STA. 2263+97.71
50.00' LT.

2263+00
2264+00
2265+00
2266+00
2267+00

CONST. ℄ RTE 366

POT STA 5+00.00

S 45° 56' 7" W

L = 64.42'
S 45° 56' 7" W

L = 10.00'
N 45° 56' 7" E
L = 10.00'
S 45° 56' 7" W

MATCHLINE STA. 2262+00

MATCHLINE STA. 2267+50

EXIST. R/W

122
24K341451
7790 WATSON RD
N/F
MIKEN TECHNOLOGIES, INC
DB 20285, PG 2292
78 SF T.C.E.
21143 SF ORIGINAL
21143 SF REMAINING

124
24J130120
7748 WATSON RD
N/F
7748 WATSON ROAD, LLC
DB 13391, PG 901
60 SF T.C.E.
155945 SF ORIGINAL
155945 SF REMAINING

EX 5'W ESMT PB 28, PG 44
EX 5'W ESMT PB 28, PG 44

DRWY
2264+56 RT.
58' WIDE PAVED APPROACH (8")
GRADE = +1.5% (8.5' ADA PATH) /
+7.5% AT CL

US SURVEY 1953

125
24J130065
7750 WATSON RD
N/F
RISCHBIETER, JOANNE
DB 12663, PG 1403
367 SF T.C.E.
16479 SF ORIGINAL
16479 SF REMAINING

STA. 2265+33.06
50.00' RT.
L = 5.00'
N 44° 3' 53" W
STA. 2265+33.06
55.00' RT.

L = 77.65'
N 45° 56' 7" E

T.C.E.

STA. 2265+97.48
50.00' RT.
R = 20.00'
L = 14.45'
STA. 2266+10.71
55.00' RT.

DRWY
2265+69 RT.
38' WIDE PAVED APPROACH (8")
GRADE = +4.0% / +1.5% (5' ADA PATH) /
+10.5% / +16.4% AT CL

EX 10'W MSD ESMT DB 6543, PG 673

DRWY
2266+57 RT.
50' WIDE PAVED APPROACH (8")
GRADE = +4.0% / +1.5% (5' ADA PATH) /
+7.8% AT CL

STA. 2266+72.69
50.00' RT.
L = 6.00'
S 44° 3' 53" E
STA. 2266+72.69
56.00' RT.

STA. 2266+82.69
56.00' RT.
L = 6.00'
N 44° 3' 53" W
STA. 2266+82.69
50.00' RT.

DRWY
2267+23 RT.
31' WIDE PAVED APPROACH (8")
GRADE = +1.2% (ADA PATH) AT CL

UNKNOWN 5'W ESMT

126
SEE NEXT SHEET

SHEET 59 OF 73

ROW SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	137

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

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REV.

SCALE
0 20 40 60

CURVE RTE366_18	
PI	2270+85.66
PC	2267+04.06
PT	2274+65.49
Δ	9° 34′ 34.4″ (LT)
D	1° 15′ 27.6″
L	761.43′
T	381.61′
R	4,555.75′

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24K620136
7733 WATSON RD
N/F
PREMIER A-1 SHREWSBURY LLC
DB 24504, PG 4480
NO ACQUISITION

24J410158
7725 WATSON RD
N/F
RADEL, ROBERT A
DB 7400, PG 775
NO ACQUISITION

US SURVEY 1953

24J410169
7721 WATSON RD
N/F
PMD INVESTMENTS L L C
DB 15708, PG 1307
NO ACQUISITION

DRWY
2269+42 LT.
NO IMPROVEMENTS

DRWY
2271+11 LT.
NO IMPROVEMENTS

2270

MATCHLINE STA. 2267+50

MATCHLINE STA. 2272+00

2268+00 2269+00 2270+00 2271+00

CONST. ℄ RTE 366

EXIST. R/W

STA. 2270+09.17
50.00′ RT.
L = 6.27′
N 47° 54′ 7″ W
R = 4605.75′
L = 19.03′

R = 4605.75′
L = 30.71′

P.H.E.

STA. 2270+39.54
50.00′ RT.

L = 31.36′
N 30° 22′ 17″ E

DRWY
2271+38 RT.
15′ WIDE PAVED APPROACH (8″)
GRADE = −6.0% / −1.5% (6′ ADA PATH)
−13.8% AT CL

126
24J130054
7734 WATSON RD
N/F
H M BOGEMAN REALTY COMPANT, ETAL
DB 7679, PG 2200
96 SF P.H.E.
497 SF T.C.E.
25218 SF ORIGINAL
25218 SF REMAINING

EX 10′W LACLEDE GAS CO ESMT DB 6286, PG 1759

EX MSD ESMT PG 2117 DB 25410

EX 5′W LACLEDE GAS CO ESMT DB 6286, PG 1759

DRWY
2269+65 RT.
31′ WIDE PAVED APPROACH (8″)
GRADE = −1.5% (6′ ADA PATH)
−8.7% AT CL

STA. 2269+90.35
76.07′ RT.
L = 26.07′
S 47° 39′ 55″ E
STA. 2269+90.35
50.00′ RT.

STA. 2270+09.17
56.27′ RT.
L = 20.00′
N 47° 8′ 3″ W
STA. 2270+08.91
76.27′ RT.
L = 18.87′
S 42° 48′ 50″ W

127
VOID
24J410202
7710 WATSON RD
N/F
GANNETT OUTDOOR OF ST LOUIS
NO ACQUISITION

ROW SHEET LEGEND
- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

SHEET 60 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	138

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
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ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
REV.

SCALE
0 20 40 60

CURVE RTE366_18	
PI	2270+85.66
PC	2267+04.06
PT	2274+65.49
Δ	9° 34′ 34.4″ (LT)
D	1° 15′ 27.6″
L	761.43′
T	381.61′
R	4,555.75′

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24J410026
7715 WATSON RD
N/F
ST LOUIS-GEORGETOWN ASSOCIATES
DB 6199, PG 51
NO ACQUISITION

DRWY
2272+56 LT.
NO IMPROVEMENTS

24J410060
7521 RAVENSRIDGE RD
N/F
AB REALTY 1 LLC
DB 18431, PG 2559
NO ACQUISITION

2275

EXIST. R/W

EXIST. R/W

MATCHLINE STA. 2272+00

MATCHLINE STA. 2277+00

2273+00

CONST. ℄ RTE 366

2274+00

PT STA 2274+65.49

2275+00

2276+00

N 36° 21′ 33″ E

EXIST. R/W

EXIST. R/W

EXIST. ESM'T

127
SEE PREVIOUS SHEET

DRWY
2273+46 RT.
24.0′ WIDE PAVED APPROACH (8″)
GRADE = +4.0% /
+1.5% (5′ ADA PATH) / +8.7% AT CL

24J410246
7700 WATSON RD
N/F
DEALERS CLEARINGHOUSE L LC
DB 12979, PG 2204
NO ACQUISITION

24J410125
7698 WATSON RD
N/F
DEALERS CLEARINGHOUSE LLC
DB 12880, PG 1876
NO ACQUISITION

DRWY
2275+67 RT.
60.5′ WIDE PAVED APPROACH (8″)
GRADE = +1.3% (ADA PATH) AT CL

24J410235
7696 WATSON RD
N/F
DEALERS CLEARINGHOUSE LLC
DB 12960, PG 775
NO ACQUISITION

DRWY
2276+53 RT.
32′ WIDE PAVED APPROACH (8″)
GRADE = -1.5% (8′ ADA PATH) /
-9.6% AT CL

US SURVEY 1953

ROW SHEET LEGEND
- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

SHEET 61 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	139

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ENGINEERING CORPORATION - 000631

REV.

SCALE

0 20 40 60

ROW SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

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24J410170
7655 WATSON RD
N/F
OUR LADY OF LIFE APARTMENTS INC
DB 7348, PG 1512
NO ACQUISITION

2280

MATCHLINE STA. 2277+00

MATCHLINE STA. 2282+00

EXIST. R/W

EXIST. R/W

2278+00

2279+00

CONST. ℄ RTE 366

2280+00

2281+00

N 36° 21′ 33″ E

EXIST. R/W

EXIST. R/W

EX 10′W LACLEDE GAS ESMT MSHD PB 143, PG 25

24J410224
7666 WATSON RD
N/F
GROW AUTOMOTIVE LLC
DB 23258, PG 3007
NO ACQUISITION

DRWY
2277+55 RT.
40.5′ WIDE PAVED APPROACH (8″)
GRADE = -1.3% (ADA PATH) AT CL

DRWY
2278+26 RT.
38.5′ WIDE PAVED APPROACH (8″)
GRADE = +0.7% (ADA PATH) AT CL

DRWY
2278+86 RT.
30.5′ WIDE PAVED APPROACH (8″)
GRADE = 0.5% / -1.5% (5′ ADA PATH) / -3.5% AT CL

EX 5′W ESMT PB 143, PG 25

EX 5′W ESMT PB 143, PG 25

DRWY
2279+68 RT.
30′ WIDE PAVED APPROACH (8″)
GRADE = +1.0% / -1.5% (5′ ADA PATH) / -4.5% AT CL

US SURVEY 1953

24J410147
7646 WATSON RD
N/F
CICARDI PROPERTIES L L C
DB 17095, PG 1942
NO ACQUISITION

DRWY
2280+86 RT.
28′ WIDE PAVED APPROACH (8″)
GRADE = +1.5% (8.5′ ADA PATH) / +4.2% AT CL

EX 5′W ESMT PB 143, PG 25

EX 5′W ESMT PB 143, PG 25

EX 5′W UTILITY ESMT PB 143, PG 25

SHEET 62 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	140

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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REV.

SCALE
0 20 40 60

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US SURVEY FOOT

24J430622
7601 WATSON RD
N/F
MARY, QUEEN AND MOTHER ASSOCIATION
DB 7271, PG 2081
NO ACQUISITION

DRWY
2283+02 LT.
NO IMPROVEMENTS

2285

MATCHLINE STA. 2282+00

EXIST. R/W

EXIST. R/W

MATCHLINE STA. 2287+00

2283+00 2284+00 2285+00 2286+00

CONST. ℄ RTE 366

N 36° 21′ 33″ E

L = 15.00′
N 36° 21′ 33″ E

EXIST. R/W

EXIST. R/W

SLOPE ESMT MSHD DB 1143, PG 49

EX 10′W LACLEDE GAS ESMT MSHD PB 143, PG 25

STA. 2283+25.09
50.00′ RT.
L = 5.00′
S 53° 38′ 27″ W

STA. 2283+29.09
55.00′ RT.
L = 15.00′
S 36° 21′ 33″ W

STA. 2283+40.09
55.00′ RT.
L = 5.00′
N 53° 38′ 27″ W

STA. 2283+40.09
50.01′ RT.

128

24J440155
7594 WATSON RD
N/F
COURTLAND MANOR APARTMENTS LLC

75 SF T.C.E.
163001 SF ORIGINAL
163001 SF REMAINING

ROW SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

SHEET 63 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	141

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

SCALE
0 20 40 60

24J430622
7601 WATSON RD
N/F
MARY, QUEEN AND MOTHER ASSOCIATION
DB 7271, PG 2081
NO ACQUISITION

EX 15' W ESMT PB 209, PG 21

EX 40' W ESMT FOR KENRICK SEMINARY PB 362, PG 11

DRWY
2290+80 LT.
NO IMPROVEMENTS

2290

EXIST. R/W

EX 20' W ESMT PB 209, PG 21

EXIST. R/W

MATCHLINE STA. 2287+00

MATCHLINE STA. 2292+50

2288+00

2289+00

2290+00

2291+00

2292+00

CONST. ℄ RTE 366

S 36° 21' 33" W

EXIST. R/W

EXIST. R/W

EX MSD ESMT DB 6382, PG 1047

EX 5' W UTILITY ESMT PB 143, PG 25

DRWY
2287+76 RT.
57.5' WIDE PAVED APPROACH (8")
GRADE = +1.0% /
-1.4% (6.5' ADA PATH) AT CL

128

SEE PREVIOUS SHEET

24J440166
7500 WATSON RD
24J440078
7590 WATSON RD
N/F
C & E INVESTMENT PROPERTIES, INC
DB 18098, PG 1381
NO ACQUISITION

US SURVEY 1953

DRWY
2290+00 RT.
31' WIDE PAVED APPROACH (8")
GRADE = +1.5% /
-1.5% (5' ADA PATH) / -3.5% AT CL

DRWY
2290+50 RT.
30' WIDE PAVED APPROACH (8")
GRADE = -1.5% (8' ADA PATH) /
-5.6% AT CL

24J440111
7570 WATSON RD
N/F
WATSON ROAD PROPERTY LLC
DB 20600, PG 3081
NO ACQUISITION

DRWY
2292+15 RT.
29' WIDE PAVED APPROACH (8")
GRADE = -1.5% (6' ADA PATH) /
-6.4% AT CL

SHEET 64 OF 73

ROW SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	142

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

SCALE
0 20 40 60

24J440265
7505 WATSON RD
N/F
B-KENRICK PLAZA LLC
DB 22358, PG 4278
NO ACQUISITION

℄ KUDA CT.

EX 15'W ESMT PB 209, PG 21

EX ESMT PB 209, PG 21

EXIST. R/W

2295

PC STA 2295+22.18

POT STA 5+00.00

CONST. ℄ RTE 366

S 36° 21' 33" W

2293+00

2294+00

2295+00

2296+00

2297+00

MATCHLINE STA. 2292+50

MATCHLINE STA. 2297+50

129

23J121752
7437 WATSON RD
N/F
KENRICK DEVELOPERS LLC
DB 20827, PG 335
102 SF T.C.E.
530304 SF ORIGINAL
530304 SF REMAINING

EX 15'W ESMT PB 209, PG 21

EX 15'W ESMT PB 241, PG 24

EXIST. R/W

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CURVE RTE366_21	
PI	2300+18.69
PC	2295+22.18
PT	2304+69.01
Δ	42° 36' 30.2" (RT)
D	4° 30' 00.2"
L	946.84'
T	496.52'
R	1,273.22'

EXIST. R/W

DRWY
2294+51 RT.
NO IMPROVEMENTS

DRWY
2297+00 RT.
NO IMPROVEMENTS

DRWY
2292+84 RT.
29' WIDE PAVED APPROACH (8") /
GRADE = -1.5% (6' ADA PATH) /
-8.3% AT CL

24J440100
7530 WATSON RD
N/F
JPM, SR PROPERTIES. LLC
DB 22701, PG 779
NO ACQUISITION

24J440243
7400 WATSON RD
N/F
USI 66 COMPANY
DB 7864, PG 1626
NO ACQUISITION

US SURVEY 1953

ROW SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

SHEET 65 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	143

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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REV.

SCALE
0 20 40 60

24J440287
7445 WATSON RD
N/F
KENRICK DEVELOPERS L L C
DB 21238, PG 389
NO ACQUISITION

CURVE RTE366_21	
PI	2300+18.69
PC	2295+22.18
PT	2304+69.01
Δ	42° 36' 30.2" (RT)
D	4° 30' 00.2"
L	946.84'
T	496.52'
R	1,273.22'

129
SEE SHEET 143

DISCLAIMER
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MATCHLINE STA. 2297+50

2300

EX 20'W DERM SLOPE ESMT TO MO HWY AND TRANSP COMM PB 7329, PG 437

EXIST. R/W

EXIST. R/W

2298+00

2299+00

CONST. ℄ RTE 366

2300+00

2300+00

MATCHLINE STA. 2301+25

EXIST. R/W

EX 10'W LACLEDE GAS ESMT PB 285, PG 28

EXIST. R/W

EX MSD ESMT DB 6382, PG 1047

24J440243
7400 WATSON RD
N/F
USI 66 COMPANY
DB 7864, PG 1626
NO ACQUISITION

ROW SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED 8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	144

COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ST. LOUIS, MO 63102 (314) 436-5500
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REV.

SHEET 66 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

SCALE

0 20 40 60

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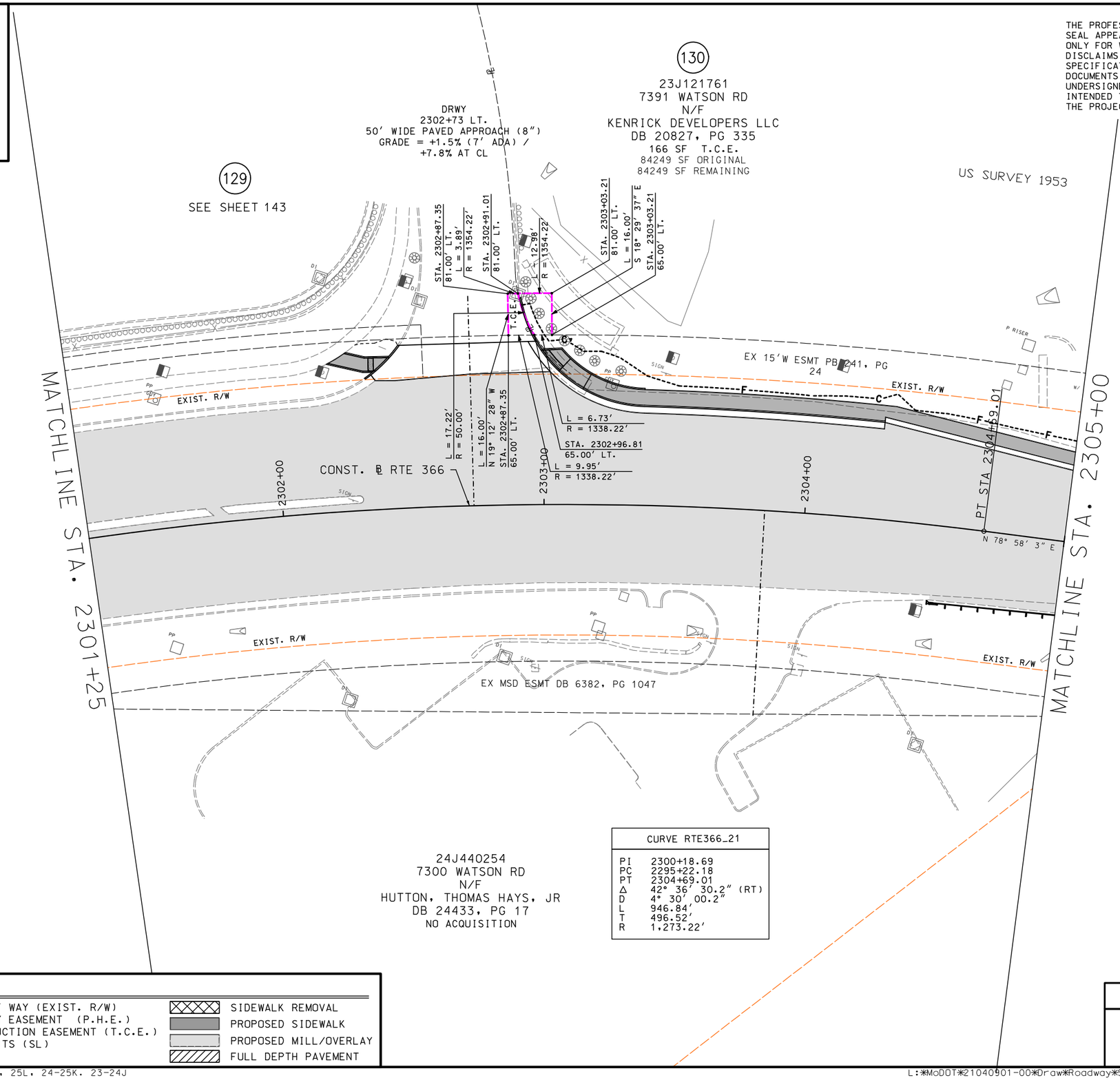

24J440254
7300 WATSON RD
N/F
HUTTON, THOMAS HAYS, JR
DB 24433, PG 17
NO ACQUISITION

CURVE RTE366_21	
PI	2300+18.69
PC	2295+22.18
PT	2304+69.01
Δ	42° 36' 30.2" (RT)
D	4° 30' 00.2"
L	946.84'
T	496.52'
R	1,273.22'

ROW SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	145

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DATE	DESCRIPTION	REV.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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ST. LOUIS, MO 63102 (314) 436-5500
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SHEET 67 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

SCALE
0 20 40 60

DISCLAIMER
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23J120164
75 KENRICK PLZ
N/F
KENRICK PM, LLC
DB 23796, PG 1928
NO ACQUISITION

EX ESMT TO MSD PB 293, PG 38

23J210816
7359 WATSON RD
N/F
CAPLACO TWENTY-TWO, INC, ETAL
DB 11776, PG 2341
NO ACQUISITION

BNSF RAILROAD

EX 30' W ESMT TO MSD PB 362, PG 11

MATCHLINE STA. 2305+00

MATCHLINE STA. 2310+00

EXIST. R/W

OE

PP

PP W/ RISER

2306+00

2307+00

2308+00

PC STA 2308+61.35

2309+00

S 78° 58' 3" W

CONST. ℄ RTE 366

EDGE OF WATER

CITY LIMITS SHREWSBURY

UNINCORPORATED

US SURVEY 1953

CURVE RTE366_24	
PI	2312+64.54
PC	2308+61.35
PT	2316+47.39
Δ	31° 26' 06.7" (LT)
D	3° 59' 57.0"
L	786.04'
T	403.19'
R	1,432.69'

24J510072
6901 MACKENZIE RD
N/F
CATHOLIC CEMETERIES OF ARCHDIOCESE
DB 7057, PG 1853
NO ACQUISITION

ROW SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	146

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
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REV.

SCALE
0 20 40 60

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131
SEE NEXT SHEET

MATCHLINE STA. 2310+00

MATCHLINE STA. 2315+00

EXIST. ESM'T

EXIST. ESM'T

EXIST. R/W

EXIST. R/W

EXIST. R/W

EXIST. R/W

2311+00

2312+00

CONST. ℄ RTE 366

2313+00

2314+00

PP

PP

PP

CURVE RTE366_24	
PI	2312+64.54
PC	2308+61.35
PT	2316+47.39
Δ	31° 26′ 06.7″ (LT)
D	3° 59′ 57.0″
L	786.04′
T	403.19′
R	1,432.69′

24J510072
6901 MACKENZIE RD
N/F
CATHOLIC CEMETERIES OF ARCHDIOCESE
DB 7057, PG 1853
NO ACQUISITION

ROW SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

SHEET 69 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	147

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

SCALE
0 20 40 60

131
23J210807
7345 WATSON RD
N/F
ST ANTHONYS MEDICAL CENTER
DB 22538, PG 271
844 SF T.C.E.
183790 SF ORIGINAL
183790 SF REMAINING

132
23J220583
7259 WATSON RD
N/F
CAPLACO TWENTY-TWO, INC, ETAL
DB 11776, PG 2341
2328 SF T.C.E.
976869 SF ORIGINAL
976869 SF REMAINING

POT STA 3+00.00

℄ JACOBS COAL RD.

EX PERM DRAINAGE ESMT TO MODOT
DB 8443, PG 1669 TRACT 2

L = 57.12'
S 47° 31' 56" W
L = 27.00'
N 42° 28' 4" W
STA. 2317+25.60
83.00' LT.
L = 17.00'
N 42° 28' 4" W
L = 10.88'
S 47° 31' 56" W
STA. 2317+14.73
83.00' LT.
STA. 2317+14.73
66.00' LT.

STA. 2317+82.73
83.00' LT.
L = 27.00'
S 42° 28' 4" E

L = 55.00'
N 47° 31' 56" E
L = 10.00'
S 42° 28' 4" E
STA. 2316+59.73
66.00' LT.
STA. 2316+59.73
56.00' LT.

T.C.E.
T.C.E.
EXIST. SIGNAL ESM'T.
EXIST. R/W
EXIST. R/W

L = 65.88'
N 47° 31' 56" E

STA. 2317+25.60
56.00' LT.
STA. 2317+82.73
56.00' LT.
L = 57.12'
S 47° 31' 56" W

MATCHLINE STA. 2315+00
MATCHLINE STA. 2320+00

2316+00
PT STA 2316+47.39
2317+00
POT STA 5+00.00
2318+00
2315+00
CONST. ℄ RTE 366
N 47° 31' 56" E

4'W (10'W ORIGINAL)
ESMT TO STATE OF MISSOURI
DB 1143, PG 51

EXIST. R/W
CITY LIMITS SHREWSBURY
UNINCORPORATED
EXIST. R/W

CURVE RTE366_24	
PI	2312+64.54
PC	2308+61.35
PT	2316+47.39
Δ	31° 26' 06.7" (LT)
D	3° 59' 57.0"
L	786.04'
T	403.19'
R	1,432.69'

24J510072
6901 MACKENZIE RD
N/F
CATHOLIC CEMETERIES OF ARCHDIOCESE
DB 7057, PG 1853
NO ACQUISITION

ROW SHEET LEGEND
- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

DISCLAIMER
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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED 8/2/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 148
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

SHEET 70 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

SCALE

0 20 40 60

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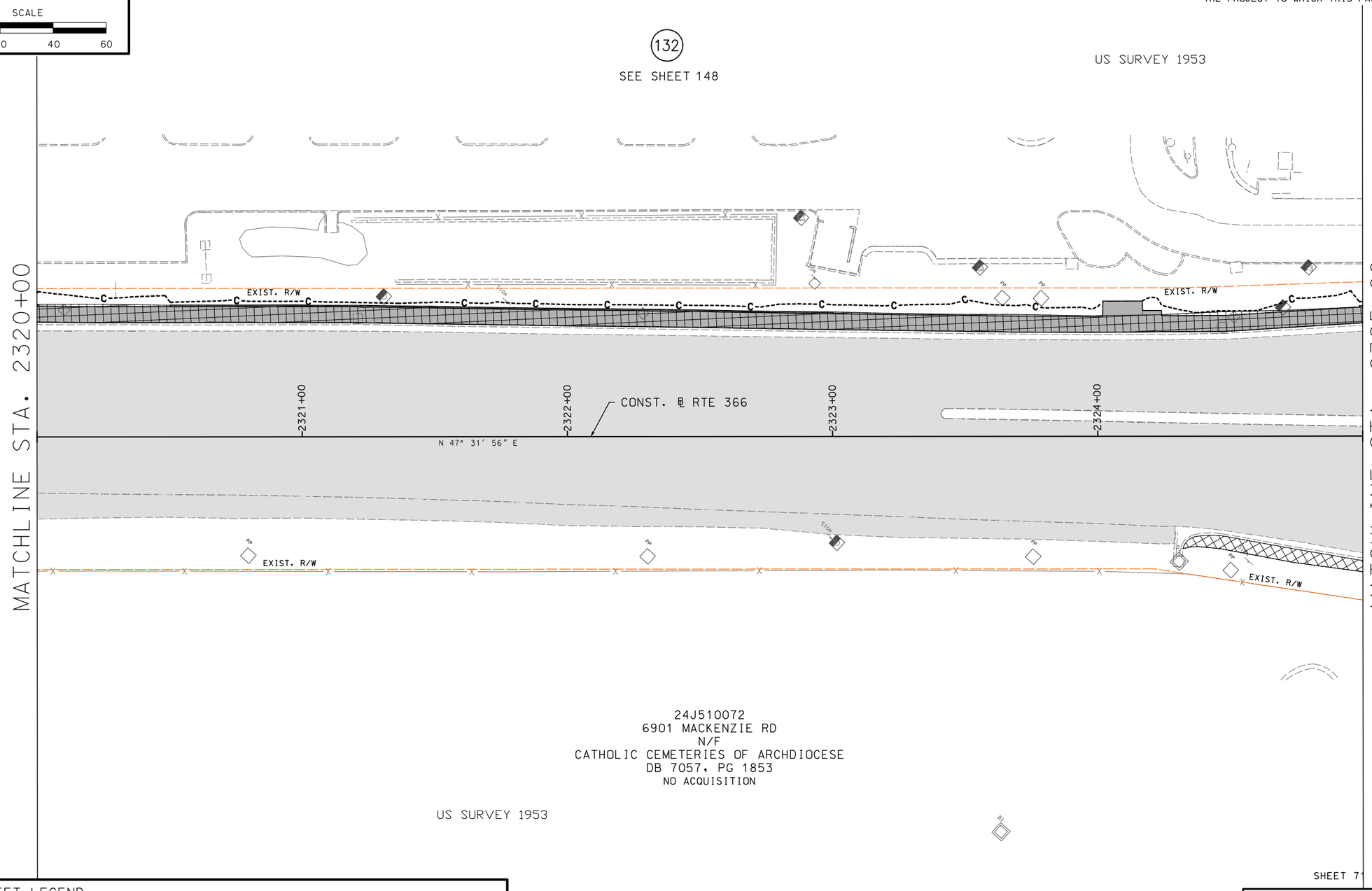

ROW SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

SHEET 71 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	149

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

SCALE
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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DATE PREPARED	
8/2/2024	
MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	150
COUNTY	
ST. LOUIS	
JOB NO.	
J6S3582	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
CRAWFORD, MURPHY & TILLY, INC.
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REV.

POT STA 3+00.00

US SURVEY 1953

132
SEE SHEET 148

℄ MACKENZIE POINTE

EX PERM DRAINAGE ESMT TO MODOT
DB 8443, PG 1669 TRACT 1

EXIST. R/W

CITY LIMITS SHREWSBURY
UNINCORPORATED

P RISER

2330

MATCHLINE STA. 2325+00

MATCHLINE STA. 2330+25

2326+00

CONST. ℄ RTE 366

2327+00

POT STA 5+00.00

N 47° 31' 56" E

2328+00

2329+00

2330+00

POT STA 5+00.00

CITY LIMITS SHREWSBURY
UNINCORPORATED

EXIST. R/W

24J510072
6901 MACKENZIE RD
N/F
CATHOLIC CEMETERIES OF ARCHDIOCESE
DB 7057, PG 1853
NO ACQUISITION

℄ RTE P/MACKENZIE RD

EXIST. R/W

23J220484
7142 VILLANOVA PLZ
N/F
CTESS, LLC
DB 17728, PG 1769
NO ACQUISITION

EXIST. R/W

EXIST. R/W

DRWY
2329+97 RT.
28' WIDE PAVED APPROACH (8")
GRADE = +1.5% (6' ADA PATH) / +8.3% AT CL

23J240031
7210 WATSON RD
N/F
JL WATSON SCHULER LLC
DB 24758, PG 2642
NO ACQUISITION

SHEET 72 OF 73

ROW SHEET LEGEND

- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

SCALE
0 20 40 60

MATCHLINE STA. 2330+25

(132)
SEE SHEET 148

(133)
23J240121
7201 WATSON RD
N/F
PREFERRED DEVELOPMENT CORPORATION
DB 7488, PG 989
216 SF T.C.E.
41402 SF ORIGINAL
41402 SF REMAINING

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MO PE-2023025373

DRWY 2331+00 LT. 26' WIDE PAVED APPROACH (8") GRADE = +1.5% (15' ADA PATH) / +10.4% AT CL

STA. 2330+61.46 50.00' LT.
L = 18.38' S 02° 31' 56" W
STA. 2330+74.46 63.00' LT.
L = 42.00' S 47° 31' 56" W
STA. 2331+16.46 63.00' LT.
L = 18.38' S 87° 28' 03" E
STA. 2331+29.46 50.00' LT.
T.C.E.
EXIST. R/W
L = 68.00' S 47° 31' 56" W

2331+00
2332+00
2333+00
2334+00
2335+00
CONST. ℄ RTE 366
S 47° 31' 56" W

EXIST. ESM'T
EX ESMT TO UE DB 8468, PG 2202
L = 16.16' N 47° 31' 56" E
L = 41.16' N 47° 31' 56" E
T.C.E.
STA. 2333+66.15 55.00' LT.
STA. 2333+66.15 50.00' LT.
L = 5.00' N 42° 28' 4" W
L = 11.94' S 47° 31' 56" W
STA. 2333+82.31 50.00' LT.
L = 6.55' S 82° 39' 24" E
STA. 2333+78.09 55.00' LT.

DRWY 2333+90 LT. 44.5' WIDE PAVED APPROACH (8") GRADE = +1.5% (8' ADA PATH) / +9.5% / +13.5% AT CL

DRWY 2335+42 LT. NO IMPROVEMENTS
2335
CITY LIMITS SHREWSBURY
EXIST. R/W
UNINCORPORATED
STA. 2334+23.47 55.00' LT.
STA. 2334+23.47 50.00' LT.
L = 5.00' N 42° 28' 4" W
L = 45.38' N 47° 31' 56" E
END MILL/OVERLAY STA. 2334+96.81
END PROJECT STA. 2335+61.34

EXIST. R/W

DRWY 2330+67 RT. 28.5' WIDE PAVED APPROACH (8") GRADE = +1.5% (6' ADA PATH) / +9.8% AT CL

DRWY 2331+35 RT. 49' WIDE PAVED APPROACH (8") GRADE = +1.5% (12' ADA PATH) / +8.3% AT CL

23J240064
7220 WATSON RD
N/F
ROJANA ENTERPRISES, INC
DB 23114, PG 833
NO ACQUISITION

DRWY 2332+99 RT. 49.5' WIDE PAVED APPROACH (8") GRADE = +1.5% (6.5' ADA PATH) / +2.9% AT CL

DRWY 2333+62 RT. 28' WIDE PAVED APPROACH (8") GRADE = +1.5% (6.5' ADA PATH) / +8.9% AT CL

23J330044
7208 WATSON RD
N/F
CROYDON PROPERTIES, LLC
DB 19879, PG 2285
NO ACQUISITION

DRWY 2334+40 RT. 39.5' WIDE PAVED APPROACH (8") GRADE = +1.5% (6.5' ADA PATH) / +3.0% AT CL

23J330077
7200 WATSON RD
N/F
CHIPSON LIMITED PARTNERSHIP
DB 11572, PG 116
NO ACQUISITION

DRWY 2335+91 RT. NO IMPROVEMENTS

ROW SHEET LEGEND
- EXISTING RIGHT OF WAY (EXIST. R/W)
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- FULL DEPTH PAVEMENT

SHEET 73 OF 73

RIGHT OF WAY SHEET

ROUTE 366
WATSON ROAD

DATE PREPARED 8/2/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 151
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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ROUTE 366 IMPROVEMENTS - ROW IMPACTS

PARCEL COUNT	LOCATOR #	PARCEL ADDRESS	OWNER NAME	OWNER ADDRESS (FROM ST. LOUIS COUNTY GIS)	PERMANENT HIGHWAY EASEMENT (SF)	TEMPORARY CONSTRUCTION EASEMENT (SF)
2	25M110212	10760 SUNSET HILLS PLZ	SUNSET HILLS OWNER LLC	120 S CENTRAL AVE SUITE 500, SAINT LOUIS MO, 63105	3084	5029
3	25M110221	10895 SUNSET HILLS PLZ	SUNSET HILLS OWNER LLC	120 S CENTRAL AVE SUITE 500, SAINT LOUIS MO, 63105		818
4	25M110142	10893 SUNSET HILLS PLZ	WAGENSEIL PROPERTIES LLC	208 BOONE HOLW, WENTZVILLE MO, 63385		818
5	25M110252	10797 SUNSET HILLS PLZ	SUNSET HILLS OWNER LLC	156 LAKE DR. SUITE 103, WEXFORD PA, 15090	123	772
6	25M130508	10705 WATSON RD	ROUTE 66 HOSPITALITY LLC	1000 ELEVEN SOUTH SUITE 5A, COLUMBIA IL, 62236		1711
7	25M110274	10765 SUNSET HILLS PLZ	SUNSET HILLS OWNER LLC	120 S CENTRAL AVE SUITE 500, SAINT LOUIS MO, 63105	186	768
8	25M141544	1580 S KIRKWOOD RD	NISMARK L L C	13300 THORNHILL DR, SAINT LOUIS MO, 63131		760
9	25M141553	10575 WATSON RD	NATIONAL RETAIL PROPERTIES L P	450 S ORANGE AVE SUITE 900, ORLANDO FL, 32801	229	1084
10	25M120163	10542 WATSON RD	MIDAS REALTY CORP A CORP	PO BOX 52427, ATLANTA GA, 30355		277
11	25M141272	10501 WATSON RD	REGIONS BANK	250 RIVERCHASE PKWY SUITE 600, BIRMINGHAM AL, 35244		452
12	25M232143	10415 WATSON RD	GOFF MOLL LLC	PO BOX 440397, SAINT LOUIS MO, 63144		1200
13	25M232110	10327 WATSON RD	FAY CATHERINE E TRUSTEE	8689 CANYON LN, DITTMER MO, 63023		323
14	25M232303	10311 WATSON RD	MC SUNSET LLC	711 OLD FRONTENAC SQ, SAINT LOUIS MO, 63131		706
15	25M232312	10275 WATSON RD	SUNSET LAND HOLDINGS L L C	10275 WATSON RD, SAINT LOUIS MO, 63127		570
16	25M210909	10202 WATSON RD	M & R WATSON L C A MISSOURI LIMITED LIAB	14151 CLAYTON RD, CHESTERFIELD MO, 63017		213
17	25M220625	10156 WATSON RD	WATSON LEMAY REALTY LLC	3601 ARI LN, GLENVIEW IL, 60026		388
18	25M240012	10151 WATSON RD	BRYUCE LLC	14225 STATE RD E, DE SOTO MO, 63020		298
19	25M221303	10100 WATSON RD	KERAS CHILDERS FAMILY L P	2080 COVINGTON PIKE, MEMPHIS TN, 38128		329
20	25M240063	10125 WATSON RD	DEEBA INVESTMENTS II L L C	424 S CLAY AVE, SAINT LOUIS MO, 63122		827
21	25M240021	10011 WATSON RD	BADER PROPERTIES LLC	10682 SUNKIST LN, SAINTE GENEVIEVE MO, 63670	21	1540
22	25M221312	10024 WATSON RD	HUBBARD CRISTA K SEPARATE PROPERTY TRUST	2377 KING ARTHUR CT, LA JOLLA CA, 92037		1786
23	25M240030	9979 WATSON RD	CRESTWOOD APPLIANCE REPAIR CO INC	9979 WATSON RD, SAINT LOUIS MO, 63126		1716
24	25M240052	9965 WATSON RD	WATSON PROPERTIES LIMITEDPARTNERSHIP	9507 PAGE AVE, SAINT LOUIS MO, 63132		1805
25	25M220681	9960 WATSON RD	ARC NTSTLMO001 LLC	4900 TBC WAY, WEST PALM BEACH FL, 33410		1447
26	25M240939	9955 WATSON RD	WOOD LOWELL K TRUSTEE	P O BOX 9167, SPRINGFIELD MO, 65801		3424
27	25M220735	9942 WATSON RD	EMART INVESTMENT CO	9942 WATSON RD, SAINT LOUIS MO, 63126	197	1387
28	25M220726	10000 WATSON RD	THIRTY THREE THIRTY THREE INC ET AL	10000 WATSON RD SUITE 1-L-5, SAINT LOUIS MO, 63126	535	1186
29	25M240096	9933 WATSON RD	ROCK OIL COMPANY	7701 FORSYTH BLVD SUITE 325, SAINT LOUIS MO, 63105	250	
30	25M330010	9919 WATSON RD	SPIRIT ENERGY L L C A DELAWARE LTD LIABI	7701 FORSYTH BLVD SUITE 325, SAINT LOUIS MO, 63105	70	2973
31	25M310807	9930 WATSON RD	SPEEDARI LLC	12915 SUNSET BLUFF CT, SAINT LOUIS MO, 63127	93	813
32	25M310816	9920 WATSON RD	FIFTH L L C	11555 CONCORD VILLAGE AVE, SAINT LOUIS MO, 63128		545
33	25M330607	9915 WATSON RD	MCDONALDS REAL ESTATE CO	11422 GRAVOIS RD SUITE 102, SAINT LOUIS MO, 63126		1349
34	25M310935	9900 WATSON RD	BUTLER INVESTMENTS PARTNERSHIP L P	9900 WATSON RD, SAINT LOUIS MO, 63126		485
35	25M330634	9901 WATSON RD SUITE 121	TOMAX DEVELOPMENT CORP ETAL	9986 MANCHESTER RD, SAINT LOUIS MO, 63122		950
36	25M330643	9901 WATSON RD	ROTT RUTH ROSETRUSTEE	9986 MANCHESTER RD, SAINT LOUIS MO, 63122		352
37	25M330670	9897 WATSON RD	ROTT RUTH ROSE TRUSTEE	9986 MANCHESTER RD, SAINT LOUIS MO, 63122		729
38	25M330593	9833 WATSON RD	D & C REAL ESTATE LLC	14 CARRSWOLD DR, SAINT LOUIS MO, 63105		4194

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	152

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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SHEET 1 OF 4

RIGHT OF WAY IMPACTS TABLE

MO ROUTE 366
WATSON ROAD

ROUTE 366 IMPROVEMENTS - ROW IMPACTS (CONTINUED)

PARCEL COUNT	LOCATOR #	PARCEL ADDRESS	OWNER NAME	OWNER ADDRESS (FROM ST. LOUIS COUNTY GIS)	PERMANENT HIGHWAY EASEMENT (SF)	TEMPORARY CONSTRUCTION EASEMENT (SF)
39	25M320642	9838 WATSON RD	ARCP RL PORTFOLIO III LLC	P O BOX 6467, ORLANDO FL, 32802		1600
40	25M340592	101 WATSON PLZ A	WATSON PLAZA LLC	639 GRAVOIS BLUFFS BLVD SUITE D, FENTON MO, 63026	1228	
41	25M320594	9822 WATSON RD	BLUTH CAROL L REVOCABLE TRUST THE	9822 WATSON RD, SAINT LOUIS MO, 63126		1659
42	25M340460	9819 WATSON RD	WATSON PLAZA LLC	639 GRAVOIS BLUFFS BLVD SUITE D, FENTON MO, 63026		1016
43	25M340042	9806 WATSON RD A	ECA PROPERTIES LLC	15 THE BOULEVARD ST LOUIS ST, SAINT LOUIS MO, 63117		562
45	25M340493	9804 WATSON RD	DAUGHTERS OF ST PAUL RELIGIOUS TRUST	50 ST PAUL AVE, JAMAICA PLAIN MA, 02130		135
46	25M340581	9807 WATSON RD	WATSON PLAZA LLC	639 GRAVOIS BLUFFS BLVD SUITE D, FENTON MO, 63026	342	3182
47	25M340507	9800 WATSON RD	TD NAIL SPA LLC	8037 WATSON RD SUITE 101, SAINT LOUIS MO, 63119		65
48	25M340394	9792 WATSON RD	SCOTT CREDIT UNION	101 CREDIT UNION WAY, EDWARDSVILLE IL, 62025	373	1100
49	25M340543	9805 WATSON RD	WATSON PLAZA LLC	639 GRAVOIS BLUFFS BLVD SUITE D, FENTON MO, 63026	368	315
50	25M340341	9760 WATSON RD	SONNY'S REAL ESTATE DEVELOPMENT LLC	831 GARONNE DR, BALLWIN MO, 63021		3872
51	25L130482	9730 WATSON RD	GIANINO ORAZIO J TRUSTEE ETAL	130 S BEMISTON SUITE 301, SAINT LOUIS MO, 63105		4217
52	25L130525	9701 WATSON RD	THF CRESTWOOD POINT DEVELOPMENT L L C	PO BOX 2148, MILWAUKEE WI, 53201		2090
53	25L130543	9712 WATSON RD	LAST LLC	9712 WATSON RD, SAINT LOUIS MO, 63126	189	470
54	25L140654	1 CRESTWOOD PLZ	DIERBERGS CRESTWOOD CROSSING LLC	-	3681	
55	25L130141	9666 WATSON RD	AANASER INC	540 CUNNINGHAM DR, BELLEVILLE IL, 62226		567
56	25L140074	9618 WATSON RD	MORNING GLORY L L C	112 S HANLEY SUITE 200, SAINT LOUIS MO, 63105	754	1480
57	25L140571	9600 WATSON RD	9600 WATSON ROAD LLC	408 AVALON VIEW CT, FENTON MO, 63026	326	911
58	25L140636	9560 WATSON RD	CH RETAIL FUND I ST LOUIS SAPPINGTON	P O BOX 802206, DALLAS TX, 75380		2068
59	25L140645	9550 WATSON RD	FIRST COMMUNITY CREDIT UNION	9550 WATSON RD, SAINT LOUIS MO, 63126		1846
60	25L140562	9540 WATSON RD	MCW R D CRESTWOOD COMMONS LLC	11420 LACKLAND RD, SAINT LOUIS MO, 63146		4229
61	25L230111	9420 WATSON RD	9420 WATSON ROAD L L C	108 N TAYLOR AVE, SAINT LOUIS MO, 63122		953
62	25L230076	9400 MARY GLEN DR	FOREST VIEW DEVELOPMENT LLC	9350 SAPPINGTON RD, SAINT LOUIS MO, 63126		203
64	25L230102	9400 WATSON RD	LINDBERGH SCHOOLS	9350 SAPPINGTON RD, SAINT LOUIS MO, 63126		905
65	25L230120	9300 WATSON RD	9300 WATSON LLC	9300 WATSON RD, SAINT LOUIS MO, 63126		800
66	25L230186	9282 WATSON RD	JTS PROPERTY L L C	10510 WINDSWEPT DR, SAINT LOUIS MO, 63128	337	1382
68	25L230197	9222 WATSON RD	CHIPPEWA LOFT LLC	5203 CHIPPEWA ST SUITE 301, SAINT LOUIS MO, 63109	26	2424
69	25L510224	9206 WATSON RD	REALTY INCOME PROPERTIES 17 LLC	111 W MONROE, CHICAGO IL, 60603		2283
70	25L510235	9201 WATSON RD	9201 MILLENNIUM CENTRE LLC	9201 WATSON RD SUITE 300, SAINT LOUIS MO, 63126	587	1094
71	25L520751	9200 WATSON RD	ROESLEIN & DICKMANN PROPERTIES L L C	9200 WATSON RD, SAINT LOUIS MO, 63126		1943
72	25L510246	9177 WATSON RD	DEVMAR PARTNERS LLC	2005 STRADE;;A RD, LOS ANGELES CA, 90077		1285
73	25L520454	9147 WATSON RD	MCD PROPERTY LLC	1073 OLD GRAVOIS, FENTON MO, 63026		610
74	25L520267	9111 WATSON RD	SAPPINGTON JOHN JACK ETAL	9111 WATSON RD, SAINT LOUIS MO, 63126		200
75	25L520355	9100 WATSON RD	CRESTPOINTE L L C	9100 WATSON RD 100, SAINT LOUIS MO, 63126		555
76	25L520696	9052 WATSON RD	NANAPA LLC	9165 CORDOBA LN, SAINT LOUIS MO, 63126		968
76A	25L520805	9044 WATSON RD	STURM, LAWRENCE J & ROSEMARY H/W	12039 CONWAY RD, SAINT LOUIS, MO, 63131		137

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Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
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366	MO
DISTRICT	SHEET NO.
SL	153

COUNTY
ST. LOUIS

JOB NO.
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CONTRACT ID.

PROJECT NO.

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REV.

SHEET 2 OF 4

RIGHT OF WAY IMPACTS TABLE

MO ROUTE 366
WATSON ROAD

ROUTE 366 IMPROVEMENTS - ROW IMPACTS (CONTINUED)

PARCEL COUNT	LOCATOR #	PARCEL ADDRESS	OWNER NAME	OWNER ADDRESS (FROM ST. LOUIS COUNTY GIS)	PERMANENT HIGHWAY EASEMENT (SF)	TEMPORARY CONSTRUCTION EASEMENT (SF)
77	25L520652	9031 WATSON RD	CRESTWOOD SQUARE ASSOCIATES LP	639 GRAVOIS BLUFFS BLVD SUITE D, FENTON MO, 63026		1724
78	25L610137	8950 WATSON RD	CREST DEVELOPMENT CO A MOCORP	8922 MANCHESTER RD, SAINT LOUIS MO, 63144		1391
79	25L610335	1270 PRICE RD	WOHLFAHRT HOLDINGS LLC	8800 WATSON RD, SAINT LOUIS MO, 63119		4675
80	25L630597	8925 WATSON RD	DJH V LLC	18910 MELROSE RD, GLENCOE MO, 63038		2235
81	25L630553	8793 WATSON RD	GATEWAY RESOURCES MANAGEMENT LLC	121 LADUE GROVE LN, SAINT LOUIS MO, 63141		1975
82	25L640750	8790 WATSON RD	EIGHTY EIGHT HUNDRED WATSON ROAD LLC	227 WINDY ACRES ESTATES RD, BALLWIN MO, 63021		949
83	25L640134	8720 WATSON RD	410 NORTH JEFFERSON GROUPLLCTHE	PO BOX 221027, SAINT LOUIS MO, 63122		8200
84	25L640631	51 HEATHER DR	HEATHER DRIVE PROPERTIESLLC ETAL	6 DEER CREEK WOODS DR, SAINT LOUIS MO, 63124	192	512
85	25L640563	8700 WATSON RD	UNION ELECTRICCOMPANY	1901 GRATIOT ST, SAINT LOUIS MO, 63166	48	474
86	25K430824	8570 WATSON RD	HOFFMAN YVONNE ETAL	4400 MORNING DOVE CT, SAINT LOUIS MO, 63128		297
89	25K440751	8500 WATSON RD	RTO WATSON ROAD LLC	2725 VETERANS MEMORIAL PKWY, SAINT CHARLES MO, 63303		2112
90	25K440632	8352 WATSON RD	GG CENTER LLC	8330 WATSON RD SUITE 200, SAINT LOUIS MO, 63119	45	449
91	24K121761	250 KENORA CT	MCGUIRE HYACINTH	250 KENORA CT, SAINT LOUIS MO, 63119		94
92	25K530960	7830 CHESHIRE LN	GG CENTER LLC	8330 WATSON RD SUITE 200, SAINT LOUIS MO, 63119		787
95	25K531169	8300 WATSON RD	PAMPER YOUR POOCH PETWASH LLC	8300 WATSON RD, SAINT LOUIS MO, 63119		1000
96	24K210078	8275 WATSON RD	LUETHANS TOD N TRUSTEE	8275 WATSON RD, SAINT LOUIS MO, 63119		25
97	24K210089	8271 WATSON RD	HACKMANN DONALD O & DIANNE J H/W	8271 WATSON RD, SAINT LOUIS MO, 63119		108
98	24K210090	8265 WATSON RD	DEITERS CASSANDRA & SHELBY DOMABYL T/E	8265 WATSON RD, SAINT LOUIS MO, 63119		114
99	25K531136	8254 WATSON RD	CYCOLONE INVESTMENTS LLC	120 LAFAYETTE CT, BARNHART MO, 63012		500
100	24K210100	8261 WATSON RD	BUTCHER JOSHUA E & RENEE E H/W	342 JEFFERSON CIRCLE DR, FENTON MO, 63026		129
101	24K210122	8257 WATSON RD	HIMES GEORGE N JR PAMELA R	8257 WATSON RD, SAINT LOUIS MO, 63119		172
102	25K531147	8250 WATSON RD	SOUTHLAND CORPORATION THE	PO BOX 711, DALLAS TX, 75221		1148
103	24K210166	8241 WATSON RD	MANDZUKIC SENIJA	8241 WATSON RD, SAINT LOUIS MO, 63119		164
104	24K210188	8237 WATSON RD	VIGIL FERNANDO & DEBRA T/E	8237 WATSON RD, SAINT LOUIS MO, 63119		350
105	24K210199	1449 EDGAR RD	MUNKEL MARY JO	1449 EDGAR RD, SAINT LOUIS MO, 63119		357
106	24K220099	502 AMBERGATE DR	EKBATANI CAROLYN A TRUSTEE ETAL	502 AMBERGATE DR, SAINT LOUIS MO, 63119		265
107	24K220033	8208 WATSON RD	LA CASA GRANDE LLC	4568 GRAVOIS AVE, SAINT LOUIS MO, 63116		1001
108	24K220044	8200 WATSON RD	CHAMBERLAIN PARKDALE L LC	8200 WATSON RD, SAINT LOUIS MO, 63119		79
109	24K220101	8080 WATSON RD	BARTNETT MARK S TRUSTEE	725 GARDEN AVE, SAINT LOUIS MO, 63119		1450
110	24K310178	8050 WATSON RD	NETWORK FOR STRONG COMMUNITIES	8050 WATSON RD SUITE 240, SAINT LOUIS MO, 63119		355
111	24K310943	8065 WATSON RD	YORKSHIRE VILLAGE PROPERTIES L L C	101 S HANLEY RD SUITE 1400, SAINT LOUIS MO, 63105	565	2672
112	24K310893	8000 WATSON RD	QUIK TRIP CORPORATION	PO BOX 3475, TULSA OK, 74101	417	2992
114	24K310794	8000 S LACLEDE STATION RD	RESTAURANTS UNLIMITED INC	PO BOX 3475, TULSA OK, 74101	111	168

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	154

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

SHEET 3 OF 4

RIGHT OF WAY IMPACTS TABLE

MO ROUTE 366
WATSON ROAD

ROUTE 366 IMPROVEMENTS - ROW IMPACTS (CONTINUED)

PARCEL COUNT	LOCATOR #	PARCEL ADDRESS	OWNER NAME	OWNER ADDRESS (FROM ST. LOUIS COUNTY GIS)	PERMANENT HIGHWAY EASEMENT (SF)	TEMPORARY CONSTRUCTION EASEMENT (SF)
115	24K310815	7960 WATSON RD	KINGS COURT PARTNERSHIP L P	PO BOX 4900, SCOTTSDALE AZ, 85261		577
116	24K310741	7945 WATSON RD	MARK ADOLPHUS FAMILY TRUST	8011 CLAYTON RD SUITE 300, SAINT LOUIS MO, 63117		579
117	24K310376	7940 WATSON RD	KUHN PROPERTIES INC	9315 LAVERN PL, SAINT LOUIS MO, 63123		252
118	24K320742	7918 WATSON RD	PARDESHI HOTELS LLC	3331 DOMAIN ST 1, SAINT CHARLES MO, 63301		85
119 - VOID	24K310695	7901 WATSON RD	MCDONALDS REAL ESTATE CO OF COLUMBIA MD	P O BOX 66207, AMF OHARE IL, 60666		
120	24K321640	7894 WATSON RD	DUPLEX MOTEL INC A MISSOURI CORP	7898 WATSON RD, SAINT LOUIS MO, 63119		446
121	24K340872	7800 WATSON RD	WAYSIDE MOTEL INCORPORATED	7800 WATSON RD, SAINT LOUIS MO, 63119		854
122	24K341451	7790 WATSON RD	MIKEN TECHNOLOGIES INC	1624 PIEDMONT CIR, SAINT CHARLES MO, 63304		78
123	24K341396	963 OAK KNOLL MANOR DR	YANICS MARTIN E ETAL	963 OAK KNOLL MANOR DR, SAINT LOUIS MO, 63119		256
124	24J130120	7748 WATSON RD	7748 WATSON ROAD L L C	13014 BUTLER CREST DR, SAINT LOUIS MO, 63128		60
125	24J130065	7750 WATSON RD	RISCHBIETER JOANNE	7750 WATSON RD, SAINT LOUIS MO, 63119		367
126	24J130054	7734 WATSON RD	H M BOGEMAN REALTY CO ETAL	8922 MANCHESTER RD, SAINT LOUIS MO, 63144	96	497
127 - VOID	24J410202	7710 WATSON RD	GANNETT OUTDOOR OF ST LOUIS	6767 N HANLEY RD, SAINT LOUIS MO, 63134		
128	24J440155	7594 WATSON RD	COURTLAND MANOR APARTMENTS LLC	-		75
129	23J121752	7437 WATSON RD	KENRICK DEVELOPERS LLC	PO BOX 8050, BENTONVILLE AR, 72712		102
130	23J121761	7391 WATSON RD	KENRICK DEVELOPERS LLC	PO BOX 8050, BENTONVILLE AR, 72712		166
131	23J210807	7345 WATSON RD	ST ANTHONYS MEDICAL CENTER	7345 WATSON RD, SAINT LOUIS MO, 63119		844
132	23J220583	7259 WATSON RD	CAPLACO TWENTYTWO INC AMO CORP ETAL	4621 S KINGSHIGHWAY AVE, SAINT LOUIS MO, 63109		2328
133	23J240121	7201 WATSON RD	PREFERRED DEVELOPMENT CORP MOCORP	12485 LIMESTONE SPUR, SAINT LOUIS MO, 63127		216

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED: 8/2/2024
MO ROUTE: 366 | STATE: MO
DISTRICT: SL | SHEET NO.: 155
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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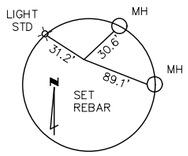
ENGINEERING CORPORATION - 000631

SHEET 4 OF 4

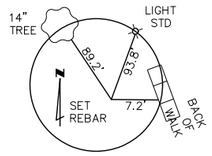
RIGHT OF WAY IMPACTS TABLE

MO ROUTE 366
WATSON ROAD

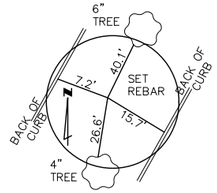
REV.



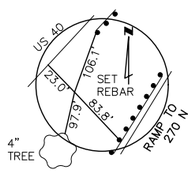
REFERENCE TIE
CONTROL POINT #100
REBAR W/ CAP ON W SIDE OF SB RIVER DES PERES BLVD 0.2 MILES N FROM MO 366 NEAR START OF MEDIAN
N 1003287.267
E 872749.078
ELEV 426.48



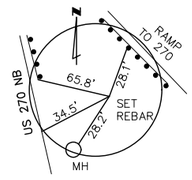
REFERENCE TIE
CONTROL POINT #101
REBAR W/ CAPP ON W SIDE OF SB DES PERES BLVD 0.2 MILES S FROM MO 366 NEAR START OF MEDIAN
N 1001583.906
E 873845.522
ELEV 431.22
STA. 2340+94.56
920.85' RT



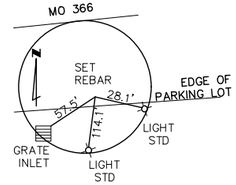
REFERENCE TIE
CONTROL POINT #102
REBAR W/ CAP IN GRASS ON N SIDE OF LIGGETT DR INSIDE MEDIAN ON LIGGETT CT 0.15 MILE FROM GRANT RD
N 994536.185
E 857213.751
ELEV 565.64
STA. 2155+93.18
1085.22' LT



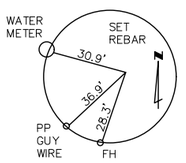
REFERENCE TIE
CONTROL POINT #103
REBAR W/CAP IN GRASS ON S SIDE OF EB 44 AND N SIDE OF RAMP TO 270 N FROM EB 44
N 987794.207
E 840549.806
ELEV 469.648



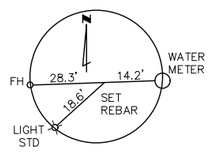
REFERENCE TIE
CONTROL POINT #104
REBAR W CAP IN GRASS ON E SIDE OF NB 270 AND W SIDE OF RAMP MERGING INTO NB 270 FROM EB 44
N 989629.609
E 840595.718
ELEV 483.916



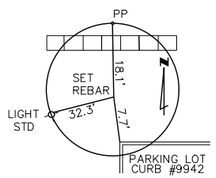
REFERENCE TIE
CONTROL POINT #110
REBAR W/CAP IN GRASS ON S SIDE OF MO 366 IN FRONT OF PARKING LOT OF #3637
N 990234.967
E 843647.379
ELEV 600.376
STA. 2009+38.34
112.57' RT



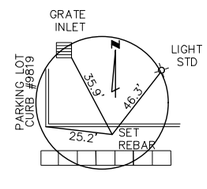
REFERENCE TIE
CONTROL POINT #111
REBAR W/CAP IN GRASS ON S SIDE OF MO 366 AT NW CORNER OF #10760
N 990718.148
E 844980.361
ELEV 653.529
STA. 2023+55.07
56.08' RT



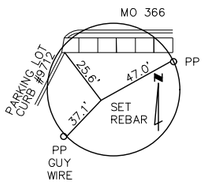
REFERENCE TIE
CONTROL POINT #112
REBAR W/ CAP IN GRASS ON N SIDE OF MO 366 IN FRONT OF #10275
N 991397.757
E 848468.947
ELEV 661.374
STA. 2059+28.72
50.43' LT



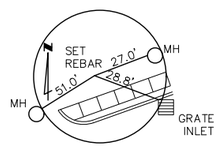
REFERENCE TIE
CONTROL POINT #113
REBAR W/CAP IN GRASS ON S SIDE OF MO 366 IN FRONT OF #9942
N 991423.988
E 850004.743
ELEV 647.597
STA. 2074+60.82
59.21' RT



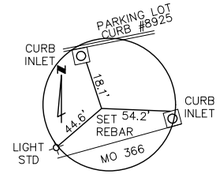
REFERENCE TIE
CONTROL POINT #114
REBAR W/ CAP IN GRASS ON N SIDE OF MO 366 AT SW CORNER OF #9819
N 991696.593
E 851754.968
ELEV 633.486
STA. 2092+28.29
57.6' LT



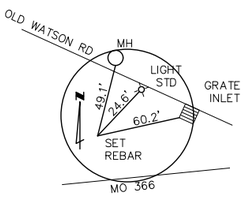
REFERENCE TIE
CONTROL POINT #115
REBAR W/CAP IN GRASS ON S SIDE OF MO 366 AT NW CORNER OF #9712
N 991675.472
E 853186.909
ELEV 633.102
STA. 2106+52.76
90.03' RT



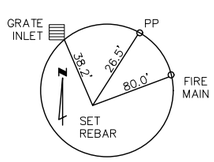
REFERENCE TIE
CONTROL POINT #116
REBAR W/CAP IN GRASS ON N SIDE OF MO 366 IN FRONT OF #9109
N 993283.051
E 857050.285
ELEV 531.766
STA. 2148+69.97
48.87' LT



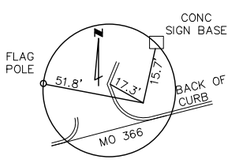
REFERENCE TIE
CONTROL POINT #117
REBAR W/CAP IN GRASS ON N SIDE OF MO 366 IN FRONT OF #8925E
N 994007.720
E 858446.709
ELEV 582.905
STA. 2164+43.23
45.58' LT



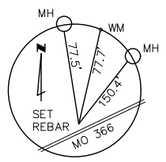
REFERENCE TIE
CONTROL POINT #118
REBAR W/CAP IN GRASS ON W SIDE OF INTERSECTION OF MO 366 AND OLD WATSON RD
N 995035.710
E 862283.891
ELEV 573.95
STA. 2204+19.83
50.8' LT



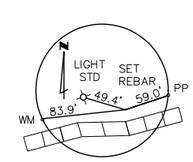
REFERENCE TIE
CONTROL POINT #119
REBAR W/ CAP IN GRASS ON S SIDE OF MO 366 AT NE CORNER OF #8254
N 995231.181
E 863773.599
ELEV 555.53
STA. 2219+17.93
63.96' RT



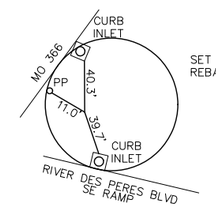
REFERENCE TIE
CONTROL POINT #120
REBAR W/ CAP IN GRASS ON N SIDE OF OF MO 366 IN FRONT OF #7809
N 996617.305
E 866902.993
ELEV 537.619
STA. 2254+43.29
43.16' LT



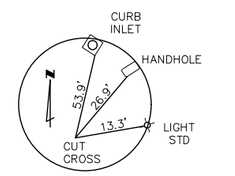
REFERENCE TIE
CONTROL POINT #121
REBARD W/CAP IN GRASS ON N SIDE OF MO 366 IN FRONT #7737
N 997582.159
E 867903.775
ELEV 466.688
STA. 2268+34.56
38.60' LT



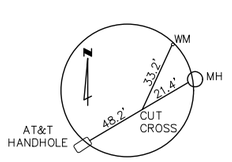
REFERENCE TIE
CONTROL POINT #122
REBAR W/ CAP IN GRASS ON N SIDE OF MO 366 IN FRONT OF #7237
N 1001560.784
E 872387.184
ELEV 484.453
STA. 2330+02.86
46.34' LT



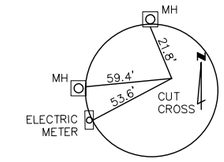
REFERENCE TIE
CONTROL POINT #123
REBARD W/CAP IN GRASS ON S SIDE OF EB MO 366 ON E SIDE OF RAMP TO RIVER DES PERES BLVD WEST
N 1002522.653
E 873582.130
ELEV 430.189



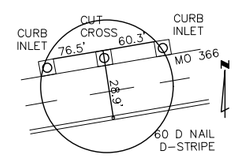
REFERENCE TIE
CONTROL POINT #200
CUT SQUARE IN WALK ON N SIDE OF MO 366 UNDERNEATH RIVER DES PERES BRIDGE
N 1002525.40
E 873444.10
ELEV 431.132



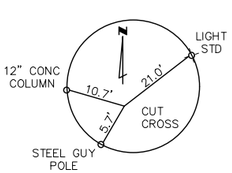
REFERENCE TIE
CONTROL POINT #201
CUT SQUARE IN WALK ON N SIDE OF MO 366 IN FRONT OF #7201
N 1001855.00
E 872745.60
ELEV 472.605
STA. 2334+86.15
43.51' LT



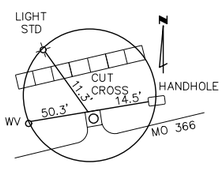
REFERENCE TIE
CONTROL POINT #202
CUT SQUARE IN WALK ON N SIDE OF MO 366 IN FRONT OF #7259 AND NEXT TO BUS STOP
N 1001181.90
E 871978.40
ELEV 477.83
STA. 2324+45.50
42.85' RT



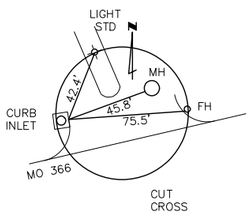
REFERENCE TIE
CONTROL POINT #203
CUT SQUARE IN WALK ON N SIDE OF MO 366 IN FRONT OF #7345
N 1000529.30
E 871244.20
ELEV 457.408
STA. 2314+56.77
44.90' LT



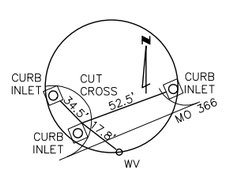
REFERENCE TIE
CONTROL POINT #204
CUT SQUARE IN SHOULDER ON N SIDE OF MO 366 ON E SIDE OF E ENTRANCE TO KENDRICK PLAZA
#7437
N 1000200.80
E 870188.80
ELEV 456.917
STA. 2303+28.20
50.67' LT



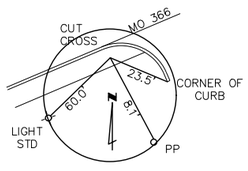
REFERENCE TIE
CONTROL POINT #205
SQUARE CUT IN CURB INLET ON N SIDE OF MO 366 IN FRONT OF #7505 LEFT TO BUS STOP 8710
N 999549.10
E 869396.30
ELEV 484.322
STA. 2293+10.75
46.98' LT



REFERENCE TIE
CONTROL POINT #206
SQUARE CUT IN CURB INLET ON N SIDE OF MO 366 AND W OF ENTRANCE FOR #7655
N 998716.30
E 868776.30
ELEV 493.63
STA. 2282+72.52
51.56' LT



REFERENCE TIE
CONTROL POINT #207
SQUARE CUT IN CURB INLET ON THE W SIDE OF INTERSECTION OF MO 366 AND RAVENSRIDGE DR
N 997877.10
E 868161.30
ELEV 466.607
STA. 2272+29.75
43.27' LT



REFERENCE TIE
CONTROL POINT #208
SQUARE CUT IN ASPHALT WALK IN S SIDE OF MO 366 AT NW CORNER OF #7800
N 996966.10
E 867383.80
ELEV 511.11
STA. 2260+31.36
40.60 RT

DISCLAIMER
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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/24/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	156

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.	DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

SHEET 1 OF 2

REFERENCE POINT SHEET

ROUTE 366
WATSON ROAD

DISCLAIMER
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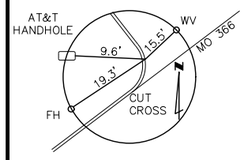
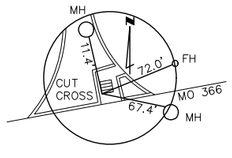
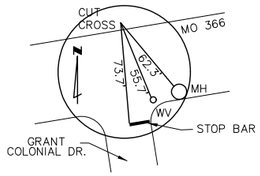


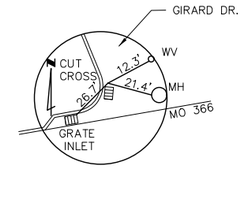
REFERENCE TIE
CONTROL POINT #209
SQUARE CUT NEXT TO GRATE INLET ON N SIDE OF MO 366 AND W SIDE OF PEMBROKE DR
N 996267.40
E 866555.30
ELEV 531.205
STA. 2249+50.11
33.55' LT



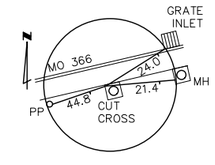
REFERENCE TIE
CONTROL POINT #210
SQUARE CUT NEXT TO GRATE INLET IN MEDIAN OF ENTRANCE FOR # 8021 ON N SIDE OF MO 366
N 995736.00
E 865646.80
ELEV 517.232
STA. 2238+54.92
45.56' LT



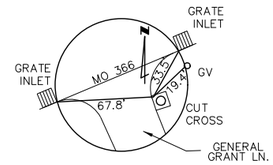
REFERENCE TIE
CONTROL POINT #211
SQUARE CUT IN WALK ON N SIDE OF 366 IN FRONT OF #546
N 995487.80
E 864535.40
ELEV 545.13
STA. 2227+16.23
30.39' LT



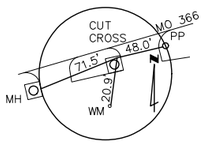
REFERENCE TIE
CONTROL POINT #212
SQUARE CUT NEXT TO GRATE INLET ON N SIDE OF MO 366 AND W SIDE OF GIRARD DR
N 995317.20
E 863663.70
ELEV 558.531
STA. 2218+28.08
42.83' LT



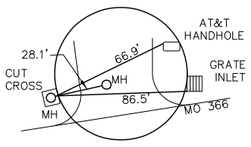
REFERENCE TIE
CONTROL POINT #213
SQUARE CUT IN MH ON S SIDE OF MO 366 AND W SIDE OF CHESHIRE LN IN FRONT OF #8352
N 995032.50
E 862739.60
ELEV 591.816
STA. 2208+65.22
45.70' RT



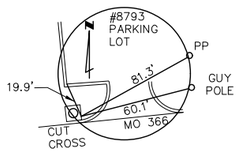
REFERENCE TIE
CONTROL POINT #214
SQUARE CUT IN MH ON S SIDE OF MO 366 AND E SIDE OF GENERAL GRANT LN
N 994822.70
E 861794.20
ELEV 591.816
STA. 2198+96.89
57.38' RT



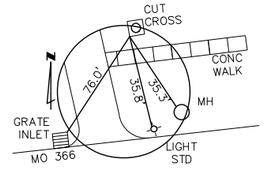
REFERENCE TIE
CONTROL POINT #215
SQUARE CUT IN MH IN S SIDE OF MO 366 IN FRONT OF #8562
N 994643.00
E 860831.60
ELEV 600.974
STA. 2189+17.89
36.07' RT



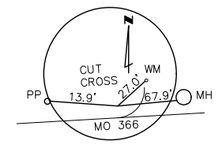
REFERENCE TIE
CONTROL POINT #216
SQUARE CUT IN MH ON N SIDE OF MO 366 IN FRONT OF #8711
N 994503.20
E 859776.50
ELEV 579.921
STA. 2178+56.53
43.24' LT



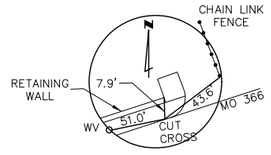
REFERENCE TIE
CONTROL POINT #217
SQUARE CUT IN MH ON N SIDE OF MO 366 IN FRONT OF #8793
N 994162.40
E 858774.80
ELEV 601.231
STA. 2168+04.88
34.41' LT



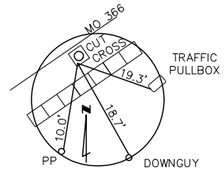
REFERENCE TIE
CONTROL POINT #218
SQUARE CUT IN MH ON N SIDE OF MO 366 AND E SIDE OF ENTRANCE TO #9005
N 993698.40
E 857777.00
ELEV 541.996
STA. 2157+06.35
82.06' LT



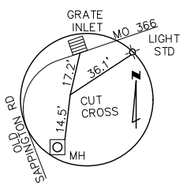
REFERENCE TIE
CONTROL POINT #219
SQUARE CUT IN WALK ON N SIDE OF MO 366 IN FRONT OF #9109
N 993219.80
E 856950.70
ELEV 539.202
STA. 2147+52.44
38.70' LT



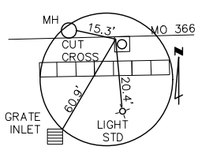
REFERENCE TIE
CONTROL POINT #220
SQUARE CUT IN WALK ON N SIDE OF MO 366 IN FRONT OF #9291
N 992725.20
E 855984.00
ELEV 601.355
STA. 2136+66.58
45.92' LT



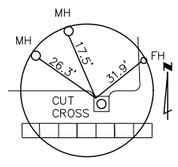
REFERENCE TIE
CONTROL POINT #221
SQUARE CUT IN MH ON S SIDE OF MO 366 AND W SIDE OF ENTRANCE FOR #9540
N 992204.00
E 855206.10
ELEV 612.11
STA. 2127+35.95
57.57' RT



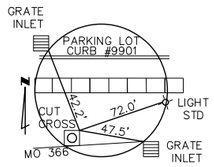
REFERENCE TIE
CONTROL POINT #222
SQUARE CUT IN WALK ON S SIDE OF MO 366 AND E SIDE OF OLD SAPPINGTON RD
N 991826.30
E 854220.50
ELEV 619.29
STA. 2116+90.71
49.79' RT



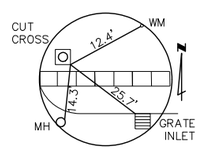
REFERENCE TIE
CONTROL POINT #223
SQUARE CUT IN MH ON N SIDE OF MO 366 IN FRONT OF #9712
N 991703.70
E 853007.60
ELEV 631.284
STA. 2104+76.65
46.06' RT



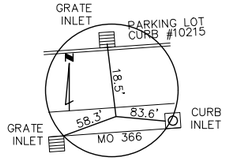
REFERENCE TIE
CONTROL POINT #224
SQUARE CUT IN MH ON N SIDE OF MO 366 IN FRONT OF #9819
N 991724.40
E 852010.20
ELEV 627.804
STA. 2094+84.99
62.73' LT



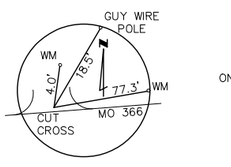
REFERENCE TIE
CONTROL POINT #225
SQUARE CUT IN MH ON N SIDE OF MO 366 IN FRONT OF #9901
N 991605.40
E 850967.40
ELEV 627.238
STA. 2084+35.75
36.38' LT



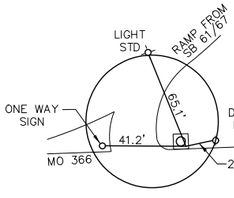
REFERENCE TIE
CONTROL POINT #226
SQUARE CUT IN MH ON N SIDE OF MO 366 IN FRONT OF #9955
N 991529.30
E 849932.60
ELEV 651.047
STA. 2073+98.27
52.06' LT



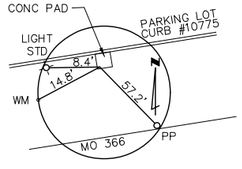
REFERENCE TIE
CONTROL POINT #227
SQUARE CUT IN ASPHALT WALK ON N SIDE OF MO 366 IN FRONT OF #10215
N 991418.40
E 848863.40
ELEV 646.784
STA. 2063+23.45
36.12' LT



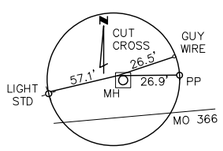
REFERENCE TIE
CONTROL POINT #228
SQUARE CUT IN DRIVEWAY FOR #10425 ON N SIDE OF MO 366
N 991330.90
E 847758.40
ELEV 648.049
STA. 2052+15.05
46.65' LT



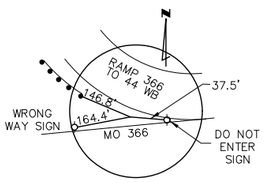
REFERENCE TIE
CONTROL POINT #229
SQUARE CUT IN MH ON E SIDE OF MERGING POINT OF RAMP FROM SB 61 / 67 ONTO MO 366
N 991238.40
E 846685.10
ELEV 668.417
STA. 2041+37.77
49.39' LT



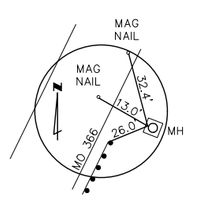
REFERENCE TIE
CONTROL POINT #230
SQUARE CUT IN CONC PAD FOR TRANSFORMER ON N SIDE OF MO 366 IN FRONT OF #10775
N 991112.10
E 845700.00
ELEV 663.912
STA. 2031+60.26
101.26' LT



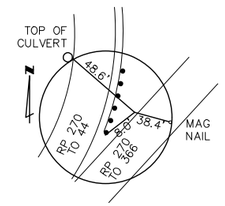
REFERENCE TIE
CONTROL POINT #231
SQUARE CUT IN MH ON N SIDE OF MO 366 IN FRONT OF PARKING LOT FOR #10825
N 990799.40
E 844876.40
ELEV 651.915
STA 2022+80.62
52.86' LT



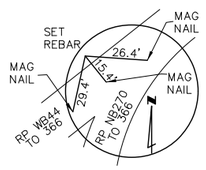
REFERENCE TIE
CONTROL POINT #232
SQUARE CUT IN CONCRETE ON W SIDE OF INTERSECTION OF 366 AND RAMP 366 TO WB 44
N 990438.60
E 843891.30
ELEV 603.316
STA. 2012+32.51
7.57' LT



REFERENCE TIE
CONTROL POINT #233
SQUARE CUT IN INLET ON S SIDE OF MO 366 AND W OF EXIT TO EB 44
N 988972.50
E 841621.50
ELEV 492.343



REFERENCE TIE
CONTROL POINT #234
SQUARE CUT IN CONCRETE ON S SIDE OF RAMP NB 270 TO EB 44 AND N SIDE OF RAMP 270 NB TO MO 366
N 989650.20
E 842484.60
ELEV 518.201



REFERENCE TIE
CONTROL POINT #235
REBAR W/ CAP IN GRASS ON N SIDE OF RAMP WB44 TO 366 NEAR TO INTERSECTION W/ RAMP NB 270 TO 366
N 990156.10
E 843113.40
ELEV 558.009
STA. 2004+03.91
8.41' RT

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/24/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	157

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

SHEET 2 OF 2

REFERENCE POINT SHEET

ROUTE 366
WATSON ROAD

SCALE

0 100 200 300

CURVE RTE366_1	
PI	2003+54.54
PC	2000+00.00
PT	2007+04.65
Δ	15° 40′ 44.5″ (RT)
D	2° 13′ 30.3″
L	704.65′
T	354.54′
R	2,575.00′

CURVE 44ON_3	
PI	4+80.37
PC	2+57.10
PT	6+94.03
Δ	29° 03′ 44.1″ (LT)
D	6° 39′ 05.4″
L	436.93′
T	223.27′
R	861.40′

CURVE CRAGWOLD_3	
PI	3+73.12
PC	3+07.62
PT	4+15.30
Δ	82° 15′ 45.3″ (RT)
D	76° 23′ 39.7″
L	107.68′
T	65.50′
R	75.00′

COORDINATE SYSTEM: MISSOURI STATE PLANE
(MODIFIED TO GROUND)
ZONE: MO EAST 2401
HORIZONTAL DATUM: NAD83
VERTICAL DATUM: NAVD88

PROJECTION FACTOR = 1.0000878

NOTE:
THE PROJECTION FACTOR IS USED AS A MULTIPLIER FROM STATE PLANE DISTNACES TO GROUND DISTANCES. THE FACTOR WAS APPLIED FROM COORDINATE 0.0.

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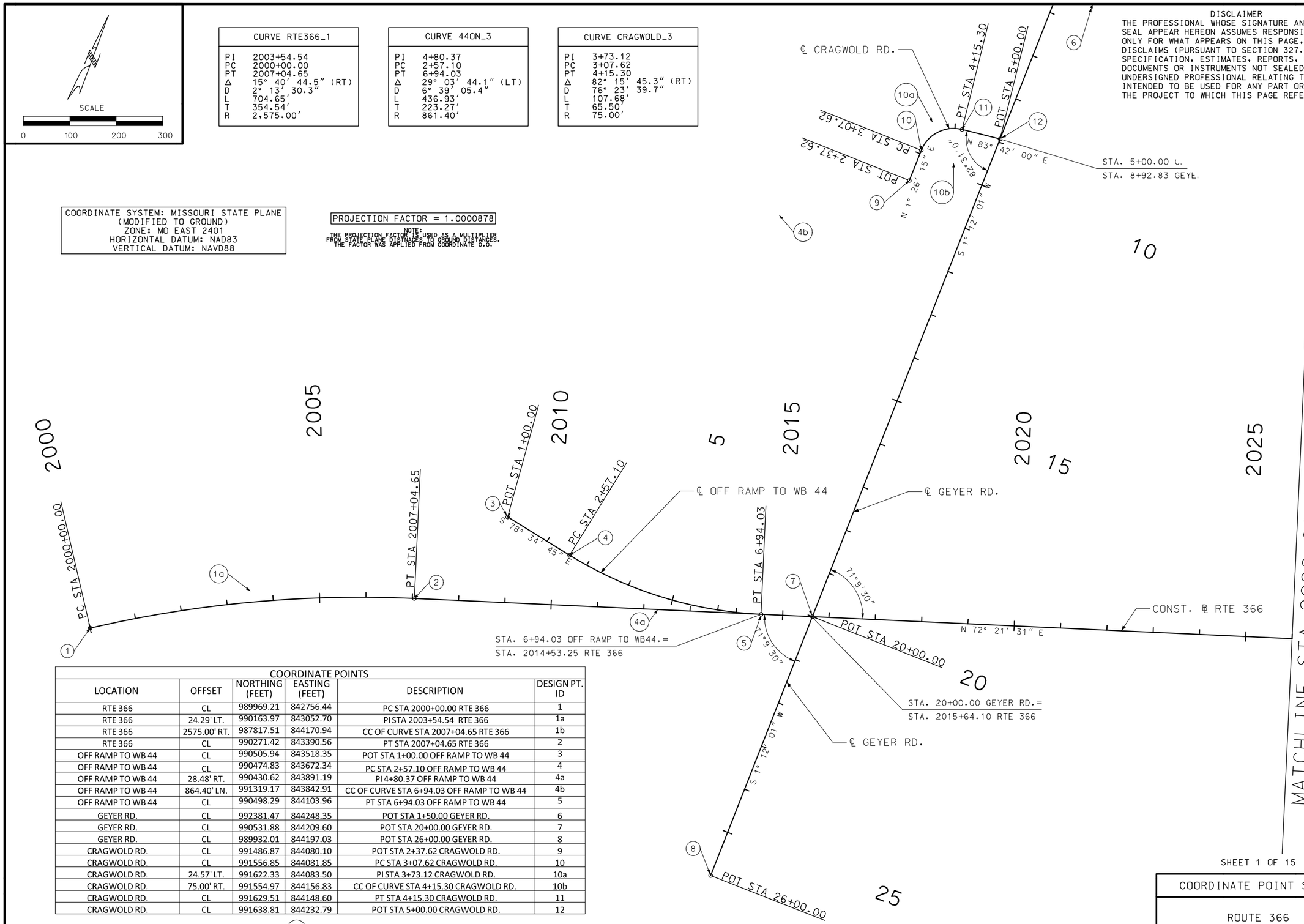

COORDINATE POINTS					
LOCATION	OFFSET	NORTHING (FEET)	EASTING (FEET)	DESCRIPTION	DESIGN PT. ID
RTE 366	CL	989969.21	842756.44	PC STA 2000+00.00 RTE 366	1
RTE 366	24.29' LT.	990163.97	843052.70	PI STA 2003+54.54 RTE 366	1a
RTE 366	2575.00' RT.	987817.51	844170.94	CC OF CURVE STA 2007+04.65 RTE 366	1b
RTE 366	CL	990271.42	843390.56	PT STA 2007+04.65 RTE 366	2
OFF RAMP TO WB 44	CL	990505.94	843518.35	POT STA 1+00.00 OFF RAMP TO WB 44	3
OFF RAMP TO WB 44	CL	990474.83	843672.34	PC STA 2+57.10 OFF RAMP TO WB 44	4
OFF RAMP TO WB 44	28.48' RT.	990430.62	843891.19	PI 4+80.37 OFF RAMP TO WB 44	4a
OFF RAMP TO WB 44	864.40' LN.	991319.17	843842.91	CC OF CURVE STA 6+94.03 OFF RAMP TO WB 44	4b
OFF RAMP TO WB 44	CL	990498.29	844103.96	PT STA 6+94.03 OFF RAMP TO WB 44	5
GEYER RD.	CL	992381.47	844248.35	POT STA 1+50.00 GEYER RD.	6
GEYER RD.	CL	990531.88	844209.60	POT STA 20+00.00 GEYER RD.	7
GEYER RD.	CL	989932.01	844197.03	POT STA 26+00.00 GEYER RD.	8
CRAGWOLD RD.	CL	991486.87	844080.10	POT STA 2+37.62 CRAGWOLD RD.	9
CRAGWOLD RD.	CL	991556.85	844081.85	PC STA 3+07.62 CRAGWOLD RD.	10
CRAGWOLD RD.	24.57' LT.	991622.33	844083.50	PI STA 3+73.12 CRAGWOLD RD.	10a
CRAGWOLD RD.	75.00' RT.	991554.97	844156.83	CC OF CURVE STA 4+15.30 CRAGWOLD RD.	10b
CRAGWOLD RD.	CL	991629.51	844148.60	PT STA 4+15.30 CRAGWOLD RD.	11
CRAGWOLD RD.	CL	991638.81	844232.79	POT STA 5+00.00 CRAGWOLD RD.	12

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/24/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	158

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
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ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

SHEET 1 OF 15

COORDINATE POINT SHEET

ROUTE 366
WATSON ROAD

SCALE
0 100 200 300

"SEE NEXT SHEET FOR LIST OF COORDINATE POINTS."

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED 7/24/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 159
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ENGINEERING CORPORATION - 000631
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REV.

MATCHLINE STA. 2026+00.00

MATCHLINE STA. 2053+00.00

℄ SUNSET OFFICE DR.

POT STA 0+05.00
S 17° 35′ 49″ E
POT STA 2+52.50
S 17° 35′ 49″ E
STA. 5+00.00 SUNSETT OFFICE DR.= STA. 2033+59.95 RTE 366
PC STA 2032+45.61
POT STA 5+00.00
CONST. ℄ RTE 366
POT STA 5+00.00
S 15° 50′ 30″ E
POT STA 6+25.00
STA. 5+00.00 SUNSETT OFFICE DR.= STA. 2033+36.79 RTE 366
℄ SUNSET OFFICE DR.
S 15° 50′ 30″ E
POT STA 7+50.00

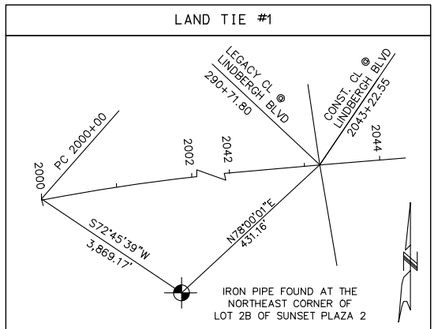
2030 2035 2040 2045 2050

500 505 600 605 700 705 800 805 008

POT STA 500+00.00
S 3° 54′ 39″ W
PC STA 502+03.50
℄ ON RAMP TO WB WATSON RD.
PT STA 2038+82.47
PT STA 507+29.63
S 80° 13′ 43″ W
POT STA 509+49.81
PC STA 600+00.00
℄ OFF RAMP FROM EB WATSON RD.
PT STA 606+10.10
POT STA 606+50.00
S 0° 28′ 21″ E
PC STA 800+00.00

℄ OFF RAMP FROM WB WATSON RD.
PT STA 706+92.79
PC STA 701+83.61
POT STA 700+00.00
N 89° 24′ 20″ W
N 37° 07′ 13″ E
PC STA 804+96.66
PT STA 803+94.58
PCC STA 806+99.81
PT STA 808+71.96
℄ ON RAMP TO EB WATSON RD.

LAND TIE #1



LAND CORNER TIE:
IRON PIPE FOUND AT THE NORTHEAST CORNER OF LOT 2B OF SUNSET PLAZA 2 PB 349, PG 46 OF THE ST LOUIS COUNTY RECORDERS OFFICE, ST LOUIS COUNTY, MISSOURI. 3,869.17 FEET NORTHEAST OF BASELINE STATION 2000+00.00 AND 431.16 FEET SOUTHWEST OF BASELINE STATION 2043+22.55
PROJECT COORDINATES
N: 991115.8930 E: 846451.7810

CURVE RTE366_4	
PI	2035+65.32
PC	2032+45.61
PT	2038+82.47
Δ	12° 34′ 10.3″ (RT)
D	1° 58′ 25.3″
L	636.85′
T	319.71′
R	2,902.98′

CURVE WATSON_WBON_3	
PI	505+13.87
PC	502+03.50
PT	507+29.63
Δ	76° 19′ 03.8″ (RT)
D	14° 30′ 18.9″
L	526.14′
T	310.38′
R	395.00′

CURVE WATSON_EBOFF_1	
PI	603+98.01
PC	600+00.00
PT	606+10.10
Δ	93° 42′ 59.4″ (RT)
D	15° 21′ 38.9″
L	610.10′
T	398.01′
R	373.00′

CURVE WATSON_WBOFF_3	
PI	705+07.29
PC	701+83.61
PT	706+92.79
Δ	89° 45′ 55.5″ (RT)
D	17° 37′ 46.1″
L	509.18′
T	323.67′
R	325.00′

CURVE WATSON_EBON_1	
PI	802+04.35
PC	800+00.00
PT	803+94.58
Δ	36° 45′ 37.9″ (RT)
D	9° 18′ 59.0″
L	394.58′
T	204.35′
R	615.00′

CURVE WATSON_EBON_4	
PI	806+02.30
PC	804+96.66
PCC	806+99.81
Δ	7° 53′ 42.1″ (RT)
D	19° 05′ 54.9″
L	172.15′
T	86.21′
R	300.00′

CURVE WATSON_EBON_5	
PI	807+86.02
PCC	806+99.81
PT	808+71.96
Δ	4° 35′ 09.6″
D	4° 35′ 09.6″
L	172.15′
T	86.21′
R	1,249.36′

SHEET 2 OF 15

COORDINATE POINT SHEET

ROUTE 366
WATSON ROAD

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/24/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	160

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

COORDINATE POINTS

LOCATION	OFFSET	NORTHING (FEET)	EASTING (FEET)	DESCRIPTION	DESIGN PT. ID
RTE 366	CL	991041.47	845812.03	PC STA 2032+45.61 RTE 366	13
RTE 366	17.55' LT.	991138.36	846116.71	PI STA 2035+65.32 RTE 366	13a
RTE 366	2902.98' RT.	988275.01	846691.80	CC OF CURVE 2038+82.47 RTE 366	13b
RTE 366	CL	991166.63	846435.16	PT STA 2038+82.47 RTE 366	14
SUNSET OFFICE DR.	CL	991545.81	845771.99	POT STA 0+05.00 SUNSET OFFICE DR.	15
SUNSET OFFICE DR.	CL	991309.89	845846.82	POT STA 2+52.50 SUNSET OFFICE DR.	16
SUNSET OFFICE DR.	CL	991073.97	845921.64	POT STA 5+00.00 SUNSET OFFICE DR.	17
SUNSET OFFICE DR.	CL	991067.74	845899.34	POT STA 5+00.00 SUNSET OFFICE DR.	18
SUNSET OFFICE DR.	CL	990947.48	845933.46	POT STA 6+25.00 SUNSET OFFICE DR.	19
SUNSET OFFICE DR.	CL	990827.23	845967.58	POT STA 7+50.00 SUNSET OFFICE DR.	20
ON RAMP WB WATSON.	CL	991789.08	846844.80	POT STA 500+00.00 ON RAMP WB WATSON RD.	21
ON RAMP WB WATSON.	CL	991586.06	846830.92	PC STA 502+03.50 ON RAMP WB WATSON RD.	22
ON RAMP WB WATSON.	107.36' LT.	991276.40	846809.75	PI STA 505+13.88 ON RAMP WB WATSON RD.	22a
ON RAMP WB WATSON.	395.00' RT.	991613.00	846436.84	CC OF CURVE 507+29.63 ON RAMP WB WATSON RD.	22b
ON RAMP WB WATSON.	CL	991223.73	846503.88	PT STA 507+29.63 ON RAMP WB WATSON RD.	23
ON RAMP WB WATSON.	CL	991186.36	846286.89	POT STA 509+49.81 ON RAMP WB WATSON RD.	24
OFF RAMP EB WATSON RD.	CL	991125.68	846426.97	PC STA 600+00.00 OFF RAMP EB WATSON RD.	25
OFF RAMP EB WATSON RD.	172.47' LT.	991154.75	846823.92	PI STA 603+98.01 OFF RAMP EB WATSON RD.	25a
OFF RAMP EB WATSON RD.	373.00' RT.	990753.68	846454.22	CC OF CURVE 606+10.10 OFF RAMP EB WATSON RD.	25b
OFF RAMP EB WATSON RD.	CL	990756.75	846827.20	PT STA 606+10.10 OFF RAMP EB WATSON RD.	26
OFF RAMP EB WATSON RD.	CL	990716.85	846827.53	POT STA 606+50.00 OFF RAMP EB WATSON RD.	27
OFF RAMP WB WATSON RD.	CL	991284.76	847424.68	POT STA 700+00.00 OFF RAMP WB WATSON RD.	28
OFF RAMP WB WATSON RD.	CL	991286.67	847241.08	PC STA 701+83.61 OFF RAMP WB WATSON RD.	29
OFF RAMP WB WATSON RD.	133.68' LT.	991290.03	846917.43	PI STA 705+07.28 OFF RAMP WB WATSON RD.	29a
OFF RAMP WB WATSON RD.	324.94' RT.	991611.65	847244.45	CC OF CURVE 706+92.79 OFF RAMP WB WATSON RD.	29b
OFF RAMP WB WATSON RD.	CL	991613.69	846919.46	PT STA 706+92.79 OFF RAMP WB WATSON RD.	30
ON RAMP EB WATSON RD.	CL	990634.72	846911.59	PC STA 800+00.00 ON RAMP EB WATSON RD.	31
ON RAMP EB WATSON RD.	33.06' LT.	990839.07	846912.87	PI STA 802+04.35 ON RAMP EB WATSON RD.	31a
ON RAMP EB WATSON RD.	599.35' RT.	990630.86	847526.58	CC OR CURVE 803+94.58 ON RAMP EB WATSON RD.	31b
ON RAMP EB WATSON RD.	CL	991002.00	847036.20	PT STA 803+94.58 ON RAMP EB WATSON RD.	32
ON RAMP EB WATSON RD.	CL	991083.41	847097.80	PC STA 804+96.66 ON RAMP EB WATSON RD.	33
ON RAMP EB WATSON RD.	18.06' LT.	991167.64	847161.56	PI STA 806+02.30 ON RAMP EB WATSON RD.	33a
ON RAMP EB WATSON RD.	300.00' RT.	990902.36	847337.01	CC OF CURVE 806+99.81 ON RAMP EB WATSON RD.	33b
ON RAMP EB WATSON RD.	CL	991193.39	847264.21	PCC 806+99.81 ON RAMP EB WATSON RD.	34
ON RAMP EB WATSON RD.	2.97' LT.	991214.32	847347.65	PI STA 807+86.02 ON RAMP EB WATSON RD.	34a
ON RAMP EB WATSON RD.	660.50' RT.	989981.53	847568.00	CC OF CURVE 808+71.96 ON RAMP EB WATSON RD.	34b
ON RAMP EB WATSON RD.	CL	991223.61	847433.36	PT STA 808+71.96 ON RAMP EB WATSON RD.	35

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

SHEET 3 OF 15

COORDINATE POINT SHEET

ROUTE 366
WATSON ROAD

SCALE

0 100 200 300

CURVE STURDY_3	
PI	4+43.22
PC	4+05.98
PT	4+70.00
Δ	73° 21′ 26.0″ (LT)
D	114° 35′ 29.6″
L	64.02′
T	37.24′
R	50.00′

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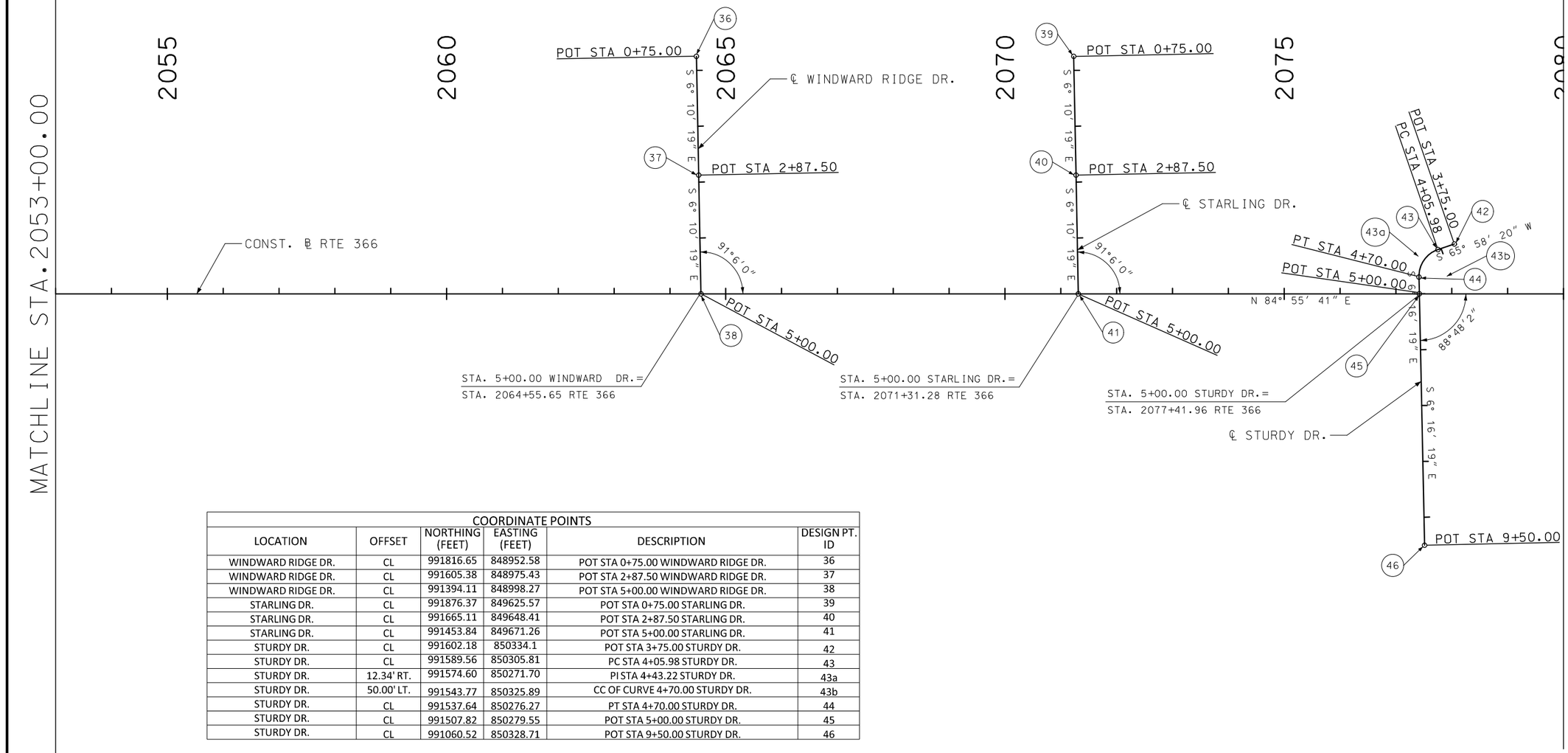

COORDINATE POINTS					
LOCATION	OFFSET	NORTHING (FEET)	EASTING (FEET)	DESCRIPTION	DESIGN PT. ID
WINDWARD RIDGE DR.	CL	991816.65	848952.58	POT STA 0+75.00 WINDWARD RIDGE DR.	36
WINDWARD RIDGE DR.	CL	991605.38	848975.43	POT STA 2+87.50 WINDWARD RIDGE DR.	37
WINDWARD RIDGE DR.	CL	991394.11	848998.27	POT STA 5+00.00 WINDWARD RIDGE DR.	38
STARLING DR.	CL	991876.37	849625.57	POT STA 0+75.00 STARLING DR.	39
STARLING DR.	CL	991665.11	849648.41	POT STA 2+87.50 STARLING DR.	40
STARLING DR.	CL	991453.84	849671.26	POT STA 5+00.00 STARLING DR.	41
STURDY DR.	CL	991602.18	850334.1	POT STA 3+75.00 STURDY DR.	42
STURDY DR.	CL	991589.56	850305.81	PC STA 4+05.98 STURDY DR.	43
STURDY DR.	12.34' RT.	991574.60	850271.70	PI STA 4+43.22 STURDY DR.	43a
STURDY DR.	50.00' LT.	991543.77	850325.89	CC OF CURVE 4+70.00 STURDY DR.	43b
STURDY DR.	CL	991537.64	850276.27	PT STA 4+70.00 STURDY DR.	44
STURDY DR.	CL	991507.82	850279.55	POT STA 5+00.00 STURDY DR.	45
STURDY DR.	CL	991060.52	850328.71	POT STA 9+50.00 STURDY DR.	46

SHEET 4 OF 15

COORDINATE POINT SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/24/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	161

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

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REV.

SCALE

0 100 200 300

CURVE GLENWOOD_5	
PI	5+64.55
PC	5+25.00
PT	6+02.34
Δ	29° 32′ 33.7″ (LT)
D	38° 11′ 49.9″
L	77.34′
T	39.55′
R	150.00′

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MATCHLINE STA. 2080+00.00

2080 2085 2090 2095 2100

MATCHLINE STA. 2104+00.00

CONST. ℄ RTE 366

℄ GLENWOOD DR.

47 POT STA 3+00.00

STA. 5+00.00 GLENWOOD RD.=
STA. 2098+79.39 RTE 366

POT STA 5+00.00

90°0'0"

S 5° 04' 19" E

PC STA 5+25.00

48

49b

49a

49

50

PT STA 6+02.34

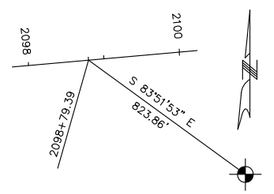
S 32° 53' 49" E

51

POT STA 7+00.00

COORDINATE POINTS					
LOCATION	OFFSET	NORTHING (FEET)	EASTING (FEET)	DESCRIPTION	DESIGN PT. ID
GLENWOOD DR.	CL	991896.00	852390.92	POT STA 3+00.00 GLENWOOD DR.	47
GLENWOOD DR.	CL	991696.78	852408.6	POT STA 5+00.00 GLENWOOD DR.	48
GLENWOOD DR.	CL	991671.88	852410.81	PC STA 5+25.00 GLENWOOD DR.	49
GLENWOOD DR.	5.13' RT.	991632.4	852413.17	PI STA 5+64.55 GLENWOOD DR.	49a
GLENWOOD DR.	150.00' LT.	991680.79	852560.55	CC OF CURVE STA 6+02.34 GLENWOOD DR.	49b
GLENWOOD DR.	CL	991599.21	852434.68	PT STA 6+02.34 GLENWOOD DR.	50
GLENWOOD DR.	CL	991517.21	852487.72	POT STA 7+00.00 GLENWOOD DR.	51

LAND TIE #2



CONCRETE MONUMENT FOUND
AT THE NORTHEAST CORNER OF
LOT 2 OF VILLA CREST ESTATES

LAND CORNER TIE:
CONCRETE MONUMENT FOUND AT THE NORTHEAST CORNER OF LOT 2 OF VILLA CREST ESTATES PB 68, PG 19 OF THE ST LOUIS COUNTY RECORDERS OFFICE, ST LOUIS COUNTY, MISSOURI.
823.86 FEET SOUTHEAST OF BASELINE STATION 2098+79.39
PROJECT COORDINATES
N: 991605.5810 E: 853192.2390

SHEET 5 OF 15

COORDINATE POINT SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/24/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	162

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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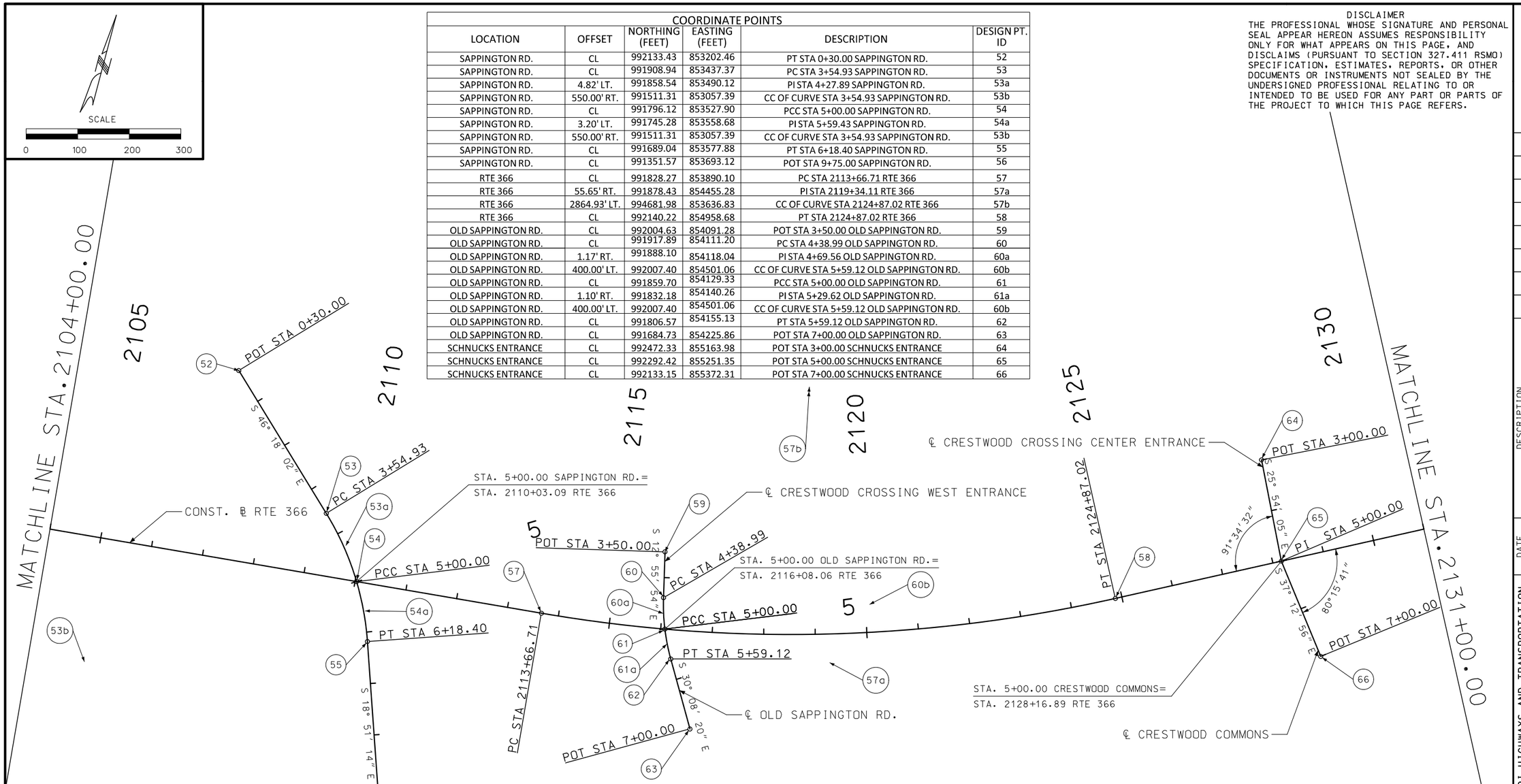
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

COORDINATE POINTS					
LOCATION	OFFSET	NORTHING (FEET)	EASTING (FEET)	DESCRIPTION	DESIGN PT. ID
SAPPINGTON RD.	CL	992133.43	853202.46	PT STA 0+30.00 SAPPINGTON RD.	52
SAPPINGTON RD.	CL	991908.94	853437.37	PC STA 3+54.93 SAPPINGTON RD.	53
SAPPINGTON RD.	4.82' LT.	991858.54	853490.12	PI STA 4+27.89 SAPPINGTON RD.	53a
SAPPINGTON RD.	550.00' RT.	991511.31	853057.39	CC OF CURVE STA 3+54.93 SAPPINGTON RD.	53b
SAPPINGTON RD.	CL	991796.12	853527.90	PCC STA 5+00.00 SAPPINGTON RD.	54
SAPPINGTON RD.	3.20' LT.	991745.28	853558.68	PI STA 5+59.43 SAPPINGTON RD.	54a
SAPPINGTON RD.	550.00' RT.	991511.31	853057.39	CC OF CURVE STA 3+54.93 SAPPINGTON RD.	53b
SAPPINGTON RD.	CL	991689.04	853577.88	PT STA 6+18.40 SAPPINGTON RD.	55
SAPPINGTON RD.	CL	991351.57	853693.12	POT STA 9+75.00 SAPPINGTON RD.	56
RTE 366	CL	991828.27	853890.10	PC STA 2113+66.71 RTE 366	57
RTE 366	55.65' RT.	991878.43	854455.28	PI STA 2119+34.11 RTE 366	57a
RTE 366	2864.93' LT.	994681.98	853636.83	CC OF CURVE STA 2124+87.02 RTE 366	57b
RTE 366	CL	992140.22	854958.68	PT STA 2124+87.02 RTE 366	58
OLD SAPPINGTON RD.	CL	992004.63	854091.28	POT STA 3+50.00 OLD SAPPINGTON RD.	59
OLD SAPPINGTON RD.	CL	991917.89	854111.20	PC STA 4+38.99 OLD SAPPINGTON RD.	60
OLD SAPPINGTON RD.	1.17' RT.	991888.10	854118.04	PI STA 4+69.56 OLD SAPPINGTON RD.	60a
OLD SAPPINGTON RD.	400.00' LT.	992007.40	854501.06	CC OF CURVE STA 5+59.12 OLD SAPPINGTON RD.	60b
OLD SAPPINGTON RD.	CL	991859.70	854129.33	PCC STA 5+00.00 OLD SAPPINGTON RD.	61
OLD SAPPINGTON RD.	1.10' RT.	991832.18	854140.26	PI STA 5+29.62 OLD SAPPINGTON RD.	61a
OLD SAPPINGTON RD.	400.00' LT.	992007.40	854501.06	CC OF CURVE STA 5+59.12 OLD SAPPINGTON RD.	60b
OLD SAPPINGTON RD.	CL	991806.57	854155.13	PT STA 5+59.12 OLD SAPPINGTON RD.	62
OLD SAPPINGTON RD.	CL	991684.73	854225.86	POT STA 7+00.00 OLD SAPPINGTON RD.	63
SCHNUCKS ENTRANCE	CL	992472.33	855163.98	POT STA 3+00.00 SCHNUCKS ENTRANCE	64
SCHNUCKS ENTRANCE	CL	992292.42	855251.35	POT STA 5+00.00 SCHNUCKS ENTRANCE	65
SCHNUCKS ENTRANCE	CL	992133.15	855372.31	POT STA 7+00.00 SCHNUCKS ENTRANCE	66



CURVE SAPPINGTON_4	
PI	4+27.89
PC	3+54.93
PCC	5+00.00
Δ	15° 06' 45.6" (RT)
D	10° 25' 02.7"
L	145.07'
T	72.96'
R	550.00'

CURVE SAPPINGTON_5	
PI	5+59.43
PCC	5+00.00
PT	6+18.40
Δ	12° 20' 01.9" (RT)
D	10° 25' 02.7"
L	118.40'
T	59.43'
R	550.00'

CURVE RTE366_7	
PI	2119+34.11
PC	2113+66.71
PT	2124+87.02
Δ	22° 24' 18.3" (LT)
D	1° 59' 59.6"
L	1,120.31'
T	567.40'
R	2,864.93'

CURVE OLDSAPPINGTON_3	
PI	4+69.56
PC	4+38.99
PCC	5+00.00
Δ	8° 44' 18.4" (LT)
D	14° 19' 26.2"
L	61.01'
T	30.56'
R	400.00'

CURVE OLDSAPPINGTON_4	
PI	5+29.62
PCC	5+00.00
PT	5+59.12
Δ	8° 28' 07.3" (LT)
D	14° 19' 26.2"
L	59.12'
T	29.62'
R	400.00'

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/24/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	163

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

SHEET 6 OF 15

COORDINATE POINT SHEET

ROUTE 366
WATSON ROAD

SCALE

0 100 200 300

CURVE WATSONIND_5	
PI	6+09.01
PC	5+61.66
PT	6+36.40
Δ	89° 13′ 29.0″ (LT)
D	119° 21′ 58.3″
L	74.75′
T	47.35′
R	48.00′

CURVE PARDEE_3	
PI	3+86.93
PC	2+67.82
PT	5+00.00
Δ	31° 31′ 23.9″ (RT)
D	13° 34′ 37.9″
L	232.18′
T	119.11′
R	422.00′

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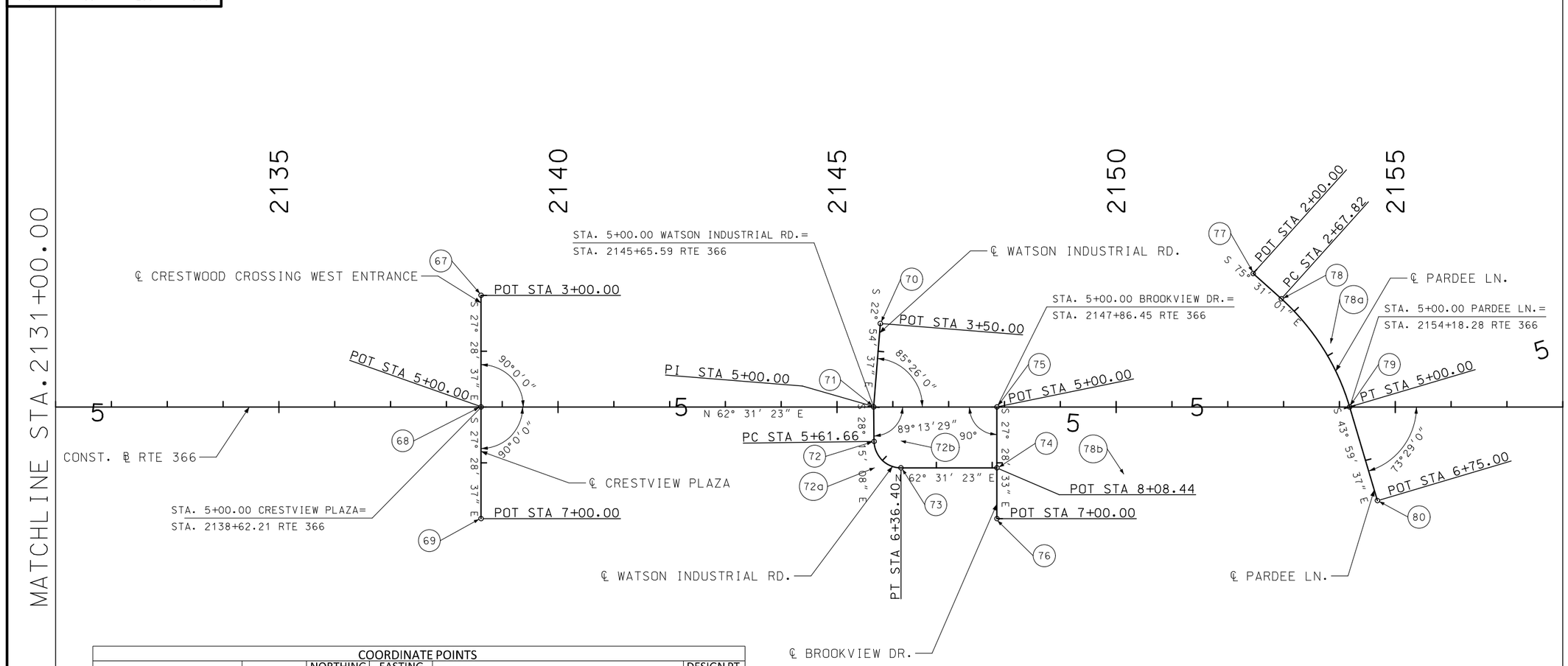

COORDINATE POINTS					
LOCATION	OFFSET	NORTHING (FEET)	EASTING (FEET)	DESCRIPTION	DESIGN PT. ID
CRESTVIEW LN.	CL	992952.16	856086.47	POT STA 3+00.00 CRESTVIEW LN.	67
CRESTVIEW LN.	CL	992774.72	856178.75	POT STA 5+00.00 CRESTVIEW LN.	68
CRESTVIEW LN.	CL	992597.28	856271.02	POT STA 7+00.00 CRESTVIEW LN.	69
WATSON INDUSTRIAL RD.	CL	993237.42	856744.39	POT STA 3+50.00 WATSON INDUSTRIAL RD.	70
WATSON INDUSTRIAL RD.	CL	993099.26	856802.78	PI STA 5+00.00 WATSON INDUSTRIAL RD.	71
WATSON INDUSTRIAL RD.	CL	993044.95	856831.97	PC STA 5+61.66 WATSON INDUSTRIAL RD.	72
WATSON INDUSTRIAL RD.	19.43' RT.	993003.23	856854.38	PI STA 6+09.01 WATSON INDUSTRIAL RD.	72a
WATSON INDUSTRIAL RD.	48.00' LT.	993067.67	856874.25	CC OF CURVE STA 6+36.40 WATSON INDUSTRIAL RD.	72b
WATSON INDUSTRIAL RD.	CL	993025.08	856896.39	PT STA 6+36.40 WATSON INDUSTRIAL RD.	73
WATSON INDUSTRIAL RD.	CL	993104.46	857049.02	POT STA 8+08.44 WATSON INDUSTRIAL RD.	74
BROOKVIEW DR.	CL	993201.16	856998.73	POT STA 5+00.00 BROOKVIEW DR.	75
BROOKVIEW DR.	CL	993023.72	857091.01	POT STA 7+00.00 BROOKVIEW DR.	76
PARDEE LN.	CL	993625.12	857295.57	POT STA 2+00.00 PARDEE LN.	77
PARDEE LN.	CL	993608.16	857361.23	PC STA 2+67.82 PARDEE LN.	78
PARDEE LN.	16.49' RT.	993578.37	857476.56	PI STA. 3+86.93 PARDEE LN.	78a
PARDEE LN.	422.00' LT.	993199.57	857255.69	CC OF CURVE STA 5+00.00 PARDEE LN.	78b
PARDEE LN.	CL	993492.68	857559.29	PT STA 5+00.00 PARDEE LN.	79
PARDEE LN.	CL	993366.78	857680.84	POT STA 6+75.00 PARDEE LN.	80

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED: 7/24/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	164

COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

SHEET 7 OF 15

COORDINATE POINT SHEET

ROUTE 366
WATSON ROAD

SCALE

0 100 200 300

CURVE GRANT_3	
PI	4+15.94
PC	3+29.83
PCC	5+00.00
Δ	21° 40′ 02.0″ (LT)
D	12° 43′ 56.6″
L	170.17′
T	86.12′
R	450.00′

CURVE GRANTRD_4	
PI	5+42.43
PCC	5+00.00
PT	5+84.61
Δ	10° 46′ 22.4″ (LT)
D	12° 43′ 56.6″
L	84.61′
T	42.43′
R	450.00′

CURVE RTE366_10	
PI	2172+40.10
PC	2167+14.96
PT	2177+58.70
Δ	15° 39′ 20.2″ (RT)
D	1° 29′ 59.8″
L	1,043.74′
T	525.14′
R	3,819.83′

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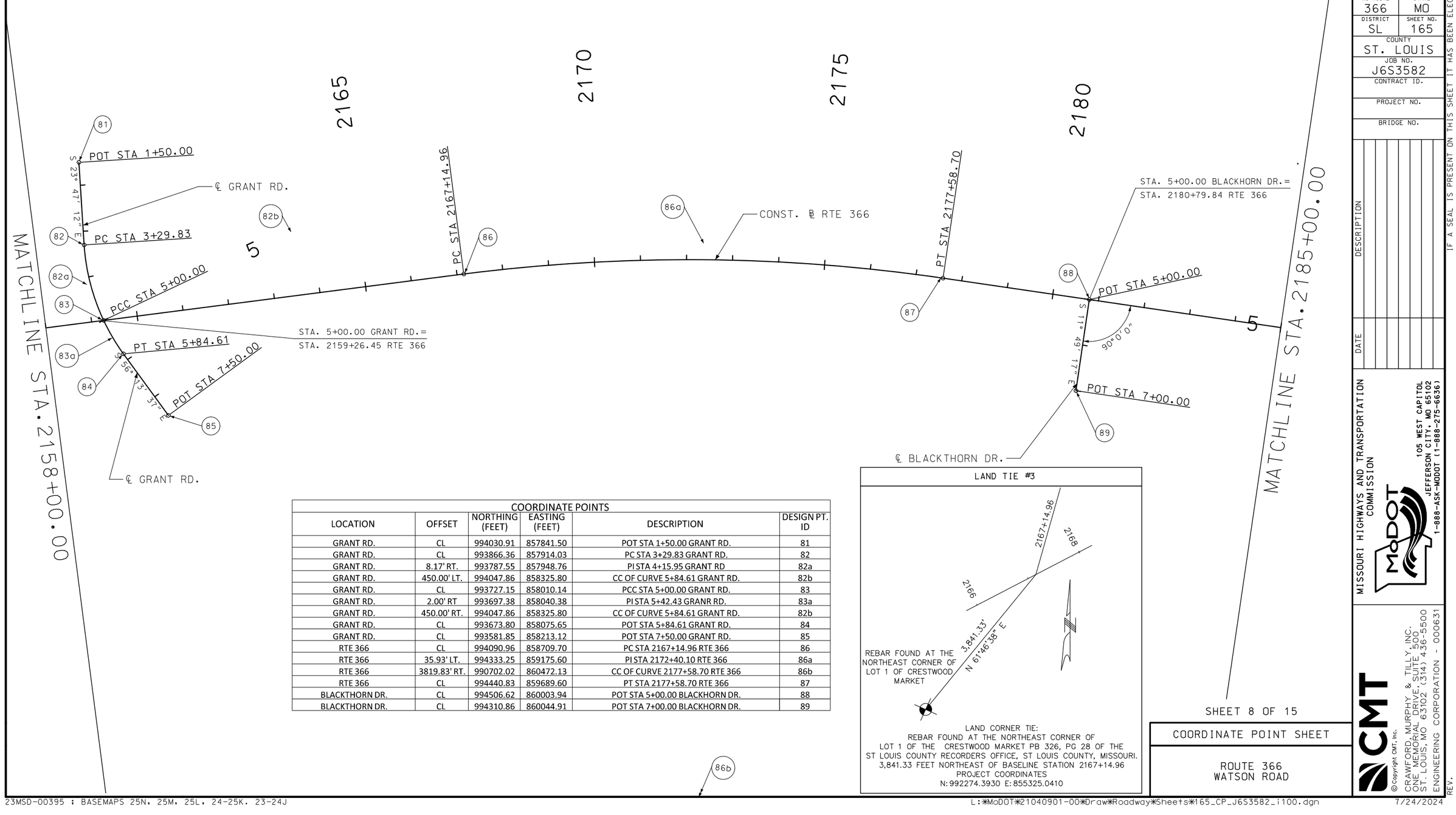

COORDINATE POINTS					
LOCATION	OFFSET	NORTHING (FEET)	EASTING (FEET)	DESCRIPTION	DESIGN PT. ID
GRANT RD.	CL	994030.91	857841.50	POT STA 1+50.00 GRANT RD.	81
GRANT RD.	CL	993866.36	857914.03	PC STA 3+29.83 GRANT RD.	82
GRANT RD.	8.17' RT.	993787.55	857948.76	PI STA 4+15.95 GRANT RD	82a
GRANT RD.	450.00' LT.	994047.86	858325.80	CC OF CURVE 5+84.61 GRANT RD.	82b
GRANT RD.	CL	993727.15	858010.14	PCC STA 5+00.00 GRANT RD.	83
GRANT RD.	2.00' RT	993697.38	858040.38	PI STA 5+42.43 GRANR RD.	83a
GRANT RD.	450.00' RT.	994047.86	858325.80	CC OF CURVE 5+84.61 GRANT RD.	82b
GRANT RD.	CL	993673.80	858075.65	POT STA 5+84.61 GRANT RD.	84
GRANT RD.	CL	993581.85	858213.12	POT STA 7+50.00 GRANT RD.	85
RTE 366	CL	994090.96	858709.70	PC STA 2167+14.96 RTE 366	86
RTE 366	35.93' LT.	994333.25	859175.60	PI STA 2172+40.10 RTE 366	86a
RTE 366	3819.83' RT.	990702.02	860472.13	CC OF CURVE 2177+58.70 RTE 366	86b
RTE 366	CL	994440.83	859689.60	PT STA 2177+58.70 RTE 366	87
BLACKTHORN DR.	CL	994506.62	860003.94	POT STA 5+00.00 BLACKHORN DR.	88
BLACKTHORN DR.	CL	994310.86	860044.91	POT STA 7+00.00 BLACKHORN DR.	89

LAND TIE #3

LAND CORNER TIE:
REBAR FOUND AT THE NORTHEAST CORNER OF LOT 1 OF THE CRESTWOOD MARKET PB 326, PG 28 OF THE ST LOUIS COUNTY RECORDERS OFFICE, ST LOUIS COUNTY, MISSOURI.
3,841.33 FEET NORTHEAST OF BASELINE STATION 2167+14.96
PROJECT COORDINATES
N: 992274.3930 E: 855325.0410

SHEET 8 OF 15

COORDINATE POINT SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/24/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	165

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

SCALE

0 100 200 300

CURVE ELM_5	
PI	7+13.09
PC	6+03.72
PT	8+15.28
Δ	35° 49′ 57.0″ (LT)
D	16° 56′ 16.4″
L	211.55′
T	109.36′
R	338.27′

CURVE GENGRANT_3	
PI	6+05.05
PC	5+50.00
PT	6+51.41
Δ	55° 20′ 04.2″ (LT)
D	54° 34′ 02.7″
L	101.41′
T	55.05′
R	105.00′

CURVE OLDWATSON_3	
PI	4+32.51
PC	4+13.51
PT	4+48.98
Δ	50° 48′ 21.3″ (RT)
D	143° 14′ 22.0″
L	35.47′
T	19.00′
R	40.00′

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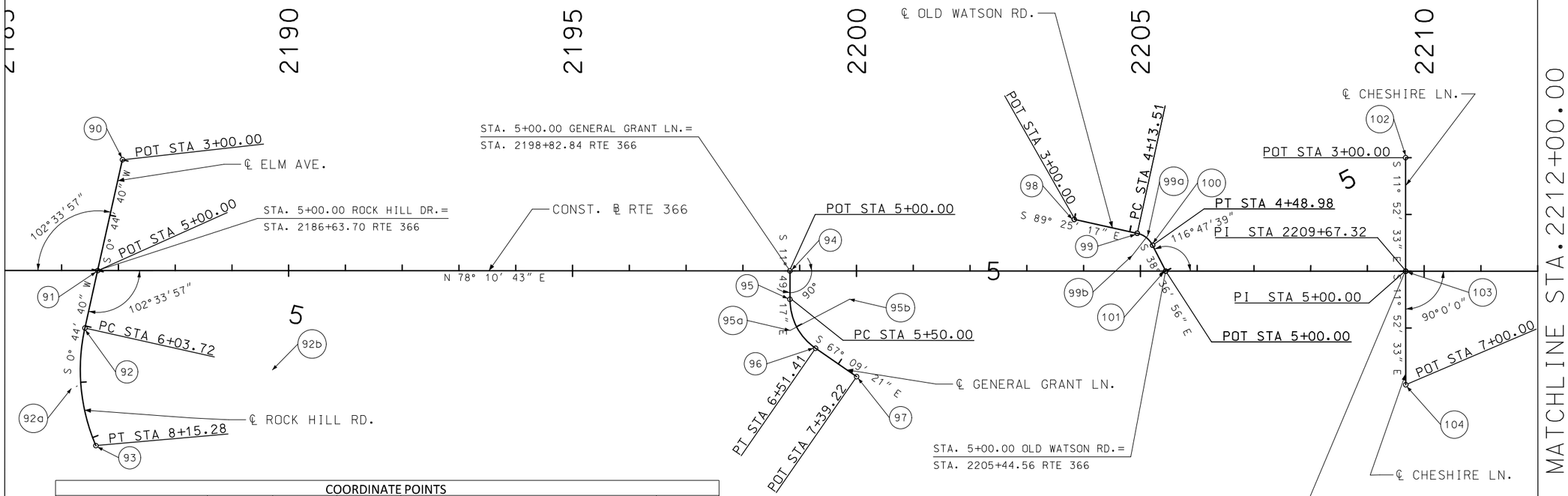

COORDINATE POINTS					
LOCATION	OFFSET	NORTHING (FEET)	EASTING (FEET)	DESCRIPTION	DESIGN PT. ID
ELM AVE.	CL	994826.22	860578.02	POT STA 3+00.00 ELM AVE.	90
ELM AVE.	CL	994626.23	860575.42	PI STA 5+00.00 ELM AVE.	91
ROCK HILL RD.	CL	994522.52	860574.07	PC STA 6+03.72 ROCK HILL RD.	92
ROCK HILL RD.	17.24' RT.	994413.16	860572.65	PI STA 7+13.08 ROCK HILL RD.	92a
ROCK HILL RD.	338.27' LT.	994518.12	860912.31	CC OF CURVE 8+15.28 ROCK HILL RD.	92b
ROCK HILL RD.	CL	994323.67	860635.51	PT STA 8+15.28 ROCK HILL RD.	93
GENERAL GRANT LN.	CL	994875.98	861768.69	POT STA 5+00.00 GENERAL GRANT LN.	94
GENERAL GRANT LN.	CL	994827.04	861778.94	PC STA 5+50.00 GENERAL GRANT LN.	95
GENERAL GRANT LN.	13.56' RT.	994773.16	861790.21	PI STA 6+05.05 GENERAL GRANT LN.	95a
GENERAL GRANT LN.	105.00' LT.	994848.55	861881.71	CC OF CURVE 5+50.00 GENERAL GRANT LN.	95b
GENERAL GRANT LN.	CL	994751.79	861840.95	PT STA 6+51.41 GENERAL GRANT LN.	96
GENERAL GRANT LN.	CL	994717.70	861921.87	POT STA 7+39.22 GENERAL GRANT LN.	97
OLD WATSON RD.	CL	995067.59	862240.18	POT STA 3+00.00 OLD WATSON RD.	98
OLD WATSON RD.	CL	995066.44	862353.69	PC STA 4+13.51 OLD WATSON RD.	99
OLD WATSON RD.	4.28' LT.	995066.25	862372.68	PI STA 4+32.51 OLD WATSON RD.	99a
OLD WATSON RD.	40.0' RT.	995026.44	862353.29	CC OF CURVE 4+13.51 OLD WATSON RD.	99b
OLD WATSON RD.	CL	995051.41	862384.54	PT STA 4+48.98 OLD WATSON RD.	100
OLD WATSON RD.	CL	995011.54	862416.38	POT STA 5+00.00 OLD WATSON RD.	101
CHESHIRE LN.	CL	995293.87	862789.02	POT STA 3+00.00 CHESHIRE LN.	102
CHESHIRE LN.	CL	995098.15	862830.18	POT STA 5+00.00 CHESHIRE LN.	103
RTE 366	CL	995098.15	862830.18	PI STA 2209+67.32 RTE 366	103
CHESHIRE LN.	CL	994902.43	862871.34	POT STA 7+00.00 CHESHIRE LN.	104

SHEET 9 OF 15

COORDINATE POINT SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/24/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	166

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION | DATE | REV.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

SCALE

0 100 200 300

CURVE CULVERHILL_1	
PI	3+68.67
PC	3+11.49
PT	4+20.00
Δ	44° 42′ 04.0″ (RT)
D	41° 11′ 35.9″
L	108.52′
T	57.19′
R	139.09′

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MATCHLINE STA. 2212+00.00

2215 2220 2225 2230 2235

℄ GIRARD DR.

105 POT STA 3+00.00

S 11° 50′ 59″ E

CONST. ℄ RTE 366

89°58′26″

102°50′0″

107 ℄ EDGAR DR.

POT STA 3+00.00

S 0° 51′ 27″ W

N 78° 07′ 27″ E

106 POT STA 5+00.00

108 POT STA 5+00.00

STA. 5+00.00 GIRARD DR.=
STA. 2218+50.61 RTE 366

STA. 5+00.00 EDGAR DR.=
STA. 2220+90.14 RTE 366

109 PC STA 3+11.49

℄ CULVER HILL DR.

109a

110 PT STA 4+20.00

109b

S 11° 52′ 33″ E

90°0′0″

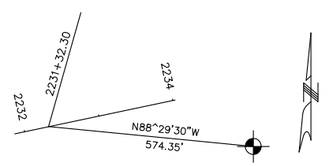
111 POT STA 5+00.00

STA. 5+00.00 CULVER HILL DR.=
STA. 2231+32.30 RTE 366

MATCHLINE STA. 2237+00.00

COORDINATE POINTS					
LOCATION	OFFSET	NORTHING (FEET)	EASTING (FEET)	DESCRIPTION	DESIGN PT. ID
GIRARD DR.	CL	995475.66	863653.49	POT STA 3+00.00 GIRARD DR.	105
GIRARD DR.	CL	995279.92	863694.56	POT STA 5+00.00 GIRARD DR.	106
EDGAR DR.	CL	995529.19	863932.31	POT STA 3+00.00 EDGAR DR.	107
EDGAR DR.	CL	995329.22	863928.96	POT STA 5+00.00 EDGAR DR.	108
CULVER HILL DR.	CL	995709.43	864872.85	PC STA 3+11.49 CULVER HILL DR.	109
CULVER HILL DR.	11.30' LT.	995677.93	864920.58	PI STA 3+68.68 CULVER HILL DR.	109a
CULVER HILL DR.	139.09' RT.	995593.35	864796.24	CC OF CURVE STA 4+20.00 CULVER HILL DR.	109b
CULVER HILL DR.	CL	995621.97	864932.35	PT STA 4+20.00 CULVER HILL DR.	110
CULVER HILL DR.	CL	995543.68	864948.82	POT STA 5+00.00 CULVER HILL DR.	111

LAND TIE #4



RR SPIKE FOUND AT THE SOUTHWEST CORNER OF ADJUSTED PARCEL 1A OF QUIKTRIP #679 BOUNDARY ADJUSTMENT PLAT

LAND CORNER TIE:
RR SPIKE FOUND AT THE SOUTHWEST CORNER OF ADJUSTED PARCEL 1A OF QIKTRIP #679 BOUNDARY ADJUSTMENT PLAT PB 353, PG 806 OF THE ST LOUIS COUNTY RECORDERS OFFICE, ST LOUIS COUNTY, MISSOURI. 574.35 FEET NORTHWEST OF BASELINE STATION 2231+32.30
PROJECT COORDINATES
N: 995528.5630 E: 865522.9710

SHEET 10 OF 15

COORDINATE POINT SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/24/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	167

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

SCALE
0 100 200 300

MATCHLINE STA.2237+00.00

2240

2245

2250

2255

2260

MATCHLINE STA.2262+00.00

℄ LACLEDE STATION RD.

℄ PEMBROKE DR.

℄ CROYDON DR.

PC STA 2239+03.01

POT STA 1+00.00

PC STA 1+61.89

PC STA 1+99.68

PT STA 2247+07.89

PT STA 4+30.00

PT STA 4+29.92

POT STA 5+00.00

PI STA 5+00.00

S 7° 29' 37" W

S 44° 03' 53" E

S 44° 28' 24" E

N 45° 56' 07" E

90°0'0"

89°35'20"

CONST. ℄ RTE 366

STA. 5+00.00 LACLEDE STATION RD.=
STA. 2242+83.01 RTE 366

STA. 5+00.00 ALDERSHOT DR.=
STA. 2252+78.81 RTE 366

STA. 5+00.00 CROYDON DR.=
STA. 2255+78.81 RTE 366

POT STA 6+75.31

POT STA 6+75.00

POT STA 8+05.00

POT STA 11+00.00

S 82° 33' 31" E

STA. 5+00.00 PEMBROKE DR.=
STA. 2249+78.31 RTE 366

STA. 5+00.00 MARTYS DR.=
STA. 2246+78.31 RTE 366

℄ MARTYS DR.

℄ ALDERSHOT DR.

℄ HEEGE RD.

STA 5+00.00 HEEGE RD.=
STA. 6+74.34 LACLEDE STATION RD.

℄ LACLEDE STATION RD.

112b 112 112a 113 114 115 116 117 118 119 120 121 121a 122 123 124 125 126 127 127a 127b 128 129 130

CURVE RTE366_15	
PI	2243+16.38
PC	2239+03.01
PT	2247+07.89
Δ	32° 11' 20.0" (LT)
D	3° 59' 57.0"
L	804.89'
T	413.37'
R	1,432.69'

CURVE PEMBROKE_1	
PI	3+05.80
PC	1+61.89
PT	4+30.00
Δ	51° 35' 19.2" (LT)
D	19° 14' 29.8"
L	268.11'
T	143.91'
R	297.77'

CURVE CROYTON_1	
PI	3+19.32
PC	1+99.68
PT	4+29.93
Δ	38° 24' 40.8" (RT)
D	16° 40' 58.5"
L	230.24'
T	119.64'
R	343.44'

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"SEE NEXT SHEET FOR LIST OF COORDINATE POINTS"

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/24/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	168

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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SHEET 11 OF 15

COORDINATE POINT SHEET

ROUTE 366
WATSON ROAD

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/24/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	169

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

COORDINATE POINTS

LOCATION	OFFSET	NORTHING (FEET)	EASTING (FEET)	DESCRIPTION	DESIGN PT. ID
RTE 366	CL	995702.29	865703.03	PC STA 2239+03.01 RTE 366	112
RTE 366	58.44' RT.	995787.35	866107.55	PI STA 2243+16.38 RTE 366	112a
RTE 366	1432.69' LT.	997104.31	865408.19	CC OF CURVE STA 2239+03.01 RTE 366	112b
RTE 366	CL	996074.84	866404.59	PT STA 2247+07.89 RTE 366	113
LACLEDE STA RD.	CL	996225.18	866112.41	POT STA 1+00.00 LACLEDE STA RD.	114
LACLEDE STA RD.	CL	995828.60	866060.24	POT STA 5+00.00 LACLEDE STA RD.	115
LACLEDE STA RD.	CL	995233.73	865981.99	POT STA 11+00.00 LACLEDE STA RD.	116
HEEGE RD.	CL	995655.75	866037.51	POT STA 5+00.00 HEEGE RD.	117
HEEGE RD.	CL	995616.25	866339.94	POT STA 8+00.00 HEEGE RD.	118
MARTYS DR.	CL	996054.49	866383.12	POT STA 5+00.00 MARTYS DR.	119
MARTYS DR.	CL	995928.52	866505.04	POT STA 6+75.31 MARTYS DR.	120
PEMBROKE DR.	CL	996559.29	866468.97	PC STA 1+61.89 PEMBROKE DR.	121
PEMBROKE DR.	32.95' RT.	996416.62	866450.13	PI STA 3+05.80 PEMBROKE DR.	121a
PEMBROKE DR.	297.77' LT.	996520.30	866764.18	CC OF CURVE STA 4+30.00 PEMBROKE DR.	121b
PEMBROKE DR.	CL	996313.21	866550.21	PT STA 4+30.00 PEMBROKE DR.	122
PEMBROKE DR.	CL	996262.91	866598.90	POT STA 5+00.00 PEMBROKE DR.	123
PEMBROKE DR.	CL	996137.16	866720.60	POT STA 6+75.00 PEMBROKE DR.	124
ALDERSHOT DR.	CL	996471.90	866814.82	POT STA 5+00.00 ALDERSHOT DR.	125
ALDERSHOT DR.	CL	996346.15	866936.53	POT STA 6+75.00 ALDERSHOT DR.	126
CROYDON DR.	CL	996832.17	866779.49	PC STA 1+99.68 CROYDON DR.	127
CROYDON DR.	20.24' LT.	996816.51	866898.09	PI STA 3+19.32 CROYTON DR.	127a
CROYDON DR.	343.44' RT.	996491.69	866734.52	CC OF CURVE STA 4+29.92 CROYTON DR.	127b
CROYDON DR.	CL	996730.54	866981.30	POT STA 4+29.92 CROYDON DR.	128
CROYDON DR.	CL	996680.54	867030.39	POT STA 5+00.00 CROYDON DR.	129
CROYDON DR.	CL	996554.79	867152.10	POT STA 6+75.00 CROYDON DR.	130

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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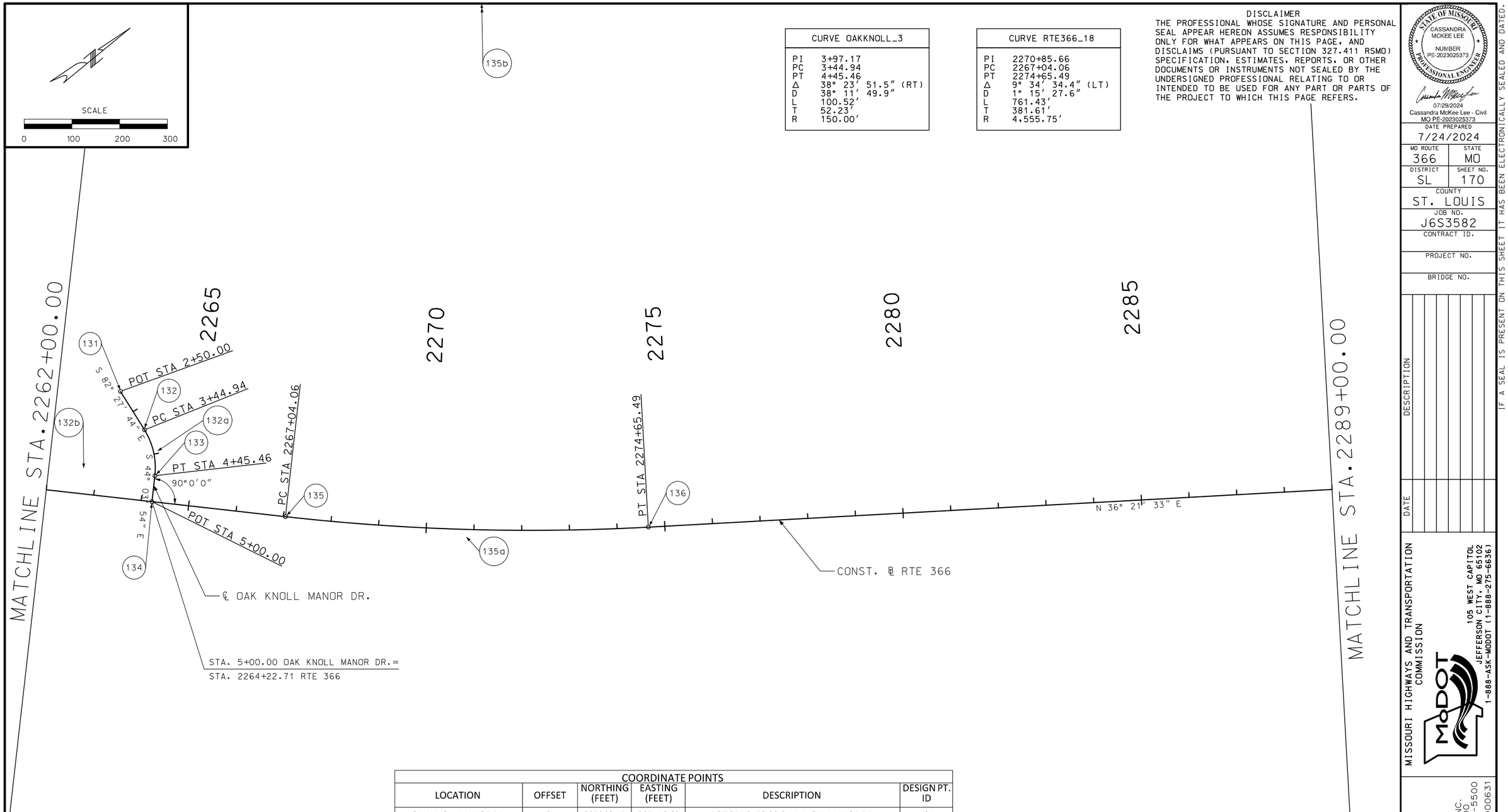
ENGINEERING CORPORATION - 000631

REV.

SHEET 12 OF 15

COORDINATE POINT SHEET

ROUTE 366
WATSON ROAD



CURVE OAKKNOLL_3	
PI	3+97.17
PC	3+44.94
PT	4+45.46
Δ	38° 23′ 51.5″ (RT)
D	38° 11′ 49.9″
L	100.52′
T	52.23′
R	150.00′

CURVE RTE366_18	
PI	2270+85.66
PC	2267+04.06
PT	2274+65.49
Δ	9° 34′ 34.4″ (LT)
D	1° 15′ 27.6″
L	761.43′
T	381.61′
R	4,555.75′

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COORDINATE POINTS					
LOCATION	OFFSET	NORTHING (FEET)	EASTING (FEET)	DESCRIPTION	DESIGN PT. ID
OAK KNOLL MANOR DR.	CL	997363.47	867416.62	POT STA 2+50.00 OAK KNOLL MANOR DR.	131
OAK KNOLL MANOR DR.	CL	997351.01	867510.74	PC STA 3+44.94 OAK KNOLL MANOR DR.	132
OAK KNOLL MANOR DR.	8.83' LT.	997344.16	867562.52	PI STA 3+97.17 OAK KNOLL MANOR DR.	132a
OAK KNOLL MANOR DR.	150.0' RT.	997202.31	867491.06	CC OF CURVE STA 3+44.94 OAK KNOLL MANOR DR.	132b
OAK KNOLL MANOR DR.	CL	997306.63	867598.84	PT STA 4+45.46 OAK KNOLL MANOR DR.	133
OAK KNOLL MANOR DR.	CL	997267.44	867636.78	POT STA 5+00.00 OAK KNOLL MANOR DR.	134
RTE 366	CL	997463.11	867838.94	PC STA 2267+04.06 RTE 366	135
RTE 366	15.95' RT.	997728.51	868113.15	PI STA 2270+85.67 RTE 366	135a
RTE 366	4555.75' LT.	1000736.67	864670.56	CC OF CURVE STA 2267+04.06 RTE 366	135b
RTE 366	CL	998035.82	868339.38	PT STA 2274+65.49 RTE 366	136

SHEET 13 OF 15

COORDINATE POINT SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/24/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	170

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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REV.

SCALE

0 100 200 300

CURVE RTE366_21	
PI	2300+18.69
PC	2295+22.18
PT	2304+69.01
Δ	42° 36′ 30.2″ (RT)
D	4° 30′ 00.2″
L	946.84′
T	496.52′
R	1,273.22′

CURVE RTE366_24	
PI	2312+64.54
PC	2308+61.35
PT	2316+47.39
Δ	31° 26′ 06.7″ (LT)
D	3° 59′ 57.0″
L	786.04′
T	403.19′
R	1,432.69′

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2290 2295 2300 2305 2310 2315

℄ KUDA CT.

139 POT STA 3+00.00

S 53° 24′ 19″ E

140 STA. 5+00.00 KUDA CT.= STA. 2295+27.42 RTE 366

137 POT STA 5+00.00

PC STA 2295+22.18

137a CONST. ℄ RTE 366

138 PT STA 2304+69.01

N 78° 58′ 03″ E

141 PC STA 2308+61.35

141b

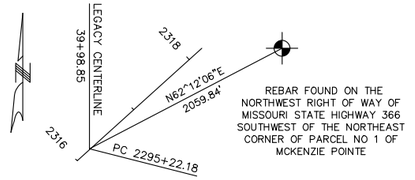
141a

MATCHLINE STA. 2289+00.00

MATCHLINE STA. 2315+00.00

137b

LAND TIE #5



LAND CORNER TIE:
REBAR FOUND ON THE NORTHWEST CORRIDOR BOUNDARY OF MISSOURI STATE HIGHWAY 366, LYING 78.21 FEET SOUTHWEST OF THE NORTHEAST CORNER OF PARCEL NO 1 AS SHOWN ON MCKENZIE POINTE PB 293, PG 38 OF THE ST LOUIS COUNTY RECORDERS OFFICE, ST LOUIS COUNTY, MISSOURI.
2,059.84 FEET NORTHEAST OF BASELINE STATION 2295+22.18
PROJECT COORDINATES
N:1000652.7830 E:871380.7980

COORDINATE POINTS

LOCATION	OFFSET	NORTHING (FEET)	EASTING (FEET)	DESCRIPTION	DESIGN PT. ID
RTE 366	CL	999692.10	869558.67	PC STA 2295+22.18 RTE 366	137
RTE 366	93.39' LT.	1000091.96	869853.03	PI STA 2300+18.70 RTE 366	137a
RTE 366	1273.22' RT.	998937.28	870584.02	CC OF CURVE STA 2295+22.18 RTE 366	137b
RTE 366	CL	1000186.97	870340.37	PT STA 2304+69.01 RTE 366	138
KUDA CT.	CL	999815.01	869400.82	POT STA 3+00.00 KUDA CT.	139
KUDA CT.	CL	999696.32	869561.79	POT STA 5+00.00 KUDA CT.	140
RTE 366	CL	1000262.05	870725.46	PC STA 2308+61.35 RTE 366	141
RTE 366	55.65' RT.	1000339.21	871121.19	PI STA 2312+64.54 RTE 366	141a
RTE 366	1432.69' LT.	1001668.26	870451.29	CC OF CURVE STA 2308+61.35 RTE 366	141b

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED 7/24/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	171

COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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REV.

SHEET 14 OF 15

COORDINATE POINT SHEET

ROUTE 366
WATSON ROAD

SCALE

0 100 200 300

COORDINATE POINTS					
LOCATION	OFFSET	NORTHING (FEET)	EASTING (FEET)	DESCRIPTION	DESIGN PT. ID
RTE 366	CL	1000611.43	871418.60	PT STA 2316+47.39 RTE 366	142
JACOBS COAL RD.	CL	1000826.93	871357.83	POT STA 3+00.00 JACBOS COAL RD.	143
JACOBS COAL RD.	CL	1000679.31	871492.77	POT STA 5+00.00 JACOBS COAL RD.	144
MACKENZIE PT.	CL	1001476.26	872067.25	POT STA 3+00.00 MACKENZIE PT.	145
MACKENZIE PT.	CL	1001328.63	872202.18	POT STA 5+00.00 MACKENZIE RD.	146
MACKENZIE RD.	CL	1001436.55	872320.08	POT STA 5+00.00 MACKENZIE RD.	147
MACKENZIE RD.	CL	1000940.82	872254.85	POT STA 10+00.00 MACKENZIE RD.	148
CREIGHTON DR.	CL	1002141.13	872793.65	POT STA 3+00.00 CREIGHTON DR.	149
CREIGHTON DR.	CL	1001993.50	872928.58	POT STA 5+00.00 CREIGHTON DR.	150
CREIGHTON DR.	CL	1001845.88	873063.52	POT STA 7+00.00 CREIGHTON DR.	151
RTE 366	CL	1002292.26	873254.98	POT STA 2341+36.87 RTE 366	152

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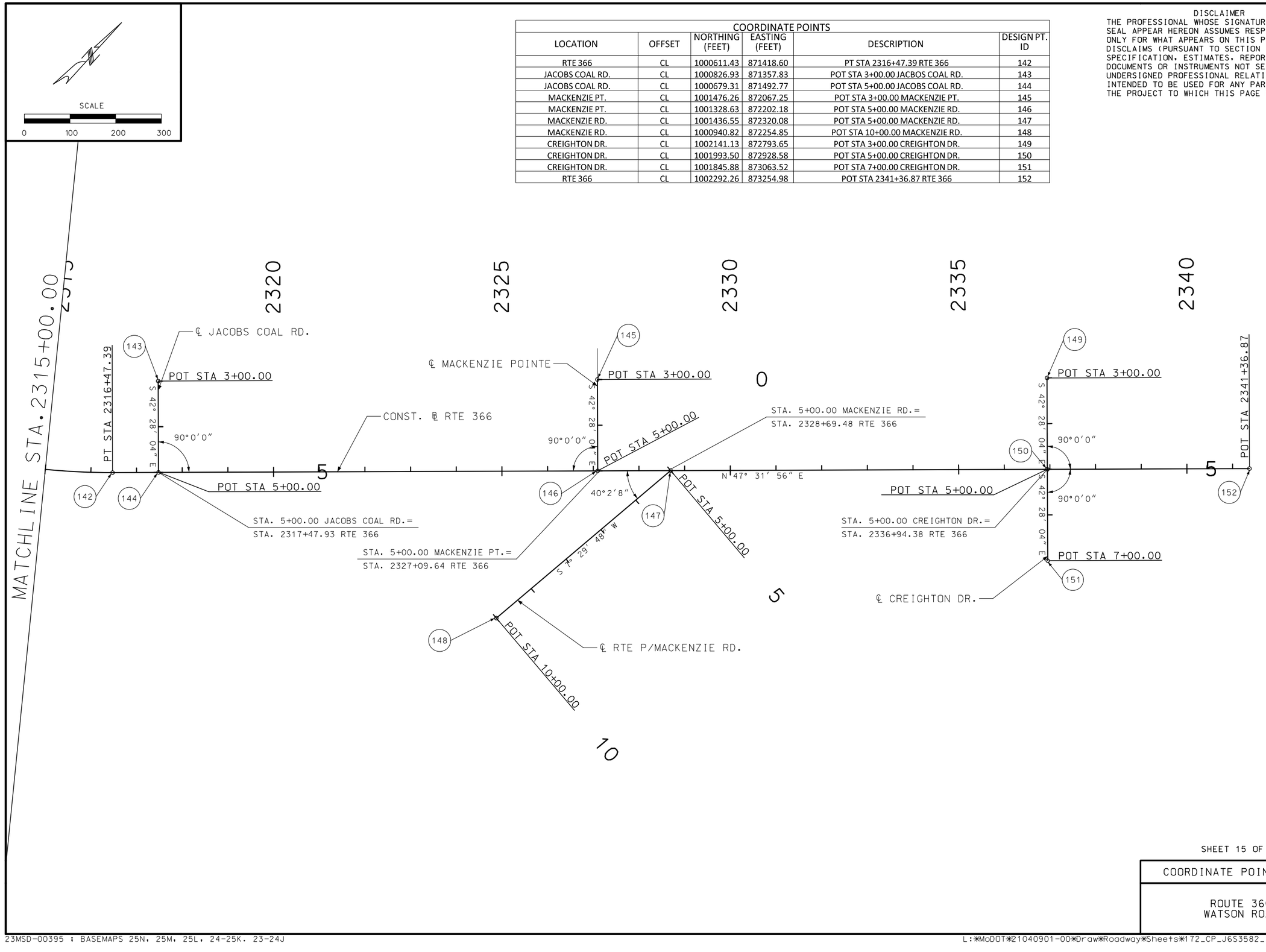

SHEET 15 OF 15

COORDINATE POINT SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/24/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	172

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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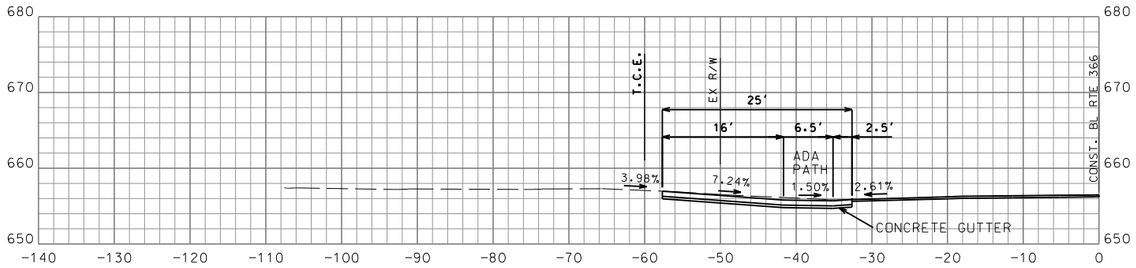
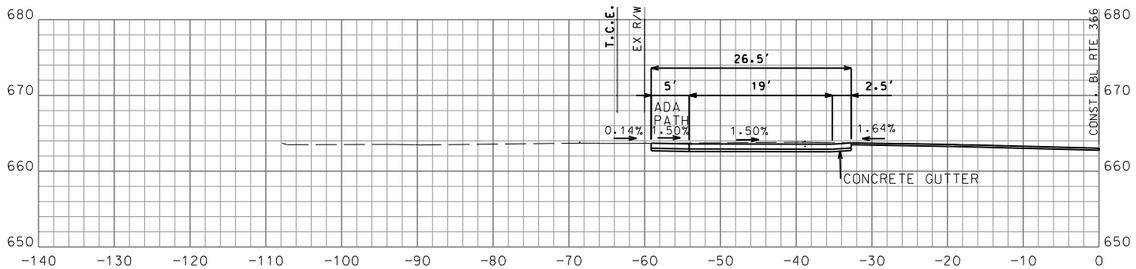
REV.



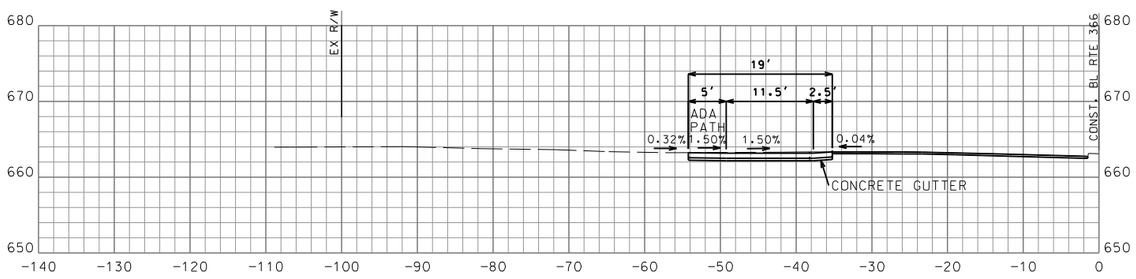
PARCEL 9
10575 WATSON RD
Sta. 2048+51 LT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 6.0%
SEE PLAN SHEET 16 OF 73



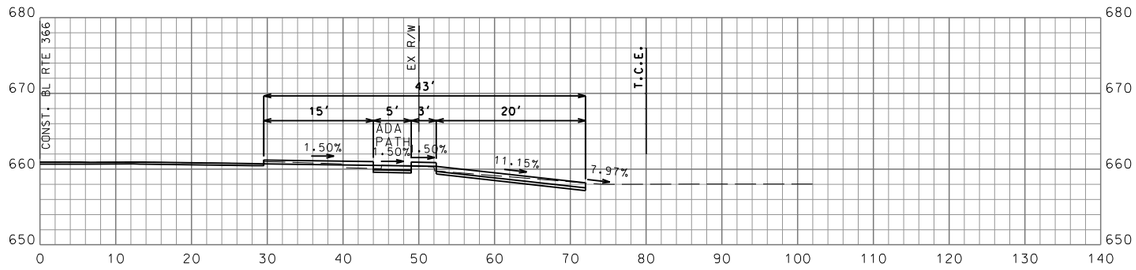
PARCEL 6
10705 WATSON RD
Sta. 2037+99 LT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 0.8%
SEE PLAN SHEET 12 OF 73



10743 WATSON RD
Sta. 2035+59 LT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 0.5%
SEE PLAN SHEET 11 OF 73



PARCEL 2
10760 SUNSET HILLS PLZ
Sta. 2029+09 RT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 6.6%
SEE PLAN SHEET 10 OF 73

DISCLAIMER
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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
07/29/2024 8:10:03 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	173

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SHEET 1 OF 54

ENTRANCE PROFILES

ROUTE 366
WATSON ROAD

REV.

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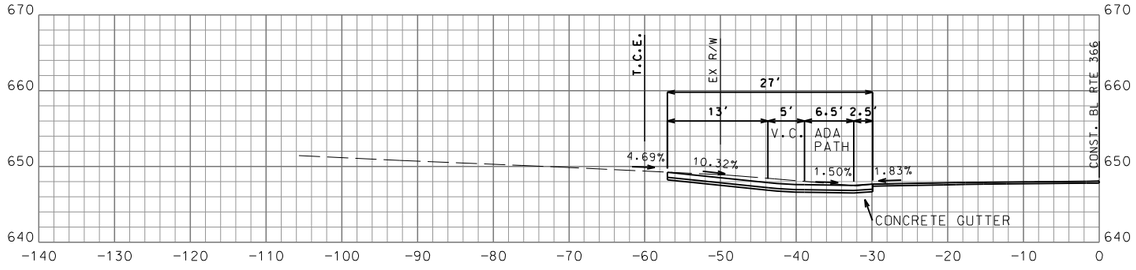
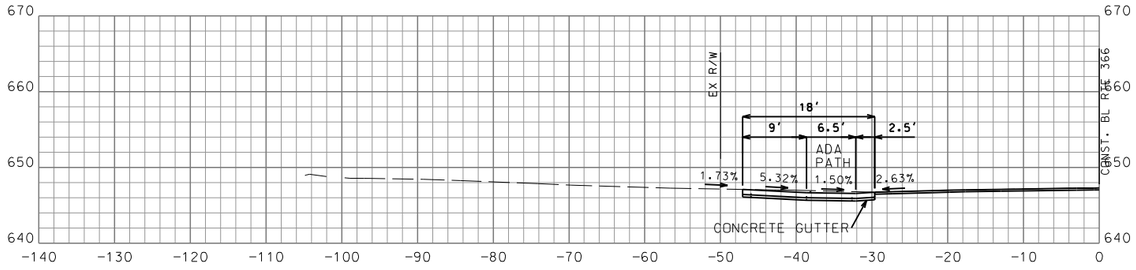


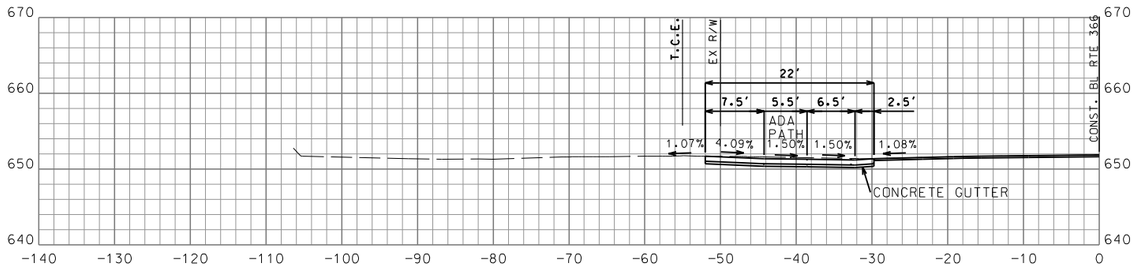
PARCEL 12
10415 WATSON RD
Sta. 2052+75 LT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 8.0%
SEE PLAN SHEET 16 OF 73



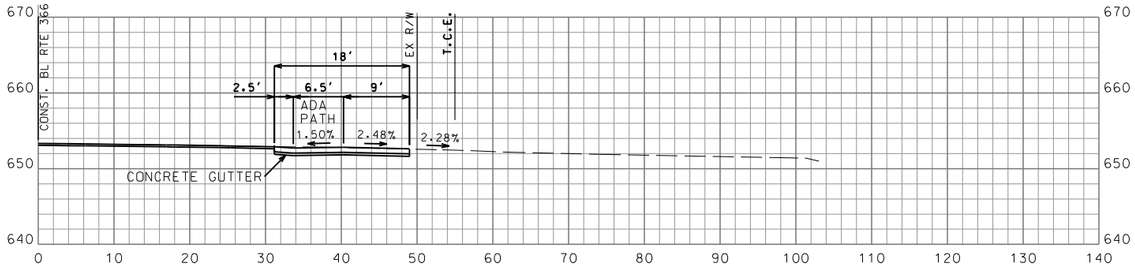
10501 WATSON RD
Sta. 2051+90 LT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 2.2%
SEE PLAN SHEET 16 OF 73



PARCEL 11
10501 WATSON RD
Sta. 2049+54 LT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 1.6%
SEE PLAN SHEET 16 OF 73



PARCEL 10
10542 WATSON RD
Sta. 2049+06 RT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 1.7%
SEE PLAN SHEET 16 OF 73

BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
STATE OF MISSOURI
07/29/2024 8:10:04 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	174

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

ENTRANCE PROFILES

ROUTE 366
WATSON ROAD

REV.

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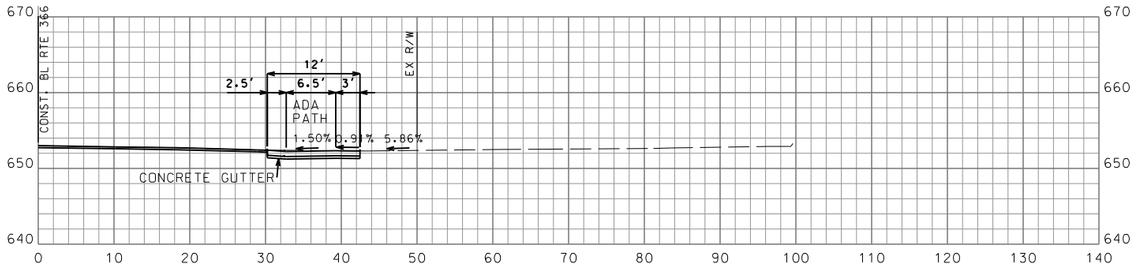
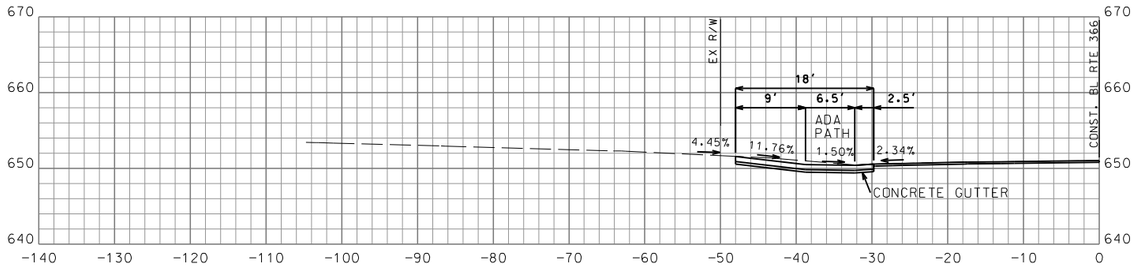
10390 WATSON RD
Sta. 2054+66 RT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 0.8%
SEE PLAN SHEET 17 OF 73



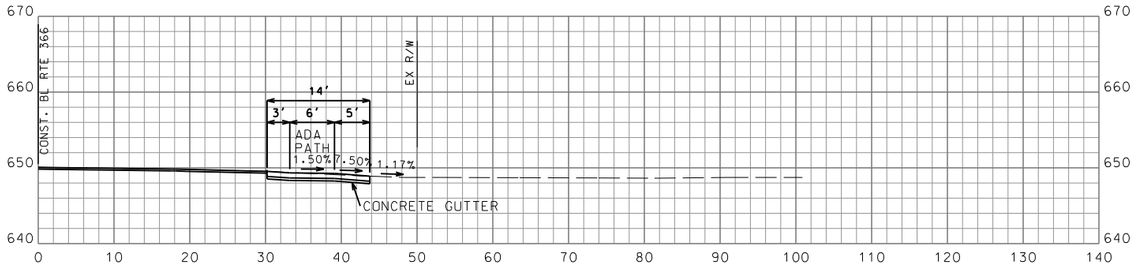
10345 WATSON RD
Sta. 2054+01 LT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 8.2%
SEE PLAN SHEET 17 OF 73



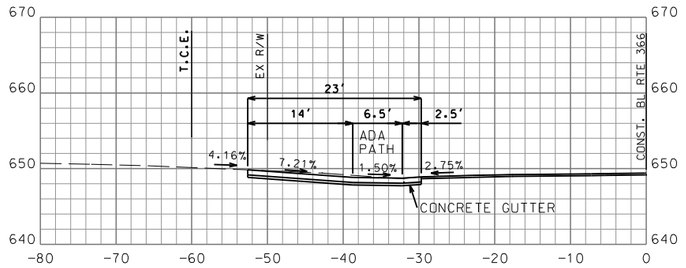
10400 WATSON RD
Sta. 2053+68 RT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 4.4%
SEE PLAN SHEET 17 OF 73



PARCEL 12
10345 WATSON RD
Sta. 2053+45 LT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 5.8%
SEE PLAN SHEET 17 OF 73



BRIAN D. KIERATH JR.
NUMBER PE-2023008624
STATE OF MISSOURI
PROFESSIONAL ENGINEER
07/29/2024 8:10:04 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	175

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

ENTRANCE PROFILES

ROUTE 366
WATSON ROAD

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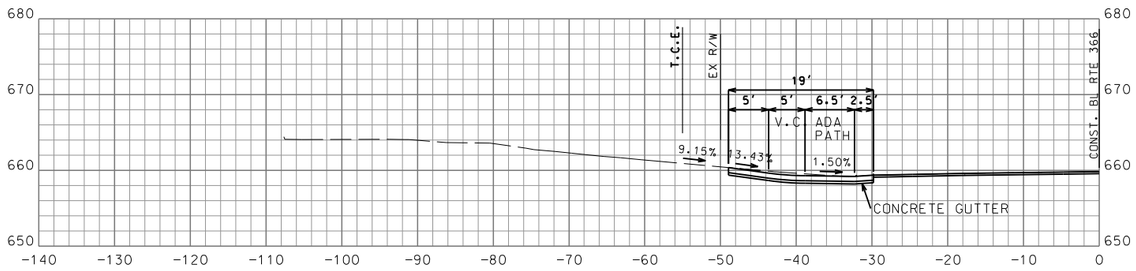
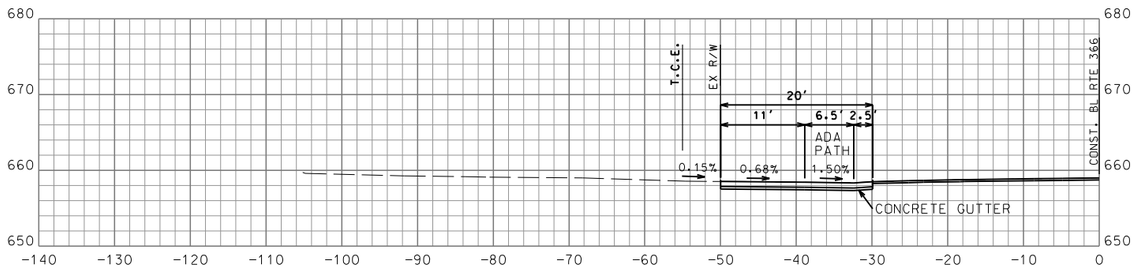


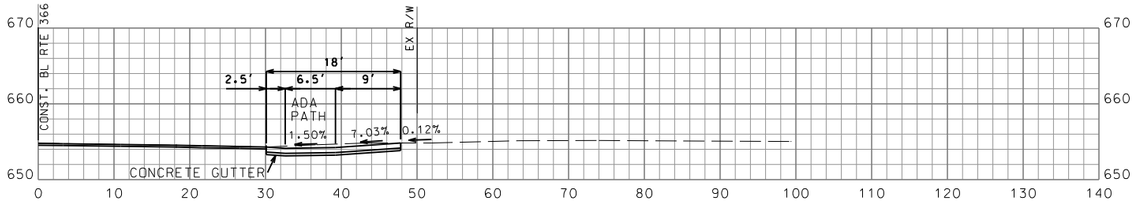
PARCEL 14
10311 WATSON RD
Sta. 2057+60 LT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 7.7%
SEE PLAN SHEET 17 OF 73



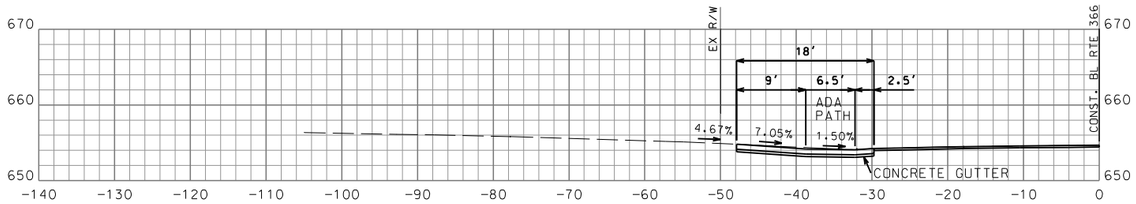
PARCEL 13
10327 WATSON RD
Sta. 2056+92 LT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 0.8%
SEE PLAN SHEET 17 OF 73



10300 WATSON RD
Sta. 2055+26 RT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 3.2%
SEE PLAN SHEET 17 OF 73



10345 WATSON RD
Sta. 2055+23 LT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 4.7%
SEE PLAN SHEET 17 OF 73

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
07/29/2024 8:10:04 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	176

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SHEET 4 OF 54

ENTRANCE PROFILES

ROUTE 366
WATSON ROAD

REV.

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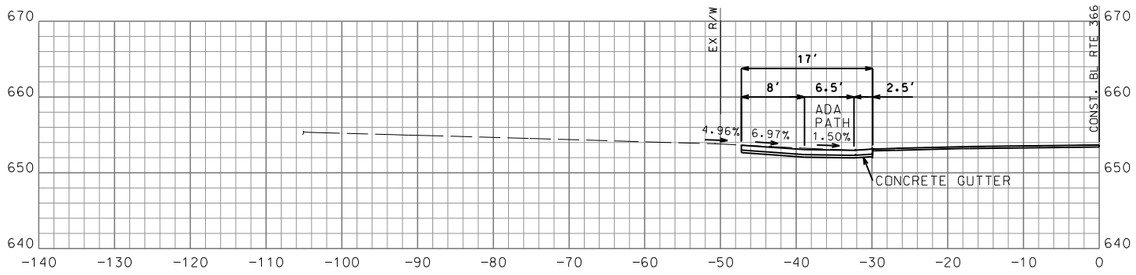
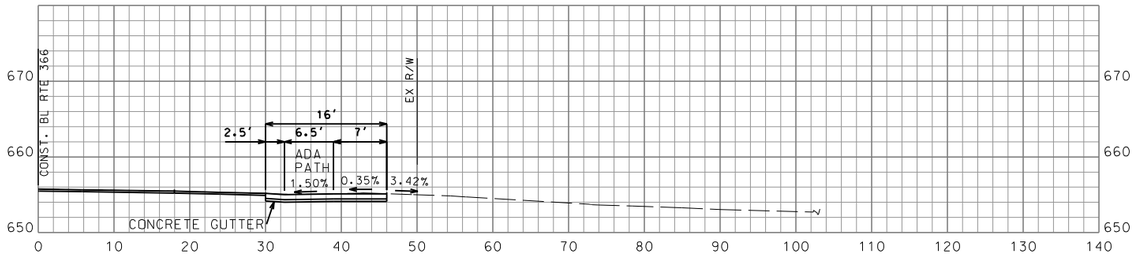


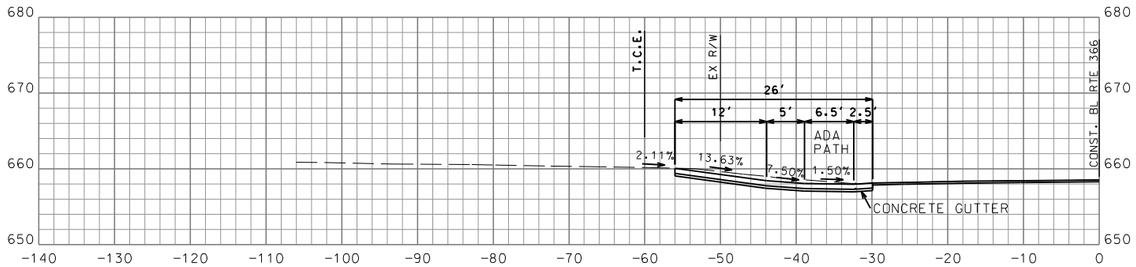
10229 WATSON RD
Sta. 2061+37 LT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 3.0%
SEE PLAN SHEET 18 OF 73



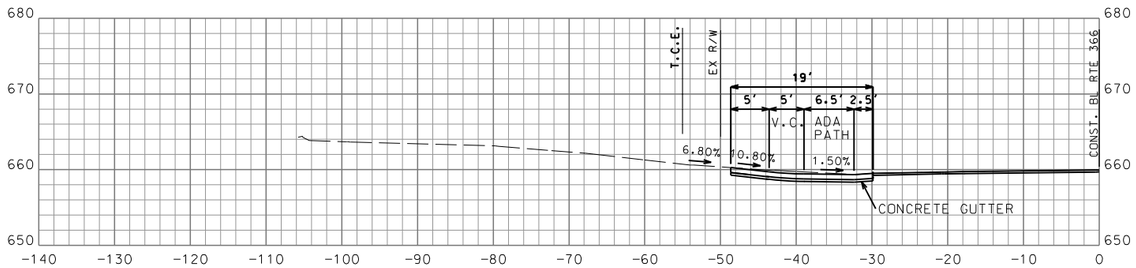
10230 WATSON RD
Sta. 2060+81 RT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 3.3%
SEE PLAN SHEET 18 OF 73



PARCEL 15
10275 WATSON RD
Sta. 2059+73 LT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 9.3%
SEE PLAN SHEET 18 OF 73



PARCEL 14
10311 WATSON RD
Sta. 2058+62 LT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 5.6%
SEE PLAN SHEET 18 OF 73

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
07/29/2024 8:10:05 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	177

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SHEET 5 OF 54

ENTRANCE PROFILES

ROUTE 366
WATSON ROAD

REV.

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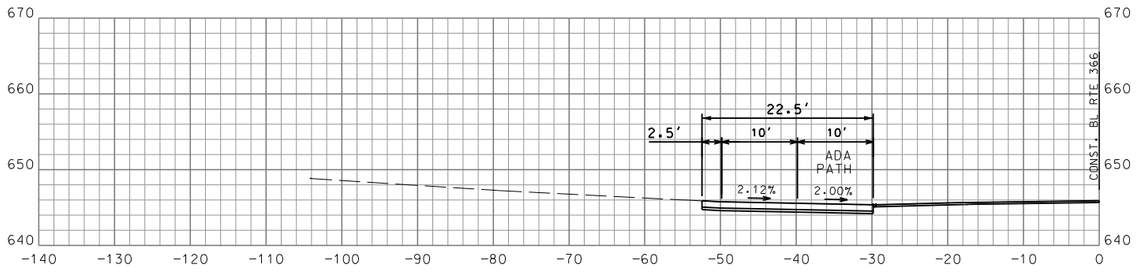
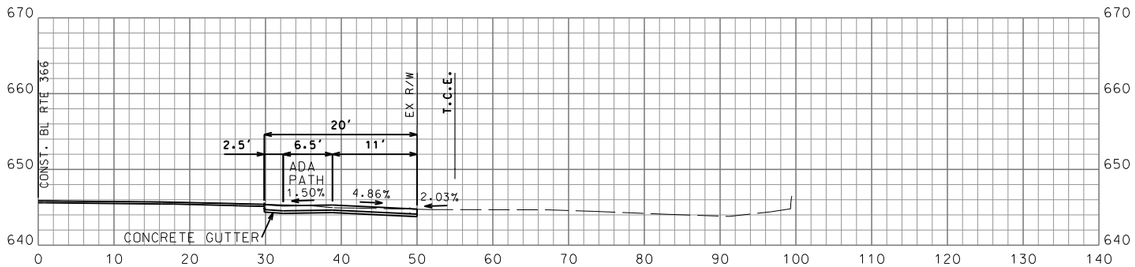


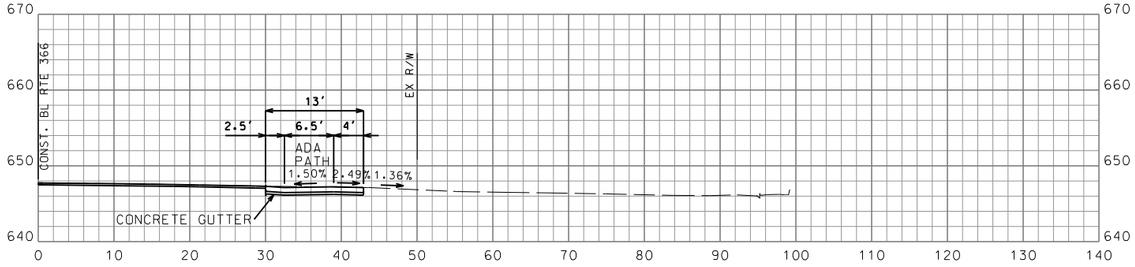
WINDWARD RIDGE RD
Sta. 2064+55.25 LT

9" PCC OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 2.1%
SEE PLAN SHEET 19 OF 73



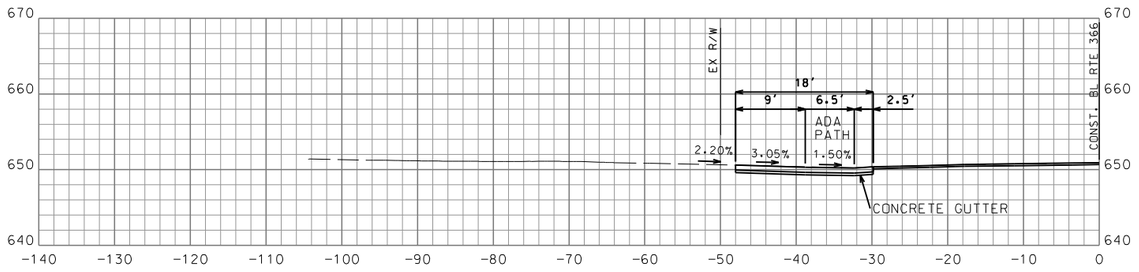
PARCEL 16
10202 WATSON RD
Sta. 2064+12 RT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 3.3%
SEE PLAN SHEET 19 OF 73



10230 WATSON RD
10210 WATSON RD
Sta. 2062+91 RT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 0.0%
SEE PLAN SHEET 18 OF 73



10215 WATSON RD
Sta. 2062+01 LT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 2.3%
SEE PLAN SHEET 18 OF 73

BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
STATE OF MISSOURI
07/29/2024 8:10:05 AM
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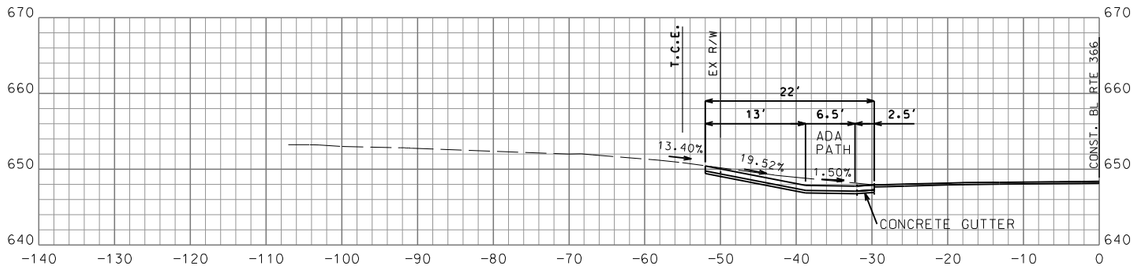
BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SHEET 6 OF 54

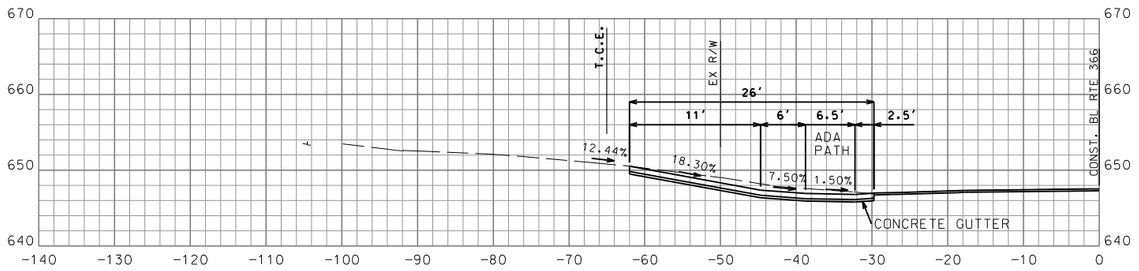
ENTRANCE PROFILES

ROUTE 366
WATSON ROAD



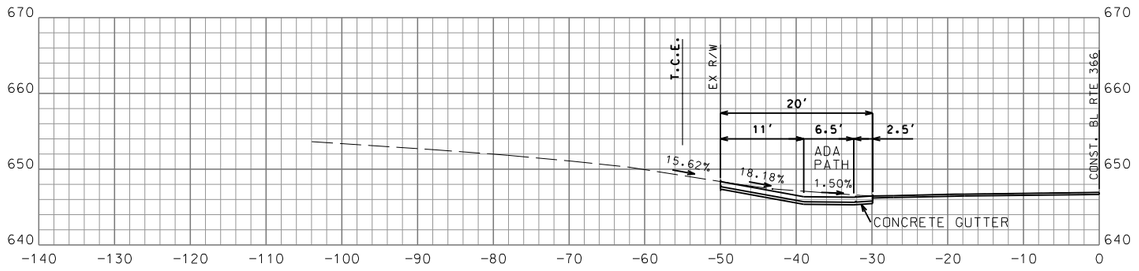
PARCEL 20
10125 WATSON RD
Sta. 2066+80 LT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 11.2%
SEE PLAN SHEET 19 OF 73



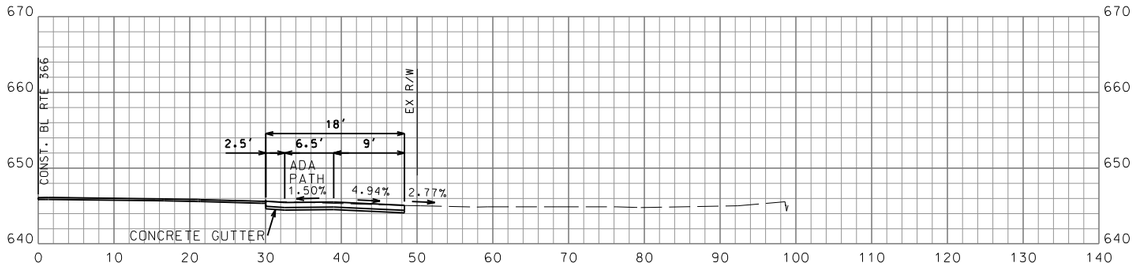
PARCEL 20
10125 WATSON RD
Sta. 2066+10 LT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 9.1%
SEE PLAN SHEET 19 OF 73



PARCEL 18
10151 WATSON RD
Sta. 2065+62 LT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 9.7%
SEE PLAN SHEET 19 OF 73



PARCEL 17
10156 WATSON RD
Sta. 2064+86 RT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 2.2%
SEE PLAN SHEET 19 OF 73

DISCLAIMER
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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
07/29/2024 8:10:05 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	179

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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16305 Swingley Ridge Dr., Ste 300
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ARCHITECT 000212
PRO. LAND SURVEYOR 000059

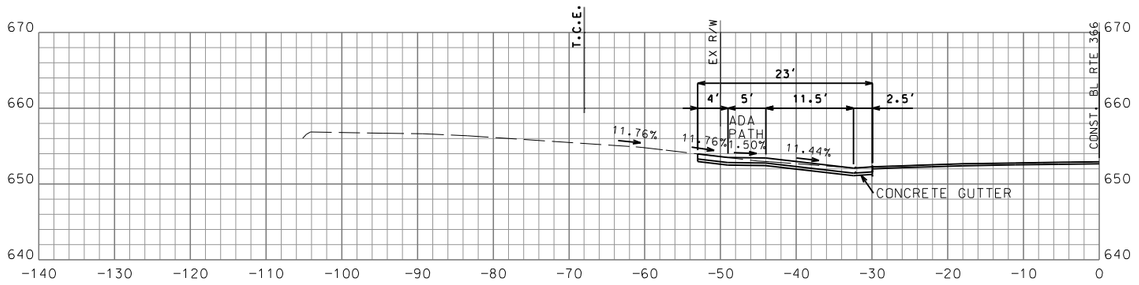
BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SHEET 7 OF 54

ENTRANCE PROFILES

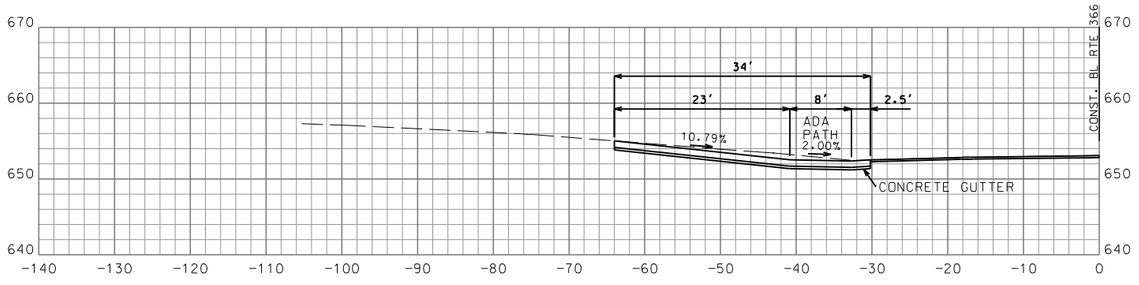
ROUTE 366
WATSON ROAD

REV.



PARCEL 23
9979 WATSON RD
Sta. 2072+23 LT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 11.7%
SEE PLAN SHEET 20 OF 73

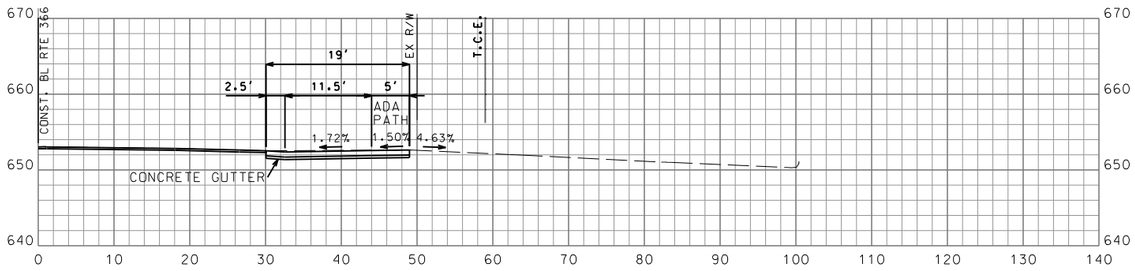


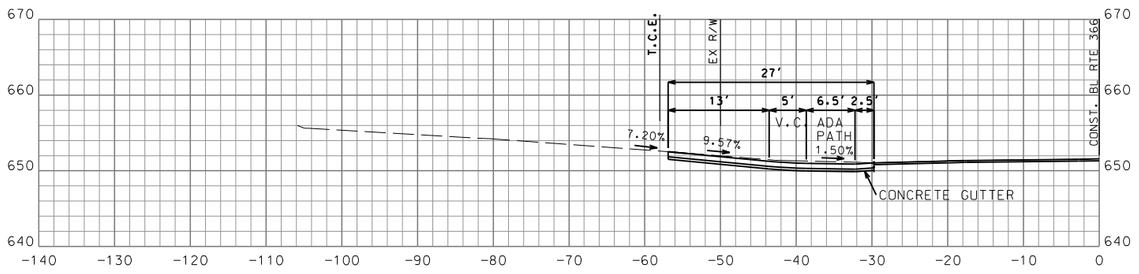
STARLING DR
Sta. 2071+31 LT

9" PCC OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 7.8%
SEE PLAN SHEET 20 OF 73

PARCEL 22
10024 WATSON RD
Sta. 2071+11 RT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 0.5%
SEE PLAN SHEET 20 OF 73





PARCEL 21
10011 WATSON RD
Sta. 2069+35 LT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 8.2%
SEE PLAN SHEET 20 OF 73

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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
07/29/2024 8:10:05 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	180

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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636.240.2444
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ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SHEET 8 OF 54

ENTRANCE PROFILES

ROUTE 366
WATSON ROAD

REV.

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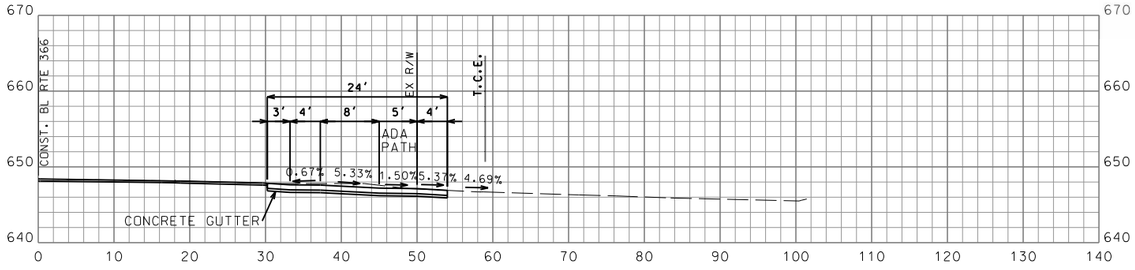
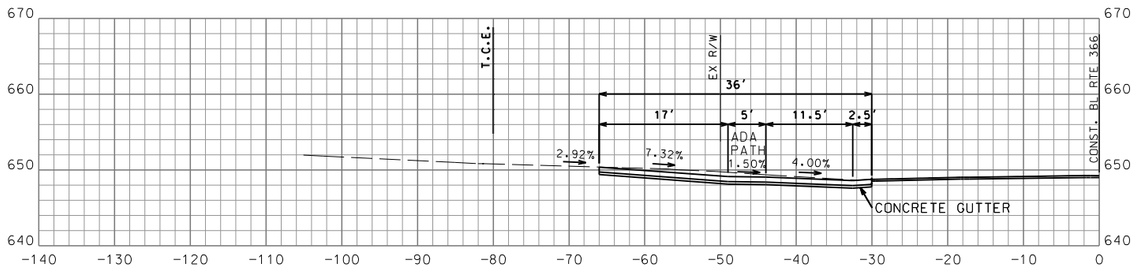
PARCEL 27
9942 WATSON RD
Sta. 2075+20 RT

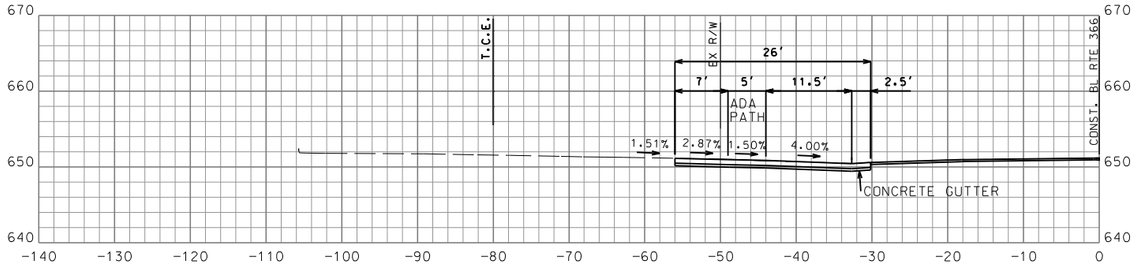
8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 3.9%
SEE PLAN SHEET 21 OF 73





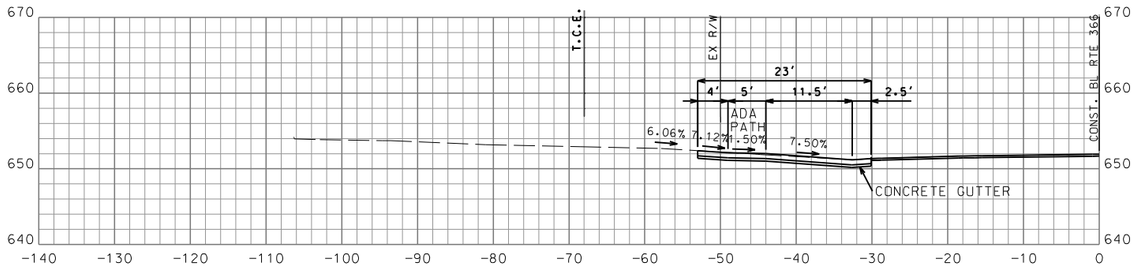
PARCEL 26
9955 WATSON RD
Sta. 2074+80 LT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 6.0%
SEE PLAN SHEET 21 OF 73



PARCEL 26
9955 WATSON RD
Sta. 2073+80 LT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 3.0%
SEE PLAN SHEET 20 OF 73



PARCEL 24
9965 WATSON RD
Sta. 2073+28 LT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 5.8%
SEE PLAN SHEET 20 OF 73

BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
STATE OF MISSOURI
07/29/2024 8:10:06 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	181

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
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BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

ENTRANCE PROFILES

ROUTE 366
WATSON ROAD

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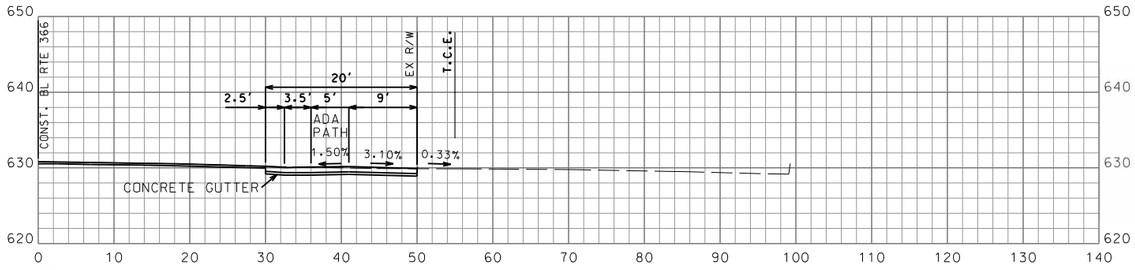
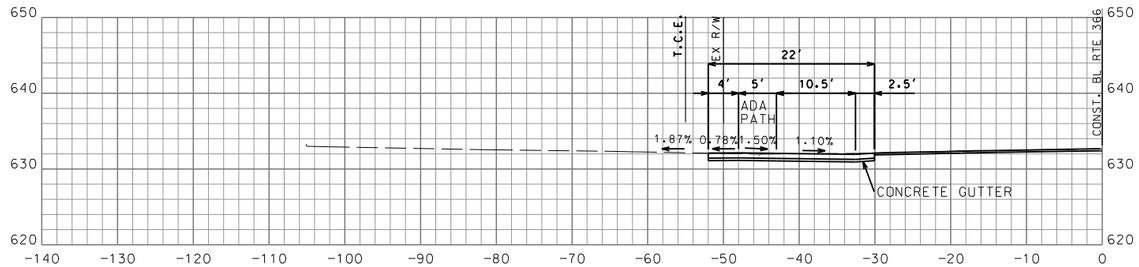
PARCEL 34
9900 WATSON RD
Sta. 2081+67 RT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 1.6%
SEE PLAN SHEET 22 OF 73



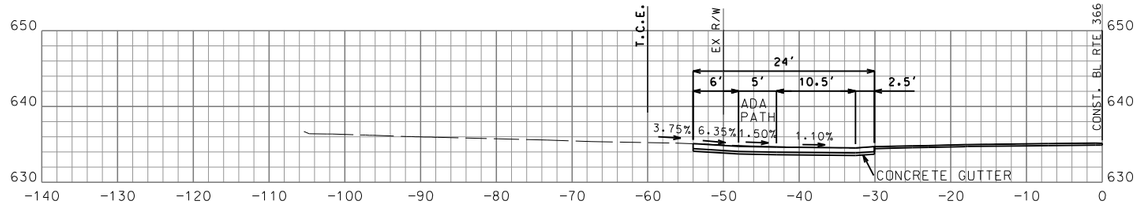
PARCEL 33
9915 WATSON RD
Sta. 2081+00 LT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 0.05%
SEE PLAN SHEET 22 OF 73



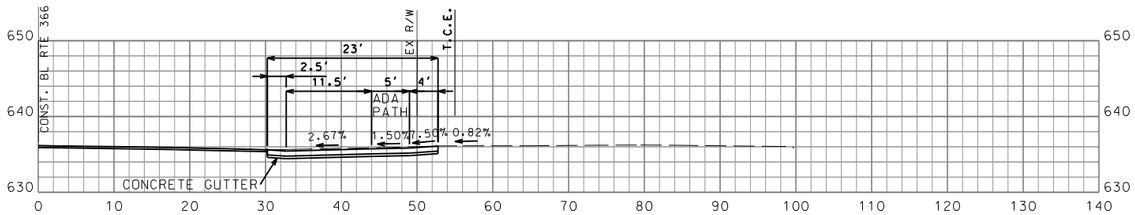
PARCEL 30
9919 WATSON RD
Sta. 2080+20 LT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 2.5%
SEE PLAN SHEET 22 OF 73



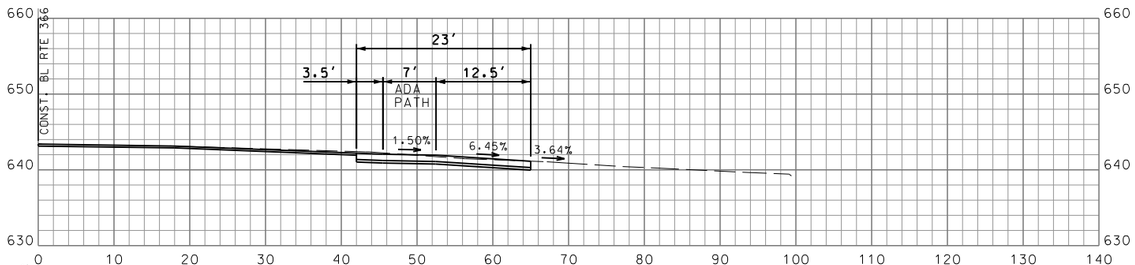
PARCEL 32
9920 WATSON RD
Sta. 2079+88 RT

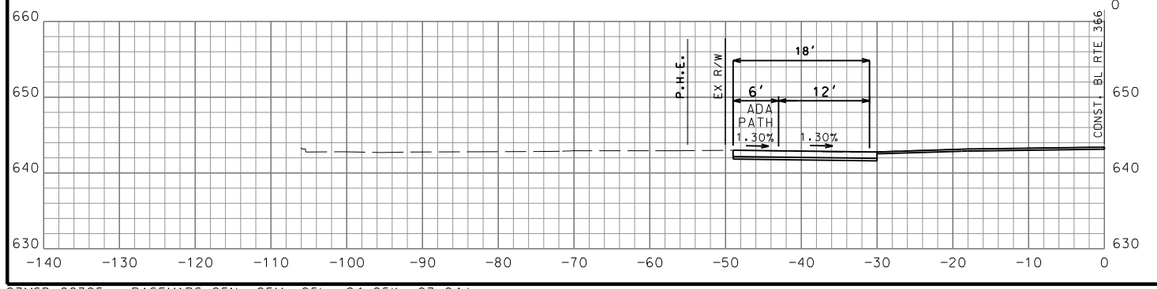
8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 2.1%
SEE PLAN SHEET 22 OF 73



STURDY DR
Sta. 2077+38 RT

9" PCC OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 6.99%
SEE PLAN SHEET 21 OF 73





PARCEL 29
STURDY DR
Sta. 2077+38 LT

9" PCC OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 3.1%
SEE PLAN SHEET 21 OF 73

BRIAN D. KIERATH JR. NUMBER PE-2023008624
PROFESSIONAL ENGINEER
STATE OF MISSOURI
07/29/2024 8:10:06 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED: 7/26/2024
MO ROUTE: 366
STATE: MO
DISTRICT: SL
SHEET NO.: 182
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

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DESCRIPTION | DATE | REV.

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ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SHEET 10 OF 54

ENTRANCE PROFILES

ROUTE 366
WATSON ROAD

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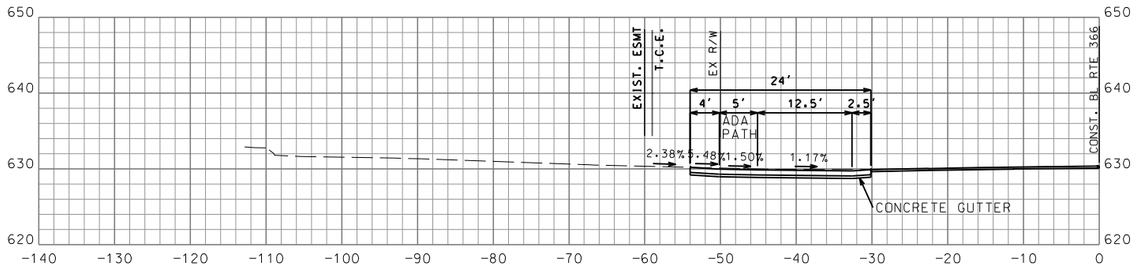
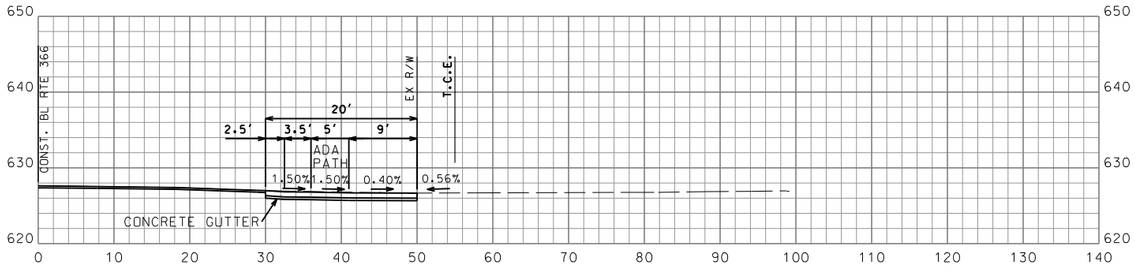


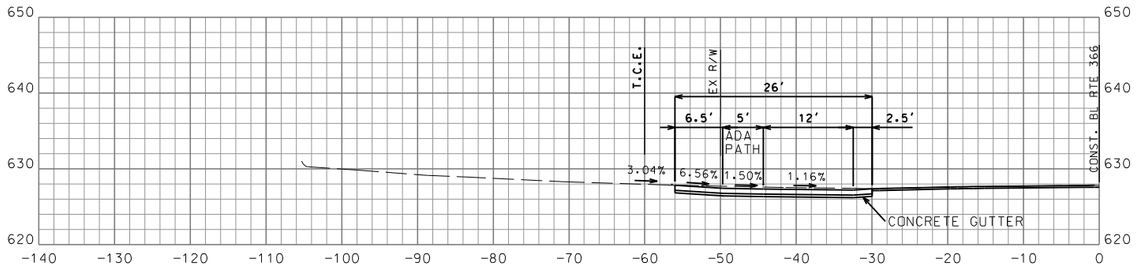
PARCEL 36
9901 WATSON RD
Sta. 2087+69 LT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 1.3%
SEE PLAN SHEET 23 OF 73

PARCEL 34
9900 WATSON RD
Sta. 2084+06 RT

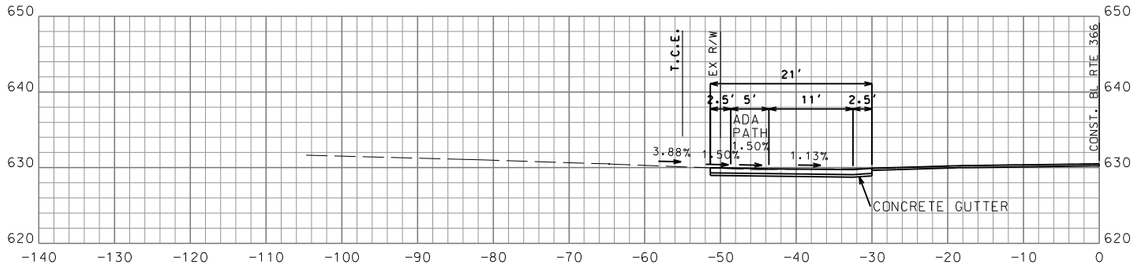
8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 1.6%
SEE PLAN SHEET 22 OF 73





PARCEL 35
9901 WATSON RD SUITE 121
Sta. 2083+52 LT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 1.8%
SEE PLAN SHEET 22 OF 73



PARCEL 33
9915 WATSON RD
Sta. 2081+80 LT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 0.2%
SEE PLAN SHEET 22 OF 73

BRIAN D. KIERATH JR. NUMBER PE-2023008624
PROFESSIONAL ENGINEER
STATE OF MISSOURI
07/29/2024 8:10:06 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	183

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SHEET 11 OF 54

ENTRANCE PROFILES

ROUTE 366
WATSON ROAD

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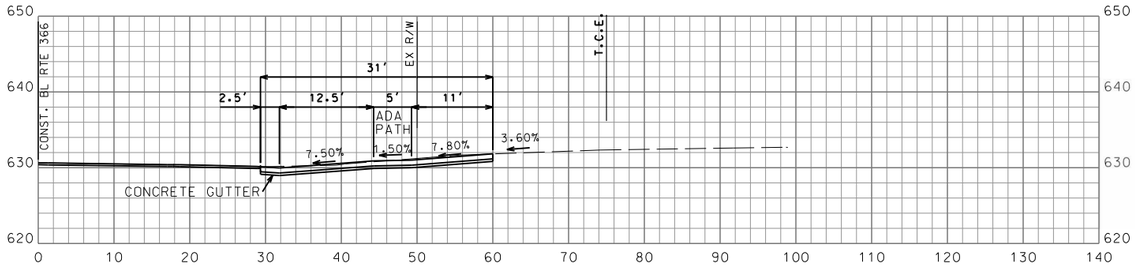
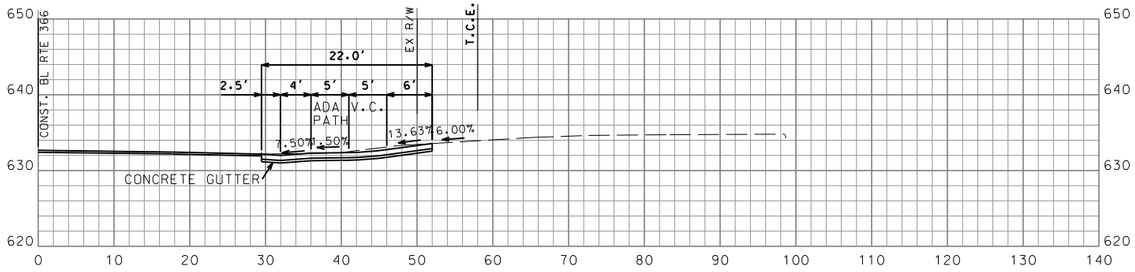
PARCEL 41
9822 WATSON RD
Sta. 2092+78 RT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 7.6%
SEE PLAN SHEET 24 OF 73



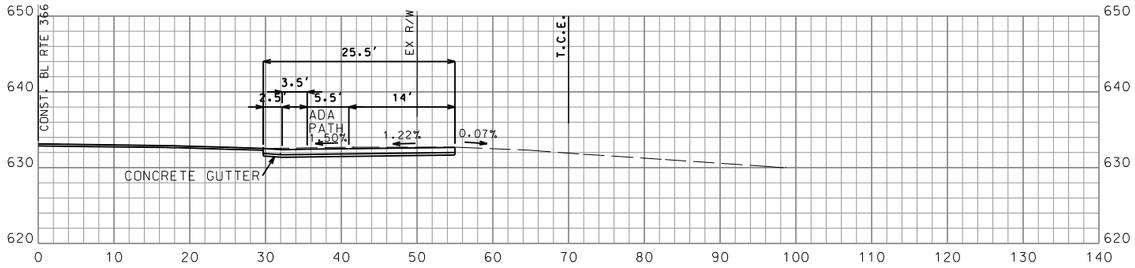
PARCEL 41
9822 WATSON RD
Sta. 2091+54 RT

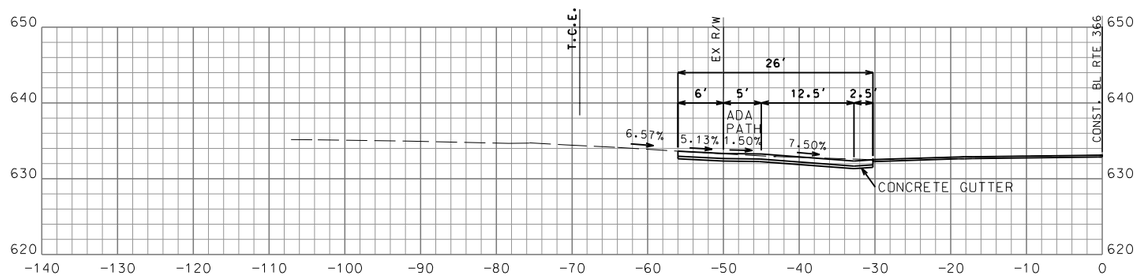
8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 11.2%
SEE PLAN SHEET 24 OF 73



PARCEL 39
9838 WATSON RD
Sta. 2090+78 RT

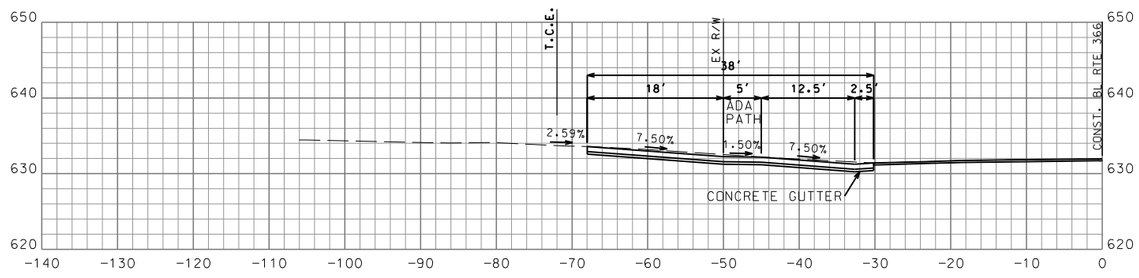
8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 0.7%
SEE PLAN SHEET 24 OF 73





PARCEL 38
9833 WATSON RD
Sta. 2090+60 LT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 5.1%
SEE PLAN SHEET 24 OF 73



PARCEL 38
9833 WATSON RD
Sta. 2089+19 LT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 6.0%
SEE PLAN SHEET 23 OF 73

BRIAN D. KIERATH JR.
NUMBER PE-2023008624
STATE OF MISSOURI
PROFESSIONAL ENGINEER
07/29/2024 8:10:06 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	184

COUNTY
ST. LOUIS

JOB NO.
J6S3582

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PROFESSIONAL ENGINEER
PE-2023008624

REV.

SHEET 12 OF 54

ENTRANCE PROFILES

ROUTE 366
WATSON ROAD

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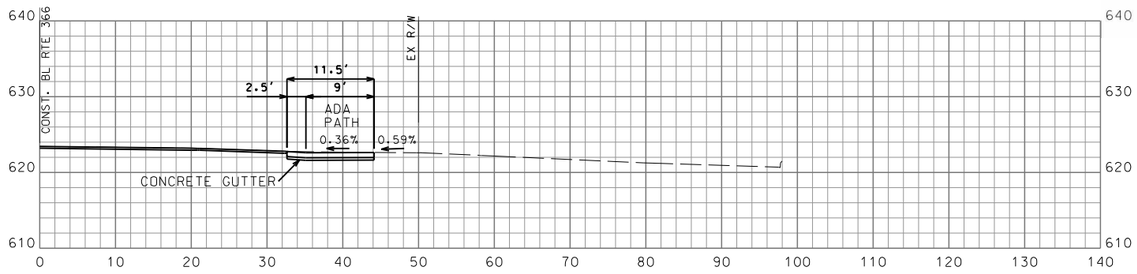
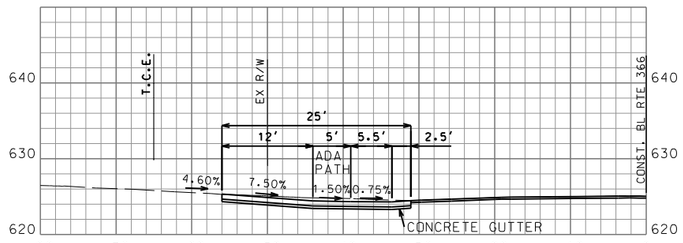
PARCEL 47
9800 WATSON RD
Sta. 2096+28 RT

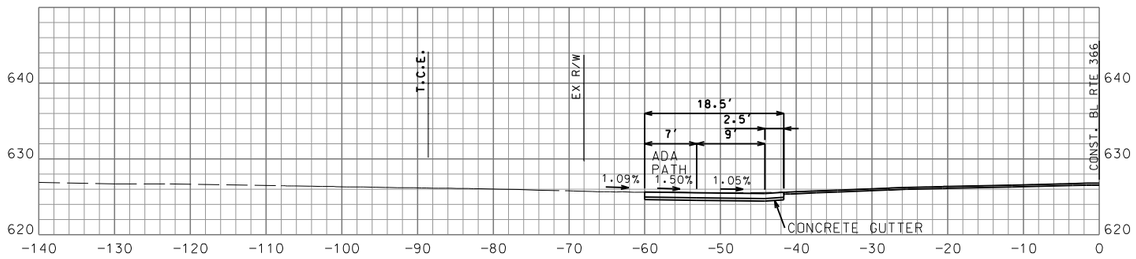
8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 1.1%
SEE PLAN SHEET 25 OF 73





PARCEL 46
9819 WATSON RD
Sta. 2095+47 LT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 3.5%
SEE PLAN SHEET 25 OF 73

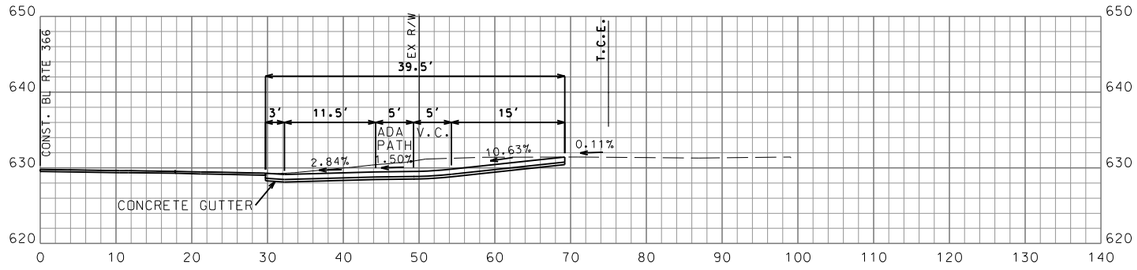


PARCEL 46
101 WATSON PLZ A
Sta. 2094+64 LT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 1.1%
SEE PLAN SHEET 25 OF 73

PARCEL 43
WATSON RIDGE DR
Sta. 2093+21 RT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 7.0%
SEE PLAN SHEET 24 OF 73



SHEET 13 OF 54

ENTRANCE PROFILES

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
07/29/2024 8:10:07 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	185

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr, Ste 300
Chesterfield, Missouri 63017
636.240.2444
www.gbateam.com
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

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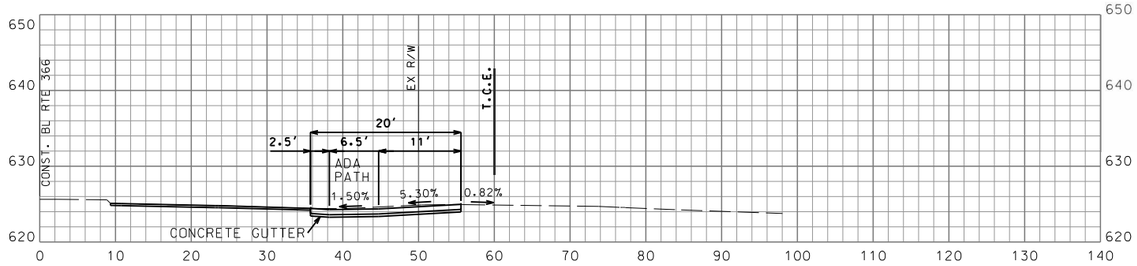
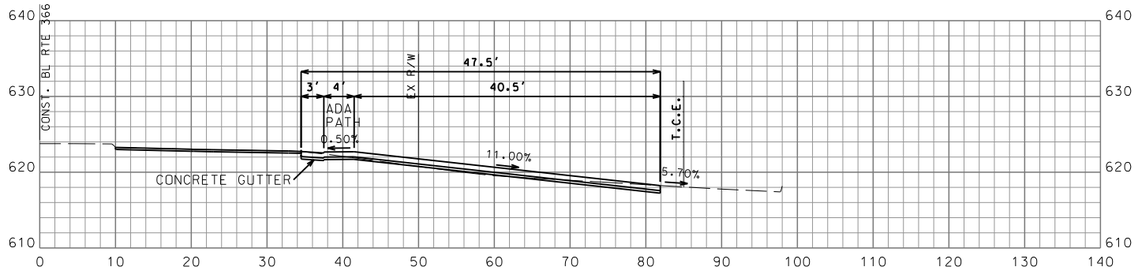
PARCEL 51
9730 WATSON RD
Sta. 2101+04 RT

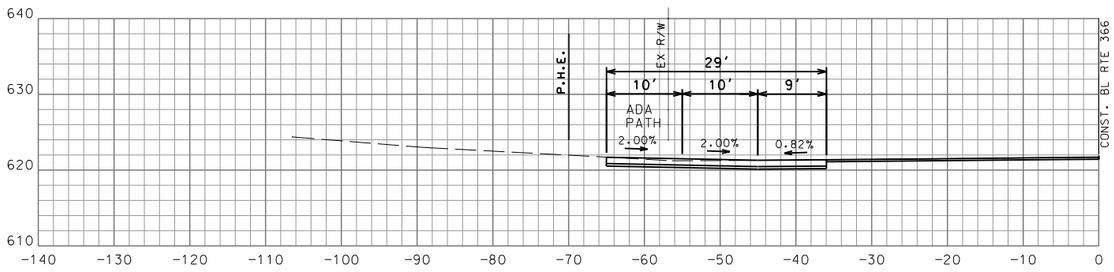
8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 2.5%
SEE PLAN SHEET 26 OF 73



PARCEL 50
9760 WATSON RD
Sta. 2100+00 RT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 13.7%
SEE PLAN SHEET 25 OF 73



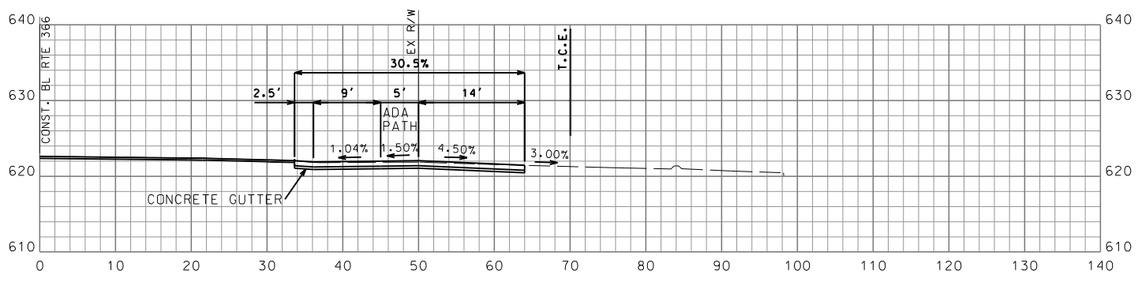


GLENWOOD DR
Sta. 2098+79.39 LT

9" PCC OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 5.6%
SEE PLAN SHEET 25 OF 73

PARCEL 48
9792 WATSON RD
Sta. 2096+86 RT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 1.9%
SEE PLAN SHEET 25 OF 73



SHEET 14 OF 54

ENTRANCE PROFILES

ROUTE 366
WATSON ROAD

BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
STATE OF MISSOURI
07/29/2024 8:10:07 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	186

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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Chesterfield, Missouri 63017
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GEORGE BUTLER ASSOCIATES, INC.
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ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

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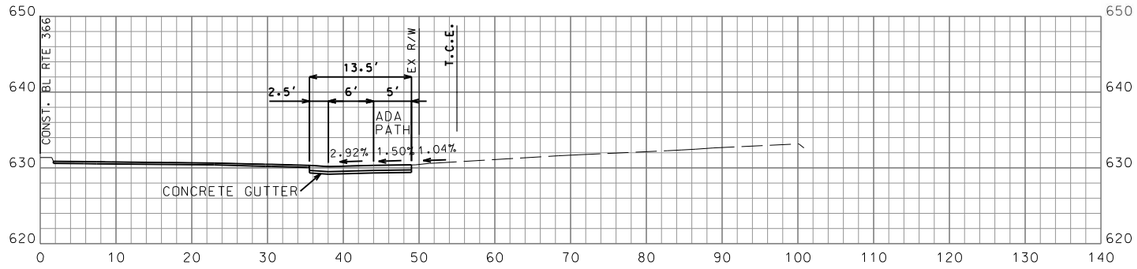
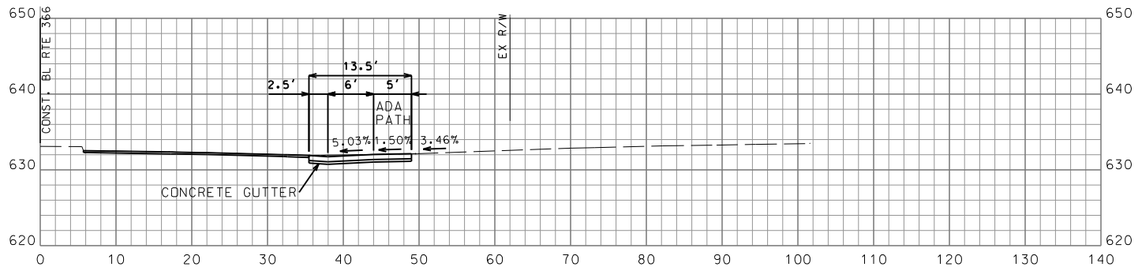
PARCEL 55
9666 WATSON RD
Sta. 2112+00 RT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 1.8%
SEE PLAN SHEET 28 OF 73



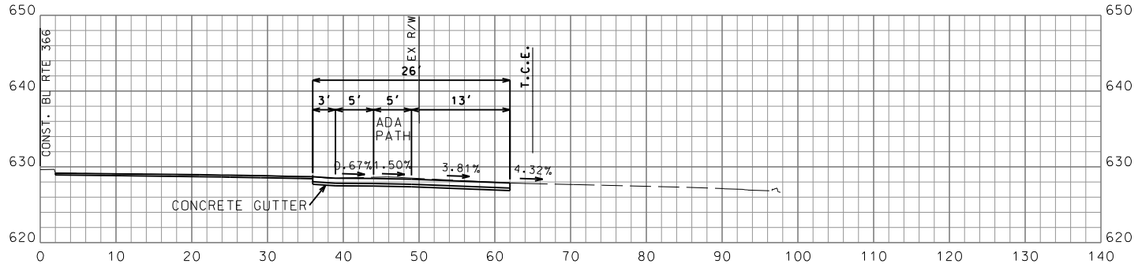
PARCEL 55
9666 WATSON RD
Sta. 2111+34 RT

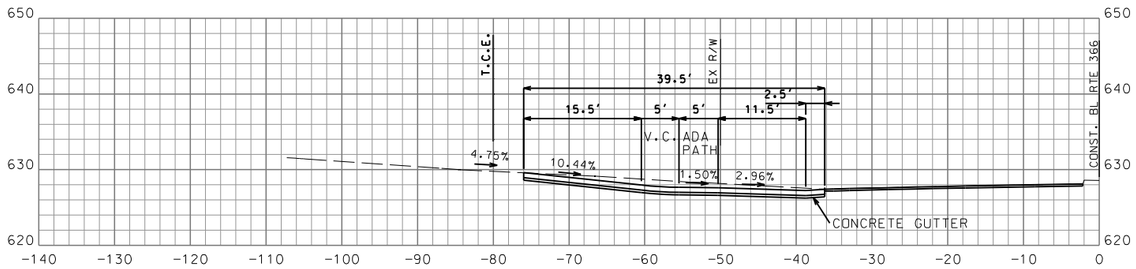
8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 1.6%
SEE PLAN SHEET 28 OF 73



PARCEL 51
9730 WATSON RD
Sta. 2103+43 RT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 3.1%
SEE PLAN SHEET 26 OF 73





PARCEL 52
9701 WATSON RD
Sta. 2102+76 LT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 5.7%
SEE PLAN SHEET 26 OF 73

BRIAN D. KIERATH JR. NUMBER PE-2023008624
STATE OF MISSOURI
PROFESSIONAL ENGINEER
07/29/2024 8:10:07 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	187

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SHEET 15 OF 54

ENTRANCE PROFILES

ROUTE 366
WATSON ROAD

REV.

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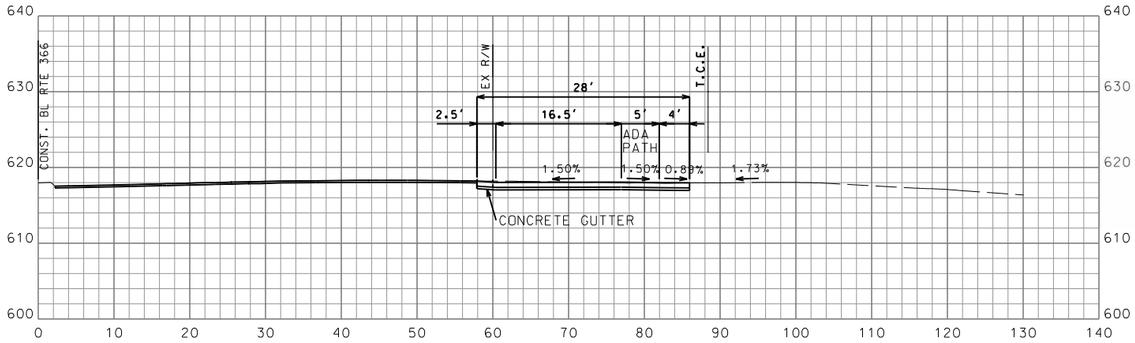
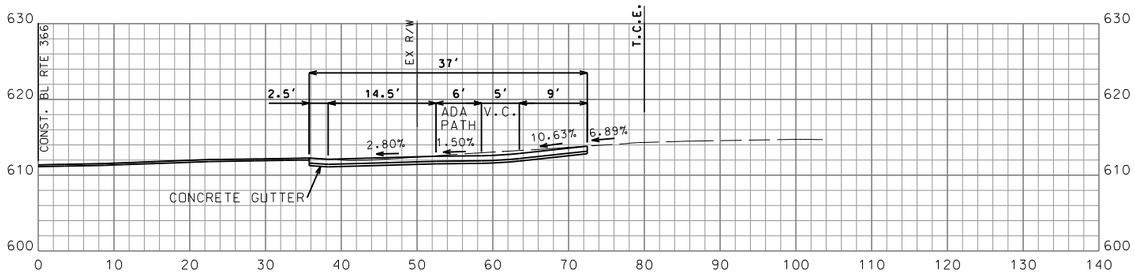
PARCEL 60
9540 WATSON RD
Sta. 2125+15 RT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 0.8%
SEE PLAN SHEET 30 OF 73



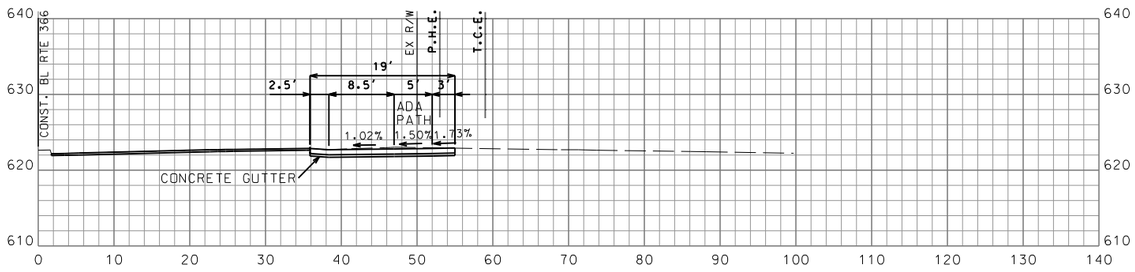
PARCEL 59
9560 WATSON RD
Sta. 2120+02 RT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 6.0%
SEE PLAN SHEET 29 OF 73



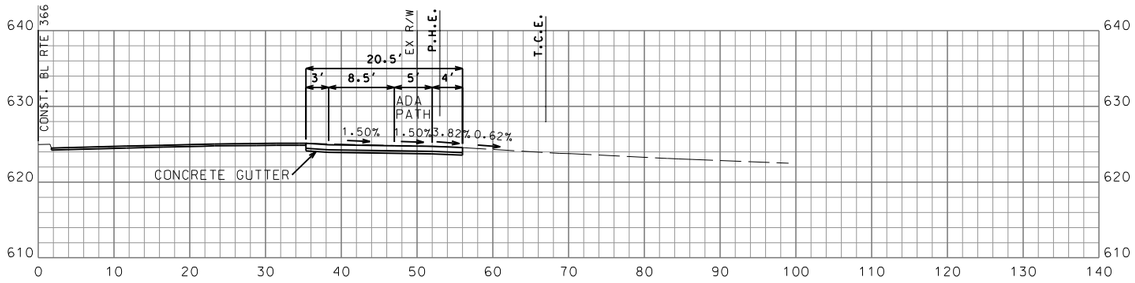
PARCEL 57
9600 WATSON RD
Sta. 2115+17 RT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 1.3%
SEE PLAN SHEET 29 OF 73



PARCEL 56
9618 WATSON RD
Sta. 2114+31 RT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 3.7%
SEE PLAN SHEET 28 OF 73



SHEET 16 OF 54

ENTRANCE PROFILES

ROUTE 366
WATSON ROAD

BRIAN D. KIERATH JR. NUMBER PE-2023008624
STATE OF MISSOURI
PROFESSIONAL ENGINEER
07/29/2024 8:10:07 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	188

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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16305 Swingley Ridge Dr., Ste 300
Chesterfield, Missouri 63017
636.240.2444
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GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

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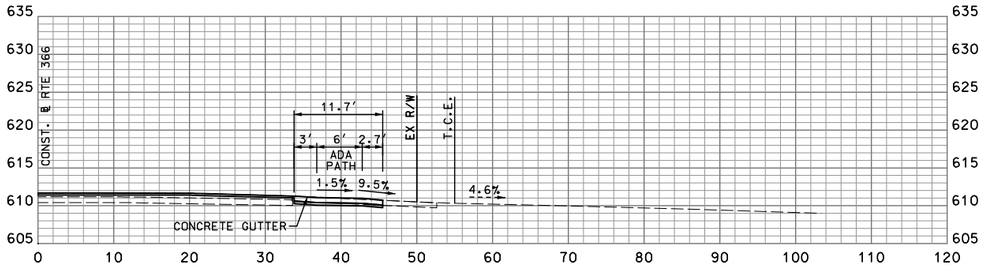
PARCEL 64
9400 WATSON RD
STA. 2131+55 RT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = -4.6%
SEE PLAN SHEET 32 OF 73



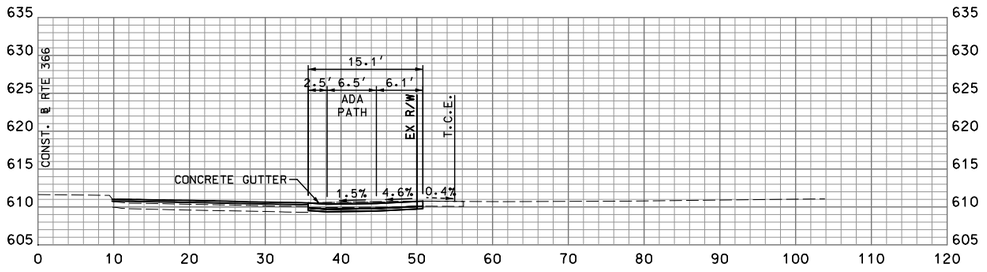
PARCEL 61
9400 WATSON RD
STA. 2131+08 RT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = -4.6%
SEE PLAN SHEET 32 OF 73



PARCEL 61
9420 WATSON RD
STA. 2129+10 RT

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 1.4%
SEE PLAN SHEET 31 OF 73



ENTRANCE PROFILES

MO ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2025025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	189

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

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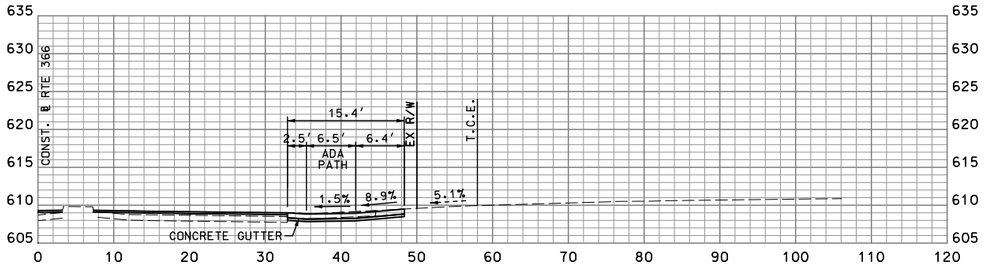
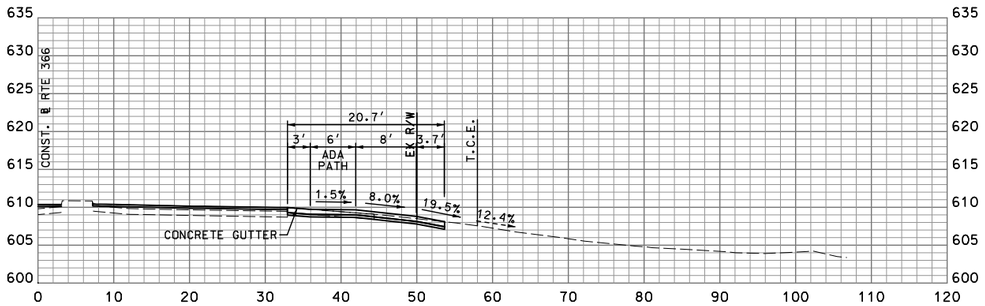
PARCEL 65
9300 WATSON RD
STA. 2133+97

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 5.1%
SEE PLAN SHEET 32 OF 73



PARCEL 64
9400 WATSON RD
STA. 2133+30

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = -9.2%
SEE PLAN SHEET 32 OF 73



SHEET 18 OF 54

ENTRANCE PROFILES

MO ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2025025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	190

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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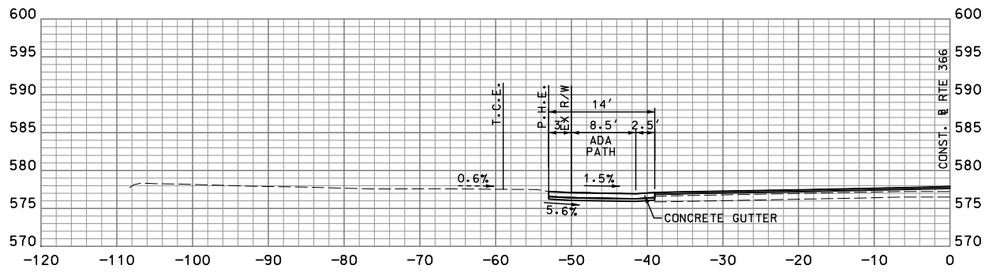
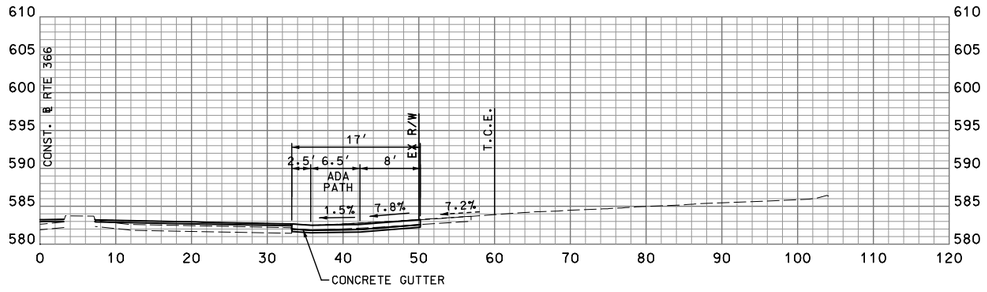


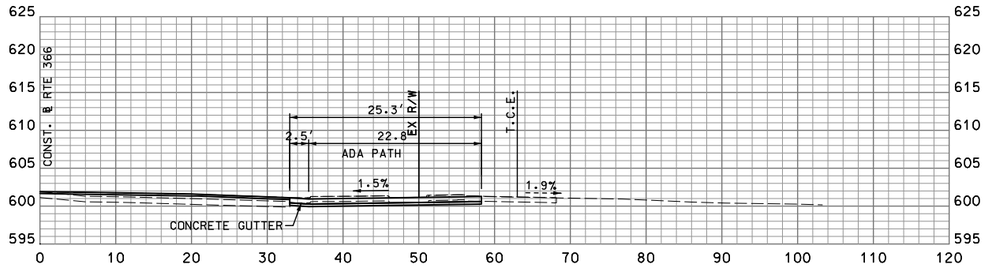
PARCEL 70
9201 WATSON RD
STA. 2141+19

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 2.5%
SEE PLAN SHEET 33 OF 73



PARCEL 69
9206 WATSON RD
STA. 2140+27

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 5.6%
SEE PLAN SHEET 33 OF 73



PARCEL 68
9291 WATSON RD
STA. 2136+65

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 1.4%
SEE PLAN SHEET 33 OF 73

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	191

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

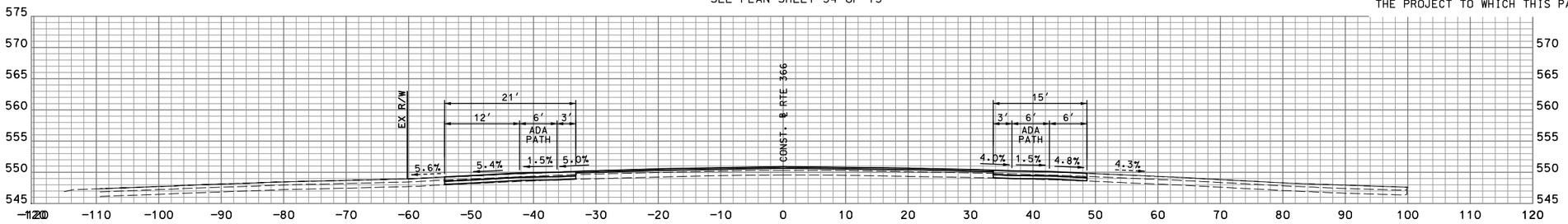
REV.

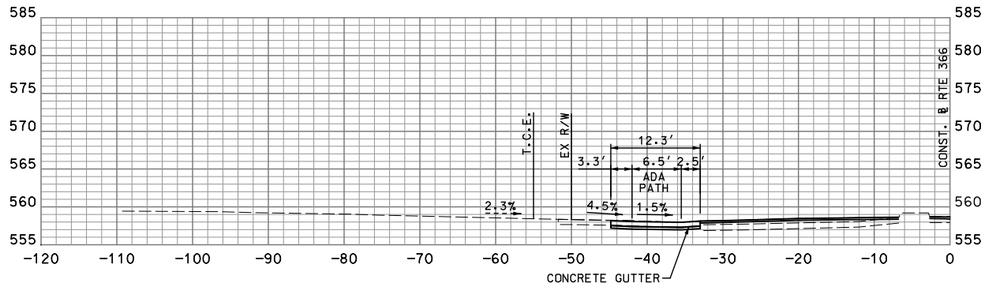
ENTRANCE PROFILES

MO ROUTE 366
WATSON ROAD

BROOKVIEW DR
STA. 2145+66

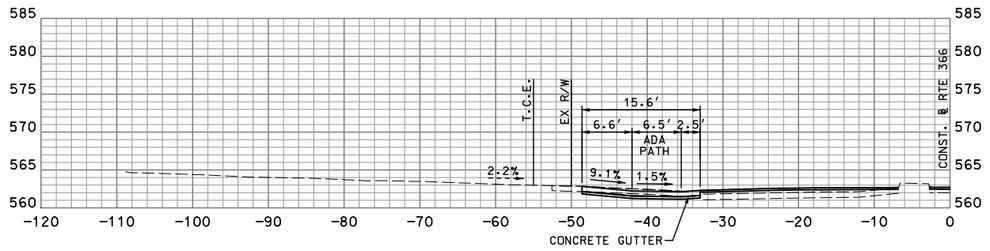
8.5" PCC OVER 6" TYPE 5 AGGREGATE BASE
EXIST. RIGHT DRIVEWAY SLOPE BEING REPLACED = -3%
EXIST. LEFT DRIVEWAY SLOPE BEING REPLACED = -4.3%
SEE PLAN SHEET 34 OF 73





PARCEL 73
9147 WATSON RD
STA. 2144+38

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 3.7%
SEE PLAN SHEET 34 OF 73

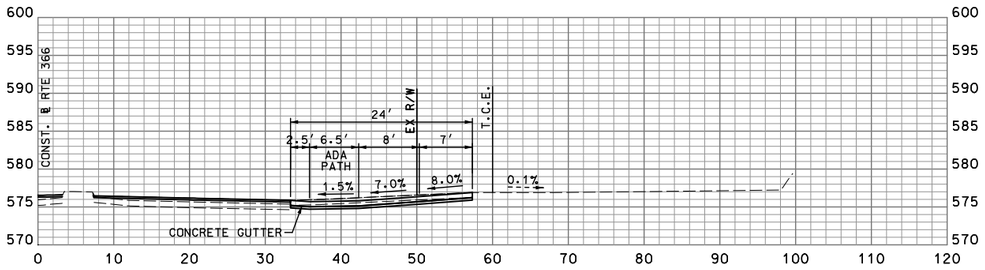


PARCEL 72
9177 WATSON RD
STA. 2143+71

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 4.8%
SEE PLAN SHEET 34 OF 73

PARCEL 71
9200 WATSON RD
STA. 2141+41

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 4.54%
SEE PLAN SHEET 33 OF 73



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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	192

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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ENGINEERING CORPORATION - 000631

ENTRANCE PROFILES

MO ROUTE 366
WATSON ROAD

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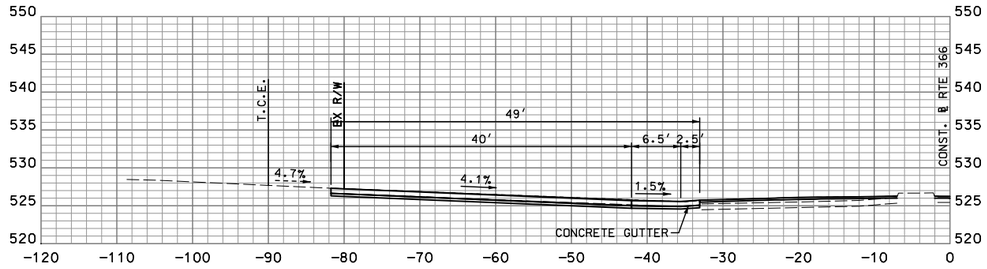
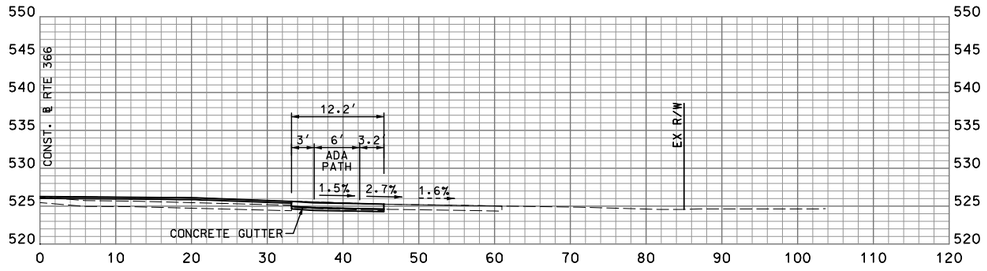


PARCEL 77
9031 WATSON RD
STA. 2150+68

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 4%
SEE PLAN SHEET 35 OF 73

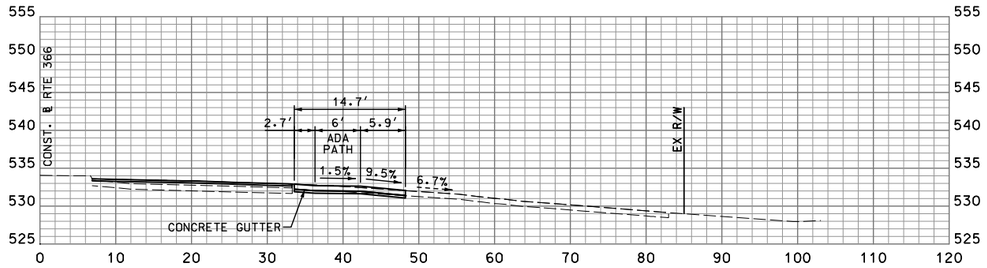
PARCEL 76
9052 WATSON RD
STA. 2150+63

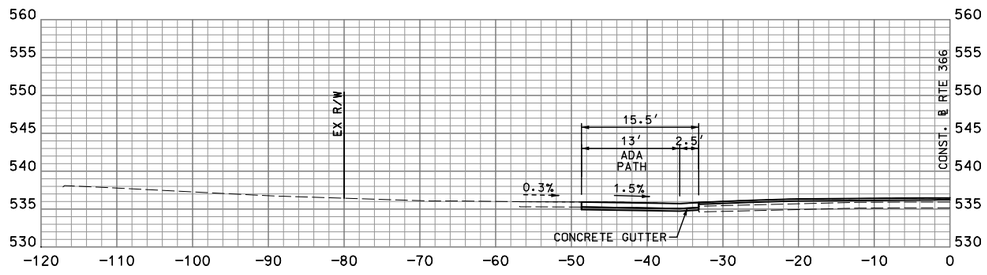
8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = -3.2%
SEE PLAN SHEET 35 OF 73



PARCEL 75
9100 WATSON RD
STA.2148+53

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = -5.86%
SEE PLAN SHEET 35 OF 73





9109 WATSON RD
STA. 2148+04

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 2.5%
SEE PLAN SHEET 35 OF 73

SHEET 21 OF 54

ENTRANCE PROFILES

MO ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	193

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
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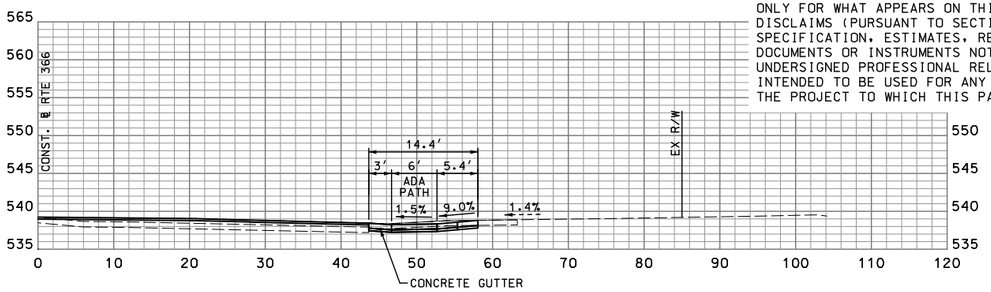
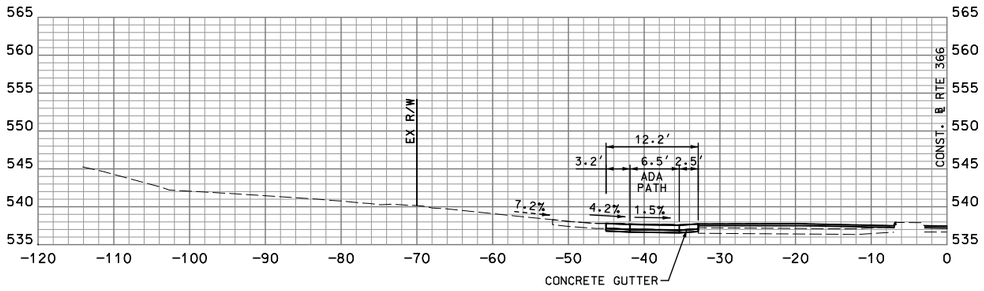
8971 PARDEE RD
STA. 2157+35

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 4.1%
SEE PLAN SHEET 36 OF 73



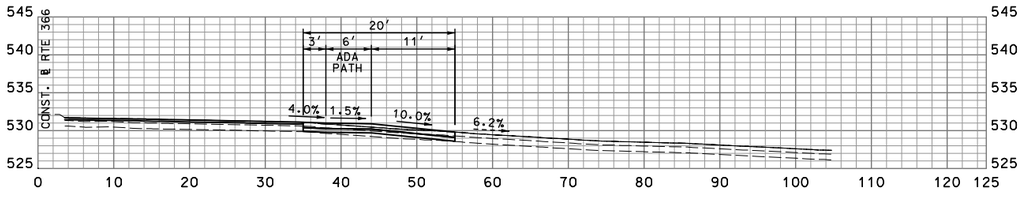
9005 WATSON RD
STA. 2156+81

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 1.6%
SEE PLAN SHEET 36 OF 73



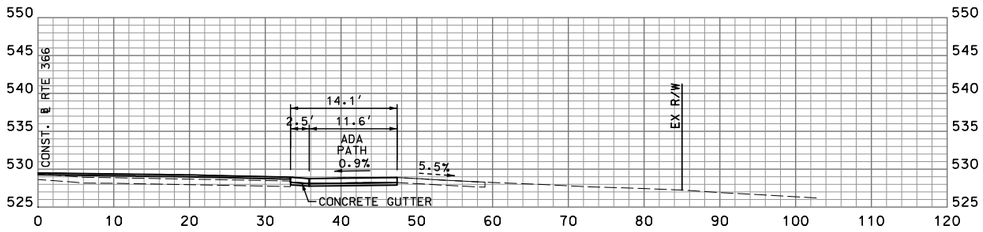
PARDEE LN
STA. 2154+18

8.5" PCC OVER 6" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = -7%
SEE PLAN SHEET 36 OF 73



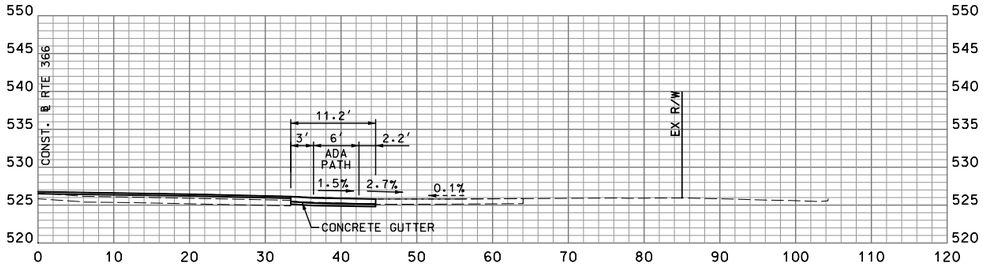
9044 WATSON RD
STA. 2153+07

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 1%
SEE PLAN SHEET 36 OF 73



PARCEL 76
9052 WATSON RD
STA. 2151+60

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = -3.1%
SEE PLAN SHEET 35 OF 73



SHEET 22 OF 54

ENTRANCE PROFILES

MO ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	194

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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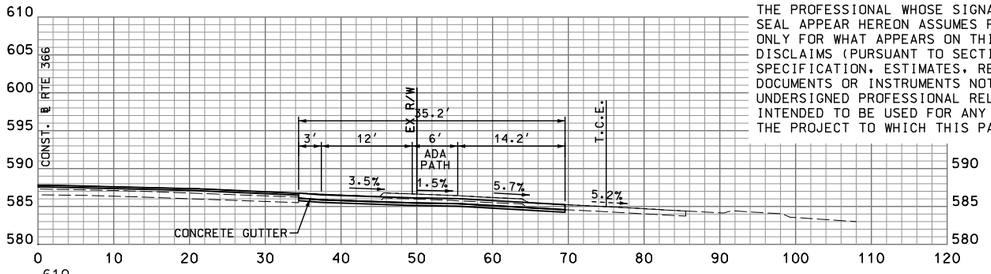
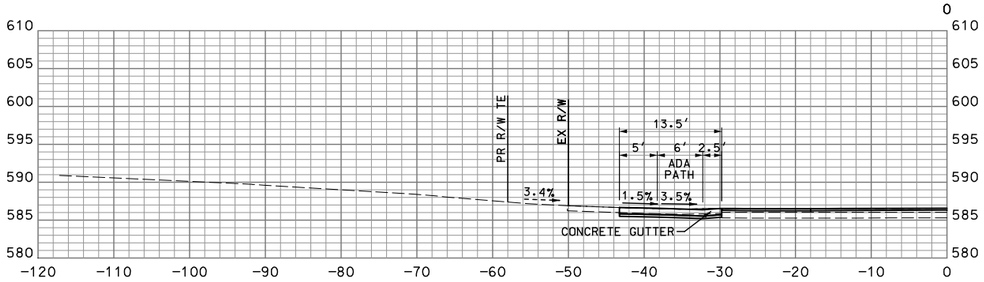
REV.

PARCEL 81
1270 PRICE RD
STA. 2165+61

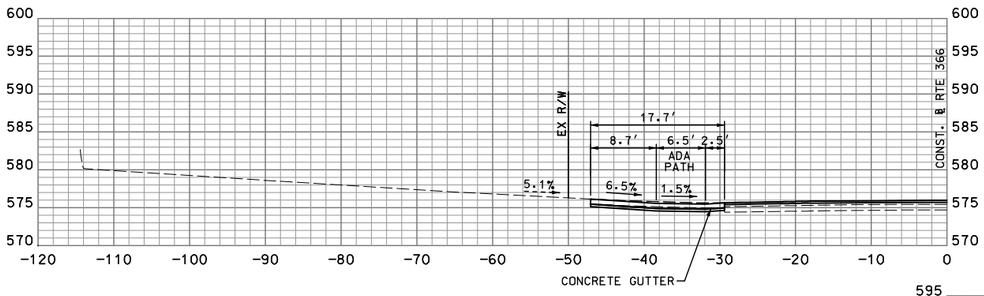
8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = -4.3%
SEE PLAN SHEET 38 OF 73





PARCEL 80
8925 WATSON RD
STA. 2165+39

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 3.5%
SEE PLAN SHEET 38 OF 73

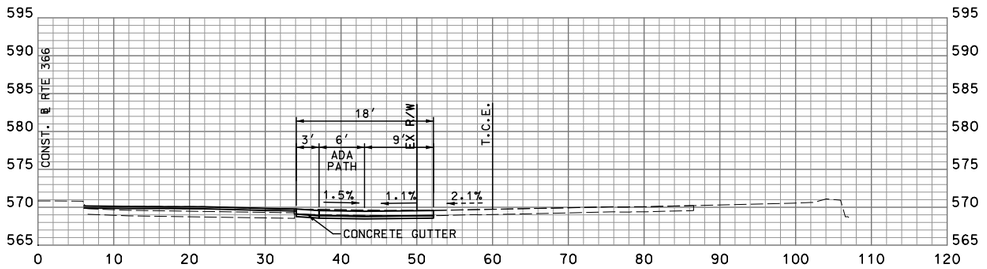


PARCEL 80
8969 WATSON RD
STA. 2163+64

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 3%
SEE PLAN SHEET 38 OF 73

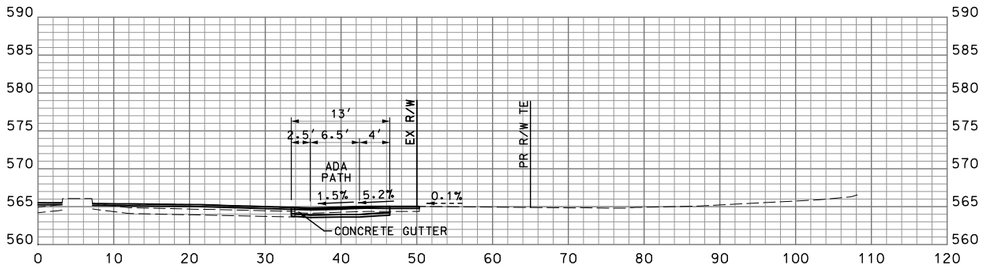
PARCEL 79
1270 PRICE RD
STA. 2162+71

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = -1.7%
SEE PLAN SHEET 38 OF 73



PARCEL 78
8950 WATSON RD
STA. 2161+92

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 3.2%
SEE PLAN SHEET 37 OF 73



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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	195

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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JEFFERSON CITY, MO 65102
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SHEET 23 OF 54

ENTRANCE PROFILES

MO ROUTE 366
WATSON ROAD

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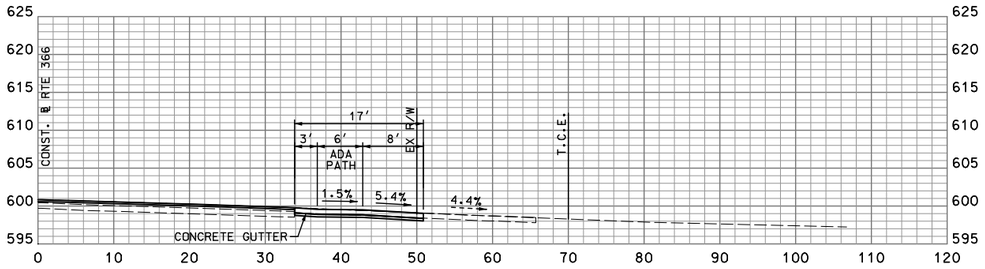
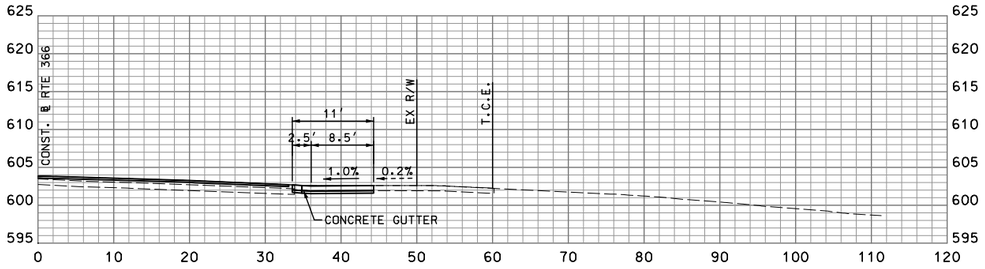
PARCEL 83
8720 WATSON RD
STA. 2172+82

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = -4.3%
SEE PLAN SHEET 40 OF 73



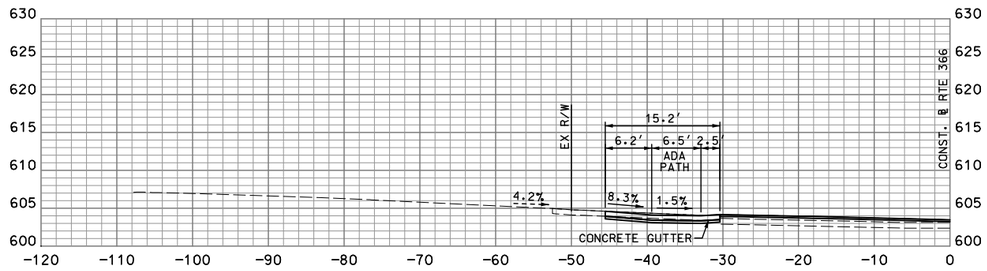
PARCEL 82
8790 WATSON RD
STA. 2169+54

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 0.1%
SEE PLAN SHEET 39 OF 73



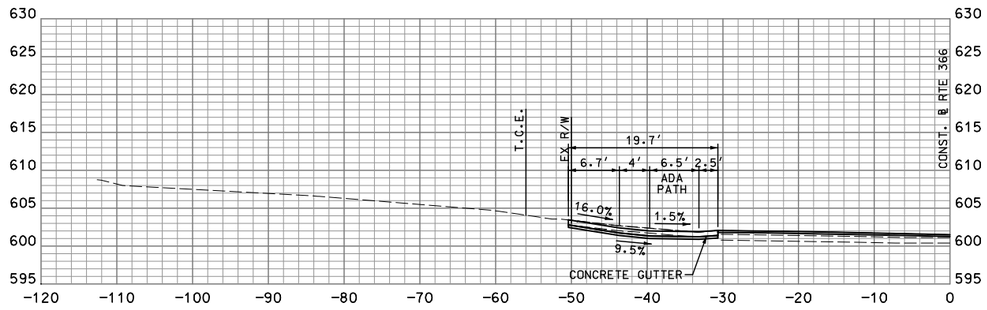
8773 WATSON RD
STA. 2169+27

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 4.2%
SEE PLAN SHEET 39 OF 73



PARCEL 81
8793 WATSON RD
STA. 2168+39

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 9.3%
SEE PLAN SHEET 39 OF 73



SHEET 24 OF 54

ENTRANCE PROFILES

MO ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	196

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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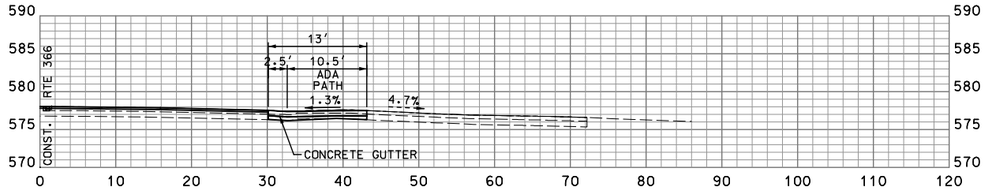
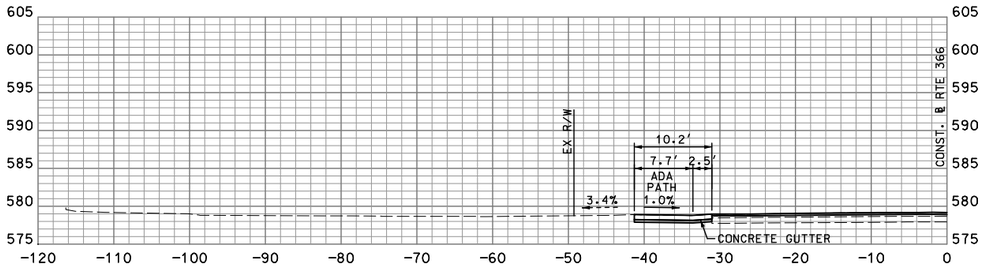
BLACKTHORN RD SB
STA. 2180+62

8.5" PCC OVER 6" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 2.4%
SEE PLAN SHEET 41 OF 73



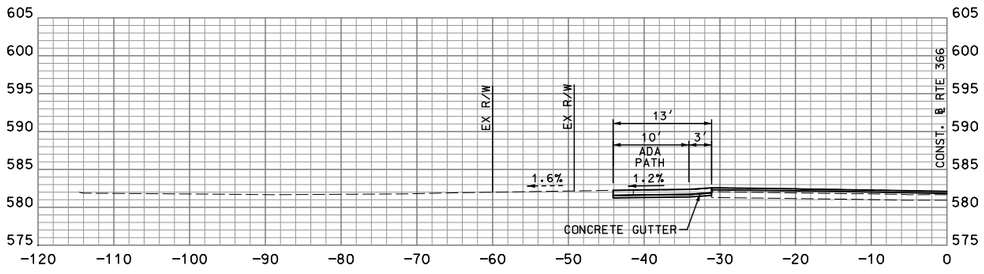
8651 WATSON RD
STA. 2178+90

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 2.2%
SEE PLAN SHEET 41 OF 73



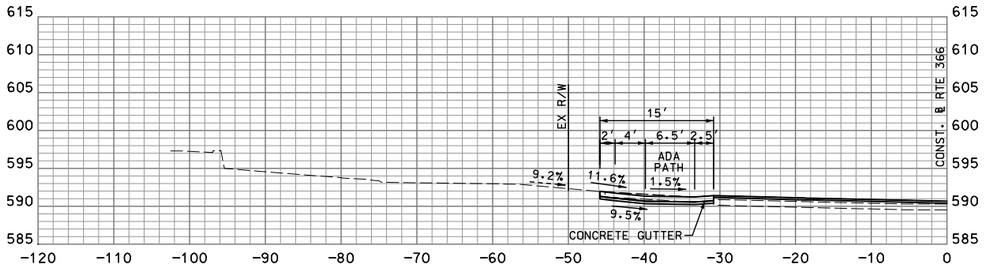
8711 WATSON RD
STA. 2178+02

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = -1.1%
SEE PLAN SHEET 41 OF 73



8717 WATSON RD
STA. 2176+26

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 5.8%
SEE PLAN SHEET 40 OF 73



STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	197

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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SHEET 25 OF 54

ENTRANCE PROFILES

MO ROUTE 366
WATSON ROAD

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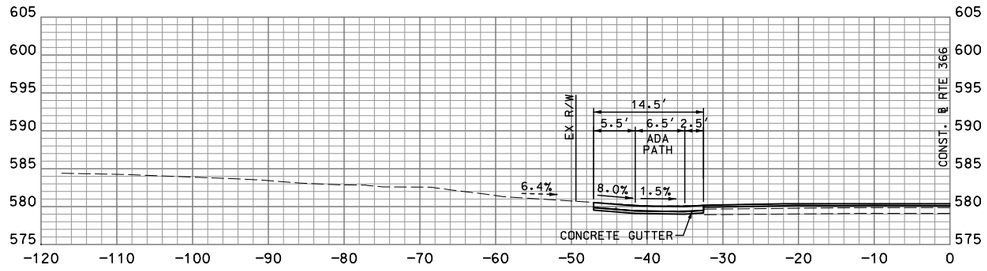
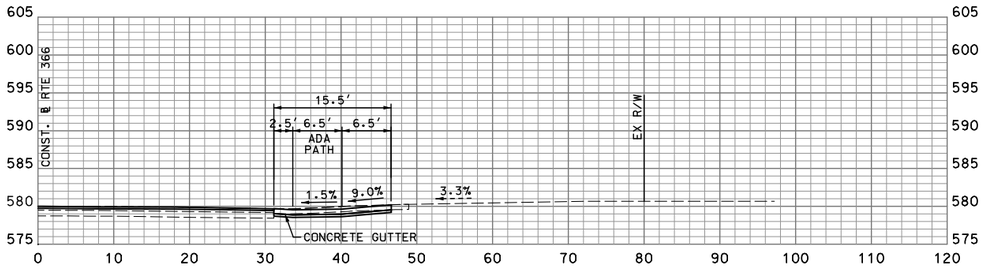


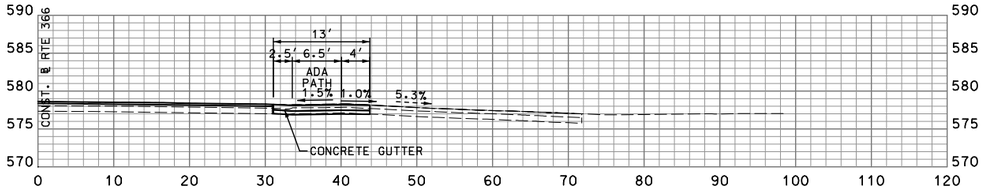
8641 WATSON RD
STA. 2181+78

8″ PAVED APPROACH OVER 4″ TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 6.6%
SEE PLAN SHEET 42 OF 73



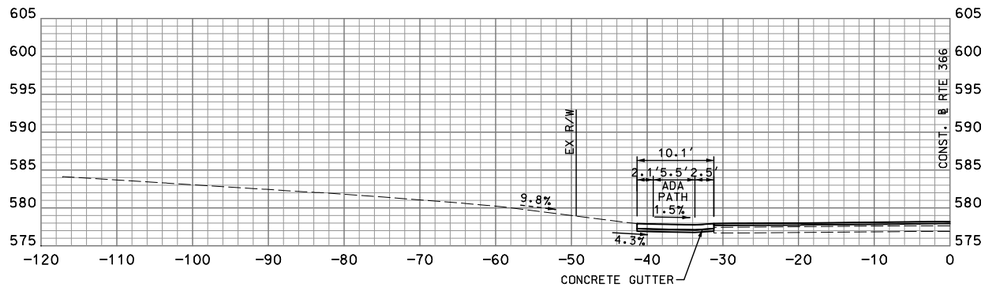
8654 WATSON RD
STA. 2181+65

8″ PAVED APPROACH OVER 4″ TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 4.2%
SEE PLAN SHEET 42 OF 73



BLACKTHORN RD NB
STA. 2181+03

8.5″ PCC OVER 6″ TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 1.8%
SEE PLAN SHEET 41 OF 73



8651 WATSON RD
STA. 2180+76

8″ PAVED APPROACH OVER 4″ TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 2.5%
SEE PLAN SHEET 41 OF 73

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	198

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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ENTRANCE PROFILES

MO ROUTE 366
WATSON ROAD

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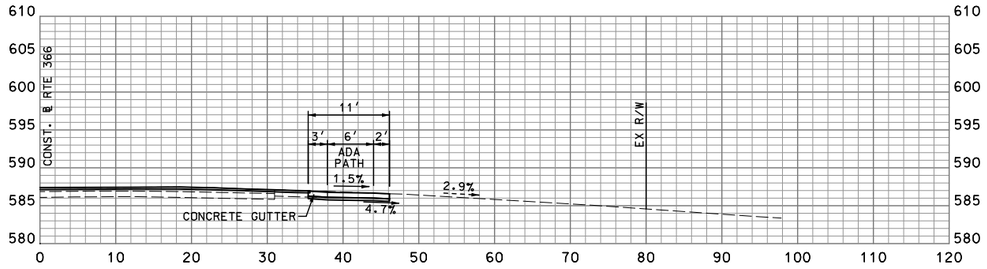
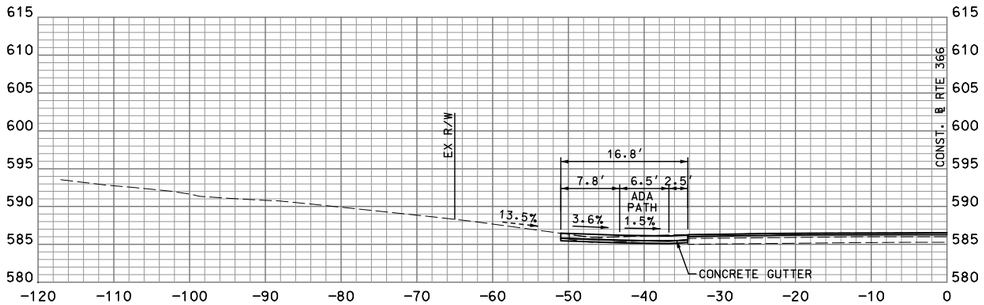
8600 WATSON RD
STA. 2183+59

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = -4.1%
SEE PLAN SHEET 42 OF 73



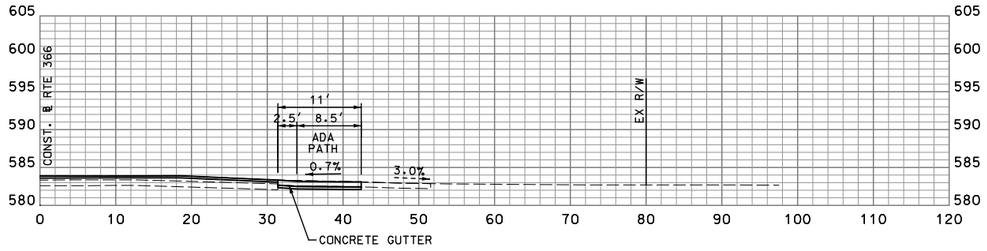


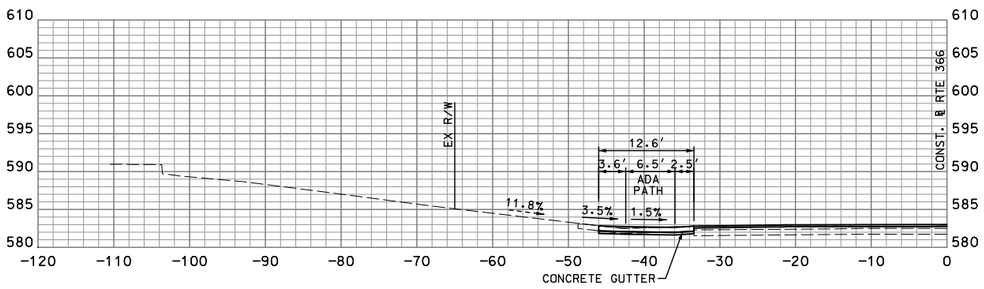
8627 WATSON RD
STA. 2183+35

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = -3.2%
SEE PLAN SHEET 42 OF 73

8650 WATSON RD
STA. 2182+69

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = -2%
SEE PLAN SHEET 42 OF 73





8631 WATSON RD
STA. 2182+48

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = -3.4%
SEE PLAN SHEET 42 OF 73

SHEET 27 OF 54

ENTRANCE PROFILES

MO ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	199

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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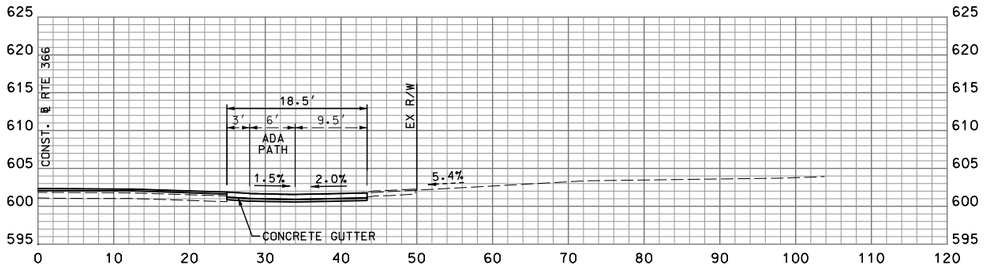
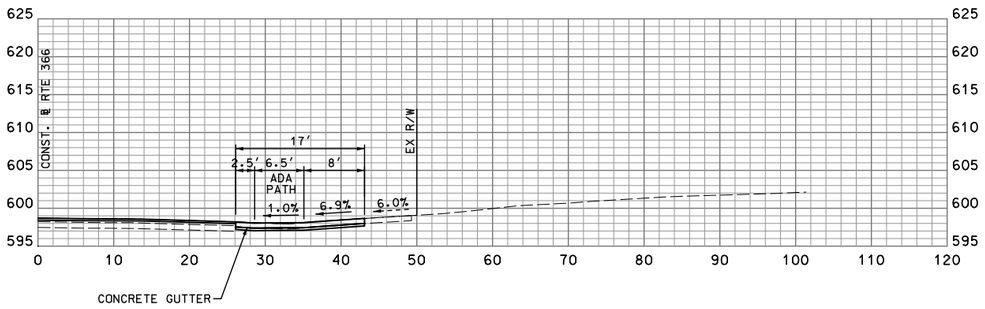
8562 WATSON RD
STA. 2189+38

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 1.7%
SEE PLAN SHEET 43 OF 73



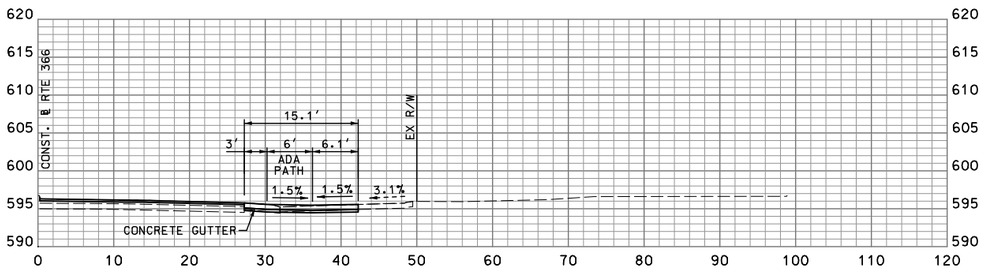
8562 WATSON RD
STA. 2188+64

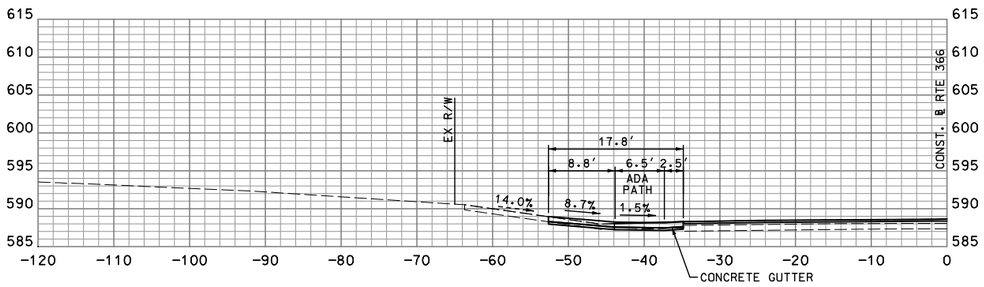
8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 7.3%
SEE PLAN SHEET 43 OF 73



PARCEL 86
8570 WATSON RD
STA. 2188+03

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 3%
SEE PLAN SHEET 43 OF 73





8623 WATSON RD
STA. 2183+99

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = -2.9%
SEE PLAN SHEET 42 OF 73

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	200

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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ENTRANCE PROFILES

MO ROUTE 366
WATSON ROAD

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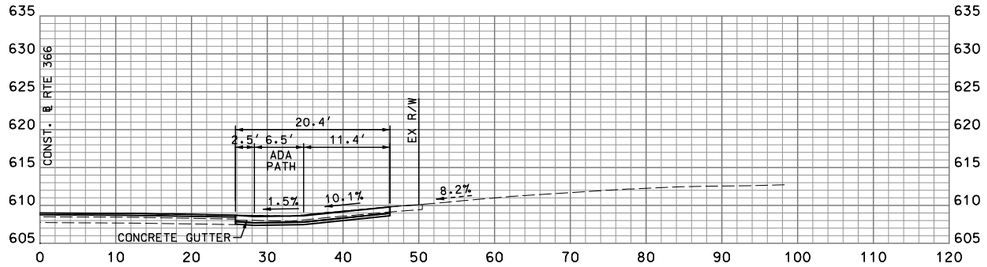
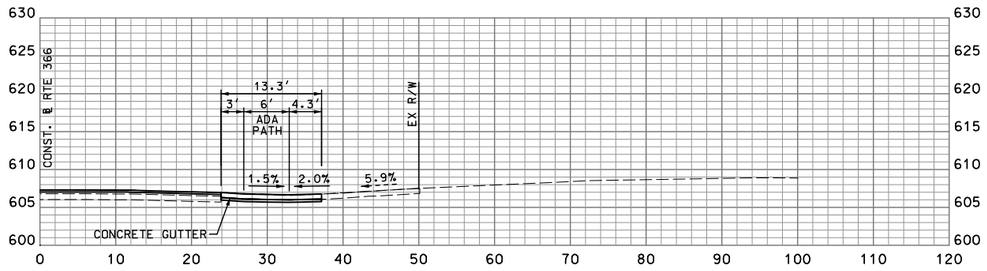
8544 WATSON RD
STA. 2191+20

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 9.4%
SEE PLAN SHEET 44 OF 73



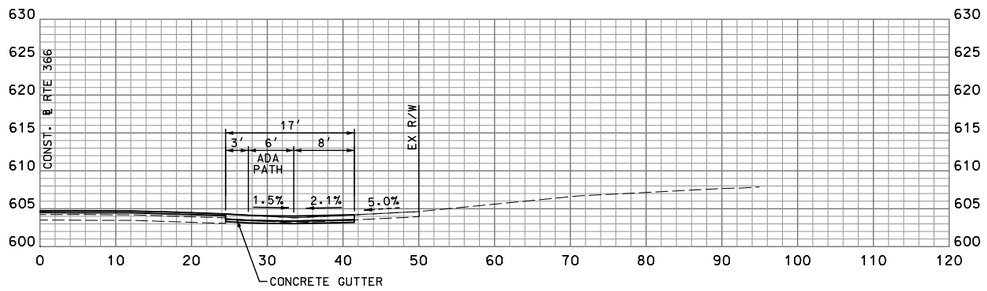
8556 WATSON RD
STA. 2190+59

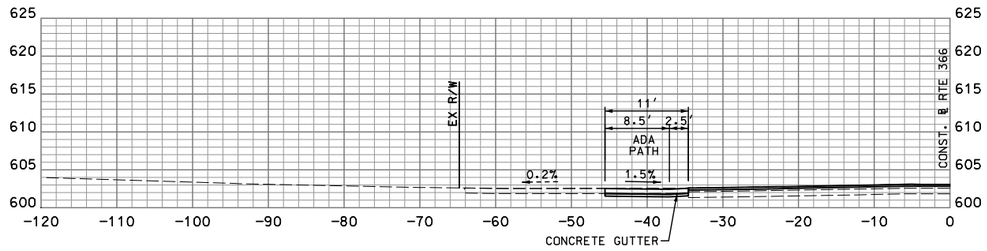
8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = -4.5%
SEE PLAN SHEET 44 OF 73



8556 WATSON RD
STA. 2189+90

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 5%
SEE PLAN SHEET 43 OF 73





8571 WATSON RD
STA. 2189+53

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = -0.2%
SEE PLAN SHEET 43 OF 73

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2025025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	201

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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SHEET 29 OF 54

ENTRANCE PROFILES

MO ROUTE 366
WATSON ROAD

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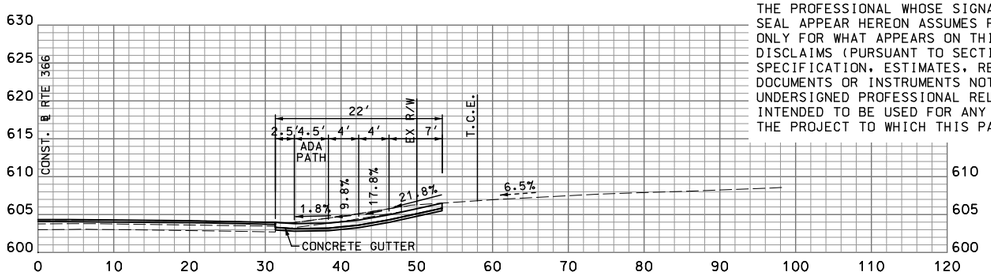
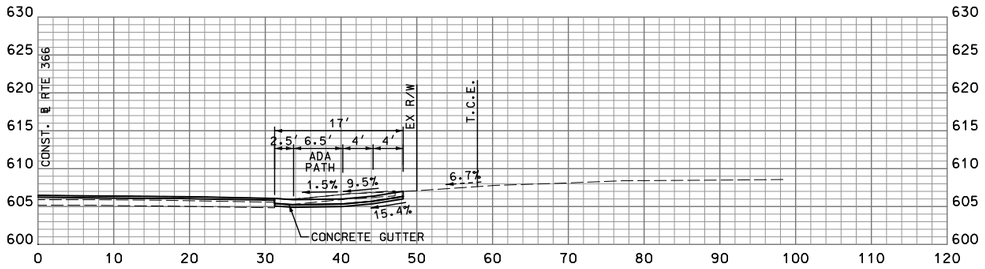
PARCEL 89
8500 WATSON RD
STA. 2195+76

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 14.7%
SEE PLAN SHEET 45 OF 73



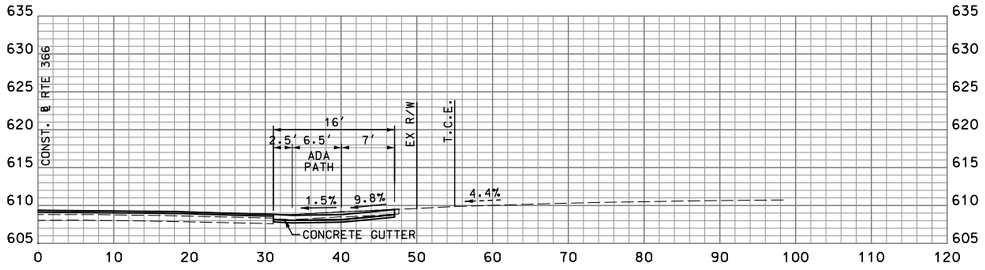
PARCEL 89
8500 WATSON RD
STA. 2195+20

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 7%
SEE PLAN SHEET 44 OF 73



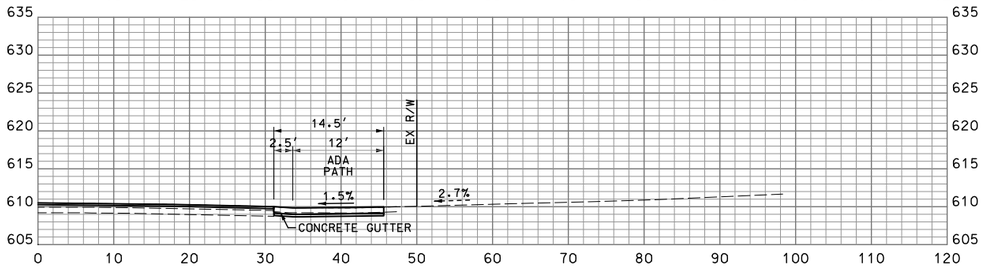
PARCEL 88
8520 WATSON RD
STA. 2194+19

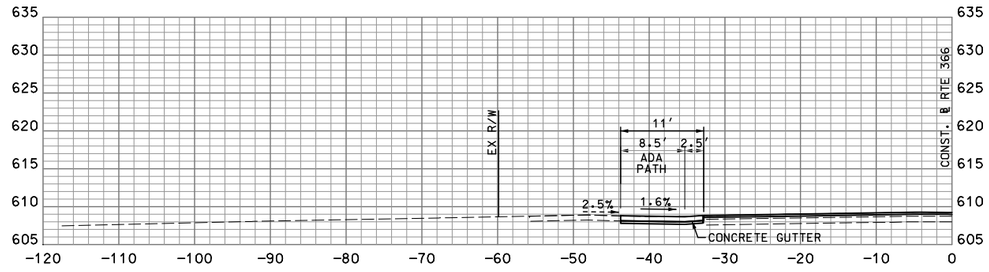
8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 5.1%
SEE PLAN SHEET 44 OF 73



8534 WATSON RD
STA. 2193+45

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 0.8%
SEE PLAN SHEET 44 OF 73





8567 WATSON RD
STA. 2191+29

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 2%
SEE PLAN SHEET 44 OF 73

SHEET 30 OF 54

ENTRANCE PROFILES

MO ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	202

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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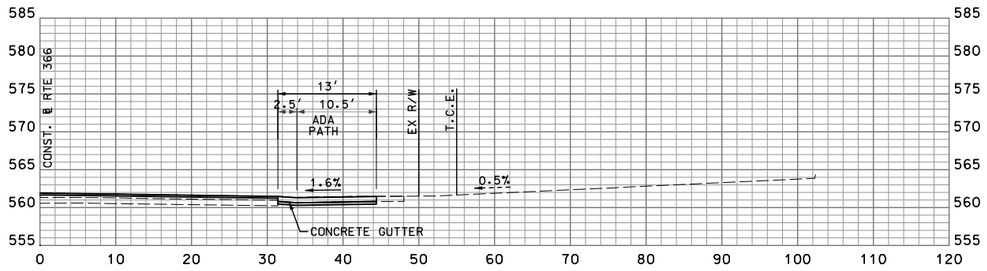
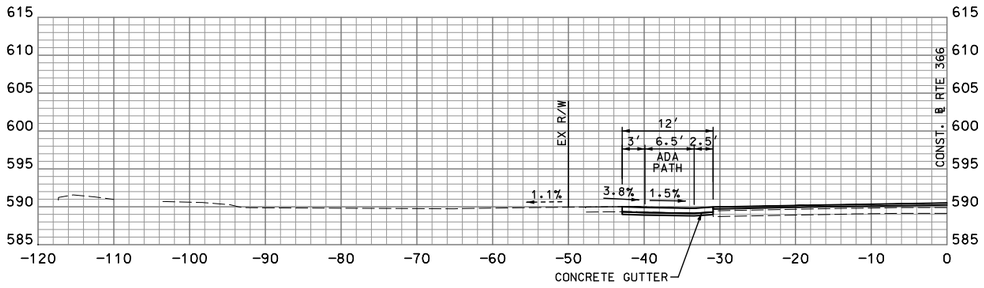
PARCEL 93
8330 WATSON RD
STA. 2211+40

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 1.7%
SEE PLAN SHEET 47 OF 73



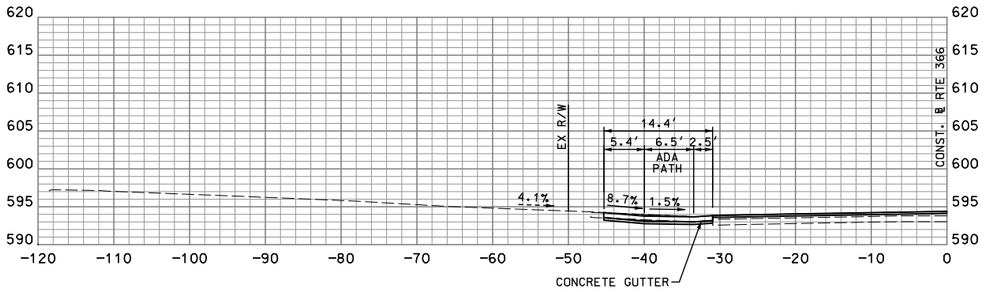
8455 WATSON RD
STA. 2199+27

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 3%
SEE PLAN SHEET 45 OF 73



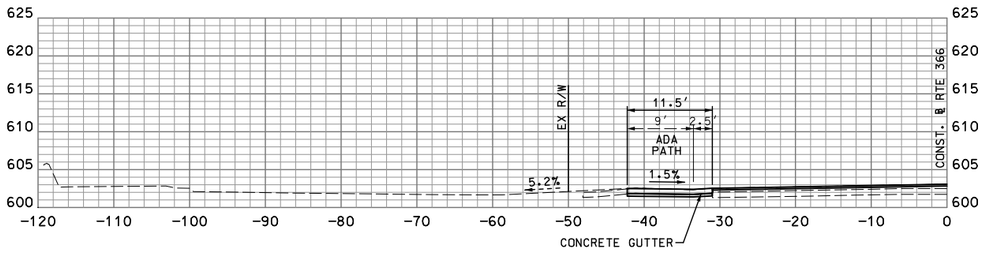
8455 WATSON RD
STA. 2198+28

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 4.4%
SEE PLAN SHEET 45 OF 73



8537 WATSON RD
STA. 2196+08

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 2.8%
SEE PLAN SHEET 45 OF 73



STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	203

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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SHEET 31 OF 54

ENTRANCE PROFILES

MO ROUTE 366
WATSON ROAD

REV.

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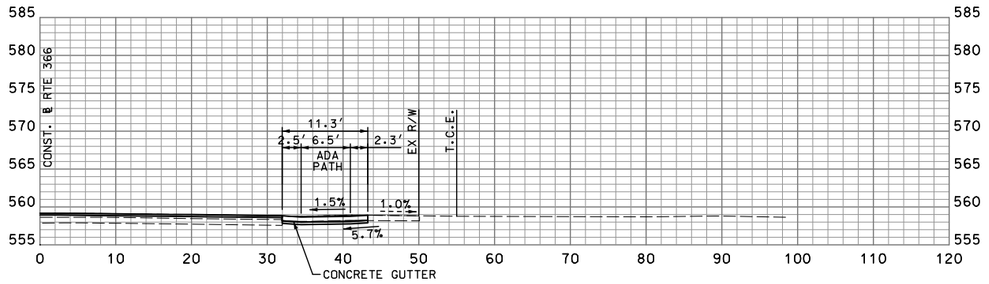
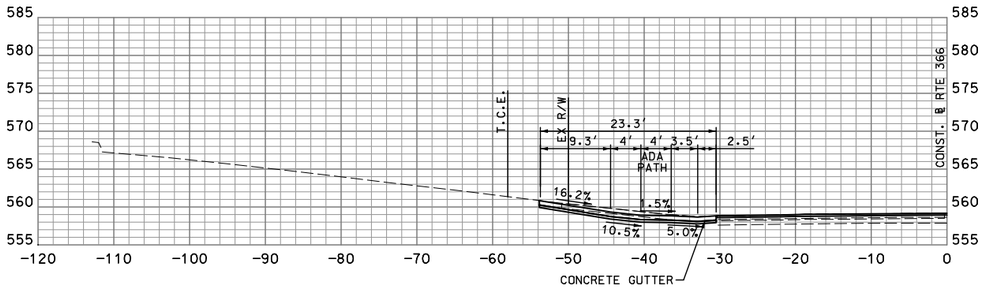
PARCEL 95
8300 WATSON RD
STA. 2215+82

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 2.6%
SEE PLAN SHEET 48 OF 73



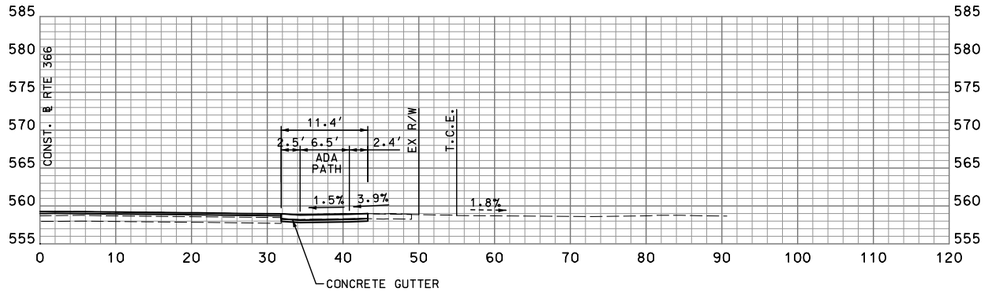


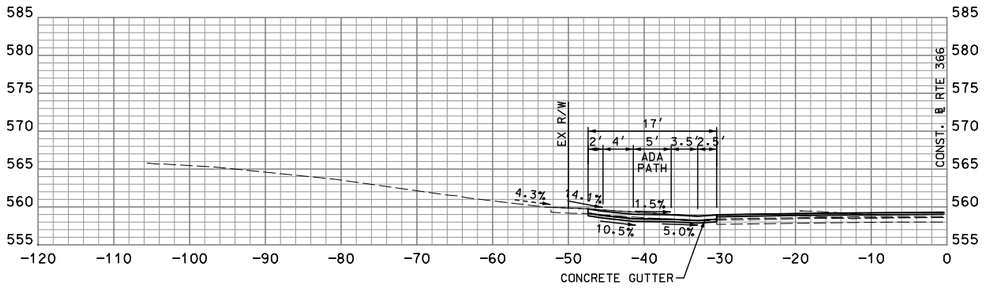
PARCEL 97
8271 WATSON RD
STA. 2215+80

7" PAVED APPROACH (HIGH EARLY STRENGTH) OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 10.5%
SEE PLAN SHEET 48 OF 73

PARCEL 95
8300 WATSON RD
STA. 2215+14

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 2.2%
SEE PLAN SHEET 48 OF 73





PARCEL 96
8275 WATSON RD
STA. 2214+94

7" PAVED APPROACH (HIGH EARLY STRENGTH) OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 6.6%
SEE PLAN SHEET 48 OF 73

SHEET 32 OF 54

ENTRANCE PROFILES

MO ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	204

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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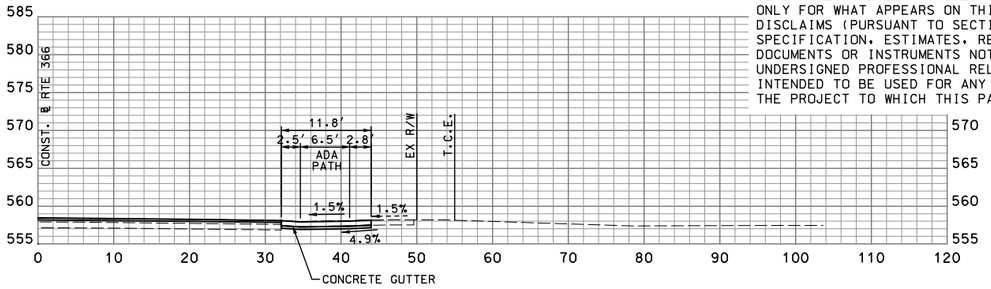
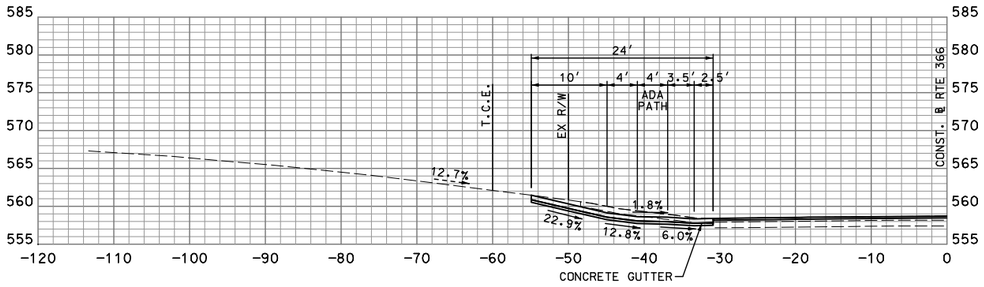
PARCEL 102
8250 WATSON RD
STA. 2217+75

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 2.1%
SEE PLAN SHEET 49 OF 73



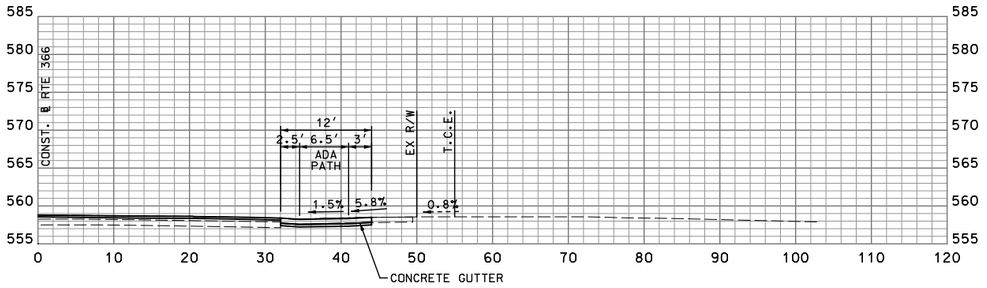
PARCEL 101
8257 WATSON RD
STA. 2217+33

7" PAVED APPROACH (HIGH EARLY STRENGTH) OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 13.6%
SEE PLAN SHEET 48 OF 73



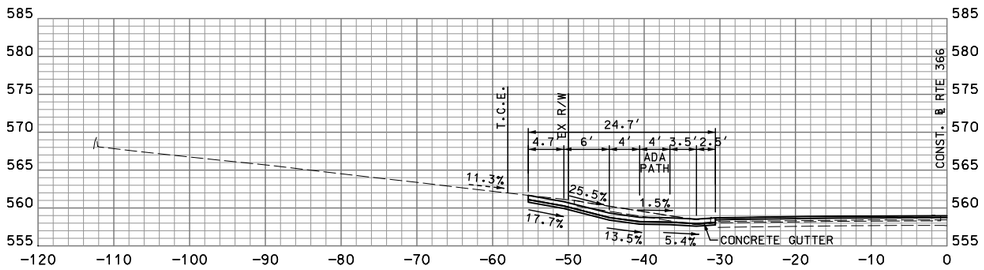
PARCEL 99
8254 WATSON RD
STA. 2217+16

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 2.7%
SEE PLAN SHEET 48 OF 73



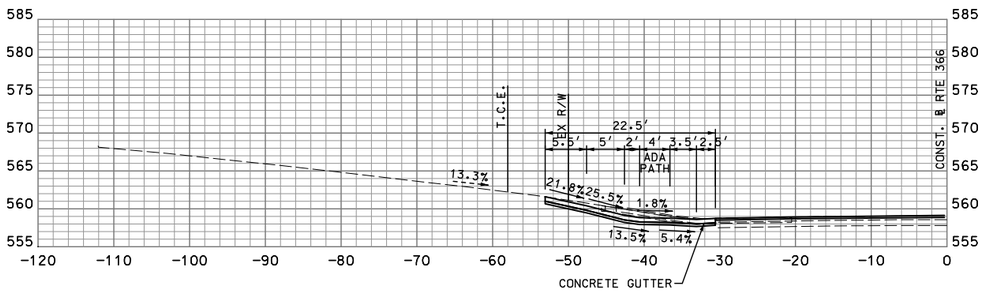
PARCEL 100
8261 WATSON RD
STA. 2216+81

7" PAVED APPROACH (HIGH EARLY STRENGTH) OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 15.5%
SEE PLAN SHEET 48 OF 73



PARCEL 98
8265 WATSON RD
STA. 2216+30

7" PAVED APPROACH (HIGH EARLY STRENGTH) OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 15.7%
SEE PLAN SHEET 48 OF 73



STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	205

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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DESCRIPTION	DATE

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SHEET 33 OF 54

ENTRANCE PROFILES

MO ROUTE 366
WATSON ROAD

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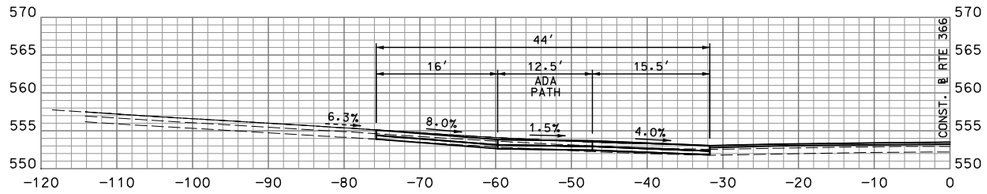
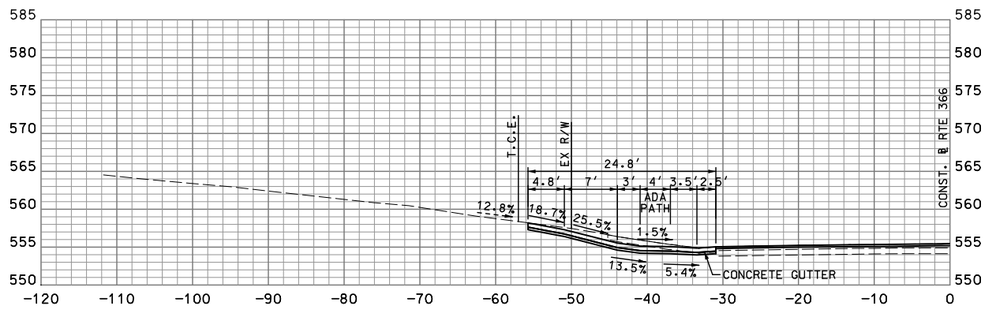


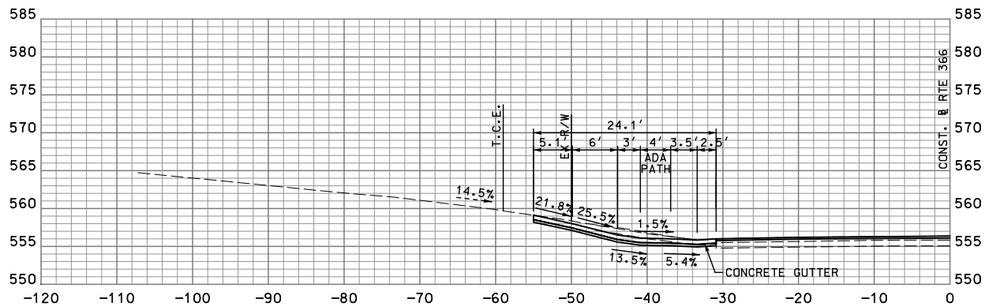
EDGAR ROAD
STA. 2220+90

8.5" PCC OVER 6" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 6.0%
SEE PLAN SHEET 49 OF 73



PARCEL 104
8237 WATSON RD
STA. 2219+83

7" PAVED APPROACH (HIGH EARLY STRENGTH) OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 15.8%
SEE PLAN SHEET 49 OF 73

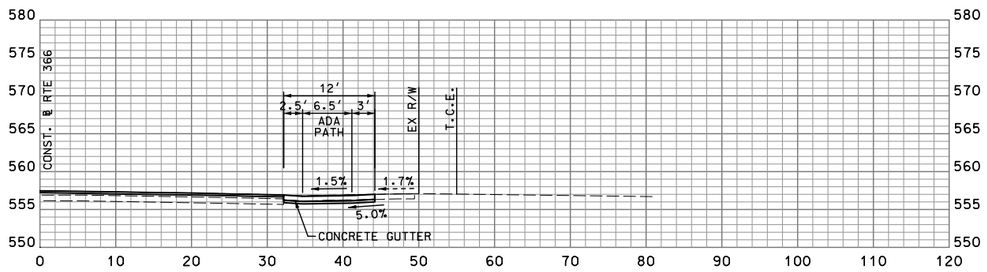


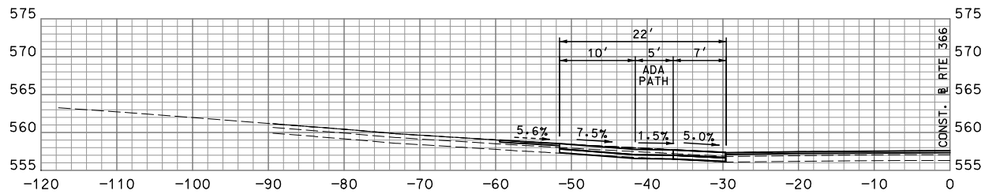
PARCEL 103
8241WATSON RD
STA. 2219+31

7" PAVED APPROACH (HIGH EARLY STRENGTH) OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 15.7%
SEE PLAN SHEET 49 OF 73

PARCEL 103
8241 WATSON RD
STA. 2218+59

8" PAVED APPROACH (HIGH EARLY STRENGTH) OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 2.3%
SEE PLAN SHEET 49 OF 73





GIRARD DRIVE
STA. 2218+51

8.5" PCC OVER 6" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 5.3%
SEE PLAN SHEET 49 OF 73

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2025025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	206

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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SHEET 34 OF 54

ENTRANCE PROFILES

MO ROUTE 366
WATSON ROAD

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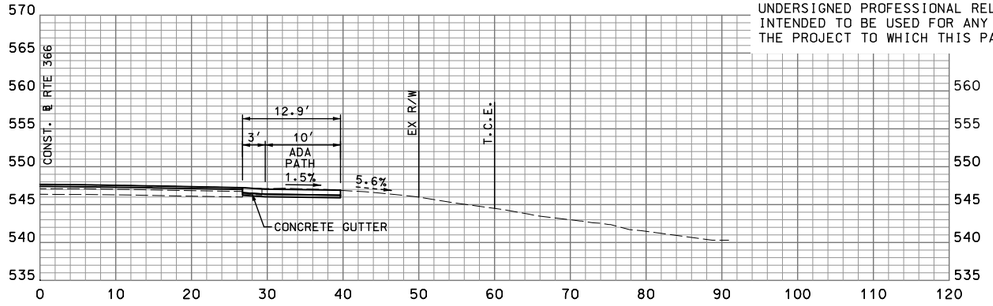
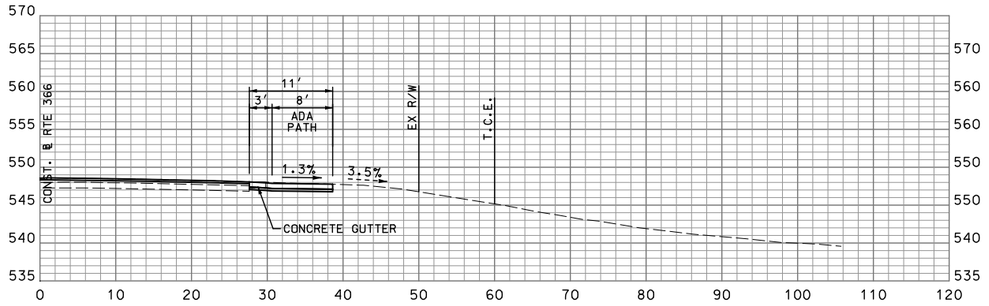
PARCEL 107
8208 WATSON RD
STA. 2224+11

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = -3%
SEE PLAN SHEET 50 OF 73



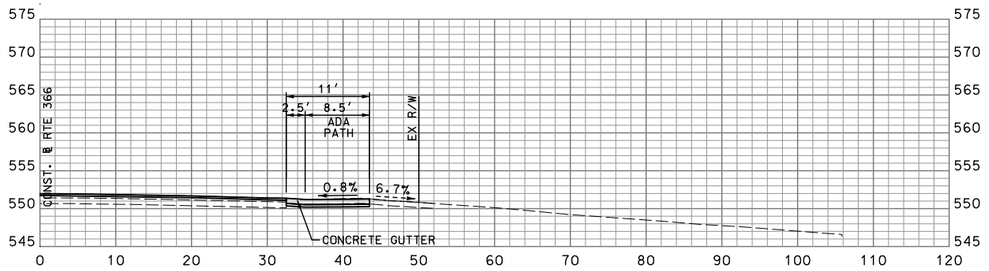
PARCEL 107
8208 WATSON RD
STA. 2223+63

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = -2.9%
SEE PLAN SHEET 50 OF 73



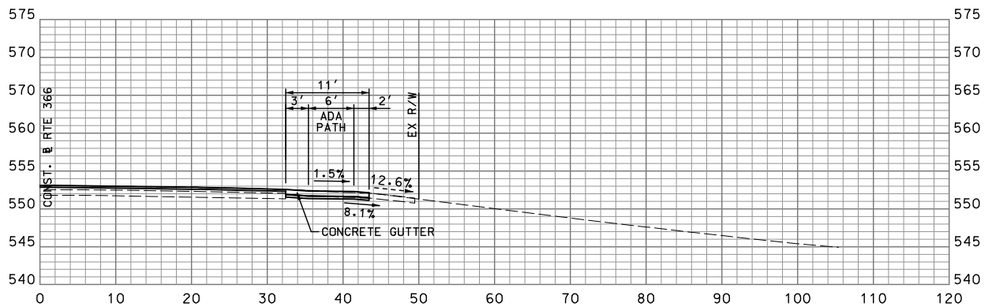
8212 WATSON RD
STA. 2221+80

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = -1%
SEE PLAN SHEET 49 OF 73



8230 WATSON RD
STA. 2221+14

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = -4%
SEE PLAN SHEET 49 OF 73



SHEET 35 OF 54

ENTRANCE PROFILES

MO ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2025025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	207

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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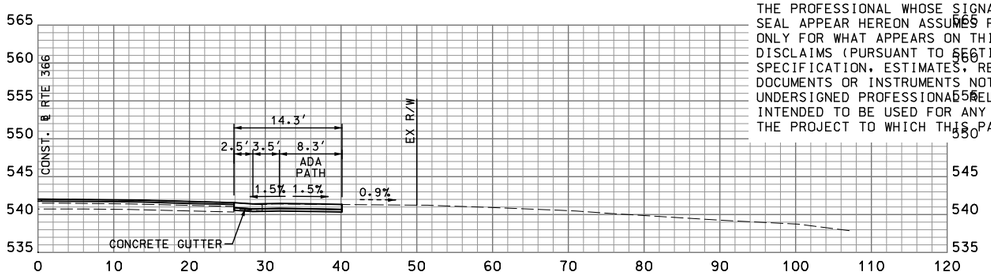
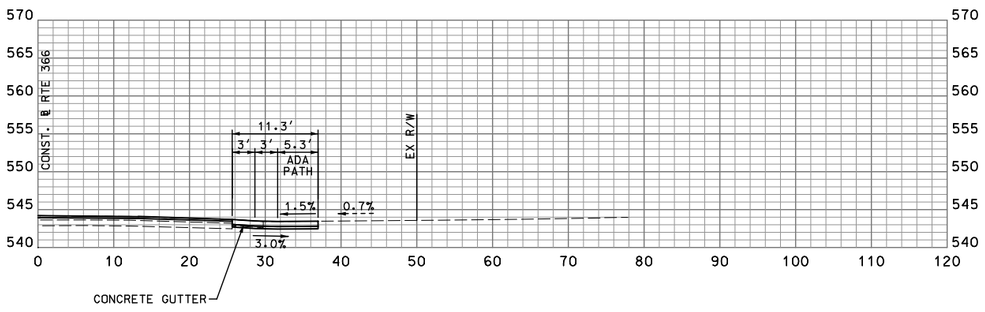
8088 WATSON RD
STA. 2229+88

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = -0.9%
SEE PLAN SHEET 51 OF 73



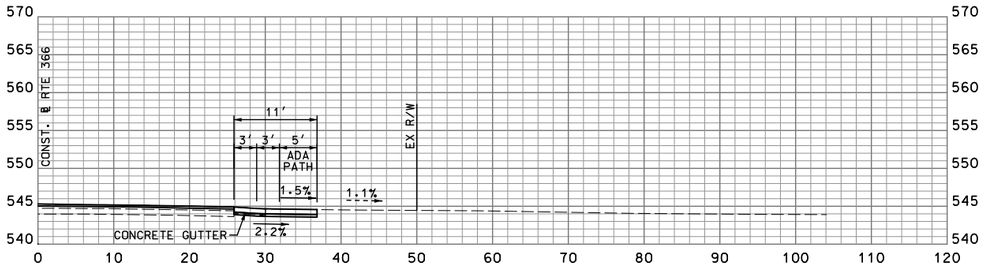
8100 WATSON RD
STA. 2229+01

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 0.8%
SEE PLAN SHEET 51 OF 73



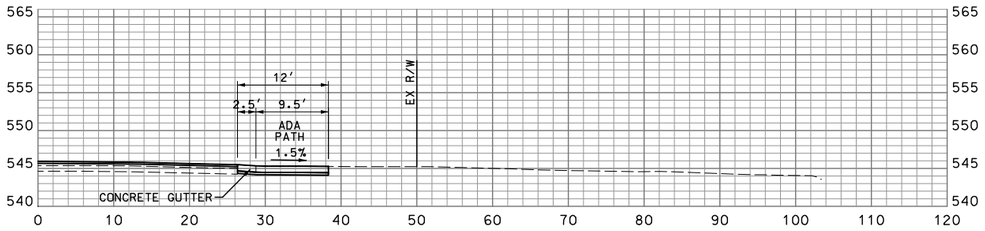
8100 WATSON RD
STA. 2227+88

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = -1.1%
SEE PLAN SHEET 50 OF 73



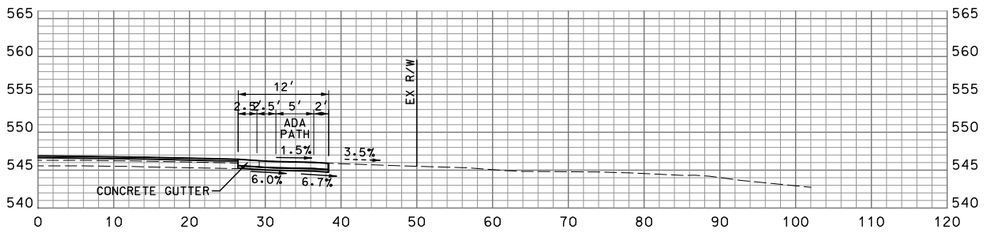
PARCEL 108
8200 WATSON RD
STA. 2225+18

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = -0.5%
SEE PLAN SHEET 50 OF 73



PARCEL 108
8200 WATSON RD
STA. 2224+56

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = -4.5%
SEE PLAN SHEET 50 OF 73



SHEET 36 OF 54

ENTRANCE PROFILES

MO ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	208

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION | DATE

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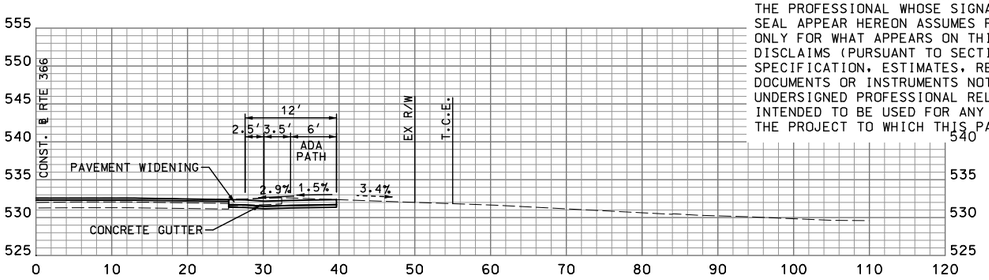
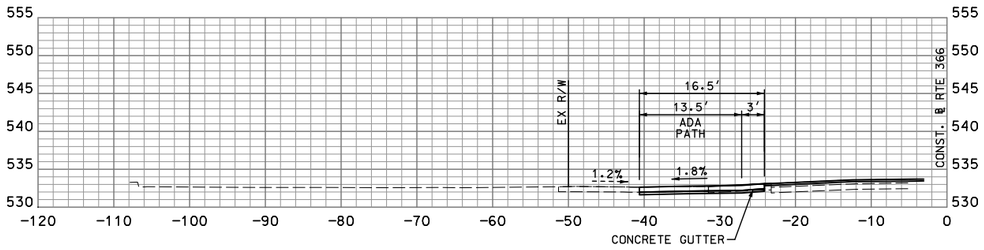
PARCEL 109
8080 WATSON RD
STA. 2232+22

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = -3.8%
SEE PLAN SHEET 51 OF 73



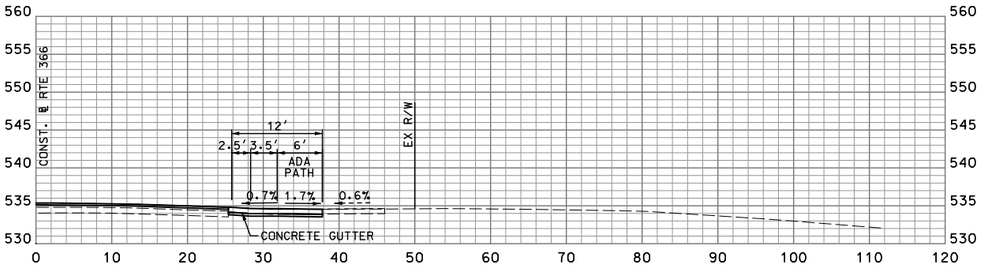
8083 WATSON RD
STA. 2231+94

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = -2.6%
SEE PLAN SHEET 51 OF 73



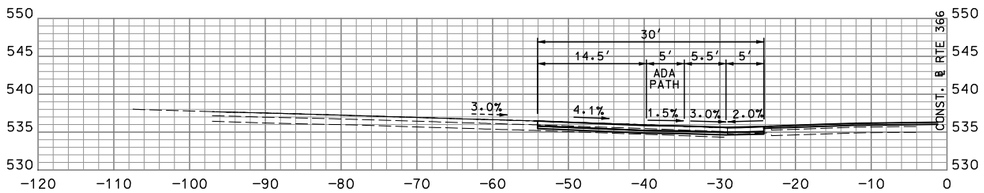
8084 WATSON RD
STA. 2231+55

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 0.4%
SEE PLAN SHEET 51 OF 73



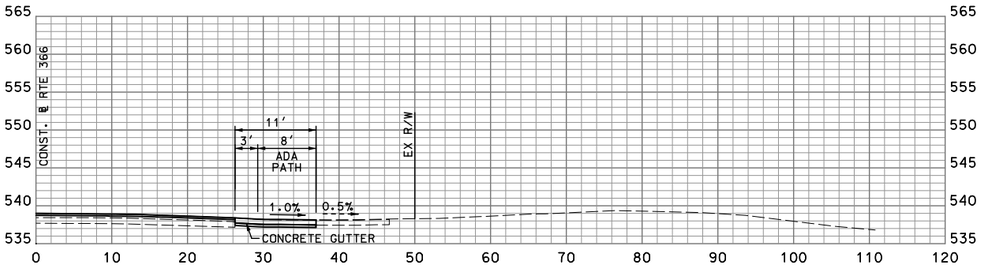
CULVERHILL DRIVE
STA. 2231+32

8.5" PCC OVER 6" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 3.6%
SEE PLAN SHEET 51 OF 73



8084 WATSON RD
STA. 2230+68

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = -0.4%
SEE PLAN SHEET 51 OF 73



SHEET 37 OF 54

ENTRANCE PROFILES

MO ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED 7/25/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 209
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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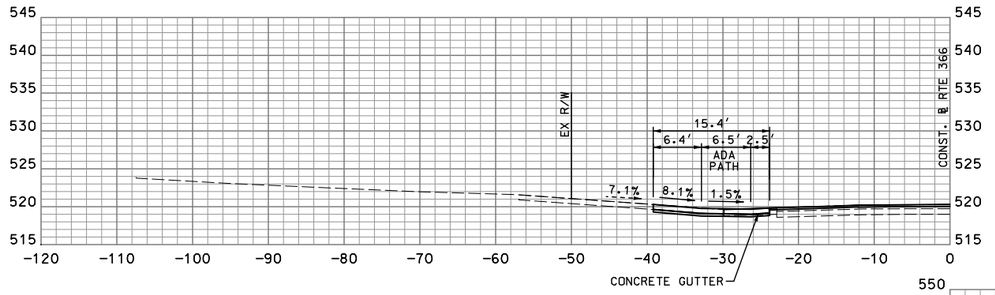

PARCEL 111
8065 WATSON RD
STA. 2235+34

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 7.1%
SEE PLAN SHEET 52 OF 73

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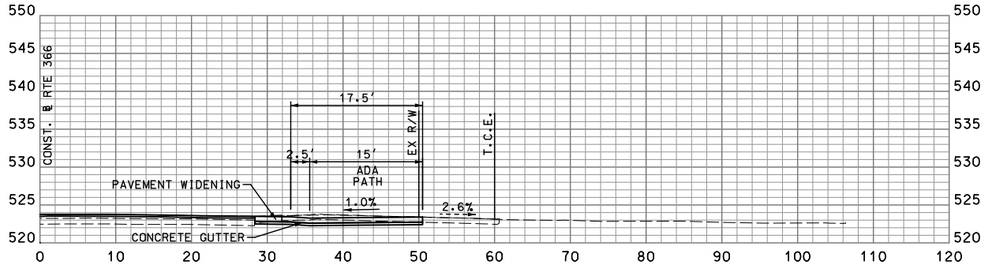
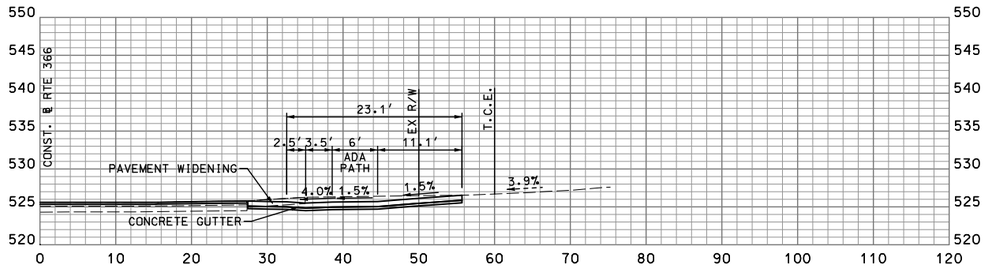
PARCEL 110
8050 WATSON RD
STA. 2234+37

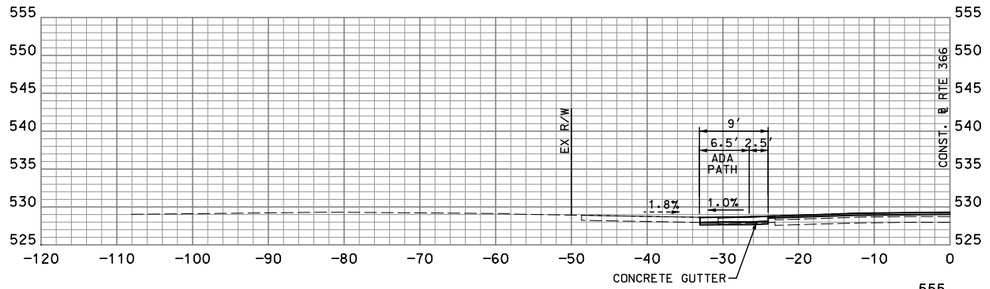
8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = -2.25%
SEE PLAN SHEET 52 OF 73



PARCEL 109
8080 WATSON RD
STA. 2233+92

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 1.5%
SEE PLAN SHEET 52 OF 73



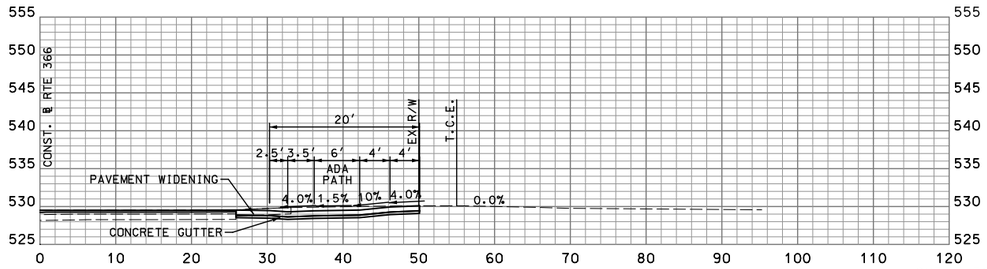


PARCEL 109
8080 WATSON RD
STA. 2233+00

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 1.4%
SEE PLAN SHEET 51 OF 73

PARCEL 111
8065 WATSON RD
STA. 2232+95

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = -3.1%
SEE PLAN SHEET 51 OF 73



ENTRANCE PROFILES

MO ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	210

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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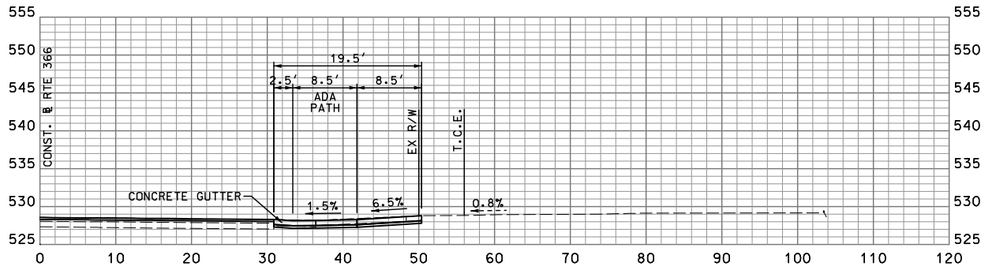
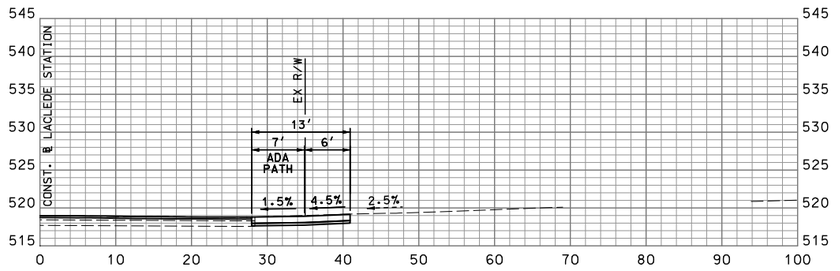
PARCEL 115
7960 WATSON RD
STA. 2243+51

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 4.3%
SEE PLAN SHEET 54 OF 73



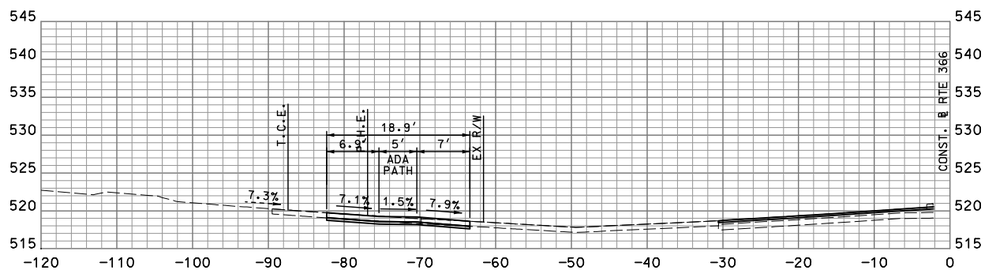
PARCEL 112
8000 WATSON RD
STA. 6+85 (LACLEDE STATION)

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 3%
SEE PLAN SHEET 55 OF 73



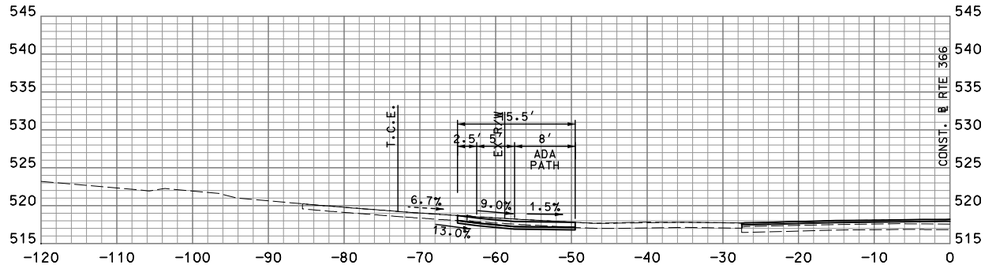
PARCEL 111
8021 WATSON RD
STA. 2239+14

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 5.5%
SEE PLAN SHEET 53 OF 73



PARCEL 111
8065 WATSON RD
STA. 2237+98

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 5.8%
SEE PLAN SHEET 53 OF 73



STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2025025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	211

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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SHEET 39 OF 54

ENTRANCE PROFILES

MO ROUTE 366
WATSON ROAD

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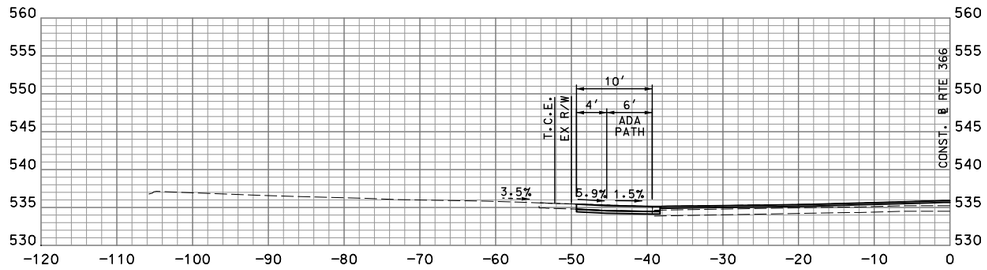
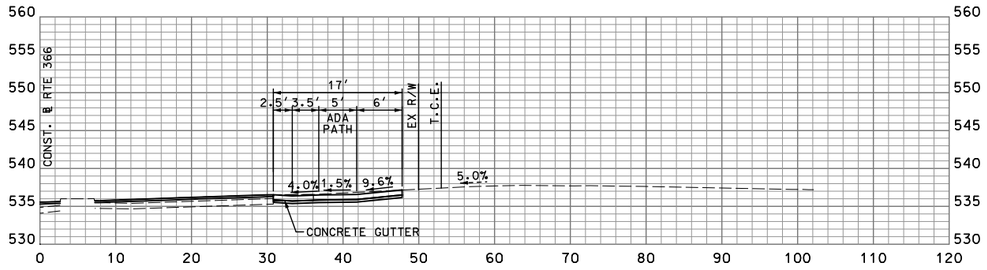


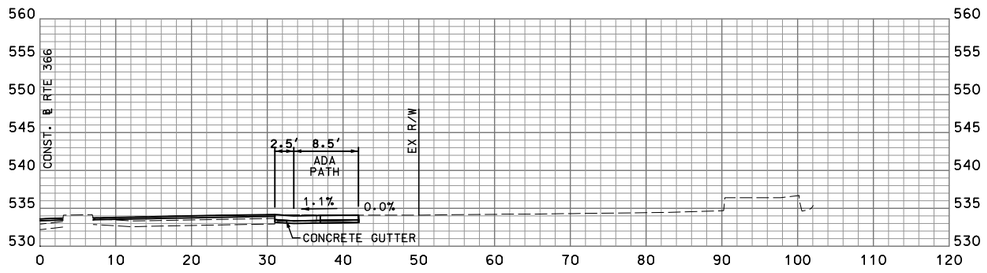
PARCEL 116
7945 WATSON RD
STA. 2246+07

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 3.2%
SEE PLAN SHEET 56 OF 73



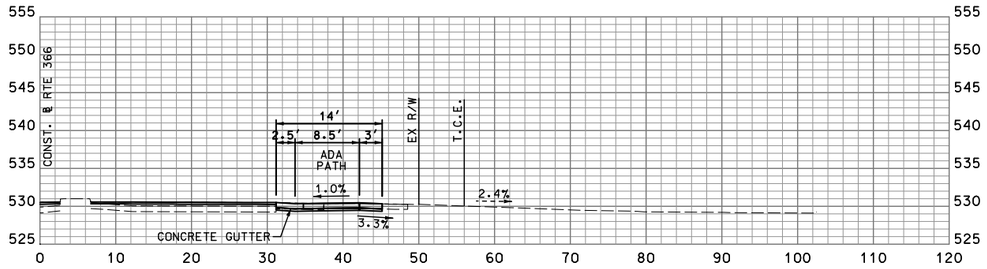
PARCEL 117
7940 WATSON RD
STA. 2245+66

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 5%
SEE PLAN SHEET 54 OF 73



7950 WATSON RD
STA. 2244+73

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = -0.8%
SEE PLAN SHEET 54 OF 73



PARCEL 115
7960 WATSON RD
STA. 2243+92

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = -1.4%
SEE PLAN SHEET 54 OF 73

ENTRANCE PROFILES

MO ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2025025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	212

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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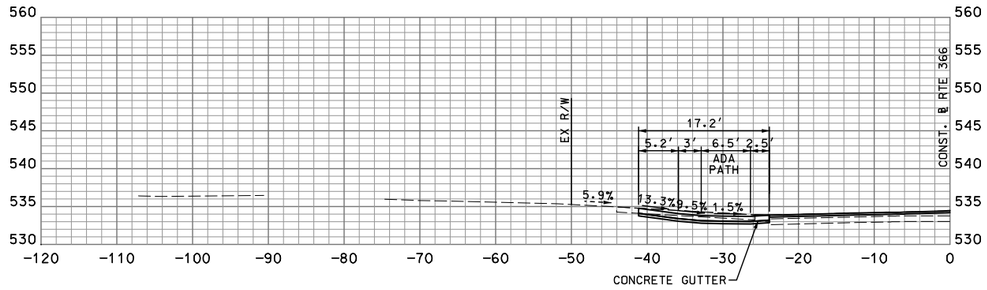
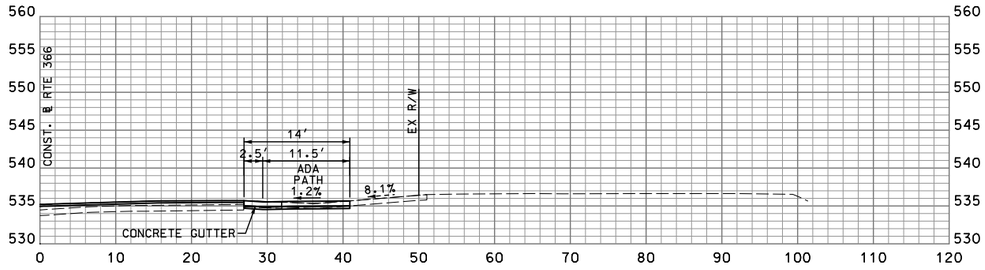


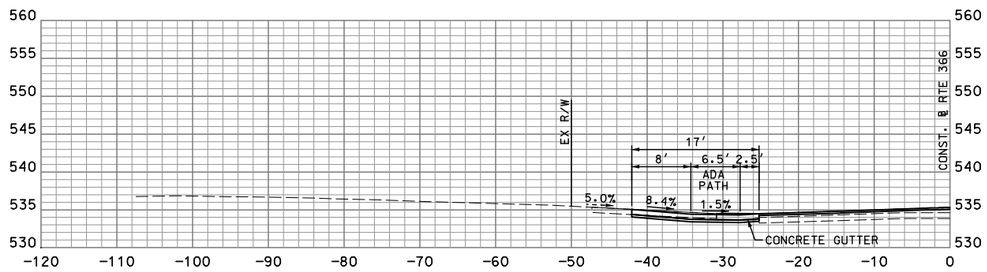
7917 WATSON RD
STA. 2247+74

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 5.8%
SEE PLAN SHEET 56 OF 73

PARCEL 118
7918 WATSON RD
STA. 2247+38

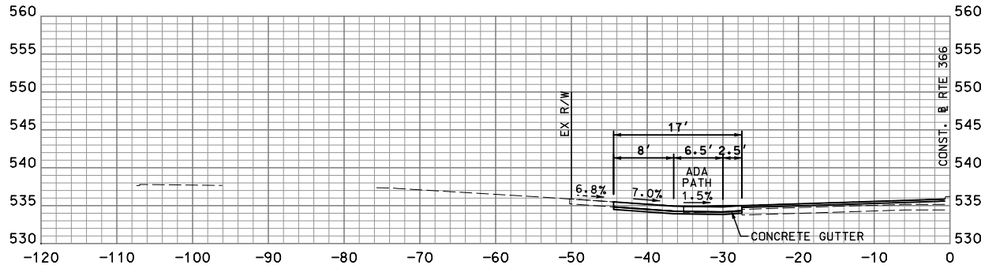
8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 8%
SEE PLAN SHEET 56 OF 73





7921 WATSON RD
STA. 2247+29

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 5.3%
SEE PLAN SHEET 56 OF 73



7921 WATSON RD
STA. 2246+85

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 6.2%
SEE PLAN SHEET 56 OF 73

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	213

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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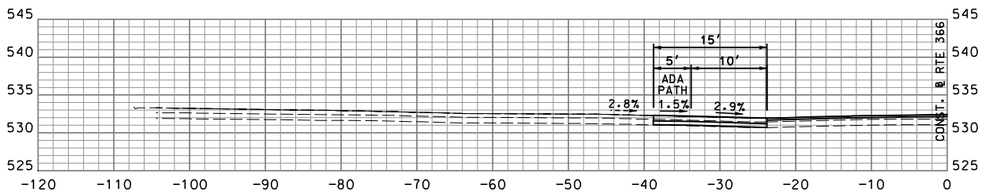
SHEET 41 OF 54

ENTRANCE PROFILES

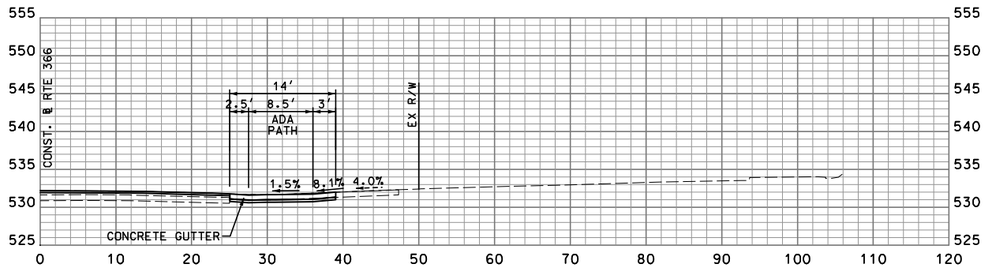
MO ROUTE 366
WATSON ROAD

REV.



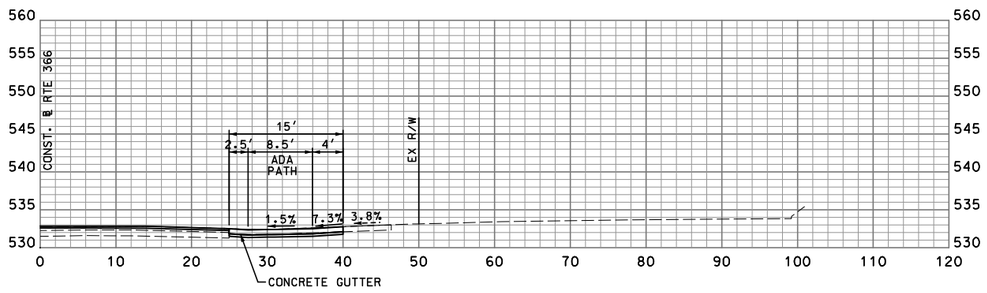
PEMBROKE DRIVE
STA. 2249+78

8.5" PCC OVER 6" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 2.8%
SEE PLAN SHEET 56 OF 73



7900 WATSON RD
STA. 2249+12

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 4%
SEE PLAN SHEET 56 OF 73



7900 WATSON RD
STA. 2248+52

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 3.8%
SEE PLAN SHEET 56 OF 73

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STATE OF MISSOURI
CASSANDRA VICKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

09/06/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
9/5/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	214

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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SHEET 42 OF 54

ENTRANCE PROFILES

MO ROUTE 366
WATSON ROAD

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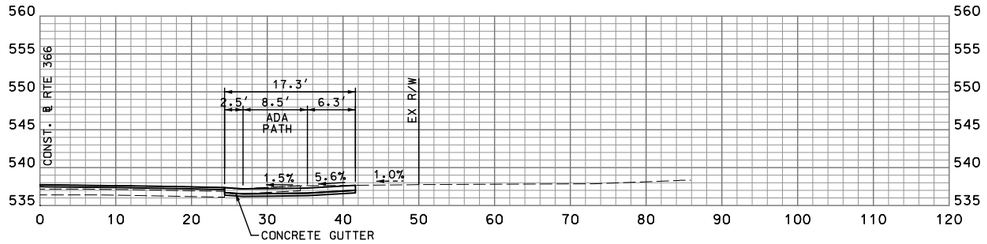
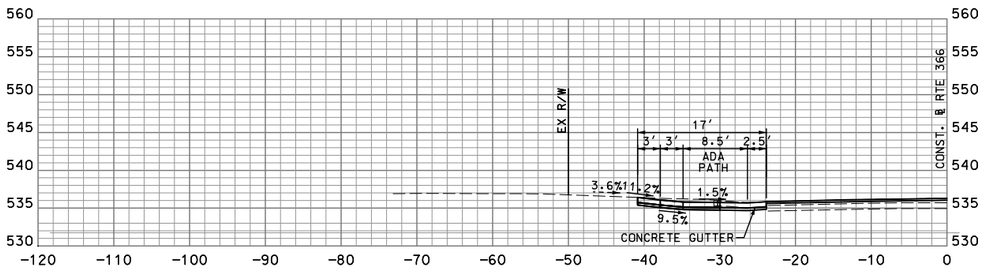
PARCEL 120
7894 WATSON RD
STA. 2252+17

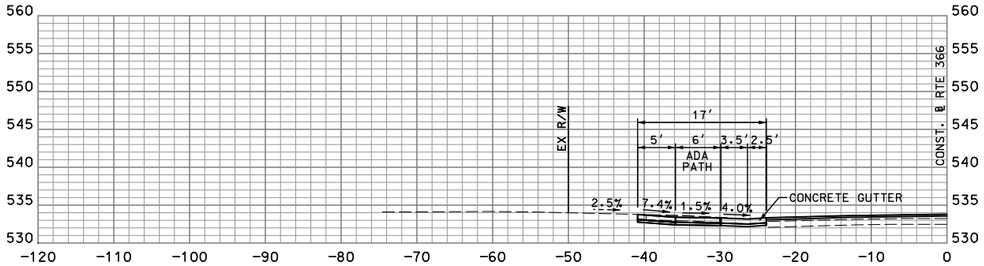
8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 4%
SEE PLAN SHEET 57 OF 73





7855 WATSON RD
STA. 2251+52

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = %
SEE PLAN SHEET 57 OF 73

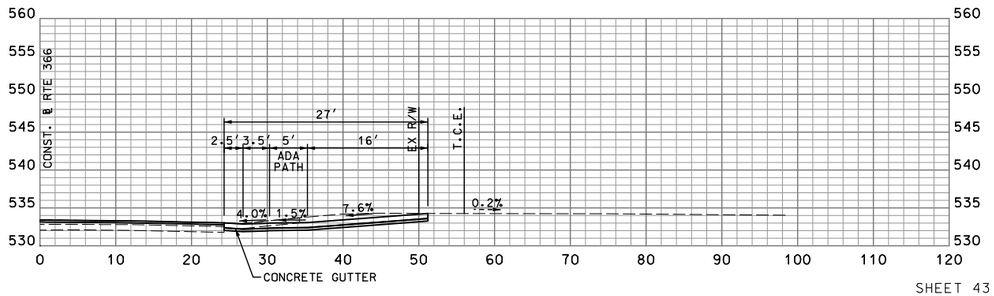


7899 WATSON RD
STA. 2250+63

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 5.6%
SEE PLAN SHEET 56 OF 73

PARCEL 120
7894 WATSON RD
STA. 2250+44

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 9.5%
SEE PLAN SHEET 56 OF 73



ENTRANCE PROFILES

MO ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2025025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	215

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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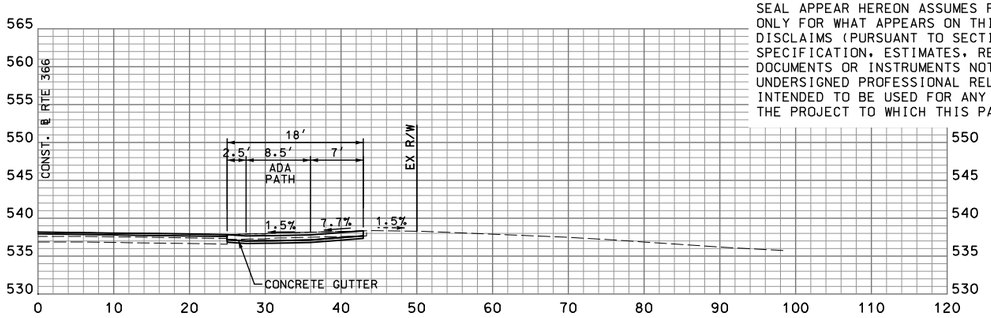
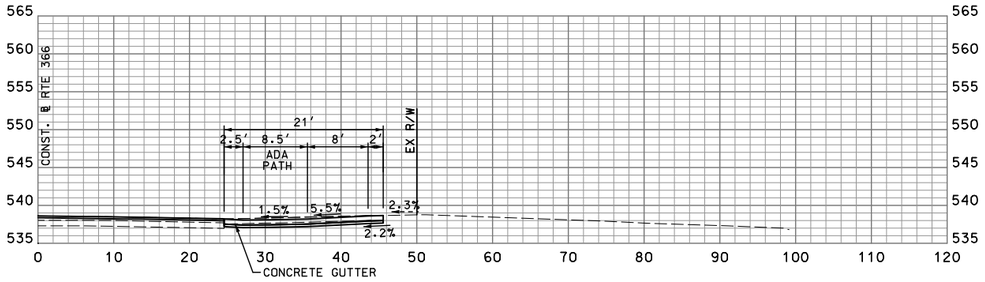
7872 WATSON RD
STA. 2254+02

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 2.5%
SEE PLAN SHEET 57 OF 73



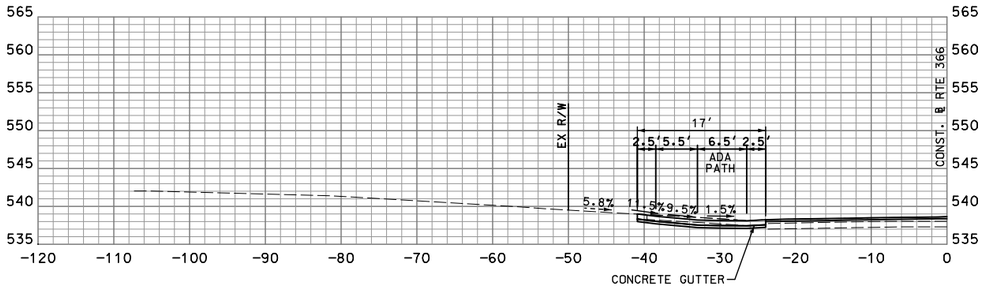
7880 WATSON RD
STA. 2253+41

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 2.2%
SEE PLAN SHEET 57 OF 73



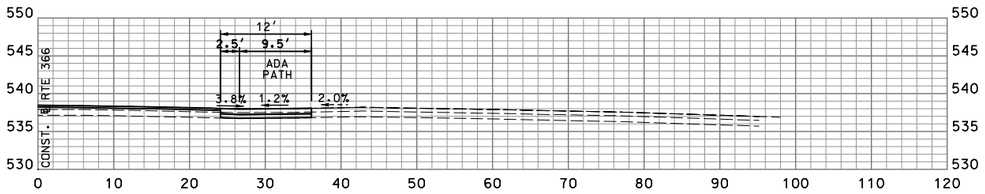
7815 WATSON RD
STA. 2253+04

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 5.9%
SEE PLAN SHEET 57 OF 73



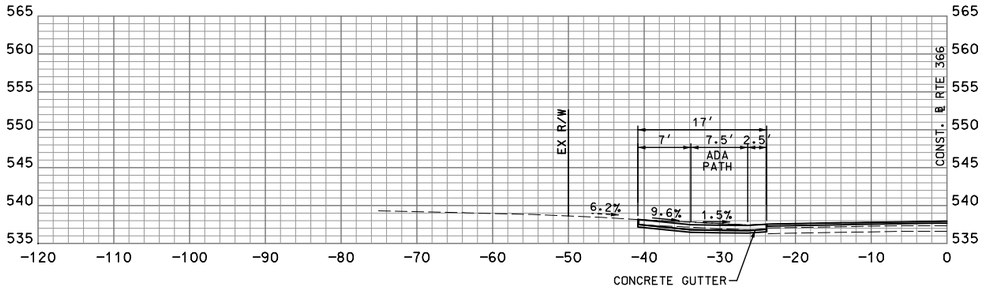
ALDERSHOT DR
STA. 2252+79

8.5" PCC OVER 6" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 0%
SEE PLAN SHEET 57 OF 73



7823 WATSON RD
STA. 2252+29

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 5%
SEE PLAN SHEET 57 OF 73



SHEET 44 OF 54

ENTRANCE PROFILES

MO ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	216

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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ENGINEERING CORPORATION - 000631

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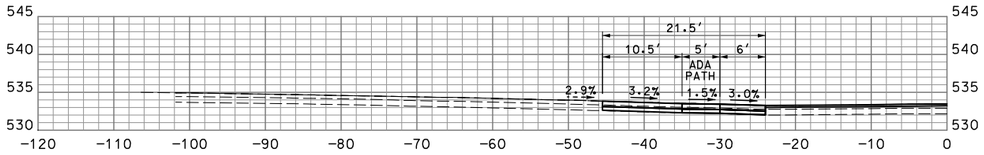
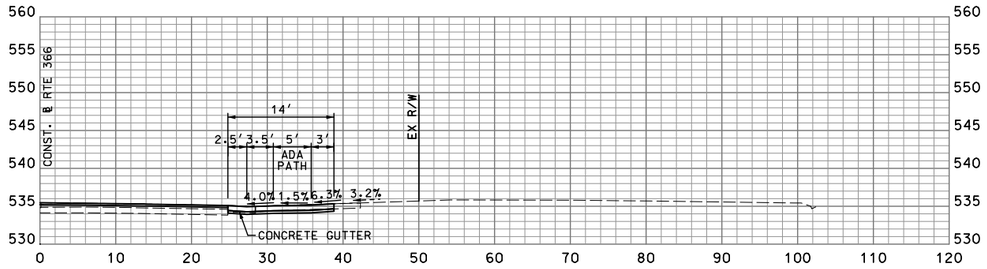


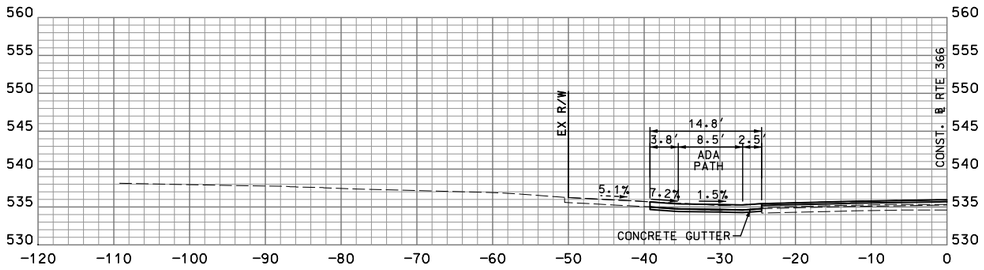
WIMBLEDON DRIVE
STA. 2255+79

8.5" PCC OVER 6" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 2.9%
SEE PLAN SHEET 57 OF 73



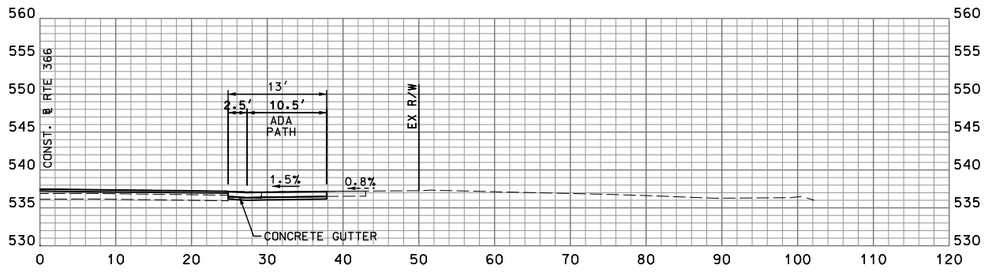
7840 WATSON RD
STA. 2255+23

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 3.6%
SEE PLAN SHEET 57 OF 73



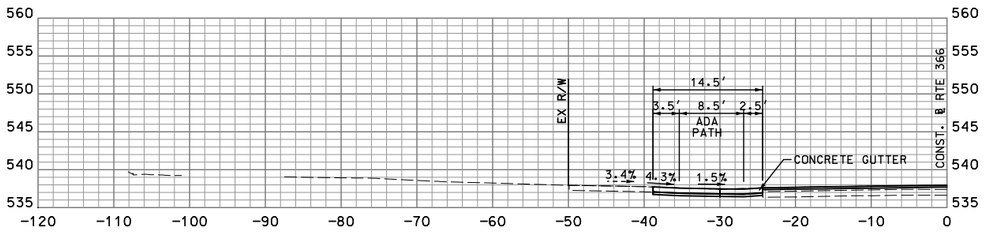
7809 WATSON RD
STA. 2255+09

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 5.2%
SEE PLAN SHEET 57 OF 73



7872 WATSON RD
STA. 2254+45

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 0.7%
SEE PLAN SHEET 57 OF 73



7809 WATSON RD
STA. 2254+18

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 3.4%
SEE PLAN SHEET 57 OF 73

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	217

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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SHEET 45 OF 54

ENTRANCE PROFILES

MO ROUTE 366
WATSON ROAD

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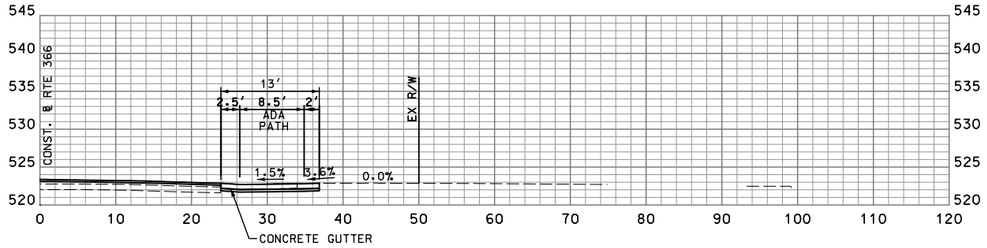
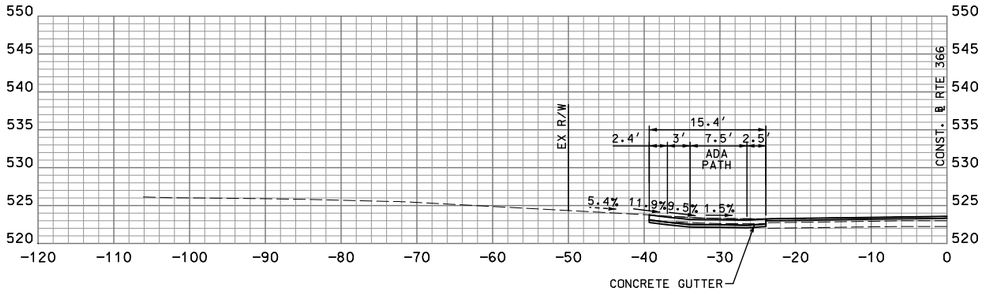
7836 WATSON RD
STA. 2257+88

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 2.7%
SEE PLAN SHEET 58 OF 73



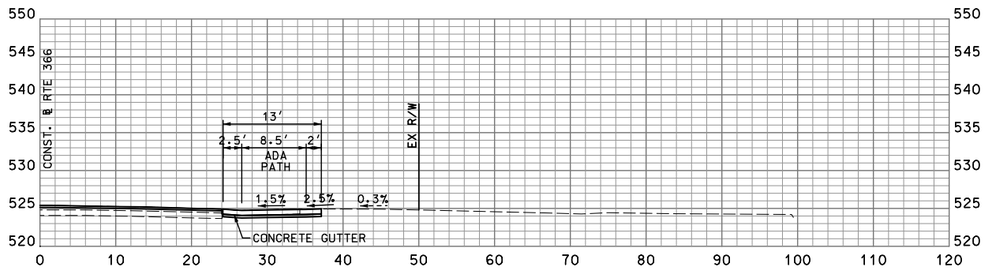
7777 WATSON RD
STA. 2257+84

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 5%
SEE PLAN SHEET 58 OF 73



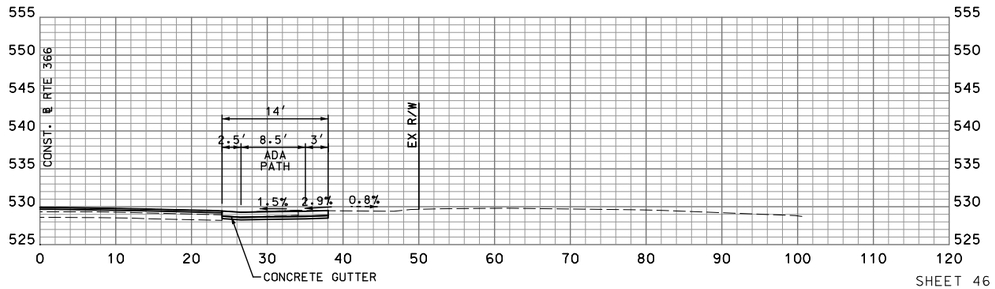
7838 WATSON RD
STA. 2257+48

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 2.5%
SEE PLAN SHEET 58 OF 73



7840 WATSON RD
STA. 2256+57

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 3.1%
SEE PLAN SHEET 58 OF 73



ENTRANCE PROFILES

MO ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	218

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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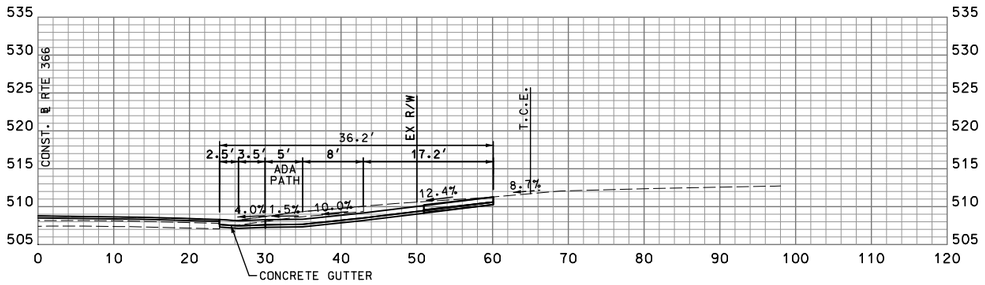
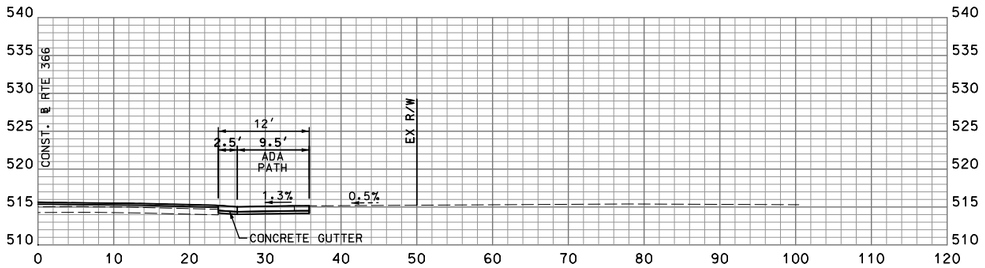
PARCEL 121
7800 WATSON RD
STA. 2260+79

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 9.3%
SEE PLAN SHEET 58 OF 73



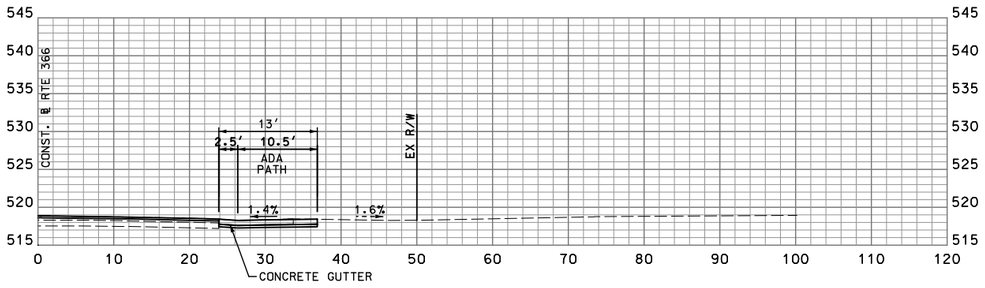
7830 WATSON RD
STA. 2259+43

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 2.2%
SEE PLAN SHEET 58 OF 73



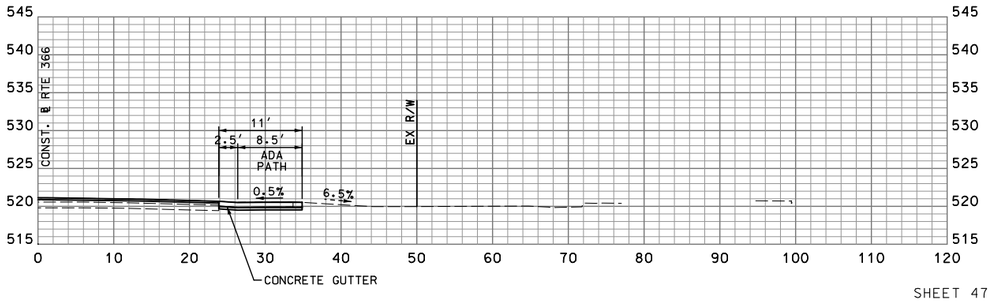
7830 WATSON RD
STA. 2258+78

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 3.4%
SEE PLAN SHEET 58 OF 73



7830 WATSON RD
STA. 2258+32

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 1.4%
SEE PLAN SHEET 58 OF 73



ENTRANCE PROFILES

MO ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2025025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	219

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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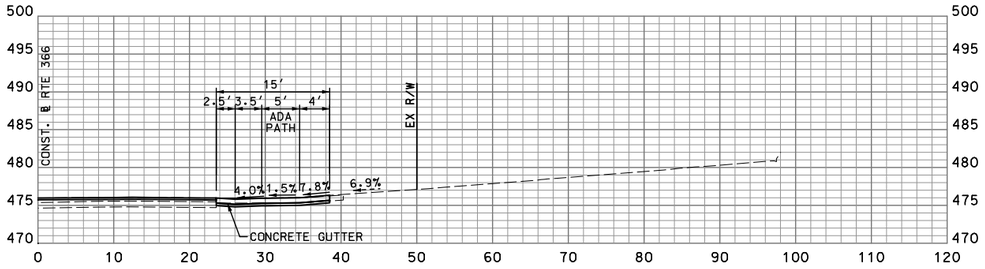
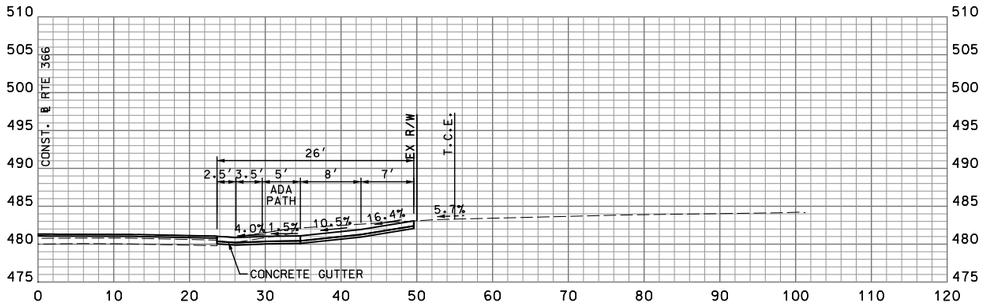
PARCEL 124
7750 WATSON RD
STA. 2266+57

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 6.9%
SEE PLAN SHEET 59 OF 73



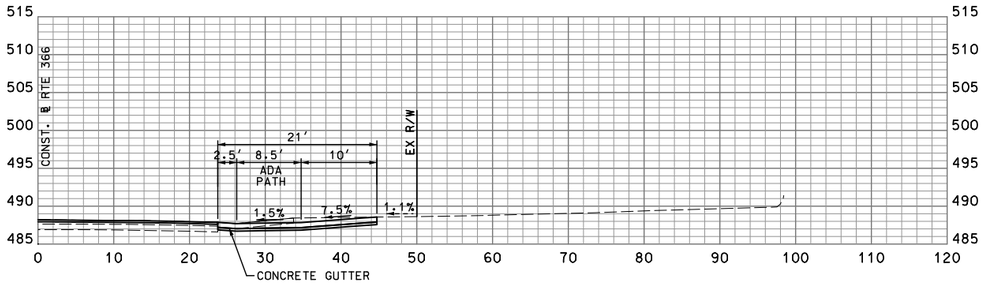
PARCEL 125
7750 WATSON RD
STA. 2265+69

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 15.6%
SEE PLAN SHEET 59 OF 73



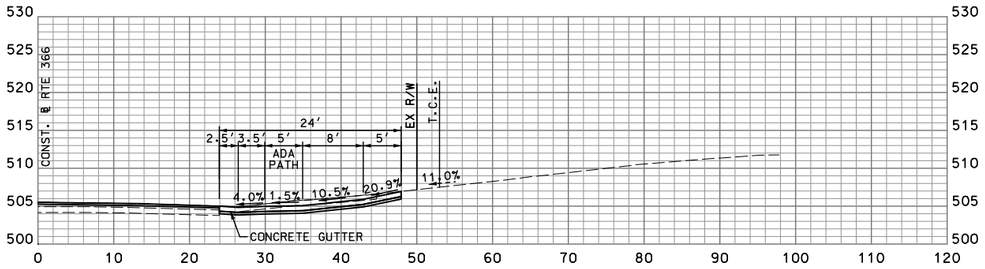
PARCEL 125
7750 WATSON RD
STA. 2264+56

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 9.4%
SEE PLAN SHEET 59 OF 73



7790 WATSON RD
STA. 2261+44

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 9.5%
SEE PLAN SHEET 58 OF 73



ENTRANCE PROFILES

MO ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2025025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	220

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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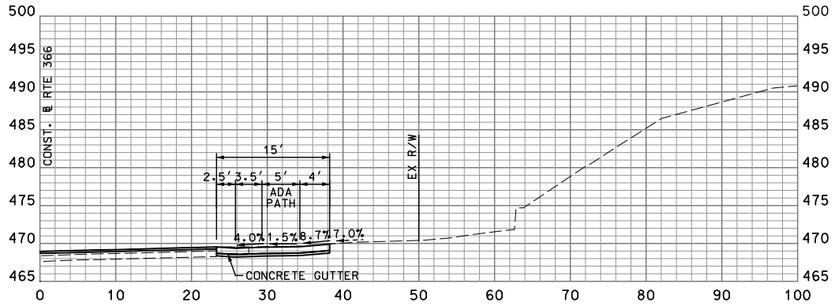
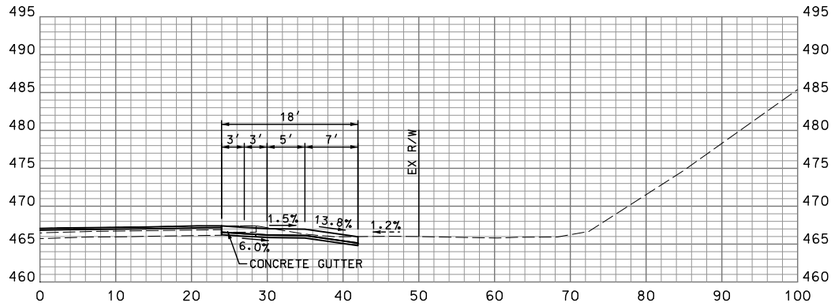
7698 WATSON RD
STA. 2273+46

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 1.8%
SEE PLAN SHEET 61 OF 73



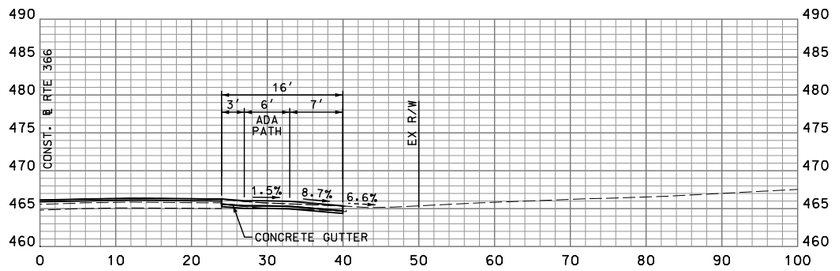
PARCEL 127
7710 WATSON RD
STA. 2271+38

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = -17.1%
SEE PLAN SHEET 60 OF 73



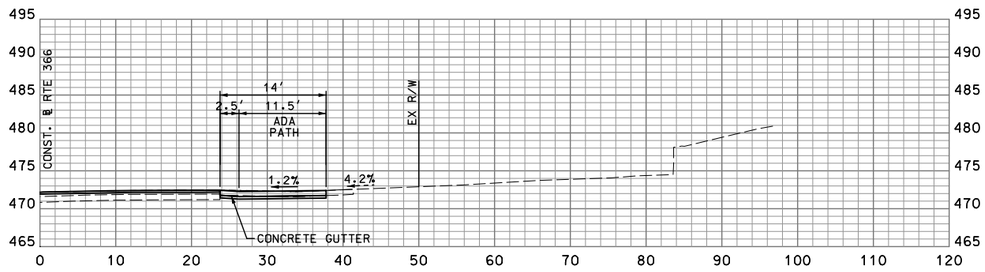
PARCEL 126
7734 WATSON RD
STA. 2269+65

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = -3.8%
SEE PLAN SHEET 60 OF 73



PARCEL 126
7750 WATSON RD
STA. 2267+23

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = -2.2%
SEE PLAN SHEET 59 OF 73



ENTRANCE PROFILES

MO ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2025025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	221

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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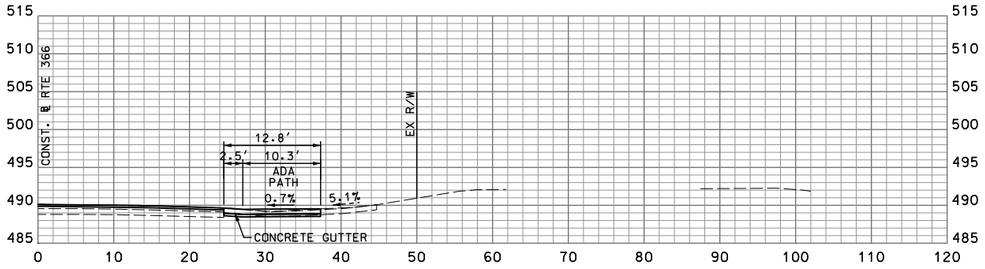
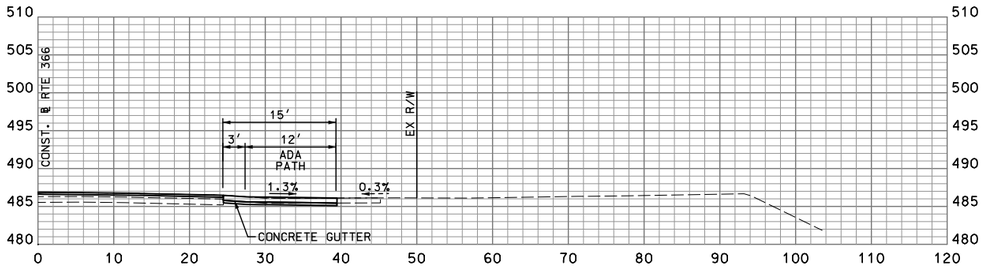
7666 WATSON RD
STA. 2278+26

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 6.1%
SEE PLAN SHEET 62 OF 73



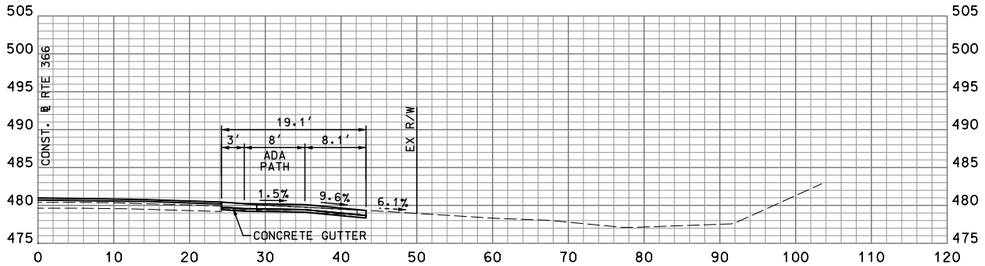
7666 WATSON RD
STA. 2277+55

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 0.2%
SEE PLAN SHEET 62 OF 73



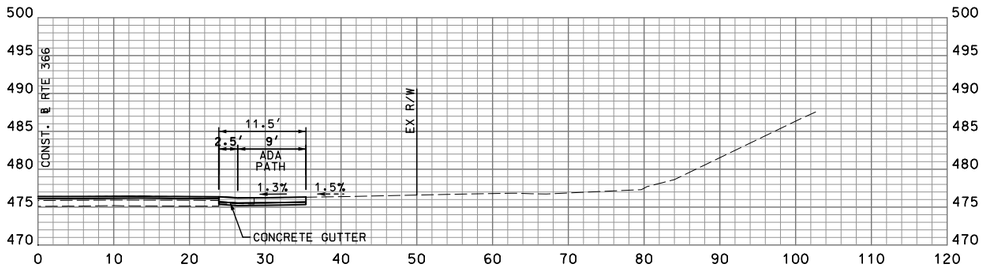
7700 WATSON RD
STA. 2276+53

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = %
SEE PLAN SHEET 61 OF 73



7698 WATSON RD
STA. 2275+67

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 1.5%
SEE PLAN SHEET 61 OF 73



SHEET 50 OF 54

ENTRANCE PROFILES

MO ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2025025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	222

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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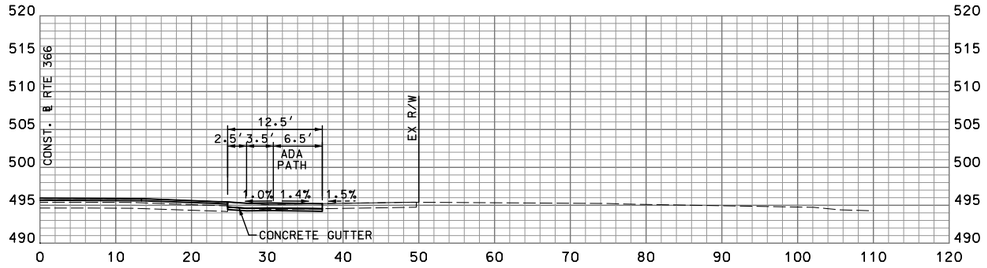
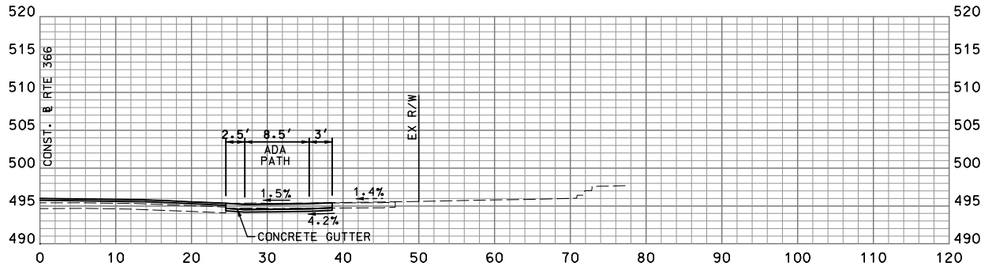
7594 WATSON RD
STA. 2287+76

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 1.5%
SEE PLAN SHEET 64 OF 73



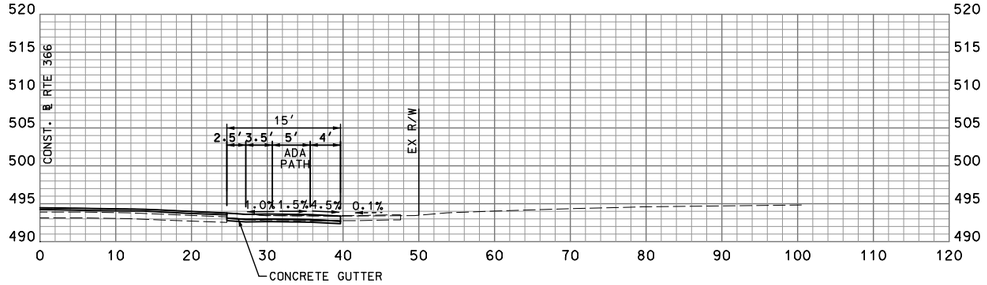
7646 WATSON RD
STA. 2280+86

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 1.5%
SEE PLAN SHEET 62 OF 73



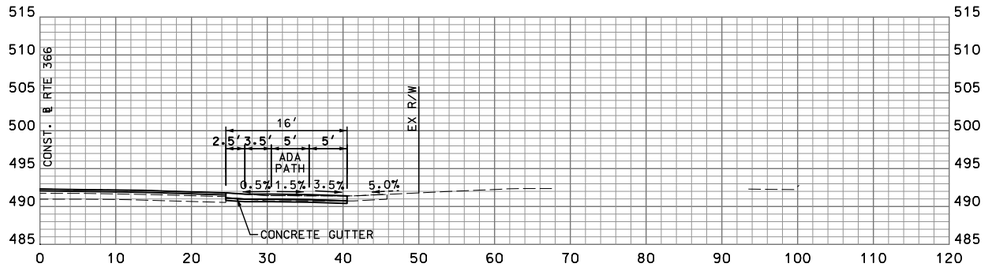
7646 WATSON RD
STA. 2279+68

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = -0.6%
SEE PLAN SHEET 62 OF 73



7666 WATSON RD
STA. 2278+86

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = -0.5%
SEE PLAN SHEET 62 OF 73



ENTRANCE PROFILES

MO ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	223

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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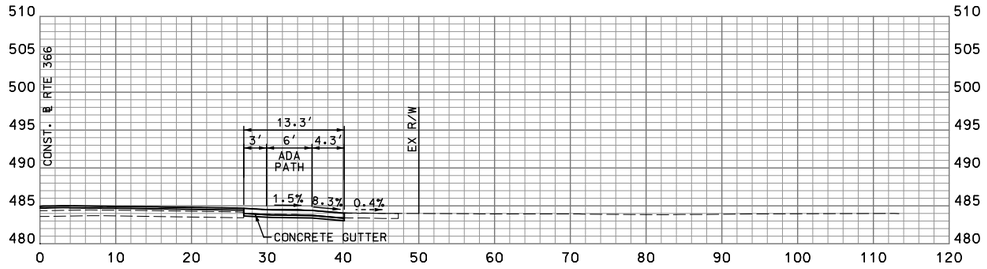
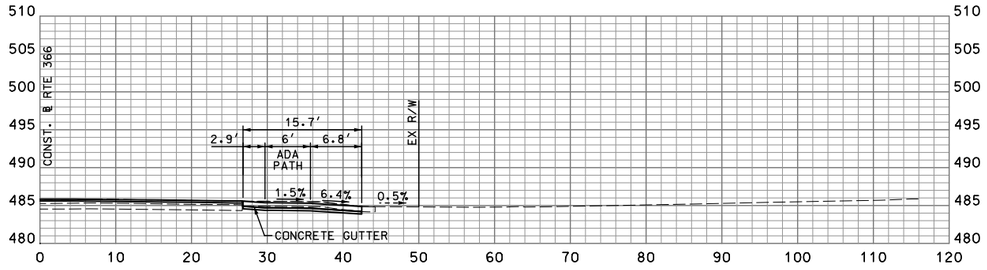
7530 WATSON RD
STA. 2292+84

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = -3.5%
SEE PLAN SHEET 65 OF 73



757 WATSON RD
STA. 2292+15

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = -3.5%
SEE PLAN SHEET 64 OF 73



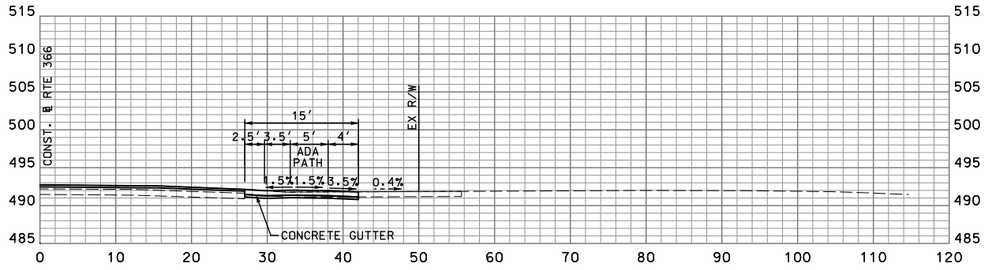
7570 WATSON RD
STA. 2290+50

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = -8%
SEE PLAN SHEET 64 OF 73



7500 WATSON RD
STA. 2290+00

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 0.4%
SEE PLAN SHEET 64 OF 73



SHEET 52 OF 54

ENTRANCE PROFILES

MO ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2025025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	224

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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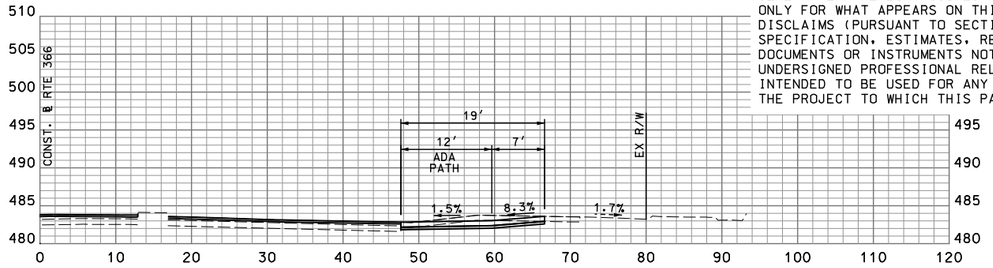
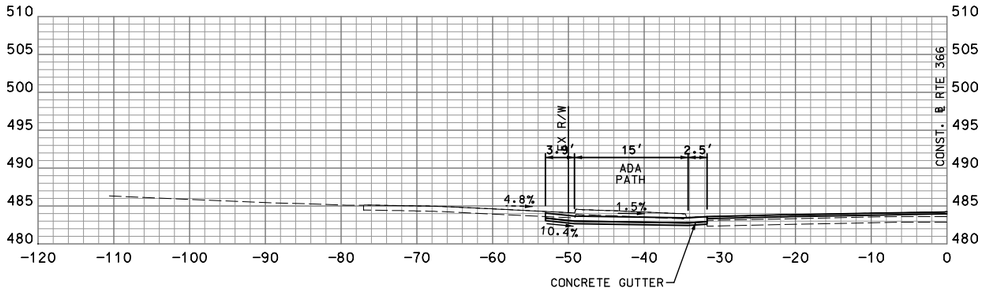
7220 WATSON RD
STA. 2331+35

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 11.3%
SEE PLAN SHEET 73 OF 73



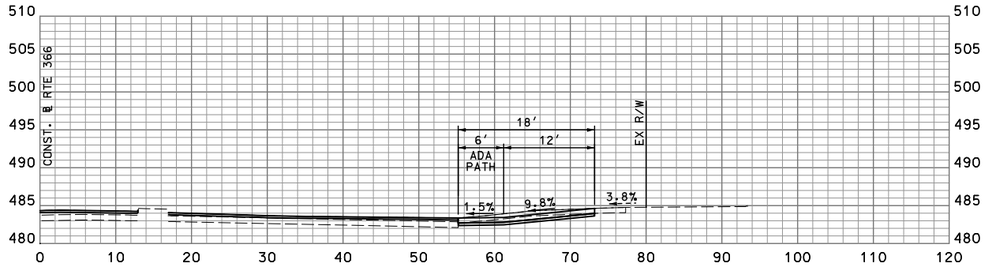


PARCEL 133
7225 WATSON RD
STA. 2331+00

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 3.9%
SEE PLAN SHEET 73 OF 73

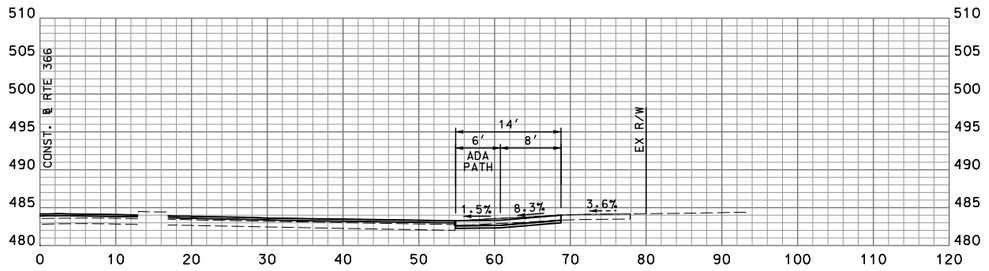
7210 WATSON RD
STA. 2330+67

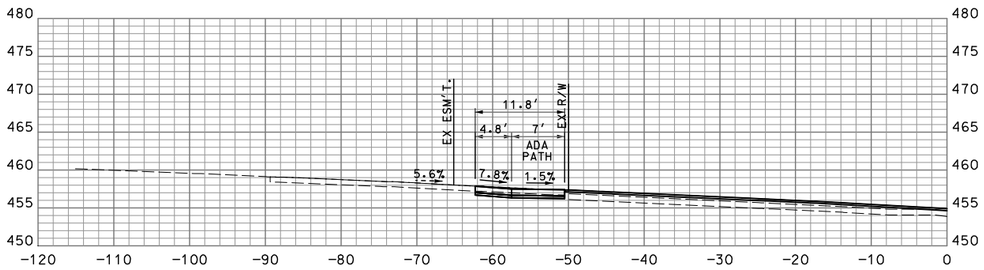
8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 9.8%
SEE PLAN SHEET 73 OF 73



7210 WATSON RD
STA. 2329+97

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 5.4%
SEE PLAN SHEET 72 OF 73





PARCEL 129
7225 WATSON RD
STA. 2302+73

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 5.2%
SEE PLAN SHEET 67 OF 73

SHEET 53 OF 54

ENTRANCE PROFILES

MO ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	225

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

REV.

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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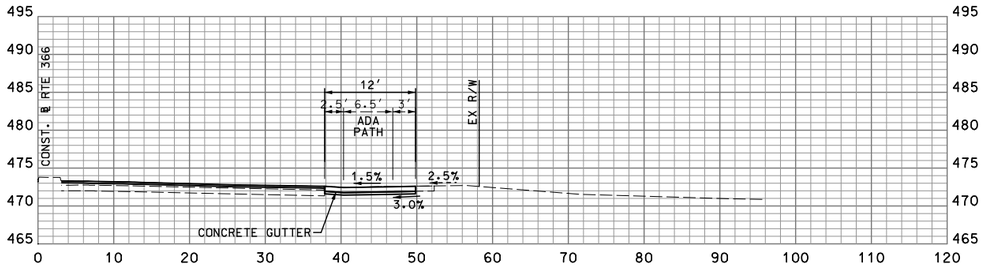
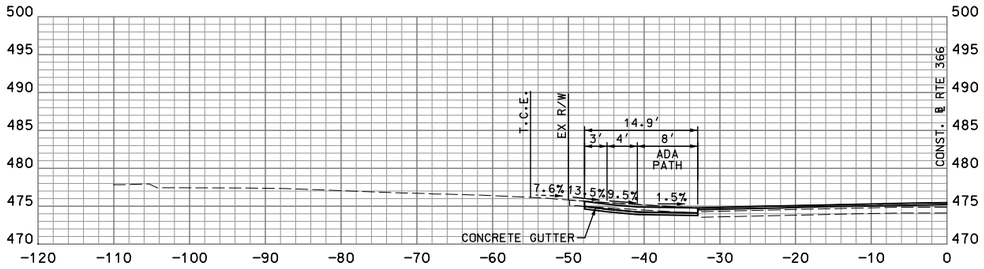
7200 WATSON RD
STA. 2334+40

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 2%
SEE PLAN SHEET 73 OF 73



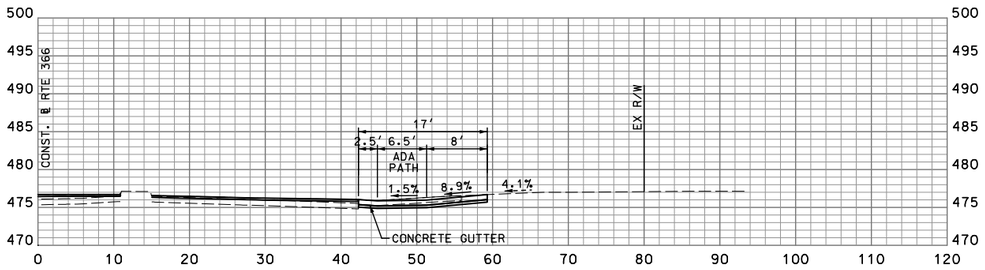
PARCEL 133
7201 WATSON RD
STA. 2333+90

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 5.8%
SEE PLAN SHEET 73 OF 73



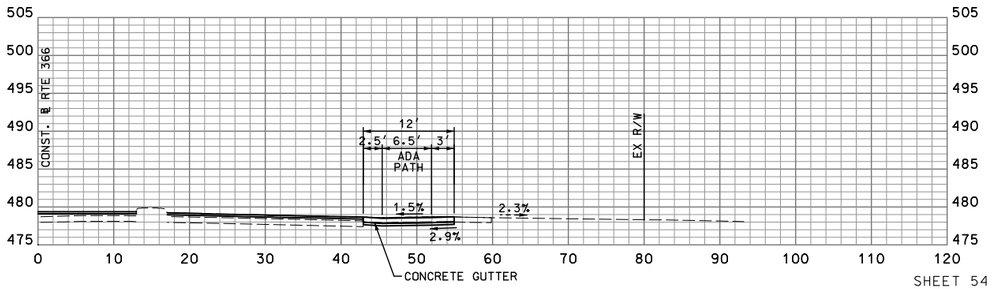
7208 WATSON RD
STA. 2333+62

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 6.1%
SEE PLAN SHEET 73 OF 73



7208 WATSON RD
STA. 2332+99

8" PAVED APPROACH OVER 4" TYPE 5 AGGREGATE BASE
EXIST. DRIVEWAY SLOPE BEING REPLACED = 1.6%
SEE PLAN SHEET 73 OF 73



ENTRANCE PROFILES

MO ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	226

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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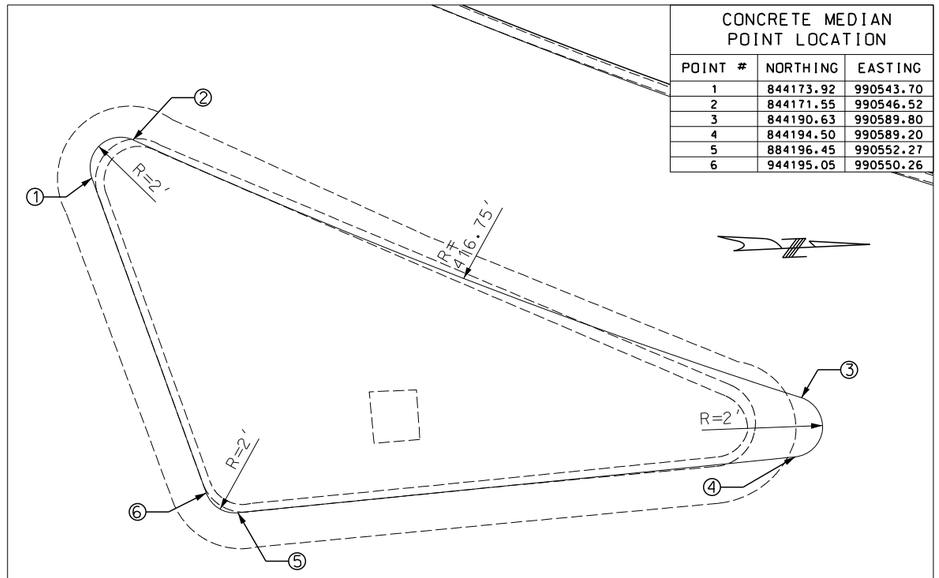
SCALE

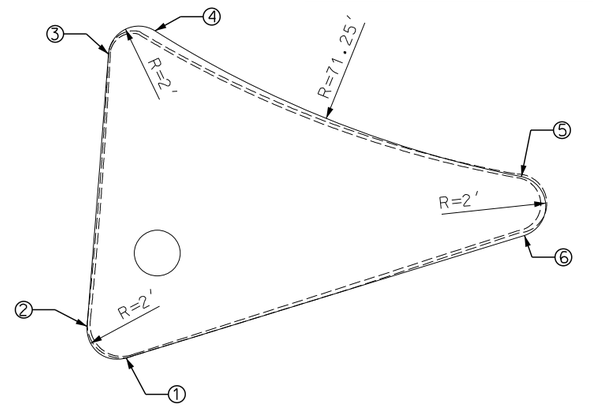
0 5 10 15

CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	844173.92	990543.70
2	844171.55	990546.52
3	844190.63	990589.80
4	844194.50	990589.20
5	884196.45	990552.27
6	944195.05	990550.26



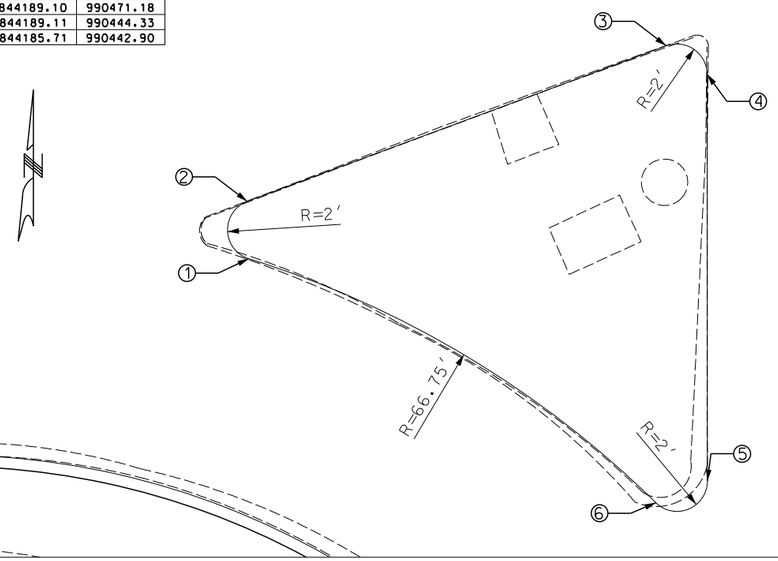
NW QUADRANT
RTE. 366 / S. GEYER RD

CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	844249.82	990570.28
2	844247.24	990572.35
3	844248.66	990590.33
4	844251.72	990591.87
5	844275.90	990582.24
6	844276.11	990578.37



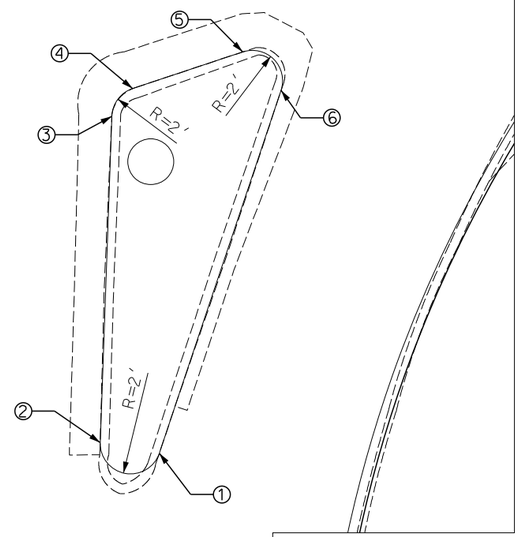
NE QUADRANT
RTE. 366 / S. GEYER RD

CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	844158.85	990459.01
2	844158.75	990462.79
3	844186.40	990473.05
4	844189.10	990471.18
5	844189.11	990444.33
6	844185.71	990442.90



SW QUADRANT
RTE. 366 / S. GEYER RD

CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	844248.60	990469.07
2	844244.70	990469.77
3	844245.46	990491.30
4	844246.83	990493.13
5	844254.10	990495.55
6	844256.63	990493.02



SE QUADRANT
RTE. 366 / S. GEYER RD

SHEET 1 OF 11

ISLAND AND MEDIAN DETAILS

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
07/29/2024 8:10:08 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED	
7/26/2024	
MO ROUTE 366	STATE MO
DISTRICT SL	SHEET NO. 227
COUNTY ST. LOUIS	
JOB NO. J6S3582	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

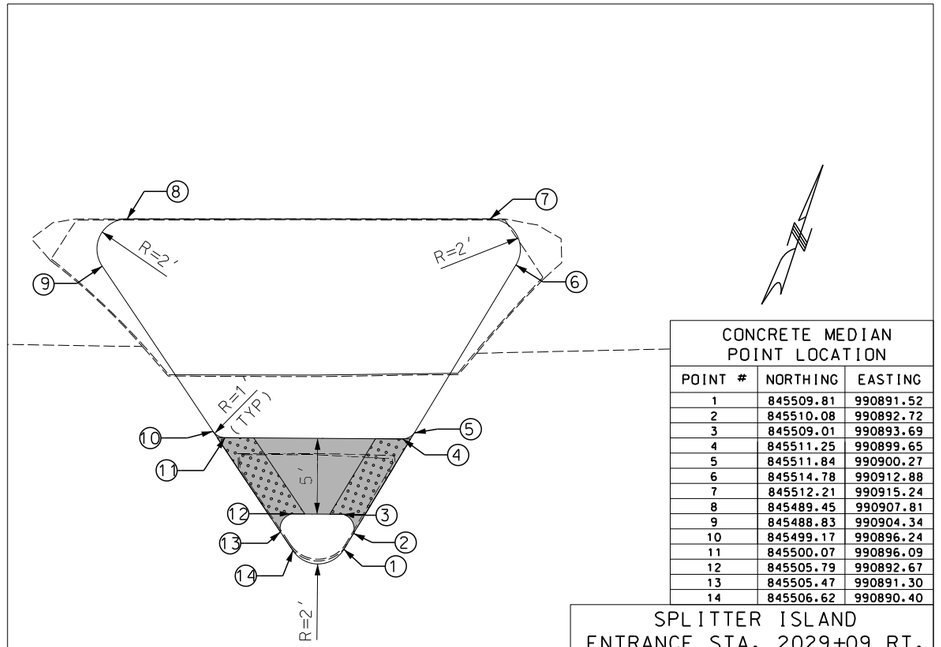
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.	DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

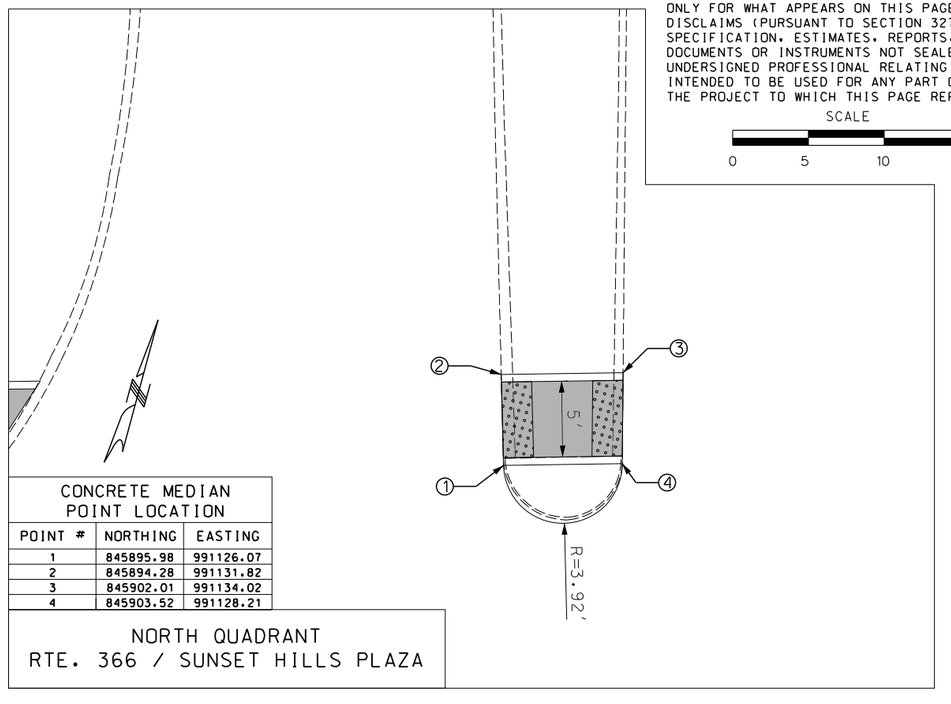
GBA
16305 Swingley Ridge Dr., Ste 300
Chesterfield, Missouri 63017
636.240.2444
www.gbateam.com
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624



CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	845509.81	990891.52
2	845510.08	990892.72
3	845509.01	990893.69
4	845511.25	990899.65
5	845511.84	990900.27
6	845514.78	990912.88
7	845512.21	990915.24
8	845489.45	990907.81
9	845488.83	990904.34
10	845499.17	990896.24
11	845500.07	990896.09
12	845505.79	990892.67
13	845505.47	990891.30
14	845506.62	990890.40

SPLITTER ISLAND
ENTRANCE STA. 2029+09 RT.
RTE. 366



CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	845895.98	991126.07
2	845894.28	991131.82
3	845902.01	991134.02
4	845903.52	991128.21

NORTH QUADRANT
RTE. 366 / SUNSET HILLS PLAZA

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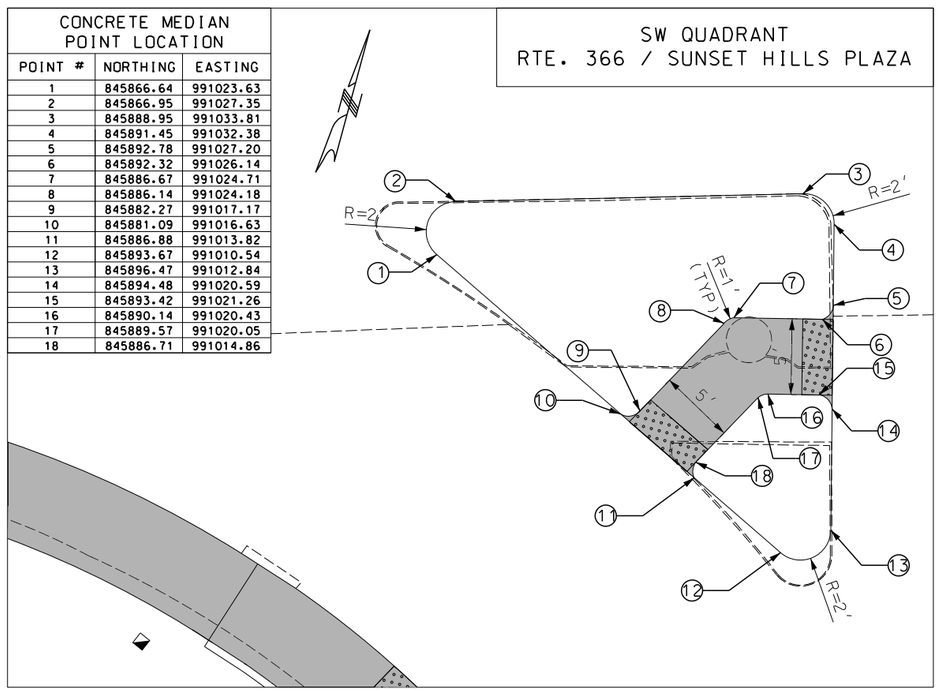
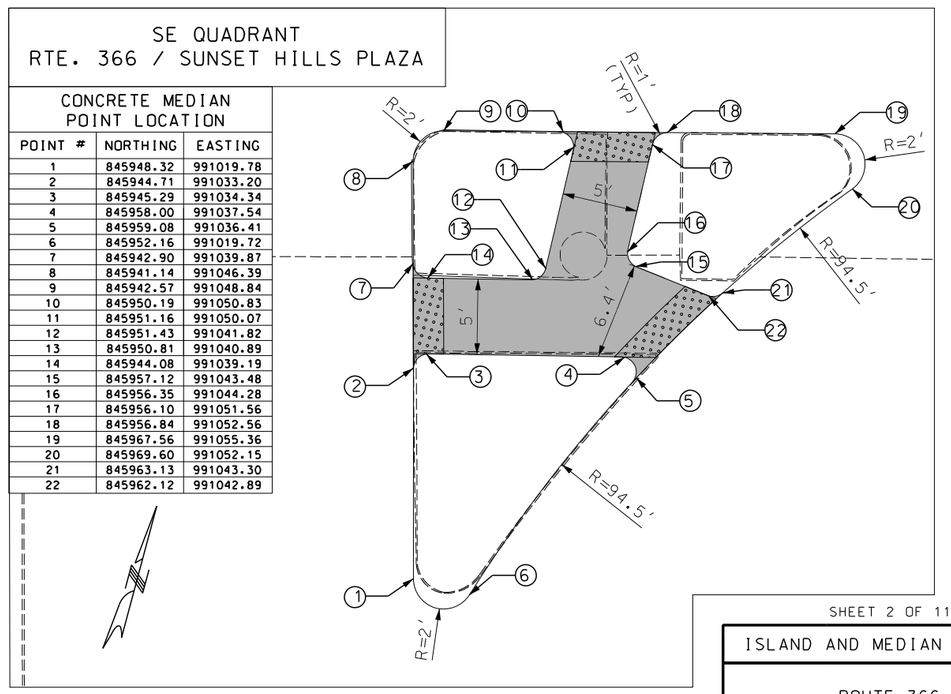
SCALE
0 5 10 15



CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	845866.64	991023.63
2	845866.95	991027.35
3	845888.95	991033.81
4	845891.45	991032.38
5	845892.78	991027.20
6	845892.32	991026.14
7	845886.67	991024.71
8	845886.14	991024.18
9	845882.27	991017.17
10	845881.09	991016.63
11	845886.88	991013.82
12	845893.67	991010.54
13	845896.47	991012.84
14	845894.48	991020.59
15	845893.42	991021.26
16	845890.14	991020.43
17	845889.57	991020.05
18	845886.71	991014.86

SW QUADRANT
RTE. 366 / SUNSET HILLS PLAZA



CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	845948.32	991019.78
2	845944.71	991033.20
3	845945.29	991034.34
4	845958.00	991037.54
5	845959.08	991036.41
6	845952.16	991019.72
7	845942.90	991039.87
8	845941.14	991046.39
9	845942.57	991048.84
10	845950.19	991050.83
11	845951.16	991050.07
12	845951.43	991041.82
13	845950.81	991040.89
14	845944.08	991039.19
15	845957.12	991043.48
16	845956.35	991044.28
17	845956.10	991051.56
18	845956.84	991052.56
19	845967.56	991055.36
20	845969.60	991052.15
21	845963.13	991043.30
22	845962.12	991042.89

SE QUADRANT
RTE. 366 / SUNSET HILLS PLAZA

ISLAND AND MEDIAN DETAILS

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
07/29/2024 8:10:08 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	228

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

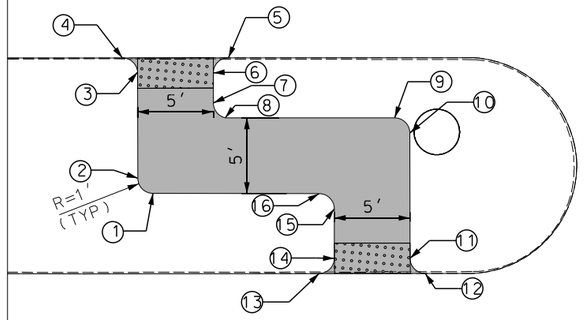
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE	REV.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

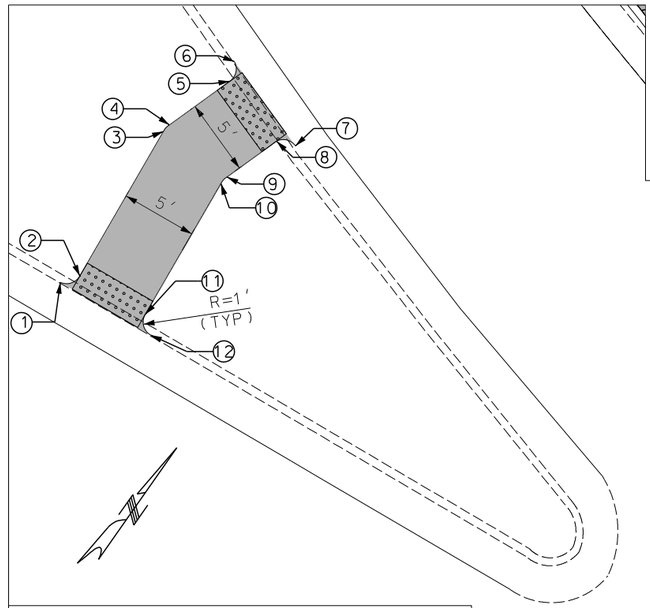
GBA
16305 Swingley Ridge Dr., Ste 300
Chesterfield, Missouri 63017
636.240.2444
www.gbateam.com
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624



CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	846623.82	991180.86
2	846622.73	991181.77
3	846622.09	991188.75
4	846621.01	991189.59
5	846627.98	991190.22
6	846627.07	991189.14
7	846627.26	991187.17
8	846628.13	991186.26
9	846639.26	991187.25
10	846640.35	991186.34
11	846641.11	991178.12
12	846642.19	991177.21
13	846635.22	991176.58
14	846636.13	991177.66
15	846635.83	991180.92
16	846634.74	991181.83

CENTER MEDIAN
RTE. 366 / LINDBERGH RD
STA 2040+70.64 TO STA 2040+88.60



CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	847134.71	991265.12
2	847135.52	991266.19
3	847134.56	991277.17
4	847134.64	991277.76
5	847136.26	991282.41
6	847135.75	991283.64
7	847142.25	991281.41
8	847141.04	991280.94
9	847139.72	991277.13
10	847139.64	991276.54
11	847140.50	991266.59
12	847141.59	991265.69

NE QUADRANT
RTE. 366 / LINDBERGH RD
STA 2045+88.88 TO STA 2046+26.52

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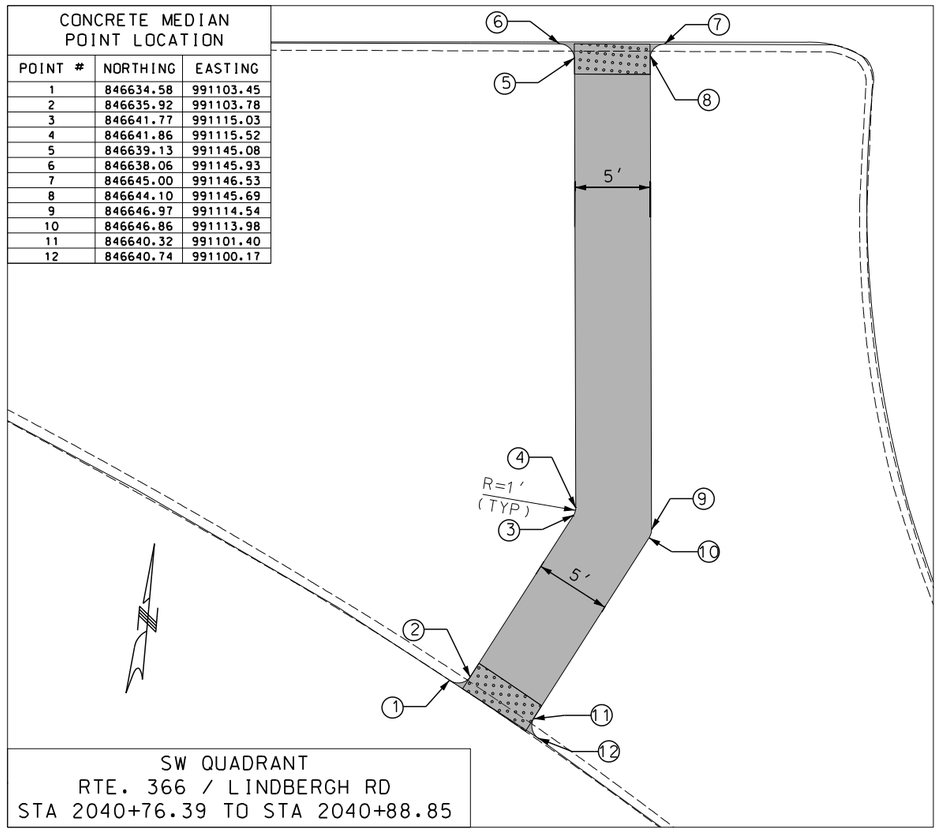
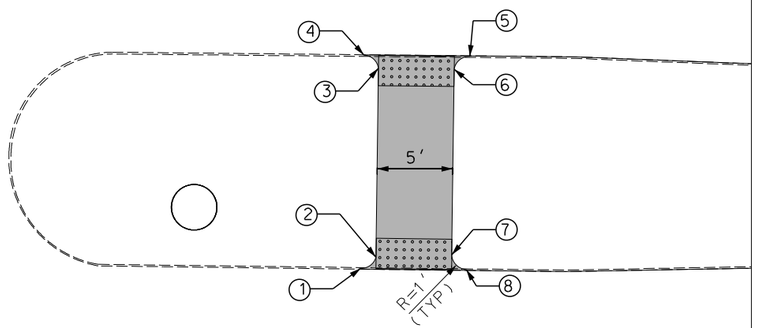
SCALE
0 5 10 15

CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	846634.58	991103.45
2	846635.92	991103.78
3	846641.77	991115.03
4	846641.86	991115.52
5	846639.13	991145.08
6	846638.06	991145.93
7	846645.00	991146.53
8	846644.10	991145.69
9	846646.97	991114.54
10	846646.86	991113.98
11	846640.32	991101.40
12	846640.74	991100.17



SW QUADRANT
RTE. 366 / LINDBERGH RD
STA 2040+76.39 TO STA 2040+88.85



CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	847138.39	991221.84
2	847139.31	991222.68
3	847138.23	991235.10
4	847137.19	991235.86
5	847144.14	991236.48
6	847143.21	991235.54
7	847144.28	991223.33
8	847145.33	991222.47

CENTER MEDIAN
RTE. 366 / LINDBERGH RD
STA 2045+88.83 TO STA 2045+93.83

SHEET 3 OF 11

ISLAND AND MEDIAN DETAILS

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
07/29/2024 8:10:08 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	229

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

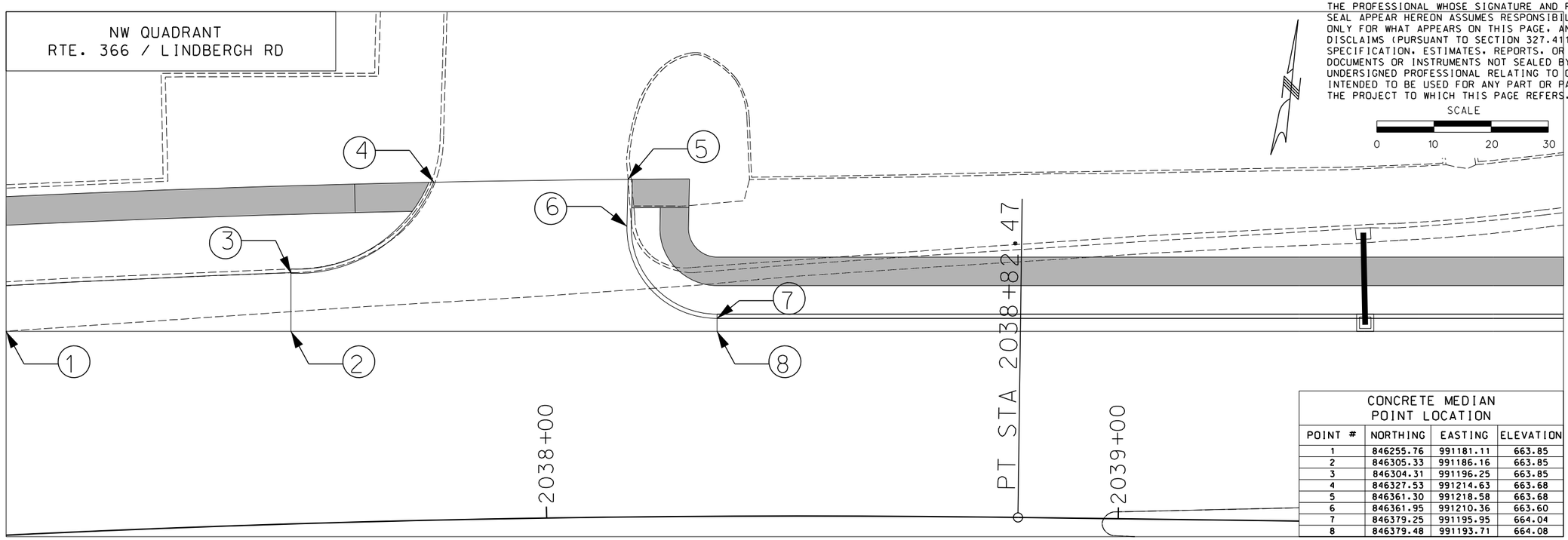
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE	REV.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr., Ste 300
Chesterfield, Missouri 63017
636.240.2444
www.gbateam.com
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624



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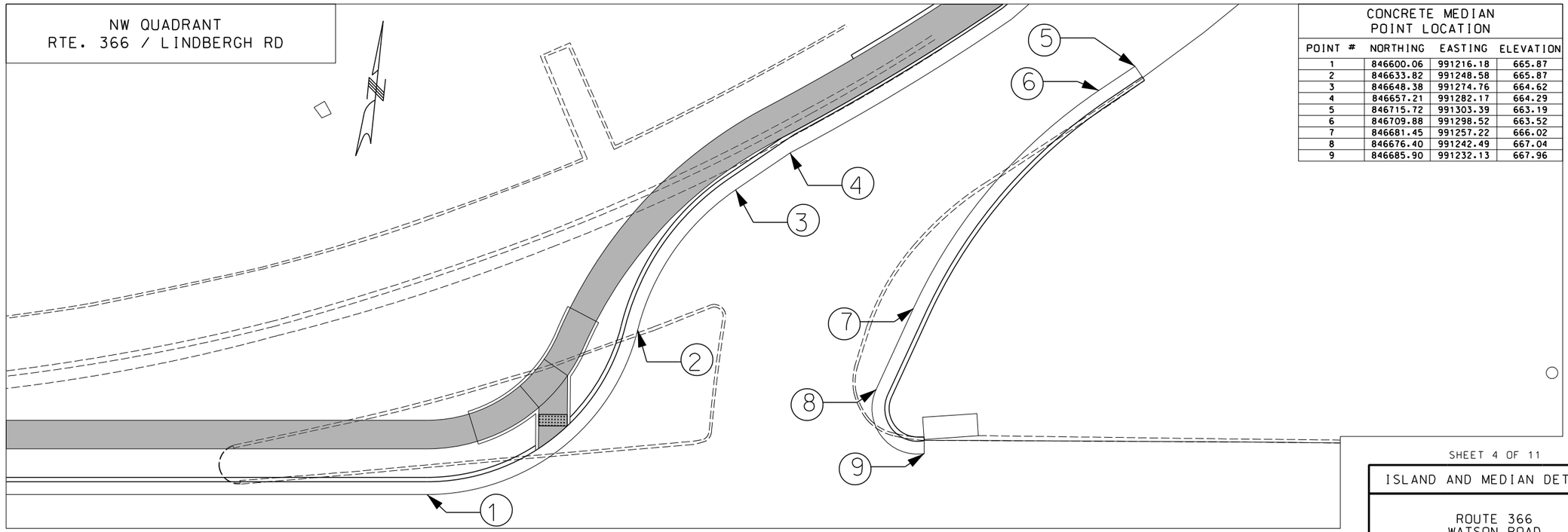
SCALE
0 10 20 30

CONCRETE MEDIAN POINT LOCATION

POINT #	NORTHING	EASTING	ELEVATION
1	846255.76	991181.11	663.85
2	846305.33	991186.16	663.85
3	846304.31	991196.25	663.85
4	846327.53	991214.63	663.68
5	846361.30	991218.58	663.68
6	846361.95	991210.36	663.60
7	846379.25	991195.95	664.04
8	846379.48	991193.71	664.08



CONCRETE MEDIAN POINT LOCATION

POINT #	NORTHING	EASTING	ELEVATION
1	846600.06	991216.18	665.87
2	846633.82	991248.58	665.87
3	846648.38	991274.76	664.62
4	846657.21	991282.17	664.29
5	846715.72	991303.39	663.19
6	846709.88	991298.52	663.52
7	846681.45	991257.22	666.02
8	846676.40	991242.49	667.04
9	846685.90	991232.13	667.96

SHEET 4 OF 11

ISLAND AND MEDIAN DETAILS

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
07/29/2024 8:10:09 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	230

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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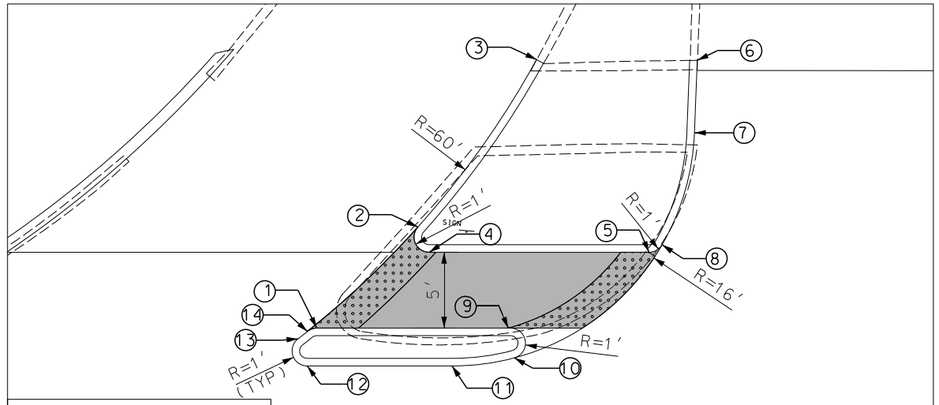
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

c:*bms*gba-pw-01*brian kierath*dms04525*230_ID_058_J6S3582_i10.dgn 7/26/2024

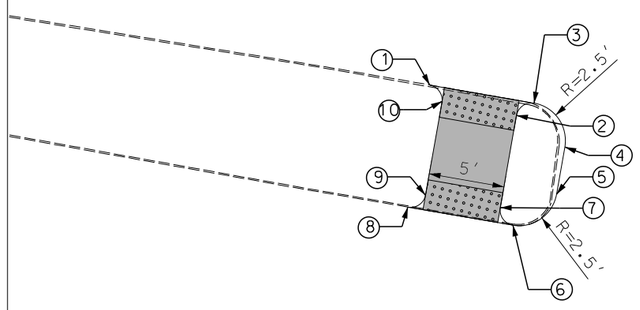


CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	852041.34	991703.34
2	852047.39	991710.57
3	852054.22	991722.27
4	852048.28	991708.98
5	852062.73	991710.26
6	852064.78	991723.16
7	852065.02	991718.38
8	852063.55	991710.83
9	852053.93	991704.46
10	852054.49	991702.53
11	852050.46	991701.64
12	852040.93	991700.79
13	852040.16	991702.52
14	852040.74	991703.07

SPLITTER ISLAND
ENTRANCE STA 2095+47 LT.
RTE. 366

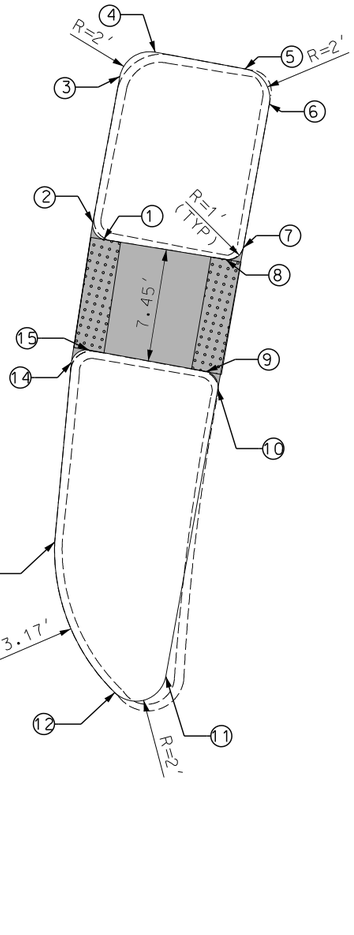
CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	852346.43	991701.39
2	852352.47	991700.94
3	852353.38	991702.02
4	852356.09	991699.75
5	852356.37	991696.59
6	852354.11	991693.88
7	852353.01	991694.78
8	852347.11	991693.23
9	852348.04	991694.29
10	852347.48	991700.56

CENTER MEDIAN
RTE. 366 / GLENWOOD DR
STA 209818.84 TO STA 2098+27.34



SOUTH QUADRANT
RTE. 366 / GLENWOOD DR

CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	852411.47	991644.94
2	852410.51	991645.85
3	852409.72	991655.60
4	852411.55	991657.76
5	852417.57	991658.24
6	852419.72	991656.41
7	852420.53	991646.80
8	852419.62	991645.77
9	852420.29	991638.28
10	852421.32	991637.37
11	852422.93	991618.17
12	852419.96	991616.26
13	852413.55	991624.81
14	852411.53	991636.56
15	852412.45	991637.64



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SCALE
0 5 10 15

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
07/29/2024 8:10:09 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	231

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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PRO. ENGINEER 000133
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PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SHEET 5 OF 11

ISLAND AND MEDIAN DETAILS

ROUTE 366
WATSON ROAD

REV.

c:*bms*gba-pw-01*brian kierath*dms04525*231_ID_059_J6S3582_i5.dgn 7/26/2024

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SCALE

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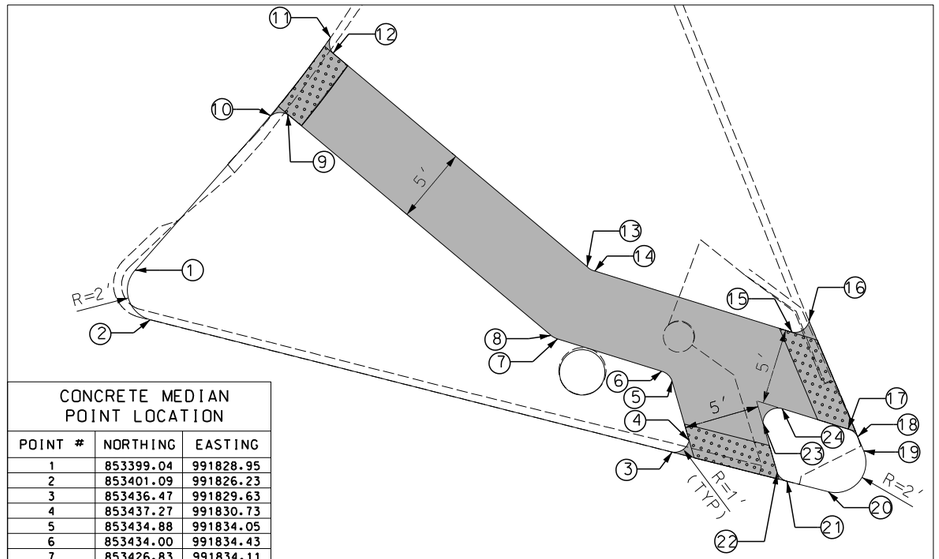
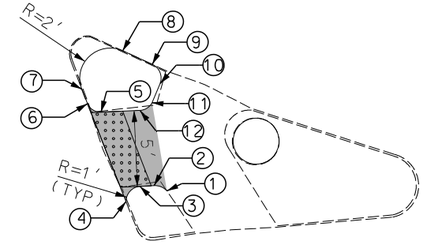


CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	853399.04	991828.95
2	853401.09	991826.23
3	853436.47	991829.63
4	853437.27	991830.73
5	853434.88	991834.05
6	853434.00	991834.43
7	853426.83	991834.11
8	853426.35	991834.18
9	853405.07	991842.05
10	853404.02	991841.58
11	853406.01	991847.77
12	853406.51	991846.85
13	853427.05	991839.26
14	853427.64	991839.15
15	853441.25	991839.74
16	853442.06	991840.81
17	853446.89	991834.98
18	853447.66	991834.72
19	853448.33	991833.99
20	853447.04	991830.65
21	853444.27	991830.38
22	853443.46	991830.68
23	853441.45	991833.48
24	853442.33	991834.78

NW QUADRANT
RTE. 366 / SAPPINGTON RD



CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
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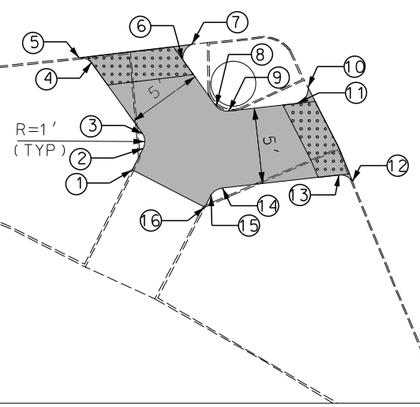
2	853543.03	991839.14
3	853542.08	991839.10
4	853541.17	991838.09
5	853539.52	991843.99
6	853538.62	991844.54
7	853538.25	991845.51
8	853540.95	991848.04
9	853542.90	991847.15
10	853543.42	991845.88
11	853542.89	991844.61
12	853542.10	991844.10

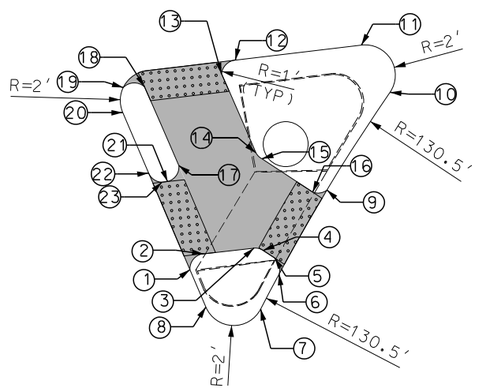
NE QUADRANT
RTE. 366 / SAPPINGTON RD

CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	853499.16	991741.43
2	853499.87	991742.84
3	853499.84	991743.80
4	853496.46	991748.50
5	853495.63	991748.82
6	853502.48	991748.69
7	853503.09	991749.70
8	853504.69	991745.63
9	853505.52	991745.30
10	853510.75	991746.86
11	853510.02	991745.80
12	853513.69	991740.67
13	853512.78	991741.08
14	853505.11	991740.22
15	853504.36	991739.78
16	853503.94	991738.96

SW QUADRANT
RTE. 366 / SAPPINGTON RD



SE QUADRANT
RTE. 366 / SAPPINGTON RD



CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	853587.02	991748.47
2	853587.93	991749.53
3	853591.24	991749.90
4	853591.87	991749.75
5	853592.62	991749.25
6	853592.91	991748.19
7	853591.69	991745.88
8	853588.07	991746.00
9	853596.07	991753.73
10	853600.23	991760.18
11	853598.34	991763.30
12	853590.02	991762.31
13	853589.11	991761.40
14	853591.38	991756.19
15	853591.78	991755.79
16	853595.12	991753.59
17	853586.30	991755.35
18	853584.03	991760.55
19	853582.63	991760.50
20	853582.59	991758.84
21	853585.55	991754.29
22	853584.29	991754.85
23	853585.18	991754.25

SHEET 6 OF 11

ISLAND AND MEDIAN DETAILS

ROUTE 366
WATSON ROAD

BRIAN KIERATH
PROFESSIONAL
ENGINEER
PE-2023008624

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
07/29/2024 8:10:09 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	232

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.	DESCRIPTION	DATE

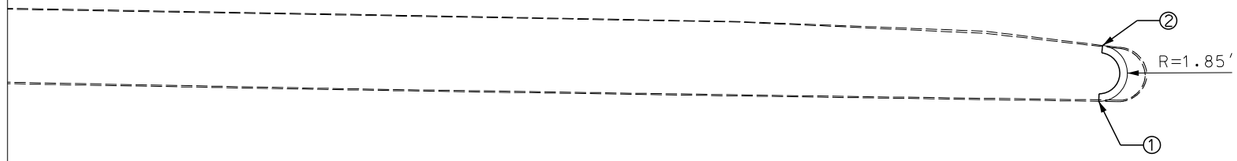
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr., Ste 300
Chesterfield, Missouri 63017
636.240.2444
www.gbateam.com
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

c:*bms*gba-pw-01*brian kierath*dms04525*232_ID_060_J6S3582_i5.dgn 7/26/2024

CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	853458.77	991796.09
2	853458.63	991799.78

CENTER MEDIAN
RTE. 366 / SAPPINGTON RD
STA 2109+34.22 TO STA 2109+36.06



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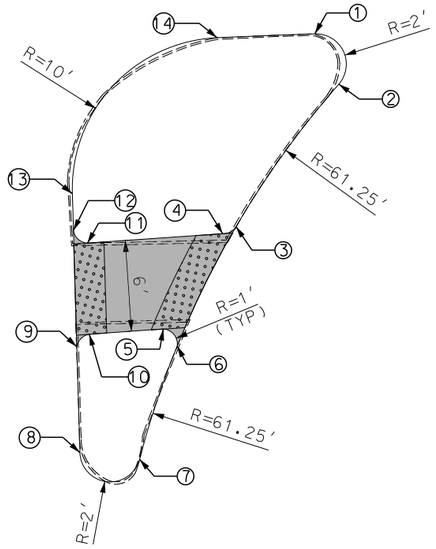
SCALE
0 5 10 15

CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	854539.89	991921.59
2	854542.28	991918.80
3	854538.17	991907.94
4	854537.45	991907.27
5	854535.30	991900.18
6	854536.47	991899.32
7	854536.01	991891.46
8	854532.09	991890.88
9	854530.08	991897.58
10	854530.67	991898.58
11	854529.00	991904.35
12	854527.87	991904.92
13	854527.17	991907.24
14	854533.73	991919.66

SPLITTER ISLAND
ENTRANCE STA. 2120+02 RT.
RTE. 366



SHEET 7 OF 11

ISLAND AND MEDIAN DETAILS

ROUTE 366
WATSON ROAD

BRIAN D. KIERATH JR. NUMBER PE-2023008624
STATE OF MISSOURI
PROFESSIONAL ENGINEER
07/29/2024 8:10:10 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED 7/26/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 233
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr., Ste 300
Chesterfield, Missouri 63017
636.240.2444
www.gbateam.com
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

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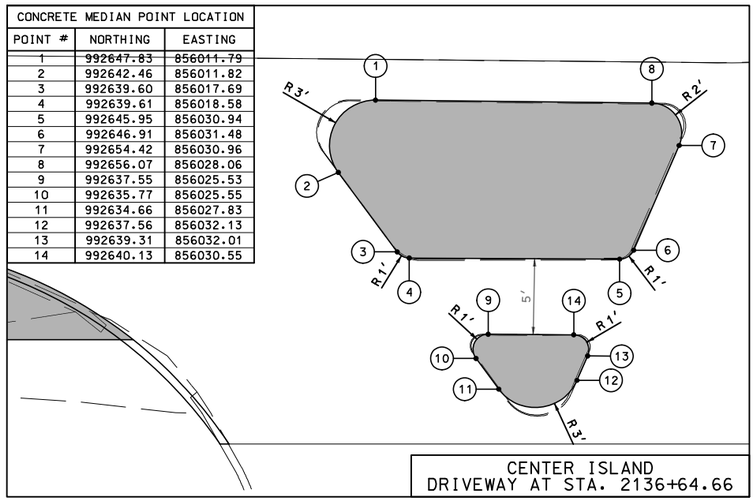
CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	992647.83	856011.79
2	992642.46	856011.82
3	992639.60	856017.69
4	992639.61	856018.58
5	992645.95	856030.94
6	992646.91	856031.48
7	992654.42	856030.96
8	992656.07	856028.06
9	992637.55	856025.53
10	992635.77	856025.55
11	992634.66	856027.83
12	992637.56	856032.13
13	992639.31	856032.01
14	992640.13	856030.55



CENTER ISLAND
DRIVEWAY AT STA. 2136+64.66

CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
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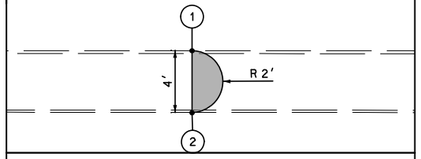
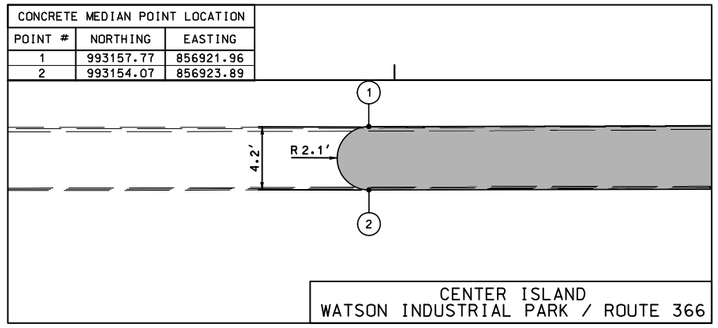
2	993054.38	856710.70



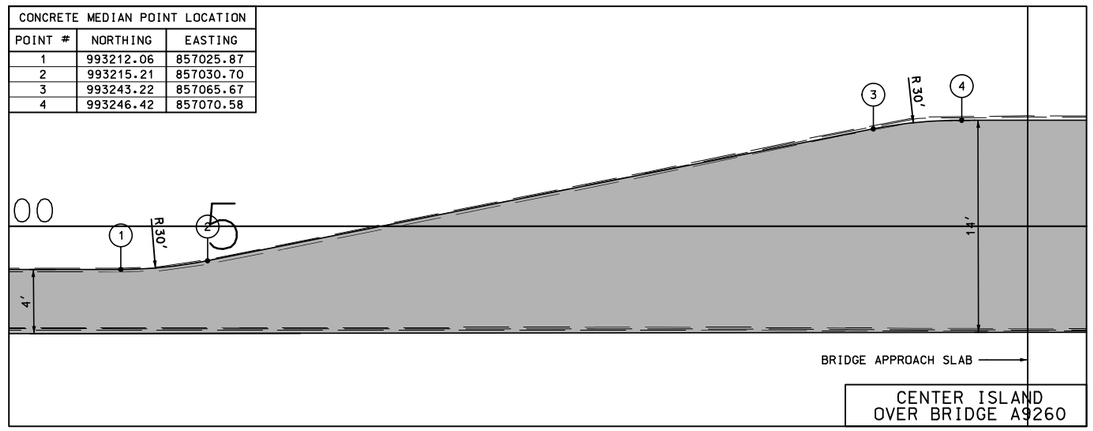
CENTER ISLAND
WATSON INDUSTRIAL PARK / ROUTE 366

CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	993157.77	856921.96
2	993154.07	856923.89

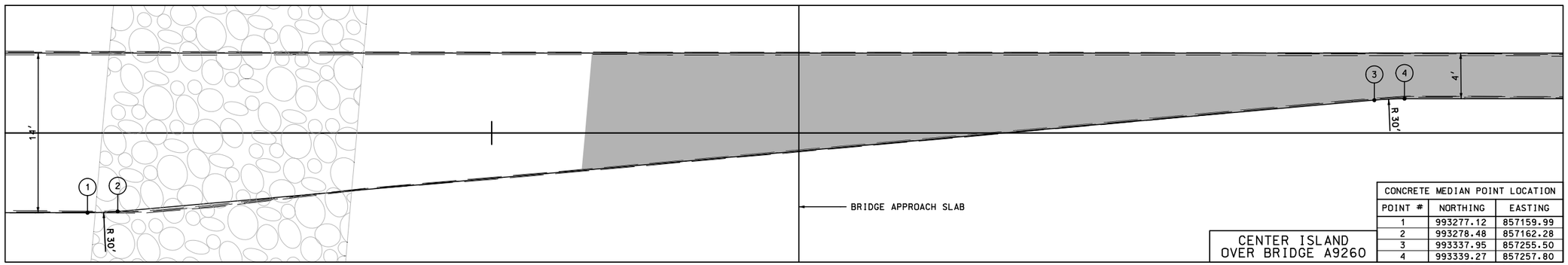


CENTER ISLAND
WATSON INDUSTRIAL PARK / ROUTE 366

CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	993212.06	857025.87
2	993215.21	857030.70
3	993243.22	857065.67
4	993246.42	857070.58



CENTER ISLAND
OVER BRIDGE A9260



CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	993277.12	857159.99
2	993278.48	857162.28
3	993337.95	857255.50
4	993339.27	857257.80

CENTER ISLAND
OVER BRIDGE A9260

SHEET 8 OF 11

ISLAND AND MEDIAN DETAILS

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/24/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	234

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

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REV.

CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	993503.05	857460.98
2	993502.70	857462.96
3	993498.11	857460.22
4	993497.76	857462.19
5	993496.07	857471.72
6	993501.28	857470.97
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8	993522.74	857514.16
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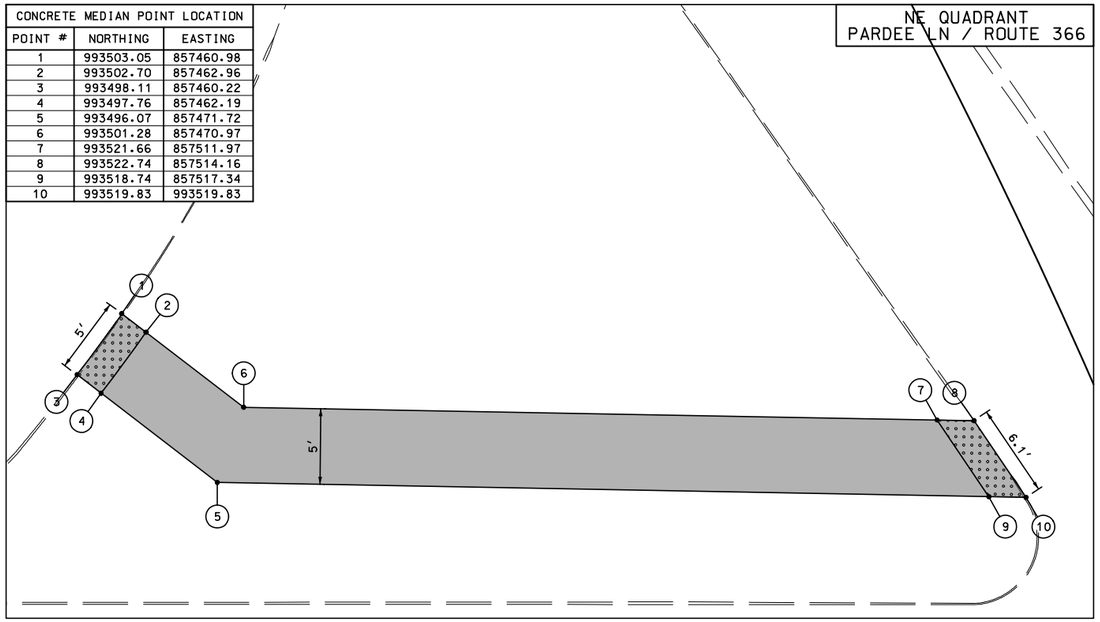
10	993519.83	993519.83



CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
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3	993540.64	857574.73
4	993544.38	857574.04
5	993550.68	857547.92
6	993548.11	857545.36
7	993540.81	857548.01
8	993540.26	857549.40
9	993534.20	857550.44
10	993535.35	857550.76
11	993541.54	857563.21
12	993542.22	857563.74
13	993545.22	857564.41
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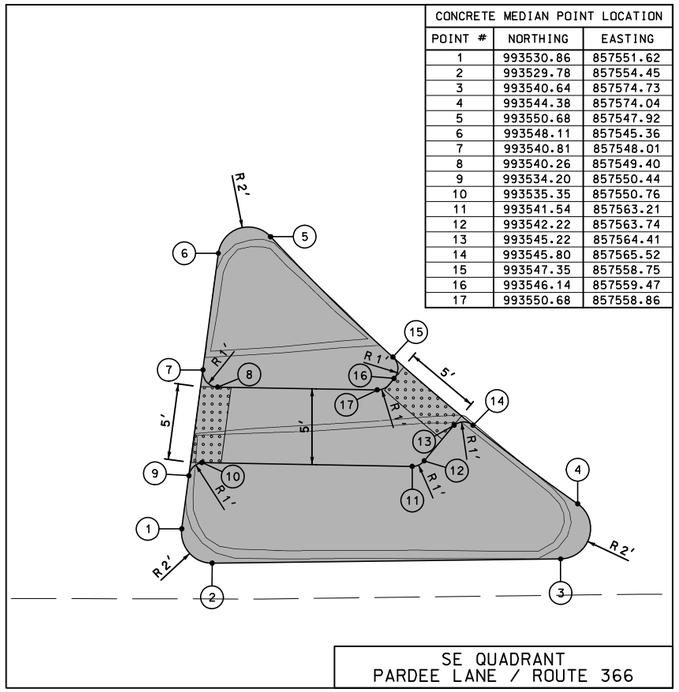

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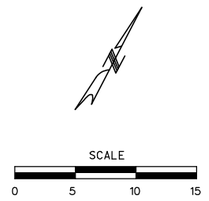

CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
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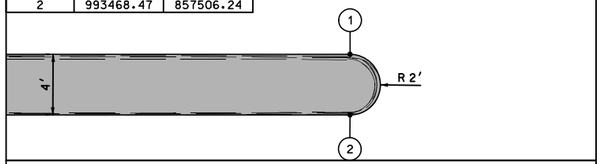
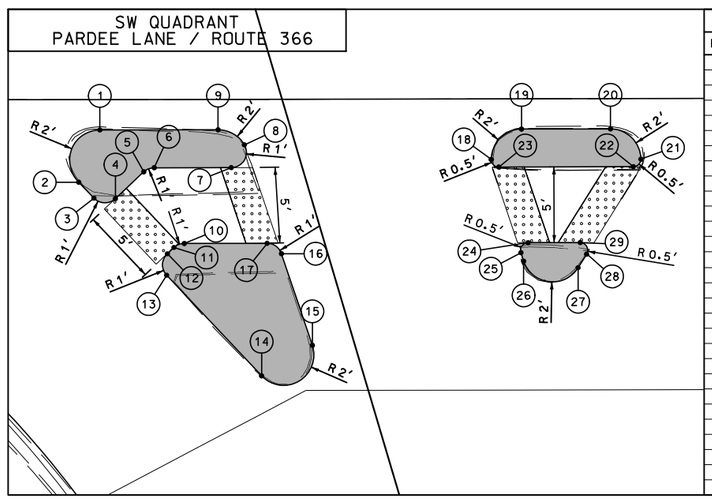
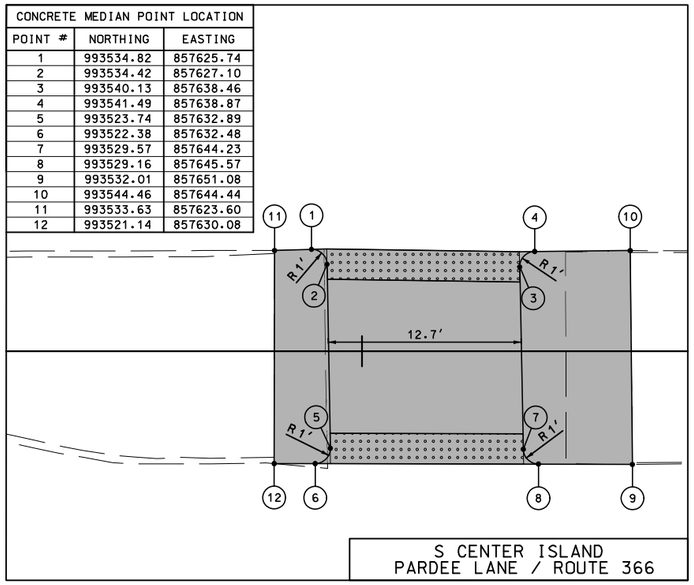




CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	993460.16	857573.86
2	993456.45	857574.21
3	993455.99	857575.59
4	993456.60	857576.86
5	993459.04	857577.71
6	993459.60	857578.20
7	993461.96	857582.71
8	993463.69	857582.78
9	993463.77	857580.78
10	993456.09	857582.27
11	993455.53	857581.79
12	993454.96	857581.59
13	993453.69	857582.20
14	993450.66	857590.84
15	993454.01	857592.87
16	993458.45	857588.27
17	993458.62	857587.11
18	993470.36	857597.68
19	993473.05	857598.53
20	993475.77	857603.74
21	993474.92	857606.44
22	993474.25	857606.22
23	993470.14	857598.36
24	993466.60	857602.38
25	993465.38	857602.69
26	993465.38	857602.69
27	993466.66	857606.07
28	993467.75	857606.11
29	993468.19	857605.43

CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	993534.82	857625.74
2	993534.42	857627.10
3	993540.13	857638.46
4	993541.49	857638.87
5	993523.74	857632.89
6	993522.38	857632.48
7	993529.57	857644.23
8	993529.16	857645.57
9	993532.01	857651.08
10	993544.46	857644.44
11	993533.63	857623.60
12	993521.14	857630.08



STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/24/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	235

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

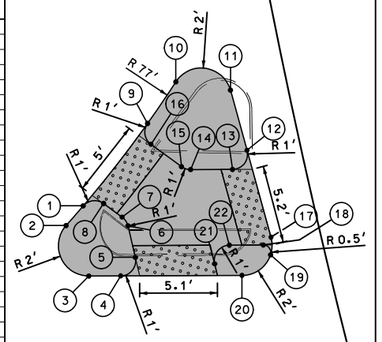
SHEET 9 OF 11

ISLAND AND MEDIAN DETAILS

ROUTE 366
WATSON ROAD

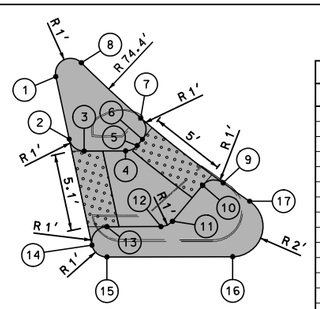
NE QUADRANT GRANT / ROUTE 366

CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	993749.02	857969.72
2	993747.35	857969.31
3	993745.09	857972.18
4	993746.06	857974.05
5	993747.60	857974.34
6	993749.22	857972.95
7	993749.56	857972.34
8	993749.78	857970.85
9	993755.82	857970.98
10	993759.11	857971.36
11	993760.28	857974.82
12	993757.27	857977.62
13	993755.70	857977.35
14	993754.42	857974.91
15	993754.32	857974.29
16	993754.69	857971.82
17	993752.92	857981.67
18	993752.21	857981.46
19	993751.87	857982.18
20	993749.78	857981.14
21	993749.64	857979.19
22	993751.17	857979.48



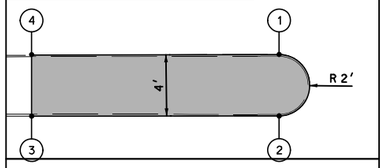
SE CENTER ISLAND GRANT / ROUTE 366

CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	993782.62	858018.08
2	993779.37	858020.77
3	993779.12	858022.00
4	993780.40	858024.43
5	993781.06	858024.94
6	993781.59	858025.06
7	993782.78	858024.32
8	993784.21	858019.15
9	993781.50	858031.11
10	993780.73	858029.99
11	993777.71	858029.31
12	993777.04	858028.79
13	993775.38	858025.64
14	993773.86	858025.33
15	993773.61	858026.57
16	993777.47	858033.92
17	993781.23	858033.22



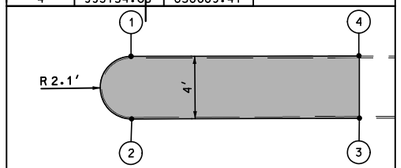
N CENTER ISLAND GRANT / ROUTE 366

CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	993717.07	857975.81
2	993713.47	857977.69
3	993705.93	857963.19
4	993713.47	857961.34



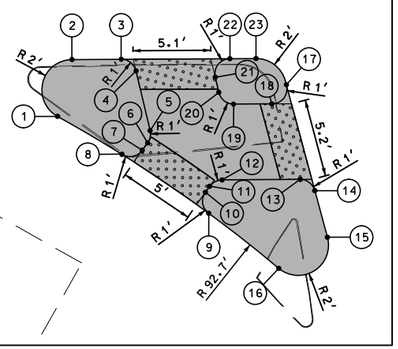
S CENTER ISLAND GRANT / ROUTE 366

CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	993757.70	858076.07
2	993754.05	858078.01
3	993757.70	858091.33
4	993754.05	858089.41



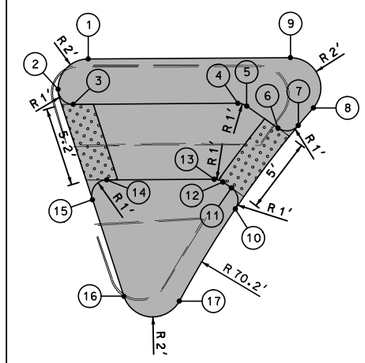
NW QUADRANT GRANT / ROUTE 366

CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	993687.43	858018.59
2	993691.19	858017.71
3	993692.71	858020.58
4	993692.47	858021.80
5	993689.41	858024.44
6	993688.61	858024.67
7	993688.01	858024.58
8	993687.16	858023.51
9	993686.35	858030.40
10	993687.48	858029.56
11	993687.97	858029.63
12	993688.71	858030.15
13	993691.12	858034.72
14	993690.91	858035.92
15	993688.56	858038.08
16	993685.26	858036.17
17	993696.25	858031.03
18	993694.69	858030.76
19	993693.51	858028.54
20	993693.74	858027.31
21	993694.52	858026.64
22	993696.06	858026.93
23	993696.86	858028.45



SW QUADRANT GRANT / ROUTE 366

CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	993721.10	858074.40
2	993718.40	858073.56
3	993717.97	858074.91
4	993723.05	858084.53
5	993723.15	858085.13
6	993722.82	858087.63
7	993723.60	858088.74
8	993725.08	858089.08
9	993727.32	858086.21
10	993716.79	858087.59
11	993717.90	858086.73
12	993717.99	858086.05
13	993717.88	858085.45
14	993714.57	858079.18
15	993712.97	858078.94
16	993708.28	858083.72
17	993709.68	858087.12



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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/24/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	236

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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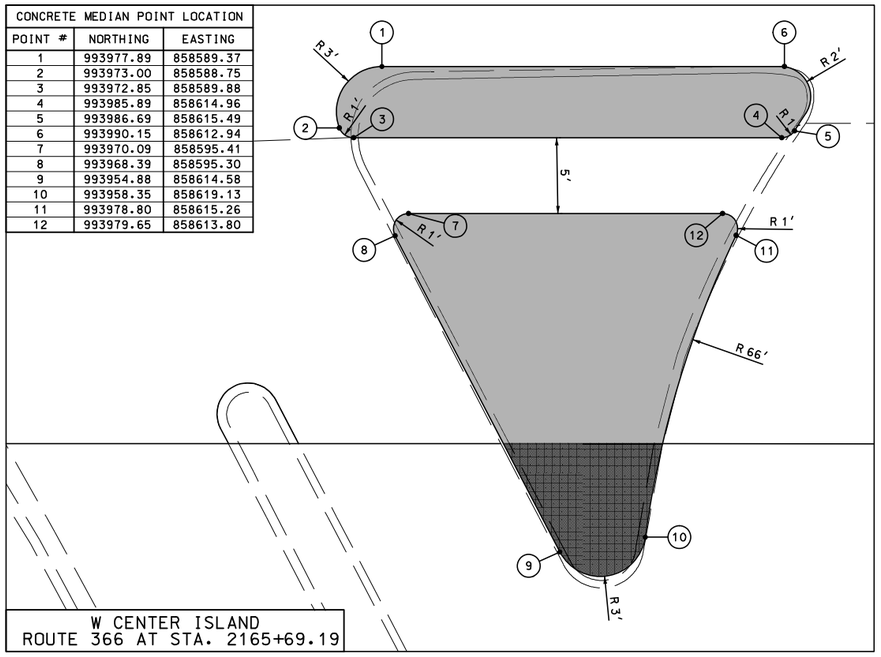
SHEET 10 OF 11

ISLAND AND MEDIAN DETAILS

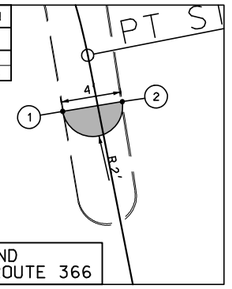
ROUTE 366
WATSON ROAD

CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	993977.89	858589.37
2	993973.00	858588.75
3	993972.85	858589.88
4	993985.89	858614.96
5	993986.69	858615.49
6	993990.15	858612.94
7	993970.09	858595.41
8	993968.39	858595.30
9	993954.88	858614.58
10	993958.35	858619.13
11	993978.80	858615.26
12	993979.65	858613.80



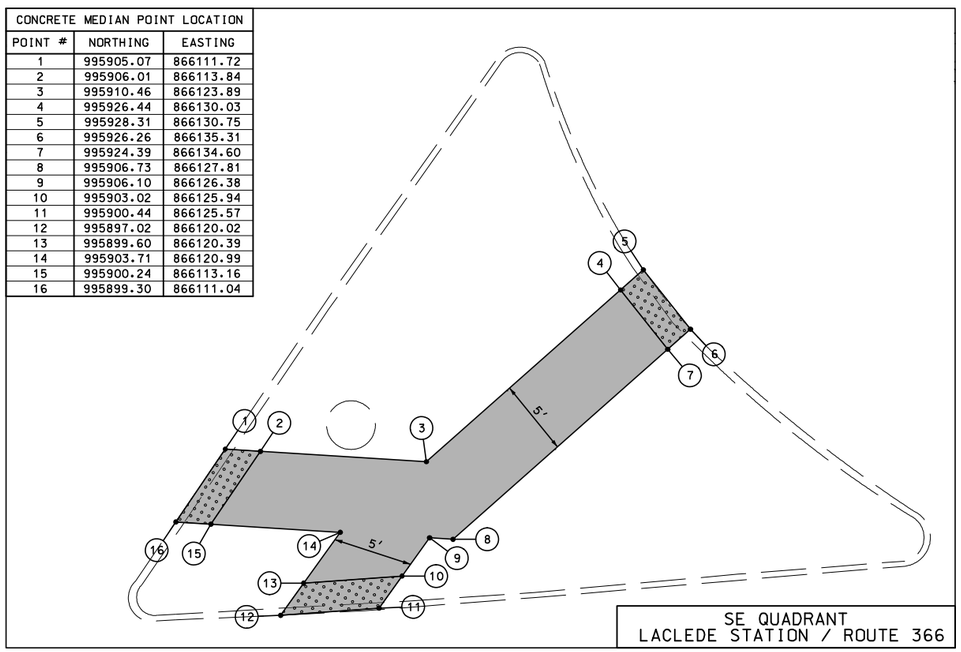
W CENTER ISLAND
ROUTE 366 AT STA. 2165+69.19

CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	995047.36	862384.78
2	995049.74	862387.98



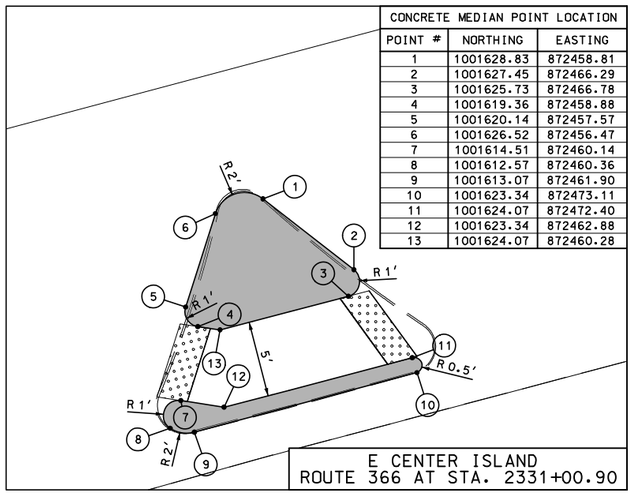
E CENTER ISLAND
OLD WATSON ROAD / ROUTE 366

CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	995905.07	866111.72
2	995906.01	866113.84
3	995910.46	866123.89
4	995926.44	866130.03
5	995928.31	866130.75
6	995926.26	866135.31
7	995924.39	866134.60
8	995906.73	866127.81
9	995906.10	866126.38
10	995903.02	866125.94
11	995900.44	866125.57
12	995897.02	866120.02
13	995899.60	866120.39
14	995903.71	866120.99
15	995900.24	866113.16
16	995899.30	866111.04



SE QUADRANT
LACLEDE STATION / ROUTE 366

CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	1001628.83	872458.81
2	1001627.45	872466.29
3	1001625.73	872466.78
4	1001619.36	872458.88
5	1001620.14	872457.57
6	1001626.52	872456.47
7	1001614.51	872460.14
8	1001612.57	872460.36
9	1001613.07	872461.90
10	1001623.34	872473.11
11	1001624.07	872472.40
12	1001623.34	872462.88
13	1001624.07	872460.28



E CENTER ISLAND
ROUTE 366 AT STA. 2331+00.90



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CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/24/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	237

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
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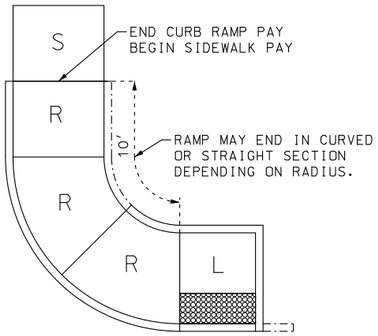
SHEET 11 OF 11

ISLAND AND MEDIAN DETAILS

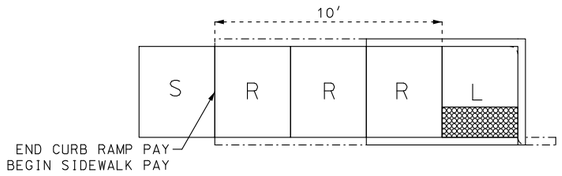
ROUTE 366
WATSON ROAD

PEDESTRIAN CURB RAMP PAY LIMITS

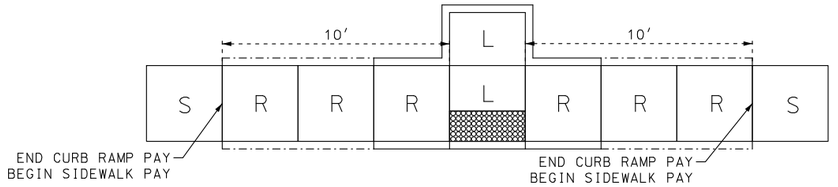


TYPE 1 PARALLEL

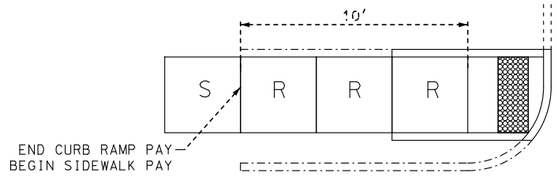
THE LENTH OF THIS RAMP SHALL BE MEASURED ON THE INSIDE/SHORT SIDE OF THE CURVE



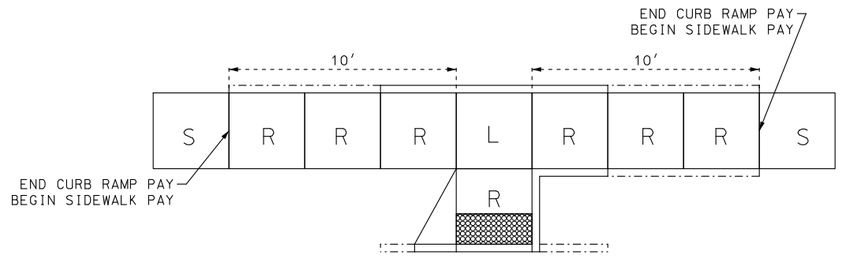
TYPE 2 PARALLEL



TYPE 3 PARALLEL

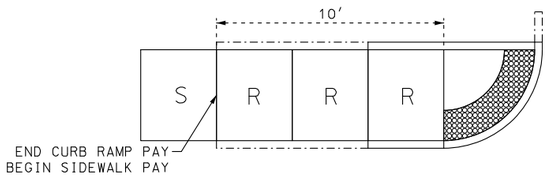


SMALL RADIUS PERPENDICULAR

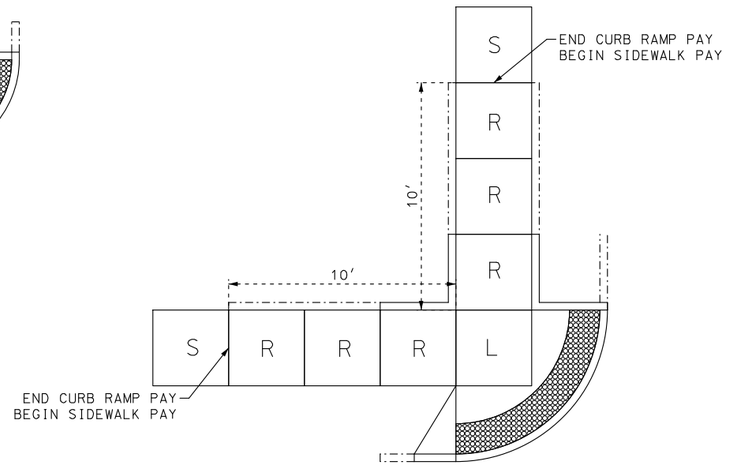


COMPOUND PERPENDICULAR

DUAL PERPENDICULAR
PAY AS 2 EACH



LARGE RADIUS PERPENDICULAR



BLENDED TRANSITION
PAY AS 2 EACH

Notes –
10 FEET OF WALKWAY SHALL BE INCLUDED IN CURB RAMP PAY, PER EACH, AS SHOWN.

L – LANDING OR CLEAR AREA FOR TURNING MOVEMENTS AND RESTS.
R – PAY AS RAMP
S – PAY AS SIDEWALK.

SEE JSP FOR OTHER INCIDENTALS INCLUDED IN CURB RAMP PAY.
SEE STANDARD PLANS 608 SERIES FOR DIMENTIONS, GRADES, AND OTHER REQUIREMENTS.
CONTRACTOR WILL HAVE OPTION TO CONSTRUCT RAMP WITH FLARE OR CURB FOR CERTAIN RAMPS ABOVE.

SHEET 1 OF 9

SPECIAL SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	238

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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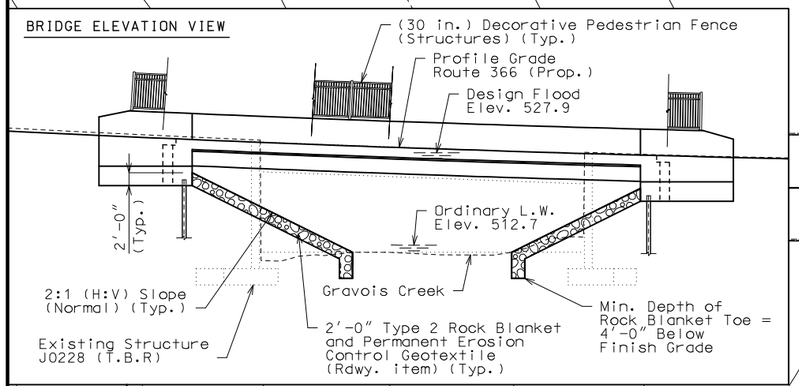
BRIDGE ELEVATION VIEW



NOTE: PROPOSED CONTOURS ARE SHOWN FOR ROCK BLANKET AREA ONLY.

SHEET 2 OF 9

SPECIAL SHEET

ROUTE 366
WATSON ROAD
BRIDGE GRADING

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	239

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE	REV.

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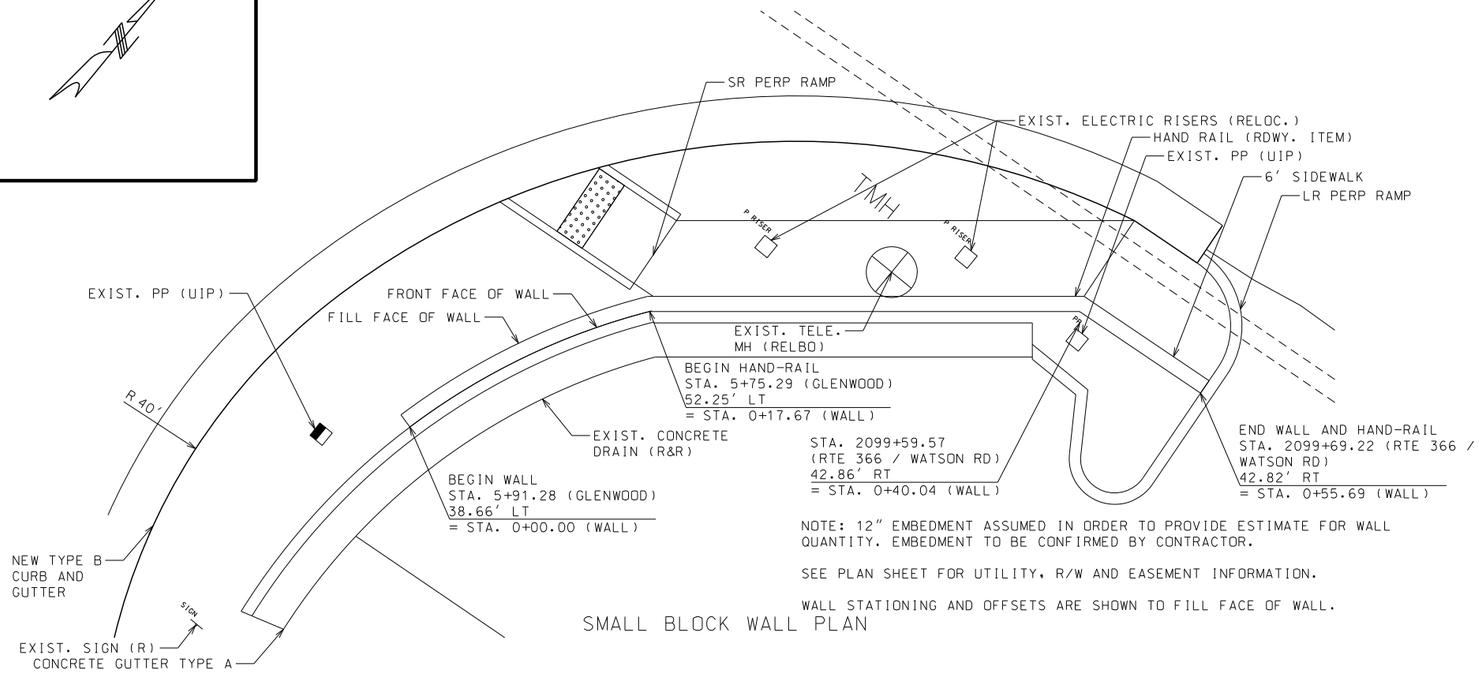
56′ MECHANICALLY STABILIZED EARTH (MSE) RETAINING WALL SYSTEM

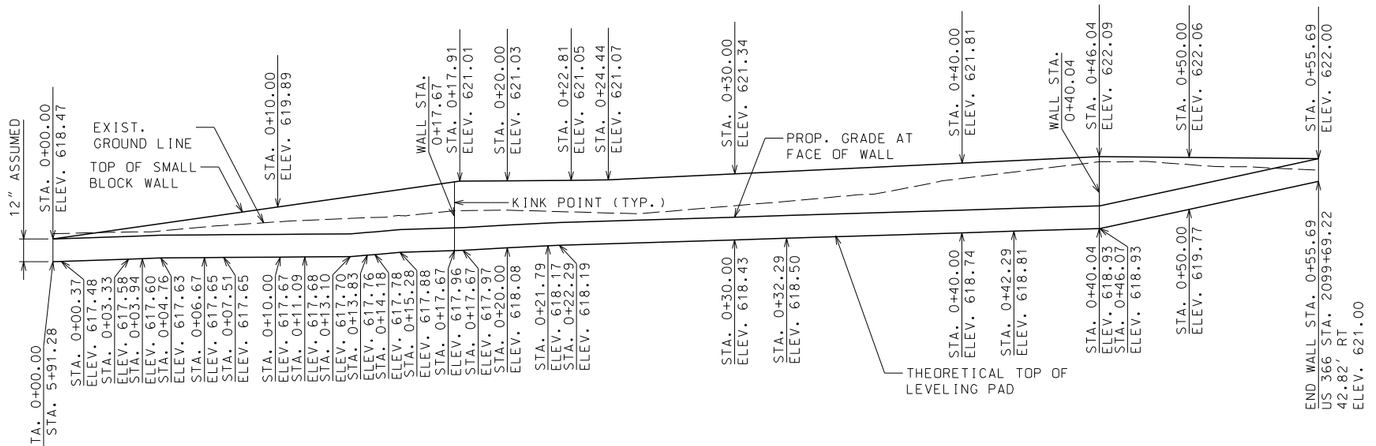


SMALL BLOCK WALL PLAN

NOTE: 12″ EMBEDMENT ASSUMED IN ORDER TO PROVIDE ESTIMATE FOR WALL QUANTITY. EMBEDMENT TO BE CONFIRMED BY CONTRACTOR.

SEE PLAN SHEET FOR UTILITY, R/W AND EASEMENT INFORMATION.

WALL STATIONING AND OFFSETS ARE SHOWN TO FILL FACE OF WALL.



SMALL BLOCK WALL DEVELOPED ELEVATION

CONCRETE LEVELING PAD NOT SHOWN FOR CLARITY. ✳

✳ WALL CONTRACTOR SHALL SHOW THE FOLLOWING ITEMS ON THE DESIGN DRAWINGS AND/OR THE FABRICATOR SHOP DRAWINGS.

1. LEVELING PAD HORIZONTAL.
2. LEVELING PAD LENGTH AND STEP ELEVATIONS SHALL BE BASED ON WALL MANUFACTURER'S RECOMMENDATION. TOP OF LEVELING PAD ELEVATIONS SHALL BE ADJUSTED FROM THE THEORETICAL TOP OF LEVELING PAD ELEVATIONS SHOWN BASED ON CONTRACTOR'S DESIGN EMBEDMENT.

ESTIMATED QUANTITIES		
ITEM		TOTAL
SMALL BLOCK RETAINING WALL	SQ. FOOT	85

MSE WALL SYSTEMS DATA TABLE					
PROPRIETARY WALL SYSTEMS		COMBINATION WALL SYSTEMS			
MANUFACTURER	SYSTEM	MANUFACTURER	SYSTEM	MANUFACTURER	SYSTEM

MSE WALL SYSTEMS DATA TABLE IS TO BE COMPLETED BY MODOT CONSTRUCTION PERSONNEL TO RECORD THE MANUFACTURER OF THE PROPRIETARY WALL SYSTEM OR THE MANUFACTURERS OF THE COMBINATION WALL SYSTEM THAT WAS USED FOR CONSTRUCTING THE MSE WALL.

NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.

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GENERAL NOTES:

SOIL BORINGS:

NO SOIL BORINGS WERE TAKEN DURING THE DESIGN OF THIS PROJECT. THE CONTRACTOR SHALL BE REQUIRED TO TAKE ALL SOIL BORINGS AND PERFORM ALL REQUIRED TESTS NECESSARY TO DESIGN ALL THE MECHANICALLY STABILIZED EARTH WALL SYSTEMS ON THIS PROJECT INCLUDING OVERALL GLOBAL STABILITY.

MISCELLANEOUS:

THE MSE SYSTEM SHALL BE A SMALL BLOCK WALL SYSTEM.

THE COST OF JOINT FILLER AND JOINT SEAL, COMPLETE IN PLACE, WILL BE CONSIDERED COMPLETELY COVERED BY THE CONTRACT UNIT PRICE FOR CONCRETE SIDEWALK, 6 IN. SEE ROADWAY PLANS.

THE TOP AND BOTTOM ELEVATIONS ARE GIVEN FOR A VERTICAL WALL. IF A BATTERED SMALL BLOCK WALL SYSTEM IS USED, THE HEIGHT OF THE WALL SHALL BE ADJUSTED AS NECESSARY TO FIT THE GROUND SLOPE AND THE CONCRETE LEVELING PAD SHALL BE ADJUSTED AS NECESSARY TO ACCOUNT FOR THE WALL BATTER. IF A FENCE IS BUILT ON AN EXTENDED GUTTER. THEN THE HEIGHT OF THE WALL SHALL BE ADJUSTED FURTHER.

THE BASELINE OF THE WALL SHOWN IS FOR A VERTICAL WALL. IF A BATTERED WALL SYSTEM IS USED THEN THE BASELINE OF THE WALL SHALL BE ADJUSTED ACCORDINGLY.

CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN FIELD BEFORE ORDERING MATERIALS.

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE TO COORDINATE CONSTRUCTION OF THE WALL WITH ROADWAY CONSTRUCTION AND ENSURE THAT THE ROADWAY CONSTRUCTION AND ENSURE THAT THE ROADWAY CONSTRUCTION, RESULTING OR EXISTING OBSTRUCTIONS, SHALL NOT IMPACT THE CONSTRUCTION OR PERFORMANCE OF THE WALL. SOIL REINFORCEMENT SHALL BE DESIGNED AND PLACED TO AVOID DAMAGE BY GUARDRAIL POST INSTALLATION, UTILITY AND SIGN FOUNDATIONS. (SEE ROADWAY PLANS).

WALL DETAIL SHEET
SE CORNER OF RTE. 366
& GLENDWOOD DR
SHEET 3 OF 9

SPECIAL SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
07/29/2024 8:10:10 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED: 7/26/2024
MO ROUTE: 366 | STATE: MO
DISTRICT: SL | SHEET NO.: 240
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE | REV.

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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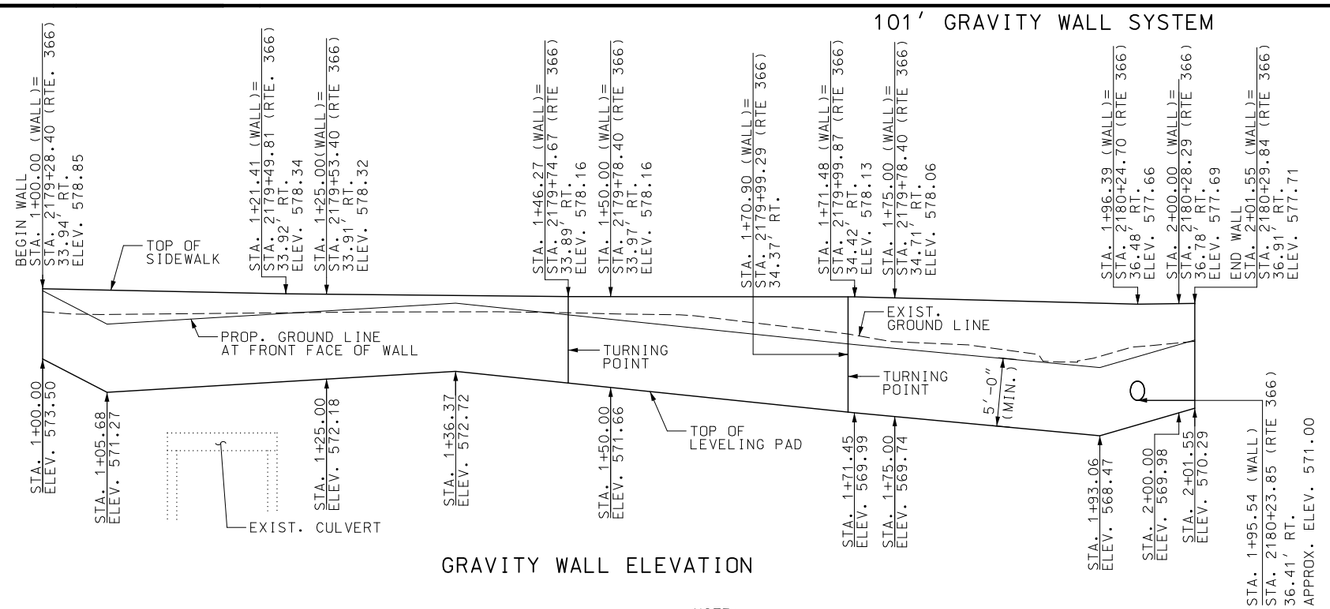
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

c:✳bms✳gba-pw-01✳brian kierath✳dms04525✳240_SS_068_J6S3582_i5.dgn 7/26/2024



GRAVITY WALL ELEVATION

◓ INDICATES LOCATION OF BORINGS.

NOTICE AND DISCLAIMER REGARDING BORING LOG DATA

THE LOCATIONS OF ALL SUBSURFACE BORINGS FOR THIS STRUCTURE ARE SHOWN ON THE PLAN SHEET(S) FOR THIS STRUCTURE. THE BORING DATA FOR ALL LOCATIONS INDICATED, AS WELL AS ANY OTHER BORING LOGS OR OTHER FACTUAL RECORDS OF SUBSURFACE DATA AND INVESTIGATIONS PERFORMED BY THE DEPARTMENT FOR THE DESIGN OF THE PROJECT WILL BE AVAILABLE FROM THE PROJECT CONTACT UPON WRITTEN REQUEST. NO GREATER SIGNIFICANCE OR WEIGHT SHOULD BE GIVEN TO THE BORING DATA DEPICTED ON THE PLAN SHEETS THAN IS GIVEN TO THE SUBSURFACE DATA AVAILABLE FROM THE DISTRICT OR ELSEWHERE.

THE COMMISSION DOES NOT REPRESENT OR WARRANT THAT ANY SUCH BORING DATA ACCURATELY DEPICTS THE CONDITIONS TO BE ENCOUNTERED IN CONSTRUCTING THIS PROJECT. A CONTRACTOR ASSUMES ALL RISKS IT MAY ENCOUNTER IN BASING ITS BID PRICES, TIME OR SCHEDULE OF PERFORMANCE ON THE BORING DATA DEPICTED HERE OR THOSE AVAILABLE FROM THE DISTRICT, OR ON ANY OTHER DOCUMENTATION NOT EXPRESSLY WARRANTED, WHICH THE CONTRACTOR MAY OBTAIN FROM THE COMMISSION.

NOTE:
WALL STATIONING AND OFFSETS ARE SHOWN TO OUTSIDE TOP EDGE OF SIDEWALK.

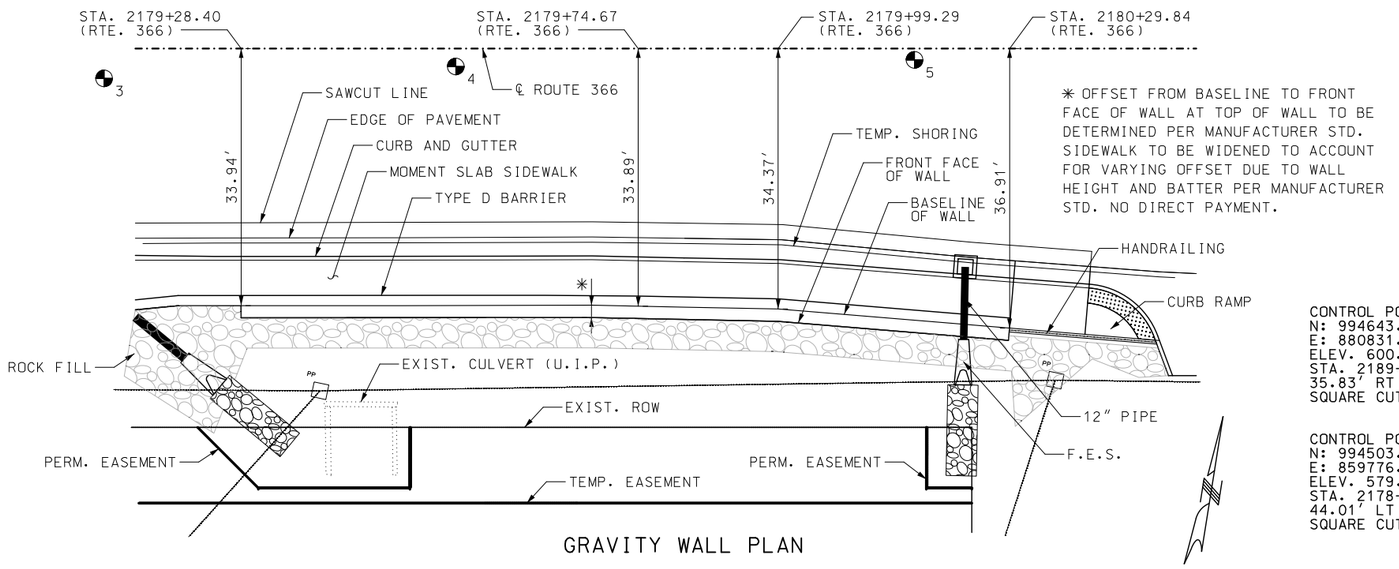
CONCRETE LEVELING PAD NOT SHOWN FOR CLARITY

WALL CONTRACTOR SHALL SHOW THE FOLLOWING ITEMS ON THE DESIGN DRAWINGS AND/OR ON THE FABRICATOR SHOP DRAWINGS.

1. LEVELING PAD HORIZONTAL.
2. LEVELING PAD LENGTH AND STEP ELEVATIONS SHALL BE BASED ON WALL MANUFACTURER'S RECOMMENDATION. TOP OF LEVELING PAD ELEVATIONS SHALL NOT BE HIGHER THAN THEORETICAL TOP OF LEVELING PAD ELEVATIONS SHOWN ON THESE PLANS.

ESTIMATED QUANTITIES

ITEM		Total
MECHANICALLY STABILIZED EARTH WALL SYSTEMS	SQ. FOOT	618
TEMPORARY SHORING	LUMP SUM	1
GROUND IMPROVEMENT	LUMP SUM	1



✳ OFFSET FROM BASELINE TO FRONT FACE OF WALL AT TOP OF WALL TO BE DETERMINED PER MANUFACTURER STD. SIDEWALK TO BE WIDENED TO ACCOUNT FOR VARYING OFFSET DUE TO WALL HEIGHT AND BATTER PER MANUFACTURER STD. NO DIRECT PAYMENT.

GRAVITY WALL PLAN

NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.

CONTROL POINT #215
N: 994643.00
E: 880831.60
ELEV. 600.974
STA. 2189+17.76
35.83′ RT
SQUARE CUT IN MANHOLE

CONTROL POINT #216
N: 994503.20
E: 859776.50
ELEV. 579.921
STA. 2178+56.44
44.01′ LT
SQUARE CUT IN MANHOLE

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GENERAL NOTES:

DESIGN SPECIFICATIONS:

2002 AASHTO LFD (17TH ED.) STANDARD SPECIFICATIONS (SECTION 5, ASD DESIGN)

DESIGN LOADING:

ϕ_b = 22° AND UNIT WEIGHT, γ_b = 120 PCF FOR RETAINED BACKFILL MATERIAL TO BE RETAINED BY MECHANICALLY STABALIZED EARTH WALL SYSTEM.

ϕ_f = 28° FOR UNIMPROVED FOUNDATION GROUND WHERE WALL IS TO BEAR.

ϕ_f = 34° FOR IMPROVED FOUNDATION GROUND WHERE WALL IS TO BEAR.

FOR UNIMPROVED FOUNDATION GROUND, THE ALLOWABLE BEARING PRESSURE IS 1.3 KSF. FOR IMPROVED FOUNDATION GROUND, THE ALLOWABLE BEARING PRESSURE IS 3.6 KSF.

THE MAXIMUM APPLIED BEARING PRESSURE FOR THE CONTROLLING DESIGN CASE AT THE FOUNDATION LEVEL SHALL BE SHOWN ON THE SHOP DRAWINGS AND SHALL BE LESS THAN THE ALLOWABLE BEARING PRESSURE FOR FOUNDATION GROUND PROVIDED HEREIN. FOR SEISMIC DESIGN THE MAXIMUM APPLIED BEARING PRESSURE SHALL BE LESS THAN TWO TIMES THE ALLOWABLE BEARING PRESSURE.

ALLOWABLE BEARING PRESSURE AND LIMITS OF IMPROVED FOUNDATION GROUND SHALL NOT BE ADJUSTED FROM THAT AS SHOWN ON THE PLANS.

CONTRACTOR SHALL INCLUDE DESIGN ϕ_f (ACTUAL $\phi_f \geq 34°$) AND THE TOTAL UNIT WEIGHT, γ_f , FOR THE SELECT GRANULAR BACKFILL (REINFORCED BACKFILL AND WEDGE AREA BACKFILL) FOR STRUCTURAL SYSTEMS ON SHOP DRAWINGS. CONTRACTOR SHALL IDENTIFY SOURCE OF SELECT GRANULAR BACKFILL MATERIAL, SUBMIT PROCTOR IN ACCORDANCE WITH AASHTO T 99 (ASTM D698) AND GRADATION WITH THE SHOP DRAWINGS. WHEN BACKFILL MATERIAL IS TOO COARSE TO DEVELOP A PROCTOR CURVE THE CONTRACTOR SHALL DETERMINE THE MAXIMUM DRY DENSITY (RELATIVE DENSITY) IN ACCORDANCE WITH ASTM D4253 AND ASTM D4254 AND ASSUME PERCENT PASSING THE 200 SIEVE FOR OPTIMUM WATER CONTENT.

TOTAL UNIT WEIGHT, γ_f = (95% COMPACTION) × (MAXIMUM DRY DENSITY) × (1 + OPTIMUM WATER CONTENT)

DESIGN ϕ_f = 34° FOR THE SELECT GRANULAR BACKFILL (REINFORCED BACKFILL) ONLY FOR STRUCTURAL SYSTEMS.

FACTOR OF SAFETY SHALL BE 2.0 FOR OVERTURNING AND 1.5 FOR SLIDING.

FOR SEISMIC DESIGN THE FACTOR OF SAFETY SHALL BE 1.5 FOR OVERTURNING AND 1.1 FOR SLIDING.

MISCELLANEOUS:

THE MSE WALL SYSTEM SHALL BE BUILT IN ACCORDANCE WITH SEC 720.

THE MSE WALL SYSTEM SHALL BE A SMALL BLOCK WALL SYSTEM.

A FILTER CLOTH MEETING THE REQUIREMENTS FOR A SEPARATION GEOTEXTILE MATERIAL SHALL BE PLACED BETWEEN THE SELECT GRANULAR BACKFILL FOR STRUCTURAL SYSTEMS AND THE BACKFILL BEING RETAINED BY THE MECHANICALLY STABILIZED EARTH WALL SYSTEM.

THE TOP AND BOTTOM ELEVATIONS ARE GIVEN FOR A VERTICAL WALL. THE HEIGHT OF THE WALL SHALL BE ADJUSTED AS NECESARY TO FIT THE GROUND SLOPE AND THE LEVELING PAD SHALL BE ADJUSTED AS NECESSARY TO ACCOUNT FOR THE WALL BATTER.

THE BASELINE OF THE WALL SHOWN IS AT THE OUTSIDE TOP EDGE OF SIDEWALK FOR A VERTICAL WALL.

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE TO COORDINATE CONSTRUCTION OF THE WALL WITH ROADWAY CONSTRUCTION AND ENSURE THAT THE ROADWAY CONSTRUCTION, RESULTING OR EXISTING OBSTRUCTIONS, SHALL NOT IMPACT THE CONSTRUCTION OR PERFORMANCE OF THE WALL.

PIPE PENETRATION THROUGH WALL PER WALL MANUFACTURER DETAIL.

SEE SPECIAL SHEET 70 FOR DETAILS OF GROUND IMPROVEMENTS FOR GRAVITY WALL.

RETAINING WALL ALONG ROUTE 366

ROUTE 366
ABOUT 2.6 MILES EAST OF ROUTE 61
STA. 2179+28.40 ROUTE 366

SHEET 4 OF 9

SPECIAL SHEET

GRAVITY WALL

STATE OF MISSOURI
JOSHUA D. JOLLIFF
NUMBER PE-2006002824
PROFESSIONAL ENGINEER
02/27/2024 4:26:07 PM
Joshua D. Jolliff
MO PE-2006002824

DATE PREPARED
2/27/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	241

COUNTY
ST. LOUIS

JOB NO.
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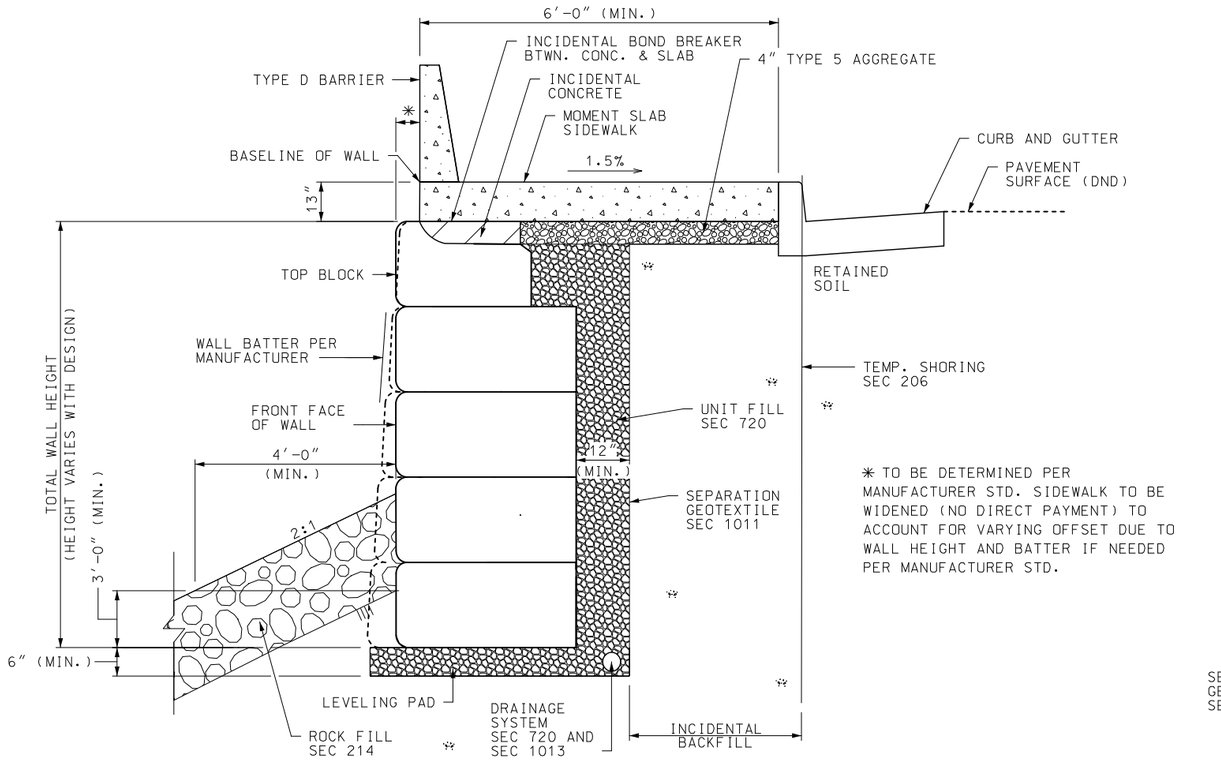


✳ TO BE DETERMINED PER MANUFACTURER STD. SIDEWALK TO BE WIDENED (NO DIRECT PAYMENT) TO ACCOUNT FOR VARYING OFFSET DUE TO WALL HEIGHT AND BATTER IF NEEDED PER MANUFACTURER STD.

TYPICAL SECTION THRU SMALL BLOCK WALL

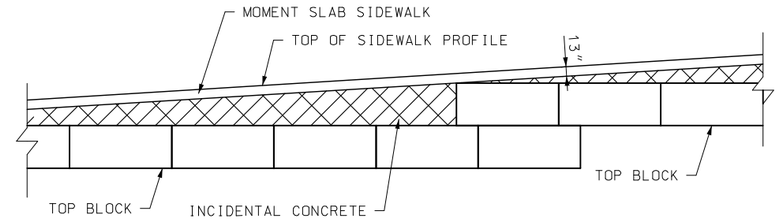
NOTE:

DRAINAGE PIPE TO BE MINIMUM 6″ DIAMETER PERFORATED PVC OR PE PIPE.

MANUFACTURER SHALL SHOW DRAIN DETAILS ON DESIGN PLANS TO BE SUBMITTED AS SHOWN ON MODOT MSE WALL PLANS AND/OR ROADWAY PLANS.

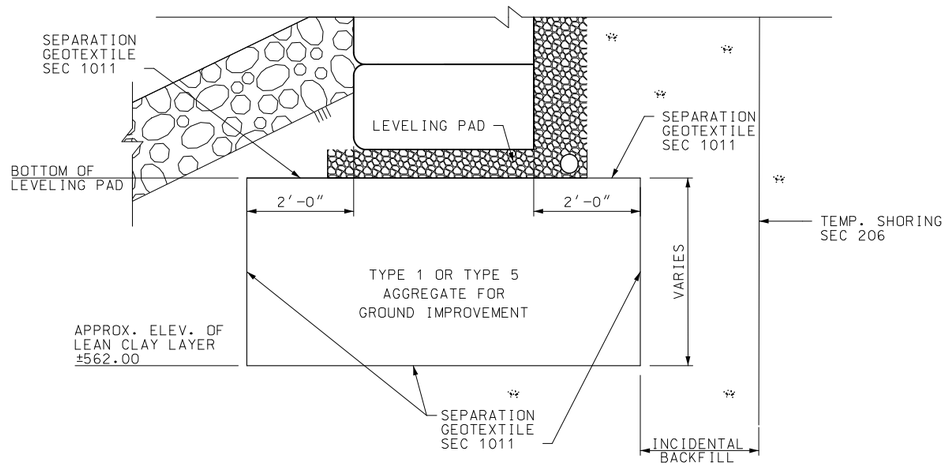
CONTRACTOR SHALL MODIFY THE DRAIN DETAILS AS SHOWN IF IT WILL IMPROVE FLOW AS MAY BE THE CASE FOR STEPPED LEVELING PAD, AND FOR AN UNEVEN GROUND LINE (APPROVAL OF THE ENGINEER REQUIRED).

SEE NEXT SHEET FOR MOMENT SLAB DETAILS.



TYPICAL SECTION PROFILE VIEW

(TYPE D BARRIER NOT SHOWN FOR CLARITY)



TYPICAL SECTION THRU GROUND IMPROVEMENT

REQUIRED WHERE TOTAL WALL HEIGHT EXCEEDS 7.5′ (WALL STA. 1+56.73 TO 2+01.55)

DETAILS FOR GRAVITY WALL

NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.

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JOSHUA D. JOLLIFF
NUMBER PE-2006002824
PROFESSIONAL ENGINEER
02/27/2024 4:26:24 PM
Joshua D. Jolliff
MO PE-2006002824

DATE PREPARED: 2/27/2024

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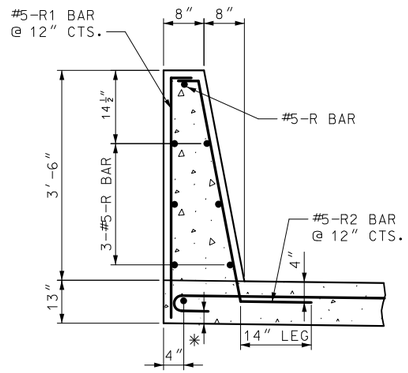
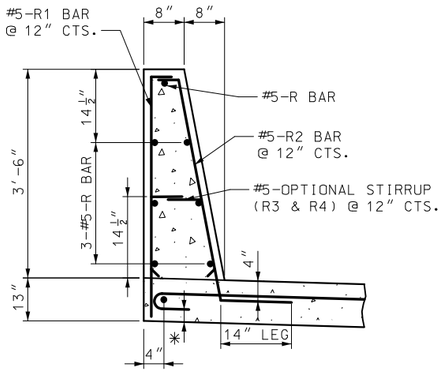
SHEET 5 OF 9

SPECIAL SHEET

GRAVITY WALL DETAILS

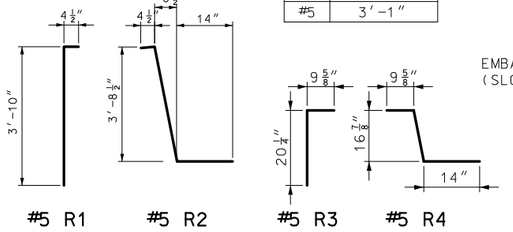


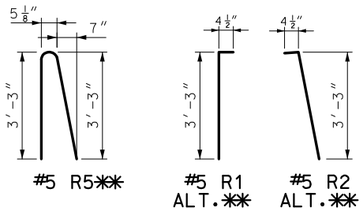
PART SECTION THROUGH BARRIER

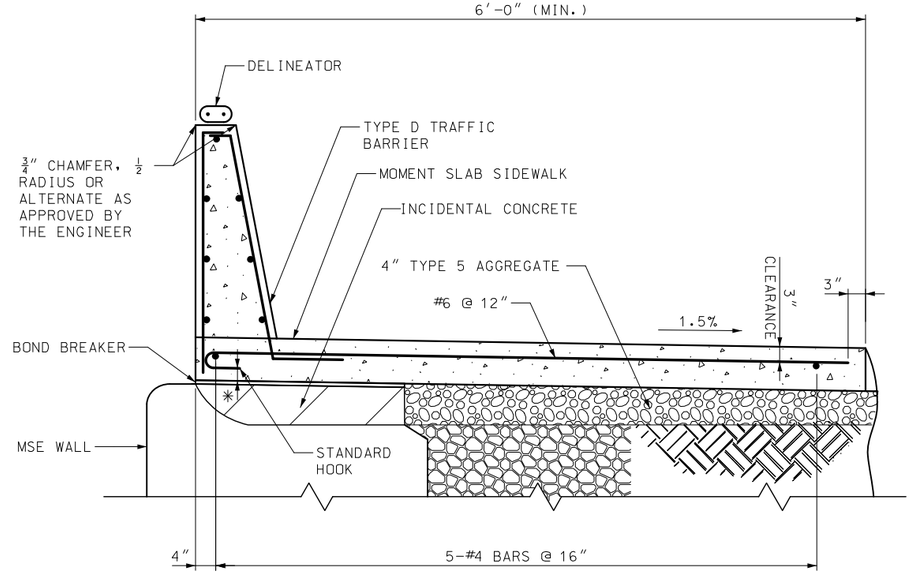


ALTERNATE PART SECTION THROUGH BARRIER WITH OPTIONAL STIRRUP

MIN. BAR SPLICE	
#4	1'-11"
#5	3'-1"

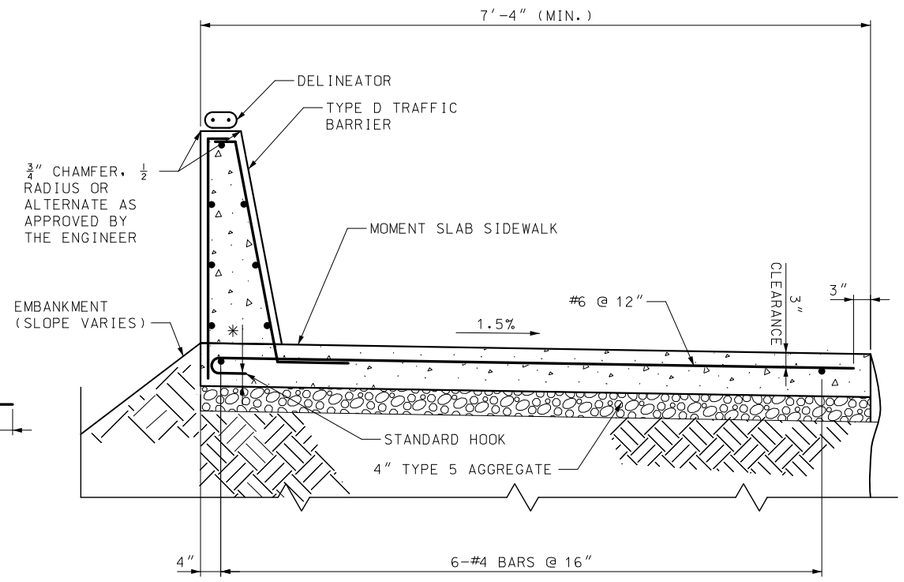






TYPE D TRAFFIC BARRIER - MOMENT SLAB SIDEWALK ON MSE WALL

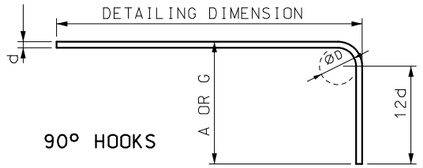
(ROUTE 366 STA. 2179+06.69 - 2180+29.93)

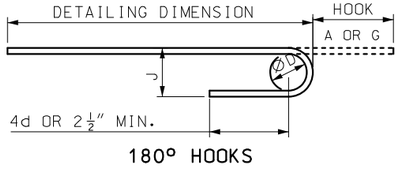


TYPE D TRAFFIC BARRIER - MOMENT SLAB SIDEWALK

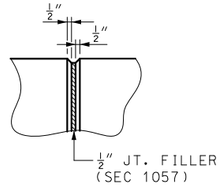
(ROUTE 366 STA. 2269+96.88 - 2270+22.87)

END HOOK DIMENSIONS				
BAR SIZE	D (IN.)	ALL GRADES		
		180° HOOKS		90° HOOKS
		A OR G	J	A OR G
#6	4½"	8"	6"	12"

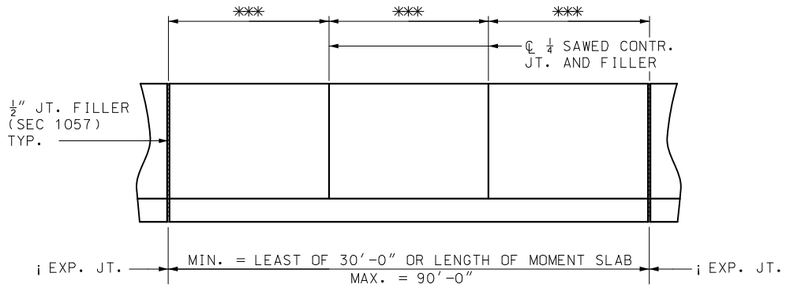




ALL STANDARD HOOKS AND BENDS OTHER THAN 180° TO BE BENT WITH THE SAME PROCEDURE AS FOR 90° STANDARD HOOKS.



PART ELEVATION AT FORMED JOINT



ELEVATION SHOWING JOINT SPACING

*** EQUAL CONTRACTION JOINT SPACING (13'-0" MIN., 30'-0" MAX.)
PROVIDE AT LEAST ONE CONTRACTION JOINT BETWEEN EXPANSION JOINTS.

NOTES:

SEE STD PLAN 617.10 FOR ADDITIONAL BARRIER NOTES AND DETAILS NOT SHOWN.

FOR CONCRETE TRAFFIC BARRIER DELINEATION DETAILS SEE STD PLAN 903.03.

PAYMENT FOR ALL CONCRETE AND REINFORCEMENT IN MOMENT SLAB SIDEWALK COMPLETE IN PLACE, WILL BE CONSIDERED COMPLETELY COVERED BY THE CONTRACT UNIT PRICE FOR MOMENT SLAB SIDEWALK.

PAYMENT FOR 4" TYPE 5 AGGREGATE COMPLETE IN PLACE, WILL BE CONSIDERED COMPLETELY COVERED BY THE CONTRACT UNIT PRICE FOR MOMENT SLAB SIDEWALK.

CONCRETE IN TYPE D BARRIER AND MOMENT SLAB SIDEWALK TO BE CLASS B-1 (F'C = 4,000).

ALL REINFORCEMENT SHALL BE GRADE 60 EPOXY COATED.

PAYMENT FOR TYPE D TRAFFIC BARRIER IN ACCORDANCE WITH 617.10.

MINIMUM CLEARANCE TO REINFORCING STEEL SHALL BE 1½" UNLESS OTHERWISE SHOWN.

REINFORCING STEEL SHALL NOT PASS THROUGH EXPANSION JOINTS OF EITHER BARRIER OR SLAB.

* TILT TRANSVERSE PAVEMENT REINFORCEMENT HOOKS FROM VERTICAL ALIGNMENT TO MAINTAIN 1½" MINIMUM CLEARANCE.

** R1 AND R2 MAY BE REPLACED WITH ALTERNATE (3'-3") R1 AND R2 OR R5 ONLY FOR USE WITH OPTIONAL STIRRUP.

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SHEET 6 OF 9

SPECIAL SHEET

MOMENT SLAB SIDEWALK

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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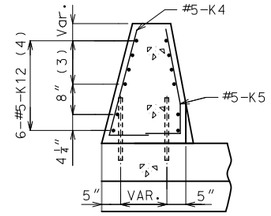
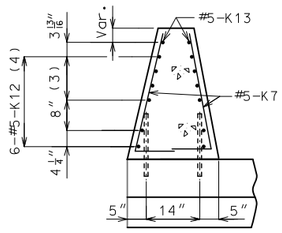
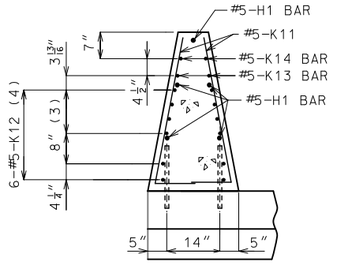


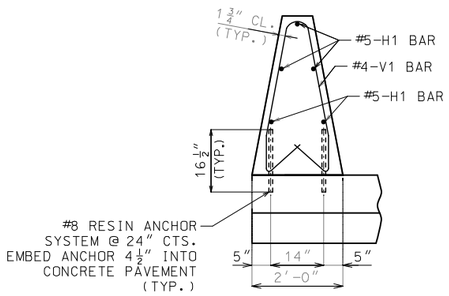
SECTION A-A



SECTION B-B



SECTION C-C



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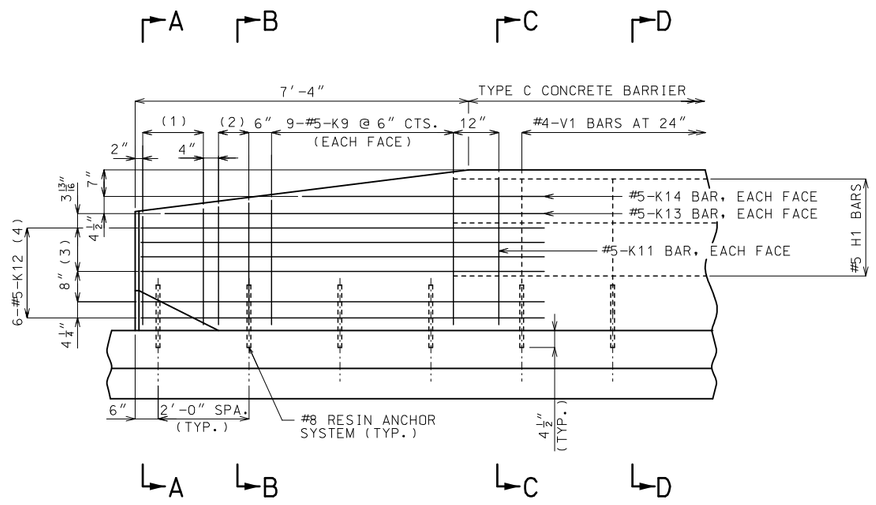
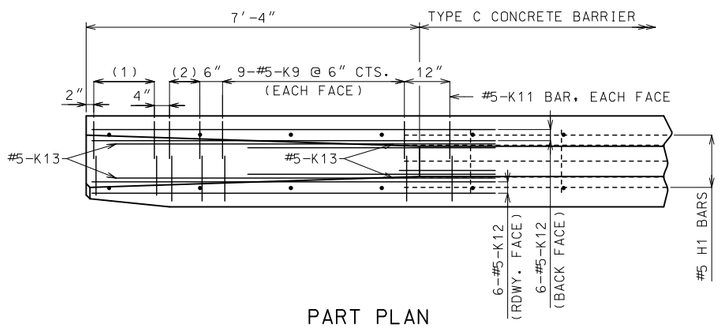
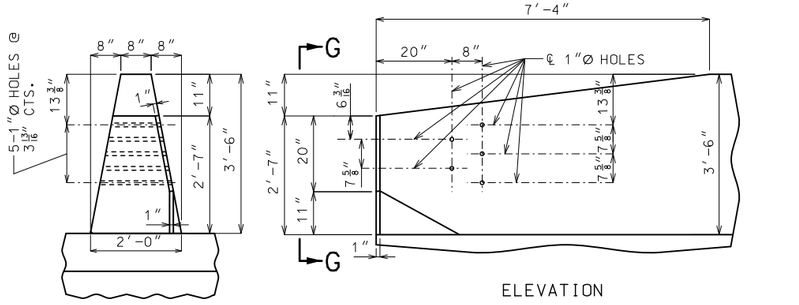


PART ELEVATION



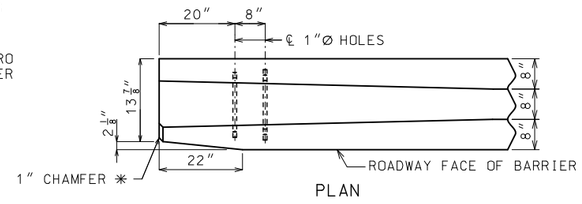
PART PLAN



ELEVATION G-G

ELEVATION

✳ TRANSITION TO ZERO AT CURB FOR GUTTER LINES TO MATCH.



PLAN

DETAILS OF GUARD RAIL ATTACHMENT

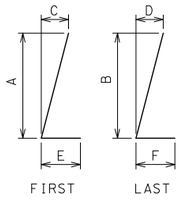
(1) 5-#5-K4 AND K5 @ 4" CTS.

(2) 3-#5-K7 @ 4" CTS., EACH FACE

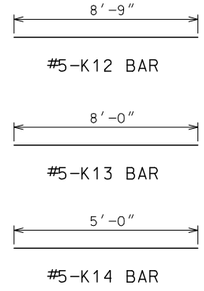
(3) 3 SPACES @ 3 3/16"

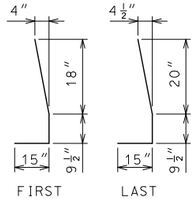
(4) SPACED AS SHOWN, EACH FACE

K-BAR DIMENSIONS						
	A	B	C	D	E	F
K4	2'-3¼"	2'-5¼"	4¾"	5¾"	14"	14"
K7	2'-5¾"	2'-6¾"	6"	6¼"	16"	16"
K9	2'-7½"	3'-1½"	6½"	7½"	16"	16"
K11	3'-2"	–	7½"	–	16"	–



#4-K4, K7, K9 & K11 BAR





#4-K5 BAR

GENERAL NOTES:

CONCRETE SHALL BE CLASS B-1 F'C = 4,000 PSI.

ALL REINFORCEMENT SHALL BE GRADE 60 EPOXY COATED.

MINIMUM CLEARANCE TO REINFORCING STEEL SHALL BE 1½", UNLESS OTHERWISE SHOWN.

BAR SPLICES SHALL BE A MINIMUM OF 24 TIMES THE NOMINAL DIAMETER OR THE BAR.

ANY METHOD DEVISED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER THAT WILL ASSURE THE LONGITUDINAL REINFORCING STEEL WILL BE POSITIONED ±1/2 INCH AS DIMENSIONED WILL BE SATISFACTORY.

THIS BARRIER SHALL NOT BE USED TO SUPPORT HIGHWAY LIGHTING POLES.

SAWED JOINTS SHALL BE SPACED AT 15'-0". SEE MISSOURI STANDARD PLANS FOR SAWED JOINT DETAIL.

FOR CONCRETE TRAFFIC BARRIER DELINEATION DETAILS SEE STD PLAN 903.03.

RESIN ANCHOR SYSTEM SHALL BE DRILLED IN THE PAVEMENT.

FOR LOCATIONS OF H1 AND V1 BARS AND DETAILS FOR TYPE C CONCRETE BARRIER SEE STD PLAN 617.10.

SHEET 7 OF 9

SPECIAL SHEET

CONCRETE TRAFFIC BARRIER HEIGHT TRANSITION

STATE OF MISSOURI
JOSHUA D. JOLLIFF
NUMBER PE-2006002824
PROFESSIONAL ENGINEER
02/27/2024 4:26:25 PM
Joshua D. Jolliff
MO PE-2006002824

DATE PREPARED
2/27/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	244

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION | DATE | REV.

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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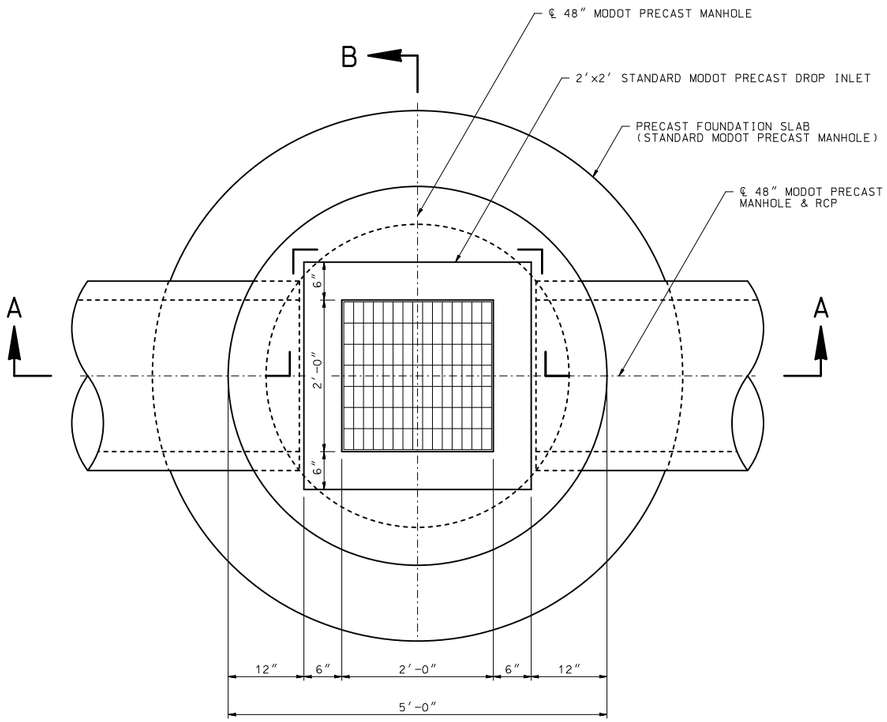
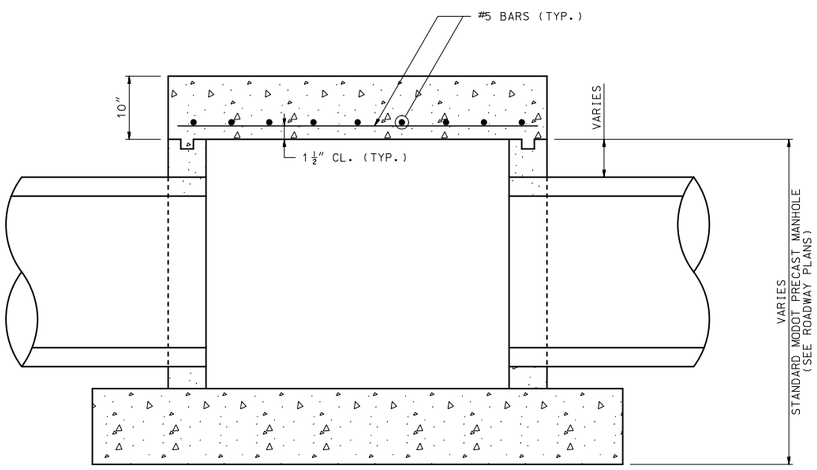
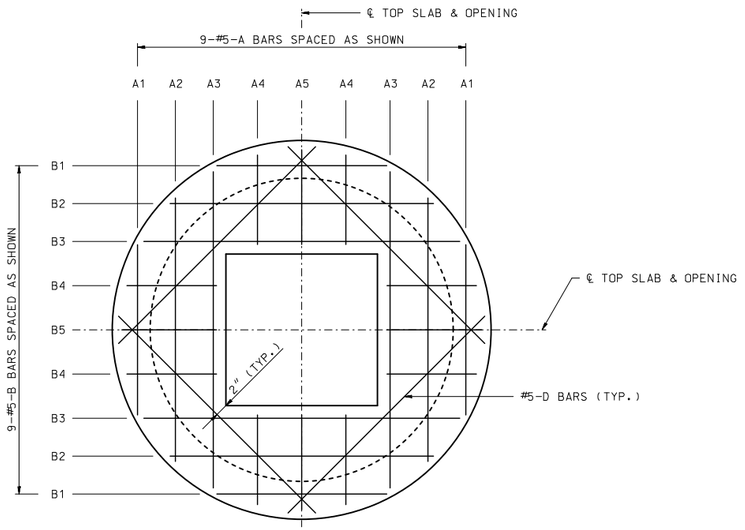
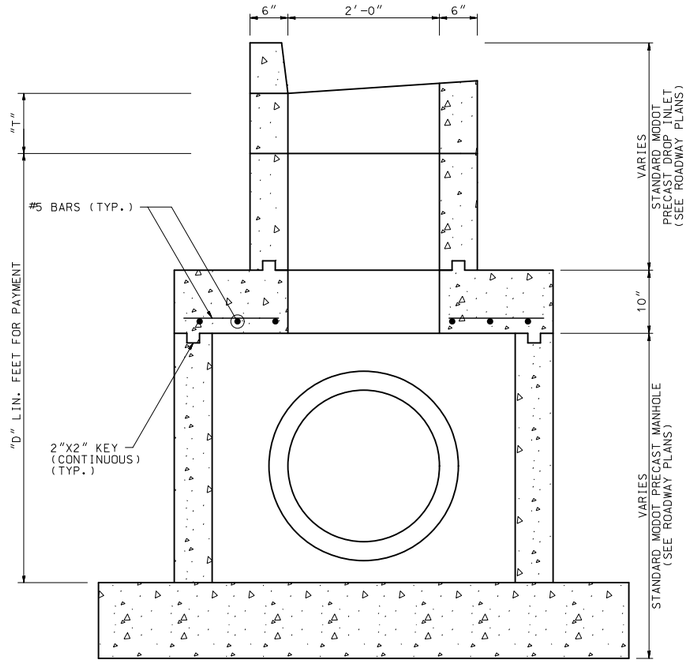




SECTION A-A



TOP SLAB PLAN OF REINFORCEMENT



SECTION B-B

PAVEMENT THICKNESS	"T" DIMENSION
LESS THAN OR EQUAL TO 11"	11"
12"	12"
13"	13"
GREATER THAN OR EQUAL TO 14"	14"

BARBILL FOR TOP SLAB

BAR	NO. OF BARS	LENGTH	WEIGHT (LBS.)
#5 A1	2	2'-3"	5
#5 A2	2	3'-6"	8
#5 A3	2	4'-2"	9
#5 A4	4	1'-2"	5
#5 A5	2	1'-3"	3
#5 B1	2	2'-3"	5
#5 B2	2	3'-6"	8
#5 B3	2	4'-2"	9
#5 B4	4	1'-2"	5
#5 B5	2	1'-3"	3
#5 D	4	3'-7"	15

QUANTITY TOTALS (PER TOP SLAB):

REINFORCING STEEL = 75 LBS.

CLASS B-1 CONCRETE = 0.48 CU. YDS.

NOTES:

ALL WORK INCLUDING STEEL, CONCRETE, REINFORCING BARS AND BACKFILL NECESSARY TO COMPLETE THE CONSTRUCTION SHALL BE CONSIDERED INCIDENTAL TO THE COST OF SPECIAL INLETS NO. 19 AND NO. 20.

ALL CAST-IN-PLACE CONCRETE SHALL MEET THE SPECIFICATIONS OF MODOT CLASS B-1 CONCRETE.

SEE CULVERT SECTIONS FOR PIPE INVERT ELEVATIONS.

FIELD VERIFY ALL SIZES AND LOCATIONS PRIOR TO CONSTRUCTION/INSTALLATION OF DRAINAGE STRUCTURES AND PIPES.

ALL REINFORCING TO BE GRADE 60 EPOXY COATED STEEL AND SHALL BE IN ACCORDANCE WITH SEC 706.

MINIMUM CLEARANCE TO REINFORCING STEEL SHALL BE 1-1/2" UNLESS OTHERWISE SHOWN.

DETAILS OF SPECIAL STRUCTURES (2 FT. X 2 FT. DROP INLET ON 48 IN. MANHOLE BASE)

NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.

SHEET 8 OF 9

SPECIAL SHEET

ROUTE 366
WATSON ROAD

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STATE OF MISSOURI · JENNIFER L. HUBER NUMBER PE-2022000257 · PROFESSIONAL ENGINEER

07/30/2024 9:39:47 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED: 7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	245

COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

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DESCRIPTION	DATE	REV.

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105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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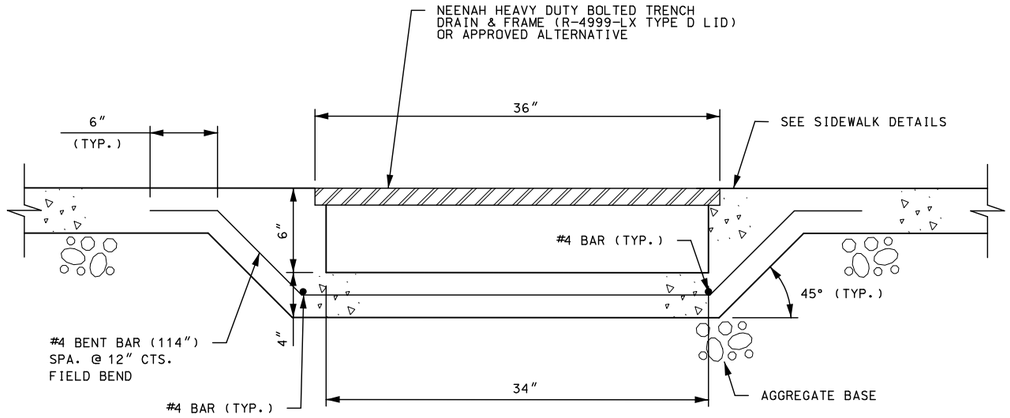
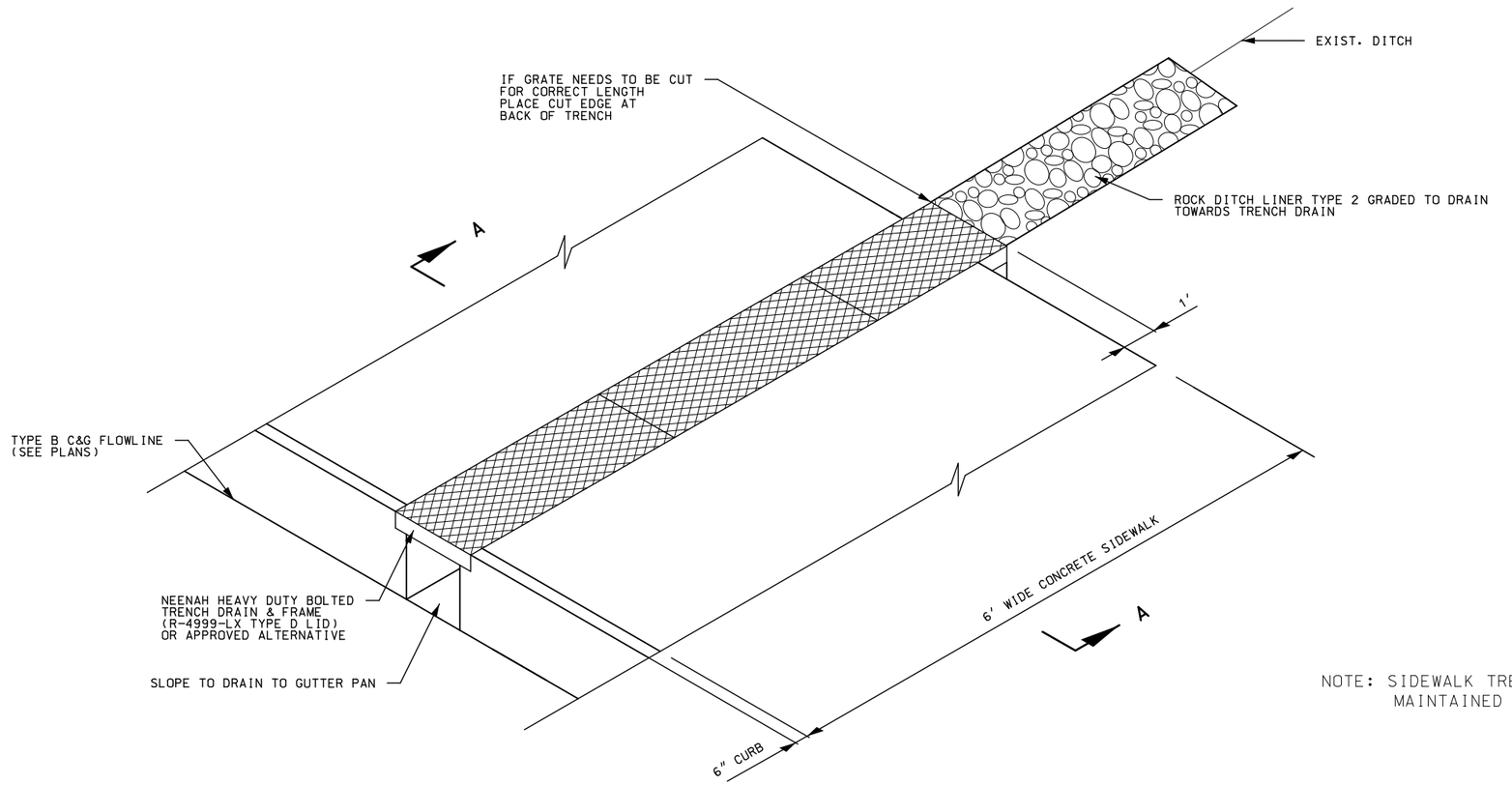


SECTION A-A



NOTE: SIDEWALK TRENCH DRAIN TO BE MAINTAINED BY MODOT.

DETAILS OF SIDEWALK TRENCH DRAIN - STA. 2333+08

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Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	246

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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SHEET 9 OF 9

SPECIAL SHEET

ROUTE 366
WATSON ROAD

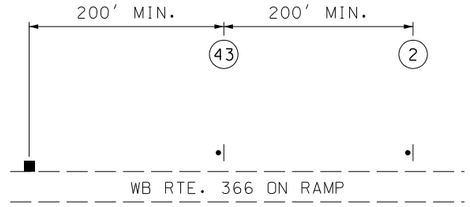
SCALE

0 20 40 60

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER
- BARRICADE
- WORK AREA

DETAIL A - ADVANCED SIGNAGE



✳ NOT TO SCALE



W020-1

2



W05-1

43



R3-1

3

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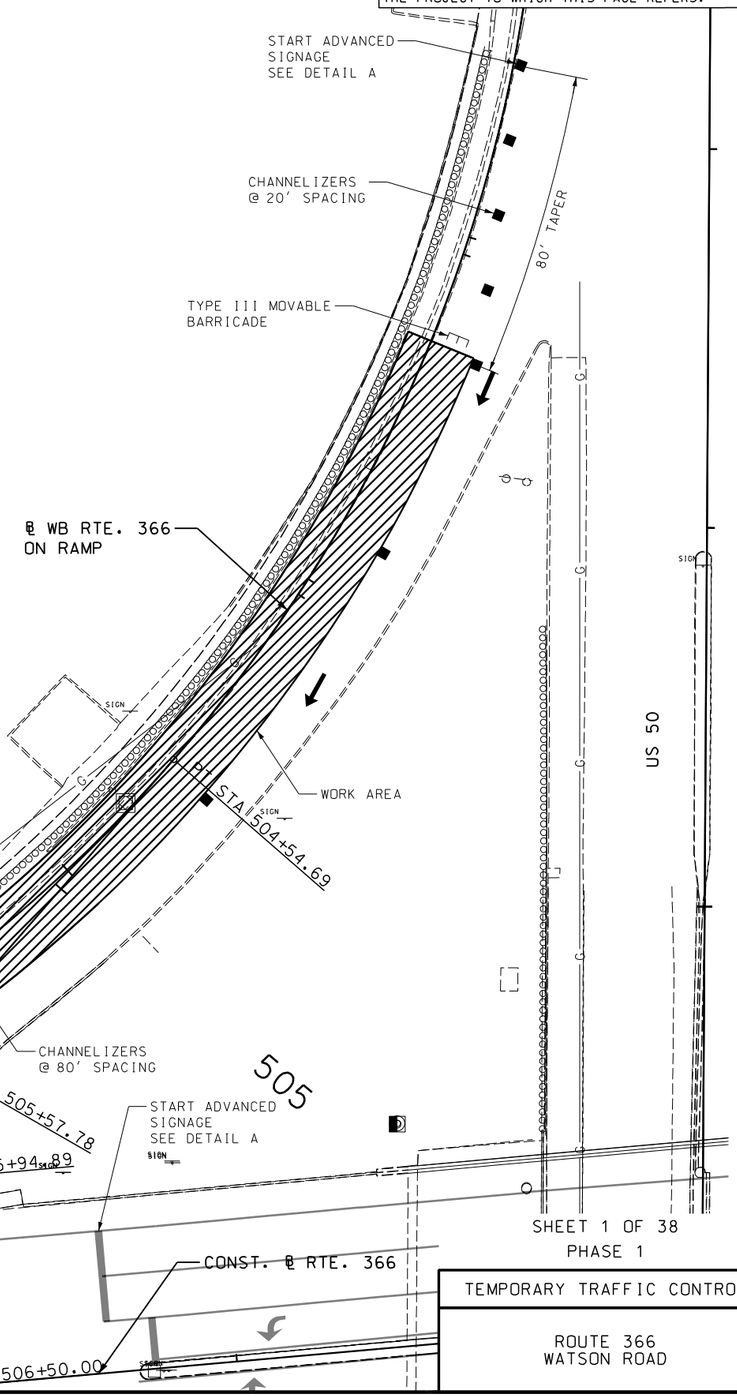

SHEET 1 OF 38
PHASE 1

TEMPORARY TRAFFIC CONTROL

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
JASON LAWRENCE C. JARQUIO NUMBER PE-2021011939
PROFESSIONAL ENGINEER

07/26/2024 3:22:20 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	247

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

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Chesterfield, Missouri 63017
636.240.2444
www.gbateam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

JASON L. JARQUIO
PROFESSIONAL ENGINEER
PE-2021011939

REV.
7/26/2024

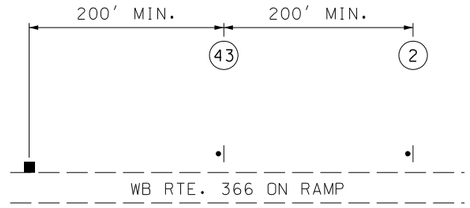
SCALE

0 20 40 60

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER
- BARRICADE
- WORK AREA

DETAIL A - ADVANCED SIGNAGE



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W020-1

2



W05-1

43



R3-2

4

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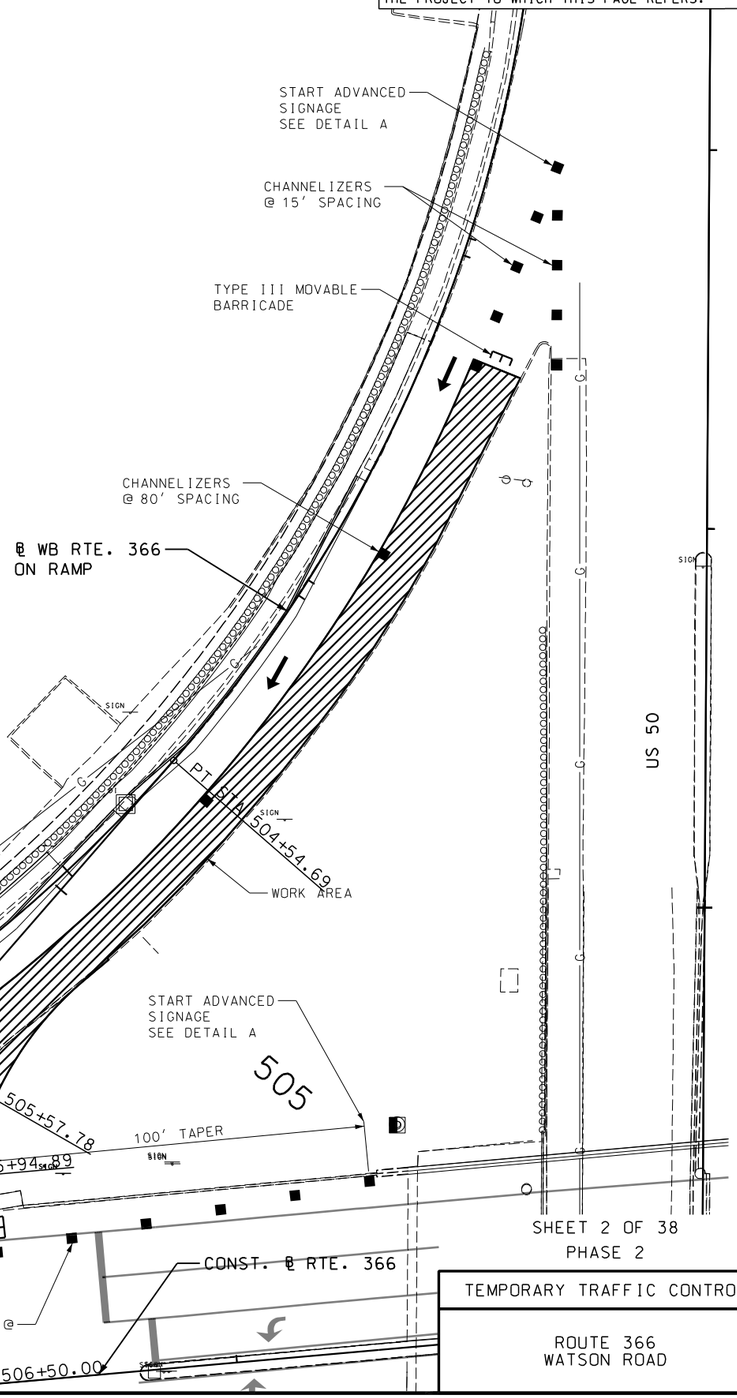

SHEET 2 OF 38
PHASE 2

TEMPORARY TRAFFIC CONTROL

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
JASON LAWRENCE C. JARQUIO
NUMBER PE-2021011939
PROFESSIONAL ENGINEER

07/26/2024 3:22:20 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

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DATE PREPARED	7/26/2024
MO ROUTE	366
STATE	MO
DISTRICT	SL
SHEET NO.	248
COUNTY	ST. LOUIS
JOB NO.	J6S3582
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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JEFFERSON CITY, MO 65102
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PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

JASON L. JARQUIO
PROFESSIONAL ENGINEER
PE-2021011939

REV. 7/26/2024

SCALE

0 40 80 120

TRAFFIC CONTROL LEGEND

- PROPOSED TEMPORARY LANE USAGE
- PROPOSED TEMPORARY LEFT TURN ARROW
- TEMPORARY PAVEMENT MARKINGS
- EXISTING MEDIAN REMOVAL
- CHANNELIZER
- SYT — SOLID YELLOW TAPE
- IWT — INTERMITTENT WHITE TAPE
- SWT — SOLID WHITE TAPE
- TYPE 3 BARRICADE
- FLASHING ARROW PANEL
- CHANGEABLE MESSAGE SIGN

STAGE 1A BRIDGE CONSTRUCTION NOTES:

1. PLACE TEMPORARY TRAFFIC CONTROL DEVICES, PAVEMENT MARKINGS AND SIGNS TO SHIFT TRAFFIC. SPEED LIMIT IS TO BE POSTED AT 30 MPH.

2. REMOVE EXISTING MEDIAN.

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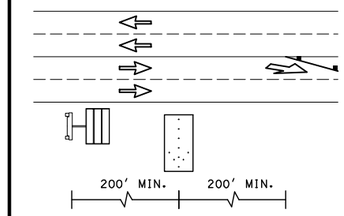
FIGURE 1



STAGE 1A GENERAL NOTES:

1. WORK ZONE SIGNAGE AND TEMPORARY TRAFFIC CONTROL DEVICES NOT SHOWN WILL FOLLOW SECTION 616 OF THE MODOT STANDARD SPECIFICATIONS AND THE TYPICAL APPLICATIONS SHOWN IN PLANS.

2. CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING ALL ADVANCE SIGNS WITHIN EXISTING RIGHT OF WAY.

3. CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION PLAN OF THE TEMPORARY SIGNAL AT THE INTERSECTION OF WATSON RD AND WATSON INDUSTRIAL PARK.

4. CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING ADVANCE WARNING SIGNS AT ALL ENTRANCES AFFECTED BY THE WORK ZONE TO PROPERLY WARN VEHICLES TO YIELD TO ONCOMING TRAFFIC. EXISTING DRIVEWAYS THAT REMAIN OPEN SHALL RETAIN EXISTING RIGHT IN RIGHT OUT ACCESS AS IT CURRENTLY EXISTS.

5. EXISTING SIGNS WITHIN THE TEMPORARY TRAFFIC CONTROL ZONE THAT CONFLICT WITH TEMPORARY SIGNAGE SHALL BE COVERED.

6. CHANGEABLE MESSAGE SIGN WILL DISPLAY THESE MESSAGES IN ADVANCE OF THE WATSON RD BRIDGE CONSTRUCTION.
   "LEFT LN CLOSED AHEAD"
   "TRAFFIC MERGE RIGHT"

7. SEE BRIDGE STAGING PLANS AND JOB SPECIAL PROVISIONS FOR FURTHER DETAILS.

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	249

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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REV.

SHEET 3 OF 38
BRIDGE A9260
TRAFFIC CONTROL, STAGE 1A

TRAFFIC CONTROL SHEET

MO ROUTE 366
WATSON ROAD

SCALE

0 40 80 120

TRAFFIC CONTROL LEGEND

	PROPOSED TEMPORARY LANE USAGE
	PROPOSED TEMPORARY LEFT TURN ARROW
	TEMPORARY PAVEMENT MARKINGS
	EXISTING MEDIAN REMOVAL
	CHANNELIZER
SYT	SOLID YELLOW TAPE
IWT	INTERMITTENT WHITE TAPE
SWT	SOLID WHITE TAPE
	TYPE 3 BARRICADE
	FLASHING ARROW PANEL
	CHANGEABLE MESSAGE SIGN

STAGE 1A BRIDGE CONSTRUCTION NOTES:

1. PLACE TEMPORARY TRAFFIC CONTROL DEVICES, PAVEMENT MARKINGS AND SIGNS TO SHIFT TRAFFIC. SPEED LIMIT IS TO BE POSTED AT 30 MPH.

2. REMOVE EXISTING MEDIAN.

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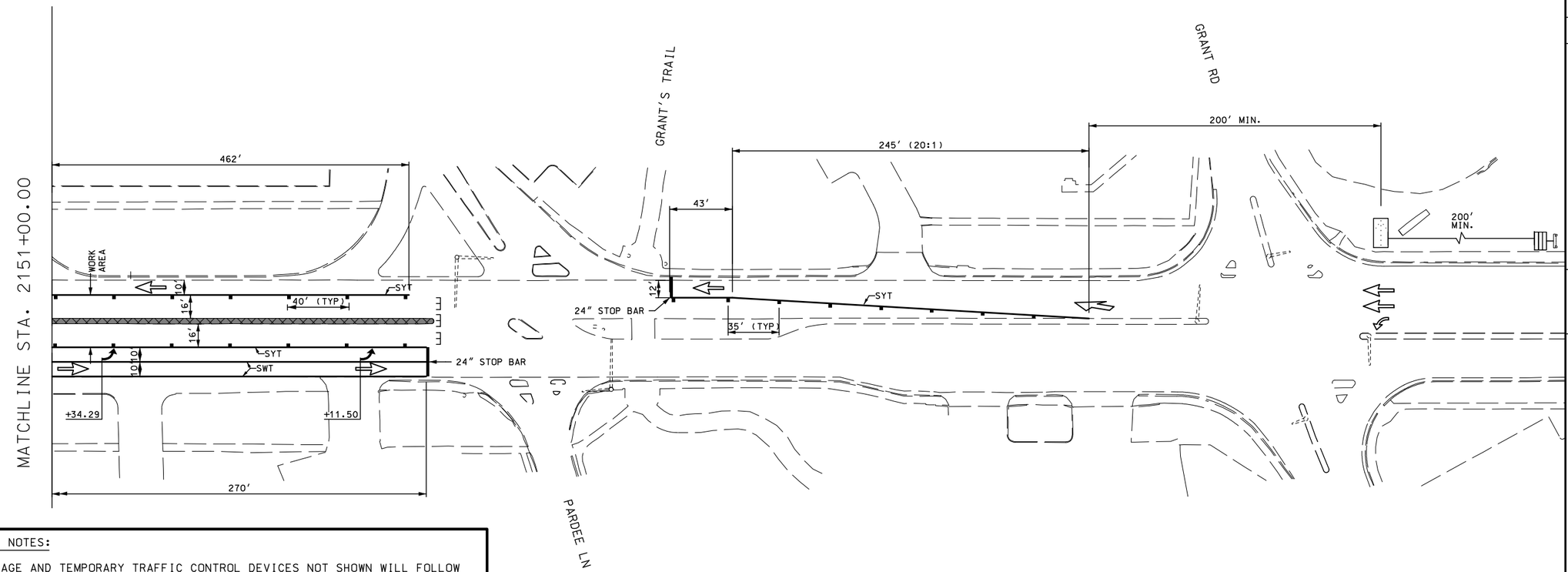

STAGE 1A GENERAL NOTES:

1. WORK ZONE SIGNAGE AND TEMPORARY TRAFFIC CONTROL DEVICES NOT SHOWN WILL FOLLOW SECTION 616 OF THE MODOT STANDARD SPECIFICATIONS AND THE TYPICAL APPLICATIONS SHOWN IN PLANS.

2. CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING ALL ADVANCE SIGNS WITHIN EXISTING RIGHT OF WAY.

3. CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION PLAN OF THE TEMPORARY SIGNAL AT THE INTERSECTION OF WATSON RD AND WATSON INDUSTRIAL PARK.

4. CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING ADVANCE WARNING SIGNS AT ALL ENTRANCES AFFECTED BY THE WORK ZONE TO PROPERLY WARN VEHICLES TO YIELD TO ONCOMING TRAFFIC. EXISTING DRIVEWAYS THAT REMAIN OPEN SHALL RETAIN EXISTING RIGHT IN RIGHT OUT ACCESS AS IT CURRENTLY EXISTS.

5. EXISTING SIGNS WITHIN THE TEMPORARY TRAFFIC CONTROL ZONE THAT CONFLICT WITH TEMPORARY SIGNAGE SHALL BE COVERED.

6. CHANGEABLE MESSAGE SIGN WILL DISPLAY THESE MESSAGES IN ADVANCE OF THE WATSON RD BRIDGE CONSTRUCTION.
   "LEFT LN CLOSED AHEAD"
   "TRAFFIC MERGE RIGHT"

7. SEE BRIDGE STAGING PLANS AND JOB SPECIAL PROVISIONS FOR FURTHER DETAILS.

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	250

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
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REV.

SHEET 4 OF 38
BRIDGE A9260
TRAFFIC CONTROL, STAGE 1A

TRAFFIC CONTROL SHEET

MO ROUTE 366
WATSON ROAD

SCALE

0 40 80 120

TRAFFIC CONTROL LEGEND

- PROPOSED TEMPORARY LANE USAGE
- PROPOSED TEMPORARY LEFT TURN ARROW
- TEMPORARY PAVEMENT MARKINGS
- EXISTING MEDIAN REMOVAL
- CHANNELIZER
- SYT SOLID YELLOW TAPE
- DSYT DOUBLE SOLID YELLOW TAPE
- IWT INTERMITTENT WHITE TAPE
- SWT SOLID WHITE TAPE
- TYPE 3 BARRICADE
- FLASHING ARROW PANEL
- CHANGEABLE MESSAGE SIGN

STAGE 1B BRIDGE CONSTRUCTION NOTES:

1. PLACE TEMPORARY TRAFFIC CONTROL DEVICES, PAVEMENT MARKINGS, AND SIGNS TO SHIFT TRAFFIC. SPEED LIMIT IS TO BE POSTED AT 30 MPH.
2. REMOVE EXISTING NORTH PORTION OF BRIDGE.
3. CONSTRUCT NORTH PORTION OF NEW BRIDGE.

DISCLAIMER

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	251

COUNTY
ST. LOUIS

JOB NO.
J6S3582

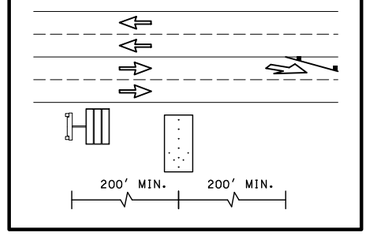
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

FIGURE 1



STAGE 1B GENERAL NOTES:

1. WORK ZONE SIGNAGE AND TEMPORARY TRAFFIC CONTROL DEVICES NOT SHOWN WILL FOLLOW SECTION 616 OF THE MODOT STANDARD SPECIFICATIONS AND THE TYPICAL APPLICATIONS SHOWN IN PLANS.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING ALL ADVANCE SIGNS WITHIN EXISTING RIGHT OF WAY.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION PLAN OF THE TEMPORARY SIGNAL AT THE INTERSECTION OF WATSON RD AND WATSON INDUSTRIAL PARK.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING ADVANCE WARNING SIGNS AT ALL ENTRANCES AFFECTED BY THE WORK ZONE TO PROPERLY WARN VEHICLES TO YIELD TO ONCOMING TRAFFIC. EXISTING DRIVEWAYS THAT REMAIN OPEN SHALL RETAIN EXISTING RIGHT IN RIGHT OUT ACCESS AS IT CURRENTLY EXISTS.
5. EXISTING SIGNS WITHIN THE TEMPORARY TRAFFIC CONTROL ZONE THAT CONFLICT WITH TEMPORARY SIGNAGE SHALL BE COVERED.
6. CHANGEABLE MESSAGE SIGN WILL DISPLAY THESE MESSAGES IN ADVANCE OF THE WATSON RD BRIDGE CONSTRUCTION.
   "LEFT LN CLOSED AHEAD"
   "TRAFFIC MERGE RIGHT"
7. SEE BRIDGE STAGING PLANS AND JOB SPECIAL PROVISIONS FOR FURTHER DETAILS.

SHEET 5 OF 38
BRIDGE A9260
TRAFFIC CONTROL, STAGE 1B

TRAFFIC CONTROL SHEET

MO ROUTE 366
WATSON ROAD

DESCRIPTION | DATE | REV.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
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ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

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SCALE

0 40 80 120

TRAFFIC CONTROL LEGEND

- PROPOSED TEMPORARY LANE USAGE
- PROPOSED TEMPORARY LEFT TURN ARROW
- PROPOSED TEMPORARY RIGHT TURN ARROW
- TEMPORARY PAVEMENT MARKINGS
- EXISTING MEDIAN REMOVAL
- CHANNELIZER
- SYT — SOLID YELLOW TAPE
- DSYT — DOUBLE SOLID YELLOW TAPE
- IWT — INTERMITTENT WHITE TAPE
- SWT — SOLID WHITE TAPE
- TYPE 3 BARRICADE
- FLASHING ARROW PANEL
- CHANGEABLE MESSAGE SIGN

STAGE 1B BRIDGE CONSTRUCTION NOTES:

1. PLACE TEMPORARY TRAFFIC CONTROL DEVICES, PAVEMENT MARKINGS, AND SIGNS TO SHIFT TRAFFIC. SPEED LIMIT IS TO BE POSTED AT 30 MPH.

2. REMOVE EXISTING NORTH PORTION OF BRIDGE.

3. CONSTRUCT NORTH PORTION OF NEW BRIDGE.

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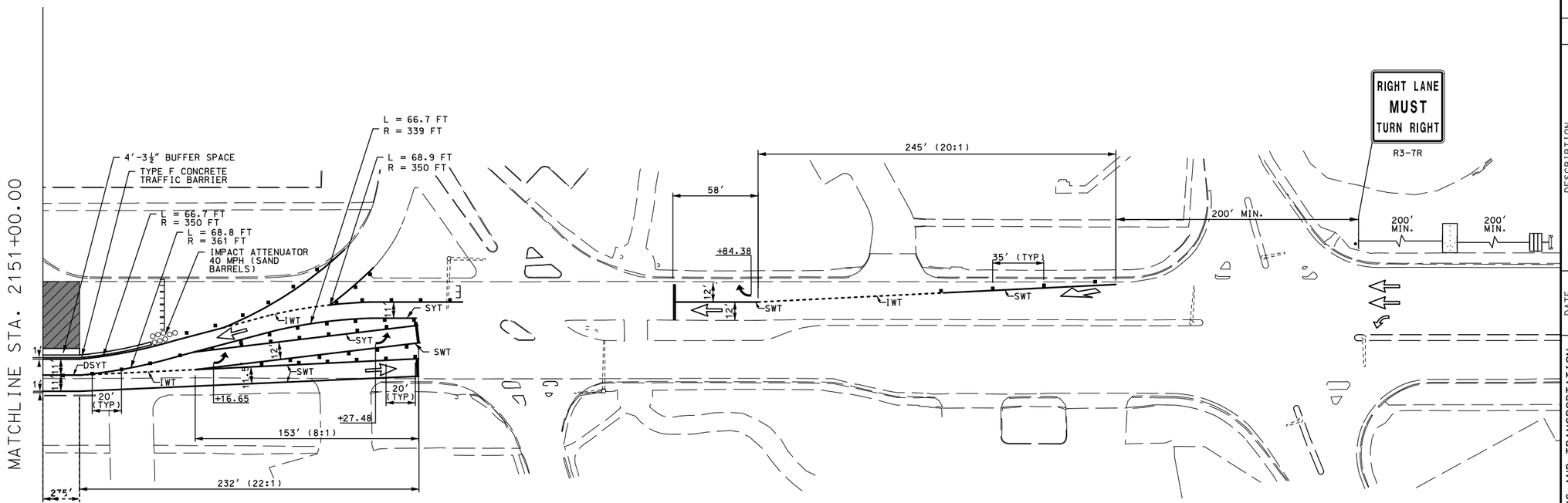

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   "TRAFFIC MERGE LEFT"

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Cassandra McKee Lee - Civil
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DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	252

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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JEFFERSON CITY, MO 65102
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SHEET 6 OF 38
BRIDGE A9260
TRAFFIC CONTROL, STAGE 1B

TRAFFIC CONTROL SHEET

MO ROUTE 366
WATSON ROAD

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ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

SCALE

0 40 80 120

TRAFFIC CONTROL LEGEND

- PROPOSED TEMPORARY LANE USAGE
- PROPOSED TEMPORARY LEFT TURN ARROW
- TEMPORARY PAVEMENT MARKINGS
- CONSTRUCTED PAVEMENT
- STAGE 2 BRIDGE REMOVAL
- CHANNELIZER
- SYT SOLID YELLOW TAPE
- DSYT DOUBLE SOLID YELLOW TAPE
- IWT INTERMITTENT WHITE TAPE
- SWT SOLID WHITE TAPE
- TYPE 3 BARRICADE
- FLASHING ARROW PANEL
- CHANGEABLE MESSAGE SIGN

STAGE 2 BRIDGE CONSTRUCTION NOTES:

1. PLACE TEMPORARY TRAFFIC CONTROL DEVICES, PAVEMENT MARKINGS, AND SIGNS TO SHIFT TRAFFIC. SPEED LIMIT IS TO BE POSTED AT 25 MPH.

2. REMOVE EXISTING SOUTH PORTION OF BRIDGE.

3. CONSTRUCT SOUTH PORTION OF NEW BRIDGE.

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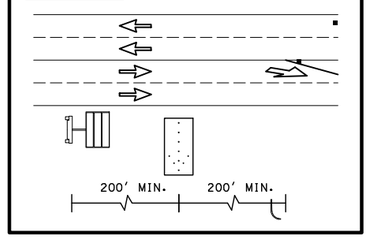
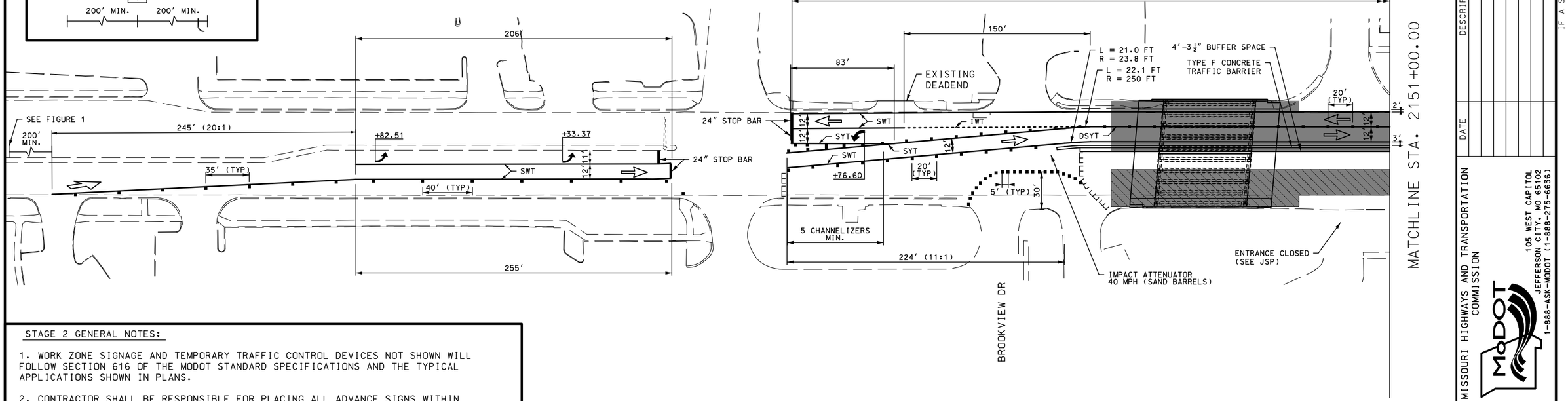
FIGURE 1





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   "RIGHT LN CLOSED AHEAD"
   "TRAFFIC MERGE LEFT"

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CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	253

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE	REV.

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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JEFFERSON CITY, MO 65102
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SHEET 7 OF 38
BRIDGE A9260
TRAFFIC CONTROL, STAGE 2

TRAFFIC CONTROL SHEET

MO ROUTE 366
WATSON ROAD

SCALE

0 40 80 120

TRAFFIC CONTROL LEGEND

- PROPOSED TEMPORARY LANE USAGE
- PROPOSED TEMPORARY LEFT TURN ARROW
- TEMPORARY PAVEMENT MARKINGS
- CONSTRUCTED PAVEMENT
- STAGE 2 BRIDGE REMOVAL
- CHANNELIZER
- SYT SOLID YELLOW TAPE
- DSYT DOUBLE SOLID YELLOW TAPE
- IWT INTERMITTENT WHITE TAPE
- SWT SOLID WHITE TAPE
- TYPE 3 BARRICADE
- FLASHING ARROW PANEL
- CHANGEABLE MESSAGE SIGN

STAGE 2 BRIDGE CONSTRUCTION NOTES:

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2. REMOVE EXISTING SOUTH PORTION OF BRIDGE.

3. CONSTRUCT SOUTH PORTION OF NEW BRIDGE.

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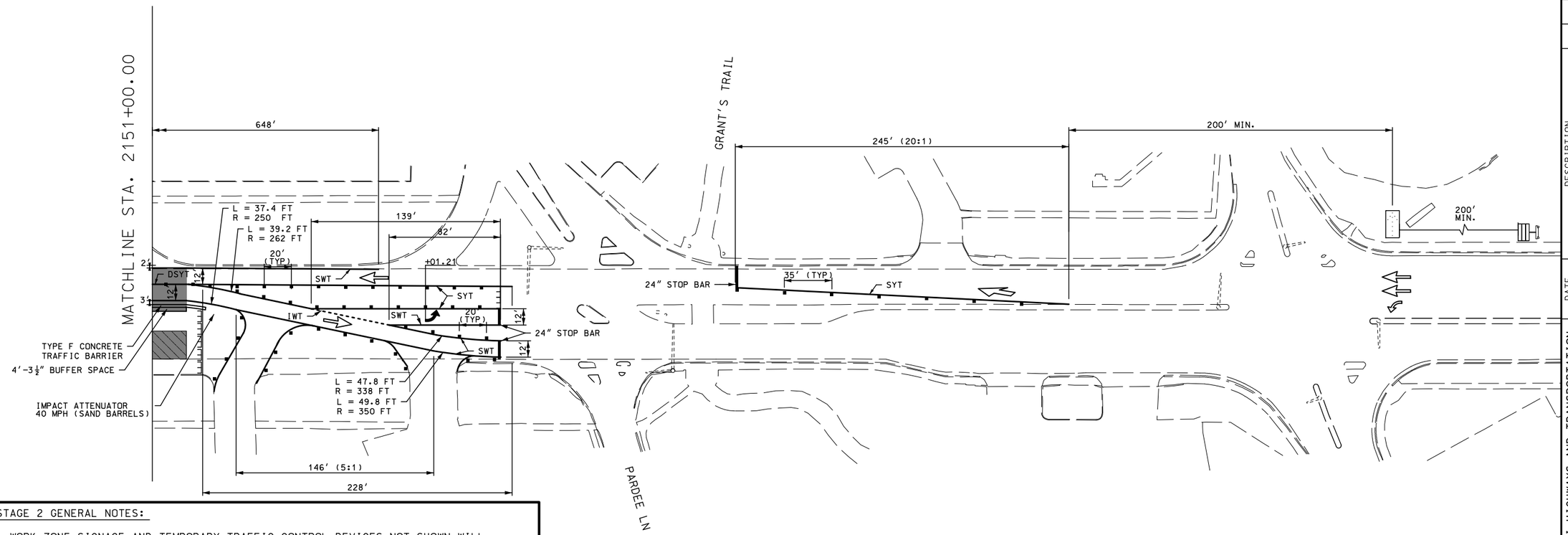

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	254

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SHEET 8 OF 38
BRIDGE A9260
TRAFFIC CONTROL, STAGE 2

TRAFFIC CONTROL SHEET

MO ROUTE 366
WATSON ROAD

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REV.

SCALE

0 40 80 120

TRAFFIC CONTROL LEGEND

- PROPOSED TEMPORARY LANE USAGE
- PROPOSED TEMPORARY LEFT TURN ARROW
- TEMPORARY PAVEMENT MARKINGS
- CONSTRUCTED BRIDGE
- NEW MEDIAN
- CHANNELIZER
- SYT — SOLID YELLOW TAPE
- IWT — INTERMITTENT WHITE TAPE
- SWT — SOLID WHITE TAPE
- TYPE 3 BARRICADE
- FLASHING ARROW PANEL
- CHANGEABLE MESSAGE SIGN

STAGE 3 BRIDGE CONSTRUCTION NOTES:

1. PLACE TEMPORARY TRAFFIC CONTROL DEVICES, PAVEMENT MARKINGS, AND SIGNS TO SHIFT TRAFFIC. SPEED LIMIT IS TO BE POSTED AT 30 MPH.

2. CONSTRUCT NEW MEDIAN

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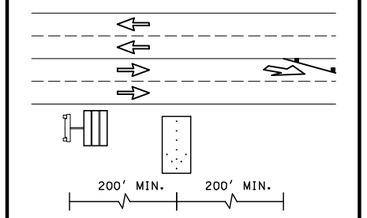

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
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07/29/2024
Cassandra McKee Lee - Civil
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DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	255

COUNTY
ST. LOUIS

JOB NO.
J6S3582

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IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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SHEET 9 OF 38
BRIDGE A9260
TRAFFIC CONTROL, STAGE 3

TRAFFIC CONTROL SHEET

MO ROUTE 366
WATSON ROAD

SCALE

0 40 80 120

TRAFFIC CONTROL LEGEND

- PROPOSED TEMPORARY LANE USAGE
- PROPOSED TEMPORARY LEFT TURN ARROW
- TEMPORARY PAVEMENT MARKINGS
- EXISTING MEDIAN REMOVAL
- CHANNELIZER
- SYT — SOLID YELLOW TAPE
- IWT — INTERMITTENT WHITE TAPE
- SWT — SOLID WHITE TAPE
- TYPE 3 BARRICADE
- FLASHING ARROW PANEL
- CHANGEABLE MESSAGE SIGN

STAGE 3 BRIDGE CONSTRUCTION NOTES:

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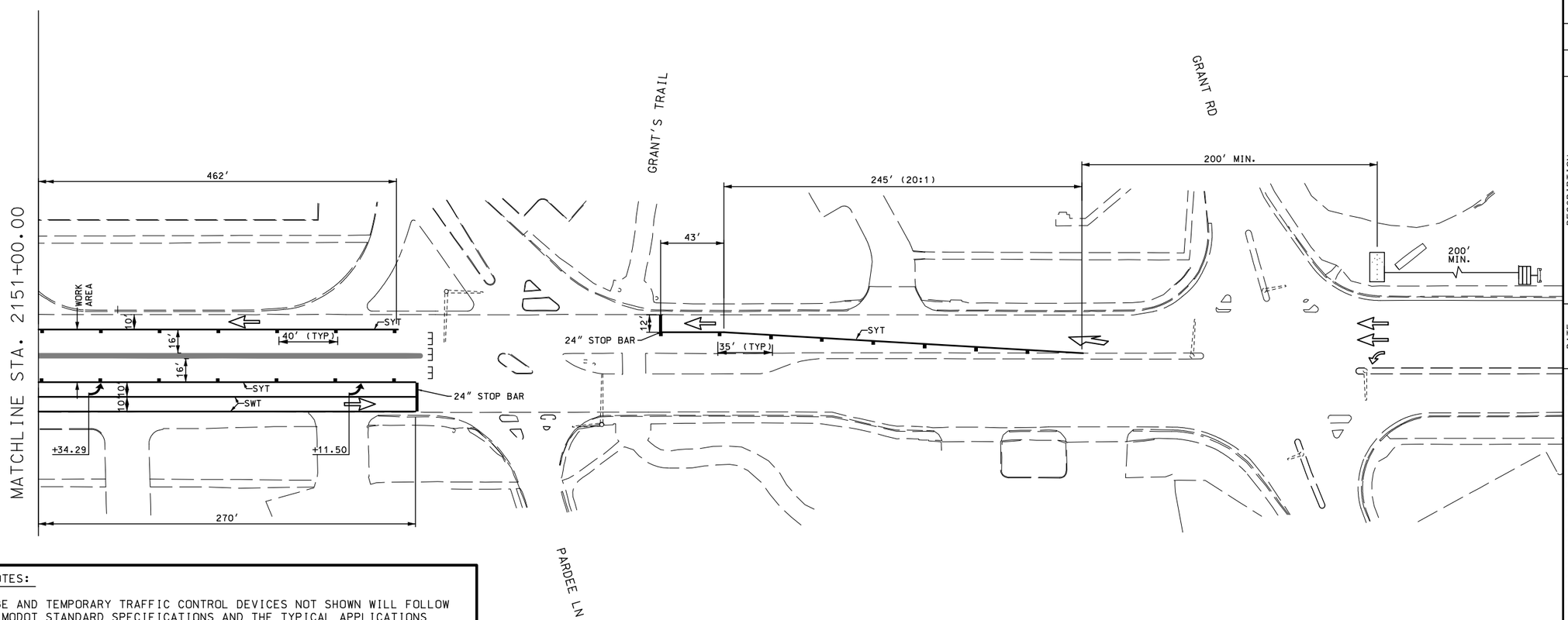

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07/29/2024
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DATE PREPARED
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MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	256

COUNTY
ST. LOUIS

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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SHEET 10 OF 38
BRIDGE A9260
TRAFFIC CONTROL, STAGE 3

TRAFFIC CONTROL SHEET

MO ROUTE 366
WATSON ROAD

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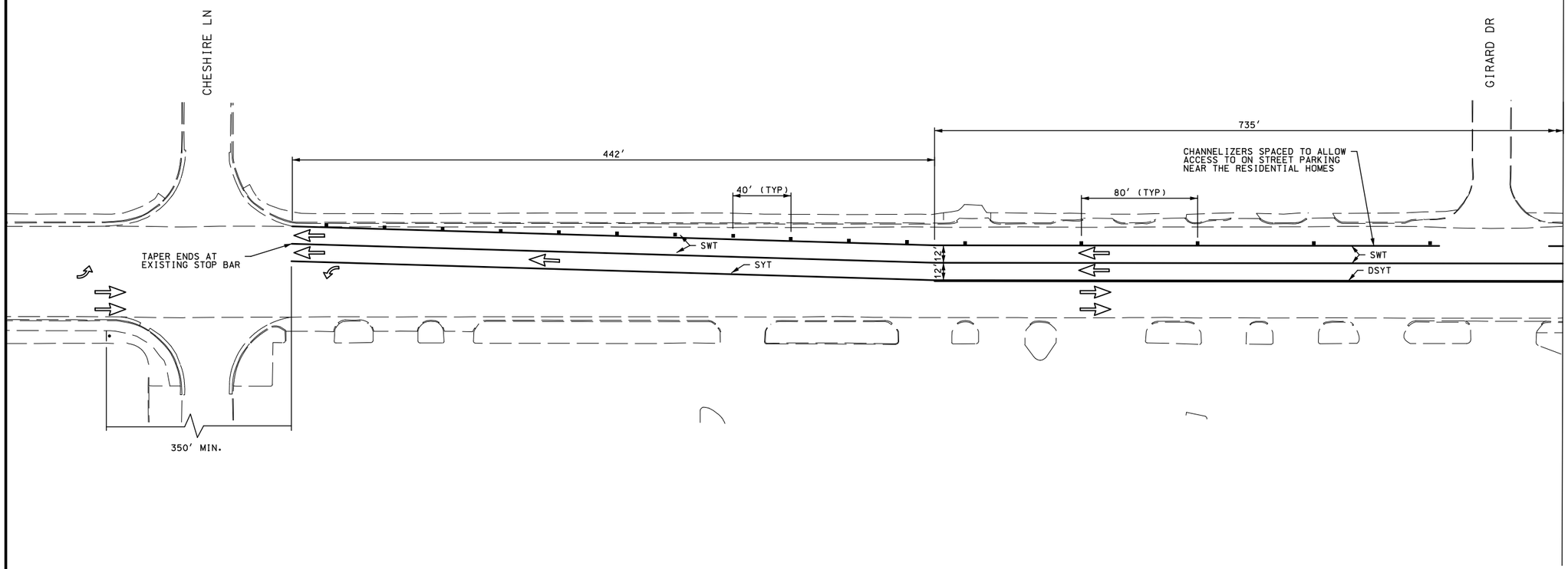
REV.

SCALE

0 40 80 120

TRAFFIC CONTROL LEGEND

⇨	PROPOSED TEMPORARY LANE USEAGE
———	TEMPORARY PAVEMENT MARKINGS
■	CHANNELIZER
SYT	SOLID YELLOW TAPE
DSYT	DOUBLE SOLID YELLOW TAPE
SWT	SOLID WHITE TAPE



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SHEET 11 OF 38
CHESHIRE LN TO EDGAR RD
TRAFFIC CONTROL

TRAFFIC CONTROL SHEET

MO ROUTE 366
WATSON ROAD

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Cassandra McKee Lee - Civil
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DATE PREPARED
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366	MO
DISTRICT	SHEET NO.
SL	257

COUNTY
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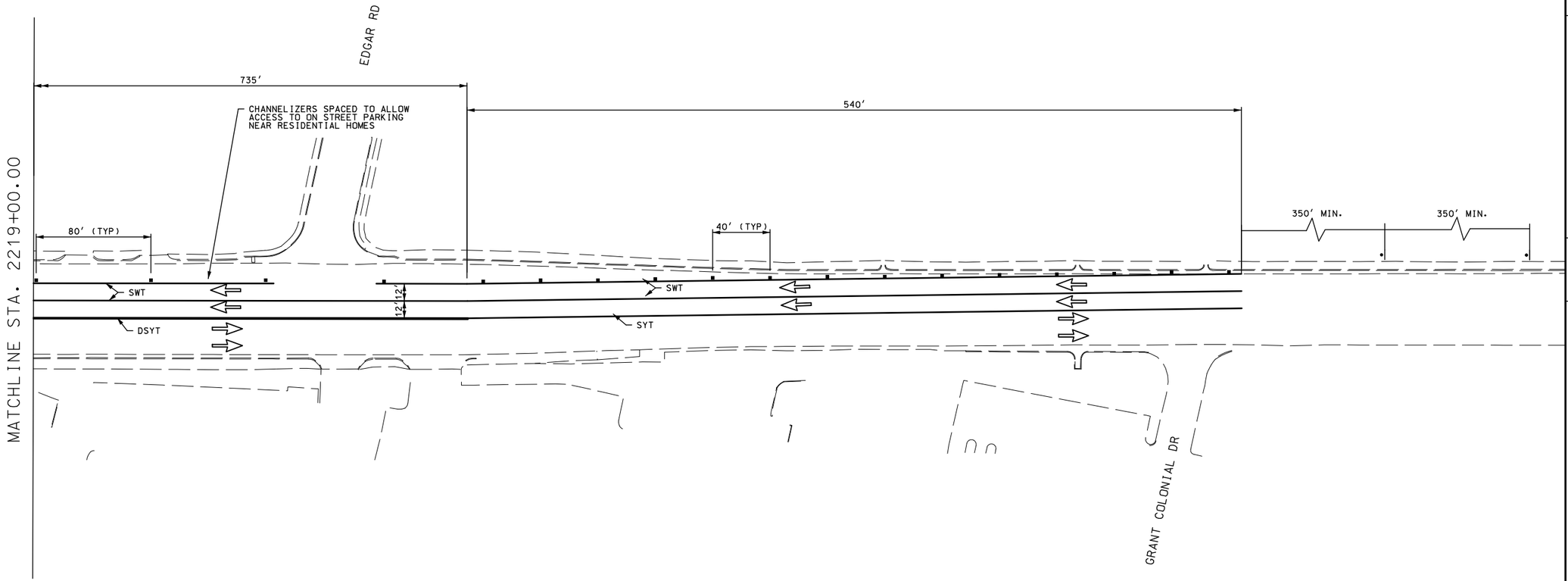
SCALE

0 40 80 120

TRAFFIC CONTROL LEGEND

⇨	PROPOSED TEMPORARY LANE USEAGE
———	TEMPORARY PAVEMENT MARKINGS
■	CHANNELIZER
SYT	SOLID YELLOW TAPE
DSYT	DOUBLE SOLID YELLOW TAPE
SWT	SOLID WHITE TAPE



GENERAL NOTES:

1. WORK ZONE SIGNAGE AND TEMPORARY TRAFFIC CONTROL DEVICES NOT SHOWN WILL FOLLOW SECTION 616 OF THE MODOT STANDARD SPECIFICATIONS AND THE TYPICAL APPLICATIONS SHOWN IN PLANS.

2. CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING ALL ADVANCE SIGNS WITHIN EXISTING RIGHT OF WAY.

3. CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING ADVANCE WARNING SIGNS AT ALL ENTRANCES AFFECTED BY THE WORK ZONE TO PROPERLY WARN VEHICLES TO YIELD TO ONCOMING TRAFFIC.

4. EXISTING SIGNS WITHIN THE TEMPORARY TRAFFIC CONTROL ZONE THAT CONFLICT WITH TEMPORARY SIGNAGE SHALL BE COVERED.

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	258

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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SHEET 12 OF 38
CHESHIRE LN TO EDGAR RD
TRAFFIC CONTROL

TRAFFIC CONTROL SHEET

MO ROUTE 366
WATSON ROAD

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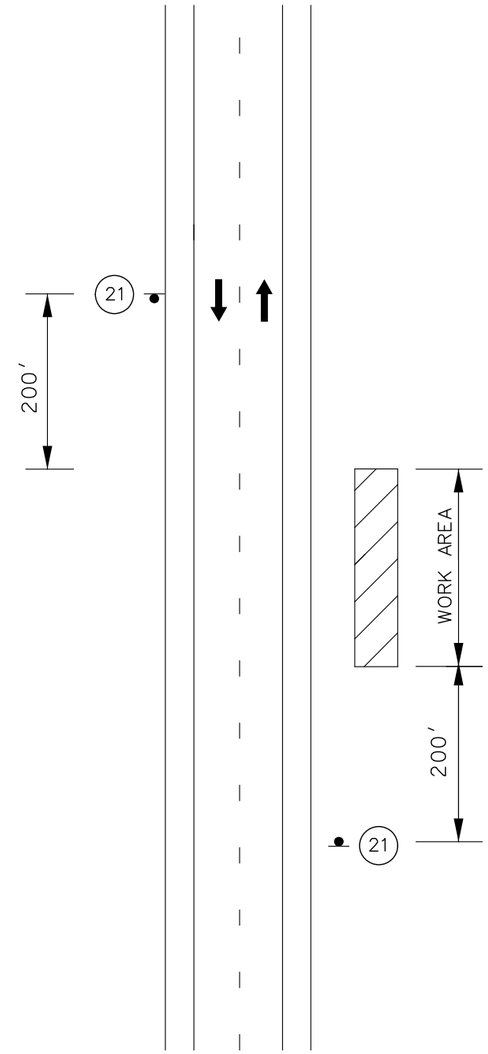



W021-5b
(21)

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	200	200	-	-	-	-	-
40-45	350	500	-	-	-	-	-
50-55	500	1000	-	-	-	-	-
60-70	1000	SA-1000 SB-1500 SC-2640	-	-	-	-	-

NOTES:

ONLY APPLICABLE WHEN WORK IS WITHIN THE CLEAR ZONE.

ON MULTI-LANE, DIVIDED HIGHWAYS,SIGNS ADVISING OF THE SHOULDER WORK OR THE CONDITION OF THE SHOULDER SHOULD BE PLACED ONLY ON THE SIDE OF THE AFFECTED SHOULDER.

VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH-INTENSITY ROTATING, FLASHING,OSCILLATING, OR STROBE LIGHTS.

TRAFFIC CONTROL LEGEND

SIGN (SINGLE SIDED)

WORK AREA

SHOULDER WORK
WORK BEYOND THE SHOULDER
DIVIDED AND UNDIVIDED

NOT TO SCALE

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07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	259

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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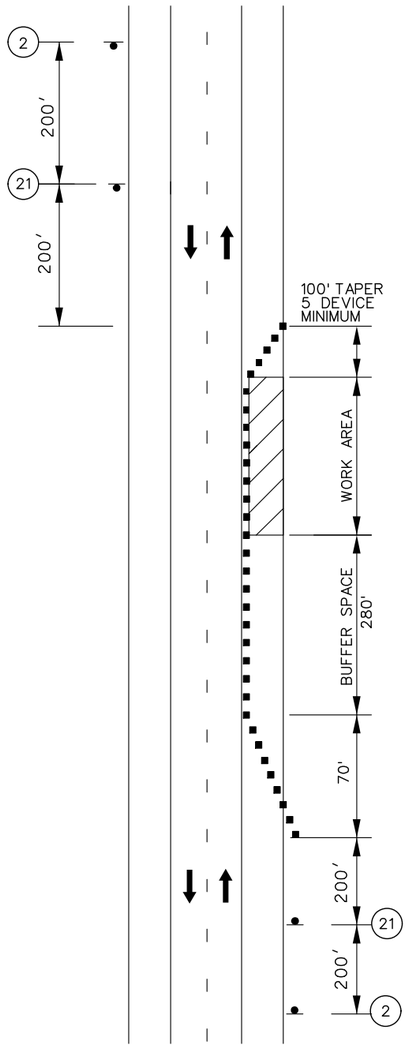
SHEET 13 OF 38
WORK BEYOND THE SHOULDER

TRAFFIC CONTROL SHEET

MO ROUTE 366
WATSON ROAD



WORK ON THE SHOULDER
ON DIVIDED AND UNDIVIDED
HIGHWAYS

NOT TO SCALE

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	200	200	70	245	280	35	40
40-45	350	500	150	540	400	40	80
50-55	500	1000	185	660	560	50	80
60-70	1000	SA-1000 SB-1500 SC-2640	235	840	840	60	120

1 Shoulder taper length based on 10 ft. (standard shoulder width) offset.
2. Lane taper length based on 12 ft. (standard lane width) offset.



TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIM-LINE)
- WORK AREA

NOTES:

PROVIDE SIGNS ON LEFT AND RIGHT SIDES OF DIVIDED HIGHWAYS.

ROAD WORK AHEAD SIGN NOT NEEDED IF SHOULDER WORK IS LOCATED WITHIN THE LIMITS OF AN ACTIVITY AREA WHERE ANOTHER ROAD WORK AHEAD SIGN IS ALREADY USED.

VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S ROTATING LIGHTS OR STROBE LIGHTS.

WHEN PAVED SHOULDERS HAVING A WIDTH OF 8 FEET OR MORE ARE CLOSED, AT LEAST ONE ADVANCE WARNING SIGN SHALL BE USED. IN ADDITION, CHANNELIZING DEVICES SHALL BE USED TO CLOSE THE SHOULDER IN ADVANCE TO DELINEATE THE BEGINNING OF THE WORK SPACE AND DIRECT VEHICULAR TRAFFIC TO REMAIN WITHIN THE TRAVELED WAY.

THE ADVANCED WARNING RAIL SYSTEM IS INSTALLED ON THE ACTIVE FIRST OCCURANCE OF THE ROAD WORK AHEAD (W020-1) AND ROAD CLOSED AHEAD (W020-3) SIGNS ON THE MAINLINE ROADWAY.

SHEET 14 OF 38
WORK ON THE SHOULDER

TRAFFIC CONTROL SHEET

MO ROUTE 366
WATSON ROAD

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07/29/2024
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BRIDGE NO.

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105 WEST CAPITOL
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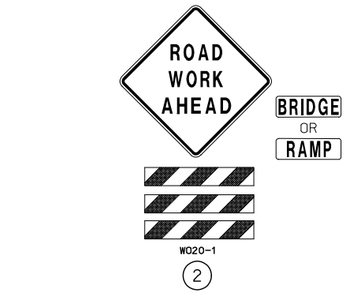

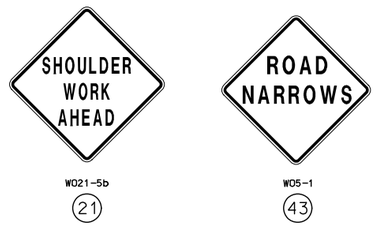

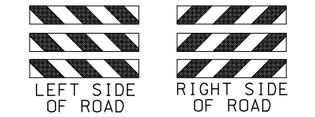

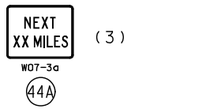

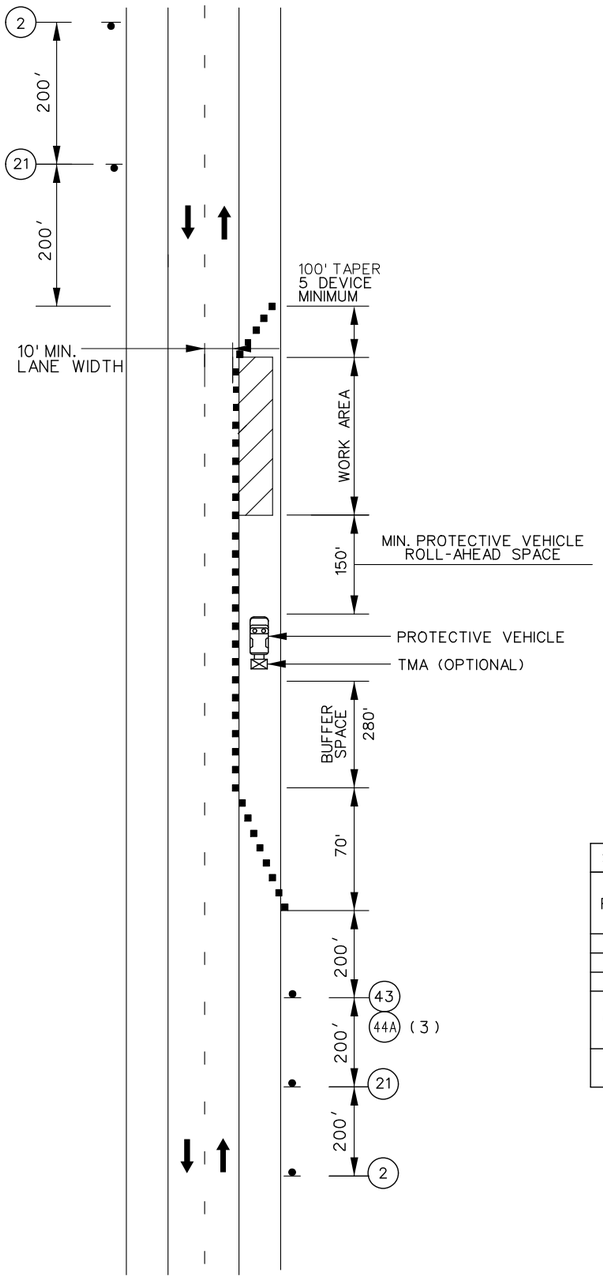

SHOULDER WORK WITH
MINOR TRAVELWAY ENCROACHMENT
DIVIDED AND UNDIVIDED

NOT TO SCALE

NOTES:

PROVIDE SIGNS ON LEFT AND RIGHT SIDES OF DIVIDED HIGHWAYS.

ROAD WORK AHEAD SIGN NOT NEEDED IF SHOULDER WORK IS LOCATED WITHIN THE LIMITS OF AN ACTIVITY AREA WHERE ANOTHER ROAD WORK AHEAD SIGN IS ALREADY IN USE.

(3) NEXT XX MILES SIGN NOT REQUIRED FOR NARROW LANE SECTIONS LESS THAN ONE MILE.

THE PROTECTIVE VEHICLE MAY BE OMITTED IF A TAPER AND CHANNELIZING DEVICES ARE USED.

VEHICLE-MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSCURED BY EQUIPMENT OR SUPPLIES. SIGN LEGENDS ON VEHICLE-MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN ROAD WORK IS NOT IN PROGRESS.

VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S ROTATING LIGHTS OR STROBE LIGHTS.

SHADOW AND WORK VEHICLES SHALL DISPLAY HIGH-DENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

THE ADVANCED WARNING RAIL SYSTEM IS INSTALLED ON THE ACTIVE FIRST OCCURANCE OF THE ROAD WORK AHEAD (W020-1) AND ROAD CLOSED AHEAD (W020-3) SIGNS ON THE MAINLINE ROADWAY.

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	200	200	70	245	280	35	40
40-45	350	500	150	540	400	40	80
50-55	500	1000	185	660	560	50	80
60-70	1000	SA-1000 SB-1500 SC-2640	235	840	840	60	120

1 Shoulder taper length based on 10 ft. (standard shoulder width) offset.
2. Lane taper length based on 12 ft. (standard lane width) offset.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIM-LINE)
- WORK AREA
- TMA (TRUCK MOUNTED ATTENUATOR)

SHEET 15 OF 38
SHOULDER WORK WITH
MINOR ENCROACHMENT

TRAFFIC CONTROL SHEET

MO ROUTE 366
WATSON ROAD

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CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	261

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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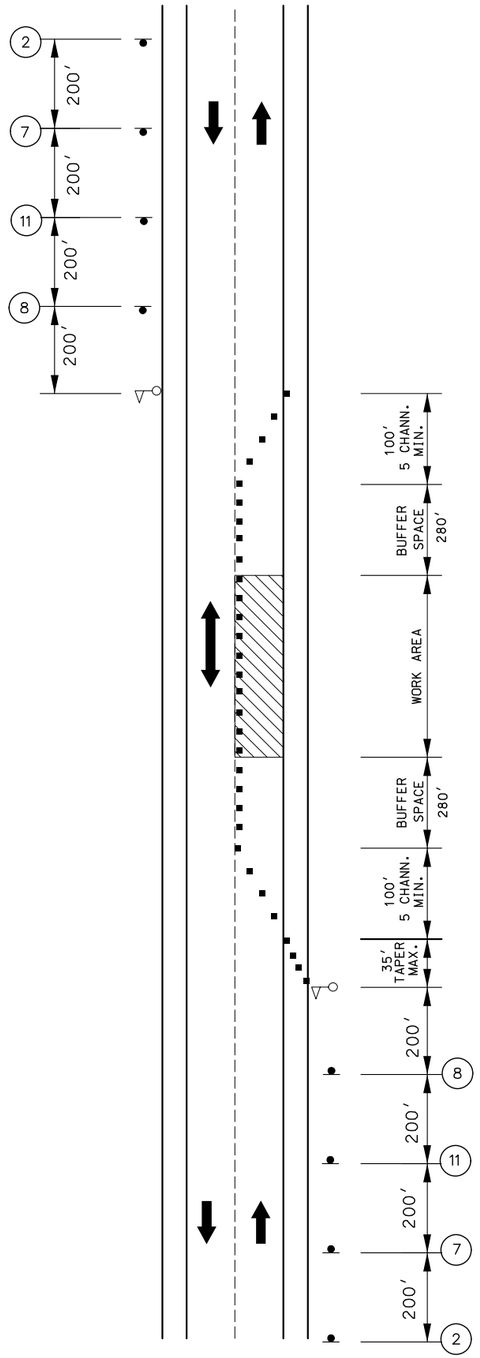

LANE CLOSURE ON
TWO-LANE ROAD
USING FLAGGERS

NOT TO SCALE



W020-1
(2)



W020-4
(7)



W020-7a
(8)



W03-4
(11)

NOTES:

AUTOMATED FLAGGER ASSISTANCE DEVICES (AFAD) AND PORTABLE SIGNAL FLAGGING DEVICES (PSFD) MAY BE USED AS AN ALTERNATIVE FLAGGING OPERATION.

IF USED AT NIGHT, THE FLAGGER STATIONS SHALL BE ILLUMINATED WITH AN AVERAGE MAINTAINED INTENSITY OF 0.6 FOOTCANDLES (6.5 LUX).

THE ADVANCED WARNING RAIL SYSTEM IS INSTALLED ON THE ACTIVE FIRST OCCURANCE OF THE ROAD WORK AHEAD (W020-1) AND ROAD CLOSED AHEAD (W020-3) SIGNS ON THE MAINLINE ROADWAY.

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	200	–	–	–	280	–	40
40-45	350	–	–	–	400	–	80
50-55	500	–	–	–	560	–	80
60-70	1000	–	–	–	840	–	120

1 Shoulder taper length based on 10 ft. (standard shoulder width) offset.
2. Lane taper length based on 12 ft. (standard lane width) offset.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIM-LINE)
- WORK AREA
- FLAGGER

SHEET 16 OF 38
LANE CLOSURE ON TWO-LANE
ROAD USING FLAGGERS

TRAFFIC CONTROL SHEET

MO ROUTE 366
WATSON ROAD

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366	MO
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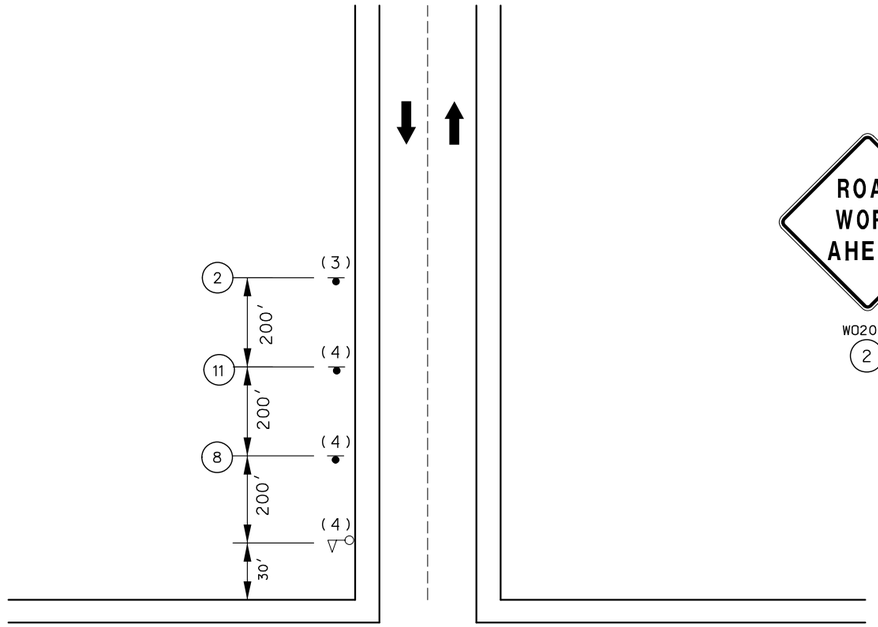
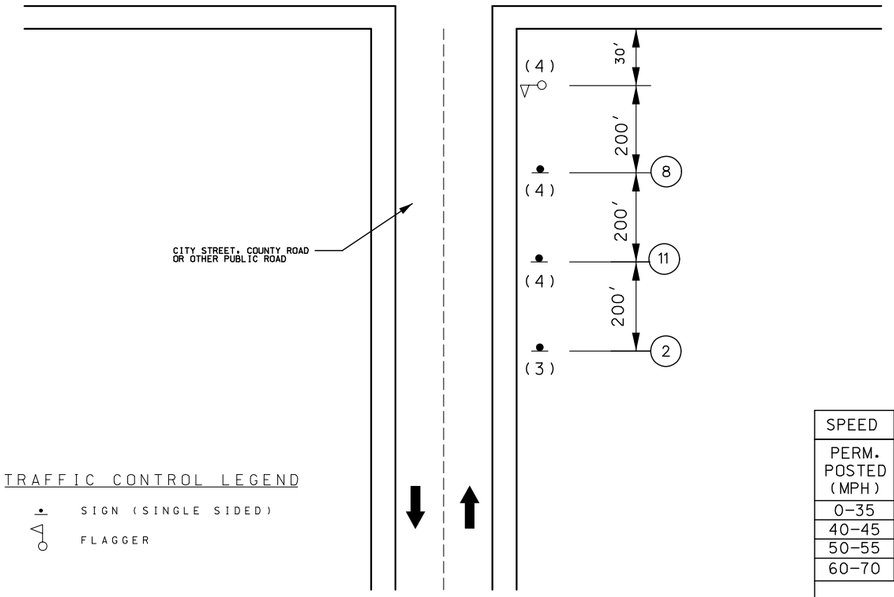


ROAD UNDER CONSTRUCTION
(WITH OR WITHOUT TRAFFIC)



PUBLIC ROAD CROSSING ANOTHER ROAD UNDER CONSTRUCTION

NOT TO SCALE

W020-1
(2)



W020-7a
(8)



W03-4
(11)

NOTES:

ADDITIONAL SIGNING MAY BE REQUIRED BASED ON WORK ZONE ACTIVITIES.

(3) ROAD WORK AHEAD SIGN REQUIRED FOR ALL PUBLIC ROAD APPROACHED TO THE WORK ZONE. IF NO FLAGGERS ARE REQUIRED, THEN THE ROAD WORK AHEAD SIGNS ARE LOCATED "S" FEET FROM THE INTERSECTION.

(4) FLAGGER AND SIGNING ONLY REQUIRED WHERE EQUIPMENT IS CROSSING THE ROAD OR OTHER CONDITIONS REQUIRING FLAGGER CONTROL EXIST.

IF USED AT NIGHT, THE FLAGGER STATIONS SHALL BE ILLUMINATED WITH AN AVERAGE MAINTAINED INTENSITY OF 0.6 FOOTCANDLES (6.5 LUX).

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	200	-	70	245	280	35	40
40-45	350	-	150	540	400	40	80
50-55	500	-	185	660	560	50	80
60-70	1000	-	235	840	840	60	120

1 Shoulder taper length based on 10 ft. (standard shoulder width) offset.
2. Lane taper length based on 12 ft. (standard lane width) offset.

SHEET 17 OF 38
PUBLIC ROAD CROSSING ANOTHER ROAD UNDER CONSTRUCTION

TRAFFIC CONTROL SHEET

MO ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
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366	MO
DISTRICT	SHEET NO.
SL	263

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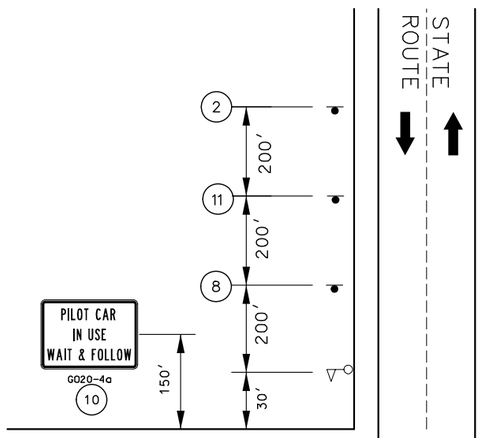



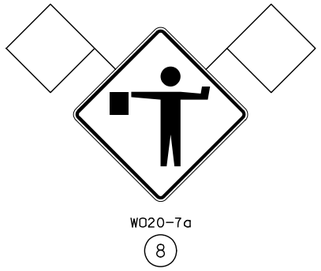



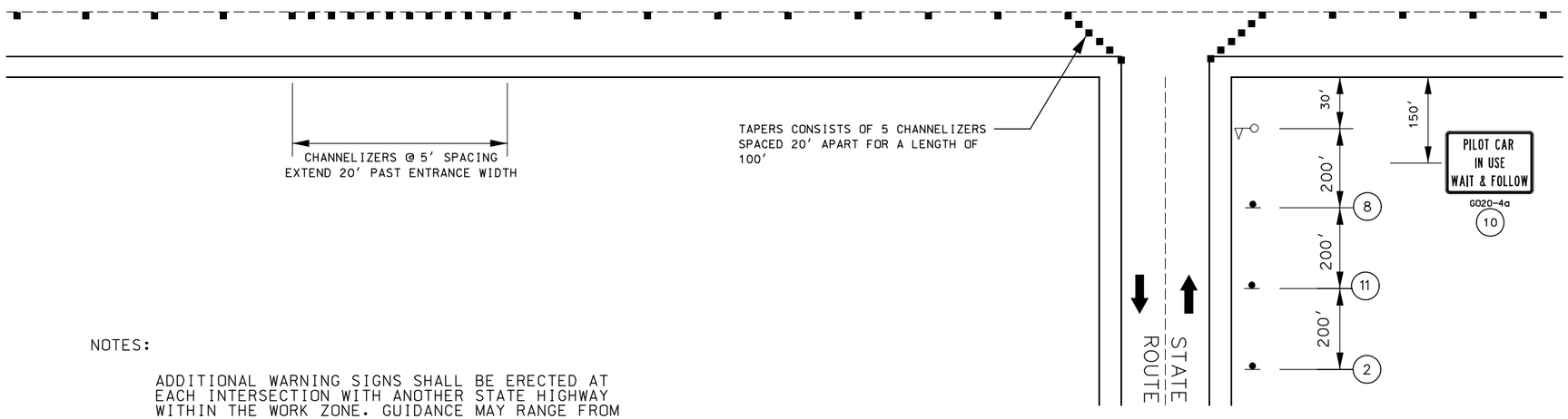

SIDE ROADS ENTERING WORK ZONES

NOTES:

ADDITIONAL WARNING SIGNS SHALL BE ERECTED AT EACH INTERSECTION WITH ANOTHER STATE HIGHWAY WITHIN THE WORK ZONE. GUIDANCE MAY RANGE FROM A ROAD WORK AHEAD SIGN, A FLAGGER AT AN INTERSECTION, OR USE OF A PILOT CAR.

UPON THE DISCRETION OF THE ENGINEER, ADDITIONAL WARNING SIGNS MAY BE ERECTED AT OTHER INTERSECTIONS WITHIN THE WORK ZONE.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIM-LINE)
- FLAGGER

SPEED	SIGN SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)
0-35	200	200
40-45	350	500
50-55	500	1000
60-70	1000	SA-1000 SB-1500 SC-2640

NOT TO SCALE

SHEET 18 OF 38
SIDE ROAD ENTERING WORK ZONE

TRAFFIC CONTROL SHEET

MO ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	264

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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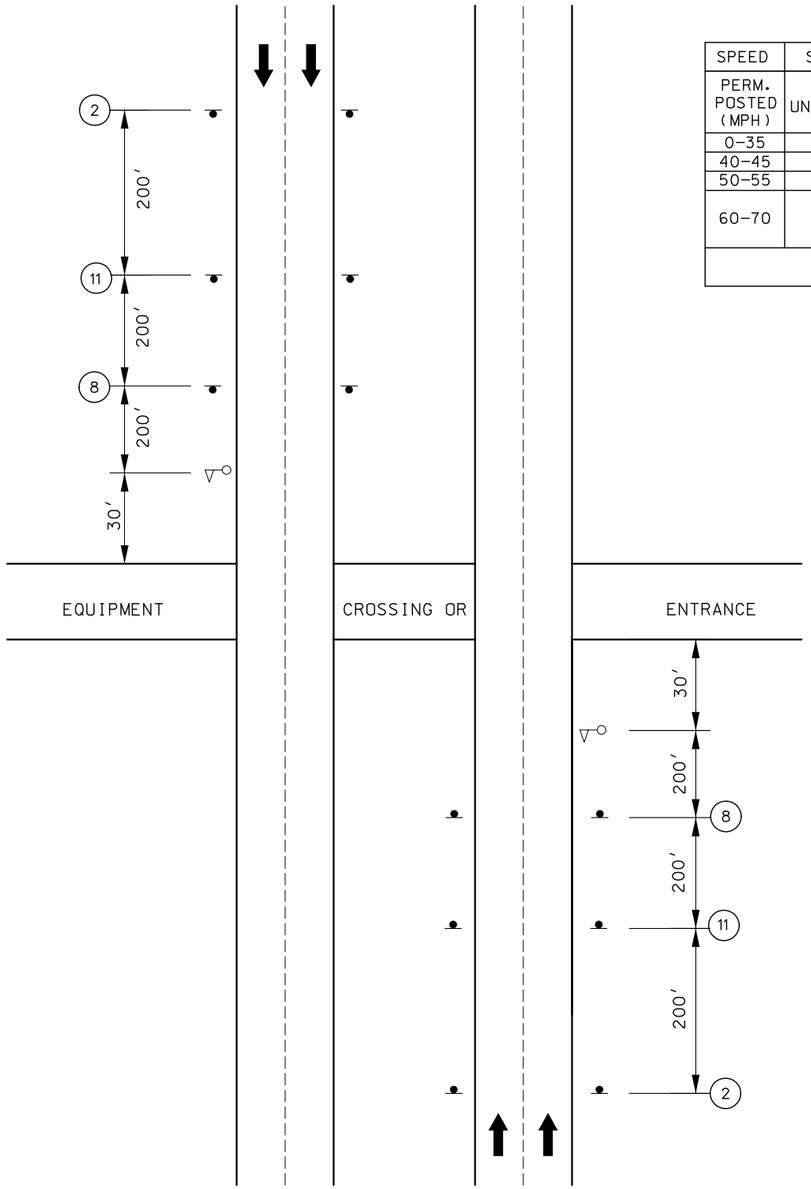
ENGINEERING CORPORATION - 000631



EQUIPMENT CROSSING OR ENTRANCE ON DIVIDED HIGHWAY
TRUCK AND EQUIPMENT CROSSING OR ENTRANCE

NOT TO SCALE

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	200	200	-	-	-	-	-
40-45	350	500	-	-	-	-	-
50-55	500	1000	-	-	-	-	-
60-70	1000	SA-1000 SB-1500 SC-2640	-	-	-	-	-

1 Shoulder taper length based on 10 ft. (standard shoulder width) offset.
2. Lane taper length based on 12 ft. (standard lane width) offset.



W020-1
(2)



W020-7a
(8)



W03-4
(11)

NOTES:

ROAD WORK AHEAD SIGN NOT NEEDED IF ENTRANCE IS LOCATED WITHIN THE LIMITS OF AN ACTIVITY AREA WHERE ANOTHER ROAD WORK AHEAD SIGN IS ALREADY USED.

WHEN A ROAD USED EXCLUSIVELY AS A HAUL ROAD IS NOT IN USE, THE HAUL ROAD SHALL BE CLOSED WITH TYPE III BARRICADES AND FLAGGER SIGNS COVERED.

AT NIGHT, FLAGGER STATIONS SHALL BE ILLUMINATED WITH AN AVERAGE MAINTAINED INTENSITY OF 0.6 FOOTCANDLES (6.5 LUX).

THE ADVANCED WARNING RAIL SYSTEM IS INSTALLED ON THE ACTIVE FIRST OCCURANCE OF THE ROAD WORK AHEAD (W020-1) AND ROAD CLOSED AHEAD (W020-3) SIGNS ON THE MAINLINE ROADWAY.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- WORK AREA
- FLAGGER

SHEET 19 OF 38
TRUCK AND EQUIPMENT CROSSING OR ENTERING DIVIDED HIGHWAY

TRAFFIC CONTROL SHEET

MO ROUTE 366
WATSON ROAD

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	265

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
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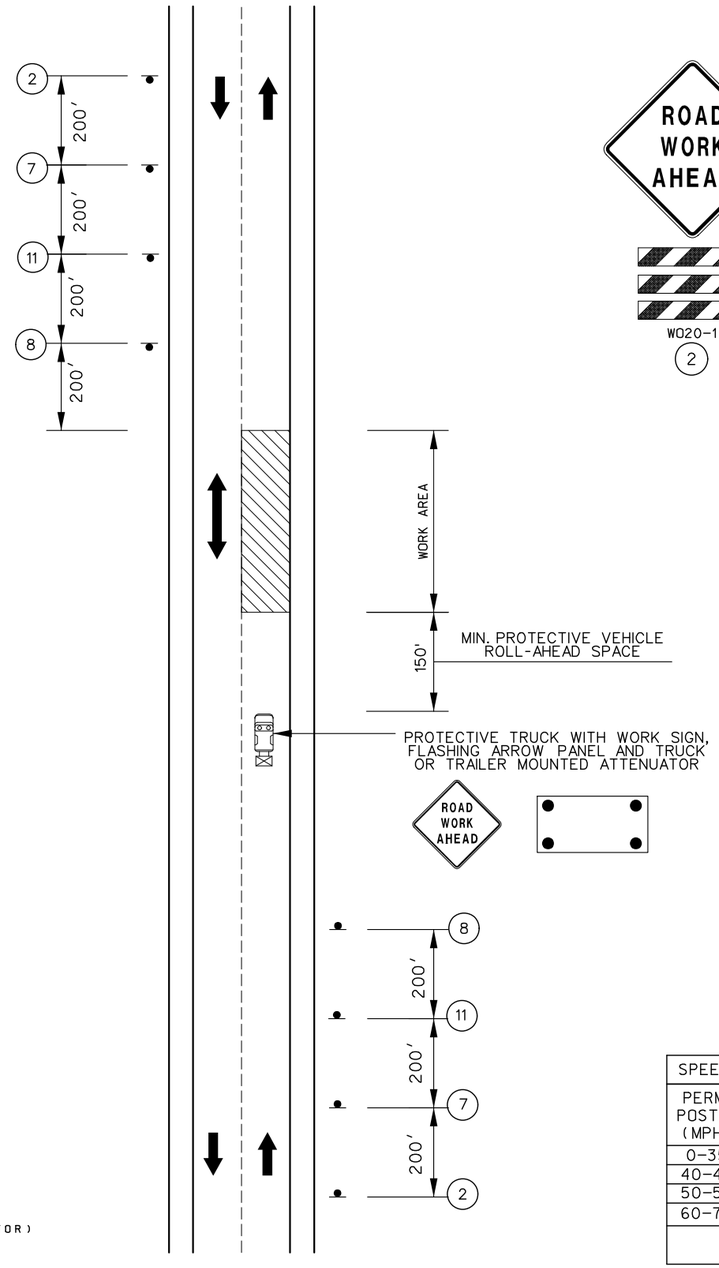

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIM-LINE)
- WORK AREA
- TMA (TRUCK MOUNTED ATTENUATOR)

W020-1
(2)



W020-4
(7)



W020-7a
(8)



W03-4
(11)

NOTES:

FLASHING ARROW PANELS SHALL BE OPERATED IN CAUTION MODE.

UPON APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY PROVIDE ADDITIONAL PROTECTIVE TRUCKS EQUIPPED WITH PROPER WARNING DEVICES.

THE FLAGGER POSITION SHOULD BE LOCATED WHERE THEY WILL PROVIDE THE MOST VALUE TO THE MOTORIST AND THE WORK CREW.

PROTECTIVE TRUCK AND WORK VEHICLES SHALL DISPLAY HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

VEHICLE HAZARD WARNING LIGHTS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

VEHICLE-MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSCURED BY EQUIPMENT OR SUPPLIES. SIGN LEGEND ON VEHICLE-MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS.

THE ADVANCED WARNING RAIL SYSTEM IS INSTALLED ON THE ACTIVE FIRST OCCURANCE OF THE ROAD WORK AHEAD (W020-1) AND ROAD CLOSED AHEAD (W020-3) SIGNS ON THE MAINLINE ROADWAY.

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	200	-	-	-	-	-	-
40-45	350	-	-	-	-	-	-
50-55	500	-	-	-	-	-	-
60-70	1000	-	-	-	-	-	-

1 Shoulder taper length based on 10 ft. (standard shoulder width) offset.
2. Lane taper length based on 12 ft. (standard lane width) offset.

MOBILE OPERATION
ON TWO-LANE HIGHWAYS

NOT TO SCALE

SHEET 20 OF 38
MOBILE OPERATION ON
TWO-LANE HIGHWAYS

TRAFFIC CONTROL SHEET

MO ROUTE 366
WATSON ROAD

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CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	266

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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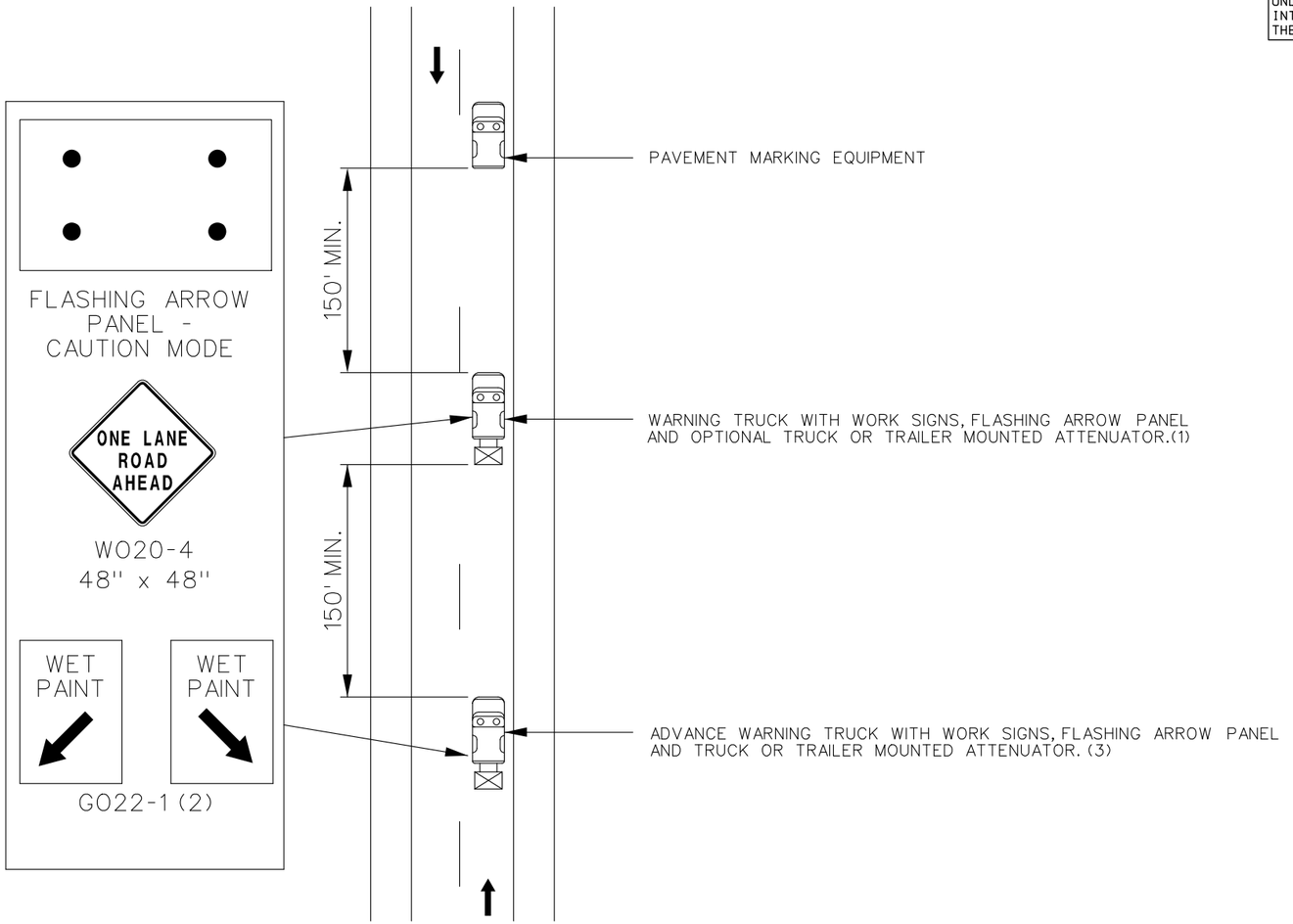
REV.

CENTER LINE / EDGE LINE STRIPING ON TWO-LANE HIGHWAYS



TWO-LANE UNDIVIDED HIGHWAY

NOTES:

UPON APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY PROVIDE ADDITIONAL PROTECTIVE TRUCKS EQUIPPED WITH PROPER WARNING DEVICES.

PROTECTIVE TRUCK AND WORK VEHICLES SHALL DISPLAY HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

VEHICLE HAZARD WARNING LIGHTS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

(1) TRUCK IS OPTIONAL ON TWO-LANE UNDIVIDED HIGHWAYS IF SIGNING AND ARROW BOARD IS MOUNTED ON THE PAVEMENT MARKING EQUIPMENT.

(2) WET PAINT SIGNS ARE INSTALLED TO INDICATE THE SIDE IN WHICH THE PAVEMENT MARKING MATERIAL IS BEING APPLIED. AT THE CONTRACTOR'S OPTION. A FRONT FACING WET PAINT SIGN MAY BE INSTALLED ON THE LEFT SIDE OF THE PAVEMENT MARKING EQUIPMENT.

(3) ADVANCE WARNING TRUCK IS POSITIONED AT THE NO TRACK POINT OF THE PAVEMENT MARKING MATERIAL OR SPACING SHOWN, WHICHEVER IS GREATER.

NOT TO SCALE

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07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	267

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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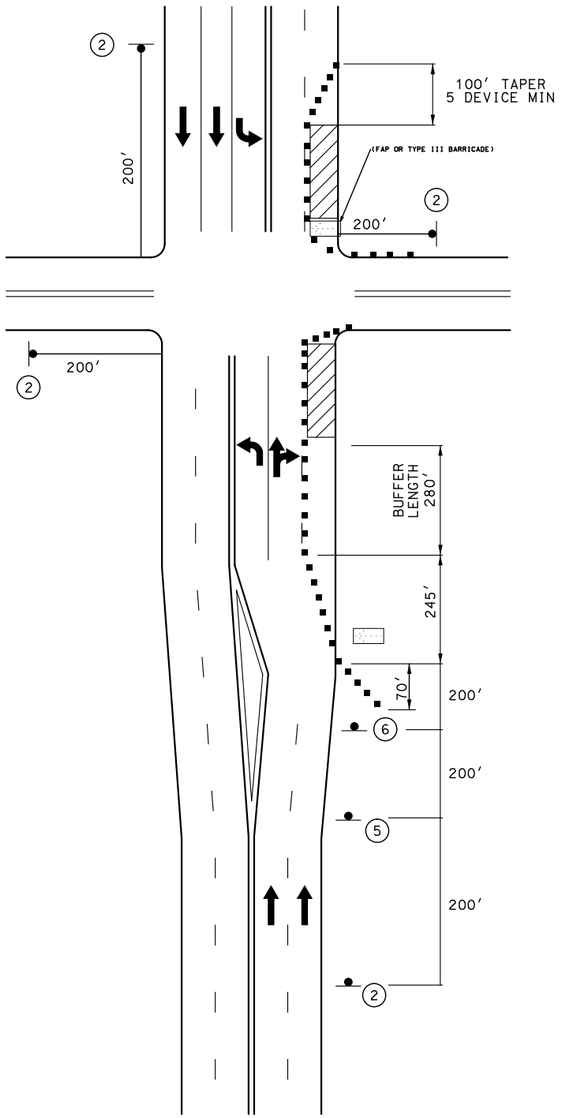
REV.

SHEET 21 OF 38
CENTERLINE / EDGE LINE
STRIPING ON TWO-LANE HIGHWAY

TRAFFIC CONTROL SHEET

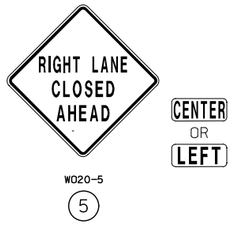
MO ROUTE 366
WATSON ROAD

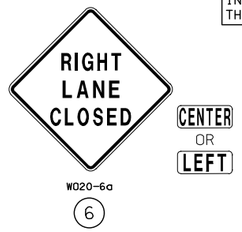


RIGHT LANE CLOSURE AT INTERSECTION
WORK ON NEAR OR FAR SIDE

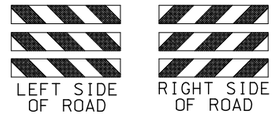
NOT TO SCALE







ADVANCE WARNING RAIL SYSTEM



NOTES:

REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.

FOR SIGNALIZED INTERSECTIONS, ADJUSTMENTS MAY NEED TO BE MADE TO SIGNAL PHASING, TIMING, INDICATIONS OR DETECTOR SETTINGS.

FOR SHORT TERM OPERATION, WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, A 10-FEET DEVICE SPACING IS USED WHERE TRAFFIC IS GUIDED ACROSS DOUBLE YELLOW LINES OR OTHER CONFLICTING PAVEMENT MARKING. ALL OTHER SPACING ARE ONE-HALF OF THE SPACING.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

PAVEMENT MARKING AND BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.

RIGHT LANE CLOSED AHEAD SIGN MAY BE OMITTED IN LOW SPEED URBAN AREAS WHERE THERE IS NOT SUFFICIENT SPACE FOR HTE FULL SIGN SERIES.

THE ADVANCED WARNING RAIL SYSTEM IS INSTALLED ON THE ACTIVE FIRST OCCURANCE OF THE ROAD WORK AHEAD (W020-1) AND ROAD CLOSED AHEAD (W020-3) SIGNS ON THE MAINLINE ROADWAY.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIM-LINE)
- WORK AREA
- FLASHING ARROW PANEL

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	200	200	70	245	280	35	40
40-45	350	500	150	540	400	40	80
50-55	500	1000	185	660	560	50	80
60-70	1000	SA-1000 SB-1500 SC-2640	235	840	840	60	120
1 Shoulder taper length based on 10 ft. (standard shoulder width) offset. 2. Lane taper length based on 12 ft. (standard lane width) offset.							

SHEET 22 OF 38
RIGHT LANE CLOSURE AT INTERSECTION WITH WORK ON NEAR OR FAR SIDE

TRAFFIC CONTROL SHEET

MO ROUTE 366
WATSON ROAD

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	268

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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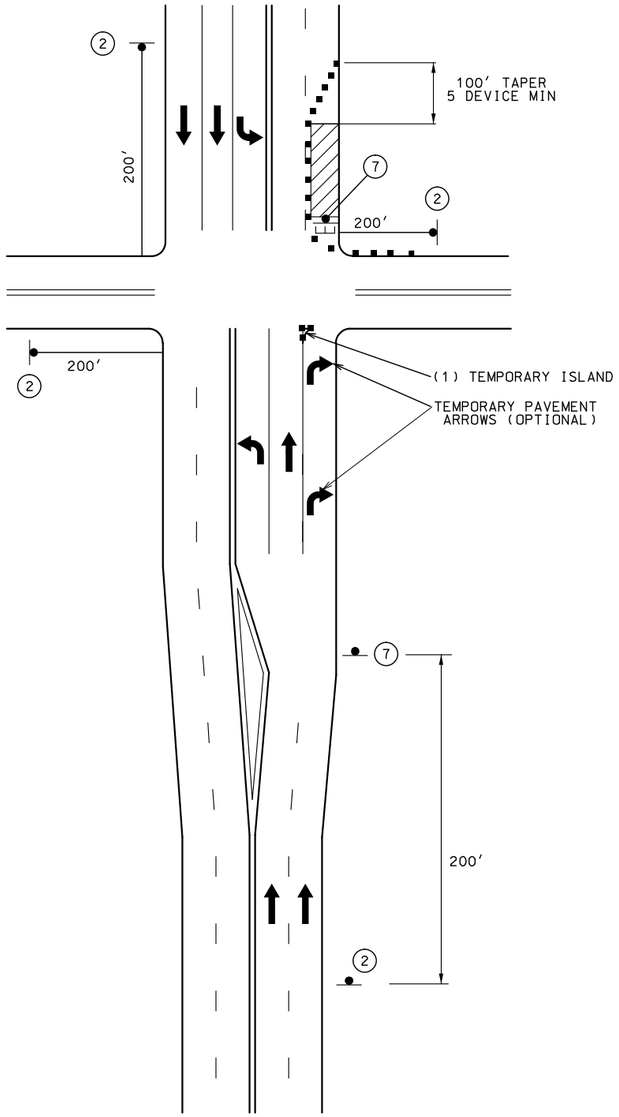

RIGHT LANE CLOSURE AT INTERSECTION
WORK ON FAR SIDE



2



7

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIM-LINE)
- WORK AREA
- TYPE 3 MOVEABLE BARRICADE

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UNDIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	200	200	70	245	280	35	40
40-45	350	500	150	540	400	40	80
50-55	500	1000	185	660	560	50	80
60-70	1000	SA-1000 SB-1500 SC-2640	235	840	840	60	120
1 Shoulder taper length based on 10 ft. (standard shoulder width) offset. 2. Lane taper length based on 12 ft. (standard lane width) offset.							

NOTES:

FOR SIGNALIZED INTERSECTIONS, ADJUSTMENTS MAY NEED TO BE MADE TO SIGNAL PHASING, TIMING, INDICATIONS OR DETECTOR SETTINGS.

REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.

PAVEMENT MARKING AND BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

FOR SHORT TERM OPERATION, WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, A 10-FEET DEVICE SPACING IS USED WHERE TRAFFIC IS GUIDED ACROSS DOUBLE YELLOW LINES OR OTHER CONFLICTING PAVEMENT MARKING. ALL OTHER SPACING ARE ONE-HALF OF THE SPACING.

(1) TEMPORARY ISLAND MAY BE USED TO EMPHASIZE THE MANDATORY RIGHT TURN MOVEMENT WHERE THERE IS A SUFFICIENT RIGHT TURN RADIUS.

THE ADVANCED WARNING RAIL SYSTEM IS INSTALLED ON THE ACTIVE FIRST OCCURANCE OF THE ROAD WORK AHEAD (W020-1) AND ROAD CLOSED AHEAD (W020-3) SIGNS ON THE MAINLINE ROADWAY.

NOT TO SCALE

SHEET 23 OF 38
RIGHT LANE CLOSURE
AT INTERSECTION WITH WORK
ON FAR SIDE

TRAFFIC CONTROL SHEET

MO ROUTE 366
WATSON ROAD

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CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	269

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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JEFFERSON CITY, MO 65102
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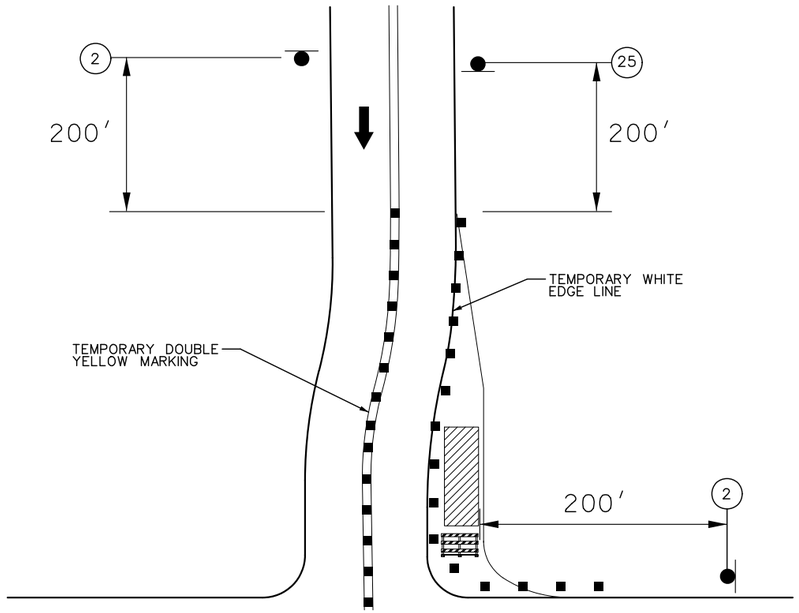
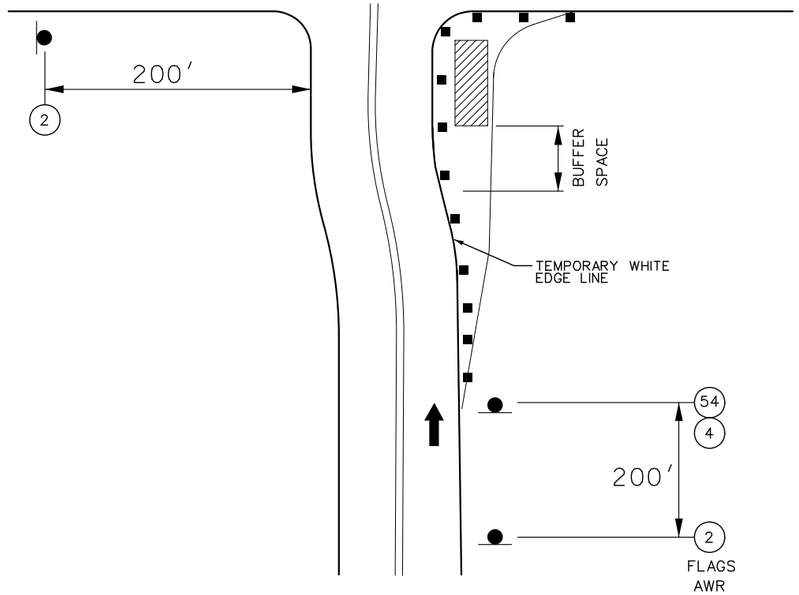


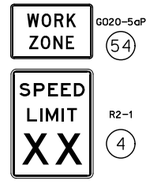


THROUGH LANE
AT INTERSECTION

NOT TO SCALE









TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIM-LINE)
- WORK AREA
- TYPE 3 BARRICADES

NOTES:

REMOVE AND/OR MODIFY EXISTING OR CONFLICTING PAVEMENT MARKINGS AS NEEDED.

TEMPORARY PAVEMENT MARKINGS REQUIRED WITH LONG TERM CLOSURES.

FOR SIGNALIZED INTERSECTIONS, ADJUSTMENTS MAY NEED TO BE MADE TO SIGNAL PHASING, TIMING, INDICATIONS OR DETECTOR SETTINGS.

FOR SHORT TERM OPERATIONS, WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, A 10′ DEVICE SPACING IS USED WHERE TRAFFIC IS GUIDED ACROSS DOUBLE YELLOW LINES OR OTHER CONFLICTING PAVEMENT MARKING. ALL OTHER SPACING ARE ONE- HALF MARKING.

PAVEMENT MARKING AND BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.

THE ADVANCED WARNING RAIL SYSTEM IS INSTALLED ON THE ACTIVE FIRST OCCURANCE OF THE ROAD WORK AHEAD (W020-1) AND ROAD CLOSED AHEAD (W020-3) SIGNS ON THE MAINLINE ROADWAY.

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	200	200	70	245	280	35	40
40-45	350	500	150	540	400	40	80
50-55	500	1000	185	660	560	50	80
60-70	1000	SA-1000 SB-1500 SC-2640	235	840	840	60	120

1 Shoulder taper length based on 10 ft. (standard shoulder width) offset.
2. Lane taper length based on 12 ft. (standard lane width) offset.

SHEET 24 OF 38
THROUGH LANE
AT INTERSECTION

TRAFFIC CONTROL SHEET

MO ROUTE 366
WATSON ROAD

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CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	270

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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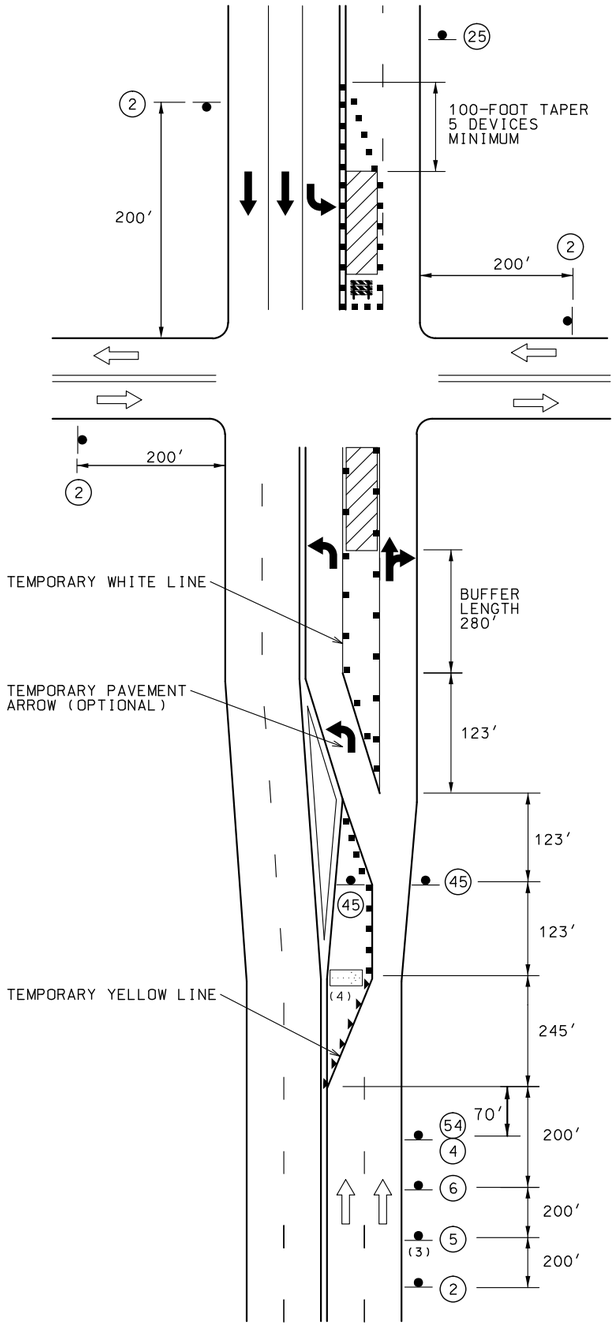
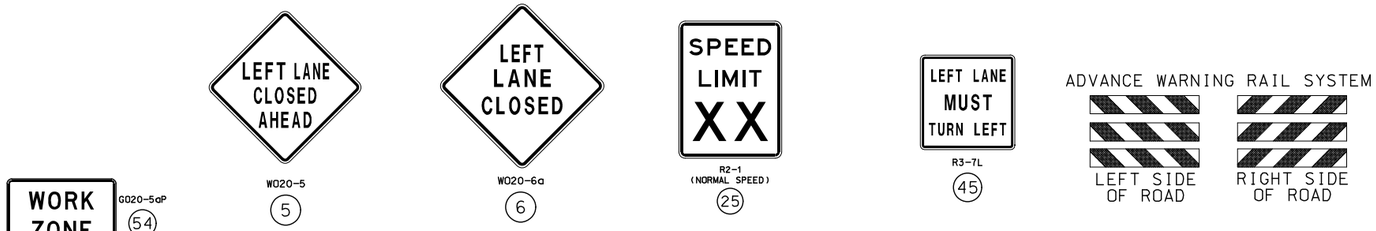


LEFT LANE CLOSURE AT INTERSECTION
WORK ON NEAR OR FAR SIDE

NOT TO SCALE

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	200	200	70	245	280	35	40
40-45	350	500	150	540	400	40	80
50-55	500	1000	185	660	560	50	80
60-70	1000	SA-1000 SB-1500 SC-2640	235	840	840	60	120

1 Shoulder taper length based on 10 ft. (standard shoulder width) offset.
2. Lane taper length based on 12 ft. (standard lane width) offset.



NOTES:

REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.

FOR SIGNALIZED INTERSECTIONS, ADJUSTMENTS MAY NEED TO BE MADE TO SIGNAL PHASING,TIMING, INDICATIONS OR DETECTOR SETTINGS.

FOR SHORT TERM OPERATION, WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, A 10-FEET DEVICE SPACING IS USED WHERE TRAFFIC IS GUIDED ACROSS DOUBLE YELLOW LINES OR OTHER CONFLICTING PAVEMENT MARKING. ALL OTHER SPACING ARE ONE-HALF OF THE SPACING.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

PAVEMENT MARKING AND BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.

(1) LEFT LANE CLOSED AHEAD SIGN MAY BE OMITTED IN LOW SPEED URBAN AREAS WHERE THERE IS NOT SUFFICIENT SPACE FOR THE FULL SIGN SERIES.

(2) THE FLASHING ARROW BOARD SHOULD BE LOCATED AT THE BEGINNING OF THE MERGING TAPER WHEN MEDIAN WIDTH ALLOWS THIS PLACEMENT.

THE ADVANCED WARNING RAIL SYSTEM IS INSTALLED ON THE ACTIVE FIRST OCCURANCE OF THE ROAD WORK AHEAD (W020-1) AND ROAD CLOSED AHEAD (W020-3) SIGNS ON THE MAINLINE ROADWAY.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIM-LINE)
- DIRECTIONAL INDICATOR BARRICADES (DIBS)
- WORK AREA
- FLASHING ARROW PANEL
- TYPE 3 BARRICADE

SHEET 25 OF 38
LEFT LANE CLOSURE AT
INTERSECTION WITH WORK
ON NEAR OR FAR SIDE

TRAFFIC CONTROL SHEET

MO ROUTE 366
WATSON ROAD

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	271

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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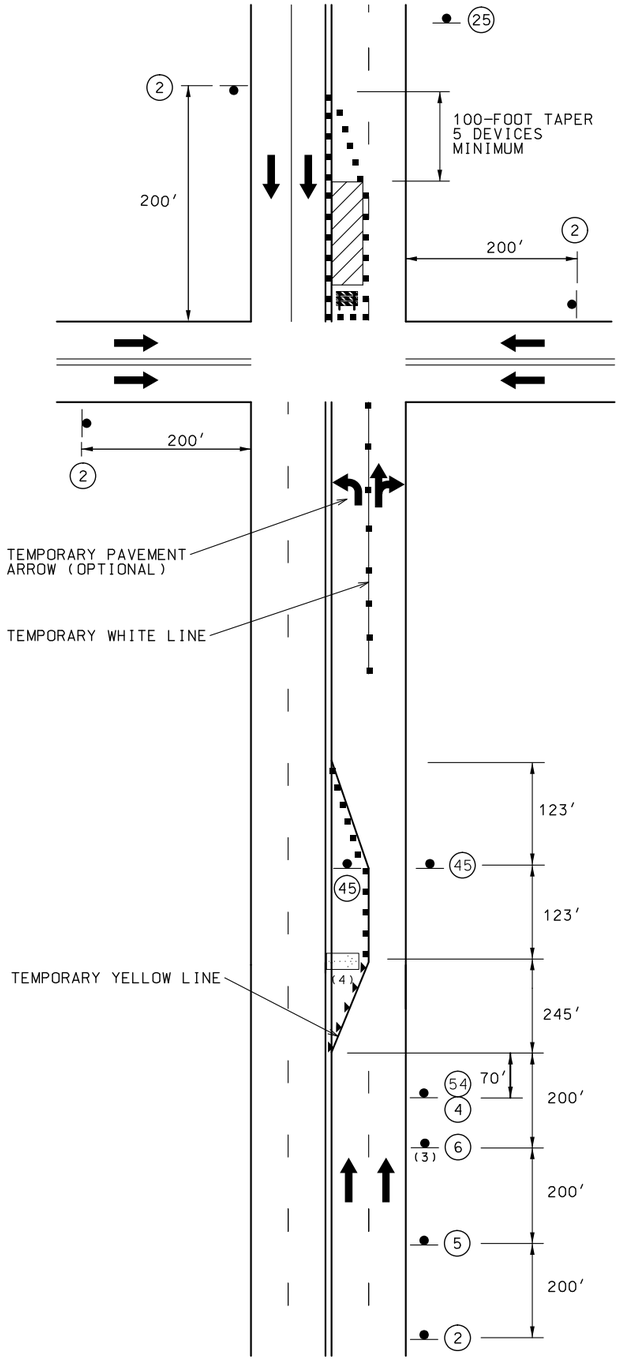
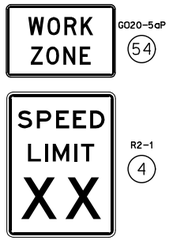


LEFT LANE CLOSURE AT INTERSECTION
WORK ON FAR SIDE

NOT TO SCALE

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIM-LINE)
- DIRECTIONAL INDICATOR BARRICADES (DIBS)
- WORK AREA
- FLASHING ARROW PANEL
- TYPE 3 BARRICADE



G020-5aP
54

R2-1
4



WO20-1
2



WO20-5
5



WO20-6a
6

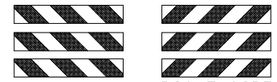


R2-1
(NORMAL SPEED)
25



R3-7L
45

ADVANCE WARNING RAIL SYSTEM



LEFT SIDE OF ROAD

RIGHT SIDE OF ROAD

NOTES:

REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.

FOR SIGNALIZED INTERSECTIONS, ADJUSTMENTS MAY NEED TO BE MADE TO SIGNAL PHASING,TIMING, INDICATIONS OR DETECTOR SETTINGS.

FOR SHORT TERM OPERATION, WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, A 10-FEET DEVICE SPACING IS USED WHERE TRAFFIC IS GUIDED ACROSS DOUBLE YELLOW LINES OR OTHER CONFLICTING PAVEMENT MARKING. ALL OTHER SPACING ARE ONE-HALF OF THE SPACING.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

PAVEMENT MARKING AND BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.

(1) LEFT LANE CLOSED AHEAD SIGN MAY BE OMITTED IN LOW SPEED URBAN AREAS WHERE THERE IS NOT SUFFICIENT SPACE FOR THE FULL SIGN SERIES.

(2) THE FLASHING ARROW BOARD SHOULD BE LOCATED AT THE BEGINNING OF THE MERGING TAPER WHEN MEDIAN WIDTH ALLOWS THIS PLACEMENT.

THE ADVANCED WARNING RAIL SYSTEM IS INSTALLED ON THE ACTIVE FIRST OCCURANCE OF THE ROAD WORK AHEAD (WO20-1) AND ROAD CLOSED AHEAD (WO20-3) SIGNS ON THE MAINLINE ROADWAY.

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	200	200	70	245	280	35	40
40-45	350	500	150	540	400	40	80
50-55	500	1000	185	660	560	50	80
60-70	1000	SA-1000 SB-1500 SC-2640	235	840	840	60	120

1 Shoulder taper length based on 10 ft. (standard shoulder width) offset.
2. Lane taper length based on 12 ft. (standard lane width) offset.

SHEET 26 OF 38
LEFT LANE CLOSURE AT INTERSECTION WITH WORK ON FAR SIDE

TRAFFIC CONTROL SHEET

MO ROUTE 366
WATSON ROAD

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CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	272

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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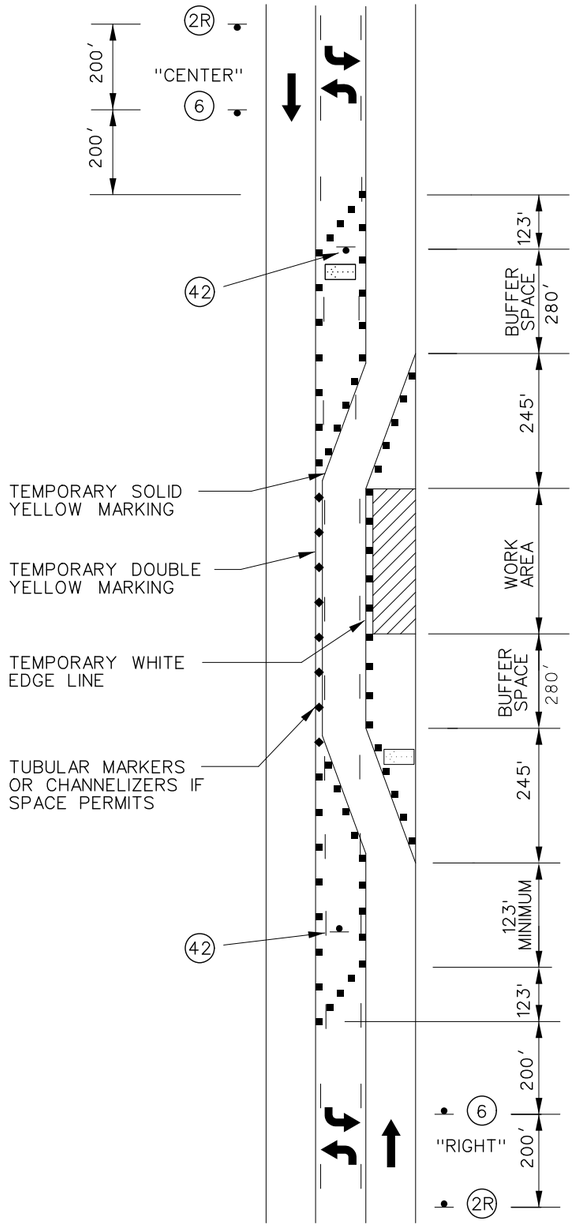

LANE CLOSURE
USING CENTER TURN LANE
LANE SHIFT

NOT TO SCALE



W020-1
2R



W020-6a
6



W020-6a
6



R4-7a
42

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- SIGN (DOUBLE SIDED)
- DIRECTIONAL INDICATOR BARRICADE (DIB)
- CHANNELIZER (TRIM-LINE)
- CHANGEABLE MESSAGE SIGN
- FLASHING ARROW PANEL
- WORK AREA
- TMA (TRUCK MOUNTED ATTENUATOR)

NOTES:

REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

FOR SHORT TERM OPERATIONS, WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, DEVICE SPACING ARE ONE- HALF OF THE SPACING.

THE ADVANCED WARNING RAIL SYSTEM IS INSTALLED ON THE ACTIVE FIRST OCCURANCE OF THE ROAD WORK AHEAD (W020-1) AND ROAD CLOSED AHEAD (W020-3) SIGNS ON THE MAINLINE ROADWAY.

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	200	-	70	245	280	35	40
40-45	350	-	150	540	400	40	80
50-55	500	-	185	660	560	50	80
60-70	1000	-	235	840	840	60	120

1 Shoulder taper length based on 10 ft. (standard shoulder width) offset.
2. Lane taper length based on 12 ft. (standard lane width) offset.

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NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	273

COUNTY
ST. LOUIS

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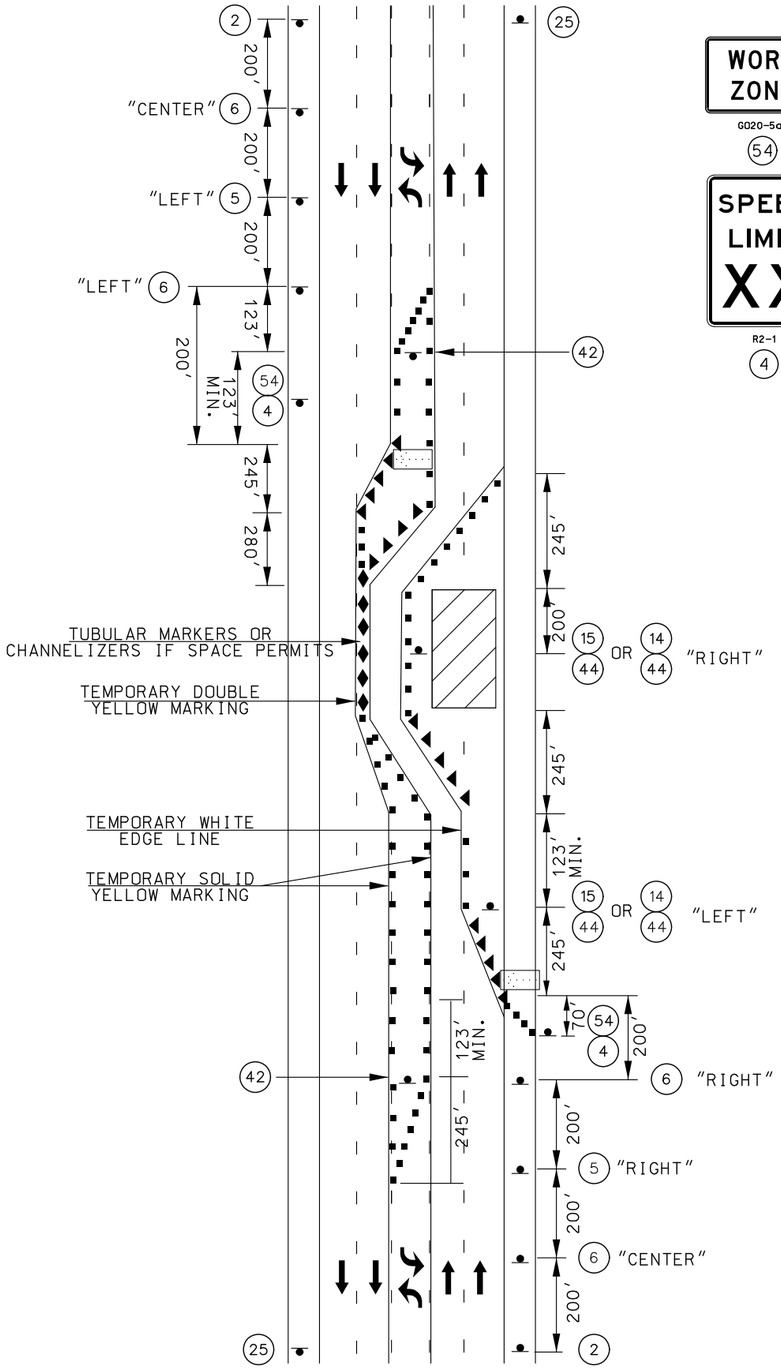
REV.

SHEET 27 OF 38
LANE CLOSURE USING
CENTER TURN LANE
LANE SHIFT

TRAFFIC CONTROL SHEET

MO ROUTE 366
WATSON ROAD



TWO-LANE CLOSURE ON A
5-LANE UNDIVIDED HIGHWAYS

NOT TO SCALE

G020-5aP
54

R2-1
4



W020-1
2

BRIDGE OR RAMP



W020-5
5

CENTER LANE OR LEFT LANE



W020-6a
6

CENTER OR LEFT



W01-4R
15



W013-1
44



W01-3R
14



W013-1
44



W01-4L
15



W013-1
44



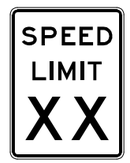
W01-3L
14



W013-1
44



R4-7a
42



R2-1
25

NORMAL SPEED

NOTES:

PAVEMENT MARKINGS NO LONGER APPLICABLE SHALL BE REMOVED OR OBLITERATED AS SOON AS PRACTICAL.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM CLOSURES.

FOR SHORT TERM OPERATIONS WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT, A 10-FEET DEVICE SPACING IS USED IN THE SHIFTING TAPERS AND WHERE TRAFFIC IS GUIDED ACROSS OTHER CONFLICTING PAVEMENT MARKING, ALL OTHER SPACINGS ARE ONE-HALF OF THE SPACING

(1) ADVISORY SPEED (XX MPH) PLAQUE IS ONLY REQUIRED WHERE FULL LENGTH SHIFTING TAPERS CANNOT BE PROVIDED.

THE ADVANCED WARNING RAIL SYSTEM IS INSTALLED ON THE ACTIVE FIRST OCCURANCE OF THE ROAD WORK AHEAD (W020-1) AND ROAD CLOSED AHEAD (W020-3) SIGNS ON THE MAINLINE ROADWAY.

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UNDIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	200	–	70	245	280	35	40
40-45	350	–	150	540	400	40	80
50-55	500	–	185	660	560	50	80
60-70	1000	–	235	840	840	60	120

1 Shoulder taper length based on 10 ft. (standard shoulder width) offset.
2. Lane taper length based on 12 ft. (standard lane width) offset.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIM-LINE)
- TUBULAR MARKER
- DIRECTIONAL INDICATOR BARRICADE
- WORK AREA
- FLASHING ARROW PANEL
- ADVANCE WARNING RAIL SYSTEM

SHEET 28 OF 38
OPERATION IN TWO-WAY
LEFT TURN LANE ON
MULTI-LANE UNDIVIDED HIGHWAYS

TRAFFIC CONTROL SHEET

MO ROUTE 366
WATSON ROAD

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	274

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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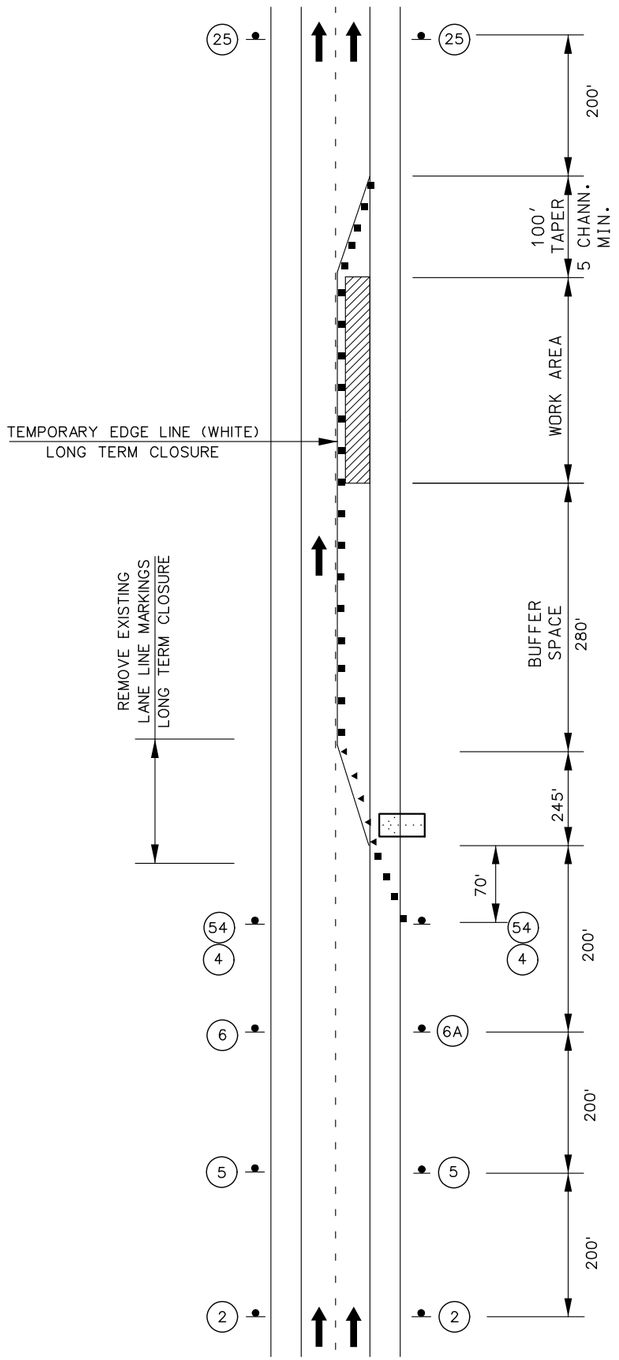
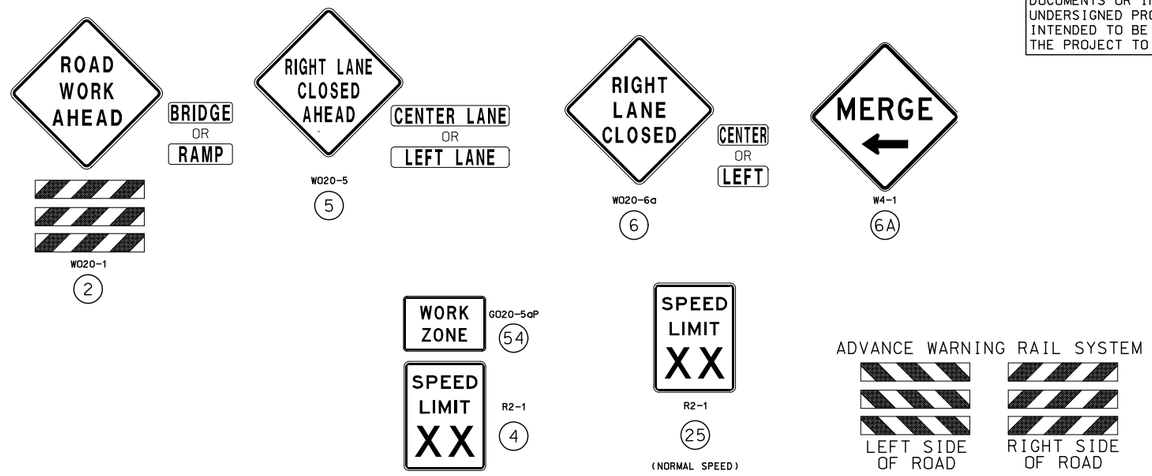


STATIONARY LANE CLOSURE
ON A DIVIDED HIGHWAY

NOT TO SCALE



TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- DIRECTIONAL INDICATOR BARRICADE
- CHANNELIZER (TRIM-LINE)
- WORK AREA
- FLASHING ARROW PANEL
- ADVANCE WARNING RAILS

NOTES:

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM CLOSURES.

REMOVE AND/OR MODIFY ANY EXISTING PAVEMENT MARKING AS NEEDED.

THIS INFORMATION ALSO SHALL BE USED WHEN WORK IS BEING PERFORMED IN THE LANE ADJACENT TO THE MEDIAN ON A DIVIDED HIGHWAY. IN THIS CASE,THE LEFT LANE CLOSED SIGNS AND THE CORRESPONDING MERGE OR LANE ENDS SIGNS SHALL BE SUBSTITUTED.

WHEN A SIDE ROAD INTERSECTS THE HIGHWAY WITHIN THE TTC ZONE, ADDITIONAL TTC DEVICES SHALL BE PLACED AS NEEDED.

THE ADVANCED WARNING RAIL SYSTEM IS INSTALLED ON THE ACTIVE FIRST OCCURANCE OF THE ROAD WORK AHEAD (W020-1) AND ROAD CLOSED AHEAD (W020-3) SIGNS ON THE MAINLINE ROADWAY.

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	-	200	70	245	280	35	40
40-45	-	500	150	540	400	40	80
50-55	-	1000	185	660	560	50	80
60-70	-	SA-1000 SB-1500 SC-2640	235	840	840	60	120

1 Shoulder taper length based on 10 ft. (standard shoulder width) offset.
2. Lane taper length based on 12 ft. (standard lane width) offset.

SHEET 29 OF 38
STATIONARY LANE CLOSURE
ON A DIVIDED HIGHWAY

TRAFFIC CONTROL SHEET

MO ROUTE 366
WATSON ROAD

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
8/2/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	275

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

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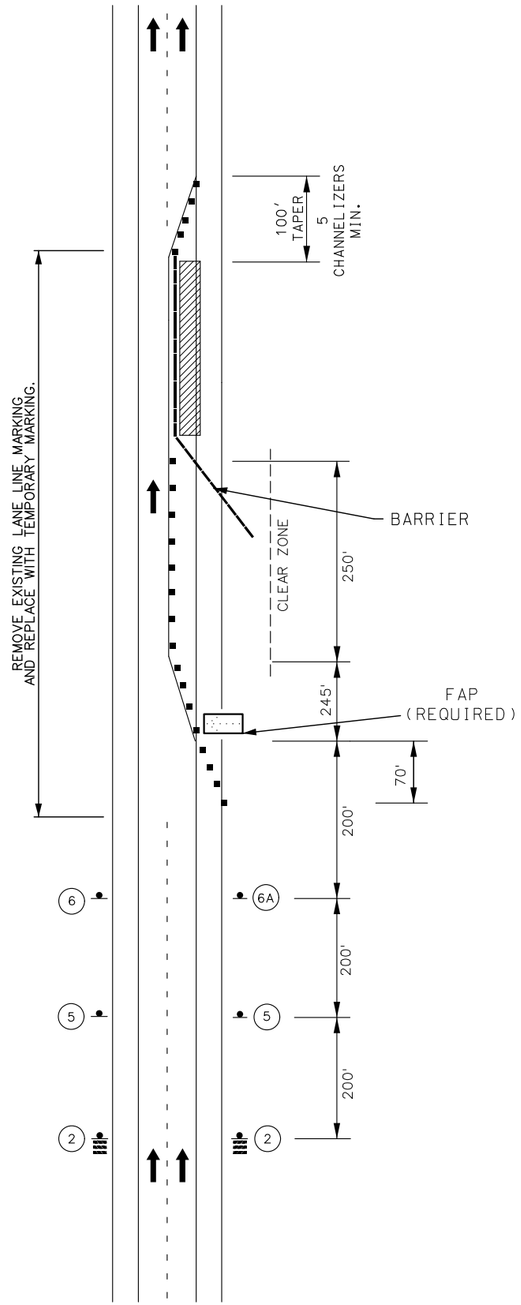
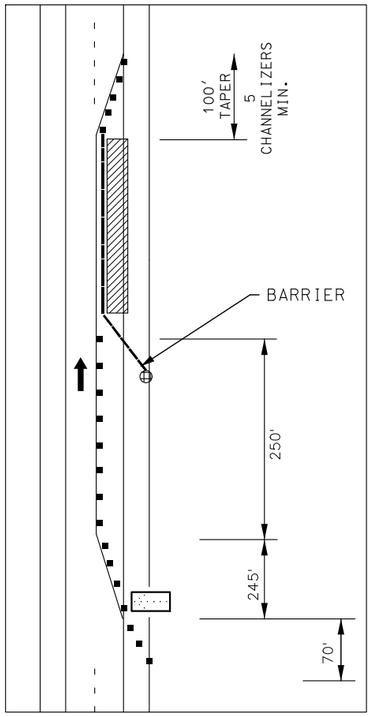


LANE CLOSURE WITH TEMPORARY TRAFFIC BARRIER

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		RECOMMENDED	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UNDIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	-	200	70	245	250	35	40
40-45	-	500	150	540	360	40	80
50-55	-	1000	185	660	495	50	80
60-70	-	SA-1000 SB-1500 SC-2640	235	840	730	60	120

1. SHOULDER TAPER LENGTH BASED ON 10 FT. (STANDARD SHOULDER WIDTH) OFFSET.
2. LANE TAPER LENGTH BASED ON 12 FT. (STANDARD LANE WIDTH) OFFSET.



TYPE OF ROADWAY	SIGN HEIGHT MINIMUM	MAXIMUM WORK ZONE LENGTH (L)
URBAN	7' POST	1 MI.
RURAL DIVIDED	7' POST	2 MI.
VEHICLE	48 INCHES RECOMMENDED	-

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIM-LINE)
- WORK SPACE
- FLASHING ARROW PANEL
- TRUCK MOUNTED ATTENUATOR (TMA)
- TRAFFIC BARRIER
- ADVANCED WARNING RAIL SYSTEM
- CRASH CUSHION

NOTES:

ALWAYS USE CHANNELIZERS TO CREATE A BUFFER AREA WHEN USING TEMPORARY TRAFFIC BARRIER.

TEMPORARY TRAFFIC BARRIER: TEMPORARY TRAFFIC BARRIERS MAY BE NEEDED ON PROJECTS BASED ON PAVEMENT EDGE TREATMENTS, BRIDGE REHABILITATIONS/REPLACEMENTS, ETC.

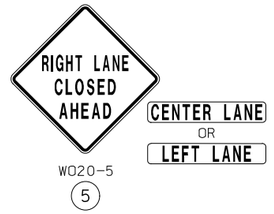
1. A FLARE RATE OF 8:1 FOR THE FLARED CONCRETE BARRIER IS USED FROM THE EDGE OF TRAVELWAY TO THE LIMITS OF THE CLEAR ZONE WHERE THE SIDE SLOPE IS 6:1 OR FLATTER.

2. CONCRETE BARRIER WITHIN THE CLEAR ZONE WILL USE AN APPROVED CRASH CUSHION WHEN THE NORMAL POSTED SPEED LIMIT IS GREATER THAN 35 MPH.

3. CONCRETE BARRIER WITHIN THE CLEAR ZONE CAN USE EITHER A BARRIER HEIGHT TRANSITION OR AN APPROVED CRASH CUSHION WHEN THE NORMAL POSTED SPEED LIMIT IS LESS THAN OR EQUAL TO 35 MPH.

4. REMOVE AND/OR MODIFY ANY EXISTING PAVEMENT MARKING AS NEEDED. TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM CLOSURES.









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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	276

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
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SHEET 30 OF 38
LANE CLOSURE WITH TEMPORARY TRAFFIC BARRIER

TRAFFIC CONTROL SHEET

MO ROUTE 366
WATSON ROAD

NOTES:

UPON APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY PROVIDE ADDITIONAL PROTECTIVE TRUCKS EQUIPPED WITH PROPER WARNING DEVICES.

PROTECTIVE TRUCK AND WORK VEHICLES SHALL DISPLAY HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING OR STROBE LIGHTS.

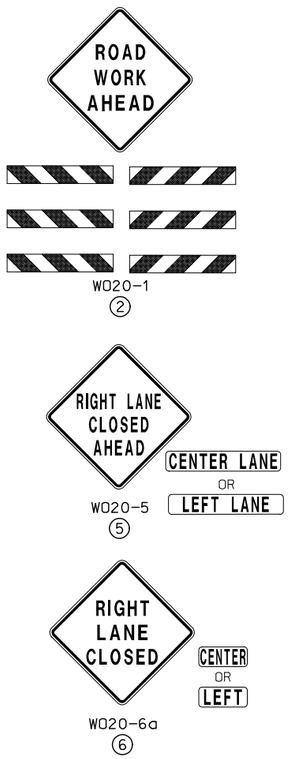
VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

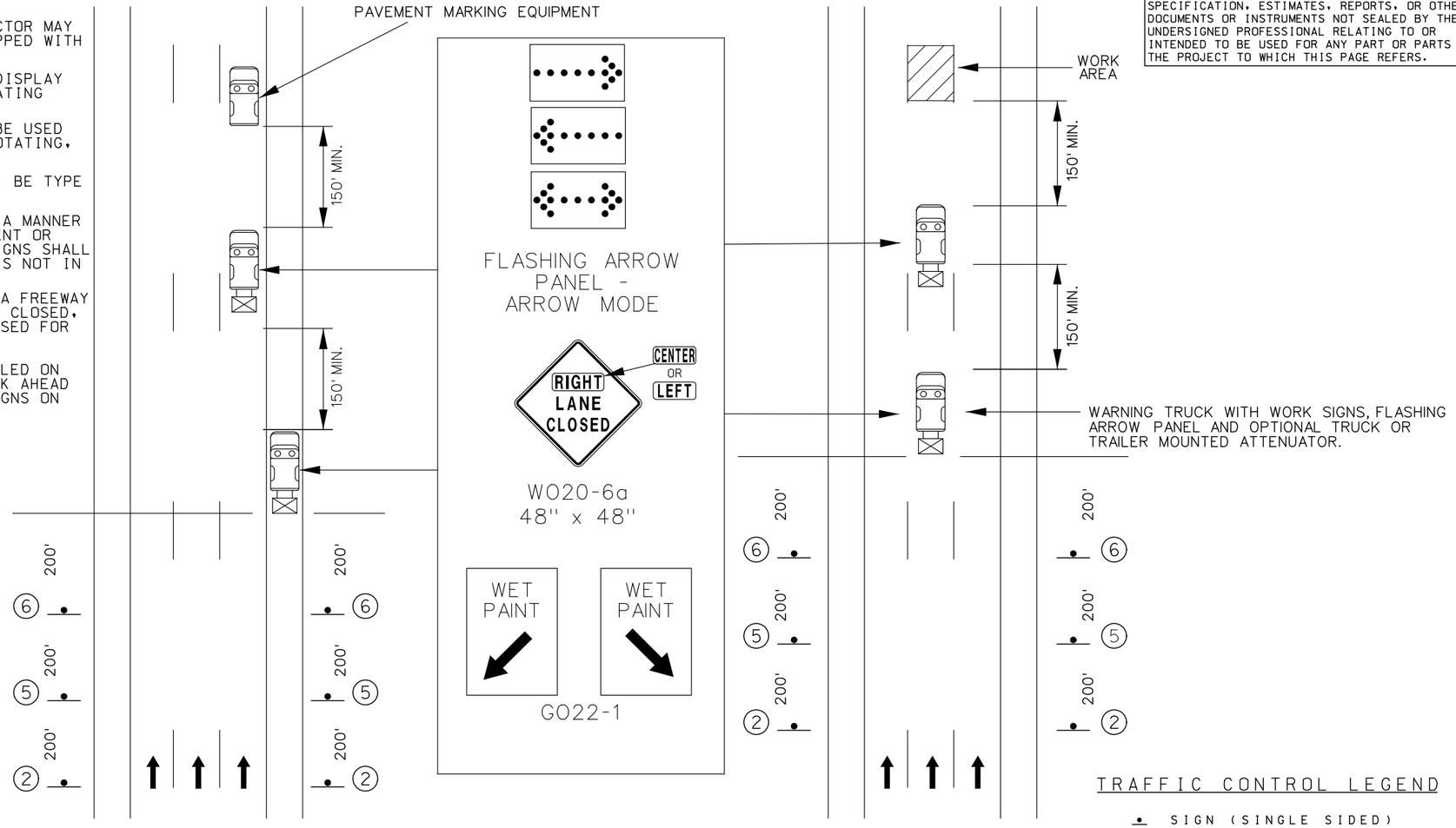
FLASHING ARROW PANELS SHALL, AS A MINIMUM, BE TYPE B, WITH A SIZE OF 60 X 30 INCHES.

VEHICLE-MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSCURED BY EQUIPMENT OR SUPPLIES. SIGN LEGEND ON VEHICLE-MOUNTED IGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS.

A FLASHING ARROW BOARD SHALL BE USED WHEN A FREEWAY LANE IS CLOSED. WHEN MORE THAN ONE LANE IS CLOSED, A SEPARATE FLASHING ARROW BOARD SHALL BE USED FOR EACH CLOSED LANE.

THE ADVANCED WARNING RAIL SYSTEM IS INSTALLED ON THE ACTIVE FIRST OCCURANCE OF THE ROAD WORK AHEAD (W020-1) AND ROAD CLOSED AHEAD (W020-3) SIGNS ON THE MAINLINE ROADWAY.





RIGHT OR LEFT LANE

INTERIOR LANE

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- SIGN (DOUBLE SIDED)
- FLAGGER
- CONE
- CHANNELIZER
- BARRICADE
- CHANGEABLE MESSAGE BOARD

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL CHANNELIZER SPACING (ft.)		
Normal Posted (mph)	Undivided (S)	Divided (S)	Shoulder (1) (T1)	Lane (2) (T2)	BUFFER LENGTH (ft.) (B)	Tapers	Buffer/ Work Areas
0-35		200					
40-45		500					
50-55		1000					
60-70	SA - 1000, SB - 1500, and SC - 2640						

1. Shoulder taper length based on 10 ft. (standard shoulder width) offset. 2. Lane taper length based on 12 ft. (standard lane width) offset.

NOT TO SCALE

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Cassandra McKee Lee - Civil
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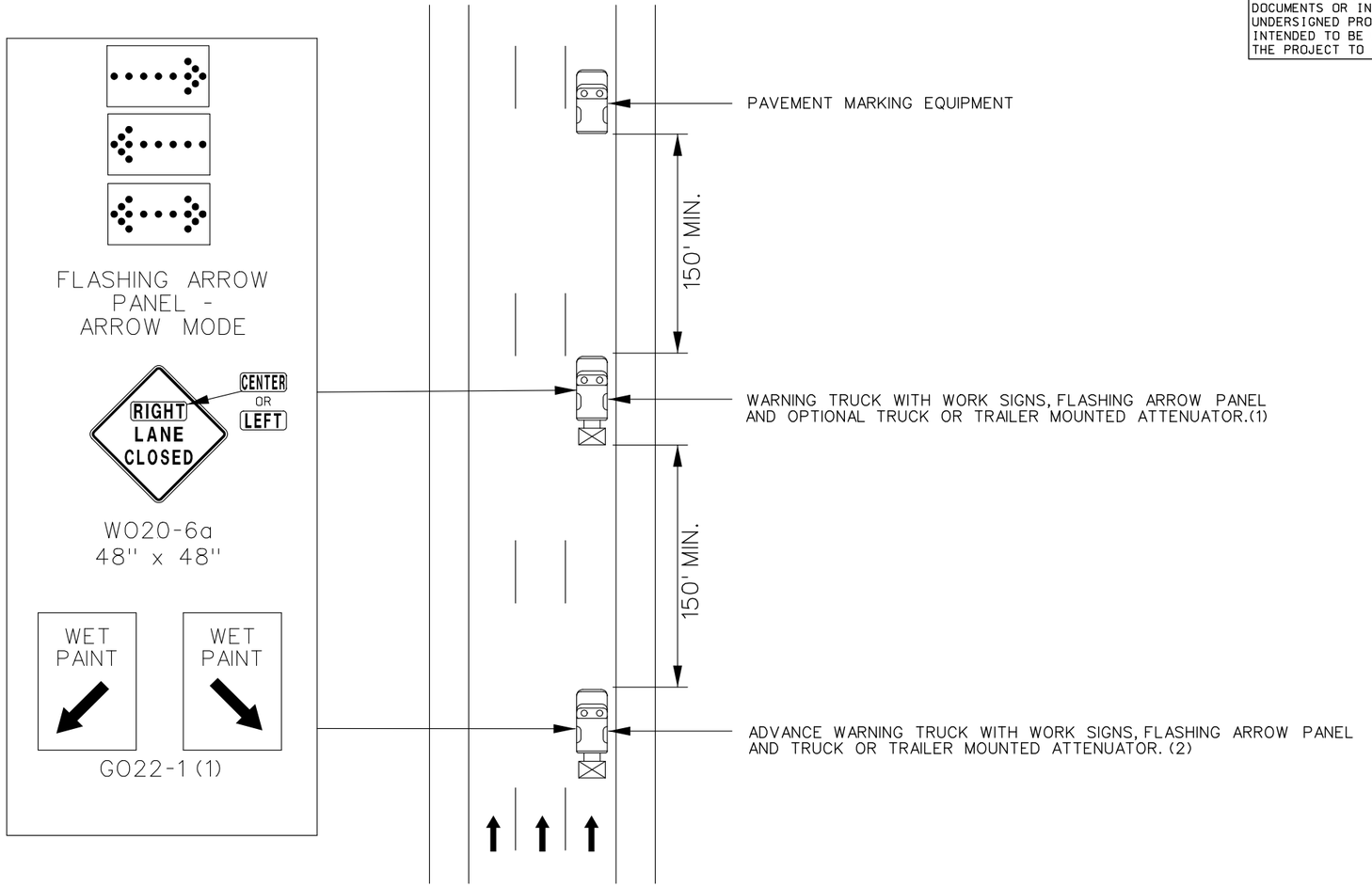
SHEET 31 OF 38
MOBILE OPERATION ON DIVIDED OR MULTI-LANE HIGHWAYS

TRAFFIC CONTROL SHEET

MO ROUTE 366
WATSON ROAD

CENTER LINE AND OR LANE LINE STRIPING ON MULTI-LANE DIVIDED HIGHWAYS



MULTI-LANE DIVIDED HIGHWAY

NOTES:

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PROTECTIVE TRUCK AND WORK VEHICLES SHALL DISPLAY HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

VEHICLE HAZARD WARNING LIGHTS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

(1) WET PAINT SIGNS ARE INSTALLED TO INDICATE THE SIDE IN WHICH THE PAVEMENT MARKING MATERIAL IS BEING APPLIED. AT THE CONTRACTOR'S OPTION. A FRONT FACING WET PAINT SIGN MAY BE INSTALLED ON THE LEFT SIDE OF THE PAVEMENT MARKING EQUIPMENT.

(2) ADVANCE WARNING TRUCK IS POSITIONED AT THE NO TRACK POINT OF THE PAVEMENT MARKING MATERIAL OR SPACING SHOWN, WHICHEVER IS GREATER.

FLASHING ARROW PANELS SHALL, AS A MINIMUM, BE TYPE B, WITH A SIZE OF 60 X 30 INCHES.

VEHICLE-MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSCURED BY EQUIPMENT OR SUPPLIES. SIGN LEGEND ON VEHICLE-MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS.

A FLASHING ARROW BOARD SHALL BE USED WHEN A FREEWAY LANE IS CLOSED. WHEN MORE THAN ONE LANE IS CLOSED, A SEPARATE FLASHING ARROW BOARD SHALL BE USED FOR EACH LANE.

NOT TO SCALE

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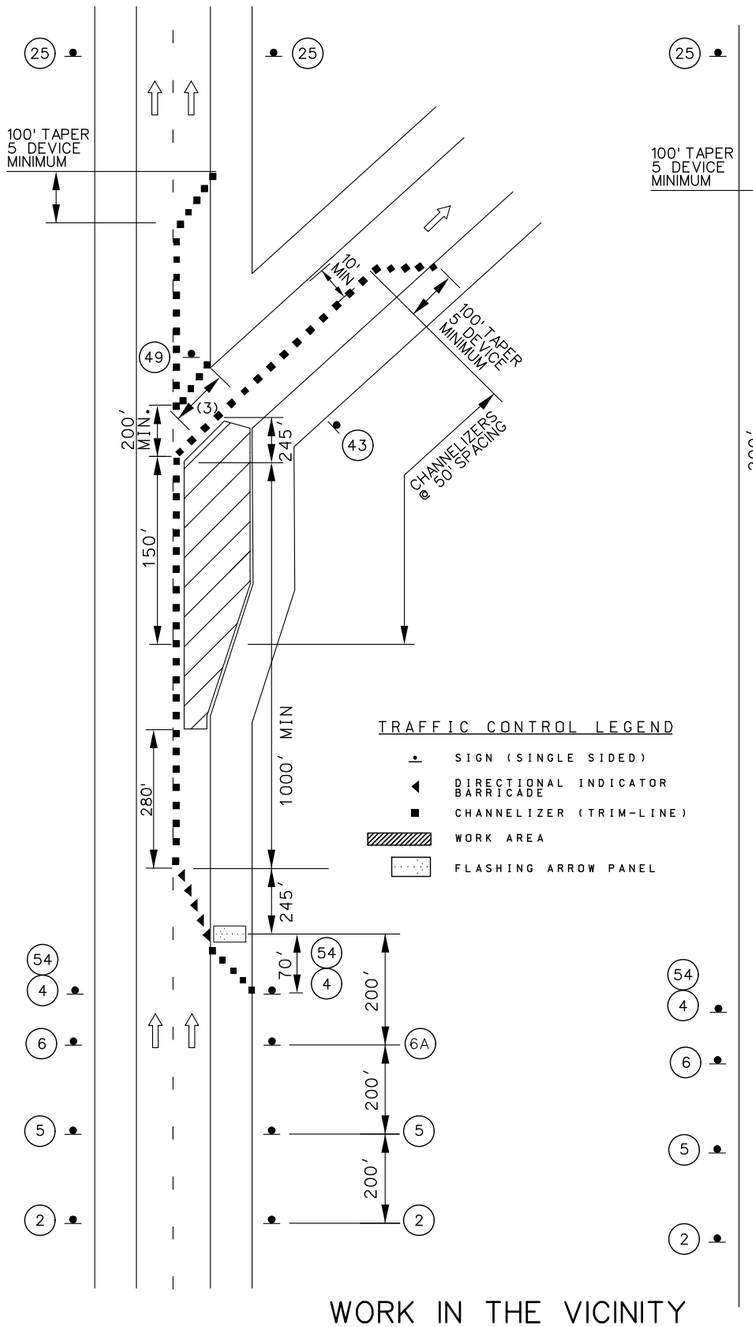
SHEET 32 OF 38
CENTER LINE / LANE LINE STRIPING ON MULTI-LANE UNDIVIDED HIGHWAYS

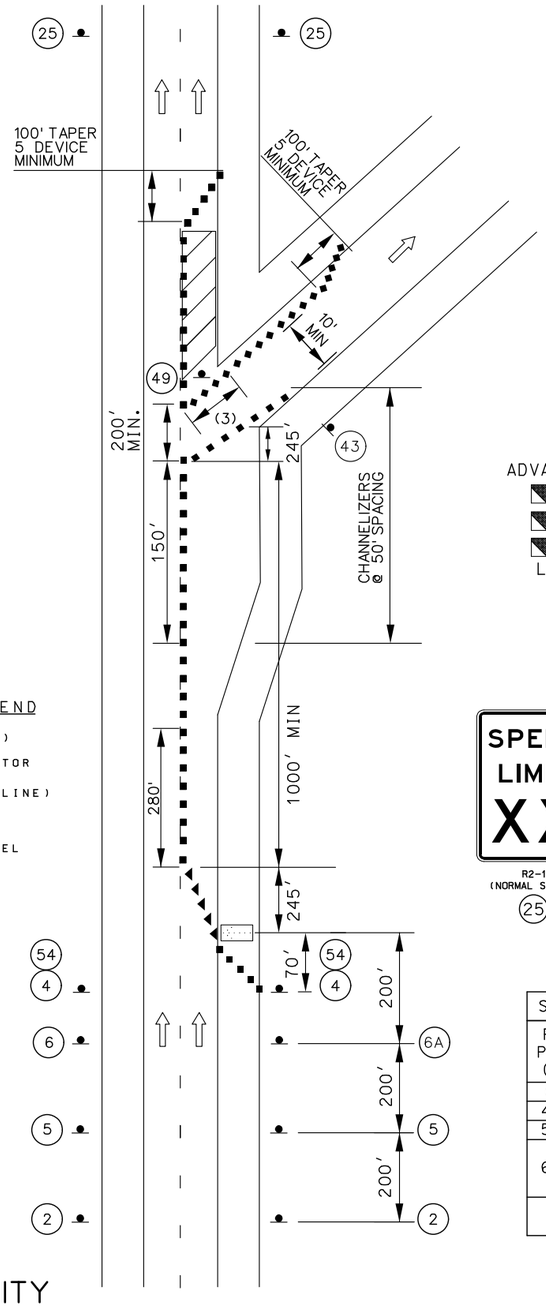
TRAFFIC CONTROL SHEET

MO ROUTE 366
WATSON ROAD



TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- DIRECTIONAL INDICATOR BARRICADE
- CHANNELIZER (TRIM-LINE)
- WORK AREA
- FLASHING ARROW PANEL



WORK IN THE VICINITY OF AN EXIT RAMP

NOT TO SCALE



W04-1a
6A



W020-1
2

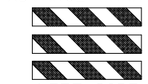


W020-6a
6



W020-5
5

ADVANCE WARNING RAIL SYSTEM



LEFT SIDE OF ROAD



RIGHT SIDE OF ROAD



G020-5aP
54



R2-1
4



W05-1
43



E05-1
49

R2-1
(NORMAL SPEED)
25

NOTES:

REMOVE AND/OR MODIFY ANY EXISTING PAVEMENT MARKING AS NEEDED.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

RAMP NARROWS SIGN IS REQUIRED WHEN RAMP WIDTH IS REDUCED

(3) 5 CHANNELIZER DEVICES MINIMUM

THE ADVANCED WARNING RAIL SYSTEM IS INSTALLED ON THE ACTIVE FIRST OCCURANCE OF THE ROAD WORK AHEAD (W020-1) AND ROAD CLOSED AHEAD (W020-3) SIGNS ON THE MAINLINE ROADWAY.

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	–	200	70	245	280	35	40
40-45	–	500	150	540	400	40	80
50-55	–	1000	185	660	560	50	80
60-70	–	SA-1000 SB-1500 SC-2640	235	840	840	60	120

1 Shoulder taper length based on 10 ft. (standard shoulder width) offset.
2. Lane taper length based on 12 ft. (standard lane width) offset.

SHEET 33 OF 38
WORK IN THE VICINITY
OF AN EXIT RAMP

TRAFFIC CONTROL SHEET

MO ROUTE 366
WATSON ROAD

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07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
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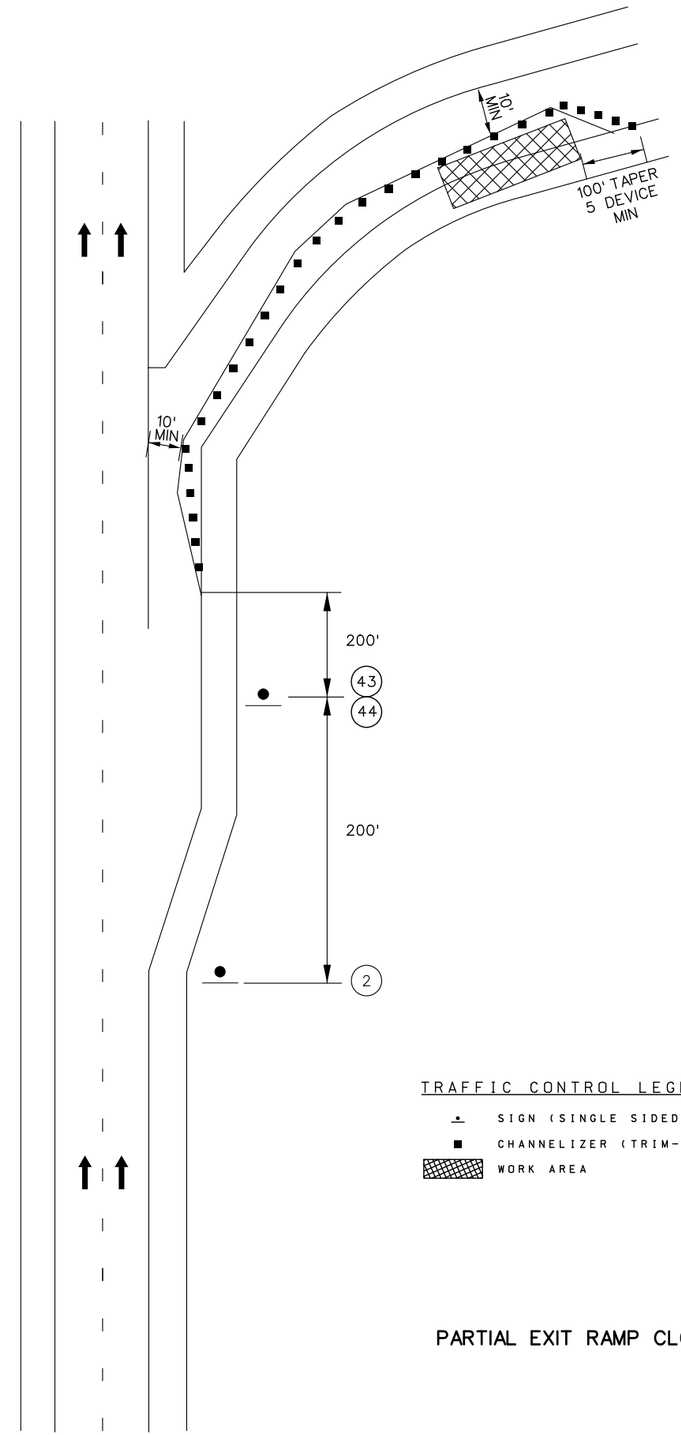

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIM-LINE)
- WORK AREA

NOT TO SCALE





NOTES:

REMOVE AND/OR MODIFY ANY EXISTING PAVEMENT MARKING AS NEEDED.

TEMPORARY PAVEMENT MARKING OPTIONAL FOR SHORT TERM OPERATIONS.

RAMP NARROWS SIGN IS REQUIRED WHEN RAMP WIDTH IS REDUCED

THE ADVANCED WARNING RAIL SYSTEM IS INSTALLED ON THE ACTIVE FIRST OCCURANCE OF THE ROAD WORK AHEAD (W020-1) AND ROAD CLOSED AHEAD (W020-3) SIGNS ON THE MAINLINE ROADWAY.

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	-	200	70	245	280	35	40
40-45	-	500	150	540	400	40	80
50-55	-	1000	185	660	560	50	80
60-70	-	SA-1000 SB-1500 SC-2640	235	840	840	60	120

1 Shoulder taper length based on 10 ft. (standard shoulder width) offset.
2. Lane taper length based on 12 ft. (standard lane width) offset.

PARTIAL EXIT RAMP CLOSURE

SHEET 34 OF 38
LANE CLOSURE WITH A
TWO-WAY LEFT TURN LANE

TRAFFIC CONTROL SHEET

MO ROUTE 366
WATSON ROAD

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07/29/2024
Cassandra McKee Lee - Civil
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366	MO
DISTRICT	SHEET NO.
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COUNTY
ST. LOUIS

JOB NO.
J6S3582

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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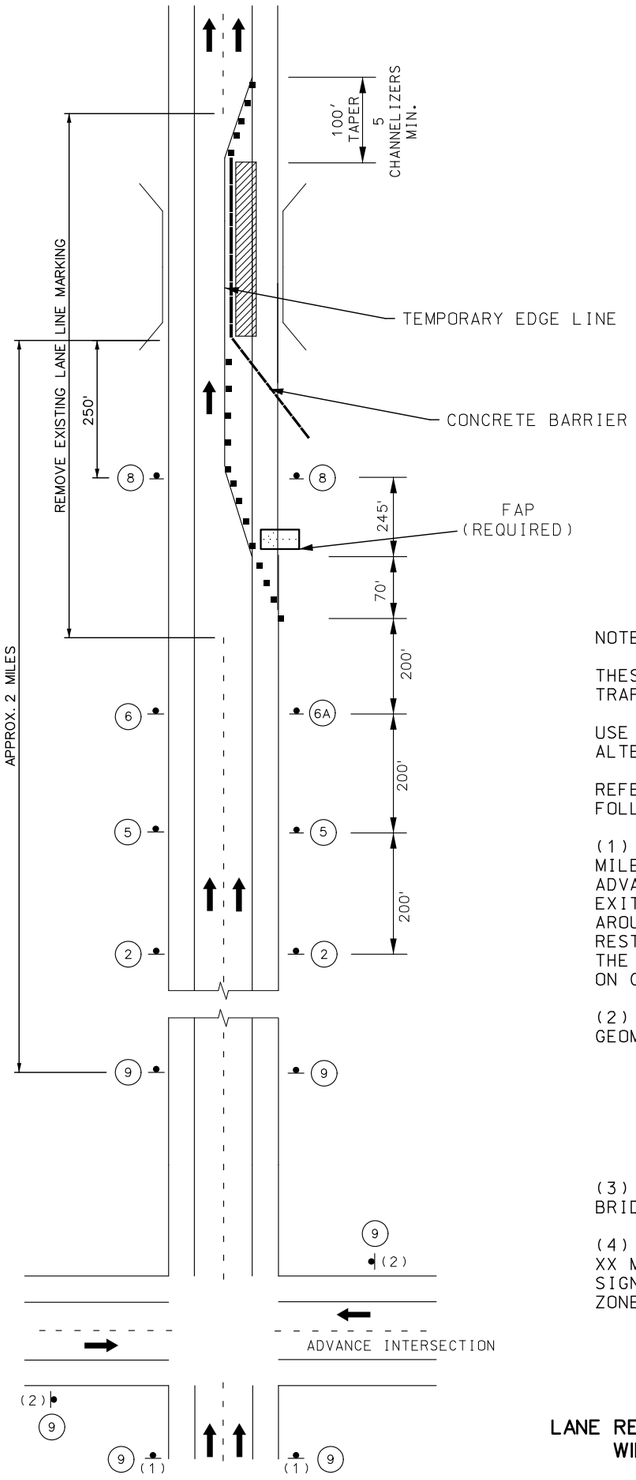


SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		RECOMMENDED	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UNDIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	–	200	70	245	250	35	40
40-45	–	500	150	540	360	40	80
50-55	–	1000	185	660	495	50	80
60-70	–	SA-1000 SB-1500 SC-2640	235	840	730	60	120

1. SHOULDER TAPER LENGTH BASED ON 10 FT. (STANDARD SHOULDER WIDTH) OFFSET.
2. LANE TAPER LENGTH BASED ON 12 FT. (STANDARD LANE WIDTH) OFFSET.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIM-LINE)
- WORK SPACE
- FLASHING ARROW PANEL
- TRUCK MOUNTED ATTENUATOR (TMA)
- TRAFFIC BARRIER

TYPE OF ROADWAY	SIGN HEIGHT MINIMUM	MAXIMUM WORK ZONE LENGTH (L)
URBAN	7' POST	1 MI.
RURAL DIVIDED	7' POST	2 MI.
VEHICLE	48 INCHES RECOMMENDED	–

NOTE:

THESE SIGNS MAY BE COMBINED WITH OTHER TRAFFIC CONTROL.

USE A CHANGEABLE MESSAGE SIGN (CMS) AND/OR ALTERNATE ROUTE SIGNING, IF AVAILABLE.

REFER TO FIGURE FOR PLACEMENT OF THE FOLLOWING:

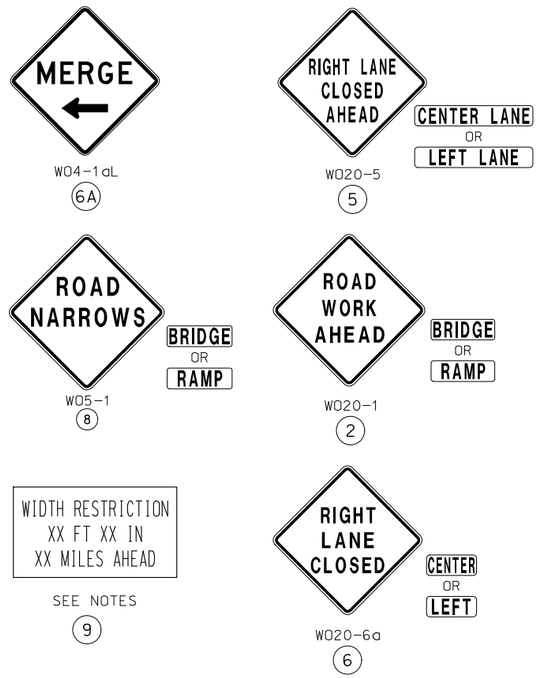
(1) INSTALL A WIDTH CLEARANCE XX FT XX IN XX MILES AHEAD SIGN A MINIMUM OF 1000 FEET IN ADVANCE OF THE LAST INTERSECTION, INTERCHANGE EXIT RAMP, OR POINT WHERE A DETOUR OR TURN AROUND IS PROVIDED BEFORE THE CLEARANCE RESTRICTION WHEN AN EXIT IS UNAVAILABLE AT THE WORK LOCATION. SIGN PLACEMENT MAY DEPEND ON GEOMETRY AND LOCATION OF EXISTING SIGNS.

(2) THE BELOW SIGN MAY BE MODIFIED BASED ON GEOMETRICS.

WIDTH RESTRICTION
XX FT XX IN
XX MILES AHEAD

(3) PLACE NO MORE THAN 1000 FEET FROM THE BRIDGE OR EXIT RAMP.

(4) LOCATION OF WIDTH CLEARANCE XX FT XX IN XX MILES AHEAD SIGN AND DISTANCE INDICATED ON SIGN TO BE DETERMINED BY ENGINEER OR WORK ZONE SPECIALIST.



LANE RESTRICTION ON DIVIDED HIGHWAYS
WIDTH CLEARANCE AT BRIDGE

SHEET 35 OF 38
LANE RESTRICTION ON
DIVIDED HIGHWAYS
WIDTH CLEARANCE AT BRIDGE

TRAFFIC CONTROL SHEET

MO ROUTE 366
WATSON ROAD

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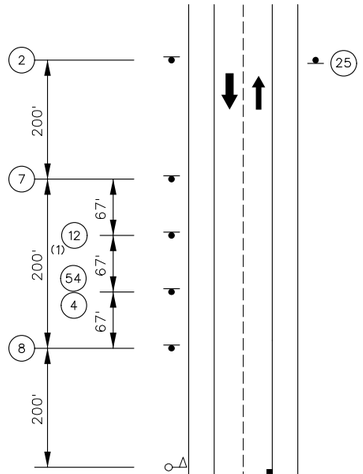
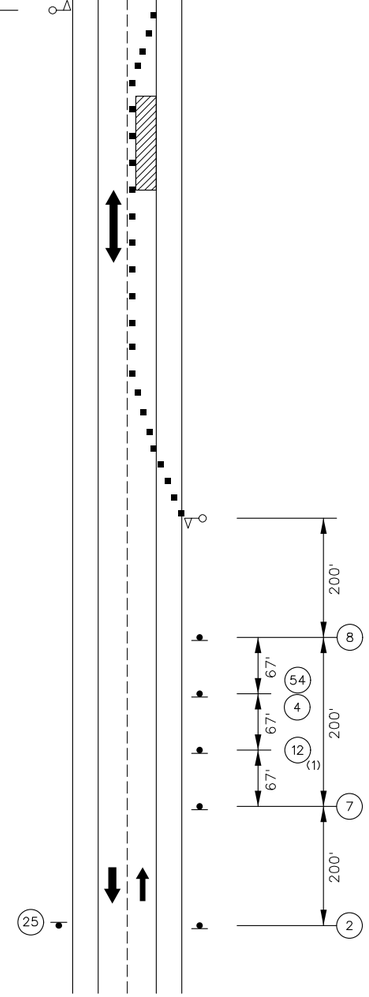




NOT TO SCALE

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		RECOMMENDED	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UNDIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	200	-	THIS TYPICAL APPLICATION PROVIDES GUIDELINES FOR THE SEQUENCING AND LOCATION OF THE WORK ZONE SPEED LIMIT SIGNS. REVIEW APPROPRIATE TYPICAL APPLICATIONS FOR SIGNS, SIGN SPACING, TAPER LENGTH, BUFFER LENGTH, CHANNELIZER SPACING, TMA'S, CHANNELIZERS, FLAGS, RUMBLE STRIPS, LIGHTS, AWRS, ETC.				
40-45	350	-					
50-55	500	-					
60-70	1000	-					

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIM-LINE)
- WORK SPACE
- FLASHING ARROW PANEL
- TRUCK MOUNTED ATTENUATOR (TMA)
- FLAGGER

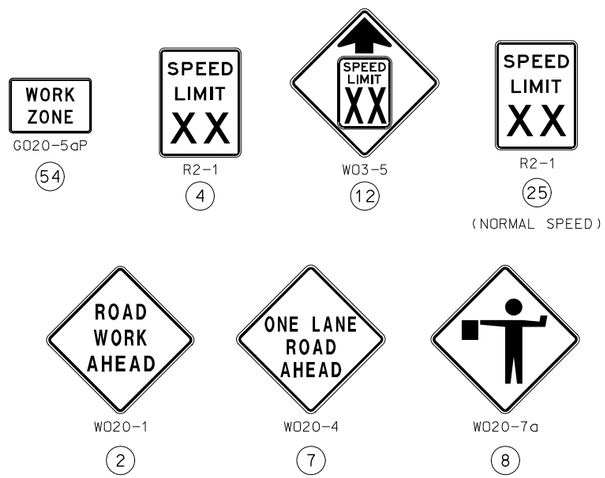
NOTES:

THIS TYPICAL APPLICATION MAY BE APPROPRIATE FOR AUTOMATED FLAGGER ASSISTANCE DEVICES (AFAD), PORTABLE SIGNAL FLAGGING DEVICES (PSFD), AND TRAFFIC CONTROL SIGNALS.

(1) W03-5 (SPEED LIMIT XX AHEAD) THIS SIGN IS USED WHEN THE APPROVED SPEED REDUCTION FOR AN IMMEDIATE LOCATION IS GREATER THAN 10 MPH BELOW THE EXISTING OR POSTED SPEED LIMIT.

REDUCED SPEED LIMIT SIGNING SHALL BE REMOVED, COVERED, OR TURNED FROM TRAFFIC WHEN CONDITIONS REQUIRING THE REDUCED SPEED NO LONGER EXIST.

SPEED LIMIT SIGNS INDICATING THE NORMAL SPEED LIMIT SHOULD BE INSTALLED AT THE END OF THE REDUCED AREA PROVIDED NO OTHER REDUCTION IS IMPOSED WITHIN THE NEXT ONE-HALF MILE OR NO EXISTING SPEED LIMIT SIGN IS LOCATED WITHIN THE NEXT ONE-HALF MILE.



SHEET 36 OF 38
WORK ZONE SPEED LIMIT
LOCATION WITHIN A LANE
CLOSURE ON TWO-LANE ROAD
USING FLAGGERS

TRAFFIC CONTROL SHEET

MO ROUTE 366
WATSON ROAD

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	282

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE	REV.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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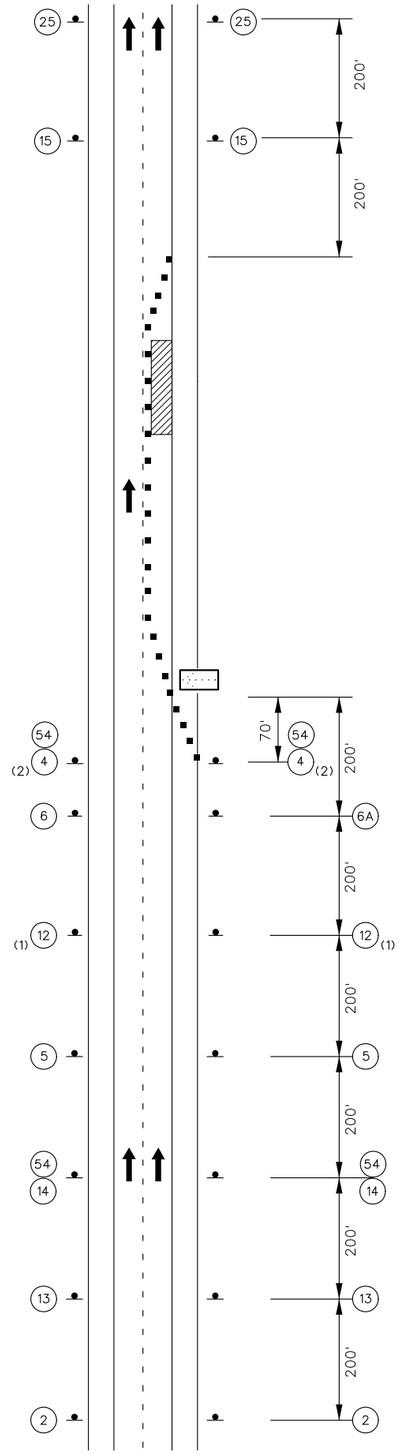

NOT TO SCALE

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		RECOMMENDED	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UNDIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	200	200	THIS TYPICAL APPLICATION PROVIDES GUIDELINES FOR THE SEQUENCING AND LOCATION OF THE WORK ZONE SPEED LIMIT SIGNS. REVIEW APPROPRIATE TYPICAL APPLICATIONS FOR SIGNS, SIGN SPACING, TAPER LENGTH, BUFFER LENGTH, CHANNELIZER SPACING, TMA'S, CHANNELIZERS, FLAGS, RUMBLE STRIPS, LIGHTS, AWRS, ETC.				
40-45	350	500					
50-55	500	1000					
60-70	1000	SA-1000 SB-1500 SC-2640					

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIM-LINE)
- WORK SPACE
- FLASHING ARROW PANEL
- TRUCK MOUNTED ATTENUATOR (TMA)

NOTES:

THIS TYPICAL APPPLICATION MAY BE APPROPRIATE FOR SINGLE LOCATION WORK, PER EXAMPLE, BRIDGE WORK, CULVERT REPAIR, LOCALIZED PAVEMENT REPAIR.

THIS TYPICAL APPLICATION MAY BE APPROPRIATE FOR WORK ZONE THAT MAY REQUIRE A DECREASE SPEED THROUGHOUT THE ENTIRE WORK ZONE, PER EXAMPLE, HEAD-TO-HEAD OR MULTILANE APPLICATIONS.

(1) W03-5 (SPEED LIMIT XX AHEAD). THIS SIGN IS USED ONLY WHEN THE APPROVED SPEED REDUCTION FOR AN IMMEDIATE LOCATION IS GREATER THAN 10 MPH BELOW THE EXISTING OR POSTED SPEED LIMIT.

(2) THE SPEED LIMIT SIGN MAY BE MOVED UPSTREAM, IF THE DISTRICT DEEMS THE WORK ZONE REQUIRES ADVANCE SPEED LIMIT NOTIFICATION.

FOR UNDIVIDED ROADWAYS, PROVIDE SIGNS ONLY ON THE RIGHT SIDE OF EACH DIRECTION.

REDUCED SPEED LIMIT SIGNING SHALL BE REMOVED, COVERED, OR TURNED FROM TRAFFIC WHEN CONDITIONS REQUIRING THE REDUCED SPEED NO LONGER EXIST.

SPEED LIMIT SIGNS INDICATING THE NORMAL SPEED LIMIT SHOULD BE INSTALLED AT THE END OF THE REDUCED AREA PROVIDED NO OTHER REDUCTION IS IMPOSED WITHIN THE NEXT ONE-HALF MILE OR NO EXISTING SPEED LIMIT SIGN IS LOCATED WITHIN THE NEXT ONE-HALF MILE.



W020-1 (2)



W020-5 (5)



W020-6a (6)



W04-1aL (6A)



R2-1 (25)
(NORMAL SPEED)



G020-5aP (54)



R2-1 (4)



W03-5 (12)



CONST-3A (13)



R4-1 (14)



R4-2 (15)

SHEET 37 OF 38
WORK ZONE "FINE SIGN AND SPEED LIMIT" LOCATIONS WITHIN THE ADVANCE WARNING AREA

TRAFFIC CONTROL SHEET

MO ROUTE 366
WATSON ROAD

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07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	283

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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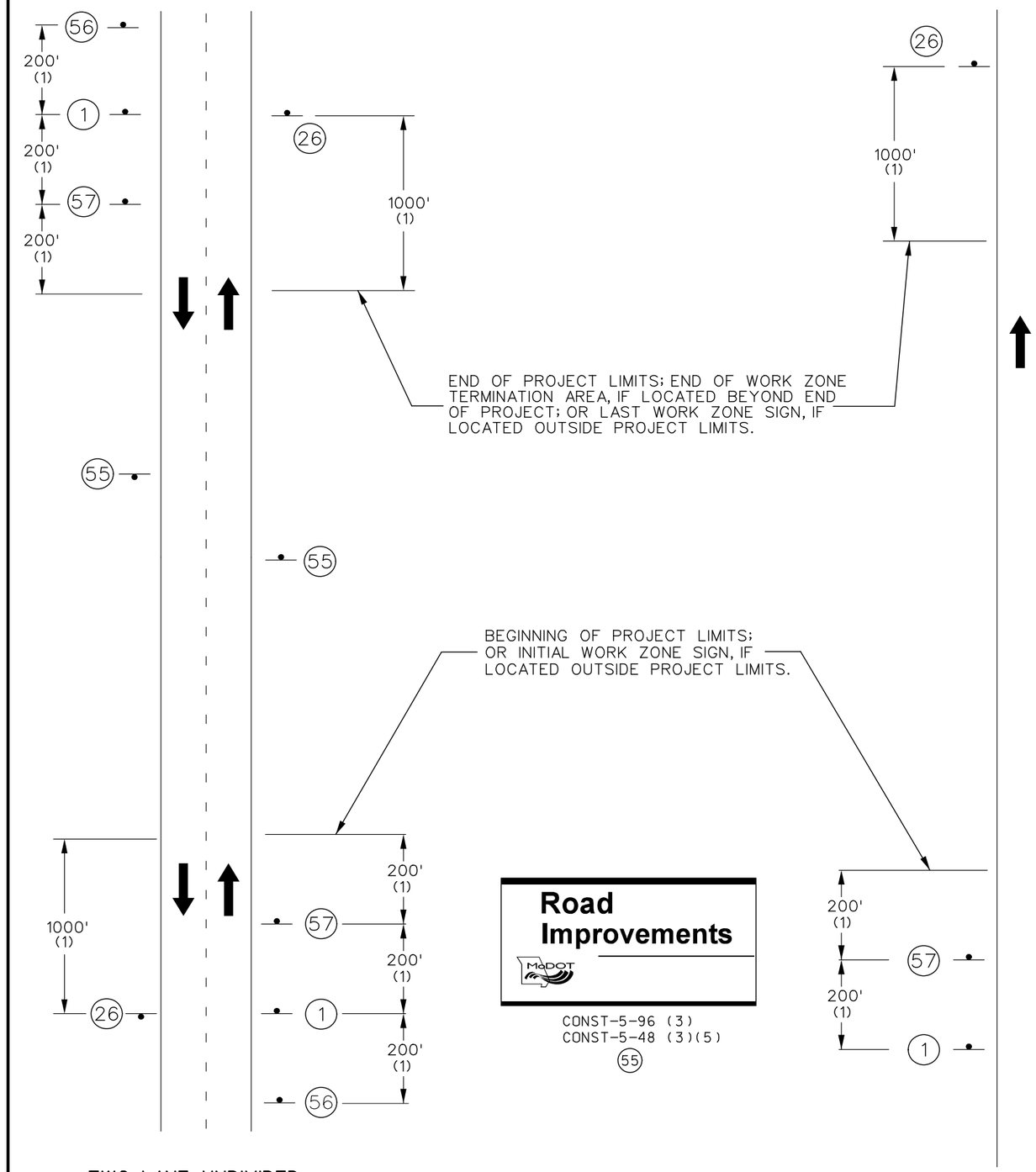

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NOTES:
SIGN GO20-1 IS REQUIRED.

SIGN GO20-2 IS USED ON ALL PROJECTS WHERE SIGN GO20-1 IS USED.

OTHER SIGNS SUCH AS DETOUR OR ALTERNATE ROUTE SIGNING MAY BE USED OUTSIDE THE PROJECT LIMITS.

ANY EXISTING SIGNING THAT CONFLICTS WITH THE TRAFFIC CONTROL SIGNING SHALL BE COMPLETELY COVERED OR REMOVED.

(1) DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS. WHERE TRAFFIC BACKUPS ARE EXPECTED BEYOND THE ADVANCE WARNING AREA, ADDITIONAL SIGNING MAY BE NEEDED.

(2) SIGN CONST-7-72 OR CONST-7-48 IS PLACED 500 FEET BEFORE THE BEGINNING OF PROJECT LIMITS OR THE ROAD WORK AHEAD SIGN OR ROAD WORK NEXT XX MILES SIGN. IF USED, WHEN THESE SIGNS ARE LOCATED OUTSIDE THE PROJECT LIMITS.

(3) CONST-5-96 OR CONST-5-48 SIGN IS PLACED IN A VISIBLE AREA WITHIN THE PROJECT LIMITS PROVIDED ITS PLACEMENT DOES NOT DISRUPT A SEQUENCE OF SIGNS. IF A VISIBLE LOCATION WITHIN THE PROJECT IS NOT AVAILABLE, THE SIGN MAY BE PLACED 500 FEET BEFORE SIGN CONST-7-72 OR CONST-7-48.

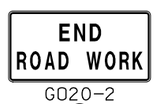
(4) THE "RATE OUR WORK ZONE" SIGN IS AVAILABLE IN TWO SIZES DEPENDING ON ROADWAY CONDITIONS. THE 48 IN. X 24 IN. SIGN IS USED ON LOW VOLUME ROUTES THAT CARRY 400 AADT OR LESS, ON PROJECTS THAT HAVE A DURATION OF 4 WEEKS OR LESS OR IN URBAN AREAS WHERE THERE IS INSUFFICIENT LIGHTS OF WAY FOR A SIX FOOT WIDE SIGN. THE 72 IN. X 36 IN. VERSION OF THE SIGN IS USED IN ALL OTHER APPLICATIONS, BUT CAN ALSO BE USED IN PLACE OF THE 48 IN. x 24 IN. SIGN IF ADDED EMPHASIS IS DEEMED NECESSARY.

(5) THE "POINT OF PRESENCE" SIGN IS AVAILABLE IN TWO SIZES DEPENDING ON ROADWAY CONDITIONS. THE 48 IN. X 36 IN. SIGN IS USED ON LOW VOLUME ROUTES THAT CARRY 400 AADT OR LESS, ON PROJECTS THAT HAVE A DURATION OF 4 WEEKS OR LESS OR IN URBAN AREAS WHERE THERE IS INSUFFICIENT RIGHTS OF WAY FOR AN EIGHT FOOT WIDE SIGN. THE 96 IN. X 48 IN. VERSION OF THE SIGN IS USED IN ALL OTHER APPLICATIONS, BUT CAN ALSO BE USED IN PLACE OF THE 48 IN. x 36 IN. SIGN IF ADDED EMPHASIS IS DEEMED NECESSARY.

(6) THE "WORK ZONE NO PHONE ZONE" SIGN IS PLACED A MINIMUM OF 500 FEET BEFORE THE ROAD WORK AHEAD SIGN.



GO20-1
(1)



GO20-2
(26)



SPECIAL (6)
(57)

SHEET 38 OF 38
BEGIN/ENG PROJECT SIGNING

TRAFFIC CONTROL SHEET

MO ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	284

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

REV.	DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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SCALE

0 40 80 120

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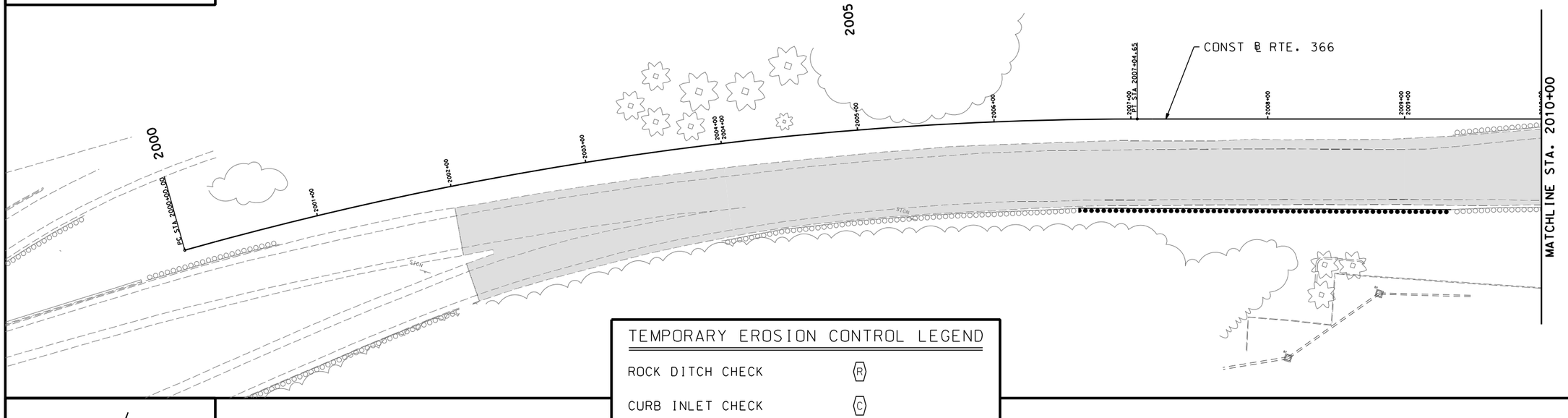
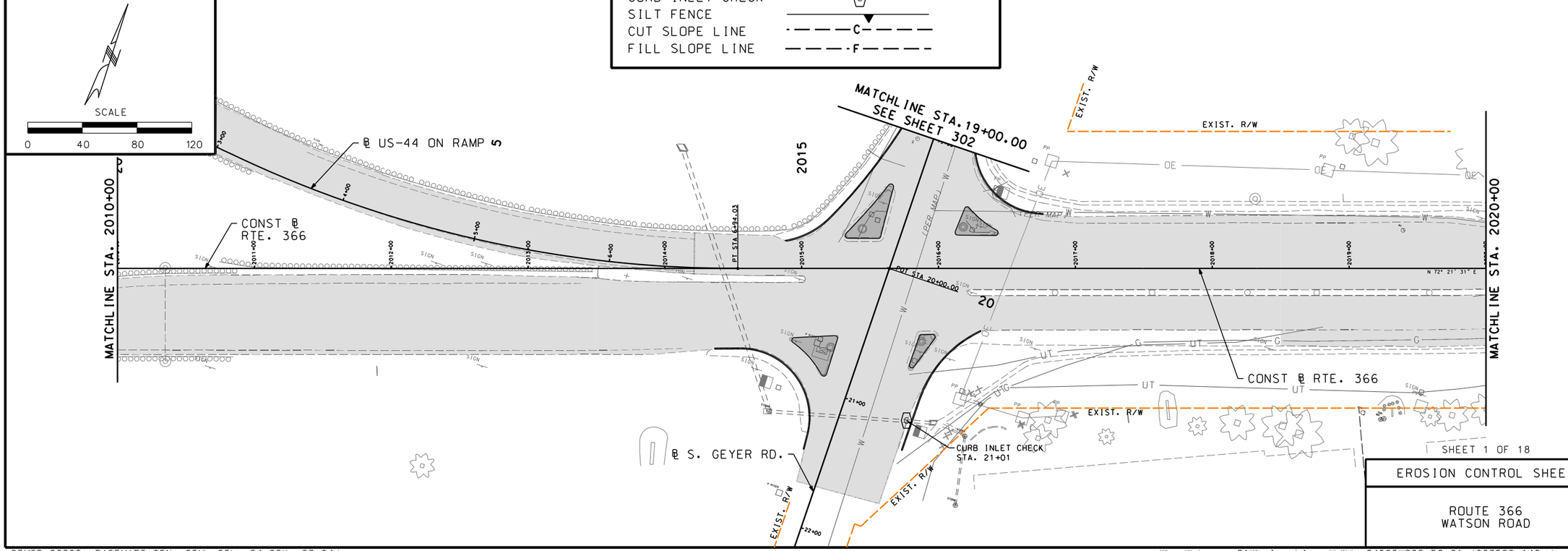


TEMPORARY EROSION CONTROL LEGEND

ROCK DITCH CHECK	(R)
CURB INLET CHECK	(C)
SILT FENCE	
CUT SLOPE LINE	C
FILL SLOPE LINE	F

SCALE

0 40 80 120



SHEET 1 OF 18

EROSION CONTROL SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

07/29/2024 8:10:10 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	285

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

SCALE

0 40 80 120

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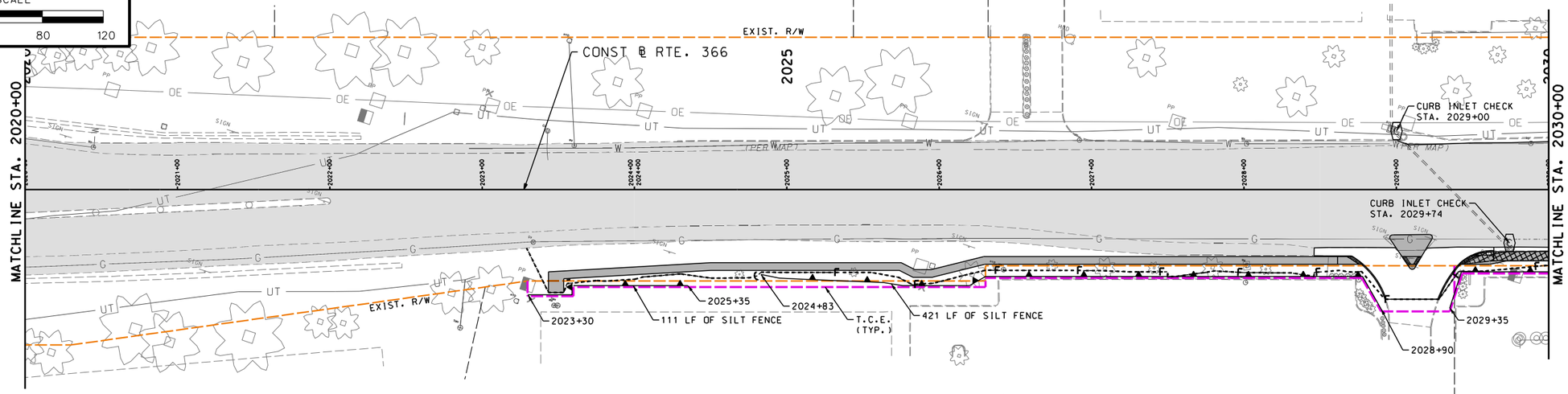
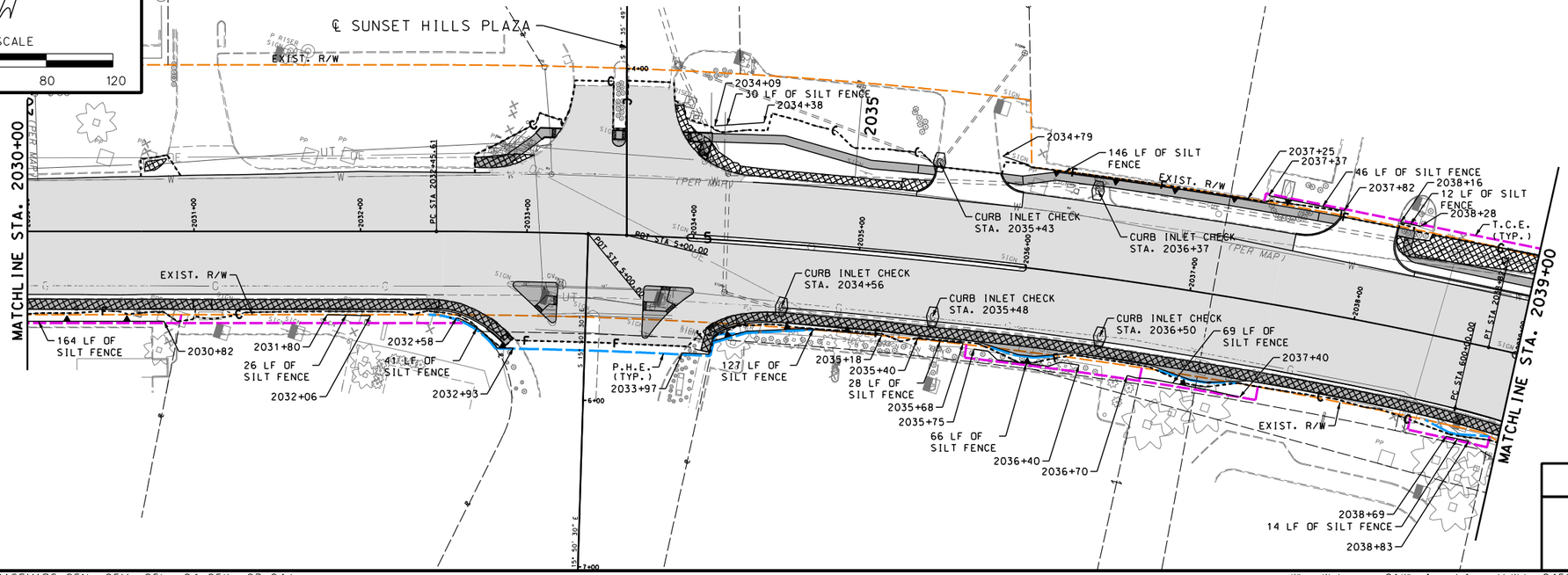


TEMPORARY EROSION CONTROL LEGEND

ROCK DITCH CHECK	(R)
CURB INLET CHECK	(C)
SILT FENCE	
CUT SLOPE LINE	·——C——·
FILL SLOPE LINE	·——F——·

SCALE

0 40 80 120



SHEET 2 OF 18

EROSION CONTROL SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
PROFESSIONAL ENGINEER
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
09/05/2024 6:46:05 PM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DATE PREPARED	
7/26/2024	
MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	286
COUNTY	
ST. LOUIS	
JOB NO.	
J6S3582	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION	REV.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SCALE

0 40 80 120

TEMPORARY EROSION CONTROL LEGEND

ROCK DITCH CHECK (R)

CURB INLET CHECK (C)

SILT FENCE

CUT SLOPE LINE -C-

FILL SLOPE LINE -F-

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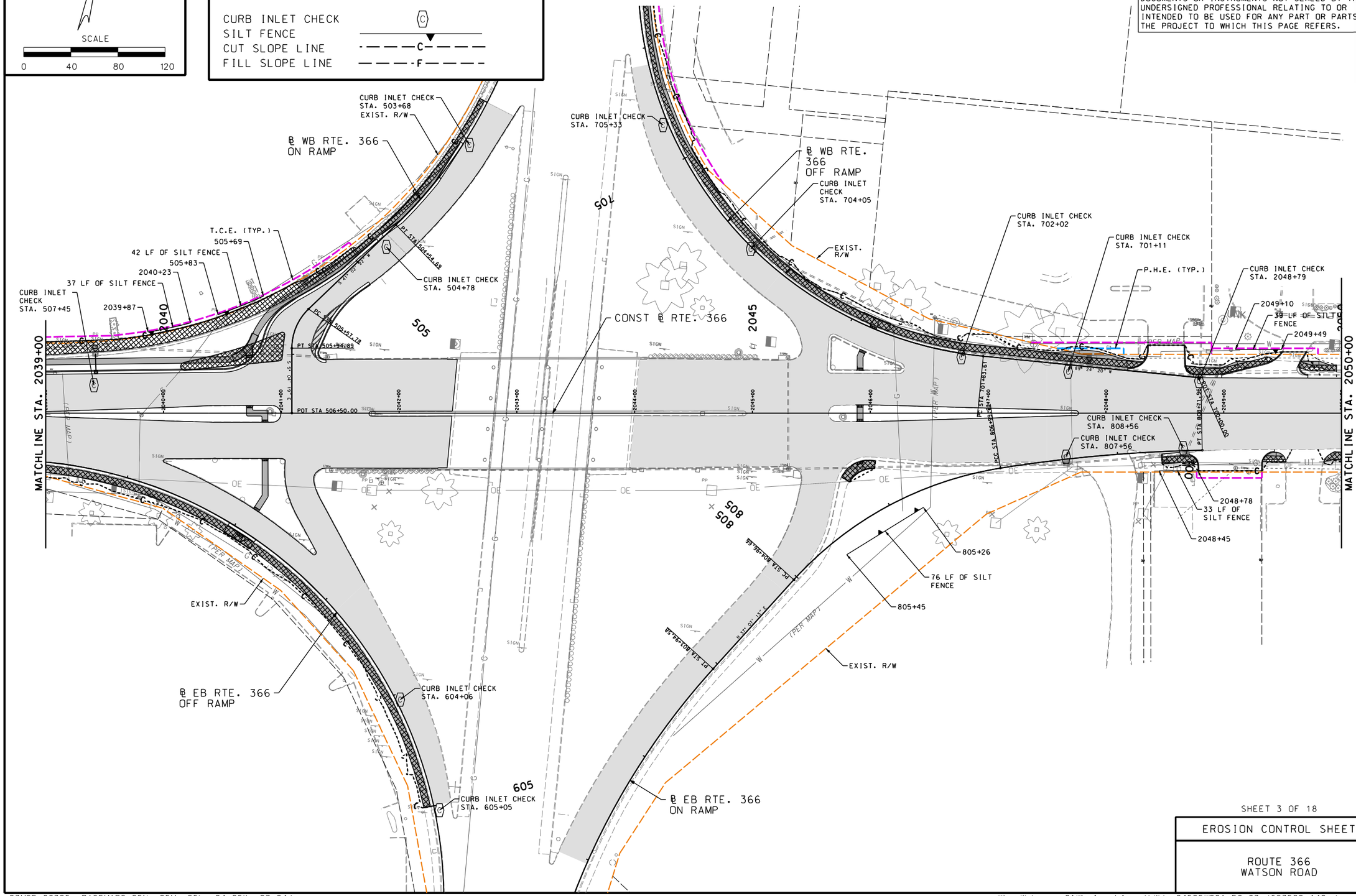

SHEET 3 OF 18

EROSION CONTROL SHEET

ROUTE 366
WATSON ROAD

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
07/29/2024 8:10:11 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED 7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	287

COUNTY: ST. LOUIS

JOB NO.: J6S3582

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.:

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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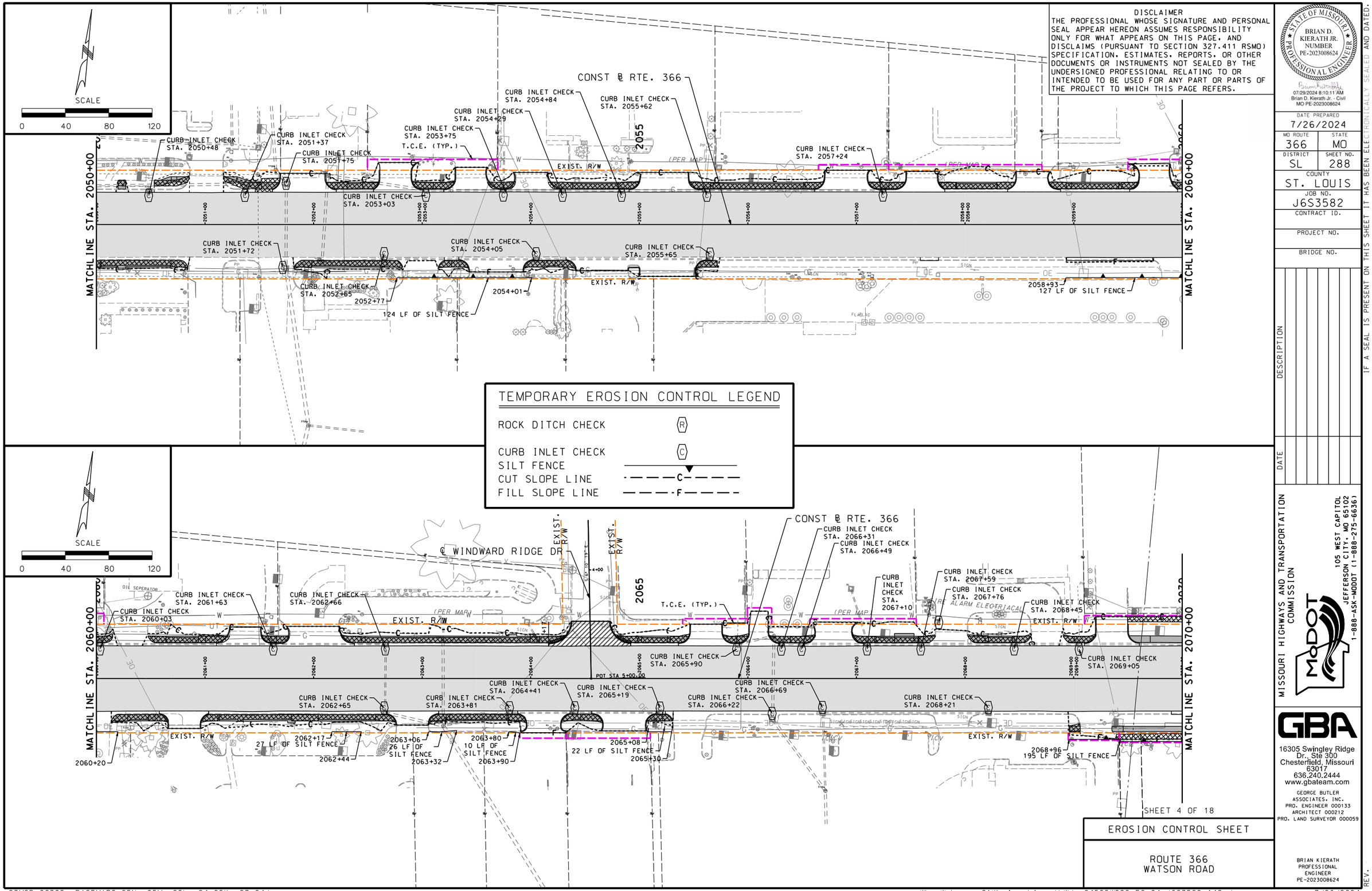
SCALE
0 40 80 120
CONST ℄ RTE. 366
MATCHLINE STA. 2050+00
MATCHLINE STA. 2060+00
CURB INLET CHECK STA. 2050+48
CURB INLET CHECK STA. 2051+37
CURB INLET CHECK STA. 2051+75
CURB INLET CHECK STA. 2053+03
CURB INLET CHECK STA. 2053+75
T.C.E. (TYP.)
CURB INLET CHECK STA. 2054+29
CURB INLET CHECK STA. 2054+84
CURB INLET CHECK STA. 2055+62
CURB INLET CHECK STA. 2057+24
EXIST. R/W
(PER MAP)
2055
CURB INLET CHECK STA. 2051+72
CURB INLET CHECK STA. 2052+65
2052+77
124 LF OF SILT FENCE
CURB INLET CHECK STA. 2054+05
2054+01
CURB INLET CHECK STA. 2055+65
2058+93
127 LF OF SILT FENCE
SIGN
FLARE
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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
07/29/2024 8:10:11 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624
DATE PREPARED
7/26/2024
MO ROUTE 366
STATE MO
DISTRICT SL
SHEET NO. 288
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.
DESCRIPTION
DATE
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.
TEMPORARY EROSION CONTROL LEGEND
ROCK DITCH CHECK (R)
CURB INLET CHECK (C)
SILT FENCE
CUT SLOPE LINE -C-
FILL SLOPE LINE -F-
SCALE
0 40 80 120
℄ WINDWARD RIDGE DR
EXIST. R/W
CONST ℄ RTE. 366
MATCHLINE STA. 2060+00
MATCHLINE STA. 2070+00
CURB INLET CHECK STA. 2060+03
CURB INLET CHECK STA. 2061+63
CURB INLET CHECK STA. 2062+66
2065
T.C.E. (TYP.)
CURB INLET CHECK STA. 2065+90
POT STA 5+00.00
CURB INLET CHECK STA. 2066+31
CURB INLET CHECK STA. 2066+49
CURB INLET CHECK STA. 2067+10
CURB INLET CHECK STA. 2067+59
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CURB INLET CHECK STA. 2068+45
CURB INLET CHECK STA. 2069+05
CURB INLET CHECK STA. 2062+65
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CURB INLET CHECK STA. 2064+41
CURB INLET CHECK STA. 2065+19
CURB INLET CHECK STA. 2066+22
CURB INLET CHECK STA. 2066+69
CURB INLET CHECK STA. 2068+21
2060+20
2062+44
27 LF OF SILT FENCE
2062+17
2063+32
26 LF OF SILT FENCE
2063+06
2063+90
10 LF OF SILT FENCE
2063+80
2065+30
22 LF OF SILT FENCE
2065+08
2068+96
195 LF OF SILT FENCE
OIL SEPERATOR
FIRE ALARM ELECTRICAL
SIGN
(PER MAP)
SHEET 4 OF 18
EROSION CONTROL SHEET
ROUTE 366
WATSON ROAD
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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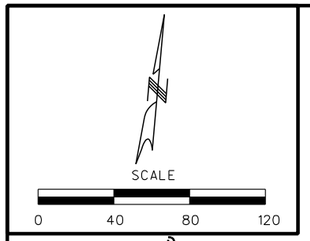
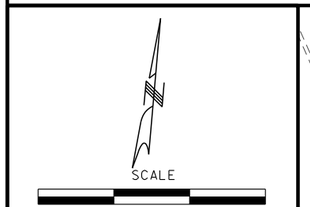
BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624
REV.



TEMPORARY EROSION CONTROL LEGEND

ROCK DITCH CHECK	(R)
CURB INLET CHECK	(C)
SILT FENCE	
CUT SLOPE LINE	C
FILL SLOPE LINE	F



SHEET 5 OF 18

EROSION CONTROL SHEET

ROUTE 366
WATSON ROAD

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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
07/29/2024 8:10:12 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	289

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

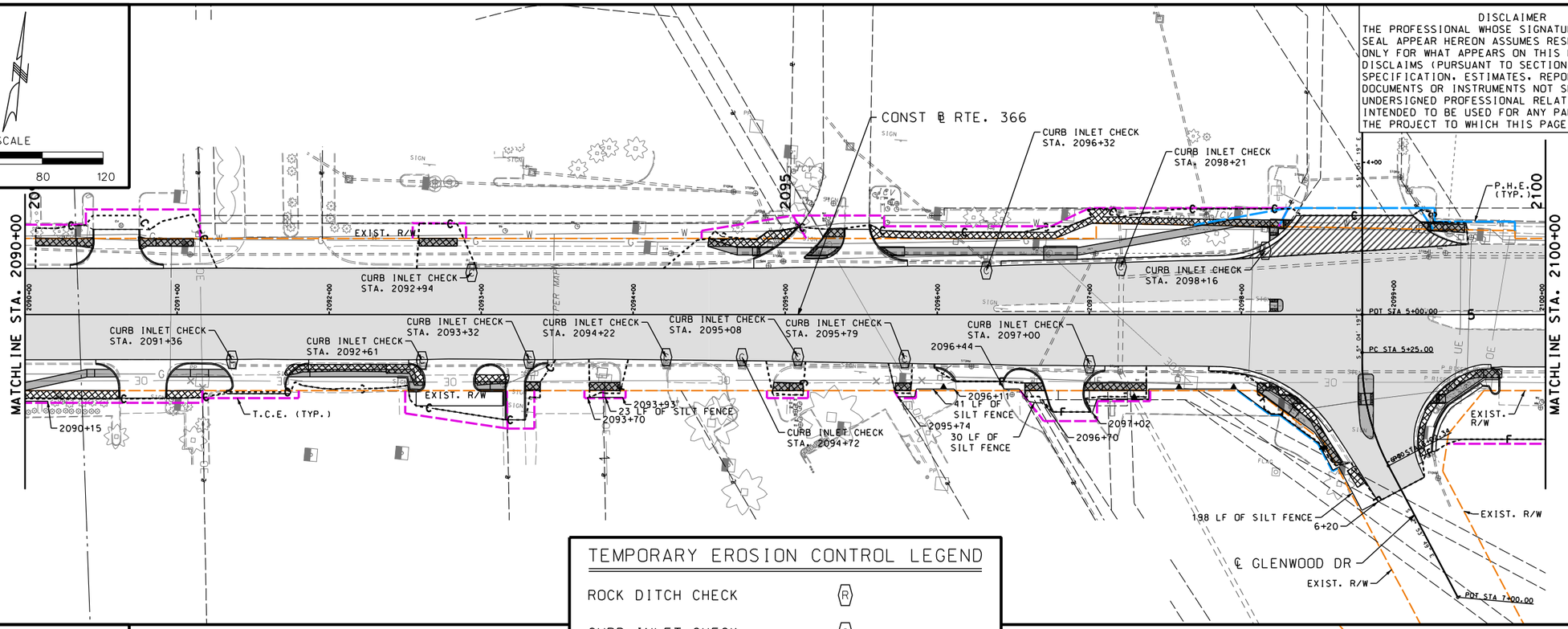
GBA
16305 Swingley Ridge Dr., Ste 300
Chesterfield, Missouri 63017
636.240.2444
www.gbateam.com
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

SCALE

0 40 80 120



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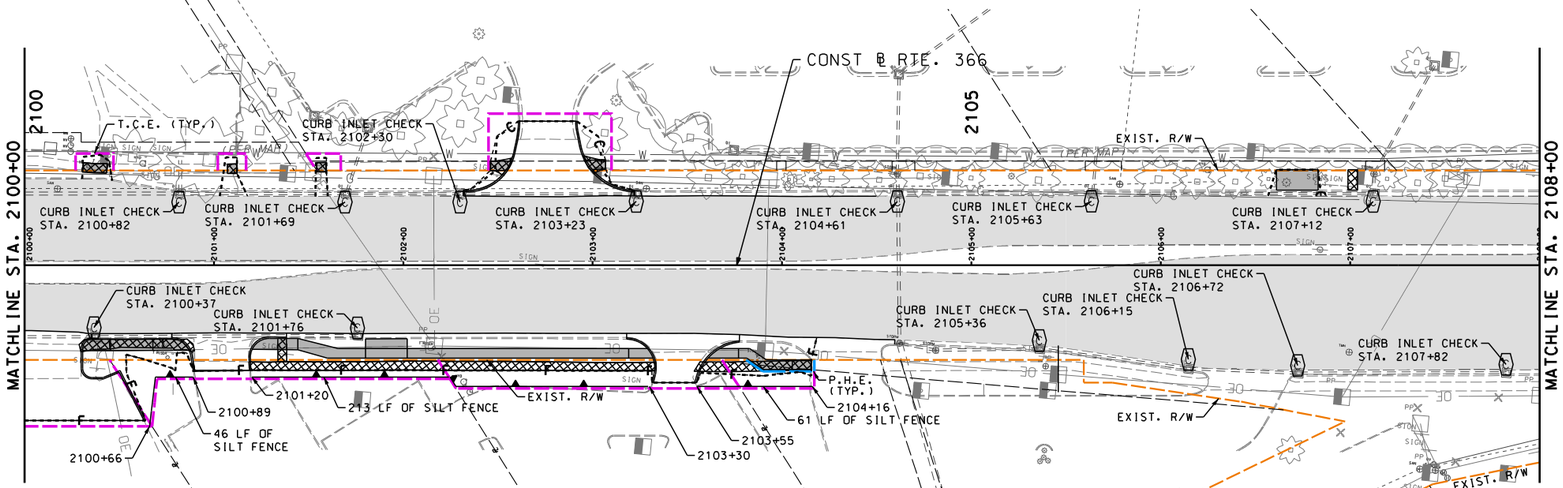
TEMPORARY EROSION CONTROL LEGEND

ROCK DITCH CHECK	(R)
CURB INLET CHECK	(C)
SILT FENCE	
CUT SLOPE LINE	·——C——·
FILL SLOPE LINE	——·F·——

SCALE

0 40 80 120



SHEET 6 OF 18

EROSION CONTROL SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

07/29/2024 8:10:12 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	290

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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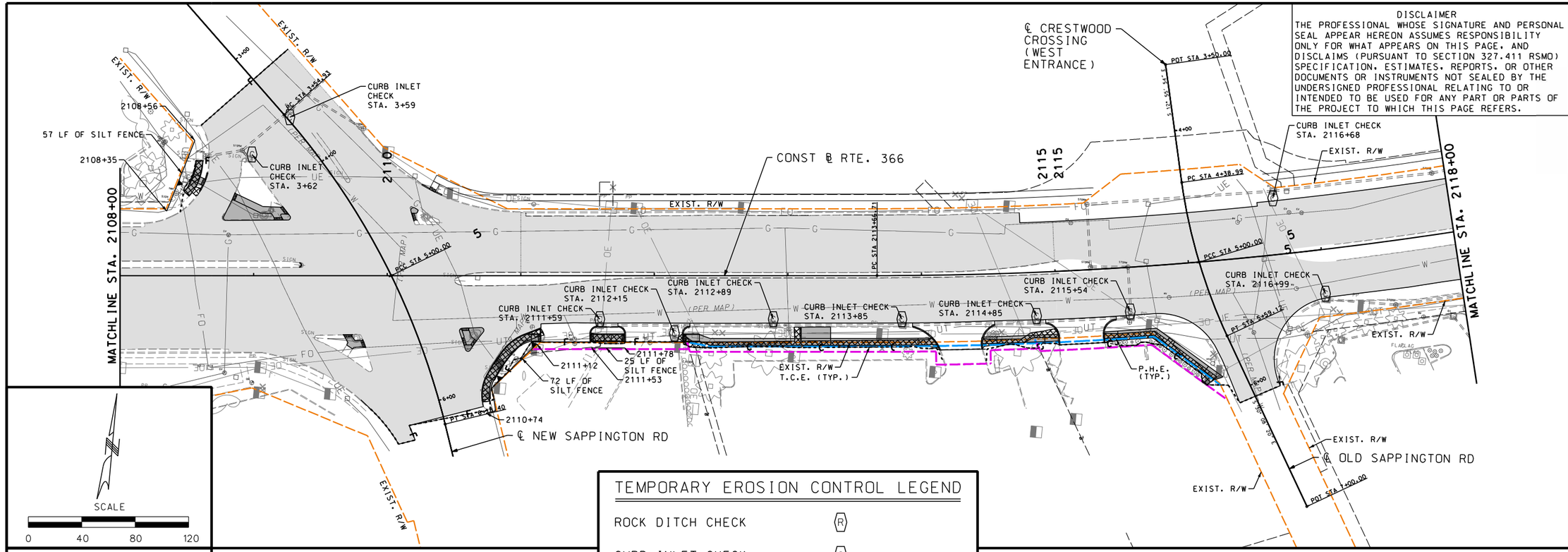
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

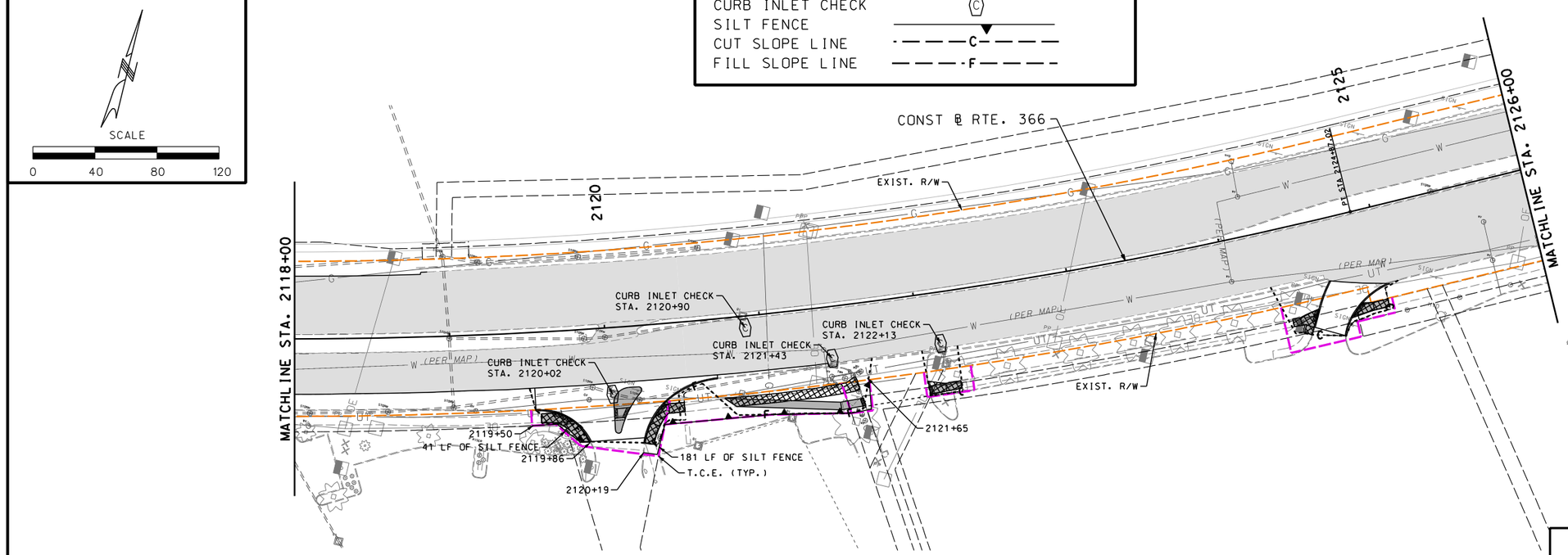
BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.



TEMPORARY EROSION CONTROL LEGEND

ROCK DITCH CHECK	(R)
CURB INLET CHECK	(C)
SILT FENCE	
CUT SLOPE LINE	C
FILL SLOPE LINE	F



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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
07/29/2024 8:10:13 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	291

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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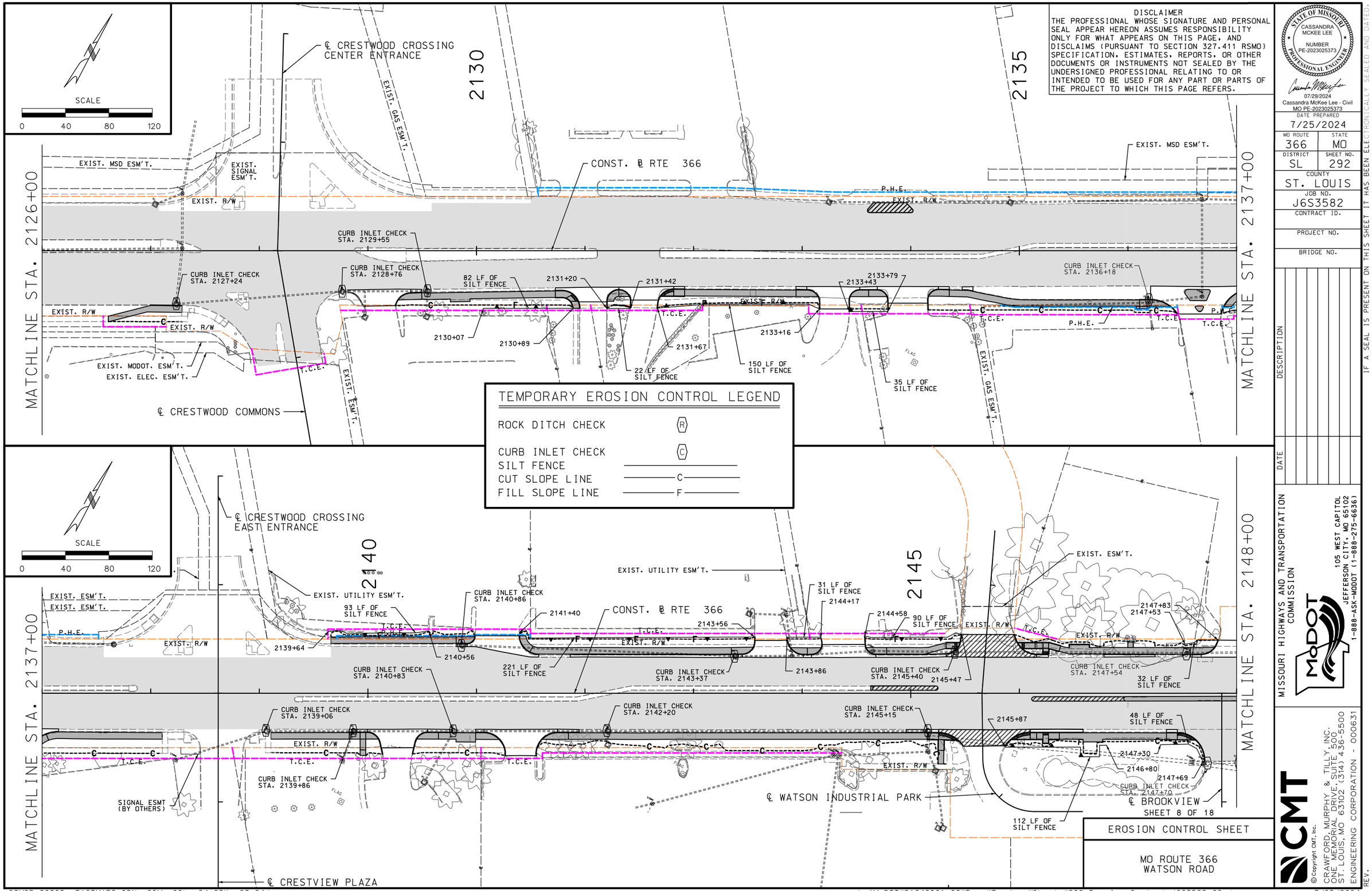
BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

SHEET 7 OF 18

EROSION CONTROL SHEET

ROUTE 366
WATSON ROAD



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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	292

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DATE	DESCRIPTION	REV.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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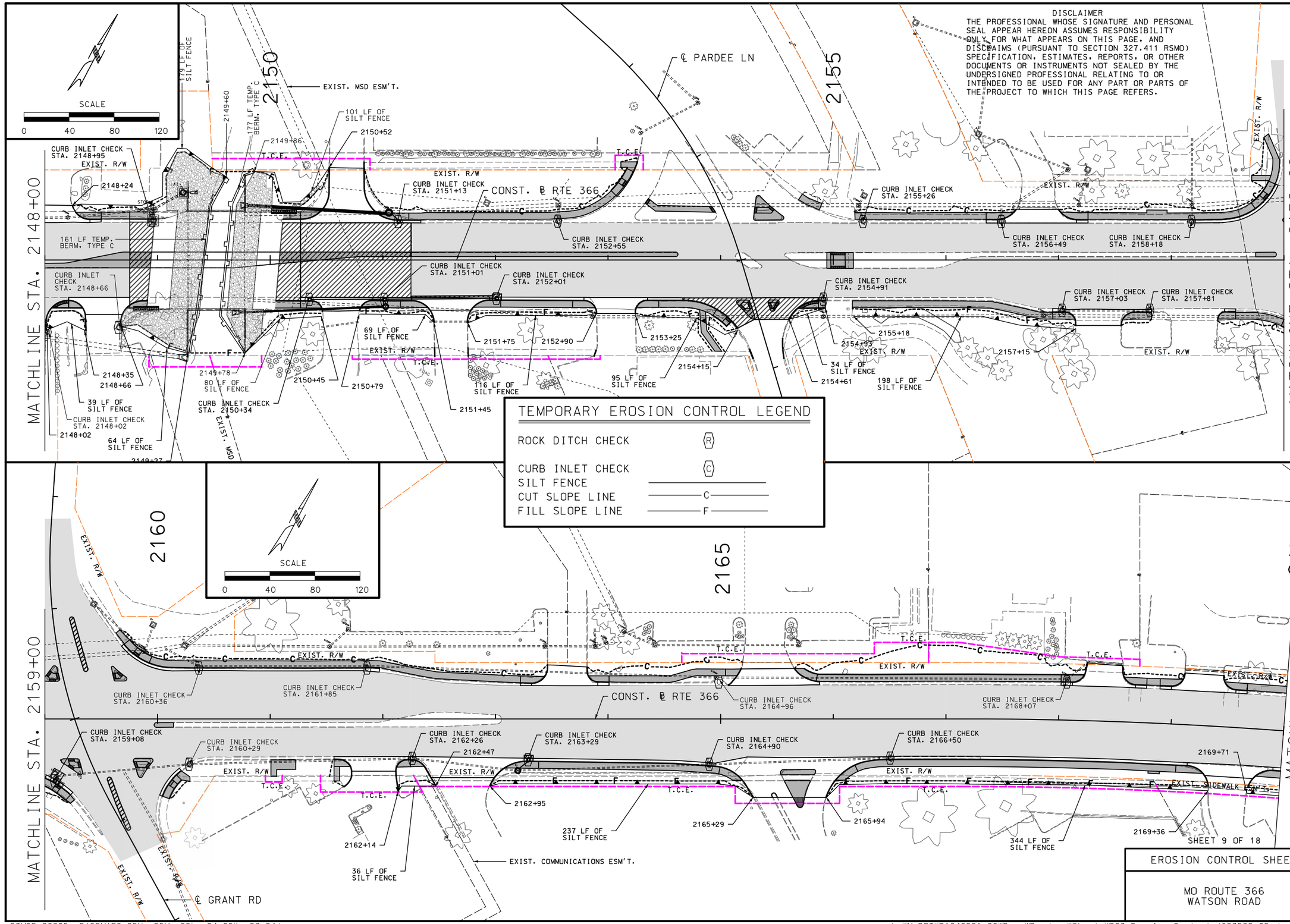
ENGINEERING CORPORATION - 000631

EROSION CONTROL SHEET

MO ROUTE 366
WATSON ROAD



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TEMPORARY EROSION CONTROL LEGEND

ROCK DITCH CHECK	(R)
CURB INLET CHECK	(C)
SILT FENCE	
CUT SLOPE LINE	C
FILL SLOPE LINE	F

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	293

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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REV.

EROSION CONTROL SHEET

MO ROUTE 366
WATSON ROAD

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SCALE
0 40 80 120

2175

MATCHLINE STA. 2170+00

CONST. ℄ RTE 366

EXIST. R/W

EXIST. ESM'T.

2176+99

2177+83

2178+74

2179+05

2180+61

157 LF OF SILT FENCE

83 LF OF SILT FENCE

2170+99

2171+81

85 LF OF SILT FENCE

2178+20

54 LF OF SILT FENCE

CURB INLET CHECK STA. 2179+44

CURB INLET CHECK STA. 2179+59

CURB INLET CHECK STA. 2180+18

CURB INLET CHECK STA. 2176+24

CURB INLET CHECK STA. 2179+01

CURB INLET CHECK STA. 2180+23

19 LF OF SILT FENCE

T.C.E.

P.H.E.

376 LF OF SILT FENCE

2176+77

2180+51

2180+73

2180+93

2173+02

237 LF OF SILT FENCE

2175+41

2172+61

291 LF OF SILT FENCE

℄ BLACKTHORN DR

MATCHLINE STA. 2181+00

MATCHLINE STA. 2181+00

TEMPORARY EROSION CONTROL LEGEND

ROCK DITCH CHECK	(R)
CURB INLET CHECK	(C)
SILT FENCE	
CUT SLOPE LINE	C
FILL SLOPE LINE	F

SCALE
0 40 80 120

2185

2190

℄ ELM AVE

CONST. ℄ RTE 366

EXIST. R/W

CURB INLET CHECK STA. 2181+54

CURB INLET CHECK STA. 2182+20

CURB INLET CHECK STA. 2182+87

CURB INLET CHECK STA. 2183+55

2187+06

CURB INLET CHECK STA. 2187+12

CURB INLET CHECK STA. 2188+92

234 LF OF SILT FENCE

CURB INLET CHECK STA. 2188+23

2189+32

2189+73

CURB INLET CHECK STA. 2189+90

140 LF OF SILT FENCE

37 LF OF SILT FENCE

CURB INLET CHECK STA. 2189+98

2191+51

2191+11

2191+88

CURB INLET CHECK STA. 2181+30

13 LF OF SILT FENCE

2181+43

29 LF OF SILT FENCE

2181+14

2184+57

2184+70

T.C.E.

CURB INLET CHECK STA. 2186+93

CURB INLET CHECK STA. 2186+91

CURB INLET CHECK STA. 2188+46

CURB INLET CHECK STA. 2189+19

CURB INLET CHECK STA. 2190+29

CURB INLET CHECK STA. 2189+71

CURB INLET CHECK STA. 2190+44

CURB INLET CHECK STA. 2190+97

MATCHLINE STA. 2181+00

MATCHLINE STA. 2192+00

SHEET 10 OF 18

EROSION CONTROL SHEET

MO ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	294

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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REV.

SCALE
0 40 80 120

2195

2200

MATCHLINE STA. 2192+00

MATCHLINE STA. 2203+00

2192+31
2192+76
44 LF OF SILT FENCE
EXIST. R/W
2194+50
2194+83
33 LF OF SILT FENCE
CURB INLET CHECK STA. 2194+78
CURB INLET CHECK STA. 2195+73
2196+23
2196+41
18 LF OF SILT FENCE
2196+71
2196+98
28 LF OF SILT FENCE
CURB INLET CHECK STA. 2196+80
45 LF OF SILT FENCE
2198+57
CURB INLET CHECK STA. 2198+75
2199+00
CURB INLET CHECK STA. 2199+98
CONST ℄ WATSON RD
CURB INLET CHECK STA. 2200+87
EXIST. R/W
CURB INLET CHECK STA. 2202+99
CURB INLET CHECK STA. 2193+73
CURB INLET CHECK STA. 2194+83
EXIST. R/W
T.C.E.
CURB INLET CHECK STA. 2195+49
CURB INLET CHECK STA. 2196+37
CURB INLET CHECK STA. 2197+25
CURB INLET CHECK STA. 2198+35
EXIST. R/W
CURB INLET CHECK STA. 2199+26
EXIST. R/W
CURB INLET CHECK STA. 2201+94
℄ GENERAL GRANT LN

TEMPORARY EROSION CONTROL LEGEND

ROCK DITCH CHECK	(R)
CURB INLET CHECK	(C)
SILT FENCE	
CUT SLOPE LINE	C
FILL SLOPE LINE	F

SCALE
0 40 80 120

2205

2210

MATCHLINE STA. 2192+00

MATCHLINE STA. 2214+00

℄ E OLD WATSON RD
℄ CHESHIRE LN
CONST ℄ WATSON RD
EXIST. R/W
CURB INLET CHECK STA. 2203+19
CURB INLET CHECK STA. 2204+67
CURB INLET CHECK STA. 2204+70
CURB INLET CHECK STA. 2206+24
2206+39
26 LF OF SILT FENCE
2206+50
CURB INLET CHECK STA. 2206+52
66 LF OF SILT FENCE
2206+65
2207+16
CURB INLET CHECK STA. 2207+25
CURB INLET CHECK STA. 2207+59
CURB INLET CHECK STA. 2208+10
CURB INLET CHECK STA. 2208+86
CURB INLET CHECK STA. 2209+01
CURB INLET CHECK STA. 2209+41
CURB INLET CHECK STA. 2209+47
T.C.E.
EXIST. ESM'T.
EXIST. R/W
CURB INLET CHECK STA. 2209+51
CURB INLET CHECK STA. 2209+86
CURB INLET CHECK STA. 2209+93
CURB INLET CHECK STA. 2209+95
CURB INLET CHECK STA. 2210+06
CURB INLET CHECK STA. 2210+66
CURB INLET CHECK STA. 2211+08
CURB INLET CHECK STA. 2211+23
CURB INLET CHECK STA. 2211+78
CURB INLET CHECK STA. 2211+79
CURB INLET CHECK STA. 2212+47
CURB INLET CHECK STA. 2213+03
CURB INLET CHECK STA. 2213+08
CURB INLET CHECK STA. 2213+56
EXIST. R/W
SHEET 11 OF 18

EROSION CONTROL SHEET

MO ROUTE 366
WATSON ROAD

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	295

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DATE	DESCRIPTION	REV.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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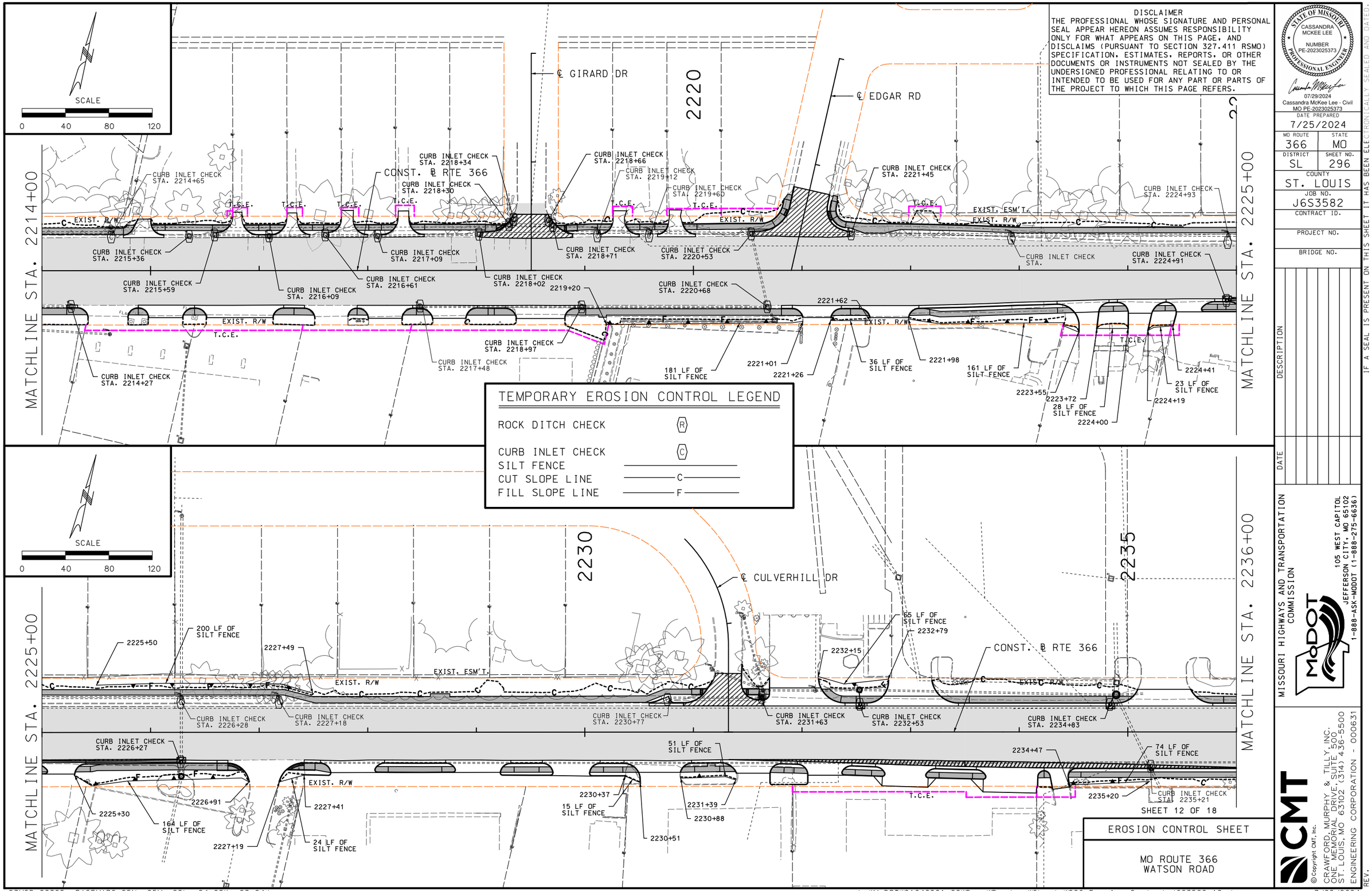

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CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	296

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION | DATE | REV.

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SHEET 12 OF 18

EROSION CONTROL SHEET

MO ROUTE 366
WATSON ROAD

SCALE
0 40 80 120

MATCHLINE STA. 2236+00

MATCHLINE STA. 2247+00

2240

2245

EXIST. SIGNAL ESM'T

EXIST. R/W

EXIST. MSD ESM'T.

EXIST. WATER ESM'T.

CONST. ℄ RTE 366

T.C.E.

EXIST. R/W

℄ S LACLEDE STATION RD

℄ MARTYS DR

℄ HEEGE RD

CURB INLET CHECK STA. 2237+29

CURB INLET CHECK STA. 2241+17

CURB INLET CHECK STA. 2236+17

CURB INLET CHECK STA. 2238+14

CURB INLET CHECK STA. 2237+39

241 LF OF SILT FENCE

2240+10

2241+69

EXIST. SIGNAL ESM'T.

2246+46

21 LF OF SILT FENCE

2246+25

CURB INLET CHECK STA. 2244+29

CURB INLET CHECK STA. 2243+30

CURB INLET CHECK STA. 2242+80

EXIST. SIGNAL ESM'T.

CURB INLET CHECK STA. 2242+75

CURB INLET CHECK STA. 2242+39

FLAG

STORM

TEMPORARY EROSION CONTROL LEGEND

ROCK DITCH CHECK	(R)
CURB INLET CHECK	(C)
SILT FENCE	▼
CUT SLOPE LINE	------C------
FILL SLOPE LINE	------F------

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CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	297

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION | DATE

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SHEET 13 OF 18

EROSION CONTROL SHEET

MO ROUTE 366
WATSON ROAD

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SCALE
0 40 80 120

℄ PEMBROKE DR
2250
2255
℄ WIMBLEDON DR
MATCHLINE STA. 2247+00
MATCHLINE STA. 2258+00
EXIST. R/W
CONST. ℄ RTE 366
CURB INLET CHECK STA. 2249+39
CURB INLET CHECK STA. 2248+17
CURB INLET CHECK STA. 2248+23
CURB INLET CHECK STA. 2249+49
46 LF OF SILT FENCE
2252+92
38 LF OF SILT FENCE
66 LF OF SILT FENCE
2257+31
2256+65
2256+48
68 LF OF SILT FENCE
2255+91
2253+28
2251+91
2251+46
T.C.E.

TEMPORARY EROSION CONTROL LEGEND

ROCK DITCH CHECK	(R)
CURB INLET CHECK	(C)
SILT FENCE	
CUT SLOPE LINE	C
FILL SLOPE LINE	F

SCALE
0 40 80 120

2260
2265
℄ OAK KNOLL MANOR DR
MATCHLINE STA. 2258+00
MATCHLINE STA. 2269+00
CONST. ℄ RTE 366
EXIST. R/W
EXIST. ESM'T
2261+48
2260+72
76 LF OF SILT FENCE
2262+24
28 LF OF SILT FENCE
2261+96
CURB INLET CHECK STA. 2266+16
CURB INLET CHECK STA. 2266+95
69 LF OF SILT FENCE
102 LF OF SILT FENCE
2268+07
2268+49
2258+91
47 LF OF SILT FENCE
CURB INLET CHECK STA. 2260+22
2260+00
2259+54
2259+32
41 LF OF SILT FENCE
EXIST. MSD ESM'T.
T.C.E.

SHEET 14 OF 18

EROSION CONTROL SHEET

MO ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
09/06/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
9/5/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	298

COUNTY
ST. LOUIS
JOB NO.
J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION
DATE
REV.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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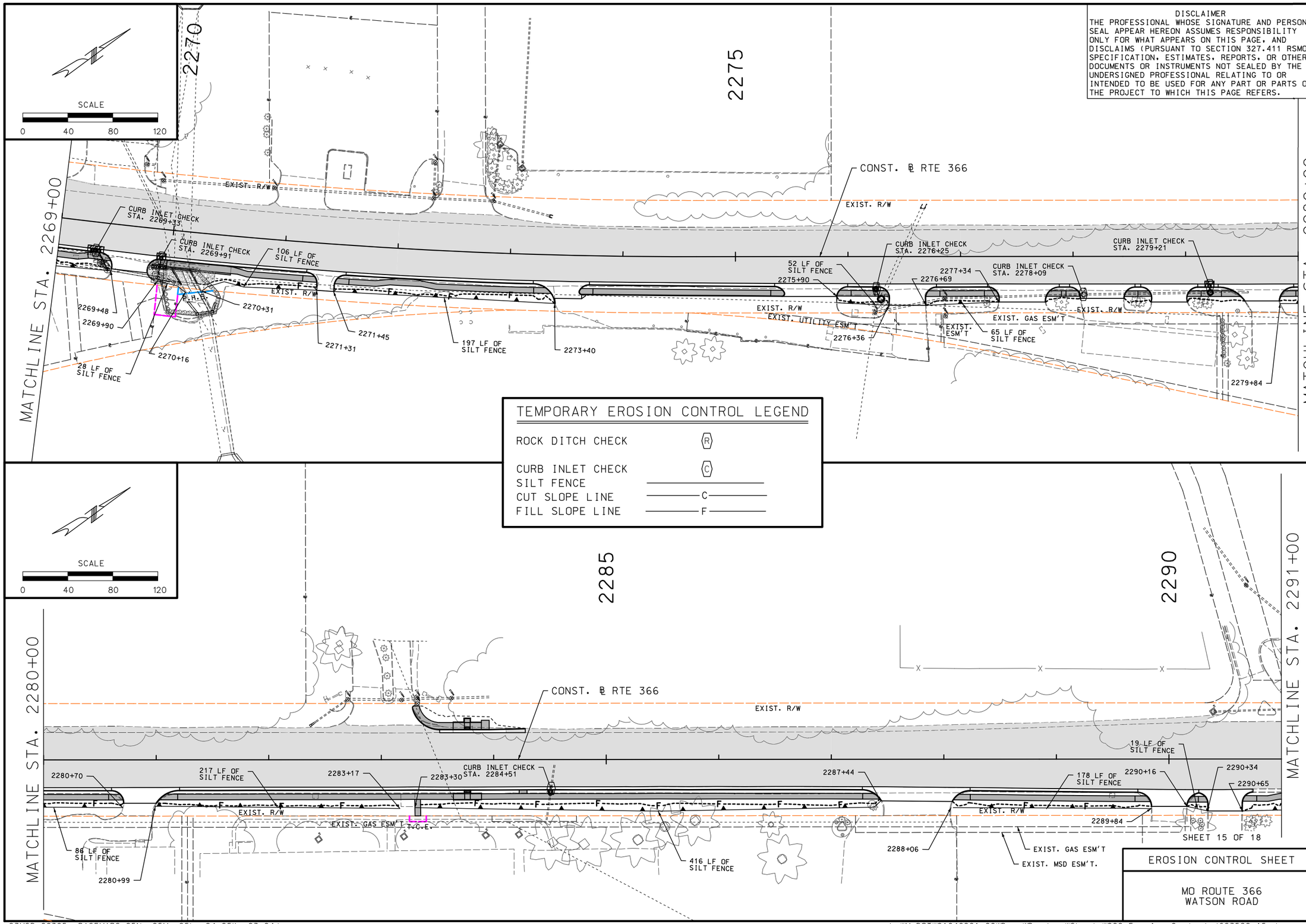
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631



TEMPORARY EROSION CONTROL LEGEND

ROCK DITCH CHECK	(R)
CURB INLET CHECK	(C)
SILT FENCE	F
CUT SLOPE LINE	C
FILL SLOPE LINE	F

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	299

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION | DATE | REV.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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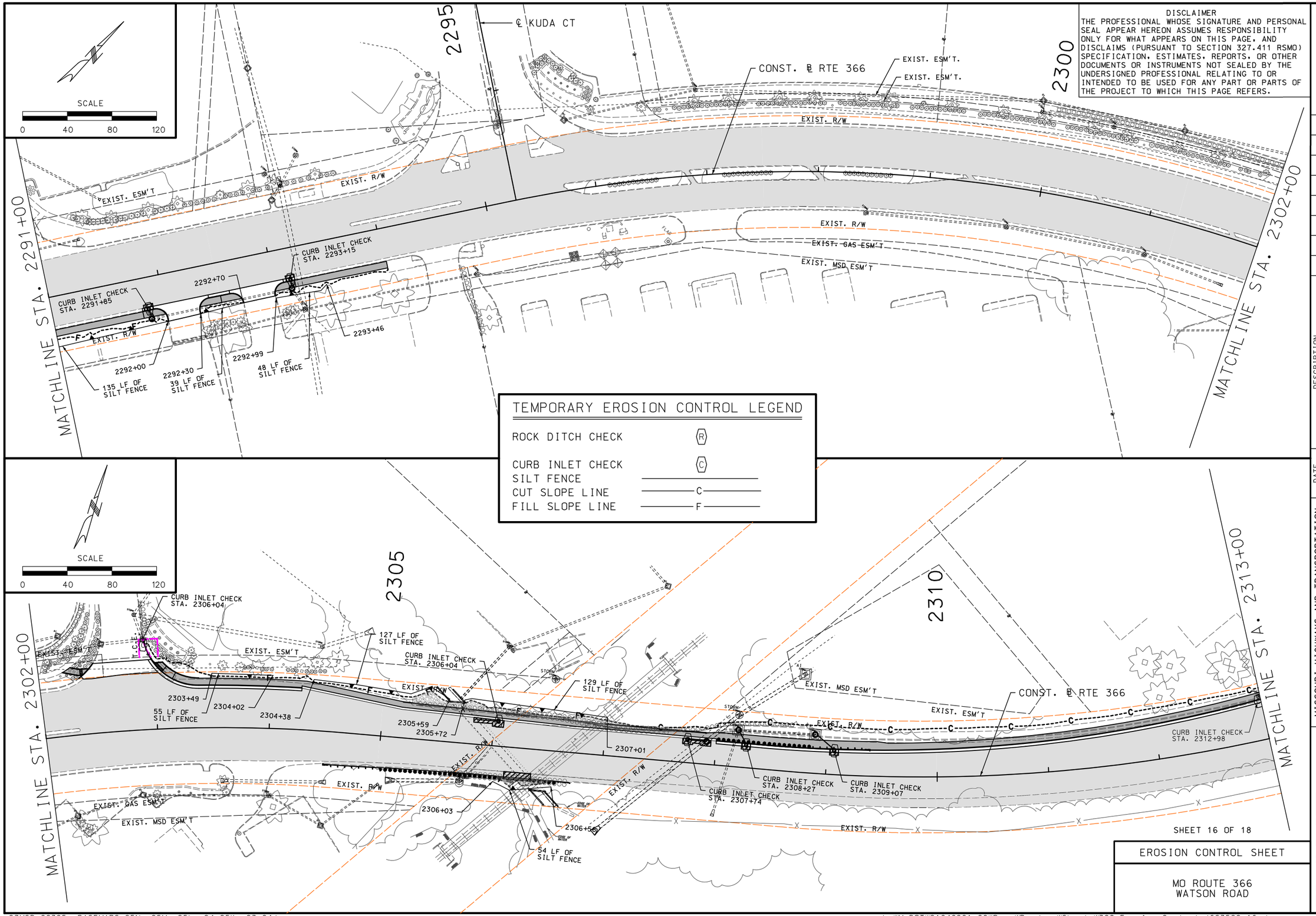
SHEET 15 OF 18

EROSION CONTROL SHEET

MO ROUTE 366
WATSON ROAD



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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	300

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ENGINEERING CORPORATION - 000631
REV.

SHEET 16 OF 18

EROSION CONTROL SHEET

MO ROUTE 366
WATSON ROAD

SCALE
0 40 80 120

2315

2320

℄ JACOBS COAL RD

EXIST. DRAINAGE ESM'T.

MATCHLINE STA. 2313+00

CURB INLET CHECK STA. 2313+78

CURB INLET CHECK STA. 2314+58

CURB INLET CHECK STA. 2315+19

CURB INLET CHECK STA. 2315+99

T.C.E.

CURB INLET CHECK STA. 2316+67

EXIST. SIGNAL ESM'T.

CURB INLET CHECK STA. 2318+18

CONST. ℄ RTE 366

CURB INLET CHECK STA. 2321+21

MATCHLINE STA. 2324+00

EXIST. R/W

EXIST. R/W

TEMPORARY EROSION CONTROL LEGEND

ROCK DITCH CHECK	(R)
CURB INLET CHECK	(C)
SILT FENCE	
CUT SLOPE LINE	C
FILL SLOPE LINE	F

SCALE
0 40 80 120

2330

2335

℄ MACKENZIE POINTE

EXIST. DRAINAGE ESM'T.

MATCHLINE STA. 2324+00

CURB INLET CHECK STA. 2324+47

CURB INLET CHECK STA. 2325+85

CURB INLET CHECK STA. 2328+20

T.C.E.

CONST. ℄ RTE 366

EXIST. ESM'T.

T.C.E.

EXIST. R/W

EXIST. R/W

EXIST. R/W

EXIST. R/W

℄ RTE P

2329+81

32 LF OF SILT FENCE

2329+50

EXIST. R/W

SHEET 17 OF 18

EROSION CONTROL SHEET

MO ROUTE 366
WATSON ROAD

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	301

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ENGINEERING CORPORATION - 000631

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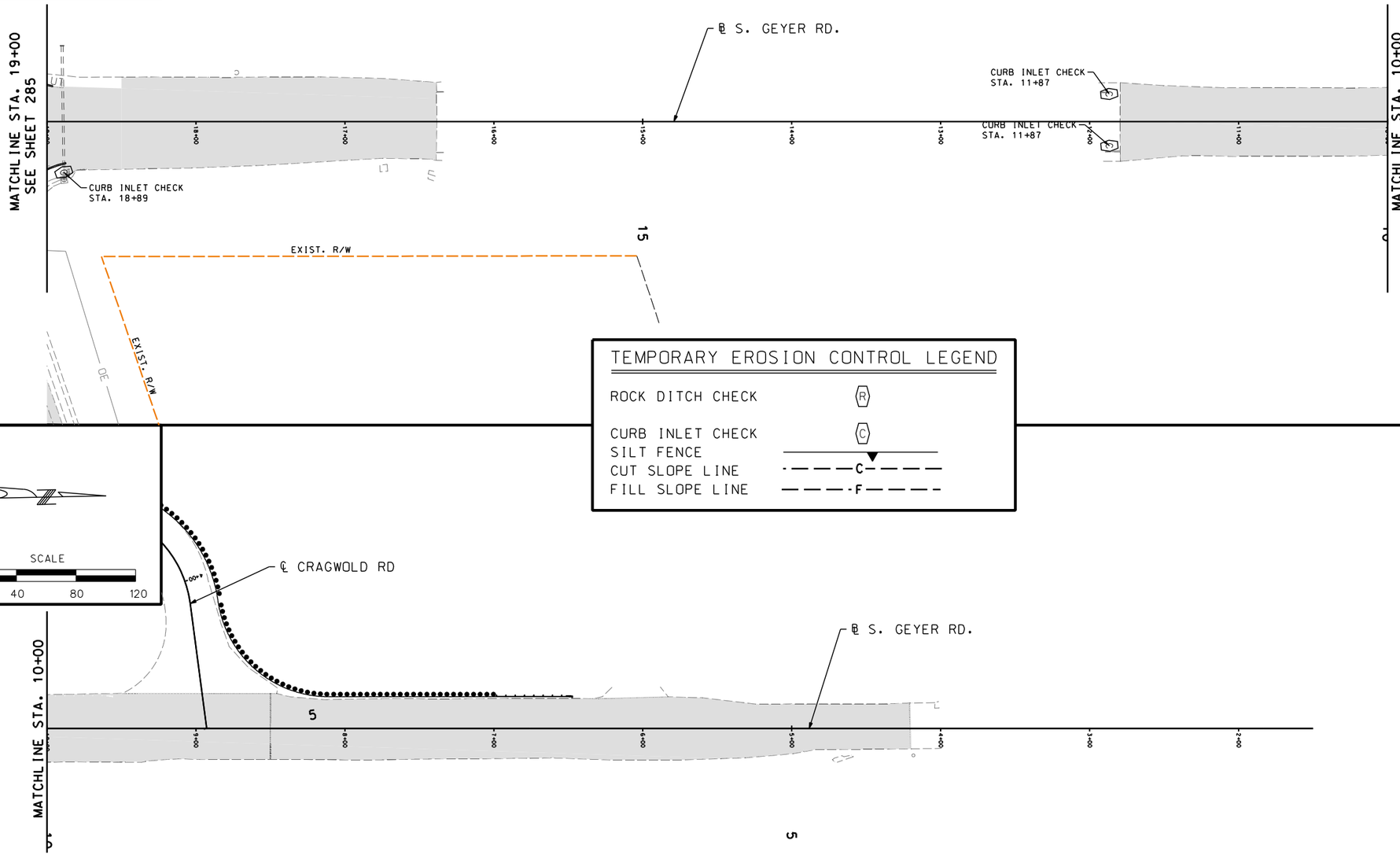
SCALE

0 40 80 120



TEMPORARY EROSION CONTROL LEGEND

ROCK DITCH CHECK	(R)
CURB INLET CHECK	(C)
SILT FENCE	
CUT SLOPE LINE	C
FILL SLOPE LINE	F

DISCLAIMER

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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

07/29/2024 8:10:13 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	302

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr., Ste 300
Chesterfield, Missouri 63017
636.240.2444
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PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SHEET 18 OF 18

EROSION CONTROL SHEET

GEYER ROAD

REV.

TRAFFIC SIGNALS LEGEND

CONTROLLER	CCTV CAMERA	6 X 6 LOOP DETECTOR
CONTROLLER (EXISTING)	VIDEO DETECTOR	6 X 15 LOOP DETECTOR
JCT JUNCTION BOX	PUSH BUTTON DETECTOR	30 X 6 LOOP DETECTOR
POWER SUPPLY	PREFORMED PULL BOX TYPE 1	CONDUIT MEDIAN
WOOD POST	PREFORMED PULL BOX TYPE 2	CONDUIT PUSHED
SIGNAL HEAD (OPT LIM CONV)	CONCRETE PULL BOX TYPE 1	CONDUIT BRIDGE
SIGNAL HEAD (OPT LIM)	CONCRETE PULL BOX TYPE 2	CONDUIT EXISTING
SIGNAL HEAD (PEDESTRIAN)	ITS PULL BOX TYPE 2	CONDUIT TRENCHED
SIGNAL HEAD (STANDARD)	ITS PULL BOX TYPE 5	SPAN WIRE
	VIDEO DETECTION ZONE	MAST ARM - TYPE A BASE
		MAST ARM - TYPE C BASE
		MAST ARM - TYPE F BASE

NOTES:

1. ALL PEDESTRIAN HEADS SHALL BE COUNTDOWN TYPE HEADS.
2. ALL PUSHBUTTONS SHALL BE APS PUSHBUTTONS.
3. CONNECTION/ HOOK UP OF WIRES AND CONFIGURATION OF PEDESTRIAN HEADS AND PUSHBUTTON DETECTORS IN EXISTING CONTROLLERS INCLUDED IN UNIT PRICE FOR SIGNAL WIRE.
4. COORDINATE CURB RAMP & LANDING CONSTRUCTION WITH SIGNAL PLANS. SEE PLAN SHEETS.
5. ALL PUSHBUTTONS REQUIRE SIGN R10-3E (9"X15") TO BE INSTALLED ABOVE THEM.
6. SEE SIGN DETAIL SHEETS FOR STREET SIGN DETAILS.
7. ALL EXISTING CONDUIT ON SIGNALS WITH FULL REPLACEMENTS SHALL BE ABANDONED IN PLACE AND CABLES PULLED OUT.
8. ALL NEW FULL REPLACEMENTS SHALL HAVE RETROREFLECTIVE BACKPLATES ON ALL SIGNAL HEADS.

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STATE OF MISSOURI
JASON LAWRENCE C. JARQUIO NUMBER PE-2021011939
PROFESSIONAL ENGINEER
07/26/2024 3:22:20 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	303

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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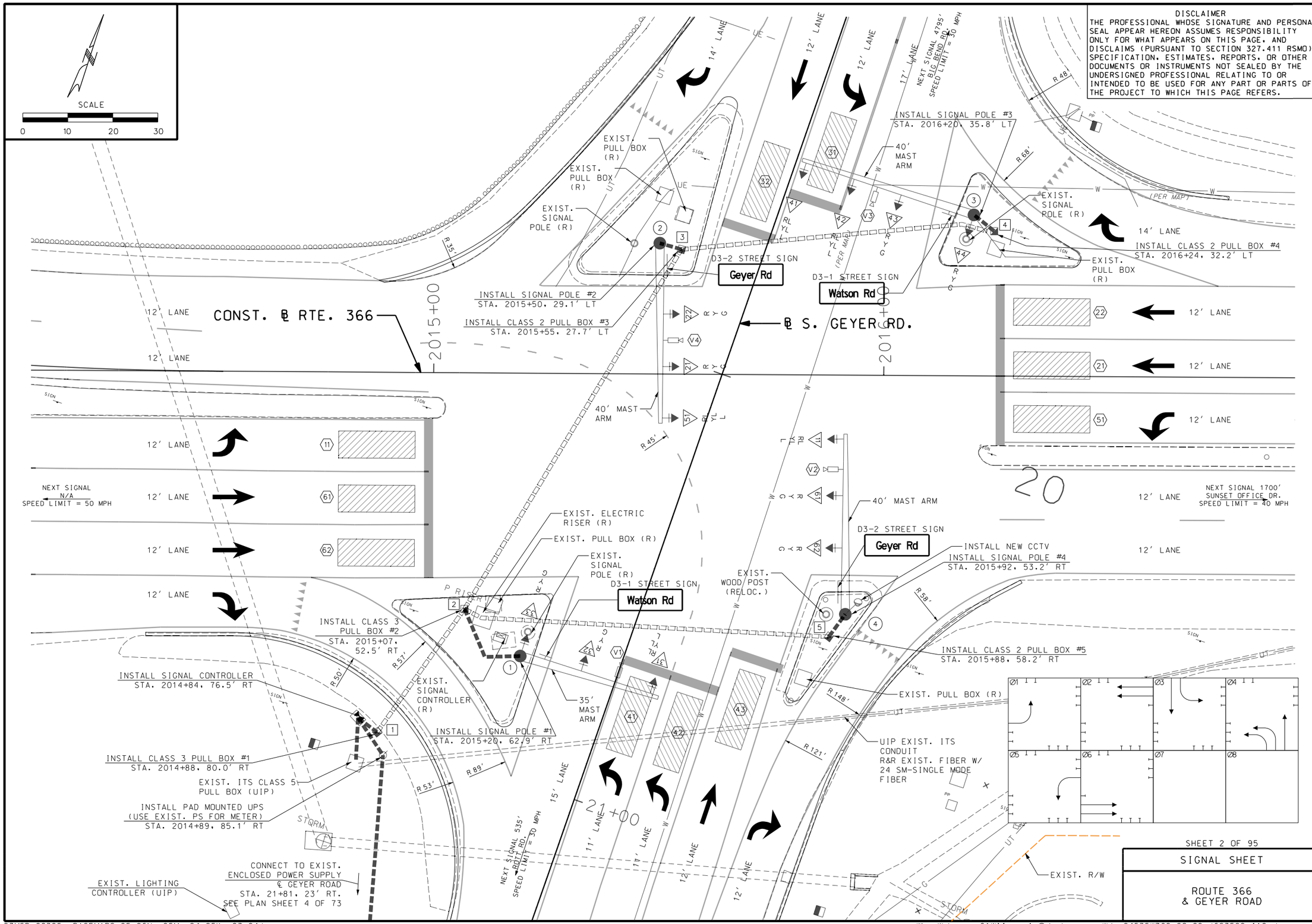
Chesterfield, Missouri 63017
636.240.2444
www.gbateam.com
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

JASON L. JARQUIO
PROFESSIONAL ENGINEER
PE-2021011939

SIGNAL SHEET

ROUTE 366
SIGNAL NOTES

REV.



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STATE OF MISSOURI
JASON LAWRENCE C. JARQUIO
NUMBER PE-2021011939
PROFESSIONAL ENGINEER

07/26/2024 3:22:21 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED	7/26/2024
MO ROUTE 366	STATE MO
DISTRICT SL	SHEET NO. 304
COUNTY	ST. LOUIS
JOB NO.	J6S3582
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr., Ste 300
Chesterfield, Missouri 63017
636.240.2444
www.gbateam.com
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

JASON L. JARQUIO
PROFESSIONAL ENGINEER
PE-2021011939

SHEET 2 OF 95

SIGNAL SHEET

ROUTE 366
& GEYER ROAD

REV.

EFFECTIVE: 07/01/2018

POST NUMBER	PULL BOX NUMBER	LOCATION: APPROACH	LOCATION: STATION	LOCATION: OFFSET	BASE: A (9 / 9.5 / 10 / 10.5 / 11 / 12)	BASE: F (9 / 9.5 / 10 / 10.5 / 11 / 12)	BASE: C	CONCRETE** (CU. YDS.)	PULL BOX: PREFORMED CLASS 1	PREFORMED CLASS 2	PREFORMED CLASS 3	PREFORMED CLASS 5	CONCRETE STANDARD	CONCRETE DOUBLE, TYPE A	CONCRETE DOUBLE, TYPE B	DRAIN TYPE* I	DRAIN TYPE* II A	DRAIN TYPE* II B	DRAIN TYPE* II C	POST: TOP MOUNT POST 8 FT.	TOP MOUNT POST 15 FT.	TYPE C & CL: ARM LENGTH 25'	30'	35'	40'	SIGNAL SPACING B	C	D	D'	SIGN SPACING B	C	D	D'	TYPE B & BL: ARM LENGTH E	K	E	K	E	K	LEFT ARM E: SIGNAL SPACING F	G	H	H'	SIGN SPACING F	G	H	H'	RIGHT ARM K: SIGNAL SPACING L	M	N	N'	SIGN SPACING L	M	N	N'	INCLUDED ANGLE	LUMINAIRE BRACKET ARM* 4 FT.	6 FT.	8 FT.	10 FT.	12 FT.	15 FT.
	☒	ROUTE 366	2014+84	76.5' RT.				1.93																																																
	1	ROUTE 366	2014+88	80.0' RT.							1							1																																							
	2	ROUTE 366	2015+07	52.5' RT.							1						1																																							
	3	ROUTE 366	2015+55	27.7' LT.					1								1																																						
	4	ROUTE 366	2016+24	32.2' LT.					1								1																																						
	5	ROUTE 366	2015+88	58.2' RT.					1								1																																						
1		ROUTE 366	2015+20	62.9' RT.	1			3.01															1			14'	16'		4'																										
2		ROUTE 366	2015+50	29.1' LT.			1	3.27																1		16'	12'	12'	4'																										
3		ROUTE 366	2016+20	35.8' LT.			1	3.27																1		17'	11'	12'	4'																										
4		ROUTE 366	2015+92	53.2' RT.			1	3.27																1		15'	12'	13'	4'																										
				SUBTOTAL				14.75		3	2												1	3																																
				TOTAL				14.8		3	2												1	3																																

SIGNAL HEADS

SPAN NUMBER	POST NUMBER	FACE NUMBER	LUMINAIRE 150W SODIUM	INDICATIONS * 12" LENS CONVENTIONAL: R	Y	RL	YL	FYL	FYR	G	S	L	Rt	🚶	INDICATIONS * 12" LENS OPTICAL LIMITING: R	Y	YL	YRt	YL	YRt	G	S	L	Rt	VISORS * 12" LENS	PED.	LOUVERS * A	B	C	D	E	F	BACKPLATE* LENSES 1	2	3	4	5	RETROREFLECTIVE BACKPLATE* LENSES 1	2	3	4	5	BRACKET* TYPE I	II	■	ONE-FACE SECTION 1- T	S	C	B	3- T	S	C	B	4- T	S	C	B	5- T	S	C	B	TWO-FACE SECTIONS 11- T	S	B	33- T	S	C	B	34- S	B	35- S	B	44- S	B	45- S	B
	1	31				1	1					1													3												1								1																		

EFFECTIVE: 10-01-2015

CONDUIT (WITH #14 TRACER WIRE)

FROM	TO	CENTER TO CENTER DISTANCE	LOOP DET.	TRENCH				PUSHED			MEDIAN			ON STRUCTURE			REMARKS
			1"	2"	3"	4"	2" RIGID STEEL (2)	2"	3"	4"	2"	3"	4"	2"	3"		
⚡	Ø UPS	79'			87'												
Ø UPS	☒	10'			14'												
☒	1	6'			18'												2-3"
1	2	34'						64'									2-3"
2	1	20'			23'												
2	5	82'						80'									
5	4	7'			10'												
2	3	94'						92'									
3	2	5'			8'												
3	4	70'						68'									
4	3	6'			9'												
SUBTOTALS					169'			304'									
TOTALS					169'			304'									

CABLE

FROM	TO	CENTER TO CENTER DISTANCE	POWER		CONTROL				CLOSED LOOP INTERCONNECT	LUMINAIRE		DETECTOR		FIBER		REMARKS
			1c #2	1c #8	2c #16	5c #16	7c #16	3c #16	3 PAIR #16	CONTROL 2c #12	POLE & BRACKET 1c #10	VIDEO CABLE (1)	CCTV CABLE	SINGLE-MODE	MULTI-MODE	
⚡	Ø UPS	79'		285'												
Ø UPS	☒	10'		78'												3-1c#8 CABLES
☒	1	58'					131'									SIGNAL HEAD 31
☒	1	58'					115'									SIGNAL HEAD 32
☒	1	58'					92'									SIGNAL HEAD 33
☒	1	58'										(123')				VIDEO V-1
☒	2	137'					213'									SIGNAL HEAD 21
☒	2	137'					202'									SIGNAL HEAD 22
☒	2	137'					216'									SIGNAL HEAD 51
☒	2	137'										(207')				VIDEO V-4
☒	3	208'					302'									SIGNAL HEAD 41
☒	3	208'					290'									SIGNAL HEAD 42
☒	3	208'					280'									SIGNAL HEAD 43
☒	3	208'					254'									SIGNAL HEAD 44
☒	3	208'										(285')				VIDEO V-3
☒	4	127'					215'									SIGNAL HEAD 11
☒	4	127'					202'									SIGNAL HEAD 61
☒	4	127'					191'									SIGNAL HEAD 62
☒	4	127'										(208')				VIDEO V-2
☒	4	127'											167'			CCTV
SUBTOTALS				363'			2703'					(822')	167'			
5% FOR SNAKING				382'			2839'					(863')	176'			
TOTALS				390'			2840'					(870')	180'			

DISCLAIMER
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(1) NO DIRECT PAY FOR REQUIRED VIDEO DETECTOR CABLE
(2) QUANTITY SHOWN FOR INFORMATION PURPORSES. NO DIRECT PAY.

STATE OF MISSOURI
JASON LAWRENCE C. JARQUIO NUMBER PE-2021011939
PROFESSIONAL ENGINEER

07/26/2024 3:22:21 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	306

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr., Ste 300
Chesterfield, Missouri 63017
636.240.2444
www.gbateam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

JASON L. JARQUIO
PROFESSIONAL ENGINEER
PE-2021011939

REV.

SHEET 4 OF 95

ROUTE 366 & GEYER ROAD
INTERSECTION

SIGNAL SHEET

ROUTE 366
GEYER ROAD

D-37B

EFFECTIVE 04-01-2018

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POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING*				LIGHTING CONTROL * (ON POWER SUPPLY)		SERVICE POLE	
					CONTROLLER		POWER SUPPLY DISCONNECT					
							MAIN BREAKER					
APPROACH	STATION	OFFSET	DRAWING 902.15	SPECIAL DRAWING (4)	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	SIGNALS	LIGHTING	120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
ROUTE 366	2014+89	85.1' RT	Type	1	15 Amps	30 Amps	100 Amps	· Amps		Amps	CI.	EX
			Type	·	· Amps	Amps	Amps	Amps		Amps	CI.	

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF* SWITCH		COORDINATION INTERFACE *						TIME * CLOCK	NEMA CABINET TYPE *			170 CABINET TYPE *		170 SOFTWARE *	
							TYPE		12C/7C HARDWIRE (1)		TIME BASE	CLOSED LOOP		FIBER								
APPROACH	STATION	OFFSET	NEMA	170	NEMA	170	I	II	MASTER	LOCAL		NEMA	170			E	EV	DOUBLE	332	336S	BITRAN	WAPITI
ROUTE 366	2014+84	76.5' RT			1									1			1					

SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM (3)

TOTAL = 1 EACH

NETWORK CONNECTED SIGNAL MONITOR

TOTAL = 1 EACH

COMBINATION PAD MOUNTED 120V/240V POWER SUPPLY AND LIGHTING CONTROLLER WITH UPS

TOTAL = 1 EACH

BID PRICE FOR PAD MOUNTED POWER SUPPLY/CONTROLLER SHALL INCLUDE CABLE (#2 AWG.), RIGID STEEL CONDUIT, AND TRENCHING BETWEEN ASSEMBLY AND UTILITY COMPANY FACILITIES.

SIGNAL SIGNS

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
	R10-10L	24 X 30	5.0		
	R10-10R	24 X 30	5.0		
	R3-5L	30 X 36	7.5		
	R3-5R	30 X 36	7.5		
	R3-5A	30 X 36	7.5		
	R3-6L	30 X 36	7.5		
	R3-6R	30 X 36	7.5		
	R3-2	24 X 24	4.0		
	R3-1	24 X 24	4.0		
	R3-3	24 X 24	4.0		
	D3-1 ***	36 X 18			
2	D3-1B ***	72 X 18	9.0	18.0	2
2	D3-1B ***	60 X 18	7.5	15.0	2
	R10-3EL	9 X 15	0.9		
	R10-3ER	9 X 15	0.9		
	R10-11A	24 X 30	5.0		
	R10-13	36 X 24	6.0		
	R10-27A	30 X 36	7.5		
			SUBTOTAL	33.0	4
			TOTAL	33	4

** NOTE: NO DIRECT PAY FOR REQUIRED R10-3E SIGNS AND MOUNTING HARDWARE TO BE INCLUDED AS INCIDENTAL TO THE COST OF THE PUSH BUTTON.

DETECTOR SCHEDULE

DETECTOR NUMBER	APPROACH	TYPE				
		AUDIBLE PUSH BUTTON	INDUCTION LOOP (2)			OPTIONAL DETECTION (3)
			STANDARD	DELAY/ EXTEND *	CALL UNIT *	
11, 61, 62	EB ROUTE 366					V2
31, 32, 33	SB GEYER ROAD					V1
21, 22, 51	WB ROUTE 366					V4
41, 42, 43, 44	NB GEYER ROAD					V3
TOTAL						

INSTALL MODOT FURNISHED TRAFFIC SIGNAL CONTROLLER

TOTAL = 1 EACH

CCTV CAMERA ASSEMBLY

TOTAL = 1 EACH

INSTALL CCTV CAMERA ASSEMBLY

TOTAL = 1 EACH

CCTV EXTENSION POLE, 20 FT. METALLIC FINISH

TOTAL = 1 EACH

* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

*** USE D3-1 FOR ONE LINE. USE D3-1B FOR TWO LINE.

(1) MoDOT "D" PLUG SHALL BE WIRED INTO ALL NEMA CONTROLLERS WITH 7C HARDWIRE INTERCONNECT.

(2) PAYMENT IS MADE FOR THE NUMBER OF 2-CHANNEL DETECTOR CARDS AS SHOWN BELOW THE ASSIGNMENT CHART.

(3) SEE SL DISTRICT TRAFFIC SIGNAL DETECTION JSP FOR ADDITIONAL DETAILS. SIGNAL DETECTION SHALL BE PAID AS 1 PER INTERSECTION. THE CONTRACTOR SHALL PROVIDE AND INSTALL A VEHICLE DETECTION SYSTEM FULLY COVERING DETECTION ZONES AS SHOWN ON THE PLANS. THE METHOD CHOSEN SHALL COMPLY WITH MODOT'S STANDARDS AND SPECIFICATIONS. ALL EQUIPMENT USED IN THE SYSTEM SHALL BE IN ACCORDANCE WITH MODOT'S APPROVED PRODUCT LIST AND RECEIVE ST. LOUIS DISTRICT APPROVAL PRIOR TO INSTALLATION. THIS WILL BE A COMPLETE UNIT WITH ALL COSTS INCLUDED.

(4) POWER SUPPLY SHALL BE PAD MOUNTED 120V/240V POWER SUPPLY & LIGHTING CONTROLLER WITH UNINTERRUPTIBLE POWER SUPPLY. SEE DETAILS.

NEMA DETECTOR ASSIGNMENT

CHANNEL	CARD POSITION 1	2	3	4	5	6	7	8
1	·	SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM (3)						·
2	·	·	·	·	·	·	·	·

TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = (2)

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Ø 1 EBL	Ø 2 WB	Ø 3 SB	Ø 4 NB	Ø 5 WBL	Ø 6 EB	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED

SHEET 5 OF 95

ROUTE 366 & GEYER ROAD
INTERSECTION

SIGNAL SHEET

ROUTE 366
GEYER ROAD

D-37C

JASON LAWRENCE C. JARQUIO
NUMBER PE-2021011939
PROFESSIONAL ENGINEER
STATE OF MISSOURI

07/26/2024 3:22:22 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	307

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE	REV.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr. Ste 300
Chesterfield, Missouri 63017
636.240.2444
www.gbateam.com
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

JASON L. JARQUIO
PROFESSIONAL ENGINEER
PE-2021011939

EFFECTIVE 12-01-17

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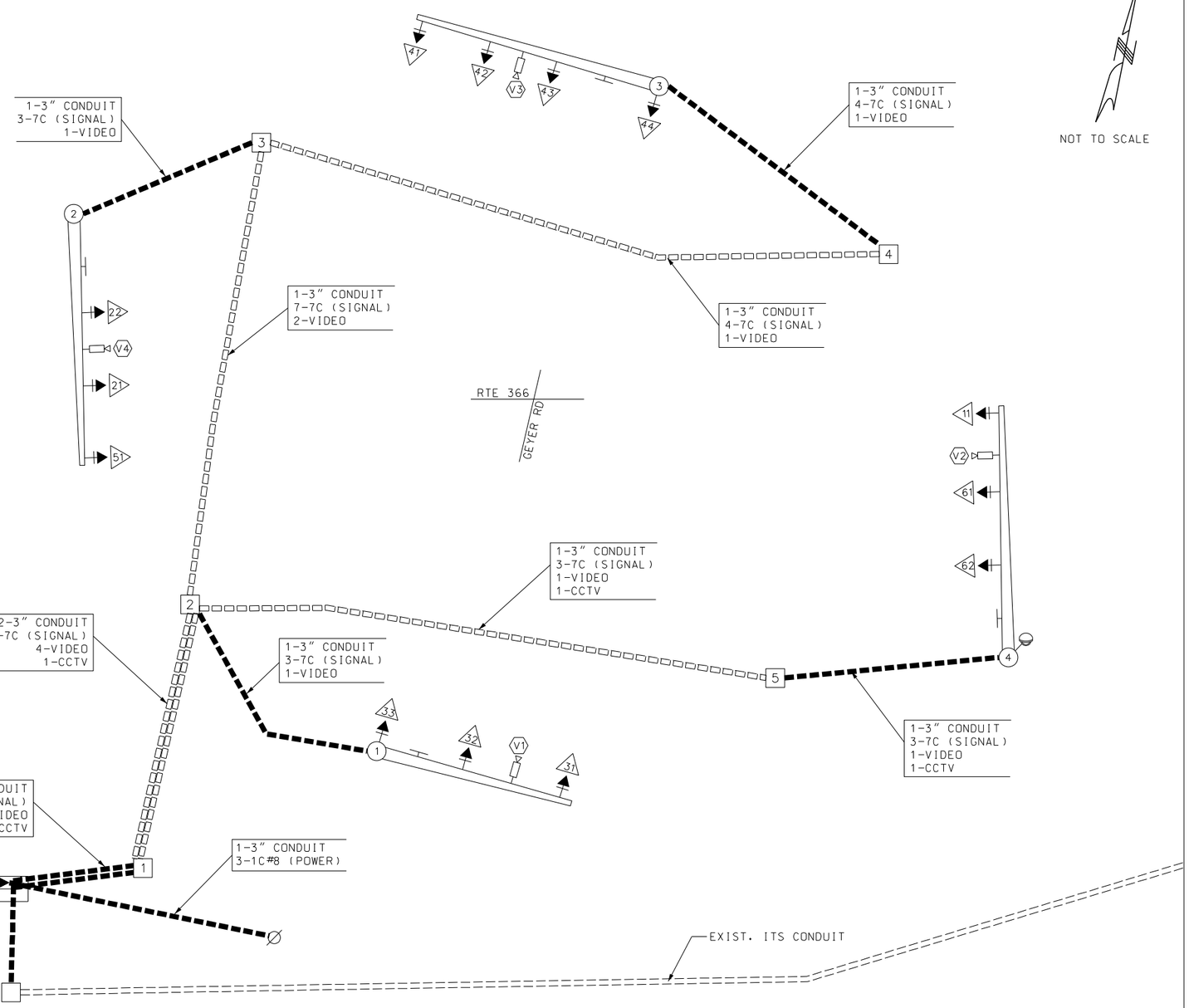
WIRING DIAGRAM



LEGEND

3"	CONDUIT CONTAINING CABLE WITH SIZE
	CABLE
X-Xc	MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
LIC	#14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
X	PULL BOX WITH NUMBER
X	POST WITH NUMBER
X	POST WITH MAST ARM
X	POST WITH MAST ARM AND LUMINAIRE
X	DETECTOR WITH NUMBER
X	SIGNAL HEAD WITH NUMBER
	SIGNAL CONTROLLER
	POWER SUPPLY
	LIGHTING CONTROLLER
	CCTV CAMERA
	OPTICOM
	VIDEO DETECTOR

SHEET 6 OF 95

ROUTE 366 & GEYER ROAD
INTERSECTION

SIGNAL SHEET

ROUTE 366
GEYER ROAD

D-37D

STATE OF MISSOURI
JASON LAWRENCE C. JARQUIO
NUMBER PE-2021011939
PROFESSIONAL ENGINEER
07/26/2024 3:22:22 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	308

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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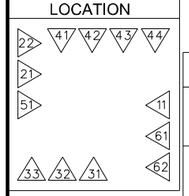
PRO. LAND SURVEYOR 000059

JASON L. JARQUIO
PROFESSIONAL ENGINEER
PE-2021011939

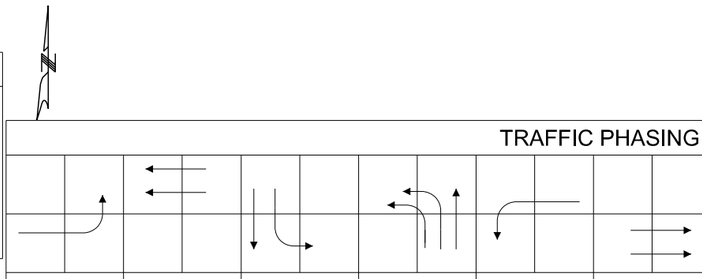
REV.

EFFECTIVE 12/01/2017

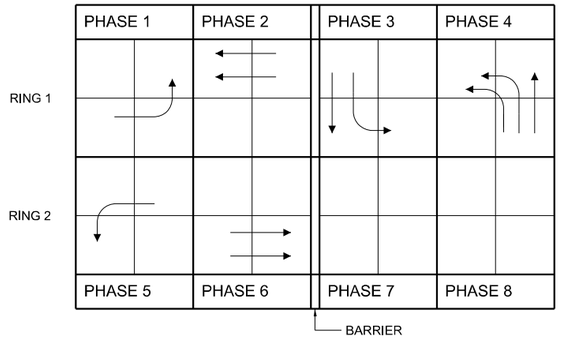
SIGNAL FACE LOCATION



TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS



		PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	PED Ø OVERLAP	PED Ø OVERLAP	PED Ø OVERLAP	PED Ø OVERLAP	
FACE NUMBERS		11	21 22	31 32 33	41 43 44 42	51	61 62							FACE NUMBERS
SIGNAL INDICATIONS	R	RL	R	RL R	RL R R	RL	R							R
	Y	YL	Y	YL Y	YL Y Y	YL	Y							Y
	FYA													FYA
	G	L	G	L G	L G G	L	G							G
DETECTOR ASSIGNMENTS		11	21 22	31 32 33	41 43 42	51	61 62							DETECTOR ASSIGNMENTS
DETECTOR ASSIGNMENTS (PEDS. ONLY)														
OVERLAP PARENT PHASES														



RING STRUCTURE

IF CALLED, ALL NON-CONFLICTING PHASES SHALL COMBINE AND TIME CONCURRENTLY. TIME TO BE DETERMINED BY THE ENGINEER AT SIGNAL TURN ON AND SET IN THE CONTROLLER BY THE CONTRACTOR.

LEGEND

- → — ACTUATED VEHICULAR MOVEMENT
- → — PARTIALLY RESTRICTED ACTUATED VEHICULAR MOVEMENT
- → — NON-ACTUATED VEHICULAR MOVEMENT
- → — PARTIALLY RESTRICTED NON-ACTUATED VEHICULAR MOVEMENT
- → — ACTUATED PEDESTRIAN MOVEMENT
- → — NON-ACTUATED PEDESTRIAN MOVEMENT
- ⊣ — VEHICLE STOPPED
- FDW — FLASHING DON'T WALK
- W — WALK
- DW — DON'T WALK
- R/W — RIGHT OF WAY INTERVAL
- YRt — YELLOW RIGHT ARROW
- RT. — GREEN RIGHT ARROW
- LY-YL — YELLOW LEFT ARROW
- L — GREEN LEFT ARROW
- S — GREEN STRAIGHT AHEAD ARROW
- G — CIRCULAR GREEN
- Y — CIRCULAR YELLOW
- R — CIRCULAR RED
- RL — RED LEFT ARROW
- Ø — TRAFFIC PHASE
- AO — ALL OTHERS
- FR — FLASHING RED
- FY — FLASHING CIRCULAR YELLOW
- FYL — FLASHING YELLOW LEFT ARROW

FLASHING OPERATION	
ALL	FR

CONTROLLER TYPE	NEMA

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF
ROUTE 366 & GEYER ROAD

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SIGNAL SHEET

ROUTE 366
GEYER ROAD

D-38A

STATE OF MISSOURI
JASON LAWRENCE C. JARQUIO NUMBER PE-2021011939
PROFESSIONAL ENGINEER
07/26/2024 3:22:22 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	309

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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PRO. LAND SURVEYOR 000059

JASON L. JARQUIO
PROFESSIONAL ENGINEER
PE-2021011939

REV.

SCALE
0 10 20 30

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STATE OF MISSOURI
JASON LAWRENCE C. JARQUIO
NUMBER PE-2021011939
PROFESSIONAL ENGINEER
07/26/2024 3:22:22 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED 7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	310

COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

INSTALL PED POLE #2
STA. 2033+13, 64.5' LT.
INSTALL SIGNAL/LIGHTING CONTROLLER
STA. 2033+04, 60.9' LT.
EXIST. SIGNAL CONTROLLER (R)
INSTALL SIGNAL POLE #1
STA. 2032+93, 54.3' LT.
INSTALL PAD MOUNTED SIGNAL POWER SUPPLY AND LIGHTING CONTROLLER WITH UPS
STA. 2032+75, 47.6' LT.
EXIST. SIGNAL POLE (R)
UIP EXIST. ITS CONDUIT R&R EXIST. FIBER W/ 24 SM-SINGLE MODE FIBER
INSTALL CLASS 5 ITS PULL BOX
STA. 2032+68, 52.5 LT.
SIGN B
INSTALL CLASS 3 PULL BOX #1
STA. 2033+10, 55.5' LT.
EXIST. PULL BOX (R)
D3-2 STREET SIGN
Sunset Office Dr
℄ SUNSET OFFICE DR
12' LANE
45' MAST ARM
PROP. ITS CONDUIT
2033+00
LEFT TURN YIELD ON FLASHING ARROW
R10-27a
D3-1 STREET SIGN
Watson Rd
INSTALL SIGNAL POLE #3
STA. 2033+97, 65.1' LT.
INSTALL CLASS 2 PULL BOX #2
STA. 2034+06, 65.6' LT.
50' MAST ARM
INSTALL SIGNAL POLE #4
STA. 2034+08, 52.9' LT.
EXIST. PULL BOX (R)
SIGN A
EXIST. SIGNAL POLE (R)
SIGN B
(PER MAP)
CONST. ℄ RTE. 366
2034+00
12' LANE
10' LANE
NEXT SIGNAL N/A SPEED LIMIT = 20
NEXT SIGNAL 970' U.S. ROUTE 66 SPEED LIMIT = 40 MPH
NEXT SIGNAL 1700' GEYER RD. SPEED LIMIT = 40 MPH
℄ SUNSET HILLS PLAZA
D3-2 STREET SIGN
Sunset Office Dr
D3-1 STREET SIGN
Watson Rd
INSTALL SIGNAL POLE #6
STA. 2033+78, 38' RT.
INSTALL PED POLE #5
STA. 2033+88, 35.2' RT.
EXIST. ITS PULL BOX (R)
EXIST. R/W
PROP. ITS PULL BOX
INSTALL CLASS 2 PULL BOX #4
STA. 2033+05, 33.5' RT.
EXIST. PULL BOX (R)
INSTALL SIGNAL POLE #7
STA. 2033+15, 44.3' RT.
35' MAST ARM
INSTALL CLASS 2 PULL BOX #3
STA. 2033+77, 46.0' RT.
LIGHTNG PULL BOX
PROP. LIGHT POLE (SEE ITS/LIGHTING SHEET)
PERM. ESM'T.
EXIST. ℄
T.C.E.
(UIP)
TMH
OLA
OLC
Ø1 Ø2 Ø3 Ø4 Ø5 Ø6 Ø7 Ø8

SIGN R10-3EL (A) OR SIGN R10-3ER (B)
INSTALLED ABOVE PUSH BUTTONS (INCLUDED IN COST FOR AUDIBLE PEDESTRIAN PUSH BUTTON)

SHEET 8 OF 95

SIGNAL SHEET

ROUTE 366
SUNSET OFFICE DRIVE/
SUNSET HILLS PLAZA

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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JASON L. JARQUIO
PROFESSIONAL ENGINEER
PE-2021011939

REV.

| POST NUMBER | PULL BOX NUMBER | LOCATION: APPROACH | LOCATION: STATION | LOCATION: OFFSET | BASE: A 9 | A 9.5 | A 10 | A 10.5 | A 11 | A 12 | BASE: F 9 | F 9.5 | F 10 | F 10.5 | F 11 | F 12 | BASE: C | BASE: CONCRETE** (CU. YDS.) | PULL BOX: PREFORMED CLASS 1 | CLASS 2 | CLASS 3 | CLASS 5 | PULL BOX: CONCRETE STANDARD | DOUBLE, TYPE A | DOUBLE, TYPE B | DRAIN TYPE* I | II A | II B | II C | POST: TOP MOUNT POST 8 FT. | 15 FT. | TYPE C & CL: ARM LENGTH 35' | 45' | 50' | SIGNAL SPACING B | C | D | D' | SIGN SPACING B | C | D | D' | TYPE B & BL: ARM LENGTH E | K | E | K | E | K | LEFT ARM E: SIGNAL SPACING F | G | H | H' | SIGN SPACING F | G | H | H' | RIGHT ARM K: SIGNAL SPACING L | M | N | N' | SIGN SPACING L | M | N | N' | INCLUDED ANGLE | LUMINAIRE BRACKET ARM* 4 FT. | 6 FT. | 8 FT. | 10 FT. | 12 FT. | 15 FT. |
|---|---|---

EFFECTIVE: 10-01-2015

CONDUIT (WITH #14 TRACER WIRE)

FROM	TO	CENTER TO CENTER DISTANCE	LOOP DET.	TRENCH				PUSHED			MEDIAN			ON STRUCTURE			REMARKS
			1"	2"	3"	4"	2" RIGID STEEL (2)	2"	3"	4"	2"	3"	4"	2"	3"		
PS	UPS	9'					(17')										FOR INFORMATIONAL PURPOSES
UPS		29'			33'												
UPS	1	31'			34'												FOR LUMINAIRE CABLE
	1	8'			22'												2-3"
1	1	12'			15'												
1	2	10'			11'												
1	2	100'							98'								
2	3	9'			12'												
2	4	13'			14'												
1	4	90'							88'								
4	7	13'			16'												
4	3	72'							70'								
3	5	16'			17'												
3	6	9'			12'												

CABLE

FROM	TO	CENTER TO CENTER DISTANCE	POWER		CONTROL				CLOSED LOOP INTERCONNECT	LUMINAIRE		DETECTOR		FIBER		REMARKS
			1c #2 (2)	1c #8	2c #16	5c #16	7c #16	3c #16	3 PAIR #16	CONTROL 2c #12	POLE & BRACKET 1c #10	VIDEO CABLE (1)	CCTV CABLE	SINGLE-MODE	MULTI-MODE	
PS	UPS	9'	(75')													FOR INFORMATIONAL PURPOSES
UPS		29'		135'												3-1c#8 CABLES
UPS	1	29'					100'									SIGNAL HEAD 21
1		29'					77'									SIGNAL HEAD 22
1		29'					110'									SIGNAL HEAD 51
1		29'										(105')				VIDEO V-1
2		18'				42'										PEDESTRIAN HEAD 23
2		18'			41'											PUSH BUTTON 23
3		118'					206'									SIGNAL HEAD 41
3		118'					193'									SIGNAL HEAD 42
3		118'					182'									SIGNAL HEAD 43
3		118'										(200')				VIDEO V-4
3		118'				148'										PEDESTRIAN HEAD 24
3		118'			147'											PUSH BUTTON 24
4		121'				152'										PEDESTRIAN HEAD 44
4		121'			150'											PUSH BUTTON 44
5		186'				223'										PEDESTRIAN HEAD 45
5		186'			221'											PUSH BUTTON 45
6		179'					269'									SIGNAL HEAD 11
6		179'					258'									SIGNAL HEAD 61
6		179'					220'									SIGNAL HEAD 62
6		179'										(263')				VIDEO V-3
6		179'				216'										PEDESTRIAN HEAD 63
6		179'			214'											PUSH BUTTON 63
7		99'					171'									SIGNAL HEAD 31
7		99'					157'									SIGNAL HEAD 32
7		99'					132'									SIGNAL HEAD 33
7		99'										(164')				VIDEO V-2
7		99'				129'										PEDESTRIAN HEAD 64
7		99'			128'											PUSH BUTTON 64
1	UPS	42'								45'	100'					LUMINAIRE
3	UPS	147'								158'	94'					LUMINAIRE
6	UPS	208'								225'	94'					LUMINAIRE
7	UPS	141'								147'	104'					LUMINAIRE

| | | | | | | | | | | | | |

EFFECTIVE 04-01-2018

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POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING*				LIGHTING CONTROL * (ON POWER SUPPLY)		SERVICE POLE	
					CONTROLLER		POWER SUPPLY DISCONNECT					
							MAIN BREAKER					
APPROACH	STATION	OFFSET	DRAWING 902.15	SPECIAL DRAWING (4)	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	SIGNALS	LIGHTING	120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
ROUTE 366	2032+79	49.3' LT	Typo	1	15 Amps	30 Amps	40 Amps	100 Amps	1	15 Amps	CL	EX
			Typo	-	- Amps	Amps	Amps	Amps		Amps	CL	

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF* SWITCH		COORDINATION INTERFACE *						TIME * CLOCK	NEMA CABINET TYPE *			170 CABINET TYPE *		170 SOFTWARE *	
							TYPE		12C/7C HARDWIRE (1)		TIME BASE	CLOSED LOOP		FIBER								
APPROACH	STATION	OFFSET	NEMA	170	NEMA	170	I	II	MASTER	LOCAL		NEMA	170			E	EV	DOUBLE	332	336S	BITRAN	WAPITI
ROUTE 366	2033+04	60.9' LT			1									1			1					

SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM (3)

TOTAL = 1 EACH

NETWORK CONNECTED SIGNAL MONITOR

TOTAL = 1 EACH

COMBINATION PAD MOUNTED 120V/240V POWER SUPPLY AND LIGHTING CONTROLLER WITH UPS

TOTAL = 1 EACH

NOTE: BID PRICE FOR PAD MOUNTED POWER SUPPLY/CONTROLLER SHALL INCLUDE CABLE (#2 AWG.), RIGID STEEL CONDUIT, AND TRENCHING BETWEEN ASSEBBLY AND UTILITY COMPANY FACILITIES.

SIGNAL SIGNS

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
	R10-10L	24 X 30	5.0		
	R10-10R	24 X 30	5.0		
	R3-5L	30 X 36	7.5		
	R3-5R	30 X 36	7.5		
	R3-5A	30 X 36	7.5		
1	R3-6L	30 X 36	7.5	7.5	1
	R3-6R	30 X 36	7.5		
	R3-2	24 X 24	4.0		
	R3-1	24 X 24	4.0		
	R3-3	24 X 24	4.0		
	D3-1 ***	VAR. X 18			
2	D3-1B ***	72 X 18	9.0	18.0	4
2	D3-1B ***	96 X 18	12.0	24.0	4
2	R10-3ER	9 X 15	0.9	1.8**	2**
4	R10-3EL	9 X 15	0.9	3.6**	4**
	R10-11A	24 X 30	5.0		
	R10-13	36 X 24	6.0		
2	R10-27A	30 X 36	7.5	15.0	2
			SUBTOTAL	69.9	17
			TOTAL	65	11

DETECTOR SCHEDULE

DETECTOR NUMBER	APPROACH	TYPE				
		AUDIBLE PUSH BUTTON	INDUCTION LOOP (2)			OPTIONAL DETECTION (3)
			STANDARD	DELAY/ EXTEND *	CALL UNIT *	
41, 42, & 43	NB SUNSET HILLS PLAZA					V4
44	SUNSET HILLS PLAZA	1				
45	SUNSET HILLS PLAZA	1				
31, 32 & 33	SB SUNSET HILLS PLAZA					V2
11, 61 & 62	EB ROUTE 366					V3
63	ROUTE 366	1				
64	ROUTE 366	1				
51, 21 & 22	WB ROUTE 366					V1
23	ROUTE 366	1				
24	ROUTE 366	1				
TOTAL		6				4

INSTALL MODOT FURNISHED TRAFFIC SIGNAL CONTROLLER

TOTAL = 1 EACH

** NOTE: NO DIRECT PAY FOR REQUIRED R10-3E SIGNS AND MOUNTING HARDWARE TO BE INCLUDED AS INCIDENTAL TO THE COST OF THE PUSH BUTTON.

* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

*** USE D3-1 FOR ONE LINE. USE D3-1B FOR TWO LINE.

(1) MoDOT "D" PLUG SHALL BE WIRED INTO ALL NEMA CONTROLLERS WITH 7C HARDWIRE INTERCONNECT.

(2) PAYMENT IS MADE FOR THE NUMBER OF 2-CHANNEL DETECTOR CARDS AS SHOWN BELOW THE ASSIGNMENT CHART.

(3) SEE SL DISTRICT TRAFFIC SIGNAL DETECTION JSP FOR ADDITIONAL DETAILS. SIGNAL DETECTION SHALL BE PAID AS 1 PER INTERSECTION. THE CONTRACTOR SHALL PROVIDE AND INSTALL A VEHICLE DETECTION SYSTEM FULLY COVERING DETECTION ZONES AS SHOWN ON THE PLANS. THE METHOD CHOSEN SHALL COMPLY WITH MODOT'S STANDARDS AND SPECIFICATIONS. ALL EQUIPMENT USED IN THE SYSTEM SHALL BE IN ACCORDANCE WITH MODOT'S APPROVED PRODUCT LIST AND RECEIVE ST. LOUIS DISTRICT APPROVAL PRIOR TO INSTALLATION. THIS WILL BE A COMPLETE UNIT WITH ALL COSTS INCLUDED.

(4) POWER SUPPLY SHALL BE PAD MOUNTED 120V/240V POWER SUPPLY & LIGHTING CONTROLLER WITH UNINTERRUPTIBLE POWER SUPPLY. SEE DETAILS.

NEMA DETECTOR ASSIGNMENT

		CARD POSITION							
		1	2	3	4	5	6	7	8
CHANNEL	1		SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM (3)						
	2								

TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = (2)

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Ø1 EBL	Ø2 WB	Ø3 SB	Ø4 NB	Ø5 WBL	Ø6 EB	NOT USED	NOT USED	OLA	NOT USED	OLC	NOT USED	PED 2	PED 4	PED 6	NOT USED

ROUTE 366 & SUNSET OFFICE DRIVE/ SUNSET HILLS PLAZA

INTERSECTION

SHEET 11 OF 95

SIGNAL SHEET

ROUTE 366 SUNSET OFFICE DRIVE/ SUNSET HILLS PLAZA

D-37C

JASON LAWRENCE C. JARQUIO NUMBER PE-2021011939 STATE OF MISSOURI PROFESSIONAL ENGINEER

07/26/2024 3:22:24 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED 7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	313

COUNTY ST. LOUIS

JOB NO. J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr., Ste 300
Chesterfield, Missouri 63017
636.240.2444
www.gbateam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

JASON L. JAROUIO
PROFESSIONAL ENGINEER
PE-2021011939

REV.

EFFECTIVE 12-01-17

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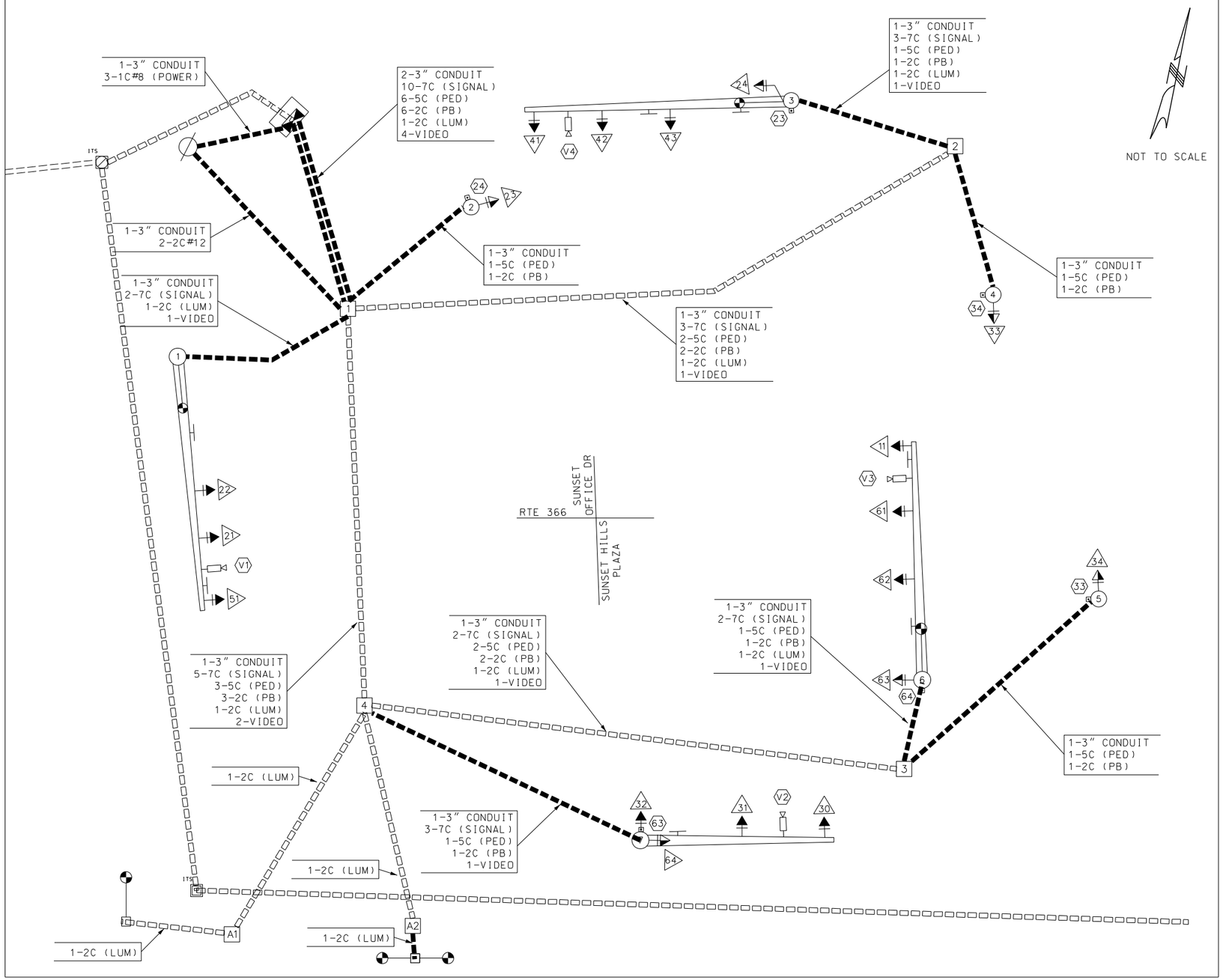
WIRING DIAGRAM



LEGEND

3"	CONDUIT CONTAINING CABLE WITH SIZE
	CABLE
X-Xc	MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
LIC	#14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
X	PULL BOX WITH NUMBER
X	POST WITH NUMBER
X	POST WITH MAST ARM
X	POST WITH MAST ARM AND LUMINAIRE
X	DETECTOR WITH NUMBER
X	SIGNAL HEAD WITH NUMBER
	SIGNAL CONTROLLER
	POWER SUPPLY
	LIGHTING CONTROLLER
	CCTV CAMERA
	OPTICOM
	VIDEO DETECTOR

ROUTE 366 & SUNSET OFFICE DRIVE/SUNSET HILLS PLAZA

INTERSECTION

SHEET 12 OF 95

SIGNAL SHEET

ROUTE 366
SUNSET OFFICE DRIVE/
SUNSET HILLS PLAZA

D-37D

STATE OF MISSOURI
JASON LAWRENCE C. JARQUIO
NUMBER PE-2021011939
PROFESSIONAL ENGINEER
07/26/2024 3:22:24 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	314

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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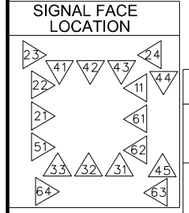
JASON L. JARQUIO
PROFESSIONAL ENGINEER
PE-2021011939

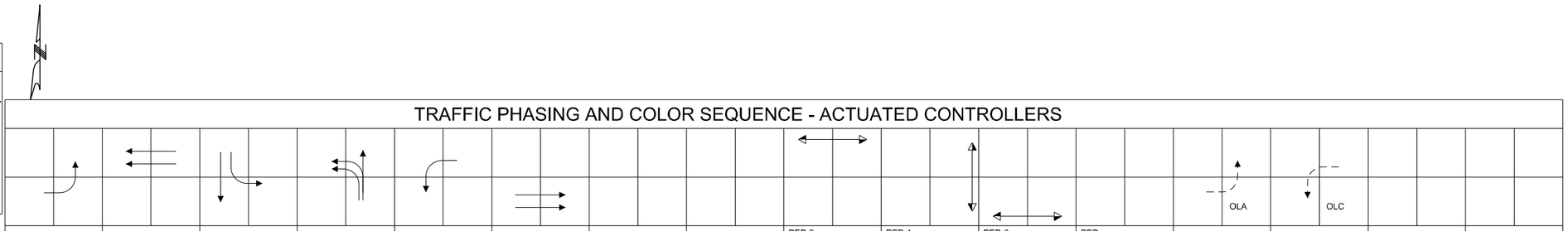
REV.

EFFECTIVE 12/01/2017

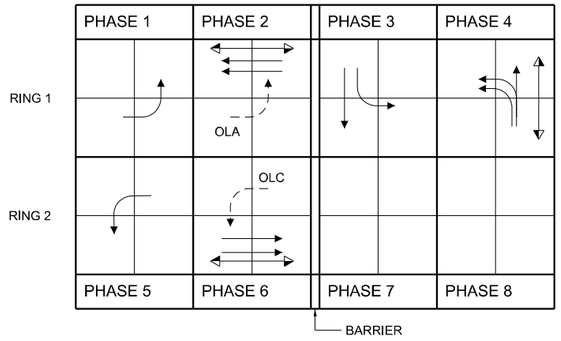
SIGNAL FACE LOCATION



TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS



	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	PED 2 OVERLAP	PED 4 OVERLAP	PED 6 OVERLAP	PED OVERLAP	OVERLAP A	OVERLAP C	
FACE NUMBERS	11	21 22	31 32 33	41 42 43	51	61 62			23 24	44 45	63 64		11	51	FACE NUMBERS
SIGNAL INDICATIONS R		R	RL R	RL R R		R			DW	DW	DW		RL	RL	R
SIGNAL INDICATIONS Y		Y	YL Y	YL Y Y		Y							YL	YL	Y
SIGNAL INDICATIONS FYA													FYL	FYL	FYA
SIGNAL INDICATIONS G	L	G	L G	L S G G	L	G			W	W	W				G
DETECTOR ASSIGNMENTS	11	21 22	31 32 33	41 42 43	51	61 62									DETECTOR ASSIGNMENTS
DETECTOR ASSIGNMENTS (PEDS. ONLY)									23 24	44 45	63 64				
OVERLAP PARENT PHASES													2	6	



RING STRUCTURE

IF CALLED, ALL NON-CONFLICTING PHASES SHALL COMBINE AND TIME CONCURRENTLY. TIME TO BE DETERMINED BY THE ENGINEER AT SIGNAL TURN ON AND SET IN THE CONTROLLER BY THE CONTRACTOR.

LEGEND

- → — ACTUATED VEHICULAR MOVEMENT
- → — PARTIALLY RESTRICTED ACTUATED VEHICULAR MOVEMENT
- → — NON-ACTUATED VEHICULAR MOVEMENT
- → — PARTIALLY RESTRICTED NON-ACTUATED VEHICULAR MOVEMENT
- → — ACTUATED PEDESTRIAN MOVEMENT
- → — NON-ACTUATED PEDESTRIAN MOVEMENT
- ⊣ — VEHICLE STOPPED
- FDW — FLASHING DON'T WALK
- W — WALK
- DW — DON'T WALK
- R/W — RIGHT OF WAY INTERVAL
- YRt — YELLOW RIGHT ARROW
- RT. — GREEN RIGHT ARROW
- LY-YL — YELLOW LEFT ARROW
- L — GREEN LEFT ARROW
- S — GREEN STRAIGHT AHEAD ARROW
- G — CIRCULAR GREEN
- Y — CIRCULAR YELLOW
- R — CIRCULAR RED
- RL — RED LEFT ARROW
- Ø — TRAFFIC PHASE
- AO — ALL OTHERS
- FR — FLASHING RED
- FY — FLASHING CIRCULAR YELLOW
- FYL — FLASHING YELLOW LEFT ARROW

FLASHING OPERATION	
ALL	FR

CONTROLLER TYPE	NEMA

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF
ROUTE 366 & SUNSET OFFICE DRIVE / SUNSET OFFICE DRIVE

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STATE OF MISSOURI
JASON LAWRENCE C. JARQUIO NUMEIER
PE-2021011939
PROFESSIONAL ENGINEER
07/26/2024 3:22:24 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED 7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	315

COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

JASON L. JARQUIO
PROFESSIONAL ENGINEER
PE-2021011939

SIGNAL SHEET

ROUTE 366
SUNSET OFFICE DRIVE/
SUNSET HILLS PLAZA

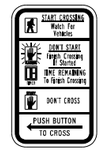
D-38A

REV.

SCALE
0 10 20 30

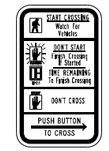
EXIST. R/W
T.C.E.
INSTALL SIGNAL POLE #6
STA. 2040+69, 47.4' LT
INSTALL CLASS 2 PULL BOX #4
STA. 2040+65, 44.9' LT
EXIST. PULL BOX (R)
SIGN A
DW W
R3-1
EXIST. SIGNAL POLE (R)
EXIST. PULLBOX (R)
D3-1 STREET SIGN
Watson Rd
45' MAST ARM
12' LANE
LEFT TURN YIELD ON FLASHING ARROW
R10-12a
INSTALL SIGNAL POLE #4
STA. 2040+70, 2.4' LT
CONST. ℄ RTE. 366
30' MAST ARM
INSTALL CLASS 2 PULL BOX #3
STA. 2040+69, 1.7' RT
TURNING VEHICLES
R10-15R
NO TURN ON RED
R10-11a
INSTALL SIGNAL POLE #3
STA. 2040+90, 4.4' RT
SIGN A
INSTALL SIGNAL POLE #2
STA. 2040+83, 4.4' RT
INSTALL CLASS 2 PULL BOX #2
STA. 2040+93, 44.8' RT
NEXT SIGNAL 970'
SUNSET OFFICE DR.
SPEED LIMIT = 40 MPH
INSTALL SIGNAL POLE #5
STA. 2040+83, 44.4' RT
SIGN B
UIP EXIST. ITS CONDUIT
R&R EXIST. FIBER W/ 24
SM-SINGLE MODE FIBER
20' LANE
EXIST. R/W
R 335'
R 350'
℄ EB RTE. 366
OFF RAMP
HYD
NEXT SIGNAL 695'
SUNSET HILLS PLAZA
SPEED LIMIT = 35 MPH
NEXT SIGNAL 1170'
I-44
SPEED LIMIT = 55 MPH
STORM
EXIST. PULL BOX (R)
Ø1 Ø2 Ø3 Ø4
Ø5 Ø6 Ø7 Ø8
OLA
EXIST. ITS CONDUIT
12' LANE
10' LANE
35' MAST ARM
EXIST. ITS CONDUIT
NEXT SIGNAL 410'
U.S. ROUTE 66
SPEED LIMIT = 40 MPH
EXIST. SIGNAL POLE (R)
INSTALL CLASS 3 PULL BOX #1
STA. 2041+62, 51.0' RT
STORM
TMH
EXIST. PULL BOX (R)
EXIST. SIGNAL CONTROLLER (R)
EXIST. ITS PULL BOX (UIP)
INSTALL SIGNAL CONTROLLER
STA. 2041+62, 53.1' RT
INSTALL SIGNAL POLE #1
STA. 2041+75, 51.7' RT
EXISTING POWER SOURCE
STA. 2041+77, 65.5' RT
INSTALL PAD MOUNTED SIGNAL
POWER SUPPLY AND LIGHTING
CONTROLLER WITH UPS
STA. 2041+71, 65.3' RT
2040+00
2041+00
2042+00

INSTALLED ABOVE PUSH BUTTONS
(INCLUDED IN COST FOR AUDIBLE PEDESTRIAN PUSH BUTTON)



SIGN R10-3EL
A

OR



SIGN R10-3ER
B

SHEET 14 OF 95

SIGNAL SHEET

ROUTE 366
SB US ROUTE 50

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STATE OF MISSOURI
JASON LAWRENCE C. JARQUIO
NUMBER PE-2021011939
PROFESSIONAL ENGINEER
07/26/2024 3:22:25 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	316

COUNTY
ST. LOUIS
JOB NO.
J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION
DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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JASON L. JARQUIO
PROFESSIONAL ENGINEER
PE-2021011939

REV.

| POST NUMBER | PULL BOX NUMBER | LOCATION: APPROACH | LOCATION: STATION | LOCATION: OFFSET | BASE: A 9 | A 9.5 | A 10 | A 10.5 | A 11 | A 12 | BASE: F 9 | F 9.5 | F 10 | F 10.5 | F 11 | F 12 | BASE: C | BASE: CONCRETE** (CU. YDS.) | PULL BOX: PREFORMED CLASS 1 | CLASS 2 | CLASS 3 | CLASS 5 | PULL BOX: CONCRETE STANDARD | DOUBLE, TYPE A | DOUBLE, TYPE B | DRAIN TYPE* I | II A | II B | II C | POST: TOP MOUNT POST 8 FT. | 15 FT. | TYPE C & CL: ARM LENGTH 30' | 35' | 45' | A | SIGNAL SPACING B | C | D | D' | SIGN SPACING B | C | D | D' | TYPE B & BL: ARM LENGTH E | K | E | K | E | K | LEFT ARM E SIGNAL SPACING F | G | H | H' | SIGN SPACING F | G | H | H' | RIGHT ARM K SIGNAL SPACING L | M | N | N' | SIGN SPACING L | M | N | N' | INCLUDED ANGLE | LUMINAIRE BRACKET ARM* 4 FT. | 6 FT. | 8 FT. | 10 FT. | 12 FT. | 15 FT. |
|---|---|---

EFFECTIVE: 10-01-2015

CONDUIT (WITH #14 TRACER WIRE)

FROM	TO	CENTER TO CENTER DISTANCE	LOOP DET.	TRENCH				PUSHED			MEDIAN			ON STRUCTURE			REMARKS
			1"	2"	3"	4"	2" RIGID STEEL (2)	2"	3"	4"	2"	3"	4"	2"	3"		
PS	UPS	6'					(14')										FOR INFORMATIONAL PURPOSES
UPS		15'			19'												
	1	2'			10'											2-3"	
1	1	14'			17'												
2	1	70'							68'								
5	2	11'			12'												
3	2	50'							48'								
2	3	14'			15'												
3	3	22'			25'												
4	3	4'			5'												
4	3	44'							42'								
6	4	5'			8'												

EFFECTIVE 04-01-2018

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POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING*				LIGHTING CONTROL * (ON POWER SUPPLY)		SERVICE POLE	
					CONTROLLER		POWER SUPPLY DISCONNECT					
							MAIN BREAKER					
APPROACH	STATION	OFFSET	DRAWING 902.15	SPECIAL DRAWING (4)	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	SIGNALS	LIGHTING	120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
ROUTE 366	2041+76	57.3' RT	Typo	1	15 Amps	30 Amps	100 Amps	100 Amps	1	15 Amps	GI, Fu,	EX
			Typo	-	- Amps	Amps	Amps	Amps		Amps	GI, Fu,	

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF* SWITCH		COORDINATION INTERFACE *						TIME * CLOCK	NEMA CABINET TYPE *			170 CABINET TYPE *		170 SOFTWARE *	
							TYPE		12C/7C HARDWIRE (1)		TIME BASE	CLOSED LOOP		FIBER								
APPROACH	STATION	OFFSET	NEMA	170	NEMA	170	I	II	MASTER	LOCAL		NEMA	170			E	EV	DOUBLE	332	336S	BITRAN	WAPITI
ROUTE 366	2041+62	53.1' RT			1									1			1					

SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM (3)

TOTAL = 1 EACH

NETWORK CONNECTED SIGNAL MONITOR

TOTAL = 1 EACH

COMBINATION PAD MOUNTED 120V/240V POWER SUPPLY AND LIGHTING CONTROLLER WITH UPS

TOTAL = 1 EACH

BID PRICE FOR PAD MOUNTED POWER SUPPLY/CONTROLLER SHALL INCLUDE CABLE (#2 AWG.), RIGID STEEL CONDUIT, AND TRENCHING BETWEEN ASSEMBLY AND UTILITY COMPANY FACILITIES.

SIGNAL SIGNS

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
	R10-10L	24 X 30	5.0		
	R10-10R	24 X 30	5.0		
	R3-5L	30 X 36	7.5		
	R3-5R	30 X 36	7.5		
	R3-5A	30 X 36	7.5		
	R3-6L	30 X 36	7.5		
	R3-6R	30 X 36	7.5		
	R3-2	24 X 24	4.0		
1	R3-1	24 X 24	4.0	4.0	1
	R3-3	24 X 24	4.0		
	D3-1 ***	VAR. X 18			
1	D3-1B ***	72 X 18	9.0	9.0	1
2	R10-3EL	9 X 15	0.9	1.8**	2**
2	R10-3ER	9 X 15	0.9	1.8**	2**
1	R10-11A	24 X 30	5.0	5.0	1
	R10-13	36 X 24	6.0		
1	R10-15R	30 X 30	6.25	6.25	1
1	R10-27A	30 X 36	7.5	7.5	1
	SUBTOTAL			35.35	9
	TOTAL			32	5

DETECTOR SCHEDULE

DETECTOR NUMBER	APPROACH	TYPE				
		AUDIBLE PUSH BUTTON	INDUCTION LOOP (2)			OPTIONAL DETECTION (3)
			STANDARD	DELAY/ EXTEND *	CALL UNIT *	
51, 21, 22	WB ROUTE 366					V3
61, 62	EB ROUTE 366					V1
31, 32, 33	SB US ROUTE 50					V2
34	WB ROUTE 366	1				
35	WB ROUTE 366	1				
36	WB ROUTE 366	1				
37	WB ROUTE 366	1				
TOTAL		4				

INSTALL MODOT FURNISHED TRAFFIC SIGNAL CONTROLLER

TOTAL = 1 EACH

** NOTE: NO DIRECT PAY FOR REQUIRED R10-3E SIGNS AND MOUNTING HARDWARE TO BE INCLUDED AS INCIDENTAL TO COST OF THE PUSH BUTTON.

* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

*** USE D3-1 FOR ONE LINE. USE D3-1B FOR TWO LINE.

(1) MoDOT "D" PLUG SHALL BE WIRED INTO ALL NEMA CONTROLLERS WITH 7C HARDWIRE INTERCONNECT.

(2) PAYMENT IS MADE FOR THE NUMBER OF 2-CHANNEL DETECTOR CARDS AS SHOWN BELOW THE ASSIGNMENT CHART.

(3) SEE SL DISTRICT TRAFFIC SIGNAL DETECTION JSP FOR ADDITIONAL DETAILS. SIGNAL DETECTION SHALL BE PAID AS 1 PER INTERSECTION. THE CONTRACTOR SHALL PROVIDE AND INSTALL A VEHICLE DETECTION SYSTEM FULLY COVERING DETECTION ZONES AS SHOWN ON THE PLANS. THE METHOD CHOSEN SHALL COMPLY WITH MODOT'S STANDARDS AND SPECIFICATIONS. ALL EQUIPMENT USED IN THE SYSTEM SHALL BE IN ACCORDANCE WITH MODOT'S APPROVED PRODUCT LIST AND RECEIVE ST. LOUIS DISTRICT APPROVAL PRIOR TO INSTALLATION. THIS WILL BE A COMPLETE UNIT WITH ALL COSTS INCLUDED.

(4) POWER SUPPLY SHALL BE PAD MOUNTED 120V/240V POWER SUPPLY & LIGHTING CONTROLLER WITH UNINTERRUPTIBLE POWER SUPPLY. SEE DETAILS.

NEMA DETECTOR ASSIGNMENT

		CARD POSITION							
		1	2	3	4	5	6	7	8
CHANNEL	1	-	SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM (3)						-
	2	-	-	-	-	-	-	-	-

TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = (2)

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NOT USED	Ø 2 WB	Ø 3 SB	NOT USED	Ø 5 WBL	Ø 6 EB	NOT USED	NOT USED	OLA	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	Ø 3 PED	NOT USED

SHEET 17 OF 95

ROUTE 366 & SB US ROUTE 50
INTERSECTION

SIGNAL SHEET

ROUTE 366
SB US ROUTE 50

D-37C

JASON LAWRENCE C. JARQUIO NUMBER PE-2021011939 PROFESSIONAL ENGINEER
STATE OF MISSOURI
07/26/2024 3:22:26 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED 7/26/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 319
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr. Ste 300
Chesterfield, Missouri 63017
636.240.2444
www.gbateam.com
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

JASON L. JARQUIO
PROFESSIONAL ENGINEER
PE-2021011939

REV.

EFFECTIVE 12-01-17

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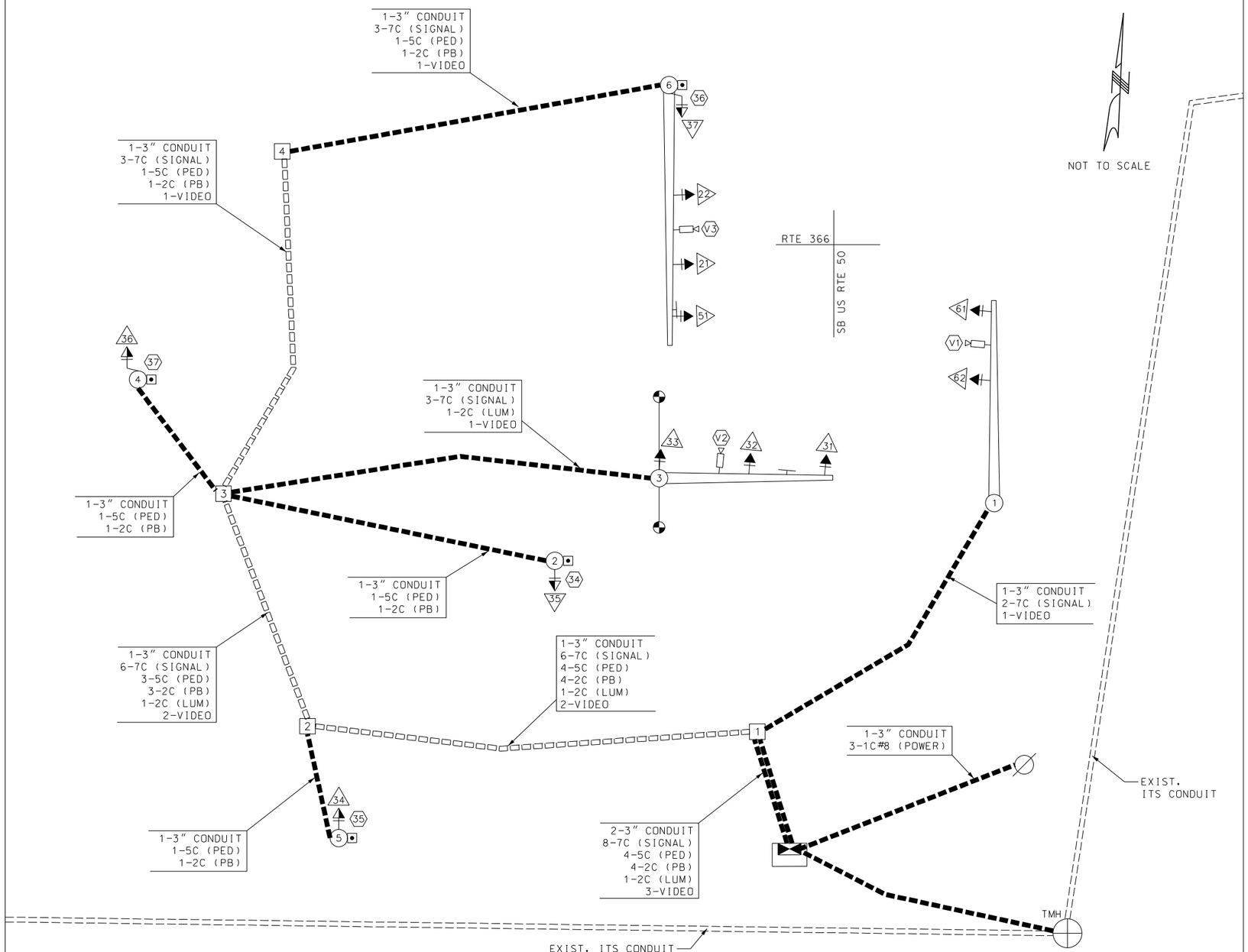
WIRING DIAGRAM



LEGEND

- 3" — CONDUIT CONTAINING CABLE WITH SIZE
- CABLE
- X-Xc — MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
- LIC — #14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
- X — PULL BOX WITH NUMBER
- X — POST WITH NUMBER
- X — POST WITH MAST ARM
- X — POST WITH MAST ARM AND LUMINAIRE
- X — DETECTOR WITH NUMBER
- X — SIGNAL HEAD WITH NUMBER
- SIGNAL CONTROLLER
- POWER SUPPLY
- LIGHTING CONTROLLER
- CCTV CAMERA
- OPTICOM
- VIDEO DETECTOR

SHEET 18 OF 95

ROUTE 366 & SB US ROUTE 50
INTERSECTION

SIGNAL SHEET

ROUTE 366
SB US ROUTE 50

D-37D

STATE OF MISSOURI
JASON LAWRENCE C. JARQUIO NUMBER PE-2021011939
PROFESSIONAL ENGINEER
07/26/2024 3:22:26 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED 7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	320

COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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JEFFERSON CITY, MO 65102
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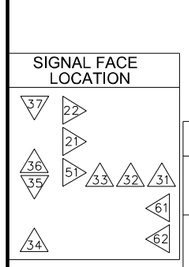
PRO. LAND SURVEYOR 000059

JASON L. JARQUIO
PROFESSIONAL ENGINEER
PE-2021011939

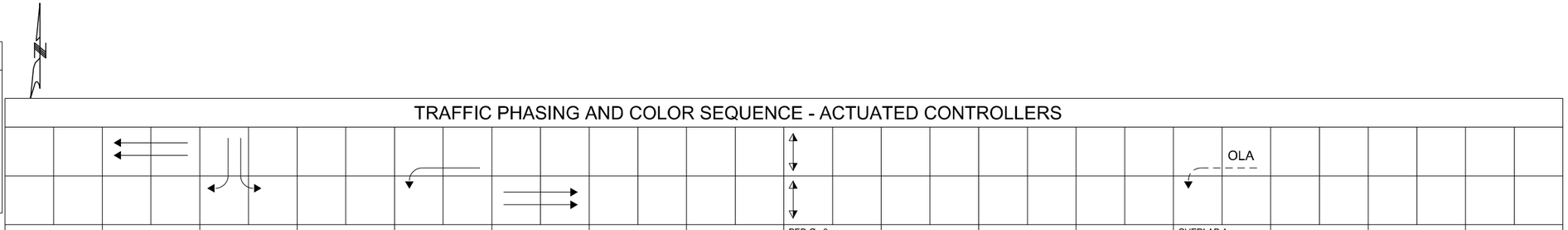
REV.

EFFECTIVE 12/01/2017

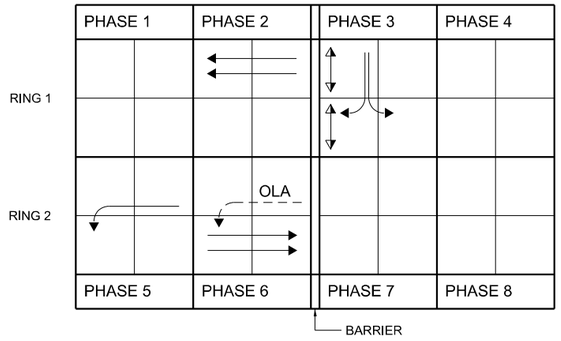
SIGNAL FACE LOCATION



TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS



	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	PED Ø 3 / OVERLAP		OVERLAP A	
FACE NUMBERS		21 22	31 32 33		51	61 62			34 35	36 37	51	FACE NUMBERS
SIGNAL INDICATIONS R		R	RL	R		R			DW	DW	RL	R
SIGNAL INDICATIONS Y		Y	YL	Y		Y					YL	Y
SIGNAL INDICATIONS FYA											FYL	FYA
SIGNAL INDICATIONS G		G	L	G	L	G			W	W		G
DETECTOR ASSIGNMENTS		21 22	31	32 33	31	61 62						DETECTOR ASSIGNMENTS
DETECTOR ASSIGNMENTS (PEDS. ONLY)									34 35	36 37		
OVERLAP PARENT PHASES											6	



RING STRUCTURE

IF CALLED, ALL NON-CONFLICTING PHASES SHALL COMBINE AND TIME CONCURRENTLY. TIME TO BE DETERMINED BY THE ENGINEER AT SIGNAL TURN ON AND SET IN THE CONTROLLER BY THE CONTRACTOR.

LEGEND

- → — ACTUATED VEHICULAR MOVEMENT
- → — PARTIALLY RESTRICTED ACTUATED VEHICULAR MOVEMENT
- → — NON-ACTUATED VEHICULAR MOVEMENT
- → — PARTIALLY RESTRICTED NON-ACTUATED VEHICULAR MOVEMENT
- → — ACTUATED PEDESTRIAN MOVEMENT
- → — NON-ACTUATED PEDESTRIAN MOVEMENT
- ⊣ — VEHICLE STOPPED
- FDW — FLASHING DON'T WALK
- W — WALK
- DW — DON'T WALK
- R/W — RIGHT OF WAY INTERVAL
- YRt — YELLOW RIGHT ARROW
- RT. — GREEN RIGHT ARROW
- LY-YL — YELLOW LEFT ARROW
- L — GREEN LEFT ARROW
- S — GREEN STRAIGHT AHEAD ARROW
- G — CIRCULAR GREEN
- Y — CIRCULAR YELLOW
- R — CIRCULAR RED
- RL — RED LEFT ARROW
- Ø — TRAFFIC PHASE
- AO — ALL OTHERS
- FR — FLASHING RED
- FY — FLASHING CIRCULAR YELLOW
- FYL — FLASHING YELLOW LEFT ARROW

FLASHING OPERATION	
ALL	FR

CONTROLLER TYPE	NEMA

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF
ROUTE 366 & SB US ROUTE 50

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STATE OF MISSOURI
JASON LAWRENCE C. JARQUIO NUMEIER
PE-2021011939
PROFESSIONAL ENGINEER
07/26/2024 3:22:26 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED 7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	321

COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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ARCHITECT 000212
PRO. LAND SURVEYOR 000059

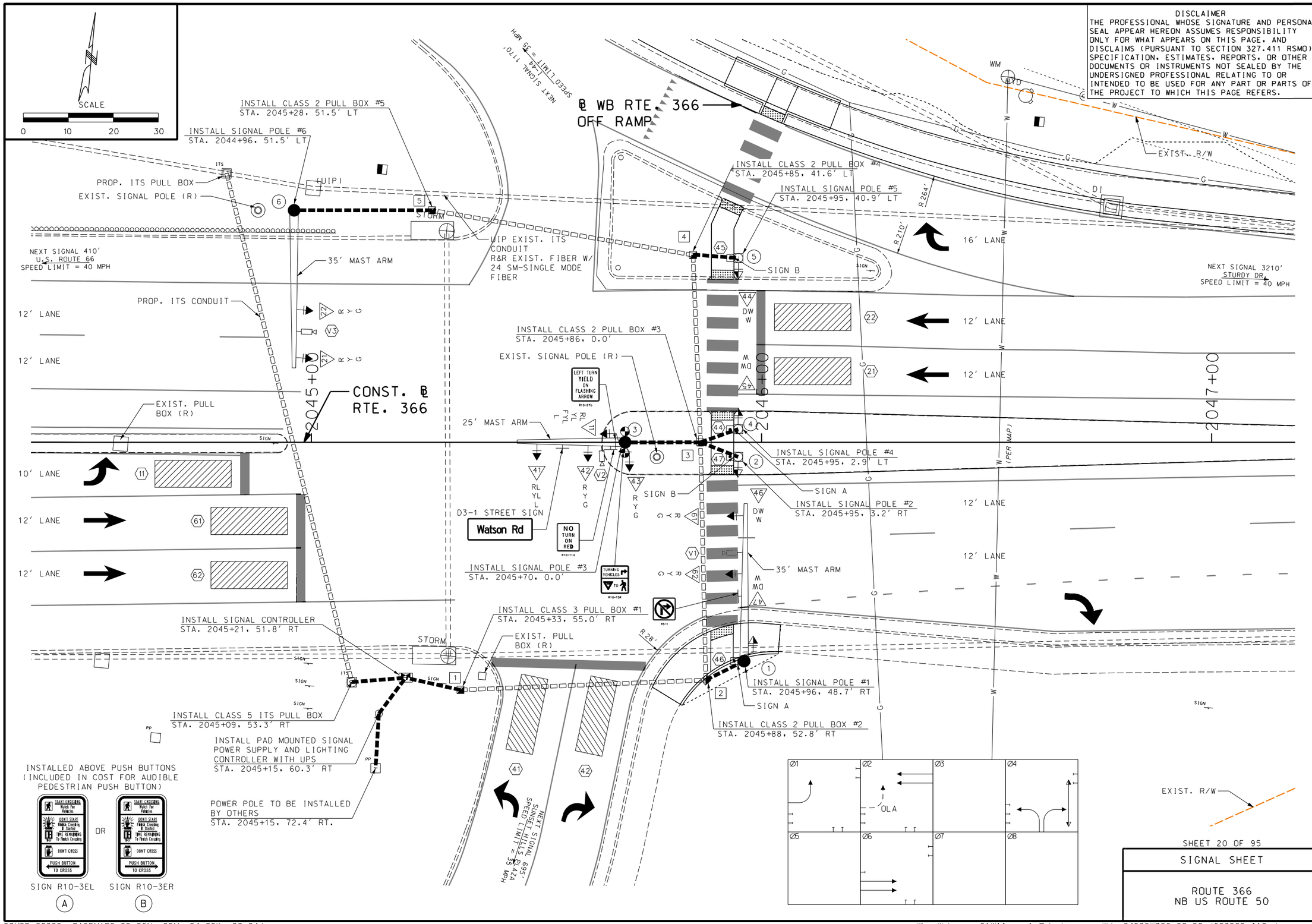
JASON L. JARQUIO
PROFESSIONAL ENGINEER
PE-2021011939

REV.

SIGNAL SHEET

ROUTE 366
SB US ROUTE 50

D-38A



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STATE OF MISSOURI
JASON LAWRENCE C. JARQUIO
NUMBER PE-2021011939
PROFESSIONAL ENGINEER

07/26/2024 3:22:27 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED	7/26/2024
MO ROUTE	366
STATE	MO
DISTRICT	SL
SHEET NO.	322
COUNTY	ST. LOUIS
JOB NO.	J6S3582
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

DATE

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JASON L. JARQUIO
PROFESSIONAL ENGINEER
PE-2021011939

SHEET 20 OF 95

SIGNAL SHEET

ROUTE 366
NB US ROUTE 50

REV.

| POST NUMBER | PULL BOX NUMBER | LOCATION: APPROACH | LOCATION: STATION | LOCATION: OFFSET | BASE: A 9 | A 9.5 | A 10 | A 10.5 | A 11 | A 12 | BASE: F 9 | F 9.5 | F 10 | F 10.5 | F 11 | F 12 | BASE: C | BASE: CONCRETE** (CU. YDS.) | PULL BOX: PREFORMED CLASS 1 | CLASS 2 | CLASS 3 | CLASS 5 | PULL BOX: CONCRETE STANDARD | DOUBLE, TYPE A | DOUBLE, TYPE B | DRAIN TYPE* I | II A | II B | II C | POST: TOP MOUNT POST 8 FT. | 15 FT. | TYPE C & CL: ARM LENGTH 25' | 35' | SIGNAL SPACING A | A | SIGN SPACING B | C | D | D' | TYPE B & BL: ARM LENGTH B | C | D | D' | LEFT ARM E: SIGNAL SPACING E | K | E | K | SIGN SPACING E | K | RIGHT ARM K: SIGNAL SPACING F | G | H | H' | SIGN SPACING F | G | H | H' | INCLUDED ANGLE | LUMINAIRE BRACKET ARM* L | M | N | N' | L | M | N | N' | 4 FT. | 6 FT. | 8 FT. | 10 FT. | 12 FT. | 15 FT. |
|---|---|---

EFFECTIVE: 10-01-2015

CONDUIT (WITH #14 TRACER WIRE)

FROM	TO	CENTER TO CENTER DISTANCE	LOOP DET.	TRENCH				PUSHED			MEDIAN			ON STRUCTURE			REMARKS
			1"	2"	3"	4"	2" RIGID STEEL (2)	2"	3"	4"	2"	3"	4"	2"	3"		
PS	UPS	12'					(16')										FOR INFORMATIONAL PURPOSES
UPS		10'			14'												
	1	13'			32'												2-3"
2	1	55'							106'								2-3"
1	2	10'			13'												
3	2	53'							51'								
2	3	9'			10'												
3	3	17'			20'												
4	3	9'			10'												
4	3	42'							40'								
5	4	10'			11'												
5	4	59'							57'								
6	5	31'			34'												

EFFECTIVE 04-01-2018

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POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING*				LIGHTING CONTROL * (ON POWER SUPPLY)		SERVICE POLE	
					CONTROLLER		POWER SUPPLY DISCONNECT					
							MAIN BREAKER					
APPROACH	STATION	OFFSET	DRAWING 902.15	SPECIAL DRAWING (4)	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	SIGNALS	LIGHTING	120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
ROUTE 366	2045+45	60.3' RT	Typo	1	15 Amps	30 Amps	100 Amps	100 Amps	1	15 Amps	CL FL	EX
			Typo	-	- Amps	Amps	Amps	Amps		Amps	CL FL	

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF* SWITCH		COORDINATION INTERFACE *						TIME * CLOCK	NEMA CABINET TYPE *			170 CABINET TYPE *		170 SOFTWARE *	
							TYPE		12C/7C HARDWIRE (1)		TIME BASE	CLOSED LOOP		FIBER								
APPROACH	STATION	OFFSET	NEMA	170	NEMA	170	I	II	MASTER	LOCAL		NEMA	170			E	EV	DOUBLE	332	336S	BITRAN	WAPITI
ROUTE 366	2045+21	51.8' RT			1									1			1					

SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM (3)

TOTAL = 1 EACH

NETWORK CONNECTED SIGNAL MONITOR

TOTAL = 1 EACH

COMBINATION PAD MOUNTED 120V/240V POWER SUPPLY AND LIGHTING CONTROLLER WITH UPS

TOTAL = 1 EACH

BID PRICE FOR PAD MOUNTED POWER SUPPLY/CONTROLLER SHALL INCLUDE CABLE (#2 AWG.), RIGID STEEL CONDUIT, AND TRENCHING BETWEEN ASSEMBLY AND UTILITY COMPANY FACILITIES.

SIGNAL SIGNS

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
	R10-10L	24 X 30	5.0		
	R10-10R	24 X 30	5.0		
	R3-5L	30 X 36	7.5		
	R3-5R	30 X 36	7.5		
	R3-5A	30 X 36	7.5		
	R3-6L	30 X 36	7.5		
	R3-6R	30 X 36	7.5		
	R3-2	24 X 24	4.0		
1	R3-1	24 X 24	4.0	4.0	1
	R3-3	24 X 24	4.0		
	D3-1 ***	VAR. X 18			
1	D3-1B ***	72 X 18	9.0	9.0	1
2	R10-3EL	9 X 15	0.9	1.8**	2**
2	R10-3ER	9 X 15	0.9	1.8**	2**
1	R10-11A	24 X 30	5.0	5.0	1
	R10-13	36 X 24	6.0		
1	R10-15R	30 X 30	6.25	6.25	1
1	R10-27A	30 X 36	7.5	7.5	1
	SUBTOTAL			35.35	9
	TOTAL			32	5

** NOTE: NO DIRECT PAY FOR REQUIRED R10-3E SIGNS AND MOUNTING HARDWARE TO BE INCLUDED AS INCIDENTAL TO COST OF THE PUSH BUTTON.

DETECTOR SCHEDULE

DETECTOR NUMBER	APPROACH	TYPE				
		AUDIBLE PUSH BUTTON	INDUCTION LOOP (2)			OPTIONAL DETECTION (3)
			STANDARD	DELAY/ EXTEND *	CALL UNIT *	
21, 22	WB ROUTE 366					V3
61, 62, 11	EB ROUTE 366					V1
41, 42, 43	NB US ROUTE 50					V2
44	EB ROUTE 366	1				
45	EB ROUTE 366	1				
46	EB ROUTE 366	1				
47	EB ROUTE 366	1				
TOTAL		4				

INSTALL MODOT FURNISHED TRAFFIC SIGNAL CONTROLLER

TOTAL = 1 EACH

* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

*** USE D3-1 FOR ONE LINE. USE D3-1B FOR TWO LINE.

(1) MoDOT "D" PLUG SHALL BE WIRED INTO ALL NEMA CONTROLLERS WITH 7C HARDWIRE INTERCONNECT.

(2) PAYMENT IS MADE FOR THE NUMBER OF 2-CHANNEL DETECTOR CARDS AS SHOWN BELOW THE ASSIGNMENT CHART.

(3) SEE SL DISTRICT TRAFFIC SIGNAL DETECTION JSP FOR ADDITIONAL DETAILS. SIGNAL DETECTION SHALL BE PAID AS 1 PER INTERSECTION. THE CONTRACTOR SHALL PROVIDE AND INSTALL A VEHICLE DETECTION SYSTEM FULLY COVERING DETECTION ZONES AS SHOWN ON THE PLANS. THE METHOD CHOSEN SHALL COMPLY WITH MODOT'S STANDARDS AND SPECIFICATIONS. ALL EQUIPMENT USED IN THE SYSTEM SHALL BE IN ACCORDANCE WITH MODOT'S APPROVED PRODUCT LIST AND RECEIVE ST. LOUIS DISTRICT APPROVAL PRIOR TO INSTALLATION. THIS WILL BE A COMPLETE UNIT WITH ALL COSTS INCLUDED.

(4) POWER SUPPLY SHALL BE PAD MOUNTED 120V/240V POWER SUPPLY & LIGHTING CONTROLLER WITH UNINTERRUPTIBLE POWER SUPPLY. SEE DETAILS.

NEMA DETECTOR ASSIGNMENT

		CARD POSITION							
		1	2	3	4	5	6	7	8
CHANNEL	1		SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM (3)						
	2								

TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = (2)

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Ø 1 EBL	Ø 2 WB	NOT USED	Ø 4 NB	NOT USED	Ø 5 EB	NOT USED	NOT USED	OLA	NOT USED	NOT USED	NOT USED	NOT USED	Ø 4 PED	NOT USED	NOT USED

SHEET 23 OF 95

ROUTE 366 & NB US ROUTE 50

INTERSECTION

SIGNAL SHEET

ROUTE 366
NB US ROUTE 50

D-37C

JASON LAWRENCE C. JARQUIO
NUMBER PE-2021011939
STATE OF MISSOURI
PROFESSIONAL ENGINEER

07/26/2024 3:22:28 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED 7/26/2024

MO ROUTE 366 | STATE MO

DISTRICT SL | SHEET NO. 325

COUNTY ST. LOUIS

JOB NO. J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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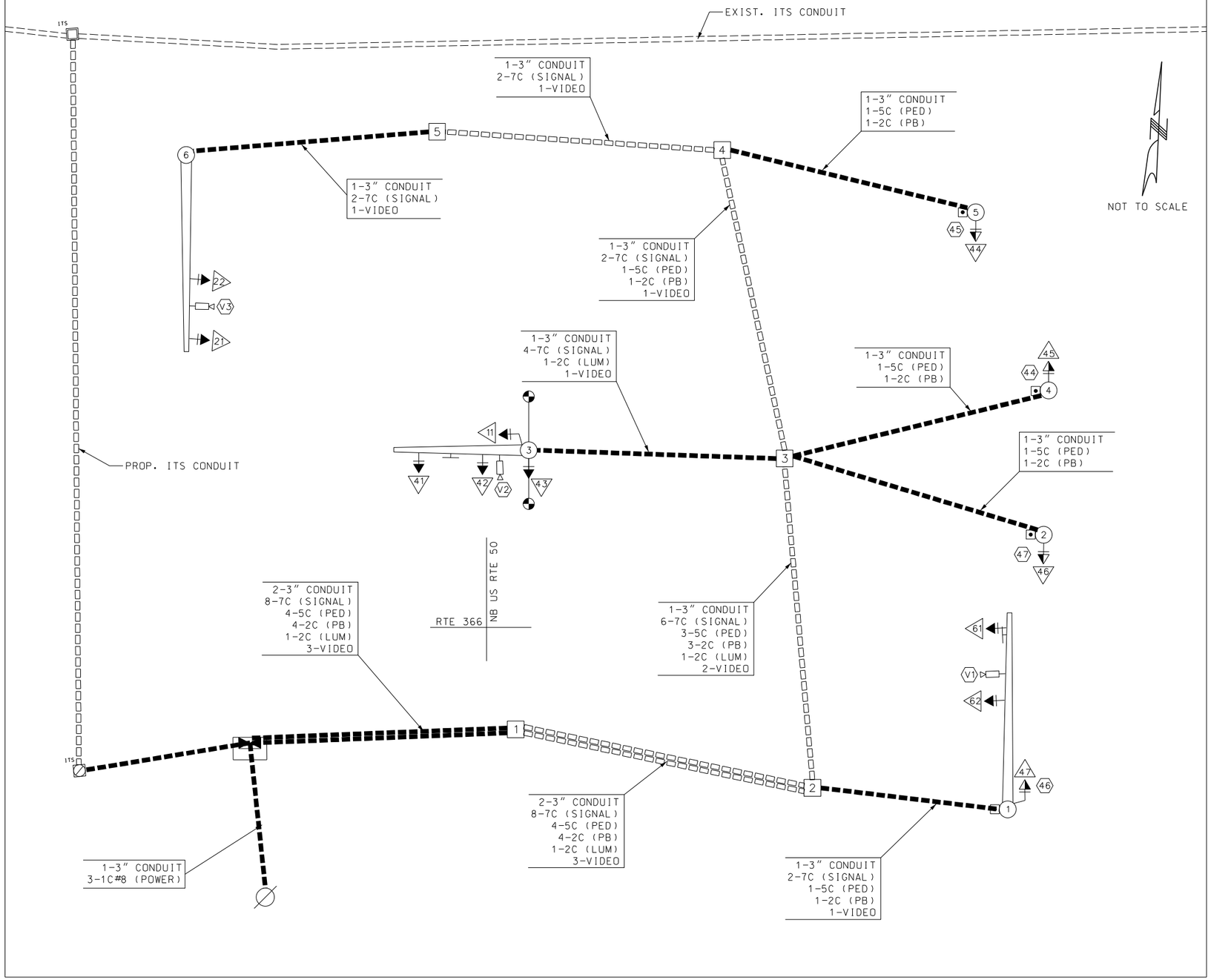
PE-2021011939

REV.

EFFECTIVE 12-01-17

WIRING DIAGRAM



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LEGEND

- 3" CONDUIT CONTAINING CABLE WITH SIZE
- CABLE
- X-Xc MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
- LIC #14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
- PULL BOX WITH NUMBER
- POST WITH NUMBER
- POST WITH MAST ARM
- POST WITH MAST ARM AND LUMINAIRE
- DETECTOR WITH NUMBER
- SIGNAL HEAD WITH NUMBER
- SIGNAL CONTROLLER
- POWER SUPPLY
- LIGHTING CONTROLLER
- CCTV CAMERA
- OPTICOM
- VIDEO DETECTOR

STATE OF MISSOURI
JASON LAWRENCE C. JARQUIO
NUMBER PE-2021011939
PROFESSIONAL ENGINEER

07/26/2024 3:22:28 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED 7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	326

COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr. Ste 300
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636.240.2444
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GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

JASON L. JARQUIO
PROFESSIONAL ENGINEER
PE-2021011939

REV.

SHEET 24 OF 95

ROUTE 366 & NB US ROUTE 50
INTERSECTION

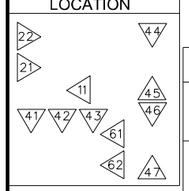
SIGNAL SHEET

ROUTE 366
NB US ROUTE 50

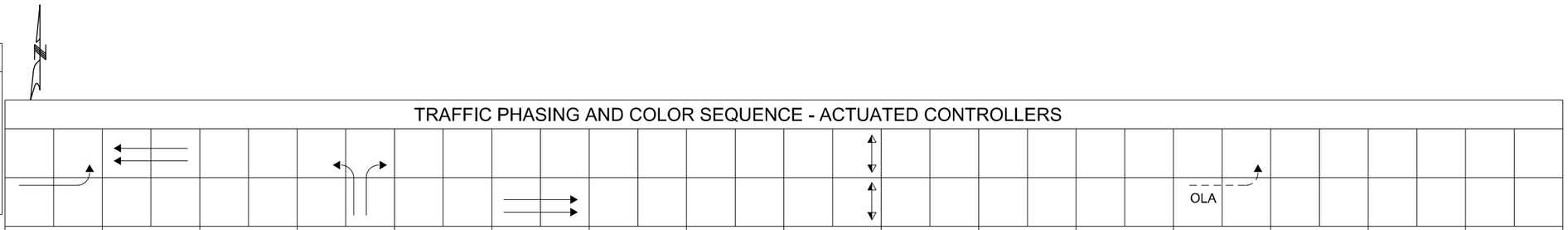
D-37D

EFFECTIVE 12/01/2017

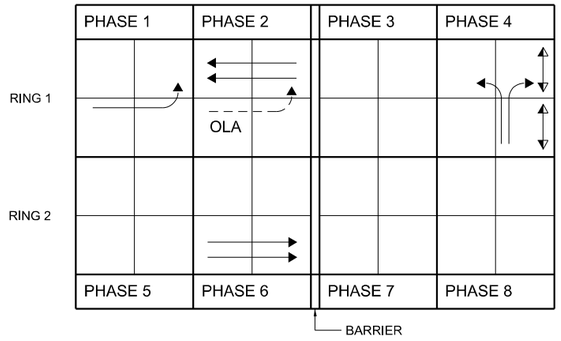
SIGNAL FACE LOCATION



TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS



	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	PED Ø 4 / OVERLAP	OVERLAP A	
FACE NUMBERS	11	21 22		41 42 43		61 62			41 43 42 44	11	FACE NUMBERS
SIGNAL INDICATIONS R		R		RL R		R			DW DW	RL	R
SIGNAL INDICATIONS Y		Y		YL Y		Y				YL	Y
SIGNAL INDICATIONS FYA										FYL	FYA
SIGNAL INDICATIONS G	L	G		L G		G			W W		G
DETECTOR ASSIGNMENTS	11	21 22		41 42 43		61 62					DETECTOR ASSIGNMENTS
DETECTOR ASSIGNMENTS (PEDS. ONLY)									41 43 42 44		
OVERLAP PARENT PHASES										2	



RING STRUCTURE

IF CALLED, ALL NON-CONFLICTING PHASES SHALL COMBINE AND TIME CONCURRENTLY. TIME TO BE DETERMINED BY THE ENGINEER AT SIGNAL TURN ON AND SET IN THE CONTROLLER BY THE CONTRACTOR.

LEGEND

- → — ACTUATED VEHICULAR MOVEMENT
- → — PARTIALLY RESTRICTED ACTUATED VEHICULAR MOVEMENT
- → — NON-ACTUATED VEHICULAR MOVEMENT
- → — PARTIALLY RESTRICTED NON-ACTUATED VEHICULAR MOVEMENT
- → — ACTUATED PEDESTRIAN MOVEMENT
- → — NON-ACTUATED PEDESTRIAN MOVEMENT
- ⊣ — VEHICLE STOPPED
- FDW — FLASHING DON'T WALK
- W — WALK
- DW — DON'T WALK
- R/W — RIGHT OF WAY INTERVAL
- YRt — YELLOW RIGHT ARROW
- RT. — GREEN RIGHT ARROW
- LY-YL — YELLOW LEFT ARROW
- L — GREEN LEFT ARROW
- S — GREEN STRAIGHT AHEAD ARROW
- G — CIRCULAR GREEN
- Y — CIRCULAR YELLOW
- R — CIRCULAR RED
- RL — RED LEFT ARROW
- Ø — TRAFFIC PHASE
- AO — ALL OTHERS
- FR — FLASHING RED
- FY — FLASHING CIRCULAR YELLOW
- FYL — FLASHING YELLOW LEFT ARROW

FLASHING OPERATION	
ALL	FR
CONTROLLER TYPE	NEMA

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF
ROUTE 366 & NB US ROUTE 50

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DATE PREPARED 7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	327

COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
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DESCRIPTION	DATE

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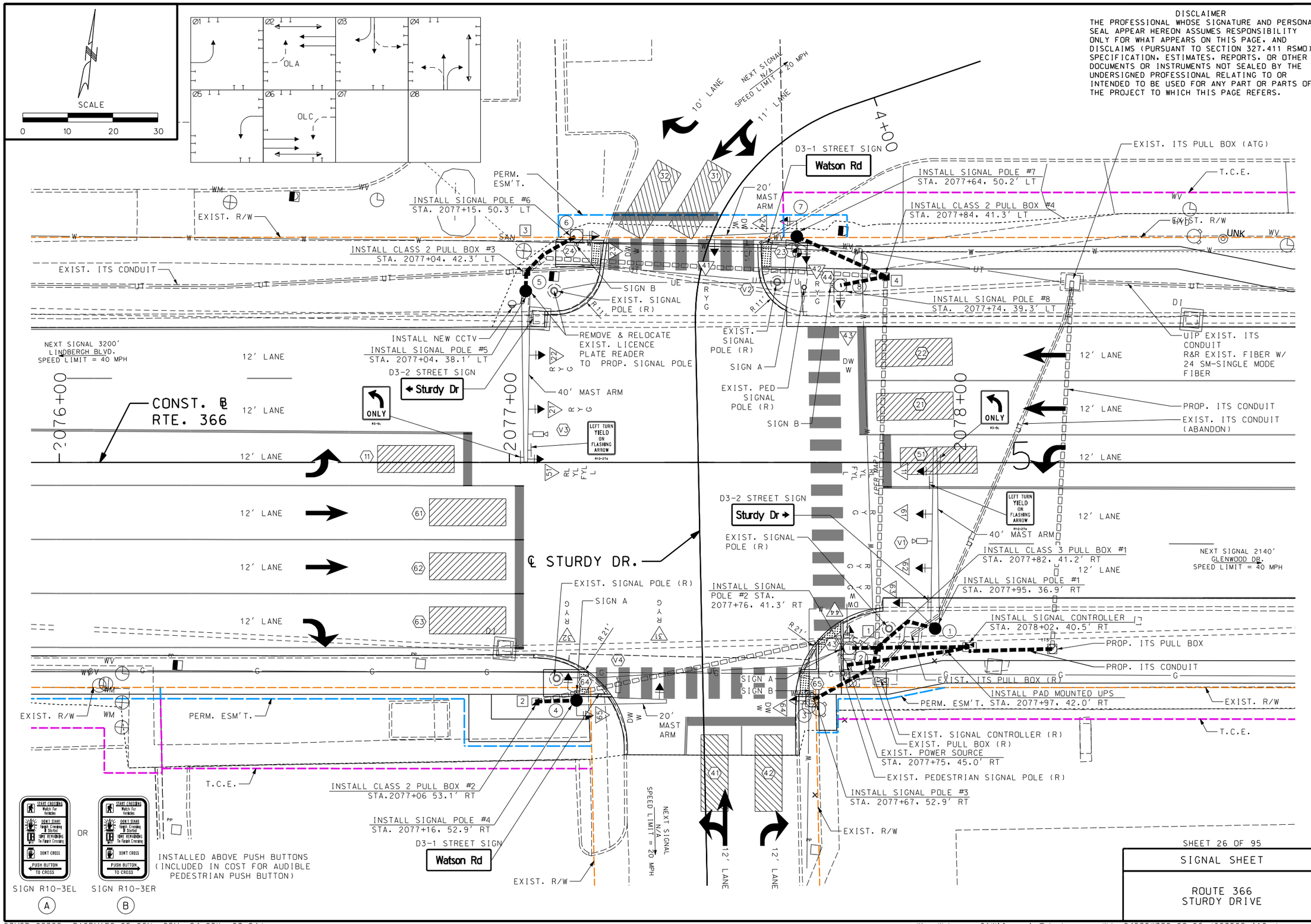
JASON L. JARQUIO
PROFESSIONAL ENGINEER
PE-2021011939

SIGNAL SHEET

ROUTE 366
NB US ROUTE 50

D-38A

REV.



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PROFESSIONAL ENGINEER
PE-2021011939

REV.

SHEET 26 OF 95

SIGNAL SHEET

ROUTE 366
STURDY DRIVE

EFFECTIVE: 07/01/2018

LOCATION / BASE / PULL BOX / POST

POST NUMBER	PULL BOX NUMBER	APPROACH	STATION	OFFSET	BASE A (9 / 9.5 / 10 / 10.5 / 11 / 12)	BASE F (9 / 9.5 / 10 / 10.5 / 11 / 12)	BASE C	CONCRETE** (CU. YDS.)	PULL BOX PREFORMED (CLASS 1 / CLASS 2 / CLASS 3 / CLASS 5)	PULL BOX CONCRETE (STANDARD / DOUBLE, TYPE A / DOUBLE, TYPE B)	DRAIN TYPE* (I / II A / II B / II C)	TOP MOUNT POST (8 FT. / 15 FT.)	TYPE C & CL (ARM LENGTH 20' / 20' / 40' / A; SIGNAL SPACING B / C / D / D'; SIGN SPACING B / C / D / D')	TYPE B & BL (ARM LENGTH E / K / E / K / E / K; LEFT ARM E SIGNAL SPACING F / G / H / H'; LEFT ARM E SIGN SPACING F / G / H / H'; RIGHT ARM K SIGNAL SPACING L / M / N / N'; RIGHT ARM K SIGN SPACING L / M / N / N')	INCLUDED ANGLE	LUMINAIRE BRACKET ARM* (4 FT. / 6 FT. / 8 FT. / 10 FT. / 12 FT. / 15 FT.)
	☒	ROUTE 366	2078+02	40.5' RT				1.93								
	1	ROUTE 366	2077+82	41.2' RT						1	1					
	2	ROUTE 366	2077+06	53.1' RT					1		1					
	3	ROUTE 366	2077+04	42.3' LT					1		1					
	4	ROUTE 366	2077+84	41.3' LT					1		1					
(1)		ROUTE 366	2077+95	36.9' RT		1		3.27					1 — 18' 12' 10' — 5' 32'			
(2)		ROUTE 366	2077+76	41.3' RT				0.44				1				
(3)		ROUTE 366	2077+67	52.9' RT				0.44				1	18'			
(4)		ROUTE 366	2077+16	52.9' RT	1			2.88					1 — 14' 12' 11' — 4'			
(5)		ROUTE 366	2077+04	38.1' LT		1		3.27					1 — 5' 30'			
(6)		ROUTE 366	2077+15	50.3' LT				0.44				1				
(7)		ROUTE 366	2077+64	50.2' LT	1			2.88					1 — 18' — 4'			
(8)		ROUTE 366	2077+74	39.3' LT				0.44				1				
				SUBTOTAL				15.99	3	1		4	1 1 2			
				TOTAL				16.0	3	1		4	1 1 2			

SIGNAL HEADS

SPAN NUMBER	POST NUMBER	FACE NUMBER	LUMINAIRE LED-A	INDICATIONS * 12" LENS CONVENTIONAL (R / Y / YL / RL / FYL / FYR / G / S / L / Rt / 🚶)	INDICATIONS * 12" LENS OPTICAL LIMITING (R / Y / YL / YRt / YL / YRt / G / S / L / Rt)	VISORS * 12" LENS	VISORS * PED.	LOUVERS * (A / B / C / D / E / F)	BACKPLATE* LENSES (1 / 2 / 3 / 4 / 5)	RETROREFLECTIVE BACKPLATE* LENSES (1 / 2 / 3 / 4 / 5)	BRACKET* TYPE (I / II / ■)	ONE-FACE SECTION 1- (T / S / C / B)	ONE-FACE SECTION 3- (T / S / C / B)	ONE-FACE SECTION 4- (T / S / C / B)	ONE-FACE SECTION 5- (T / S / C / B)	TWO-FACE SECTIONS 11- (T / S / B)	TWO-FACE SECTIONS 33- (T / S / C / B)	TWO-FACE SECTIONS 34- (S / B)	TWO-FACE SECTIONS 35- (S / B)	TWO-FACE SECTIONS 44- (S / B)	TWO-FACE SECTIONS 45- (S / B)
	(1)	61		1 1 — 1		3				1	1		1								
	(1)	62		1 1 — 1		3				1	1		1								
	(1)	11		1 1 1 — 1		4				1	1			1							
	(1)	63		1 1 — 1		3				1	1			1							
	(2)	44		1			1				1	1									
	(3)	64		1			1				1	1									
	(4)	65		1			1				1	1									
	(4)	31		1 1 — 1		3				1	1			1							
	(4)	32		1 1 — 1		3				1	1			1							
	(5)	21		1 1 — 1		3				1	1			1							
	(5)	22		1 1 — 1		3				1	1			1							
	(5)	51		1 1 1 — 1		4				1	1	1			1						
	(6)	23		1			1				1	1									
	(7)	24	1	1			1				1	1									
	(7)	41		1 1 — 1		3				1	1			1							
	(7)	42		1 1 — 1		3				1	1			1							
	(8)	43		1			1				1	1									
			SUBTOTAL	1																	
			TOTAL	1																	

	ONE-FACE				TWO-FACE					
	1-	3-	4-	5-	11-	33-	34-	35-	44-	45-
SUBTOTAL OPTICALLY LIMITED										
SUBTOTAL CONVENTIONAL	6	3	6	2						
SUBTOTAL COMBINATION OL & CONV										
TOTAL OPTICALLY LIMITED										
TOTAL CONVENTIONAL	6	3	6	2						
TOTAL COMBINATION OL & CONV										

NOTE:

SIGNAL & SIGN SPACING SHOWN IS APPROXIMATE. CONTRACTOR SHALL ADJUST AS NECESSARY.

POST 7 IS TYPE CL.

ALL SIGNAL POSTS AND MAST ARMS AT THIS INTERSECTION SHALL BE POWDER COATED GREEN. SEE JSP FOR DETAILS.

REMARKS

ALL LENGTHS AND SPACINGS ARE IN FEET UNLESS OTHERWISE INDICATED.

* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

** SEE STANDARD PLANS 902.10 AND 902.30 FOR CONCRETE REQUIREMENTS ON BASES.

*** USE D3-16 FOR ONE LINE. USE D3-18 FOR TWO LINE.

SIGNAL STRUCTURES WHICH WILL EXCEED THE DIMENSION LIMITS SHOWN ON STANDARD PLAN SHEETS IN SECTION 902 AND ANY OTHER INSTALLATION WHERE THE DETAILS OF CONSTRUCTION ARE NOT FURNISHED IN THE CONTRACT PLANS, SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER IN ACCORDANCE WITH THE 2001 AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 4TH EDITION, AND LATEST INTERIMS. THE STRUCTURE SHALL BE DESIGNED AS IMPORTANCE CATEGORY I FOR FATIGUE WITH A 50-YEAR DESIGN LIFE. THE CONTRACTOR SHALL SUBMIT A SET OF SHOP DETAIL DRAWINGS INCLUDING WELD PROCEDURE SPECIFICATIONS AND DESIGN COMPUTATIONS FOR MODOT RECORDS AND REFERENCE. THE SUBMITTED DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND SEALED IN ACCORDANCE WITH THE LAWS RELATING TO ARCHITECTS AND PROFESSIONAL ENGINEERS (CHAPTER 327, RSMO.), AND SHALL INCLUDE A TITLE BLOCK OR SUMMARY SHEET WHICH LISTS AND CERTIFIES THAT THE PRODUCT MEETS ALL OF THE SPECIFIED DESIGN CRITERIA.

LEGEND

T - TOP MOUNT
S - SIDE MOUNT
C - SPANWIRE MOUNT
B - MAST ARM MOUNT

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STATE OF MISSOURI — JASON LAWRENCE C. JARQUIO NUMBER PE-2021011939 — PROFESSIONAL ENGINEER

07/26/2024 3:22:29 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED: 7/26/2024
MO ROUTE: 366
STATE: MO
DISTRICT: SL
SHEET NO.: 329
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JOB NO.: J6S3582
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ROUTE 366 & STURDY DRIVE
INTERSECTION
SHEET 27 OF 95
SIGNAL SHEET
ROUTE 366
STURDY DRIVE
D-37A

REV.

EFFECTIVE: 10-01-2015

CONDUIT (WITH #14 TRACER WIRE)

FROM	TO	CENTER TO CENTER DISTANCE	LOOP DET.	TRENCH				PUSHED			MEDIAN			ON STRUCTURE			REMARKS
			1"	2"	3"	4"	2" RIGID STEEL (2)	2"	3"	4"	2"	3"	4"	2"	3"		
PS	UPS	23'					(31')										FOR INFORMATIONAL PURPOSES
UPS		5'			9'												
	1	21'			48'												2-3"
1	1	15'			18'												
1	2	6'			7'												
1	3	20'			21'												
1	2	78'						76'									
2	4	9'			12'												
4	3	81'						79'									
1	4	83'						81'									
4	7	22'			25'												
4	8	11'			12'												
3	5	5'			8'												
3	6	14'			15'												

EFFECTIVE 04-01-2018

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POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING*				LIGHTING CONTROL * (ON POWER SUPPLY)		SERVICE POLE	
					CONTROLLER		POWER SUPPLY DISCONNECT					
							MAIN BREAKER					
APPROACH	STATION	OFFSET	DRAWING 902.15	SPECIAL DRAWING (4)	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	SIGNALS	LIGHTING	120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
ROUTE 366	2077+76	49.4' RT	Typo	1	15 Amps	30 Amps	100 Amps	100 Amps	1	15 Amps	CL FL	EX
			Typo	-	- Amps	Amps	Amps	Amps		Amps	CL FL	

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF* SWITCH		COORDINATION INTERFACE *						TIME * CLOCK	NEMA CABINET TYPE *			170 CABINET TYPE *		170 SOFTWARE *	
							TYPE		12C/7C HARDWIRE (1)		TIME BASE	CLOSED LOOP		FIBER								
APPROACH	STATION	OFFSET	NEMA	170	NEMA	170	I	II	MASTER	LOCAL		NEMA	170			E	EV	DOUBLE	332	336S	BITRAN	WAPITI
ROUTE 366	2078+02	40.5' RT			1									1			1					

SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM (3)

TOTAL = 1 EACH

NETWORK CONNECTED SIGNAL MONITOR

TOTAL = 1 EACH

COMBINATION PAD MOUNTED 120V/240V POWER SUPPLY AND LIGHTING CONTROLLER WITH UPS

TOTAL = 1 EACH

NOTE: BID PRICE FOR PAD MOUNTED POWER SUPPLY/CONTROLLER SHALL INCLUDE CABLE (#2 AWG.), RIGID STEEL CONDUIT, AND TRENCHING BETWEEN ASSEMBLY AND UTILITY COMPANY FACILITIES.

SIGNAL SIGNS

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
	R10-10L	24 X 30	5.0		
	R10-10R	24 X 30	5.0		
2	R3-5L	30 X 36	7.5	15.0	2
	R3-5R	30 X 36	7.5		
	R3-5A	30 X 36	7.5		
	R3-6L	30 X 36	7.5		
	R3-6R	30 X 36	7.5		
	R3-2	24 X 24	4.0		
	R3-1	24 X 24	4.0		
	R3-3	24 X 24	4.0		
	D3-1 ***	VAR. X 18			
2	D3-1B ***	72 X 18	9.0	18.0	4
2	D3-1B ***	84 X 18	10.5	21.0	4
3	R10-3EL	9 X 15	0.9	2.7**	3**
3	R10-3ER	9 X 15	0.9	2.7**	3**
	R10-11A	24 X 30	5.0		
	R10-13	36 X 24	6.0		
2	R10-27A	30 X 36	7.5	15.0	2
			SUBTOTAL	74.4	18
			TOTAL	69	12

DETECTOR SCHEDULE

DETECTOR NUMBER	APPROACH	TYPE				
		AUDIBLE PUSH BUTTON	INDUCTION LOOP (2)			OPTIONAL DETECTION (3)
			STANDARD	DELAY/ EXTEND *	CALL UNIT *	
61, 62, 63, 11	EB ROUTE 366					V1
64	SB STURDY DR	1				
65	SB STURDY DR	1				
31, 32	SB STURDY DR					V4
51, 21, 22	WB ROUTE 366					V2
41, 42	NB STURDY DR					V3
23	NB STURDY DR	1				
24	NB STURDY DR	1				
43	EB STURDY DR	1				
44	EB STURDY DR	1				
TOTAL		6				

INSTALL MODOT FURNISHED TRAFFIC SIGNAL CONTROLLER

TOTAL = 1 EACH

REMOVE AND RELOCATE EXISTING CCTV CAMERA

TOTAL = 1 EACH

CCTV EXTENSION POLE, 20' METALLIC FINISH

TOTAL = 1 EACH

** NOTE: NO DIRECT PAY FOR REQUIRED R10-3E SIGNS AND MOUNTING HARDWARE TO BE INCLUDED AS INCIDENTAL TO COST OF THE PUSH BUTTON.

* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

*** USE D3-1 FOR ONE LINE. USE D3-1B FOR TWO LINE.

(1) MoDOT "D" PLUG SHALL BE WIRED INTO ALL NEMA CONTROLLERS WITH 7C HARDWIRE INTERCONNECT.

(2) PAYMENT IS MADE FOR THE NUMBER OF 2-CHANNEL DETECTOR CARDS AS SHOWN BELOW THE ASSIGNMENT CHART.

(3) SEE SL DISTRICT TRAFFIC SIGNAL DETECTION JSP FOR ADDITIONAL DETAILS. SIGNAL DETECTION SHALL BE PAID AS 1 PER INTERSECTION. THE CONTRACTOR SHALL PROVIDE AND INSTALL A VEHICLE DETECTION SYSTEM FULLY COVERING DETECTION ZONES AS SHOWN ON THE PLANS. THE METHOD CHOSEN SHALL COMPLY WITH MODOT'S STANDARDS AND SPECIFICATIONS. ALL EQUIPMENT USED IN THE SYSTEM SHALL BE IN ACCORDANCE WITH MODOT'S APPROVED PRODUCT LIST AND RECEIVE ST. LOUIS DISTRICT APPROVAL PRIOR TO INSTALLATION. THIS WILL BE A COMPLETE UNIT WITH ALL COSTS INCLUDED.

(4) POWER SUPPLY SHALL BE PAD MOUNTED 120V/240V POWER SUPPLY & LIGHTING CONTROLLER WITH UNINTERRUPTIBLE POWER SUPPLY. SEE DETAILS.

NEMA DETECTOR ASSIGNMENT

CHANNEL	CARD POSITION 1	2	3	4	5	6	7	8
1	-	SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM (3)						-
2	-	-	-	-	-	-	-	-

TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = (2)

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Ø1 EBL	Ø2 WB	Ø3 SB	Ø4 NB	Ø5 WBL	Ø6 EB	NOT USED	NOT USED	OLA	NOT USED	OLC	NOT USED	Ø2 PED	Ø4 PED	Ø6 PED	NOT USED

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PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

JASON L. JARQUIO
PROFESSIONAL ENGINEER
PE-2021011939

REV.

ROUTE 366 & STURDY DRIVE
INTERSECTION

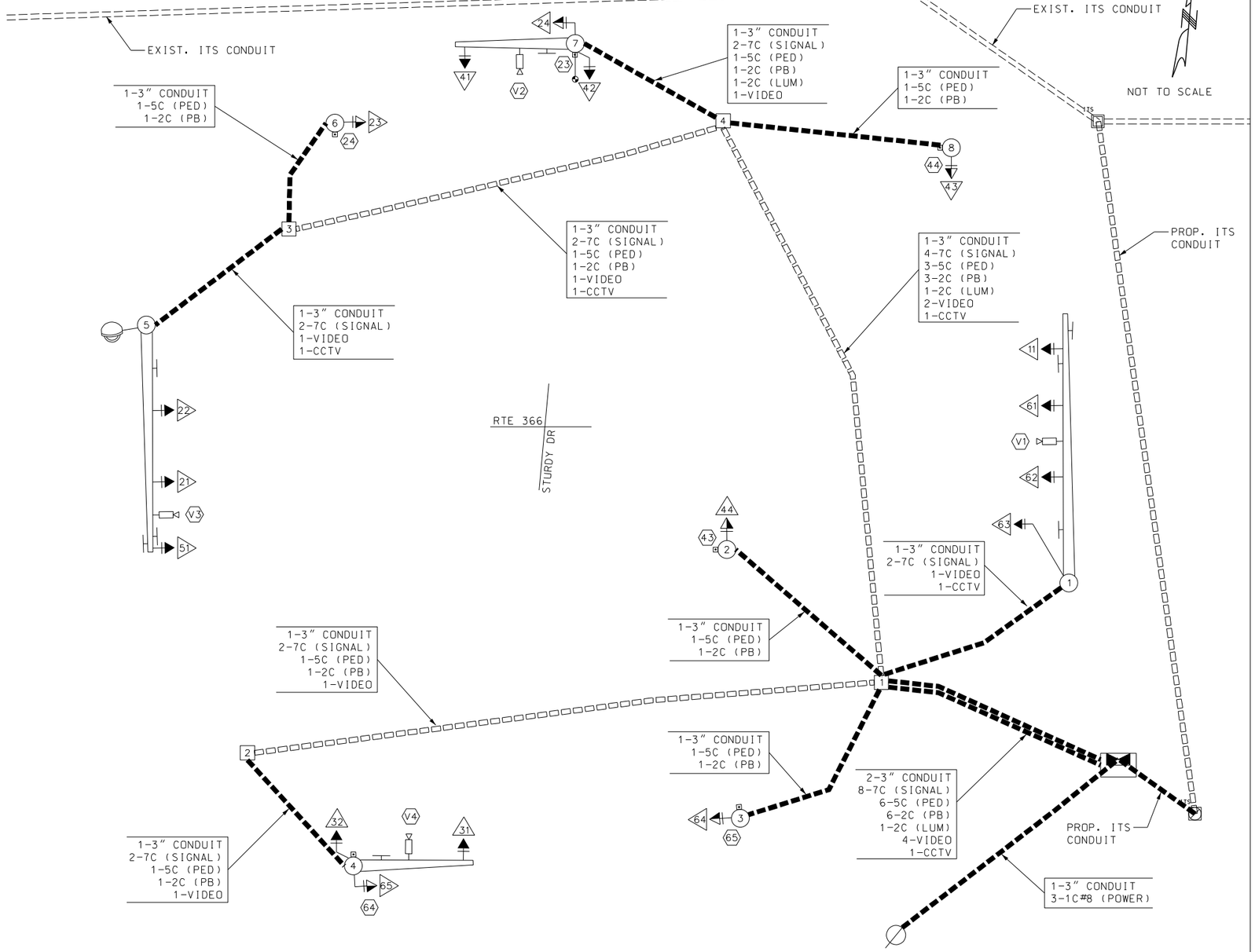
SIGNAL SHEET

ROUTE 366
STURDY DRIVE

D-37C

EFFECTIVE 12-01-17

WIRING DIAGRAM



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LEGEND

- 3" — CONDUIT CONTAINING CABLE WITH SIZE
- CABLE
- X-Xc — MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
- LIC — #14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
- X — PULL BOX WITH NUMBER
- X — POST WITH NUMBER
- X — POST WITH MAST ARM
- X — POST WITH MAST ARM AND LUMINAIRE
- X — DETECTOR WITH NUMBER
- X — SIGNAL HEAD WITH NUMBER
- SIGNAL CONTROLLER
- POWER SUPPLY
- LIGHTING CONTROLLER
- CCTV CAMERA
- OPTICOM
- VIDEO DETECTOR

STATE OF MISSOURI
JASON LAWRENCE C. JARQUIO
NUMBER PE-2021011939
PROFESSIONAL ENGINEER

07/26/2024 3:22:30 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	332

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
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PE-2021011939

SHEET 30 OF 95

ROUTE 366 & STURDY DRIVE
INTERSECTION

SIGNAL SHEET

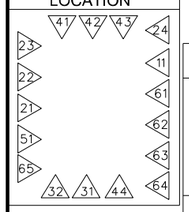
ROUTE 366
STURDY DRIVE

D-37D

REV.

EFFECTIVE 12/01/2017

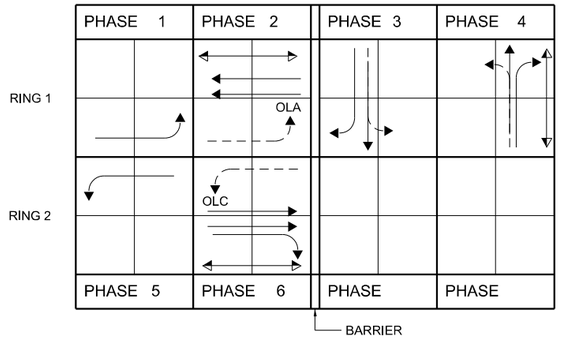
SIGNAL FACE LOCATION



TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS

	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	PED Ø 2 OVERLAP	PED Ø 4 OVERLAP	PED Ø 6 OVERLAP		OVERLAP A	OVERLAP C			FACE NUMBERS
FACE NUMBERS	11	21 22	31 32	41 42	51	61 63 62			23 24	43 44	64 65		11	51			
SIGNAL INDICATIONS R	R	R	R	R		R R			W	W	W		RL	RL		R	SIGNAL INDICATIONS
SIGNAL INDICATIONS Y	Y	Y	Y	Y		Y Y			DW	DW	DW		YL	YL		Y	
SIGNAL INDICATIONS FYA													FYL	FYL		FYA	
SIGNAL INDICATIONS G	G L	G	G	G	L	G G										G	
DETECTOR ASSIGNMENTS	11	21 22	31 32	41 42	51	61 63 62											DETECTOR ASSIGNMENTS
DETECTOR ASSIGNMENTS (PEDS. ONLY)									23 24	43 44	64 65						
OVERLAP PARENT PHASES													2	6			

OLA = OVERLAP A
OLC = OVERLAP C



RING STRUCTURE

IF CALLED, ALL NON-CONFLICTING PHASES SHALL COMBINE AND TIME CONCURRENTLY. TIME TO BE DETERMINED BY THE ENGINEER AT SIGNAL TURN ON AND SET IN THE CONTROLLER BY THE CONTRACTOR.

LEGEND

- → — ACTUATED VEHICULAR MOVEMENT
- → — PARTIALLY RESTRICTED ACTUATED VEHICULAR MOVEMENT
- → — NON-ACTUATED VEHICULAR MOVEMENT
- → — PARTIALLY RESTRICTED NON-ACTUATED VEHICULAR MOVEMENT
- → — ACTUATED PEDESTRIAN MOVEMENT
- → — NON-ACTUATED PEDESTRIAN MOVEMENT
- ⊣ — VEHICLE STOPPED

FDW — FLASHING DON'T WALK
W — WALK
DW — DON'T WALK
R/W — RIGHT OF WAY INTERVAL
YRt — YELLOW RIGHT ARROW
RT. — GREEN RIGHT ARROW
LY-YL — YELLOW LEFT ARROW
L — GREEN LEFT ARROW
S — GREEN STRAIGHT AHEAD ARROW
G — CIRCULAR GREEN
Y — CIRCULAR YELLOW
R — CIRCULAR RED
RL — RED LEFT ARROW
Ø — TRAFFIC PHASE
AO — ALL OTHERS
FR — FLASHING RED
FY — FLASHING CIRCULAR YELLOW
FYL — FLASHING YELLOW LEFT ARROW

FLASHING OPERATION	
ALL	FR

CONTROLLER TYPE	NEMA

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF
ROUTE 366 & STURDY DRIVE

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PE-2021011939
PROFESSIONAL ENGINEER
07/26/2024 3:22:30 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED	
7/26/2024	
MO ROUTE 366	STATE MO
DISTRICT SL	SHEET NO. 333
COUNTY ST. LOUIS	
JOB NO. J6S3582	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE	REV.

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JASON L. JARQUIO
PROFESSIONAL ENGINEER
PE-2021011939

SIGNAL SHEET

ROUTE 366
STURDY DRIVE

D-38A

SCALE
0 10 20 30

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366	MO
DISTRICT	SHEET NO.
SL	334

COUNTY
ST. LOUIS

JOB NO.
J6S3582

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JASON L. JARQUIO
PROFESSIONAL ENGINEER
PE-2021011939

SIGNAL SHEET

ROUTE 366
GLENWOOD DRIVE

SIGN R10-3EL (A) OR SIGN R10-3ER (B)
INSTALLED ABOVE PUSH BUTTONS (INCLUDED IN COST FOR AUDIBLE PEDESTRIAN PUSH BUTTON)

| POST NUMBER | PULL BOX NUMBER | LOCATION: APPROACH | LOCATION: STATION | LOCATION: OFFSET | BASE: A 9 | A 9.5 | A 10 | A 10.5 | A 11 | A 12 | BASE: F 9 | F 9.5 | F 10 | F 10.5 | F 11 | F 12 | BASE: C | BASE: CONCRETE** (CU. YDS.) | PULL BOX: PREFORMED CLASS 1 | CLASS 2 | CLASS 3 | CLASS 5 | PULL BOX: CONCRETE STANDARD | DOUBLE, TYPE A | DOUBLE, TYPE B | DRAIN TYPE* I | DRAIN TYPE* II A | DRAIN TYPE* II B | DRAIN TYPE* II C | POST: TOP MOUNT POST 8 FT. | TOP MOUNT POST 15 FT. | TYPE C & CL: ARM LENGTH 25' | 30' | 50' | A | SIGNAL SPACING B | SIGNAL SPACING C | SIGNAL SPACING D | SIGN SPACING D' | SIGN SPACING B | SIGN SPACING C | SIGN SPACING D | SIGN SPACING D' | TYPE B & BL: ARM LENGTH E | K | E | K | E | K | LEFT ARM E SIGNAL SPACING F | G | H | H' | LEFT ARM E SIGN SPACING F | G | H | H' | RIGHT ARM K SIGNAL SPACING L | M | N | N' | RIGHT ARM K SIGN SPACING L | M | N | N' | INCLUDED ANGLE | LUMINAIRE BRACKET ARM* 4 FT. | 6 FT. | 8 FT. | 10 FT. | 12 FT. | 15 FT. |
|---|---|---

EFFECTIVE: 10-01-2015

CONDUIT (WITH #14 TRACER WIRE)

FROM	TO	CENTER TO CENTER DISTANCE	LOOP DET.	TRENCH				PUSHED			MEDIAN			ON STRUCTURE			REMARKS
			1"	2"	3"	4"	2" RIGID STEEL (2)	2"	3"	4"	2"	3"	4"	2"	3"		
PS	UPS	6'					(14')										FOR INFORMATIONAL PURPOSES
UPS		54'			58'												
	1	27'			60'												2-3"
1	1	12'			15'												
1	2	9'			10'												
1	3	24'			25'												
1	5	89'							87'								
5	9	5'			6'												
5	4	61'							59'								
4	8	10'			13'												
4	3	57'							55'								
3	7	15'			18'												
3	2	116'							114'								
2	6	12'			13'												
2	5	8'			9'												
2	4	10			13'												
SUBTOTALS				240'		(14')			315'								
TOTALS				240'		(14')			315'								

CABLE

FROM	TO	CENTER TO CENTER DISTANCE	POWER		CONTROL				CLOSED LOOP INTERCONNECT	LUMINAIRE		DETECTOR		FIBER		REMARKS
			1c #2 (2)	1c #8	2c #16	5c #16	7c #16	3c #16	3 PAIR #16	CONTROL 2c #12	POLE & BRACKET 1c #10	VIDEO CABLE (1)	CCTV CABLE	SINGLE-MODE	MULTI-MODE	
PS	UPS	6'	(66')													FOR INFORMATIONAL PURPOSES
UPS		54'		210'												3-1c #8 CABLES
	1	38'					102'									SIGNAL HEAD 31
	1	38'					90'									SIGNAL HEAD 32
	1	38'					78'									SIGNAL HEAD 33
	1	38'										(96')				VIDEO V-4
	2	36'			59'											PUSH BUTTON 64
	2	36'				60'										PEDESTRIAN HEAD 64
	3	51'			74'											PUSH BUTTON 34
	3	51'				76'										PEDESTRIAN HEAD 34
	4	357'					455'									SIGNAL HEAD 21
	4	357'					444'									SIGNAL HEAD 22
	4	357'					466'									SIGNAL HEAD 51
	4	357'										(449')				VIDEO V-3
	5	355'			402'											PUSH BUTTON 35
	5	355'				404'										PEDESTRIAN HEAD 35
	6	359'			406'											PUSH BUTTON 23
	6	359'				407'										PEDESTRIAN HEAD 23
	7	247'					324'									SIGNAL HEAD 41
	7	247'					312'									SIGNAL HEAD 42
	7	247'			280'											PUSH BUTTON 24
	7	247'				281'										PEDESTRIAN HEAD 24
	7	247'										(318')				VIDEO V-2
	7	247'											292'			CCTV
	8	185'					225'									SIGNAL HEAD 11
	8	185'					245'									SIGNAL HEAD 61
	8	185'					257'									SIGNAL HEAD 62
	8	185'										(251')				VIDEO V-1
	8	185'											225'			CCTV
	9	120'			149'											PUSH BUTTON 63
	9	120'				150'										PEDESTRIAN HEAD 63
UPS	4	414'								452'	96'					LUMINAIRE
SUBTOTALS			(66')	210'	1370'	1378'	2998'			452'	96'	(1114')	517'			
5% FOR SNAKING			(70')	221'	1439'	1447'	3148'			475'	101'	(1170')	543'			
TOTALS			(70')	230'	1440'	1450'	3150'			480'	110'	(1170')	550'			

(1) NO DIRECT PAY FOR REQUIRED VIDEO DETECTOR CABLE
(2) QUANTITY SHOWN FOR INFORMATION PURPORSES. NO DIRECT PAY.

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JASON LAWRENCE C. JARQUIO NUMBER PE-2021011939
PROFESSIONAL ENGINEER

07/26/2024 3:22:31 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	336

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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PROFESSIONAL ENGINEER
PE-2021011939

REV.

SHEET 34 OF 95

SIGNAL SHEET

ROUTE 366 & GLENWOOD DRIVE
INTERSECTION

ROUTE 366
GLENWOOD DRIVE

D-37B

EFFECTIVE 04-01-2018

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POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING*				LIGHTING CONTROL * (ON POWER SUPPLY)		SERVICE POLE	
					CONTROLLER		POWER SUPPLY DISCONNECT					
							MAIN BREAKER					
APPROACH	STATION	OFFSET	DRAWING 902.15	SPECIAL DRAWING (4)	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	SIGNALS	LIGHTING	120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
ROUTE 366	2097+72	43' RT	Typo	1	15 Amps	30 Amps	100 Amps	100 Amps	1	15 Amps	CL FL	EX
			Typo	-	- Amps	Amps	Amps	Amps		Amps	CL FL	

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF* SWITCH		COORDINATION INTERFACE *						TIME * CLOCK	NEMA CABINET TYPE *			170 CABINET TYPE *		170 SOFTWARE *	
							TYPE		12C/7C HARDWIRE (1)		TIME BASE	CLOSED LOOP		FIBER								
APPROACH	STATION	OFFSET	NEMA	170	NEMA	170	I	II	MASTER	LOCAL		NEMA	170			E	EV	DOUBLE	332	336S	BITRAN	WAPITI
ROUTE 366	2098+19	60.7' RT			1									1			1					

SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM (3)

TOTAL = 1 EACH

NETWORK CONNECTED SIGNAL MONITOR

TOTAL = 1 EACH

COMBINATION PAD MOUNTED 120V/240V POWER SUPPLY AND LIGHTING CONTROLLER WITH UPS

TOTAL = 1 EACH

BID PRICE FOR PAD MOUNTED POWER SUPPLY/CONTROLLER SHALL INCLUDE CABLE (#2 AWG.), RIGID STEEL CONDUIT, AND TRENCHING BETWEEN ASSEMBLY AND UTILITY COMPANY FACILITIES.

SIGNAL SIGNS

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
	R10-10L	24 X 30	5.0		
	R10-10R	24 X 30	5.0		
	R3-5L	30 X 36	7.5		
	R3-5R	30 X 36	7.5		
	R3-5A	30 X 36	7.5		
	R3-6L	30 X 36	7.5		
	R3-6R	30 X 36	7.5		
	R3-2	24 X 24	4.0		
	R3-1	24 X 24	4.0		
	R3-3	24 X 24	4.0		
	D3-1 ***	VAR. X 18			
2	D3-1B ***	72 X 18	9.0	18.0	2
2	D3-1B ***	96 X 18	12.0	24.0	2
3	R10-3EL	9 X 15	0.9	2.7**	3**
3	R10-3ER	9 X 15	0.9	2.7**	3**
	R10-11A	24 X 30	5.0		
	R10-13	36 X 24	6.0		
2	R10-27A	30 X 36	7.5	15.0	2
			SUBTOTAL	62.4	12
			TOTAL	57	6

** NOTE: NO DIRECT PAY FOR REQUIRED R10-3E SIGNS AND MOUNTING HARDWARE TO BE INCLUDED AS INCIDENTAL TO COST OF THE PUSH BUTTON.

DETECTOR SCHEDULE

DETECTOR NUMBER	APPROACH	TYPE				
		AUDIBLE PUSH BUTTON	INDUCTION LOOP (2)			OPTIONAL DETECTION (3)
			STANDARD	DELAY/ EXTEND *	CALL UNIT *	
41 & 42	NB GLENWOOD DR					V2
31, 32,33	SB GLENWOOD DR					V4
34	ROUTE 366	1				
35	ROUTE 366	1				
11, 61, 62	EB ROUTE 366					V1
63	GLENWOOD DR	1				
64	GLENWOOD DR	1				
21, 22, 51	WB ROUTE 366					V3
23	GLENWOOD DR	1				
24	GLENWOOD DR	1				
TOTAL		6				

INSTALL MODOT FURNISHED TRAFFIC SIGNAL CONTROLLER

TOTAL = 1 EACH

CCTV CAMERA ASSEMBLY

TOTAL = 1 EACH

INSTALL CCTV CAMERA ASSEMBLY

TOTAL = 1 EACH

CCTV EXTENSION POLE, 20 FT. METALLIC FINISH

TOTAL = 1 EACH

* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

*** USE D3-1 FOR ONE LINE. USE D3-1B FOR TWO LINE.

(1) MoDOT "D" PLUG SHALL BE WIRED INTO ALL NEMA CONTROLLERS WITH 7C HARDWIRE INTERCONNECT.

(2) PAYMENT IS MADE FOR THE NUMBER OF 2-CHANNEL DETECTOR CARDS AS SHOWN BELOW THE ASSIGNMENT CHART.

(3) SEE SL DISTRICT TRAFFIC SIGNAL DETECTION JSP FOR ADDITIONAL DETAILS. SIGNAL DETECTION SHALL BE PAID AS 1 PER INTERSECTION. THE CONTRACTOR SHALL PROVIDE AND INSTALL A VEHICLE DETECTION SYSTEM FULLY COVERING DETECTION ZONES AS SHOWN ON THE PLANS. THE METHOD CHOSEN SHALL COMPLY WITH MODOT'S STANDARDS AND SPECIFICATIONS. ALL EQUIPMENT USED IN THE SYSTEM SHALL BE IN ACCORDANCE WITH MODOT'S APPROVED PRODUCT LIST AND RECEIVE ST. LOUIS DISTRICT APPROVAL PRIOR TO INSTALLATION. THIS WILL BE A COMPLETE UNIT WITH ALL COSTS INCLUDED.

(4) POWER SUPPLY SHALL BE PAD MOUNTED 120V/240V POWER SUPPLY & LIGHTING CONTROLLER WITH UNINTERRUPTIBLE POWER SUPPLY. SEE DETAILS.

NEMA DETECTOR ASSIGNMENT

		CARD POSITION							
		1	2	3	4	5	6	7	8
CHANNEL	1		SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM (3)						
	2								

TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = (2)

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Ø 1 EBL	Ø 2 WB	Ø 3 SB	Ø 4 NB	Ø 5 WBL	Ø 6 EB	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	Ø 2 PED	Ø 4 PED	Ø 6 PED	NOT USED

SHEET 35 OF 95

ROUTE 366 & GLENWOOD DRIVE

INTERSECTION

SIGNAL SHEET

ROUTE 366
GLENWOOD DRIVE

D-37C

JASON LAWRENCE C. JARQUIO NUMBER PE-2021011939 PROFESSIONAL ENGINEER
STATE OF MISSOURI

07/26/2024 3:22:32 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	337

COUNTY
ST. LOUIS

JOB NO.
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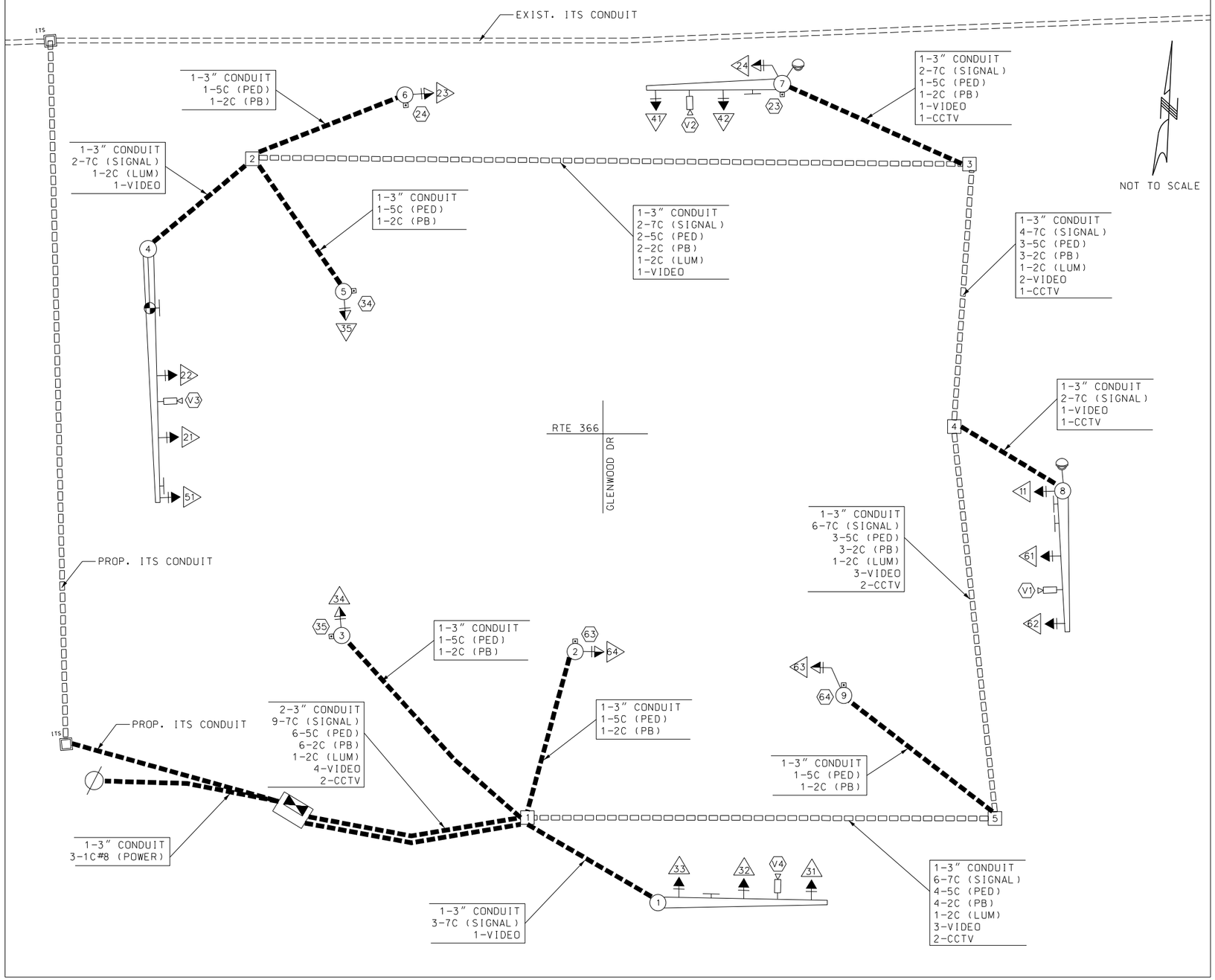
WIRING DIAGRAM



LEGEND

3"	CONDUIT CONTAINING CABLE WITH SIZE
	CABLE
X-Xc	MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
LIC	#14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
X	PULL BOX WITH NUMBER
X	POST WITH NUMBER
X	POST WITH MAST ARM
X	POST WITH MAST ARM AND LUMINAIRE
X	DETECTOR WITH NUMBER
X	SIGNAL HEAD WITH NUMBER
	SIGNAL CONTROLLER
	POWER SUPPLY
	LIGHTING CONTROLLER
	CCTV CAMERA
	OPTICOM
	VIDEO DETECTOR

STATE OF MISSOURI
JASON LAWRENCE C. JARQUIO
NUMBER PE-2021011939
PROFESSIONAL ENGINEER
07/26/2024 3:22:32 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED 7/26/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 338
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr., Ste 300
Chesterfield, Missouri 63017
636.240.2444
www.gbateam.com
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

JASON L. JARQUIO
PROFESSIONAL ENGINEER
PE-2021011939

REV.

SHEET 36 OF 95

ROUTE 366 & GLENWOOD DRIVE
INTERSECTION

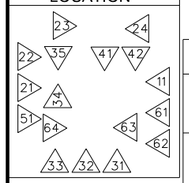
SIGNAL SHEET

ROUTE 366
GLENWOOD DRIVE

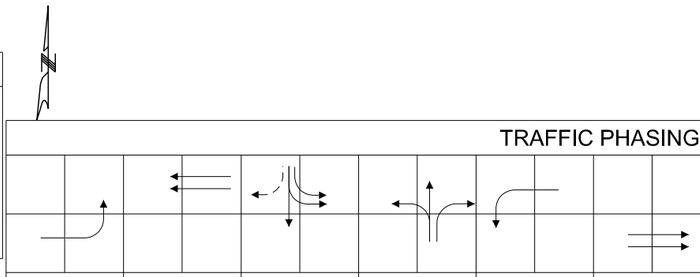
D-37D

EFFECTIVE 12/01/2017

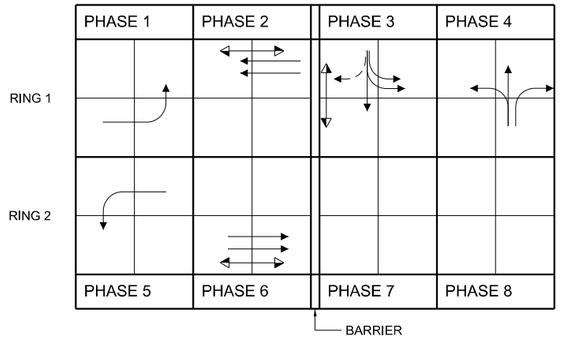
SIGNAL FACE LOCATION



TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS



		PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	PED 2 OVERLAP	PED 3 OVERLAP	PED 6 OVERLAP	
FACE NUMBERS		11	21	31 32 33	41 42	51	61			23	34	63	FACE NUMBERS
			22				62			24	35	64	
SIGNAL INDICATIONS	R	RL	R	RL R R	R R	RL	R			DW	DW	DW	R
	Y	YL	Y	YL Y Y	Y Y	YL	Y						Y
	FYA												FYA
	G	L	G	L L S G	L S G	L	G			W	W	W	G
DETECTOR ASSIGNMENTS		11	21 22	31 32 33	41 42	51	61 62						DETECTOR ASSIGNMENTS
DETECTOR ASSIGNMENTS (PEDS. ONLY)										23 24	34 35	63 64	
OVERLAP PARENT PHASES													



RING STRUCTURE

IF CALLED, ALL NON-CONFLICTING PHASES SHALL COMBINE AND TIME CONCURRENTLY. TIME TO BE DETERMINED BY THE ENGINEER AT SIGNAL TURN ON AND SET IN THE CONTROLLER BY THE CONTRACTOR.

LEGEND

- → — ACTUATED VEHICULAR MOVEMENT
- → — PARTIALLY RESTRICTED ACTUATED VEHICULAR MOVEMENT
- → — NON-ACTUATED VEHICULAR MOVEMENT
- → — PARTIALLY RESTRICTED NON-ACTUATED VEHICULAR MOVEMENT
- → — ACTUATED PEDESTRIAN MOVEMENT
- → — NON-ACTUATED PEDESTRIAN MOVEMENT
- ⊣ — VEHICLE STOPPED
- FDW — FLASHING DON'T WALK
- W — WALK
- DW — DON'T WALK
- R/W — RIGHT OF WAY INTERVAL
- YRt — YELLOW RIGHT ARROW
- RT. — GREEN RIGHT ARROW
- LY-YL — YELLOW LEFT ARROW
- L — GREEN LEFT ARROW
- S — GREEN STRAIGHT AHEAD ARROW
- G — CIRCULAR GREEN
- Y — CIRCULAR YELLOW
- R — CIRCULAR RED
- RL — RED LEFT ARROW
- Ø — TRAFFIC PHASE
- AO — ALL OTHERS
- FR — FLASHING RED
- FY — FLASHING CIRCULAR YELLOW
- FYL — FLASHING YELLOW LEFT ARROW

FLASHING OPERATION	
ALL	FR

CONTROLLER TYPE	NEMA

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF
ROUTE 366 & GLENWOOD DRIVE

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SIGNAL SHEET

ROUTE 366
GLENWOOD DRIVE

D-38A

STATE OF MISSOURI
JASON LAWRENCE C. JARQUIO NUMEIER
PE-2021011939
PROFESSIONAL ENGINEER

07/26/2024 3:22:32 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED	
7/26/2024	
MO ROUTE 366	STATE MO
DISTRICT SL	SHEET NO. 339
COUNTY ST. LOUIS	
JOB NO. J6S3582	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

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DESCRIPTION	DATE	REV.

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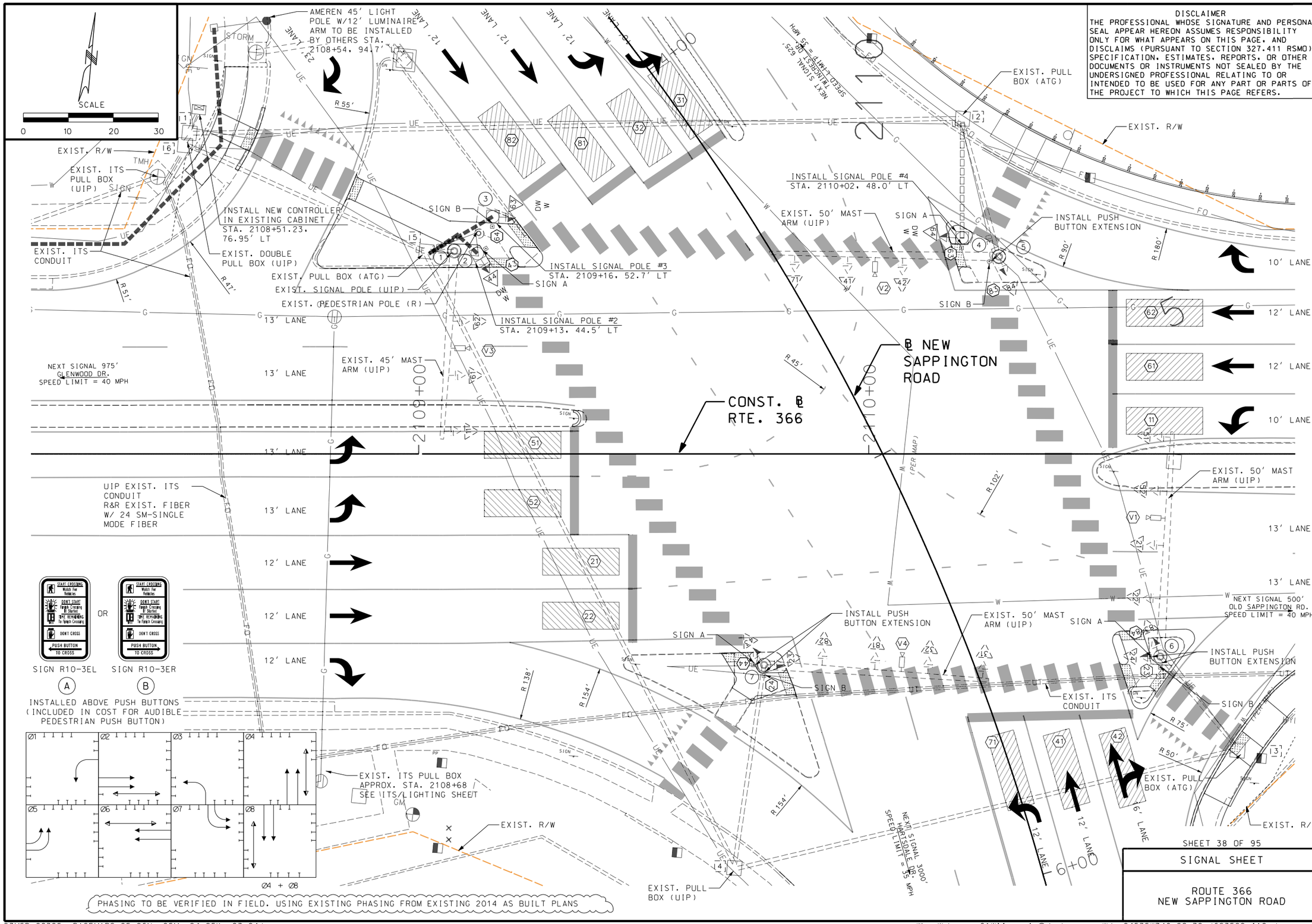

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JASON LAWRENCE C. JARQUIO
NUMBER PE-2021011939
PROFESSIONAL ENGINEER
09/05/2024 5:11:08 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED	7/26/2024
MO ROUTE	366
STATE	MO
DISTRICT	SL
SHEET NO.	340
COUNTY	ST. LOUIS
JOB NO.	J6S3582
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

DATE

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PROFESSIONAL ENGINEER
PE-2021011939

SHEET 38 OF 95

SIGNAL SHEET

ROUTE 366
NEW SAPPINGTON ROAD

REV.

| POST NUMBER | PULL BOX NUMBER | LOCATION | | | BASE | | | | | | | | | | | | | | PULL BOX | | | | | | | | | | POST | | | | | | | | | | | | | |

EFFECTIVE: 10-01-2015

CONDUIT (WITH #14 TRACER WIRE)

FROM	TO	CENTER TO CENTER DISTANCE	LOOP DET.	TRENCH				PUSHED			MEDIAN			ON STRUCTURE			REMARKS
			1"	2"	3"	4"	2" RIGID STEEL (2)	2"	3"	4"	2"	3"	4"	2"	3"		
5	2	14'			16'												
5	3	17'			19'												
2	4	27'							29'								

EFFECTIVE 04-01-2018

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POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING*				LIGHTING CONTROL * (ON POWER SUPPLY)		SERVICE POLE	
					CONTROLLER		POWER SUPPLY DISCONNECT					
							MAIN BREAKER					
APPROACH	STATION	OFFSET	DRAWING 902.15	SPECIAL DRAWING (4)	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	SIGNALS	LIGHTING	120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
ROUTE 366	EX	EX	Typo	·	EX Amps	· Amps	· Amps	· Amps		Amps	CL FL	EX
			Typo	·	· Amps	Amps	Amps	Amps		Amps	CL FL	

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF* SWITCH		COORDINATION INTERFACE *						TIME * CLOCK	NEMA CABINET TYPE *			170 CABINET TYPE *		170 SOFTWARE *	
							TYPE		12C/7C HARDWIRE (1)		TIME BASE	CLOSED LOOP		FIBER								
APPROACH	STATION	OFFSET	NEMA	170	NEMA	170	I	II	MASTER	LOCAL		NEMA	170			E	EV	DOUBLE	332	336S	BITRAN	WAPITI
ROUTE 366	EX	EX	·	·	·	·	·	·	·	·	·	·	·	EX			EX		·	·	·	·
·	·	·	·	·	·	·	·	·	·	·	·	·	·	·		·	·	·	·	·	·	·
·	·	·	·	·	·	·	·	·	·	·	·	·	·	·		·	·	·	·	·	·	·

SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM (3)

TOTAL = 1 EACH

NETWORK CONNECTED SIGNAL MONITOR

TOTAL = 1 EACH

DETECTOR SCHEDULE

DETECTOR NUMBER	APPROACH	TYPE					
		AUDIBLE PUSH BUTTON	PUSH BUTTON EXTENSION	INDUCTION LOOP (2)			OPTIONAL DETECTION (3)
				STANDARD	DELAY/ EXTEND *	CALL UNIT *	
21, 22, 51, 52	EB ROUTE 366			·	·	·	V1
41, 42, 72	NB NEW SAPPINGTON RD						V2
11, 61, 62	WB ROUTE 366						V3
31, 32, 81, 82	SB NEW SAPPINGTON RD						V4
63	WB ROUTE 366	1					
64	EB ROUTE 366	1					
84	NB NEW SAPPINGTON RD	1	1				
83	SB NEW SAPPINGTON RD	1	1				
24	EB ROUTE 366	1	1				
23	WB ROUTE 366	1	1				
44	NB NEW SAPPINGTON RD	1	1				
43	SB NEW SAPPINGTON RD	1					
·							
·							
·							
·							
·							
·							
·							
·							
·							
·							
·							
·							
TOTAL		8	5				

INSTALL MODOT FURNISHED TRAFFIC SIGNAL CONTROLLER

TOTAL = 1 EACH

* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

*** USE D3-1 FOR ONE LINE. USE D3-1B FOR TWO LINE.

(1) MoDOT "D" PLUG SHALL BE WIRED INTO ALL NEMA CONTROLLERS WITH 7C HARDWIRE INTERCONNECT.

(2) PAYMENT IS MADE FOR THE NUMBER OF 2-CHANNEL DETECTOR CARDS AS SHOWN BELOW THE ASSIGNMENT CHART.

(3) SEE SL DISTRICT TRAFFIC SIGNAL DETECTION JSP FOR ADDITIONAL DETAILS. SIGNAL DETECTION SHALL BE PAID AS 1 PER INTERSECTION. THE CONTRACTOR SHALL PROVIDE AND INSTALL A VEHICLE DETECTION SYSTEM FULLY COVERING DETECTION ZONES AS SHOWN ON THE PLANS. THE METHOD CHOSEN SHALL COMPLY WITH MODOT'S STANDARDS AND SPECIFICATIONS. ALL EQUIPMENT USED IN THE SYSTEM SHALL BE IN ACCORDANCE WITH MODOT'S APPROVED PRODUCT LIST AND RECEIVE ST. LOUIS DISTRICT APPROVAL PRIOR TO INSTALLATION. THIS WILL BE A COMPLETE UNIT WITH ALL COSTS INCLUDED.

(4) POWER SUPPLY SHALL BE PAD MOUNTED 120V/240V POWER SUPPLY & LIGHTING CONTROLLER WITH UNINTERRUPTIBLE POWER SUPPLY. SEE DETAILS.

NEMA DETECTOR ASSIGNMENT

		CARD POSITION							
		1	2	3	4	5	6	7	8
CHANNEL	1	·	SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM (3)						·
	2	·	·	·	·	·	·	·	·

TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = (2)

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Ø1 WBL	Ø2 EB	Ø3 SBL	Ø4 NB	Ø5 EBL	Ø6 WB	Ø7 NBL	Ø8 SB	NOT USED	NOT USED	NOT USED	NOT USED	Ø2 PED	Ø4 PED	Ø6 PED	Ø8 PED

SIGNAL SIGNS

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
	R10-10L	24 X 30	5.0		
	R10-10R	24 X 30	5.0		
	R3-5L	30 X 36	7.5		
	R3-5R	30 X 36	7.5		
	R3-5A	30 X 36	7.5		
	R3-6L	30 X 36	7.5		
	R3-6R	30 X 36	7.5		
	R3-2	24 X 24	4.0		
	R3-1	24 X 24	4.0		
	R3-3	24 X 24	4.0		
	D3-1 ***	VAR. X 18			
	D3-1B ***	VAR. X 18			
4	R10-3EL	9 X 15	0.9	3.6**	4**
4	R10-3ER	9 X 15	0.9	3.6**	4**
	R10-11A	24 X 30	5.0		
	R10-13	36 X 24	6.0		
	R10-27A	30 X 36	7.5		
			SUBTOTAL	7.2	8
			TOTAL	0	0

** NOTE: NO DIRECT PAY FOR REQUIRED R10-3E SIGNS AND MOUNTING HARDWARE TO BE INCLUDED AS INCIDENTAL TO COST OF THE PUSH BUTTON.

JASON LAWRENCE C. JARQUIO NUMBER PE-2021011939 PROFESSIONAL ENGINEER
STATE OF MISSOURI
07/26/2024 3:22:34 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED 7/26/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 343
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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REV.

ROUTE 366 & NEW SAPPINGTON RD
INTERSECTION

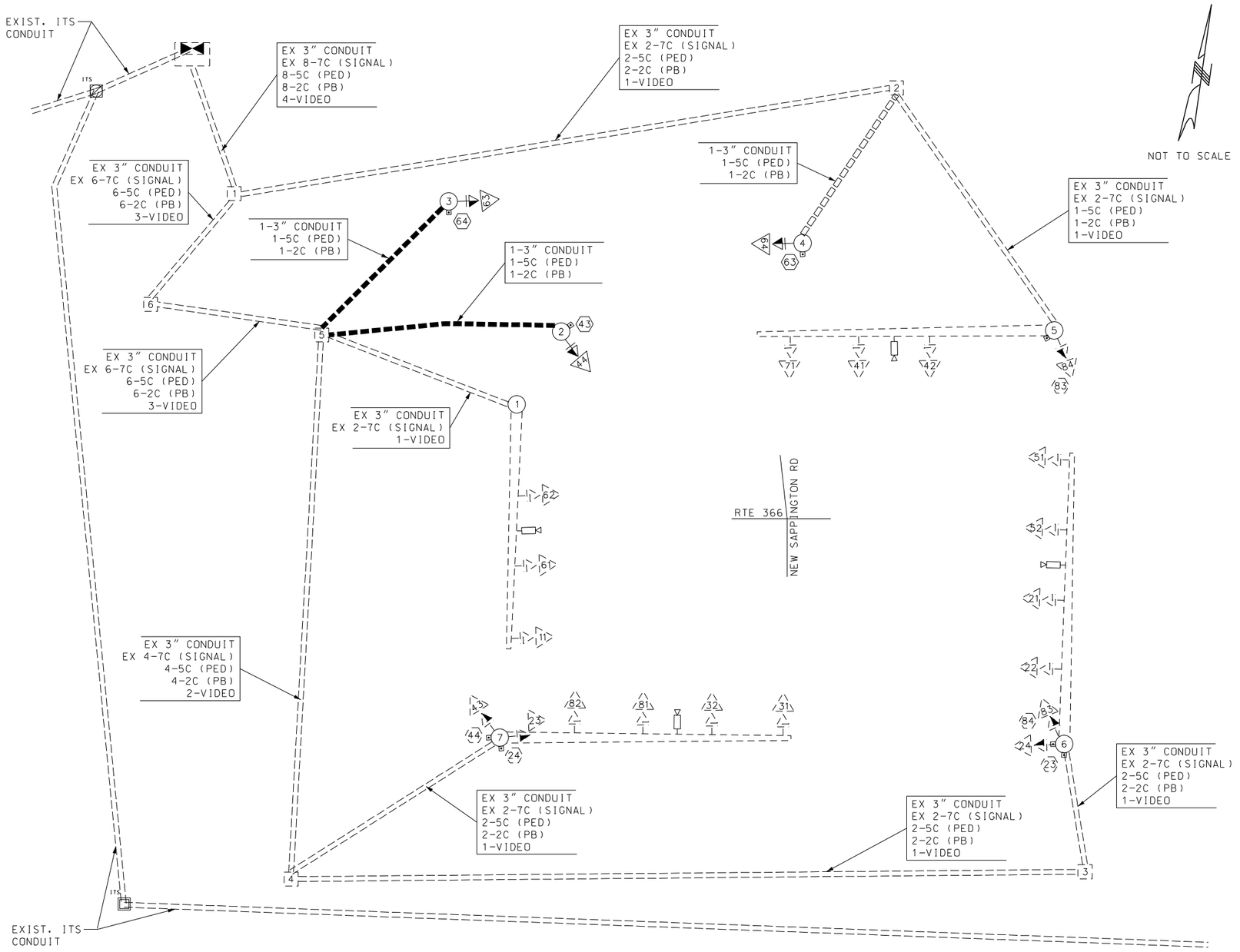
SIGNAL SHEET

ROUTE 366
NEW SAPPINGTON RD

D-37C

EFFECTIVE 12-01-17

WIRING DIAGRAM



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LEGEND

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- CABLE
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- X POST WITH MAST ARM
- X POST WITH MAST ARM AND LUMINAIRE
- X DETECTOR WITH NUMBER
- X SIGNAL HEAD WITH NUMBER
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MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	344

COUNTY: ST. LOUIS
JOB NO.: J6S3582
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ROUTE 366 & NEW SAPPINGTON RD
INTERSECTION

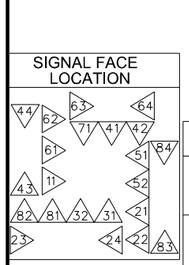
SIGNAL SHEET

ROUTE 366
NEW SAPPINGTON RD

D-37D

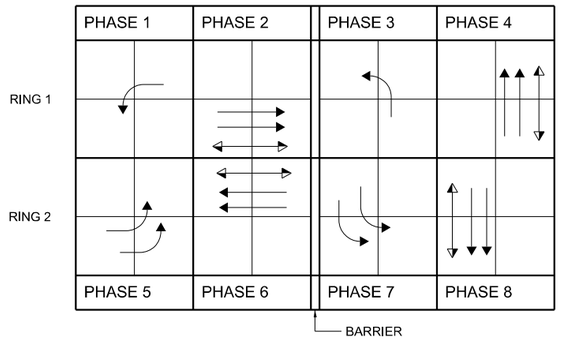
EFFECTIVE 12/01/2017

SIGNAL FACE LOCATION



TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS

	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	PED Ø 2 OVERLAP	PED Ø 4 OVERLAP	PED Ø 6 OVERLAP	PED Ø 8 OVERLAP
FACE NUMBERS	11	21 22	31 32	41 42	51 52	61 62	71	81 82	23 24	43 44	63 64	83 84
SIGNAL INDICATIONS R	RL	R R	RL RL	R R	RL RL	R R	RL	R R	DW	DW	DW	DW
SIGNAL INDICATIONS Y	YL	Y Y	YL YL	Y Y	YL YL	Y Y	YL	Y Y				
SIGNAL INDICATIONS FYA												
SIGNAL INDICATIONS G	L	S S	L L	S S	L L	S S	L	S S	W	W	W	W
DETECTOR ASSIGNMENTS												
DETECTOR ASSIGNMENTS (PEDS. ONLY)									23 24	43 44	63 64	83 84
OVERLAP PARENT PHASES												



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- Y — CIRCULAR YELLOW
- R — CIRCULAR RED
- RL — RED LEFT ARROW
- Ø — TRAFFIC PHASE
- AO — ALL OTHERS
- FR — FLASHING RED
- FY — FLASHING CIRCULAR YELLOW
- FYL — FLASHING YELLOW LEFT ARROW

FLASHING OPERATION	
ALL	FR
CONTROLLER TYPE	NEMA

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF
ROUTE 366 & NEW SAPPINGTON RD

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DATE PREPARED 7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	345

COUNTY: ST. LOUIS
JOB NO.: J6S3582
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105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr., Ste 300
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636.240.2444
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GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

JASON L. JARQUIO
PROFESSIONAL ENGINEER
PE-2021011939

REV.

SIGNAL SHEET

ROUTE 366
NEW SAPPINGTON RD

D-38A

SCALE
0 10 20 30

Ø1 Ø2 Ø3 NOT USED Ø4
Ø5 Ø6 Ø7 NOT USED Ø8

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/30/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/30/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	346

COUNTY
ST. LOUIS
JOB NO.
J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION | DATE | REV.

RTE 366 STA. 2145+65.59=
WATSON INDUSTRIAL PARK. STA. 5+00.00

℄ WATSON INDUSTRIAL PARK

COMMERCIAL
CEMETERY
12' LANE
12' LANE
NEXT SIGNAL N/A
5.20%
SPEED LIMIT = 20 MPH
EXIST. ESMT
EXIST. R/W
35' MAST ARM
T.C.E.
BUS STOP
8' POST
Brookview Dr
Watson Industrial Park
D3-1b STREET SIGN
50' MAST ARM
Watson Rd
D3-1 STREET SIGN
LEFT TURN YIELD ON GREEN
R10-12
LEFT TURN YIELD ON FLASHING ARROW
R10-27A
12' LANE
NEXT SIGNAL 855' PARDEE LANE
6.12%
SPEED LIMIT = 40 MPH
11' LANE
CONST. ℄ RTE 366
NEXT SIGNAL 705' CRESTVIEW LANE
6.12%
SPEED LIMIT = 40 MPH
REMOVE EXIST. FIBER & RUN
NEW 24 SM FIBER IN EXIST. CONDUIT
30' MAST ARM
NEXT SIGNAL N/A
3.08%
SPEED LIMIT = N/A
PROP. SIGNAL CONTROLLER
PAD MOUNTED SIGNAL POWER SUPPLY WITH UPS
EXIST. POWER SOURCE (UIP)
EXIST. ITS PB (UIP)
EXIST. POWER SUPPLY (R)
EXIST. SIGNAL CONTROLLER (R)
℄ BROOKVIEW DR

SIGN R10-3EL SIGN R10-3ER
INSTALLED ABOVE PUSH BUTTONS
(INCLUDED IN COST FOR AUDIBLE PEDESTRIAN PUSH BUTTON)

SHEET 44 OF 95

SIGNAL SHEET

MO ROUTE 366/
WATSON INDUSTRIAL PARK

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

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| POST NUMBER | PULL BOX NUMBER | LOCATION APPROACH | STATION | OFFSET | BASE A 9 | A 9.5 | A 10 | A 10.5 | A 11 | A 12 | F 9 | F 9.5 | F 10 | F 10.5 | F 11 | F 12 | C | CONCRETE** (CU. YDS.) | PULL BOX PREFORMED CLASS 1 | CLASS 2 | CLASS 3 | CLASS 5 | CONCRETE STANDARD | DOUBLE, TYPE A | DOUBLE, TYPE B | ADJUST TO GRADE | DRAIN TYPE* I | II A | II B | II C | POST 4 FT. PED POST | TOP MOUNT POST 8 FT. | TOP MOUNT POST 15 FT. | TYPE C & CL ARM LENGTH A | ARM LENGTH A | ARM LENGTH A | ARM LENGTH A | SIGNAL SPACING B | SIGNAL SPACING C | SIGNAL SPACING D | SIGNAL SPACING D' | SIGN SPACING B | SIGN SPACING C | SIGN SPACING D | SIGN SPACING D' | TYPE B & BL ARM LENGTH E | ARM LENGTH K | ARM LENGTH E | ARM LENGTH K | ARM LENGTH E | ARM LENGTH K | LEFT ARM E SIGNAL SPACING F | SIGNAL SPACING G | SIGNAL SPACING H | SIGNAL SPACING H' | SIGN SPACING F | SIGN SPACING G | SIGN SPACING H | SIGN SPACING H' | RIGHT ARM K SIGNAL SPACING L | SIGNAL SPACING M | SIGNAL SPACING N | SIGNAL SPACING N' | SIGN SPACING L | SIGN SPACING M | SIGN SPACING N | SIGN SPACING N' | INCLUDED ANGLE | LUMINAIRE BRACKET ARM** 4 FT. | 6 FT. | 8 FT. | 10 FT. | 12 FT. | 15 FT. |
|---|---|---

EFFECTIVE: 10-01-2015

CONDUIT (WITH #14 TRACER WIRE)

FROM	TO	CENTER TO CENTER DISTANCE	LOOP DET.	TRENCH				PUSHED			MEDIAN			ON STRUCTURE			REMARKS
			1″	2″	3″	4″	2″ RIGID STEEL (2)	2″	3″	4″	2″	3″	4″	2″	3″		
PS	$\varnothing_{UPS}$	16′					(24′)										SOURCE TO SUPPLY
$\varnothing_{UPS}$	☒	6′			14′												2-3″ CONDUITS
$\varnothing_{UPS}$	1	8′			11′												FOR LUMINARE CABLE
☒	1	5′			16′												
1	①	10′			13′												
1	②	16′			17′												
1	2	62′						60′									
2	③	16′			19′												
2	3	103′						101′									
3	④	12′			15′												
1	4	103′						101′									
4	⑤	6′			9′												
4	⑥	19′			20′												
SUBTOTALS					134′		(24′)		262′								
TOTALS					134′		(24′)		262′								

CABLE

FROM	TO	CENTER TO CENTER DISTANCE	POWER		CONTROL				CLOSED LOOP INTERCONNECT	LUMINAIRE		DETECTOR			CCTV CAMERA CABLE	REMARKS
			1c #8	1c #2 (2)	2c #16	5c #16	7c #16	3c #16	3 PAIR #16	CONTROL 2c #12	POLE & BRACKET 1c #10	1c #14 IN DUCT	2c #14 LEAD-IN CABLE	VIDEO CABLE (1)		
PS	$\varnothing_{UPS}$	16′		(177′)												SOURCE TO SUPPLY
$\varnothing_{UPS}$	☒	6′	66′													3-1C#8 CABLES
☒	①	15′					97′									SIGNAL HEAD 11
☒	①	15′					80′									SIGNAL HEAD 61
☒	①	15′					68′									SIGNAL HEAD 62
☒	①	15′				39′										PEDESTRIAN HEAD 63
☒	①	15′			38′											PUSH BUTTON 64
☒	①	15′												(83′)		VIDEO V-1
☒	②	21′				45′										PEDESTRIAN HEAD 44
☒	②	21′			44′											PUSH BUTTON 43
☒	③	83′					152′									SIGNAL HEAD 81
☒	③	83′					140′									SIGNAL HEAD 82
☒	③	83′					116′									SIGNAL HEAD 83
☒	③	83′				113′										PEDESTRIAN HEAD 64
☒	③	83′			112′											PUSH BUTTON 63
☒	③	83′												(153′)		VIDEO V-2
☒	④	181′					279′									SIGNAL HEAD 51
☒	④	181′					262′									SIGNAL HEAD 21
☒	④	181′					249′									SIGNAL HEAD 22
☒	④	181′				217′										PEDESTRIAN HEAD 23
☒	④	181′			216′											PUSH BUTTON 24
☒	④	181′												(265′)		VIDEO V-3
☒	⑤	114′					188′									SIGNAL HEAD 41
☒	⑤	114′					147′									SIGNAL HEAD 42
☒	⑤	114′				144′										PEDESTRIAN HEAD 24
☒	⑤	114′			143′											PUSH BUTTON 23
☒	⑤	114′												(178′)		VIDEO V-4
☒	⑥	127′				157′										PEDESTRIAN HEAD 43
☒	⑥	127′			156′											PUSH BUTTON 44
$\varnothing_{UPS}$	①	17′								19′	86′					LUMINAIRE
$\varnothing_{UPS}$	③	85′								87′	98′					LUMINAIRE
$\varnothing_{UPS}$	④	184′								196′	90′					LUMINAIRE
$\varnothing_{UPS}$	⑤	117′								128′	78′					LUMINAIRE
SUBTOTALS			66′	(177′)	709′	715′	1778′			430′	352′			(679′)		
5% FOR SNAKING			69′	(186′)	744′	750′	1867′			452′	397′			(712′)		
TOTALS			70′	(190′)	750′	750′	1870′			460′	400′			(720′)		

(1) NO DIRECT PAY FOR REQUIRED VIDEO DETECTOR CABLE
(2) QUANTITY SHOWN FOR INFORMATION PURPOSES. NO DIRECT PAY.

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2325025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED: 7/25/2024
MO ROUTE: 366
STATE: MO
DISTRICT: SL
SHEET NO.: 348
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION
DATE
REV.

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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SHEET 46 OF 95

SIGNAL SHEET

MO ROUTE 366 WATSON ROAD/WATSON INDUSTRIAL PARK
INTERSECTION

MO ROUTE 366/
WATSON INDUSTRIAL PARK

D-37B

POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING✳				LIGHTING CONTROL ✳ (ON POWER SUPPLY)		SERVICE POLE	
					CONTROLLER		POWER SUPPLY DISCONNECT					
APPROACH	STATION	OFFSET	DRAWING 902.15	SPECIAL DRAWING (4)	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	MAIN BREAKER		120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
							SIGNALS	LIGHTING				
RTE 366	2146+13.76	59.08'RT	Type	1	15 Amps	· Amps	100 Amps	Amps		· Amps	Ct. Ft.	AMEREN
			Type		Amps	Amps	Amps	Amps		Amps	Ct. Ft.	

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF✳ SWITCH		COORDINATION INTERFACE ✳						TIME ✳ CLOCK	NEMA CABINET TYPE ✳			170 CABINET TYPE ✳		170 SOFTWARE ✳	
							TYPE		12C/7C HARDWIRE (1)		TIME BASE	CLOSED LOOP		FIBER								
APPROACH	STATION	OFFSET	NEMA	170	NEMA	170	I	II	MASTER	LOCAL		NEMA	170			E	EV	DOUBLE	332	336S	BITRAN	WAPITI
RTE 366	2146+07.37	59.38'RT	·	·	1	·											1					

NEMA DETECTOR ASSIGNMENT

		CARD POSITION							
		1	2	3	4	5	6	7	8
CHANNEL	1		SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM (3)						
	2								

TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = (2)

SIGNAL SIGNS

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
	R10-10L	24 X 30	5.0		
	R10-10R	24 X 30	5.0		
	R3-5L	30 X 36	7.5		
	R3-5R	30 X 36	7.5		
	R3-5A	30 X 36	7.5		
	R3-6L	30 X 36	7.5		
	R3-6R	30 X 36	7.5		
	R3-2	24 X 24	4.0		
	R3-1	24 X 24	4.0		
	R3-3	24 X 24	4.0		
2	D3-1 ✳✳✳	72 X 18	9.0	18.0	2
2	D3-1b ✳✳✳	96 X 18	12.0	24.0	2
2	R10-3EL	9 X 15	0.9	1.8✳	2✳
4	R10-3ER	9 X 15	0.9	3.6✳	4✳
	R10-11A	24 X 30	5.0		
1	R10-12	30 X 36	7.5	7.5	1
	R10-13	36 X 24	6.0		
3	R10-27A	30 X 36	7.5	22.5	3
			SUBTOTAL	77.4	14
			TOTAL	72	8

DETECTOR SCHEDULE

DETECTOR NUMBER	APPROACH	TYPE				
		AUDIBLE PUSH BUTTON	INDUCTION LOOP (2)			SL DETECTION (3)
			STANDARD	DELAY/ EXTEND ✳	CALL UNIT ✳	
23	SB WATSON INDUS	1	·	·	·	·
24	SB WATSON INDUS	1				
43	WB WATSON RD	1				
44	WB WATSON RD	1				
63	NB BROOKVIEW DR	1				
64	NB BROOKVIEW DR	1				
11	EB WATSON RD					V1
61	EB WATSON RD					V1
62	EB WATSON RD					V1
41	NB BROOKVIEW DR					V4
51	WB WATSON RD					V3
21	WB WATSON RD					V3
22	WB WATSON RD					V3
81	SB WATSON INDUS					V2
82	SB WATSON INDUS					V2
		6				

✳ ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

✳✳✳ USE D3-1 FOR ONE LINE. USE D3-1B FOR TWO LINE.

(1) MoDOT "D" PLUG SHALL BE WIRED INTO ALL NEMA CONTROLLERS WITH 7C HARDWIRE INTERCONNECT.

(2) PAYMENT IS MADE FOR THE NUMBER OF 2-CHANNEL DETECTOR CARDS AS SHOWN BELOW THE ASSIGNMENT CHART.

(3) SEE SL DISTRICT TRAFFIC SIGNAL DETECTION JSP FOR ADDITIONAL DETAILS. SIGNAL DETECTION SHALL BE PAID AS 1 PER INTERSECTION. THE CONTRACTOR SHALL PROVIDE AND INSTALL A VEHICLE DETECTION SYSTEM FULLY COVERING DETECTION ZONES AS SHOWN ON THE PLANS. THE METHOD CHOSEN SHALL COMPLY WITH MODOT'S STANDARDS AND SPECIFICATIONS. ALL EQUIPMENT USED IN THE SYSTEM SHALL BE IN ACCORDANCE WITH MODOT'S APPROVED PRODUCT LIST AND RECEIVE COMPLETE UNIT WITH ALL COSTS INCLUDED.

(4) POWER SUPPLY SHALL BE PAD MOUNTED 120V/240V POWER SUPPLY & LIGHTING CONTROLLER WITH UNINTERRUPTIBLE POWER SUPPLY. SEE DETAILS. AT THIS LOCATION, NO 240V LIGHTING IS PRESENT, SO THE LIGHTING METER SLOT SHALL BE LEFT EMPTY.

NOTE: PAYMENT FOR PUSH BUTTON SIGNS (R10-3E) & MOUNTING HARDWARE ARE TO BE INCIDENTAL TO THE COST OF THE PUSH BUTTON

SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM (3)
TOTAL = 1 EACH

NETWORK CONNECTED SIGNAL MONITOR
TOTAL = 1 EACH

COMBINATION PAD MOUNTED 120V/240V POWER SUPPLY AND LIGHTING CONTROLLER WITH UPS
TOTAL = 1 EACH

NOTE: BID PRICE FOR PAD MOUNTED POWER SUPPLY/CONTROLLER SHALL INCLUDE CABLE (#2 AWG.), RIGID STEEL CONDUIT, AND TRENCHING BETWEEN ASSEMBLY AND UTILITY COMPANY FACILITIES

INSTALL MODOT FURNISHED TRAFFIC SIGNAL CONTROLLER
TOTAL = 1 EACH

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Ø 1 EBL	Ø 2 WB	NOT USED	Ø 4 NB	Ø 5 WBL	Ø 6 EB	NOT USED	Ø 8 SB	OLA	OLB	OLC	NOT USED	Ø 2 PED	Ø 4 PED	Ø 6 PED	NOT USED

MO ROUTE 366 WATSON ROAD/WATSON INDUSTRIAL PARK
INTERSECTION

D-37C

SHEET 47 OF 95

SIGNAL SHEET

MO ROUTE 366/
WATSON INDUSTRIAL PARK

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	349

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT

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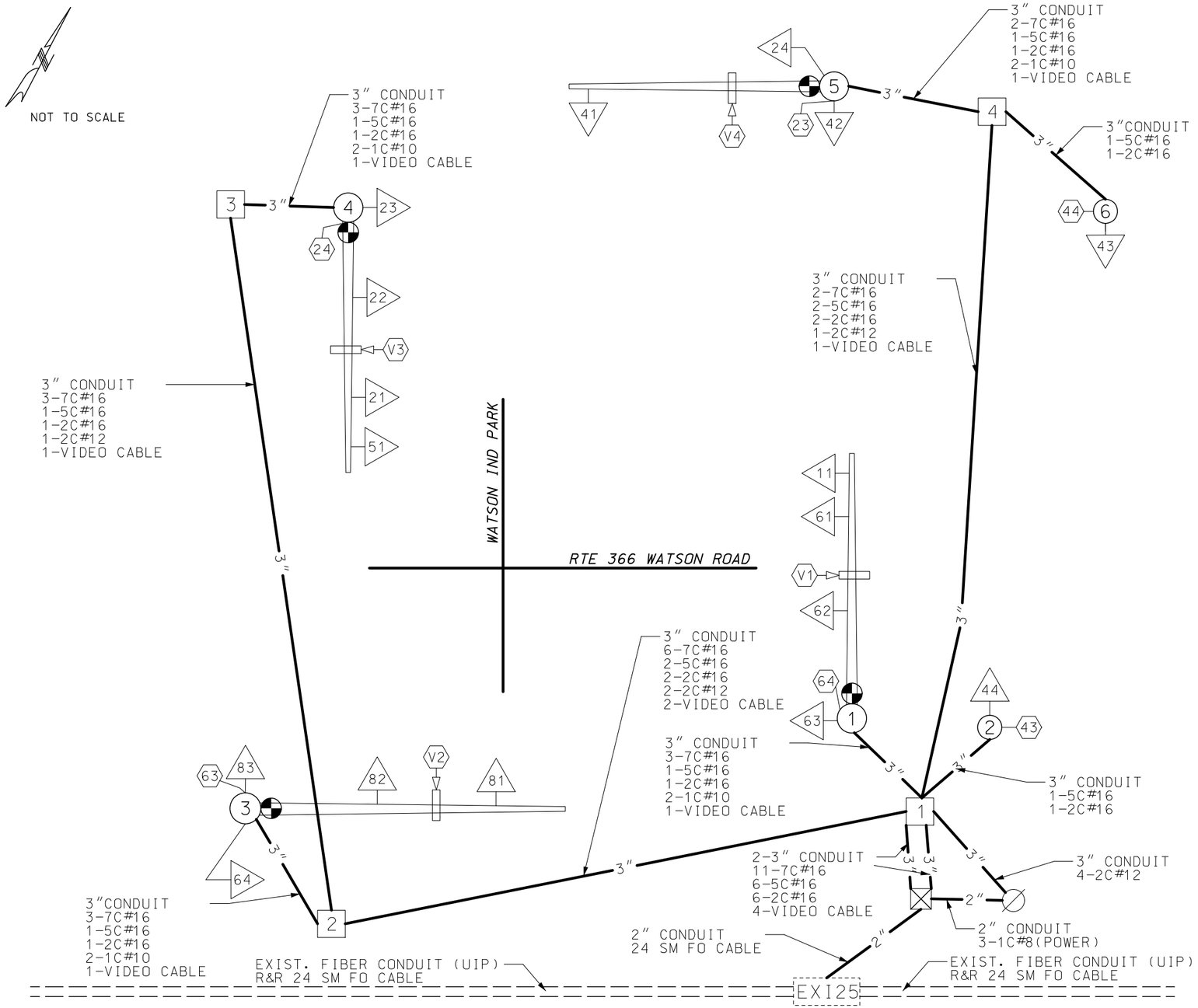
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

WIRING DIAGRAM



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LEGEND

- 3" CONDUIT CONTAINING CABLE WITH SIZE
- CABLE
- EXISTING CONDUIT
- X-Xc MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
- LIC #14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
- X PULL BOX WITH NUMBER
- X POST WITH NUMBER
- X POST WITH MAST ARM
- X POST WITH MAST ARM AND LUMINAIRE
- X DETECTOR WITH NUMBER
- X SIGNAL HEAD WITH NUMBER
- SIGNAL CONTROLLER
- POWER SUPPLY
- LIGHTING CONTROLLER
- VIDEO DETECTION CAMERA
- CCTV CAMERA

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2025025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED 7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	350

COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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JEFFERSON CITY, MO 65102
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REV.

SHEET 48 OF 95

SIGNAL SHEET

MO ROUTE 366/
WATSON INDUSTRIAL PARK

MO ROUTE 366 WATSON ROAD / WATSON INDUSTRIAL PARK

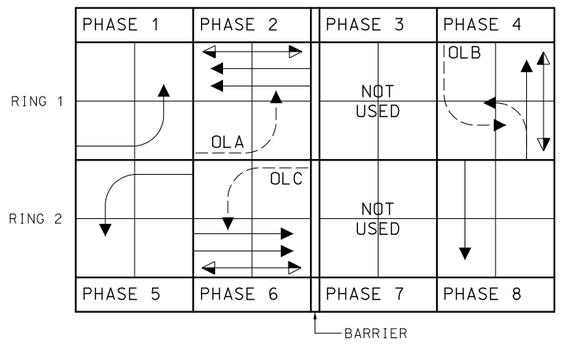
INTERSECTION

D-37D

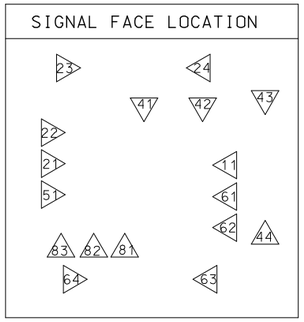
EFFECTIVE 12/01/2017

TRAFFIC PHASING AND COLOR SEQUENCE – ACTUATED CONTROLLERS

	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	OVERLAP A	OVERLAP B	OVERLAP C	OVERLAP D	PED Φ 2	PED Φ 4	PED Φ 6	PED Φ 8	
			NOT USED				NOT USED		OLA		OLC	NOT USED				NOT USED	
FACE NUMBERS	11	21 22		41 42	51	61 62		82 83	11	81	51		23 24	43 44	63 64		FACE NUMBERS
SIGNAL INDICATIONS R		R R		R R		R R		R	RL	RL	RL		DW DW	DW DW	DW DW		R
SIGNAL INDICATIONS Y		Y Y		Y Y		Y Y		Y	YL	YL	YL						Y
SIGNAL INDICATIONS FYA									FYL	FYL	FYL						FYA
SIGNAL INDICATIONS G	L	G G		G G	L	G G		G					W W	W W	W W		G
DETECTOR ASSIGNMENTS	11	21 22		41 41	51	61 62		82									DETECTOR ASSIGNMENTS
DETECTOR ASSIGNMENTS (PEDS. ONLY)													23 24	43 44	63 64		
OVERLAP PARENT PHASES									2	4	6						



RING STRUCTURE



IF CALLED, ALL NON-CONFLICTING PHASES SHALL COMBINE AND TIME CONCURRENTLY. TIME TO BE DETERMINED BY THE ENGINEER AT SIGNAL TURN ON AND SET IN THE CONTROLLER BY THE CONTRACTOR.

LEGEND

- ACTUATED VEHICULAR MOVEMENT
- PARTIALLY RESTRICTED ACTUATED VEHICULAR MOVEMENT
- NON-ACTUATED VEHICULAR MOVEMENT
- PARTIALLY RESTRICTED NON-ACTUATED VEHICULAR MOVEMENT
- ACTUATED PEDESTRIAN MOVEMENT
- NON-ACTUATED PEDESTRIAN MOVEMENT
- VEHICLE STOPPED
- FDW — FLASHING DON'T WALK
- W — WALK
- DW — DON'T WALK
- R/W — RIGHT OF WAY INTERVAL
- YR† — YELLOW RIGHT ARROW
- RT. — GREEN RIGHT ARROW
- LY –YL — YELLOW LEFT ARROW
- L — GREEN LEFT ARROW
- S — GREEN STRAIGHT AHEAD ARROW
- G — CIRCULAR GREEN
- Y — CIRCULAR YELLOW
- R — CIRCULAR RED
- RL — RED LEFT ARROW
- Ø — TRAFFIC PHASE
- AO — ALL OTHERS
- FR — FLASHING RED
- FY — FLASHING CIRCULAR YELLOW
- FYL — FLASHING YELLOW LEFT ARROW

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FLASHING OPERATION	
ALL	FR

CONTROLLER TYPE	NEMA 8Φ

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF MO ROUTE 366 WATSON ROAD

WITH WATSON INDUSTRIAL PARK

SHEET 49 OF 95

SIGNAL SHEET

MO ROUTE 366/
WATSON INDUSTRIAL PARK

D-38A

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED 7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	351

COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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REV.

SCALE
0 10 20 30

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07/29/2024
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DATE PREPARED
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MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	352

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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SHEET 50 OF 95

SIGNAL SHEET

MO ROUTE 366/
PARDEE LANE

SIGN R10-3EL SIGN R10-3ER
INSTALLED ABOVE PUSH BUTTONS
(INCLUDED IN COST FOR AUDIBLE PEDESTRIAN PUSH BUTTON)

| POST NUMBER | PULL BOX NUMBER | LOCATION APPROACH | LOCATION STATION | LOCATION OFFSET | BASE A 9 | BASE A 9.5 | BASE A 10 | BASE A 10.5 | BASE A 11 | BASE A 12 | BASE F 9 | BASE F 9.5 | BASE F 10 | BASE F 10.5 | BASE F 11 | BASE F 12 | BASE C | BASE CONCRETE** (CU. YDS.) | PULL BOX PREFORMED CLASS 1 | PREFORMED CLASS 2 | PREFORMED CLASS 3 | PREFORMED CLASS 5 | CONCRETE STANDARD | CONCRETE DOUBLE, TYPE A | CONCRETE DOUBLE, TYPE B | ADJUST TO GRADE | DRAIN TYPE* I | DRAIN TYPE* II A | DRAIN TYPE* II B | DRAIN TYPE* II C | POST 4 FT. PED POST | POST TOP MOUNT POST 8 FT. | POST TOP MOUNT POST 15 FT. | TYPE C & CL ARM LENGTH A | A | A | A | SIGNAL SPACING B | C | D | D′ | SIGN SPACING B | C | D | D′ | TYPE B & BL ARM LENGTH E | K | E | K | E | K | LEFT ARM E SIGNAL SPACING F | G | H | H′ | LEFT ARM E SIGN SPACING F | G | H | H′ | RIGHT ARM K SIGNAL SPACING L | M | N | N′ | RIGHT ARM K SIGN SPACING L | M | N | N′ | INCLUDED ANGLE | LUMINAIRE BRACKET ARM** 4 FT. | 6 FT. | 8 FT. | 10 FT. | 12 FT. | 15 FT. |
|---|---|---

EFFECTIVE: 10-01-2015

CONDUIT (WITH #14 TRACER WIRE)

FROM	TO	CENTER TO CENTER DISTANCE	LOOP DET.	TRENCH				PUSHED			MEDIAN			ON STRUCTURE			REMARKS
			1″	2″	3″	4″	2″ RIGID STEEL (2)	2″	3″	4″	2″	3″	4″	2″	3″		
PS	∅UPS	13′					(21′)										SOURCE TO SUPPLY
∅UPS	☒	14′			22′												
∅UPS	1	9′			12′												FOR LUMINAIRE CABLE
☒	1	7′			20′												2-3″ CONDUITS
1	2	29′							27′								
2	1	6′							7′								
2	3	41′							39′								
3	2	22′			25′												
3	3	31′							32′								
3	7	61′							59′								
7	4	9′							10′								
3	4	97′							95′								
4	5	38′							36′								
5	5	49′							50′								
5	6	36′							37′								
4	7	14′							17′								
4	6	70′							68′								
6	8	6′							9′								
SUBTOTALS		79′					(21′)		486′								
TOTALS		79′					(21′)		486′								

CABLE

FROM	TO	CENTER TO CENTER DISTANCE	POWER		CONTROL				CLOSED LOOP INTERCONNECT	LUMINAIRE		DETECTOR			CCTV CAMERA CABLE	BLANK OUT SIGN CABLE (3)	REMARKS
			1c #8	1c #2 (2)	2c #16	5c #16	7c #16	3c #16	3 PAIR #16	CONTROL 2c #12	POLE & BRACKET 1c #10	1c#14 IN DUCT	2c#14 LEAD-IN CABLE	VIDEO CABLE (1)			
PS	∅UPS	13′		(168′)													SOURCE TO SUPPLY
∅UPS	☒	14′	90′														3-1C#8 CABLES
☒	1	41′				77′											PEDESTRIAN HEAD 64
☒	1	41′			76′												PUSH BUTTON 63
☒	2	99′					185′										SIGNAL HEAD 11
☒	2	99′					174′										SIGNAL HEAD 61
☒	2	99′					162′										SIGNAL HEAD 62
☒	2	99′				135′											PEDESTRIAN HEAD 63
☒	2	99′			134′												PUSH BUTTON 64
☒	2	99′												(178′)			VIDEO V-4
☒	2	99′					157′										SIGNAL HEAD 43
☒	2	99′					138′										SIGNAL HEAD 44
☒	2	99′												(169′)			VIDEO V-3
☒	3	107′				143′											PEDESTRIAN HEAD 31
☒	3	107′			142′												PUSH BUTTON 32
☒	4	146′					191′										SIGNAL HEAD 71
☒	4	146′														(188′)	BLANK OUT SIGN
☒	5	260′					311′										SIGNAL HEAD 23
☒	5	260′														(308′)	BLANK OUT SIGN
☒	6	248′				296′											PEDESTRIAN HEAD 32
☒	6	248′			295′												PUSH BUTTON 31
☒	7	188′				230′											PEDESTRIAN HEAD 25
☒	7	188′			229′												PUSH BUTTON 24
☒	8	251′					337′										SIGNAL HEAD 21
☒	8	251′					325′										SIGNAL HEAD 22
☒	8	251′					302′										SIGNAL HEAD 42
☒	8	251′				299′											PEDESTRIAN HEAD 24
☒	8	251′			298′												PUSH BUTTON 25
☒	8	251′												(338′)			VIDEO V-1
☒	8	251′					336′										SIGNAL HEAD 41
☒	8	251′												(341′)			VIDEO V-2
☒	8	251′													319′		CCTV
☒	8	251′														(322′)	BLANK OUT SIGN
∅UPS	2	100′								101′	110′						LUMINAIRE
∅UPS	8	253′								281′	80′						LUMINAIRE
∅UPS	8	253′								281′	80′						LUMINAIRE
SUBTOTALS			90′	(168′)	1174′	1180′	2618′			663′	270′			(1026′)	319′	(818′)	
5% FOR SNAKING			94′	(176′)	1232′	1239′	2749′			696′	284′			(1077′)	334′	(859′)	
TOTALS			100′	(180′)	1240′	1240′	2750′			700′	290′			(1080′)	340′	(860′)	

(1) NO DIRECT PAY FOR REQUIRED VIDEO DETECTOR CABLE
(2) QUANTITY SHOWN FOR INFORMATION PURPOSES. NO DIRECT PAY.
(3) NO DIRECT PAY FOR REQUIRED BLANK OUT SIGN CABLE

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MO ROUTE 366 WATSON ROAD/PARDEE LANE
INTERSECTION

D-37B

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2325025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	354

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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SHEET 52 OF 95

SIGNAL SHEET

MO ROUTE 366/
PARDEE LANE

POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING✱				LIGHTING CONTROL ✱ (ON POWER SUPPLY)		SERVICE POLE	
					CONTROLLER		POWER SUPPLY DISCONNECT					
APPROACH	STATION	OFFSET	DRAWING 902.15	SPECIAL DRAWING (4)	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	MAIN BREAKER		120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
							SIGNALS	LIGHTING				
RTE 366	2154+07.76	70.84'RT	Type	1	15 Amps	· Amps	100 Amps	Amps		· Amps	Ct. Ft.	AMEREN
·	·	·	Type	·	· Amps	· Amps	· Amps	· Amps	·	· Amps	Ct. Ft.	·

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CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF✱ SWITCH		COORDINATION INTERFACE ✱						TIME ✱ CLOCK	NEMA CABINET TYPE ✱			170 CABINET TYPE ✱		170 SOFTWARE ✱	
							TYPE		12C/7C HARDWIRE (1)		TIME BASE	CLOSED LOOP		FIBER								
APPROACH	STATION	OFFSET	NEMA	170	NEMA	170	I	II	MASTER	LOCAL		NEMA	170			E	EV	DOUBLE	332	336S	BITRAN	WAPITI
RTE 366	2153+96.00	63.19'RT	·	·	1	·											1					
·	·	·	·	·	·	·																
·	·	·	·	·	·	·																
·	·	·	·	·	·	·																

NEMA DETECTOR ASSIGNMENT

		CARD POSITION							
		1	2	3	4	5	6	7	8
CHANNEL	1		SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM (3)						
	2								

TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = (2)

DETECTOR SCHEDULE

DETECTOR NUMBER	APPROACH	TYPE				
		AUDIBLE PUSH BUTTON	INDUCTION LOOP (2)			SL DETECTION (3)
			STANDARD	DELAY/ EXTEND ✱	CALL UNIT ✱	
24	SB PARDEE LANE	1	·	·	·	·
25	SB PARDEE LANE	1				
31	WB WATSON RD	1				
32	WB WATSON RD	1				
63	NB PARDEE LANE	1				
64	NB PARDEE LANE	1				
11	EB WATSON RD					V4
61	EB WATSON RD					V4
62	EB WATSON RD					V4
41	PARDEE LN					V2
21	WB WATSON RD					V1
22	WB WATSON RD					V1
43	PARDEE LN					V3
		6				

✱ ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

✱✱✱ USE D3-1 FOR ONE LINE. USE D3-1B FOR TWO LINE.

(1) MoDOT "D" PLUG SHALL BE WIRED INTO ALL NEMA CONTROLLERS WITH 7C HARDWIRE INTERCONNECT.

(2) PAYMENT IS MADE FOR THE NUMBER OF 2-CHANNEL DETECTOR CARDS AS SHOWN BELOW THE ASSIGNMENT CHART.

(3) SEE SL DISTRICT TRAFFIC SIGNAL DETECTION JSP FOR ADDITIONAL DETAILS. SIGNAL DETECTION SHALL BE PAID AS 1 PER INTERSECTION. THE CONTRACTOR SHALL PROVIDE AND INSTALL A VEHICLE DETECTION SYSTEM FULLY COVERING DETECTION ZONES AS SHOWN ON THE PLANS. THE METHOD CHOSEN SHALL COMPLY WITH MODOT'S STANDARDS AND SPECIFICATIONS. ALL EQUIPMENT USED IN THE SYSTEM SHALL BE IN ACCORDANCE WITH MODOT'S APPROVED PRODUCT LIST AND RECEIVE COMPLETE UNIT WITH ALL COSTS INCLUDED.

(4) POWER SUPPLY SHALL BE PAD MOUNTED 120V/240V POWER SUPPLY & LIGHTING CONTROLLER WITH UNINTERRUPTIBLE POWER SUPPLY. SEE DETAILS.

SIGNAL SIGNS

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
	R10-10L	24 X 30	5.0		
	R10-10R	24 X 30	5.0		
1	R3-5	24 X 24	4.0	4.0	1
	R3-5L	30 X 36	7.5		
	R3-5R	30 X 36	7.5		
	R3-5A	30 X 36	7.5		
	R3-6L	30 X 36	7.5		
	R3-6R	30 X 36	7.5		
	R3-2	24 X 24	4.0		
	R3-1	24 X 24	4.0		
	R3-3	24 X 24	4.0		
2	D3-1 ✱✱✱	72 X 18	9.0	18.0	2
2	D3-1b ✱✱✱	66 X 18	8.25	16.5	2
2	R10-3EL	9 X 15	0.9	1.8✱	2✱
4	R10-3ER	9 X 15	0.9	3.6✱	4✱
	R10-11A	24 X 30	5.0		
	R10-12	30 X 36	7.5		
	R10-13	36 X 24	6.0		
1	R10-27A	30 X 36	7.5	7.5	1
1	R3-18	36 X 36	9.0	9.0	1
			SUBTOTAL	60.4	13
			TOTAL	55	7

NOTE: PAYMENT FOR PUSH BUTTON SIGNS (R10-3E) & MOUNTING HARDWARE ARE TO BE INCIDENTAL TO THE COST OF THE PUSH BUTTON

POWERED R3-1 LED BLANK OUT SIGN
TOTAL = 3 EACH

SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM (3)
TOTAL = 1 EACH

NETWORK CONNECTED SIGNAL MONITOR
TOTAL = 1 EACH

REMOVE AND RELOCATE EXISTING CCTV CAMERA
TOTAL = 1 EACH

INSTALL MODOT FURNISHED TRAFFIC SIGNAL CONTROLLER
TOTAL = 1 EACH

COMBINATION PAD MOUNTED 120V/240V POWER SUPPLY AND LIGHTING CONTROLLER WITH UPS
TOTAL = 1 EACH

NOTE: BID PRICE FOR PAD MOUNTED POWER SUPPLY/CONTROLLER SHALL INCLUDE CABLE (#2 AWG.), RIGID STEEL CONDUIT, AND TRENCHING BETWEEN ASSEMBLY AND UTILITY COMPANY FACILITIES

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Ø 1 EBL	Ø 2 WB	NOT USED	Ø 4 NB/ SB	NOT USED	Ø 6 EB	NOT USED	NOT USED	OLA	NOT USED	NOT USED	NOT USED	Ø 2 PED	NOT USED	Ø 6 PED	Ø 3 PED

MO ROUTE 366 WATSON ROAD/PARDEE LANE
INTERSECTION

D-37C

SHEET 53 OF 95

SIGNAL SHEET

MO ROUTE 366/ PARDEE LANE

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2025025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED 7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	355

COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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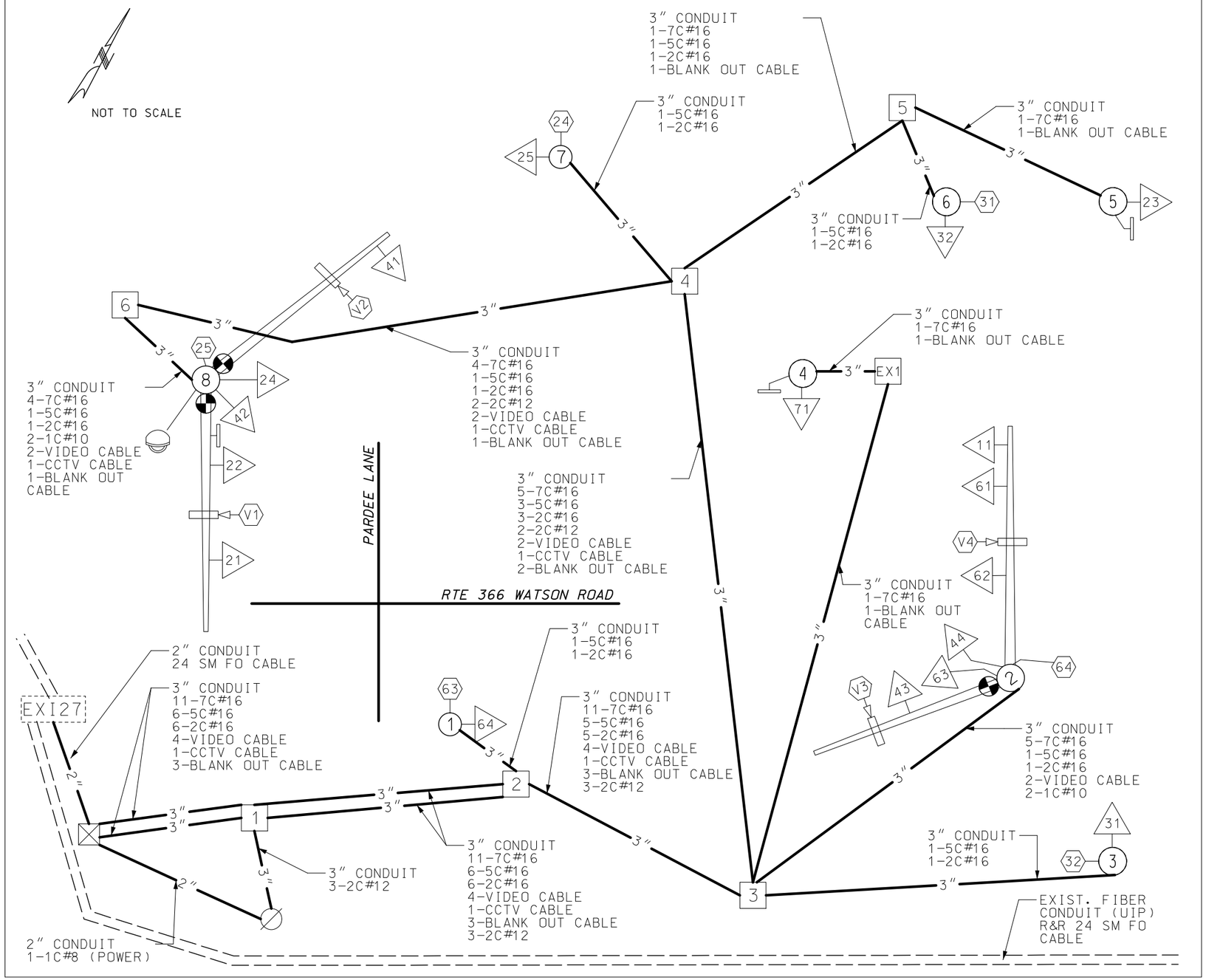
REV.

WIRING DIAGRAM



LEGEND

3"	CONDUIT CONTAINING CABLE WITH SIZE
	CABLE
	EXISTING CONDUIT
X-Xc	MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
LIC	#14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
X	PULL BOX WITH NUMBER
X	POST WITH NUMBER
X	POST WITH MAST ARM
X	POST WITH MAST ARM AND LUMINAIRE
X	DETECTOR WITH NUMBER
X	SIGNAL HEAD WITH NUMBER
	SIGNAL CONTROLLER
	POWER SUPPLY
	LIGHTING CONTROLLER
	VIDEO DETECTION CAMERA
	CCTV CAMERA

DISCLAIMER EFFECTIVE 12-01-17

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PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	356

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

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REV.

SHEET 54 OF 95

SIGNAL SHEET

MO ROUTE 366/
PARDEE LANE

D-37D

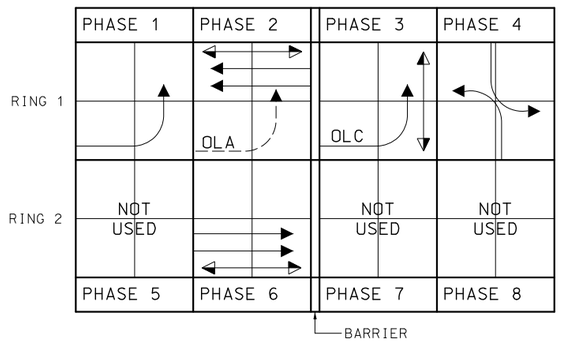
MO ROUTE 366 WATSON ROAD / PARDEE LANE

INTERSECTION

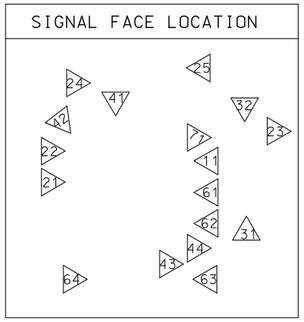
EFFECTIVE 12/01/2017

TRAFFIC PHASING AND COLOR SEQUENCE – ACTUATED CONTROLLERS

	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	OVERLAP A	OVERLAP B	OVERLAP C	OVERLAP D	PED Φ 2	PED Φ 4	PED Φ 6	PED Φ 3	
			NOT USED		NOT USED		NOT USED	NOT USED		NOT USED		NOT USED		NOT USED			
FACE NUMBERS	11	21 22		41 43 42 44		61 62	71		11		11		24 25		63 64	31 32	FACE NUMBERS
SIGNAL INDICATIONS R		R R		RL RL		R R	R		RL				DW DW		DW DW	DW DW	R
SIGNAL INDICATIONS Y		Y Y		YL YL		Y Y			YL								Y
SIGNAL INDICATIONS FYA									FYL								FYA
SIGNAL INDICATIONS G L		G G		L L		G G					L		W W		W W	W W	G
DETECTOR ASSIGNMENTS	11	21 22		41 43		61 62											DETECTOR ASSIGNMENTS
DETECTOR ASSIGNMENTS (PEDS. ONLY)													24 25		63 64	31 32	
OVERLAP PARENT PHASES									2		1 3						



RING STRUCTURE



PROGRAMMING NOTES:

1. IF CALLED, ALL NON-CONFLICTING PHASES SHALL COMBINE AND TIME CONCURRENTLY. TIME TO BE DETERMINED BY THE ENGINEER AT SIGNAL TURN ON AND SET IN THE CONTROLLER BY THE CONTRACTOR.

2. THE EB PROTECTED LT WILL BE ON OLA OUTPUT. PHASE 1 WILL BE A "DUMMY" PHASE. PHASE 1 SHALL BE WIRED TO BE SKIPPED FOR THE NEXT CYCLE IF PHASE 3 IS ON.

3. HEAD 71 (NB RED FLASHER) MUST FLASH WHENEVER PHASE 3 IS NOT ACTIVE AND GO SOLID WHEN PHASE 3 IS ON. THE CONFLICT MONITOR SHALL ALLOW THIS HEAD TO BE ON (EITHER STEADY OR FLASHING) DURING SIGNAL OPERATIONS, BUT SHALL TRIP WHEN "RED FAIL" HAPPENS. THE INDICATION WILL REMAIN FLASHING DURING ALL FLASHING OPERATION.

4. THE THREE BLANK OUT SIGNS SHALL BE CONFIGURED TO BE ACTIVE AS LONG AS PHASE 3 IS ACTIVE.

LEGEND

- ACTUATED VEHICULAR MOVEMENT
- PARTIALLY RESTRICTED ACTUATED VEHICULAR MOVEMENT
- NON-ACTUATED VEHICULAR MOVEMENT
- PARTIALLY RESTRICTED NON-ACTUATED VEHICULAR MOVEMENT
- ACTUATED PEDESTRIAN MOVEMENT
- NON-ACTUATED PEDESTRIAN MOVEMENT
- VEHICLE STOPPED
- FDW — FLASHING DON'T WALK
- W — WALK
- DW — DON'T WALK
- R/W — RIGHT OF WAY INTERVAL
- YR† — YELLOW RIGHT ARROW
- RT. — GREEN RIGHT ARROW
- LY –YL — YELLOW LEFT ARROW
- L — GREEN LEFT ARROW
- S — GREEN STRAIGHT AHEAD ARROW
- G — CIRCULAR GREEN
- Y — CIRCULAR YELLOW
- R — CIRCULAR RED
- RL — RED LEFT ARROW
- Ø — TRAFFIC PHASE
- AO — ALL OTHERS
- FR — FLASHING RED
- FY — FLASHING CIRCULAR YELLOW
- FYL — FLASHING YELLOW LEFT ARROW

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FLASHING OPERATION	
ALL	FR
CONTROLLER TYPE	NEMA 8Φ

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF MO ROUTE 366 WATSON ROAD

WITH PARDEE LANE

SHEET 55 OF 95

SIGNAL SHEET

MO ROUTE 366/
WITH PARDEE LANE

D-38A

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED 7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	357

COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
CRAWFORD, MURPHY & TILLY, INC.
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ST. LOUIS, MO 63102 (314) 436-5500
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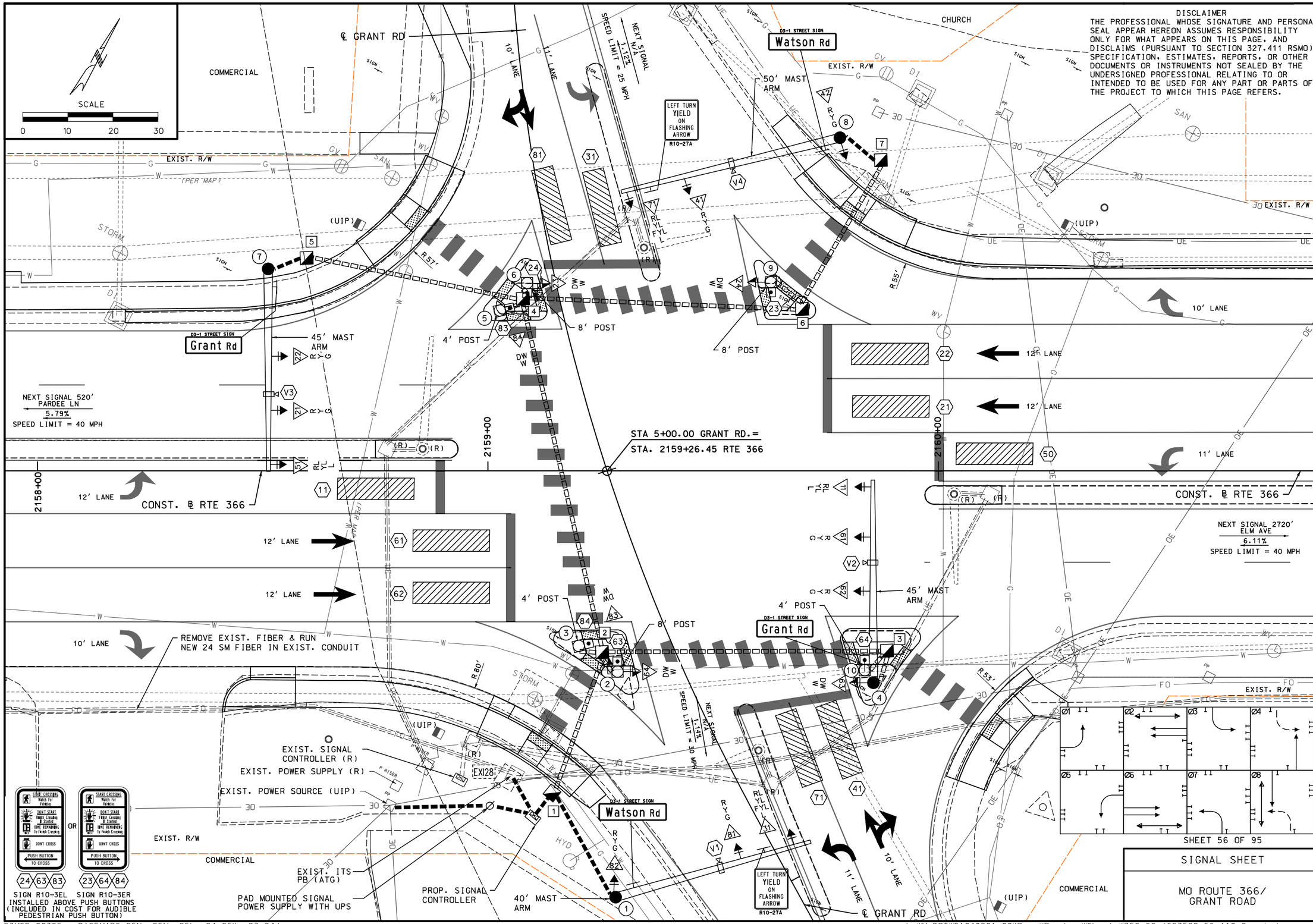

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED	7/25/2024
MO ROUTE 366	STATE MO
DISTRICT SL	SHEET NO. 358
COUNTY	ST. LOUIS
JOB NO.	J6S3582
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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SIGNAL SHEET

MO ROUTE 366/ GRANT ROAD

REV.

| POST NUMBER | PULL BOX NUMBER | LOCATION APPROACH | LOCATION STATION | LOCATION OFFSET | BASE A 9 | BASE A 9.5 | BASE A 10 | BASE A 10.5 | BASE A 11 | BASE A 12 | BASE F 9 | BASE F 9.5 | BASE F 10 | BASE F 10.5 | BASE F 11 | BASE F 12 | BASE C | BASE CONCRETE** (CU. YDS.) | PULL BOX PREFORMED CLASS 1 | PREFORMED CLASS 2 | PREFORMED CLASS 3 | PREFORMED CLASS 5 | CONCRETE STANDARD | CONCRETE DOUBLE, TYPE A | CONCRETE DOUBLE, TYPE B | ADJUST TO GRADE | DRAIN TYPE* I | DRAIN TYPE* II A | DRAIN TYPE* II B | DRAIN TYPE* II C | POST 4 FT. PED POST | POST 8 FT. TOP MOUNT POST | POST 15 FT. TOP MOUNT POST | TYPE C & CL ARM LENGTH A | TYPE C & CL ARM LENGTH A | TYPE C & CL ARM LENGTH A | TYPE C & CL ARM LENGTH A | TYPE C & CL SIGNAL SPACING B | TYPE C & CL SIGNAL SPACING C | TYPE C & CL SIGNAL SPACING D | TYPE C & CL SIGNAL SPACING D' | TYPE C & CL SIGN SPACING B | TYPE C & CL SIGN SPACING C | TYPE C & CL SIGN SPACING D | TYPE C & CL SIGN SPACING D' | TYPE B & BL ARM LENGTH E | TYPE B & BL ARM LENGTH K | TYPE B & BL LEFT ARM E SIGNAL SPACING F | TYPE B & BL LEFT ARM E SIGNAL SPACING G | TYPE B & BL LEFT ARM E SIGNAL SPACING H | TYPE B & BL LEFT ARM E SIGNAL SPACING H' | TYPE B & BL LEFT ARM E SIGN SPACING F | TYPE B & BL LEFT ARM E SIGN SPACING G | TYPE B & BL LEFT ARM E SIGN SPACING H | TYPE B & BL LEFT ARM E SIGN SPACING H' | TYPE B & BL RIGHT ARM K SIGNAL SPACING L | TYPE B & BL RIGHT ARM K SIGNAL SPACING M | TYPE B & BL RIGHT ARM K SIGNAL SPACING N | TYPE B & BL RIGHT ARM K SIGNAL SPACING N' | TYPE B & BL RIGHT ARM K SIGN SPACING L | TYPE B & BL RIGHT ARM K SIGN SPACING M | TYPE B & BL RIGHT ARM K SIGN SPACING N | TYPE B & BL RIGHT ARM K SIGN SPACING N' | TYPE B & BL INCLUDED ANGLE | LUMINAIRE BRACKET ARM** 4 FT. | LUMINAIRE BRACKET ARM** 6 FT. | LUMINAIRE BRACKET ARM** 8 FT. | LUMINAIRE BRACKET ARM** 10 FT. | LUMINAIRE BRACKET ARM** 12 FT. | LUMINAIRE BRACKET ARM** 15 FT. |
|---|---|---

EFFECTIVE: 10-01-2015

CONDUIT (WITH #14 TRACER WIRE)

FROM	TO	CENTER TO CENTER DISTANCE	LOOP DET.	TRENCH				PUSHED			MEDIAN			ON STRUCTURE			REMARKS
			1″	2″	3″	4″	2″ RIGID STEEL (2)	2″	3″	4″	2″	3″	4″	2″	3″		
PS	∅ UPS	21′					(29′)										SOURCE TO SUPPLY
∅ UPS	☒	10′			18′												
☒	1	6′			18′												2-3″ CONDUITS
1	①	27′			30′												
1	2	33′							31′								
2	②	6′							7′								
2	③	6′							7′								
2	3	63′							61′								
3	④	8′							11′								
3	⑩	7′							8′								
2	4	80′							78′								
4	⑤	6′							7′								
4	⑥	3′							4′								
4	5	49′							47′								
5	⑦	9′			12′												
4	6	62′							60′								
6	⑨	10′							11′								
6	7	38′							36′								
7	⑧	11′			14′												
SUBTOTALS					92′		(29′)		368′								
TOTALS					92′		(29′)		368′								

CABLE

FROM	TO	CENTER TO CENTER DISTANCE	POWER		CONTROL				CLOSED LOOP INTERCONNECT	LUMINAIRE		DETECTOR			CCTV CAMERA CABLE	REMARKS
			1c #8	1c #2 (2)	2c #16	5c #16	7c #16	3c #16	3 PAIR #16	CONTROL 2c #12	POLE & BRACKET 1c #10	1c #14 IN DUCT	2c #14 LEAD-IN CABLE	VIDEO CABLE (1)		
PS	∅ UPS	21′		(192′)												SOURCE TO SUPPLY
∅ UPS	☒	10′	78′													3-1C#8 CABLES
☒	①	34′					107′									SIGNAL HEAD 31
☒	①	34′					97′									SIGNAL HEAD 81
☒	①	34′					61′									SIGNAL HEAD 82
☒	①	34′												(102′)		VIDEO V-1
☒	②	46′				76′										PEDESTRIAN HEAD 64
☒	②	46′				76′										PEDESTRIAN HEAD 83
☒	②	46′			75′											PUSH BUTTON 63
☒	③	45′			74′											PUSH BUTTON 84
☒	④	111′					201′									SIGNAL HEAD 11
☒	④	111′					190′									SIGNAL HEAD 61
☒	④	111′					178′									SIGNAL HEAD 62
☒	④	111′				147′										PEDESTRIAN HEAD 63
☒	④	111′												(193′)		VIDEO V-2
☒	⑤	125′			160′											PUSH BUTTON 83
☒	⑥	124′				160′										PEDESTRIAN HEAD 23
☒	⑥	124′				160′										PEDESTRIAN HEAD 84
☒	⑥	124′			159′											PUSH BUTTON 24
☒	⑦	177′					273′									SIGNAL HEAD 51
☒	⑦	177′					261′									SIGNAL HEAD 21
☒	⑦	177′					249′									SIGNAL HEAD 22
☒	⑦	177′												(266′)		VIDEO V-3
☒	⑧	231′					337′									SIGNAL HEAD 71
☒	⑧	231′					324′									SIGNAL HEAD 41
☒	⑧	231′					282′									SIGNAL HEAD 42
☒	⑧	231′												(323′)		VIDEO V-4
☒	⑨	192′				234′										PEDESTRIAN HEAD 24
☒	⑨	192′			233′											PUSH BUTTON 23
☒	⑩	110′			145′											PUSH BUTTON 64
SUBTOTALS			78′	(192′)	846′	853′	2560′							(884′)		
5% FOR SNAKING			81′	(202′)	888′	895′	2688′							(928′)		
TOTALS			90′	(210′)	890′	900′	2690′							(930′)		

(1) NO DIRECT PAY FOR REQUIRED VIDEO DETECTOR CABLE
(2) QUANTITY SHOWN FOR INFORMATION PURPOSES. NO DIRECT PAY.

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MO ROUTE 366 WATSON ROAD/GRANT ROAD
INTERSECTION

D-37B

SHEET 58 OF 95

SIGNAL SHEET

MO ROUTE 366/
GRANT ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2322025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	360

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
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REV.

POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING✳				LIGHTING CONTROL ✳ (ON POWER SUPPLY)		SERVICE POLE	
					CONTROLLER		POWER SUPPLY DISCONNECT					
APPROACH	STATION	OFFSET	DRAWING 902.15	SPECIAL DRAWING (4)	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	MAIN BREAKER		120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
							SIGNALS	LIGHTING				
WATSON	2159+00.42	74.34'RT	Type	1	15 Amps	· Amps	100 Amps	Amps		· Amps	Ci. Ft.	AMEREN
			Type		Amps	Amps	Amps	Amps		Amps	Ci. Ft.	

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF✳ SWITCH		COORDINATION INTERFACE ✳						TIME ✳ CLOCK	NEMA CABINET TYPE ✳			170 CABINET TYPE ✳		170 SOFTWARE ✳	
							TYPE		12C/7C HARDWIRE (1)		TIME BASE	CLOSED LOOP		FIBER								
APPROACH	STATION	OFFSET	NEMA	170	NEMA	170	I	II	MASTER	LOCAL		NEMA	170			E	EV	DOUBLE	332	336S	BITRAN	WAPITI
WATSON	2159+06.99	76.93'RT	·	·	1	·											1					

NEMA DETECTOR ASSIGNMENT

		CARD POSITION							
		1	2	3	4	5	6	7	8
CHANNEL	1		SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM (3)						
	2								

TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = (2)

SIGNAL SIGNS

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
	R10-10L	24 X 30	5.0		
	R10-10R	24 X 30	5.0		
	R3-5L	30 X 36	7.5		
	R3-5R	30 X 36	7.5		
	R3-5A	30 X 36	7.5		
	R3-6L	30 X 36	7.5		
	R3-6R	30 X 36	7.5		
	R3-2	24 X 24	4.0		
	R3-1	24 X 24	4.0		
	R3-3	24 X 24	4.0		
2	D3-1 ✳✳✳	72 X 18	9.0	18.0	2
2	D3-1 ✳✳✳	60 X 18	7.5	15.0	2
	D3-2 ✳✳✳	VAR. X 18			
3	R10-3EL	9 X 15	0.9	2.7✳	3✳
3	R10-3ER	9 X 15	0.9	2.7✳	3✳
	R10-11A	24 X 30	5.0		
	R10-12	30 X 36	7.5		
	R10-13	36 X 24	6.0		
2	R10-27A	30 X 36	7.5	15.0	2
			SUBTOTAL	53.4	12
			TOTAL	48	6

DETECTOR SCHEDULE

DETECTOR NUMBER	APPROACH	TYPE				
		AUDIBLE PUSH BUTTON	INDUCTION LOOP (2)			SL DETECTION (3)
			STANDARD	DELAY/ EXTEND ✳	CALL UNIT ✳	
23	SB GRANT RD	1	·	·	·	·
24	SB GRANT RD	1				
83	EB WATSON RD	1				
84	EB WATSON RD	1				
63	NB GRANT RD	1				
64	NB GRANT RD	1				
11	EB WATSON RD					V2
61	EB WATSON RD					V2
62	EB WATSON RD					V2
71	NB GRANT RD					V4
41	NB GRANT RD					V4
51	WB WATSON RD					V3
21	WB WATSON RD					V3
22	WB WATSON RD					V3
81	SB GRANT RD					V1
31	SB GRANT RD					V1
		6				

✳ ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

✳✳✳ USE D3-1 FOR ONE LINE. USE D3-1B FOR TWO LINE.

(1) MoDOT "D" PLUG SHALL BE WIRED INTO ALL NEMA CONTROLLERS WITH 7C HARDWIRE INTERCONNECT.

(2) PAYMENT IS MADE FOR THE NUMBER OF 2-CHANNEL DETECTOR CARDS AS SHOWN BELOW THE ASSIGNMENT CHART.

(3) SEE SL DISTRICT TRAFFIC SIGNAL DETECTION JSP FOR ADDITIONAL DETAILS. SIGNAL DETECTION SHALL BE PAID AS 1 PER INTERSECTION. THE CONTRACTOR SHALL PROVIDE AND INSTALL A VEHICLE DETECTION SYSTEM FULLY COVERING DETECTION ZONES AS SHOWN ON THE PLANS. THE METHOD CHOSEN SHALL COMPLY WITH MODOT'S STANDARDS AND SPECIFICATIONS. ALL EQUIPMENT USED IN THE SYSTEM SHALL BE IN ACCORDANCE WITH MODOT'S APPROVED PRODUCT LIST AND RECEIVE COMPLETE UNIT WITH ALL COSTS INCLUDED.

(4) POWER SUPPLY SHALL BE PAD MOUNTED 120V/240V POWER SUPPLY & LIGHTING CONTROLLER WITH UNINTERRUPTIBLE POWER SUPPLY. SEE DETAILS. AT THIS LOCATION, NO 240V LIGHTING IS PRESENT, SO THE LIGHTING METER SLOT SHALL BE LEFT EMPTY.

NOTE: PAYMENT FOR PUSH BUTTON SIGNS (R10-3E) & MOUNTING HARDWARE ARE TO BE INCIDENTAL TO THE COST OF THE PUSH BUTTON

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Ø 1 EBL	Ø 2 WB	Ø 3 SBL	Ø 4 NB	Ø 5 WBL	Ø 6 EB	Ø 7 NBL	Ø 8 SB	NOT USED	OLB	NOT USED	OLD	Ø 2 PED	NOT USED	Ø 6 PED	Ø 8 PED

SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM (3)

TOTAL = 1 EACH

NETWORK CONNECTED SIGNAL MONITOR

TOTAL = 1 EACH

INSTALL MODOT FURNISHED TRAFFIC SIGNAL CONTROLLER

TOTAL = 1 EACH

COMBINATION PAD MOUNTED 120V/240V POWER SUPPLY AND LIGHTING CONTROLLER WITH UPS

TOTAL = 1 EACH

NOTE: BID PRICE FOR PAD MOUNTED POWER SUPPLY/CONTROLLER SHALL INCLUDE CABLE (#2 AWG.), RIGID STEEL CONDUIT, AND TRENCHING BETWEEN ASSEMBLY AND UTILITY COMPANY FACILITIES

MO ROUTE 366 WATSON ROAD/GRANT ROAD
INTERSECTION

D-37C

SHEET 59 OF 95

SIGNAL SHEET

MO ROUTE 366/ GRANT ROAD

DISCLAIMER EFFECTIVE 04-01-2018

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2325025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	361

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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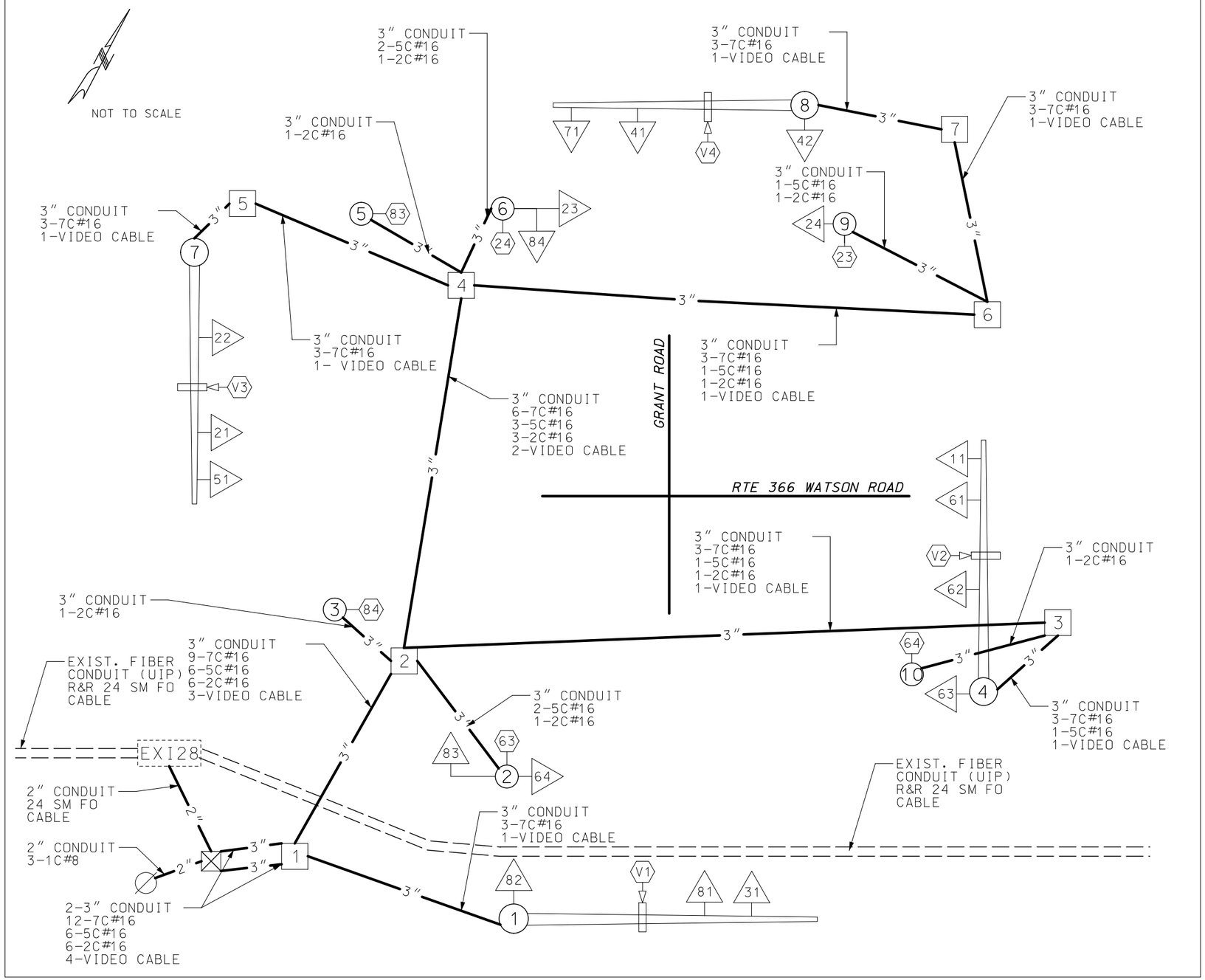
WIRING DIAGRAM



MO ROUTE 366 WATSON ROAD / GRANT ROAD

INTERSECTION

D-37D

SHEET 60 OF 95

SIGNAL SHEET

MO ROUTE 366/
GRANT ROAD

DISCLAIMER EFFECTIVE 12-01-17

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LEGEND

- 3" CONDUIT CONTAINING CABLE WITH SIZE
- CABLE
- EXISTING CONDUIT
- X-Xc MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
- LIC #14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
- PULL BOX WITH NUMBER
- POST WITH NUMBER
- POST WITH MAST ARM
- POST WITH MAST ARM AND LUMINAIRE
- DETECTOR WITH NUMBER
- SIGNAL HEAD WITH NUMBER
- SIGNAL CONTROLLER
- POWER SUPPLY
- LIGHTING CONTROLLER
- VIDEO DETECTION CAMERA
- CCTV CAMERA

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2025025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	362

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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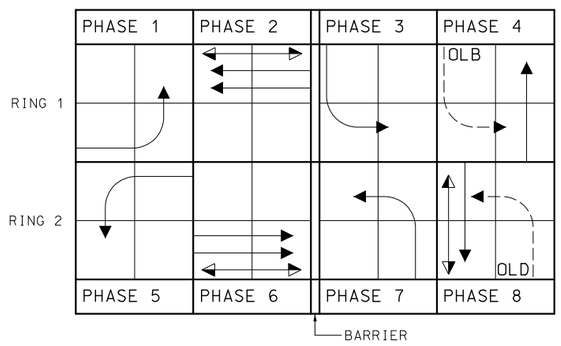
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

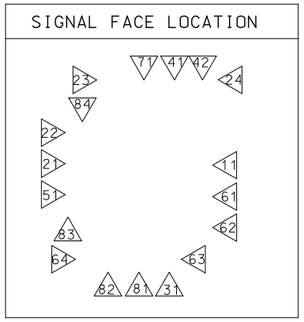
EFFECTIVE 12/01/2017

TRAFFIC PHASING AND COLOR SEQUENCE – ACTUATED CONTROLLERS

	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	OVERLAP A	OVERLAP B	OVERLAP C	OVERLAP D	PED Φ 2	PED Φ 4	PED Φ 6	PED Φ 8	
									NOT USED		NOT USED		NOT USED				
FACE NUMBERS	11	21 22	31	41 42	51	61 62	71	81 82		31		71	23 24		63 64	83 84	FACE NUMBERS
SIGNAL INDICATIONS R		R R		R R		R R		R		RL		RL	DW DW		DW DW	DW DW	R
SIGNAL INDICATIONS Y	RL	Y Y		Y Y	RL	Y Y		Y		YL		YL					Y
SIGNAL INDICATIONS FYA	YL				YL					FYL		FYL					FYA
SIGNAL INDICATIONS G	L	G G	L	G G	L	G G	L	G					W W		W W	W W	G
DETECTOR ASSIGNMENTS	11	21 22	31	41 41	51	61 62	71	81									DETECTOR ASSIGNMENTS
DETECTOR ASSIGNMENTS (PEDS. ONLY)													23 24		63 64	83 84	
OVERLAP PARENT PHASES										4		8					



RING STRUCTURE



IF CALLED, ALL NON-CONFLICTING PHASES SHALL COMBINE AND TIME CONCURRENTLY. TIME TO BE DETERMINED BY THE ENGINEER AT SIGNAL TURN ON AND SET IN THE CONTROLLER BY THE CONTRACTOR.

LEGEND

- ACTUATED VEHICULAR MOVEMENT
- PARTIALLY RESTRICTED ACTUATED VEHICULAR MOVEMENT
- NON-ACTUATED VEHICULAR MOVEMENT
- PARTIALLY RESTRICTED NON-ACTUATED VEHICULAR MOVEMENT
- ACTUATED PEDESTRIAN MOVEMENT
- NON-ACTUATED PEDESTRIAN MOVEMENT
- VEHICLE STOPPED
- FDW — FLASHING DON'T WALK
- W — WALK
- DW — DON'T WALK
- R/W — RIGHT OF WAY INTERVAL
- YR† — YELLOW RIGHT ARROW
- RT. — GREEN RIGHT ARROW
- LY –YL — YELLOW LEFT ARROW
- L — GREEN LEFT ARROW
- S — GREEN STRAIGHT AHEAD ARROW
- G — CIRCULAR GREEN
- Y — CIRCULAR YELLOW
- R — CIRCULAR RED
- RL — RED LEFT ARROW
- Ø — TRAFFIC PHASE
- AO — ALL OTHERS
- FR — FLASHING RED
- FY — FLASHING CIRCULAR YELLOW
- FYL — FLASHING YELLOW LEFT ARROW

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FLASHING OPERATION	
ALL	FR

CONTROLLER TYPE	NEMA 8Φ

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF MO ROUTE 366 WATSON ROAD

WITH GRANT ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED: 7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	363

COUNTY: ST. LOUIS

JOB NO.: J6S3582

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.:

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

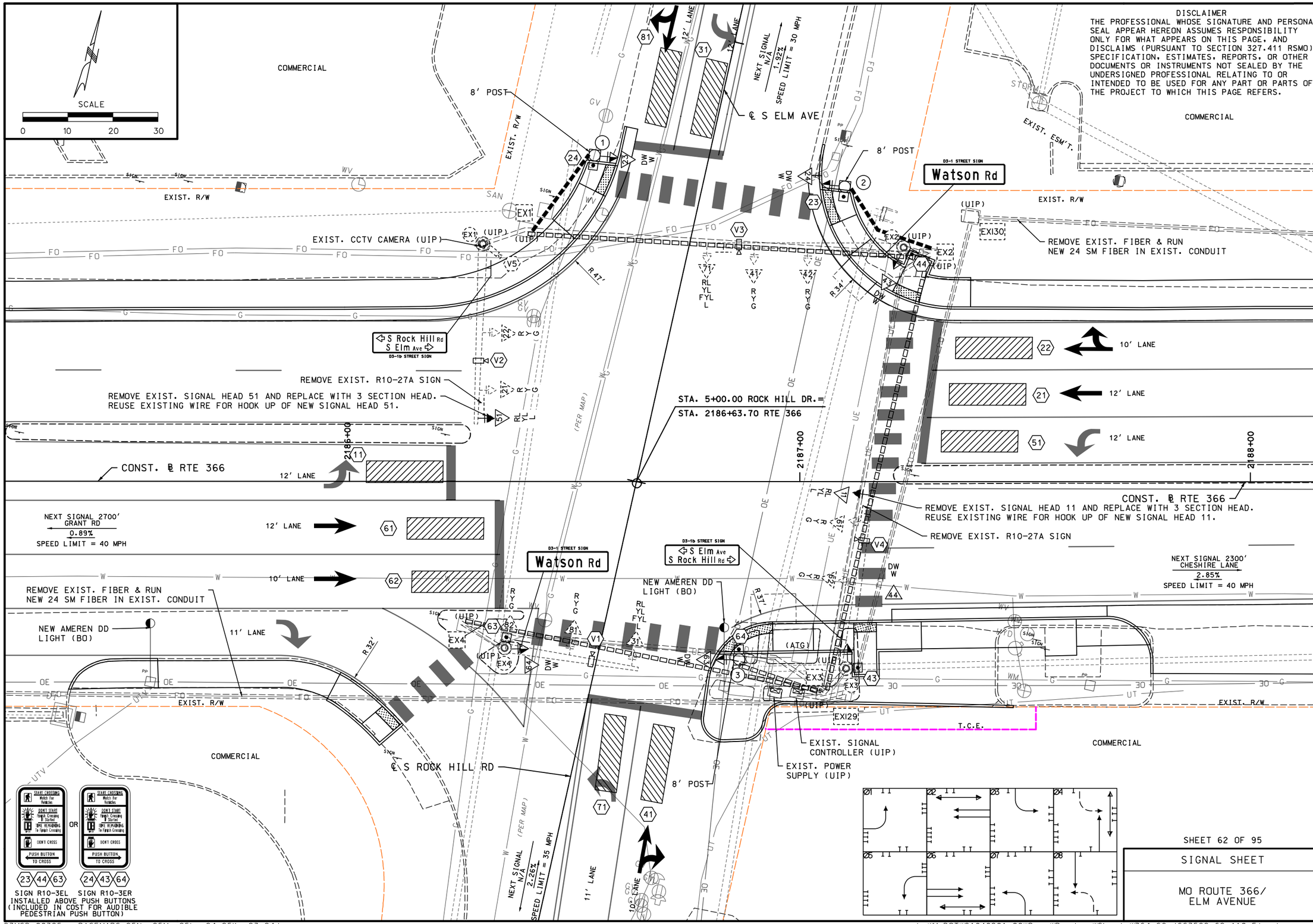
REV.

SHEET 61 OF 95

SIGNAL SHEET

MO ROUTE 366/
GRANT ROAD

D-38A



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CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED	7/25/2024
MO ROUTE	366
STATE	MO
DISTRICT	SL
SHEET NO.	364
COUNTY	ST. LOUIS
JOB NO.	J6S3582
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

DATE

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MoDOT
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JEFFERSON CITY, MO 65102
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SHEET 62 OF 95

SIGNAL SHEET

MO ROUTE 366/
ELM AVENUE

REV.

LOCATION / BASE / PULL BOX / POST

| POST NUMBER | PULL BOX NUMBER | APPROACH | STATION | OFFSET | BASE A (9 / 9.5 / 10 / 10.5 / 11 / 12) | BASE F (9 / 9.5 / 10 / 10.5 / 11 / 12) | BASE C | CONCRETE** (CU. YDS.) | PULL BOX PREFORMED CLASS 1 | CLASS 2 | CLASS 3 | CLASS 5 | CONCRETE STANDARD | CONCRETE DOUBLE, TYPE A | CONCRETE DOUBLE, TYPE B | ADJUST TO GRADE | DRAIN TYPE* I | DRAIN TYPE* II A | DRAIN TYPE* II B | DRAIN TYPE* II C | POST 4 FT. PED POST | POST 8 FT. TOP MOUNT POST | POST 15 FT. TOP MOUNT POST | TYPE C & CL ARM LENGTH A | A | A | A | SIGNAL SPACING B | C | D | D' | SIGN SPACING B | C | D | D' | TYPE B & BL ARM LENGTH E | K | E | K | E | K | LEFT ARM E SIGNAL SPACING F | G | H | H' | SIGN SPACING F | G | H | H' | RIGHT ARM K SIGNAL SPACING L | M | N | N' | SIGN SPACING L | M | N | N' | INCLUDED ANGLE | LUMINAIRE BRACKET ARM** 4 FT. | 6 FT. | 8 FT. | 10 FT. | 12 FT. | 15 FT. |
|---|---|---

EFFECTIVE: 10-01-2015

CONDUIT (WITH #14 TRACER WIRE)

FROM	TO	CENTER TO CENTER DISTANCE	LOOP DET.	TRENCH				PUSHED			MEDIAN			ON STRUCTURE			REMARKS
			1″	2″	3″	4″		2″	3″	4″	2″	3″	4″	2″	3″		
EX1	1	23′			24′												
EX1	EX2	90′							88′								
EX2	2	27′			25′												
EX2	EX3	101′							99′								
EX3	3	21′							22′								
EX3	EX4	82′							80′								
SUBTOTALS					49′				289′								
TOTALS					49′				289′								

CABLE

FROM	TO	CENTER TO CENTER DISTANCE	POWER		CONTROL				CLOSED LOOP INTERCONNECT	LUMINAIRE		DETECTOR			CCTV CAMERA CABLE	REMARKS
			1c #8		2c #16	5c #16	7c #16	3c #16	3 PAIR #16	CONTROL 2c #12	POLE & BRACKET 1c #10	1c #14 IN DUCT	2c #14 LEAD-IN CABLE	VIDEO CABLE (1)		
	1	219′				255′										PEDESTRIAN HEAD 23
	1	219′			254′											PUSH BUTTON 24
	2	132′				162′										PEDESTRIAN HEAD 24
	2	132′			161′											PUSH BUTTON 23
	3	27′				51′										PEDESTRIAN HEAD 63
	3	27′			50′											PUSH BUTTON 64
	EX1	207′												(288′)		VIDEO V-2
	EX2	111′				141′										PEDESTRIAN HEAD 43
	EX2	111′			140′											PUSH BUTTON 44
	EX2	111′												(196′)		VIDEO V-3
	EX3	14′				38′										PEDESTRIAN HEAD 44
	EX3	14′			37′											PUSH BUTTON 43
	EX3	14′												(86′)		VIDEO V-4
	EX4	99′				129′										PEDESTRIAN HEAD 64
	EX4	99′			128′											PUSH BUTTON 63
	EX4	99′												(169′)		VIDEO V-1
SUBTOTALS					770′	776′								(739′)		
5% FOR SNAKING					808′	814′								(775′)		
TOTALS					810′	820′								(780′)		

(1) NO DIRECT PAY FOR REQUIRED VIDEO DETECTOR CABLE

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MO ROUTE 366 WATSON ROAD/ELM AVENUE
INTERSECTION

D-37B

SHEET 64 OF 95

SIGNAL SHEET

MO ROUTE 366/
ELM AVENUE

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2025025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED: 7/25/2024
MO ROUTE: 366
STATE: MO
DISTRICT: SL
SHEET NO.: 366
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
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REV.

POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING✳				LIGHTING CONTROL ✳ (ON POWER SUPPLY)		SERVICE POLE	
					CONTROLLER		POWER SUPPLY DISCONNECT					
APPROACH	STATION	OFFSET	DRAWING 902.15	SPECIAL DRAWING (4)	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	MAIN BREAKER		120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
							SIGNALS	LIGHTING				
USE EXISTING	2186+94.47	46.58'RT	Type		15 Amps	· Amps	100 Amps	Amps		· Amps	Ct. Ft.	AMEREN
·			Type		· Amps	· Amps	· Amps	Amps		· Amps	Ct. Ft.	

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF✳ SWITCH		COORDINATION INTERFACE ✳						TIME ✳ CLOCK	NEMA CABINET TYPE ✳			170 CABINET TYPE ✳		170 SOFTWARE ✳	
							TYPE		12C/7C HARDWIRE (1)		TIME BASE	CLOSED LOOP		FIBER								
APPROACH	STATION	OFFSET	NEMA	170	NEMA	170	I	II	MASTER	LOCAL		NEMA	170			E	EV	DOUBLE	332	336S	BITRAN	WAPITI
USE EXISTING	2186+99.41	47.07'RT	·	·	·	·					·	·	·	·	·							
·	·	·	·	·	·	·					·	·	·	·	·							
·	·	·	·	·	·	·					·	·	·	·	·							
·	·	·	·	·	·	·					·	·	·	·	·							

NEMA DETECTOR ASSIGNMENT

		CARD POSITION							
		1	2	3	4	5	6	7	8
CHANNEL	1		SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM (3)						
	2								

TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = (2)

SIGNAL SIGNS

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
	R10-10L	24 X 30	5.0		
	R10-10R	24 X 30	5.0		
	R3-5L	30 X 36	7.5		
	R3-5R	30 X 36	7.5		
	R3-5A	30 X 36	7.5		
	R3-6L	30 X 36	7.5		
	R3-6R	30 X 36	7.5		
	R3-2	24 X 24	4.0		
	R3-1	24 X 24	4.0		
	R3-3	24 X 24	4.0		
2	D3-1 ✳✳✳	72 X 18	9.0	18.0	2
2	D3-1B ✳✳✳	66 X 18	8.25	16.5	2
3	R10-3EL	9 X 15	0.9	2.1✳	3✳
3	R10-3ER	9 X 15	0.9	2.1✳	3✳
	R10-11A	24 X 30	5.0		
	R10-12	30 X 36	7.5		
	R10-13	36 X 24	6.0		
	R10-27A	30 X 36	7.5		
			SUBTOTAL	38.7	10
			TOTAL	35	4

NOTE: PAYMENT FOR PUSH BUTTON SIGNS (R10-3E) & MOUNTING HARDWARE ARE TO BE INCIDENTAL TO THE COST OF THE PUSH BUTTON

DETECTOR SCHEDULE

DETECTOR NUMBER	APPROACH	TYPE				
		AUDIBLE PUSH BUTTON	INDUCTION LOOP (2)			SL DETECTION (3)
			STANDARD	DELAY/ EXTEND ✳	CALL UNIT ✳	
23	SB ELM AVE	1	·	·	·	·
24	SB ELM AVE	1				
43	WB WATSON RD	1				
44	WB WATSON RD	1				
63	NB ELM AVE	1				
64	NB ELM AVE	1				
11	EB WATSON RD					V4
61	EB WATSON RD					V4
62	EB WATSON RD					V4
41	NB ELM AVE					V3
71	NB ELM AVE					V3
51	WB WATSON RD					V2
21	WB WATSON RD					V2
22	WB WATSON RD					V2
31	SB ELM AVE					V1
81	SB ELM AVE					V1
		6				

✳ ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

✳✳✳ USE D3-1 FOR ONE LINE. USE D3-1B FOR TWO LINE.

(1) MoDOT "D" PLUG SHALL BE WIRED INTO ALL NEMA CONTROLLERS WITH 7C HARDWIRE INTERCONNECT.

(2) PAYMENT IS MADE FOR THE NUMBER OF 2-CHANNEL DETECTOR CARDS AS SHOWN BELOW THE ASSIGNMENT CHART.

(3) SEE SL DISTRICT TRAFFIC SIGNAL DETECTION JSP FOR ADDITIONAL DETAILS. SIGNAL DETECTION SHALL BE PAID AS 1 PER INTERSECTION. THE CONTRACTOR SHALL PROVIDE AND INSTALL A VEHICLE DETECTION SYSTEM FULLY COVERING DETECTION ZONES AS SHOWN ON THE PLANS. THE METHOD CHOSEN SHALL COMPLY WITH MODOT'S STANDARDS AND SPECIFICATIONS. ALL EQUIPMENT USED IN THE SYSTEM SHALL BE IN ACCORDANCE WITH MODOT'S APPROVED PRODUCT LIST AND RECEIVE COMPLETE UNIT WITH ALL COSTS INCLUDED.

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Ø 1 EBL	Ø 2 WB	Ø 3 SBL	Ø 4 NB	Ø 5 WBL	Ø 6 EB	Ø 3 NBL	Ø 8 SB	NOT USED	OLB SBL	NOT USED	OLD NBL	Ø 2 PED	Ø 4 PED	Ø 6 PED	NOT USED

SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM (3)	INSTALL MODOT FURNISHED TRAFFIC SIGNAL CONTROLLER	NETWORK CONNECTED SIGNAL MONITOR
TOTAL = 1 EACH	TOTAL = 1 EACH	TOTAL = 1 EACH

MO ROUTE 366 WATSON ROAD/ELM AVENUE
INTERSECTION

D-37C

SHEET 65 OF 95

SIGNAL SHEET

MO ROUTE 366/ ELM AVENUE

DISCLAIMER EFFECTIVE 04-01-2018

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2325025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	367

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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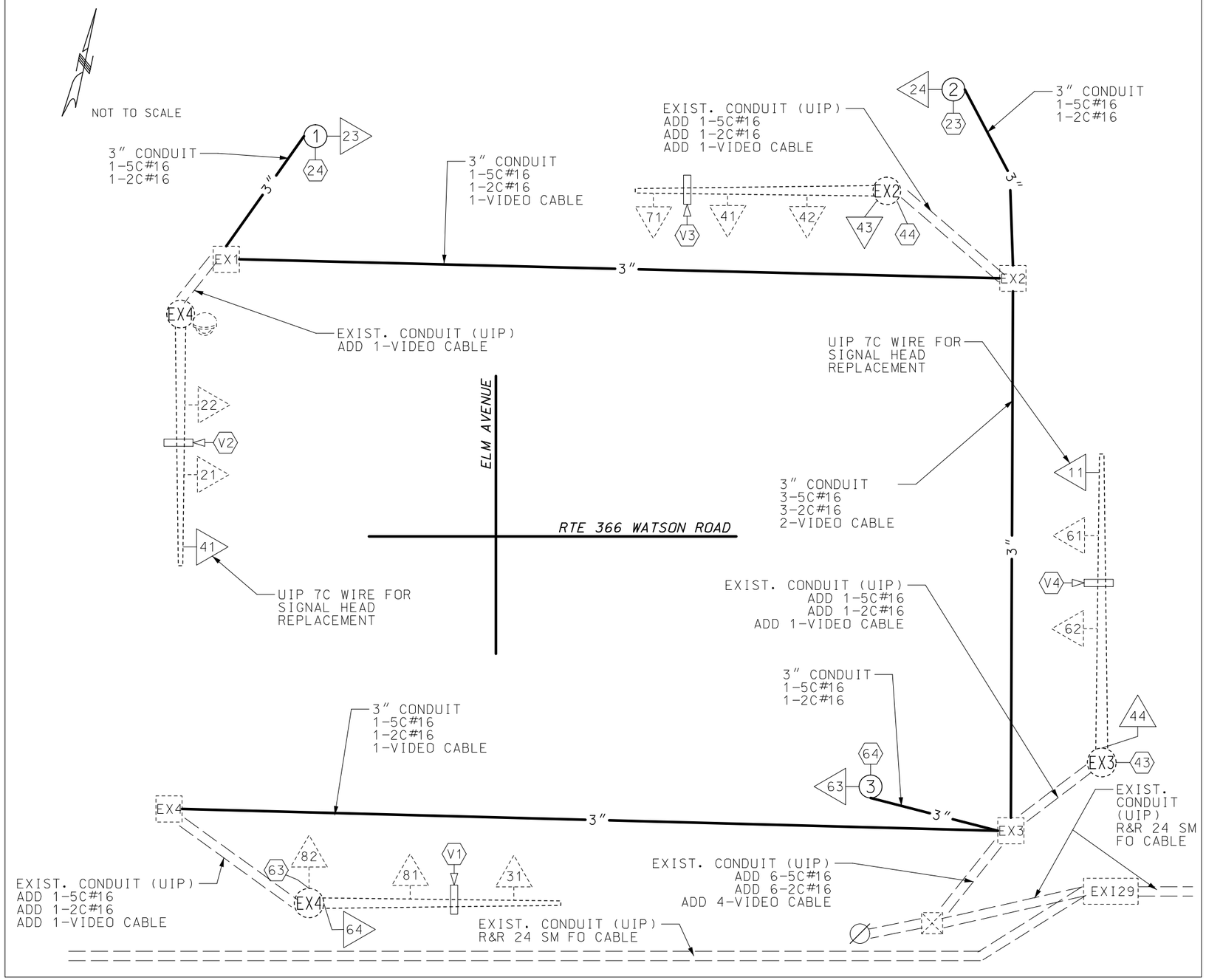
WIRING DIAGRAM



LEGEND

3"	CONDUIT CONTAINING CABLE WITH SIZE
	CABLE
	EXISTING CONDUIT
X-Xc	MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
LIC	#14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
X	PULL BOX WITH NUMBER
X	POST WITH NUMBER
X	POST WITH MAST ARM
X	POST WITH MAST ARM AND LUMINAIRE
X	DETECTOR WITH NUMBER
X	SIGNAL HEAD WITH NUMBER
	SIGNAL CONTROLLER
	POWER SUPPLY
	LIGHTING CONTROLLER
	VIDEO DETECTION CAMERA
	CCTV CAMERA

DISCLAIMER EFFECTIVE 12-01-17

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366	MO
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SL	368

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REV.

SHEET 66 OF 95

SIGNAL SHEET

MO ROUTE 366/
ELM AVENUE

MO ROUTE 366 WATSON ROAD / ELM AVENUE

INTERSECTION

D-37D

EFFECTIVE 12/01/2017

TRAFFIC PHASING AND COLOR SEQUENCE – ACTUATED CONTROLLERS

	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	OVERLAP A	OVERLAP B	OVERLAP C	OVERLAP D	PED Φ 2	PED Φ 4	PED Φ 6	PED Φ 8	
									NOT USED		NOT USED					NOT USED	
FACE NUMBERS	11	21 22	31	41 42	51	61 62	71	81 82		31		71	23 24	43 44	63 64		FACE NUMBERS
SIGNAL INDICATIONS R		R R		R R		R R		R R		RL		RL	DW DW	DW DW	DW DW		R
SIGNAL INDICATIONS Y		Y Y		Y Y		Y Y		Y Y		YL		YL					Y
SIGNAL INDICATIONS FYA										FYL		FYL					FYA
SIGNAL INDICATIONS G	L	G G	L	G G	L	G G	L	G G					W W	W W	W W		G
DETECTOR ASSIGNMENTS	11	21 22	31	41 41	51	61 62	72	81 81									DETECTOR ASSIGNMENTS
DETECTOR ASSIGNMENTS (PEDS. ONLY)													23 24	43 44	63 64		
OVERLAP PARENT PHASES										4		8					

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			OLB
			OLD
PHASE 5	PHASE 6	PHASE 7	PHASE 8

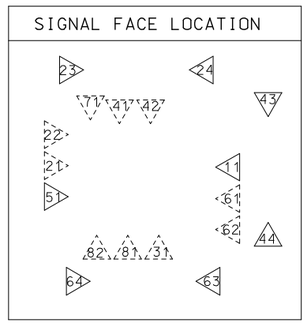
RING 1

RING 2

BARRIER

RING STRUCTURE

SIGNAL FACE LOCATION



IF CALLED, ALL NON-CONFLICTING PHASES SHALL COMBINE AND TIME CONCURRENTLY. TIME TO BE DETERMINED BY THE ENGINEER AT SIGNAL TURN ON AND SET IN THE CONTROLLER BY THE CONTRACTOR.

LEGEND

- ACTUATED VEHICULAR MOVEMENT
- PARTIALLY RESTRICTED ACTUATED VEHICULAR MOVEMENT
- NON-ACTUATED VEHICULAR MOVEMENT
- PARTIALLY RESTRICTED NON-ACTUATED VEHICULAR MOVEMENT
- ACTUATED PEDESTRIAN MOVEMENT
- NON-ACTUATED PEDESTRIAN MOVEMENT
- VEHICLE STOPPED
- FDW — FLASHING DON'T WALK
- W — WALK
- DW — DON'T WALK
- R/W — RIGHT OF WAY INTERVAL
- YR† — YELLOW RIGHT ARROW
- RT. — GREEN RIGHT ARROW
- LY –YL — YELLOW LEFT ARROW
- L — GREEN LEFT ARROW
- S — GREEN STRAIGHT AHEAD ARROW
- G — CIRCULAR GREEN
- Y — CIRCULAR YELLOW
- R — CIRCULAR RED
- RL — RED LEFT ARROW
- Ø — TRAFFIC PHASE
- AO — ALL OTHERS
- FR — FLASHING RED
- FY — FLASHING CIRCULAR YELLOW
- FYL — FLASHING YELLOW LEFT ARROW

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FLASHING OPERATION	
ALL	FR
CONTROLLER TYPE	NEMA 8Ø

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF MO ROUTE 366 WATSON ROAD

WITH ELM AVENUE

SHEET 67 OF 95

SIGNAL SHEET

MO ROUTE 366/
ELM AVENUE

D-38A

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	369

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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REV.

SCALE
0 10 20 30

RESIDENTIAL

REMOVE EXIST. FIBER & RUN
NEW 24 SM FIBER IN EXIST. CONDUIT

EXIST. AMEREN LIGHT (UIP)

T.C.E.

EXIST. R/W

EXIST. ESM'T.

EXIST. R/W

8' POST

ONLY
R3-5L

LEFT TURN YIELD ON FLASHING ARROW
R10-27A

11' LANE

SPEED LIMIT = 25 MPH

NEXT SIGNAL N/A

2.67%

D3-1 STREET SIGN
Watson Rd

35' MASK ARM

8' POST

RESIDENTIAL

REMOVE EXIST. FIBER & RUN
NEW 24 SM FIBER IN EXIST. CONDUIT

EXIST. ESM'T.

8' POST

EXIST. R/W

D3-1 STREET SIGN
Cheshire Ln

45' MASK ARM

STA. 5+00.00 CHESHIRE LN.=
STA. 2209+67.32 RTE 366

2210+00

2211+00

12' LANE

12' LANE

13' LANE

CONST. ℄ RTE 366

NEXT SIGNAL 2300'
ELM AVE
1.15%
SPEED LIMIT = 40 MPH

12' LANE

12' LANE

EXIST. POWER SOURCE (UIP)

EXIST. ENCLOSED POWER SUPPLY (UIP)

EXIST. ITS PB (ATG)

PAD MOUNTED SIGNAL UPS AND LIGHTING CONTROLLER (USE EXIST. PS FOR METER)

PROP. SIGNAL CONTROLLER

EXIST. SIGNAL CONTROLLER (R)

P.H.E.

EXIST. PB (R)

8' POST

T.C.E.

D3-1 STREET SIGN
Watson Rd

35' MASK ARM

SPEED LIMIT = 25 MPH

NEXT SIGNAL N/A

1.70%

11' LANE

12' LANE

ONLY
R3-5L

LEFT TURN YIELD ON FLASHING ARROW
R10-27A

50' MASK ARM

NEXT SIGNAL 3325'
LACLEDE STATION ROAD
1.26%
SPEED LIMIT = 40 MPH

8' POST

EXIST. R/W

EXIST. AMEREN LIGHT (UIP)

T.C.E.

D3-1 STREET SIGN
Cheshire Ln

PROP. CCTV CAMERA

COMMERCIAL

COMMERCIAL

START CROSSING Watch For Vehicles
DON'T START Finish Crossing If Started
TIME REMAINING To Finish Crossing
DON'T CROSS
PUSH BUTTON TO CROSS
OR
23 63 43

SIGN R10-3EL INSTALLED ABOVE PUSH BUTTONS (INCLUDED IN COST FOR AUDIBLE PEDESTRIAN PUSH BUTTON)

SIGN R10-3ER
24 64 44

Ø1 Ø2 Ø3 Ø4 Ø5 Ø6 Ø7 Ø8

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	370

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

REV.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
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ENGINEERING CORPORATION - 000631

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SHEET 68 OF 95

SIGNAL SHEET

RTE ROUTE 366/
CHESHIRE LANE

| POST NUMBER | PULL BOX NUMBER | LOCATION APPROACH | LOCATION STATION | LOCATION OFFSET | BASE A 9 | BASE A 9.5 | BASE A 10 | BASE A 10.5 | BASE A 11 | BASE A 12 | BASE F 9 | BASE F 9.5 | BASE F 10 | BASE F 10.5 | BASE F 11 | BASE F 12 | BASE C | BASE CONCRETE** (CU. YDS.) | PULL BOX PREFORMED CLASS 1 | PULL BOX PREFORMED CLASS 2 | PULL BOX PREFORMED CLASS 3 | PULL BOX PREFORMED CLASS 5 | PULL BOX CONCRETE STANDARD | PULL BOX CONCRETE DOUBLE, TYPE A | PULL BOX CONCRETE DOUBLE, TYPE B | PULL BOX ADJUST TO GRADE | PULL BOX DRAIN TYPE* I | PULL BOX DRAIN TYPE* II A | PULL BOX DRAIN TYPE* II B | PULL BOX DRAIN TYPE* II C | POST 4 FT. PED POST | POST TOP MOUNT POST 8 FT. | POST TOP MOUNT POST 15 FT. | TYPE C & CL ARM LENGTH A | TYPE C & CL ARM LENGTH A | TYPE C & CL ARM LENGTH A | TYPE C & CL ARM LENGTH A | TYPE C & CL SIGNAL SPACING B | TYPE C & CL SIGNAL SPACING C | TYPE C & CL SIGNAL SPACING D | TYPE C & CL SIGNAL SPACING D′ | TYPE C & CL SIGN SPACING B | TYPE C & CL SIGN SPACING C | TYPE C & CL SIGN SPACING D | TYPE C & CL SIGN SPACING D′ | TYPE B & BL ARM LENGTH E | TYPE B & BL ARM LENGTH K | TYPE B & BL ARM LENGTH E | TYPE B & BL ARM LENGTH K | TYPE B & BL LEFT ARM E SIGNAL SPACING F | TYPE B & BL LEFT ARM E SIGNAL SPACING G | TYPE B & BL LEFT ARM E SIGNAL SPACING H | TYPE B & BL LEFT ARM E SIGNAL SPACING H′ | TYPE B & BL LEFT ARM E SIGN SPACING F | TYPE B & BL LEFT ARM E SIGN SPACING G | TYPE B & BL LEFT ARM E SIGN SPACING H | TYPE B & BL LEFT ARM E SIGN SPACING H′ | TYPE B & BL RIGHT ARM K SIGNAL SPACING L | TYPE B & BL RIGHT ARM K SIGNAL SPACING M | TYPE B & BL RIGHT ARM K SIGNAL SPACING N | TYPE B & BL RIGHT ARM K SIGNAL SPACING N′ | TYPE B & BL RIGHT ARM K SIGN SPACING L | TYPE B & BL RIGHT ARM K SIGN SPACING M | TYPE B & BL RIGHT ARM K SIGN SPACING N | TYPE B & BL RIGHT ARM K SIGN SPACING N′ | INCLUDED ANGLE | LUMINAIRE BRACKET ARM** 4 FT. | LUMINAIRE BRACKET ARM** 6 FT. | LUMINAIRE BRACKET ARM** 8 FT. | LUMINAIRE BRACKET ARM** 10 FT. | LUMINAIRE BRACKET ARM** 12 FT. | LUMINAIRE BRACKET ARM** 15 FT. |
|---|---|---

EFFECTIVE: 10-01-2015

CONDUIT (WITH #14 TRACER WIRE)

FROM	TO	CENTER TO CENTER DISTANCE	LOOP DET.	TRENCH				PUSHED			MEDIAN			ON STRUCTURE			REMARKS
			1″	2″	3″	4″		2″	3″	4″	2″	3″	4″	2″	3″		
∅	∅UPS	46′			54′												
∅UPS	☒	7′			15′												
∅UPS	1	18′			21′												
☒	1	9′			24′												2-3″ CONDUITS
1	①	60′			63′												
1	②	47′			48′												
1	2	52′			51′												
1	2	60′						59′									
2	③	13′						16′									
2	④	42′						43′									
1	3	98′						96′									
3	⑤	9′			12′												
3	⑥	39′			40′												
3	4	98′						96′									
4	⑦	11′			12′												
4	⑧	16′			19′												
4	⑨	26′			27′												
SUBTOTALS					386′				310′								
TOTALS					386′				310′								

CABLE

FROM	TO	CENTER TO CENTER DISTANCE	POWER	CONTROL				CLOSED LOOP INTERCONNECT	LUMINAIRE		DETECTOR			CCTV CAMERA CABLE	REMARKS
			1c #8	2c #16	5c #16	7c #16	3c #16	3 PAIR #16	CONTROL 2c #12	POLE & BRACKET 1c #10	1c #14 IN DUCT	2c #14 LEAD-IN CABLE	VIDEO CABLE (1)		
∅	∅UPS	46′	186′												3-1C#8 CABLES
∅UPS	☒	7′	69′												3-1C#8 CABLES
☒	1	69′				138′									SIGNAL HEAD 31
☒	1	69′				128′									SIGNAL HEAD 81
☒	1	69′				96′									SIGNAL HEAD 82
☒	1	69′											(124′)		VIDEO V-1
☒	②	56′			80′										PEDESTRIAN HEAD 64
☒	②	56′		79′											PUSH BUTTON 63
☒	③	134′				222′									SIGNAL HEAD 11
☒	③	134′				210′									SIGNAL HEAD 61
☒	③	134′				198′									SIGNAL HEAD 62
☒	③	134′			164′										PEDESTRIAN HEAD 63
☒	③	134′		163′											PUSH BUTTON 64
☒	③	134′											(212′)		VIDEO V-4
☒	③	134′												184′	CCTV
☒	④	164′			194′										PEDESTRIAN HEAD 44
☒	④	164′		193′											PUSH BUTTON 43
☒	⑤	116′				200′									SIGNAL HEAD 51
☒	⑤	116′				190′									SIGNAL HEAD 21
☒	⑤	116′				178′									SIGNAL HEAD 22
☒	⑤	116′											(196′)		VIDEO V-2
☒	⑥	146′			176′										PEDESTRIAN HEAD 23
☒	⑥	146′		175′											PUSH BUTTON 24
☒	⑦	215′			251′										PEDESTRIAN HEAD 24
☒	⑦	215′		250′											PUSH BUTTON 23
☒	⑧	221′				301′									SIGNAL HEAD 71
☒	⑧	221′				289′									SIGNAL HEAD 41
☒	⑧	221′				260′									SIGNAL HEAD 42
☒	⑧	221′											(293′)		VIDEO V-3
☒	⑨	231′			267′										PEDESTRIAN HEAD 64
☒	⑨	231′		266′											PUSH BUTTON 63
∅UPS	①	78′							29′	186′					LUMINAIRE
∅UPS	⑧	229′							237′	98′					LUMINAIRE
SUBTOTALS			255′	1126′	1132′	2410′			266′	284′			(825′)	184′	
5% FOR SNAKING			268′	1182′	1188′	2530′			279′	298′			(866′)	193′	
TOTALS			270′	1190′	1190′	2530′			280′	300′			(870′)	200′	

(1) NO DIRECT PAY FOR REQUIRED VIDEO DETECTOR CABLE

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MO ROUTE 366 WATSON ROAD/CHESHIRE LANE
INTERSECTION

D-37B

SHEET 70 OF 95

SIGNAL SHEET

MO ROUTE 366/
CHESHIRE LANE

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2325025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	372

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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REV.

POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING✳				LIGHTING CONTROL ✳ (ON POWER SUPPLY)		SERVICE POLE	
					CONTROLLER		POWER SUPPLY DISCONNECT					
APPROACH	STATION	OFFSET	DRAWING 902.15	SPECIAL DRAWING (4)	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	MAIN BREAKER		120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
							SIGNALS	LIGHTING				
RTE 366	2208+70.80	46.47'RT	Type	1	15 Amps	· Amps	100 Amps	Amps		· Amps	Ct. Ft.	AMEREN
·	·	·	Type	·	· Amps	· Amps	· Amps	· Amps	·	· Amps	Ct. Ft.	·

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CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF✳ SWITCH		COORDINATION INTERFACE ✳						TIME ✳ CLOCK	NEMA CABINET TYPE ✳			170 CABINET TYPE ✳		170 SOFTWARE ✳	
							TYPE		12C/7C HARDWIRE (1)		TIME BASE	CLOSED LOOP		FIBER								
APPROACH	STATION	OFFSET	NEMA	170	NEMA	170	I	II	MASTER	LOCAL		NEMA	170			E	EV	DOUBLE	332	336S	BITRAN	WAPITI
RTE 366	2208+77.88	46.26'RT	·	·	1	·											1					
·	·	·	·	·	·	·																
·	·	·	·	·	·	·																
·	·	·	·	·	·	·																

NEMA DETECTOR ASSIGNMENT

		CARD POSITION							
		1	2	3	4	5	6	7	8
CHANNEL	1		SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM (3)						
	2								

TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = (2)

SIGNAL SIGNS

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
	R10-10L	24 X 30	5.0		
	R10-10R	24 X 30	5.0		
2	R3-5L	30 X 36	7.5	15.0	2
	R3-5R	30 X 36	7.5		
	R3-5A	30 X 36	7.5		
	R3-6L	30 X 36	7.5		
	R3-6R	30 X 36	7.5		
	R3-2	24 X 24	4.0		
	R3-1	24 X 24	4.0		
	R3-3	24 X 24	4.0		
2	D3-1 ✳✳✳	72 X 18	9.0	18.0	2
2	D3-1 ✳✳✳	78 X 18	9.75	19.5	2
	D3-2 ✳✳✳	VAR. X 18			
3	R10-3EL	9 X 15	0.9	2.1✳	3✳
3	R10-3ER	9 X 15	0.9	2.1✳	3✳
	R10-11A	24 X 30	5.0		
	R10-12	30 X 36	7.5		
	R10-13	36 X 24	6.0		
4	R10-27A	30 X 36	7.5	30	4
			SUBTOTAL	86.7	16
			TOTAL	83	10

DETECTOR SCHEDULE

DETECTOR NUMBER	APPROACH	TYPE				
		AUDIBLE PUSH BUTTON	INDUCTION LOOP (2)			SL DETECTION (3)
			STANDARD	DELAY/ EXTEND ✳	CALL UNIT ✳	
23	SB CHESHIRE LN	1				
24	SB CHESHIRE LN	1				
43	EB WATSON RD	1				
44	EB WATSON RD	1				
63	NB CHESHIRE LN	1				
64	NB CHESHIRE LN	1				
11	EB WATSON RD					V2
61	EB WATSON RD					V2
62	EB WATSON RD					V2
71	NB CHESHIRE LN					V3
41	NB CHESHIRE LN					V3
51	WB WATSON RD					V4
21	WB WATSON RD					V4
22	WB WATSON RD					V4
81	SB CHESHIRE LN					V1
31	SB CHESHIRE LN					V1
		6				

✳ ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

✳✳✳ USE D3-1 FOR ONE LINE. USE D3-1B FOR TWO LINE.

(1) MoDOT "D" PLUG SHALL BE WIRED INTO ALL NEMA CONTROLLERS WITH 7C HARDWIRE INTERCONNECT.

(2) PAYMENT IS MADE FOR THE NUMBER OF 2-CHANNEL DETECTOR CARDS AS SHOWN BELOW THE ASSIGNMENT CHART.

(3) SEE SL DISTRICT TRAFFIC SIGNAL DETECTION JSP FOR ADDITIONAL DETAILS. SIGNAL DETECTION SHALL BE PAID AS 1 PER INTERSECTION. THE CONTRACTOR SHALL PROVIDE AND INSTALL A VEHICLE DETECTION SYSTEM FULLY COVERING DETECTION ZONES AS SHOWN ON THE PLANS. THE METHOD CHOSEN SHALL COMPLY WITH MODOT'S STANDARDS AND SPECIFICATIONS. ALL EQUIPMENT USED IN THE SYSTEM SHALL BE IN ACCORDANCE WITH MODOT'S APPROVED PRODUCT LIST AND RECEIVE COMPLETE UNIT WITH ALL COSTS INCLUDED.

(4) EXISTING ENCLOSED POWER SUPPLY SHALL BE USED IN PLACE. PAD MOUNTED 120V/240V SIGNAL POWER SUPPLY AND LIGHTING CONTROLLER WITH UPS WILL BE USED AS A STANDALONE UPS AND 120V LIGHTING CONTROLLER:
120V AND 240V METER SLOTS SHALL BE LEFT EMPTY.

NOTE: PAYMENT FOR PUSH BUTTON SIGNS (R10-3E) & MOUNTING HARDWARE ARE TO BE INCIDENTAL TO THE COST OF THE PUSH BUTTON

SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM (3)
TOTAL = 1 EACH

NETWORK CONNECTED SIGNAL MONITOR
TOTAL = 1 EACH

CCTV CAMERA ASSEMBLY
TOTAL = 1 EACH

INSTALL CCTV CAMERA ASSEMBLY
TOTAL = 1 EACH

CCTV EXTENSION POLE, 20' METALLIC FINISH
TOTAL = 1 EACH

INSTALL MODOT FURNISHED TRAFFIC SIGNAL CONTROLLER
TOTAL = 1 EACH

COMBINATION PAD MOUNTED 120V/240V POWER SUPPLY AND LIGHTING CONTROLLER WITH UPS
TOTAL = 1 EACH

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Ø 1 EBL	Ø 2 WB	Ø 2 SBL	Ø 4 NB	Ø 5 WBL	Ø 6 EB	Ø 7 NBL	Ø 8 SB	OLA	OLB	OLC	OLD	Ø 2 PED	Ø 4 PED	Ø 6 PED	NOT USED

MO ROUTE 366 WATSON ROAD/CHESHIRE LANE
INTERSECTION

D-37C

SHEET 71 OF 95

SIGNAL SHEET

MO ROUTE 366/ CHESHIRE LANE

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED 7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	373

COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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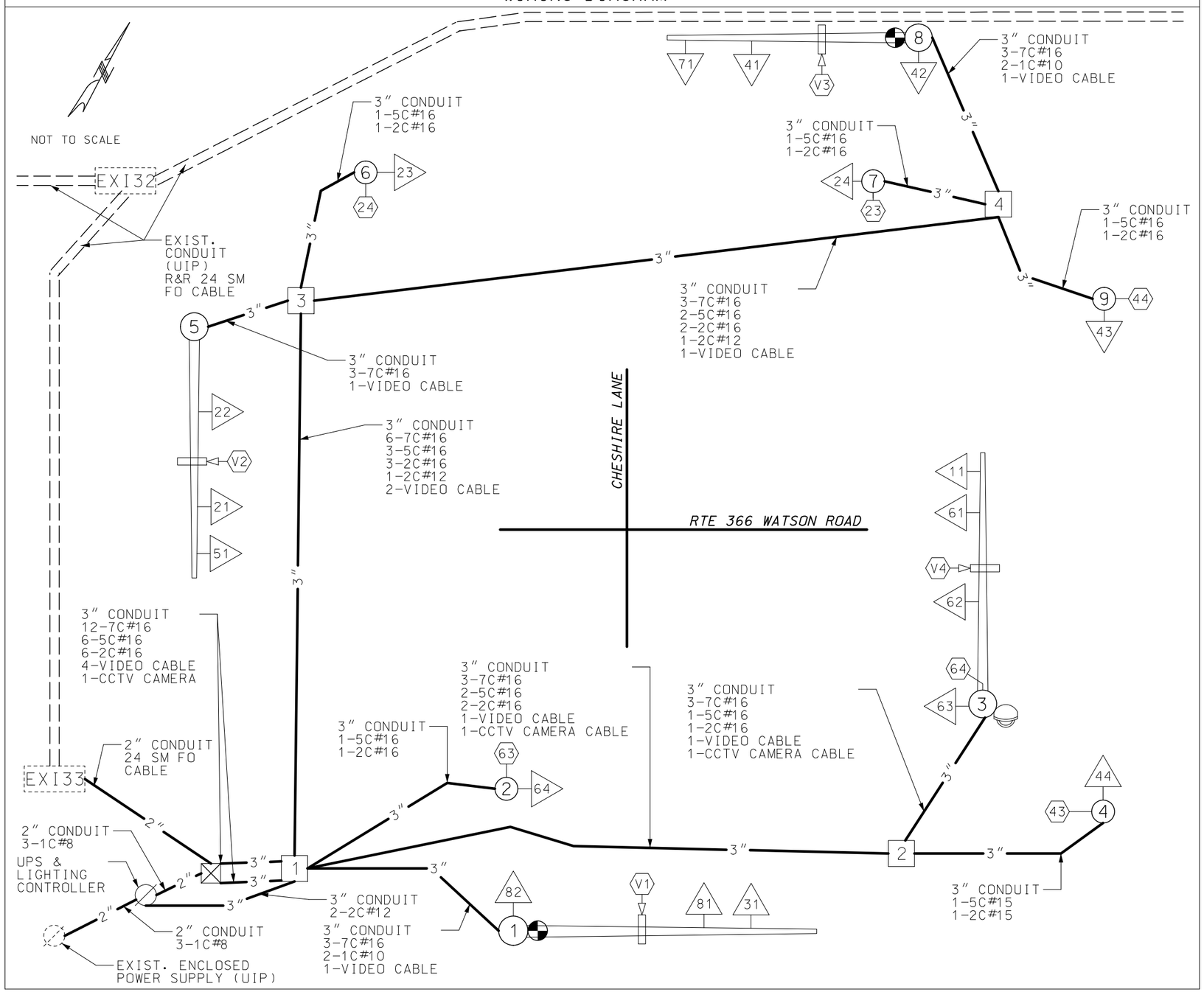
REV.

WIRING DIAGRAM



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LEGEND

- 3" CONDUIT CONTAINING CABLE WITH SIZE
- CABLE
- EXISTING CONDUIT
- X-Xc MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
- LIC #14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
- PULL BOX WITH NUMBER
- POST WITH NUMBER
- POST WITH MAST ARM
- POST WITH MAST ARM AND LUMINAIRE
- DETECTOR WITH NUMBER
- SIGNAL HEAD WITH NUMBER
- SIGNAL CONTROLLER
- POWER SUPPLY
- LIGHTING CONTROLLER
- VIDEO DETECTION CAMERA
- CCTV CAMERA

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2025025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED: 7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	374

COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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JEFFERSON CITY, MO 65102
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REV.

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SHEET 72 OF 95

SIGNAL SHEET

MO ROUTE 366/ CHESHIRE LANE

MO ROUTE 366 WATSON ROAD / CHESHIRE LANE

INTERSECTION

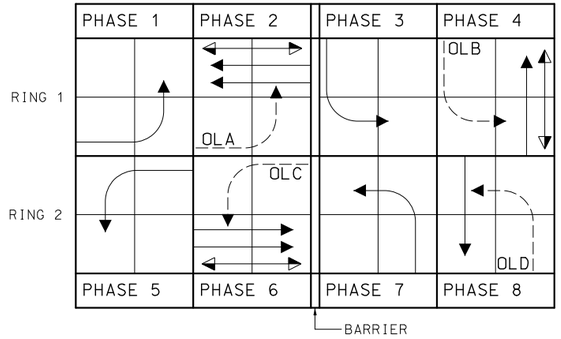
D-37D

EFFECTIVE 12/01/2017

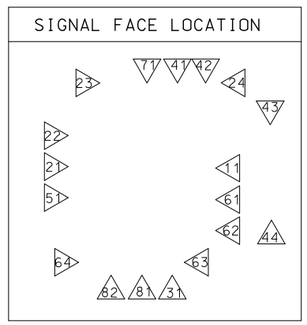
TRAFFIC PHASING AND COLOR SEQUENCE – ACTUATED CONTROLLERS

	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	OVERLAP A	OVERLAP B	OVERLAP C	OVERLAP D	PED Φ 2	PED Φ 4	PED Φ 6	PED Φ 8	
FACE NUMBERS	11	21 22	31	41 42	51	61 62	71	81 82	11	31	51	71	23 24	43 44	63 64		FACE NUMBERS
SIGNAL INDICATIONS R		R R		R R		R R		R R	RL	RL	RL	RL	DW DW	DW DW	DW DW		R
SIGNAL INDICATIONS Y		Y Y		Y Y		Y Y		Y Y	YL	YL	YL	YL					Y
SIGNAL INDICATIONS FYA									FYL	FYL	FYL	FYL					FYA
SIGNAL INDICATIONS G	L	G G	L	G G	L	G G	L	G G					W W	W W	W W		G
DETECTOR ASSIGNMENTS	11	21 22	31	41 41	51	61 62	71	81 81									DETECTOR ASSIGNMENTS
DETECTOR ASSIGNMENTS (PEDS. ONLY)													23 24	43 44	63 64		
OVERLAP PARENT PHASES									2	4	6	8					

NOT USED



RING STRUCTURE



IF CALLED, ALL NON-CONFLICTING PHASES SHALL COMBINE AND TIME CONCURRENTLY. TIME TO BE DETERMINED BY THE ENGINEER AT SIGNAL TURN ON AND SET IN THE CONTROLLER BY THE CONTRACTOR.

LEGEND

- ACTUATED VEHICULAR MOVEMENT
- PARTIALLY RESTRICTED ACTUATED VEHICULAR MOVEMENT
- NON-ACTUATED VEHICULAR MOVEMENT
- PARTIALLY RESTRICTED NON-ACTUATED VEHICULAR MOVEMENT
- ACTUATED PEDESTRIAN MOVEMENT
- NON-ACTUATED PEDESTRIAN MOVEMENT
- VEHICLE STOPPED
- FDW — FLASHING DON'T WALK
- W — WALK
- DW — DON'T WALK
- R/W — RIGHT OF WAY INTERVAL
- YR† — YELLOW RIGHT ARROW
- RT. — GREEN RIGHT ARROW
- LY −YL — YELLOW LEFT ARROW
- L — GREEN LEFT ARROW
- S — GREEN STRAIGHT AHEAD ARROW
- G — CIRCULAR GREEN
- Y — CIRCULAR YELLOW
- R — CIRCULAR RED
- RL — RED LEFT ARROW
- Ø — TRAFFIC PHASE
- AO — ALL OTHERS
- FR — FLASHING RED
- FY — FLASHING CIRCULAR YELLOW
- FYL — FLASHING YELLOW LEFT ARROW

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FLASHING OPERATION	
ALL	FR
CONTROLLER TYPE	NEMA 8Φ

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF MO ROUTE 366 WATSON ROAD

WITH CHESHIRE LANE

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED: 7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	375

COUNTY: ST. LOUIS

JOB NO.: J6S3582

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.:

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

SHEET 73 OF 95

SIGNAL SHEET

MO ROUTE 366/
CHESHIRE LANE

D-38A

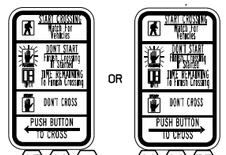
SCALE
0 20 40 60

EXIST. ESM'T.
EXIST. ESM'T.
EXIST. POWER SUPPLY (UIP)
EXIST. SIGNAL CONTROLLER (UIP)
℄ LACLEDE STATION RD
D3-1 STREET SIGN Laclede Station Rd
D3-1 STREET SIGN Watson Rd
NEXT SIGNAL 2880' LACLEDE GROVES RD 2.35% SPEED LIMIT = 40
EXIST. R/W
16' LANE
11' LANE
10' LANE
T.C.E.
8' POST
EXIST. R/W
CONST. ℄ RTE 366
2240+00
REMOVE EXIST. FIBER & RUN NEW 24 SM FIBER IN EXIST. CONDUIT (UIP)
2241+00
EXIST. CCTV CAMERA (UIP)
2242+00
2243+00
2244+00
2245+00
CONST. ℄ RTE 366
NEXT SIGNAL 3320' CHESHIRE LANE 1.02% SPEED LIMIT = 40 MPH
NEXT SIGNAL 5240' KUDA COURT 3.33% SPEED LIMIT = 40 MPH
4' PED POST
8' POST
P.H.E.
T.C.E.
D3-1 STREET SIGN Watson Rd
D3-1 STREET SIGN Laclede Station Rd
4' PED POST
4' PED POST
NEXT SIGNAL 2355' OUTDOOR EDUCATION CENTER 3.33% SPEED LIMIT = 35 MPH
NEXT SIGNAL N/A 3.33% SPEED LIMIT = 35 MPH
EXIST. R/W
℄ LACLEDE STATION RD
℄ HEEGE RD

STA. 5+00.00 LACLEDE STATION RD.=
STA. 2242+83.01 RTE 366

STA. 5+00.00 HEEGE RD.=
STA. 6+74.33 LACLEDE

NOTE: PUSH BUTTON 25 SHALL BE PLACED ON A PUSH BUTTON EXTENSION TO COMPLY WITH ADA REACH REQUIREMENTS



SIGN R10-3EL SIGN R10-3ER
INSTALLED ABOVE PUSH BUTTONS (INCLUDED IN COST FOR AUDIBLE PEDESTRIAN PUSH BUTTON)

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373
DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	376

COUNTY
ST. LOUIS
JOB NO.
J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

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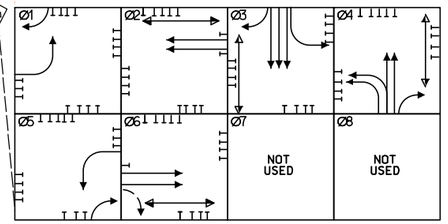
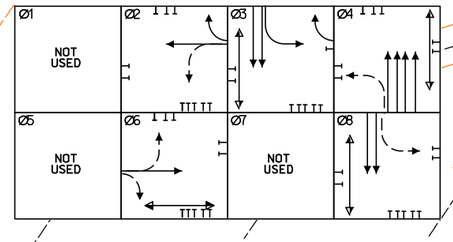
DATE
REV.

WATSON AND LACLEDE STATION



HEEGE AND LACLEDE STATION



SHEET 74 OF 95

SIGNAL SHEET

MO ROUTE 366/
LACLEDE STATION ROAD/
HEEGE ROAD

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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| POST NUMBER | PULL BOX NUMBER | LOCATION APPROACH | LOCATION STATION | LOCATION OFFSET | BASE A 9 | BASE A 9.5 | BASE A 10 | BASE A 10.5 | BASE A 11 | BASE A 12 | BASE F 9 | BASE F 9.5 | BASE F 10 | BASE F 10.5 | BASE F 11 | BASE F 12 | BASE C | BASE CONCRETE** (CU. YDS.) | PULL BOX PREFORMED CLASS 1 | PREFORMED CLASS 2 | PREFORMED CLASS 3 | PREFORMED CLASS 5 | CONCRETE STANDARD | CONCRETE DOUBLE, TYPE A | CONCRETE DOUBLE, TYPE B | ADJUST TO GRADE | DRAIN TYPE* I | DRAIN TYPE* II A | DRAIN TYPE* II B | DRAIN TYPE* II C | POST PED POST 4 FT. | POST TOP MOUNT POST 8 FT. | POST TOP MOUNT POST 15 FT. | TYPE C & CL ARM LENGTH A | A | A | A | SIGNAL SPACING B | C | D | D′ | SIGN SPACING B | C | D | D′ | TYPE B & BL ARM LENGTH E | K | E | K | E | K | LEFT ARM E SIGNAL SPACING F | G | H | H′ | SIGN SPACING F | G | H | H′ | RIGHT ARM K SIGNAL SPACING L | M | N | N′ | SIGN SPACING L | M | N | N′ | INCLUDED ANGLE | LUMINAIRE BRACKET ARM* 4 FT. | 6 FT. | 8 FT. | 10 FT. | 12 FT. | 15 FT. |
|---|---|---

EFFECTIVE: 10-01-2015

CONDUIT (WITH #14 TRACER WIRE)

FROM	TO	CENTER TO CENTER DISTANCE	LOOP DET.	TRENCH				PUSHED			MEDIAN			ON STRUCTURE			REMARKS
			1″	2″	3″	4″		2″	3″	4″	2″	3″	4″	2″	3″		
EX1	EX2	23′							21′								
EX2	1	30′							31′								
EX2	EX3	123′							121′								
EX2	EX5	142′							140′								
EX3	2	15′							16′								
EX3	EX4	119′							117′								
EX4	5	13′							14′								
EX5	3	28′							29′								
EX5	4	13′							14′								
EX8	EX9	103′							101′								
EX9	6	19′							20′								
SUBTOTALS									624′								
TOTALS									624′								

CABLE

FROM	TO	CENTER TO CENTER DISTANCE	POWER		CONTROL				CLOSED LOOP INTERCONNECT	LUMINAIRE		DETECTOR			CCTV CAMERA CABLE	REMARKS
			1c #8		2c #16	5c #16	7c #16	3c #16	3 PAIR #16	CONTROL 2c #12	POLE & BRACKET 1c #10	1c #14 IN DUCT	2c #14 LEAD-IN CABLE	VIDEO CABLE (1)		
⊠	1	39′				69′										PEDESTRIAN HEAD 26
⊠	1	39′			68′											PUSH BUTTON 25
⊠	2	169′			204′											PUSH BUTTON 411
⊠	3	201′				237′										PEDESTRIAN HEAD 38
⊠	3	201′			236′											PUSH BUTTON 37
⊠	4	186′				222′										PEDESTRIAN HEAD 66
⊠	4	186′			221′											PUSH BUTTON 67
⊠	5	287′			328′											PUSH BUTTON 66
⊠	6	386′			433′											PUSH BUTTON 413
⊠	EX1	50′				74′										PEDESTRIAN HEAD 37
⊠	EX1	50′			73′											PUSH BUTTON 38
⊠	EX1	50′												(129′)		VIDEO V-1
⊠	EX2	168′				204′										PEDESTRIAN HEAD 25
⊠	EX2	168′			203′											PUSH BUTTON 26
⊠	EX2	168′				204′										PEDESTRIAN HEAD 410
⊠	EX2	168′												(242′)		VIDEO V-2
⊠	EX3	299′				341′										PEDESTRIAN HEAD 411
⊠	EX3	299′				341′										PEDESTRIAN HEAD 67
⊠	EX3	299′			340′											PUSH BUTTON 410
⊠	EX3	299′												(386′)		VIDEO V-3
⊠	EX4	178′												(254′)		VIDEO V-4
⊠	EX5	227′				269′										PEDESTRIAN HEAD 83
⊠	EX5	227′			268′											PUSH BUTTON 84
⊠	EX5	227′												(299′)		VIDEO V-5
⊠	EX6	304′				352′										PEDESTRIAN HEAD 84
⊠	EX6	304′				352′										PEDESTRIAN HEAD 68
⊠	EX6	304′			351′											PUSH BUTTON 69
⊠	EX6	304′			351′											PUSH BUTTON 83
⊠	EX6	304′												(392′)		VIDEO V-6
⊠	EX7	487′				541′										PEDESTRIAN HEAD 69
⊠	EX7	487′				541′										PEDESTRIAN HEAD 413
⊠	EX7	487′			540′											PUSH BUTTON 68
⊠	EX7	487′			540′											PUSH BUTTON 412
⊠	EX7	487′												(582′)		VIDEO V-7
⊠	EX8	380′														PEDESTRIAN HEAD 412
⊠	EX8	380′				428′								(475′)		VIDEO V-8
SUBTOTALS					4156′	4175′								(2759′)		
5% FOR SNAKING					4363′	4383′								(2896′)		
TOTALS					4370′	4390′								(2900′)		

(1) NO DIRECT PAY FOR REQUIRED VIDEO DETECTOR CABLE

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2322025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED: 7/25/2024
MO ROUTE: 366
STATE: MO
DISTRICT: SL
SHEET NO.: 378
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION
DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ENGINEERING CORPORATION - 000631
REV.

SHEET 76 OF 95

SIGNAL SHEET

MO ROUTE 366/
LACLEDE STATION ROAD/
HEEGE ROAD

D-37B

MO ROUTE 366 WATSON ROAD/LACLEDE STATION ROAD/HEEGE ROAD
INTERSECTION

POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING✳				LIGHTING CONTROL ✳ (ON POWER SUPPLY)		SERVICE POLE	
					CONTROLLER		POWER SUPPLY DISCONNECT					
APPROACH	STATION	OFFSET	DRAWING 902.15	SPECIAL DRAWING (4)	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	MAIN BREAKER		120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
							SIGNALS	LIGHTING				
USE EXISTING	2242+75.72	80.17'LT	Type		15 Amps	Amps	100 Amps	Amps		Amps	Ct. Ft.	AMEREN
			Type		Amps	Amps	Amps	Amps		Amps	Ct. Ft.	

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF✳ SWITCH		COORDINATION INTERFACE ✳						TIME ✳ CLOCK	NEMA CABINET TYPE ✳			170 CABINET TYPE ✳		170 SOFTWARE ✳	
							TYPE		12C/7C HARDWIRE (1)		TIME BASE	CLOSED LOOP		FIBER								
APPROACH	STATION	OFFSET	NEMA	170	NEMA	170	I	II	MASTER	LOCAL		NEMA	170			E	EV	DOUBLE	332	336S	BITRAN	WAPITI
USE EXISTING	2242+71.64	82.42'LT																				

NEMA DETECTOR ASSIGNMENT

		CARD POSITION							
		1	2	3	4	5	6	7	8
CHANNEL	1		SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM (3)						
	2								

TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = (2)

SIGNAL SIGNS

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
	R10-10L	24 X 30	5.0		
	R10-10R	24 X 30	5.0		
	R3-5L	30 X 36	7.5		
	R3-5R	30 X 36	7.5		
	R3-5A	30 X 36	7.5		
	R3-6L	30 X 36	7.5		
	R3-6R	30 X 36	7.5		
	R3-2	24 X 24	4.0		
	R3-1	24 X 24	4.0		
	R3-3	24 X 24	4.0		
2	D3-1 ✳✳✳	72 X 18	9.0	18.0	2
2	D3-1 ✳✳✳	96 X 18	12.0	24.0	2
	D3-1B ✳✳✳	VAR. X 18			
7	R10-3EL	9 X 15	0.9	6.3✳	7✳
7	R10-3ER	9 X 15	0.9	6.3✳	7✳
	R10-11A	24 X 30	5.0		
	R10-12	30 X 36	7.5		
	R10-13	36 X 24	6.0		
	R10-27A	30 X 36	7.5		
			SUBTOTAL	54.6	18
			TOTAL	42	4

NOTE: PAYMENT FOR PUSH BUTTON SIGNS (R10-3E) & MOUNTING HARDWARE ARE TO BE INCIDENTAL TO THE COST OF THE PUSH BUTTON

DETECTOR SCHEDULE

DETECTOR NUMBER	APPROACH	TYPE				
		AUDIBLE PUSH BUTTON	INDUCTION LOOP (2)			OPTIONAL DETECTION (3)
			STANDARD	DELAY/ EXTEND ✳	CALL UNIT ✳	
25	SB LACLEDE STATION	1				
26	SB LACLEDE STATION	1				
38	EB WATSON	1				
37	EB WATSON	1				
67	NB LACLEDE STATION	1				
66	NB LACLEDE STATION	1				
411	WB WATSON	1				
410	WB WATSON	1				
413	WB HEEGE	1				
412	WB HEEGE	1				
68	NB LACLEDE STATION	1				
69	NB LACLEDE STATION	1				
83	EB HEEGE	1				
84	EB HEEGE	1				
51	WBL WATSON					V1
21	WB WATSON					V1
22	WB WATSON					V1
41	NB LACLEDE STATION					V2
42	NB LACLEDE STATION					V2
43	NB LACLEDE STATION					V2
44	NB LACLEDE STATION					V2
11	EB WATSON					V3
61	EB WATSON					V3
62	EB WATSON					V3
63	EB WATSON					V3
31	SB LACLEDE STATION					V4
32	SB LACLEDE STATION					V4
33	SB LACLEDE STATION					V4
34	SB LACLEDE STATION					V4
35	SB LACLEDE STATION					V4
23	WB HEEGE					V5
24	WB HEEGE					V5
36	SB LACLEDE STATION					V6
81	SB LACLEDE STATION					V6
82	SB LACLEDE STATION					V6
64	EB HEEGE					V7
65	EB HEEGE					V7
45	NB LACLEDE STATION					V8
46	NB LACLEDE STATION					V8
47	NB LACLEDE STATION					V8
48	NB LACLEDE STATION					V8
48	NB LACLEDE STATION					V8
		14				

✳ ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

✳✳✳ USE D3-1 FOR ONE LINE. USE D3-1B FOR TWO LINE.

(1) MoDOT "D" PLUG SHALL BE WIRED INTO ALL NEMA CONTROLLERS WITH 7C HARDWIRE INTERCONNECT.

(2) PAYMENT IS MADE FOR THE NUMBER OF 2-CHANNEL DETECTOR CARDS AS SHOWN BELOW THE ASSIGNMENT CHART.

(3) SEE SL DISTRICT TRAFFIC SIGNAL DETECTION JSP FOR ADDITIONAL DETAILS. SIGNAL DETECTION SHALL BE PAID AS 1 PER INTERSECTION. THE CONTRACTOR SHALL PROVIDE AND INSTALL A VEHICLE DETECTION SYSTEM FULLY COVERING DETECTION ZONES AS SHOWN ON THE PLANS. THE METHOD CHOSEN SHALL COMPLY WITH MODOT'S STANDARDS AND SPECIFICATIONS.ALL EQUIPMENT USED IN THE SYSTEM SHALL BE IN ACCORDANCE WITH MODOT'S APPROVED PRODUCT LIST AND RECEIVE COMPLETE UNIT WITH ALL COSTS INCLUDED.

SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM (3)
TOTAL = 1 EACH

PEDESTRIAN PUSH BUTTON EXTENSION
TOTAL = 1 EACH

INSTALL MODOT FURNISHED TRAFFIC SIGNAL CONTROLLER
TOTAL = 1 EACH

NETWORK CONNECTED SIGNAL MONITOR
TOTAL = 1 EACH

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Ø 2 EBL	Ø 2 WB	Ø 3 SB	Ø 4 NB	Ø 5 WBL	Ø 6 EB	NOT USED	NOT USED	OLA	NOT USED	NOT USED	NOT USED	Ø 2 PED	Ø 3 PED	Ø 4 PED	Ø 6 PED
NOT USED				NOT USED			Ø 8 SB			OLC	OLD	Ø 3 PED	Ø 4 PED	Ø 6 PED	Ø 8 PED

MO ROUTE 366 WATSON ROAD/LACLEDE STATION ROAD/HEEGE ROAD
INTERSECTION

D-37C

DISCLAIMER EFFECTIVE 04-01-2018

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CASSANDRA MCKEE LEE
NUMBER PE-2325025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	379

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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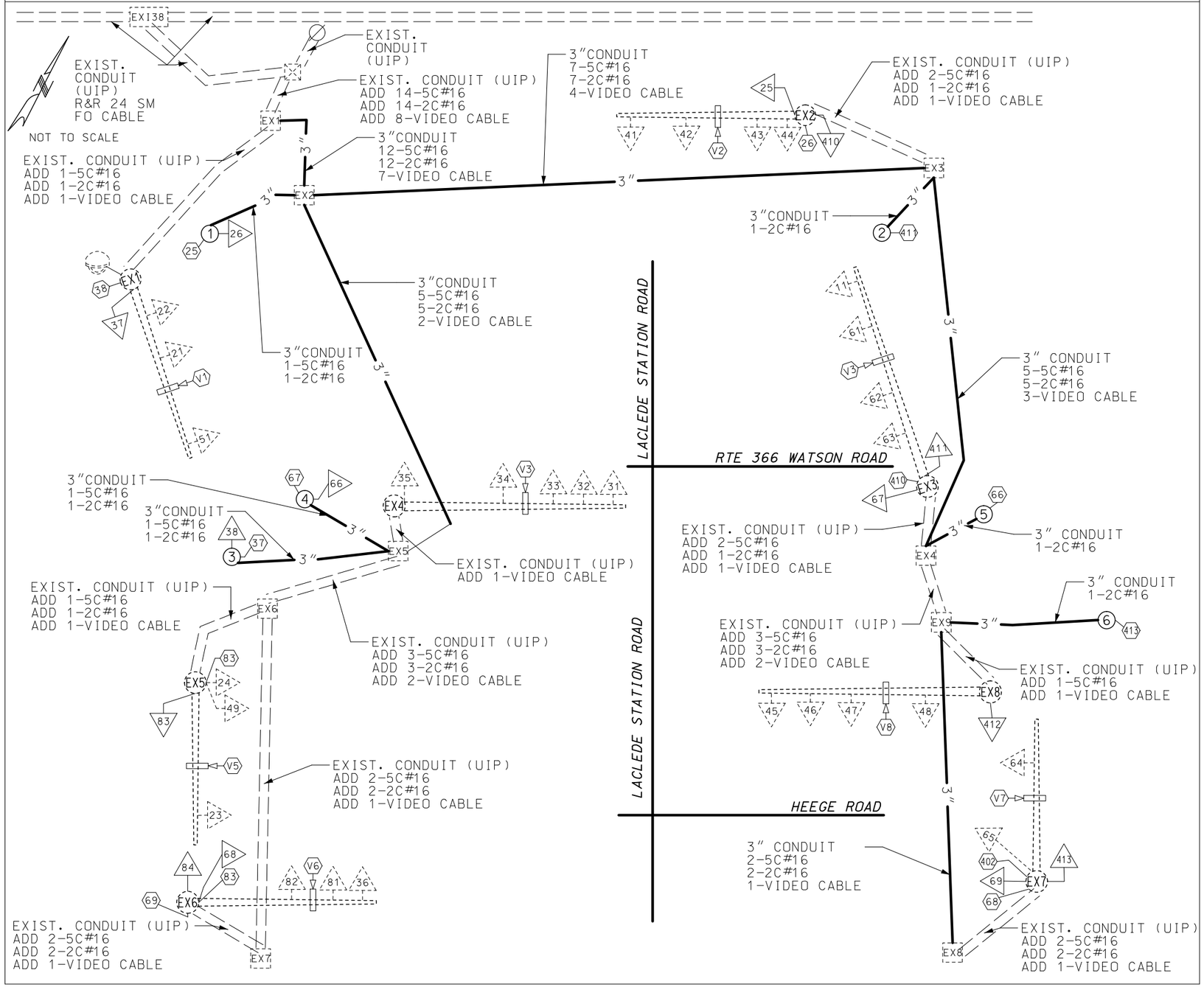
REV.

SHEET 77 OF 95

SIGNAL SHEET

MO ROUTE 366/ LACLEDE STATION ROAD/ HEEGE ROAD

WIRING DIAGRAM



LEGEND

3"	CONDUIT CONTAINING CABLE WITH SIZE
	CABLE
	EXISTING CONDUIT
X–Xc	MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
LIC	#14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
X	PULL BOX WITH NUMBER
X	POST WITH NUMBER
X	POST WITH MAST ARM
X	POST WITH MAST ARM AND LUMINAIRE
X	DETECTOR WITH NUMBER
X	SIGNAL HEAD WITH NUMBER
	SIGNAL CONTROLLER
	POWER SUPPLY
	LIGHTING CONTROLLER
	VIDEO DETECTION CAMERA
	CCTV CAMERA

DISCLAIMER EFFECTIVE 12-01-17

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CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	380

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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REV.

SHEET 78 OF 95

SIGNAL SHEET

MO ROUTE 366/
LACLEDE STATION ROAD/
HEEGE ROAD

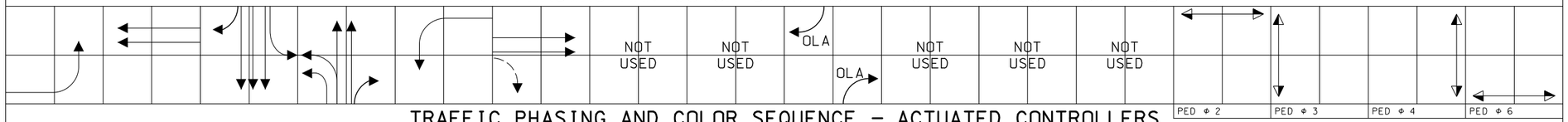
D-37D

MO ROUTE 366 WATSON ROAD/LACLEDE STATION ROAD/HEEGE ROAD

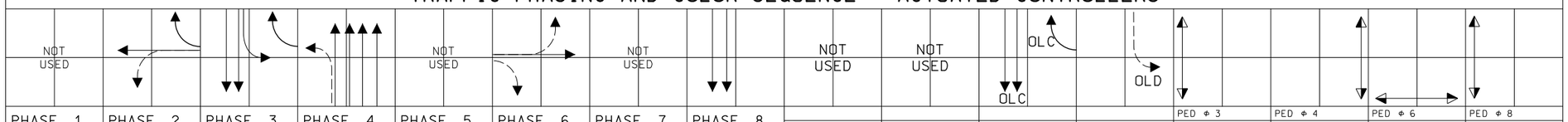
INTERSECTION

EFFECTIVE 12/01/2017

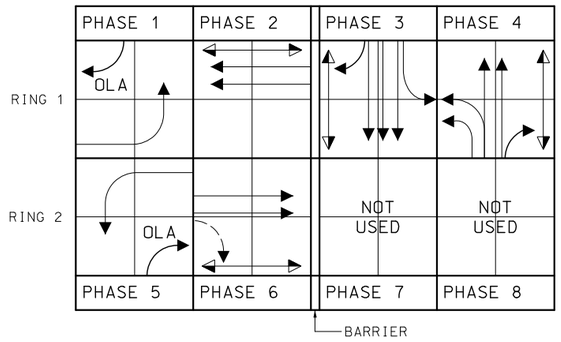
TRAFFIC PHASING AND COLOR SEQUENCE – ACTUATED CONTROLLERS



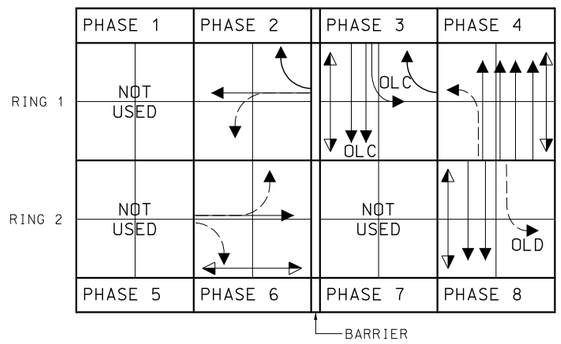
TRAFFIC PHASING AND COLOR SEQUENCE – ACTUATED CONTROLLERS



	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	OVERLAP A	OVERLAP B	OVERLAP C	OVERLAP D	PED Φ 3	PED Φ 4	PED Φ 6	PED Φ 8	
FACE NUMBERS	11	21 22 23 24	31 32 33 34 35 36	41 42 43 44 45 46 47 48	51	61 62 63 64 65		81 82	35 44		81 82 24	36	25 26 83 84	37 38 412 413	410 68 411 69	66 67 83 84	FACE NUMBERS
SIGNAL INDICATIONS R	RL	R	R	RL	R	R	R	R			R	DW DW	DW	DW DW	DW DW	R	
SIGNAL INDICATIONS Y	YL	Y	Y	YL	Y	Y	Y	Y			Y	YL				Y	
SIGNAL INDICATIONS FYA		YR†	YR†		FYL				YR†	YR†	YR†					FYA	SIGNAL INDICATIONS
SIGNAL INDICATIONS G	L	S G G	L S G G	L S G G	L	S G G		G G			G	L	W W	W	W W	W W	G	
		R†	R†	L					R†	R†	R†						
DETECTOR ASSIGNMENTS	11	21 22 23 24	31 32 33 34 35	41 42 43 44 45 46 47 48	51	61 62 63 64 65		81 82									DETECTOR ASSIGNMENTS
DETECTOR ASSIGNMENTS (PEDS. ONLY)													25 26 83 84	37 38 412 413	410 68 411 69	66 67 83 84	
OVERLAP PARENT PHASES									1	5	3	3 8					



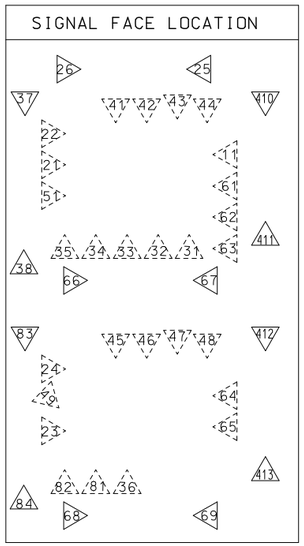
RING STRUCTURE
WATSON AND LACLEDE STATION



RING STRUCTURE
HEEGE AND LACLEDE STATION

IF CALLED, ALL NON-CONFLICTING PHASES SHALL COMBINE AND TIME CONCURRENTLY. TIME TO BE DETERMINED BY THE ENGINEER AT SIGNAL TURN ON AND SET IN THE CONTROLLER BY THE CONTRACTOR.

SIGNAL FACE LOCATION



LEGEND

- ACTUATED VEHICULAR MOVEMENT
- PARTIALLY RESTRICTED ACTUATED VEHICULAR MOVEMENT
- NON-ACTUATED VEHICULAR MOVEMENT
- PARTIALLY RESTRICTED NON-ACTUATED VEHICULAR MOVEMENT
- ACTUATED PEDESTRIAN MOVEMENT
- NON-ACTUATED PEDESTRIAN MOVEMENT
- VEHICLE STOPPED

FDW	FLASHING DON'T WALK
W	WALK
DW	DON'T WALK
R/W	RIGHT OF WAY INTERVAL
YR†	YELLOW RIGHT ARROW
RT.	GREEN RIGHT ARROW
LY –YL	YELLOW LEFT ARROW
L	GREEN LEFT ARROW
S	GREEN STRAIGHT AHEAD ARROW
G	CIRCULAR GREEN
Y	CIRCULAR YELLOW
R	CIRCULAR RED
RL	RED LEFT ARROW
Ø	TRAFFIC PHASE
AO	ALL OTHERS
FR	FLASHING RED
FY	FLASHING CIRCULAR YELLOW
FYL	FLASHING YELLOW LEFT ARROW

FLASHING OPERATION

ALL	FR

CONTROLLER TYPE	NEMA 8Ø

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF MO ROUTE 366 WATSON ROAD
WITH LACLEDE STATION ROAD/HEEGE ROAD

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED: 7/25/2024
MO ROUTE: 366 | STATE: MO
DISTRICT: SL | SHEET NO.: 381
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ENGINEERING CORPORATION - 000631

REV.

SHEET 79 OF 95

SIGNAL SHEET

MO ROUTE 366/
LACLEDE STATION ROAD/
HEEGE ROAD

D-38A

SCALE
0 10 20 30

EXIST. ITS PB (UIP)
EXIST. CCTV CAMERA (R & RELOC. TO NEW SIGNAL FACILITY)
MEDICAL
PROP. SIGNAL CONTROLLER
T.C.E.
EXIST. SIGNAL CONTROLLER (R)
PAD MOUNTED UPS & LIGHTING CONTROLLER (USE EXIST. PS FOR METER)
EXIST. R/W
REMOVE EXIST. FIBER & RUN NEW 24 SM FIBER IN EXIST. CONDUIT (UIP)
Jacobs Coal Rd
D3-1 STREET SIGN
30' MAST ARM
℄ JACOBS COAL ROAD
STA. 5+00.00 JACOBS COAL RD.=
STA. 2317+47.93 RTE 366
CONST. ℄ RTE 366
11' LANE
12' LANE
NEXT SIGNAL 2200' KUDA CT
1.63%
SPEED LIMIT = 40 MPH
EXIST. ESM'T.
NEXT SIGNAL N/A
6.73%
SPEED LIMIT = 40 MPH
COMMERCIAL
8' POST
(UIP)
EXIST. R/W
12' LANE
NEXT SIGNAL 935' MACKENZIE RD
0.85%
SPEED LIMIT = 40 MPH
LEFT TURN YIELD ON FLASHING ARROW
R10-27a
D3-1 STREET SIGN
Jacobs Coal Rd
45' MAST ARM
EXIST. ITS PB (UIP)
Watson Rd
D3-1 STREET SIGN
15' MAST ARM
EXIST. ENCLOSED POWER SUPPLY (UIP)
REMOVE EXIST. FIBER & RUN NEW 24 SM FIBER IN EXIST. CONDUIT (UIP)
CEMETERY
CEMETERY
SIGN R10-3EL SIGN R10-3ER INSTALLED ABOVE PUSH BUTTONS (INCLUDED IN COST FOR AUDIBLE PEDESTRIAN PUSH BUTTON)
Ø1 Ø2 Ø3 Ø4 Ø5 Ø6 Ø7 Ø8 NOT USED

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED 7/25/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 382
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION | DATE | REV.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
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SHEET 80 OF 95

SIGNAL SHEET

MO ROUTE 366/
JACOBS COAL ROAD

| POST NUMBER | PULL BOX NUMBER | LOCATION APPROACH | STATION | OFFSET | BASE A 9 | A 9.5 | A 10 | A 10.5 | A 11 | A 12 | F 9 | F 9.5 | F 10 | F 10.5 | F 11 | F 12 | C | CONCRETE** (CU. YDS.) | PULL BOX PREFORMED CLASS 1 | CLASS 2 | CLASS 3 | CLASS 5 | CONCRETE STANDARD | DOUBLE, TYPE A | DOUBLE, TYPE B | ADJUST TO GRADE | DRAIN TYPE* I | II A | II B | II C | POST 4 FT. PED POST | TOP MOUNT POST 8 FT. | TOP MOUNT POST 15 FT. | TYPE C & CL ARM LENGTH A | A | A | A | SIGNAL SPACING B | C | D | D' | SIGN SPACING B | C | D | D' | TYPE B & BL ARM LENGTH E | K | E | K | E | K | LEFT ARM E SIGNAL SPACING F | G | H | H' | SIGN SPACING F | G | H | H' | RIGHT ARM K SIGNAL SPACING L | M | N | N' | SIGN SPACING L | M | N | N' | INCLUDED ANGLE | LUMINAIRE BRACKET ARM** 4 FT. | 6 FT. | 8 FT. | 10 FT. | 12 FT. | 15 FT. |
|---|---|---

EFFECTIVE: 10-01-2015

CONDUIT (WITH #14 TRACER WIRE)

FROM	TO	CENTER TO CENTER DISTANCE	LOOP DET.	TRENCH				PUSHED			MEDIAN			ON STRUCTURE			REMARKS
			1″	2″	3″	4″		2″	3″	4″	2″	3″	4″	2″	3″		
∅	∅UPS	177′							185′								
∅UPS	☒	7′			15′												
∅UPS	1	17′			20′												FOR LUMINAIRE CABLE
☒	1	9′			24′												2-3″ CONDUIT
1	①	12′			15′												
1	2	91′							89′								
1	3	130′							128′								
2	②	8′			11′												
2	③	89′			92′												
3	④	8′			9′												
SUBTOTALS				186′				402′									
TOTALS				186′				402′									

CABLE

FROM	TO	CENTER TO CENTER DISTANCE	POWER		CONTROL				CLOSED LOOP INTERCONNECT	LUMINAIRE		DETECTOR			CCTV CAMERA CABLE	REMARKS
			1c #8		2c #16	5c #16	7c #16	3c #16	3 PAIR #16	CONTROL 2c #12	POLE & BRACKET 1c #10	1c #14 IN DUCT	2c #14 LEAD-IN CABLE	VIDEO CABLE (1)		
∅	∅UPS	177′	579′													3-1c#8 CABLES
∅UPS	☒	7′	69′													3-1c#8 CABLES
☒	①	13′					76′									SIGNAL HEAD 21
☒	①	13′					64′									SIGNAL HEAD 22
☒	①	13′				37′										PEDESTRIAN HEAD 23
☒	①	13′			36′											PUSH BUTTON 24
☒	①	13′												(81′)		VIDEO V-1
☒	①	13′													57′	CCTV
☒	②	109′					164′									SIGNAL HEAD 31
☒	②	109′					152′									SIGNAL HEAD 33
☒	②	109′												(169′)		VIDEO V-2
☒	③	189′					270′									SIGNAL HEAD 11
☒	③	189′					259′									SIGNAL HEAD 61
☒	③	189′					247′									SIGNAL HEAD 62
☒	③	189′												(264′)		VIDEO V-3
☒	④	146′				176′										PEDESTRIAN HEAD 24
☒	④	146′			175′											PUSH BUTTON 23
∅UPS	①	29′								28′	92′					LUMINAIRE
SUBTOTALS			648′		211′	213′	1232′			28′	92′			(514′)	57′	
5% FOR SNAKING			680′		221′	223′	1294′			30′	97′			(539′)	(60′)	
TOTALS			680′		220′	230′	1300′			30′	100′			(540′)	(60′)	

(1) NO DIRECT PAY FOR REQUIRED VIDEO DETECTOR CABLE

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MO ROUTE 366 WATSON ROAD/JACOBS COAL ROAD
INTERSECTION

D-37B

SHEET 82 OF 95

SIGNAL SHEET

MO ROUTE 366/
JACOBS COAL ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2025025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED: 7/25/2024
MO ROUTE: 366
STATE: MO
DISTRICT: SL
SHEET NO.: 384
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION
DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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REV.

POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING✳				LIGHTING CONTROL ✳ (ON POWER SUPPLY)		SERVICE POLE	
					CONTROLLER		POWER SUPPLY DISCONNECT					
APPROACH	STATION	OFFSET	DRAWING 902.15	SPECIAL DRAWING (4)	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	MAIN BREAKER		120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
							SIGNALS	LIGHTING				
RTE 366	2316+66.90	54.19'LT	Type	1	15 Amps	· Amps	100 Amps	Amps		· Amps	Ct. Ft.	AMEREN
·	·	·	Type	·	· Amps	· Amps	· Amps	· Amps	·	· Amps	Ct. Ft.	·

DISCLAIMER EFFECTIVE 04-01-2018

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CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF✳ SWITCH		COORDINATION INTERFACE ✳						TIME ✳ CLOCK	NEMA CABINET TYPE ✳			170 CABINET TYPE ✳		170 SOFTWARE ✳	
							TYPE		12C/7C HARDWIRE (1)		TIME BASE	CLOSED LOOP		FIBER								
APPROACH	STATION	OFFSET	NEMA	170	NEMA	170	I	II	MASTER	LOCAL		NEMA	170			E	EV	DOUBLE	332	336S	BITRAN	WAPITI
RTE 366	2316+73.64	53.99'LT	·	·	1	·											1					
·	·	·	·	·	·	·																
·	·	·	·	·	·	·																
·	·	·	·	·	·	·																

NEMA DETECTOR ASSIGNMENT

		CARD POSITION							
		1	2	3	4	5	6	7	8
CHANNEL	1		SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM (3)						
	2								

TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = (2)

DETECTOR SCHEDULE

DETECTOR NUMBER	APPROACH	TYPE				
		AUDIBLE PUSH BUTTON	INDUCTION LOOP (2)			OPTIONAL DETECTION (3)
			STANDARD	DELAY/ EXTEND ✳	CALL UNIT ✳	
23	SB JACOBS COAL RD	1	·	·	·	·
24	SB JACOBS COAL RD	1	·	·	·	·
11	EB WATSON RD					V3
61	EB WATSON RD					V3
62	EB WATSON RD					V3
21	WB WATSON RD					V1
22	WB WATSON RD					V1
31	SB JACOBS COAL RD					V2
32	SB JACOBS COAL RD					V2
		2				

✳ ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

✳✳✳ USE D3-1 FOR ONE LINE. USE D3-1B FOR TWO LINE.

(1) MoDOT "D" PLUG SHALL BE WIRED INTO ALL NEMA CONTROLLERS WITH 7C HARDWIRE INTERCONNECT.

(2) PAYMENT IS MADE FOR THE NUMBER OF 2-CHANNEL DETECTOR CARDS AS SHOWN BELOW THE ASSIGNMENT CHART.

(3) SEE SL DISTRICT TRAFFIC SIGNAL DETECTION JSP FOR ADDITIONAL DETAILS. SIGNAL DETECTION SHALL BE PAID AS 1 PER INTERSECTION. THE CONTRACTOR SHALL PROVIDE AND INSTALL A VEHICLE DETECTION SYSTEM FULLY COVERING DETECTION ZONES AS SHOWN ON THE PLANS. THE METHOD CHOSEN SHALL COMPLY WITH MODOT'S STANDARDS AND SPECIFICATIONS. ALL EQUIPMENT USED IN THE SYSTEM SHALL BE IN ACCORDANCE WITH MODOT'S APPROVED PRODUCT LIST AND RECEIVE COMPLETE UNIT WITH ALL COSTS INCLUDED.

(4) EXISTING ENCLOSED POWER SUPPLY SHALL BE USED IN PLACE. PAD MOUNTED 120V/240V SIGNAL POWER SUPPLY AND LIGHTING CONTROLLER WITH UPS WILL BE USED AS A STANDALONE UPS AND 120V LIGHTING CONTROLLER:
120V AND 240V METER SLOTS SHALL BE LEFT EMPTY.

SIGNAL SIGNS

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
	R10-10L	24 X 30	5.0		
	R10-10R	24 X 30	5.0		
	R3-5L	30 X 36	7.5		
	R3-5R	30 X 36	7.5		
	R3-5A	30 X 36	7.5		
	R3-6L	30 X 36	7.5		
	R3-6R	30 X 36	7.5		
	R3-2	24 X 24	4.0		
	R3-1	24 X 24	4.0		
	R3-3	24 X 24	4.0		
2	D3-1 ✳✳✳	96 X 18	12.0	24.0	2
1	D3-1 ✳✳✳	72 X 18	9.0	9.0	1
	D3-1B ✳✳✳	VAR. X 18			
1	R10-3EL	9 X 15	0.9	0.9✳	1✳
1	R10-3ER	9 X 15	0.9	0.9✳	1✳
	R10-11A	24 X 30	5.0		
	R10-12	30 X 36	7.5		
	R10-13	36 X 24	6.0		
1	R10-27A	30 X 36	7.5	7.5	1
			SUBTOTAL	42.3	6
			TOTAL	41	4

NOTE: PAYMENT FOR PUSH BUTTON SIGNS (R10-3E) & MOUNTING HARDWARE ARE TO BE INCIDENTAL TO THE COST OF THE PUSH BUTTON

SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM (3)

TOTAL = 1 EACH

NETWORK CONNECTED SIGNAL MONITOR

TOTAL = 1 EACH

REMOVE AND RELOCATE EXISTING CCTV CAMERA

TOTAL = 1 EACH

COMBINATION PAD MOUNTED 120V/240V POWER SUPPLY AND LIGHTING CONTROLLER WITH UPS

TOTAL = 1 EACH

INSTALL MODOT FURNISHED TRAFFIC SIGNAL CONTROLLER

TOTAL = 1 EACH

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Ø 1 EBL	Ø 2 WB	Ø 3 SB	NOT USED	NOT USED	Ø 6 EB	NOT USED	NOT USED	OLA	NOT USED	NOT USED	NOT USED	Ø 2 PED	NOT USED	NOT USED	NOT USED

MO ROUTE 366 WATSON ROAD/JACOBS COAL ROAD
INTERSECTION

D-37C

SHEET 83 OF 95

SIGNAL SHEET

MO ROUTE 366/
JACOBS COAL ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	385

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
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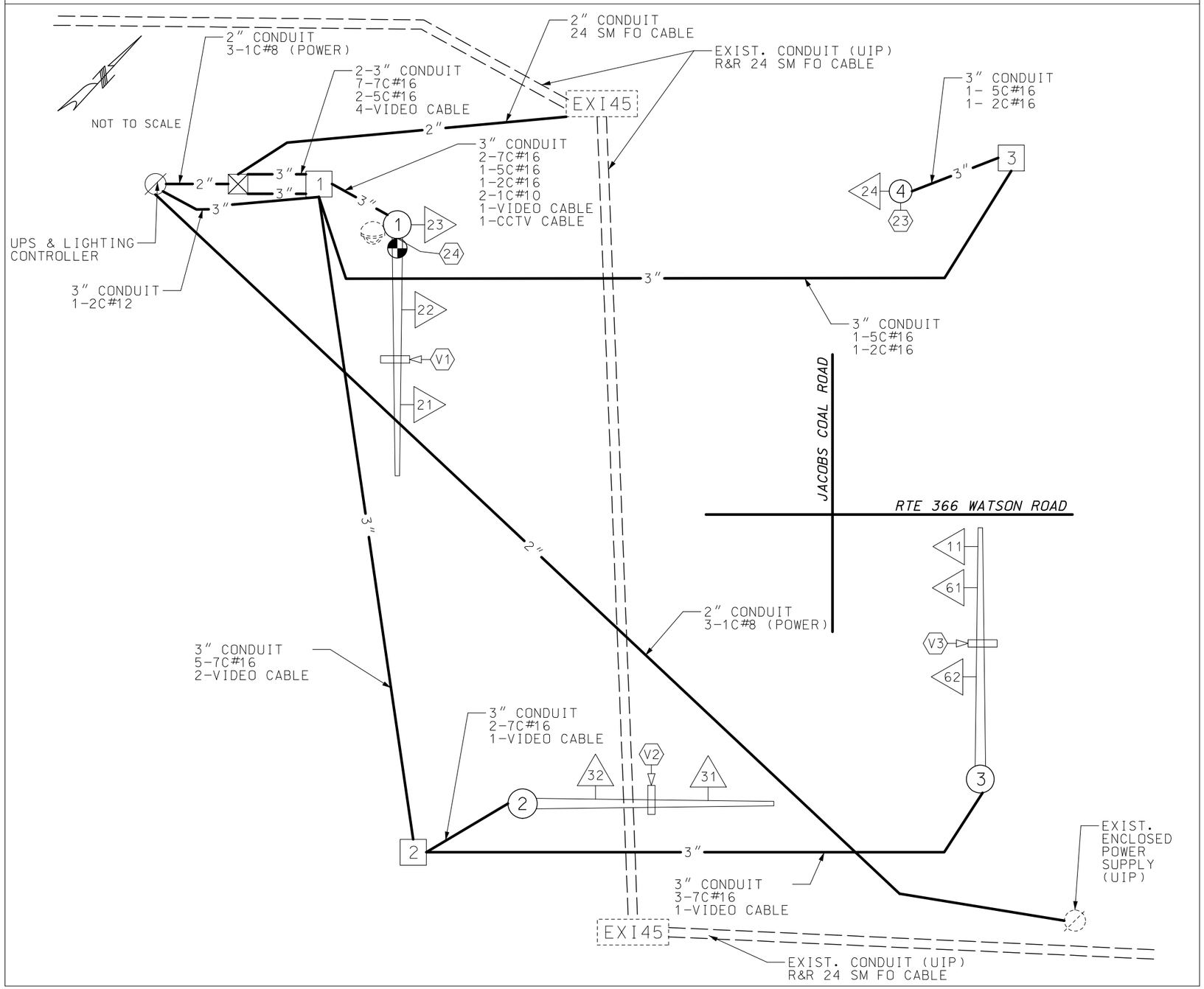
REV.

WIRING DIAGRAM



LEGEND

3"	CONDUIT CONTAINING CABLE WITH SIZE
	CABLE
	EXISTING CONDUIT
X-Xc	MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
LIC	#14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
X	PULL BOX WITH NUMBER
X	POST WITH NUMBER
X	POST WITH MAST ARM
X	POST WITH MAST ARM AND LUMINAIRE
X	DETECTOR WITH NUMBER
X	SIGNAL HEAD WITH NUMBER
	SIGNAL CONTROLLER
	POWER SUPPLY
	LIGHTING CONTROLLER
	VIDEO DETECTION CAMERA
	CCTV CAMERA

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2325025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	386

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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REV.

SHEET 84 OF 95

SIGNAL SHEET

MO ROUTE 366/
JACOBS COAL ROAD

MO ROUTE 366 WATSON ROAD / JACOBS OLD COAL ROAD

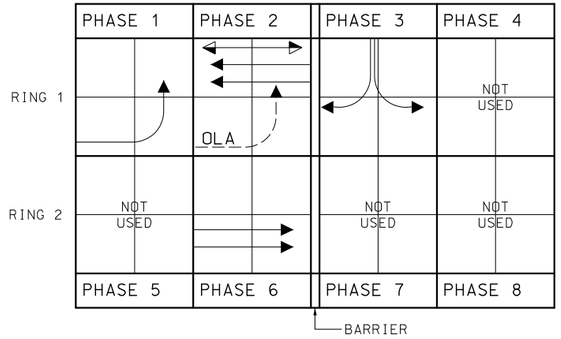
INTERSECTION

D-37D

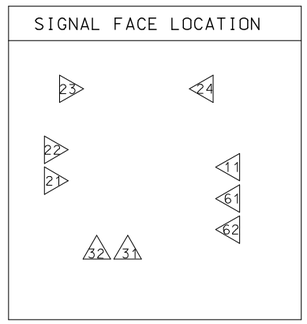
EFFECTIVE 12/01/2017

TRAFFIC PHASING AND COLOR SEQUENCE – ACTUATED CONTROLLERS

	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	OVERLAP A	OVERLAP B	OVERLAP C	OVERLAP D	PED Φ 2	PED Φ 4	PED Φ 6	PED Φ 8	
				NOT USED	NOT USED		NOT USED	NOT USED		NOT USED	NOT USED	NOT USED		NOT USED	NOT USED	NOT USED	
FACE NUMBERS	11	21 22	31 32			61 62			11				23 24				FACE NUMBERS
SIGNAL INDICATIONS R		R R	R			R R			RL				DW DW				R
SIGNAL INDICATIONS Y		Y Y	Y			Y Y			YL								Y
SIGNAL INDICATIONS FYA									FYL								FYA
SIGNAL INDICATIONS G	L	G G	L G			S S							W W				G
DETECTOR ASSIGNMENTS	11	21 22	31 32			61 62											DETECTOR ASSIGNMENTS
DETECTOR ASSIGNMENTS (PEDS. ONLY)													23 24				
OVERLAP PARENT PHASES									2								



RING STRUCTURE



IF CALLED, ALL NON-CONFLICTING PHASES SHALL COMBINE AND TIME CONCURRENTLY. TIME TO BE DETERMINED BY THE ENGINEER AT SIGNAL TURN ON AND SET IN THE CONTROLLER BY THE CONTRACTOR.

LEGEND

- ACTUATED VEHICULAR MOVEMENT
- PARTIALLY RESTRICTED ACTUATED VEHICULAR MOVEMENT
- NON-ACTUATED VEHICULAR MOVEMENT
- PARTIALLY RESTRICTED NON-ACTUATED VEHICULAR MOVEMENT
- ACTUATED PEDESTRIAN MOVEMENT
- NON-ACTUATED PEDESTRIAN MOVEMENT
- VEHICLE STOPPED
- FDW — FLASHING DON'T WALK
- W — WALK
- DW — DON'T WALK
- R/W — RIGHT OF WAY INTERVAL
- YR† — YELLOW RIGHT ARROW
- RT. — GREEN RIGHT ARROW
- LY –YL — YELLOW LEFT ARROW
- L — GREEN LEFT ARROW
- S — GREEN STRAIGHT AHEAD ARROW
- G — CIRCULAR GREEN
- Y — CIRCULAR YELLOW
- R — CIRCULAR RED
- RL — RED LEFT ARROW
- Ø — TRAFFIC PHASE
- AO — ALL OTHERS
- FR — FLASHING RED
- FY — FLASHING CIRCULAR YELLOW
- FYL — FLASHING YELLOW LEFT ARROW

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FLASHING OPERATION	
ALL	FR
CONTROLLER TYPE	NEMA 8Φ

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF MO ROUTE 366 WATSON ROAD

WITH JACOBS COAL ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED: 7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	387

COUNTY: ST. LOUIS

JOB NO.: J6S3582

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.:

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

SHEET 85 OF 95

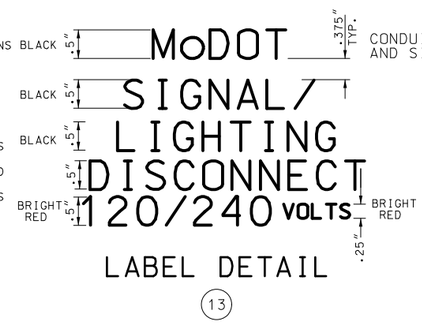
SIGNAL SHEET

MO ROUTE 366/
JACOBS COAL ROAD

D-38A

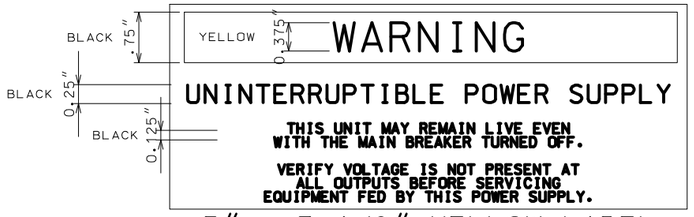
GENERAL NOTES:

1. ALTERNATE CABINET DIMENSIONS WILL BE ALLOWED AS APPROVED BY THE ENGINEER. INTERIOR CABINET VOLUME SHALL BE EQUAL TO OR GREATER THAN THAT SHOWN ON PLANS AND PROPER CLEARANCES SHALL BE PROVIDED FOR ALL EQUIPMENT. CONCRETE BASE DIMENSIONS SHALL BE MODIFIED TO FIT THE CABINET SUPPLIER.
2. PLACEMENT OF ALL ITEMS SHALL BE APPROVED BY THE ENGINEER.
3. SCHEMATIC DIAGRAM SHALL BE MOUNTED ON INSIDE OF CABINET DOOR.
4. THE UTILITY SHALL BE NOTIFIED IN WRITING 30 DAYS PRIOR TO DATE SERVICE WILL BE REQUIRED.
5. ALL CABINET OPENINGS SHALL BE COVERED AND SEALED WITH LIFETIME SILICONE CAULK.
6. ALL MATERIALS REQUIRED EXCLUDING REFERENCE ITEMS AS SHOWN ON THE DRAWING SHALL BE INCLUDED IN PRICE BID FOR 'PAD MOUNTED 120V/240V SIGNAL POWER SUPPLY AND LIGHTING CONTROLLER WITH UNINTERRUPTIBLE POWER SUPPLY.' CABLE AND CONDUIT FROM POWER SUPPLY ASSEMBLY TO UTILITY COMPANY FACILITIES SHALL BE INCLUDED IN THE BID PRICE.
7. REFER TO PLAN SHEET DETAIL TO DETERMINE IF A UTILITY POLE OR PEDESTAL WILL BE REQUIRED.
8. CABINET SHALL BE LOCATED WITH A MINIMUM 36" CLEARANCE, FRONT, BACK, AND SIDES.
9. SEE CABINET MANUFACTURER FOR MOUNTING BASE DIMENSIONS AND ANCHOR BOLT LOCATIONS.



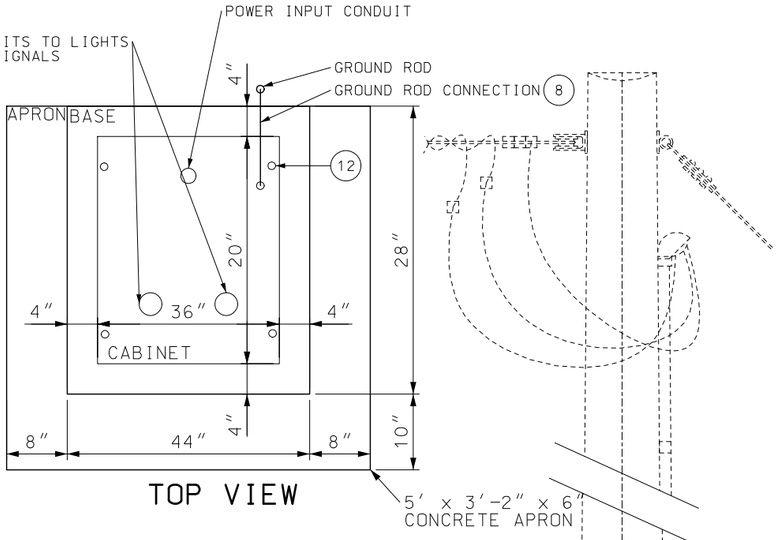
LABEL DETAIL

(13)



5" x 3 1/2" YELLOW LABEL

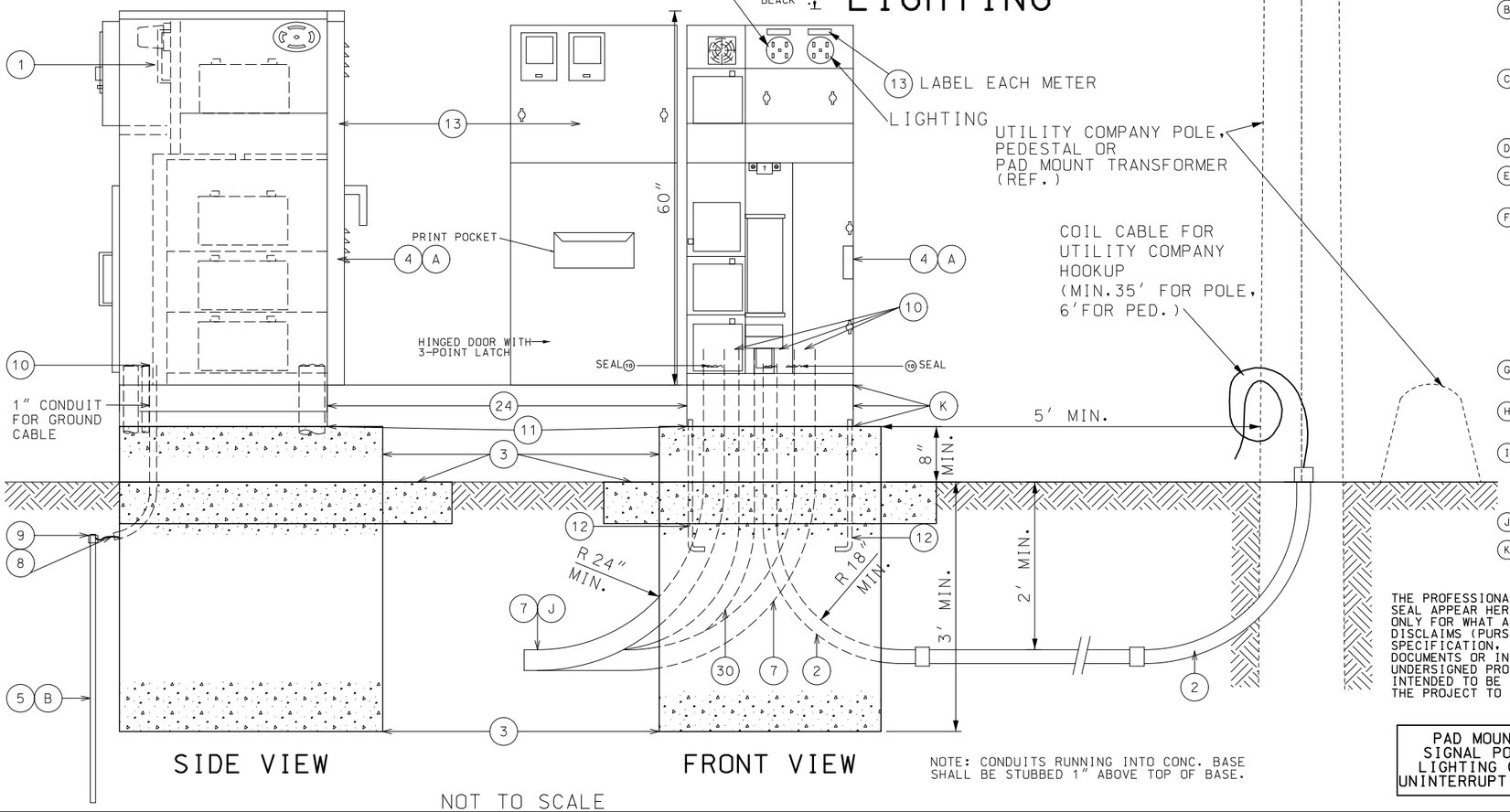
(UNDER SIGNAL METER ON LOWER DOOR)



TOP VIEW

LABEL DETAIL

BLACK .5"
BLACK .5"
SIGNAL
LIGHTING



SIDE VIEW

FRONT VIEW

NOTE: CONDUITS RUNNING INTO CONC. BASE SHALL BE STUBBED 1" ABOVE TOP OF BASE.

NOT TO SCALE

LIST OF MATERIALS	
ITEM	DESCRIPTION
1	METER SOCKET, 200 AMP, WITH LEVER TEST BYPASS
2	RIGID STEEL CONDUIT, 2" MIN. TO UTILITY CO. FACILITIES
3	CLASS B CONCRETE, 1.3 cu. yd. (MIN.)
4	NEMA 3R, DUST-TIGHT, WATERTIGHT CABINET
5	GROUND ROD, 3/4" DIA. x 8' MIN. (MIN. 8' IN SOIL)
6	PHOTOELECTRIC SWITCH AND SOCKET, 105/285 V., 1000 WATT
7	2" MIN. SCH 40 PVC CONDUIT (REF.)
8	#2 AWG MIN., 600 V., GROUND CABLE
9	EXOTHERMIC WELD WIRE TO ROD
10	PLIABLE SEALANT
11	LIFETIME SILICONE CAULK
12	ANCHOR BOLTS, 5/8-11 x 18" LONG BOLTS, HOT DIP GALVANIZED, 4 REQUIRED
13	WEATHERPROOF ADHESIVE LABEL, VINYL RAISED LETTERING (OR EQUIVALENT, SEE DETAIL)
14	INSULATED TERMINAL BLOCK
15	2-POLE, 20 AMP, 120V COIL LIGHTING CONTACTOR
16	2-POLE, 650 VOLT LIGHTNING ARRESTER
17	1-POLE, 15 AMP, TYPE B BREAKER TO PHOTOELECTRIC SWITCH
18	MANUAL-AUTO SWITCH
19	INSULATED GROUNDABLE NEUTRAL, 100 AMP
20	2-POLE, TYPE A MAIN BREAKER
21	2-POLE, 15 AMP (MIN), TYPE A BREAKERS TO LIGHTING CIRCUITS *
22	1-POLE, 15 AMP (MIN.), TYPE A BREAKER TO SIGNALS *
23	#2 AWG MIN., 600 V., POWER CABLE *
24	6" PEDESTAL RISER
25	12V GEL CELL BATTERIES IN SERIES (4 MINIMUM)
26	30A GENERATOR MALE BASE
27	INVERTER (1100VA MINIMUM)
28	1-POLE, 40 AMP, TYPE B UPS BREAKER
29	1-POLE, 15 AMP, TYPE B FAN BREAKER
30	1 1/2" CONDUIT OUT TO SIGNAL CABINET (CAT 5E AND CONTROL WIRING)
*	SEE PLANS FOR SIZE

NOTES

(A) CABINET WITH POWER SUPPLY SHALL BE ALUMINUM OR STAINLESS STEEL. ALL HARDWARE, HINGES, CATCHES, ETC. SHALL BE STAINLESS STEEL. METER SOCKET AND OTHER EQUIPMENT AND MATERIALS SHALL BE U.L. APPROVED AND CONFORM TO THE REQUIREMENTS OF THE UTILITY COMPANY OR MUNICIPALITY PROVIDING POWER.

(B) IF SUBSURFACE CONDITIONS EXIST WHICH PROHIBIT THE PLACEMENT OF THE GROUND ROD IN A VERTICAL POSITION, THE ROD MAY BE DRIVEN AT AN OBLIQUE ANGLE NOT TO EXCEED 45 DEGREES FROM VERTICAL OR BURIED IN A TRENCH AT LEAST 30 INCHES DEEP. CONNECTION TO GROUND ROD SHALL BE CAD WELDED.

(C) LIGHTING SYSTEM VOLTAGE AS SPECIFIED ON PLANS (120 OR 240 VOLTS). IF LIGHTS ARE TO BE MOUNTED ON SIGNAL POSTS, VOLTAGE MUST BE 120 VOLTS. 240 VOLT LIGHTS ARE NOT TO BE MOUNTED ON OR WIRED THROUGH SIGNAL POSTS, CONDUIT, OR PULL BOXES.

(D) LOCATE PHOTOELECTRIC SWITCH AT CENTER OF WINDOW.

(E) IF FOR REASONS OF VOLTAGE DROP A WIRE SIZE IS SPECIFIED LARGER THAN #2 AWG, A LARGER TERMINAL BLOCK SHALL BE INSTALLED FOR THAT CIRCUIT.

(F) BREAKER SIZING:

SIZE (AMPS)	240V TOTAL CIRCUIT LOAD (WATTS)	120V TOTAL CIRCUIT LOAD (WATTS)
15	0-2800	0-1390
20	2850-3700	1400-1850
25	3750-4600	1860-2320
30	4650-5500	2330-2780
35	5550-6500	-
40	6550-7400	-

CIRCUIT LOAD INCLUDES LOAD DUE TO LINE LOSS, LAMP, AND BALLAST LOAD.

(G) ALL CIRCUIT BREAKERS SHALL CONFORM TO SECTION 901.4 OF THE STANDARD SPECIFICATIONS.

(H) TAPE BATTERY TEMPERATURE SENSOR TO THE SIDE OF EITHER BATTERY #2 OR BATTERY #3. SENSOR SHOULD BE TO THE MIDDLE OF THE BATTERY BANK.

(I) UTILITY COMPANY SHALL DECIDE IF LIGHTNING ARRESTORS ARE TO BE CONNECTED ON THE LINE SIDE OR THE LOAD SIDE OF THE METER. THE UTILITY COMPANY SHALL ALSO DETERMINE WHERE THE LIGHTNING ARRESTOR SHALL BE MOUNTED.

(J) INCLUDE ADDITIONAL CONDUITS AS NECESSARY FOR AUXILIARY CIRCUITS.

(K) SEE CABINET MANUFACTURER FOR MOUNTING BASE DIMENSIONS AND ANCHOR BOLT LOCATIONS.

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PAD MOUNTED 120V/240V SIGNAL POWER SUPPLY AND LIGHTING CONTROLLER WITH UNINTERRUPTIBLE POWER SUPPLY

SHEET 86 OF 95

SIGNAL SHEET

DETAILS

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

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SL	388

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ST. LOUIS

JOB NO.
J6S3582

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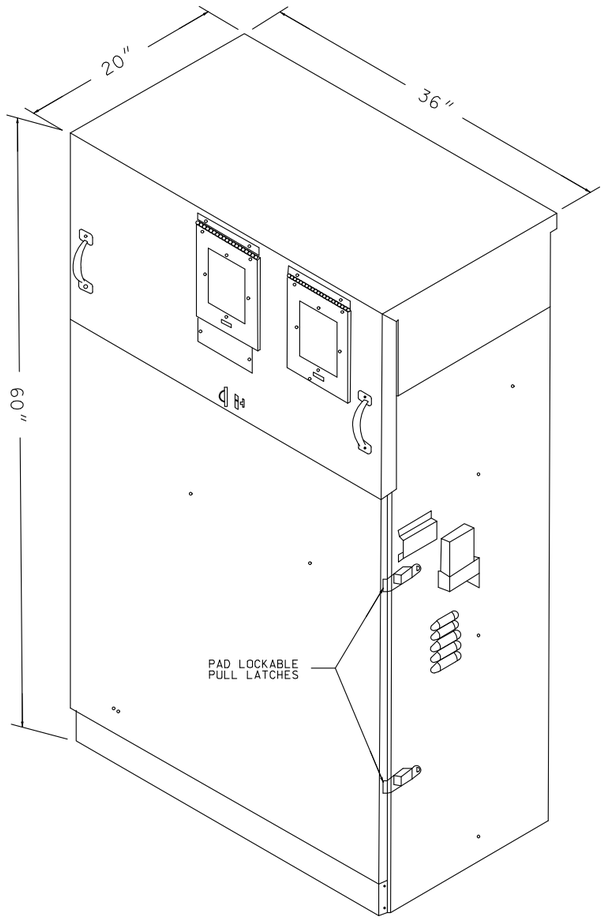
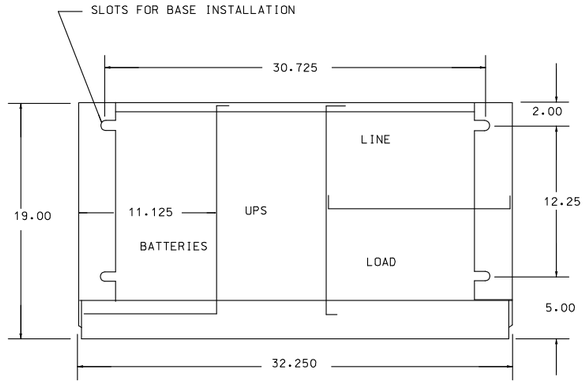
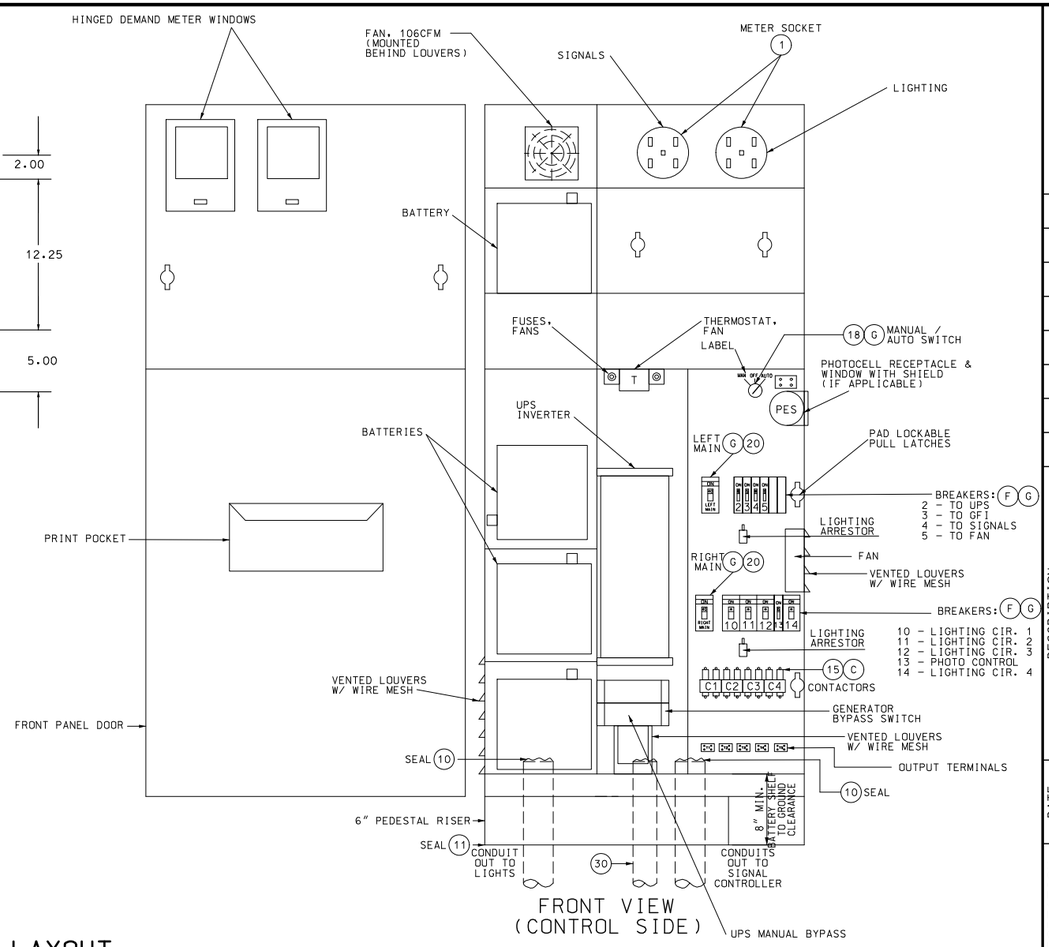




PEDESTAL PLAN VIEW

MOUNTING SLOT DETAIL

NOTE: WHERE SPACE PROVIDES, UPS SHALL HAVE ADDITIONAL LABELS DENOTING 'LIGHTING' CONTROLS



FRONT VIEW
(CONTROL SIDE)

NOTE: CONDUITS RUNNING INTO CONC. BASE SHALL BE STUBBED 1" ABOVE TOP OF BASE.

EQUIPMENT LAYOUT

NOT TO SCALE

LIST OF MATERIALS			
ITEM	DESCRIPTION		
1	METER SOCKET, 200 AMP, WITH LEVER TEST BYPASS		
2	RIGID STEEL CONDUIT, 2" MIN. TO UTILITY CO. FACILITIES		
3	CLASS B CONCRETE, 1.3 cu. yd. (MIN.)		
4	NEMA 3R, DUST-TIGHT, WATERTIGHT CABINET		
5	GROUND ROD, 3/4" DIA. x 8' MIN. (MIN. 8' IN SOIL)		
6	PHOTOELECTRIC SWITCH AND SOCKET, 105/285 V., 1000 WATT		
7	2" MIN. SCH 40 PVC CONDUIT (REF.)		
8	#2 AWG MIN., 600 V., GROUND CABLE		
9	EXOTHERMIC WELD WIRE TO ROD		
10	PLIABLE SEALANT		
11	LIFETIME SILICONE CAULK		
12	ANCHOR BOLTS, 5/8-11 x 18" LONG BOLTS, HOT DIP GALVANIZED, 4 REQUIRED		
13	WEATHERPROOF ADHESIVE LABEL, VINYL RAISED LETTERING (OR EQUIVALENT, SEE DETAIL)		
14	INSULATED TERMINAL BLOCK		
15	2-POLE, 20 AMP, 120V COIL LIGHTING CONTACTOR		
16	2-POLE, 650 VOLT LIGHTNING ARRESTER		
17	1-POLE, 15 AMP, TYPE B BREAKER TO PHOTOELECTRIC SWITCH		
18	MANUAL-AUTO SWITCH		
19	INSULATED GROUNDABLE NEUTRAL, 100 AMP		
20	2-POLE, TYPE A MAIN BREAKER	26	30A GENERATOR MALE BASE
21	2-POLE, 15 AMP (MIN), TYPE A BREAKERS TO LIGHTING CIRCUITS *	27	INVERTER (1100VA MINIMUM)
22	1-POLE, 15 AMP (MIN.), TYPE A BREAKER TO SIGNALS *	28	1-POLE, 40 AMP, TYPE B UPS BREAKER
23	#2 AWG MIN., 600 V., POWER CABLE *	29	1-POLE, 15 AMP, TYPE B FAN BREAKER
24	6" PEDESTAL RISER	30	1 ½" CONDUIT OUT TO SIGNAL CABINET (CAT 5E AND CONTROL WIRING)
25	12V GEL CELL BATTERIES IN SERIES (4 MINIMUM)	*	SEE PLANS FOR SIZE

NOTES

(A) CABINET WITH POWER SUPPLY SHALL BE ALUMINUM OR STAINLESS STEEL. ALL HARDWARE, HINGES, CATCHES, ETC. SHALL BE STAINLESS STEEL. METER SOCKET AND OTHER EQUIPMENT AND MATERIALS SHALL BE U.L. APPROVED AND CONFORM TO THE REQUIREMENTS OF THE UTILITY COMPANY OR MUNICIPALITY PROVIDING POWER.

(B) IF SUBSURFACE CONDITIONS EXIST WHICH PROHIBIT THE PLACEMENT OF THE GROUND ROD IN A VERTICAL POSITION, THE ROD MAY BE DRIVEN AT AN OBLIQUE ANGLE NOT TO EXCEED 45 DEGREES FROM VERTICAL OR BURIED IN A TRENCH AT LEAST 30 INCHES DEEP. CONNECTION TO GROUND ROD SHALL BE CAD WELDED.

(C) LIGHTING SYSTEM VOLTAGE AS SPECIFIED ON PLANS (120 OR 240 VOLTS). IF LIGHTS ARE TO BE MOUNTED ON SIGNAL POSTS, VOLTAGE MUST BE 120 VOLTS. 240 VOLT LIGHTS ARE NOT TO BE MOUNTED ON OR WIRED THROUGH SIGNAL POSTS, CONDUIT, OR PULL BOXES.

(D) LOCATE PHOTOELECTRIC SWITCH AT CENTER OF WINDOW.

(E) IF FOR REASONS OF VOLTAGE DROP A WIRE SIZE IS SPECIFIED LARGER THAN #2 AWG, A LARGER TERMINAL BLOCK SHALL BE INSTALLED FOR THAT CIRCUIT.

(F) BREAKER SIZING:

SIZE (AMPS)	240V TOTAL CIRCUIT LOAD (WATTS)	120V TOTAL CIRCUIT LOAD (WATTS)
15	0-2800	0-1390
20	2850-3700	1400-1850
25	3750-4600	1860-2320
30	4650-5500	2330-2780
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40	6550-7400	-

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PAD MOUNTED 120V/240V SIGNAL POWER SUPPLY AND LIGHTING CONTROLLER WITH UNINTERRUPTIBLE POWER SUPPLY

SIGNAL SHEET

DETAILS

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
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SL	389

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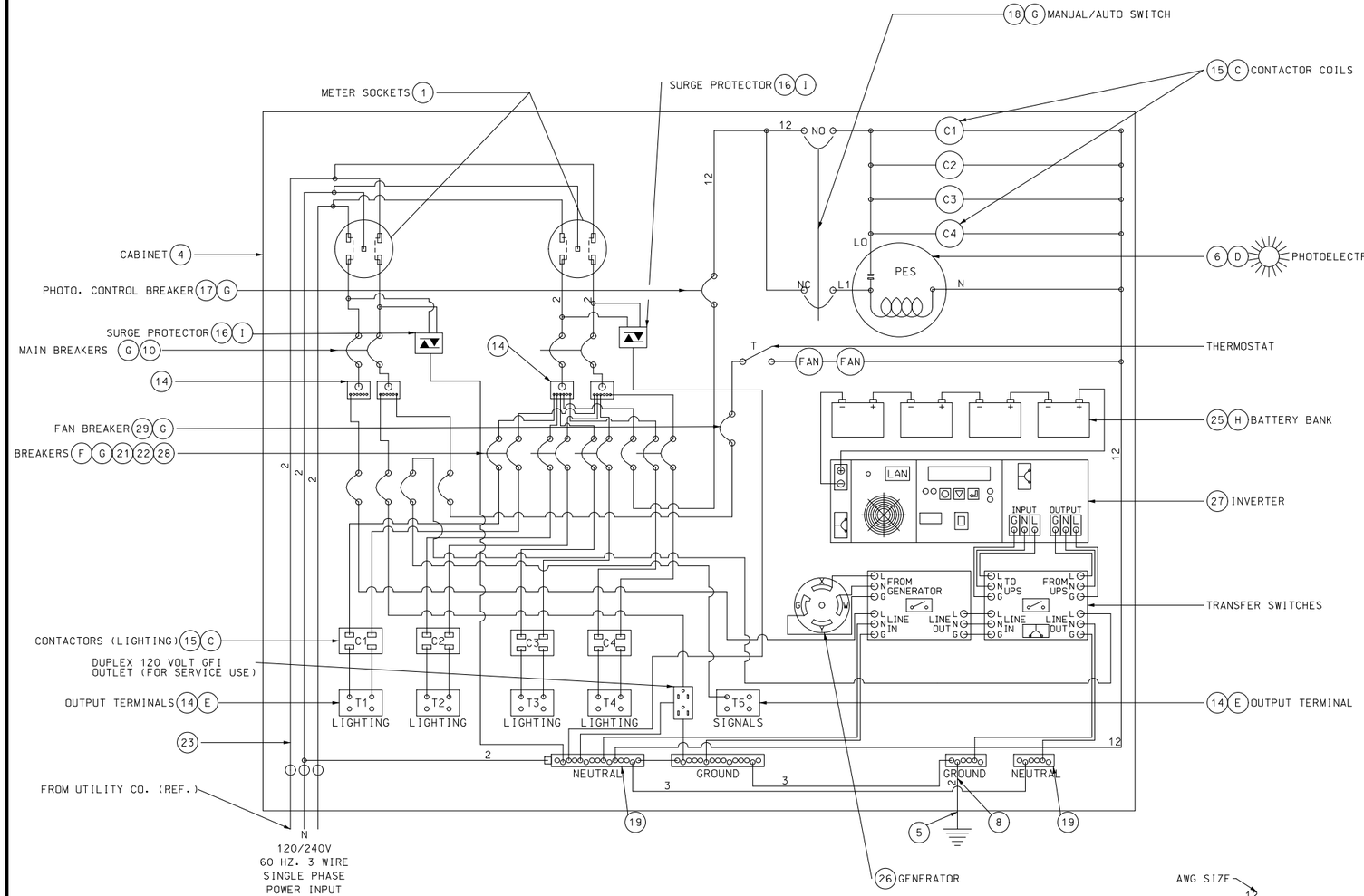
REV.



WIRING DIAGRAM

LIST OF MATERIALS	
ITEM	DESCRIPTION
1	METER SOCKET, 200 AMP, WITH LEVER TEST BYPASS
2	RIGID STEEL CONDUIT, 2" MIN. TO UTILITY CO. FACILITIES
3	CLASS B CONCRETE, 1.3 cu. yd. (MIN.)
4	NEMA 3R, DUST-TIGHT, WATERTIGHT CABINET
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14	INSULATED TERMINAL BLOCK
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28	1-POLE, 40 AMP, TYPE B UPS BREAKER
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30	1 ½" CONDUIT OUT TO SIGNAL CABINET (CAT 5E AND CONTROL WIRING)
*	SEE PLANS FOR SIZE

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(C) LIGHTING SYSTEM VOLTAGE AS SPECIFIED ON PLANS (120 OR 240 VOLTS). IF LIGHTS ARE TO BE MOUNTED ON SIGNAL POSTS, VOLTAGE MUST BE 120 VOLTS. 240 VOLT LIGHTS ARE NOT TO BE MOUNTED ON OR WIRED THROUGH SIGNAL POSTS, CONDUIT, OR PULL BOXES.

(D) LOCATE PHOTOELECTRIC SWITCH AT CENTER OF WINDOW.

(E) IF FOR REASONS OF VOLTAGE DROP A WIRE SIZE IS SPECIFIED LARGER THAN #2 AWG, A LARGER TERMINAL BLOCK SHALL BE INSTALLED FOR THAT CIRCUIT.

(F) BREAKER SIZING:

SIZE (AMPS)	240V TOTAL CIRCUIT LOAD (WATTS)	120V TOTAL CIRCUIT LOAD (WATTS)
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20	2850-3700	1400-1850
25	3750-4600	1860-2320
30	4650-5500	2330-2780
35	5550-6500	-
40	6550-7400	-

CIRCUIT LOAD INCLUDES LOAD DUE TO LINE LOSS, LAMP, AND BALLAST LOAD.

(G) ALL CIRCUIT BREAKERS SHALL CONFORM TO SECTION 901.4 OF THE STANDARD SPECIFICATIONS.

(H) TAPE BATTERY TEMPERATURE SENSOR TO THE SIDE OF EITHER BATTERY #2 OR BATTERY #3. SENSOR SHOULD BE TO THE MIDDLE OF THE BATTERY BANK.

(I) UTILITY COMPANY SHALL DECIDE IF LIGHTNING ARRESTORS ARE TO BE CONNECTED ON THE LINE SIDE OR THE LOAD SIDE OF THE METER. THE UTILITY COMPANY SHALL ALSO DETERMINE WHERE THE LIGHTNING ARRESTOR SHALL BE MOUNTED.

(J) INCLUDE ADDITIONAL CONDUITS AS NECESSARY FOR AUXILIARY CIRCUITS.

(K) SEE CABINET MANUFACTURER FOR MOUNTING BASE DIMENSIONS AND ANCHOR BOLT LOCATIONS.

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PAD MOUNTED 120V/240V SIGNAL POWER SUPPLY AND LIGHTING CONTROLLER WITH UNINTERRUPTIBLE POWER SUPPLY

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	390

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
CRAWFORD, MURPHY & TILLY, INC.
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SHEET 88 OF 95

SIGNAL SHEET

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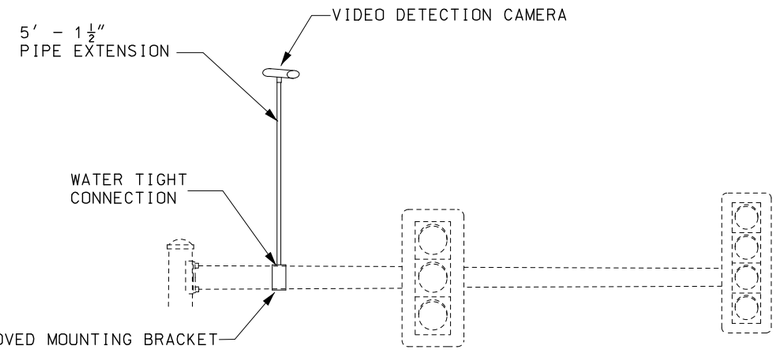
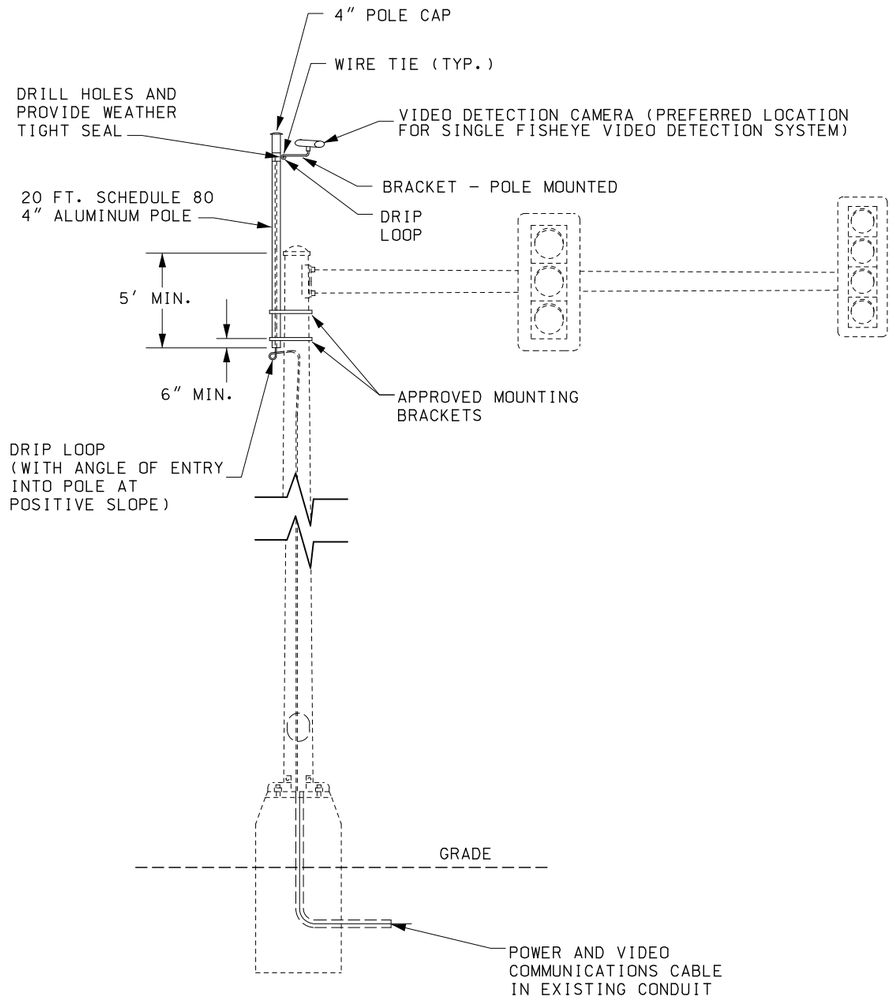


CAMERAS SHALL BE AS CLOSE AS POSSIBLE TO CENTER OF SIGNALIZED APPROACH



STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED	
7/25/2024	
MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	391
COUNTY	
ST. LOUIS	
JOB NO.	
J6S3582	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

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REV.	DESCRIPTION	DATE

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SHEET 89 OF 95

SIGNAL SHEET

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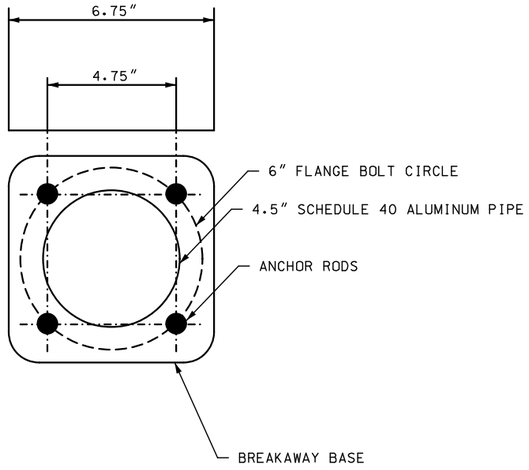
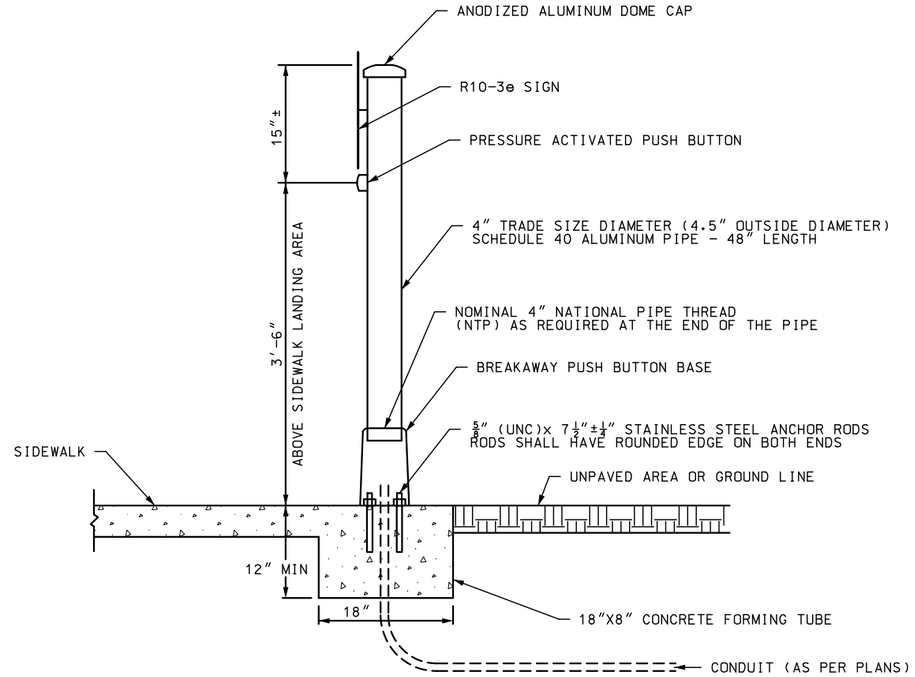


ANCHOR ROD PLACEMENT



PUSH BUTTON STANCHION

NOTES:

- THE PUSH BUTTON STANCHION FOUNDATION IS CONSTRUCTED AS PART OF THE SIDEWALK. INCREASE THE SIDEWALK THICKNESS TO 12″ (MIN.) TO PROVIDE FOR THE PUSH BUTTON STANCHION FOUNDATION.
- INSTALLATION OF THE PUSH BUTTON STANCHION SHALL BE PER MANUFACTURER'S REQUIREMENTS.
- CABLES SHALL HAVE A SLIT-FIT CONNECTION IN THE PEDESTAL THAT WILL DETACH IN THE EVENT THE POLE IS STRUCK.

NOT TO SCALE

STATE OF MISSOURI
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NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED 7/25/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 392
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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SHEET 90 OF 95
SIGNAL SHEET
DETAILS

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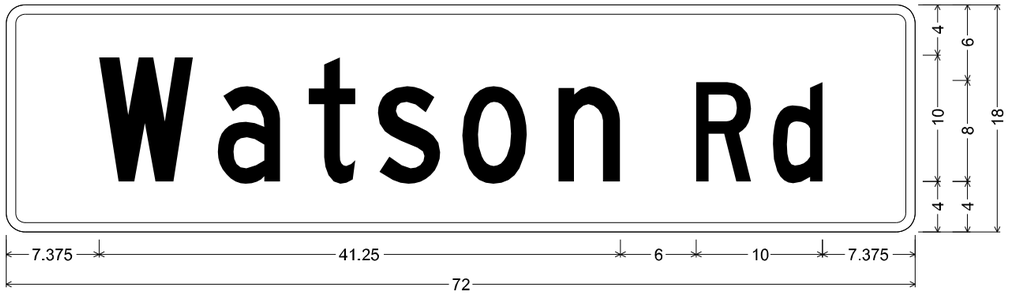
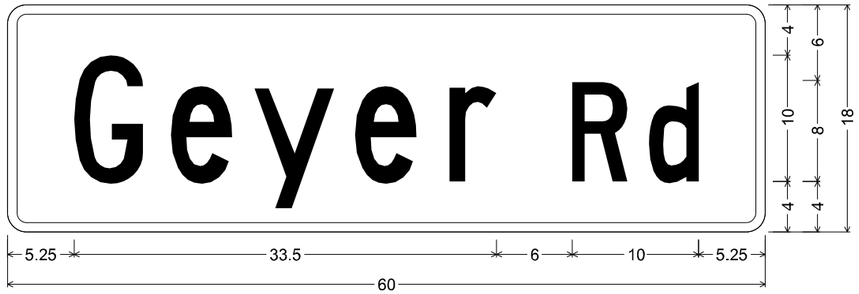


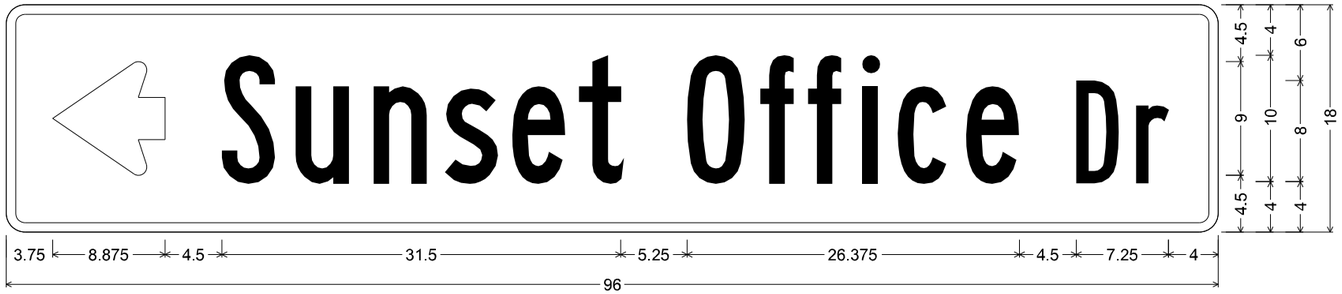
D3-1 SH-FLAT SHEET;
1.500" Radius, 0.750" Border, White on, Green;
"Watson", C; "Rd", C;
Table of letter and object lefts

W	a	t	s	o	n	R	d
7.375	16.750	24.000	29.500	36.125	43.750	54.625	60.750



D3-1 SH-FLAT SHEET;
1.500" Radius, 0.750" Border, White on, Green;
"Geyer", C; "Rd", C;
Table of letter and object lefts

G	e	y	e	r	R	d
5.250	12.875	19.500	27.500	35.000	44.750	50.750



D3-1 SH-FLAT SHEET;
1.500" Radius, 0.750" Border, White on, Green;
"Sunset Office", B 70% spacing; "Dr", B 70% spacing;
Table of letter and object lefts

◁	S	u	n	s	e	t	O	f	f	i	c	e	D	r
3.750	17.125	22.875	29.125	34.750	40.125	45.375	53.875	59.750	63.500	67.750	70.625	76.000	84.750	89.500



D3-1 SH-FLAT SHEET;
1.500" Radius, 0.750" Border, White on, Green;
"Sunset Office", B 70% spacing; "Dr", B 70% spacing;
Table of letter and object lefts

S	u	n	s	e	t	O	f	f	i	c	e	D	r	▷
4.500	10.250	16.500	22.125	27.500	32.750	41.250	47.125	50.875	55.125	58.000	63.375	72.125	76.875	83.375

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	393

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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JEFFERSON CITY, MO 65102
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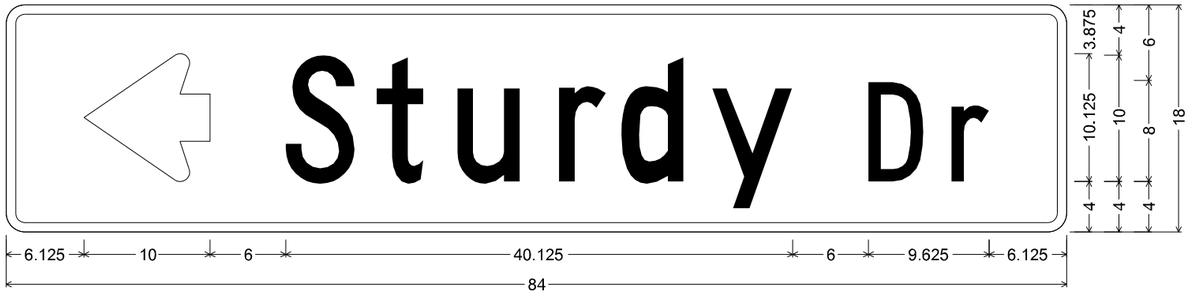
SHEET 91 OF 95

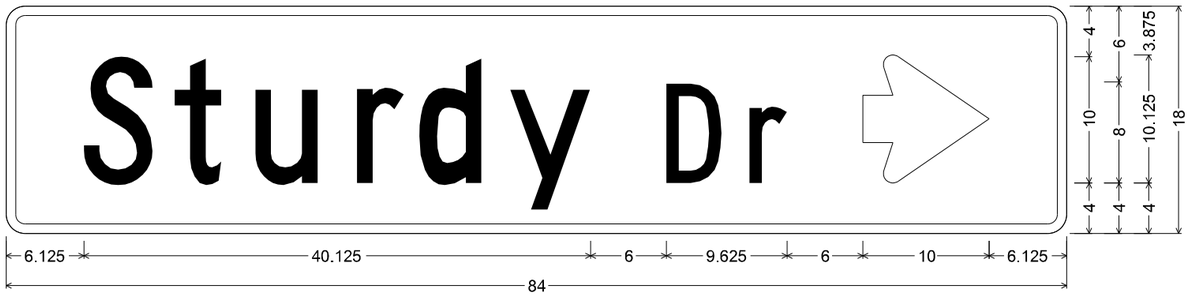
SIGNAL SHEET

SIGN DETAILS



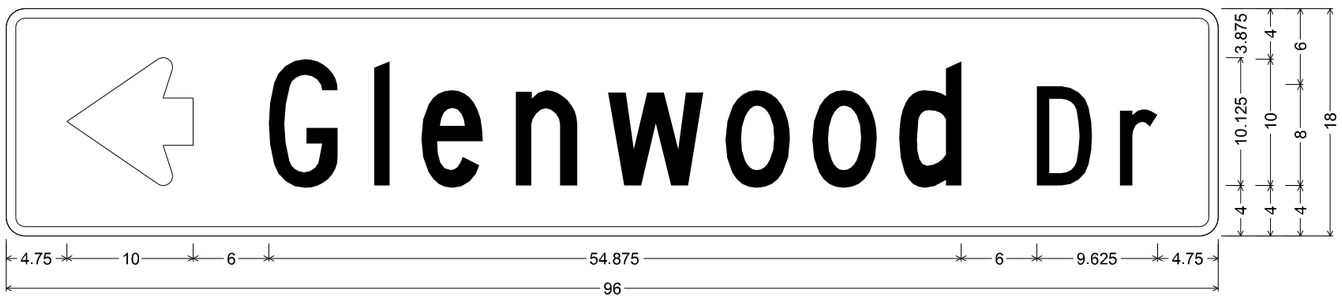
D3-1 SH-FLAT SHEET;
1.500" Radius, 0.750" Border, White on, Green;
Standard Arrow Custom 10.000" X 10.125" 180'; "Sturdy", C; "Dr", C;
Table of letter and object lefts

⇦	S	t	u	r	d	y	D	r
6.125	22.125	29.375	35.750	43.750	48.750	55.875	68.250	74.875



D3-1 SH-FLAT SHEET;
1.500" Radius, 0.750" Border, White on, Green;
"Sturdy", C; "Dr", C; Standard Arrow Custom 10.000" X 10.125" 0';
Table of letter and object lefts

S	t	u	r	d	y	D	r	⇨
6.125	13.375	19.750	27.750	32.750	39.875	52.250	58.875	67.875



D3-1 SH-FLAT SHEET;
1.500" Radius, 0.750" Border, White on, Green;
Standard Arrow Custom 10.000" X 10.125" 180'; "Glenwood", C; "Dr", C;
Table of letter and object lefts

⇦	G	l	e	n	w	o	o	d	D	r
4.750	20.750	29.000	32.875	40.375	47.625	57.000	63.875	70.750	81.625	88.250

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	394

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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JEFFERSON CITY, MO 65102
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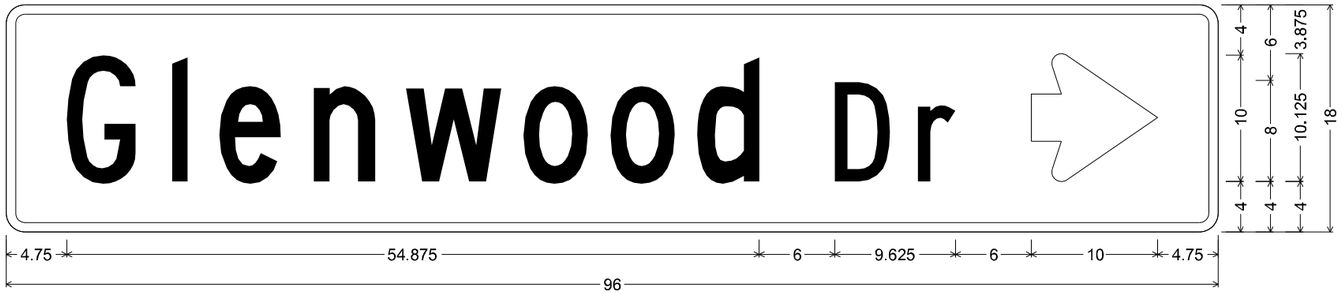
SHEET 92 OF 95

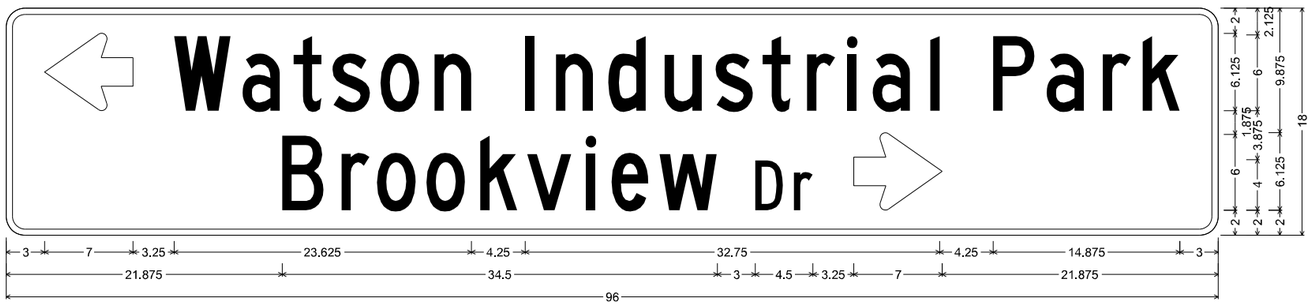
SIGNAL SHEET

SIGN DETAILS



D3-1 SH-FLAT SHEET;
1.500" Radius, 0.750" Border, White on, Green;
"Glenwood", C; "Dr", C; Standard Arrow Custom 10.000" X 10.125" 0';
Table of letter and object lefts

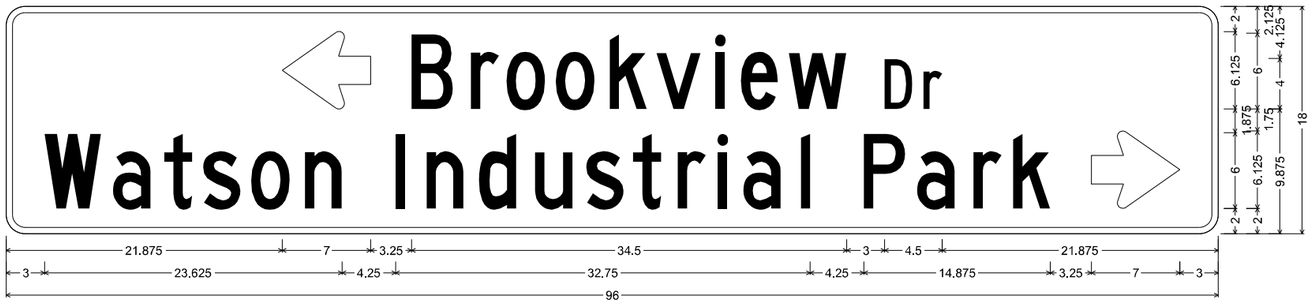
G	l	e	n	w	o	o	d	D	r	⇨
4.750	13.000	16.875	24.375	31.625	41.000	47.875	54.750	65.625	72.250	81.250



D3-1b SH-FLAT SHEET;
1.500" Radius, 0.500" Border, White on, Green;
Standard Arrow Custom 7.000" X 6.125" 180'; "Watson Industrial Park", C 80% spacing; "Brookview", C 80% spacing; "Dr", C 80% spacing; Standard Arrow Custom 7.000" X 6.125" 0';
Table of letter and object lefts

⇦	W	a	t	s	o	n	l	n	d	u	s	t	r	l	a	l	P	a	r	k
3.000	13.250	18.750	22.750	25.875	29.625	33.875	41.125	43.500	47.750	52.125	56.250	59.875	63.375	66.625	68.625	73.125	78.125	82.375	86.875	90.000

B	r	o	o	k	v	i	e	w	D	r	⇨
21.875	26.500	29.375	33.250	37.500	41.250	45.875	48.000	51.750	59.375	62.375	67.125



D3-1b SH-FLAT SHEET;
1.500" Radius, 0.500" Border, White on, Green;
Standard Arrow Custom 7.000" X 6.125" 180'; "Brookview", C 80% spacing; "Dr", C 80% spacing; "Watson Industrial Park", C 80% spacing; Standard Arrow Custom 7.000" X 6.125" 0';
Table of letter and object lefts

⇦	B	r	o	o	k	v	i	e	w	D	r
21.875	32.125	36.750	39.625	43.500	47.750	51.500	56.125	58.250	62.000	69.625	72.625

W	a	t	s	o	n	l	n	d	u	s	t	r	l	a	l	P	a	r	k	⇨
3.000	8.500	12.500	15.625	19.375	23.625	30.875	33.250	37.500	41.875	46.000	49.625	53.125	56.375	58.375	62.875	67.875	72.125	76.625	79.750	86.000

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CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	395

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
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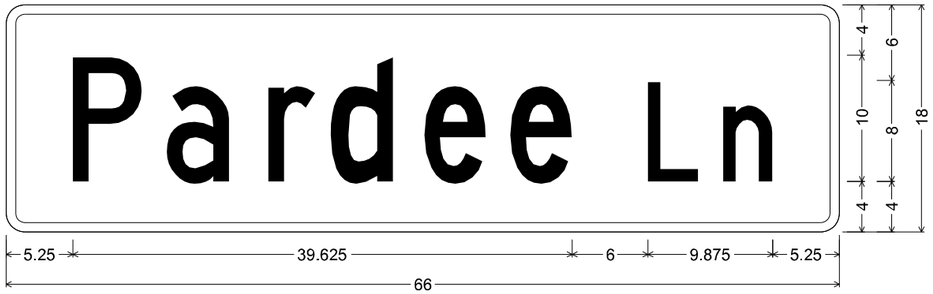
SHEET 93 OF 95

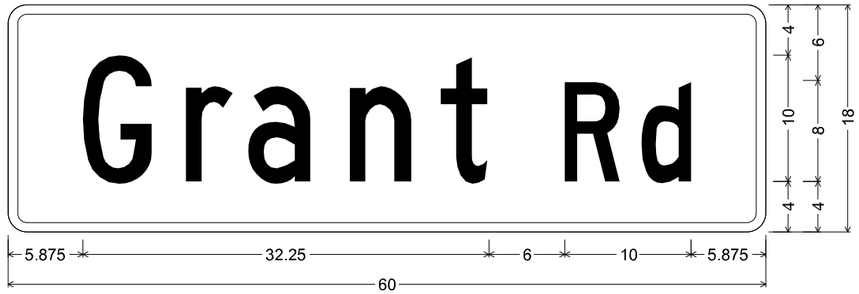
SIGNAL SHEET

SIGN DETAILS



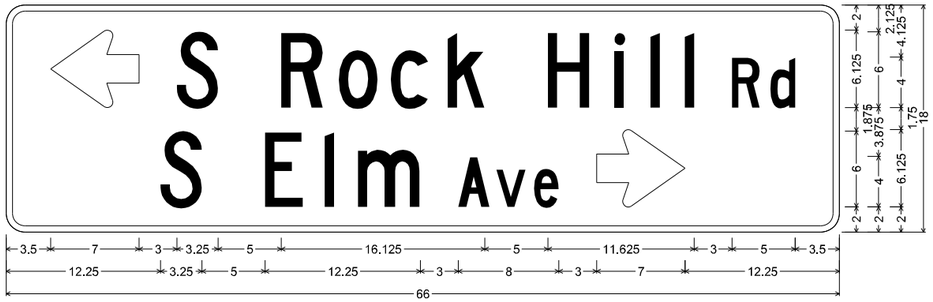
D3-1 SH-FLAT SHEET;
1.500" Radius, 0.750" Border, White on, Green;
"Pardee", C; "Ln", C;
Table of letter and object lefts

P	a	r	d	e	e	L	n
5.250	12.750	20.750	25.750	33.125	39.875	50.875	56.750



D3-1 SH-FLAT SHEET;
1.500" Radius, 0.750" Border, White on, Green;
"Grant", C; "Rd", C;
Table of letter and object lefts

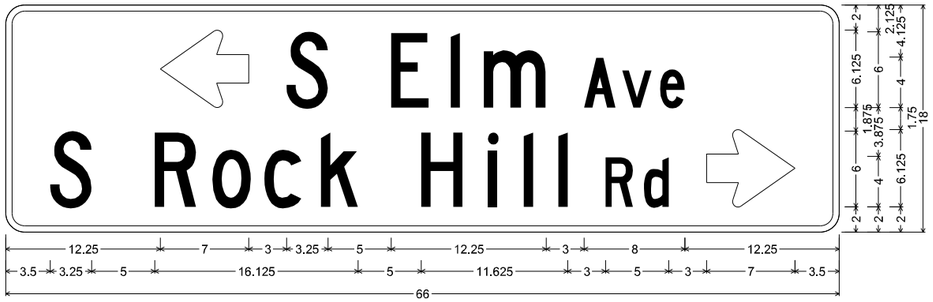
G	r	a	n	t	R	d
5.875	14.125	19.000	27.125	34.250	44.125	50.125



D3-1b SH-FLAT SHEET;
1.500" Radius, 0.500" Border, White on, Green;
Standard Arrow Custom 7.000" X 6.125" 180'; "S Rock Hill", C; "Rd", C; "S Elm", C; "Ave", C;
Standard Arrow Custom 7.000" X 6.125" 0';
Table of letter and object lefts

⇦	S	R	o	c	k	H	i	l	l	R	d
3.500	13.500	21.750	26.375	30.500	35.000	42.875	48.125	50.875	53.625	57.500	60.500

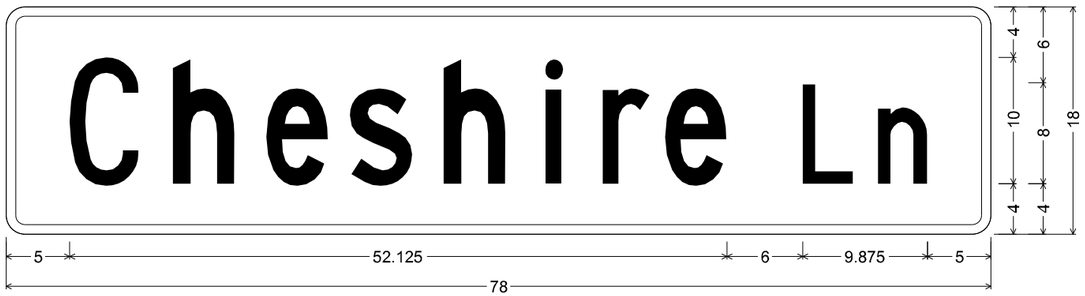
S	E	l	m	A	v	e	⇨
12.250	20.500	25.125	27.875	35.750	38.875	41.875	46.750



D3-1b SH-FLAT SHEET;
1.500" Radius, 0.500" Border, White on, Green;
Standard Arrow Custom 7.000" X 6.125" 180'; "S Elm", C; "Ave", C; "S Rock Hill", C; "Rd", C;
Standard Arrow Custom 7.000" X 6.125" 0';
Table of letter and object lefts

⇦	S	E	l	m	A	v	e
12.250	22.250	30.500	35.125	37.875	45.750	48.875	51.875

S	R	o	c	k	H	i	l	l	R	d	⇨
3.500	11.750	16.375	20.500	25.000	32.875	38.125	40.875	43.625	47.500	50.500	55.500



D3-1 SH-FLAT SHEET;
1.500" Radius, 0.750" Border, White on, Green;
"Cheshire", C; "Ln", C;
Table of letter and object lefts

C	h	e	s	h	i	r	e	L	n
5.000	13.250	20.625	27.250	34.625	42.750	47.250	52.125	63.125	69.000

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SHEET 94 OF 95

SIGNAL SHEET

SIGN DETAILS

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	396

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

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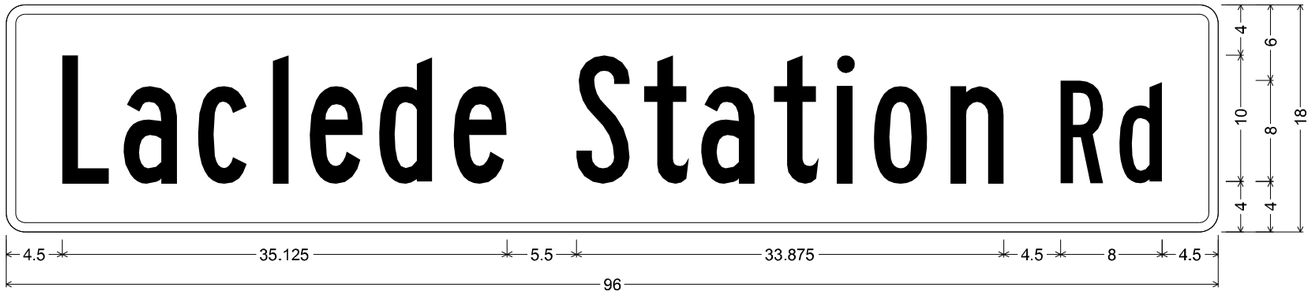
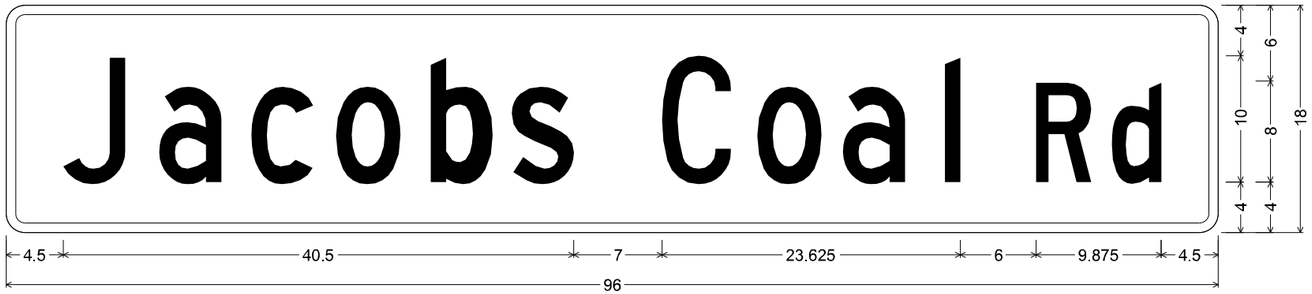
REV.



D3-1 SH-FLAT SHEET;
1.500" Radius, 0.750" Border, White on, Green;
"Laclede Station", B 75% spacing; "Rd", B 85% spacing;
Table of letter and object lefts

L	a	c	l	e	d	e	S	t	a	t	i	o	n	R	d
4.500	9.250	15.250	21.125	24.000	29.500	35.500	45.125	50.500	55.000	60.750	65.750	68.750	74.750	83.500	88.125



D3-1 SH-FLAT SHEET;
1.500" Radius, 0.750" Border, White on, Green;
"Jacobs Coal", C 95% spacing; "Rd", C 95% spacing;
Table of letter and object lefts

J	a	c	o	b	s	C	o	a	l	R	d
4.500	12.125	19.375	26.125	33.625	40.000	52.000	59.500	66.250	74.125	81.625	87.625

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	397

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
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ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

SHEET 95 OF 95

SIGNAL SHEET

SIGN DETAILS

SCALE

0 40 80 120

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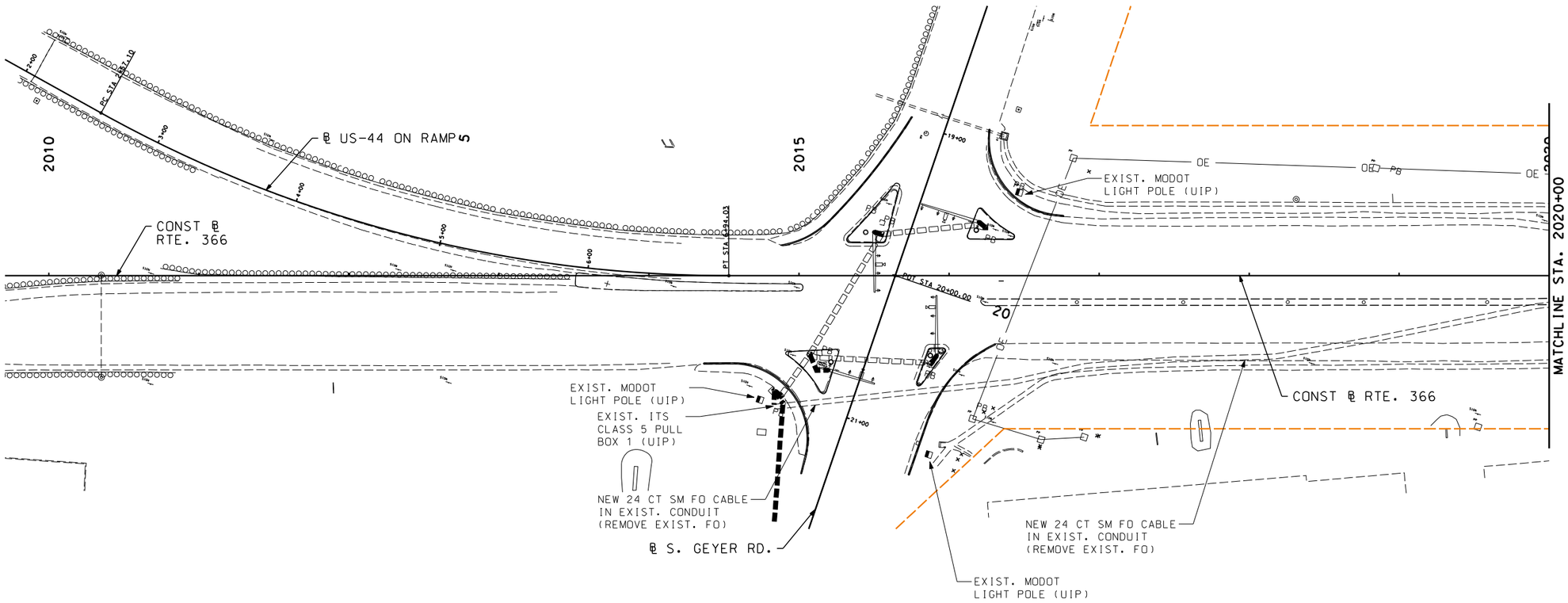


SHEET 1 OF 45

LIGHTING AND ITS SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
JASON LAWRENCE C. JARQUIO NUMEIER
PE-2021011939
PROFESSIONAL ENGINEER

07/26/2024 3:22:34 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	398

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

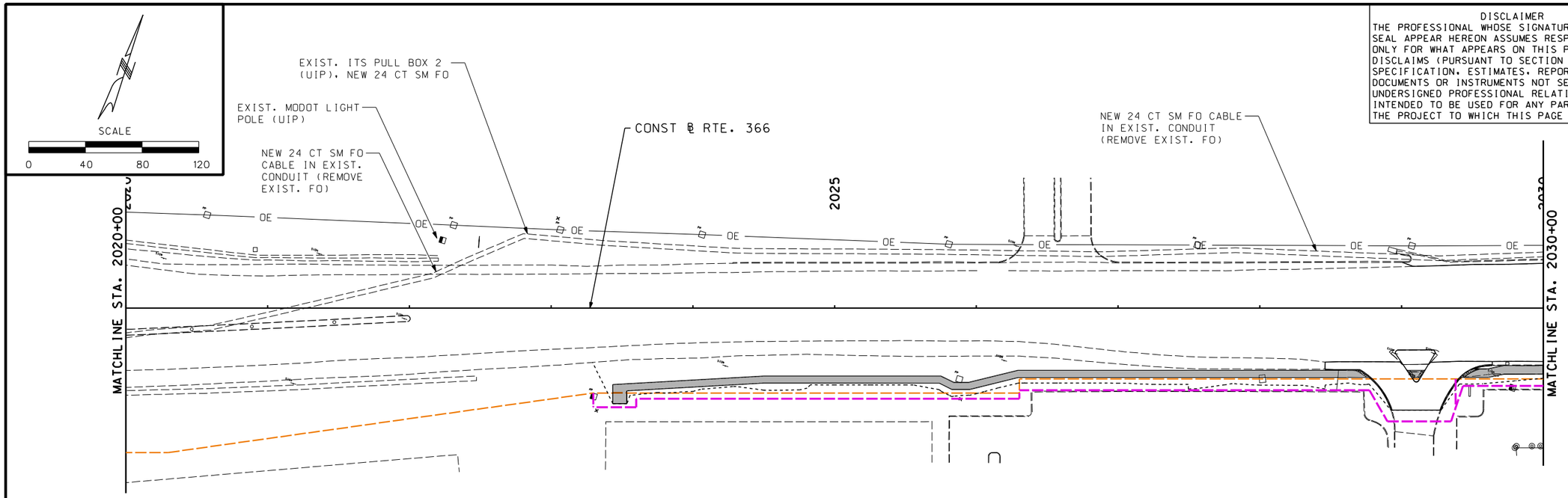
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

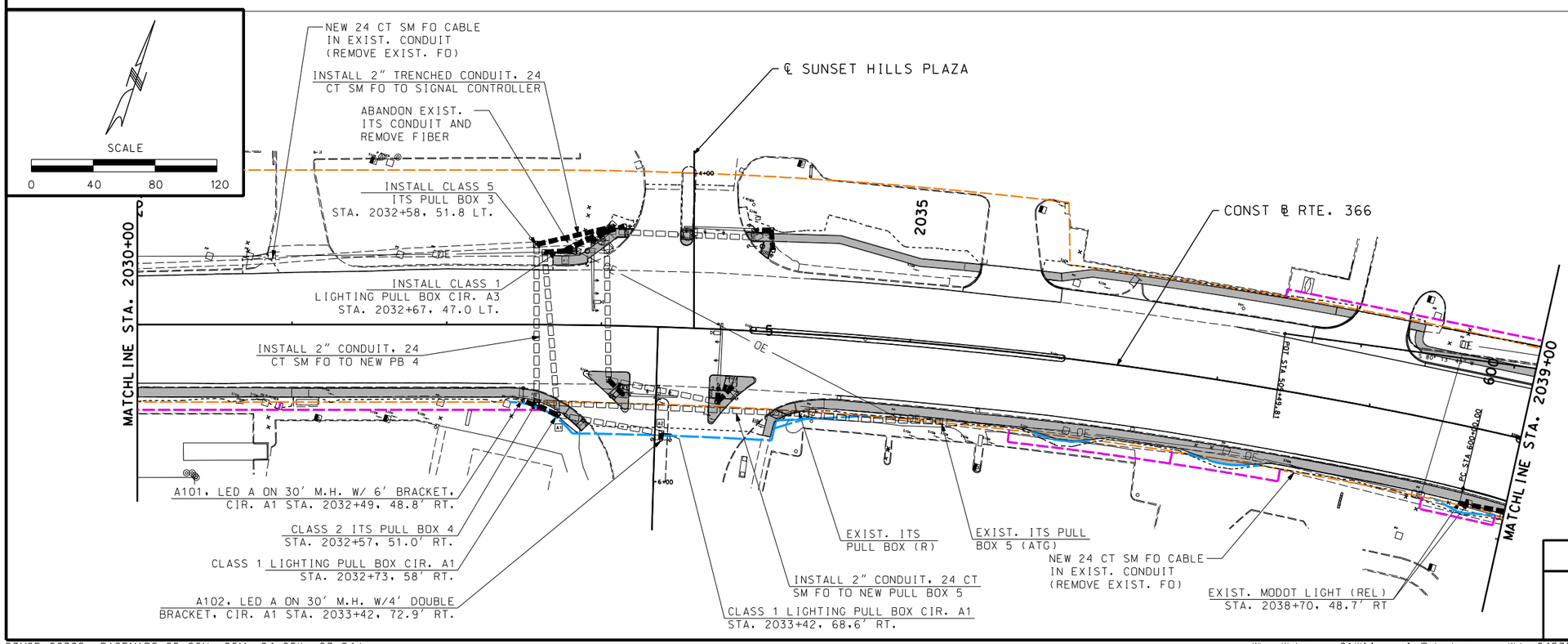
GBA
16305 Swingley Ridge Dr., Ste 300
Chesterfield, Missouri 63017
636.240.2444
www.gbateam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

JASON L. JARQUIO
PROFESSIONAL ENGINEER
PE-2021011939

REV.





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STATE OF MISSOURI
JASON LAWRENCE C. JARQUIO
NUMBER PE-2021011939
PROFESSIONAL ENGINEER

09/05/2024 5:11:08 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	399

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr., Ste 300
Chesterfield, Missouri 63017
636.240.2444
www.gbateam.com
GEORGE BUTLER ASSOCIATES, INC.
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PRO. LAND SURVEYOR 000059

JASON L. JARQUIO
PROFESSIONAL ENGINEER
PE-2021011939

SHEET 2 OF 45

LIGHTING AND ITS SHEET

ROUTE 366
WATSON ROAD

SCALE

0 40 80 120

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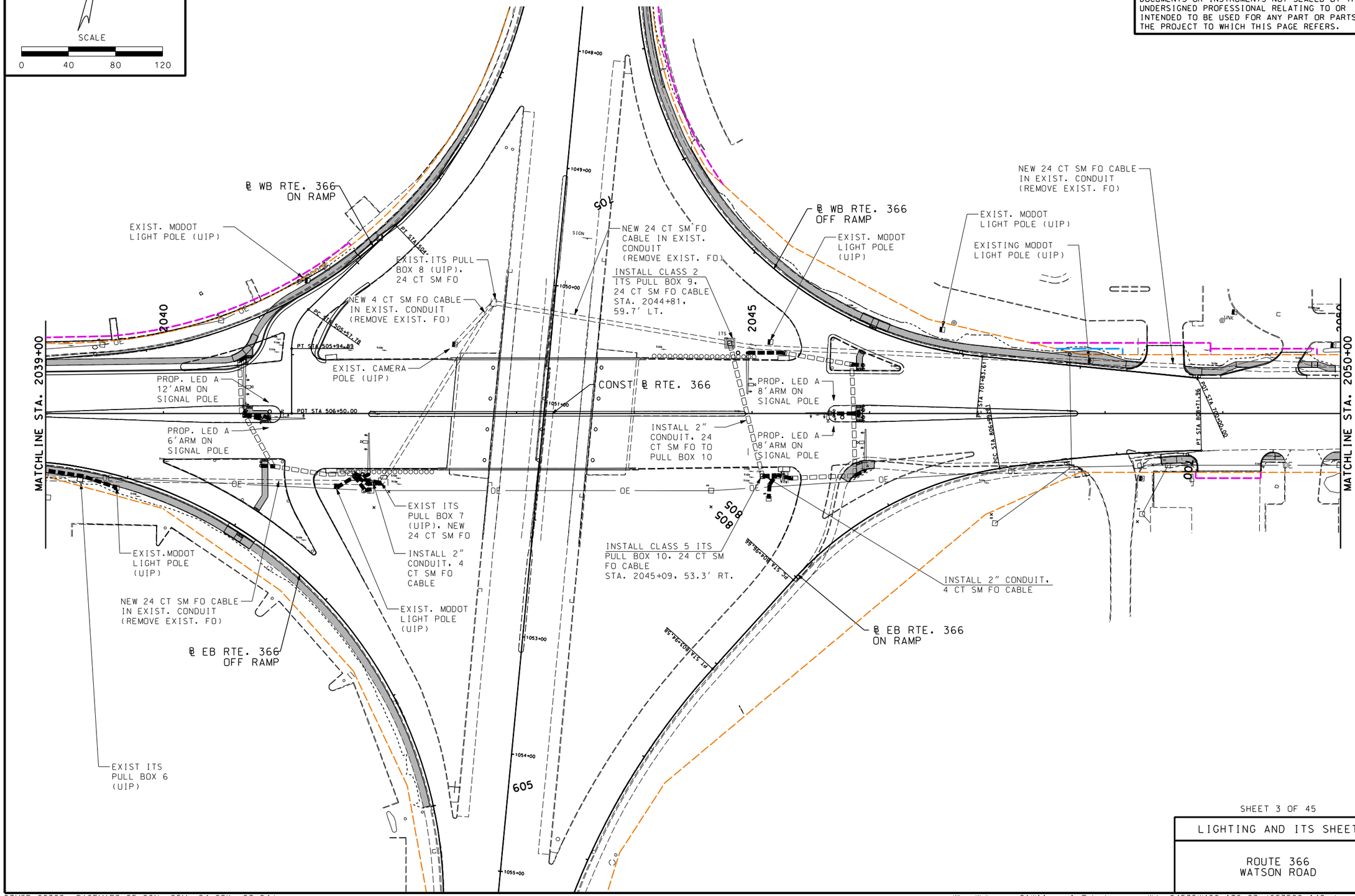

SHEET 3 OF 45

LIGHTING AND ITS SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
JASON LAWRENCE C. JARQUIO NUMBER PE-2021011939
PROFESSIONAL ENGINEER

09/05/2024 5:11:09 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	400

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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Chesterfield, Missouri 63017
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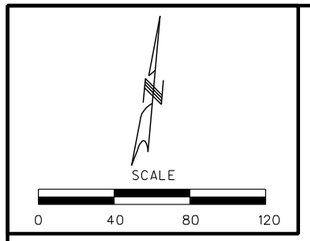
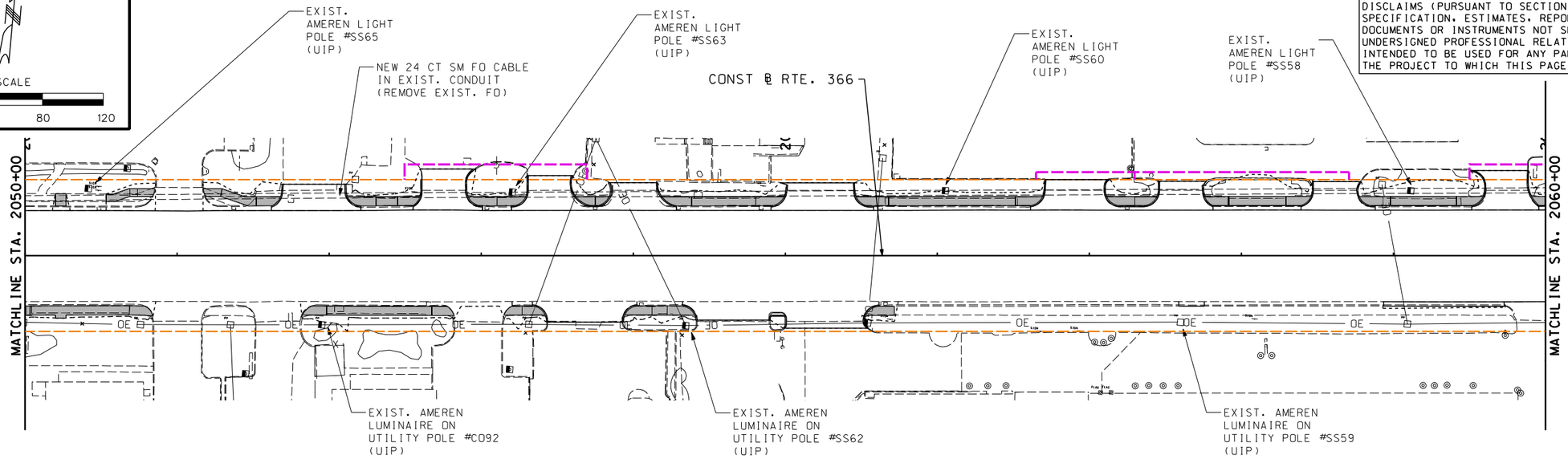
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

JASON L. JARQUIO
PROFESSIONAL ENGINEER
PE-2021011939

REV.





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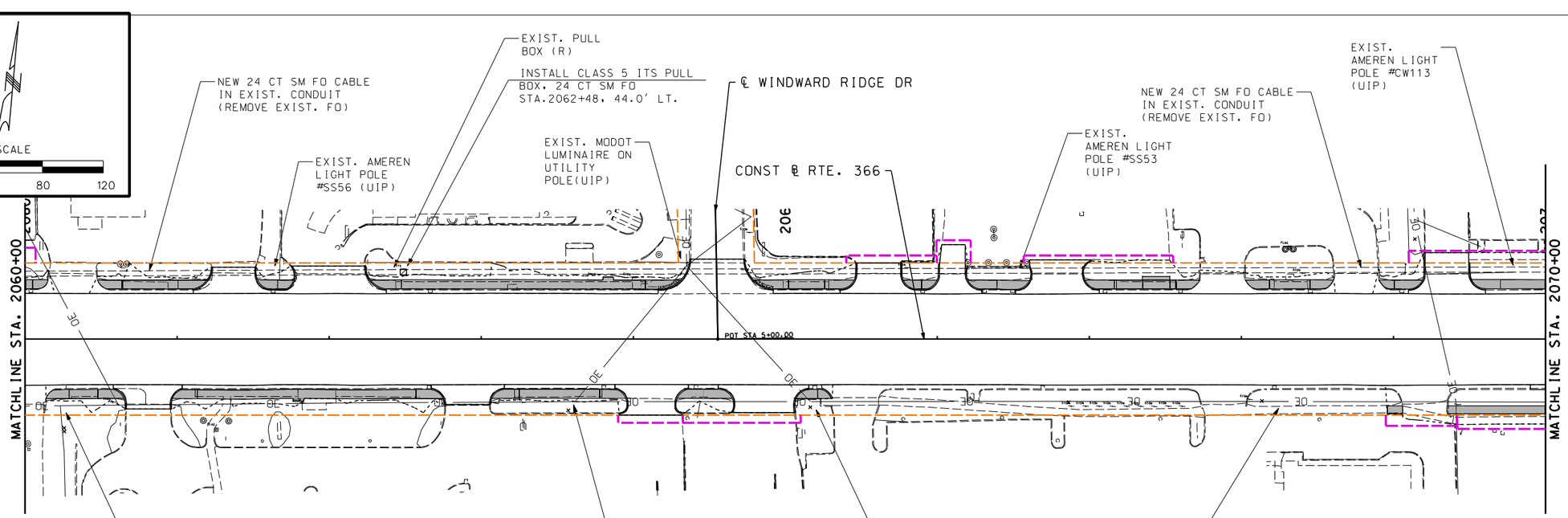

LIGHTING AND ITS SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
JASON LAWRENCE C. JARQUIO
NUMBER PE-2021011939
PROFESSIONAL ENGINEER
07/26/2024 3:22:35 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	401

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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Chesterfield, Missouri 63017
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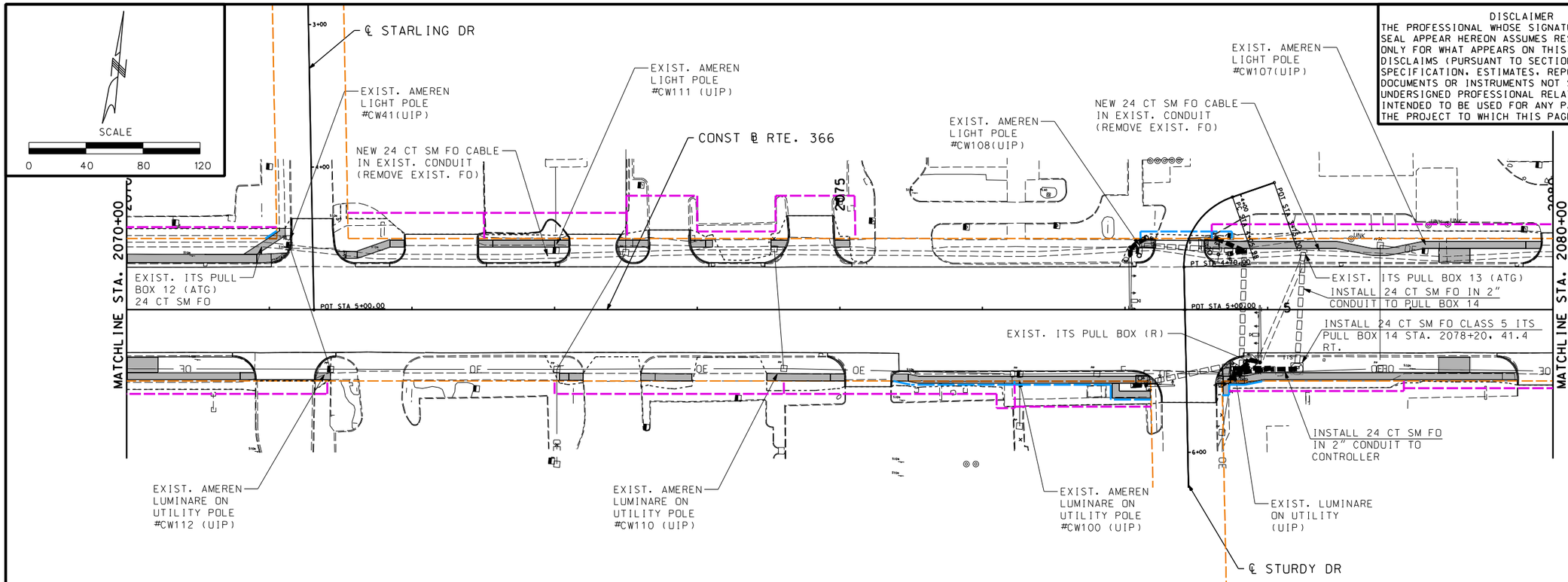
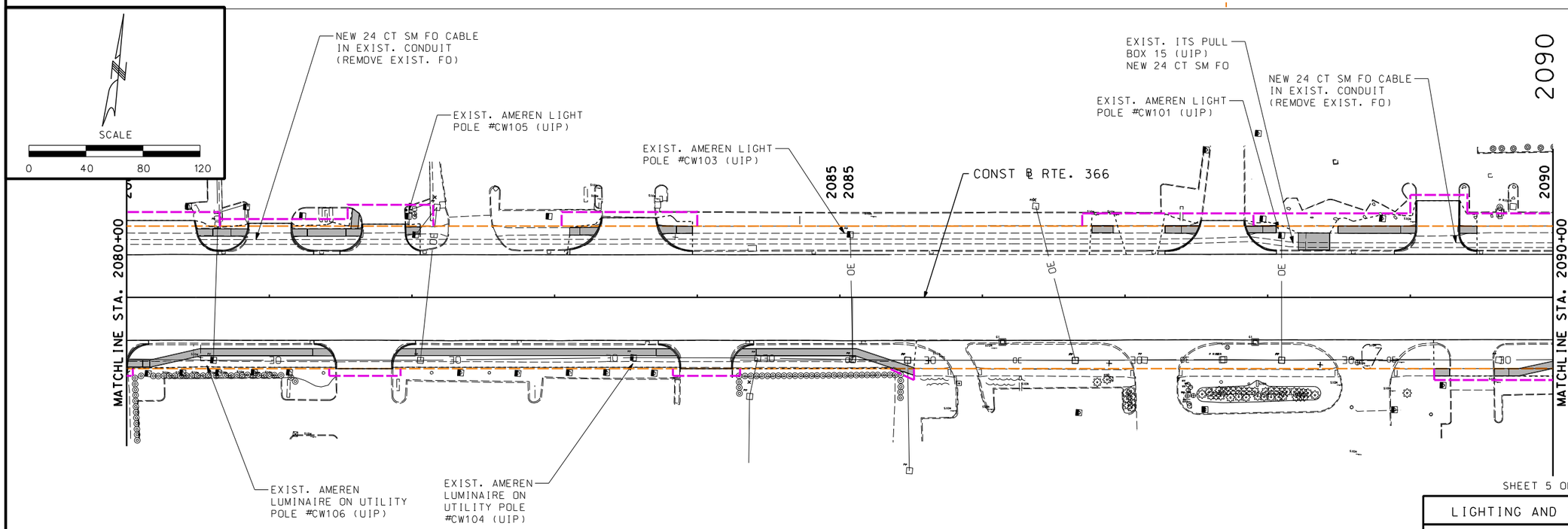
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

JASON L. JARQUIO
PROFESSIONAL ENGINEER
PE-2021011939

REV.





SHEET 5 OF 45

LIGHTING AND ITS SHEET

ROUTE 366
WATSON ROAD

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STATE OF MISSOURI
JASON LAWRENCE C. JARQUIO
NUMBER PE-2021011939
PROFESSIONAL ENGINEER

07/26/2024 3:22:36 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	402

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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Chesterfield, Missouri 63017
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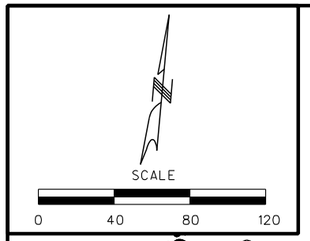
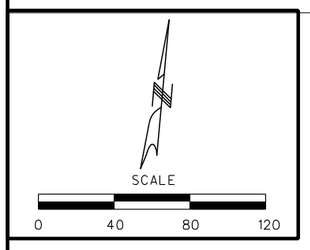
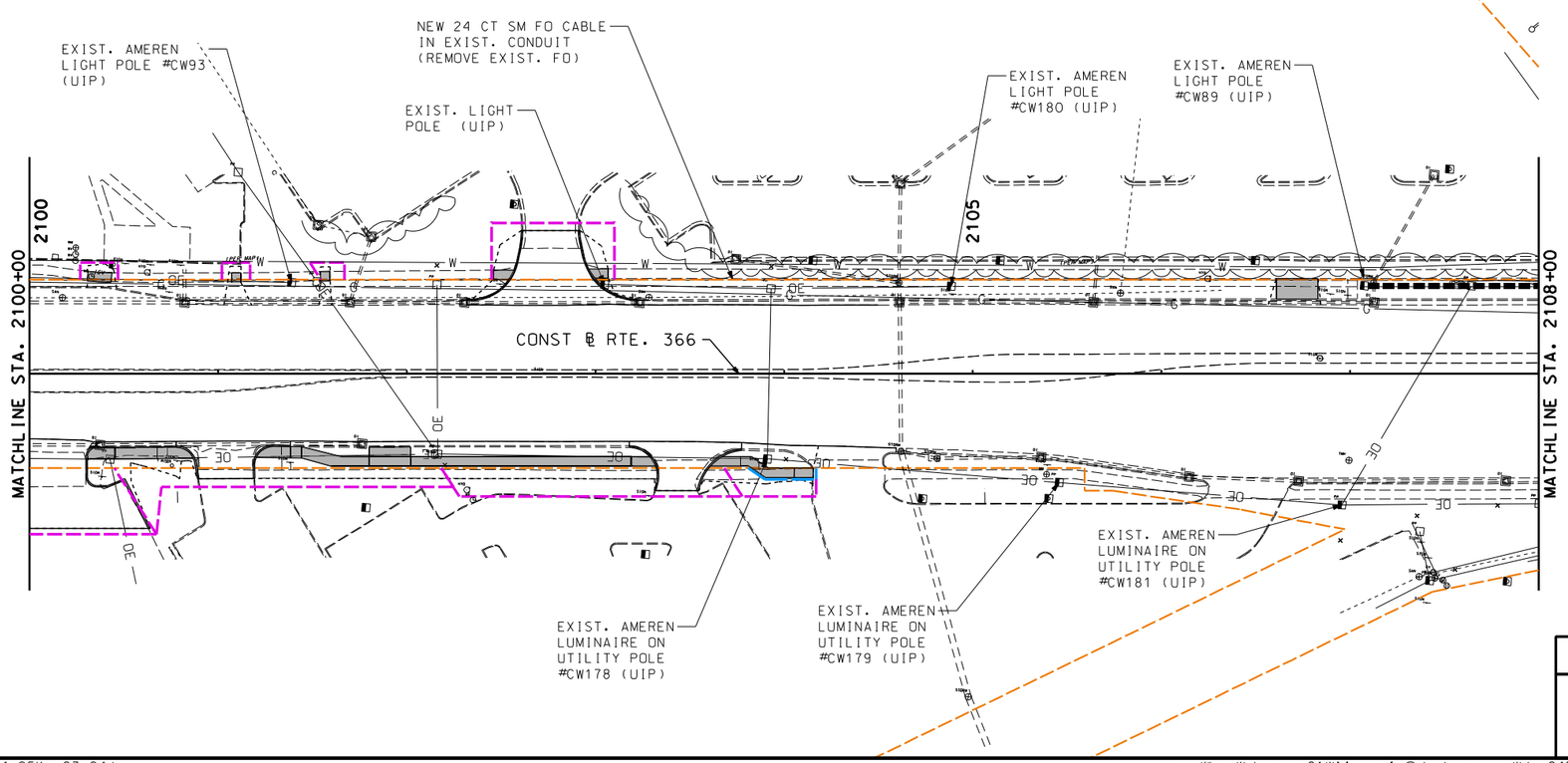
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

JASON L. JARQUIO
PROFESSIONAL ENGINEER
PE-2021011939

REV.







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STATE OF MISSOURI
JASON LAWRENCE C. JARQUIO
NUMBER PE-2021011939
PROFESSIONAL ENGINEER
09/05/2024 5:11:09 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	403

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr., Ste 300
Chesterfield, Missouri 63017
636.240.2444
www.gbateam.com
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

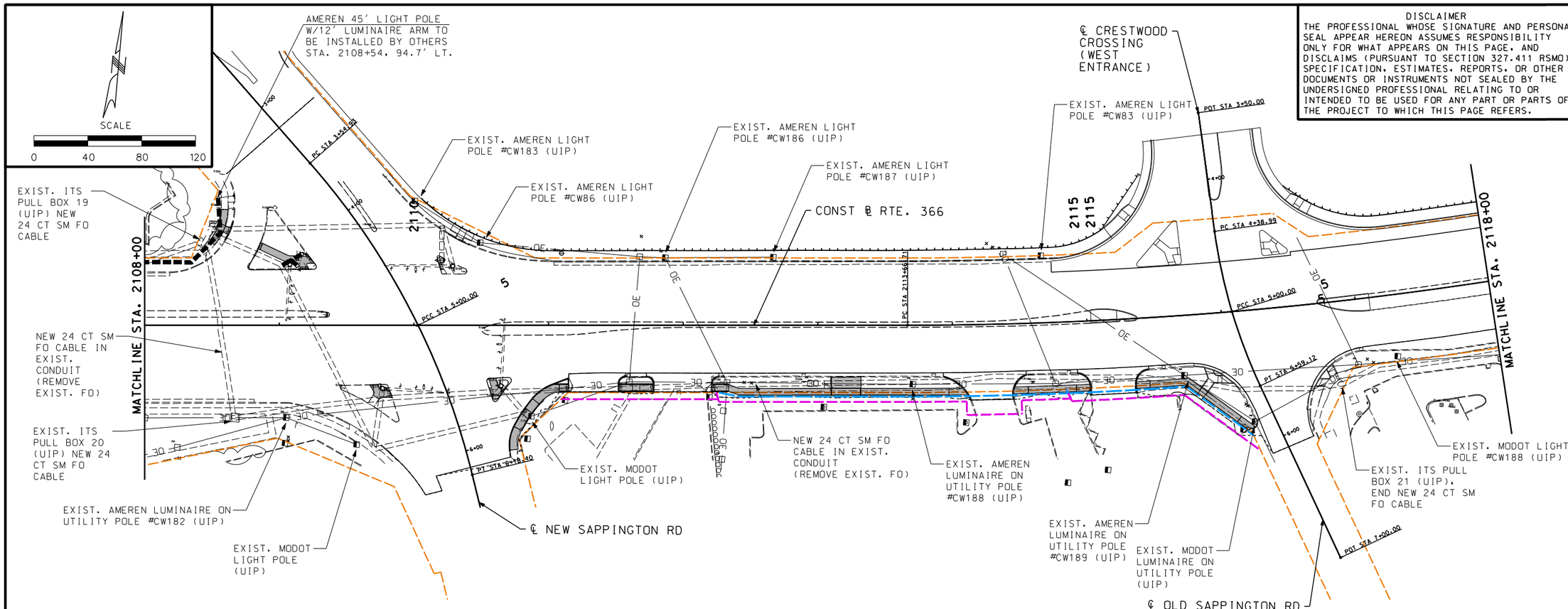
JASON L. JARQUIO
PROFESSIONAL ENGINEER
PE-2021011939

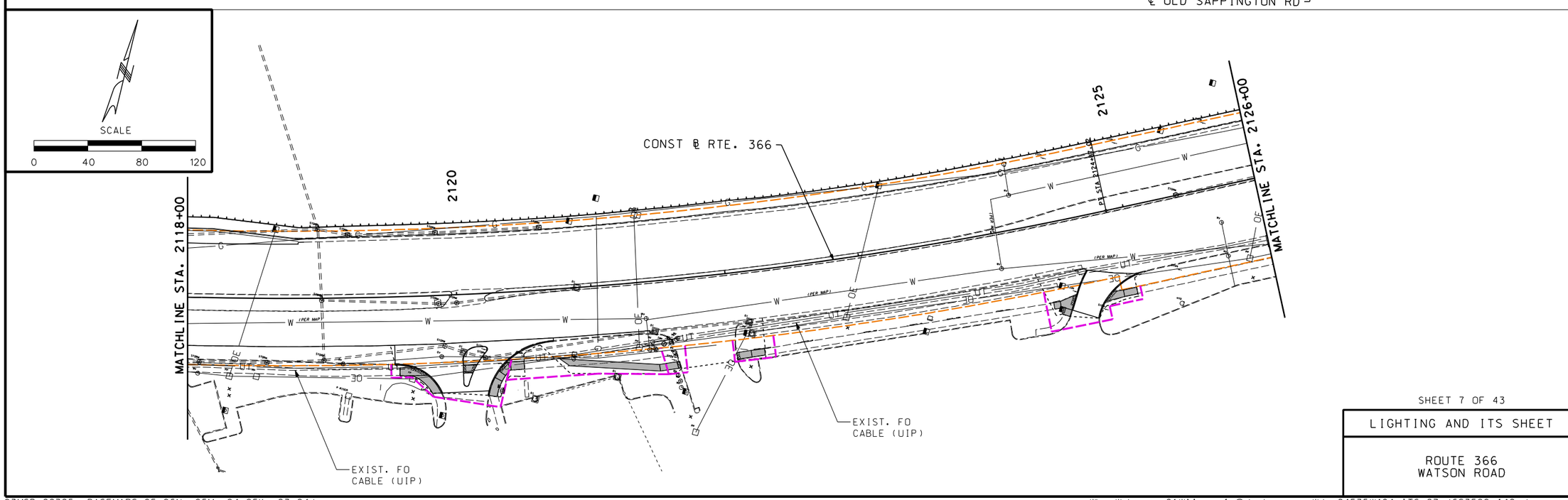
REV.

SHEET 6 OF 45

LIGHTING AND ITS SHEET

ROUTE 366
WATSON ROAD





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STATE OF MISSOURI
JASON LAWRENCE C. JARQUIO
NUMBER PE-2021011939
PROFESSIONAL ENGINEER

09/05/2024 5:11:09 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED	7/26/2024
MO ROUTE	366
STATE	MO
DISTRICT	SL
SHEET NO.	404
COUNTY	ST. LOUIS
JOB NO.	J6S3582
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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16305 Swingley Ridge Dr., Ste 300
Chesterfield, Missouri 63017
636.240.2444
www.gbateam.com
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

JASON L. JARQUIO
PROFESSIONAL ENGINEER
PE-2021011939

SHEET 7 OF 43

LIGHTING AND ITS SHEET

ROUTE 366
WATSON ROAD

REV.

23MSD-00395, BASEMAPS 25-26N, 25M, 24-25K, 23-24J

c:*bms*gba-pw-01*jjarquio@gbateam.com*dms04535*404_ITS_07_J6S3582_i40.dgn

7/26/2024

DISCLAIMER
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SCALE
0 40 80 120

℄ CRESTWOOD CROSSING CENTER ENTRANCE

MATCHLINE STA. 2126+00

EXIST AMEREN LIGHT POLE (UIP)
EXIST AMEREN LIGHT POLE (UIP)
EXIST AMEREN LIGHT POLE (UIP)
2130
EXIST. PRIVATE LIGHT (UIP)
EXIST AMEREN DD LIGHT CW198 (UIP)
EXIST AMEREN DD LIGHT (UIP)
2135
EXIST AMEREN DD LIGHT CW73 (UIP)
CONST. ℄ RTE 366
EXIST. ITS PULL BOX (UIP)
EXIST. FO CABLE (UIP)
EXIST. AMEREN DD LIGHT CW197 (UIP)
EXIST. ITS PULL BOX (ATG)
EXIST. AMEREN DD LIGHT CW70 (UIP)
EXIST. AMEREN DD LIGHT (UIP)
EXIST. FO CABLE (UIP)
EXIST. AMEREN DD LIGHT CW196 (UIP)
EXIST. AMEREN DD LIGHT CW72 (UIP)
EXIST. FO CABLE (UIP)
℄ CRESTWOOD COMMONS

MATCHLINE STA. 2137+00

SCALE
0 40 80 120

℄ CRESTWOOD CROSSING EAST ENTRANCE

MATCHLINE STA. 2137+00

EXIST AMEREN LIGHT POLE (UIP)
EXIST. PRIVATE LIGHT (UIP)
EXIST AMEREN LIGHT POLE (UIP)
2140
EXIST. PRIVATE LIGHT (UIP)
EXIST. PRIVATE LIGHT (UIP)
℄ WATSON INDUSTRIAL PARK
EXIST. AMEREN DD LIGHT CW65 (UIP)
EXIST. AMEREN DD LIGHT CW63 (UIP)
CONST. ℄ RTE 366
EXIST. AMEREN DD LIGHT CW68 (UIP)
EXIST. AMEREN DD LIGHT CW66 (UIP)
EXIST. AMEREN DD LIGHT CW64 (R)
NEW 24 SM FO CABLE IN EXIST. 2 IN. CONDUIT (REMOVE EXIST FO)
EXIST. ITS PULL BOX (ATG)
EXIST. FO CABLE (UIP)
EXIST. ITS PULL BOX (ATG)
BEGIN NEW 24 SM FO CABLE
EXIST. ITS PULL BOX (ATG)
EXIST. AMEREN DD LIGHT CW67 (UIP)
EXIST. ITS PULL BOX (UIP)
NEW 24 SM FO CABLE IN 2 IN. CONDUIT
NEW 24 SM FO CABLE IN EXIST. 2 IN. CONDUIT (REMOVE EXIST FO)
℄ BROOKVIEW LN
℄ CRESTVIEW PLAZA

MATCHLINE STA. 2148+00

LIGHTING AND ITS SHEET

MO ROUTE 366
WATSON ROAD

SHEET 8 OF 45

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/30/2024
Cassandra McKee Lee - Civil
MO PE-2023025373
DATE PREPARED
7/30/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	405

COUNTY
ST. LOUIS
JOB NO.
J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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REV.

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SCALE
0 40 80 120

MATCHLINE STA. 2148+00

℄ PARDEE LN

EXIST. AMEREN DD LIGHT CW61 (R&R BY OTHERS)

CONST. ℄ RTE 366

EXIST. AMEREN DD LIGHT (UIP)

EXIST. AMEREN DD LIGHT CW60 (UIP)

EXIST. ITS PULL BOX (ATG)

B101, TOP MOUNT LED A ON 30' MH, CIR B1 STA. 2153+77.21, 45.37' RT

EXIST. AMEREN DD LIGHT CW62 (R&R BY OTHERS)

NOTE: MODOT FO IS PRESENT ON EXISTING BRIDGE. CABLE IS TO BE RELOCATED DURING CONSTRUCTION AND INSTALLED IN PROPOSED 2 IN. CONDUIT ON NEW BRIDGE

NEW 24 SM FO CABLE IN EXIST. 2 IN. CONDUIT (REMOVE EXIST FO)

NEW 24 SM FO CABLE IN 2 IN. CONDUIT

PAD-MOUNTED 120V/240V SIGNAL POWER SUPPLY AND LIGHTING CONTROLLER WITH UPS

CLASS 3 LIGHTING PULL BOX, CIR A1 STA. 2154+16.13, 68.10' RT

CLASS 1 LIGHTING PULL BOX, CIR B1 STA. 2155+16.89 58.04' LT

B102, TOP MOUNT LED A ON 30' MH, CIR B1 STA. 2155+18.39, 4.83' LT

EXIST. AMEREN DD LIGHT CW58 (UIP)

CLASS 1 LIGHTING PULL BOX, CIR A1 STA. 2154+72.42, 61.95' RT

ADD AMEREN DD LIGHT ON 6 FT BRACKET TO EXIST. POLE (BY OTHERS)

EXIST. AMEREN DD LIGHT WRX5 (UIP)

EXIST. AMEREN DD LIGHT CW57 (UIP)

NEW 24 SM FO CABLE IN EXIST. 2 IN. CONDUIT (REMOVE EXIST FO)

EXIST. AMEREN DD LIGHT WRX6 (UIP)

EXIST. AMEREN LIGHTING CONTROLLER (UIP)

MATCHLINE STA. 2159+00

SCALE
0 40 80 120

MATCHLINE STA. 2159+00

EXIST. AMEREN DD LIGHT WRX4 (UIP)

EXIST. AMEREN DD LIGHT WRX3 (UIP)

EXIST. AMEREN DD LIGHT WRX2 (UIP)

EXIST. AMEREN DD LIGHT WRX1 (RELOC. BEHIND SIDEWALK, BY OTHERS)

CONST. ℄ RTE 366

EXIST. PRIVATE LIGHT (DND)

NEW 24 SM FO CABLE IN EXIST. 2 IN. CONDUIT (REMOVE EXIST FO)

NEW 24 SM FO CABLE IN 2 IN. CONDUIT

EXIST. AMEREN DD LIGHT WRX7 (UIP)

EXIST. ITS PULL BOX (ATG)

℄ GRANT RD

MATCHLINE STA. 2170+00

SHEET 9 OF 45

LIGHTING AND ITS SHEET

MO ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/30/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/30/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	406

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION | DATE | REV.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS been ELECTRONICALLY SEALED AND DATED.

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105 WEST CAPITOL
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SCALE

0 40 80 120

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MATCHLINE STA. 2170+00

MATCHLINE STA. 2181+00

CONST. ℄ RTE 366

℄ BLACKTHORN DR

NEW 24 SM FO CABLE IN EXIST. 2 IN. CONDUIT (REMOVE EXIST FO)

EXIST. PRIVATE LIGHT (DND)

2175

2180

SCALE

0 40 80 120

MATCHLINE STA. 2181+00

MATCHLINE STA. 2192+00

℄ ELM AVE

EXIST. PRIVATE LIGHT (DND)

EXIST. MODOT LIGHT (UIP)

CONST. ℄ RTE 366

EXIST. PRIVATE LIGHT (DND)

NEW 24 SM FO CABLE IN EXIST. 2 IN. CONDUIT (REMOVE EXIST FO)

EX130

EXIST. ITS PULL BOX (UIP)

EXIST. MODOT LIGHT (UIP)

EXIST. PRIVATE LIGHT (DND)

NEW 24 SM FO CABLE IN EXIST. 2 IN. CONDUIT (REMOVE EXIST FO)

NEW 24 SM FO CABLE IN EXIST. 2 IN. CONDUIT (REMOVE EXIST FO)

EX129

EXIST. ITS PULL BOX (ATG)

ADD AMEREN DD LIGHT ON 6 FT BRACKET TO EXIST. POLE (BY OTHERS)

ADD AMEREN DD LIGHT ON 6 FT BRACKET TO EXIST. POLE (BY OTHERS)

EXIST. PRIVATE LIGHT (DND)

SHEET 10 OF 45

LIGHTING AND ITS SHEET

MO ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	407

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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23MSD-00395; BASEMAPS 25N, 25M, 25L, 24-25K, 23-24J

L:\MoDOT\21040901-00\Draw\Roadway\Sheets\407_ITS AND LT_10_J6S3582.dgn

7/25/2024

SCALE

0 40 80 120

MATCHLINE STA. 2192+00

2195

NEW 24 SM FO CABLE IN
EXIST. 2IN. CONDUIT
(REMOVE EXIST FO)

EXIST. AMEREN DD
LIGHT MB82 (UIP)

EXIST. PRIVATE
LIGHT (DND)

2200

CONST ℄ RTE 366

EXIST. ITS PULL BOX (ATG)

EXIST. AMEREN DD
LIGHT MB80 (UIP)

EXIST. AMEREN DD
LIGHT MB83 (UIP)

EXIST. AMEREN DD
LIGHT MB81 (UIP)

EXIST. PRIVATE
LIGHT (DND)

EXIST. PRIVATE
LIGHT (DND)

℄ GENERAL GRANT LN

MATCHLINE STA. 2203+00

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CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	408

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

SCALE

0 40 80 120

MATCHLINE STA. 2192+00

℄ OLD WATSON RD

2205

EXIST. AMEREN DD
LIGHT W908 (UIP)

EXIST. AMEREN DD
LIGHT MB93 (UIP)

NEW 24 SM FO CABLE IN
EXIST. 2 IN. CONDUIT
(REMOVE EXIST FO)

EXIST. AMEREN DD
LIGHT MB75 (UIP)

EXIST. AMEREN DD
LIGHT MB76 (UIP)

℄ CHESHIRE LN

EXIST. ITS PULL BOX (ATG)

CONST. ℄ RTE 366

NEW 24 SM FO CABLE IN
EXIST. 2 IN. CONDUIT
(REMOVE EXIST FO)

NEW 24 SM FO CABLE IN
EXIST. 2 IN. CONDUIT
(REMOVE EXIST FO)

EXIST. AMEREN DD
LIGHT MB14 (UIP)

EXIST. AMEREN DD
LIGHT MB79 (UIP)

EXIST. AMEREN DD
LIGHT MB77 (UIP)

EXIST. ITS PULL BOX (ATG)

NEW 24 SM FO CABLE
IN 2 IN. CONDUIT

NEW 24 SM FO CABLE IN
EXIST. 2 IN. CONDUIT
(REMOVE EXIST FO)

EXIST. AMEREN DD
LIGHT MB74 (UIP)

EXIST. AMEREN DD
LIGHT MB64 (UIP)

EXIST. AMEREN DD
LIGHT (UIP)

MATCHLINE STA. 2214+00

SHEET 11 OF 45

LIGHTING AND ITS SHEET

MO ROUTE 366
WATSON ROAD

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
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SCALE
0 40 80 120

MATCHLINE STA. 2214+00

EXIST. ITS PULL BOX (ATG)

2215

CONST. ℄ RTE 366

℄ GIRARD DR

2220

℄ EDGAR RD

NEW 24 SM FO CABLE IN EXIST. 2 IN. CONDUIT (REMOVE EXIST FO)

EXIST. AMEREN DD LIGHT W943 (RELOC. BEHIND SIDEWALK, BY OTHERS)

EXIST. ITS PULL BOX (ATG)

2225

MATCHLINE STA. 2225+00

EXI34

EXIST. AMEREN DD LIGHT MB12 (UIP)

EXIST. AMEREN DD LIGHT MB9 (UIP)

EXI35

EXIST. AMEREN DD LIGHT MB61 (UIP)

EXIST. AMEREN DD LIGHT MB58 (UIP)

EXIST. AMEREN DD LIGHT MB85 (UIP)

EXIST. AMEREN DD LIGHT MB66 (UIP)

EXIST. AMEREN DD LIGHT (UIP)

EXIST. PRIVATE LIGHT (UIP)

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	409

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION | DATE | REV.

SCALE
0 40 80 120

MATCHLINE STA. 2225+00

EXIST. AMEREN DD LIGHT MB60 (UIP)

NEW 24 SM FO CABLE IN EXIST. 2 IN. CONDUIT (REMOVE EXIST FO)

EXIST. AMEREN DD LIGHT MB46 (UIP)

2230

EXIST. AMEREN DD LIGHT MB45 (UIP)

EXIST. AMEREN DD LIGHT (UIP)

℄ CULVERHILL DR

EXI36

EXI37

2235

EXIST. ITS PULL BOX (ATG)

EXIST. ITS PULL BOX (UIP)

CONST. ℄ RTE 366

EXIST. AMEREN DD LIGHT MB67 (RELOC. BEHIND SIDEWALK, BY OTHERS)

EXIST. AMEREN DD LIGHT (UIP)

EXIST. AMEREN DD LIGHT MB43 (UIP)

EXIST. AMEREN DD LIGHT (UIP)

MATCHLINE STA. 2236+00

SHEET 12 OF 45

LIGHTING AND ITS SHEET

MO ROUTE 366
WATSON ROAD

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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0 40 80 120

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MATCHLINE STA. 2236+00

MATCHLINE STA. 2247+00

℄ LACLEDE STATION RD

℄ MARTYS RD

℄ HEEGE RD

CONST. ℄ RTE 366

NEW 24 SM FO CABLE IN EXIST. 2 IN. CONDUIT (REMOVE EXIST FO)

NEW 24 SM FO CABLE IN EXIST. 2 IN. CONDUIT (REMOVE EXIST FO)

EXIST. ITS PULL BOX (ATG)

EX138

EXIST. AMEREN DD LIGHT (UIP)

EXIST. AMEREN DD LIGHT MB39 (UIP)

EXIST. AMEREN DD LIGHT (UIP)

EXIST. AMEREN DD LIGHT MB49 (UIP)

EXIST. AMEREN DD LIGHT MB50 (UIP)

EXIST. AMEREN DD LIGHT MB51 (UIP)

EXIST. AMEREN DD LIGHT MB54 (UIP)

EXIST. AMEREN DD LIGHT MB55 (UIP)

EXIST. AMEREN DD LIGHT MB57 (UIP)

EXIST. AMEREN DD LIGHT (UIP)

EXIST. AMEREN DD LIGHT MB53 (UIP)

EXIST. AMEREN DD LIGHT MB56 (UIP)

EXIST. PRIVATE LIGHT (DND)

EXIST. AMEREN DD LIGHT MB68 (UIP)

EXIST. AMEREN DD LIGHT MB52 (UIP)

SHEET 13 OF 45

LIGHTING AND ITS SHEET

MO ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	410

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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SCALE
0 40 80 120

℄ PEMBROKE DR

MATCHLINE STA. 2247+00

2250

EXIST. AMEREN DD LIGHT MB35 (UIP)

CONST. ℄ RTE 366

NEW 24 SM FO CABLE IN EXIST. 2 IN. CONDUIT (REMOVE EXIST FO)

2255

℄ WIMBLEDON DR

EXIST. AMEREN DD LIGHT MB33 (UIP)

EXIST. AMEREN DD LIGHT MB34 (UIP)

EX139

EXIST. AMEREN DD LIGHT (UIP)

EXIST. ITS PULL BOX (ATG)

EXIST. AMEREN DD LIGHT (UIP)

MATCHLINE STA. 2258+00

SCALE
0 40 80 120

MATCHLINE STA. 2258+00

2260

EXIST. AMEREN DD LIGHT MB32 (UIP)

CONST. ℄ RTE 366

EXIST. PRIVATE LIGHT (UIP)

EX140

EXIST. AMEREN DD LIGHT MB29 (UIP)

EXIST. ITS PULL BOX (ATG)

℄ OAK KNOLL MANOR DR

NEW 24 SM FO CABLE IN EXIST. 2 IN. CONDUIT (REMOVE EXIST FO)

2265

EXIST. AMEREN DD LIGHT MB28 (UIP)

EXIST. AMEREN DD LIGHT MB27 (UIP)

EX141

EXIST. ITS PULL BOX (UIP)

EXIST. AMEREN DD LIGHT MB31 (UIP)

EXIST. AMEREN DD LIGHT MB30 (UIP)

EXIST. AMEREN DD LIGHT SH223 (UIP)

MATCHLINE STA. 2269+00

SHEET 14 OF 45

LIGHTING AND ITS SHEET

MO ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

09/06/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
9/5/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	411

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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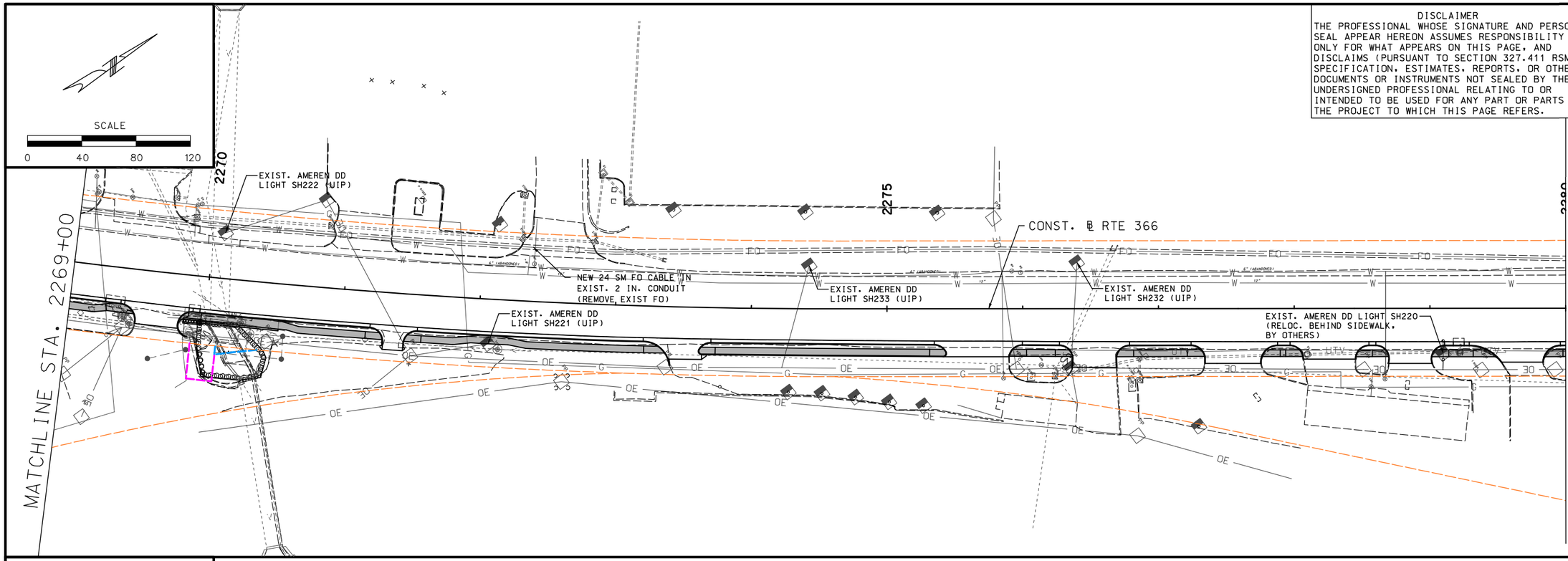

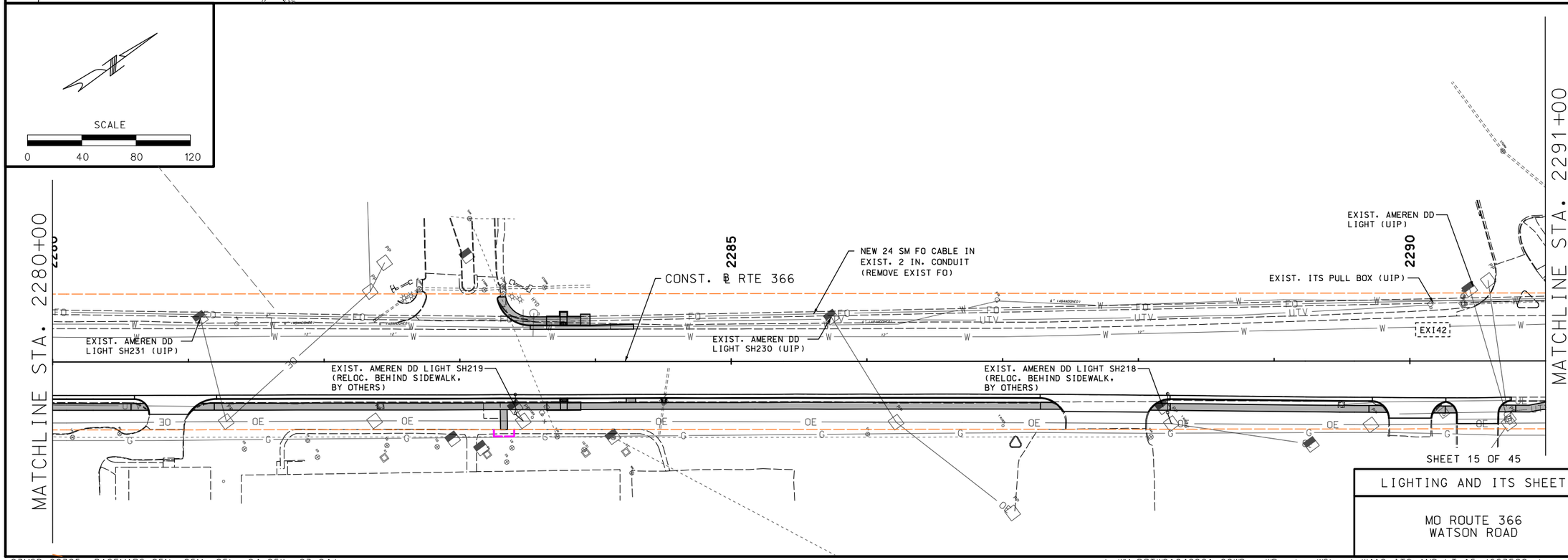

SHEET 15 OF 45

LIGHTING AND ITS SHEET

MO ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	412

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

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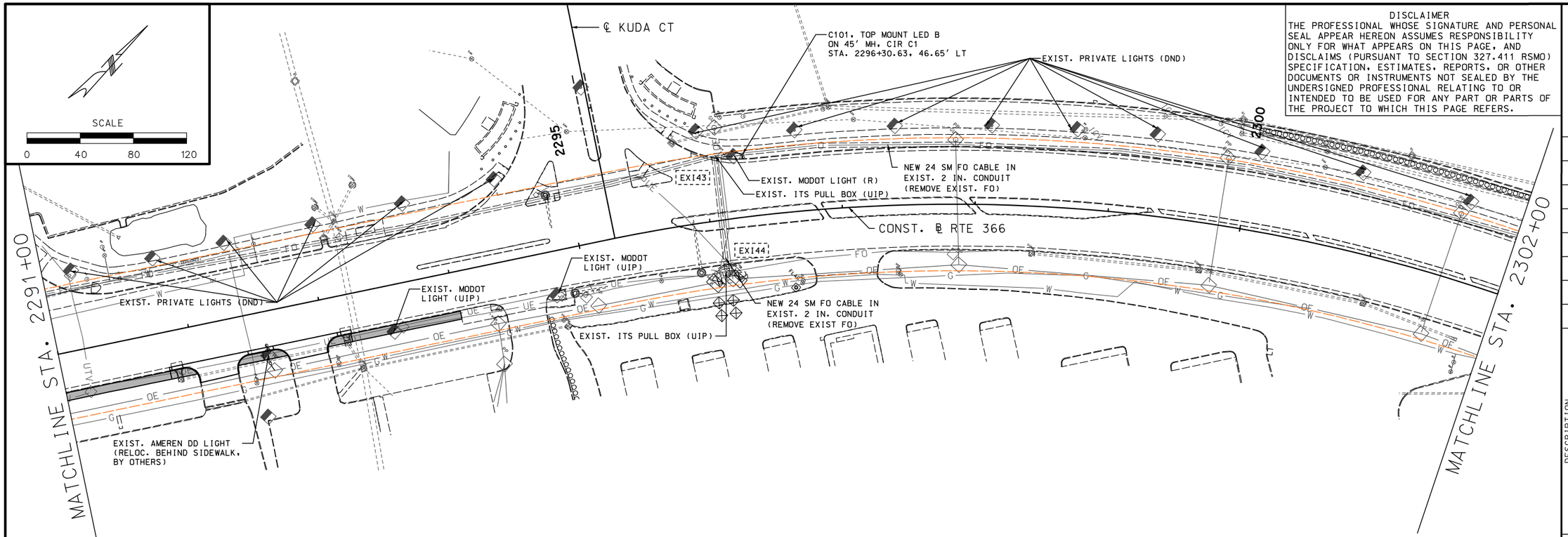

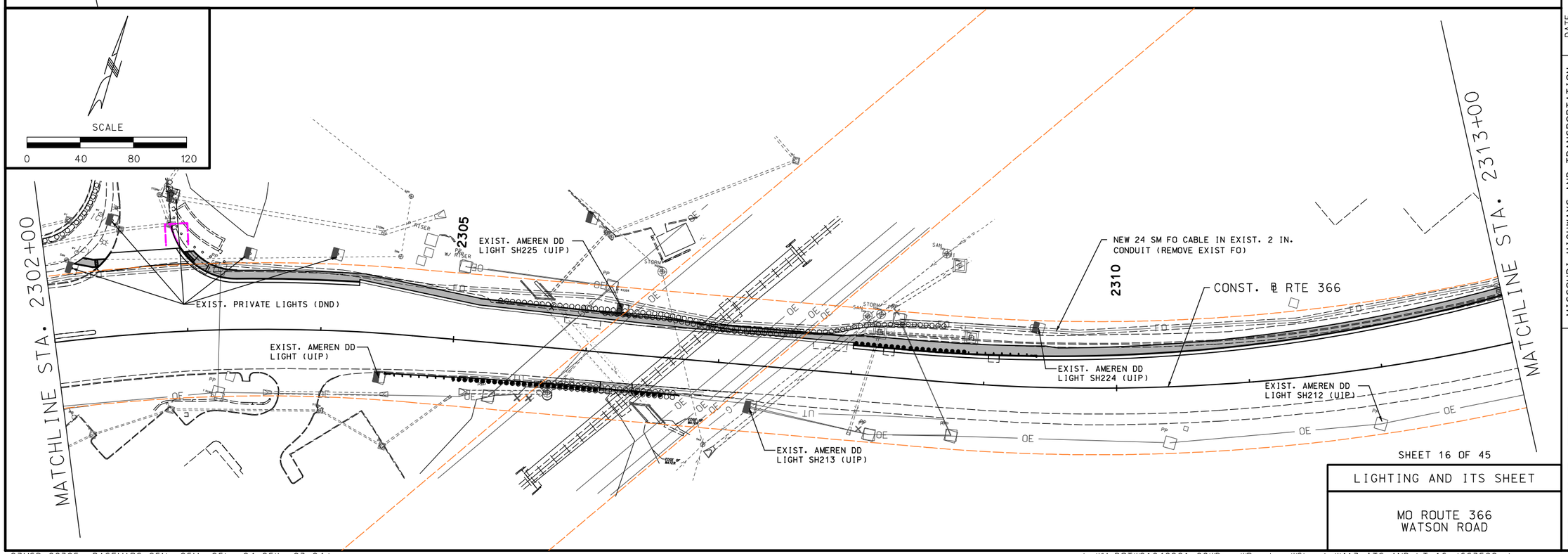

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	413

COUNTY
ST. LOUIS

JOB NO.
J6S3582

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SHEET 16 OF 45

LIGHTING AND ITS SHEET

MO ROUTE 366
WATSON ROAD

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SCALE
0 40 80 120

MATCHLINE STA. 2313+00

NEW 24 SM FO CABLE IN 2 IN. CONDUIT
NEW 24 SM FO CABLE IN EXIST. 2 IN. CONDUIT (REMOVE EXIST FO)
℄ JACOBS COAL RD
EXIST. PRIVATE LIGHT (DND)
EXIST. AMEREN DD LIGHT SH234 (UIP)
EXIST. PRIVATE LIGHT (DND)
EXIST. AMEREN DD LIGHT SH235 (UIP)
EXIST. ITS PULL BOX (UIP)
CONST. ℄ RTE 366
EXIST. MODOT LIGHT (UIP)
EXIST. AMEREN DD LIGHT SH210 (UIP)
EXIST. MODOT LIGHT (UIP)
EXIST. AMEREN DD LIGHT SH211 (UIP)
EXIST. ITS PULL BOX (UIP)
NEW 24 SM FO CABLE IN EXIST. 2 IN. CONDUIT (REMOVE EXIST FO)

MATCHLINE STA. 2324+00

SCALE
0 40 80 120

℄ MACKENZIE POINTE
EXIST. PRIVATE LIGHTS (DND)
CONST. ℄ RTE 366
EXIST. MODOT LIGHT (UIP)
EXIST. MODOT LIGHT (UIP)
EXIST. MODOT LIGHT (UIP)
EXIST. MODOT LIGHT (UIP)
EXIST. MODOT LIGHT (UIP)
EXIST. MODOT LIGHT (UIP)
EXIST. MODOT LIGHT (R)
NEW 24 SM FO CABLE IN EXIST. 2 IN. CONDUIT (REMOVE EXIST FO)
END NEW 24 SM FO CABLE
℄ RTE P

SHEET 17 OF 45

LIGHTING AND ITS SHEET

MO ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	414

COUNTY
ST. LOUIS
JOB NO.
J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION | DATE | REV.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

DISCLAIMER EFFECTIVE: 10-01-2015
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STATE OF MISSOURI
JASON LAWRENCE C. JARQUIO NUMBER PE-2021011939
PROFESSIONAL ENGINEER

09/05/2024 5:11:10 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

ITS CONDUIT, FIBER, AND PULL BOX (1 OF 2)

CONDUIT (WITH #14 TRACER WIRE)

FROM	TO	CENTER TO CENTER DISTANCE	TRENCH 2"	TRENCH	TRENCH	TRENCH	PUSHED 2"	PUSHED	PUSHED	PUSHED	REMARKS
1 PB (EX)	☒	9'	12'								ITS SHEET 1
3 PB	4 PB	102'					100'				ITS SHEET 2
4 PB	5 PB (EX)	263'					261'				ITS SHEET 2
3 PB	☒	51'	54'								ITS SHEET 2
9 PB	10 PB	117'					115'				ITS SHEET 3
10 PB	☒	13'	16'								ITS SHEET 3
13 PB (EX)	14 PB	82'					80'				ITS SHEET 5
14 PB	☒	19'	22'								ITS SHEET 5
16 PB	17 PB	101'					99'				ITS SHEET 6
17 PB	☒	15'	18'								ITS SHEET 6
SUBTOTALS 1			122'				657'				

FIBER

FROM	TO	CENTER TO CENTER DISTANCE	COIL	24 CT SM FO TOTAL	REMARKS
1 PB (EX)	☒	9'	60'	69'	ITS SHEET 1 (INCLUDED 60' FIBER SLACK)
1 PB (EX)	STA. 2020+00	512'	60'	572'	ITS SHEET 1 (INCLUDED 60' FIBER SLACK)
STA 2020+00	2 PB (EX)	292'	30'	322'	ITS SHEET 2
2 PB (EX)	STA. 2030+00	717'		717'	ITS SHEET 2
STA. 2030+00	3 PB	258'	60'	319'	ITS SHEET 2 (INCLUDED 60' FIBER SLACK)
3 PB	☒	51'	60'	111'	ITS SHEET 2 (INCLUDED 60' FIBER SLACK)
3 PB	4 PB	102'	30'	132'	ITS SHEET 2
4 PB	5 PB (EX)	263'	30'	293'	ITS SHEET 2
5 PB (EX)	STA. 2039+00	460'		460'	ITS SHEET 2
STA. 2039+00	6 PB (EX)	29'	30'	59'	ITS SHEET 3
6 PB (EX)	7 PB (EX)	257'	30'	287'	ITS SHEET 3
7 PB (EX)	☒	23'	60'	83'	ITS SHEET 3 (INCLUDED 60' FIBER SLACK)
7 PB (EX)	8 PB (EX)	180'	30'	210'	ITS SHEET 3
8 PB (EX)	CAMERA	48'	30'	78'	ITS SHEET 3
8 PB (EX)	9 PB	203'	30'	233'	ITS SHEET 3
9 PB	10 PB	120'	30'	150'	ITS SHEET 3
10 PB	☒	12'	60'	72'	ITS SHEET 3 (INCLUDED 60' FIBER SLACK)
9 PB	STA. 2050+00	519'		519'	ITS SHEET 3
STA 2050+00	STA. 2060+00	1000'		1000'	ITS SHEET 4
STA 2060+00	11 PB	249'	30'	279'	ITS SHEET 4
11 PB	STA. 2070+00	751'		751'	ITS SHEET 4
STA. 2070+00	12 PB (EX)	94'	30'	124'	ITS SHEET 5
12 PB (EX)	13 PB (EX)	729'	30'	759'	ITS SHEET 5
13 PB (EX)	14 PB	82'	30'	112'	ITS SHEET 5
14 PB	☒	19'	60'	79'	ITS SHEET 5 (INCLUDED 60' FIBER SLACK)
13 PB (EX)	STA. 2080+00	174'		174'	ITS SHEET 5
STA. 2080+00	15 PB (EX)	817'	30'	847'	ITS SHEET 5
15 PB (EX)	STA. 2090+00	183'		183'	ITS SHEET 5
STA. 2090+00	16 PB	783'	30'	813'	ITS SHEET 6
16 PB	17 PB	101'	60'	161'	ITS SHEET 6 (INCLUDED 60' FIBER SLACK)
17 PB	☒	16'	60'	76'	ITS SHEET 6 (INCLUDED 60' FIBER SLACK)
16 PB	18 PB (EX)	166'	30'	196'	ITS SHEET 6
18 PB (EX)	STA. 2100+00	49'		49'	ITS SHEET 6
STA. 2100+00	STA. 2108+00	800'		800'	ITS SHEET 6
STA. 2108+00	19 PB (EX)	45'	30'	75'	ITS SHEET 7
19 PB (EX)	20 PB (EX)	130'	30'	160'	ITS SHEET 7
20 PB (EX)	21 PB (EX)	714'	60'	774'	ITS SHEET 7 (INCLUDED 60' FIBER SLACK)
21 PB (EX)	STA. 2118+00	121'		121'	ITS SHEET 7
SUBTOTALS 1				12218'	

PULL BOX/SPLICE BOX

LOCATION	CLASS 2	CLASS 5
3 2032+58, 51.8' LT.		1
4 2032+64, 63.9' RT.	1	
9 2044+81, 59.7' LT.	1	
10 2045+09, 53.3 RT.		1
14 2078+20, 41.4 RT.		1
16 2097+85, 44.3 LT	1	
17 2098+06, 53.5 RT		1

ITS CONDUIT, FIBER, AND PULL BOX (2 OF 2)

EFFECTIVE: 10-01-2015

CONDUIT (WITH #14 TRACER WIRE)						FIBER						PULL BOX			
FROM	TO	CENTER TO CENTER DISTANCE	TRENCH 2″	PUSHED 2″	REMARKS	FROM	TO	CENTER TO CENTER DISTANCE	COIL	FIBER OPTIC CABLE, 24 STRAND SINGLE MODE	REMARKS	LOCATION	CLASS 2	CLASS 5	REMARKS
EXI25	☒ WATSON IND	13′	16′			EXI22	EXI23	256′	30′	286′					
EXI27	☒ PARDEE	7′	10′			EXI23	EXI24	269′	30′	299′					
EXI28	☒ GRANT	8′	11′			EXI24	EXI25	265′	30′	295′					
EXI33	☒ CHESHIRE	8′	11′			EXI25	☒ WATSON IND	13′	60′	81′	INCLUDES 60′ FIBER SLACK				
EXI45	☒ JACOBS COAL	22′	25′			EXI25	EXI26	413′	30′	443′					
						EXI26	EXI27	388′	30′	418′					
						EXI27	☒ PARDEE	7′	60′	75′	INCLUDES 60′ FIBER SLACK				
						EXI27	EXI28	518′	30′	548′					
						EXI28	☒ GRANT	8′	60′	76′	INCLUDES 60′ FIBER SLACK				
						EXI28	EXI29	2798′	30′	2828′					
						EXI29	☒ ELM	11′	60′	79′	INCLUDES 60′ FIBER SLACK				
						EXI29	EXI30	108′	30′	138′					
						EXI30	EXI31	1036′	30′	1066′					
						EXI31	EXI32	1095′	30′	1125′					
						EXI32	EXI33	87′	30′	117′					
						EXI33	☒ CHESHIRE	8′	60′	76′	INCLUDES 60′ FIBER SLACK				
						EXI32	EXI34	597′	30′	627′					
						EXI34	EXI35	686′	30′	716′					
						EXI35	EXI36	923′	30′	953′					
						EXI36	EXI37	140′	30′	170′					
						EXI37	EXI38	1010′	30′	1040′					
						EXI38	☒ LACLEDE	24′	60′	92′	INCLUDES 60′ FIBER SLACK				
						EXI38	EXI39	1101′	30′	1131′					
						EXI39	EXI40	1038′	30′	1068′					
						EXI40	EXI41	515′	30′	545′					
						EXI41	EXI42	2115′	30′	2145′					
						EXI42	EXI43	601′	30′	631′					
						EXI43	EXI44	87′	30′	117′					
						EXI44	☒ KUDA	10′	60′	78′	INCLUDES 60′ FIBER SLACK				
						EXI43	EXI45	2095′	30′	2125′					
						EXI45	☒ JACOBS COAL	22′	60′	90′	INCLUDES 60′ FIBER SLACK				
						EXI45	EXI46	92′	30′	122′					
						EXI46	EXI47	1128′	30′	1158′					
						EXI47	☒ ROUTE P	9′	60′	77′	INCLUDES 60′ FIBER SLACK				
SUBTOTAL 1			122′	657′		SUBTOTAL 1				12218′		SUBTOTAL 1	3	4	
SUBTOTAL 2			73′	0′		SUBTOTAL 2				20835′		SUBTOTAL 2	0	0	
TOTAL			195′	657′		TOTALS				33053′		TOTALS	3	4	

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STATE OF MISSOURI
CASSANDRA VICKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED: 7/25/2024
MO ROUTE: 366
STATE: MO
DISTRICT: SL
SHEET NO.: 416
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
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ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
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REV.

SHEET 19 OF 45

LIGHTING AND ITS SHEET

MO ROUTE 366
WATSON ROAD

D-37B

ITS NETWORKING EQUIPMENT

LOCATION	WALL-MOUNTED INTERCONNECT CENTER	SM F.O. PIGTAIL	SM F.O. JUMPER	SM F.O. FUSION SPLICE	INSTALL OR RELOCATE EXISTING COMMUNICATIONS EQUIPMENT	INSTALL MODOT FURNISHED IP-ADDRESSABLE POWER STRIP	REMOVE IN-PAVEMENT WIRELESS DETECTION SYSTEM PER INTERSECTION	INSTALL CONDUIT INTO EXISTING BOX	INTERCEPT CONDUIT WITH PULL BOX	REMARKS
	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	
S GEYER RD	1	8	8	24	1	1	1	1		
SUNSET OFFICE DR	1	4	4	26	1	1		1		
US 50/61/67 SB	1	4	4	26	1	1	1	1		
US 50/61/67 NB	1	4	4	26	1	1				
STURDY	1	4	4	26	1	1	1	1		
GLENWOOD DR	1	4	4	26	1	1			1	
SAPPINGTON RD	1	4	4	24						
OLD SAPPINGTON RD		2	4	24						
CRESTVIEW LANE		2		24			1			
WATSON INDUSTRIAL PARK	1	4	4	26	1	1		1		
PARDEE LN	1	4	4	26	1	1		1		
GRANT RD	1	4	4	26	1	1		1		
ELM AVE/ROCK HILL RD	1	4	4	26			1			
CHESHIRE LANE	1	4	4	26	1	1		1		
LACLEDE STATION RD	1	4	4	26			1			
KUDA CT	1	4	4	26						
JACOBS COAL RD	1	4	4	26	1	1		1		
ROUTE P	1	4	4	4			1			
TOTAL	**16**	**72**	**72**	**438**	**11**	**11**	**7**	**9**	**1**	

ITS ASSET MANAGEMENT TOOL	
TOTAL	1 LUMP SUM

MODOT ITS ASSETS RELOCATION	
TOTAL	1000 LF

FOR USE AS DIRECTED BY THE ENGINEER

REMOVAL OF EXISTING FIBER OPTIC CABLE	
TOTAL	1 LUMP SUM

CONDUIT REPAIR	
TOTAL	300 LF

FOR USE AS DIRECTED BY THE ENGINEER

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

08/01/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
8/1/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	417

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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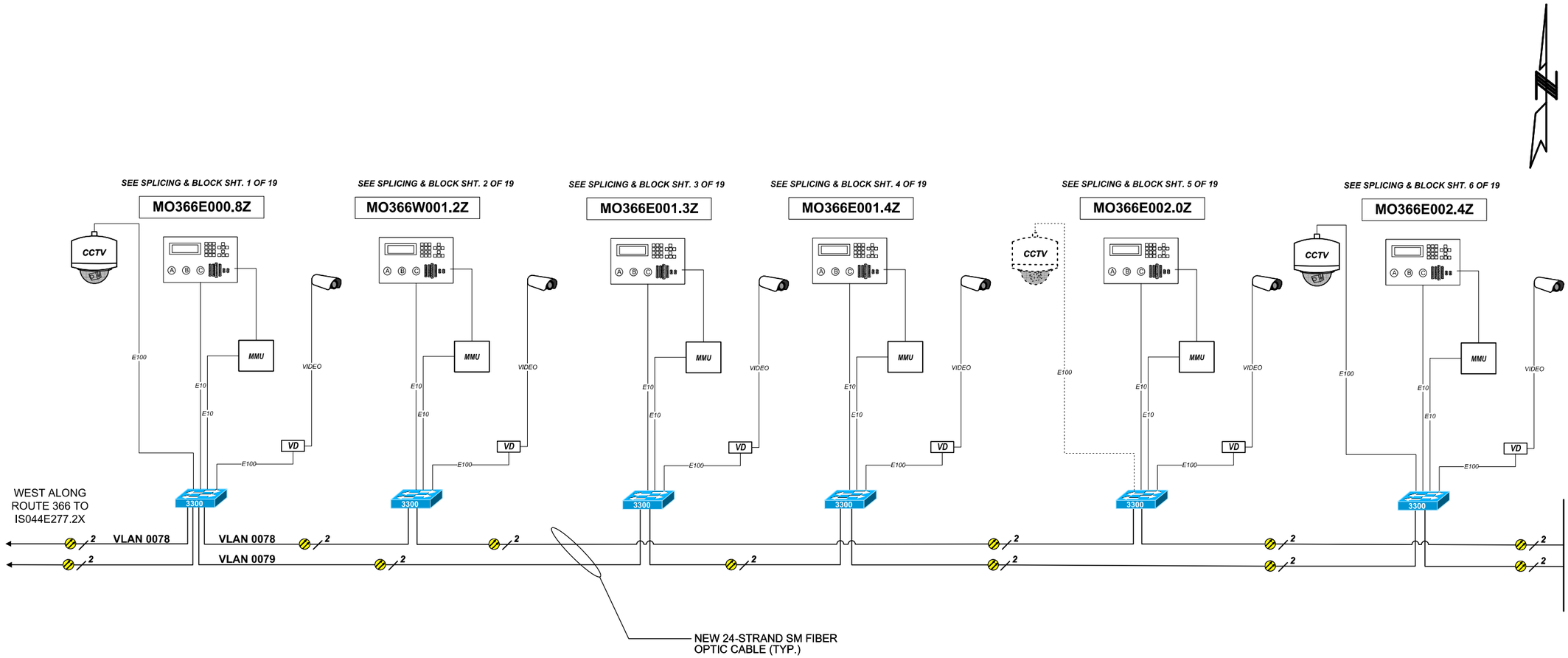
ENGINEERING CORPORATION - 000631

REV.

SHEET 20 OF 45

LIGHTING AND ITS SHEET

MO ROUTE 366
WATSON ROAD



NOTE:
1) DASHED LINES INDICATE EXISTING EQUIPMENT OR CABLING.
2) ALL FIBER SPLICES ARE NOT SHOWN. SEE SLICE DIAGRAMS.

CONNECTION DETAIL
ROUTE 366
(WATSON RD.)
SHEET 1 OF 4

MI055E001.8T — DEVICE IDENTIFIER
CCTV CCTV — EXISTING/ PROPOSED CCTV CAMERA
DMS DMS — EXISTING/PROPOSED DYNAMIC MESSAGE SIGN
2950 — EXISTING CISCO 2950 SWITCH
3300 — EXISTING CISCO 3300 SWITCH
3300 — PROPOSED CISCO 3300 SWITCH
EXISTING/PROPSED TRAFFIC SIGNAL CONTROLLER
MMU — MALFUNCTION MANAGEMENT UNIT
POWER INJECTOR — CISCO 1400 AIRONET POWER INJECTOR
CISCO 1400 AIRONET WIRELESS ETHERNET BRIDGE
MC — MEDIA CONVERTER
FO DATA MODEM — FIBER OPTIC DATA MODEM
E10 — 10 MBPS ETHERNET
E100 — 100 MBPS ETHERNET
VDS AP — VIDEO DETECTION SYSTEM
SENSYS DETECTION SYSTEM
VD — IP VIDEO ENCODER
DEVICE SERVER — DEVICE SERVER
FIBER OPTIC CABLE
COAX CABLE
TWISTED PAIR CABLE
EXISTING/PROPOSED FUSION SPLICE
10/100 MBPS ETHERNET LINK
OC-48 LINK
OC-12 LINK
PROPOSED CABLE
EXISTING CABLE
WIRELESS CONNECTION

STATE OF MISSOURI
CHARLES A. MILLER
NUMBER E-2002000806
REGISTERED PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

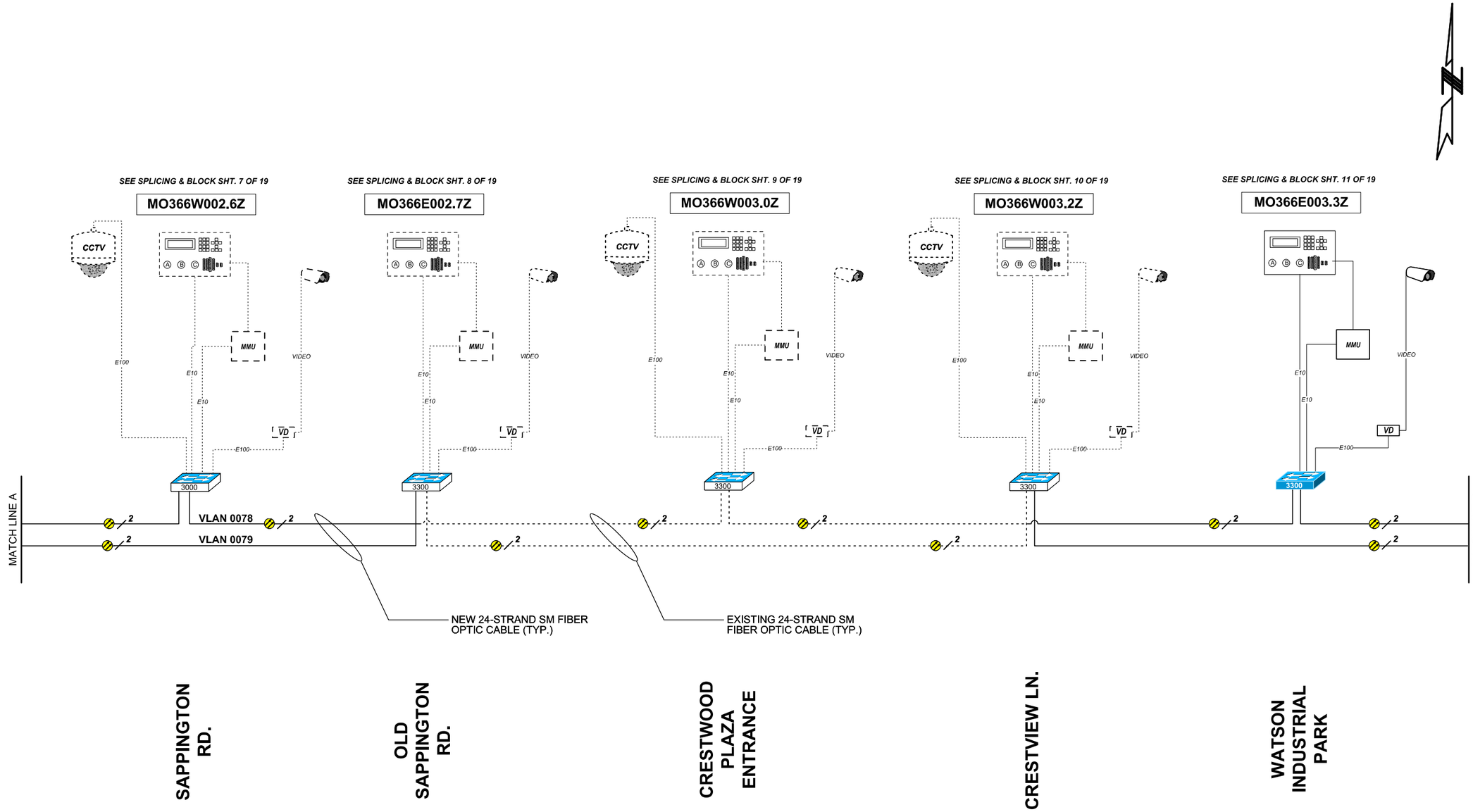
DATE PREPARED: 02/07/2024
ROUTE: 366 | STATE: MO
DISTRICT: SL | SHEET NO.: 418
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE | REV.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)
MoDOT

J6S3582_Local Overview_v4.vsd
02/07/2024



NOTE:
1) DASHED LINES INDICATE EXISTING EQUIPMENT OR CABLING.
2) ALL FIBER SPLICES ARE NOT SHOWN. SEE SLICE DIAGRAMS.

CONNECTION DETAIL
ROUTE 366
(WATSON RD.)
SHEET 2 OF 4

MI055E001.8T	DEVICE IDENTIFIER
CCTV	EXISTING/ PROPOSED CCTV CAMERA
DMS	EXISTING/PROPOSED DYNAMIC MESSAGE SIGN
2950	EXISTING CISCO 2950 SWITCH
3300	EXISTING CISCO 3300 SWITCH
3300	PROPOSED CISCO 3300 SWITCH
	EXISTING/PROPSED TRAFFIC SIGNAL CONTROLLER
MMU	MALFUNCTION MANAGEMENT UNIT
POWER INJECTOR	CISCO 1400 AIRONET POWER INJECTOR
	CISCO 1400 AIRONET WIRELESS ETHERNET BRIDGE
MC	MEDIA CONVERTER
FO DATA MODEM	FIBER OPTIC DATA MODEM
E10	10 MBPS ETHERNET
E100	100 MBPS ETHERNET
	VIDEO DETECTION SYSTEM
VDS AP	SENSYS DETECTION SYSTEM
VD	IP VIDEO ENCODER
DEVICE SERVER	DEVICE SERVER
	FIBER OPTIC CABLE
	COAX CABLE
	TWISTED PAIR CABLE
	EXISTING/PROPOSED FUSION SPLICE
	10/100 MBPS ETHERNET LINK
	OC-48 LINK
	OC-12 LINK
	PROPOSED CABLE
	EXISTING CABLE
	WIRELESS CONNECTION

STATE OF MISSOURI
CHARLES A. MILLER
NUMBER E-2002000606
REGISTERED PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

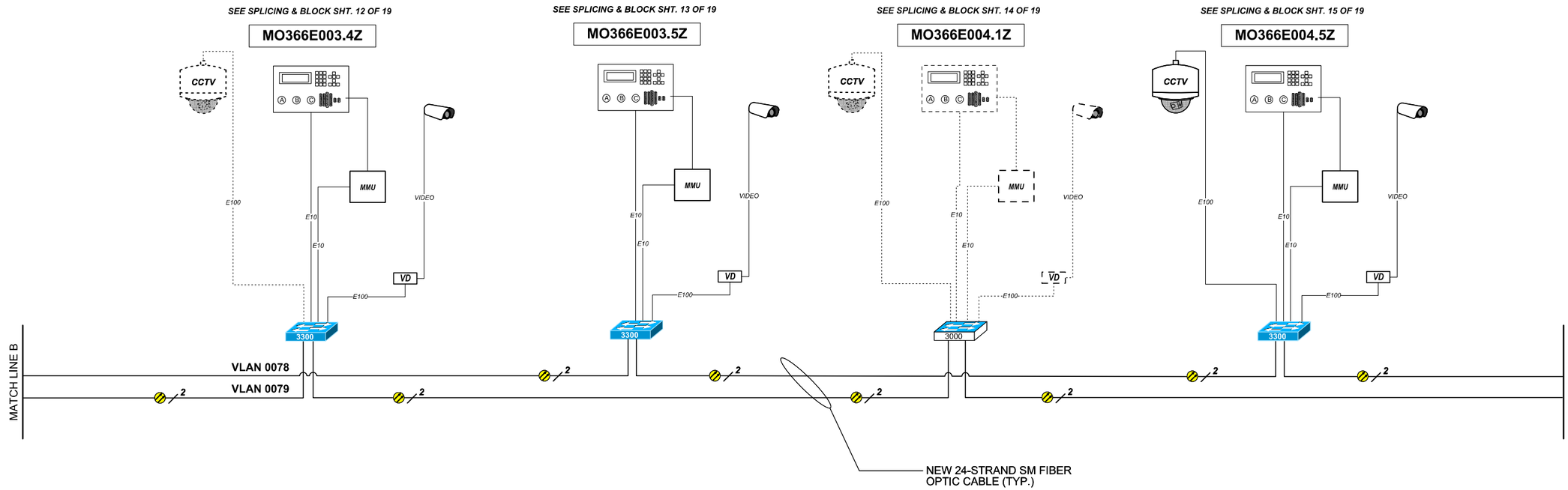
DATE PREPARED	02/07/2024
ROUTE	366
STATE	MO
DISTRICT	SL
SHEET NO.	419
COUNTY	ST. LOUIS
JOB NO.	J6S3582
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

REV.



NOTE:
1) DASHED LINES INDICATE EXISTING EQUIPMENT OR CABLING.
2) ALL FIBER SPLICES ARE NOT SHOWN. SEE SLICE DIAGRAMS.

CONNECTION DETAIL
ROUTE 366
(WATSON RD.)
SHEET 3 OF 4

MI055E001.8T — DEVICE IDENTIFIER

EXISTING/ PROPOSED CCTV CAMERA

DMS — EXISTING/PROPOSED DYNAMIC MESSAGE SIGN

EXISTING CISCO 2950 SWITCH

EXISTING CISCO 3300 SWITCH

PROPOSED CISCO 3300 SWITCH

EXISTING/PROPSED TRAFFIC SIGNAL CONTROLLER

MMU — MALFUNCTION MANAGEMENT UNIT

POWER INJECTOR — CISCO 1400 AIRONET POWER INJECTOR

CISCO 1400 AIRONET WIRELESS ETHERNET BRIDGE

MC — MEDIA CONVERTER

FO DATA MODEM — FIBER OPTIC DATA MODEM

E10 — 10 MBPS ETHERNET

E100 — 100 MBPS ETHERNET

VDS AP — VIDEO DETECTION SYSTEM

SENSYS DETECTION SYSTEM

VD — IP VIDEO ENCODER

DEVICE SERVER — DEVICE SERVER

FIBER OPTIC CABLE

COAX CABLE

TWISTED PAIR CABLE

EXISTING/PROPOSED FUSION SPLICE

10/100 MBPS ETHERNET LINK

OC-48 LINK

OC-12 LINK

PROPOSED CABLE

EXISTING CABLE

WIRELESS CONNECTION

STATE OF MISSOURI
CHARLES A. MILLER
NUMBER E-2002000808
REGISTERED PROFESSIONAL ENGINEER

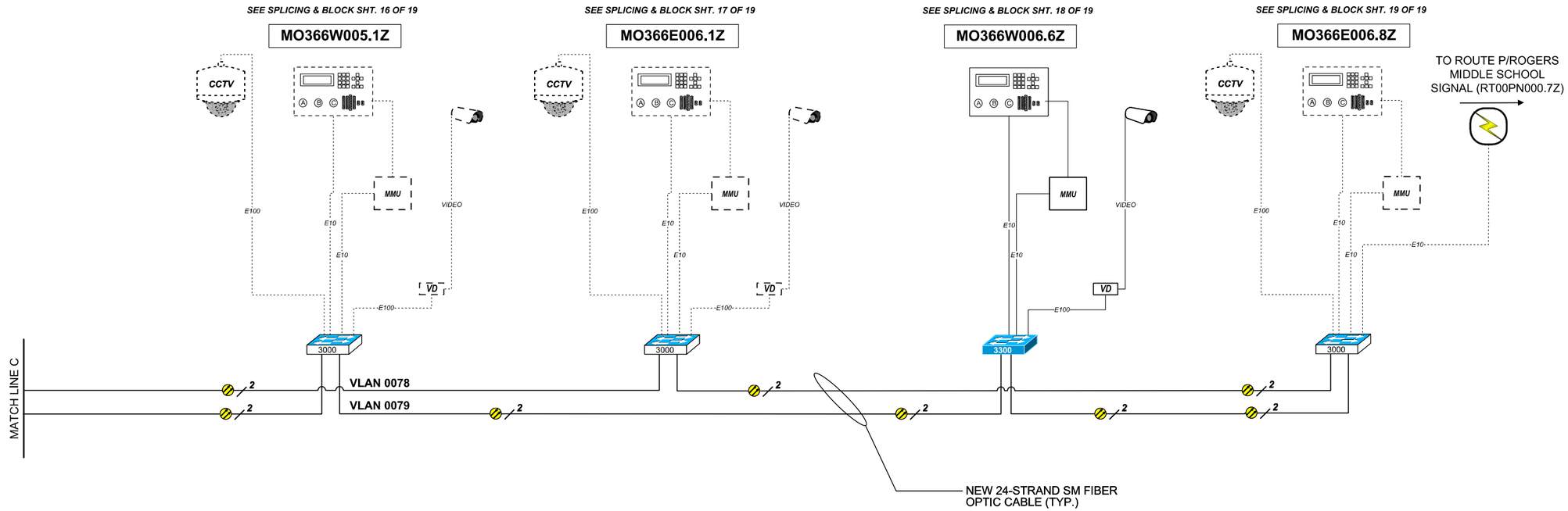
THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED: 02/07/2024
ROUTE: 366
STATE: MO
DISTRICT: SL
SHEET NO.: 420
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE | REV.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



NOTE:
1) DASHED LINES INDICATE EXISTING EQUIPMENT OR CABLING.
2) ALL FIBER SPLICES ARE NOT SHOWN. SEE SLICE DIAGRAMS.

CONNECTION DETAIL
ROUTE 366
(WATSON RD.)
SHEET 4 OF 4

- MI055E001.8T — DEVICE IDENTIFIER
- CCTV / CCTV — EXISTING/ PROPOSED CCTV CAMERA
- DMS / DMS — EXISTING/PROPOSED DYNAMIC MESSAGE SIGN
- 2950 — EXISTING CISCO 2950 SWITCH
- 3300 — EXISTING CISCO 3300 SWITCH
- 3300 — PROPOSED CISCO 3300 SWITCH
- EXISTING/PROPSED TRAFFIC SIGNAL CONTROLLER
- MMU — MALFUNCTION MANAGEMENT UNIT
- POWER INJECTOR — CISCO 1400 AIRONET POWER INJECTOR
- CISCO 1400 AIRONET WIRELESS ETHERNET BRIDGE
- MC — MEDIA CONVERTER
- FO DATA MODEM — FIBER OPTIC DATA MODEM
- E10 — 10 MBPS ETHERNET
- E100 — 100 MBPS ETHERNET
- VIDEO DETECTION SYSTEM
- VDS AP — SENSYS DETECTION SYSTEM
- VD — IP VIDEO ENCODER
- DEVICE SERVER — DEVICE SERVER
- FIBER OPTIC CABLE
- COAX CABLE
- TWISTED PAIR CABLE
- EXISTING/PROPOSED FUSION SPLICE
- 10/100 MBPS ETHERNET LINK
- OC-48 LINK
- OC-12 LINK
- PROPOSED CABLE
- EXISTING CABLE
- WIRELESS CONNECTION

STATE OF MISSOURI
CHARLES A. MILLER
NUMBER E-2002000806
REGISTERED PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED: 02/07/2024
ROUTE: 366 | STATE: MO
DISTRICT: SL | SHEET NO.: 421
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION | DATE | REV.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

J6S3582_Local Overview_v4.vsd 02/07/2024

SEE NOTE 5

VDS AP

IF APPLICABLE

UNINTERRUPTIBLE POWER SUPPLY (UPS) RJ-45

CCTV

MO366E000.8C

SIGNAL CABINET
ROUTE 366 & S GEYER RD.

CAT-5E STP

CAT-5E STP

CISCO IE3300 ETHERNET SWITCH

10/100/1000 PORTS

1 2 3 4 5 6 7 8

TX SFP RX TX SFP RX

TX SFP RX TX SFP RX

CAT-5E STP

SIGNAL MONITOR

CAT-5E STP

ETHERNET ENABLE CONTROLLER

A B C

SDLC

IF APPLICABLE

VIDEO PROCESSORS

BIU

RG-59U RG-59U RG-59U RG-59U

RJ-45 RS-232

RG-59U

1 2 3 4

VIDEO SWITCHER

CAT-5E STP

BACK PANEL

VIDEO MONITOR

IP OUTLET STRIP

RJ-45

CAT-5E STP

WALL-MOUNTED INTERCONNECT CENTER

BLUE TUBE (SINGLE MODE)

BLUE/BLUE
BLUE/ORANGE
BLUE/GREEN
BLUE/BROWN
BLUE/SLATE
BLUE/WHITE
BLUE/RED
BLUE/BLACK
BLUE/YELLOW
BLUE/VIOLET
BLUE/ROSE
BLUE/AQUA

BLUE/BLUE
BLUE/ORANGE
BLUE/GREEN
BLUE/BROWN
BLUE/SLATE
BLUE/WHITE
BLUE/RED
BLUE/BLACK
BLUE/YELLOW
BLUE/VIOLET
BLUE/ROSE
BLUE/AQUA

BLUE TUBE (SINGLE MODE)

ORANGE TUBE (SINGLE MODE)

ORANGE/BLUE
ORANGE/ORANGE
ORANGE/GREEN
ORANGE/BROWN
ORANGE/SLATE
ORANGE/WHITE
ORANGE/RED
ORANGE/BLACK
ORANGE/YELLOW
ORANGE/VIOLET
ORANGE/ROSE
ORANGE/AQUA

ORANGE/BLUE
ORANGE/ORANGE
ORANGE/GREEN
ORANGE/BROWN
ORANGE/SLATE
ORANGE/WHITE
ORANGE/RED
ORANGE/BLACK
ORANGE/YELLOW
ORANGE/VIOLET
ORANGE/ROSE
ORANGE/AQUA

ORANGE TUBE (SINGLE MODE)

EXISTING 24 SM FIBER OPTIC CABLE TO I-44 TERMINAL CABINET IS044E277.2X

NEW 24 SM FIBER OPTIC CABLE TO MO366W001.2Z

KEY

MI170N123.4C	DEVICE IDENTIFIER
CCTV	CCTV CAMERA
CCTV	EXISTING CCTV CAMERA
DMS	DYNAMIC MESSAGE SIGN
DMS	EXISTING DYNAMIC MESSAGE SIGN
	SM PATCH THROUGH FIBER OPTIC JUMPER
	SM EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	SM FIBER OPTIC PIGTAIL
	MM PATCH THROUGH FIBER OPTIC JUMPER
	MM EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	MM FIBER OPTIC PIGTAIL
	BARE FIBER LEFT COILED IN SPLICE TRAY
	EXISTING/PROPOSED FUSION SPLICE
	PATCH PANEL MODULE
	WIRELESS LINK
VDS AP	SENSYS DETECTION SYSTEM

1. MAXIMUM SPLICE LOSS SHALL BE 0.1 dB
2. NO INTERMEDIATE SPLICES ALLOWED
3. ALL SPLICES SHALL BE FUSION SPLICES
4. DASHED LINES INDICATE EXISTING EQUIPMENT OR CABLING.
5. REMOVE AND DELIVER TO MODOT SIGNAL SHOP.

VLAN VL0078

FIBER SPLICING & BLOCK DIAGRAM MO366E000.8Z ROUTE 366 (WATSON RD.) & SOUTH GEYER RD. SHEET 1 OF 19

STATE OF MISSOURI
CHARLES A. MILLER
NUMBER E-2002000606
REGISTERED PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED 02/07/2024

ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	422

COUNTY: ST. LOUIS

JOB NO.: J6S3582

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.:

DESCRIPTION

DATE

REV.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

MoDOT

J6S3582_Splicing_v4.VSDX

02/07/2024

IF APPLICABLE

UNINTERRUPTIBLE POWER SUPPLY (UPS)

RJ-45

SIGNAL CABINET
ROUTE 366 & SUNSET OFFICE DR.

CAT-5E STP

CISCO IE3300
ETHERNET SWITCH

10/100/1000 PORTS

1
2
3
4
5
6
7
8

SFP TX
SFP RX
SFP TX
SFP RX

SIGNAL MONITOR

ETHERNET ENABLE CONTROLLER

A B C

SDLC

IP OUTLET STRIP

RJ-45

BACK PANEL

VIDEO MONITOR

RG-59U

IF APPLICABLE

VIDEO PROCESSORS

BIU

RJ-45

RS-232

RG-59U

VIDEO SWITCHER

1 2 3 4

WALL-MOUNTED INTERCONNECT CENTER

NEW 24 SM FIBER OPTIC CABLE TO MO366E000.8Z

BLUE TUBE (SINGLE MODE)

ORANGE TUBE (SINGLE MODE)

BLUE/BLUE	BLUE/BLUE
BLUE/ORANGE	BLUE/ORANGE
BLUE/GREEN	BLUE/GREEN
BLUE/BROWN	BLUE/BROWN
BLUE/SLATE	BLUE/SLATE
BLUE/WHITE	BLUE/WHITE
BLUE/RED	BLUE/RED
BLUE/BLACK	BLUE/BLACK
BLUE/YELLOW	BLUE/YELLOW
BLUE/VIOLET	BLUE/VIOLET
BLUE/ROSE	BLUE/ROSE
BLUE/AQUA	BLUE/AQUA
ORANGE/BLUE	ORANGE/BLUE
ORANGE/ORANGE	ORANGE/ORANGE
ORANGE/GREEN	ORANGE/GREEN
ORANGE/BROWN	ORANGE/BROWN
ORANGE/SLATE	ORANGE/SLATE
ORANGE/WHITE	ORANGE/WHITE
ORANGE/RED	ORANGE/RED
ORANGE/BLACK	ORANGE/BLACK
ORANGE/YELLOW	ORANGE/YELLOW
ORANGE/VIOLET	ORANGE/VIOLET
ORANGE/ROSE	ORANGE/ROSE
ORANGE/AQUA	ORANGE/AQUA

BLUE TUBE (SINGLE MODE)

ORANGE TUBE (SINGLE MODE)

NEW 24 SM FIBER OPTIC CABLE TO MO366E001.3Z

KEY

MI170N123.4C	DEVICE IDENTIFIER
CCTV	CCTV CAMERA
CCTV	EXISTING CCTV CAMERA
DMS	DYNAMIC MESSAGE SIGN
DMS	EXISTING DYNAMIC MESSAGE SIGN
	SM PATCH THROUGH FIBER OPTIC JUMPER
	SM EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	SM FIBER OPTIC PIGTAIL
	MM PATCH THROUGH FIBER OPTIC JUMPER
	MM EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	MM FIBER OPTIC PIGTAIL
	BARE FIBER LEFT COILED IN SPLICE TRAY
	EXISTING/PROPOSED FUSION SPLICE
	PATCH PANEL MODULE
	WIRELESS LINK
VDS AP	SENSYS DETECTION SYSTEM

1. MAXIMUM SPLICE LOSS SHALL BE 0.1 dB
2. NO INTERMEDIATE SPLICES ALLOWED
3. ALL SPLICES SHALL BE FUSION SPLICES
4. DASHED LINES INDICATE EXISTING EQUIPMENT OR CABLING.

VLAN
VL0078

FIBER SPLICING & BLOCK DIAGRAM
MO366W001.2Z
ROUTE 366 (WATSON RD.) & SUNSET OFFICE DR.
SHEET 2 OF 19

STATE OF MISSOURI
CHARLES A. MILLER
NUMBER E-2002000606
REGISTERED PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED	02/07/2024
ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	423
COUNTY	ST. LOUIS
JOB NO.	J6S3582
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

REV.

J6S3582_Splicing_v4.VSDX

02/07/2024

SEE NOTE 5

VDS AP

IF APPLICABLE

UNINTERRUPTIBLE POWER SUPPLY (UPS)

RJ-45

SIGNAL CABINET
ROUTE 366 & US 50/61/67 SB RAMPS

CAT-5E STP

CISCO IE3300 ETHERNET SWITCH

10/100/1000 PORTS

1
2
3
4
5
6
7
8

SFP TX
SFP RX
SFP TX
SFP RX

CAT-5E STP

SIGNAL MONITOR

CAT-5E STP

ETHERNET ENABLE CONTROLLER

A B C

SDLC

IF APPLICABLE

VIDEO PROCESSORS

BIU

RJ-45

RS-232

RG-59U

RG-59U

RG-59U

RG-59U

1 2 3 4

VIDEO SWITCHER

CAT-5E STP

IP OUTLET STRIP

RJ-45

CAT-5E STP

BACK PANEL

VIDEO MONITOR

RG-59U

WALL-MOUNTED INTERCONNECT CENTER

NEW 24 SM FIBER OPTIC CABLE TO MO366W001.2Z

BLUE TUBE (SINGLE MODE)

ORANGE TUBE (SINGLE MODE)

BLUE/BLUE	BLUE/BLUE
BLUE/ORANGE	BLUE/ORANGE
BLUE/GREEN	BLUE/GREEN
BLUE/BROWN	BLUE/BROWN
BLUE/SLATE	BLUE/SLATE
BLUE/WHITE	BLUE/WHITE
BLUE/RED	BLUE/RED
BLUE/BLACK	BLUE/BLACK
BLUE/YELLOW	BLUE/YELLOW
BLUE/VIOLET	BLUE/VIOLET
BLUE/ROSE	BLUE/ROSE
BLUE/AQUA	BLUE/AQUA
ORANGE/BLUE	ORANGE/BLUE
ORANGE/ORANGE	ORANGE/ORANGE
ORANGE/GREEN	ORANGE/GREEN
ORANGE/BROWN	ORANGE/BROWN
ORANGE/SLATE	ORANGE/SLATE
ORANGE/WHITE	ORANGE/WHITE
ORANGE/RED	ORANGE/RED
ORANGE/BLACK	ORANGE/BLACK
ORANGE/YELLOW	ORANGE/YELLOW
ORANGE/VIOLET	ORANGE/VIOLET
ORANGE/ROSE	ORANGE/ROSE
ORANGE/AQUA	ORANGE/AQUA

BLUE TUBE (SINGLE MODE)

ORANGE TUBE (SINGLE MODE)

NEW 24 SM FIBER OPTIC CABLE TO MO366E001.4Z

KEY

MI170N123.4C	DEVICE IDENTIFIER
CCTV	CCTV CAMERA
CCTV	EXISTING CCTV CAMERA
DMS	DYNAMIC MESSAGE SIGN
DMS	EXISTING DYNAMIC MESSAGE SIGN
	SM PATCH THROUGH FIBER OPTIC JUMPER
	SM EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	SM FIBER OPTIC PIGTAIL
	MM PATCH THROUGH FIBER OPTIC JUMPER
	MM EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	MM FIBER OPTIC PIGTAIL
	BARE FIBER LEFT COILED IN SPLICE TRAY
	EXISTING/PROPOSED FUSION SPLICE
	PATCH PANEL MODULE
	WIRELESS LINK
VDS AP	SENSYS DETECTION SYSTEM

1. MAXIMUM SPLICE LOSS SHALL BE 0.1 dB
2. NO INTERMEDIATE SPLICES ALLOWED
3. ALL SPLICES SHALL BE FUSION SPLICES
4. DASHED LINES INDICATE EXISTING EQUIPMENT OR CABLING.
5. REMOVE AND DELIVER TO MODOT SIGNAL SHOP.

VLAN VL0079

FIBER SPLICING & BLOCK DIAGRAM
MO366E001.3Z
ROUTE 366 (WATSON RD.) & US 50/61/67 SB RAMPS
SHEET 3 OF 19

STATE OF MISSOURI
CHARLES A. MILLER
NUMBER E-2002000606
REGISTERED PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DATE PREPARED	02/07/2024
ROUTE	366
STATE	MO
DISTRICT	SL
SHEET NO.	424
COUNTY	ST. LOUIS
JOB NO.	J6S3582
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

DATE

REV.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

MoDOT

J6S3582_Splicing_v4.VSDX

02/07/2024

IF APPLICABLE

UNINTERRUPTIBLE POWER SUPPLY (UPS)
RJ-45

SIGNAL CABINET
ROUTE 366 & US 50/61/67 NB RAMPS

CISCO IE3300 ETHERNET SWITCH
10/100/1000 PORTS
1
2
3 SFP TX RX
4
5 SFP TX RX
6
7
8

CAT-5E STP

SIGNAL MONITOR

ETHERNET ENABLE CONTROLLER
A B C

IP OUTLET STRIP
RJ-45

BACK PANEL

IF APPLICABLE

RG-59U

VIDEO PROCESSORS
BIU
RJ-45
RS-232

SDLC

RG-59U

VIDEO SWITCHER
1 2 3 4

VIDEO MONITOR

WALL-MOUNTED INTERCONNECT CENTER

BLUE TUBE (SINGLE MODE)

ORANGE TUBE (SINGLE MODE)

BLUE/BLUE	BLUE/BLUE
BLUE/ORANGE	BLUE/ORANGE
BLUE/GREEN	BLUE/GREEN
BLUE/BROWN	BLUE/BROWN
BLUE/SLATE	BLUE/SLATE
BLUE/WHITE	BLUE/WHITE
BLUE/RED	BLUE/RED
BLUE/BLACK	BLUE/BLACK
BLUE/YELLOW	BLUE/YELLOW
BLUE/VIOLET	BLUE/VIOLET
BLUE/ROSE	BLUE/ROSE
BLUE/AQUA	BLUE/AQUA
ORANGE/BLUE	ORANGE/BLUE
ORANGE/ORANGE	ORANGE/ORANGE
ORANGE/GREEN	ORANGE/GREEN
ORANGE/BROWN	ORANGE/BROWN
ORANGE/SLATE	ORANGE/SLATE
ORANGE/WHITE	ORANGE/WHITE
ORANGE/RED	ORANGE/RED
ORANGE/BLACK	ORANGE/BLACK
ORANGE/YELLOW	ORANGE/YELLOW
ORANGE/VIOLET	ORANGE/VIOLET
ORANGE/ROSE	ORANGE/ROSE
ORANGE/AQUA	ORANGE/AQUA

NEW 24 SM FIBER OPTIC CABLE TO MO366E001.3Z

NEW 24 SM FIBER OPTIC CABLE TO MO366E002.0Z

KEY

MI170N123.4C	DEVICE IDENTIFIER
CCTV	CCTV CAMERA
CCTV	EXISTING CCTV CAMERA
DMS	DYNAMIC MESSAGE SIGN
DMS	EXISTING DYNAMIC MESSAGE SIGN
	SM PATCH THROUGH FIBER OPTIC JUMPER
	SM EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	SM FIBER OPTIC PIGTAIL
	MM PATCH THROUGH FIBER OPTIC JUMPER
	MM EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	MM FIBER OPTIC PIGTAIL
	BARE FIBER LEFT COILED IN SPLICE TRAY
	EXISTING/PROPOSED FUSION SPLICE
	PATCH PANEL MODULE
	WIRELESS LINK
VDS AP	SENSYS DETECTION SYSTEM

1. MAXIMUM SPLICE LOSS SHALL BE 0.1 dB
2. NO INTERMEDIATE SPLICES ALLOWED
3. ALL SPLICES SHALL BE FUSION SPLICES
4. DASHED LINES INDICATE EXISTING EQUIPMENT OR CABLING.
5. REMOVE AND DELIVER TO MODOT SIGNAL SHOP.

VLAN VL0079

FIBER SPLICING & BLOCK DIAGRAM
MO366E001.4Z
ROUTE 366 (WATSON RD.) & US 50/61/67 NB RAMPS
SHEET 4 OF 19

STATE OF MISSOURI
CHARLES A. MILLER
NUMBER E-2002000806
REGISTERED PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED	02/07/2024
ROUTE	366
STATE	MO
DISTRICT	SL
SHEET NO.	425
COUNTY	ST. LOUIS
JOB NO.	J6S3582
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

REV.

J6S3582_Splicing_v4.VSDX 02/07/2024

SEE NOTE 5

VDS AP

IF APPLICABLE

UNINTERRUPTIBLE POWER SUPPLY (UPS)

RJ-45

CCTV

MO366E002.0C

SIGNAL CABINET
ROUTE 366 & STURDY DR.

CAT-5E STP

SIGNAL MONITOR

CISCO IE3300
ETHERNET SWITCH

1
2
3
4
5
6
7
8

10/100/1000 PORTS

SFP TX
SFP RX
SFP TX
SFP RX

CAT-5E STP

CAT-5E STP

IP OUTLET STRIP

RJ-45

CAT-5E STP

ETHERNET ENABLE CONTROLLER

A
B
C

CAT-5E STP

BACK PANEL

IF APPLICABLE

VIDEO PROCESSORS

RG-59U

RJ-45

RS-232

BIU

SDLC

RG-59U

RG-59U

RG-59U

1 2 3 4

VIDEO SWITCHER

VIDEO MONITOR

WALL-MOUNTED INTERCONNECT CENTER

NEW 24 SM FIBER OPTIC CABLE TO MO366E001.4Z

BLUE TUBE
(SINGLE MODE)

ORANGE TUBE
(SINGLE MODE)

BLUE/BLUE	BLUE/BLUE
BLUE/ORANGE	BLUE/ORANGE
BLUE/GREEN	BLUE/GREEN
BLUE/BROWN	BLUE/BROWN
BLUE/SLATE	BLUE/SLATE
BLUE/WHITE	BLUE/WHITE
BLUE/RED	BLUE/RED
BLUE/BLACK	BLUE/BLACK
BLUE/YELLOW	BLUE/YELLOW
BLUE/VIOLET	BLUE/VIOLET
BLUE/ROSE	BLUE/ROSE
BLUE/AQUA	BLUE/AQUA
ORANGE/BLUE	ORANGE/BLUE
ORANGE/ORANGE	ORANGE/ORANGE
ORANGE/GREEN	ORANGE/GREEN
ORANGE/BROWN	ORANGE/BROWN
ORANGE/SLATE	ORANGE/SLATE
ORANGE/WHITE	ORANGE/WHITE
ORANGE/RED	ORANGE/RED
ORANGE/BLACK	ORANGE/BLACK
ORANGE/YELLOW	ORANGE/YELLOW
ORANGE/VIOLET	ORANGE/VIOLET
ORANGE/ROSE	ORANGE/ROSE
ORANGE/AQUA	ORANGE/AQUA

BLUE TUBE
(SINGLE MODE)

ORANGE TUBE
(SINGLE MODE)

NEW 24 SM FIBER OPTIC CABLE TO MO366E002.4Z

KEY

MI170N123.4C	DEVICE IDENTIFIER
CCTV	CCTV CAMERA
CCTV	EXISTING CCTV CAMERA
DMS	DYNAMIC MESSAGE SIGN
DMS	EXISTING DYNAMIC MESSAGE SIGN
	SM PATCH THROUGH FIBER OPTIC JUMPER
	SM EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	SM FIBER OPTIC PIGTAIL
	MM PATCH THROUGH FIBER OPTIC JUMPER
	MM EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	MM FIBER OPTIC PIGTAIL
	BARE FIBER LEFT COILED IN SPLICE TRAY
	EXISTING/PROPOSED FUSION SPLICE
	PATCH PANEL MODULE
	WIRELESS LINK
VDS AP	SENSYS DETECTION SYSTEM

1. MAXIMUM SPLICE LOSS SHALL BE 0.1 dB
2. NO INTERMEDIATE SPLICES ALLOWED
3. ALL SPLICES SHALL BE FUSION SPLICES
4. DASHED LINES INDICATE EXISTING EQUIPMENT OR CABLING.
5. REMOVE AND DELIVER TO MODOT SIGNAL SHOP.

VLAN
VL0078

FIBER SPLICING & BLOCK DIAGRAM
MO366E002.0Z
ROUTE 366 (WATSON RD.) & STURDY DR.
SHEET 5 OF 19

STATE OF MISSOURI
CHARLES A. MILLER
NUMBER E-2002000806
REGISTERED PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED	02/07/2024
ROUTE	366
STATE	MO
DISTRICT	SL
SHEET NO.	426
COUNTY	ST. LOUIS
JOB NO.	J6S3582
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

REV.

IF APPLICABLE

UNINTERRUPTIBLE POWER SUPPLY (UPS)

RJ-45

CCTV

MO366E002.4C

SIGNAL CABINET
ROUTE 366 & GLENWOOD DR.

CAT-5E STP

SIGNAL MONITOR

CISCO IE3300
ETHERNET SWITCH

10/100/1000 PORTS

1
2
3 — SFP TX / RX
4
5 — SFP TX / RX
6
7
8

IP OUTLET STRIP

RJ-45

CAT-5E STP

ETHERNET ENABLE CONTROLLER

A B C

SDLC

IF APPLICABLE

VIDEO PROCESSORS

BIU

RJ-45

RS-232

RG-59U

1 2 3 4

VIDEO SWITCHER

VIDEO MONITOR

BACK PANEL

WALL-MOUNTED INTERCONNECT CENTER

NEW 24 SM FIBER OPTIC CABLE TO MO366E002.0Z

BLUE TUBE (SINGLE MODE)

ORANGE TUBE (SINGLE MODE)

BLUE/BLUE	BLUE/BLUE
BLUE/ORANGE	BLUE/ORANGE
BLUE/GREEN	BLUE/GREEN
BLUE/BROWN	BLUE/BROWN
BLUE/SLATE	BLUE/SLATE
BLUE/WHITE	BLUE/WHITE
BLUE/RED	BLUE/RED
BLUE/BLACK	BLUE/BLACK
BLUE/YELLOW	BLUE/YELLOW
BLUE/VIOLET	BLUE/VIOLET
BLUE/ROSE	BLUE/ROSE
BLUE/AQUA	BLUE/AQUA
ORANGE/BLUE	ORANGE/BLUE
ORANGE/ORANGE	ORANGE/ORANGE
ORANGE/GREEN	ORANGE/GREEN
ORANGE/BROWN	ORANGE/BROWN
ORANGE/SLATE	ORANGE/SLATE
ORANGE/WHITE	ORANGE/WHITE
ORANGE/RED	ORANGE/RED
ORANGE/BLACK	ORANGE/BLACK
ORANGE/YELLOW	ORANGE/YELLOW
ORANGE/VIOLET	ORANGE/VIOLET
ORANGE/ROSE	ORANGE/ROSE
ORANGE/AQUA	ORANGE/AQUA

BLUE TUBE (SINGLE MODE)

ORANGE TUBE (SINGLE MODE)

NEW 24 SM FIBER OPTIC CABLE TO MO366W002.6Z

VLAN VL0079

KEY

MI170N123.4C — DEVICE IDENTIFIER

CCTV — CCTV CAMERA

CCTV — EXISTING CCTV CAMERA

DMS — DYNAMIC MESSAGE SIGN

DMS — EXISTING DYNAMIC MESSAGE SIGN

SM PATCH THROUGH FIBER OPTIC JUMPER

SM EQUIPMENT CONNECTION FIBER OPTIC JUMPER

SM FIBER OPTIC PIGTAIL

MM PATCH THROUGH FIBER OPTIC JUMPER

MM EQUIPMENT CONNECTION FIBER OPTIC JUMPER

MM FIBER OPTIC PIGTAIL

BARE FIBER LEFT COILED IN SPLICE TRAY

EXISTING/PROPOSED FUSION SPLICE

PATCH PANEL MODULE

WIRELESS LINK

VDS AP — SENSYS DETECTION SYSTEM

1. MAXIMUM SPLICE LOSS SHALL BE 0.1 dB
2. NO INTERMEDIATE SPLICES ALLOWED
3. ALL SPLICES SHALL BE FUSION SPLICES
4. DASHED LINES INDICATE EXISTING EQUIPMENT OR CABLING.

FIBER SPLICING & BLOCK DIAGRAM
MO366E002.4Z
ROUTE 366 (WATSON RD.) & GLENWOOD DR.
SHEET 6 OF 19

STATE OF MISSOURI
CHARLES A. MILLER
NUMBER E-2002000606
REGISTERED PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED	02/07/2024
ROUTE	366
STATE	MO
DISTRICT	SL
SHEET NO.	427
COUNTY	ST. LOUIS
JOB NO.	J6S3582
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

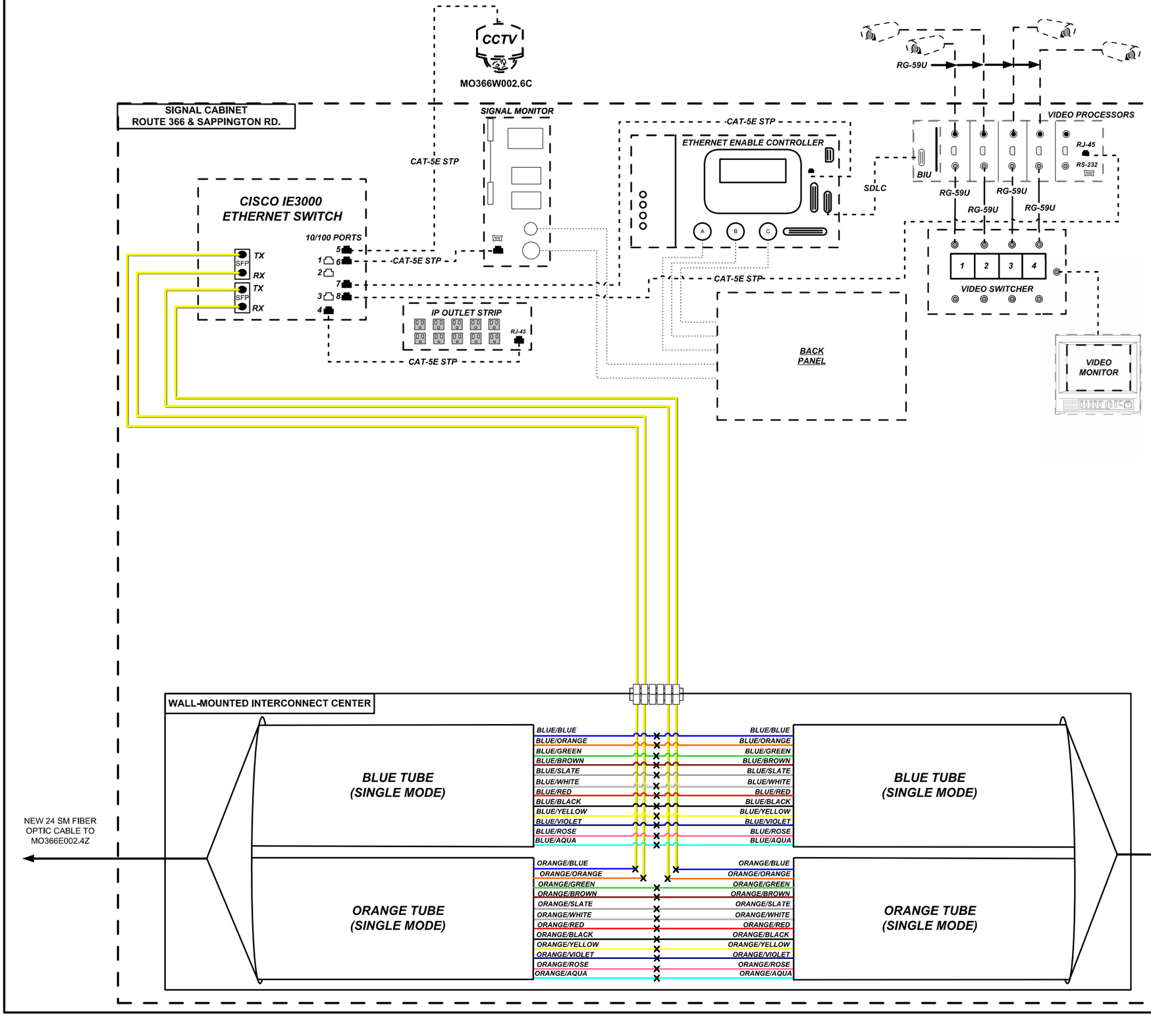
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

MoDOT

REV.

J6S3582_Splicing_v4.VSDX

02/07/2024



KEY

MI170N123.4C	DEVICE IDENTIFIER
CCTV	CCTV CAMERA
CCTV	EXISTING CCTV CAMERA
DMS	DYNAMIC MESSAGE SIGN
DMS	EXISTING DYNAMIC MESSAGE SIGN
	SM PATCH THROUGH FIBER OPTIC JUMPER
	SM EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	SM FIBER OPTIC PIGTAIL
	MM PATCH THROUGH FIBER OPTIC JUMPER
	MM EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	MM FIBER OPTIC PIGTAIL
	BARE FIBER LEFT COILED IN SPLICE TRAY
	EXISTING/PROPOSED FUSION SPLICE
	PATCH PANEL MODULE
	WIRELESS LINK
VDS AP	SENSYS DETECTION SYSTEM

1. MAXIMUM SPLICE LOSS SHALL BE 0.1 dB
2. NO INTERMEDIATE SPLICES ALLOWED
3. ALL SPLICES SHALL BE FUSION SPLICES
4. DASHED LINES INDICATE EXISTING EQUIPMENT OR CABLING.

VLAN
VL0078

FIBER SPLICING & BLOCK DIAGRAM
MO366W002.6Z
ROUTE 366 (WATSON RD.) & SAPPINGTON RD.
SHEET 7 OF 19

STATE OF MISSOURI
CHARLES A. MILLER
NUMBER E-2002000605
REGISTERED PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

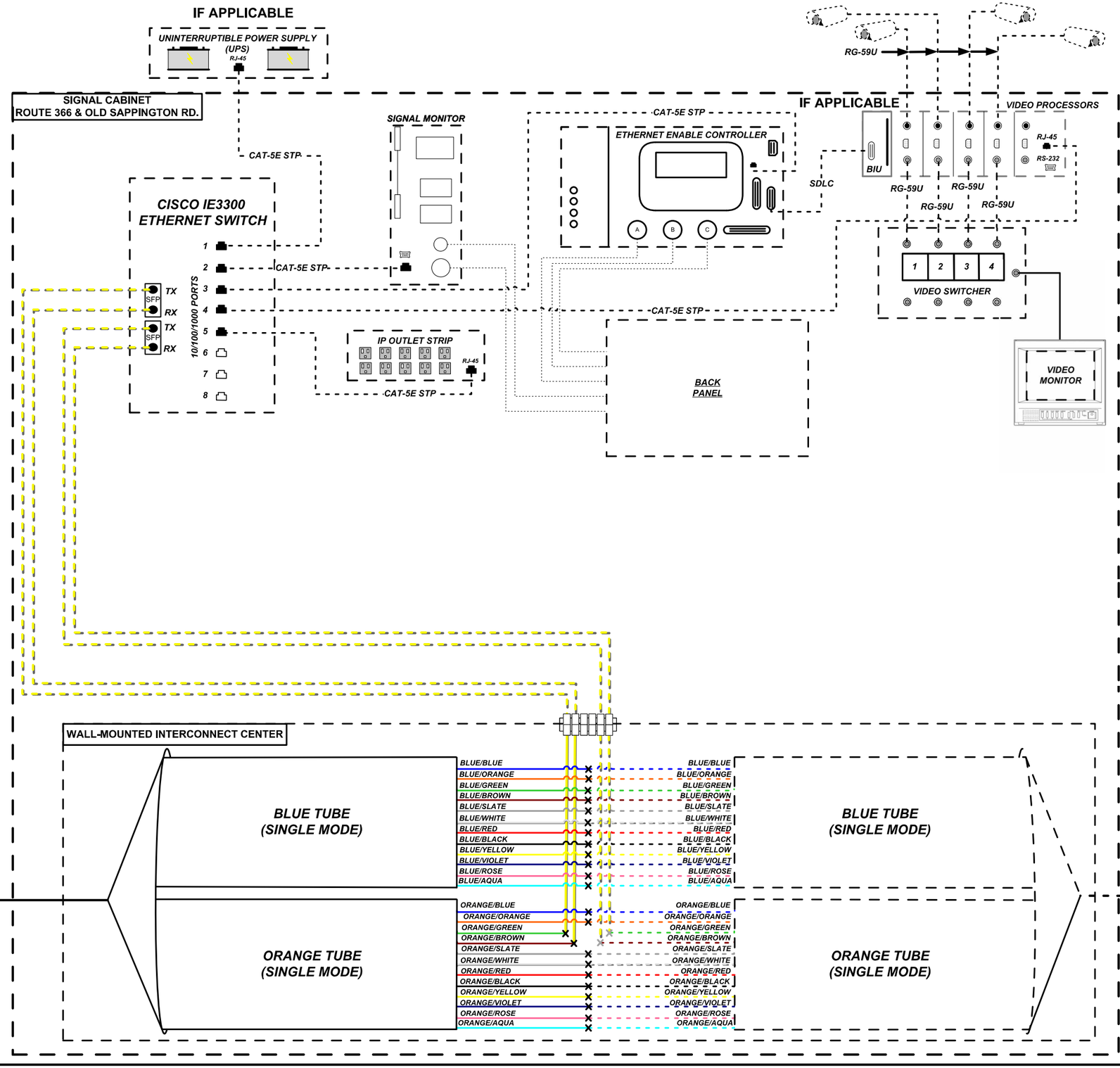
DATE PREPARED	02/07/2024
ROUTE	366
STATE	MO
DISTRICT	SL
SHEET NO.	428
COUNTY	ST. LOUIS
JOB NO.	J6S3582
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

REV.



KEY

MI170N123.4C	DEVICE IDENTIFIER
CCTV	CCTV CAMERA
CCTV	EXISTING CCTV CAMERA
DMS	DYNAMIC MESSAGE SIGN
DMS	EXISTING DYNAMIC MESSAGE SIGN
	SM PATCH THROUGH FIBER OPTIC JUMPER
	SM EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	SM FIBER OPTIC PIGTAIL
	MM PATCH THROUGH FIBER OPTIC JUMPER
	MM EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	MM FIBER OPTIC PIGTAIL
	BARE FIBER LEFT COILED IN SPLICE TRAY
	EXISTING/PROPOSED FUSION SPLICE
	PATCH PANEL MODULE
	WIRELESS LINK
VDS AP	SENSYS DETECTION SYSTEM

1. MAXIMUM SPLICE LOSS SHALL BE 0.1 dB
2. NO INTERMEDIATE SPLICES ALLOWED
3. ALL SPLICES SHALL BE FUSION SPLICES
4. DASHED LINES INDICATE EXISTING EQUIPMENT OR CABLING.

VLAN VL0079

FIBER SPLICING & BLOCK DIAGRAM
MO366E002.7Z
ROUTE 366 (WATSON RD.) & OLD SAPPINGTON RD.
SHEET 8 OF 19

STATE OF MISSOURI
CHARLES A. MILLER
NUMBER E-2002000606
REGISTERED PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

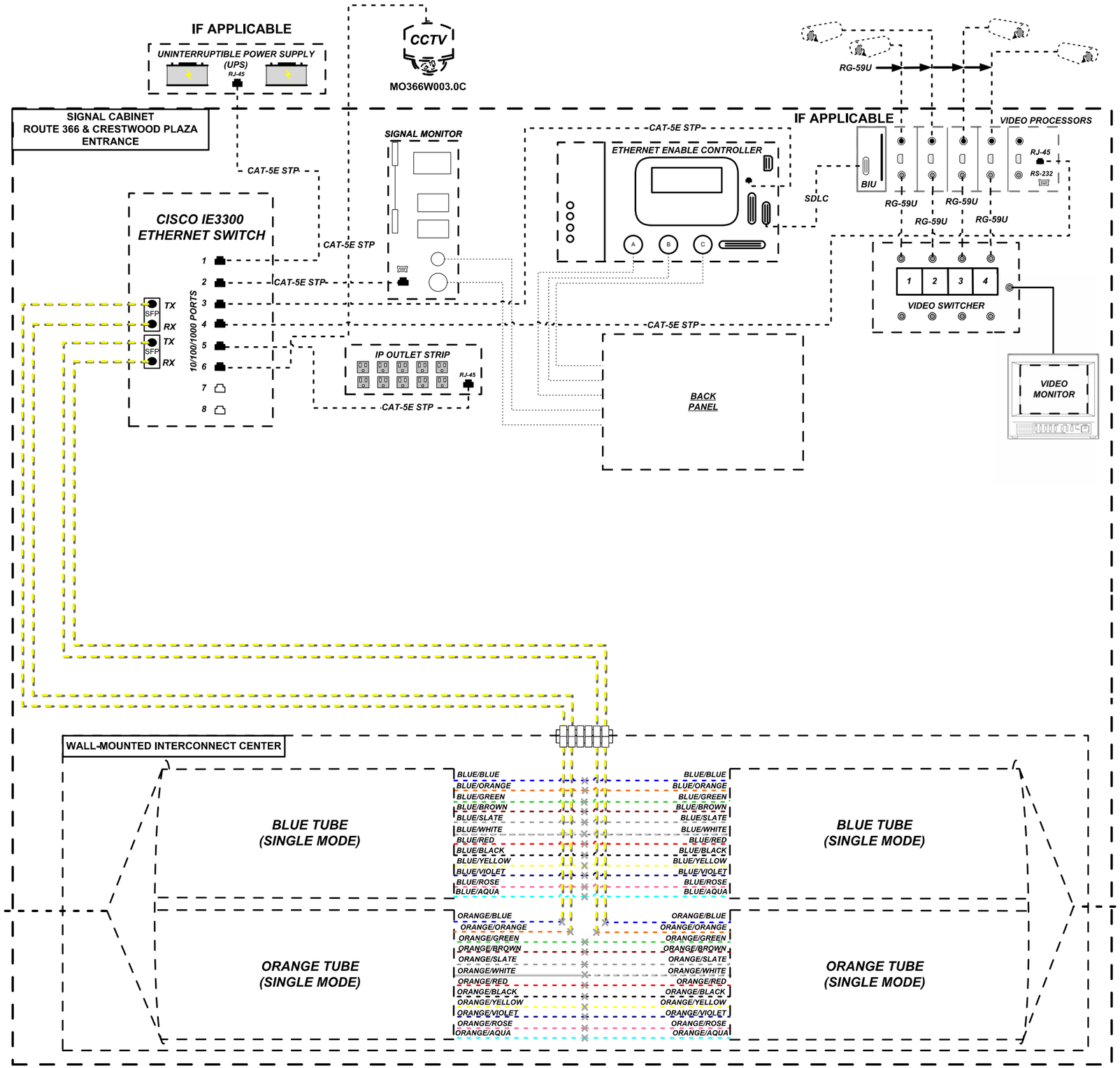
DATE PREPARED	02/07/2024
ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	429
COUNTY	ST. LOUIS
JOB NO.	J6S3582
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

REV.

J6S3582_Splicing_v4.VSDX 02/07/2024



KEY

MI170N123.4C	DEVICE IDENTIFIER
CCTV	CCTV CAMERA
CCTV	EXISTING CCTV CAMERA
DMS	DYNAMIC MESSAGE SIGN
DMS	EXISTING DYNAMIC MESSAGE SIGN
	SM PATCH THROUGH FIBER OPTIC JUMPER
	SM EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	SM FIBER OPTIC PIGTAIL
	MM PATCH THROUGH FIBER OPTIC JUMPER
	MM EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	MM FIBER OPTIC PIGTAIL
	BARE FIBER LEFT COILED IN SPLICE TRAY
	EXISTING/PROPOSED FUSION SPLICE
	PATCH PANEL MODULE
	WIRELESS LINK
VDS AP	SENSYS DETECTION SYSTEM

1. MAXIMUM SPLICE LOSS SHALL BE 0.1 dB
2. NO INTERMEDIATE SPLICES ALLOWED
3. ALL SPLICES SHALL BE FUSION SPLICES
4. DASHED LINES INDICATE EXISTING EQUIPMENT OR CABLING.

VLAN VL0078

FIBER SPLICING & BLOCK DIAGRAM
MO366W003.0Z
ROUTE 366 (WATSON RD.) & CRESTWOOD PLAZA ENTRANCE
SHEET 9 OF 19

STATE OF MISSOURI
CHARLES A. MILLER
NUMBER E-2002000606
REGISTERED PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DATE PREPARED	02/07/2024
ROUTE	366
STATE	MO
DISTRICT	SL
SHEET NO.	430
COUNTY	ST. LOUIS
JOB NO.	J6S3582
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

REV.

J6S3582_Splicing_v4.VSDX 02/07/2024

SEE NOTE 5

VDS AP

IF APPLICABLE

UNINTERRUPTIBLE POWER SUPPLY (UPS)

RJ-45

CCTV

MO366W003.2C

SIGNAL CABINET
ROUTE 366 & CRESTVIEW LN.

CAT-5E STP

CISCO IE3300 ETHERNET SWITCH

1
2
3
4
5
6
7
8

10/100/1000 PORTS

SFP TX
SFP RX
SFP TX
SFP RX

SIGNAL MONITOR

IP OUTLET STRIP

RJ-45

BACK PANEL

ETHERNET ENABLE CONTROLLER

A
B
C

IF APPLICABLE

BIU

SDLC

RG-59U

VIDEO PROCESSORS

RJ-45
RS-232

1
2
3
4

VIDEO SWITCHER

VIDEO MONITOR

WALL-MOUNTED INTERCONNECT CENTER

EXISTING 24 SM FIBER OPTIC CABLE TO MO366W003.0Z

BLUE TUBE (SINGLE MODE)

BLUE/BLUE
BLUE/ORANGE
BLUE/GREEN
BLUE/BROWN
BLUE/SLATE
BLUE/WHITE
BLUE/RED
BLUE/BLACK
BLUE/YELLOW
BLUE/VIOLET
BLUE/ROSE
BLUE/AQUA

ORANGE TUBE (SINGLE MODE)

ORANGE/BLUE
ORANGE/ORANGE
ORANGE/GREEN
ORANGE/BROWN
ORANGE/SLATE
ORANGE/WHITE
ORANGE/RED
ORANGE/BLACK
ORANGE/YELLOW
ORANGE/VIOLET
ORANGE/ROSE
ORANGE/AQUA

NEW 24 SM FIBER OPTIC CABLE TO MO366E003.3Z

VLAN
VL0079

KEY

MI170N123.4C — DEVICE IDENTIFIER

CCTV — CCTV CAMERA

CCTV — EXISTING CCTV CAMERA

DMS — DYNAMIC MESSAGE SIGN

DMS — EXISTING DYNAMIC MESSAGE SIGN

SM PATCH THROUGH FIBER OPTIC JUMPER

SM EQUIPMENT CONNECTION FIBER OPTIC JUMPER

SM FIBER OPTIC PIGTAIL

MM PATCH THROUGH FIBER OPTIC JUMPER

MM EQUIPMENT CONNECTION FIBER OPTIC JUMPER

MM FIBER OPTIC PIGTAIL

BARE FIBER LEFT COILED IN SPLICE TRAY

EXISTING/PROPOSED FUSION SPLICE

PATCH PANEL MODULE

WIRELESS LINK

VDS AP — SENSYS DETECTION SYSTEM

1. MAXIMUM SPLICE LOSS SHALL BE 0.1 dB
2. NO INTERMEDIATE SPLICES ALLOWED
3. ALL SPLICES SHALL BE FUSION SPLICES
4. DASHED LINES INDICATE EXISTING EQUIPMENT OR CABLING.
5. REMOVE AND DELIVER TO MODOT SIGNAL SHOP.

FIBER SPLICING & BLOCK DIAGRAM
MO366W003.2Z
ROUTE 366 (WATSON RD.) & CRESTVIEW LANE
SHEET 10 OF 19

STATE OF MISSOURI
CHARLES A. MILLER
NUMBER E-2002000606
REGISTERED PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED: 02/07/2024
ROUTE: 366
STATE: MO
DISTRICT: SL
SHEET NO.: 431
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION
DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

REV.

IF APPLICABLE

UNINTERRUPTIBLE POWER SUPPLY (UPS)

RJ-45

SIGNAL CABINET
ROUTE 366 & WATSON INDUSTRIAL PARK

CAT-5E STP

CISCO IE3300 ETHERNET SWITCH

10/100/1000 PORTS

1
2
3
4
5
6
7
8

SFP TX
SFP RX
SFP TX
SFP RX

CAT-5E STP

SIGNAL MONITOR

CAT-5E STP

IP OUTLET STRIP

RJ-45

CAT-5E STP

ETHERNET ENABLE CONTROLLER

A
B
C

SDLC

CAT-5E STP

BACK PANEL

RG-59U

IF APPLICABLE

VIDEO PROCESSORS

BIU

RJ-45

RS-232

RG-59U
RG-59U
RG-59U
RG-59U

1 2 3 4

VIDEO SWITCHER

VIDEO MONITOR

WALL-MOUNTED INTERCONNECT CENTER

NEW 24 SM FIBER OPTIC CABLE TO MO366W003.2Z

BLUE TUBE (SINGLE MODE)

ORANGE TUBE (SINGLE MODE)

BLUE/BLUE	BLUE/BLUE
BLUE/ORANGE	BLUE/ORANGE
BLUE/GREEN	BLUE/GREEN
BLUE/BROWN	BLUE/BROWN
BLUE/SLATE	BLUE/SLATE
BLUE/WHITE	BLUE/WHITE
BLUE/RED	BLUE/RED
BLUE/BLACK	BLUE/BLACK
BLUE/YELLOW	BLUE/YELLOW
BLUE/VIOLET	BLUE/VIOLET
BLUE/ROSE	BLUE/ROSE
BLUE/AQUA	BLUE/AQUA
ORANGE/BLUE	ORANGE/BLUE
ORANGE/ORANGE	ORANGE/ORANGE
ORANGE/GREEN	ORANGE/GREEN
ORANGE/BROWN	ORANGE/BROWN
ORANGE/SLATE	ORANGE/SLATE
ORANGE/WHITE	ORANGE/WHITE
ORANGE/RED	ORANGE/RED
ORANGE/BLACK	ORANGE/BLACK
ORANGE/YELLOW	ORANGE/YELLOW
ORANGE/VIOLET	ORANGE/VIOLET
ORANGE/ROSE	ORANGE/ROSE
ORANGE/AQUA	ORANGE/AQUA

BLUE TUBE (SINGLE MODE)

ORANGE TUBE (SINGLE MODE)

NEW 24 SM FIBER OPTIC CABLE TO MO366E003.4Z

VLAN VL0078

KEY

MI170N123.4C	DEVICE IDENTIFIER
CCTV	CCTV CAMERA
CCTV	EXISTING CCTV CAMERA
DMS	DYNAMIC MESSAGE SIGN
DMS	EXISTING DYNAMIC MESSAGE SIGN
	SM PATCH THROUGH FIBER OPTIC JUMPER
	SM EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	SM FIBER OPTIC PIGTAIL
	MM PATCH THROUGH FIBER OPTIC JUMPER
	MM EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	MM FIBER OPTIC PIGTAIL
	BARE FIBER LEFT COILED IN SPLICE TRAY
	EXISTING/PROPOSED FUSION SPLICE
	PATCH PANEL MODULE
	WIRELESS LINK
VDS AP	SENSYS DETECTION SYSTEM

1. MAXIMUM SPLICE LOSS SHALL BE 0.1 dB
2. NO INTERMEDIATE SPLICES ALLOWED
3. ALL SPLICES SHALL BE FUSION SPLICES
4. DASHED LINES INDICATE EXISTING EQUIPMENT OR CABLING.

FIBER SPLICING & BLOCK DIAGRAM
MO366E003.3Z
ROUTE 366 (WATSON RD.) & WATSON INDUSTRIAL PARK
SHEET 11 OF 19

STATE OF MISSOURI
CHARLES A. MILLER
NUMBER E-2002000906
REGISTERED PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED	02/07/2024
ROUTE	366
STATE	MO
DISTRICT	SL
SHEET NO.	432
COUNTY	ST. LOUIS
JOB NO.	J6S3582
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

REV.

IF APPLICABLE

UNINTERRUPTIBLE POWER SUPPLY (UPS)

RJ-45

CCTV

MO366E003.4C

SIGNAL CABINET
ROUTE 366 & PARDEE LN.

CAT-5E STP

CISCO IE3300
ETHERNET SWITCH

10/100/1000 PORTS

1
2
3
4
5
6
7
8

SFP TX
SFP RX
SFP TX
SFP RX

SIGNAL MONITOR

CAT-5E STP

IP OUTLET STRIP

RJ-45

CAT-5E STP

CAT-5E STP

CAT-5E STP

ETHERNET ENABLE CONTROLLER

A
B
C

SDLC

BACK
PANEL

IF APPLICABLE

VIDEO PROCESSORS

BIU

RG-59U
RG-59U
RG-59U
RG-59U

RJ-45
RS-232

1 2 3 4

VIDEO SWITCHER

RG-59U

VIDEO
MONITOR

WALL-MOUNTED INTERCONNECT CENTER

NEW 24 SM FIBER
OPTIC CABLE TO
MO366E003.3Z

BLUE TUBE
(SINGLE MODE)

ORANGE TUBE
(SINGLE MODE)

BLUE/BLUE	BLUE/BLUE
BLUE/ORANGE	BLUE/ORANGE
BLUE/GREEN	BLUE/GREEN
BLUE/BROWN	BLUE/BROWN
BLUE/SLATE	BLUE/SLATE
BLUE/WHITE	BLUE/WHITE
BLUE/RED	BLUE/RED
BLUE/BLACK	BLUE/BLACK
BLUE/YELLOW	BLUE/YELLOW
BLUE/VIOLET	BLUE/VIOLET
BLUE/ROSE	BLUE/ROSE
BLUE/AQUA	BLUE/AQUA
ORANGE/BLUE	ORANGE/BLUE
ORANGE/ORANGE	ORANGE/ORANGE
ORANGE/GREEN	ORANGE/GREEN
ORANGE/BROWN	ORANGE/BROWN
ORANGE/SLATE	ORANGE/SLATE
ORANGE/WHITE	ORANGE/WHITE
ORANGE/RED	ORANGE/RED
ORANGE/BLACK	ORANGE/BLACK
ORANGE/YELLOW	ORANGE/YELLOW
ORANGE/VIOLET	ORANGE/VIOLET
ORANGE/ROSE	ORANGE/ROSE
ORANGE/AQUA	ORANGE/AQUA

BLUE TUBE
(SINGLE MODE)

ORANGE TUBE
(SINGLE MODE)

NEW 24 SM FIBER OPTIC
CABLE TO MO366E003.5Z

KEY

MI170N123.4C	DEVICE IDENTIFIER
CCTV	CCTV CAMERA
CCTV	EXISTING CCTV CAMERA
DMS	DYNAMIC MESSAGE SIGN
DMS	EXISTING DYNAMIC MESSAGE SIGN
	SM PATCH THROUGH FIBER OPTIC JUMPER
	SM EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	SM FIBER OPTIC PIGTAIL
	MM PATCH THROUGH FIBER OPTIC JUMPER
	MM EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	MM FIBER OPTIC PIGTAIL
	BARE FIBER LEFT COILED IN SPLICE TRAY
	EXISTING/PROPOSED FUSION SPLICE
	PATCH PANEL MODULE
	WIRELESS LINK
VDS AP	SENSYS DETECTION SYSTEM

1. MAXIMUM SPLICE LOSS SHALL BE 0.1 dB
2. NO INTERMEDIATE SPLICES ALLOWED
3. ALL SPLICES SHALL BE FUSION SPLICES
4. DASHED LINES INDICATE EXISTING EQUIPMENT OR CABLING.

VLAN
VL0079

FIBER SPLICING & BLOCK DIAGRAM
MO366E003.4Z
ROUTE 366 (WATSON RD.) & PARDEE LANE
SHEET 12 OF 19

STATE OF MISSOURI
CHARLES A. MILLER
NUMBER E-2002000806
REGISTERED PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED	02/07/2024
ROUTE	366
STATE	MO
DISTRICT	SL
SHEET NO.	433
COUNTY	ST. LOUIS
JOB NO.	J6S3582
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION | DATE

REV.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

MoDOT

J6S3582_Splicing_v4.VSDX

02/07/2024

IF APPLICABLE

UNINTERRUPTIBLE POWER SUPPLY (UPS)

RJ-45

SIGNAL CABINET
ROUTE 366 & GRANT RD.

CAT-5E STP

SIGNAL MONITOR

CISCO IE3300
ETHERNET SWITCH

1
2
3
4
5
6
7
8

SFP TX
SFP RX
SFP TX
SFP RX

10/100/1000 PORTS

CAT-5E STP

CAT-5E STP

IP OUTLET STRIP

RJ-45

CAT-5E STP

CAT-5E STP

ETHERNET ENABLE CONTROLLER

A
B
C

SDLC

IF APPLICABLE

VIDEO PROCESSORS

BIU

RJ-45

RS-232

RG-59U

RG-59U

RG-59U

RG-59U

RG-59U

1
2
3
4

VIDEO SWITCHER

BACK PANEL

VIDEO MONITOR

WALL-MOUNTED INTERCONNECT CENTER

NEW 24 SM FIBER OPTIC CABLE TO MO366E003.4Z

BLUE TUBE
(SINGLE MODE)

ORANGE TUBE
(SINGLE MODE)

BLUE/BLUE	BLUE/BLUE
BLUE/ORANGE	BLUE/ORANGE
BLUE/GREEN	BLUE/GREEN
BLUE/BROWN	BLUE/BROWN
BLUE/SLATE	BLUE/SLATE
BLUE/WHITE	BLUE/WHITE
BLUE/RED	BLUE/RED
BLUE/BLACK	BLUE/BLACK
BLUE/YELLOW	BLUE/YELLOW
BLUE/VIOLET	BLUE/VIOLET
BLUE/ROSE	BLUE/ROSE
BLUE/AQUA	BLUE/AQUA
ORANGE/BLUE	ORANGE/BLUE
ORANGE/ORANGE	ORANGE/ORANGE
ORANGE/GREEN	ORANGE/GREEN
ORANGE/BROWN	ORANGE/BROWN
ORANGE/SLATE	ORANGE/SLATE
ORANGE/WHITE	ORANGE/WHITE
ORANGE/RED	ORANGE/RED
ORANGE/BLACK	ORANGE/BLACK
ORANGE/YELLOW	ORANGE/YELLOW
ORANGE/VIOLET	ORANGE/VIOLET
ORANGE/ROSE	ORANGE/ROSE
ORANGE/AQUA	ORANGE/AQUA

BLUE TUBE
(SINGLE MODE)

ORANGE TUBE
(SINGLE MODE)

NEW 24 SM FIBER OPTIC CABLE TO MO366E004.1Z

KEY

MI170N123.4C — DEVICE IDENTIFIER

CCTV — CCTV CAMERA

CCTV — EXISTING CCTV CAMERA

DMS — DYNAMIC MESSAGE SIGN

DMS — EXISTING DYNAMIC MESSAGE SIGN

SM PATCH THROUGH FIBER OPTIC JUMPER

SM EQUIPMENT CONNECTION FIBER OPTIC JUMPER

SM FIBER OPTIC PIGTAIL

MM PATCH THROUGH FIBER OPTIC JUMPER

MM EQUIPMENT CONNECTION FIBER OPTIC JUMPER

MM FIBER OPTIC PIGTAIL

BARE FIBER LEFT COILED IN SPLICE TRAY

EXISTING/PROPOSED FUSION SPLICE

PATCH PANEL MODULE

WIRELESS LINK

VDS AP — SENSYS DETECTION SYSTEM

1. MAXIMUM SPLICE LOSS SHALL BE 0.1 dB
2. NO INTERMEDIATE SPLICES ALLOWED
3. ALL SPLICES SHALL BE FUSION SPLICES
4. DASHED LINES INDICATE EXISTING EQUIPMENT OR CABLING.

VLAN
VL0078

FIBER SPLICING & BLOCK DIAGRAM
MO366E003.5Z
ROUTE 366 (WATSON RD.) & GRANT RD.
SHEET 13 OF 19

STATE OF MISSOURI
CHARLES A. MILLER
NUMBER E-2022000606
REGISTERED PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED	02/07/2024
ROUTE	366
STATE	MO
DISTRICT	SL
SHEET NO.	434
COUNTY	ST. LOUIS
JOB NO.	J6S3582
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

MoDOT

REV.

J6S3582_Splicing_v4.VSDX

02/07/2024

SEE NOTE 5

VDS AP

CCTV

MO366E004.1C

SIGNAL CABINET
ROUTE 366 & ROCK HILL RD.

RG-59U

VIDEO PROCESSORS

BIU

RJ-45

RS-232

CAT-5E STP

ETHERNET ENABLE CONTROLLER

SDLC

SIGNAL MONITOR

CAT-5E STP

RG-59U

RG-59U

RG-59U

RG-59U

CISCO IE3000
ETHERNET SWITCH

10/100 PORTS

SFP TX

SFP RX

SFP TX

SFP RX

1 2 3 4

VIDEO SWITCHER

CAT-5E STP

CAT-5E STP

BACK PANEL

VIDEO MONITOR

IP OUTLET STRIP

RJ-45

CAT-5E STP

WALL-MOUNTED INTERCONNECT CENTER

BLUE TUBE
(SINGLE MODE)

ORANGE TUBE
(SINGLE MODE)

BLUE/BLUE	BLUE/BLUE
BLUE/ORANGE	BLUE/ORANGE
BLUE/GREEN	BLUE/GREEN
BLUE/BROWN	BLUE/BROWN
BLUE/SLATE	BLUE/SLATE
BLUE/WHITE	BLUE/WHITE
BLUE/RED	BLUE/RED
BLUE/BLACK	BLUE/BLACK
BLUE/YELLOW	BLUE/YELLOW
BLUE/VIOLET	BLUE/VIOLET
BLUE/ROSE	BLUE/ROSE
BLUE/AQUA	BLUE/AQUA
ORANGE/BLUE	ORANGE/BLUE
ORANGE/ORANGE	ORANGE/ORANGE
ORANGE/GREEN	ORANGE/GREEN
ORANGE/BROWN	ORANGE/BROWN
ORANGE/SLATE	ORANGE/SLATE
ORANGE/WHITE	ORANGE/WHITE
ORANGE/RED	ORANGE/RED
ORANGE/BLACK	ORANGE/BLACK
ORANGE/YELLOW	ORANGE/YELLOW
ORANGE/VIOLET	ORANGE/VIOLET
ORANGE/ROSE	ORANGE/ROSE
ORANGE/AQUA	ORANGE/AQUA

NEW 24 SM FIBER OPTIC CABLE TO MO366E003.5Z

NEW 24 SM FIBER OPTIC CABLE TO MO366E004.5Z

KEY

MI170N123.4C	DEVICE IDENTIFIER
CCTV	CCTV CAMERA
CCTV	EXISTING CCTV CAMERA
DMS	DYNAMIC MESSAGE SIGN
DMS	EXISTING DYNAMIC MESSAGE SIGN
	SM PATCH THROUGH FIBER OPTIC JUMPER
	SM EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	SM FIBER OPTIC PIGTAIL
	MM PATCH THROUGH FIBER OPTIC JUMPER
	MM EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	MM FIBER OPTIC PIGTAIL
	BARE FIBER LEFT COILED IN SPLICE TRAY
	EXISTING/PROPOSED FUSION SPLICE
	PATCH PANEL MODULE
	WIRELESS LINK
VDS AP	SENSYS DETECTION SYSTEM

1. MAXIMUM SPLICE LOSS SHALL BE 0.1 dB
2. NO INTERMEDIATE SPLICES ALLOWED
3. ALL SPLICES SHALL BE FUSION SPLICES
4. DASHED LINES INDICATE EXISTING EQUIPMENT OR CABLING.
5. REMOVE AND DELIVER TO MODOT SIGNAL SHOP.

VLAN
VL0079

FIBER SPLICING & BLOCK DIAGRAM
MO366E004.1Z
ROUTE 366 (WATSON RD.) & ELM AVE./ROCK HILL RD.
SHEET 14 OF 19

STATE OF MISSOURI
CHARLES A. MILLER
NUMBER E-2002000806
REGISTERED PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED	02/07/2024
ROUTE	366
STATE	MO
DISTRICT	SL
SHEET NO.	435
COUNTY	ST. LOUIS
JOB NO.	J6S3582
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

REV.

IF APPLICABLE

UNINTERRUPTIBLE POWER SUPPLY (UPS)

RJ-45

CCTV

MO366E004.5C

SIGNAL CABINET
ROUTE 366 & CHESHIRE LN.

CAT-5E STP

SIGNAL MONITOR

CISCO IE3300
ETHERNET SWITCH

1
2
3
4
5
6
7
8

10/100/1000 PORTS

SFP TX
SFP RX
SFP TX
SFP RX

IP OUTLET STRIP

RJ-45

CAT-5E STP

ETHERNET ENABLE CONTROLLER

A
B
C

SDLC

IF APPLICABLE

VIDEO PROCESSORS

BIU

RJ-45
RS-232

RG-59U

1 2 3 4

VIDEO SWITCHER

BACK PANEL

VIDEO MONITOR

WALL-MOUNTED INTERCONNECT CENTER

BLUE TUBE
(SINGLE MODE)

ORANGE TUBE
(SINGLE MODE)

BLUE/BLUE	BLUE/BLUE
BLUE/ORANGE	BLUE/ORANGE
BLUE/GREEN	BLUE/GREEN
BLUE/BROWN	BLUE/BROWN
BLUE/SLATE	BLUE/SLATE
BLUE/WHITE	BLUE/WHITE
BLUE/RED	BLUE/RED
BLUE/BLACK	BLUE/BLACK
BLUE/YELLOW	BLUE/YELLOW
BLUE/VIOLET	BLUE/VIOLET
BLUE/ROSE	BLUE/ROSE
BLUE/AQUA	BLUE/AQUA
ORANGE/BLUE	ORANGE/BLUE
ORANGE/ORANGE	ORANGE/ORANGE
ORANGE/GREEN	ORANGE/GREEN
ORANGE/BROWN	ORANGE/BROWN
ORANGE/SLATE	ORANGE/SLATE
ORANGE/WHITE	ORANGE/WHITE
ORANGE/RED	ORANGE/RED
ORANGE/BLACK	ORANGE/BLACK
ORANGE/YELLOW	ORANGE/YELLOW
ORANGE/VIOLET	ORANGE/VIOLET
ORANGE/ROSE	ORANGE/ROSE
ORANGE/AQUA	ORANGE/AQUA

NEW 24 SM FIBER OPTIC CABLE TO MO366E004.1Z

NEW 24 SM FIBER OPTIC CABLE TO MO366W005.1Z

KEY

MI170N123.4C — DEVICE IDENTIFIER

CCTV — CCTV CAMERA

CCTV — EXISTING CCTV CAMERA

DMS — DYNAMIC MESSAGE SIGN

DMS — EXISTING DYNAMIC MESSAGE SIGN

SM PATCH THROUGH FIBER OPTIC JUMPER

SM EQUIPMENT CONNECTION FIBER OPTIC JUMPER

SM FIBER OPTIC PIGTAIL

MM PATCH THROUGH FIBER OPTIC JUMPER

MM EQUIPMENT CONNECTION FIBER OPTIC JUMPER

MM FIBER OPTIC PIGTAIL

BARE FIBER LEFT COILED IN SPLICE TRAY

EXISTING/PROPOSED FUSION SPLICE

PATCH PANEL MODULE

WIRELESS LINK

VDS AP — SENSYS DETECTION SYSTEM

1. MAXIMUM SPLICE LOSS SHALL BE 0.1 dB
2. NO INTERMEDIATE SPLICES ALLOWED
3. ALL SPLICES SHALL BE FUSION SPLICES
4. DASHED LINES INDICATE EXISTING EQUIPMENT OR CABLING.

VLAN VL0078

FIBER SPLICING & BLOCK DIAGRAM
MO366E004.5Z
ROUTE 366 (WATSON RD.) & CHESHIRE LANE
SHEET 15 OF 19

STATE OF MISSOURI
CHARLES A. MILLER
NUMBER E-2002000806
REGISTERED PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED: 02/07/2024
ROUTE: 366
STATE: MO
DISTRICT: SL
SHEET NO.: 436
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION
DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

REV.

SEE NOTE 5

VDS AP

CCTV

MO366W005.1C

SIGNAL CABINET
ROUTE 366 & LACLEDE STATION RD.

SIGNAL MONITOR

CAT-5E STP

ETHERNET ENABLE CONTROLLER

A B C

SDLC

RG-59U

VIDEO PROCESSORS

BIU

RJ-45

RS-232

RG-59U RG-59U RG-59U RG-59U

1 2 3 4

VIDEO SWITCHER

CISCO IE3000
ETHERNET SWITCH

10/100 PORTS

5 1 6 2 7 3 8 4

CAT-5E STP

CAT-5E STP

CAT-5E STP

SFP TX RX

SFP TX RX

IP OUTLET STRIP

RJ-45

CAT-5E STP

BACK PANEL

VIDEO MONITOR

WALL-MOUNTED INTERCONNECT CENTER

NEW 24 SM FIBER OPTIC CABLE TO MO366E004.5Z

BLUE TUBE
(SINGLE MODE)

ORANGE TUBE
(SINGLE MODE)

BLUE/BLUE	BLUE/BLUE
BLUE/ORANGE	BLUE/ORANGE
BLUE/GREEN	BLUE/GREEN
BLUE/BROWN	BLUE/BROWN
BLUE/SLATE	BLUE/SLATE
BLUE/WHITE	BLUE/WHITE
BLUE/RED	BLUE/RED
BLUE/BLACK	BLUE/BLACK
BLUE/YELLOW	BLUE/YELLOW
BLUE/VIOLET	BLUE/VIOLET
BLUE/ROSE	BLUE/ROSE
BLUE/AQUA	BLUE/AQUA
ORANGE/BLUE	ORANGE/BLUE
ORANGE/ORANGE	ORANGE/ORANGE
ORANGE/GREEN	ORANGE/GREEN
ORANGE/BROWN	ORANGE/BROWN
ORANGE/SLATE	ORANGE/SLATE
ORANGE/WHITE	ORANGE/WHITE
ORANGE/RED	ORANGE/RED
ORANGE/BLACK	ORANGE/BLACK
ORANGE/YELLOW	ORANGE/YELLOW
ORANGE/VIOLET	ORANGE/VIOLET
ORANGE/ROSE	ORANGE/ROSE
ORANGE/AQUA	ORANGE/AQUA

BLUE TUBE
(SINGLE MODE)

ORANGE TUBE
(SINGLE MODE)

NEW 24 SM FIBER OPTIC
CABLE TO MO366E006.1Z

VLAN
VL0079

KEY

MI170N123.4C	DEVICE IDENTIFIER
CCTV	CCTV CAMERA
CCTV	EXISTING CCTV CAMERA
DMS	DYNAMIC MESSAGE SIGN
DMS	EXISTING DYNAMIC MESSAGE SIGN
	SM PATCH THROUGH FIBER OPTIC JUMPER
	SM EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	SM FIBER OPTIC PIGTAIL
	MM PATCH THROUGH FIBER OPTIC JUMPER
	MM EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	MM FIBER OPTIC PIGTAIL
	BARE FIBER LEFT COILED IN SPLICE TRAY
	EXISTING/PROPOSED FUSION SPLICE
	PATCH PANEL MODULE
	WIRELESS LINK
VDS AP	SENSYS DETECTION SYSTEM

1. MAXIMUM SPLICE LOSS SHALL BE 0.1 dB
2. NO INTERMEDIATE SPLICES ALLOWED
3. ALL SPLICES SHALL BE FUSION SPLICES
4. DASHED LINES INDICATE EXISTING EQUIPMENT OR CABLING.
5. REMOVE AND DELIVER TO MODOT SIGNAL SHOP.

FIBER SPLICING & BLOCK DIAGRAM
MO366W005.1Z
ROUTE 366 (WATSON RD.) & LACLEDE STATION RD.
SHEET 16 OF 19

STATE OF MISSOURI
CHARLES A. MILLER
NUMBER E-2002000606
REGISTERED PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DATE PREPARED	02/07/2024
ROUTE	366
STATE	MO
DISTRICT	SL
SHEET NO.	437
COUNTY	ST. LOUIS
JOB NO.	J6S3582
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

DATE

REV.

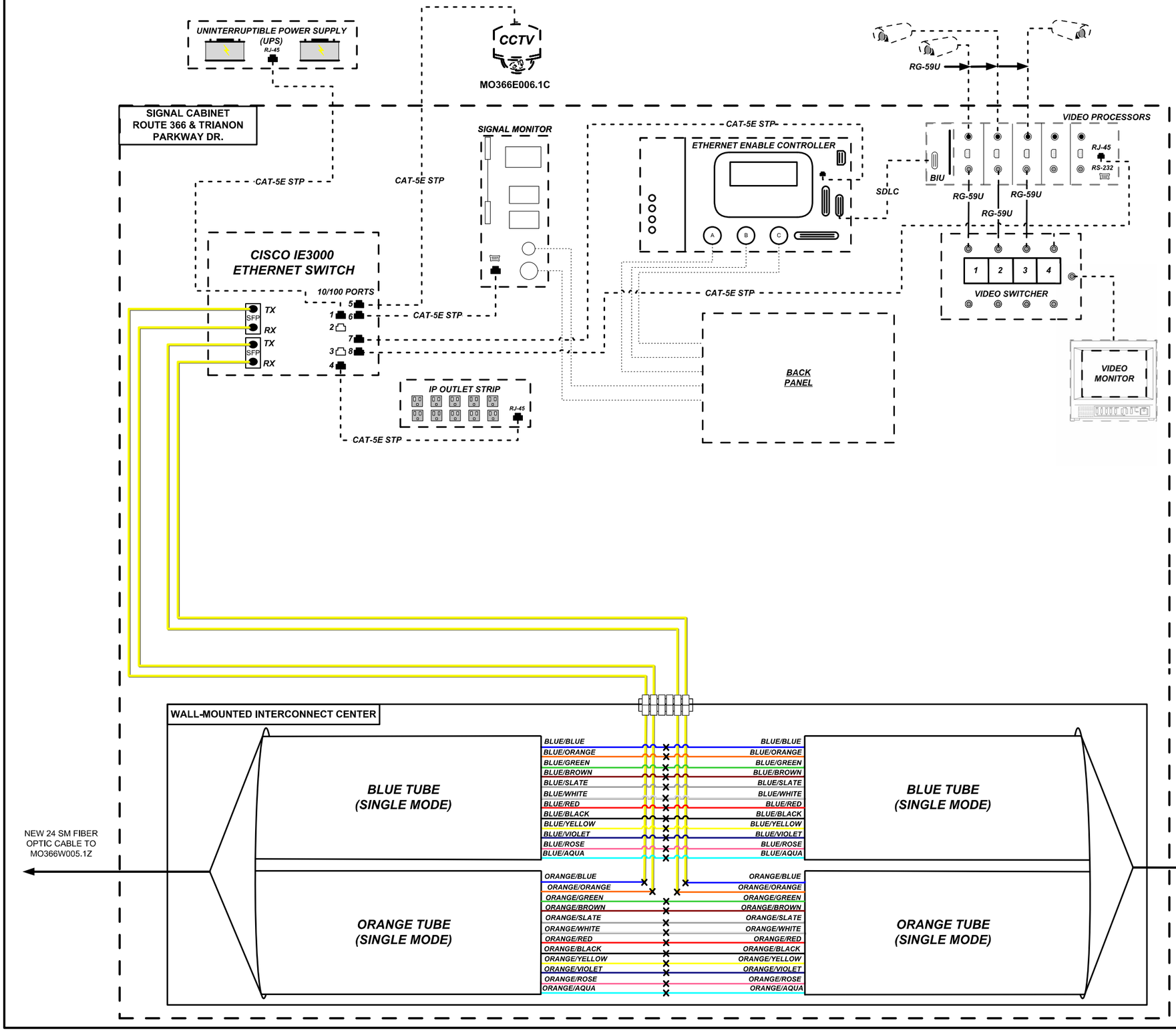
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

MoDOT

J6S3582_Splicing_v4.VSDX

02/07/2024



KEY

MI170N123.4C	DEVICE IDENTIFIER
CCTV	CCTV CAMERA
CCTV	EXISTING CCTV CAMERA
DMS	DYNAMIC MESSAGE SIGN
DMS	EXISTING DYNAMIC MESSAGE SIGN
	SM PATCH THROUGH FIBER OPTIC JUMPER
	SM EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	SM FIBER OPTIC PIGTAIL
	MM PATCH THROUGH FIBER OPTIC JUMPER
	MM EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	MM FIBER OPTIC PIGTAIL
	BARE FIBER LEFT COILED IN SPLICE TRAY
	EXISTING/PROPOSED FUSION SPLICE
	PATCH PANEL MODULE
	WIRELESS LINK
VDS AP	SENSYS DETECTION SYSTEM

1. MAXIMUM SPLICE LOSS SHALL BE 0.1 dB
2. NO INTERMEDIATE SPLICES ALLOWED
3. ALL SPLICES SHALL BE FUSION SPLICES
4. DASHED LINES INDICATE EXISTING EQUIPMENT OR CABLING.

VLAN VL0078

FIBER SPLICING & BLOCK DIAGRAM
MO366E006.1Z
ROUTE 366 (WATSON RD.) & TRIANON PARKWAY DR.
SHEET 17 OF 19

STATE OF MISSOURI
CHARLES A. MILLER
NUMBER E-2002000606
REGISTERED PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED: 02/07/2024
ROUTE: 366 | STATE: MO
DISTRICT: SL | SHEET NO.: 438
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

REV.

J6S3582_Splicing_v4.VSDX 02/07/2024

IF APPLICABLE

UNINTERRUPTIBLE POWER SUPPLY (UPS)

RJ-45

SIGNAL CABINET
ROUTE 366 & JACOBS
COAL RD.

CAT-5E STP

CISCO IE3300
ETHERNET SWITCH

1
2
3 — TX / RX (SFP)
4
5 — TX / RX (SFP)
6
7
8

10/100/1000 PORTS

SIGNAL MONITOR

CAT-5E STP

IP OUTLET STRIP

RJ-45

CAT-5E STP

ETHERNET ENABLE CONTROLLER

A B C

SDLC

CAT-5E STP

BACK
PANEL

IF APPLICABLE

VIDEO PROCESSORS

RG-59U

BIU

RJ-45

RS-232

RG-59U RG-59U RG-59U RG-59U

1 2 3 4

VIDEO SWITCHER

VIDEO
MONITOR

WALL-MOUNTED INTERCONNECT CENTER

NEW 24 SM FIBER
OPTIC CABLE TO
MO366E006.1Z

BLUE TUBE
(SINGLE MODE)

ORANGE TUBE
(SINGLE MODE)

BLUE/BLUE	BLUE/BLUE
BLUE/ORANGE	BLUE/ORANGE
BLUE/GREEN	BLUE/GREEN
BLUE/BROWN	BLUE/BROWN
BLUE/SLATE	BLUE/SLATE
BLUE/WHITE	BLUE/WHITE
BLUE/RED	BLUE/RED
BLUE/BLACK	BLUE/BLACK
BLUE/YELLOW	BLUE/YELLOW
BLUE/VIOLET	BLUE/VIOLET
BLUE/ROSE	BLUE/ROSE
BLUE/AQUA	BLUE/AQUA
ORANGE/BLUE	ORANGE/BLUE
ORANGE/ORANGE	ORANGE/ORANGE
ORANGE/GREEN	ORANGE/GREEN
ORANGE/BROWN	ORANGE/BROWN
ORANGE/SLATE	ORANGE/SLATE
ORANGE/WHITE	ORANGE/WHITE
ORANGE/RED	ORANGE/RED
ORANGE/BLACK	ORANGE/BLACK
ORANGE/YELLOW	ORANGE/YELLOW
ORANGE/VIOLET	ORANGE/VIOLET
ORANGE/ROSE	ORANGE/ROSE
ORANGE/AQUA	ORANGE/AQUA

BLUE TUBE
(SINGLE MODE)

ORANGE TUBE
(SINGLE MODE)

NEW 24 SM FIBER OPTIC
CABLE TO MO366E006.8Z

VLAN
VL0079

KEY

MI170N123.4C	DEVICE IDENTIFIER
CCTV	CCTV CAMERA
CCTV	EXISTING CCTV CAMERA
DMS	DYNAMIC MESSAGE SIGN
DMS	EXISTING DYNAMIC MESSAGE SIGN
	SM PATCH THROUGH FIBER OPTIC JUMPER
	SM EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	SM FIBER OPTIC PIGTAIL
	MM PATCH THROUGH FIBER OPTIC JUMPER
	MM EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	MM FIBER OPTIC PIGTAIL
	BARE FIBER LEFT COILED IN SPLICE TRAY
	EXISTING/PROPOSED FUSION SPLICE
	PATCH PANEL MODULE
	WIRELESS LINK
VDS AP	SENSYS DETECTION SYSTEM

1. MAXIMUM SPLICE LOSS SHALL BE 0.1 dB
2. NO INTERMEDIATE SPLICES ALLOWED
3. ALL SPLICES SHALL BE FUSION SPLICES
4. DASHED LINES INDICATE EXISTING EQUIPMENT OR CABLING.

FIBER SPLICING & BLOCK DIAGRAM
MO366W006.6Z
ROUTE 366 (WATSON RD.) & JACOBS COAL RD.
SHEET 18 OF 19

STATE OF MISSOURI
CHARLES A. MILLER
NUMBER E-2022000606
REGISTERED PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DATE PREPARED	02/07/2024
ROUTE	366
STATE	MO
DISTRICT	SL
SHEET NO.	439
COUNTY	ST. LOUIS
JOB NO.	J6S3582
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

MoDOT

REV.

J6S3582_Splicing_v4.VSDX 02/07/2024

SEE NOTE 5

VDS AP

UNINTERRUPTIBLE POWER SUPPLY (UPS)

RJ-45

CCTV

MO366E006.8C

WIRELESS BRIDGE

TO RADIO AT ROUTE P/ ROGERS MIDDLE SCHOOL SIGNAL (RT00PN000.7Z)

SIGNAL CABINET
ROUTE 366 (WATSON RD.) & ROUTE P (MACKENZIE RD.)

CAT-5E STP

CAT-5E STP

ETHERNET ENABLE CONTROLLER

SIGNAL MONITOR

CISCO IE3000 ETHERNET SWITCH

10/100 PORTS

SFP TX

SFP RX

SFP TX

SFP RX

1 2 3 4 5 6 7 8

CAT-5E STP

CAT-5E STP

CAT-5E STP

WIRELESS BRIDGE POWER INJECTOR

RJ-45 RJ-45

E 100

A B C

BACK PANEL

IP OUTLET STRIP

RJ-45

CAT-5E STP

WALL-MOUNTED INTERCONNECT CENTER

NEW 24 SM FIBER OPTIC CABLE TO MO366W006.6Z

BLUE TUBE (SINGLE MODE)

BLUE/BLUE
BLUE/ORANGE
BLUE/GREEN
BLUE/BROWN
BLUE/SLATE
BLUE/WHITE
BLUE/RED
BLUE/BLACK
BLUE/YELLOW
BLUE/VIOLET
BLUE/ROSE
BLUE/AQUA

ORANGE TUBE (SINGLE MODE)

ORANGE/BLUE
ORANGE/ORANGE
ORANGE/GREEN
ORANGE/BROWN
ORANGE/SLATE
ORANGE/WHITE
ORANGE/RED
ORANGE/BLACK
ORANGE/YELLOW
ORANGE/VIOLET
ORANGE/ROSE
ORANGE/AQUA

KEY

MI170N123.4C	DEVICE IDENTIFIER
CCTV	CCTV CAMERA
CCTV	EXISTING CCTV CAMERA
DMS	DYNAMIC MESSAGE SIGN
DMS	EXISTING DYNAMIC MESSAGE SIGN
	SM PATCH THROUGH FIBER OPTIC JUMPER
	SM EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	SM FIBER OPTIC PIGTAIL
	MM PATCH THROUGH FIBER OPTIC JUMPER
	MM EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	MM FIBER OPTIC PIGTAIL
	BARE FIBER LEFT COILED IN SPLICE TRAY
	EXISTING/PROPOSED FUSION SPLICE
	PATCH PANEL MODULE
	WIRELESS LINK
VDS AP	SENSYS DETECTION SYSTEM

1. MAXIMUM SPLICE LOSS SHALL BE 0.1 dB
2. NO INTERMEDIATE SPLICES ALLOWED
3. ALL SPLICES SHALL BE FUSION SPLICES
4. DASHED LINES INDICATE EXISTING EQUIPMENT OR CABLING.
5. REMOVE AND DELIVER TO MODOT SIGNAL SHOP.

VLAN VL0078

FIBER SPLICING & BLOCK DIAGRAM
MO366E006.8Z
ROUTE 366 (WATSON RD.) & ROUTE P (MACKENZIE RD.)
SHEET 19 OF 19

STATE OF MISSOURI
CHARLES A. MILLER
NUMBER E-2002000606
REGISTERED PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DATE PREPARED	02/07/2024
ROUTE	366
STATE	MO
DISTRICT	SL
SHEET NO.	440
COUNTY	ST. LOUIS
JOB NO.	J6S3582
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

DATE

REV.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

MoDOT

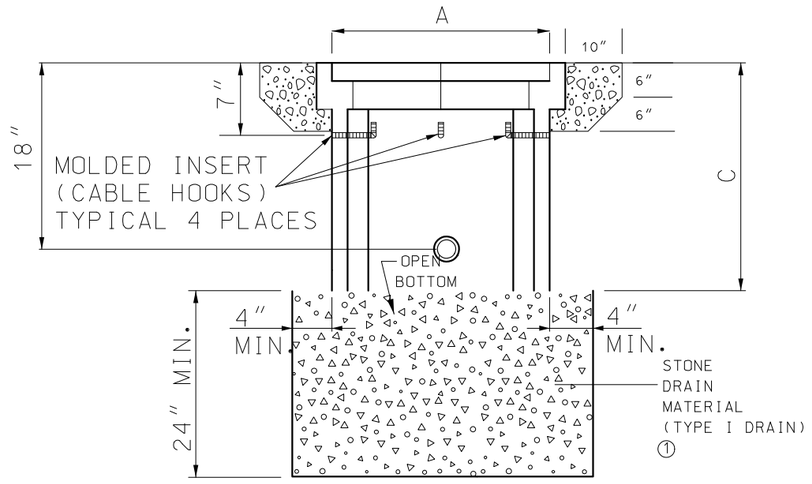
J6S3582_Splicing_v4.VSDX

02/07/2024

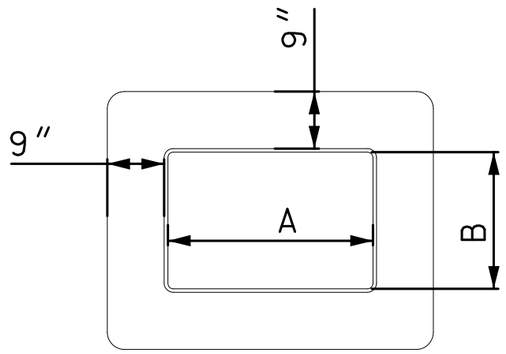
ITS PULL BOXES WITH CONCRETE PADS

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

CLASS 2 ITS PULLBOX WITH CONCRETE PAD

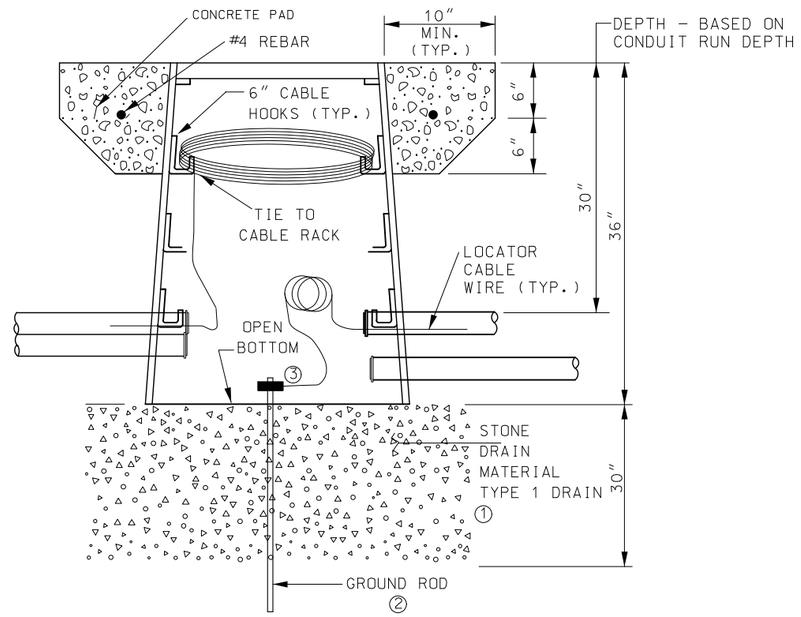


ELEVATION

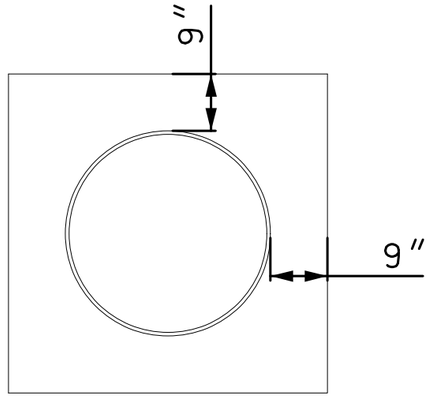


PLAN

CLASS 5 ITS PULLBOX WITH CONCRETE PAD



ELEVATION



PLAN

1. PROVIDE TYPE II DRAIN AS DIRECTED BY ENGINEER. SEE STANDARD PLAN 902.20 FOR TYPE II DRAIN DETAILS.
2. GROUND ROD ONLY REQUIRED IN PULL BOX NEAREST TO AN ITS OR SIGNAL CABINET.
3. IN THE PULL BOX NEAREST THE ITS OR SIGNAL CABINET, CONNECT THE TRACER WIRE TO A GROUND ROD CLAMP AND PROVIDE 5 FEET OF SLACK.

FOR PULL BOX DIMENSIONS SEE STANDARD PLAN 902.20

STATE OF MISSOURI
CASSANDRA VICKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED: 7/25/2024
MO ROUTE: 366 | STATE: MO
DISTRICT: SL | SHEET NO.: 441
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
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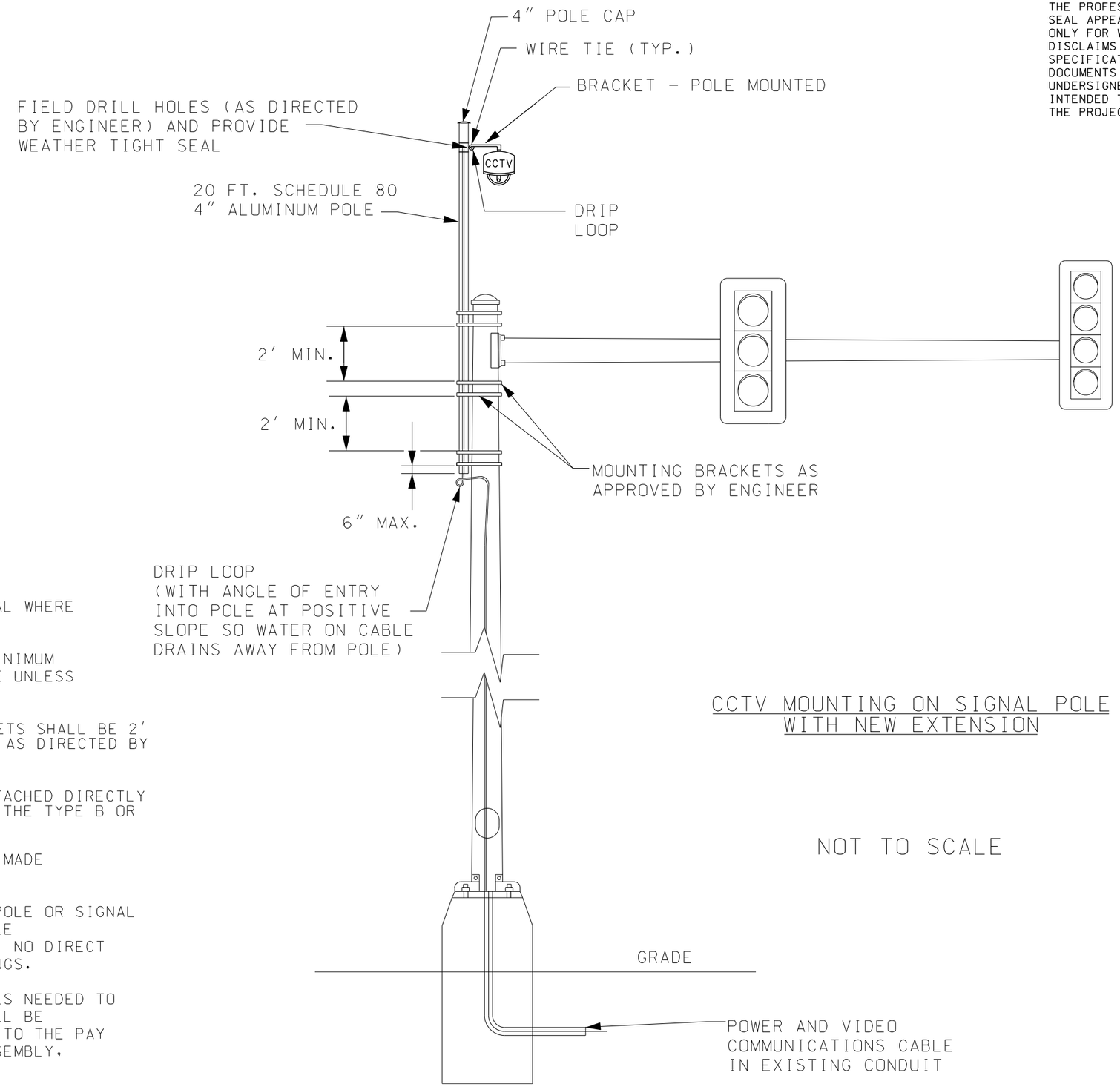
REV.

SHEET 44 OF 45

LIGHTING AND ITS SHEET

MO ROUTE 366
WATSON ROAD



CCTV MOUNTING ON SIGNAL POLE WITH NEW EXTENSION

NOT TO SCALE

GENERAL NOTES:

PROVIDE WATERTIGHT SEAL WHERE CABLES ENTER AND EXIT

CAMERAS SHALL BE AT MINIMUM 30' HEIGHT ABOVE GRADE UNLESS OTHERWISE NOTED

SPACING BETWEEN BRACKETS SHALL BE 2' MIN. EVENLY SPACED OR AS DIRECTED BY ENGINEER.

1 BRACKET SHALL BE ATTACHED DIRECTLY ABOVE THE MAST ARM TO THE TYPE B OR TYPE C SIGNAL POLE.

NO DIRECT PAY WILL BE MADE FOR MOUNTING HARDWARE

ALL DRILLED ALUMINUM POLE OR SIGNAL POLE OPENINGS FOR CABLE SHALL BE WEATHERPROOF. NO DIRECT PAY FOR DRILLED OPENINGS.

ALL LABOR AND MATERIALS NEEDED TO COMPLETE THIS WORK WILL BE CONSIDERED INCIDENTAL TO THE PAY ITEMS "CCTV CAMERA ASSEMBLY, INSTALLED"

DISCLAIMER

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

08/02/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED	
8/2/2024	
MO ROUTE 366	STATE MO
DISTRICT SL	SHEET NO. 442
COUNTY ST. LOUIS	
JOB NO. J6S3582	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ONE MEMORIAL DRIVE, SUITE 500
CCTV MOUNTING DETAILS
ENGINEERING CORPORATION - 000631

REV.

SHEET 45 OF 45

LIGHTING AND ITS SHEET

MO ROUTE 366
WATSON ROAD

SCALE

0 50 100 150

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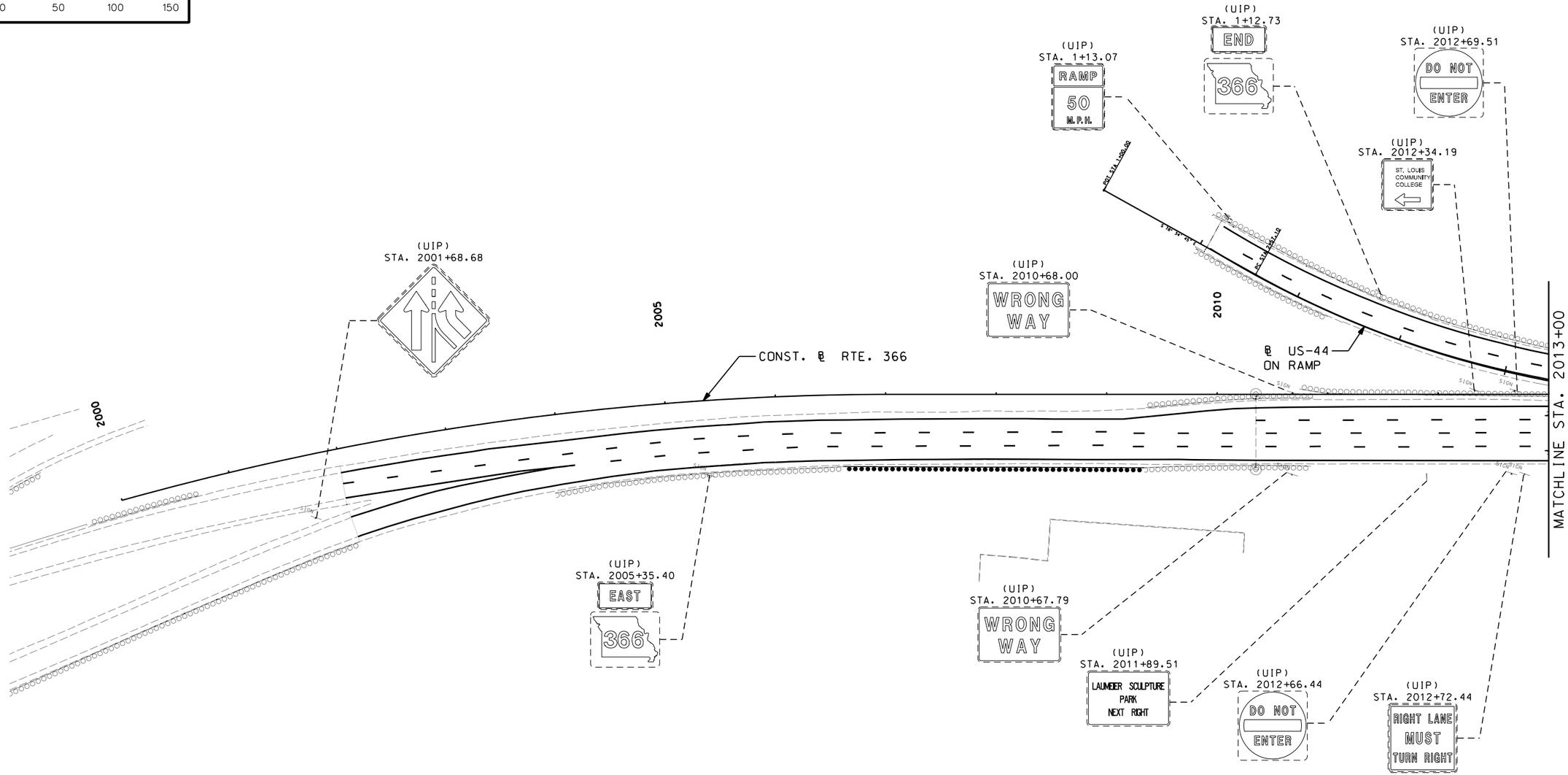

JASON LAWRENCE C. JARQUIO NUMBER PE-2021011939 STATE OF MISSOURI PROFESSIONAL ENGINEER

07/26/2024 3:22:37 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	443

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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JEFFERSON CITY, MO 65102
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16305 Swingley Ridge Dr., Ste 300
Chesterfield, Missouri 63017
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PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

JASON L. JARQUIO
PROFESSIONAL ENGINEER
PE-2021011939

SHEET 1 OF 41

SIGNING SHEET

ROUTE 366
WATSON ROAD

REV.

SCALE

0 50 100 150

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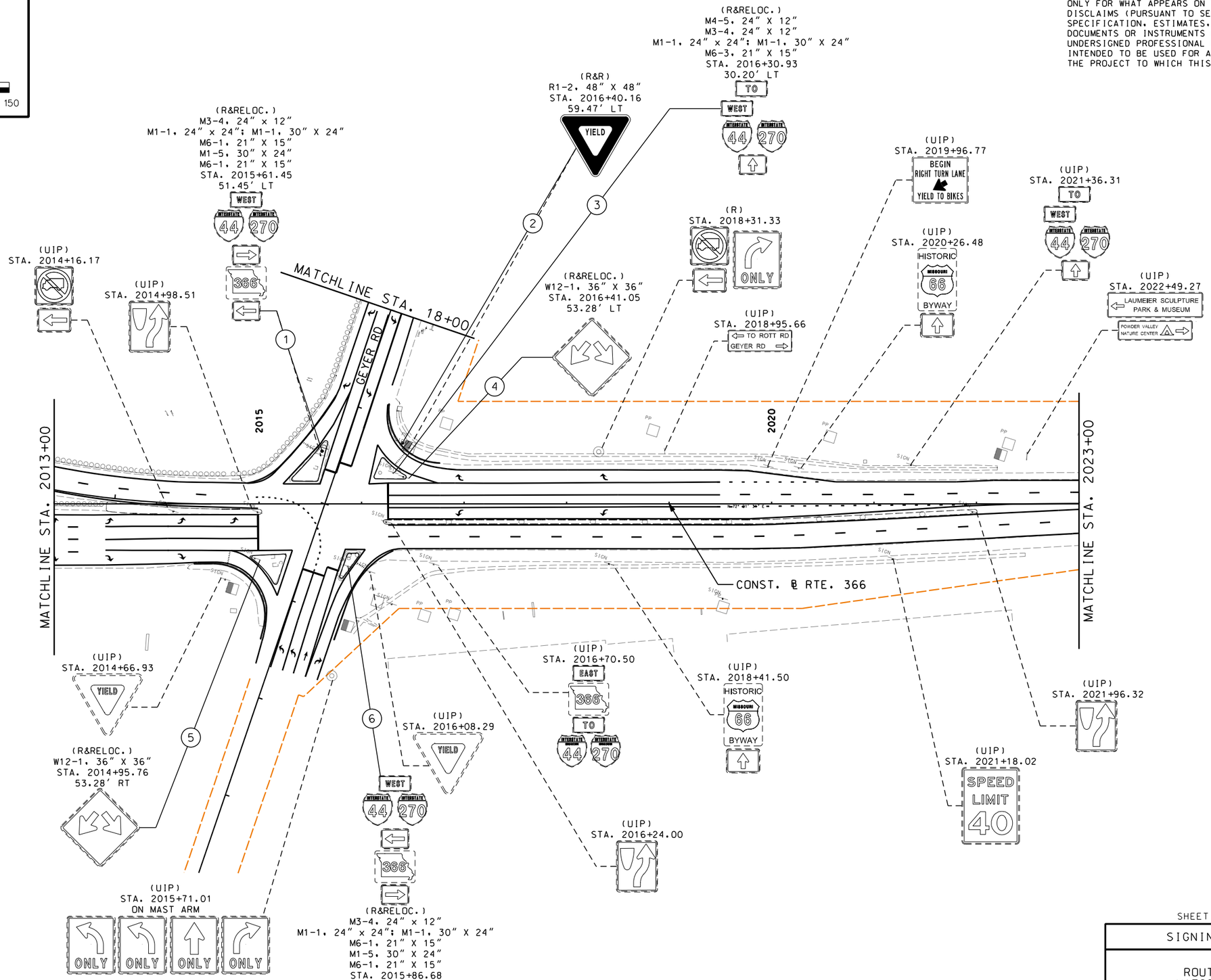

SHEET 2 OF 41

SIGNING SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
JASON LAWRENCE C. JARQUIO
NUMBER PE-2021011939
PROFESSIONAL ENGINEER

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Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	444

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

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PE-2021011939

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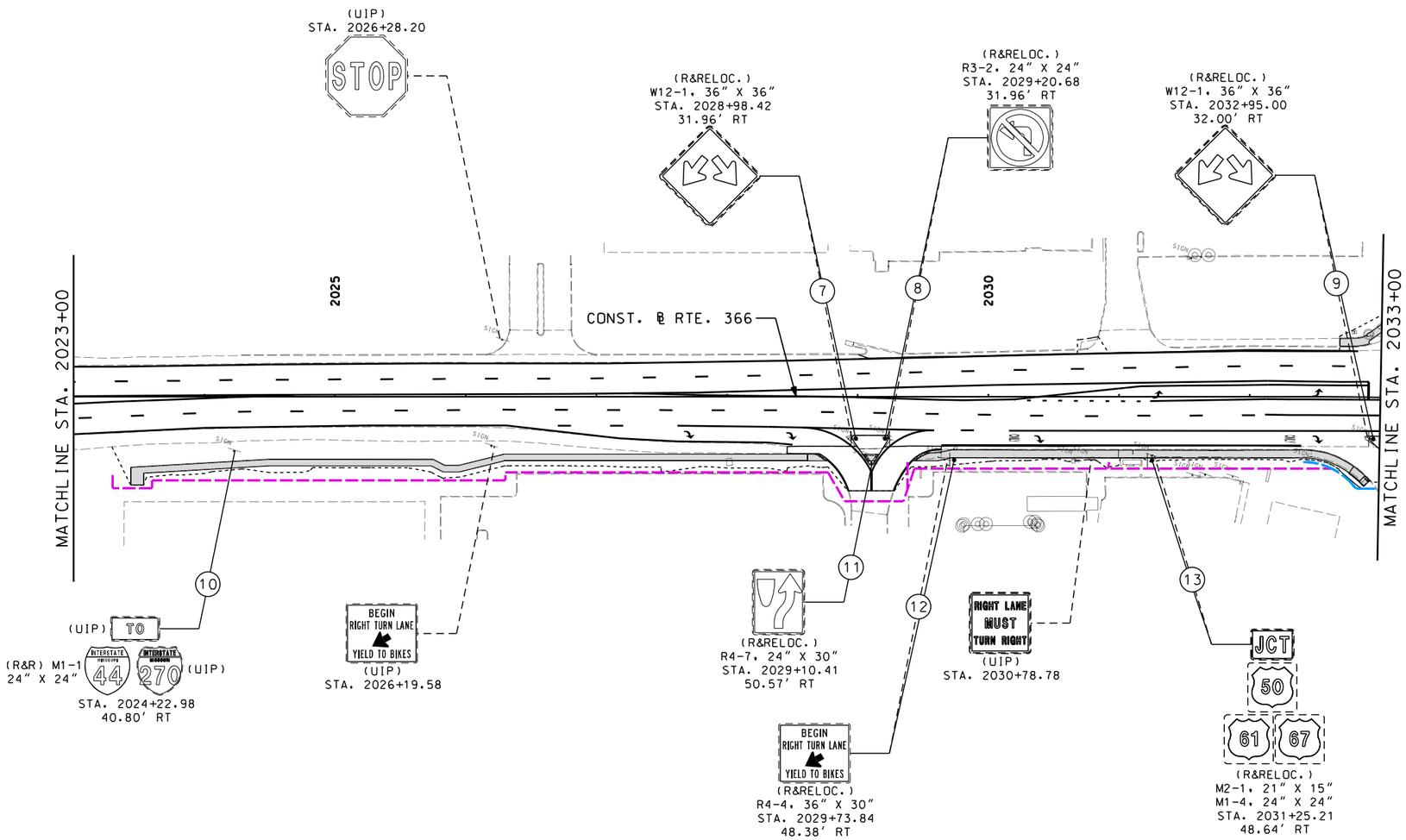

SHEET 3 OF 41

SIGNING SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
JASON LAWRENCE C. JARQUIO
NUMBER PE-2021011939
PROFESSIONAL ENGINEER
07/26/2024 3:22:38 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	445

COUNTY
ST. LOUIS

JOB NO.
J6S3582

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STATE OF MISSOURI
JASON LAWRENCE C. JARQUIO
NUMBER PE-2021011939
PROFESSIONAL ENGINEER
09/05/2024 5:11:10 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	446

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION | DATE | REV.

(R&RELOC.) R4-7, 24" X 30"
STA. 2033+52.99
56.26' LT

(UIP)
STA. 2033+98.71

(UIP)
STA. 2034+99.84
SPEED LIMIT 40

(UIP)
STA. 2035+97.09

(UIP)
STA. 2038+99.88

INSTALL M6-1R
M6-1R, 21" X 15"
STA. 2040+77.73
53.64' LT

(R&RELOC.) M17-8a
24" X 30"
HISTORIC MISSOURI 66 BYWAY

(R&RELOC.) M3-2, M3-4, 24" X 12"
(R&RELOC.) M1-5, 30" X 24"
INSTALL M6-1L, M6-1R
M6-1L, M6-1R, 21" X 15"
STA. 2040+81.14
60.54' LT

(R) STA. 2039+51.24
YIELD

(R) STA. 2039+21.46
DO NOT ENTER

(R&RELOC.) R6-1R, 36" X 12"
R6-1L, 36" X 12"
STA. 2040+67.22
44.80' LT
ONE WAY
ONE WAY

STA. 2041+87.69
53.30' LT
(R&R) M3-2
21" X 15"
(R&R) M1-4
24" X 24"

(UIP) STA. 2041+58.70
ONE WAY
ONE WAY
DO NOT ENTER

(UIP) STA. 2042+53.40
Watson Rd

(UIP) STA. 603+52.20
WRONG WAY

(UIP) STA. 604+97.53
POWDER VALLEY NATURE CENTER

CONST. ℄ RTE. 366

600

2035

2040

2045

℄ WB RTE. 366
ON RAMP

℄ EB RTE. 366
OFF RAMP

SUNSET OFFICE DR

MATCHLINE STA. 2033+00

MATCHLINE STA. 2043+00

(UIP) STA. 2034+06.76
YIELD

(UIP) STA. 2033+40.94

(R&RELOC.) W12-1, 36" X 36"
STA. 2033+74.15
58.13' RT

(R&R) W11-1, 36" X 36"
W16-1P, 24" X 30"
STA. 2035+75.38
49.67' RT
SHARE THE ROAD

(UIP) STA. 2040+02.74

(R&R) M3-2
24" X 12"
EAST SOUTH
(R&RELOC.) M3-3
24" X 12"
(R&RELOC.) M1-4
24" X 24"
50 61
(R&RELOC.) M1-4
24" X 24"
(R&R) M6-2R
21" X 15"
67
(R&R) M1-4
24" X 24"
(R&R) M6-2R
21" X 15"
STA. 2037+57.75
48.62' RT

W11-2, 36" X 36"
W16-7P, 24" X 12"
STA. 602+03.64
15.47' RT

W11-2, 36" X 36"
W16-7P, 24" X 12"
STA. 602+03.64
26.22' LT

(UIP)
YIELD
STA. 602+53.52
STA. 602+64.66

(UIP) NORTH WEST (UIP)
(UIP) 61 50 (UIP)
(R&R) M1-4
24" X 24"
67
(UIP)

(UIP) STA. 605+04.01

PT STA 606+10.10

(UIP) STA. 2041+81.89

STA. 2042+00.15
60.40' RT

(R&R) M1-1,
24" X 24"
TO (UIP)
INTERSTATE 44 INTERSTATE 270 (UIP)
(UIP)

(UIP) STA. 604+01.28
WRONG WAY

(UIP) STA. 2041+99.71
55.40' RT

SHEET 4 OF 41

SIGNING SHEET

ROUTE 366
WATSON ROAD

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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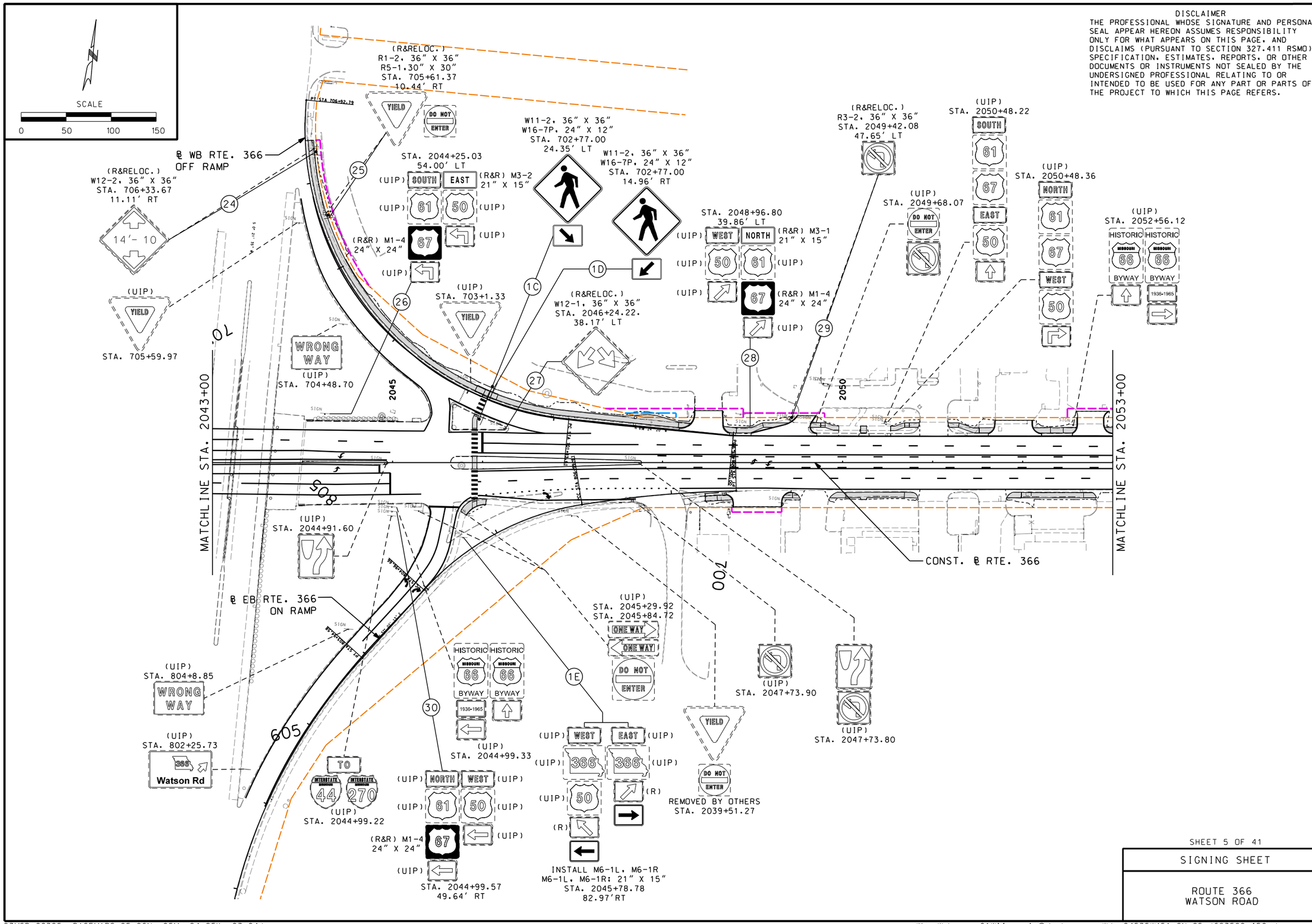
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

JASON L. JARQUIO
PROFESSIONAL ENGINEER
PE-2021011939



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STATE OF MISSOURI JASON LAWRENCE C. JARQUIO NUMBER PE-2021011939 PROFESSIONAL ENGINEER
07/26/2024 3:22:38 PM Jason Lawrence C. Jarquio Civil MO PE-2021011939

DATE PREPARED	7/26/2024
MO ROUTE	366
STATE	MO
DISTRICT	SL
SHEET NO.	447
COUNTY	ST. LOUIS
JOB NO.	J6S3582
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

DATE

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105 WEST CAPITOL JEFFERSON CITY, MO 65102
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JASON L. JARQUIO
PROFESSIONAL ENGINEER
PE-2021011939

SHEET 5 OF 41

SIGNING SHEET

ROUTE 366
WATSON ROAD

REV.

23MSD-00395, BASEMAPS 25-26N, 25M, 24-25K, 23-24J

c:*bms*gba-pw-01*jjarquio@gbateam.com*dms04535*451_SN_05_J6S3582_i50.dgn

7/26/2024

SCALE

0 50 100 150

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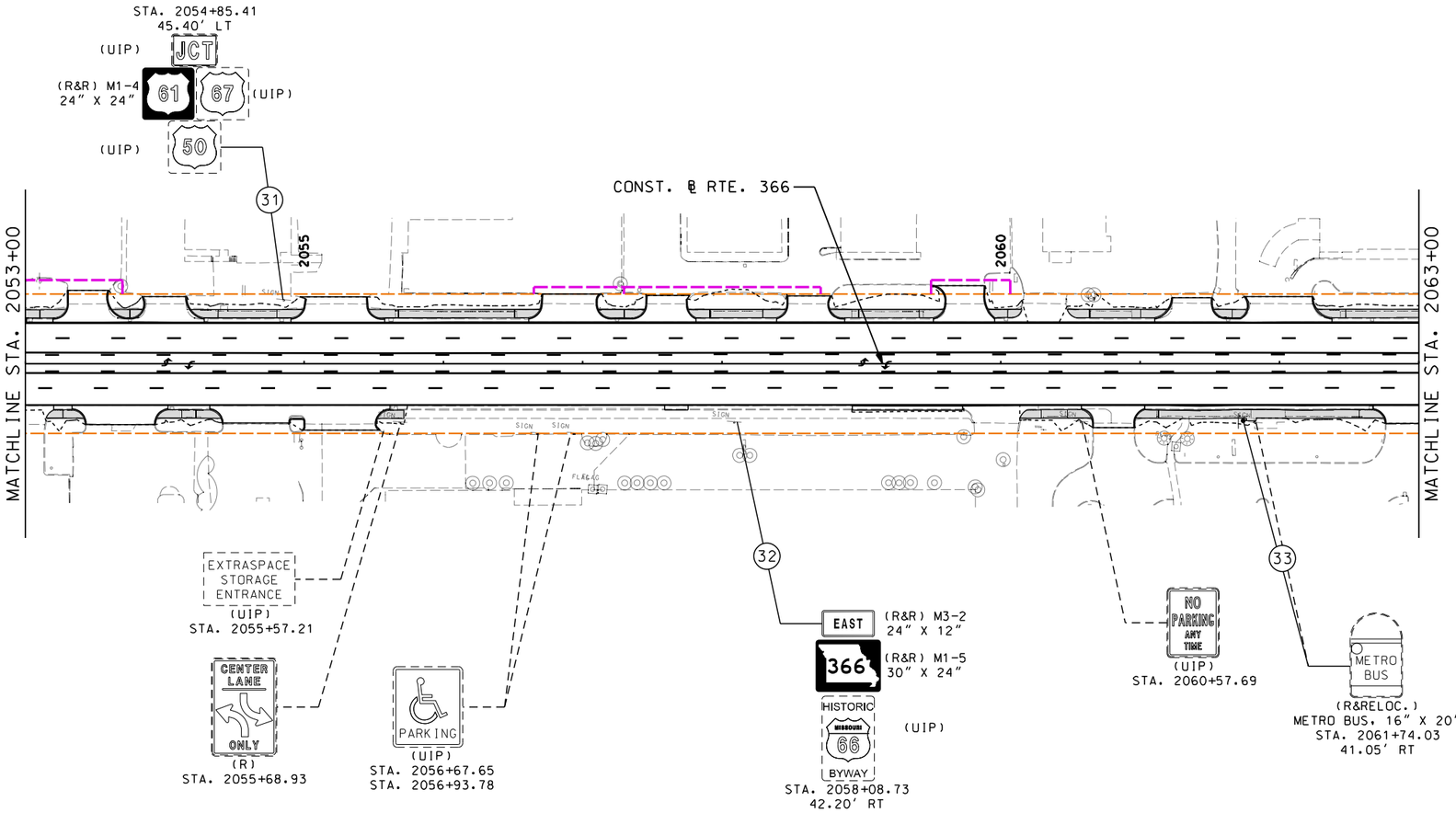

STATE OF MISSOURI
JASON LAWRENCE C. JARQUIO
NUMBER PE-2021011939
PROFESSIONAL ENGINEER

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Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	448

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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ARCHITECT 000212
PRO. LAND SURVEYOR 000059

JASON L. JARQUIO
PROFESSIONAL ENGINEER
PE-2021011939

SHEET 6 OF 41

SIGNING SHEET

ROUTE 366
WATSON ROAD

REV.

SCALE

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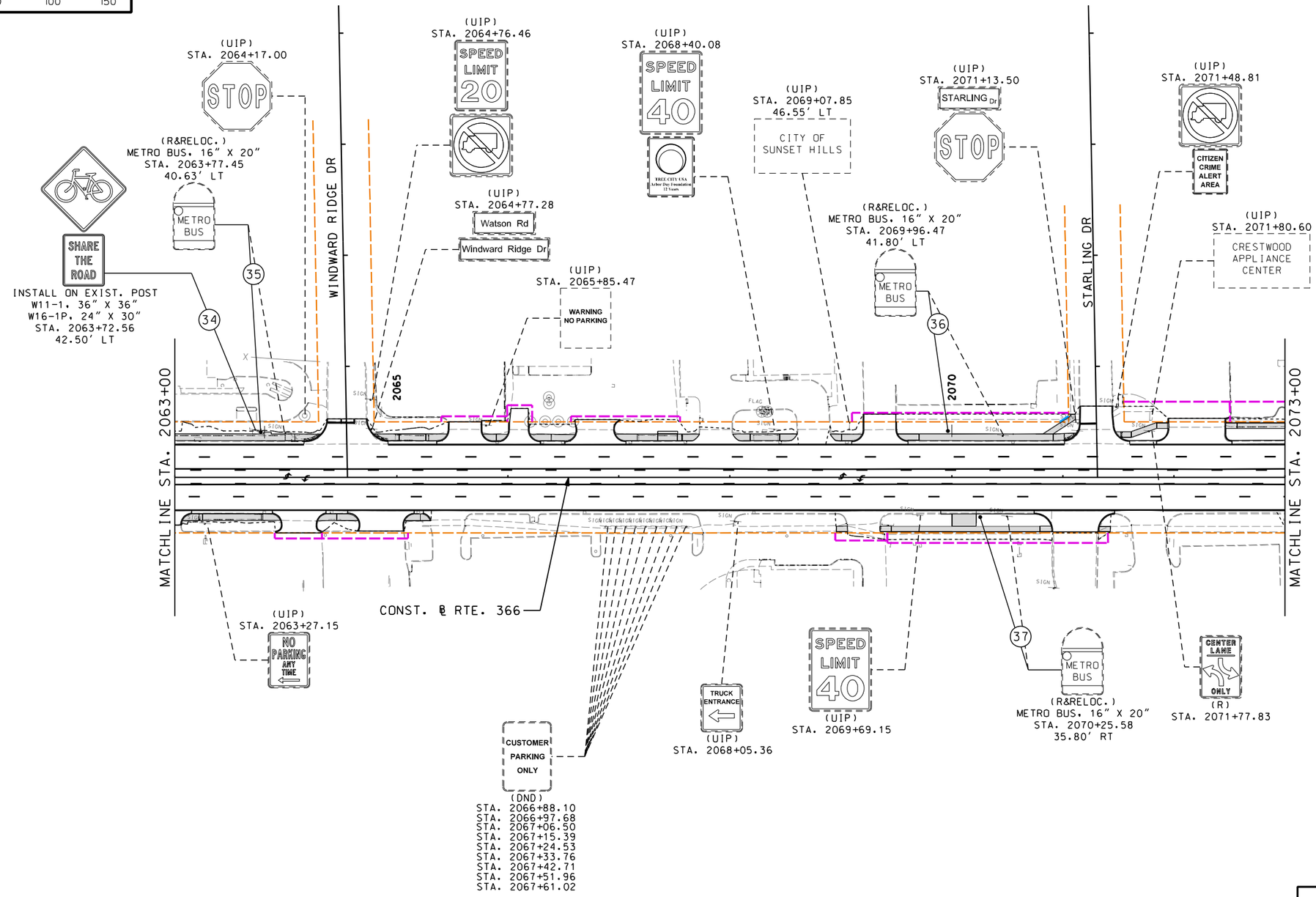

SHEET 7 OF 41

SIGNING SHEET

ROUTE 366
WATSON ROAD

JASON LAWRENCE C. JARQUIO NUMBER PE-2021011939 STATE OF MISSOURI PROFESSIONAL ENGINEER

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Jason Lawrence C. Jarquio
Civil MO PE-2021011939

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7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	449

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

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JASON L. JARQUIO
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PE-2021011939

REV.

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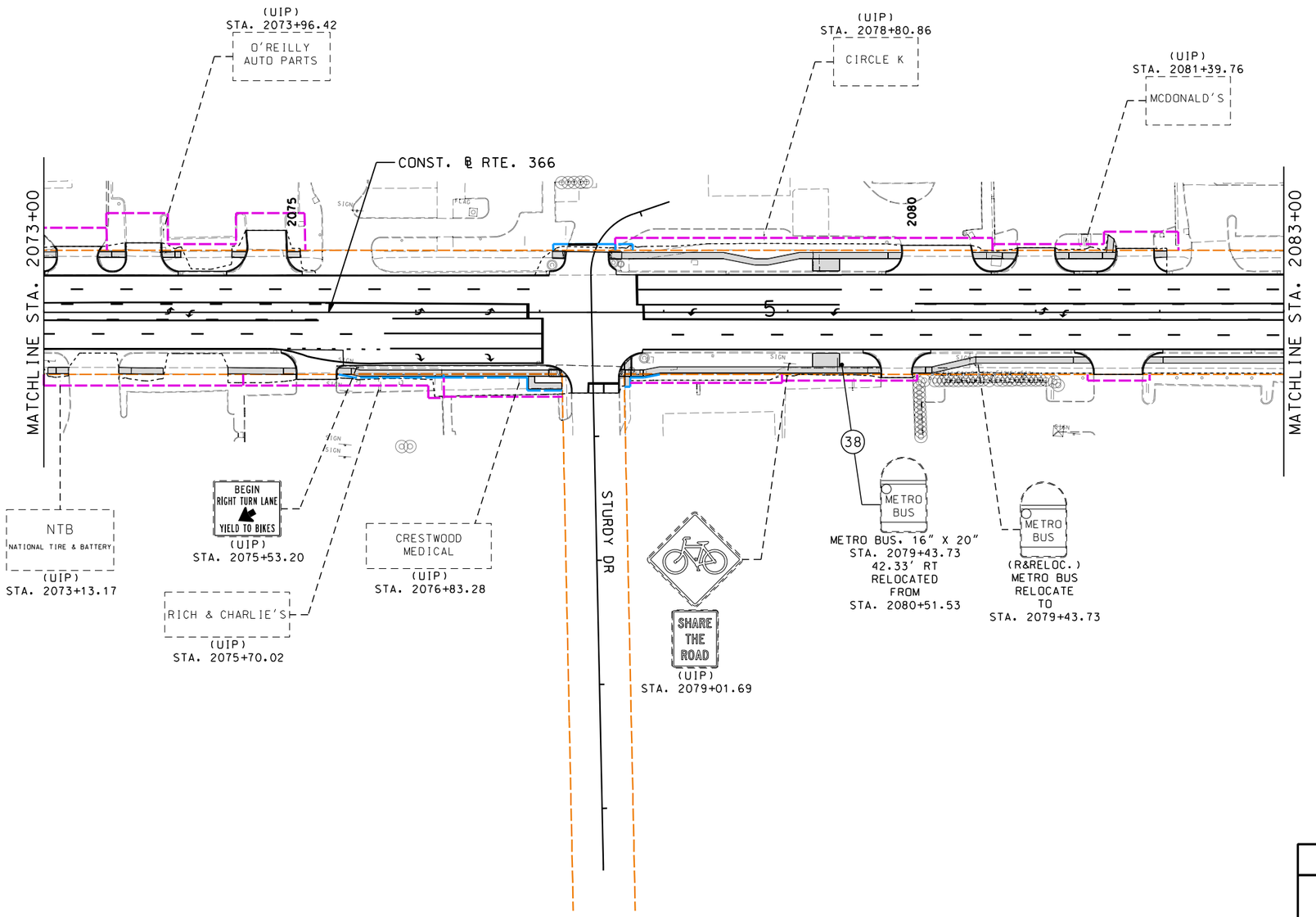

STATE OF MISSOURI
JASON LAWRENCE C. JARQUIO
NUMBER PE-2021011939
PROFESSIONAL ENGINEER

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Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	450

COUNTY
ST. LOUIS

JOB NO.
J6S3582

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PROJECT NO.

BRIDGE NO.

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PE-2021011939

REV.

SHEET 8 OF 41

SIGNING SHEET

ROUTE 366
WATSON ROAD

SCALE

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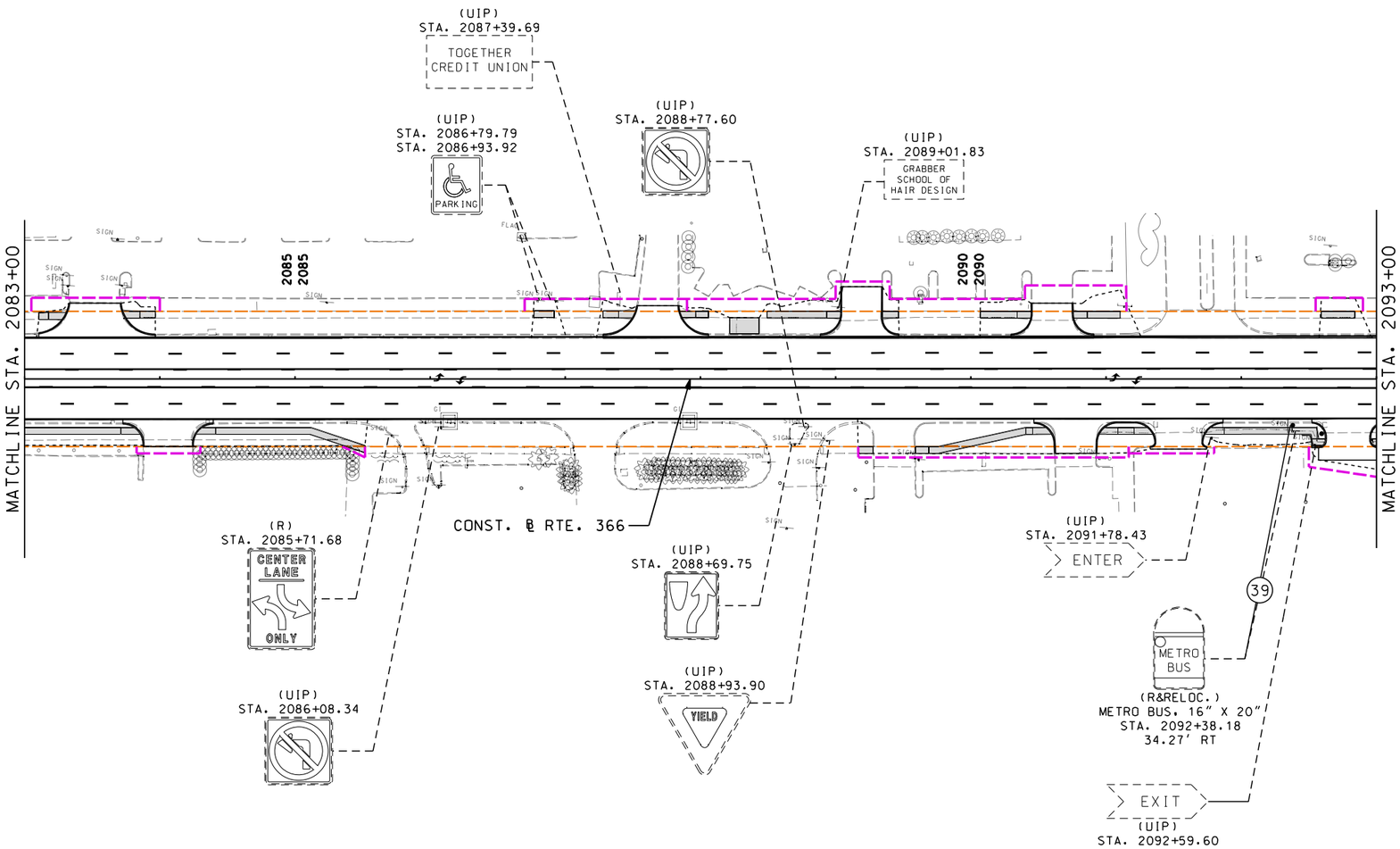

SHEET 9 OF 41

SIGNING SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
JASON LAWRENCE C. JARQUIO NUMBER PE-2021011939
PROFESSIONAL ENGINEER

07/26/2024 3:22:40 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	451

COUNTY
ST. LOUIS

JOB NO.
J6S3582

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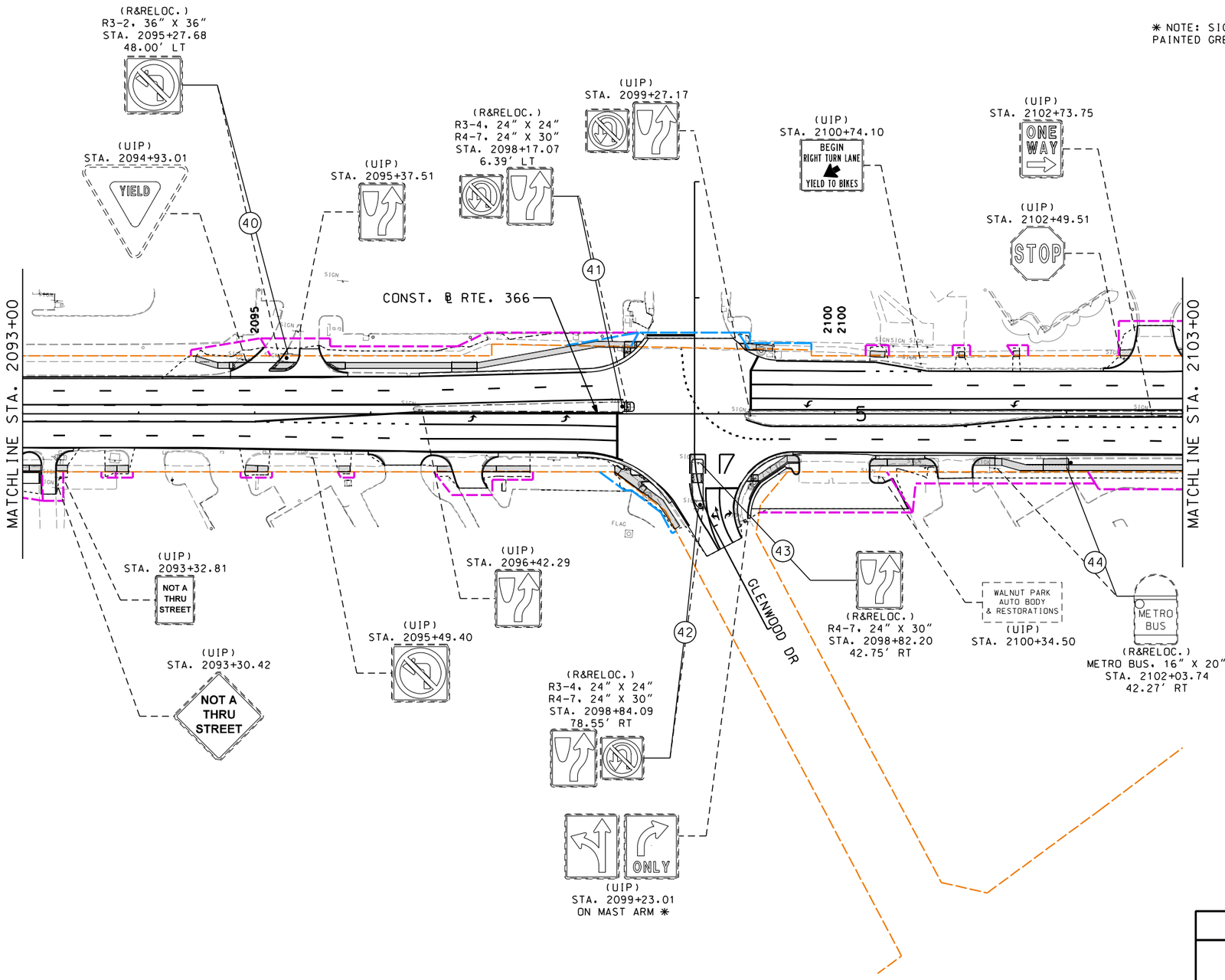
✳ NOTE: SIGN POST AND MAST ARM SHALL BE PAINTED GREEN. SEE JSP FOR DETAILS.



SHEET 10 OF 41

SIGNING SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
JASON LAWRENCE C. JARQUIO
NUMBER PE-2021011939
PROFESSIONAL ENGINEER

07/26/2024 3:22:40 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	452

COUNTY
ST. LOUIS

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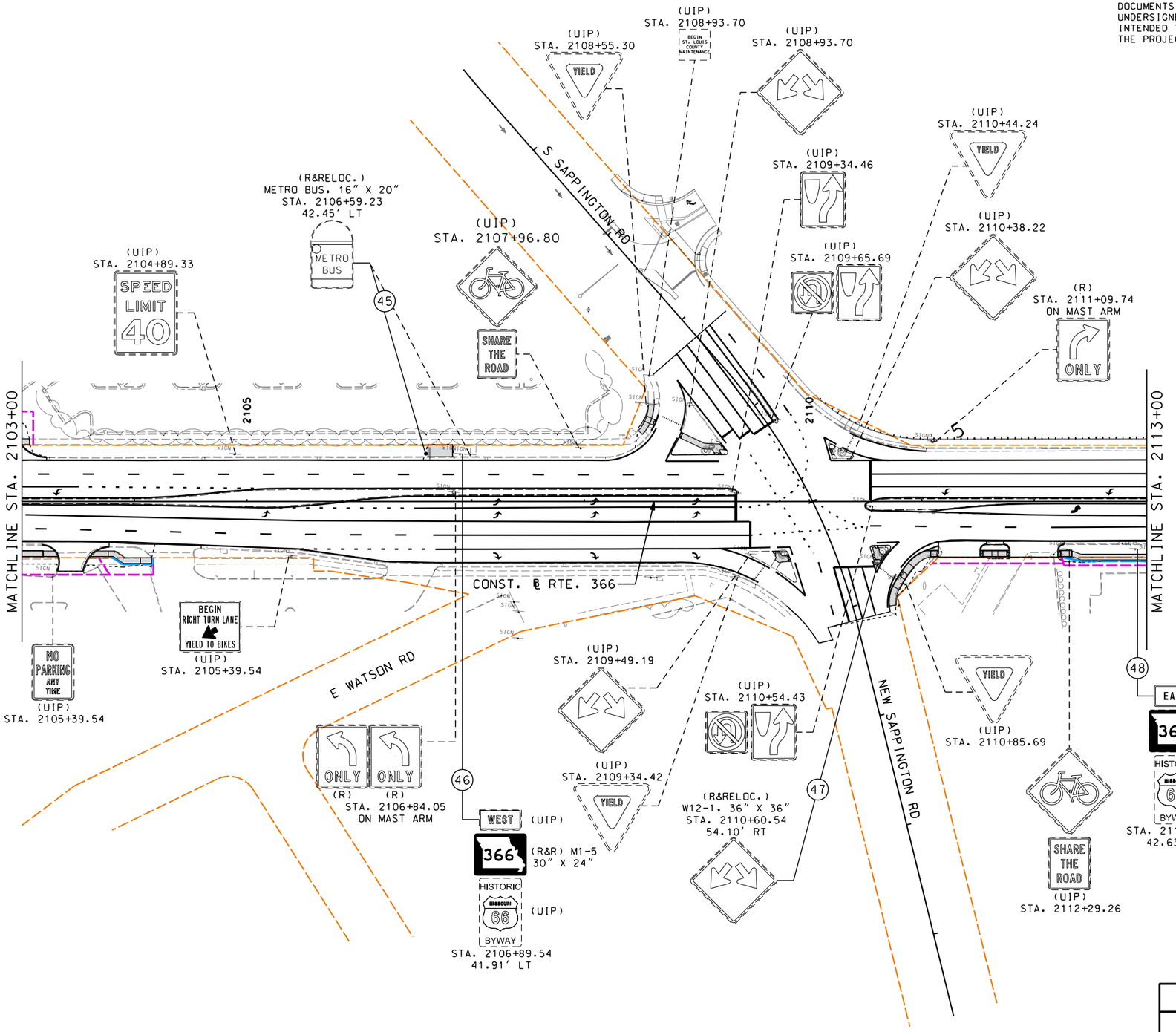

SHEET 11 OF 41

SIGNING SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
JASON LAWRENCE C. JARQUIO
NUMBER PE-2021011939
PROFESSIONAL ENGINEER

07/26/2024 3:22:40 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	453

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr., Ste 300
Chesterfield, Missouri 63017
636.240.2444
www.gbateam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

JASON L. JARQUIO
PROFESSIONAL ENGINEER
PE-2021011939

REV.

SCALE
0 50 100 150

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(UIP)
STA. 2114+58.19
SPEED LIMIT 40

(UIP)
STA. 2124+48.94
SPEED LIMIT 40

(UIP)
STA. 2125+03.77
WEST 366

(UIP)
STA. 2124+58.47

MATCHLINE STA. 2113+00

MATCHLINE STA. 2126+00

2115
2115
2120
2125

CONST. ℄ RTE. 366

5

49

METRO BUS

(R&RELOC.)
METRO BUS, 16" X 20"
STA. 2113+33.76
45.27' RT

ENTER

(UIP)
STA. 2114+93.74

ENTER

(DND)
STA. 2116+05.37

OLD SAPPINGTON RD

CUSTOMER PARKING ONLY

(UIP)
STA. 2120+47.17

50

(R&RELOC.)
R3-2, 36" X 36"
STA. 2120+18.32
41.93' RT

YIELD

(UIP)
STA. 2120+47.17

(UIP)
STA. 2121+56.35

CUSTOMER PARKING ONLY

NO LOITERING OR SOLICITING
VIOLATERS WILL BE PROSECUTED

(UIP)
STA. 2124+52.64

(UIP)
STA. 2124+71.82

YIELD

(UIP)
STA. 2125+30.90
BEGIN RIGHT TURN LANE
YIELD TO BIKES

SHEET 12 OF 41

SIGNING SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
JASON LAWRENCE C. JARQUIO
NUMBER PE-2021011939
PROFESSIONAL ENGINEER

07/26/2024 3:22:41 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	454

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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JASON L. JARQUIO
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PE-2021011939

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SCALE

0 50 100 150

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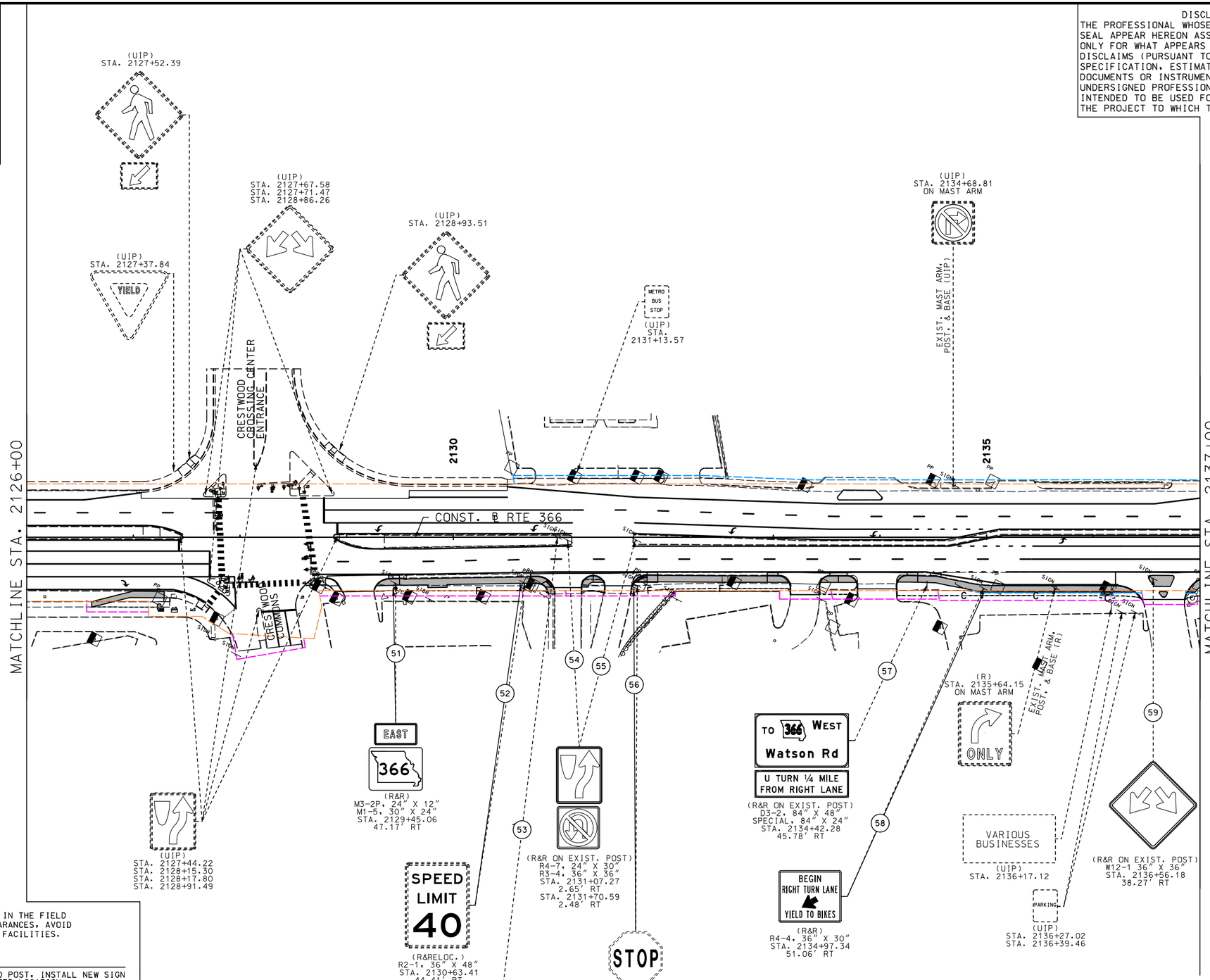

NOTE: SIGN LOCATIONS MAY BE MODIFIED IN THE FIELD TO PROVIDE MIN. HORIZONTAL CLEARANCES, AVOID EXISTING SIGNS AND UNDERGROUND FACILITIES.

LEGEND

(R&R)	REMOVE EXISTING SIGN AND POST, INSTALL NEW SIGN AND NEW POST AT DESIGNATED LOCATION
(R & RELOC.)	REMOVE POST AND REUSE EXISTING SIGN ON NEW POST AT DESIGNATED LOCATION
(R)	REMOVE
(UIP)	USE IN PLACE
(DND)	DO NOT DISTURB
(RBO)	REMOVED BY OWNER

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	455

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
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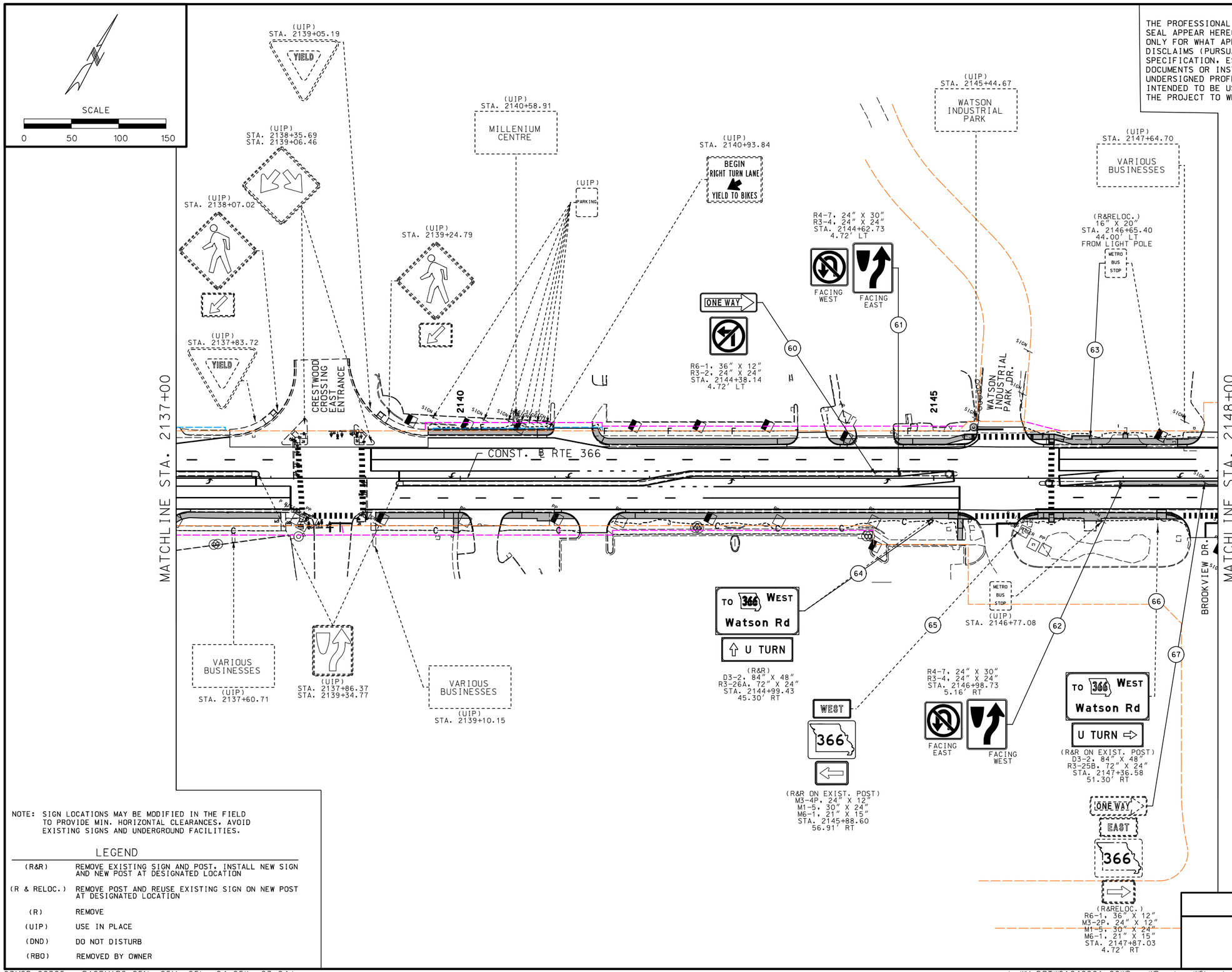
SHEET 13 OF 41

SIGNING SHEET

ROUTE 366
WATSON ROAD



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(DND)	DO NOT DISTURB
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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED	7/25/2024
MO ROUTE	366
STATE	MO
DISTRICT	SL
SHEET NO.	456
COUNTY	ST. LOUIS
JOB NO.	J6S3582
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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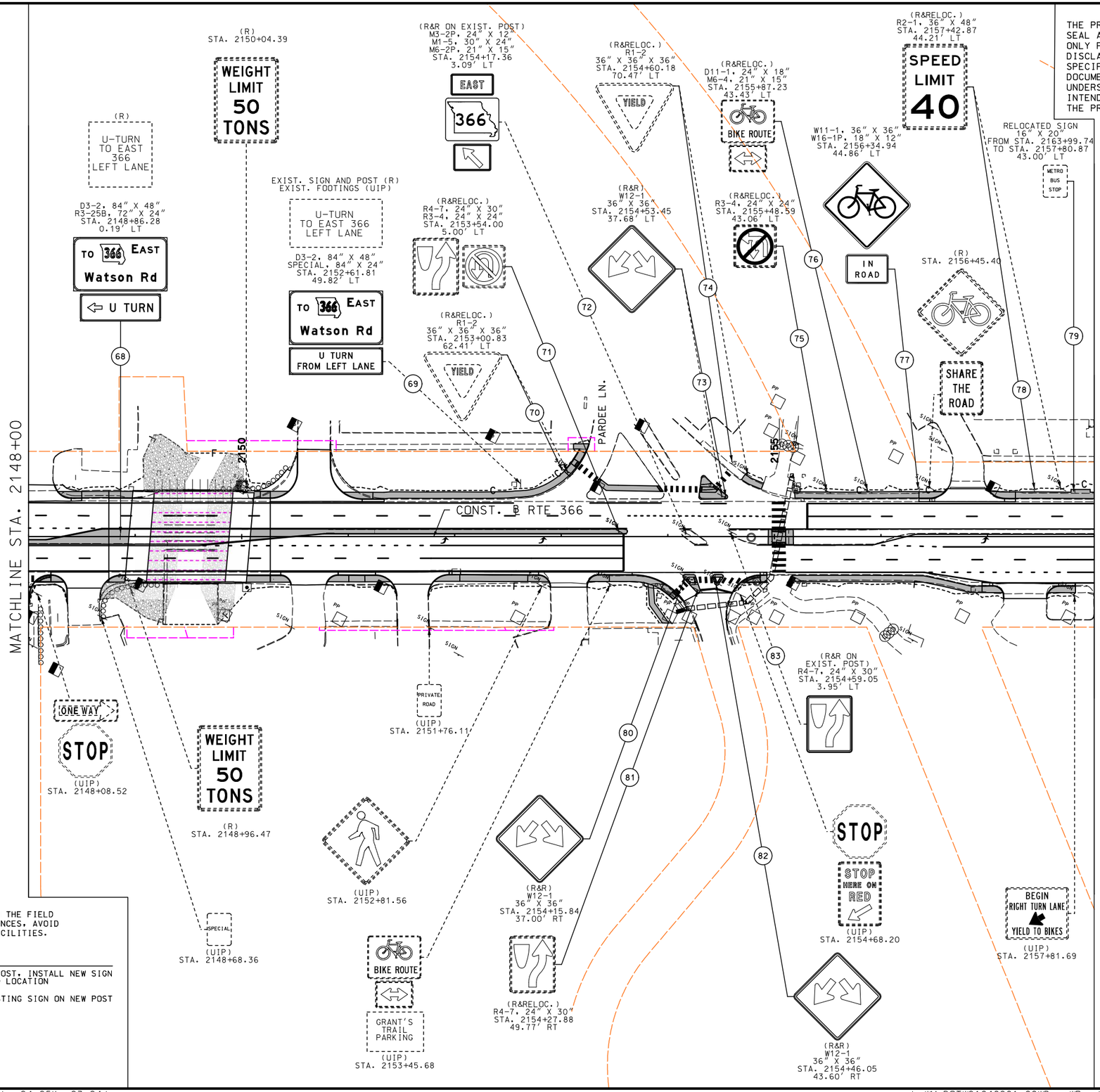
SHEET 14 OF 41

SIGNING SHEET

ROUTE 366
WATSON ROAD

REV.

SCALE
0 50 100 150



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NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	457

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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SHEET 15 OF 41
SIGNING SHEET
ROUTE 366
WATSON ROAD

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(R&RELOC.) R1-2 36" X 36" X 36" STA. 2159+78.16 73.98' LT RELOCATE TO SIGNAL POST

(R&RELOC.) W12-1 36" X 36" STA. 2159+08.38 44.87' LT

(R&R) W12-1 36" X 36" STA. 2159+71.17 35.67' LT

(R) STA. 2160+36.87 ON MAST ARM

(UIP) STA. 2162+43.90 BEGIN RIGHT TURN LANE YIELD TO BIKES

(R&R ON EXIST. POLE) R4-7, 24" X 30" STA. 2163+03.10 0.50' RT

(UIP) STA. 2158+71.69 ON LIGHT POLE

(R) STA. 2159+23.70

EXIST. MAST ARM, POST, & BASE (R)

(R&RELOC.) 16" X 20" TO STA. 2157+80.87 FROM STA. 2163+99.74 ON LIGHT POLE

(UIP) STA. 2158+41.71 HISTORIC US 66 BYWAY

MATCHLINE STA. 2158+00

MATCHLINE STA. 2170+00

CONST. ℄ RTE 366

SEE DETAIL 1

GRANT RD

(R&R) W12-1, 36" X 36" STA. 2159+16.73 37.44' RT

(R&RELOC.) R1-2 36" X 36" X 36" STA. 2159+19.04 75.04' RT FROM LIGHT POLE

R4-7 24" X 30" STA. 2158+90.38, 4.90' LT STA. 2159+99.86, 5.41' RT

(R&RELOC.) R1-2 36" X 36" X 36" STA. 2160+26.12 46.85' RT

(R) STA. 2159+73.75

(R&R) W12-1 36" X 36" STA. 2159+85.56 47.04' RT RELOCATE TO SIGNAL POST

SHARE THE ROAD

(R) STA. 2162+24.79

IN ROAD

W11-1, 36" X 36" W16-1P, 18" X 12" STA. 2161+24.79 45.26' RT

(R&RELOC.) 16" X 20" STA. 2161+07.80 47.18' RT

(UIP) STA. 2163+96.81 HISTORIC US 66 BYWAY

CENTER LANE ONLY

(R) R3-9B, 24" X 36" STA. 2167+89.62 49.20' RT

DETAIL 1
(R)
STA. 2158+65
ON MAST ARM
REMOVE MAST ARM, POST, & BASE

ONLY

NOTE: SIGN LOCATIONS MAY BE MODIFIED IN THE FIELD TO PROVIDE MIN. HORIZONTAL CLEARANCES, AVOID EXISTING SIGNS AND UNDERGROUND FACILITIES.

LEGEND

(R&R)	REMOVE EXISTING SIGN AND POST, INSTALL NEW SIGN AND NEW POST AT DESIGNATED LOCATION
(R & RELOC.)	REMOVE POST AND REUSE EXISTING SIGN ON NEW POST AT DESIGNATED LOCATION
(R)	REMOVE
(UIP)	USE IN PLACE
(DND)	DO NOT DISTURB
(RBO)	REMOVED BY OWNER

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	458

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ENGINEERING CORPORATION - 000631
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REV.

SHEET 16 OF 41

SIGNING SHEET

ROUTE 366
WATSON ROAD

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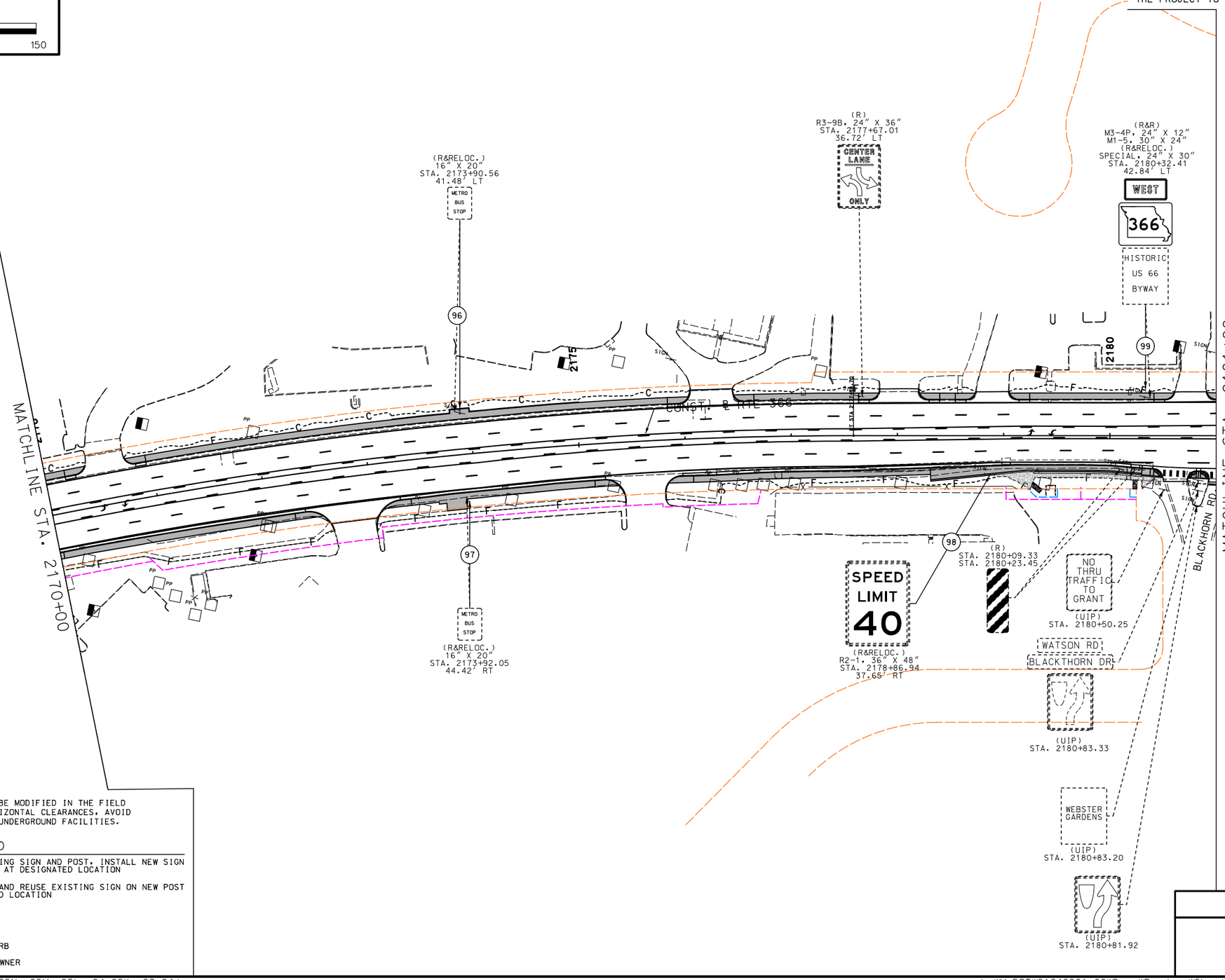
SCALE
0 50 100 150



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(R)	REMOVE
(UIP)	USE IN PLACE
(DND)	DO NOT DISTURB
(RBO)	REMOVED BY OWNER

SHEET 17 OF 41

SIGNING SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	459

COUNTY
ST. LOUIS

JOB NO.
J6S3582

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PROJECT NO.

BRIDGE NO.

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JEFFERSON CITY, MO 65102
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MATCHLINE STA. 2181+00

MATCHLINE STA. 2192+00

(DND)
STA. 2181+21.62
MAHER CHIROPRACTIC

(UIP)
STA. 2181+16.47
STOP

(UIP)
STA. 2184+61.86
BEGIN RIGHT TURN LANE
YIELD TO BIKES

(UIP)
STA. 2185+27.34
STA. 2186+21.79

(R&R ON EXIST. POST)
W12-1, 36" X 36"
STA. 2186+21.38
30.42' RT

(R&RELOC.)
R1-2
36" X 36" X 36"
STA. 2186+14.13
67.09' RT
YIELD

(R&RELOC.)
R10-6L, 24" x 36"
STA. 2186+55.63
75.58' LT
STOP HERE ON RED

(UIP)
STA. 2187+11.18
NO THRU TRUCKS

(UIP)
STA. 2187+24.96
STA. 2188+17.98

(R&RELOC.)
16" X 20"
STA. 2187+54.47
38.21' RT
METRO BUS STOP

(R&RELOC.)
24" X 30"
STA. 2189+05.00
36.54' RT
HISTORIC US 66 BYWAY

(UIP)
STA. 2190+63.36
METRO BUS STOP

(R&R)
M3-2P, 24" X 12"
M1-5, 30" X 24"
STA. 2187+41.04
40.22' RT
EAST
366

2185

2190

CONST. ℄ RTE 366

100 101 102 103 104 105

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LEGEND

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	460

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION | DATE | REV.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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SHEET 18 OF 41

SIGNING SHEET

ROUTE 366
WATSON ROAD

SCALE

0 50 100 150

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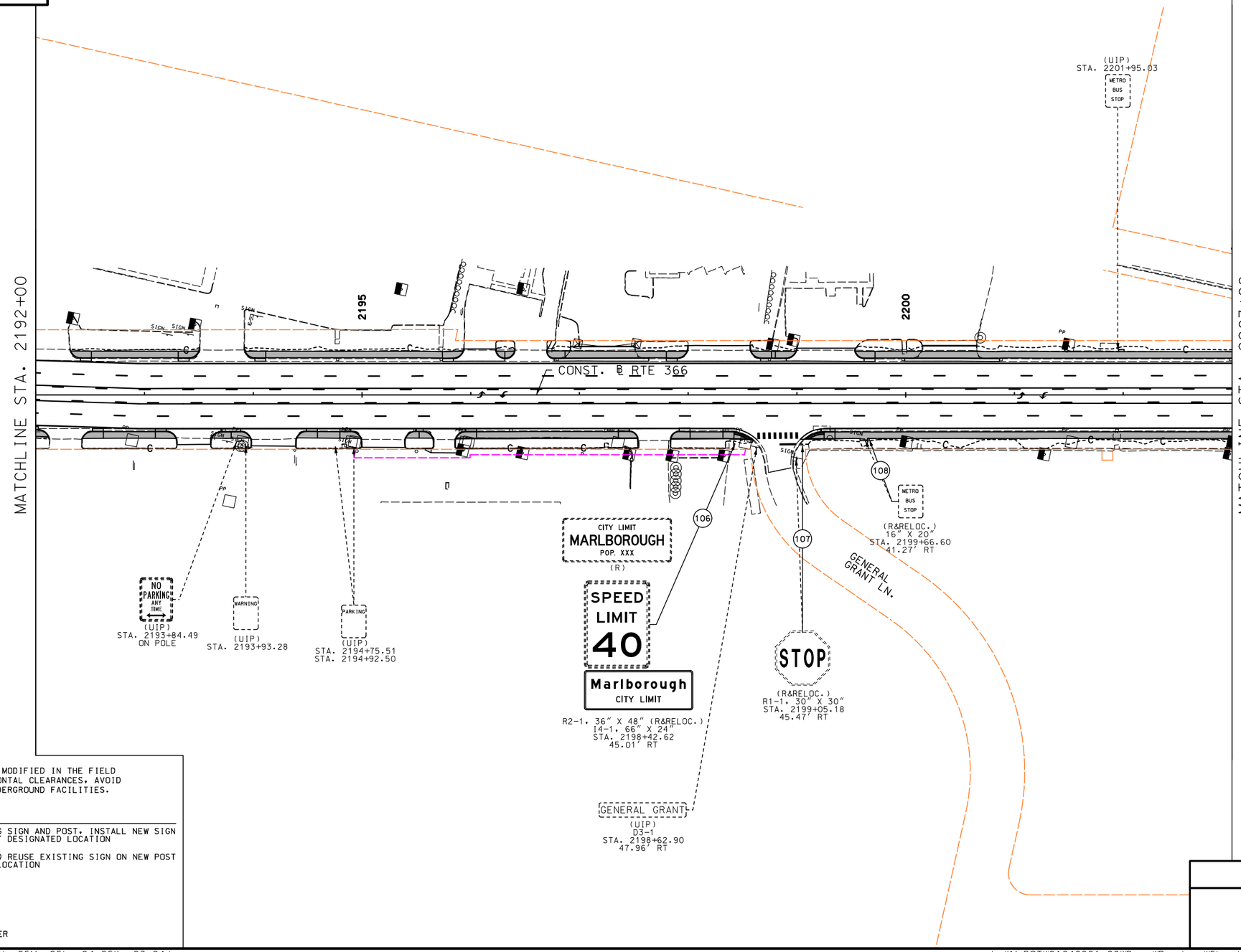

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SHEET 19 OF 41

SIGNING SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	461

COUNTY
ST. LOUIS

JOB NO.
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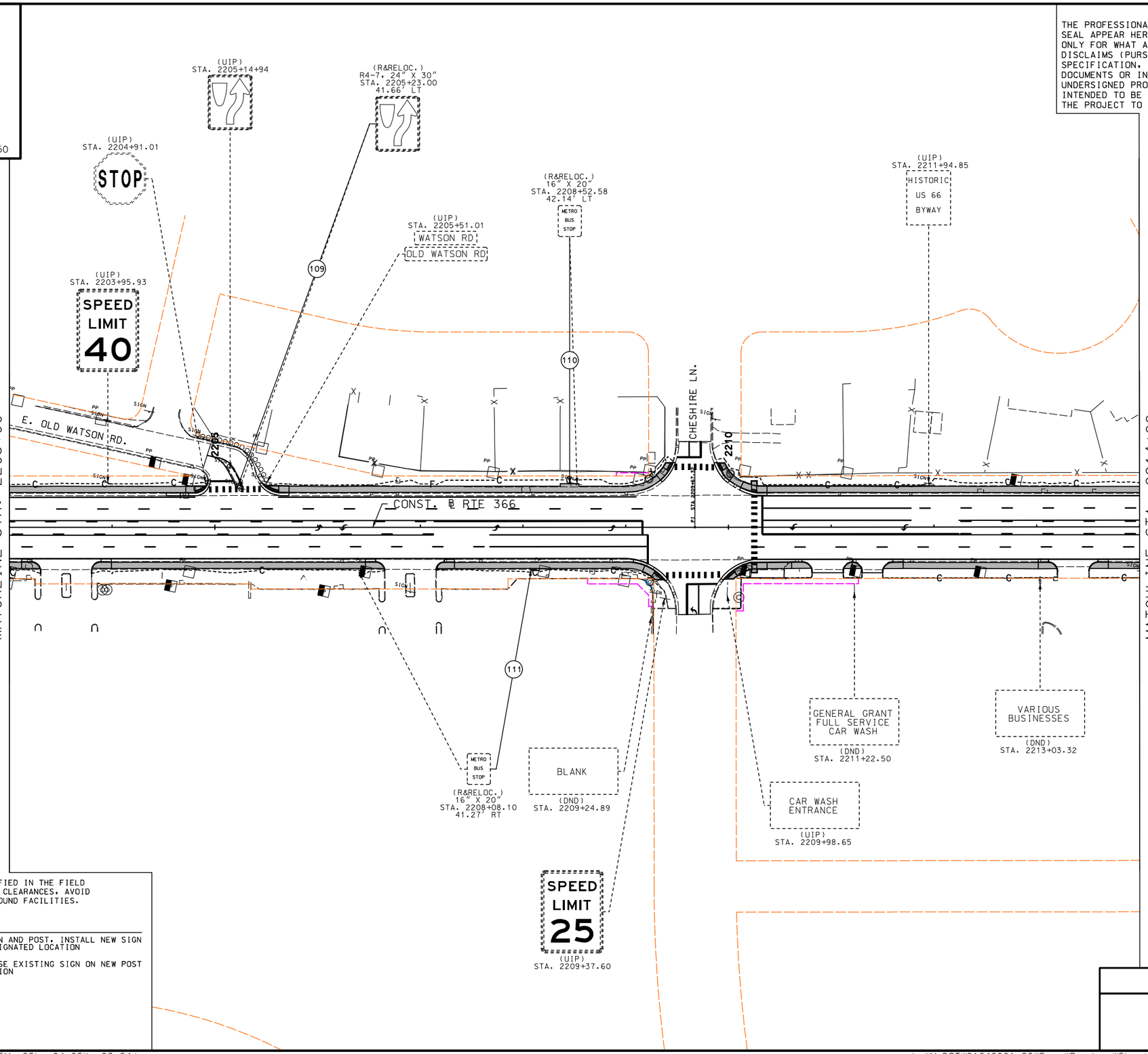

NOTE: SIGN LOCATIONS MAY BE MODIFIED IN THE FIELD TO PROVIDE MIN. HORIZONTAL CLEARANCES, AVOID EXISTING SIGNS AND UNDERGROUND FACILITIES.

LEGEND

(R&R)	REMOVE EXISTING SIGN AND POST. INSTALL NEW SIGN AND NEW POST AT DESIGNATED LOCATION
(R & RELOC.)	REMOVE POST AND REUSE EXISTING SIGN ON NEW POST AT DESIGNATED LOCATION
(R)	REMOVE
(UIP)	USE IN PLACE
(DND)	DO NOT DISTURB
(RBO)	REMOVED BY OWNER

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	462

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

SHEET 20 OF 41

SIGNING SHEET

ROUTE 366
WATSON ROAD

SCALE

0 50 100 150

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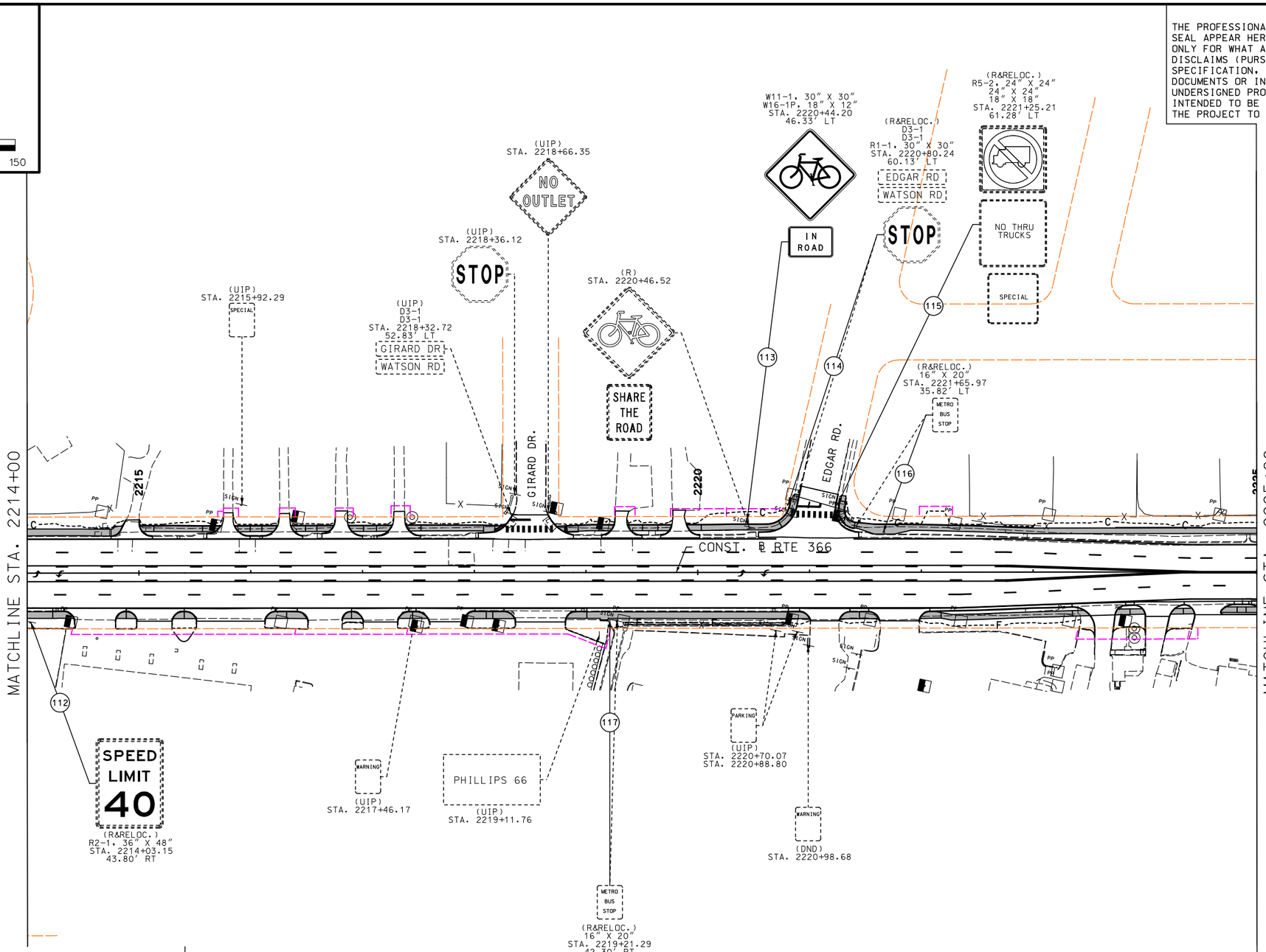

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(R)	REMOVE
(UIP)	USE IN PLACE
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SHEET 21 OF 41

SIGNING SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	463

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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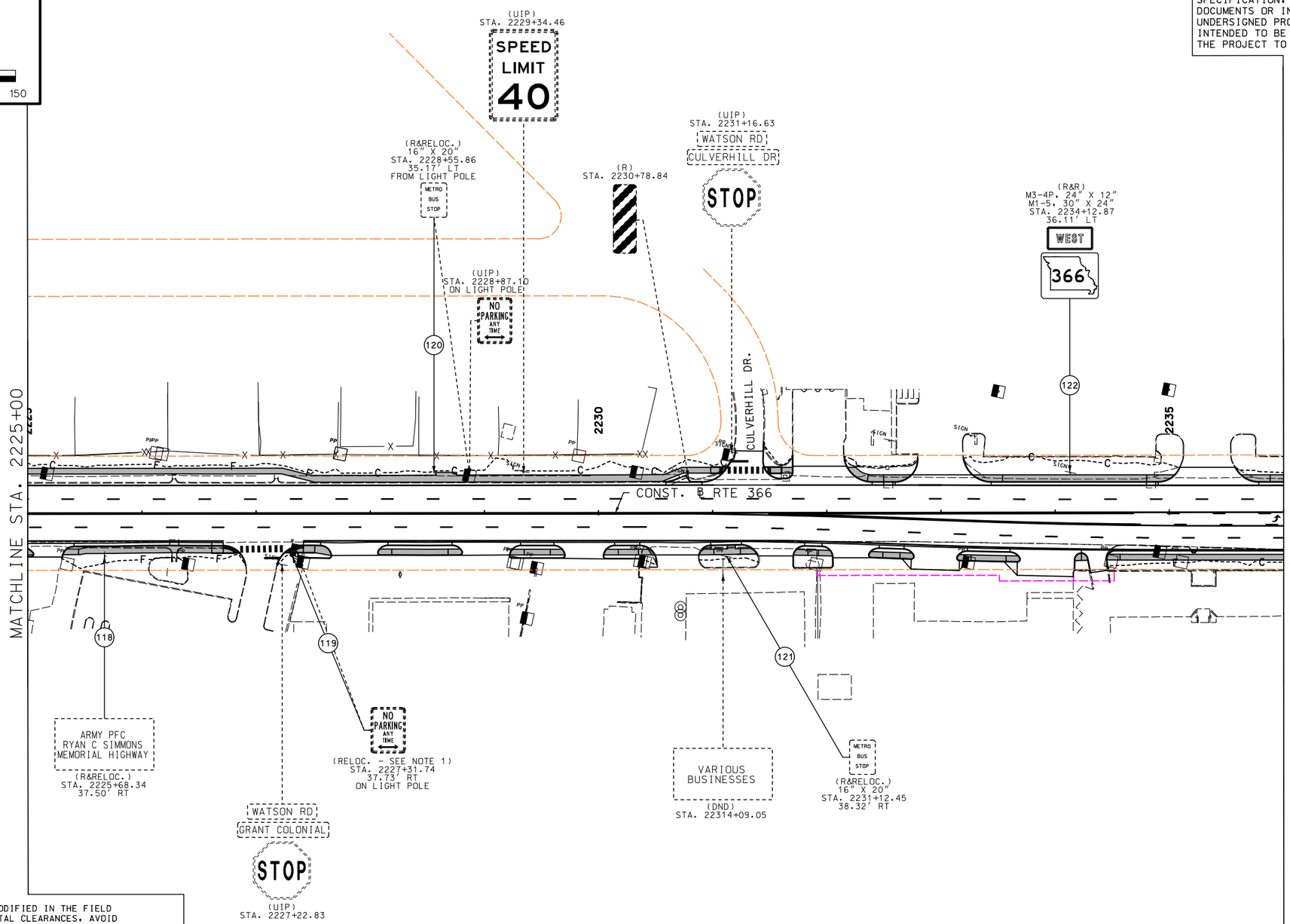

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NOTE 1: SIGN IS MOUNTED ON A LIGHT POLE THAT IS BEING RELOCATED BY OTHERS, SIGN TO BE RELOCATED TO NEW LIGHT POLE

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CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	464

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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JEFFERSON CITY, MO 65102
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SHEET 22 OF 41

SIGNING SHEET

ROUTE 366
WATSON ROAD

SCALE

0 50 100 150

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MATCHLINE STA. 2236+00

MATCHLINE STA. 2247+00

CONST. ℄ RTE 366

(UIP) STA. 2236+47.22
STA. 2236+80.81
WARNING

(UIP) STA. 2238+36.21

(UIP) STA. 2238+38.28
ONE WAY

(R&RELOC.) 24" X 30" STA. 2239+05.91 52.53' LT
NOTICE
NO TRUCK ENTRANCE

(UIP) STA. 2241+59.96
METRO BUS STOP
NO PARKING BUS ZONE

(UIP) STA. 2241+94.58
STA. 2242+50.41
STA. 2243+45.74
STA. 2243+59.62

(R&RELOC.) R1-2 36" X 36" X 36" STA. 2244+23.88 78.75' LT
YIELD

(R&RELOC.) R4-4, 36" X 30" STA. 2245+77.18 51.74' LT
BEGIN RIGHT TURN LANE
YIELD TO BIKES

GRANT VILLAGE

STOP
(UIP) STA. 2237+00.48

THE VILLAGES
(DND) STA. 2237+24.17

METRO BUS STOP
(UIP) STA. 2237+93.65

WELCOME TO THE VILLAGE OF MARLBOROUGH
(UIP) STA. 2241+78.19

(UIP) STA. 2241+65.96
STA. 2242+18.58

JACK IN THE BOX
(DND) STA. 2243+29.88

(R&R) M3-2P, 24" X 12" M1-5, 30" X 24" STA. 2245+24.29 42.38' RT
EAST
366

WATSON RD
MARTYS
(UIP) D3-1 STA. 2246+99.11 43.73' RT

STOP
(UIP) STA. 2246+97.06

BEGIN RIGHT TURN LANE
YIELD TO BIKES
(R&R ON EXIST. POST) R4-4, 36" X 30" STA. 2237+76.18 37.76' RT

(UIP) STA. 2240+79.94
METRO BUS STOP

LACLEDE STATION RD.

(R&R ON EXIST. POST) W12-1, 36" X 36" STA. 2244+10.82 33.81' LT

SAINT LOUIS COUNTY ADOPT A ROADSIDE
DECA REALTY CO.
BEGIN ST. LOUIS COUNTY MAINTENANCE
END ST. LOUIS COUNTY MAINTENANCE
(UIP) STA. 2240+77.91

COURTESY DINER
(DND) STA. 2242+32.46

BEGIN ST. LOUIS COUNTY MAINTENANCE
END ST. LOUIS COUNTY MAINTENANCE
(UIP) STA. 2242+86.19

NOTE: SIGN LOCATIONS MAY BE MODIFIED IN THE FIELD TO PROVIDE MIN. HORIZONTAL CLEARANCES, AVOID EXISTING SIGNS AND UNDERGROUND FACILITIES.

LEGEND

(R&R)	REMOVE EXISTING SIGN AND POST, INSTALL NEW SIGN AND NEW POST AT DESIGNATED LOCATION
(R & RELOC.)	REMOVE POST AND REUSE EXISTING SIGN ON NEW POST AT DESIGNATED LOCATION
(R)	REMOVE
(UIP)	USE IN PLACE
(DND)	DO NOT DISTURB
(RBO)	REMOVED BY OWNER

SHEET 23 OF 41

SIGNING SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	465

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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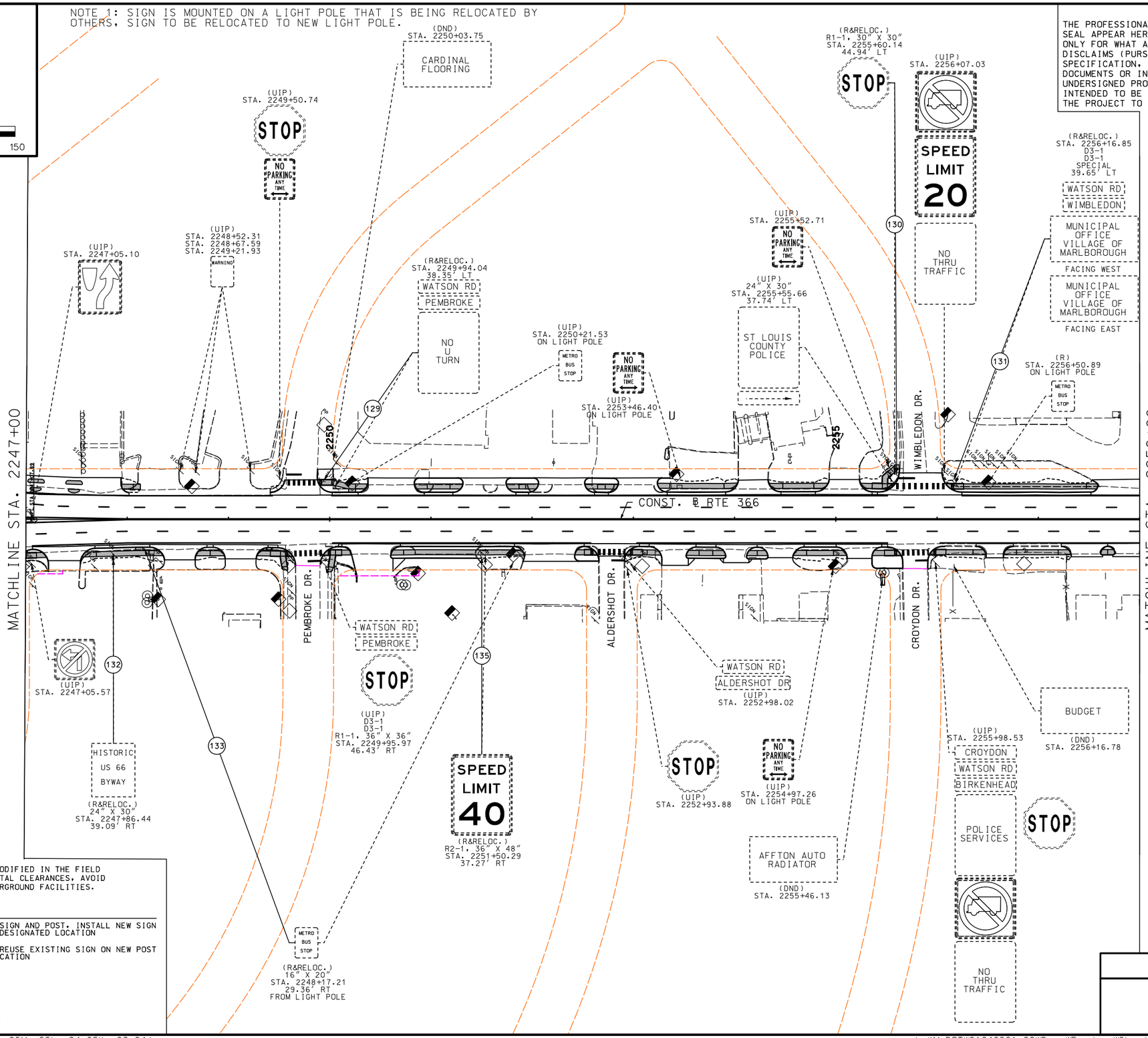
REV.

NOTE 1: SIGN IS MOUNTED ON A LIGHT POLE THAT IS BEING RELOCATED BY OTHERS, SIGN TO BE RELOCATED TO NEW LIGHT POLE.

SCALE
0 50 100 150



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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
09/06/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED: 9/5/2024
MO ROUTE: 366 | STATE: MO
DISTRICT: SL | SHEET NO.: 466
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

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JEFFERSON CITY, MO 65102
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REV.

SHEET 24 OF 41

SIGNING SHEET

ROUTE 366
WATSON ROAD

SCALE

0 50 100 150

RECTANGULAR RAPID FLASHING BEACON SYSTEM (SEE RRFB DETAIL SHEET)
(a) W11-2, 36" X 36"
(b) W16-7P, 24" X 12"
STA. 2263+31.74
29.50' LT

(R)
STA. 2263+29.09

SHARE THE ROAD

(R&RELOC.)
STA. 2264+37.25
73.69' LT

NO SOLICITING

(UIP)
D3-1
STA. 2264+51.45
38.53' LT

WATSON RD

OAK KNOLL MANOR DR

(UIP)
STA. 2264+67.32
ON LIGHT POLE

NO PARKING ANY TIME

(R)
CITY LIMIT
MARLBOROUGH
POP. XXX

R2-1, 36" X 48" (R&RELOC.)
I4-1, 66" X 24"
STA. 2265+89.91
34.59' LT

SPEED LIMIT 40

Marlborough
CITY LIMIT

W11-1, 30" X 30"
W16-1P, 18" X 12"
STA. 2262+06.52
40.05' LT

IN ROAD

RELOCATED SIGN
16" X 20"
FROM STA. 2270+06.99
TO STA. 2262+66.27
28.98' LT

METRO BUS STOP

(R&RELOC.)
R1-1, 30" X 30"
STA. 2264+06.32
53.69' LT

STOP

(SEE RRFB DETAIL SHEET)
R1-5, 36" X 36"
STA. 2263+69.34
29.14' LT

HERE TO

(SEE RRFB DETAIL SHEET)
W11-2, 36" X 36"
W16-9P, 24" X 12"
STA. 2265+28.06
32.06' LT

AHEAD

(UIP)
STA. 2266+13.11
ON LIGHT POLE

NO PARKING ANY TIME

MATCHLINE STA. 2258+00

MATCHLINE STA. 2269+00

2260

2265

OAK KNOLL MANOR DR.

CONST. ⊞ RTE 366

136 137 138 139 140 141 142 143 144 145 146 147 148

(UIP)
STA. 2259+71.46
ON LIGHT POLE

NO PARKING ANY TIME

AHEAD

(SEE RRFB DETAIL SHEET)
W11-2, 36" X 36"
W16-9P, 24" X 12"
STA. 2260+09.14
36.84' RT

WAYSIDE MOTEL

(DND)
STA. 2260+49.75

HERE TO

R1-5, 36" X 36"
(SEE RRFB DETAIL SHEET)
STA. 2262+97.78
35.47' RT

(a)

(b)

RECTANGULAR RAPID FLASHING BEACON SYSTEM
(SEE RRFB DETAIL SHEET)
(a) W11-2, 36" X 36"
(b) W16-7P, 24" X 12"
STA. 2263+41.58
35.08' RT

(UIP)
STA. 2264+19.91

WARNING

SPECIAL

THINK DON'T DIM DRIVE

(UIP)
STA. 2267+92.21

CITY LIMIT
SHREWSBURY
POP. XXX
(R)

SPEED LIMIT 40

Shrewsbury
CITY LIMIT

R2-1, 36" X 48" (R&R)
I4-1, 66" X 24"
STA. 2267+81.98
41.40' RT

TITLEMAX

(DND)
STA. 2267+88.50

NO PARKING ANY TIME

(UIP)
STA. 2267+98.57
ON LIGHT POLE

METRO BUS STOP

(R&RELOC.)
16" X 20"
STA. 2263+92.41
34.50' RT
FROM LIGHT POLE

NOTE: SIGN LOCATIONS MAY BE MODIFIED IN THE FIELD TO PROVIDE MIN. HORIZONTAL CLEARANCES, AVOID EXISTING SIGNS AND UNDERGROUND FACILITIES.

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CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	467

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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REV.

SHEET 25 OF 41

SIGNING SHEET

ROUTE 366
WATSON ROAD

SCALE

0 50 100 150

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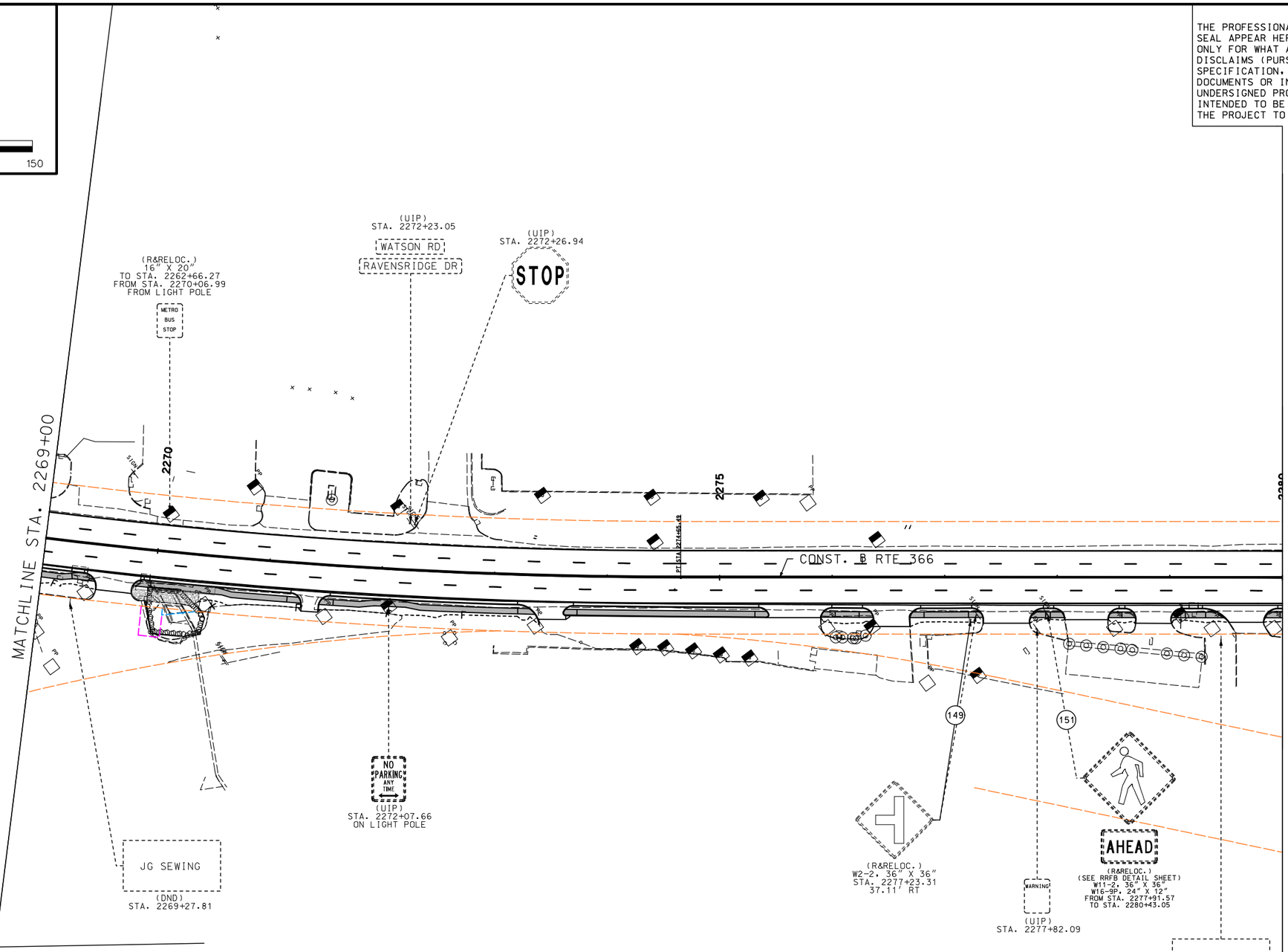

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
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07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	468

COUNTY
ST. LOUIS

JOB NO.
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BRIDGE NO.

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SHEET 26 OF 41

SIGNING SHEET

ROUTE 366
WATSON ROAD

SCALE

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MATCHLINE STA. 2280+00

MATCHLINE STA. 2291+00

2280 2285 2290

CONST. ℄ RTE 366

(R)
STA. 2280+45.69

(R&RELOC.)
R1-5, 36" X 36"
FROM STA. 2280+69.75
TO STA. 2284+09.38

(UIP)
STA. 2282+71.33
STOP

RECTANGULAR RAPID FLASHING BEACON SYSTEM
(SEE RRFB DETAIL SHEET)
(a) W11-2, 36" X 36"
(b) W16-7P, 24" X 12"
STA. 2283+71.73
36.30' LT

(R&RELOC.)
16" X 20"
STA. 2283+97.26
32.86' LT
METRO BUS STOP

(R&RELOC.)
(SEE RRFB DETAIL SHEET)
R1-5, 36" X 36"
FROM STA. 2280+69.75
TO STA. 2284+09.38
29.80' LT

(R&RELOC.)
(SEE RRFB DETAIL SHEET)
W11-2, 36" X 36"
W16-9P, 24" X 12"
STA. 2286+81.41
31.14' LT
AHEAD

(UIP)
STA. 2285+74.90
ON LIGHT POLE
NO PARKING ANY TIME

(R&R ON EXIST. POST)
W2-2, 36" X 36"
STA. 2289+41.29
39.80' LT

(UIP)
STA. 2290+84.83

(UIP)
STA. 2290+59.59
ONLY

(UIP)
STA. 2290+80.77
STA. 2290+93.01

(UIP)
STA. 2290+57.91
STOP

(UIP)
STA. 2288+19.79
WARNING

(R)
STA. 2280+30.67

(R&RELOC.)
(SEE RRFB DETAIL SHEET)
R1-5, 36" X 36"
FROM STA. 2280+07.21
TO STA. 2283+42.95

RELOCATED SIGN
(SEE RRFB DETAIL SHEET)
W11-2, 36" X 36"
W16-9P, 24" X 12"
TO STA. 2280+43.05
FROM STA. 2277+91.57
36.95' RT
AHEAD

RELOCATED SIGN
(SEE RRFB DETAIL SHEET)
R1-5, 36" X 36"
TO STA. 2283+42.95
FROM STA. 2280+07.21
28.58' RT

(R&RELOC.)
16" X 20"
STA. 2284+31.82
28.56' RT
FROM LIGHT POLE
METRO BUS STOP

RECTANGULAR RAPID FLASHING BEACON SYSTEM
(SEE RRFB DETAIL SHEET)
(a) W11-2, 36" X 36"
(b) W16-7P, 24" X 12"
STA. 2283+81.34
29.55' RT

COURTLAND MANOR
(DND)
STA. 2287+09.32

ENTRANCE
(DND)
STA. 2288+08.30

NOTE: SIGN LOCATIONS MAY BE MODIFIED IN THE FIELD TO PROVIDE MIN. HORIZONTAL CLEARANCES, AVOID EXISTING SIGNS AND UNDERGROUND FACILITIES.

LEGEND

(R&R)	REMOVE EXISTING SIGN AND POST, INSTALL NEW SIGN AND NEW POST AT DESIGNATED LOCATION
(R & RELOC.)	REMOVE POST AND REUSE EXISTING SIGN ON NEW POST AT DESIGNATED LOCATION
(R)	REMOVE
(UIP)	USE IN PLACE
(DND)	DO NOT DISTURB
(RBO)	REMOVED BY OWNER

SHEET 27 OF 41

SIGNING SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	469

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT

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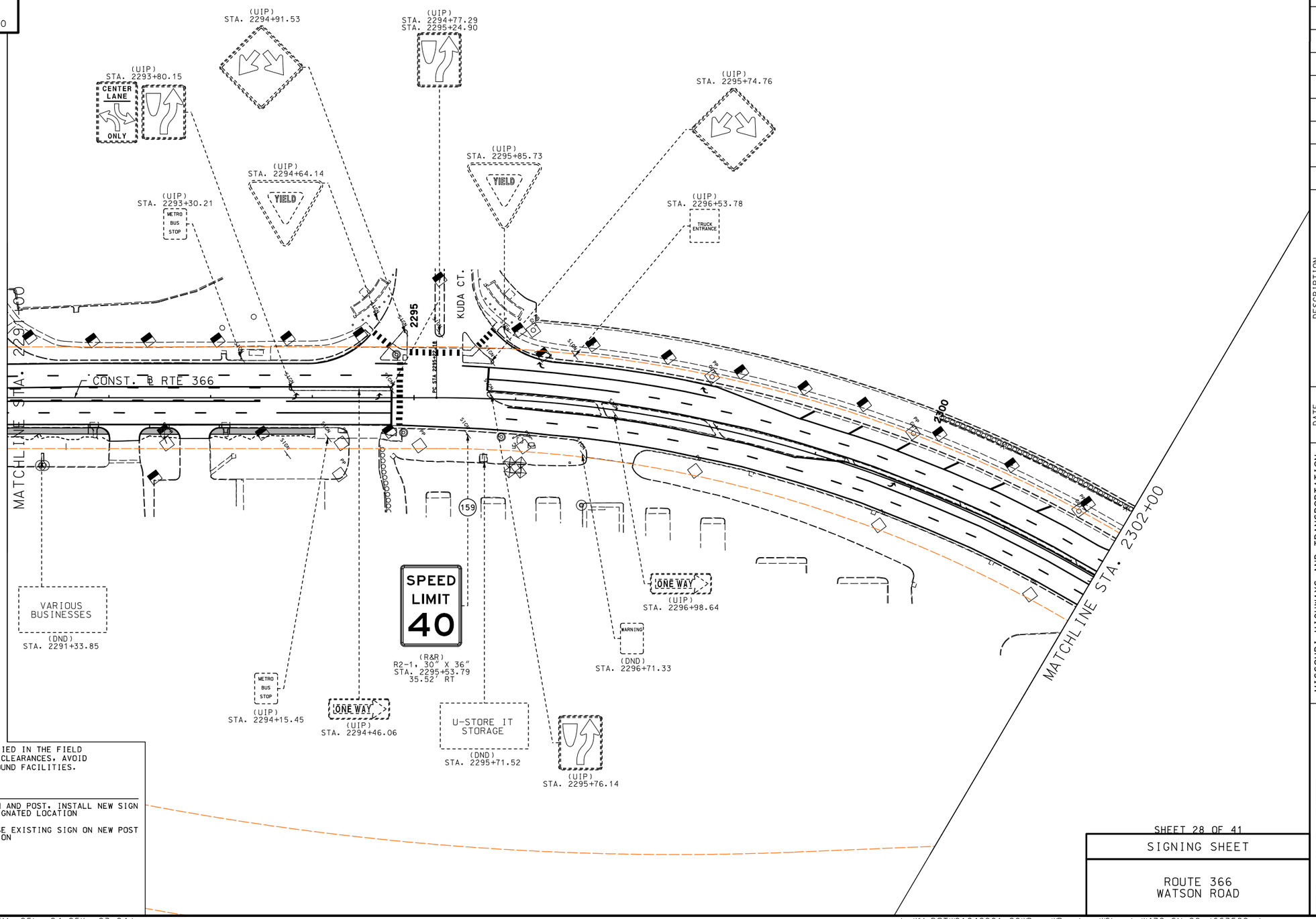
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

SCALE

0 50 100 150



NOTE: SIGN LOCATIONS MAY BE MODIFIED IN THE FIELD TO PROVIDE MIN. HORIZONTAL CLEARANCES, AVOID EXISTING SIGNS AND UNDERGROUND FACILITIES.

LEGEND

(R&R)	REMOVE EXISTING SIGN AND POST, INSTALL NEW SIGN AND NEW POST AT DESIGNATED LOCATION
(R & RELOC.)	REMOVE POST AND REUSE EXISTING SIGN ON NEW POST AT DESIGNATED LOCATION
(R)	REMOVE
(UIP)	USE IN PLACE
(DND)	DO NOT DISTURB
(RBO)	REMOVED BY OWNER

DISCLAIMER

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	470

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ENGINEERING CORPORATION - 000631

SHEET 28 OF 41

SIGNING SHEET

ROUTE 366
WATSON ROAD

SCALE

0 50 100 150

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(R&RELOC.)
R1-1, 30" X 30"
STA. 2302+41.13
61.88' LT

STOP

(UIP)
STA. 2302+27.63

(DND)
STA. 2304+83.03
THE CENTER AT KENRICK PLAZA

(UIP)
STA. 2303+45.51
NOT A TRUCK ENTRANCE

(UIP)
STA. 2305+93.08
SPEED LIMIT 40

(R)
STA. 2307+90.15

(DND)
STA. 2311+30.36
MERCY

160

MATCHLINE STA. 2302+00

MATCHLINE STA. 2313+00

2305

2310

CONST. B RTE 366

CALIBER COLLISION
(DND)
STA. 2302+96.51

NO TURN
(UIP)
STA. 2303+68.22
STA. 2304+3.55

NO PARKING ANY TIME
(UIP)
STA. 2307+26.02
ON LIGHT POLE

NOTE: SIGN LOCATIONS MAY BE MODIFIED IN THE FIELD TO PROVIDE MIN. HORIZONTAL CLEARANCES, AVOID EXISTING SIGNS AND UNDERGROUND FACILITIES.

LEGEND

(R&R)	REMOVE EXISTING SIGN AND POST, INSTALL NEW SIGN AND NEW POST AT DESIGNATED LOCATION
(R & RELOC.)	REMOVE POST AND REUSE EXISTING SIGN ON NEW POST AT DESIGNATED LOCATION
(R)	REMOVE
(UIP)	USE IN PLACE
(DND)	DO NOT DISTURB
(RBO)	REMOVED BY OWNER

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	471

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ENGINEERING CORPORATION - 000631

REV.

SHEET 29 OF 41

SIGNING SHEET

ROUTE 366
WATSON ROAD

SCALE

0 50 100 150

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MATCHLINE STA. 2313+00

(UIP)
STA. 2315+72.26
METRO BUS STOP

(DND)
STA. 2316+33.33
MERCY
VARIOUS BUSINESSES

(UIP)
STA. 2317+48.41

(DND)
STA. 2317+88.13
DIERBERGS
VARIOUS BUSINESSES

JACOBS COAL ROAD

(DND)
STA. 2318+54.63
GALANIS
CATARACT & LASER EYE CENTER

2315

2320

CONST. ℄ RTE 366

(UIP)
STA. 2320+29.70
ARMY PFC RYAN C SIMMONS MEMORIAL HIGHWAY

(DND)
STA. 2320+63.43
DIERBERGS
VARIOUS BUSINESSES

(R&R ON EXIST. POST)
M3-4P, 24" X 12"
M1-5, 30" X 24"
STA. 2321+76.70
51.07' LT
WEST
366
161

MATCHLINE STA. 2324+00

(R)
STA. 2319+98.84
ON LIGHT POLE
METRO BUS STOP

JCT
P
(UIP)
STA. 2323+00.86

NOTE: SIGN LOCATIONS MAY BE MODIFIED IN THE FIELD TO PROVIDE MIN. HORIZONTAL CLEARANCES, AVOID EXISTING SIGNS AND UNDERGROUND FACILITIES.

LEGEND

(R&R)	REMOVE EXISTING SIGN AND POST, INSTALL NEW SIGN AND NEW POST AT DESIGNATED LOCATION
(R & RELOC.)	REMOVE POST AND REUSE EXISTING SIGN ON NEW POST AT DESIGNATED LOCATION
(R)	REMOVE
(UIP)	USE IN PLACE
(DND)	DO NOT DISTURB
(RBO)	REMOVED BY OWNER

SHEET 30 OF 41

SIGNING SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	472

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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REV.

SCALE
0 50 100 150

W11-1, 30" X 30"
W16-1P, 18" X 12"
STA. 2325+29.38
53.69' LT

IN ROAD

(R)
STA. 2325+29.38

SHARE THE ROAD

(UIP)
STA. 2324+17.83

METRO BUS STOP

(UIP)
STA. 2326+70.09
STA. 2327+57.72

(UIP)
STA. 2326+62.38

YIELD

(DND)
STA. 2326+41.26

MCDONALDS

(UIP)
STA. 2327+10.05

MACKENZIE POINT

(UIP)
STA. 2329+59.44

BEGIN
RIGHT TURN LANE
YIELD TO BIKES

(UIP)
STA. 2329+16.03

P

366

(DND)
STA. 2327+68.25

DIERBERGS
VARIOUS BUSINESSES

(R&RELOC.)
R1-1, 30" X 30"
STA. 2330+70.06
54.26' LT

STOP

(DND)
STA. 23330+02.96

TACO BELL

(R&RELOC.)
R4-7
24" X 30"
STA. 2331+00.15
46.04' LT

(DND)
STA. 2331+33.39

REGIONS

(DND)
STA. 2332+23.57
STA. 2332+42.17
STA. 2332+59.18
STA. 2332+78.86

REGIONS BANK PARKING

(R&RELOC.)
24" X 30"
STA. 2332+68.45
39.74' LT

HISTORIC
US 66
BYWAY

(DND)
STA. 2333+23.60

WELCOME TO
SHREWSBURY
INCORPORATED
1913

(DND)
STA. 2333+84.64

WATERWAY CAR WASH

(UIP)
STA. 2334+42.92

CITY LIMIT
SHREWSBURY
POP. XXX

(R)
SPEED LIMIT
40

Shrewsbury
CITY LIMIT

R2-1, 36" X 48" (R&RELOC.)
I4-1, 66" X 24"
STA. 2334+87.14
45.49' LT

(DND)
STA. 2335+36.89

DIERBERGS

MATCHLINE STA. 2324+00

CONST. ℄ RTE 366

END PROJECT
STA. 2335+61.34

BEGIN
RIGHT TURN LANE
YIELD TO BIKES

(UIP)
STA. 2324+56.56

366

P

(UIP)
STA. 2325+43.69

ROUTE P

WATSON RD
VILLANOVA PLAZA

BEGIN ST. LOUIS COUNTY MAINTENANCE

END ST. LOUIS COUNTY MAINTENANCE

(UIP)
STA. 2329+16.33

JIFFYLUBE

(DND)
STA. 2329+77.33

METRO BUS STOP

(RELOC. - SEE NOTE 1)
16" X 20"
STA. 2330+18.32
64.22' RT
ON LIGHT POLE

EAST
M3-2P
24" X 12"

366
M1-5
30" X 24"

(R&R - SEE NOTE 1)
STA. 2330+18.32
64.22' RT
ON LIGHT POLE

HISTORIC
US 66
BYWAY

(R&RELOC.)
24" X 30"
STA. 2332+53.94
56.57' RT

WARNING

(DND)
STA. 2334+20.88

(DND)
STA. 2334+79.84
STA. 2334+96.01

STOP ON RED LIGHT AT STOP LINE

(R)
STA. 2335+56.26

CARX
TIRE & AUTO

(DND)
STA. 2335+56.00

CITY LIMIT
ST. LOUIS
POP. XXX

(UIP)
STA. 2336+27.20

YIELD

(UIP)
STA. 2326+10.67

(UIP)
STA. 2326+39.35
STA. 2326+97.24
STA. 2327+64.09

(UIP)
STA. 2326+48.16

NO OUTLET

(UIP)
STA. 2336+50.22

NOTE: SIGN LOCATIONS MAY BE MODIFIED IN THE FIELD TO PROVIDE MIN. HORIZONTAL CLEARANCES, AVOID EXISTING SIGNS AND UNDERGROUND FACILITIES.

LEGEND

(R&R)	REMOVE EXISTING SIGN AND POST. INSTALL NEW SIGN AND NEW POST AT DESIGNATED LOCATION
(R & RELOC.)	REMOVE POST AND REUSE EXISTING SIGN ON NEW POST AT DESIGNATED LOCATION
(R)	REMOVE
(UIP)	USE IN PLACE
(DND)	DO NOT DISTURB
(RBO)	REMOVED BY OWNER

NOTE 1: SIGN IS MOUNTED ON A LIGHT POLE THAT IS BEING RELOCATED BY OTHERS, SIGN TO BE REMOVED AND REPLACED ON NEW LIGHT POLE

SHEET 31 OF 41

SIGNING SHEET

ROUTE 366
WATSON ROAD

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	473

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION | DATE | REV.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

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SCALE

0 50 100 150

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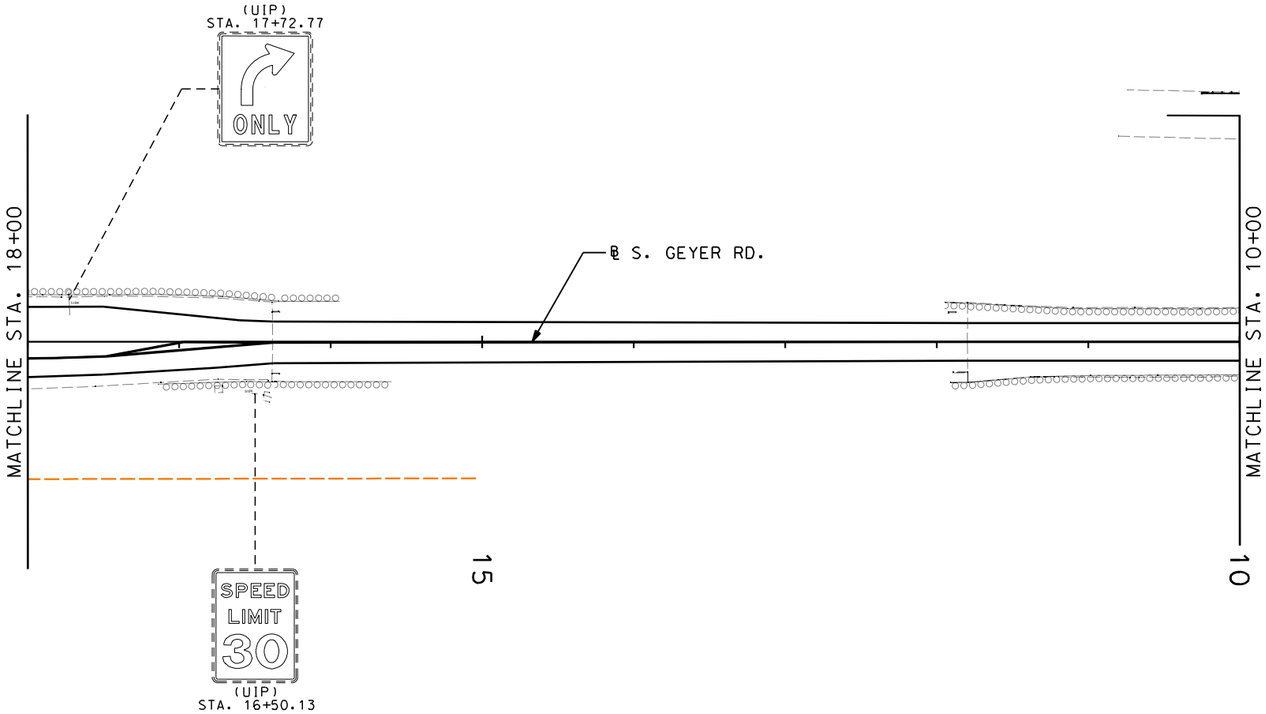

STATE OF MISSOURI
JASON LAWRENCE C. JARQUIO NUMBER PE-2021011939
PROFESSIONAL ENGINEER
07/26/2024 3:22:41 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	474

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr., Ste 300
Chesterfield, Missouri 63017
636.240.2444
www.gbateam.com
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

JASON L. JARQUIO
PROFESSIONAL ENGINEER
PE-2021011939

REV.

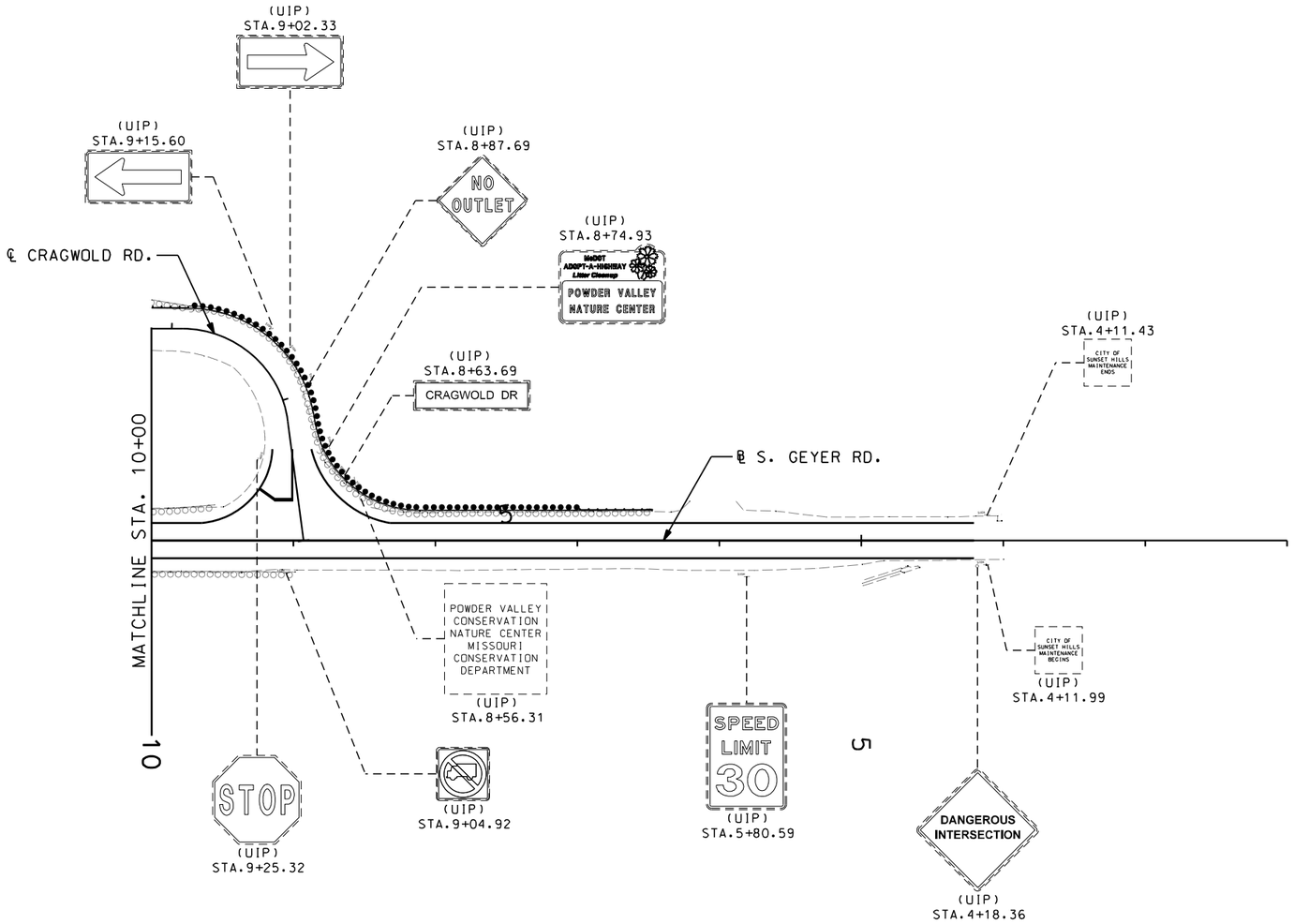
SHEET 32 OF 41

SIGNING SHEET

GEYER ROAD

SCALE

0 50 100 150



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STATE OF MISSOURI
JASON LAWRENCE C. JARQUIO
NUMBER PE-2021011939
PROFESSIONAL ENGINEER

07/26/2024 3:22:41 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	475

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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JEFFERSON CITY, MO 65102
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Chesterfield, Missouri 63017
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GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

JASON L. JARQUIO
PROFESSIONAL ENGINEER
PE-2021011939

SHEET 33 OF 41

SIGNING SHEET

GEYER ROAD

REV.

EFFECTIVE 07-01-2022

SIGNS (902 SIGNAL SIGNS TABULATED ON D-37A SHEET)						CONCRETE FOOTINGS EMBEDDED	STRUCTURAL STEEL POSTS *						PIPE POSTS *					BACKING BARS **				U-CHANNEL POST	PERFORATED SQUARE STEEL TUBE										BREAK-AWAY ASSEMBLY	REMARKS AND OTHER REQUIRED ITEMS
																							2 IN. POST						2.5 IN. POST							
																										ANCHORS					ANCHORS				
SIGN NO.	SIGN SIZE	STATION	HORZ CLEAR IF NOT STD	LOCATION	SIGN DTL. SHT. NO.	ITEM NO. 9031010	POST DES NO.	POST NO.1	POST NO.2	POST NO.3	LBS PER FT	TOTAL ITEM NO. 9031210	PIPE SIZE	POST NO.1	POST NO.2	LBS PER FT	TOTAL ITEM NO. 9031220	NO. EACH	LGTH	TOTAL	TOTAL	ITEM NO. 9031250A	POST NO.1	POST NO.2	TOTAL ITEM NO. 9031270A	DRIVEN 12-GA. ITEM NO. 9031271A	DRIVEN 7-GA. ITEM NO. 9031273A	CONCRETE 7-GA. ITEM NO. 9031274	POST NO.1	POST NO.2	TOTAL ITEM NO. 9031280	2.25" INSERT (6 FT) ITEM NO. 9031272A	DRIVEN 7-GA. ITEM NO. 9031281A	CONCRETE 7-GA. ITEM NO. 9031285	ITEM NO. 9031241	
						CY		LF	LF	LF		LBS	IN.	LF	LF		LBS	EACH	IN.	LF	LBS	LF	LF	LF	LF	EA	EA	EA	LF	LF	LF	EA	EA	EA	EA	
1	ASSEMBLY	2015+61.45		RTE 366																									15.00		15.00			1	1	
3	ASSEMBLY	2016+30.93		RTE 366																									12.50		12.50			1	1	
4	36" X 36"	2016+41.05		RTE 366																			10.00		10.00				1							
5	36" X 36"	2014+95.76		RTE 366																			10.00		10.00				1							
6	ASSEMBLY	2015+86.68		RTE 366																									15.00		15.00			1	1	
7	36" X 36"	2028+98.42		RTE 366																			10.00		10.00				1							
8	24" X 24"	2029+20.68		RTE 366																			9.00		9.00				1							
9	36" X 36"	2032+95.00		RTE 366																			10.00		10.00				1						1	
11	24" X 30"	2029+10.41		RTE 366																			10.00		10.00				1							
12	36" X 30"	2029+73.84		RTE 366																			10.00		10.00	1										
13	ASSEMBLY	2031+25.21		RTE 366																									12.50		12.50		1			
14	24" X 30"	2033+52.99		RTE 366																			10.00		10.00				1							
15	ASSEMBLY	2040+67.22		RTE 366																			8.00		8.00	1										
16	ASSEMBLY	2040+77.73		RTE 366																			11.00		11.00	1										
17	ASSEMBLY	2040+81.14		RTE 366																			11.50	11.50	23.00	2									2	
19	36" X 36"	2033+74.15		RTE 366																			10.00		10.00				1							
20	ASSEMBLY	2035+75.38		RTE 366																			12.50		12.50				1							
21	ASSEMBLY	2037+57.75		RTE 366																									13.50	13.50	27.00		2		2	
1A	ASSEMBLY	602+03.64		RTE 366																			11.00		11.00	1										
1B	ASSEMBLY	602+03.64		RTE 366																			11.00		11.00				1							
24	36" X 36"	706+33.67		RTE 366																			10.00		10.00	1										
25	ASSEMBLY	705+61.37		RTE 366																			10.00		10.00	1										
1C	ASSEMBLY	702+77.00		RTE 366																			11.00		11.00				1							
1D	ASSEMBLY	702+77.00		RTE 366																			11.00		11.00	1										
27	36" X 36"	2046+24.22		RTE 366																			10.00		10.00				1							
29	36" X 36"	2049+42.08		RTE 366																			10.00		10.00	1										
33	16" X 20"	2061+74.03		RTE 366																			9.00		9.00	1										
35	16" X 20"	2063+77.45		RTE 366																			9.00		9.00	1										
36	16" X 20"	2069+96.47		RTE 366																			9.00		9.00	1										
37	16" X 20"	2070+25.58		RTE 366																			9.00		9.00	1										
38	16" X 20"	2079+43.73		RTE 366																			9.00		9.00	1										
39	16" X 20"	2092+38.18		RTE 366																			9.00		9.00	1										
40	36" X 36"	2095+27.68		RTE 366																			10.00		10.00				1							
41	ASSEMBLY	2098+17.07		RTE 366																			10.00		10.00				1							
42	ASSEMBLY	2098+84.09		RTE 366																			10.00		10.00				1							
43	ASSEMBLY	2098+82.20		RTE 366																			10.00		10.00				1							
44	16" X 20"	2102+03.74		RTE 366																			9.00		9.00	1										
45	16" X 20"	2106+59.23		RTE 366																			9.00		9.00	1										
47	36" X 36"	2110+60.54		RTE 366																			10.00		10.00				1							
49	16" X 20"	2113+33.76		RTE 366																			9.00		9.00	1										
50	36" X 36"	2120+18.32		RTE 366																			10.00		10.00				1							
SUBTOTAL 1						-						-					-				**	-			369.0	19	-	18			82	-	3	3	8	

* BREAKAWAY ASSEMBLY IS INCIDENTAL FOR STRUCTURAL STEEL AND PIPE POSTS.
** BACKING BARS ARE TOTALED WITH STRUCTURAL STEEL OR PIPE POSTS.

ROUND PIPE POST AND FOOTING DATA TABLE

NOM.SIZE	WEIGHT		STUB LENGTH	FOOTING		CONCRETE
(IN.)	LBS/FT	LBS/IN		DIA.	DEPTH	C.Y.
2½	5.79	0.48	4'-3½"	12"	4'-6"	0.13
3	7.58	0.63	4'-3½"	12"	4'-6"	0.13
4	10.79	0.90	5'-3½"	18"	5'-6"	0.36

STRUCTURAL STEEL POST AND FOOTING DATA TABLE

POST DES. NO.	NOM. SIZE	POST WEIGHT LBS/FT	POST WEIGHT LBS/IN	STUB LENGTH	FOOTING DIA.	LEVEL GROUND DEPTH	LEVEL GROUND C.Y.	6:1 GRADE DEPTH	6:1 GRADE C.Y.	4:1 GRADE DEPTH	4:1 GRADE C.Y.	3:1 OR 2:1 GRADE DEPTH	3:1 OR 2:1 GRADE C.Y.
1	W6	9.0	0.75	3'-0"	15"	3'-0"	0.14	3'-2"	0.15	3'-3"	0.16	3'-6"	0.17
2	W6	15.0	1.25	4'-0"	24"	4'-0"	0.47	4'-2"	0.50	4'-3"	0.51	4'-6"	0.54
3	W8	18.0	1.50	4'-6"	28"	4'-6"	0.71	4'-8"	0.73	4'-9"	0.74	5'-0"	0.78
4	W10	22.0	1.83	5'-0"	36"	5'-0"	1.31	5'-2"	1.36	5'-3"	1.39	5'-6"	1.45
5	W10	26.0	2.17	5'-0"	36"	5'-0"	1.31	5'-3"	1.37	5'-5"	1.43	5'-9"	1.52
6	W12	35.0	2.92	5'-6"	36"	5'-6"	1.44	5'-9"	1.52	5'-11"	1.56	6'-3"	1.65

JASON LAWRENCE C. JARQUIO NUMBER PE-2021111939 PROFESSIONAL ENGINEER
STATE OF MISSOURI
07/26/2024 3:22:41 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED: 7/26/2024
MO ROUTE: 366 | STATE: MO
DISTRICT: SL | SHEET NO.: 476
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE | REV.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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16305 Swingley Ridge Dr., Ste 300
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PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

JASON L. JARQUIO
PROFESSIONAL ENGINEER
PE-2021011939

SIGNING SHEET

ROUTE 366
WATSON ROAD

D-29

D-29 SHEET (2 OF 3)

SIGNS 902 SIGNAL SIGNS TABULATE ON D-37A SHEET							CONCRETE FOOTINGS EMBEDDED	CONCRETE FOOTINGS BOLT DOWN	STRUCTURAL STEEL POSTS *						PIPE POSTS *							PERFORATED SQUARE STEEL TUBE POST											REMARKS AND OTHER REQUIRED ITEMS.
																				2 IN. POST							2.5 IN. POST							
																							ANCHORS					ANCHORS				
SIGN NO.	SIGN SIZE	STATION	LOCATION	HORZ CLEAR IF NOT STD	ROADWAY	SIGN DTL. SHT. NO.	ITEM NO. 9031010	ITEM NO. 9031020	POST DES NO.	POST NO. 1	POST NO. 2	POST NO. 3	LBS PER FT	TOTAL ITEM NO. 9031210	PIPE SIZE	POST NO. 1	POST NO. 2	LBS PER FT	TOTAL ITEM NO. 9031220	BREAK-AWAY ASSEMBLY	POST NO. 1	POST NO. 2	TOTAL ITEM NO. 9031270A	DRIVEN 12-GA. ITEM NO. 9031271A	CONCRETE 7-GA. ITEM NO. 9031274	CONCRETE FOOTING EMBEDDED ***	POST NO. 1	POST NO. 2	TOTAL ITEM NO. 9031280	DRIVEN 7-GA. ITEM NO. 9031281A	CONCRETE 7-GA. ITEM NO. 9031285	CONCRETE FOOTING EMBEDDED ***	BREAK-AWAY ASSEMBLY ITEM NO. 9031241	
							CY	CY		LF	LF	LF		LBS	IN.	LF	LF		LBS	EA.	LF	LF	LF	EA	EA	CY	LF	LF	LF	EA	EA	CY	EA	
51	ASSEMBLY	2129+45.06	47.17' RT		RTE 366																12.50		12.50	1									
52	36" x 48"	2130+63.41	44.41' RT		RTE 366																						13.75		13.75	1				
56	30" x 30"	2131+69.30	45.55' RT		RTE 366																12.50		12.50	1									
58	36" x 30"	2134+97.34	51.06' RT		RTE 366																12.00		12.00	1									
60	ASSEMBLY	2144+38.14	4.72' LT		RTE 366																8.50		8.50		1	0.3							
61	ASSEMBLY	2144+62.73	4.72' LT		RTE 366																8.00		8.00		1	0.3							
62	ASSEMBLY	2146+98.73	5.16' RT		RTE 366																8.00		8.00		1	0.3							
63	16" X 20"	2146+65.40	44.00' LT		RTE 366																11.00		11.00	1									
64	ASSEMBLY	2144+99.43	45.30' RT		RTE 366	481		0.30	1	17.00	17.75		9	312.75																			
67	ASSEMBLY	2147+87.03	4.72' RT		RTE 366																11.00		11.00		1	0.3							
68	ASSEMBLY	2148+86.28	0.19' LT		RTE 366	481	0.28		1	17.00	17.00		9	306																			
69	ASSEMBLY	2152+61.81	49.82' LT		RTE 366	481			1	17.00	17.00		9	306																			
70	36" X 36" X 36"	2153+00.83	62.41' LT		RTE 366																12.50		12.50	1									
71	ASSEMBLY	2153+54.00	5.00' LT		RTE 366																8.00		8.00		1	0.3							
73	36" X 36"	2154+53.45	37.68' LT		RTE 366																14.25		14.25		1	0.3							
74	36" X 36" X 36"	2154+60.18	70.47' LT		RTE 366																12.75		12.75	1									
75	24" X 24"	2155+48.59	43.06' LT		RTE 366																11.50		11.50	1									
76	ASSEMBLY	2155+87.23	43.43' LT		RTE 366																13.25		13.25	1									
77	ASSEMBLY	2156+34.94	44.86' LT		RTE 366																						14.50		14.50	1				
78	36" x 48"	2157+42.87	44.21' LT		RTE 366																						13.25		13.25	1				
79	16" X 20"	2157+80.87	43.00' LT		RTE 366																11.25		11.25	1									
80	36" X 36"	2154+15.84	37.00' RT		RTE 366																9.75		9.75		1	0.3							
81	24" X 30"	2154+27.88	49.77' RT		RTE 366																10.00		10.00		1	0.3							
82	36" X 36"	2154+46.05	43.60' RT		RTE 366																11.75		11.75		1	0.3							
84	36" x 36"	2159+08.38	44.87' LT		RTE 366																11.25		11.25		1	0.3							
86	36" x 36"	2159+71.17	35.67' LT		RTE 366																11.75		11.75		1	0.3							
88	36" x 36"	2159+16.73	37.44' RT		RTE 366																11.25		11.25		1	0.3							
89	36" X 36" X 36"	2159+19.04	75.04' RT		RTE 366																12.00		12.00	1									
91	36" X 36" X 36"	2160+26.12	46.85' RT		RTE 366																12.50		12.50	1									
92	16" X 20"	2161+07.80	47.18' RT		RTE 366																11.25		11.25	1									
93	ASSEMBLY	2161+24.79	45.26' RT		RTE 366																						15.00		15.00	1				
94	24" X 30"	2158+90.38	4.90' LT		RTE 366																9.50		9.50		1	0.3							
95	24" X 30"	2159+99.86	5.41' RT		RTE 366																9.50		9.50		1	0.3							
96	16" X 20"	2173+90.56	41.48' LT		RTE 366																9.00		9.00		1	0.3							
97	16" X 20"	2173+92.05	44.42' RT		RTE 366																11.50		11.50	1									
98	36" X 48"	2178+86.94	37.65' RT		RTE 366																						13.75		13.75	1				
99	ASSEMBLY	2180+32.41	42.84' LT		RTE 366																						15.50		15.50	1				
100	24" X 36"	2186+55.63	75.58' LT		RTE 366																12.75		12.75	1									
102	36" X 36" X 36"	2186+14.13	67.09' RT		RTE 366																12.75		12.75	1									
103	ASSEMBLY	2187+41.04	40.22' RT		RTE 366																12.50		12.50	1									
104	16" X 20"	2187+54.47	38.21' RT		RTE 366																11.25		11.25	1									
105	24" X 30"	2189+05.00	36.54' RT		RTE 366																12.00		12.00	1									
106	ASSEMBLY	2198+42.62	45.01' RT		RTE 366																						14.75	10.25	25.00	2			2	
107	30" x 30"	2199+05.18	45.47' RT		RTE 366																12.00		12.00	1									
108	16" X 20"	2199+66.60	41.27' RT		RTE 366																11.25		11.25	1									
109	24" X 30"	2205+23.00	41.66' LT		RTE 366																8.25		8.25		1	0.3							
110	16" X 20"	2208+52.58	42.14' LT		RTE 366																8.75		8.75		1	0.3							
111	16" X 20"	2208+08.10	41.27' RT		RTE 366																11.25		11.25	1									
112	36" x 48"	2214+03.15	43.80' RT		RTE 366																						13.50		13.50	1				
113	ASSEMBLY	2220+44.20	46.33' LT		RTE 366																						12.75		12.75	1				
114	ASSEMBLY	2220+80.24	60.13' LT		RTE 366																12.75		12.75	1									
115	ASSEMBLY	2221+25.21	61.28' LT		RTE 366																						15.25		15.25	1				
116	16" X 20"	2221+65.97	35.82' LT		RTE 366																8.75		8.75		1	0.3							
117	16" X 20"	2219+21.29	42.30' RT		RTE 366																11.25		11.25	1									
118	SPECIAL	2225+68.34	37.50' RT		RTE 366		0.72								4.0	15.25	16.50	10.79	343	2													
120	16" X 20"	2228+55.86	35.17' LT		RTE 366																10.75		10.75	1									
121	16" X 20"	2231+12.45	38.32' RT		RTE 366																11.00		11.00	1									
122	ASSEMBLY	2234+12.87	36.11' LT		RTE 366																12.50		12.50	1									
123	24" X 30"	2239+05.91	52.53' LT		RTE 366																11.25		11.25	1									
125	36" X 36" X 36"	2244+23.88	78.75' LT		RTE 366																12.00		12.00	1									
126	36" X 30"	2245+77.18	51.74' LT		RTE 366																11.50		11.50	1									
128	ASSEMBLY	2245+24.29	42.38' RT		RTE 366																13.25		13.25	1									
129	ASSEMBLY	2249+94.04	38.35' LT		RTE 366																13.25		13.25	1									
130	30" x 30"	2255+60.14	44.94' LT		RTE 366																12.75		12.75	1									
131	ASSEMBLY	2256+16.85	39.65' LT		RTE 366																12.50		12.50	1									
132	24" X 30"	2247+86.44	39.09' RT		RTE 366																11.75		11.75	1									
133	16" X 20"	2248+17.21	29.36' RT		RTE 366																11.25		11.25	1									
135	36" x 48"	2251+50.29	37.27' RT		RTE 366																						13.50		13.50	1				
136	ASSEMBLY	2262+06.52	40.05' LT		RTE 366																						14.25		14.25	1				
					SUBTOTAL		1.0	0.3						925					343	*			597	35	18	6.1			180	13	-	-	2		

* BREAKAWAY ASSEMBLY IS INCIDENTAL FOR STRUCTURAL STEEL AND PIPE POSTS.
** BACKING BARS ARE TOTALED WITH STRUCTURAL STEEL OR PIPE POSTS.
*** CONCRETE FOOTING IS INCIDENTAL FOR PERFORATED SQUARE STEEL TUBE POSTS.

ROUND PIPE POST AND FOOTING DATA TABLE

NOM. SIZE	WEIGHT		STUB LENGTH	FOOTING		CONCRETE
(IN.)	LBS/FT	LBS/IN		DIA.	DEPTH	C.Y.
2½	5.79	0.48	4'-3½"	12"	4'-6"	0.13
3	7.58	0.63	4'-3½"	12"	4'-6"	0.13
4	10.79	0.90	5'-3½"	18"	5'-6"	0.36

POST AND FOOTING DATA TABLE

POST DES. NO.	NOM. SIZE	POST WEIGHT LBS/FT	POST WEIGHT LBS/IN	STUB LENGTH	FOOTING DIA.	LEVEL GROUND DEPTH	LEVEL GROUND C.Y.	6:1 GRADE DEPTH	6:1 GRADE C.Y.	4:1 GRADE DEPTH	4:1 GRADE C.Y.	3:1 OR 2:1 GRADE DEPTH	3:1 OR 2:1 GRADE C.Y.
1	W6	9.0	0.75	3'-0"	15"	3'-0"	0.14	3'-2"	0.15	3'-3"	0.16	3'-6"	0.17
2	W6	15.0	1.25	4'-0"	24"	4'-0"	0.47	4'-2"	0.50	4'-3"	0.51	4'-6"	0.54
3	W8	18.0	1.50	4'-6"	28"	4'-6"	0.71	4'-8"	0.73	4'-9"	0.74	5'-0"	0.78
4	W10	22.0	1.83	5'-0"	36"	5'-0"	1.31	5'-2"	1.36	5'-3"	1.39	5'-6"	1.45
5	W10	26.0	2.17	5'-0"	36"	5'-0"	1.31	5'-3"	1.37	5'-6"	1.43	5'-9"	1.52
6	W12	35.0	2.92	5'-6"	36"	5'-6"	1.44	5'-9"	1.52	5'-11"	1.56	6'-3"	1.65

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED 7/25/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 477
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION | DATE | REV.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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ENGINEERING CORPORATION - 000631

SHEET 35 OF 41
SIGNING SHEET
ROUTE 366
WATSON ROAD
D-29

D-29 SHEET (3 OF 3)

SIGNS 902 SIGNAL SIGNS TABULATE ON D-37A SHEET							CONCRETE FOOTINGS EMBEDDED	CONCRETE FOOTINGS BOLT DOWN	STRUCTURAL STEEL POSTS *						PIPE POSTS *							PERFORATED SQUARE STEEL TUBE POST											REMARKS AND OTHER REQUIRED ITEMS.
																					2 IN. POST						2.5 IN. POST						
																								ANCHORS					ANCHORS			
SIGN NO.	SIGN SIZE	STATION	LOCATION	HORZ CLEAR IF NOT STD	ROADWAY	SIGN DTL. SHT. NO.	ITEM NO. 9031010	ITEM NO. 9031020	POST DES NO.	POST NO. 1	POST NO. 2	POST NO. 3	LBS PER FT	TOTAL ITEM NO. 9031210	PIPE SIZE	POST NO. 1	POST NO. 2	LBS PER FT	TOTAL ITEM NO. 9031220	BREAK-AWAY ASSEMBLY	POST NO. 1	POST NO. 2	TOTAL ITEM NO. 9031270A	DRIVEN 12-GA. ITEM NO. 9031271A	CONCRETE 7-GA. ITEM NO. 9031274	CONCRETE FOOTING EMBEDDED ***	POST NO. 1	POST NO. 2	TOTAL ITEM NO. 9031280	DRIVEN 7-GA. ITEM NO. 9031281A	CONCRETE 7-GA. ITEM NO. 9031285	CONCRETE FOOTING EMBEDDED ***	BREAK-AWAY ASSEMBLY ITEM NO. 9031241	
							CY	CY		LF	LF	LF		LBS	IN.	LF	LF		LBS	EA.	LF	LF	LF	EA	EA	CY	LF	LF	LF	EA	EA	CY	EA	
137	16" X 20"	2262+66,27	28,98' RT		RTE 366																11,50		11,50	1								
140	30" x 30"	2264+06.32	53.69' LT		RTE 366																12.50		12.50	1								
141	SPECIAL	2264+37.25	73.69' LT		RTE 366																9.25		9.25	1								
144	ASSEMBLY	2265+89,91	34.59' LT		RTE 366																						14.00	10,00	24.00	2			2	
147	16" X 20"	2263+92.41	34.50' RT		RTE 366																10.75		10.75	1								
148	ASSEMBLY	2267+81.98	41.40' RT		RTE 366																						15.50	11,25	26.75	2			2	
149	36" X 36"	2277+23,31	37,11' RT		RTE 366																13,75		13,75	1								
154	16" X 20"	2283+97.26	32.86' LT		RTE 366																12.75		12.75	1								
156	16" X 20"	2284+31.82	28.56' RT		RTE 366																11.25		11.25	1								
159	30" X 36"	2295+53,79	35,52' RT		RTE 366																11,00		11,00	1								
160	30" x 30"	2302+41.13	61.88' LT		RTE 366																11.25		11.25	1								
162	ASSEMBLY	2325+29,38	53,69' LT		RTE 366																						13.25		13.25	1				
163	30" x 30"	2330+70.06	54.26' LT		RTE 366																11,00		11.00	1								
164	24" X 30"	2331+00,15	46,04' LT		RTE 366																10,50		10,50		1	0,3							
165	24" X 30"	2332+68,45	39,74' LT		RTE 366																9,75		9,75		1	0,3							
166	ASSEMBLY	2334+87.14	45.49' LT		RTE 366																						15.00	10.50	25.50	2			2	
169	24" X 30"	2332+53,94	56,57' RT		RTE 366																11.50		11.50	1								
					SUBTOTAL 1		-	-						-					-	*			369	19	18	5,4			82	3	3	0,9	8	
					SUBTOTAL 2		1.0	0.3						925					343	*			597	35	18	6.1			180	13	-	-	2	
					SUBTOTAL 3		-	-						-					-	*			147	11	2	0.7			90	7	-	-	6	
					TOTAL		1.0	0.3						930					350	*			1,113	65	38	***			352	23	3	***	16	

* BREAKAWAY ASSEMBLY IS INCIDENTAL FOR STRUCTURAL STEEL AND PIPE POSTS.
** BACKING BARS ARE TOTALED WITH STRUCTURAL STEEL OR PIPE POSTS.
*** CONCRETE FOOTING IS INCIDENTAL FOR PERFORATED SQUARE STEEL TUBE POSTS.

ROUND PIPE POST AND FOOTING DATA TABLE

NOM. SIZE (IN.)	WEIGHT LBS/FT	WEIGHT LBS/IN	STUB LENGTH	FOOTING DIA.	FOOTING DEPTH	CONCRETE C.Y.
2½	5.79	0.48	4'-3½"	12"	4'-6"	0.13
3	7.58	0.63	4'-3½"	12"	4'-6"	0.13
4	10.79	0.90	5'-3½"	18"	5'-6"	0.36

POST AND FOOTING DATA TABLE

POST DES. NO.	POST NOM. SIZE	POST WEIGHT LBS/FT	POST WEIGHT LBS/IN	POST STUB LENGTH	FOOTING DIA.	LEVEL GROUND DEPTH	LEVEL GROUND C.Y.	6:1 GRADE DEPTH	6:1 GRADE C.Y.	4:1 GRADE DEPTH	4:1 GRADE C.Y.	3:1 OR 2:1 GRADE DEPTH	3:1 OR 2:1 GRADE C.Y.
1	W6	9.0	0.75	3'-0"	15"	3'-0"	0.14	3'-2"	0.15	3'-3"	0.16	3'-6"	0.17
2	W6	15.0	1.25	4'-0"	24"	4'-0"	0.47	4'-2"	0.50	4'-3"	0.51	4'-6"	0.54
3	W8	18.0	1.50	4'-6"	28"	4'-6"	0.71	4'-8"	0.73	4'-9"	0.74	5'-0"	0.78
4	W10	22.0	1.83	5'-0"	36"	5'-0"	1.31	5'-2"	1.36	5'-3"	1.39	5'-6"	1.45
5	W10	26.0	2.17	5'-0"	36"	5'-0"	1.31	5'-3"	1.37	5'-5"	1.43	5'-9"	1.52
6	W12	35.0	2.92	5'-6"	36"	5'-6"	1.44	5'-9"	1.52	5'-11"	1.56	6'-3"	1.65

CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
STATE OF MISSOURI
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED 7/25/2024
MO ROUTE 366 | STATE MO
DISTRICT SL | SHEET NO. 478
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

SHEET 36 OF 41
SIGNING SHEET
ROUTE 366
WATSON ROAD
D-29

EFFECTIVE 10-01-2016

D-30 SHEET (1 OF 2)

STANDARD SIGN ASSEMBLIES

SIGN NUMBER	STATION	LOCATION	TYPE	R1-2	W11-1	W11-2	W16-1P	W16-7P	W16-7P	M1-1	M1-4	M1-5	M3-1	M3-2	M6-1	M6-2R			
			SIGN DESCRIPTION, SIZES & NUMBER OF EACH	YIELD 48" X 48"	BICYCLE 36" X 36"	PEDESTRIAN 36" X 36"	SHARE THE ROAD 24" X 30"	45 DEGREE DIRECTIONAL ARROW (LEFT) 24" X 12"	45 DEGREE DIRECTIONAL ARROW (RIGHT) 24" X 12"	INTERSTATE SHIELD (MOD) 24" X 24"	US NUMBERED ROUTE SHIELD 24" X 24"	STATE NUMBERED ROUTE SHIELD 30" X 24"	VERTICAL DIRECTION ARROW 24" X 12"	EAST-DIRECTION ARROW 24" X 12"	TURN ARROW 21" X 15"	ARROW 45° RIGHT 21" X 15"			
2	2016+40.16	RTE 366/WATSON		1															
10	2024+22.98	RTE 366/WATSON								1									
16	2040+77.73	RTE 366/WATSON													1				
17	2040+81.14	RTE 366/WATSON													2				
18	2041+87.69	RTE 366/WATSON									1			1					
20	2035+75.38	RTE 366/WATSON			1		1												
21	2037+57.75	RTE 366/WATSON									1			1		2			
1A	602+03.64	EB RTE 366 OFF RAMP				1		1											
1B	602+03.64	EB RTE 366 OFF RAMP				1			1										
22	2041+99.71	RTE 366/WATSON									1								
23	2042+00.15	RTE 366/WATSON								1									
26	2044+25.03	RTE 366/WATSON									1			1					
1C	702+77.00	WB RTE 366 OFF RAMP				1		1											
1D	702+77.00	WB RTE 366 OFF RAMP				1			1										
28	2048+96.80	RTE 366/WATSON									1		1						
30	2044+99.57	RTE 366/WATSON									1								
1E	2045+78.78	RTE 366/WATSON													1				
31	2054+85.41	RTE 366/WATSON									1								
32	2058+08.73	RTE 366/WATSON										1		1					
34	2063+72.56	RTE 366/WATSON			1		1												
46	2106+89.54	RTE 366/WATSON										1							
48	2112+89.74	RTE 366/WATSON										1		1					
	SUBTOTAL 1			1	2	4	2	2	2	2	7	3	1	5	4	2			

SIGN SUMMARY

STANDARD SIGN OR SPECIAL SIGN NUMBER		SIGN DETAIL SHEET NO.	NO. EACH	SIZE, TYPE & SQUARE FEET: SIZE	FLAT SHEET SH ITEM NO. 9035004A	FLAT SHEET FLUORESCENT SHF * ITEM NO. 9035069A	STRUCTURAL ST ITEM NO. 9035011A	STRUCTURAL FLUORESCENT STF * ITEM NO. 9035071A
2	R1-2		1	6.93	6.93			
20, 34	W11-1		2	9.00		18.00		
1A, 1B, 1C, 1D	W11-2		4	9.00		36.00		
20, 34	W16-1P		2	5.00		10.00		
1A, 1D	W16-7P (LEFT)		2	2.00		4.00		
1B, 1C	W16-7P (RIGHT)		2	2.00		4.00		
10, 23	M1-1		2	3.20	6.40			
18, 21, 22, 26, 28, 30, 31	M1-4		7	4.00	28.00			
32, 46, 48	M1-5		3	5.00	15.00			
28	M3-1		1	2.00	2.00			
18, 21, 26, 32, 48	M3-2		5	2.00	10.00			
1E, 16, 17	M6-1		4	2.19	8.76			
21	M6-2R		2	2.19	4.38			
SUBTOTAL 1				82	72			

* ORANGE, YELLOW & YELLOW/GREEN

SHEET 37 OF 41

SIGNING SHEET

ROUTE 366
WATSON ROAD

D-30

STATE OF MISSOURI
JASON LAWRENCE C. JARQUIO NUMBER PE-2021011939
PROFESSIONAL ENGINEER
07/26/2024 3:22:42 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED 7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	479

COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE | REV.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr., Ste 300
Chesterfield, Missouri 63017
636.240.2444
www.gbateam.com
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

JASON L. JARQUIO
PROFESSIONAL ENGINEER
PE-2021011939

D-30 SHEET (2 OF 2)

STANDARD SIGN ASSEMBLIES

SIGN NUMBER	STATION	LOCATION	ROADWAY	TYPE: D3-2	D3-2	I4-1	I4-1	M1-5	M3-2P	M3-4P	M6-1L	M6-1R	M6-2PL	R2-1	R3-2	R3-4	R3-25B	R3-26A	R4-4	R4-7	R6-1R	W2-2	W11-1	W12-1	W16-1P	SPECIAL	SPECIAL
				SIGN DESCRIPTION, SIZES & NUMBER OF EACH: TO WATSON RD EAST 64" X 48"	TO WATSON RD WEST 84" X 48"	MARLBOROUGH CITY LIMIT 66" X 24"	SHREWSBURY CITY LIMIT 66" X 24"	MO ROUTE 366 SHIELD 30" X 24"	EAST 24" X 12"	WEST 24" X 12"	LEFT TURN ARROW 21" X 15"	RIGHT TURN ARROW 21" X 15"	LEFT TURN DIAGONAL ARROW 21" X 15"	SPEED LIMIT 40 36" X 48"	NO LEFT TURN 24" X 24"	NO U TURN 36" X 36"	U TURN WITH ARROW 72" X 24"	U TURN WITH ARROW 72" X 24"	BEGIN RIGHT TURN LANE YIELD TO BIKES 36" X 30"	KEEP RIGHT 24" X 30"	ONE WAY (RIGHT) 36" X 12"	SIDE ROAD 36" X 36"	BICYCLE SYMBOL 36" X 36"	DOUBLE ARROW 36" X 36"	IN ROAD 18" X 12"	U-TURN LANE 1/4 MILE FROM RIGHT LANE 84" X 24"	U-TURN FROM LEFT LANE 84" X 24"
51	2129+45.06	47.17' RT	RTE 366					1	1																		
53	2130+97.63	0.47' LT	RTE 366																		1						
54	2131+70.59	2.65' RT	RTE 366													1				1							
55	2131+70.59	2.48' RT	RTE 366													1				1							
57	2134+42.28	45.78' RT	RTE 366		1																					1	
58	2134+97.34	51.06' RT	RTE 366																1								
59	2136+56.18	38.27' RT	RTE 366																				1				
60	2144+38.14	4.72' LT	RTE 366												1						1						
61	2144+62.73	4.72' LT	RTE 366																								
62	2146+98.73	5.16' RT	RTE 366													1				1							
64	2144+99.43	45.30' RT	RTE 366		1													1									
65	2145+88.60	56.91' RT	RTE 366					1		1	1																
66	2147+36.58	51.30' RT	RTE 366		1												1										
67	2147+87.03	4.72' RT	RTE 366					1	1			1									1						
68	2148+86.28	0.19' LT	RTE 366	1													1										
69	2152+61.81	49.82' LT	RTE 366	1																						1	
72	2154+17.36	3.09' LT	RTE 366					1	1				1														
73	2154+53.45	37.68' LT	RTE 366																				1				
77	2156+34.94	44.86' LT	RTE 366																				1		1		
80	2154+15.84	37.00' RT	RTE 366																				1				
82	2154+46.05	43.60' RT	RTE 366																				1				
83	2154+59.05	3.95' LT	RTE 366																	1							
86	2159+71.17	35.67' LT	RTE 366																				1				
87	2163+03.10	0.50' RT	RTE 366																	1							
88	2159+16.73	37.44' RT	RTE 366																				1				
90	2159+85.56	47.04' RT	RTE 366																				1				
93	2161+24.79	45.26' RT	RTE 366																			1		1			
94	2158+90.38	4.90' LT	RTE 366																	1							
95	2159+99.86	5.41' RT	RTE 366																	1							
99	2180+32.41	42.84' LT	RTE 366					1		1																	
101	2186+21.38	30.42' RT	RTE 366																					1			
103	2187+41.04	40.22' RT	RTE 366					1	1																		
106	2198+42.62	45.01' RT	RTE 366			1																					
113	2220+44.20	46.33' LT	RTE 366																								
122	2234+12.87	36.11' LT	RTE 366					1		1																	
124	2237+76.18	37.76' RT	RTE 366																1								
127	2244+10.82	33.81' LT	RTE 366																					1			
128	2245+24.29	42.38' RT	RTE 366					1	1																		
136	2262+06.52	40.05' LT	RTE 366																								
144	2265+89.91	34.59' LT	RTE 366			1																					
148	2267+81.98	41.40' RT	RTE 366				1							1													
158	2289+41.29	39.80' LT	RTE 366																			1					
159	2295+53.79	35.52' RT	RTE 366											1													
161	2321+76.70	51.07' LT	RTE 366					1		1																	
162	2325+29.38	53.69' LT	RTE 366																			1		1			
166	2334+87.14	45.49' LT	RTE 366				1																				
167	2330+18.32	64.22' RT	RTE 366					1	1																		
			SUBTOTAL 2	**2**	**3**	**2**	**2**	**10**	**6**	**4**	**1**	**1**	**1**	**2**	**1**	**3**	**2**	**1**	**2**	**7**	**3**	**1**	**5**	**9**	**5**	**1**	**1**

SIGN SUMMARY

STANDARD SIGN OR SPECIAL SIGN NUMBER		SIGN DETAIL SHEET NO.	NO. EACH	SIZE, TYPE & SQUARE FEET: SIZE	FLAT SHEET SH	FLAT SHEET FLUORESCENT SHF *	STRUCTURAL ST
				SQFT	ITEM NO. 9065004A	ITEM NO. 9035069A	ITEM NO. 9035011A
68, 69	D3-2	482	2	28.0			56
57, 64, 66	D3-2	481	3	28.0			84
106, 144	I4-1	482	2	11.0	22.0		
148, 166	I4-1	482	2	11.0	22.0		
51, 65, 67, 72, 99, 103, 122, 128, 161, 167	M1-5		10	5.0	50.0		
51, 67, 72, 103, 128, 167	M3-2P		6	2.0	12.0		
65, 99, 122, 161	M3-4P		4	2.0	8.0		
65	M6-1L		1	2.2	2.2		
67	M6-1R		1	2.2	2.2		
72	M6-2PL		1	2.2	2.2		
148, 159	R2-1		2	12.0	24.0		
60	R3-2		1	4.0	4.0		
54, 55, 62	R3-4		3	9.0	27.0		
66, 68	R3-25B	485, 486	2	12.0			24
64	R3-26A	481	1	12.0			12
58, 124	R4-4		2	7.5	15.0		
54, 55, 62, 83, 87, 94, 95	R4-7		7	5.0	35.0		
53, 60, 67	R6-1R		3	3.0	9.0		
158	W2-2		1	9.0		9.0	
77, 93, 113, 136, 162	W11-1		5	9.0		45.0	
59, 73, 80, 82, 86, 88, 90, 101, 127	W12-1		9	9.0		81.0	
77, 93, 113, 136, 162	W16-1P		5	1.5		7.5	
57	SPECIAL	481	1	14.0			14
69	SPECIAL	482	1	14.0			14
			SUBTOTAL 1	**82**	**72**	**-**	
			SUBTOTAL 2	**235**	**143**	**204**	
			TOTAL	**317**	**215**	**204**	

* ORANGE, YELLOW & YELLOW/GREEN

NOTE: BRACKETS AND HARDWARE NEEDED TO MOUNT SIGNS ON LIGHT POLES WILL NOT BE PAID FOR SEPARATELY AND ARE INCLUDED IN THE SIGN PAY ITEM.

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED: 7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	480

COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

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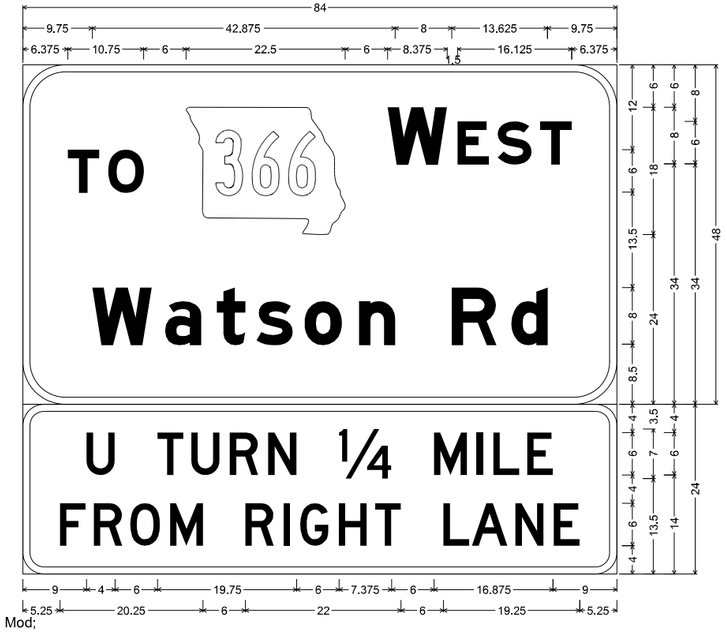
REV.

SHEET 38 OF 41
SIGNING SHEET
ROUTE 366
WATSON ROAD
D-30

SIGN NO.	57
STATION	2134+42.28
ROADWAY	RTE 366



D3-2 ST-STRUCTURAL;
6.000" Radius, 1.000" Border, White on, Green;
"TO", E Mod; "WEST", E Mod; "Watson Rd", E Mod;

SPECIAL ST-STRUCTURAL;
3.000" Radius, 1.000" Border, Black on, White;
"U TURN", D; "¼ MILE", D; "FROM RIGHT LANE", D;
Table of letter and object lefts

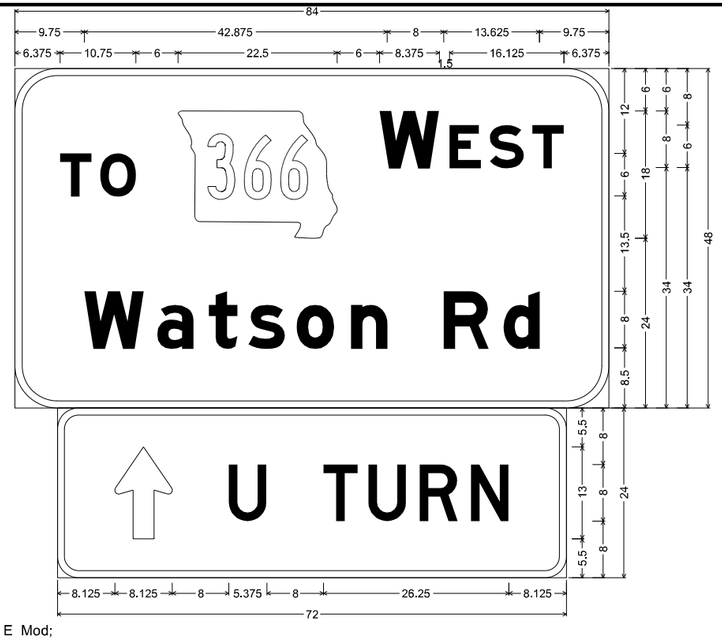
T	O	366	W	E	S	T
6.375	12.125	23.125	51.625	61.500	67.125	73.125

W	a	t	s	o	n	R	d
9.750	20.125	27.375	33.000	39.875	47.500	60.625	69.125

U	T	U	R	N	¼	M	I	L	E
9.000	19.000	23.875	29.250	34.750	44.750	58.125	64.250	66.500	71.375

F	R	O	M	R	I	G	H	T	L	A	N	E
5.250	10.000	15.125	20.750	31.500	36.875	39.250	44.625	49.875	59.500	63.500	69.625	75.125

SIGN NO.	64
STATION	2144+99.43
ROADWAY	RTE 366



D3-2 ST-STRUCTURAL;
6.000" Radius, 1.000" Border, White on, Green;
"TO", E Mod; "WEST", E Mod; "Watson Rd", E Mod;

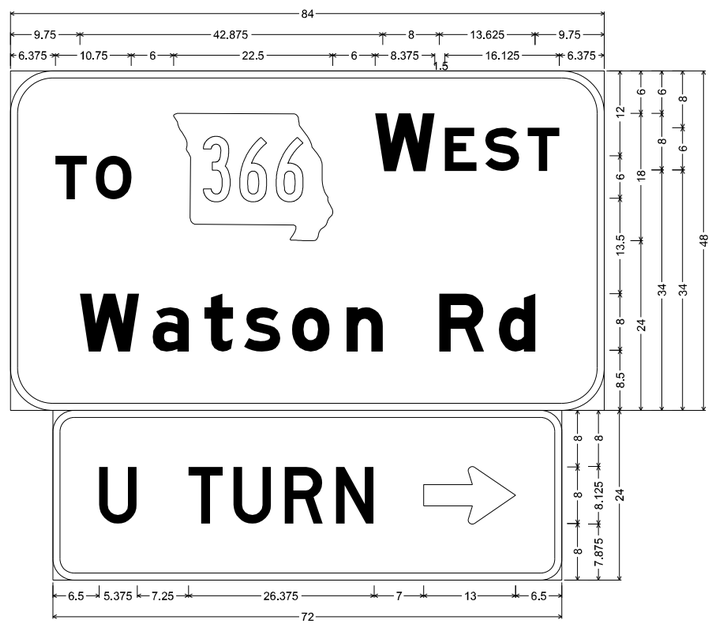
R3-26a ST-STRUCTURAL;
3.000" Radius, 1.000" Border, Black on, White;
Standard Arrow Custom 13.000" X 8.125" 90'; "U TURN", D;
Table of letter and object lefts

T	O	366	W	E	S	T
6.375	12.125	23.125	51.625	61.500	67.125	73.125

W	a	t	s	o	n	R	d
9.750	20.125	27.375	33.000	39.875	47.500	60.625	69.125

⇧	U	T	U	R	N
8.125	24.250	37.625	44.000	51.250	58.500

SIGN NO.	66
STATION	2147+36.58
ROADWAY	RTE 366



D3-2 ST-STRUCTURAL;
6.000" Radius, 1.000" Border, White on, Green;
"TO", E Mod; "WEST", E Mod; "Watson Rd", E Mod;

R3-25b ST-STRUCTURAL;
3.000" Radius, 1.000" Border, Black on, White;
"U TURN", D; Standard Arrow Custom 13.000" X 8.125" 0';
Table of letter and object lefts

T	O	366	W	E	S	T
6.375	12.000	23.125	51.625	61.500	67.125	73.125

W	a	t	s	o	n	R	d
9.750	20.125	27.375	33.000	39.875	47.500	60.625	69.125

U	T	U	R	N	⇨
6.500	19.125	25.500	32.875	40.125	52.500

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	481

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE	REV.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
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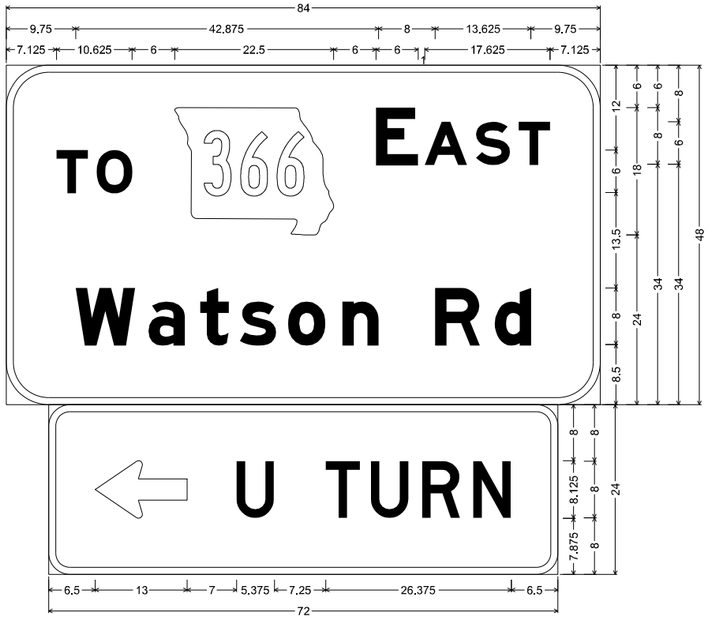
SHEET 39 OF 41
SIGNING SHEET

ROUTE 366
WATSON ROAD

D-31

SIGN NO.	68
STATION	2148+86.28
ROADWAY	RTE 366

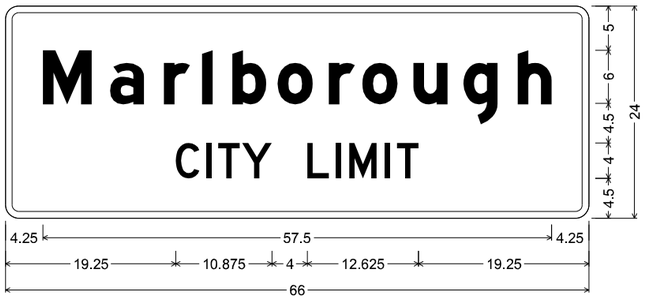


D3-2 ST-STRUCTURAL;
6.000" Radius, 1.000" Border, White on, Green;
"TO", E Mod; "EAST", E Mod; "Watson Rd", E Mod;

R3-25b ST-STRUCTURAL;
3.000" Radius, 1.000" Border, Black on, White;
Standard Arrow Custom 13.000" X 8.125" 180'; "U TURN", D;
Table of letter and object lefts

T 7.125	O 12.750	366 23.750	E 52.250	A 59.250	S 66.500	T 72.500
W 9.750	a 20.125	t 27.375	s 33.000	o 39.875	n 47.500	R 60.625	d 69.125
⇦ 6.500	U 26.500	T 39.125	U 45.500	R 52.875	N 60.125	

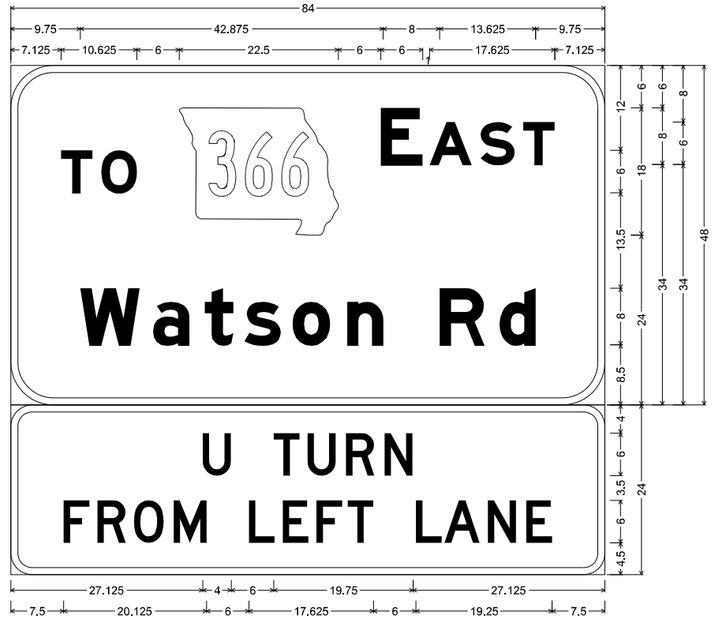
SIGN NO.	106 , 144
STATION	2194+42.62, 2265+89.91
ROADWAY	RTE 366



I4-1 SH-FLAT SHEET;
1.500" Radius, 0.750" Border, White on, Green;
"Marlborough", E Mod; "CITY LIMIT", D;
Table of letter and object lefts

M 4.250	a 11.875	r 17.875	l 22.250	b 25.625	o 30.750	r 36.625	o 40.375	u 46.125	g 51.875	h 58.000	
C 19.250	I 22.750	T 24.125	Y 26.750	L 34.125	I 37.375	M 38.875	I 42.875	T 44.250			

SIGN NO.	$S17A$
STATION	2152+61.81
ROADWAY	RTE 366

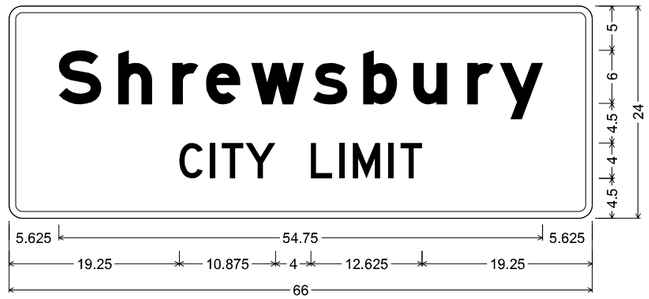


D3-2 ST-STRUCTURAL;
6.000" Radius, 1.000" Border, White on, Green;
"TO", E Mod; "EAST", E Mod; "Watson Rd", E Mod;

SPECIAL ST-STRUCTURAL;
3.000" Radius, 1.000" Border, Black on, White;
"U TURN", D; "FROM LEFT LANE", D;
Table of letter and object lefts

T 7.125	O 12.750	366 23.750	E 52.250	A 59.250	S 66.500	T 72.500
W 9.750	a 20.125	t 27.375	s 33.000	o 39.875	n 47.500	R 60.625	d 69.125
U 27.125	T 37.125	U 42.000	R 47.375	N 52.875		
F 7.500	R 12.250	O 17.375	M 23.000	L 33.625	E 38.500	F 43.250	T 47.625	L 57.250	A 61.375	N 67.500	E 72.875

SIGN NO.	148 , 166
STATION	2267+81.98, 2334+87.14
ROADWAY	RTE 366



I4-1 SH-FLAT SHEET;
1.500" Radius, 0.750" Border, White on, Green;
"Shrewsbury", E Mod; "CITY LIMIT", D;
Table of letter and object lefts

S 5.625	h 12.375	r 18.500	e 22.250	w 27.375	s 34.375	b 40.000	u 45.750	r 51.875	y 55.500		
C 19.250	I 22.750	T 24.125	Y 26.750	L 34.125	I 37.375	M 38.875	I 42.875	T 44.250			

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	482

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE	REV.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
CRAWFORD, MURPHY & TILLY, INC.
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ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
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SHEET 40 OF 41
SIGNING SHEET

ROUTE 366
WATSON ROAD

D-31

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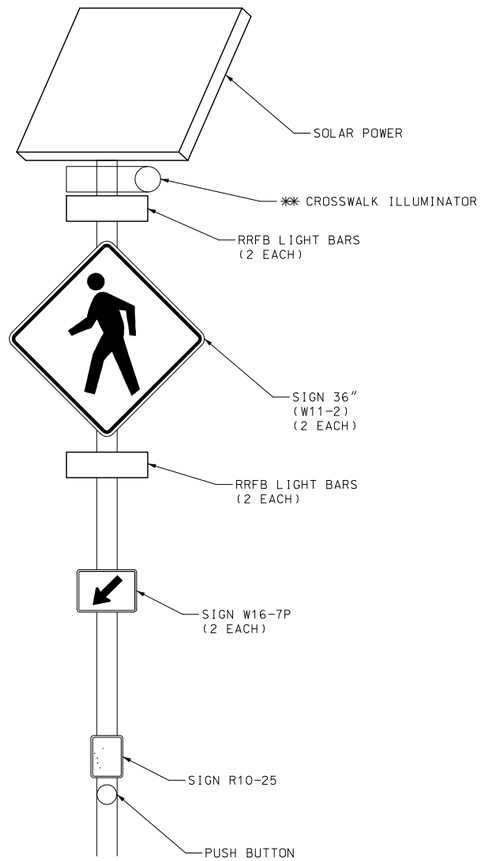
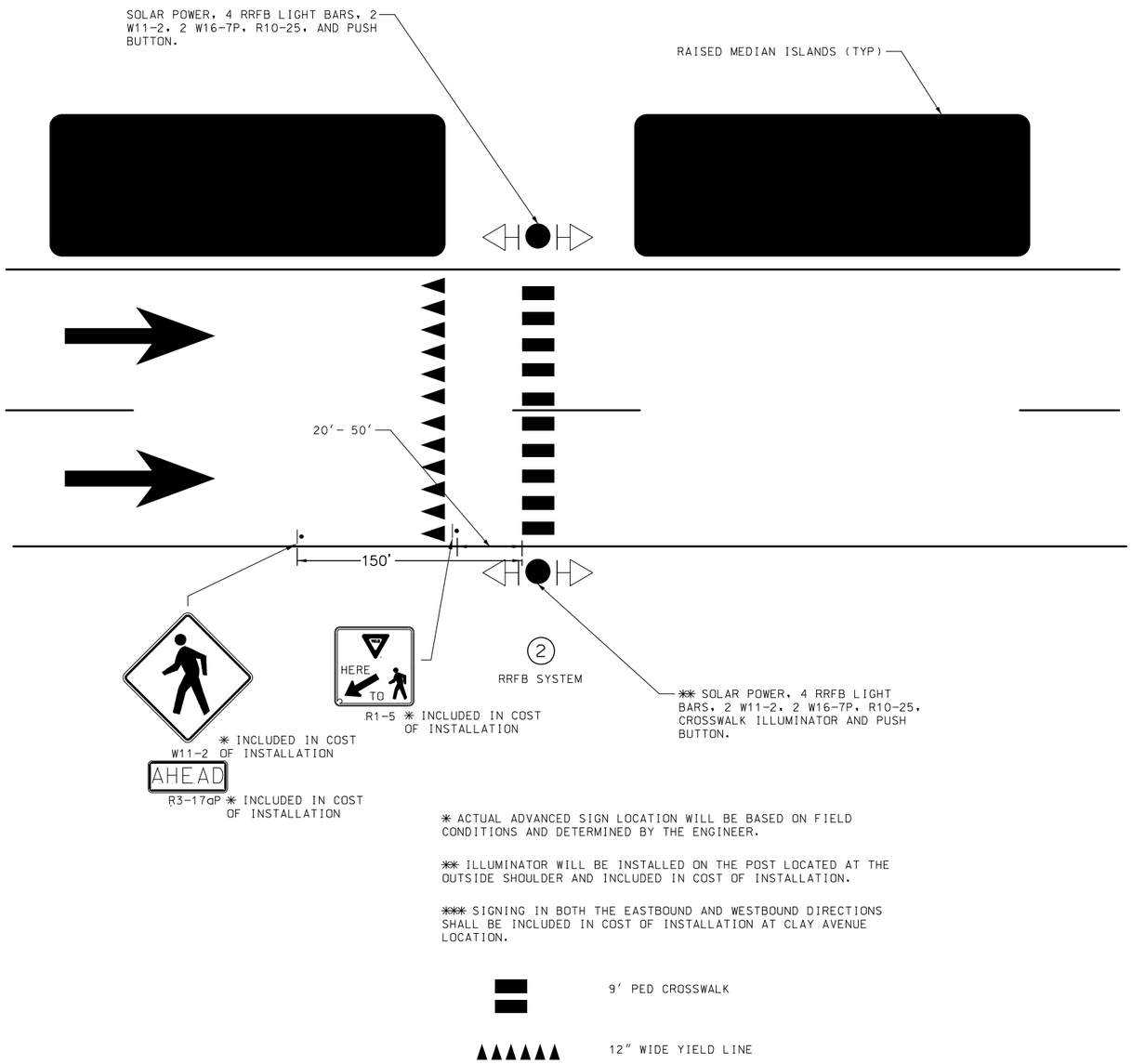


(1) USED WITH A TYPE C POST BASE (STANDARD PLANS 902.30P)

NOT TO SCALE



✳ ACTUAL ADVANCED SIGN LOCATION WILL BE BASED ON FIELD CONDITIONS AND DETERMINED BY THE ENGINEER.

✳✳ ILLUMINATOR WILL BE INSTALLED ON THE POST LOCATED AT THE OUTSIDE SHOULDER AND INCLUDED IN COST OF INSTALLATION.

✳✳✳ SIGNING IN BOTH THE EASTBOUND AND WESTBOUND DIRECTIONS SHALL BE INCLUDED IN COST OF INSTALLATION AT CLAY AVENUE LOCATION.

9' PED CROSSWALK

12" WIDE YIELD LINE

RECTANGULAR RAPID FLASHING BEACON WITH CROSSWALK ILLUMINATOR

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED: 7/25/2024
MO ROUTE: 366 | STATE: MO
DISTRICT: SL | SHEET NO.: 483
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

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DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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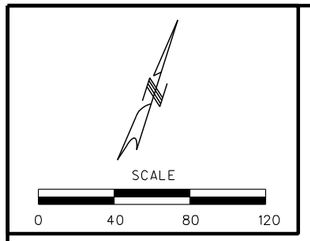
ENGINEERING CORPORATION - 000631

SHEET 41 OF 41
RECTANGULAR RAPID FLASHING BEACON DETAIL

ROUTE 366
WATSON ROAD

REV.



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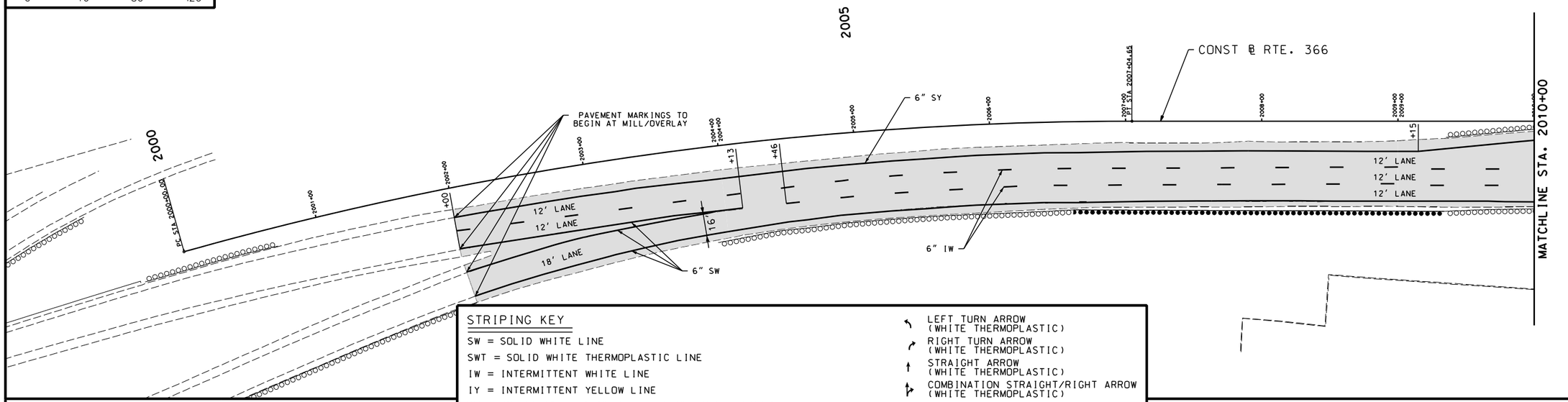

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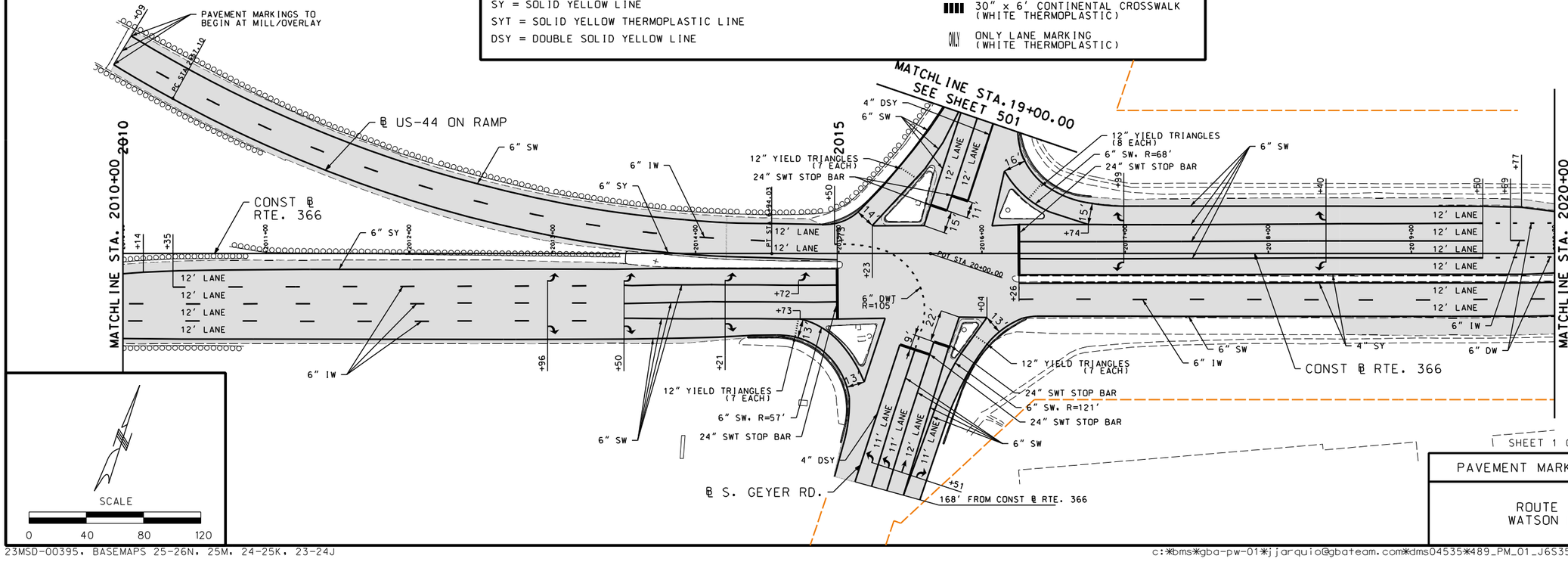

SHEET 1 OF 18

PAVEMENT MARKING SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
JASON LAWRENCE C. JARQUIO
NUMBER PE-2021011939
PROFESSIONAL ENGINEER
07/26/2024 3:22:42 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	484

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

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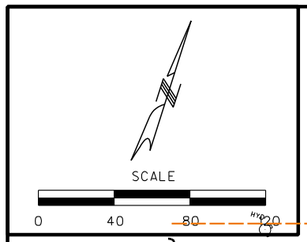
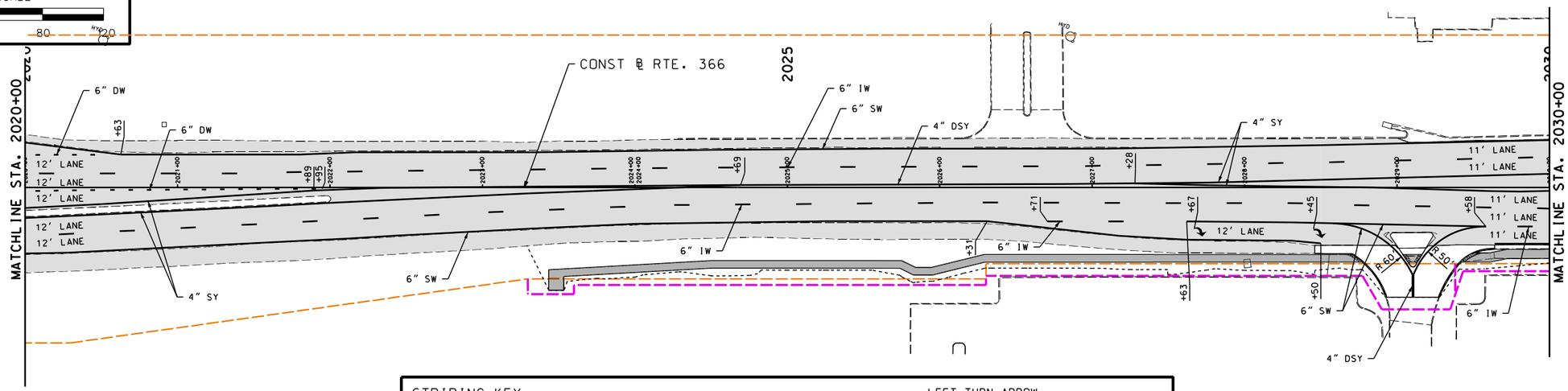
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

JASON L. JARQUIO
PROFESSIONAL ENGINEER
PE-2021011939





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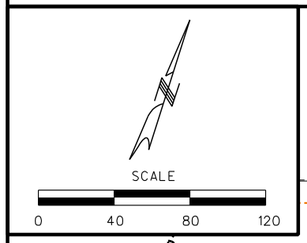

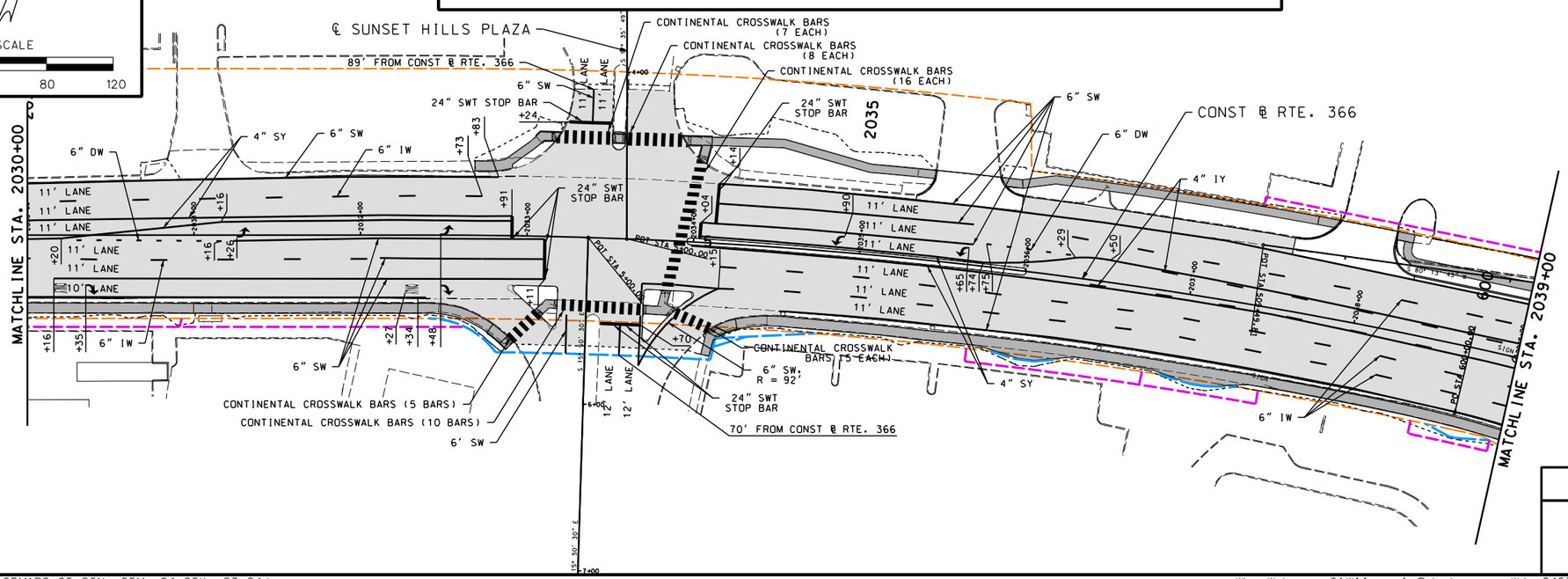

SHEET 2 OF 18

PAVEMENT MARKING SHEET

ROUTE 366
WATSON ROAD

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STATE OF MISSOURI
JASON LAWRENCE C. JARQUIO
NUMBER PE-2021011939
PROFESSIONAL ENGINEER

09/05/2024 5:11:11 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	485

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

JASON L. JARQUIO
PROFESSIONAL ENGINEER
PE-2021011939

REV.

SCALE

0 40 80 120

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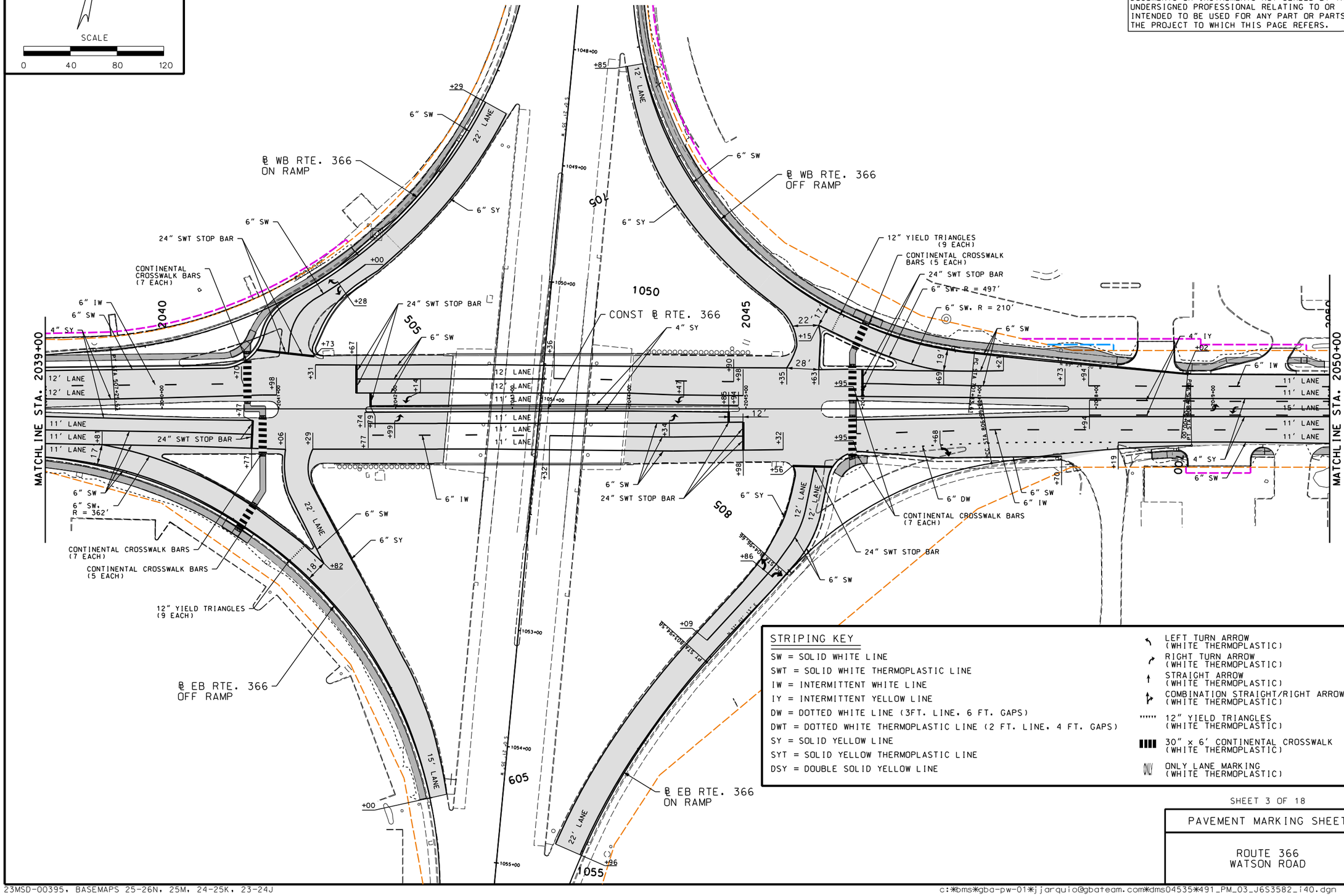

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ONLY LANE MARKING (WHITE THERMOPLASTIC)

SHEET 3 OF 18

PAVEMENT MARKING SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
JASON LAWRENCE C. JARQUIO
NUMBER PE-2021011939
PROFESSIONAL ENGINEER

07/26/2024 3:22:43 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	486

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

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JEFFERSON CITY, MO 65102
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16305 Swingley Ridge Dr., Ste 300
Chesterfield, Missouri 63017
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PRO. ENGINEER 000133
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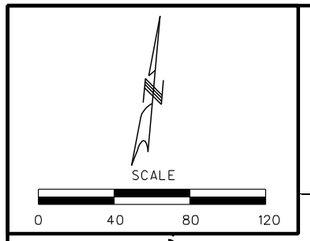
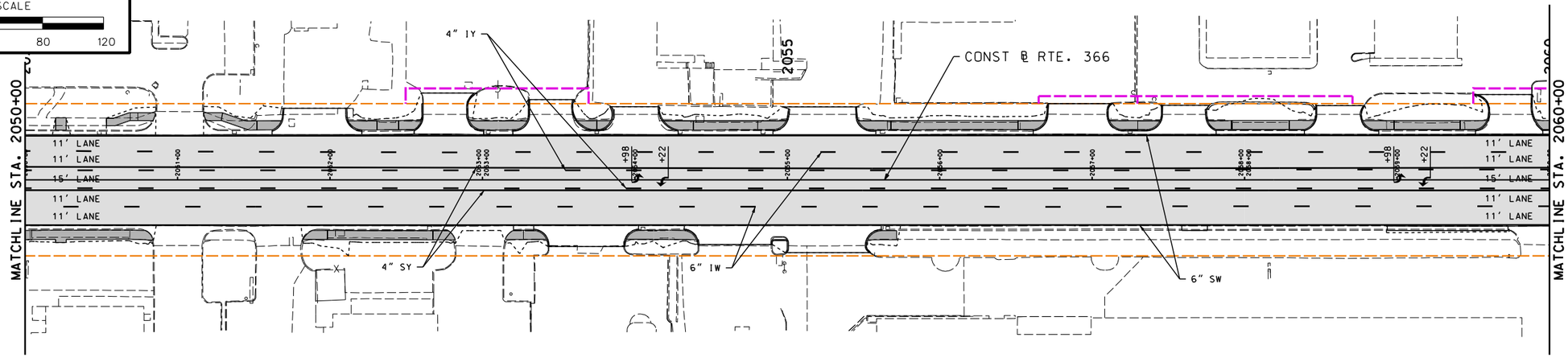
PRO. LAND SURVEYOR 000059

JASON L. JARQUIO
PROFESSIONAL ENGINEER
PE-2021011939

REV.





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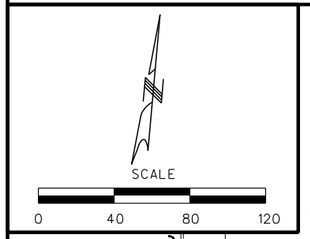

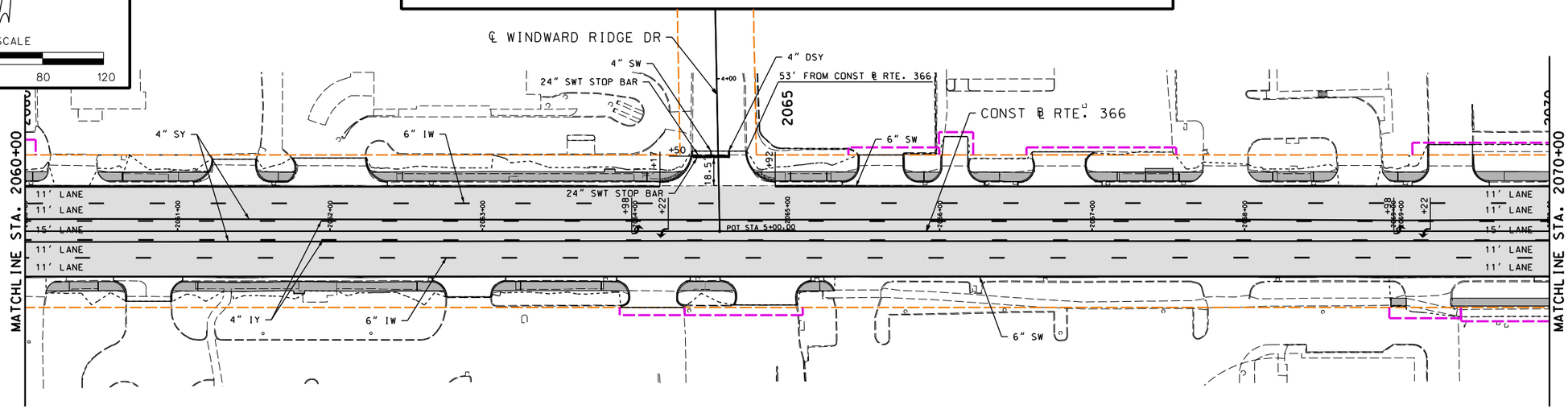

SHEET 4 OF 18

PAVEMENT MARKING SHEET

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
JASON LAWRENCE C. JARQUIO
NUMBER PE-2021011939
PROFESSIONAL ENGINEER
07/26/2024 3:22:43 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED: 7/26/2024
MO ROUTE: 366
STATE: MO
DISTRICT: SL
SHEET NO.: 487
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
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DESCRIPTION | DATE | REV.

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105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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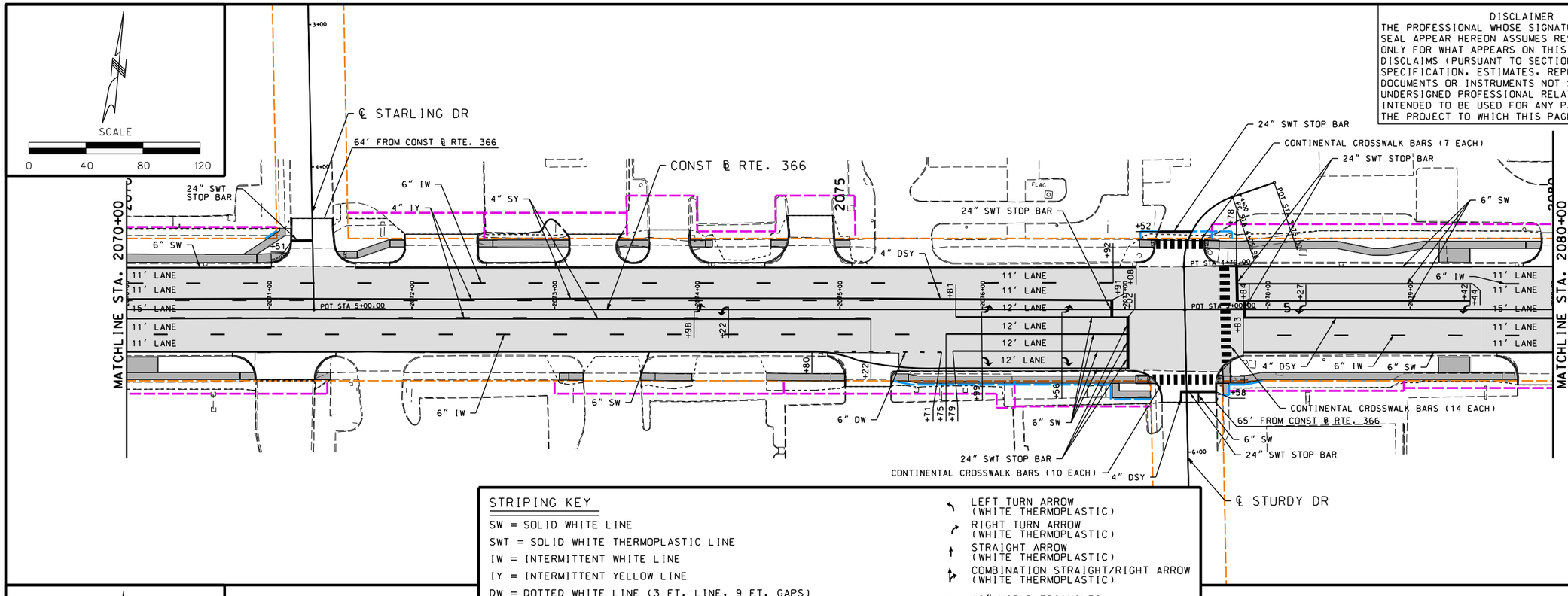

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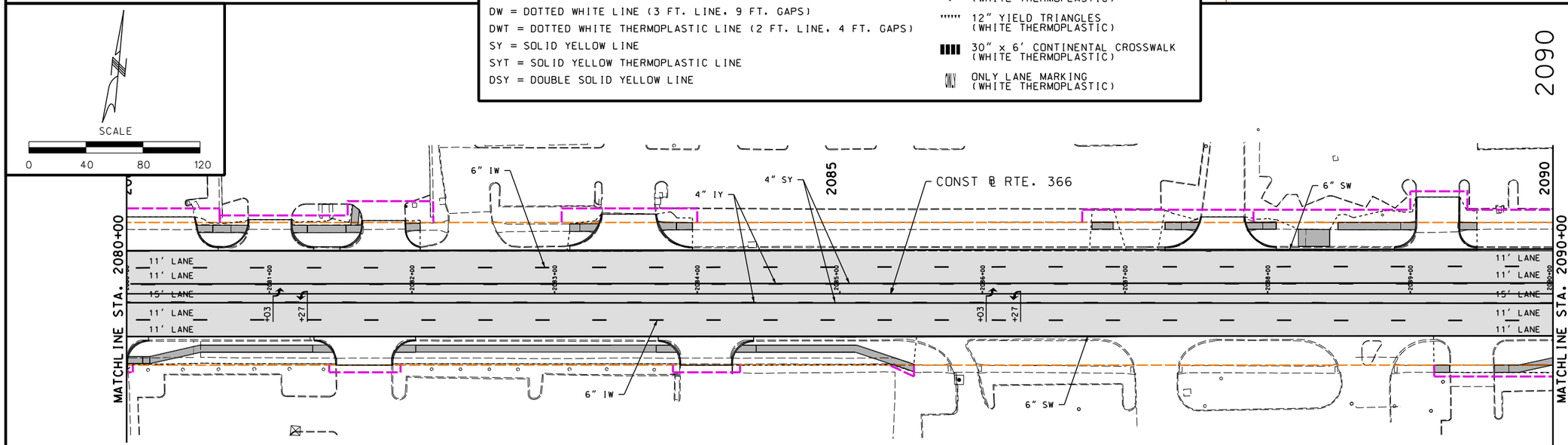

SHEET 5 OF 18

PAVEMENT MARKING SHEET

ROUTE 366
WATSON ROAD

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JASON LAWRENCE C. JARQUIO
NUMBER PE-2021011939
PROFESSIONAL ENGINEER
07/26/2024 3:22:43 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	488

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION | DATE

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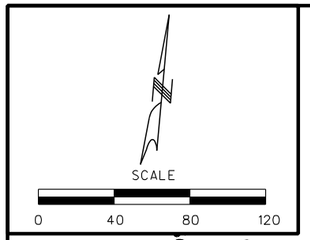

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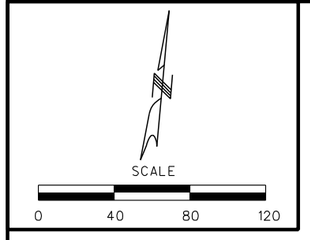

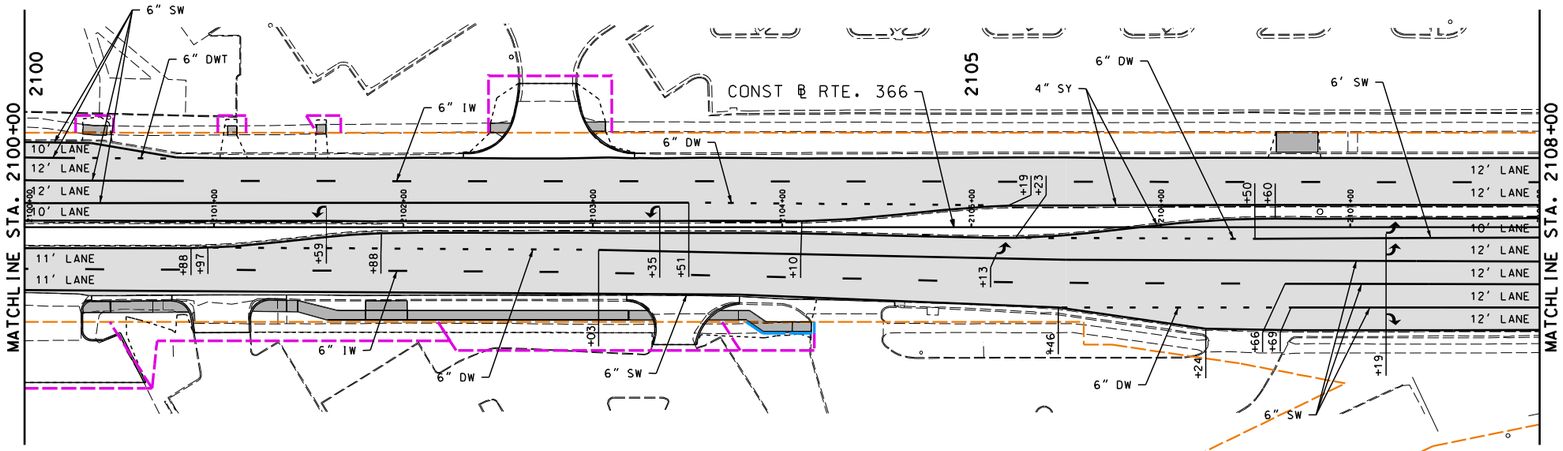

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STATE OF MISSOURI
JASON LAWRENCE C. JARQUIO
NUMBER PE-2021011939
PROFESSIONAL ENGINEER
07/26/2024 3:22:44 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	489

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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JEFFERSON CITY, MO 65102
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Chesterfield, Missouri 63017
636.240.2444
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GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

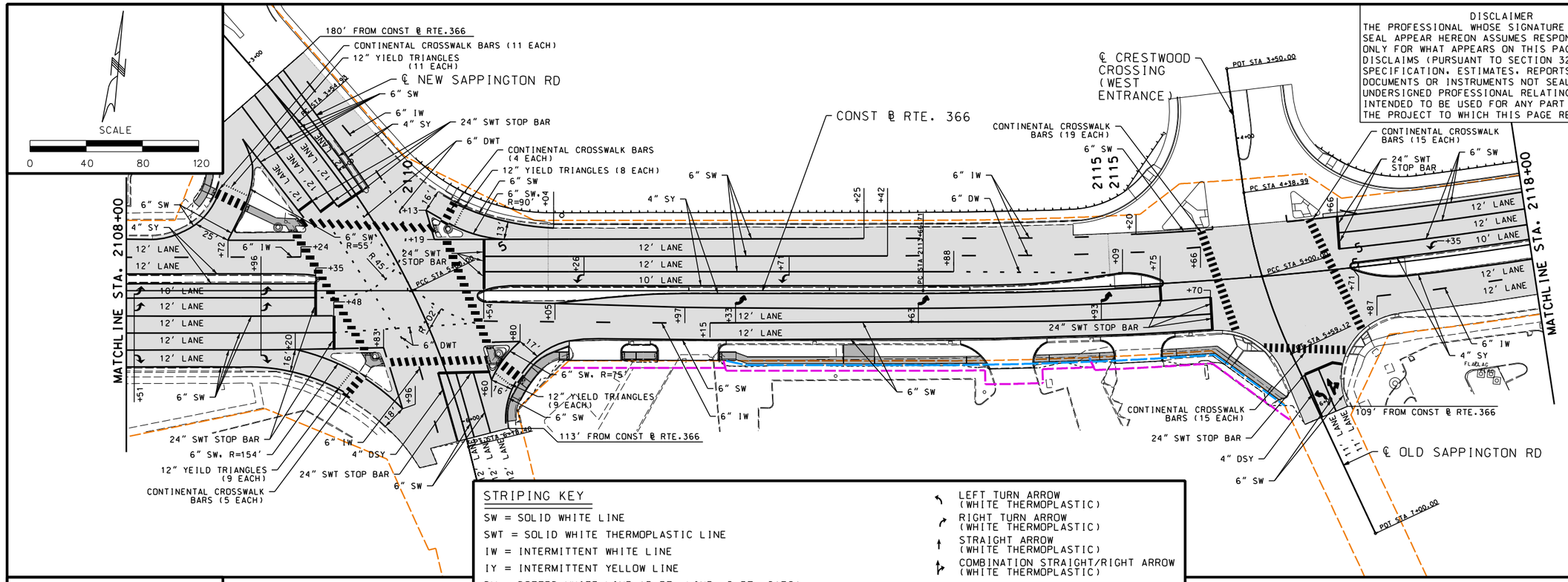
JASON L. JARQUIO
PROFESSIONAL ENGINEER
PE-2021011939

REV.

SHEET 6 OF 18

PAVEMENT MARKING SHEET

ROUTE 366
WATSON ROAD



STRIPING KEY

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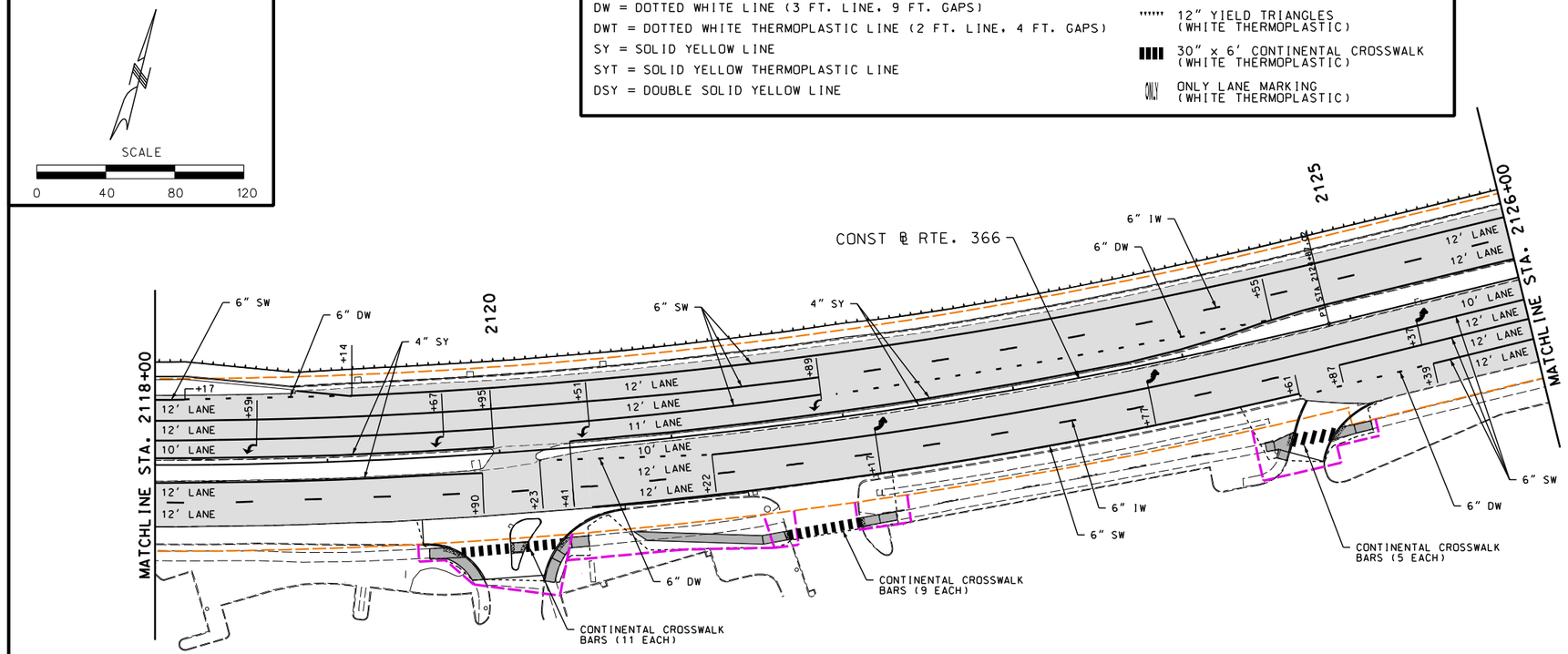

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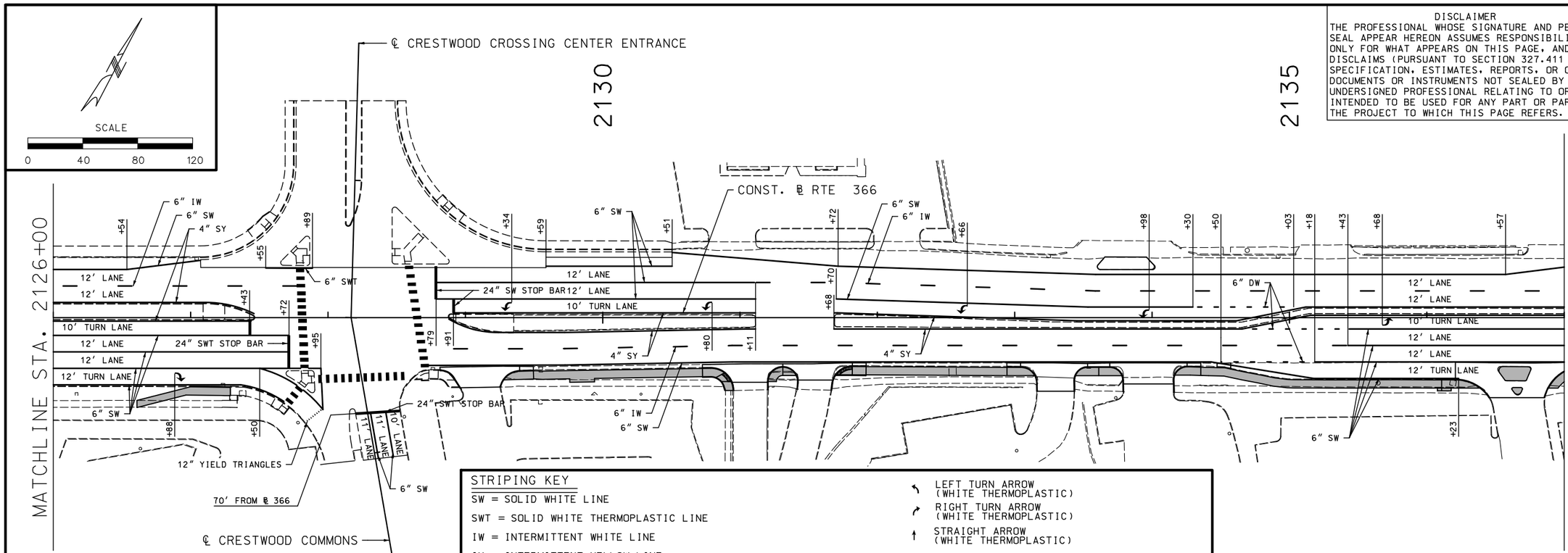
JASON L. JARQUIO
PROFESSIONAL ENGINEER
PE-2021011939

SHEET 7 OF 18

PAVEMENT MARKING SHEET

ROUTE 366
WATSON ROAD



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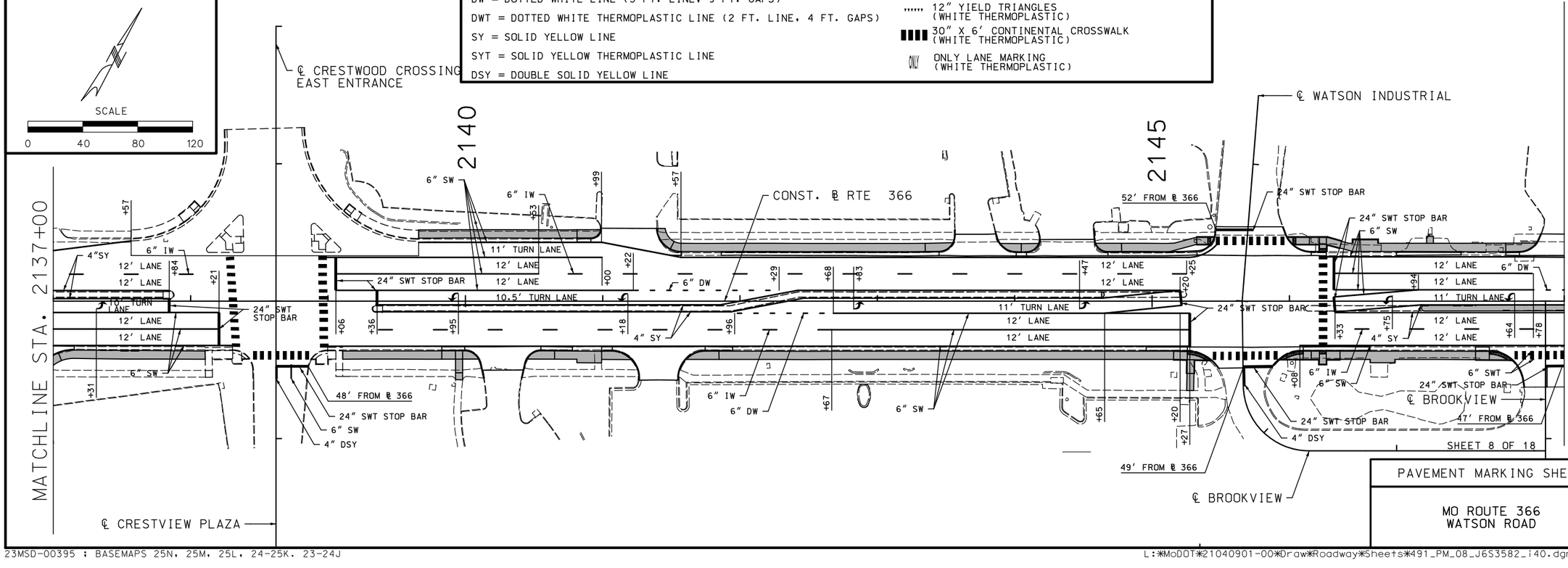

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CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	491

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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PAVEMENT MARKING SHEET

MO ROUTE 366
WATSON ROAD

SHEET 8 OF 18

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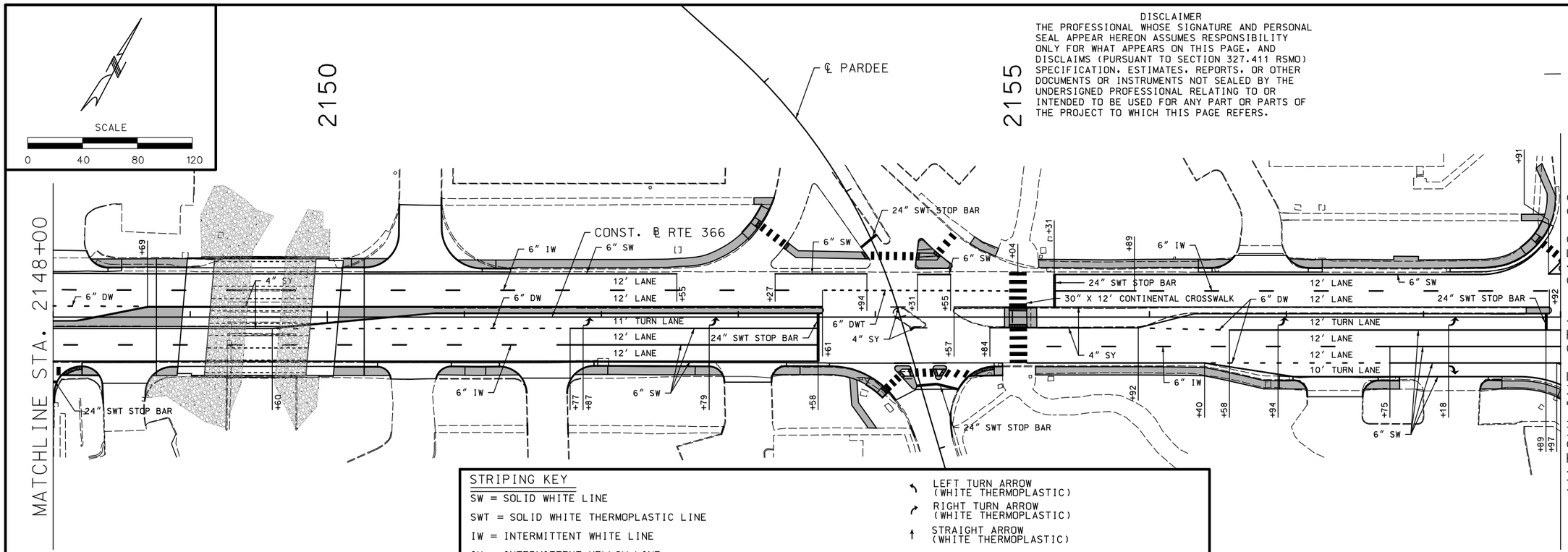

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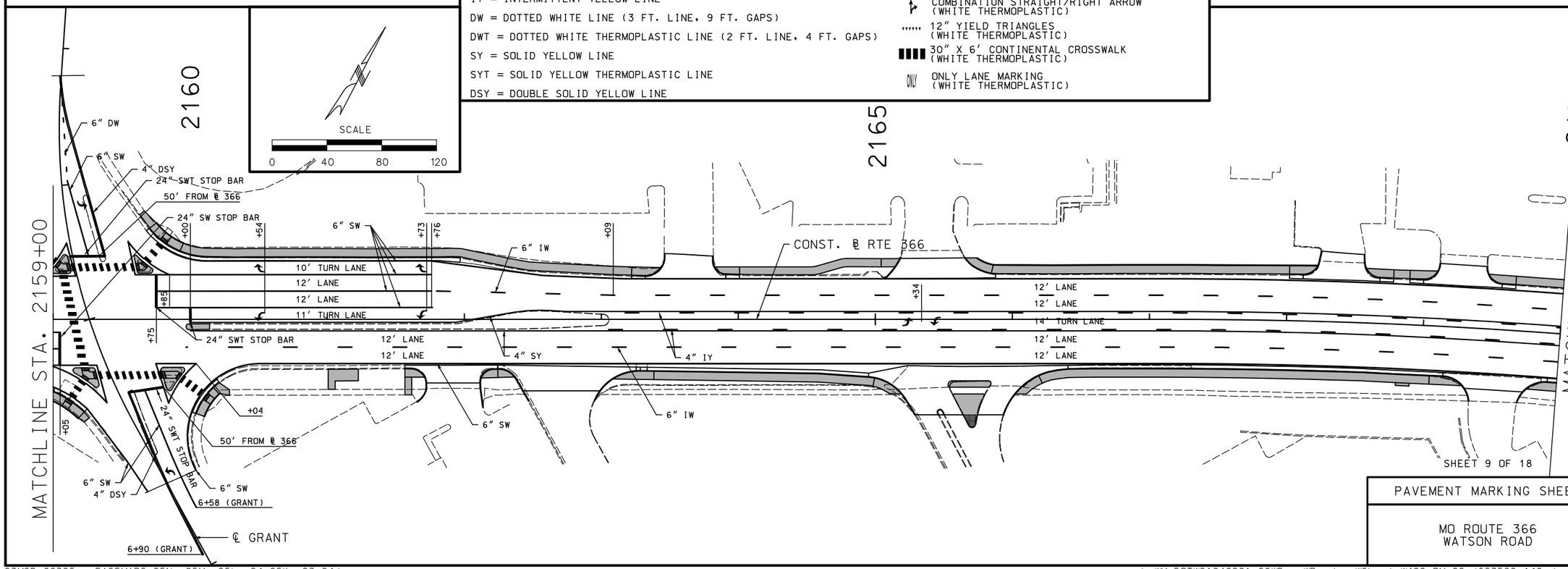

SHEET 9 OF 18

PAVEMENT MARKING SHEET

MO ROUTE 366
WATSON ROAD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED 7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	492

COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
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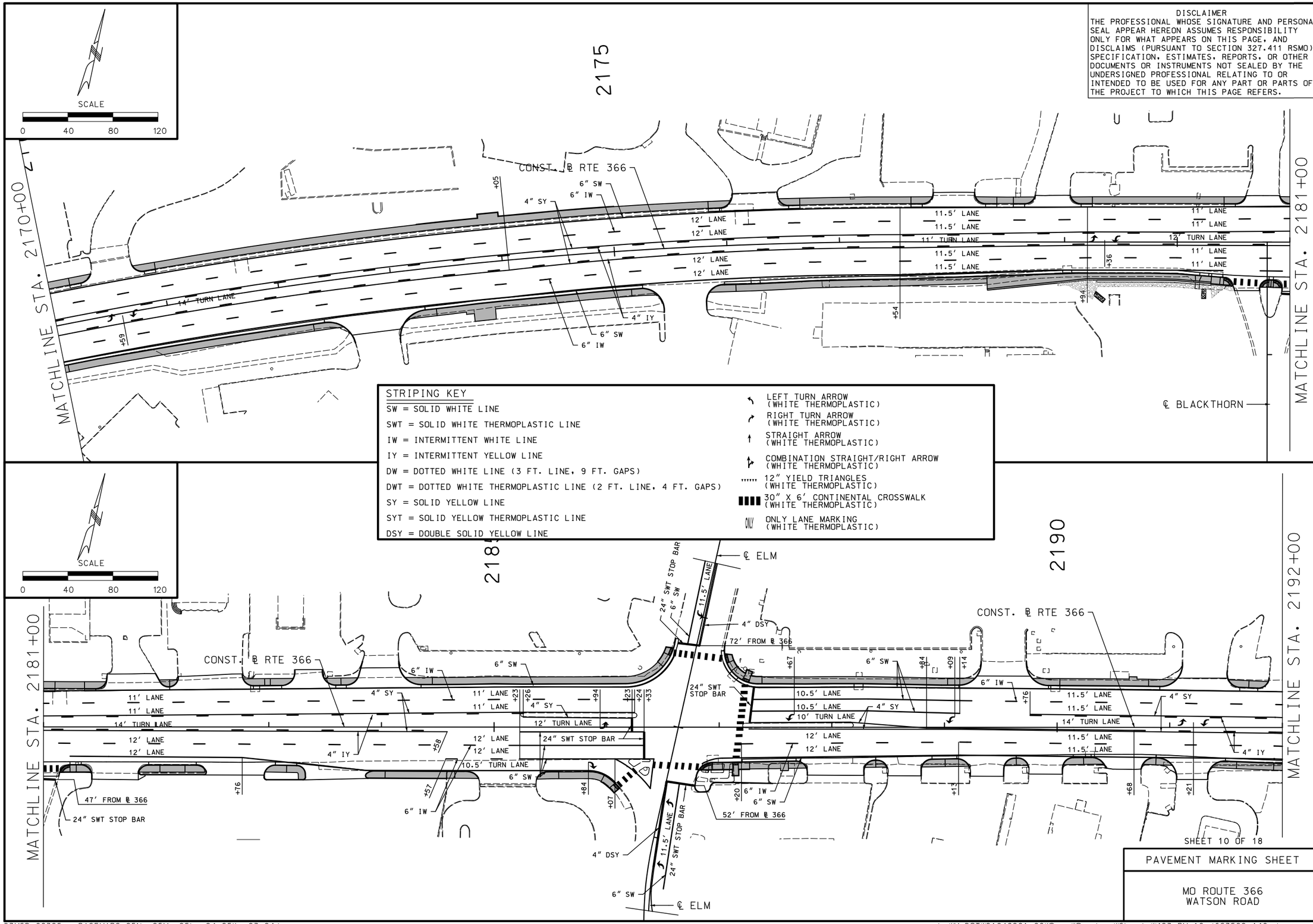

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07/29/2024
Cassandra McKee Lee - Civil
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DATE PREPARED	
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MO ROUTE 366	STATE MO
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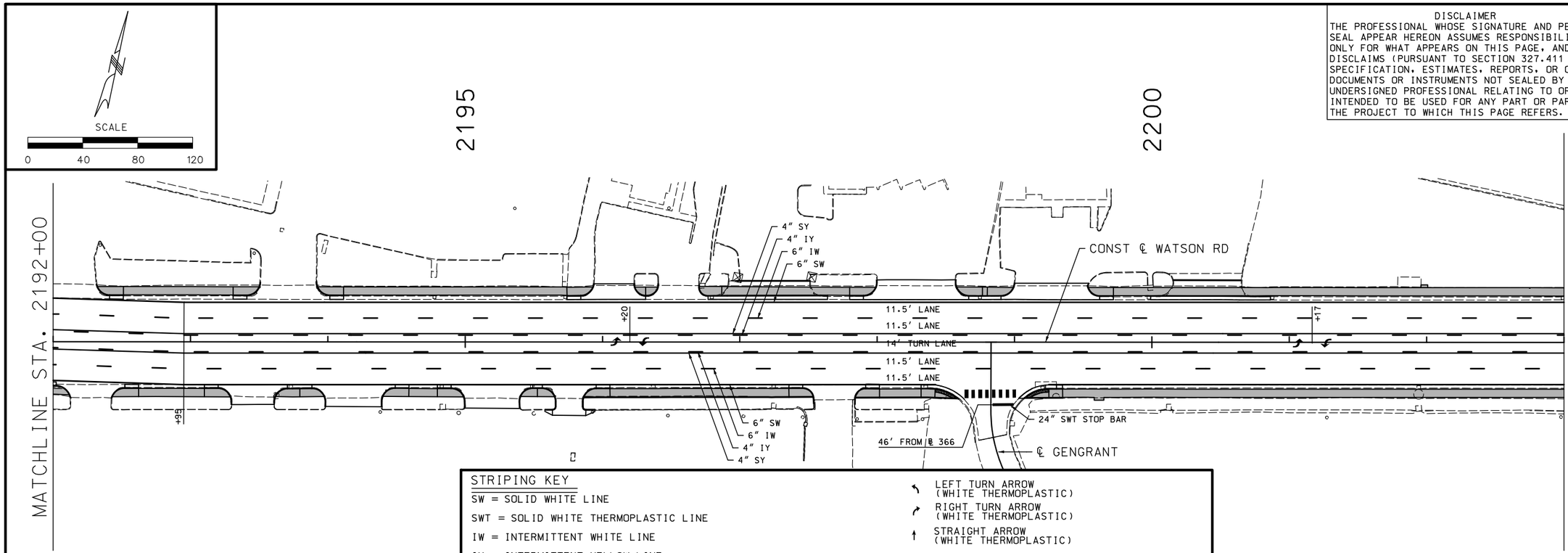
SHEET 10 OF 18

PAVEMENT MARKING SHEET

MO ROUTE 366
WATSON ROAD

REV.



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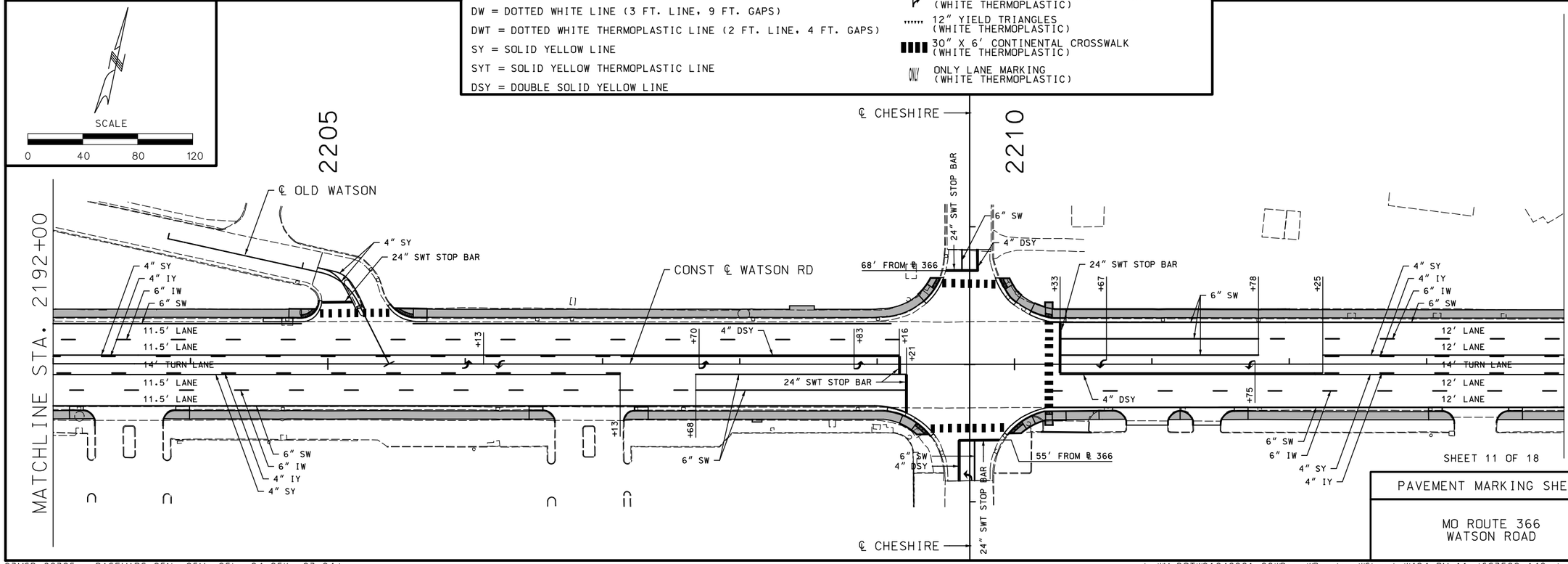

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CASSANDRA MCKEE LEE
NUMBER PE-2023025373
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07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	494

COUNTY
ST. LOUIS

JOB NO.
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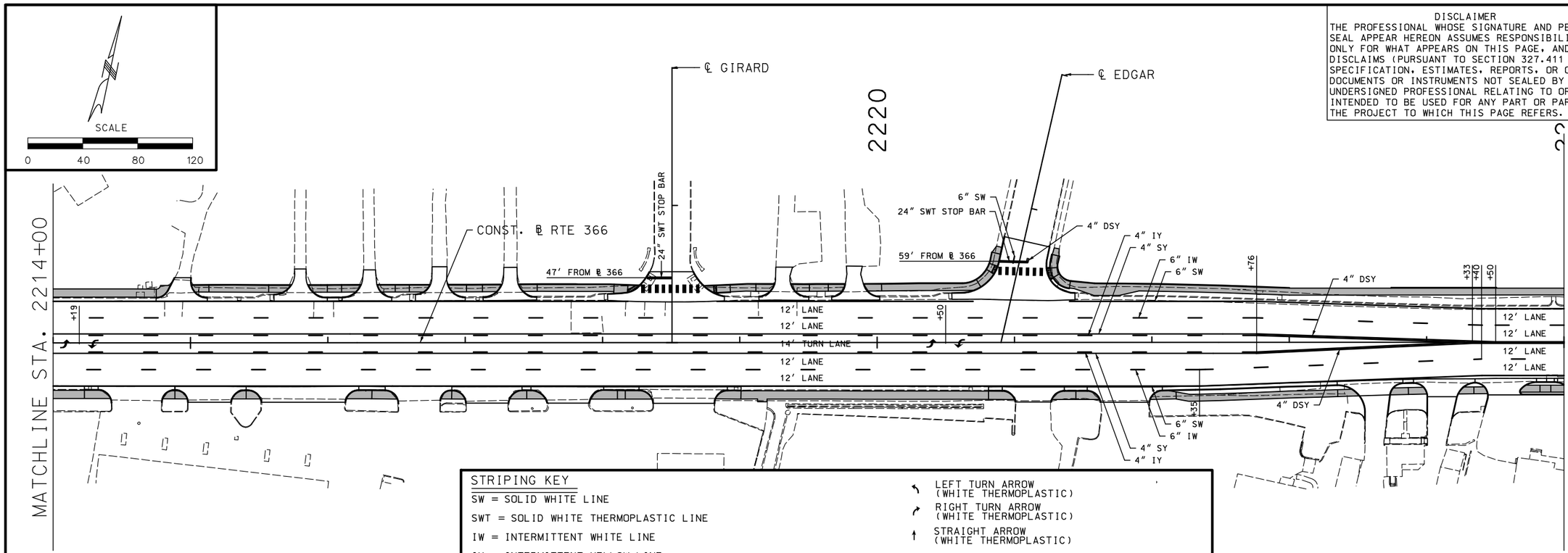
SHEET 11 OF 18

PAVEMENT MARKING SHEET

MO ROUTE 366
WATSON ROAD



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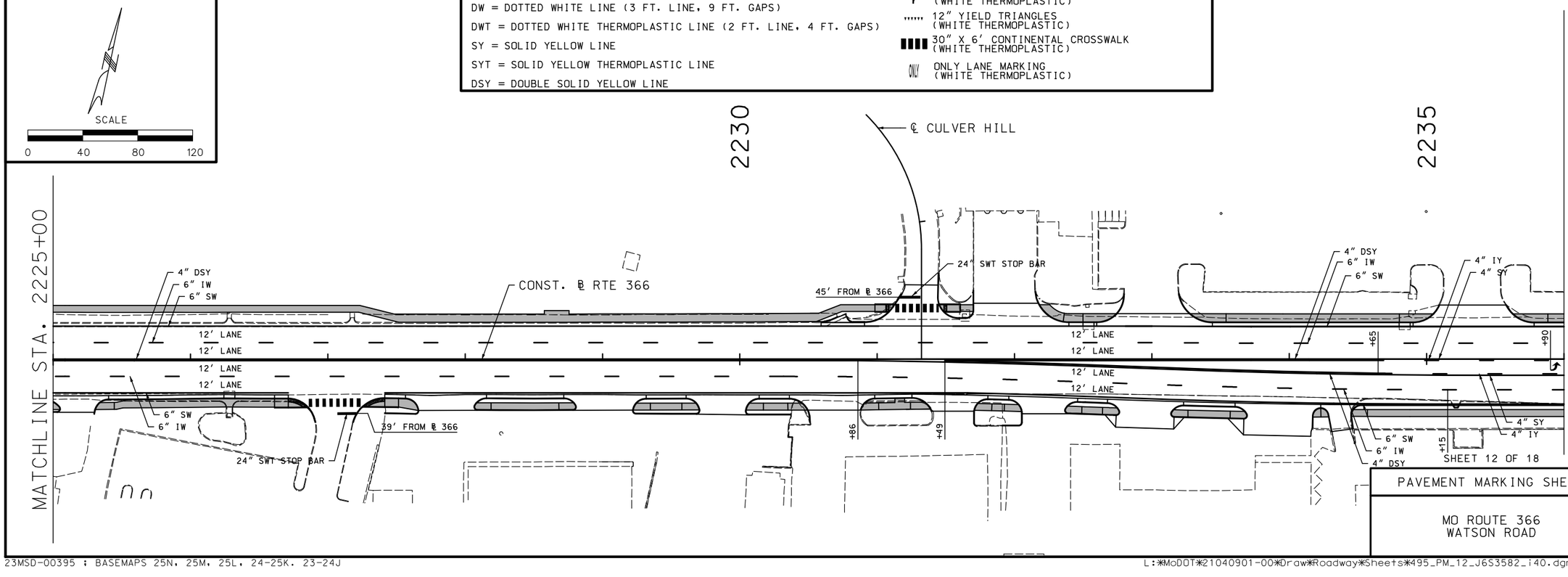

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Cassandra McKee Lee - Civil
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DATE PREPARED
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MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	495

COUNTY
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SHEET 12 OF 18

PAVEMENT MARKING SHEET

MO ROUTE 366
WATSON ROAD

SCALE
0 40 80 120

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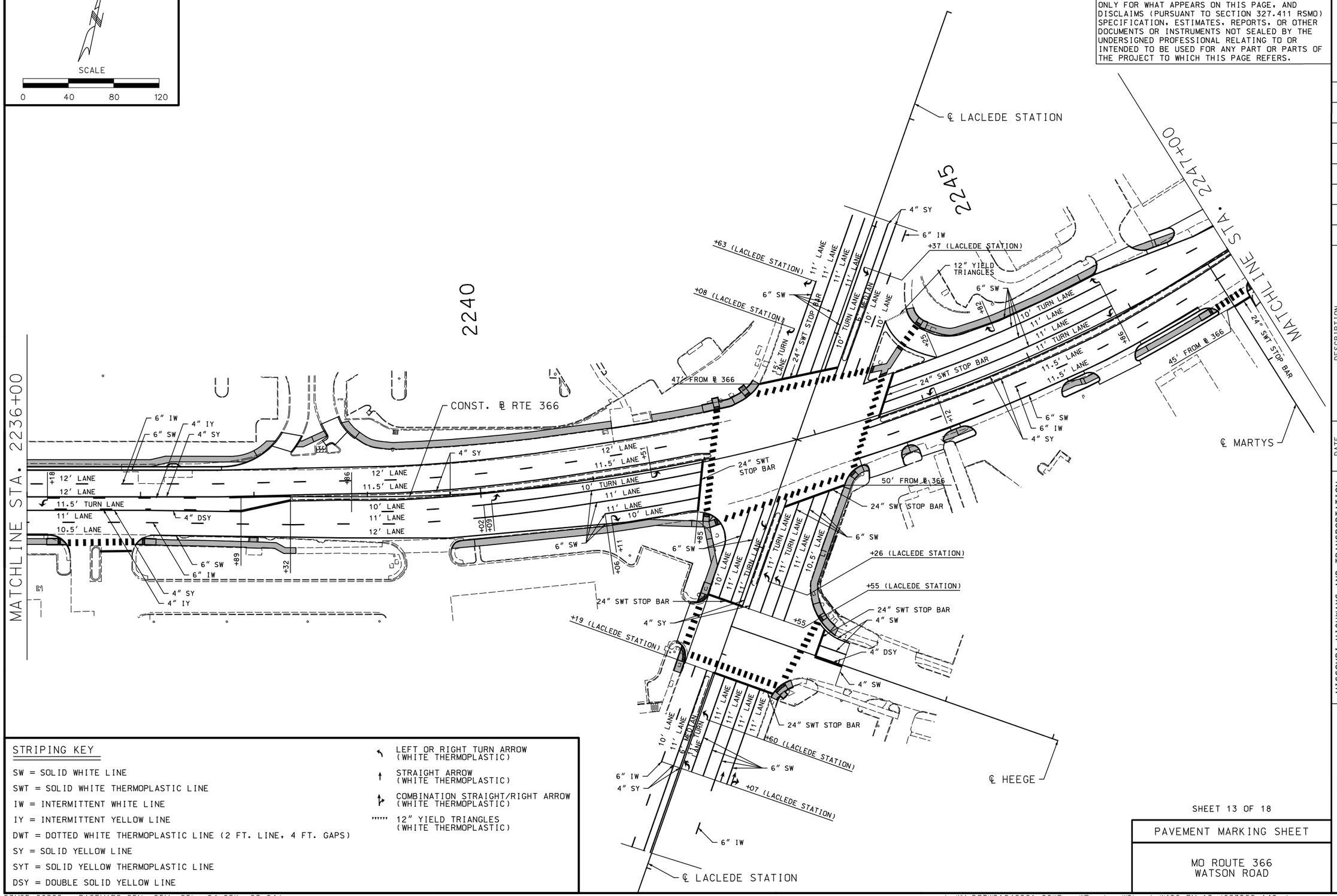

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SHEET 13 OF 18

PAVEMENT MARKING SHEET

MO ROUTE 366
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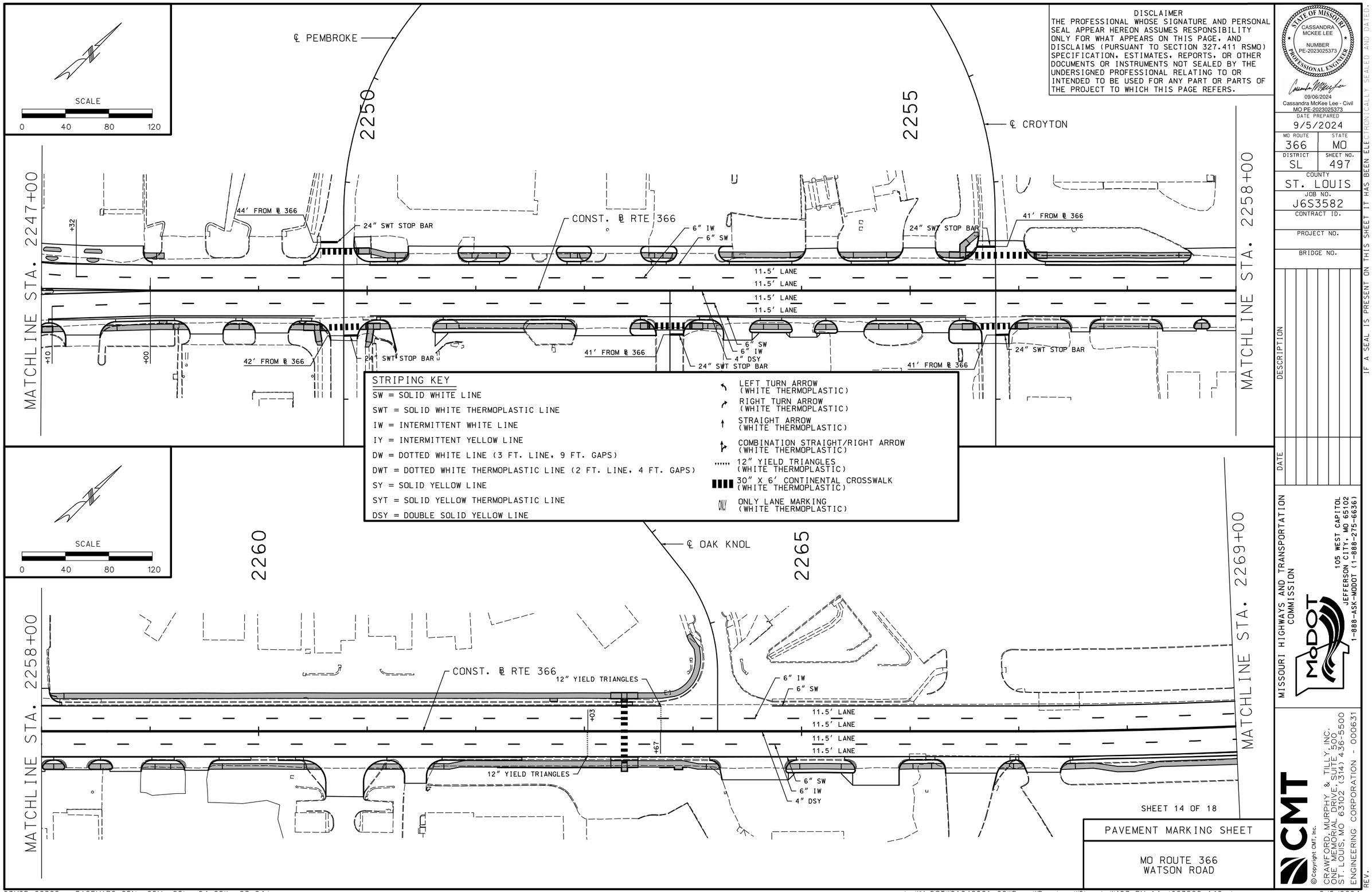

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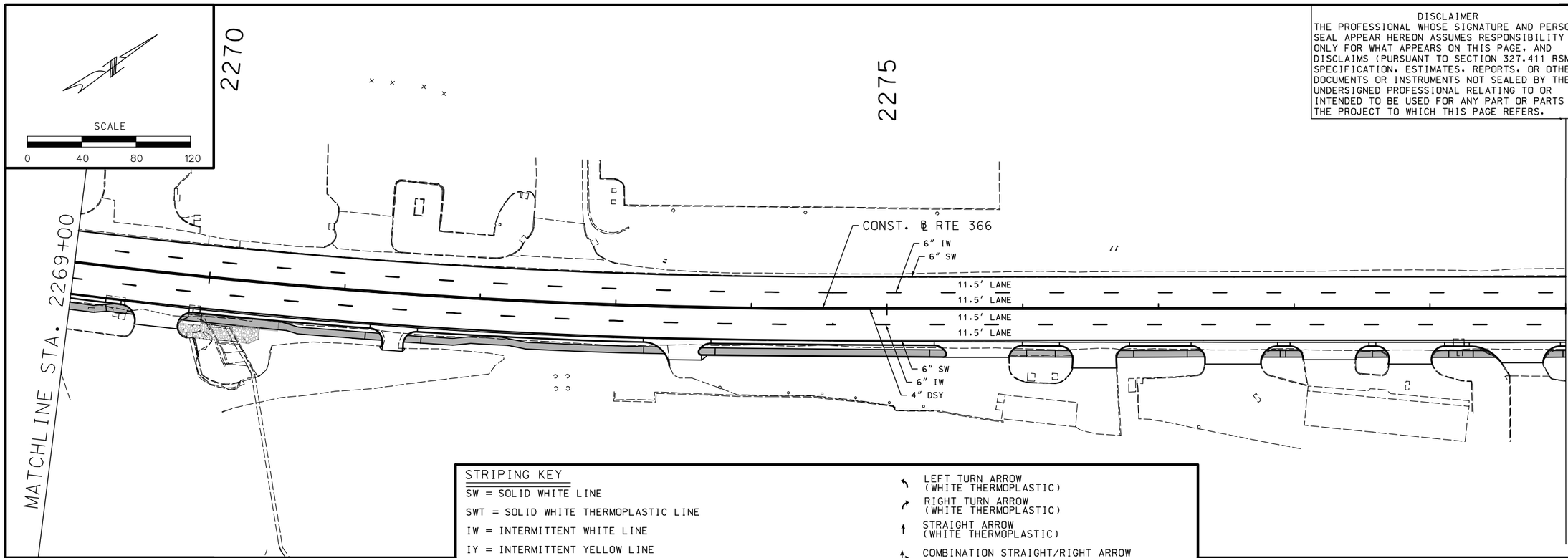
ENGINEERING CORPORATION - 000631

REV.

SHEET 14 OF 18

PAVEMENT MARKING SHEET

MO ROUTE 366
WATSON ROAD



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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	498

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

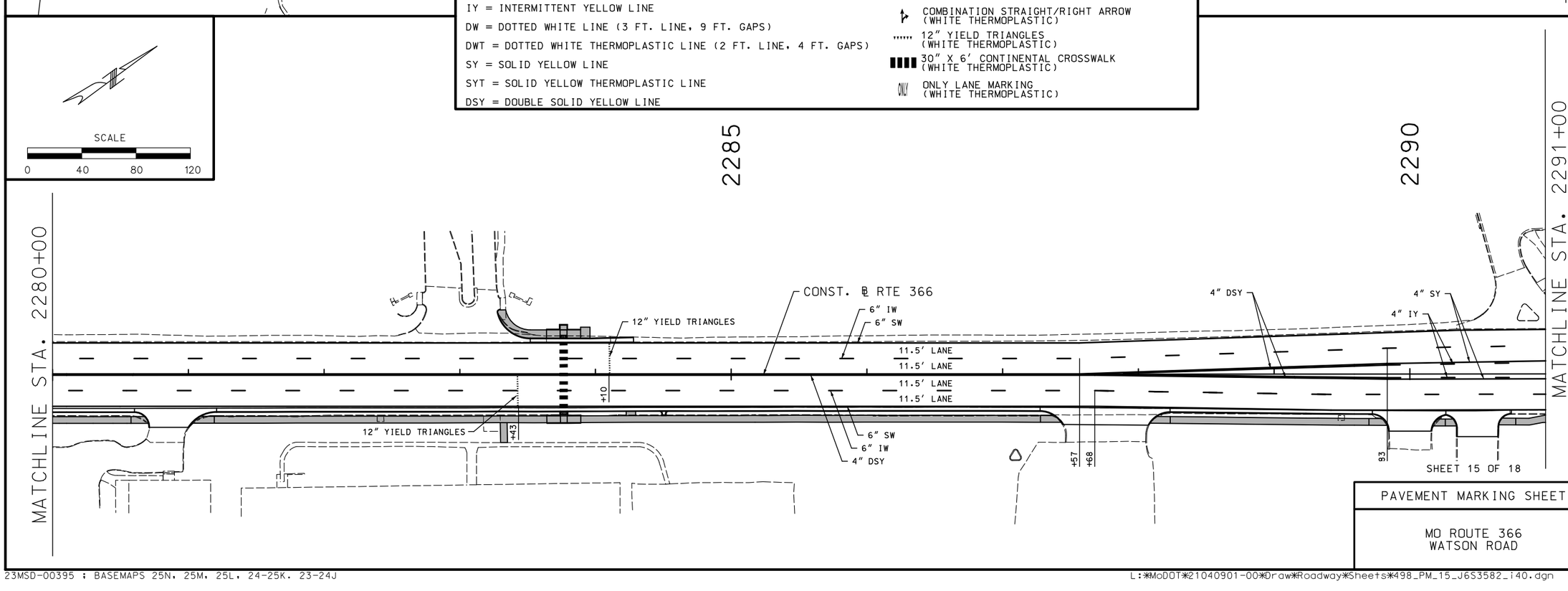
BRIDGE NO.

MATCHLINE STA. 2280+00

STRIPING KEY

SW = SOLID WHITE LINE
SWT = SOLID WHITE THERMOPLASTIC LINE
IW = INTERMITTENT WHITE LINE
IY = INTERMITTENT YELLOW LINE
DW = DOTTED WHITE LINE (3 FT. LINE, 9 FT. GAPS)
DWT = DOTTED WHITE THERMOPLASTIC LINE (2 FT. LINE, 4 FT. GAPS)
SY = SOLID YELLOW LINE
SYT = SOLID YELLOW THERMOPLASTIC LINE
DSY = DOUBLE SOLID YELLOW LINE

LEFT TURN ARROW (WHITE THERMOPLASTIC)
RIGHT TURN ARROW (WHITE THERMOPLASTIC)
STRAIGHT ARROW (WHITE THERMOPLASTIC)
COMBINATION STRAIGHT/RIGHT ARROW (WHITE THERMOPLASTIC)
12" YIELD TRIANGLES (WHITE THERMOPLASTIC)
30" X 6' CONTINENTAL CROSSWALK (WHITE THERMOPLASTIC)
ONLY LANE MARKING (WHITE THERMOPLASTIC)



PAVEMENT MARKING SHEET

MO ROUTE 366
WATSON ROAD

SHEET 15 OF 18

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ENGINEERING CORPORATION - 000631
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REV.

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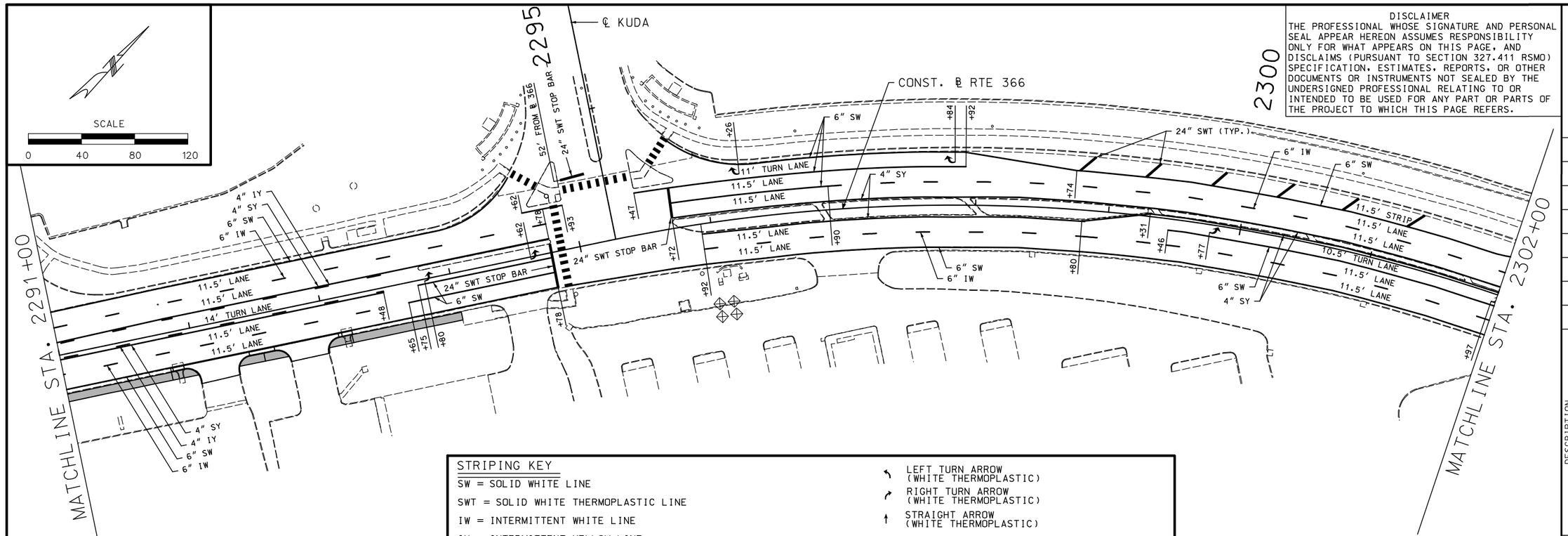

STRIPING KEY

SW = SOLID WHITE LINE

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IY = INTERMITTENT YELLOW LINE

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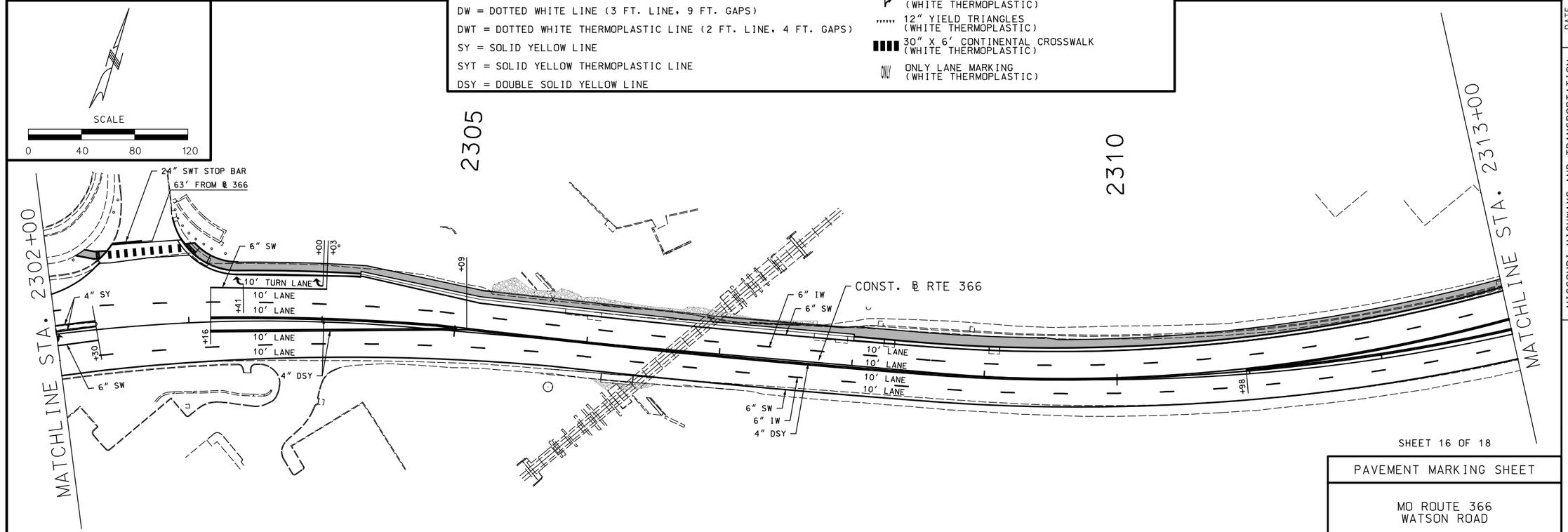

SHEET 16 OF 18

PAVEMENT MARKING SHEET

MO ROUTE 366
WATSON ROAD

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	499

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE	REV.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ST. LOUIS, MO 63102 (314) 436-5500
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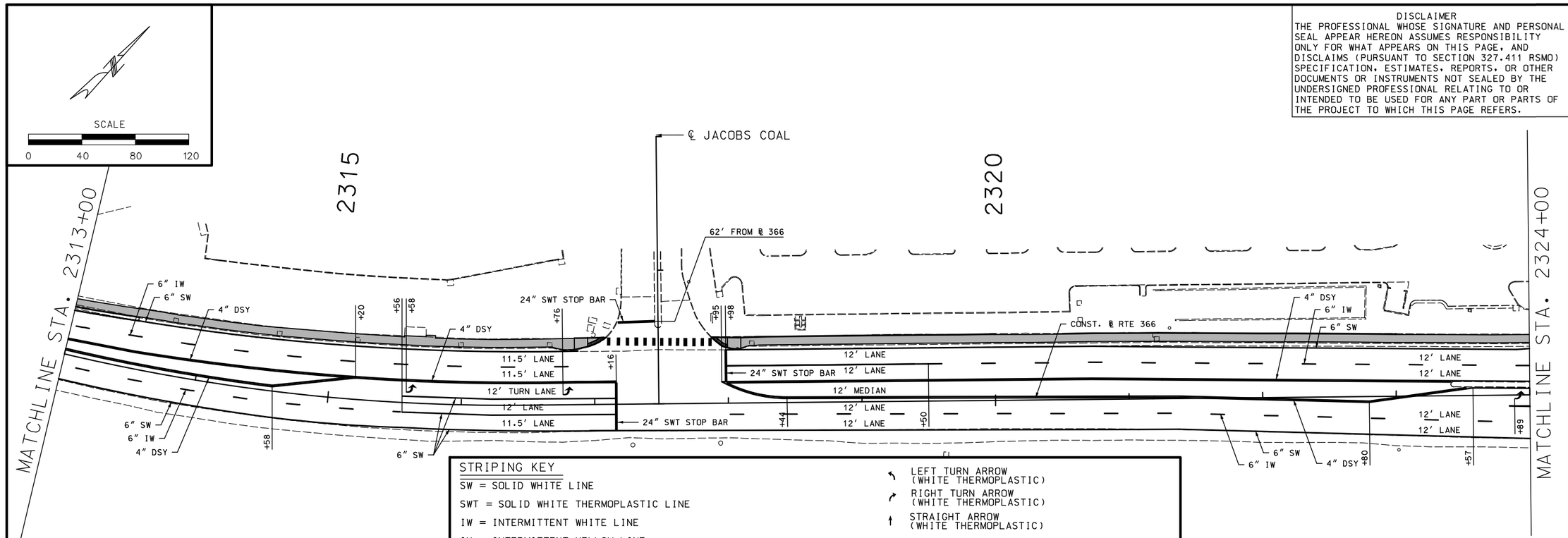

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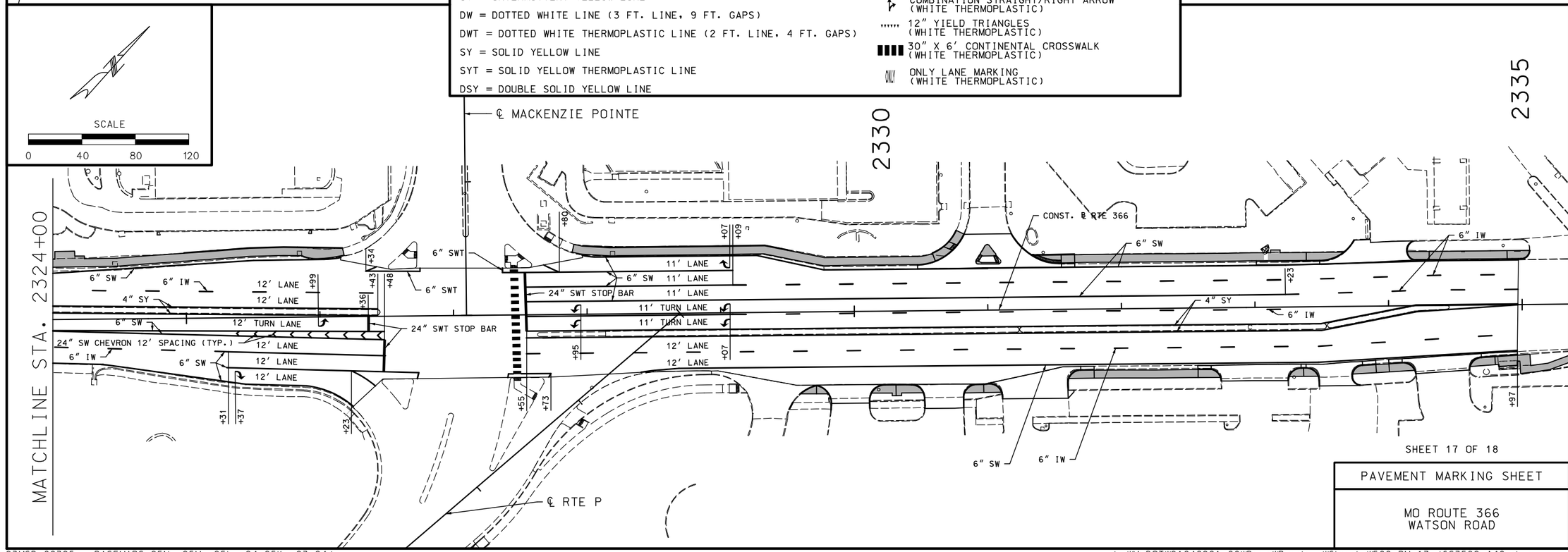

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STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

07/29/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	500

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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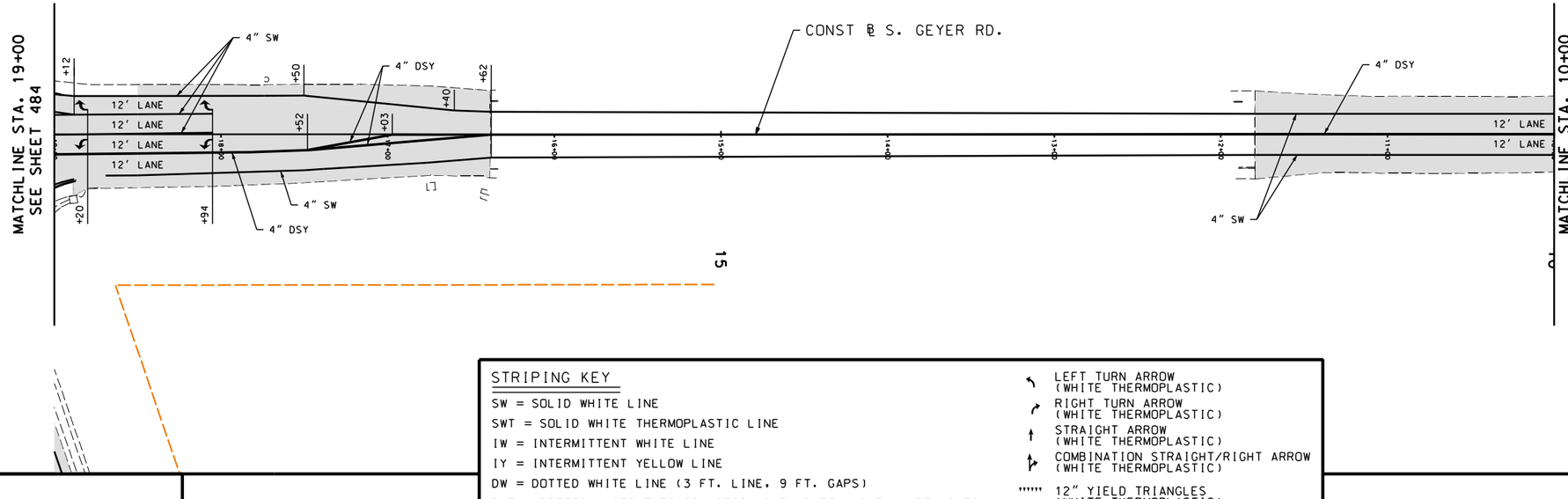
SHEET 17 OF 18

PAVEMENT MARKING SHEET

MO ROUTE 366
WATSON ROAD

SCALE

0 40 80 120



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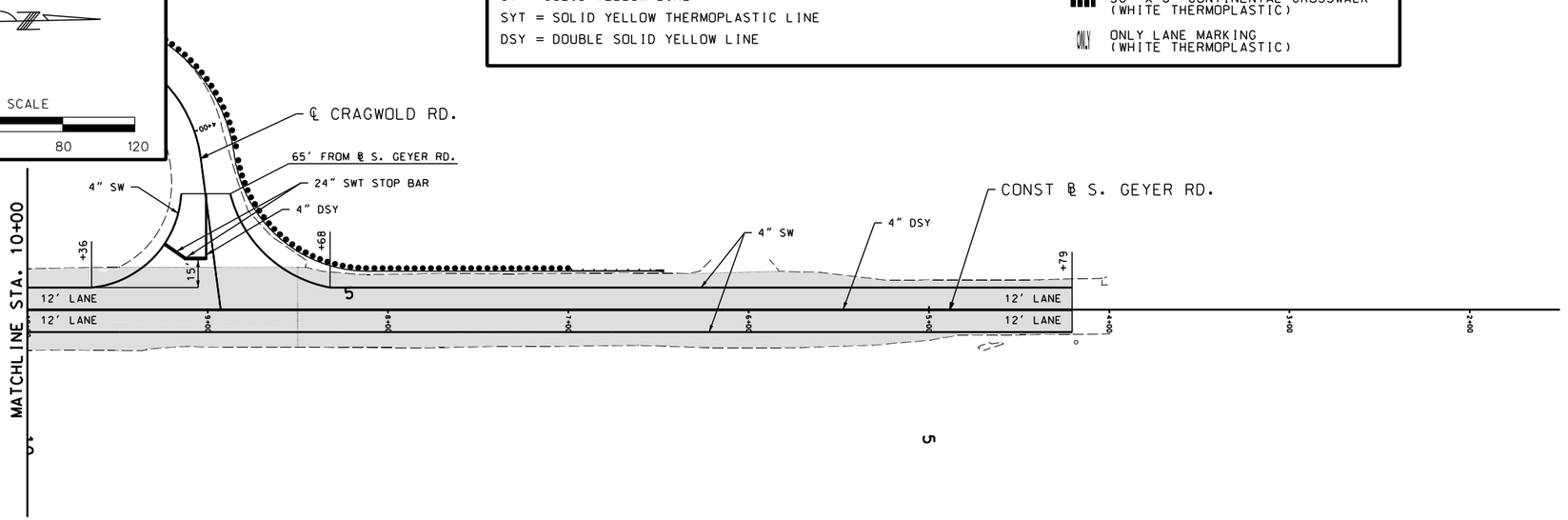
SCALE

0 40 80 120



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STATE OF MISSOURI
JASON LAWRENCE C. JARQUIO
NUMBER PE-2021011939
PROFESSIONAL ENGINEER

07/26/2024 3:22:45 PM
Jason Lawrence C. Jarquio
Civil MO PE-2021011939

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	501

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr., Ste 300
Chesterfield, Missouri 63017
636.240.2444
www.gbateam.com
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

JASON L. JARQUIO
PROFESSIONAL ENGINEER
PE-2021011939

REV.

SHEET 18 OF 18

PAVEMENT MARKING SHEET

GEYER ROAD

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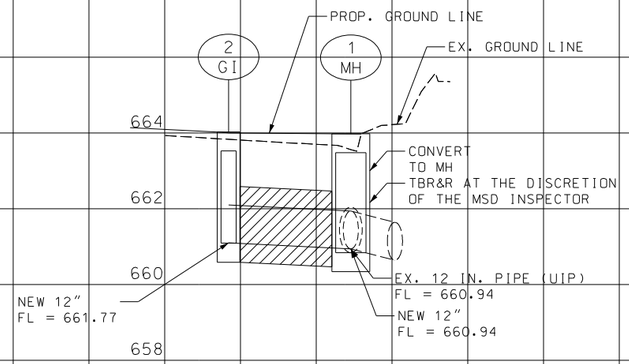
GI 2
GRATE INLET 2 x 2
MO 366
STA 2039+42.75
OFF. 34.50' LT
TOP = 664.03
CLASS 3 EXC.= 3.9 CY
BACKFILL = 2.2 CY

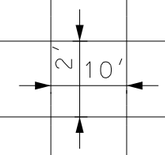
MH 1
EX. INLET
(CONVERT TO MH)
NO MSD#
MO 366
STA 2039+42.23
OFF. 50.62' LT
TOP = 664.02
CLASS 3 EXC. = 6.6 CY
BACKFILL = 5.1 CY



16.2 FT
12 IN. PIPE GROUP A
MODOT
S = 1.00%
CLASS 3 EXC. = 4.5 CY
BACKFILL = 2.8 CY

LEGEND:

- CLASS 3 EXCAVATION



NOTES:
1. UNLESS OTHERWISE LABELED, PROP. GROUND TO MATCH EXIST. GROUND
2. GRANULAR BACKFILL IS CONSIDERED INCIDENTAL AND QUANTIFIED FOR INFORMATION PURPOSES ONLY.

PARTIAL REMOVAL OR CONVERSION OF A STRUCTURE:
THE PARTIAL REMOVAL, REPLACEMENT, AND CONVERSION OF THE EXISTING STRUCTURE(S) WILL BE DETERMINED BY THE MSD FIELD INSPECTOR. IF THE STRUCTURE IS DETERMINED TO REMAIN IN PLACE, AND THE TOP SECTION CAN BE CONVERTED AS PURPOSED, AND STILL MEET MSD STANDARDS THEN CONVERT AND ADJUST TO GRADE. OTHERWISE THE ENTIRE STRUCTURE WILL BE REMOVED AND REPLACED WITH A NEW STRUCTURE.

STRUCTURE TOP ELEVATIONS ARE ESTIMATED. CONTRACTOR TO FIELD VERIFY ELEVATIONS AND ADJUST STRUCTURES TO GRADE.

REMOVE REPLACE OR REHAB NOTE:
THE REMOVAL AND REPLACEMENT, OR REHABILITATION OF THE EXISTING STRUCTURE WILL BE DETERMINED BY THE MSD FIELD INSPECTOR. IF THE STRUCTURE IS DETERMINED TO REMAIN IN PLACE, THEN THE TOP SHALL BE ADJUSTED TO GRADE, IF NEEDED.

SEWERS AT GRADES OF 1% OR LESS:
FOR SEWER PIPE (STORM, SANITARY, AND COMBINED) WITH A DESIGN GRADE LESS THAN ONE PERCENT (1%), VERIFICATION OF THE PIPE GRADE WILL BE REQUIRED FOR EACH INSTALLED REACH OF SEWER, PRIOR TO ANY SURFACE RESTORATION OR INSTALLATION OF ANY SURFACE IMPROVEMENTS. THE CONTRACTOR'S FIELD SUPERVISOR WILL BE REQUIRED TO PROVIDE DAILT DOCUMENTATION VERIFYING THAT THE AS-BUILT PIPE GRADE MEETS THE DESIGN GRADE THROUGH THE SUBMITTAL OF SIGNED CUT SHEETS TO THE MSD INSPECTOR UPON REQUEST.

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
07/29/2024 8:10:14 AM
Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED
7/26/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	502

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

REV.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 Swingley Ridge Dr., Ste 300
Chesterfield, Missouri 63017
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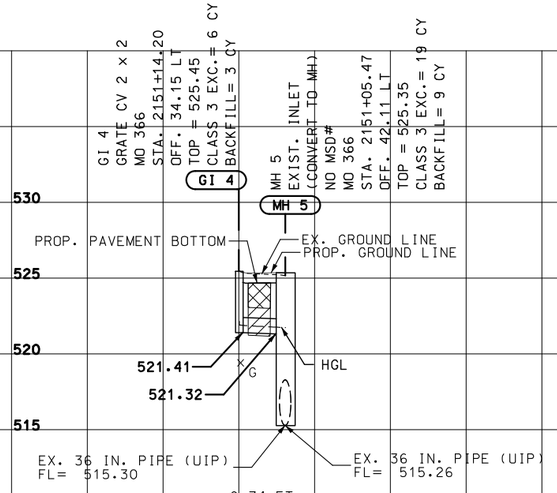
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

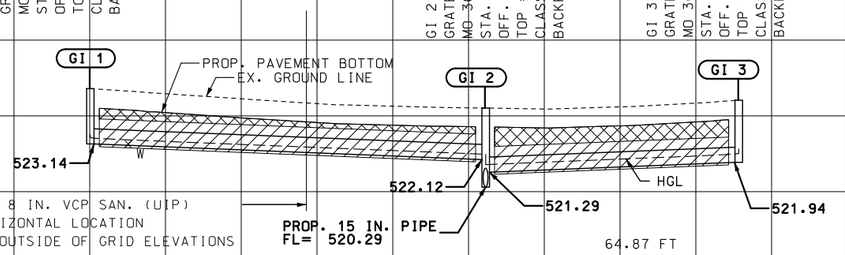
BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

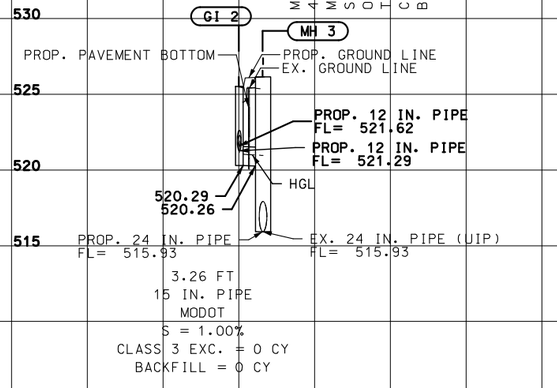
SHEET 1 OF 9

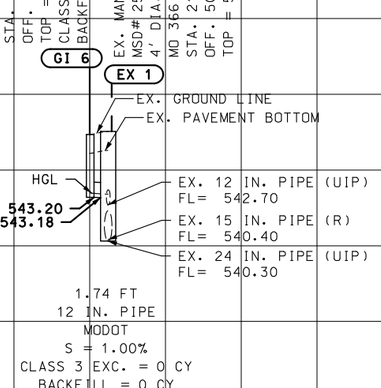
CULVERT SECTIONS

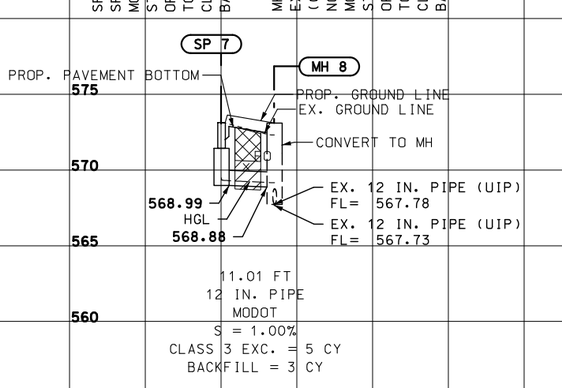
ROUTE 366
WATSON ROAD











EXIST. PIPE FLOWLINE ESTIMATED BASED ON BOX CULVERT BOTTOM. CONTRACTOR TO FIELD VERIFY.

REMOVE REPLACE OR REHAB NOTE:
THE REMOVAL AND REPLACEMENT, OR REHABILITATION OF THE EXISTING STRUCTURE WILL BE DETERMINED BY THE MSD FIELD INSPECTOR. IF THE STRUCTURE IS DETERMINED TO REMAIN IN PLACE, THEN THE TOP SHALL BE ADJUSTED TO GRADE, IF NEEDED.

SEWERS AT GRADES OF 1% OR LESS:
FOR SEWER PIPE (STORM, SANITARY, AND COMBINED) WITH A DESIGN GRADE LESS THAN ONE PERCENT (1%), VERIFICATION OF THE PIPE GRADE WILL BE REQUIRED FOR EACH INSTALLED REACH OF SEWER, PRIOR TO ANY SURFACE RESTORATION OR INSTALLATION OF ANY SURFACE IMPROVEMENTS. THE CONTRACTOR'S FIELD SUPERVISOR WILL BE REQUIRED TO PROVIDE DAILY DOCUMENTATION VERIFYING THAT THE AS-BUILT PIPE GRADE MEETS THE DESIGN GRADE THROUGH THE SUBMITTAL OF SIGNED CUT SHEETS TO THE MSD INSPECTOR UPON REQUEST.

PARTIAL REMOVAL OR CONVERSION OF A STRUCTURE:
THE PARTIAL REMOVAL, REPLACEMENT, AND CONVERSION OF THE EXISTING STRUCTURE(S) WILL BE DETERMINED BY THE MSD FIELD INSPECTOR. IF THE STRUCTURE IS DETERMINED TO REMAIN IN PLACE, AND THE TOP SECTION CAN BE CONVERTED AS PROPOSED, AND STILL MEET MSD STANDARDS THEN CONVERT AND ADJUST TO GRADE. OTHERWISE THE ENTIRE STRUCTURE WILL BE REMOVED AND REPLACED WITH A NEW STRUCTURE.

LEGEND:

- CLASS 3 EXCAVATION
- GRANULAR BACKFILL

5'
1'

GENERAL NOTES:
1. STRUCTURE TOP ELEVATIONS ARE ESTIMATED. CONTRACTOR TO FIELD VERIFY ELEVATIONS AND ADJUST STRUCTURES TO GRADE.
2. UTILITY DEPTHS ARE ESTIMATED. CONTRACTOR TO VERIFY WITH UTILITY COMPANIES.

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STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

07/30/2024 9:37:40 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	503

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

SHEET 2 OF 9

CULVERT SECTIONS

ROUTE 366
WATSON ROAD

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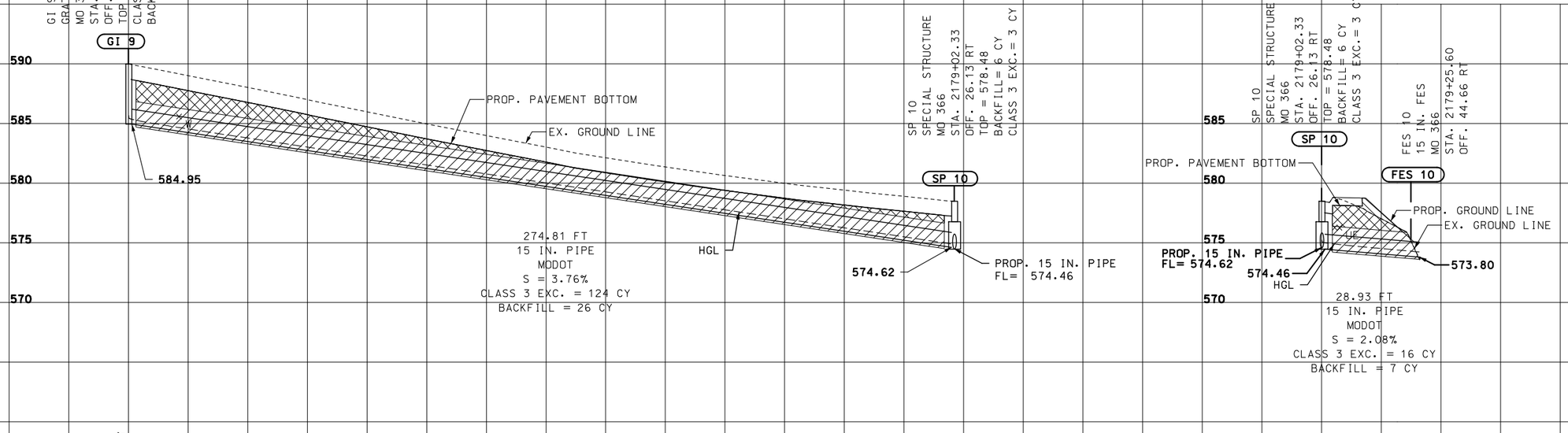

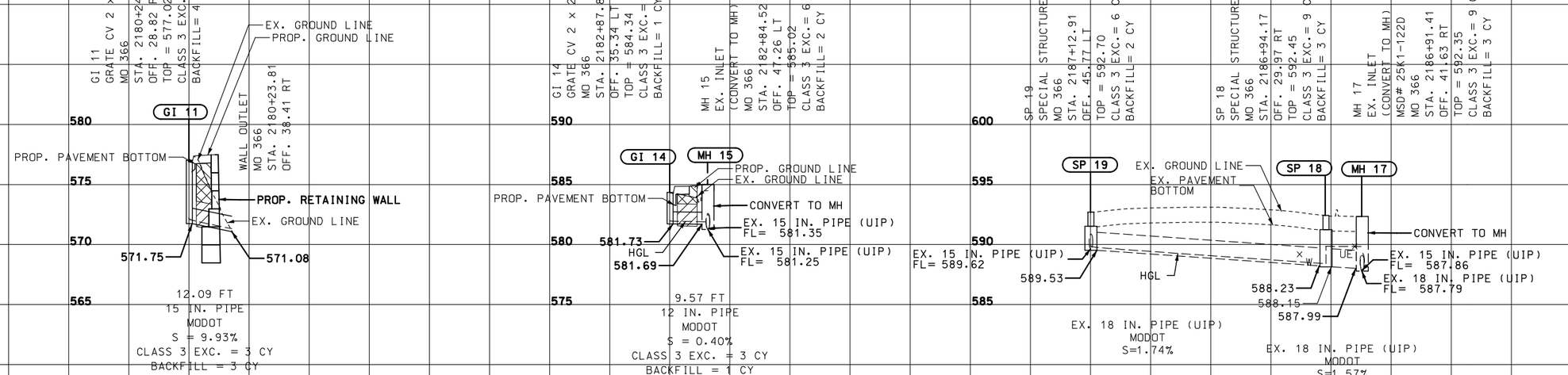

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SEWERS AT GRADES OF 1% OR LESS:
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LEGEND:
- CLASS 3 EXCAVATION
- GRANULAR BACKFILL

5'
1'

GENERAL NOTES:
1. STRUCTURE TOP ELEVATIONS ARE ESTIMATED. CONTRACTOR TO FIELD VERIFY ELEVATIONS AND ADJUST STRUCTURES TO GRADE.
2. UTILITY DEPTHS ARE ESTIMATED. CONTRACTOR TO VERIFY WITH UTILITY COMPANIES.

SHEET 3 OF 9

CULVERT SECTIONS

ROUTE 366
WATSON ROAD

JENNIFER L. HUBER
NUMBER
PE-2022000257
STATE OF MISSOURI
PROFESSIONAL ENGINEER
07/30/2024 9:37:20 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	504

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
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ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
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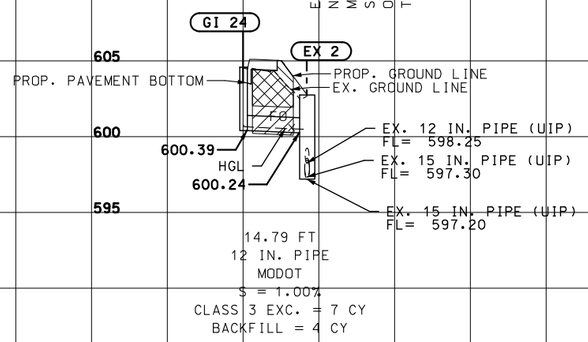
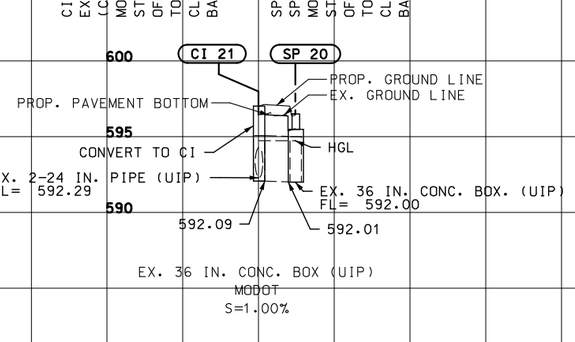
GI 24
GRATE CV 2 x 2
MO 366
STA. 2189+98.43
OFF. 35.86 LT
TOP = 604.59
CLASS 3 EXC.= 6 CY
BACKFILL= 3 CY

EX. INLET (R&R)
NO MSD#
MO 366
STA. 2189+90.35
OFF. 50.26 LT
TOP = 602.75



CI 21
EX. INLET
(CONVERT TO CI)
MO 366
STA. 2188+23.58
OFF. 47.09 LT
TOP = 597.01
CLASS 3 EXC.= 10 CY
BACKFILL= 4 CY

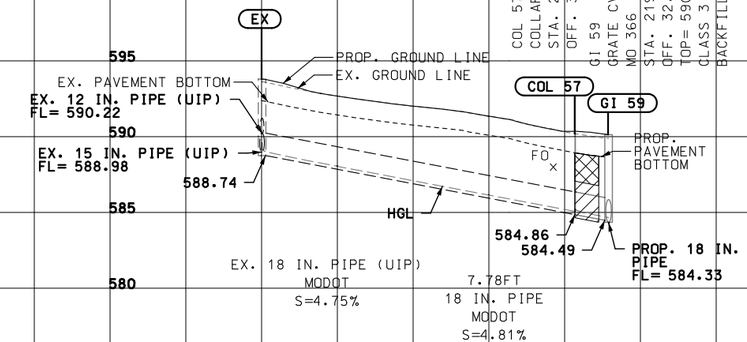
SP 20
SPECIAL STRUCTURE
MO 366
STA. 2188+23.71
OFF. 37.42 LT
TOP = 596.50
CLASS 3 EXC.= 9 CY
BACKFILL= 3 CY



EX. INLET (ATG)
MSD# 25K1-094D
STA. 2198+35.18
OFF. 32.68' RT
TOP= 593.80

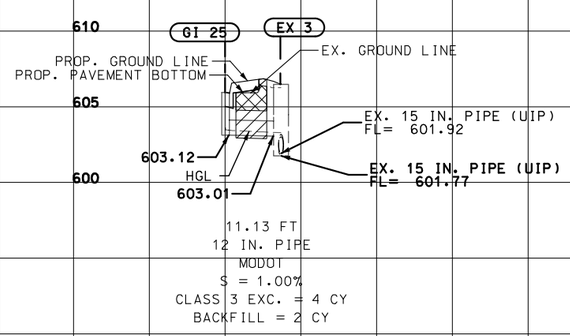
COL 57
COLLAR TYPE C
STA. 2199+20.45
OFF. 33.11' RT

GI 59
GRATE CV 2 x 2
MO 366
STA. 2199+26.49
OFF. 32.76' RT
TOP= 590.14
CLASS 3 EXC.= 8 CY
BACKFILL= 4 CY



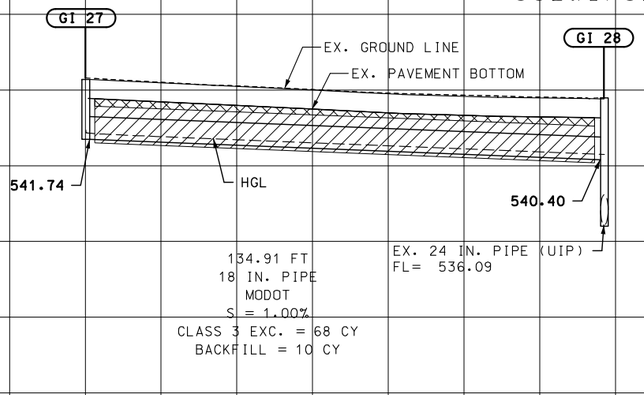
GI 25
GRATE CV 2 x 2
MO 366
STA. 2190+29.19
OFF. 25.28 RT
TOP = 605.95
CLASS 3 EXC.= 4 CY
BACKFILL= 1 CY

EX. INLET (R&R)
MSD# 25K1-112D
MO 366
STA. 2190+34.39
OFF. 38.22 RT
TOP = 606.47



GI 27
GRATE CV 2 x 2
MO 366
STA. 2224+91.41
OFF. 27.83 RT
TOP = 545.70
CLASS 3 EXC.= 6 CY
BACKFILL= 3 CY

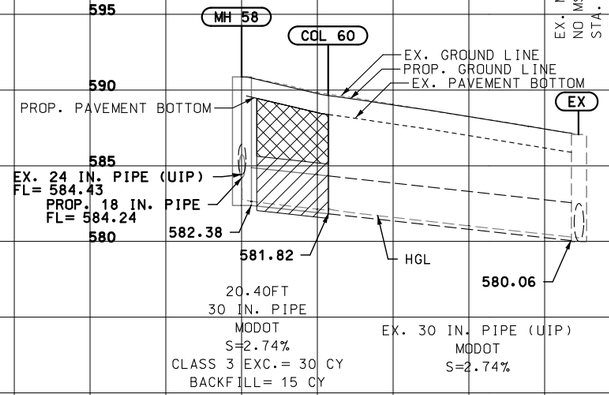
GI 28
GRATE CV 2 x 2
MO 366
STA. 2226+28.32
OFF. 27.15 RT
TOP = 544.49
CLASS 3 EXC.= 6 CY
BACKFILL= 3 CY



MH 58
5' DIA. MH
STA. 2199+23.43
OFF. 44.07' RT
TOP = 590.86
CLASS 3 EXC.= 21 CY
BACKFILL= 7 CY

COL 60
COLLAR TYPE C
STA. 2199+19.14
OFF. 33.1' RT

EX. MH (ATG)
NO MSD#
STA. 2200+35.23
OFF. 32.7' RT
TOP= 587.06



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LEGEND:
- CLASS 3 EXCAVATION
- GRANULAR BACKFILL

5'
1'

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SHEET 4 OF 9

CULVERT SECTIONS

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER
07/30/2024 9:37:40 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	505

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ENGINEERING CORPORATION - 000631

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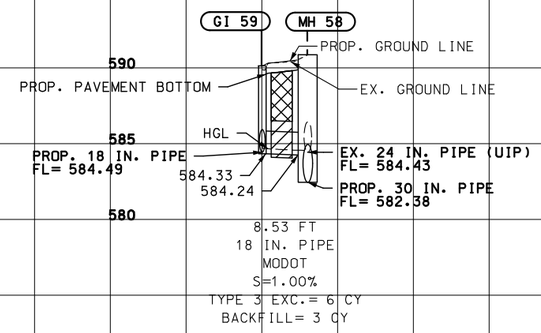

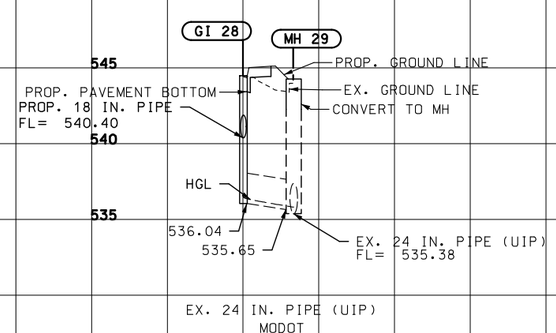

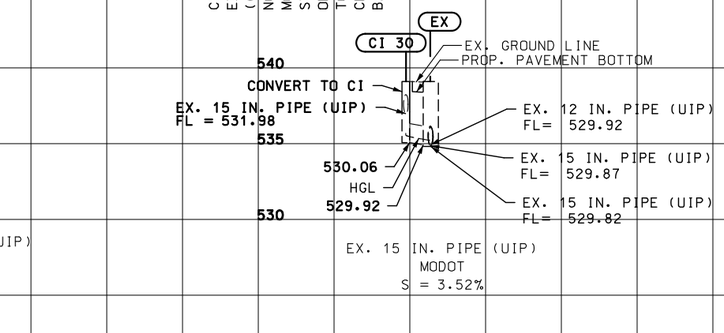

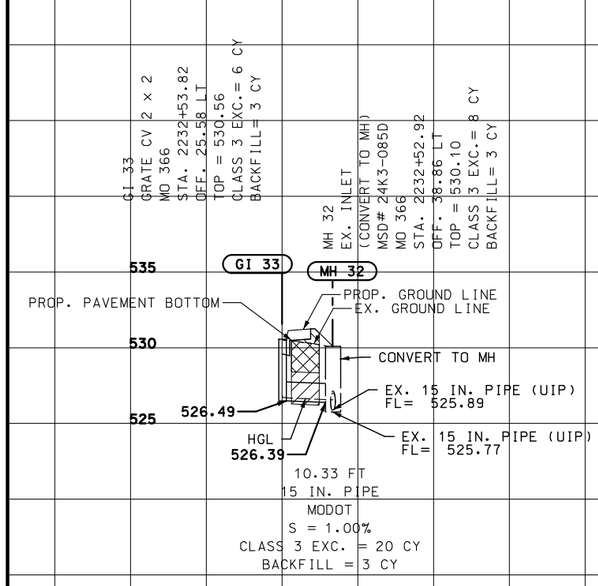

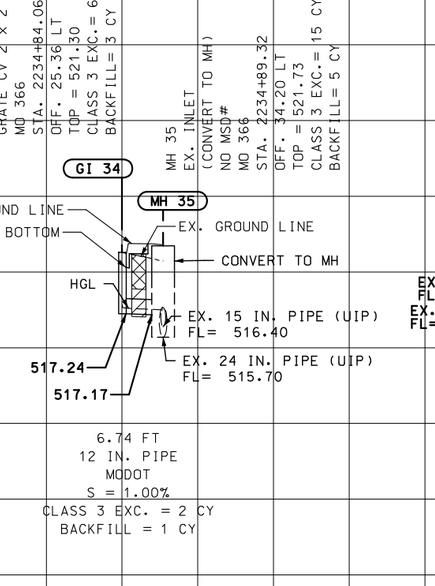

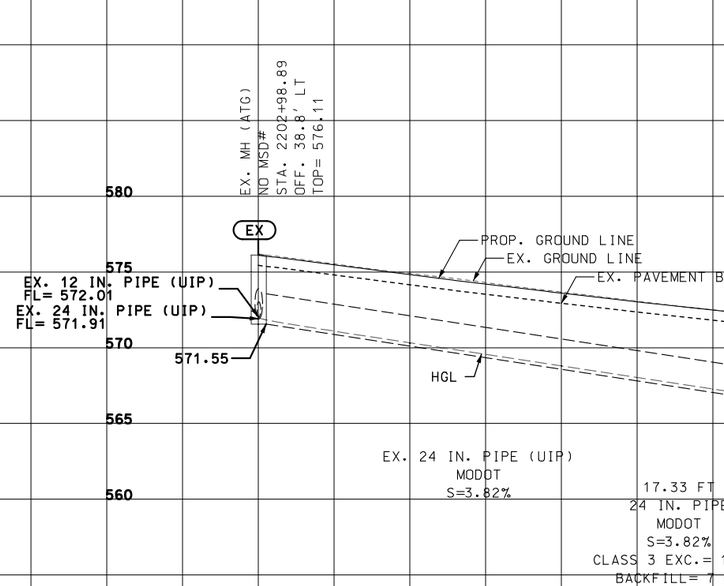

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LEGEND:
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- GRANULAR BACKFILL

5'
1'

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SHEET 5 OF 9

CULVERT SECTIONS

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER
07/30/2024 9:37:40 AM
Jennifer Huber - Civil
MO PE-2022000257
DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	506

COUNTY
ST. LOUIS
JOB NO.
J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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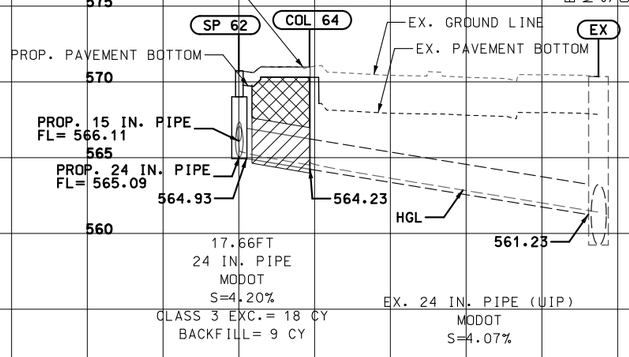
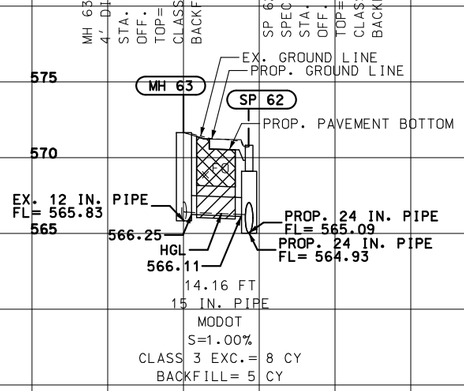
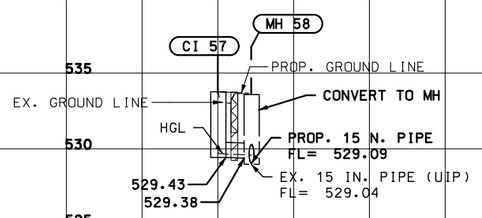




CI 57
SINGLE CURB INLET
MO 366
STA. 2248+17.84
OFF. 29.17 RT
TOP = 533.76
CLASS 3 EXC.= 9 CY
BACKFILL= 3 CY

MH 58
EX. INLET
(CONVERT TO MH)
MSD# 24K3-157D
MO 366
STA. 2284+24.43
OFF. 32.66 RT
TOP = 533.57
CLASS 3 EXC.= 9 CY
BACKFILL= 3 CY



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LEGEND:
- CLASS 3 EXCAVATION
- GRANULAR BACKFILL

5'
1'

GENERAL NOTES:
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SHEET 6 OF 9

CULVERT SECTIONS

ROUTE 366
WATSON ROAD

STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER
07/30/2024 9:37:41 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	507

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION	REV.

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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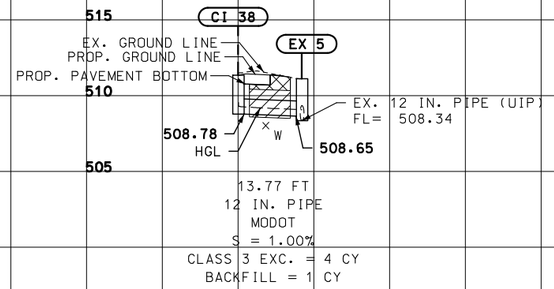

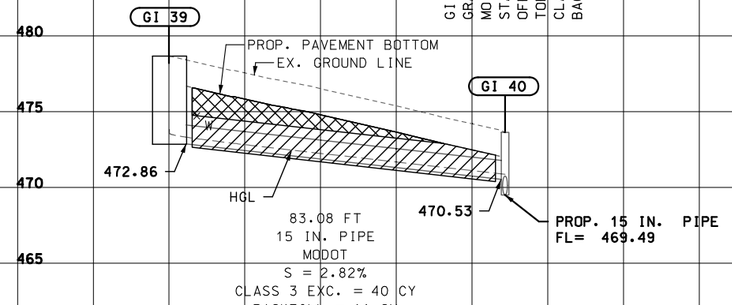

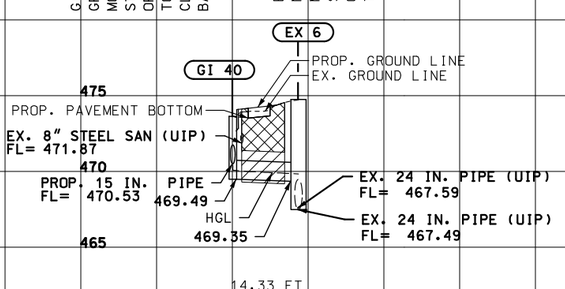

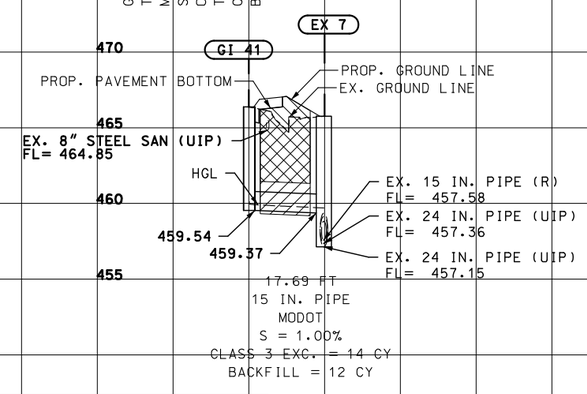

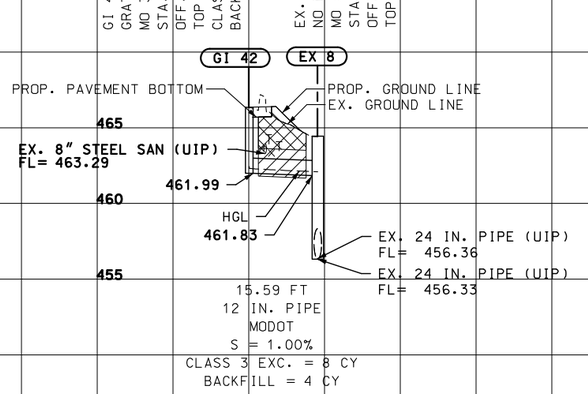

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- GRANULAR BACKFILL

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SHEET 7 OF 9

CULVERT SECTIONS

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WATSON ROAD

STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

07/30/2024 9:37:41 AM
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REV.

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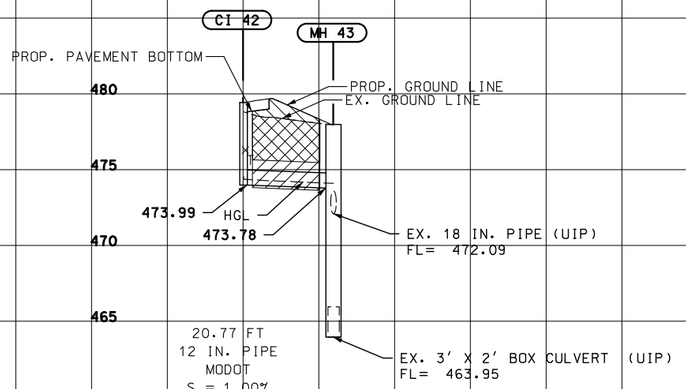
CI 42
GRATE CV 2 x 2
MO 366
STA. 2276+24.99
OFF. 28.45 RT
TOP = 479.44
CLASS 3 EXC.= 10 CY
BACKFILL= 4 CY

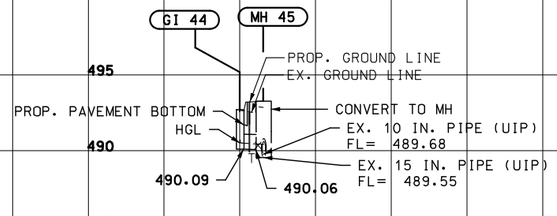
MH 43
4' DIA. MH
MO 366
STA. 2276+29.33
OFF. 37.74 RT
TOP = 477.98
CLASS 3 EXC.= 27 CY
BACKFILL= 13 CY



20.77 FT
12 IN. PIPE
MODOT
S = 1.00%
CLASS 3 EXC. = 13 CY
BACKFILL = 10 CY

GI 44
GRATE CV 2 x 2
MO 366
STA. 2279+21.16
OFF. 26.07 RT
TOP = 492.69
CLASS 3 EXC.= 4 CY
BACKFILL= 1 CY

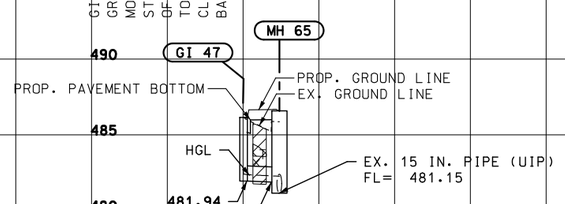
MH 45
EX. INLET
(CONVERT TO MH)
NO MSD#
MO 366
STA. 2279+21.89
OFF. 32.11 RT
TOP = 493.26
CLASS 3 EXC.= 7 CY
BACKFILL= 2 CY



3.21 FT
12 IN. PIPE
MODOT
S = 1.00%
CLASS 3 EXC. = 0 CY
BACKFILL = 0 CY

GI 47
GRATE CV 2 x 2
MO 366
STA. 2279+85.46
OFF. 28.19 RT
TOP = 486.15
CLASS 3 EXC.= 6 CY
BACKFILL= 3 CY

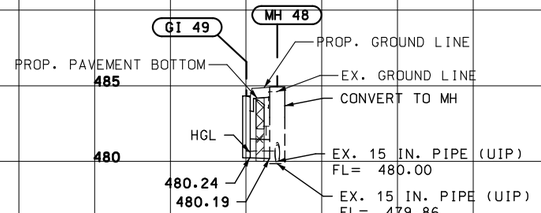
MH 65
EX. INLET
(CONVERT TO MH)
NO MSD#
MO 366
STA. 2291+86.53
OFF. 37.58 RT
TOP = 486.57
CLASS 3 EXC.= 9 CY
BACKFILL= 4 CY



6.47 FT
12 IN. PIPE
MODOT
S = 1.00%
CLASS 3 EXC. = 2 CY
BACKFILL = 0 CY

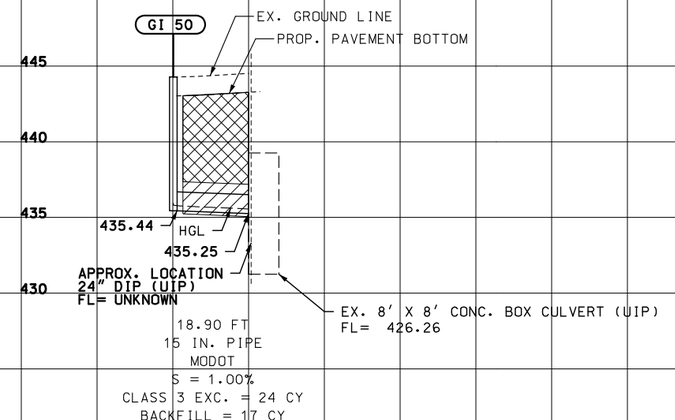
GI 49
GRATE CV 2 x 2
MO 366
STA. 2293+15.11
OFF. 28.37 RT
TOP = 484.34
CLASS 3 EXC.= 6 CY
BACKFILL= 3 CY

MH 48
EX. INLET
(CONVERT TO MH)
NO MSD#
MO 366
STA. 2293+14.87
OFF. 36.49 RT
TOP = 484.93
CLASS 3 EXC.= 10 CY
BACKFILL= 4 CY



5.13 FT
15 IN. PIPE
MODOT
S = 1.00%
CLASS 3 EXC. = 1 CY
BACKFILL = 1 CY

GI 50
GRATE CV 2 x 2
MO 366
STA. 2306+04.07
OFF. 22.32 LT
TOP = 444.28
CLASS 3 EXC.= 12 CY
BACKFILL= 7 CY



18.90 FT
15 IN. PIPE
MODOT
S = 1.00%
CLASS 3 EXC. = 24 CY
BACKFILL = 17 CY

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SEWERS AT GRADES OF 1% OR LESS:
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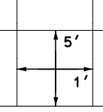

LEGEND:
- CLASS 3 EXCAVATION
- GRANULAR BACKFILL

GENERAL NOTES:
1. STRUCTURE TOP ELEVATIONS ARE ESTIMATED. CONTRACTOR TO FIELD VERIFY ELEVATIONS AND ADJUST STRUCTURES TO GRADE.
2. UTILITY DEPTHS ARE ESTIMATED. CONTRACTOR TO VERIFY WITH UTILITY COMPANIES.

CULVERT SECTIONS

ROUTE 366
WATSON ROAD

JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER
STATE OF MISSOURI
07/30/2024 9:37:41 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	509

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION | DATE

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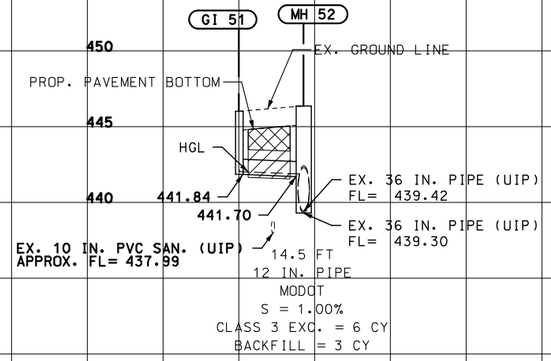

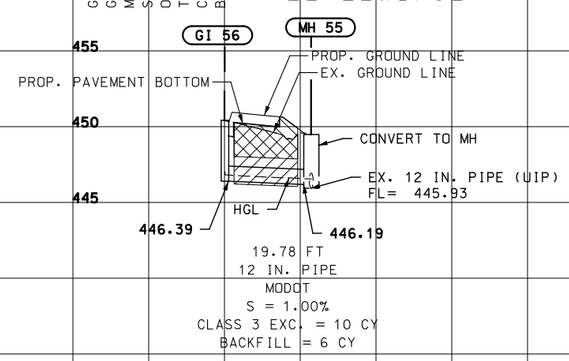

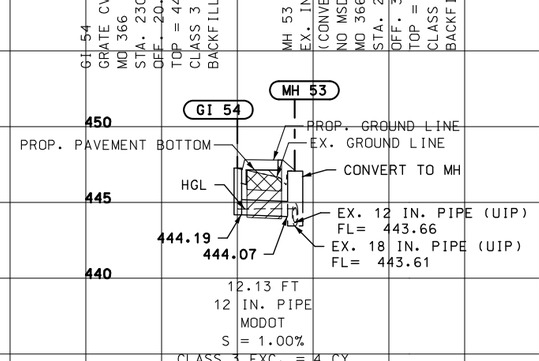

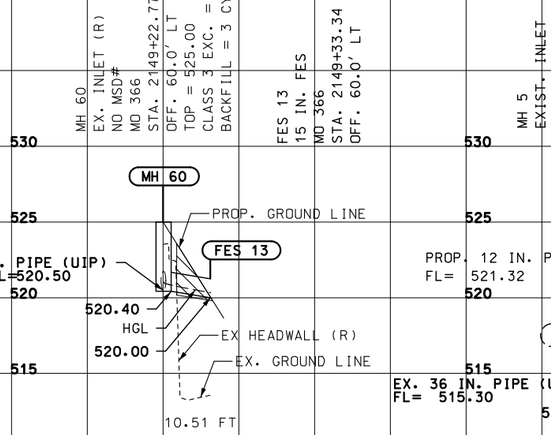

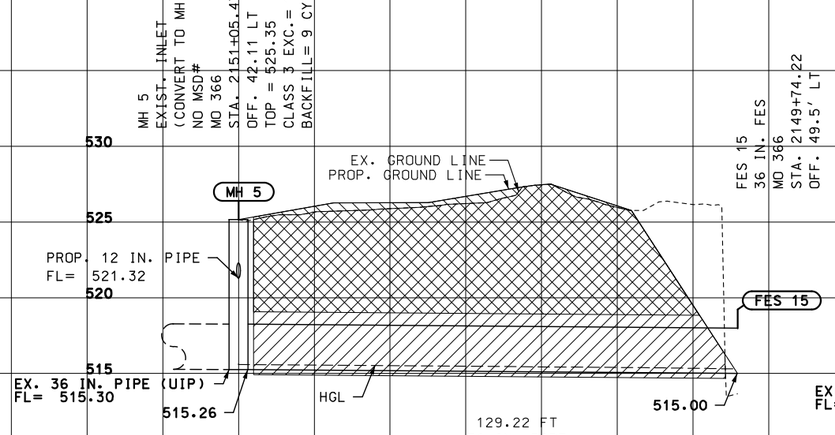

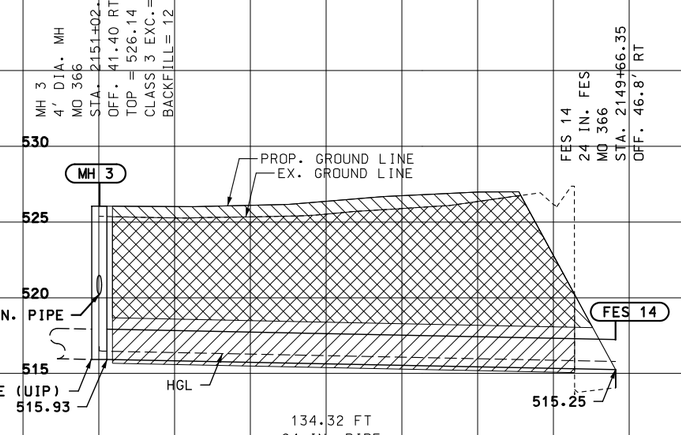

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NOTE: STRUCTURE TOP ELEVATIONS ARE ESTIMATED. CONTRACTOR TO FIELD VERIFY ELEVATIONS AND ADJUST STRUCTURES TO GRADE.

LEGEND:
- CLASS 3 EXCAVATION
- GRANULAR BACKFILL

5'
1'

EXIST. PIPE FLOWLINE ESTIMATED BASED ON BOX CULVERT BOTTOM. CONTRACTOR TO FIELD VERIFY.

SHEET 9 OF 9

CULVERT SECTIONS

ROUTE 366
WATSON ROAD

JENNIFER L. HUBER
NUMBER PE-2022000257
STATE OF MISSOURI
PROFESSIONAL ENGINEER
07/30/2024 9:37:41 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
7/25/2024

MO ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
SL	510

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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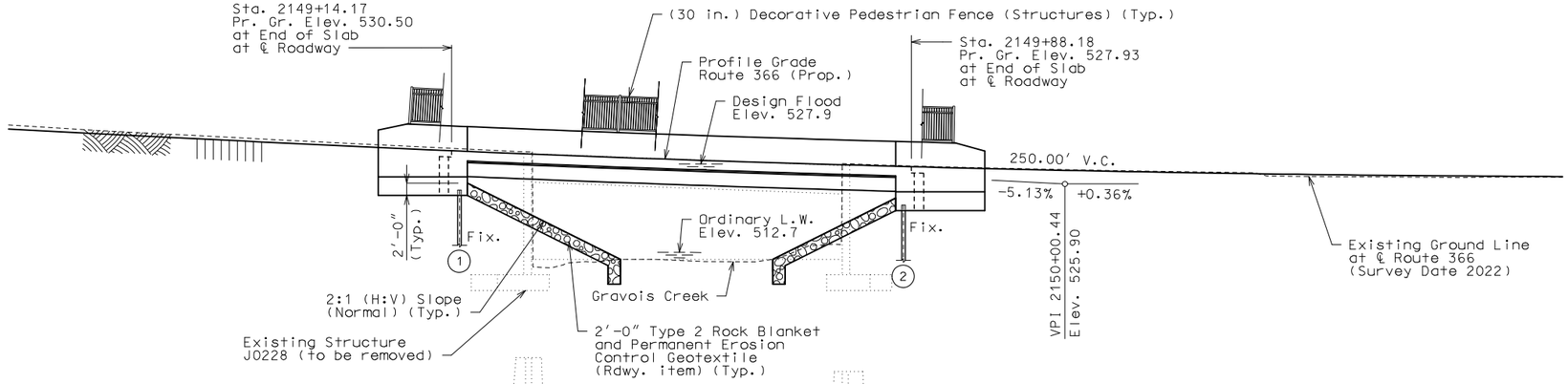
SEC./SUR. 1936 TWP. 44N RGE. 6E

(71.5′) PRESTRESSED CONCRETE SPREAD BOX BEAM SPAN



GENERAL ELEVATION

General Notes:

Median not shown in General Elevation for clarity.

Longitudinal dimensions are measured horizonal.

For General Notes, Estimated Quantities and Foundation Data, see Sheet No. 2.

For Staging Plans, see Sheets No. 3 & 4.

For Substructure Layout, see Sheet No. 5.

All Bents are parallel.

Notes:

Existing roadway fill under the ends of the bridge shall be removed as shown. Removal of existing roadway fill will be considered completely covered by the contract unit price for roadway excavation.

Roadway fill shall be completed to the final roadway section and up to the elevation of the bottom of the concrete beam within the limits of the structure and for not less than 25 feet in back of the fill face of the end bents before any piles are driven for any bents falling within the embankment section.

◓ Indicates location of borings.

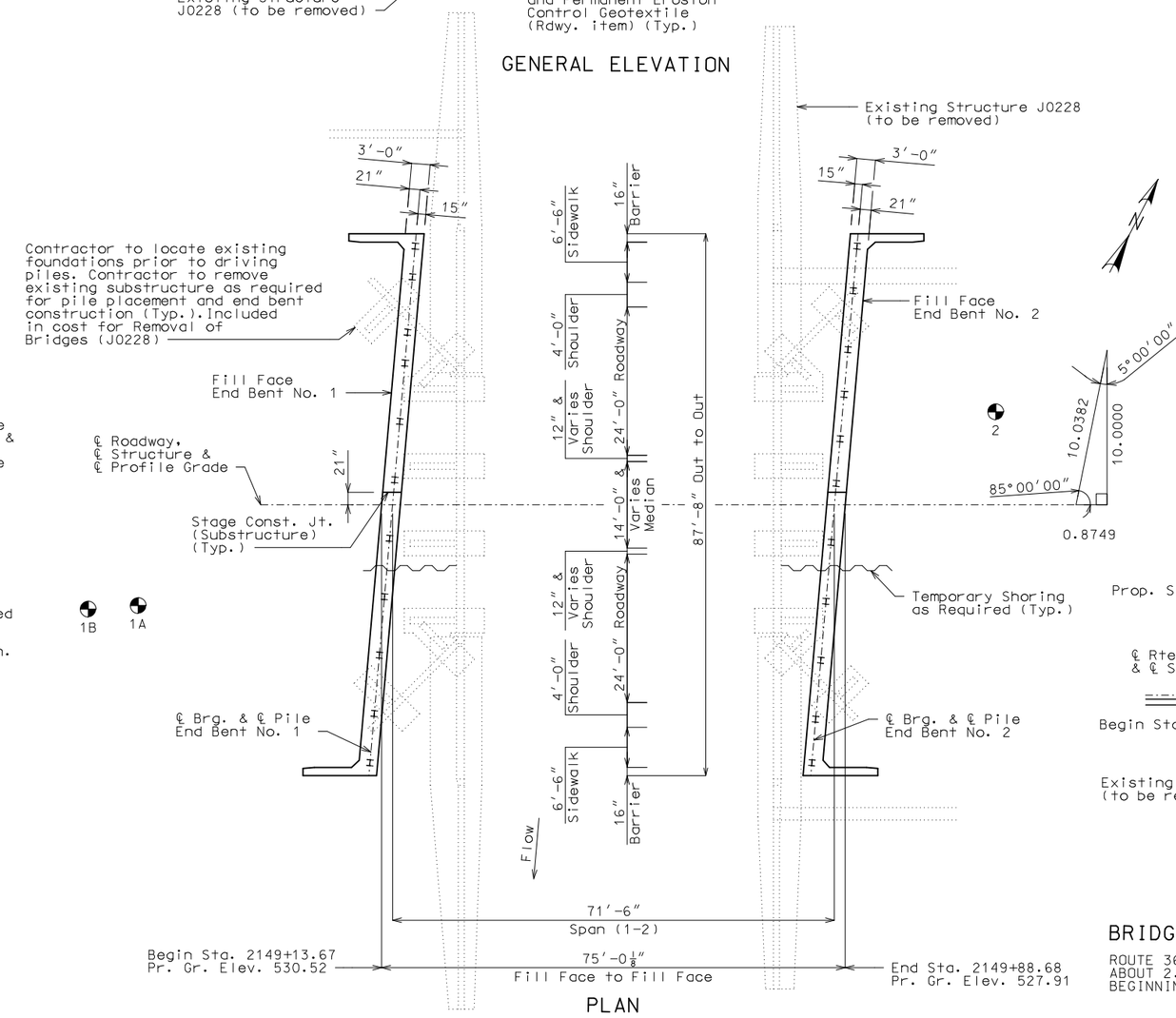
Notice and Disclaimer Regarding Boring Log Data

The locations of all subsurface borings for this structure are shown on the plan sheet(s) for this structure. The boring data for all locations indicated, as well as any other boring logs or other factual records of subsurface data and investigations performed by the department for the design of the project, are shown on Sheets No. 28 & 29 and may be included in the Electronic Bridge Deliverables. They will also be available from the Project Contact upon written request. No greater significance or weight should be given to the boring data depicted on the plan sheets than is given to the subsurface data available from the district or elsewhere.

The Commission does not represent or warrant that any such boring data accurately depicts the conditions to be encountered in constructing this project. A contractor assumes all risks it may encounter in basing its bid prices, time or schedule of performance on the boring data depicted here or those available from the district, or on any other documentation not expressly warranted, which the contractor may obtain from the Commision.

Hydrologic Data
Drainage Area = 5.2 mi²
Design Flood Frequency = 50 years
Design Flood Discharge = 5,900 cfs
Design Flood (D.F.) Elevation = 527.9
Base Flood (100-year)
Base Flood Elevation = 528.1
Base Flood Discharge = 6,700 cfs
Estimated Backwater = 2.6 ft
Average Velocity thru Opening = 9.0 ft/s
Freeboard (50-year)
Freeboard = 0.0 ft
Roadway Overtopping
Overtopping Flood Discharge = 5,900 cfs
Overtopping Flood Frequency = 50 years
Overtopping Flood Elevation = 527.9

Designed Dec. 2023
Detailed Dec. 2023
Checked Dec. 2023



PLAN

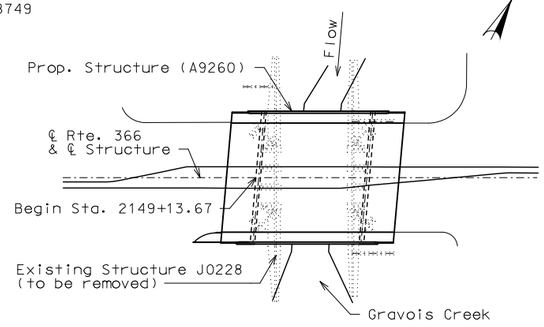
GENERAL PLAN AND ELEVATION

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 1 of 29

Control Point #116
N: 993283.051
E: 857050.285
Sta. 2148+69.97, 48.87′ LT.
Elev. 531.766
Rebar w/ cap in grass on N. side of MO 366 in front of #9109

Control Point #102
N: 994536.185
E: 857213.751
Sta. 2155+93.18, 1085.22′ LT.
Elev. 565.64
Rebar w/ cap in grass on N. side of Liggett Dr inside median on Ligget Ct 0.15 mile from Grant Rd



LOCATION SKETCH

BRIDGE: ROUTE 366 OVER GRAVOIS CREEK

ROUTE 366 FROM ROUTE 61 TO ROUTE P
ABOUT 2.0 MILES EAST OF ROUTE 61
BEGINNING STATION 2149+13.67

STATE OF MISSOURI
JOSHUA D. JOLLIFF
NUMBER PE-2006002824
PROFESSIONAL ENGINEER
02/27/2024 12:55:13 PM
Joshua D. Jolliff
MO PE-2006002824

DATE PREPARED: 2/27/2024

ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
BR	1

COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.: A9260

DESCRIPTION	DATE

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REV.

General Notes:

Design Specifications:

2020 AASHTO LRFD Bridge Design Specifications (9th Ed.)
2011 AASHTO Guide Specifications for LRFD Seismic Bridge Design (2nd Ed.)
and 2014 Interim Revisions (Seismic Details)
Seismic Design Category = B

Design Loading:

Vehicular = HL-93
Future Wearing Surface = 35 lb/sf
Earth = 120 lb/cf
Equivalent Fluid Pressure = 45 lb/cf (Min.)
Superstructure: Non-composite for dead load. Composite for live load.

Design Unit Stresses:

Class B Concrete (Substructure)	f'c = 3,000 psi
Class B-2 Concrete (Superstructure, except Prestressed Beams and Barrier)	f'c = 4,000 psi
Class B-1 Concrete (Barrier)	f'c = 4,000 psi
Reinforcing Steel (Grade 60)	fy = 60,000 psi
Structural Steel HP Pile (ASTM A709 Grade 50S)	fy = 50,000 psi

For precast prestressed panel stresses, see Sheet No. 14.

For prestressed box beam stresses, see Sheet No. 13.

Neoprene Pads:

Neoprene bearing pads shall be 60 durometer and shall be in accordance with Sec 716.

Joint Filler:

All joint filler shall be in accordance with Sec 1057 for preformed sponge rubber expansion and partition joint filler, except as noted.

Reinforcing Steel:

Minimum clearance to reinforcing steel shall be 1 1/2", unless otherwise shown.

MBS refers to mechanical bar splices. Mechanical bar splices shall be in accordance with Sec 706 or 710 except that no measurement will be made for mechanical bar splices and they will be considered completely covered by the contract unit price for other items.

Traffic Handling:

Traffic to be maintained on structures during construction. See roadway plans for traffic control and Sheets No. 3 & 4 for Staged Construction details.

Miscellaneous:

MoDOT Construction personnel will indicate the type of joint filler option used under the precast panels for this structure:

☐ Constant Joint Filler
☐ Variable Joint Filler

Estimated Quantities for Slab on Concrete Beam

Item		Total
Class B-2 Concrete	cu. yard	210
Reinforcing Steel (Epoxy Coated)	pound	41,620

Notes:

The table of Estimated Quantities for Slab on Concrete Beam represents the quantities used by the State in preparing the cost estimate for concrete slabs. The area of the concrete slab will be measured to the nearest square yard longitudinally from end of slab to end of slab and transversely from out to out of bridge slab (or with the horizontal dimensions as shown on the plan of slab). Payment for prestressed panels, conventional forms, all concrete and epoxy coated reinforcing steel will be considered completely covered by the contract unit price for the slab. Variations may be encountered in the estimated quantities but the variations cannot be used for an adjustment in the contract unit price.

Method of forming the slab shall be as shown on the plans and in accordance with Sec 703. All hardware for forming the slab to be left in place as a permanent part of the structure shall be coated in accordance with ASTM A123 or ASTM B633 with a thickness class SC 4 and a finish type I, II or III.

The Estimated Quantities for Slab on Concrete Beam are based on skewed precast prestressed end panels.

Class B-2 Concrete quantity is based on minimum top flange thickness and minimum joint material thickness.

The prestressed panel quantities are not included in the table of Estimated Quantities for Slab on Concrete Beam.

Estimated Quantities

Item		Substr.	Superstr.	Total
Class 1 Excavation	cu. yard	150		150
Temporary Shoring	lump sum			1
Removal of Bridges (J0228)	lump sum			1
Bridge Approach Slab (Major)	sq. yard		377	377
(30 in.) Decorative Pedestrian Fence (Structures)	linear foot		155	155
Galvanized Structural Steel Piles (12 in.)	linear foot	330		330
Dynamic Pile Testing	each	2		2
Pile Point Reinforcement	each	22		22
Class B Concrete (Substructure)	cu. yard	74.8		74.8
Type D Barrier	linear foot		186	186
Slab on Concrete Beam	sq. yard		721	721
Raised Median Barrier	sq. foot		1,519	1,519
Sidewalk (Bridges)	sq. foot		1,451	1,451
27 in., Prestressed Concrete Spread Box Beam	linear foot		724	724
Conduit System on Structure	lump sum		1	1
Vertical Drain at End Bents	each	2		2
Laminated Neoprene Bearing Pad (Tapered)	each		20	20

All concrete above the construction joint in the end bents is included in the Estimated Quantities for Slab on Concrete Beam.

All reinforcement in the end bents is included in the Estimated Quantities for Slab on Concrete Beam.

All concrete and reinforcing steel in sidewalk will be considered completely covered by the contract unit price for Sidewalk (Bridges).

All concrete and reinforcing steel in median will be considered completely covered by the contract unit price for Raised Median Barrier.

Cost of L4x4 ASTM A709 Grade 36 HP pile anchors and 3/4-inch diameter ASTM F3125 Grade A325 Type 1 bolts, complete in place, will be considered completely covered by the contract unit price for Galvanized Structural Steel Piles (12 in.).

Foundation Data

Type	Design Data		Bent Number 1	Bent Number 2
Load Bearing Pile	Pile Type and Size		HP 12x53	HP 12x53
	Number	ea	11	11
	Approximate Length Per Each	ft	15	15
	Pile Point Reinforcement	ea	All	All
	Min. Galvanized Penetration (Elev.)	ft	Full Length	Full Length
	Pile Driving Verification Method		DT	DT
	Resistance Factor		0.65	0.65
	Minimum Nominal Axial Compressive Resistance	kip	367	369

DT = Dynamic Testing

Load Bearing Pile:
Minimum Nominal Axial Compressive Resistance = $\frac{\text{Maximum Factored Loads}}{\text{Resistance Factor}}$

All piles shall be galvanized down to the minimum galvanized penetration (elevation).

Pile point reinforcement need not be galvanized. Shop drawings will not be required for pile point reinforcement.

HP piles are anticipated to be driven to refusal on rock. Review all borings for depth of rock and restrict driving as appropriate to comply with hard rock driving criteria in accordance with Sec 702.

ESTIMATED QUANTITIES AND GENERAL NOTES

Detailed Dec. 2023
Checked Dec. 2023

Note: This drawing is not to scale. Follow dimensions.

STATE OF MISSOURI
JOSHUA D. JOLLIFF
NUMBER PE-2006002824
REGISTERED PROFESSIONAL ENGINEER
02/27/2024 12:55:13 PM
Joshua D. Jolliff
MO PE-2006002824

DATE PREPARED: 2/27/2024
ROUTE: 366 | STATE: MO
DISTRICT: BR | SHEET NO.: 2
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.: A9260

DESCRIPTION | DATE | REV.

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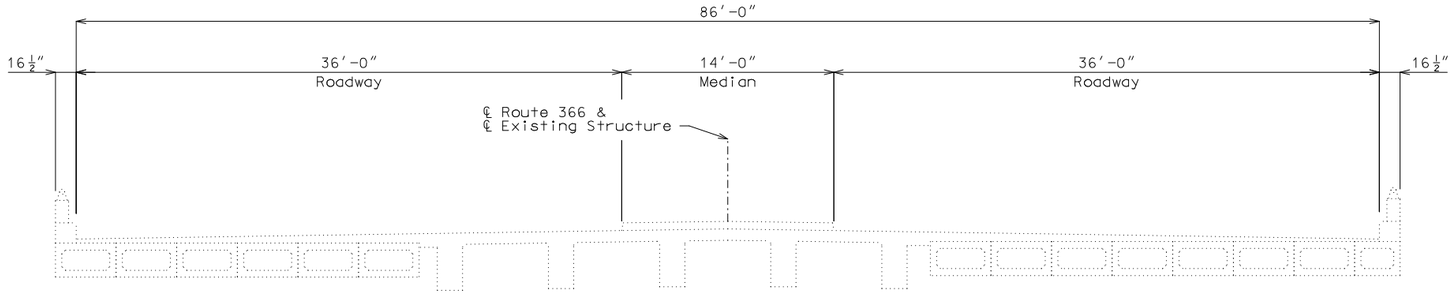
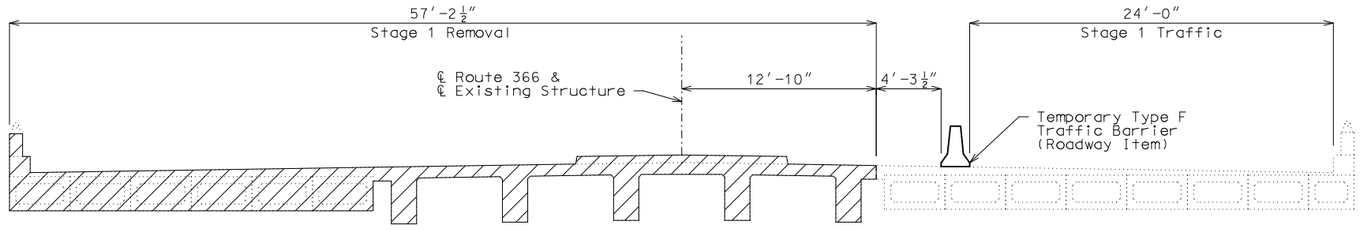
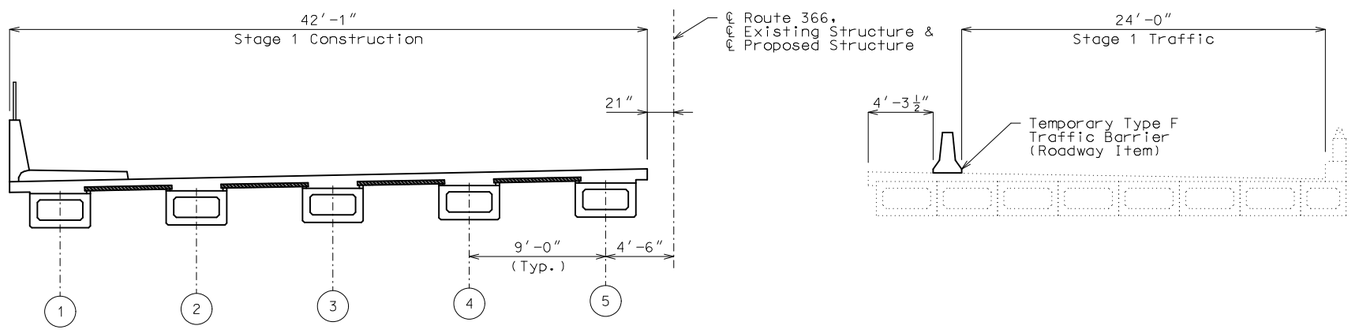


EXISTING STRUCTURE



STAGE 1 REMOVAL AND TRAFFIC



STAGE 1 CONSTRUCTION

Notes:

All cross sections are looking east.

Hatched area indicates Removal of Existing Structure.

Provide Temporary Shoring as required at stage removal line.

Temporary barrier shall not be attached to the bridge.

STAGING PLANS

Detailed Dec. 2023
Checked Dec. 2023

Note: This drawing is not to scale. Follow dimensions.

STATE OF MISSOURI
JOSHUA D. JOLLIFF
NUMBER PE-2006002824
REGISTERED PROFESSIONAL ENGINEER

02/27/2024 12:55:13 PM
Joshua D. Jolliff
MO PE-2006002824

DATE PREPARED
2/27/2024

ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
BR	3

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.
A9260

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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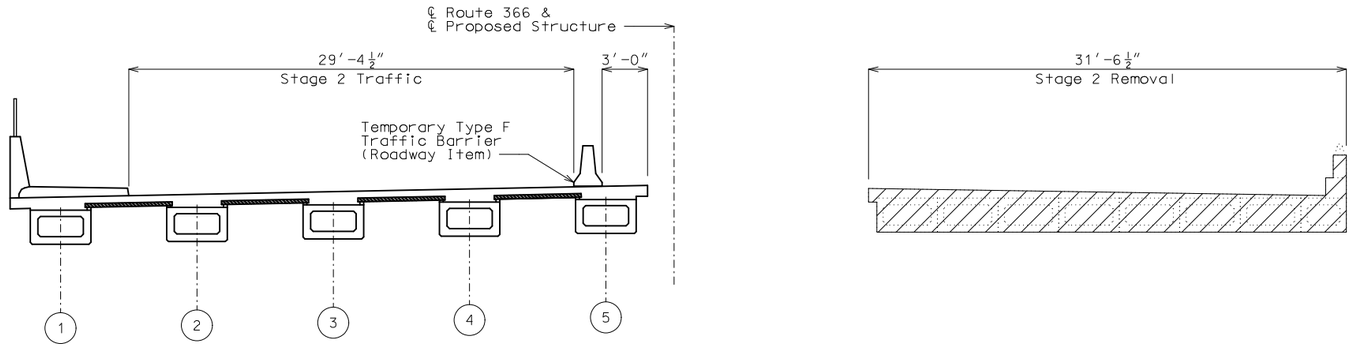
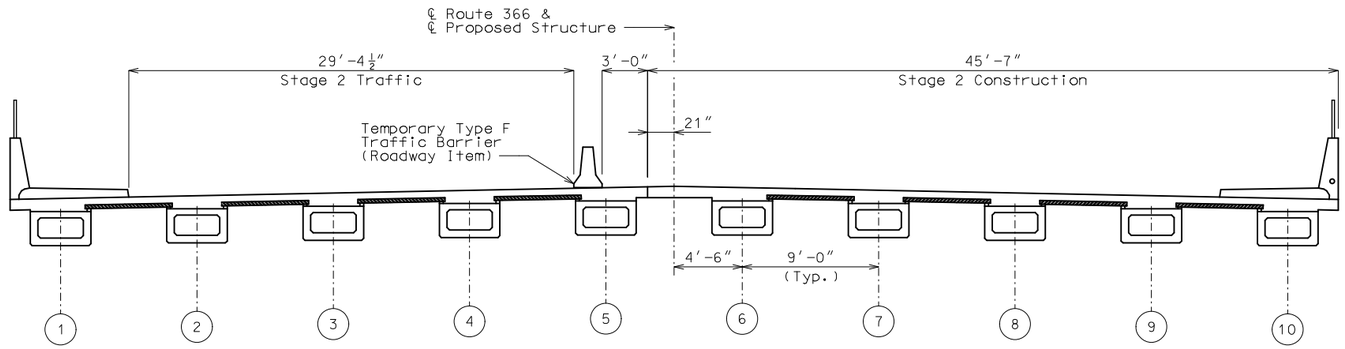
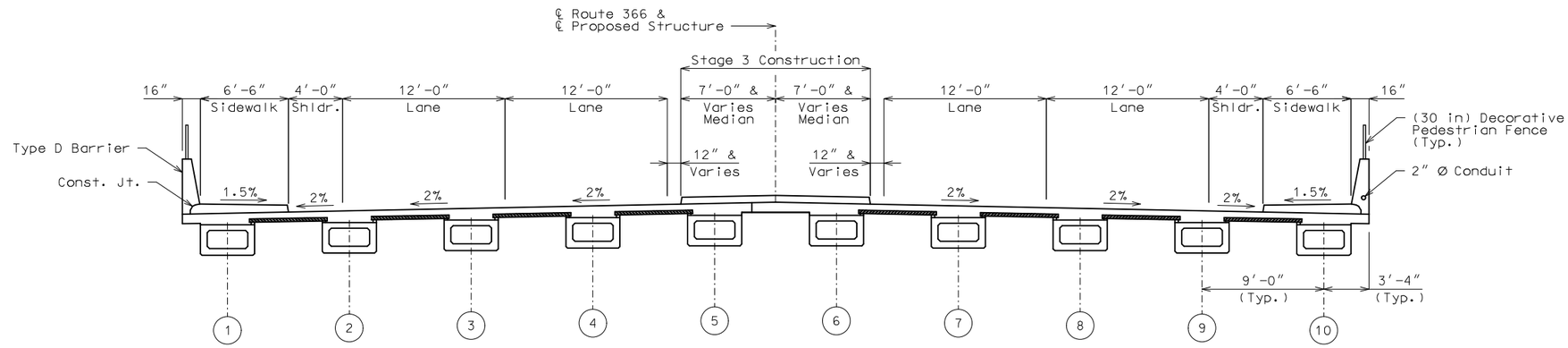


STAGE 2 REMOVAL



STAGE 2 CONSTRUCTION



STAGE 3 MEDIAN CONSTRUCTION
AND FINAL PROPOSED BRIDGE SECTION

Notes:

All cross sections are looking east.

Hatched area indicates Removal of Existing Structure.

Provide Temporary Shoring as required at stage removal line.

Temporary barrier shall not be attached to the bridge.

STAGING PLANS

Detailed Dec. 2023
Checked Dec. 2023

Note: This drawing is not to scale. Follow dimensions.

STATE OF MISSOURI
JOSHUA D. JOLLIFF
NUMBER PE-2006002824
PROFESSIONAL ENGINEER

02/27/2024 12:55:13 PM
Joshua D. Jolliff
MO PE-2006002824

DATE PREPARED
2/27/2024

ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
BR	4

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.
A9260

DESCRIPTION	DATE

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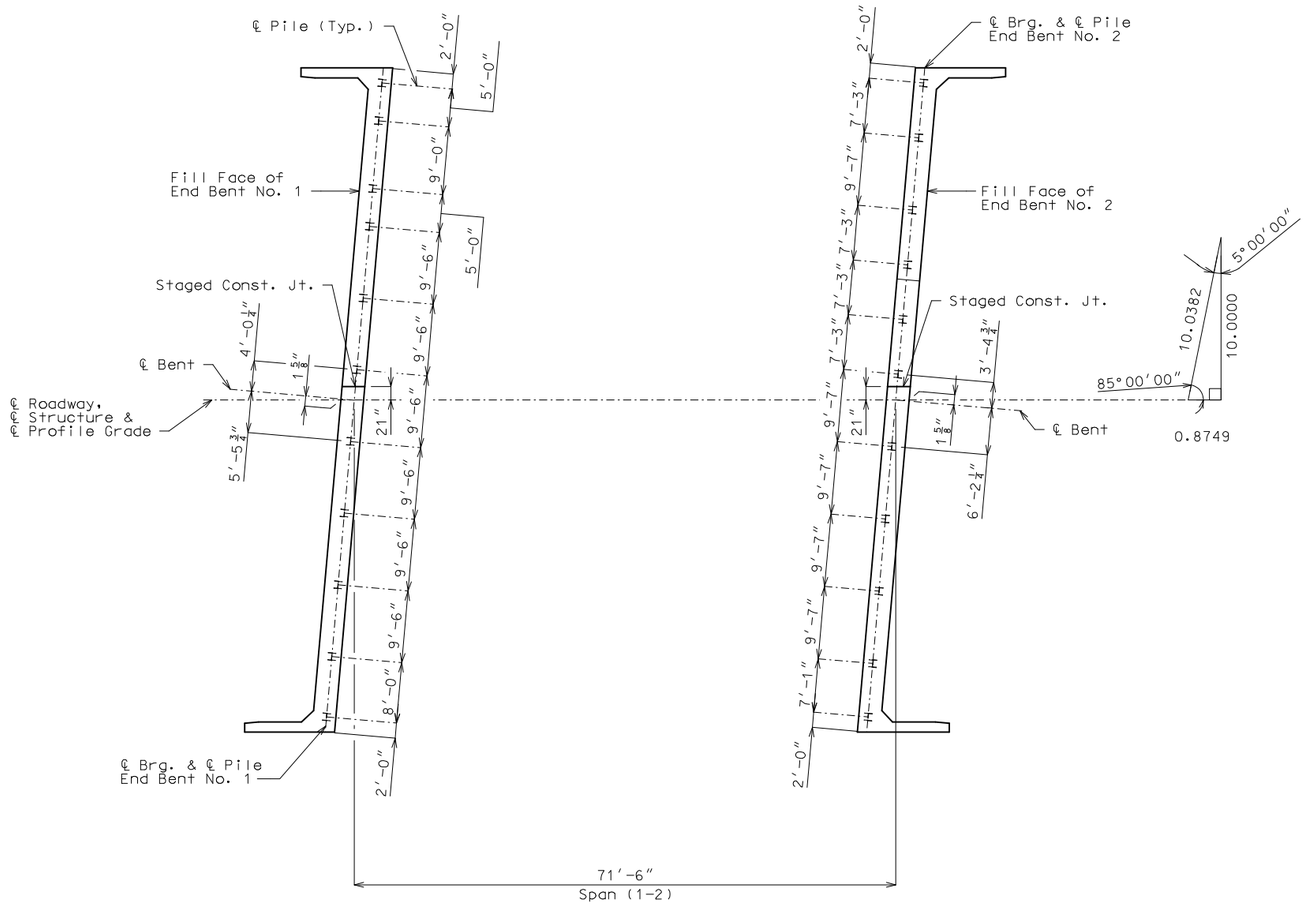

PART PLAN SHOWING PILE SPACING

General Notes:

All dimensions are measured horizonal.

For General Notes, Estimated Quantities and Foundation Data, see Sheet No. 2.

For Staging Plans, see Sheets No. 3 & 4.

For End Bent No. 1 Details, see Sheets No. 6 thru 8.

For End Bent No. 2 Details, see Sheets No. 10 thru 12.

All Bents are parallel.

SUBSTRUCTURE LAYOUT

Detailed Dec. 2023
Checked Dec. 2023

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 5 of 29

STATE OF MISSOURI
JOSHUA D. JOLLIFF
NUMBER PE-2006002824
PROFESSIONAL ENGINEER

02/27/2024 12:55:13 PM
Joshua D. Jolliff
MO PE-2006002824

DATE PREPARED	
2/27/2024	
ROUTE 366	STATE MO
DISTRICT BR	SHEET NO. 5
COUNTY ST. LOUIS	
JOB NO. J6S3582	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO. A9260	

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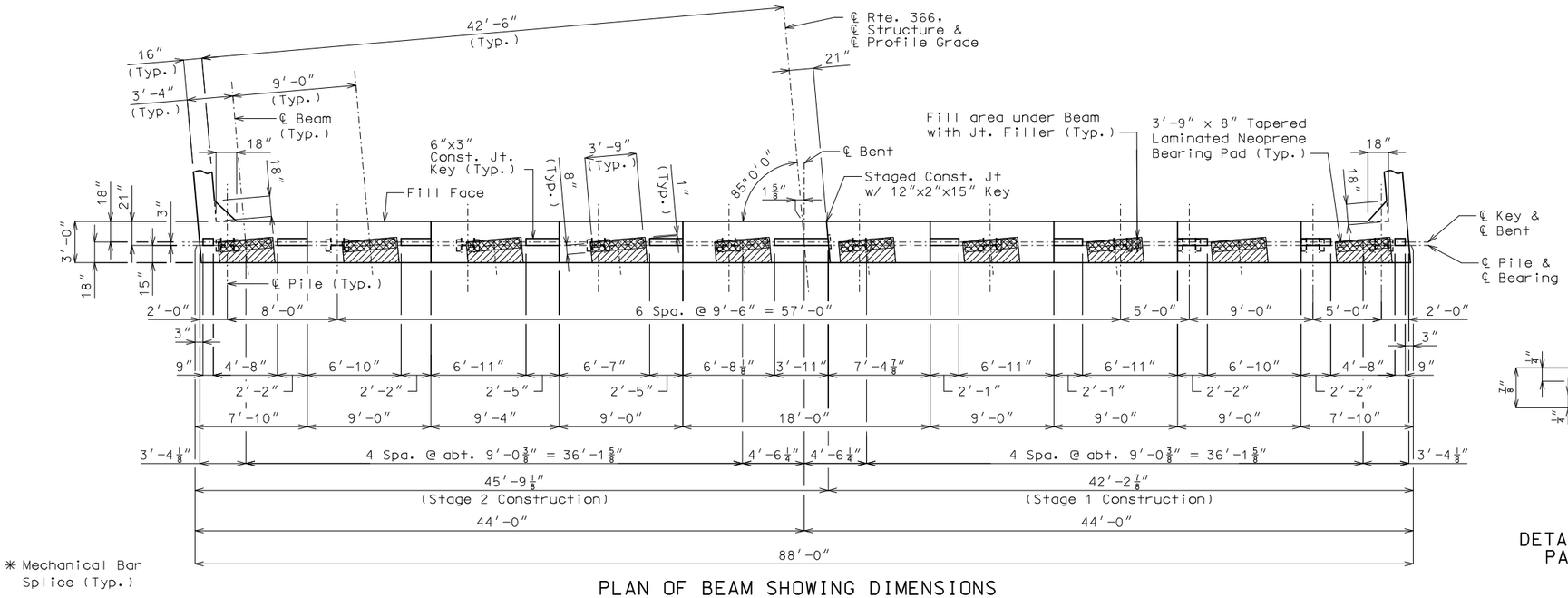
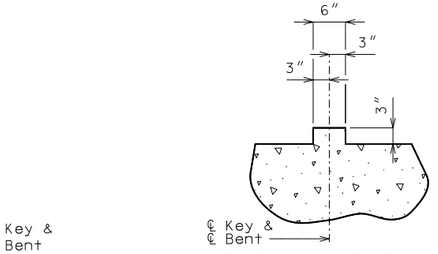
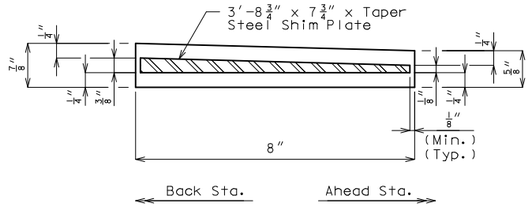


✳ Mechanical Bar Splice (Typ.)

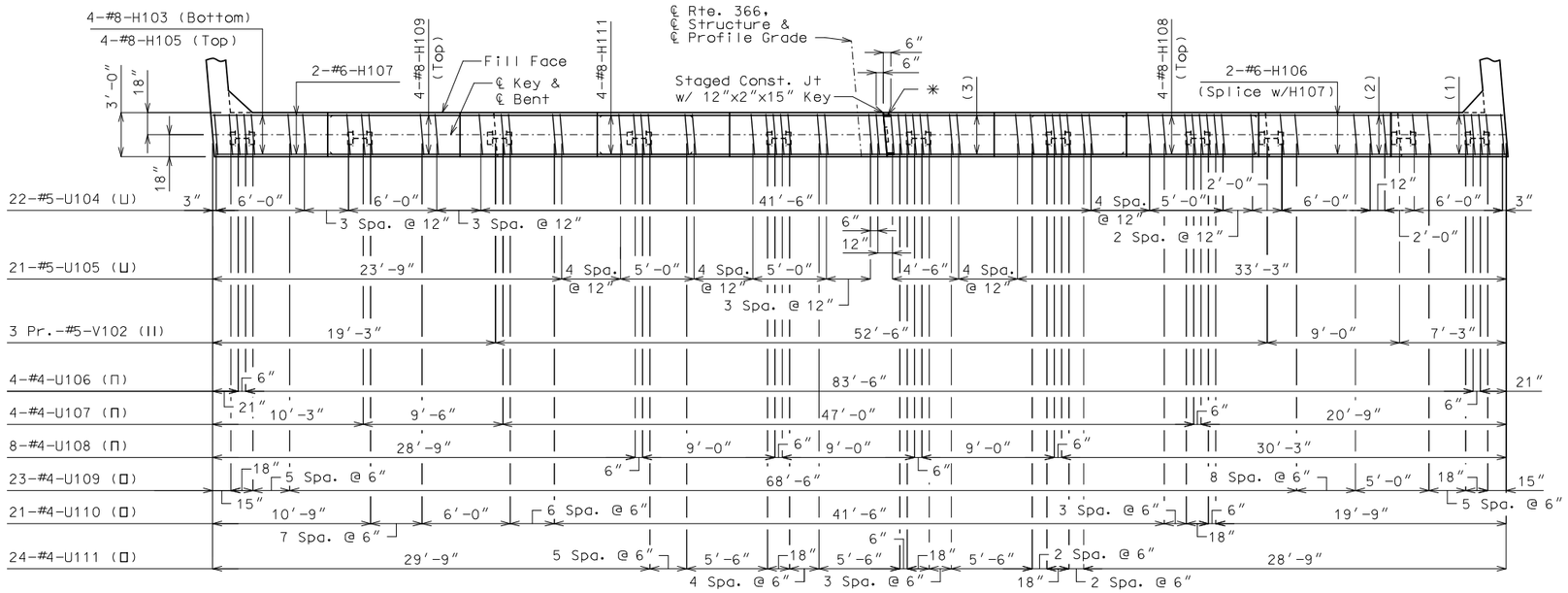
PLAN OF BEAM SHOWING DIMENSIONS



TYPICAL SECTION THRU KEY

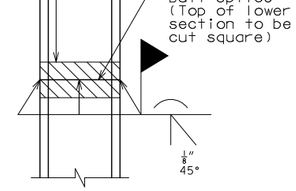


DETAIL OF LAMINATED NEOPRENE BEARING PADS (TAPERED) AT END BENT NO. 1



(1) 4-#8-H102 (Bottom) (Splice w/ H103)
(2) 4-#8-H104 (Top) (Splice w/ H105)
(3) 4-#8-H110 (Top) (Splice w/ H111)

PLAN OF BEAM SHOWING REINFORCEMENT
(Keys not shown for clarity)



STEEL PILE SPLICE
(If required)

General Notes:

For details of End Bent No. 1 not shown, see Sheets No. 7 & 8.

For details of Vertical Drain at End Bents, see Sheet No. 9.

The U bars and pairs of V bars shall be placed parallel to centerline of roadway.

Reinforcing steel shall be shifted to clear piles, U bars shall clear piles by at least 1 1/2".

Bill of reinforcing lengths for the H-bars that are to be mechanically spliced are based off of the bars terminating at the staged construction joint. The contractor shall adjust reinforcing lengths as required to ensure compatibility with the Mechanical Bar Splice manufacturer's product specifications.

DETAILS OF END BENT NO. 1

Detailed Dec. 2023
Checked Dec. 2023

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 6 of 29

STATE OF MISSOURI
JOSHUA D. JOLLIFF
NUMBER PE-2006002824
PROFESSIONAL ENGINEER

02/27/2024 12:55:19 PM
Joshua D. Jolliff
MO PE-2006002824

DATE PREPARED
2/27/2024

ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
BR	6

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.
A9260

DESCRIPTION	DATE

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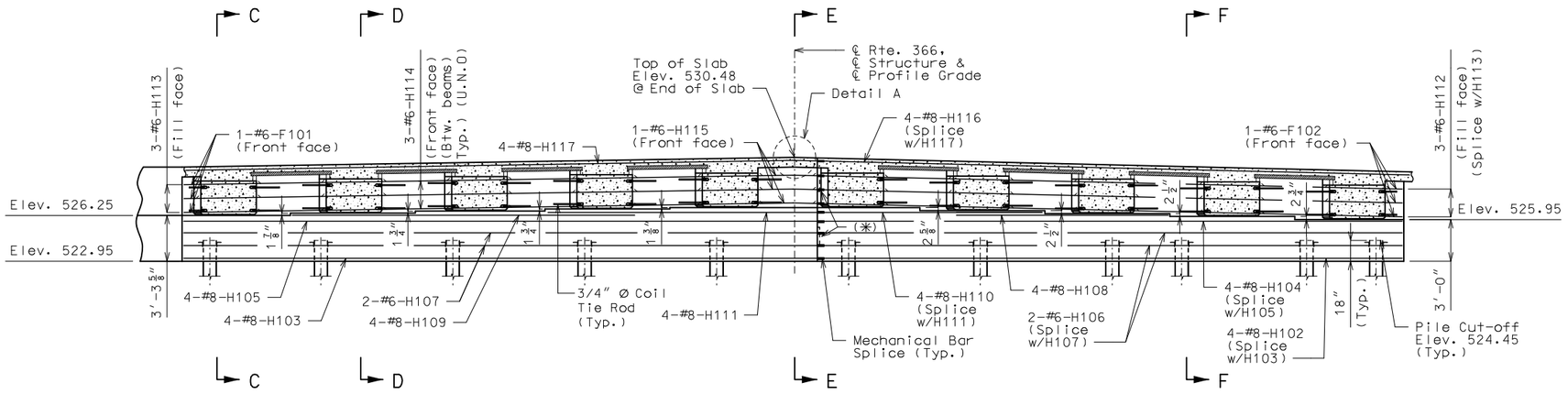


SECTION NEAR END BENT

Keys not shown for clarity.

Substructure Quantity Table for Bent No. 1		
Item		Quantity
Class 1 Excavation	cu. yard	75
Galvanized Structural Steel Piles (12 in.)	linear foot	165
Pile Point Reinforcement	each	11
Class B Concrete (Substructure)	cu. yard	37.7

Note: These quantities are included in the Estimated Quantities table on Sheet No. 2.

✳ Staged Const. Jt. w/ 12"x15"x2" Key in Beam & 12"x14"x2" Key in Diaphragm

✳✳ Centered behind beams

U.N.O. - Denotes unless noted otherwise

General Notes:

For details of End Bent No. 1 not shown, see Sheets No. 6 & 8.

For Sections C-C, D-D, E-E, & F-F, see Sheet No. 8.

For Elevations A-A & B-B, see Sheet No. 8.

All concrete in the end bent above top of beam and below top of slab shall be Class B-2.

For location of Coil Tie Rods and #5-H118 (Strand Tie Bar), see Sheet No. 13.

For details of Vertical Drain at End Bents, see Sheet No. 9.

Reinforcing steel shall be shifted to clear piles, U bars shall clear piles by at least 1 1/2".

The #6-F103 and #6-F104 bars shall be bent in the field to clear beams.

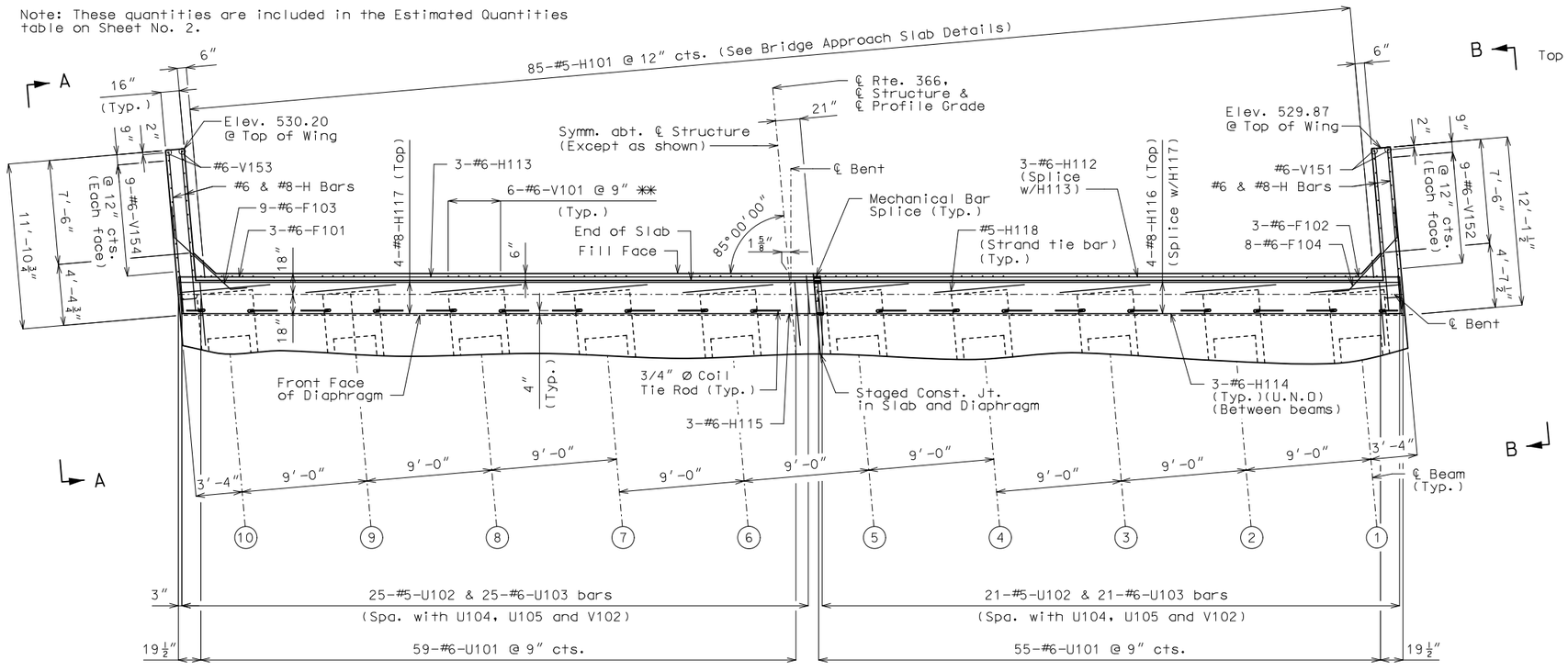
The U bars shall be placed parallel to centerline of roadway.

Strands at end of beams shall be field bent or, if necessary, cut in field to maintain 1 1/2-inch minimum clearance to fill face of end bent.

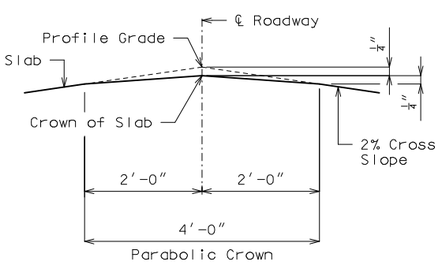
For details and reinforcement of the Type D Barrier, see Sheets No. 20 & 21.

For details of Bridge Approach Slab, see Sheet No. 24.

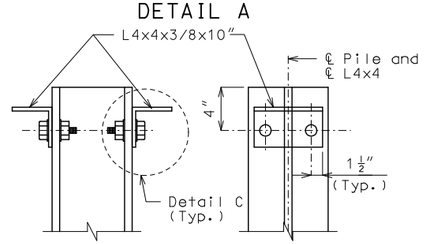
Bill of reinforcing lengths for the H-bars that are to be mechanically spliced are based off of the bars terminating at the staged construction joint. The contractor shall adjust reinforcing lengths as required to ensure compatibility with the Mechanical Bar Splice manufacturer's product specifications.



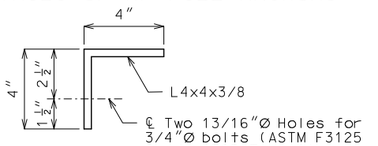
PART PLAN



DETAIL A



DETAILS OF HP PILE ANCHORS



DETAIL C

Angles shall be coated with a minimum of two coats of non-aluminum epoxy mastic primer to provide a dry film thickness of 4 mils minimum, 8 mils maximum, or galvanized in accordance with Sec 1081. Bolts, washers and nuts shall be galvanized in accordance with AASHTO M 232 (ASTM A153), Class C.

DETAILS OF END BENT NO. 1

Detailed Dec. 2023
Checked Dec. 2023

Note: This drawing is not to scale. Follow dimensions.

MISSOURI DEPARTMENT OF TRANSPORTATION
JOSHUA D. JOLLIFF
NUMBER PE-2006002824
PROFESSIONAL ENGINEER
02/27/2024 12:55:13 PM
Joshua D. Jolliff
MO PE-2006002824

DATE PREPARED: 2/27/2024
ROUTE: 366 | STATE: MO
DISTRICT: BR | SHEET NO.: 7
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.: A9260

DESCRIPTION | DATE | REV.

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105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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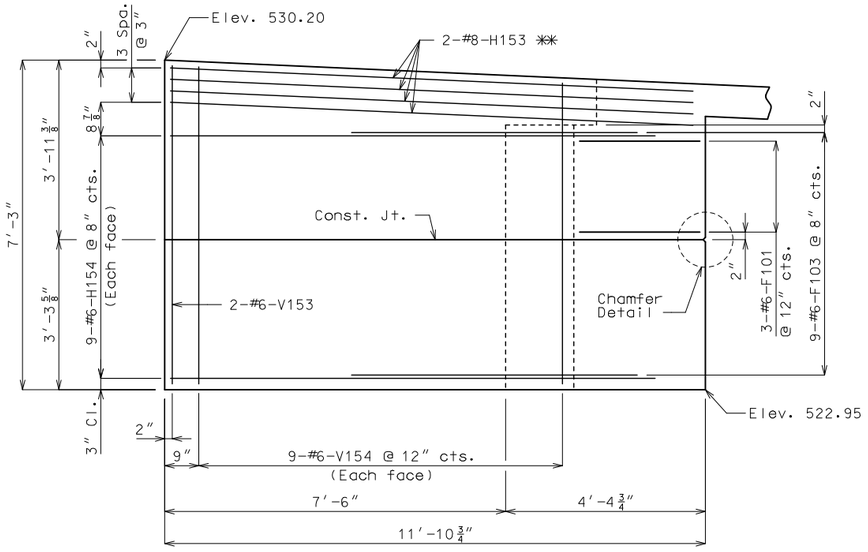
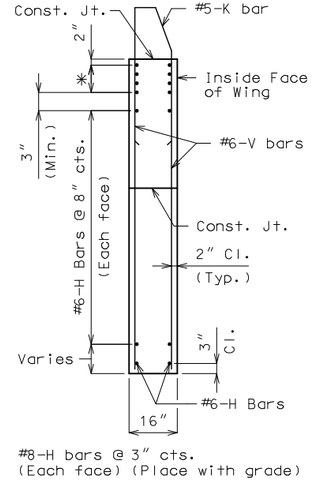
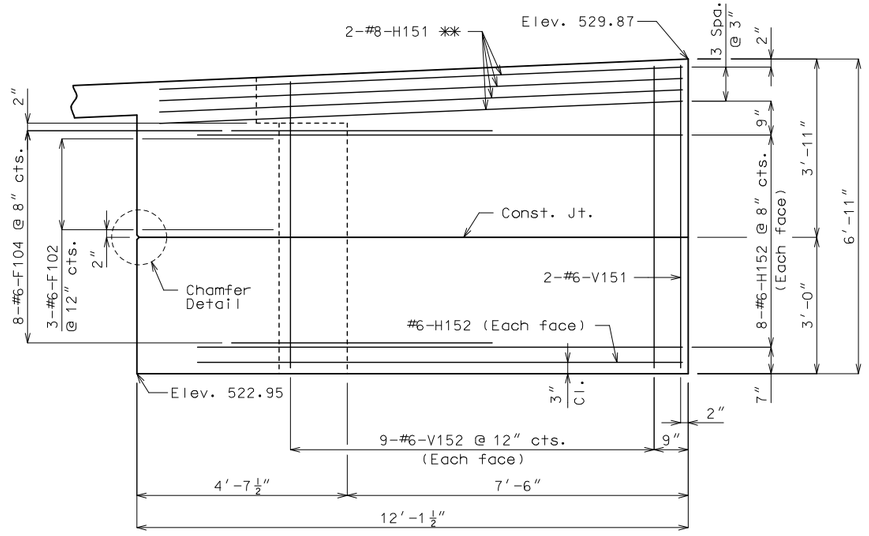


ELEVATION A-A



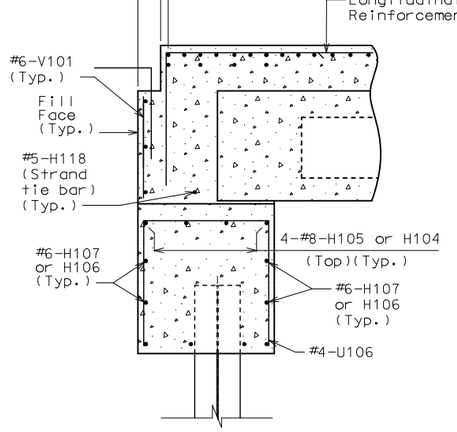
* #8-H bars @ 3" cts. (Each face) (Place with grade)

TYPICAL SECTION THRU WING

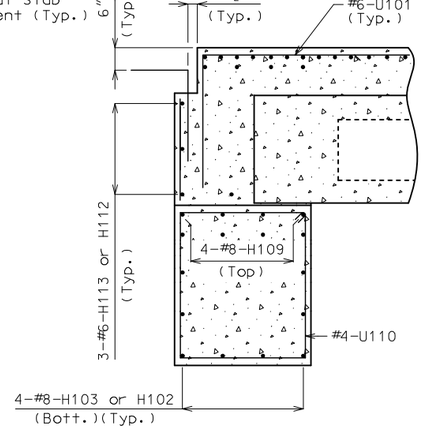


ELEVATION B-B

** (Place with grade)



SECTION C-C



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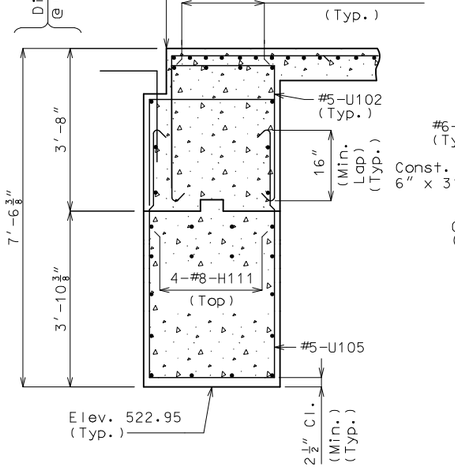
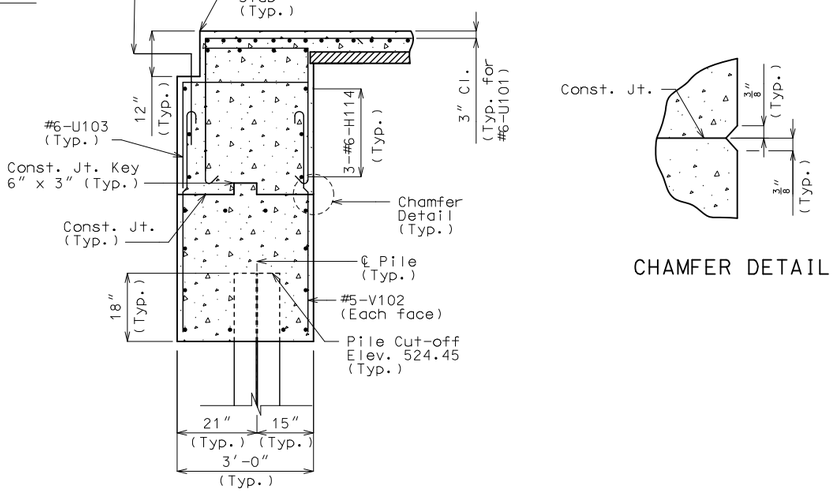


SECTION E-E



SECTION F-F

CHAMFER DETAIL

General Notes:

For details of End Bent No. 1 not shown, see Sheets No. 6 & 7.

All concrete in the end bent above top of beam and below top of slab shall be Class B-2.

The #6-F103 and #6-F104 bars shall be bent in field to clear beams.

For details and reinforcement of the Type D Barrier, see Sheets No. 20 and 21.

For details of Vertical Drain at End Bents, see Sheet No. 9.

For location of #5-H118 (Strand tie bar), see Sheet No. 13.

For location of Sections C-C, D-D, E-E, & F-F, see Sheet No. 7.

For location of Elevations A-A & B-B, see Sheet No. 7.

For Conduit and Junction Box Details, see Sheet No. 22.

For details of Bridge Approach Slab, see Sheet No. 24.

DETAILS OF END BENT NO. 1

Detailed Dec. 2023
Checked Dec. 2023

Note: This drawing is not to scale. Follow dimensions.

JOSHUA D. JOLLIFF NUMBER PE-2006002824 DECLARED DIGITAL
02/27/2024 12:55:13 PM
Joshua D. Jolliff
MO PE-2006002824

DATE PREPARED: 2/27/2024
ROUTE: 366 | STATE: MO
DISTRICT: BR | SHEET NO.: 8
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.: A9260

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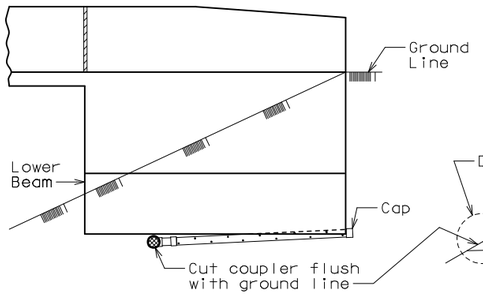
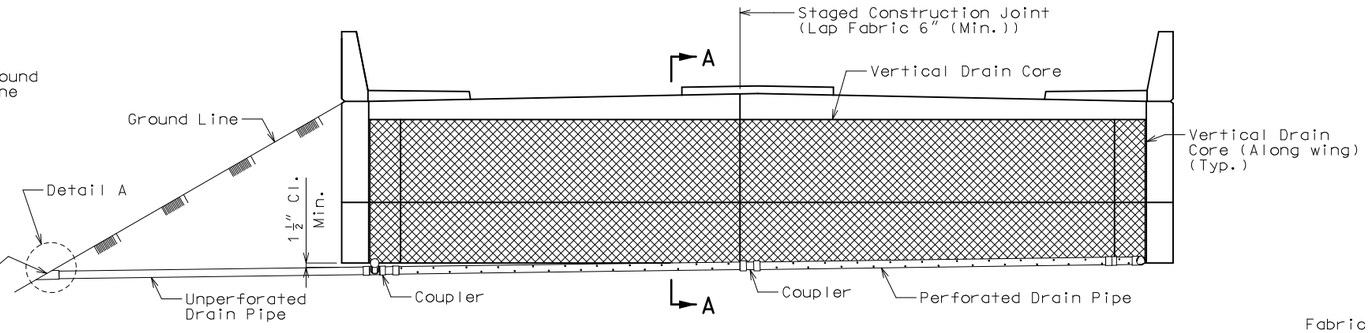
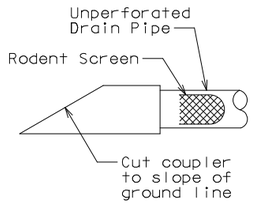


ELEVATION OF WING

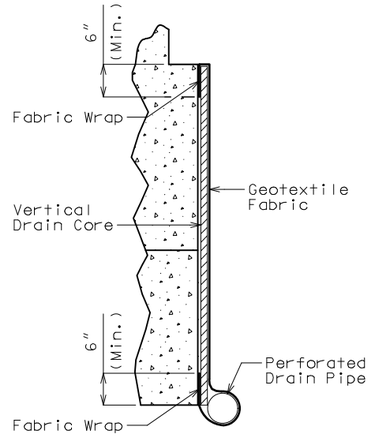


ELEVATION OF END BENT

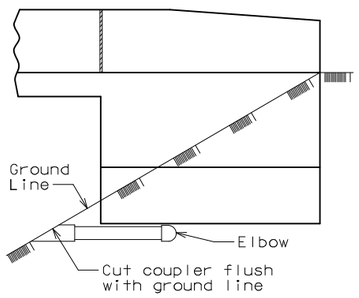


DETAIL A

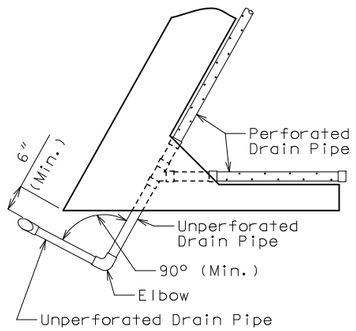
PLAN OF END BENT



PART SECTION A-A
(Section thru wing similar)



ELEVATION OF WING



PART PLAN

OPTIONAL TURNED DRAIN
(Use only when straight drain is not practical.)

General Notes:

All drain pipe shall be sloped 1 to 2 percent.

Drain pipe may be either 6-inch diameter corrugated metallic-coated steel pipe underdrain, 4-inch diameter corrugated polyvinyl chloride (PVC) drain pipe, or 4-inch diameter corrugated polyethylene (PE) drain pipe.

Drain pipe shall be placed at fill face of end bent and inside face of wings. The pipe shall slope to lowest grade of ground line, also missing the lower beam of end bent by a minimum of 1 1/2 inches.

Perforated pipe shall be placed at fill face side and inside face of wings at the bottom of end bent and plain pipe shall be used where the vertical drain ends to the exit at ground line.

VERTICAL DRAIN AT END BENTS

(Squared end bent shown, skewed end bent similar)

Detailed Dec. 2023
Checked Dec. 2023

Note: This drawing is not to scale. Follow dimensions.

STATE OF MISSOURI
JOSHUA D. JOLLIFF
NUMBER PE-2006002824
REGISTERED PROFESSIONAL ENGINEER
02/27/2024 12:55:13 PM
Joshua D. Jolliff
MO PE-2006002824

DATE PREPARED: 2/27/2024
ROUTE: 366 | STATE: MO
DISTRICT: BR | SHEET NO.: 9
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.: A9260

DESCRIPTION | DATE | REV.

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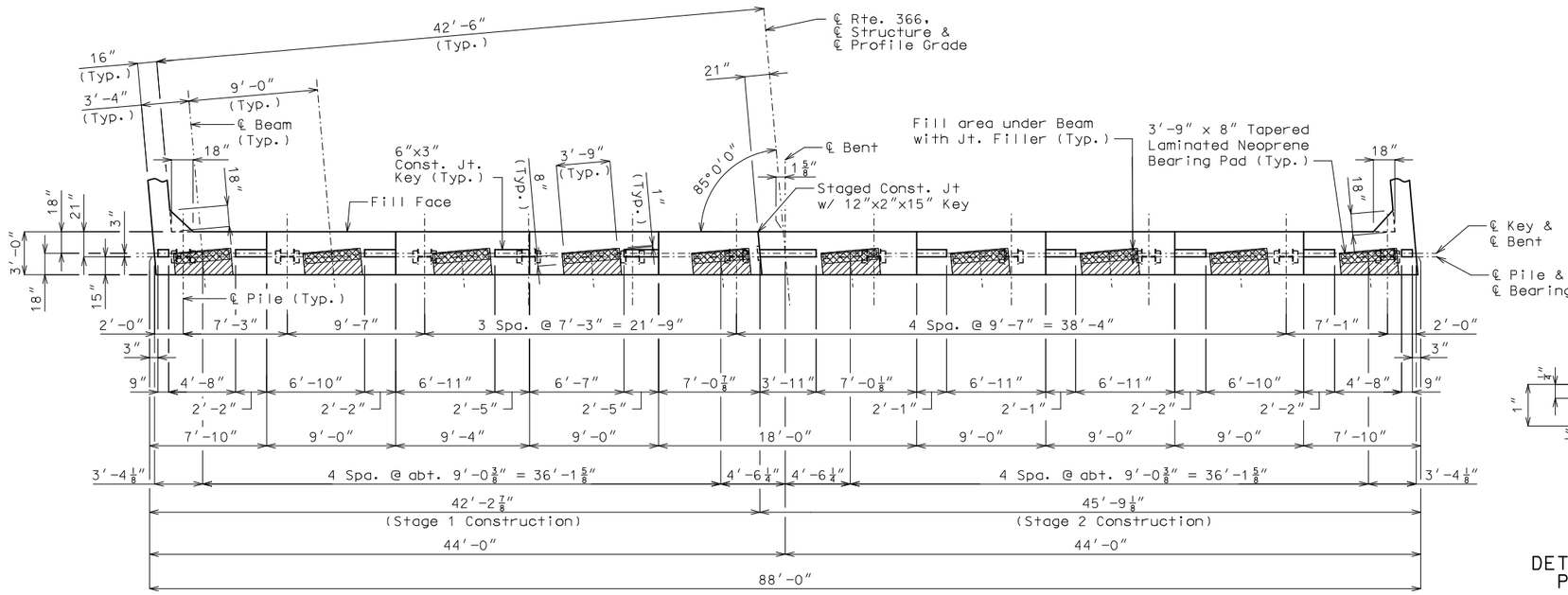
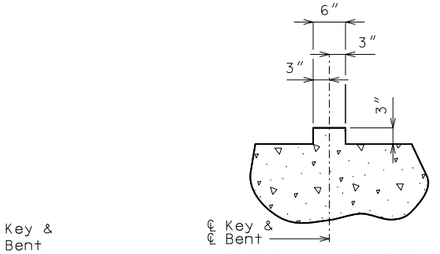
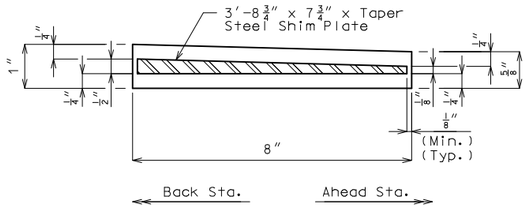


PLAN OF BEAM SHOWING DIMENSIONS

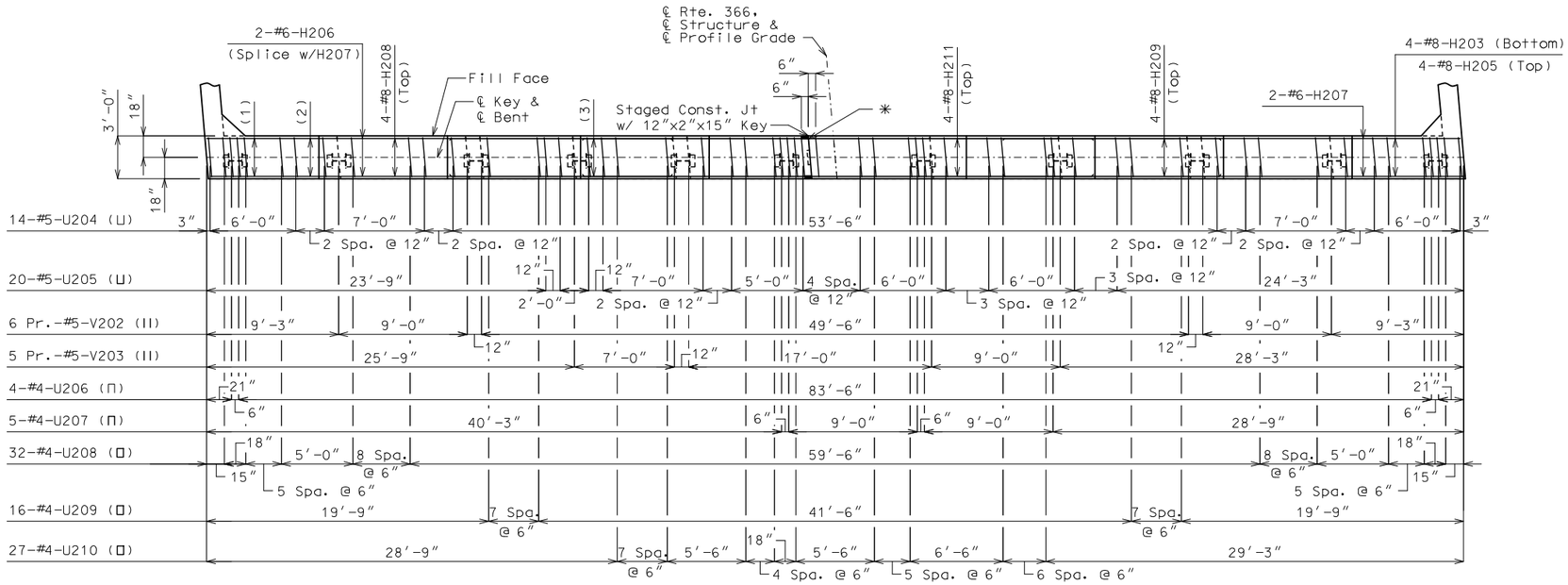


TYPICAL SECTION THRU KEY



DETAIL OF LAMINATED NEOPRENE BEARING PADS (TAPERED) AT END BENT NO. 2

✳ Mechanical Bar Splice (Typ.)

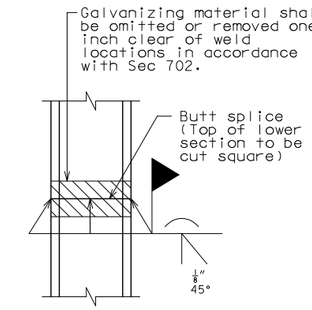


(1) 4-#8-H202 (Bottom) (Splice w/ H203)

(2) 4-#8-H204 (Top) (Splice w/ H205)

(3) 4-#8-H210 (Top) (Splice w/ H211)

PLAN OF BEAM SHOWING REINFORCEMENT
(Keys not shown for clarity)



STEEL PILE SPLICE
(If required)

General Notes:

For details of End Bent No. 2 not shown, see Sheets No. 11 & 12.

For details of Vertical Drain at End Bents, see Sheet No. 9.

The U bars and pairs of V bars shall be placed parallel to centerline of roadway.

Reinforcing steel shall be shifted to clear piles, U bars shall clear piles by at least 1 1/2".

Bill of reinforcing lengths for the H-bars that are to be mechanically spliced are based off of the bars terminating at the staged construction joint. The contractor shall adjust reinforcing lengths as required to ensure compatibility with the Mechanical Bar Splice manufacturer's product specifications.

DETAILS OF END BENT NO. 2

Detailed Dec. 2023
Checked Dec. 2023

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 10 of 29

JOSHUA D. JOLLIFF NUMBER PE-2006002824 DEPARTMENTAL
02/27/2024 12:55:13 PM
Joshua D. Jolliff
MO PE-2006002824

DATE PREPARED 2/27/2024

ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
BR	10

COUNTY ST. LOUIS

JOB NO. J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO. A9260

DESCRIPTION	DATE

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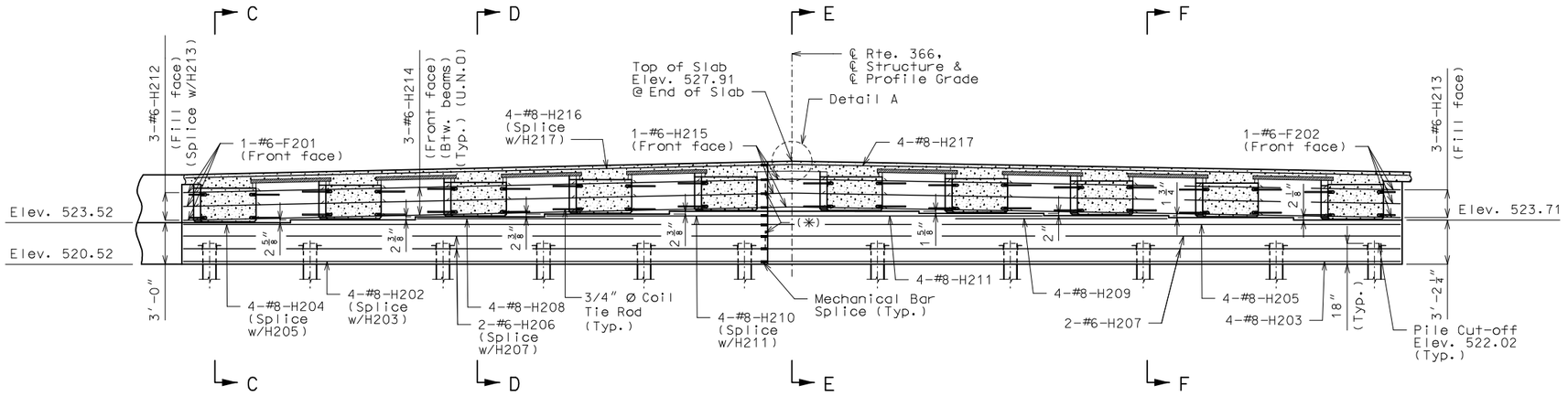


SECTION NEAR END BENT

Keys not shown for clarity.

Substructure Quantity Table for Bent No. 2		
Item		Quantity
Class 1 Excavation	cu. yard	75
Galvanized Structural Steel Piles (12 in.)	linear foot	165
Pile Point Reinforcement	each	11
Class B Concrete (Substructure)	cu. yard	37.1

Note: These quantities are included in the Estimated Quantities table on Sheet No. 2.

✳ Staged Const. Jt. w/ 12"x15"x2" Key in Beam & 12"x14"x2" Key in Diaphragm

✳✳ Centered behind beams

U.N.O. - Denotes unless noted otherwise

General Notes:

For details of End Bent No. 2 not shown, see Sheets No. 10 & 12.

For Sections C-C, D-D, E-E, & F-F, see Sheet No. 12.

For Elevations A-A & B-B, see Sheet No. 12.

All concrete in the end bent above top of beam and below top of slab shall be Class B-2.

For location of Coil Tie Rods and #5-H218 (Strand Tie Bar), see Sheet No. 13.

For details of Vertical Drain at End Bents, see Sheet No. 9.

Reinforcing steel shall be shifted to clear piles, U bars shall clear piles by at least 1 1/2".

The #6-F203 and #6-F204 bars shall be bent in the field to clear beams.

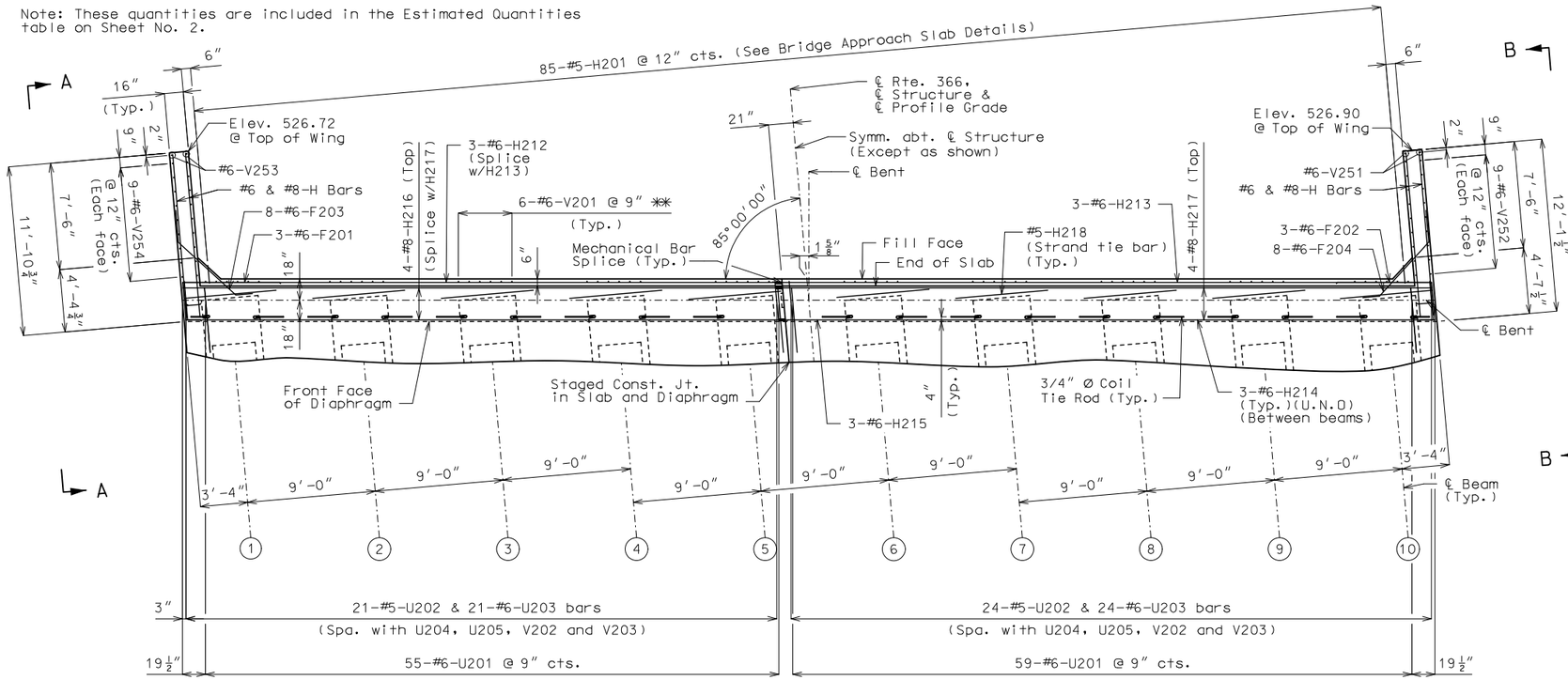
The U bars shall be placed parallel to centerline of roadway.

Strands at end of beams shall be field bent or, if necessary, cut in field to maintain 1 1/2-inch minimum clearance to fill face of end bent.

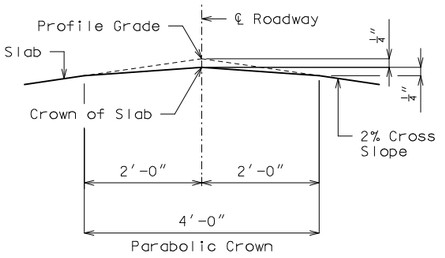
For details and reinforcement of the Type D Barrier, see Sheets No. 20 & 21.

For details of Bridge Approach Slab, see Sheet No. 24.

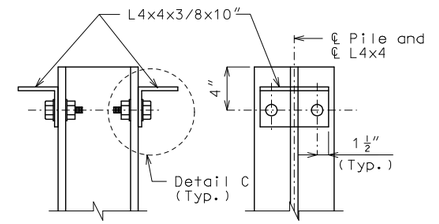
Bill of reinforcing lengths for the H-bars that are to be mechanically spliced are based off of the bars terminating at the staged construction joint. The contractor shall adjust reinforcing lengths as required to ensure compatibility with the Mechanical Bar Splice manufacturer's product specifications.



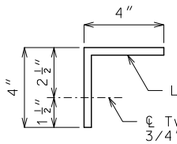
PART PLAN



DETAIL A



DETAILS OF HP PILE ANCHORS



DETAIL C

Angles shall be coated with a minimum of two coats of non-aluminum epoxy mastic primer to provide a dry film thickness of 4 mils minimum, 8 mils maximum, or galvanized in accordance with Sec 1081. Bolts, washers and nuts shall be galvanized in accordance with AASHTO M 232 (ASTM A153), Class C.

DETAILS OF END BENT NO. 2

Detailed Dec. 2023
Checked Dec. 2023

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 11 of 29

JOSHUA D. JOLLIFF NUMBER PE-2006002824 STATE OF MISSOURI PROFESSIONAL ENGINEER
02/27/2024 12:55:13 PM
Joshua D. Jolliff
MO PE-2006002824

DATE PREPARED: 2/27/2024
ROUTE: 366 | STATE: MO
DISTRICT: BR | SHEET NO.: 11
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.: A9260

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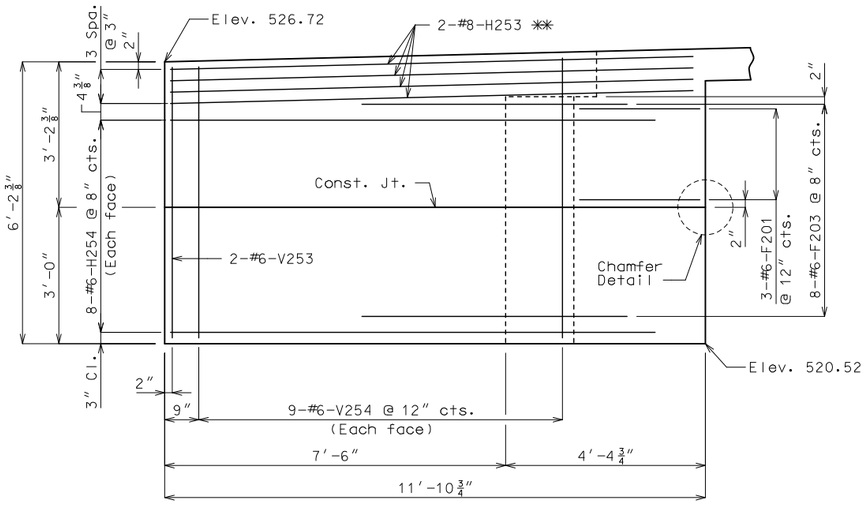
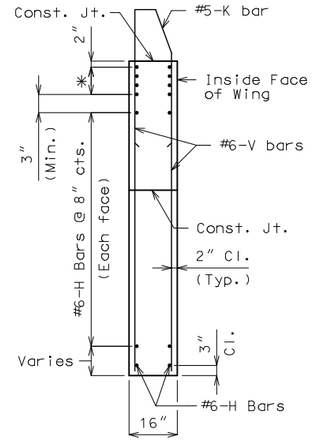
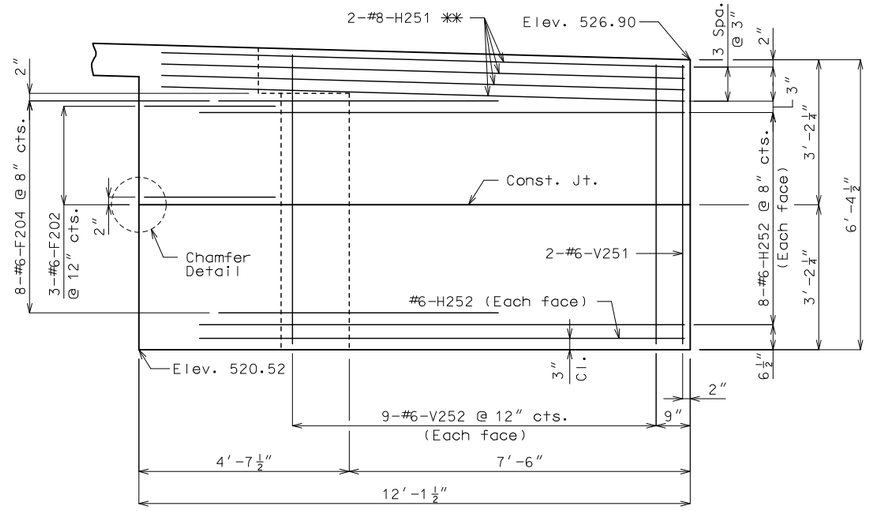


ELEVATION A-A



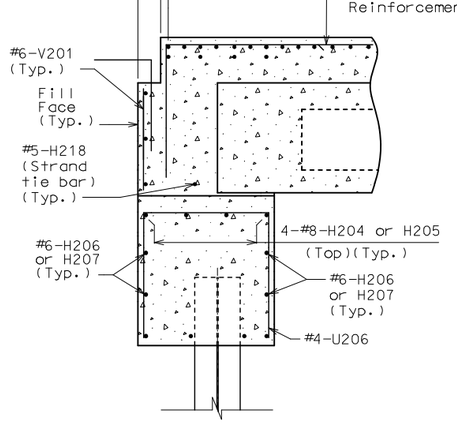
* #8-H bars @ 3" cts. (Each face) (Place with grade)

TYPICAL SECTION THRU WING

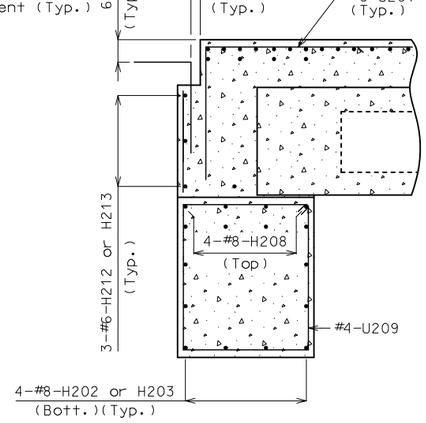


ELEVATION B-B

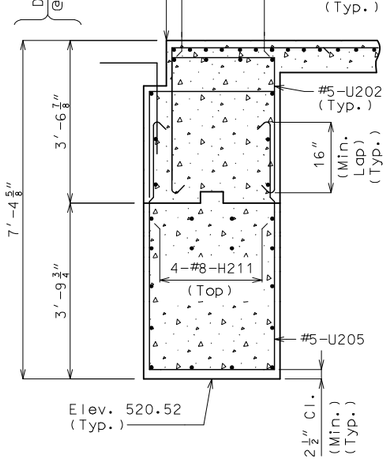
** (Place with grade)



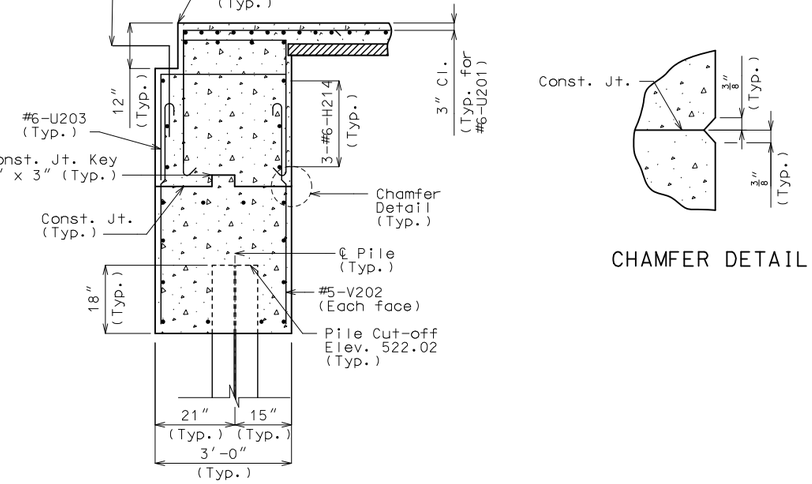
SECTION C-C



SECTION D-D



SECTION E-E



SECTION F-F

CHAMFER DETAIL

General Notes:

For details of End Bent No. 2 not shown, see Sheets No. 10 & 11.

All concrete in the end bent above top of beam and below top of slab shall be Class B-2.

The #6-F203 and #6-F204 bars shall be bent in field to clear beams.

For details and reinforcement of the Type D Barrier, see Sheets No. 20 and 21.

For details of Vertical Drain at End Bents, see Sheet No. 9.

For location of #5-H218 (Strand tie bar), see Sheet No. 13.

For location of Sections C-C, D-D, E-E, & F-F, see Sheet No. 11.

For location of Elevations A-A & B-B, see Sheet No. 11.

For Conduit and Junction Box Details, see Sheet No. 22.

For details of Bridge Approach Slab, see Sheet No. 24.

DETAILS OF END BENT NO. 2

Detailed Dec. 2023
Checked Dec. 2023

Note: This drawing is not to scale. Follow dimensions.

STATE OF MISSOURI
JOSHUA D. JOLLIFF
NUMBER PE-2006002824
PROFESSIONAL ENGINEER
02/27/2024 12:55:19 PM
Joshua D. Jolliff
MO PE-2006002824

DATE PREPARED: 2/27/2024

ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
BR	12

COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.: A9260

DESCRIPTION	DATE

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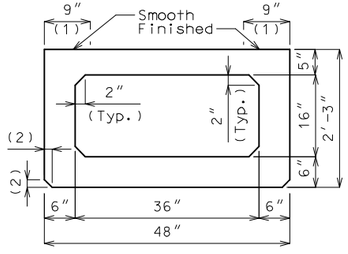
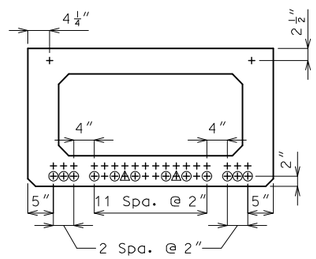


DIMENSIONS *

(1) Fabricator shall apply a bond breaker to this region excluding where joint filler will be applied..

(2) 1½″ (Typ.) (¾″ Optional)



STRAND ARRANGEMENT *

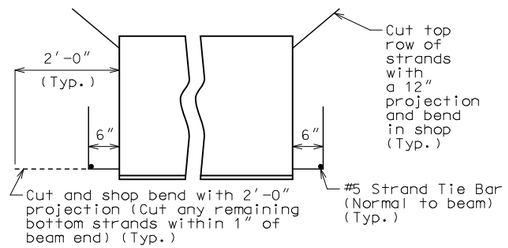
* Steps not shown for clarity. Vertical dimensions shown away from steps.

All strands are fully bonded unless otherwise noted.

+ Indicates prestressing strand.

○ Indicates cut and shop bend with 2′-0″ projection.

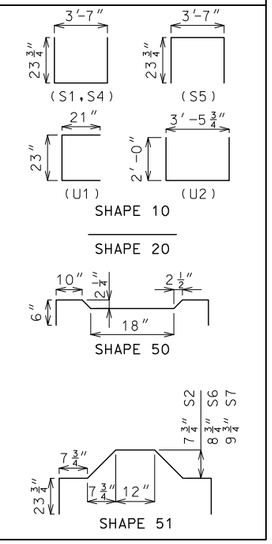
△ Indicates debonded for 2′-0″ from end of beam.



END BENT

STRANDS AT BEAM ENDS

BILL OF REINFORCING STEEL - EACH BEAM				
NO.	SIZE & MARK	ACTUAL LENGTH	SHAPE	BENDING DIAGRAM
10	5 A1	37′-5″	20	
8	4 A2	37′-2″	20	
23	4 C1	3′-7″	20	
72	5 S1	7′-4″	10	
28	5 S2	7′-9″	51	
72	4 S3	4′-6″	50	
18	5 S4	7′-4″	10	
18	5 S5	7′-4″	10	
22	5 S6	7′-10″	51	
22	5 S7	7′-11″	51	
12	6 U1	5′-1″	10	
6	4 U2	7′-4″	10	



All dimensions are out to out. Use symmetry for dimensions not shown.

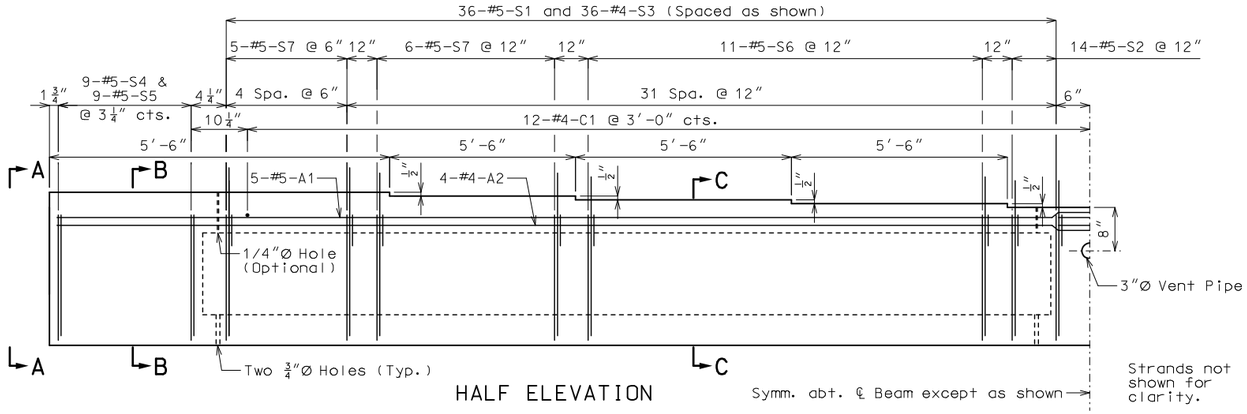
Hooks and bends shall be in accordance with the CRSI Manual of Standard Practice for Detailing Reinforced Concrete Structures, Stirrup and Tie Dimensions.

Actual lengths are measured along centerline of bar to the nearest inch.

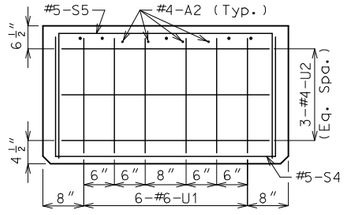
Minimum clearance to reinforcing shall be 1″, unless otherwise shown.

All reinforcement shall be Grade 60.

All S2, S6 & S7 bars shall be epoxy coated.

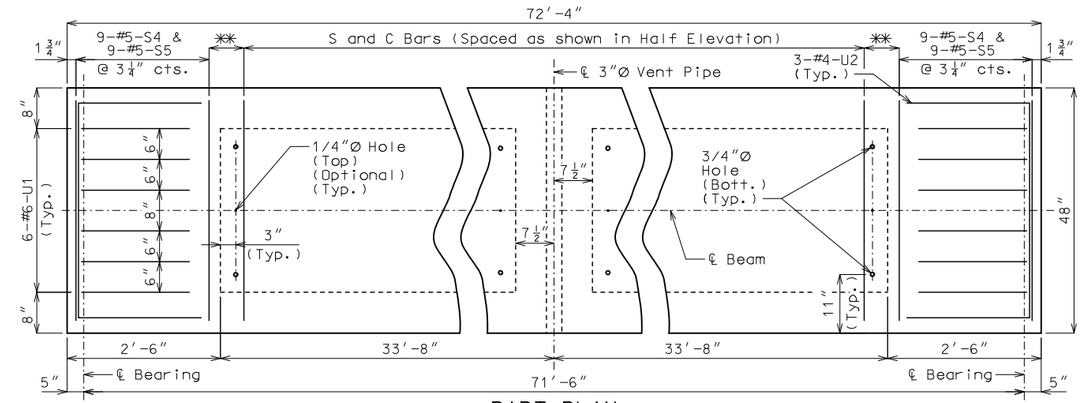


HALF ELEVATION

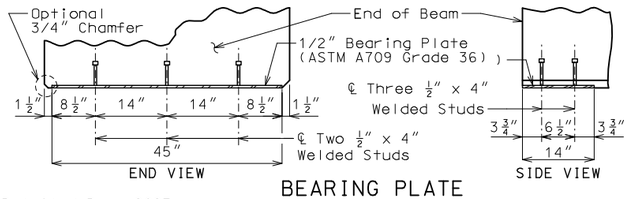


ELEVATION A-A

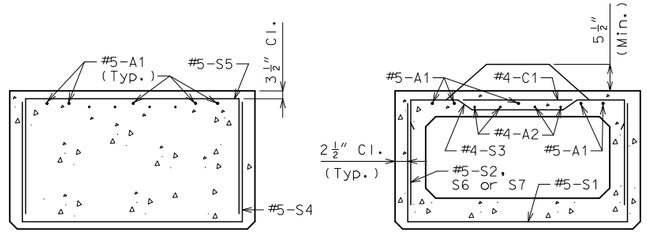
✱✱ 4¼″ for S-bars and 10¼″ for C-bars



PART PLAN



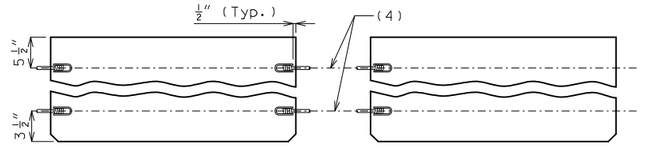
BEARING PLATE



SECTION B-B

SECTION C-C

(4) ℄ 3/4″Ø (Min.) Coil Tie Rods 2′-6″ long (15½″ at exterior face of exterior beams at end bents)



EXTERIOR BEAMS AT ALL BENTS
INTERIOR BEAMS AT ALL BENTS

BEAM NO. 5 AT ALL BENTS (LEFT SIDE OF BEAM ONLY)

COIL TIES

General Notes:

Concrete for prestressed beams shall be Class A-1 with f′c = 9000 psi and f′ci = 7000 psi.

Use 38 strands, 0.6″Ø Grade 270, with an initial prestress force of 1670 kips.

Pretensioned members shall be in accordance with Sec 1029.

Fabricator shall be responsible for location and design of lifting devices.

Exterior and interior beams are the same except: coil ties, application of bond breaker.

For Beam Camber Diagram, see Sheet No. 15.

For location of coil ties at concrete bent diaphragms, see Sheets No. 7 and 11.

Detailed Dec. 2023
Checked Dec. 2023

Note: This drawing is not to scale. Follow dimensions.

SPREAD BOX BEAMS - SPAN (1-2)

Sheet No. 13 of 29

JOSHUA D. JOLLIFF NUMBER PE-2006002824 STATE OF MISSOURI PROFESSIONAL ENGINEER
02/27/2024 12:55:13 PM
Joshua D. Jolliff
MO PE-2006002824

DATE PREPARED 2/27/2024

ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
BR	13

COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.: A9260

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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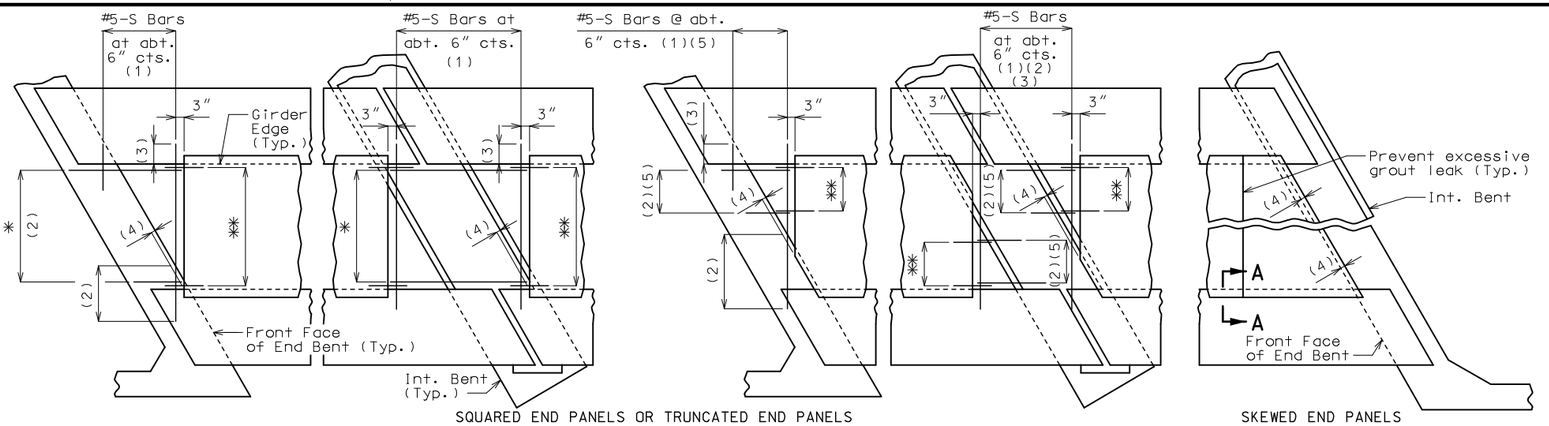
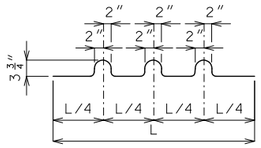


SQUARED END PANELS OR TRUNCATED END PANELS

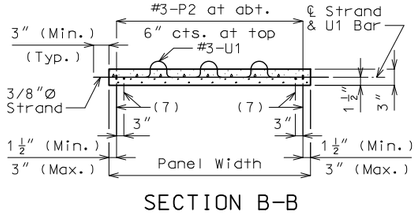
SKEWED END PANELS

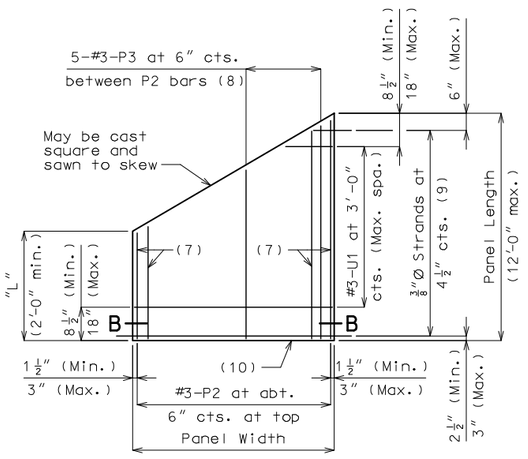
PLAN SHOWING PANELS PLACEMENT

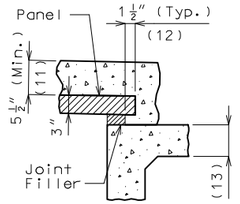
✱ #5-S Bars at abt. 9" cts. (1)
✱✱ #3-P1 at 12" cts. (End panels only)



U1 Bars may be oriented at right angles to location and spacing shown. U1 Bars shall be placed between P1 bars.







Joint Filler Dimensions		
Width	Height	
	Min.	Max.
3"	1"	4"

Reference Notes:

Plan of Panels Placement:

(1) S-bars shown are bottom steel in slab between panels and used with squared and truncated end panels only.

(2) Extend S-bars 18 inches beyond the front face of end bents and int. bents for squared and truncated end panels only.

(3) Extend S-bars 9 inches beyond edge of girder (Typ.).

(4) End panels shall be dimensioned 1/2" min. to 1 1/2" max. from the inside face of diaphragm.

(5) For truncated end panels, use a min. of #5-S bars at 6" crossings in openings, or min. 4x4-W7xW7.

Plans of Panels:

(6) For end panels only, P1 bars shall be 2'-0" in length and embedded 12". P1 bars will not be required for panels at squared integral end bents.

(7) #3-P2 bars near edge of panel at bottom (under strands).

(8) Use #3-P3 bars if panel is skewed 45° or greater.

(9) Any strand 2'-0" or shorter shall have a #4 reinforcing bar on each side of it, centered between strands. Strands 2'-0", or shorter may then be debonded at the fabricator's option.

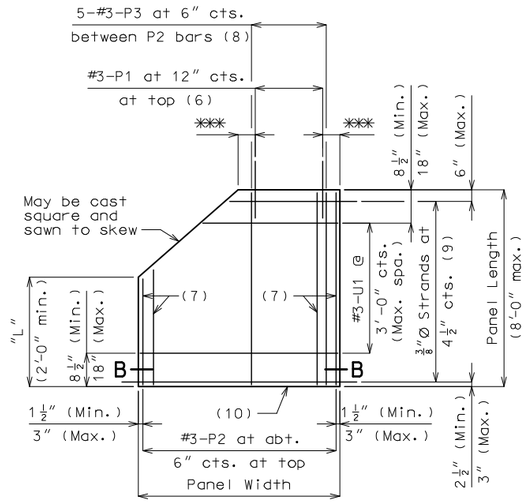
(10) Optional 1/2" x 45° Chamfer one or both sides at bottom.

Section A-A:

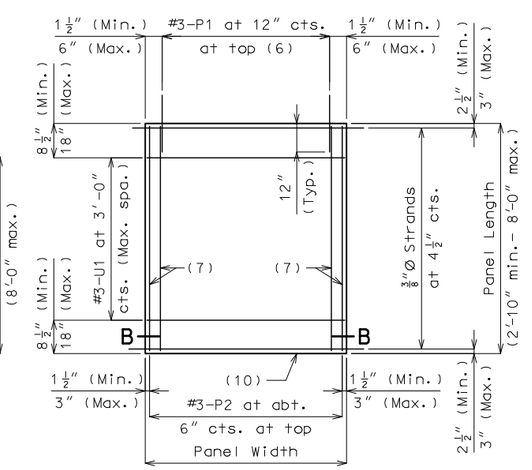
(11) Slab thickness over prestressed panels varies due to beam camber. In order to maintain minimum slab thickness, it may be necessary to raise the grade uniformly throughout the structure. No payment will be made for additional labor or materials required for necessary grade adjustment.

(12) Contractor shall ensure proper consolidation under and between panels.

(13) At the contractor's option, the variation in slab thickness over prestressed panels may be eliminated or reduced by increasing and varying the girder top flange thickness. Dimensions shall be shown on the shop drawings.



✱✱✱ 3" (Min.), 6" (Max.)



DETAILS OF PRESTRESSED PANELS

Detailed Dec. 2023
Checked Dec. 2023

Note: This drawing is not to scale. Follow dimensions.

General Notes:

Prestressed Panels:

Concrete for prestressed panels shall be Class A-1 with f'c = 6,000 psi, f'ci = 4,000 psi.

The top surface of all panels shall receive a scored finish with a depth of scoring of 1/8" perpendicular to the prestressing strands in the panels.

Prestressing tendons shall be high-tensile strength, uncoated, seven-wire, low-relaxation strands for prestressed concrete in accordance with AASHTO M 203 Grade 270, with nominal diameter of strand = 3/8" and nominal area = 0.085 sq.in. and minimum ultimate strength = 22.95 kips (270 ksi). Larger strands may be used with the same spacing and initial tension.

Initial prestressing force = 17.2 kips/strand.

The method and sequence of releasing the strands shall be shown on the shop drawings.

Suitable anchorage devices for lifting panels may be cast in panels, provided the devices are shown on the shop drawings and approved by the engineer. Panel lengths shall be determined by the contractor and shown on the shop drawings.

When squared end panels are used at skewed bents, the skewed portion shall be cast full depth. No separate payment will be made for additional concrete and reinforcing required.

Support from diaphragm forms is required under the optional skewed end until cast-in-place concrete has reached 3,000 psi compressive strength.

Prestressed panels shall be brought to saturated surface-dry (SSD) condition just prior to the deck pour. There shall be no free standing water on the panels or in the area to be cast.

The prestressed panel quantities are not included in the table of estimated quantities for the slab.

Reinforcing Steel:

All dimensions are out to out.

Hooks and bends shall be in accordance with the CRSI Manual of Standard Practice for Detailing Reinforced Concrete Structures, Stirrup and Tie Dimensions.

Minimum clearance to reinforcing steel shall be 1 1/2", unless otherwise shown.

If U1 bars interfere with placement of slab steel, U1 loops may be bent over, as necessary, to clear slab steel.

Deformed welded wire reinforcement (WWR) providing a minimum area of reinforcing perpendicular to strands of 0.22 sq in./ft, with spacing parallel to strands sufficient to ensure proper handling, may be used in lieu of the #3-P2 bars shown. Wire diameter shall not be larger than 0.375 inch. The above alternative reinforcement criteria may be used in lieu of the #3-P3 bars, when required, and placed over a width not less than 2 feet.

The following reinforcing steel shall be tied securely to the strands with the following maximum spacing in each direction:
#3-P2 bars at 16 inches.
WWR at 24 inches.

The #3-U1 bars shall be tied securely to #3-P2 bars, to WWR or to strands (when placed between P1 bars) at about 3-foot centers.

Minimum reinforcement steel length shall be 2'-0".

All reinforcement other than prestressing strands shall be epoxy coated.

Precast panels may be in contact with stirrup reinforcing in diaphragms.

S-bars are not listed in the bill of reinforcing.

Cost of S-bars will be considered completely covered by the contract unit price for the slab.

Joint Filler:

Joint filler shall be preformed fiber expansion joint material in accordance with Sec 1057 or expanded or extruded polystyrene bedding material in accordance with Sec 1073.

Use Slab Haunching Diagram on Sheet No. 15 for determining thickness of joint filler within the limits noted in the table of Joint Filler Dimensions.

Thicker material may be used on one or both sides of the beam to reduce cast-in-place concrete thickness to within tolerances.

The same thickness of preformed fiber expansion joint material shall be used under any one edge of any panel except at locations where top flange thickness may be stepped. The maximum change in thickness between adjacent panels shall be 1/2 inch. The polystyrene bedding material may be cut with a transition to match haunch height above top of flange.

Joint filler shall be glued to the beam. When thickness exceeds 1 1/2 inches, the joint filler shall be glued top and bottom. The glue used shall be the type recommended by the joint filler manufacturer.

Edges of panels shall be uniformly seated on the joint filler before slab reinforcement is placed.

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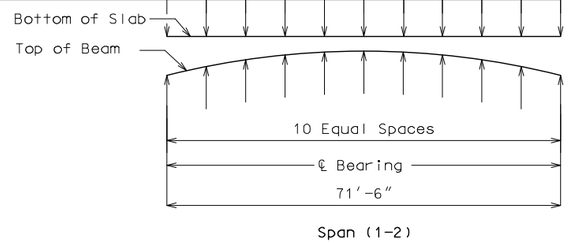
Beam No. 1	4 1/16"	2 3/4"	2"	1 5/8"	1 5/8"	1 1/2"	1 5/8"	1 5/8"	2"	2 7/8"	4 1/4"	
Beam No. 2	4"	2 5/8"	1 7/8"	1 5/8"	1 5/8"	1 1/2"	1 5/8"	1 5/8"	1 7/8"	2 5/8"	4"	
Beam No. 3	4"	2 5/8"	1 7/8"	1 5/8"	1 5/8"	1 1/2"	1 5/8"	1 5/8"	1 7/8"	2 5/8"	4"	
Beam No. 4	4"	2 3/4"	2"	1 5/8"	1 5/8"	1 1/2"	1 5/8"	1 5/8"	1 7/8"	2 5/8"	4"	
Beam No. 5	4"	2 5/8"	1 7/8"	1 5/8"	1 5/8"	1 1/2"	1 5/8"	1 5/8"	1 7/8"	2 5/8"	4"	
Beam No. 6	4 3/16"	3"	2 1/4"	2"	2"	1 7/8"	2"	1 7/8"	2 1/4"	2 7/8"	4 1/4"	
Beam No. 7	4"	2 5/8"	1 7/8"	1 5/8"	1 5/8"	1 1/2"	1 5/8"	1 5/8"	1 7/8"	2 3/4"	4"	
Beam No. 8	4"	2 5/8"	1 7/8"	1 5/8"	1 5/8"	1 1/2"	1 5/8"	1 5/8"	2"	2 3/4"	4"	
Beam No. 9	4"	2 3/4"	1 7/8"	1 5/8"	1 5/8"	1 1/2"	1 5/8"	1 5/8"	1 7/8"	2 5/8"	3 7/8"	
Beam No. 10	4 1/16"	2 7/8"	2"	1 5/8"	1 3/4"	1 1/2"	1 3/4"	1 5/8"	2"	2 7/8"	4 1/4"	



Span (1-2)

THEORETICAL SLAB HAUNCHING DIAGRAM

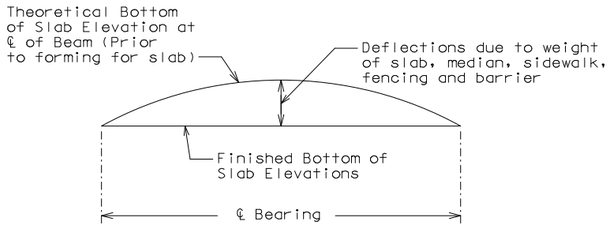
If beam camber is different from that shown in the camber diagram, in order to maintain minimum slab thickness, an adjustment of the slab haunches, an increase in slab thickness or a raise in grade uniformly throughout the structure shall be necessary. No payment will be made for additional labor or materials required for variation in haunching, slab thickness or grade adjustment.

Concrete in the slab haunches is included in the Estimated Quantities for Slab on Concrete Beam.

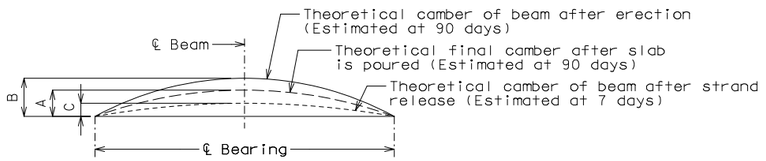
Theoretical Bottom of Slab Elevations at Centerline of Beam (Prior to forming for slab) (Estimated at 90 days)

Beam Number	Span (1-2) (71′-6″ ℄ Brg. - ℄ Brg.)										
	℄ Brg.	.10	.20	.30	.40	.50	.60	.70	.80	.90	℄ Brg.
1	528.78	528.52	528.28	528.04	527.80	527.56	527.32	527.07	526.83	526.59	526.35
2	528.99	528.74	528.50	528.26	528.02	527.78	527.54	527.29	527.04	526.79	526.55
3	529.20	528.95	528.71	528.47	528.23	527.99	527.74	527.49	527.24	526.99	526.75
4	529.42	529.16	528.92	528.68	528.44	528.20	527.95	527.70	527.45	527.20	526.96
5	529.63	529.38	529.13	528.89	528.65	528.40	528.15	527.90	527.65	527.40	527.16
6	529.66	529.41	529.16	528.92	528.68	528.43	528.18	527.93	527.67	527.42	527.18
7	529.52	529.26	529.02	528.77	528.53	528.28	528.03	527.77	527.52	527.26	527.02
8	529.37	529.11	528.87	528.62	528.37	528.13	527.87	527.62	527.36	527.11	526.86
9	529.22	528.97	528.72	528.47	528.22	527.97	527.72	527.46	527.20	526.95	526.70
10	529.08	528.82	528.56	528.31	528.06	527.81	527.55	527.30	527.04	526.79	526.54

Elevations are based on a constant slab thickness of 8 1/2" and include allowance for theoretical dead load deflections due to weight of slab (including precast panel), median, sidewalk, fencing and barrier.



TYPICAL SLAB ELEVATIONS DIAGRAM



Beam	Span (1-2)		
	A	B	C
Exterior	3"	4 5/8"	2 5/8"
Interior	2 3/4"		

BEAM CAMBER DIAGRAM

Conversion factors for beam camber (Estimated at 90 days):

0.1 pt. = 0.314 x 0.5 pt.
0.2 pt. = 0.593 x 0.5 pt.
0.3 pt. = 0.813 x 0.5 pt.
0.4 pt. = 0.952 x 0.5 pt.

TBOS, HAUNCHING AND CAMBER

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DISTRICT: BR | SHEET NO.: 15
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
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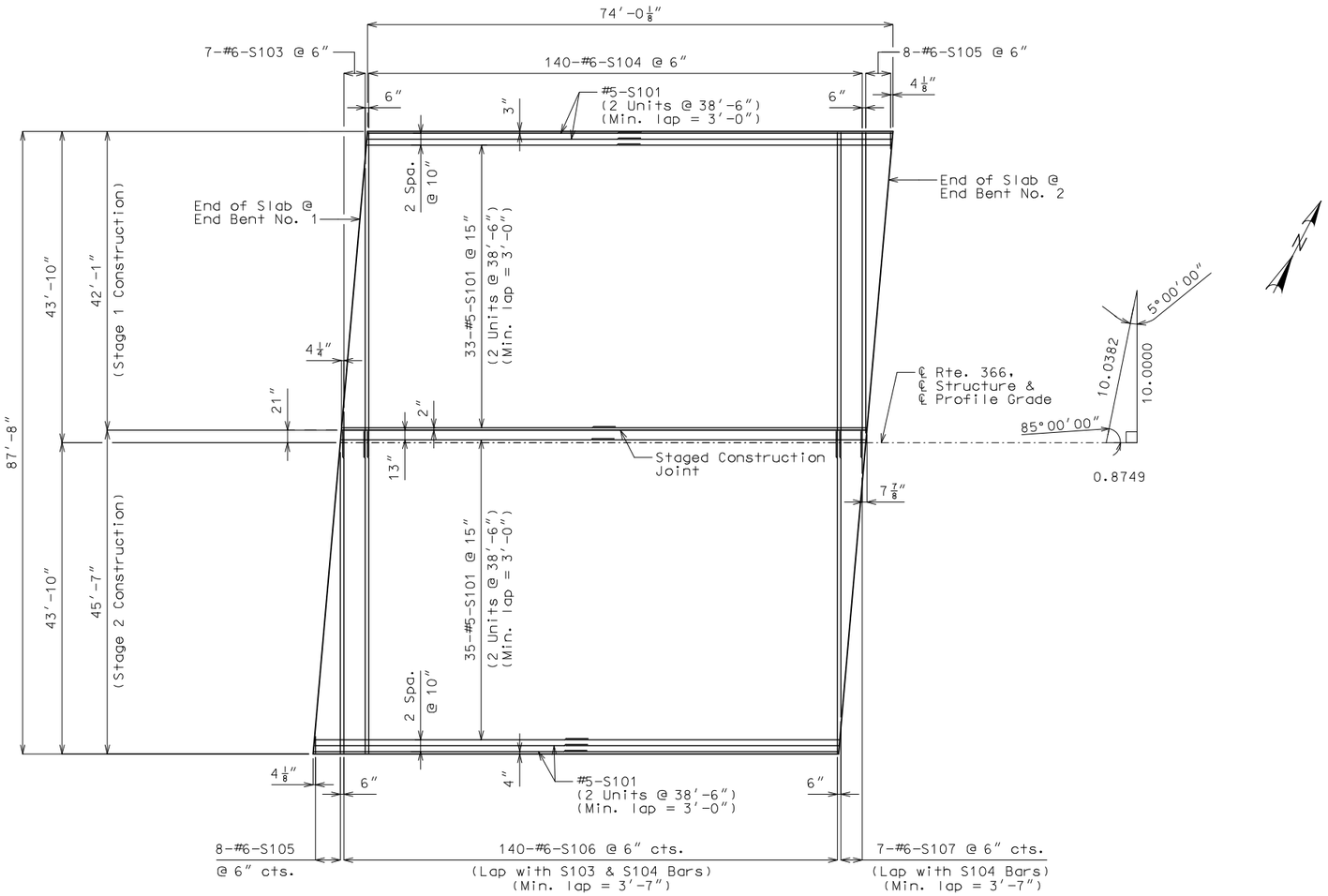

PLAN OF SLAB SHOWING TOP REINFORCEMENT

General Notes:

Longitudinal slab dimensions are measured horizontally.

End Bent reinforcement not shown for clarity.

For Staging Plans, see Sheets No. 3 & 4.

For details of Precast Prestressed Panels, see Sheet No. 14.

For Theoretical Bottom of Slab Elevations, Beam Camber Diagram and Theoretical Slab Haunching Diagram, see Sheet No. 15.

For details of Slab Reinforcement - Bottom, see Sheet No. 17.

For Section Thru Slab and details, see Sheet No. 19.

For details and reinforcement of Type D Barrier, see Sheets No. 20 & 21.

For details of Bridge Approach Slab, see Sheet No. 24.

For details of Sidewalk and Median Reinforcement, see Sheet No. 18.

SLAB REINFORCEMENT DETAILS - TOP

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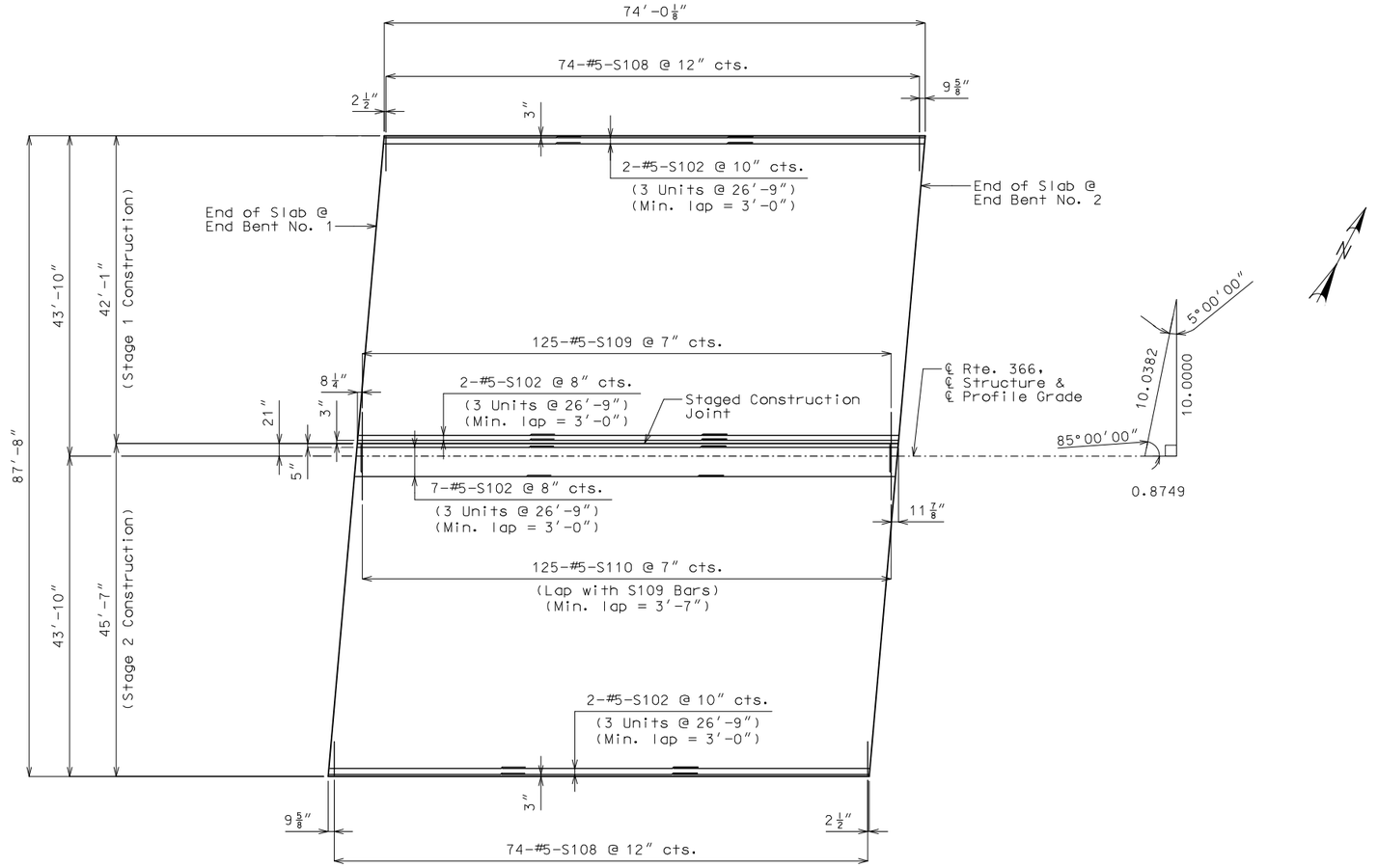

PLAN OF SLAB SHOWING BOTTOM REINFORCEMENT

General Notes:

Longitudinal slab dimensions are measured horizontally.

End Bent reinforcement not shown for clarity.

For Staging Plans, see Sheets No. 3 & 4.

For details of Precast Prestressed Panels, see Sheet No. 14.

For Theoretical Bottom of Slab Elevations, Beam Camber Diagram and Theoretical Slab Haunching Diagram, see Sheet No. 15.

For details of Slab Reinforcement - Top, see Sheet No. 16.

For Section Thru Slab and details, see Sheet No. 19.

For details and reinforcement of Type D Barrier, see Sheets No. 20 & 21.

For details of Bridge Approach Slab, see Sheet No. 24.

For details od Sidewalk and Median Reinforcement, see Sheet No. 18.

SLAB REINFORCMENT DETAILS - BOTTOM

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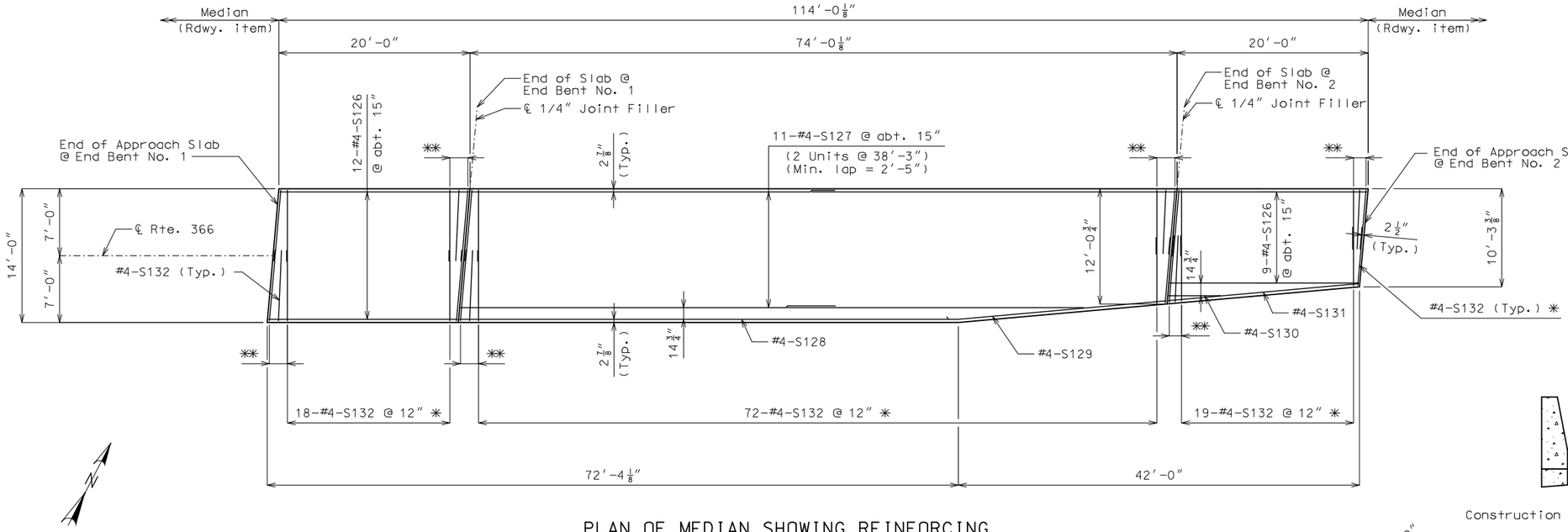
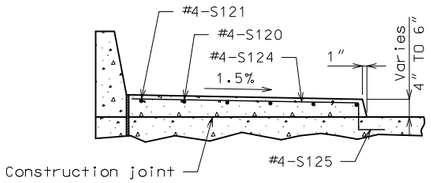
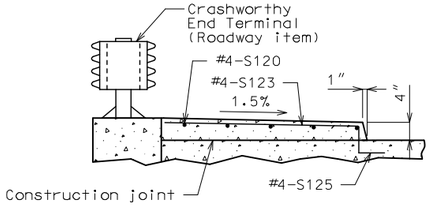


PLAN OF MEDIAN SHOWING REINFORCING



PART SECTION A-A

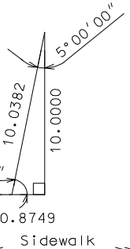


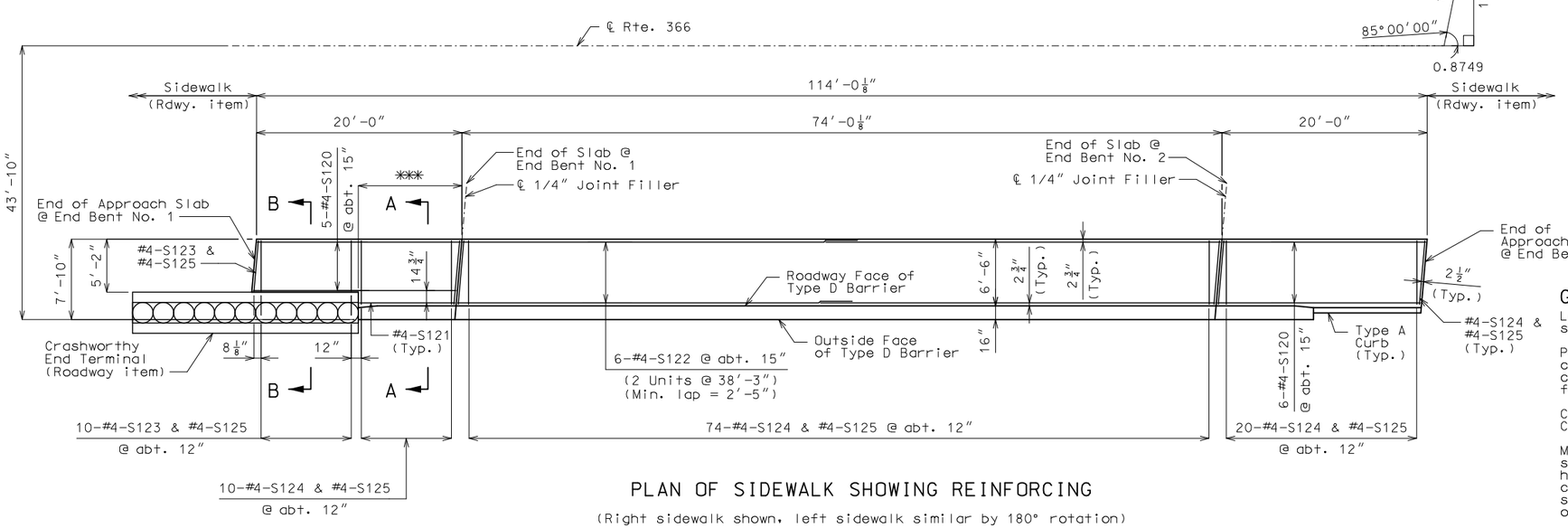
PART SECTION B-B

✳ 2 Units - 1 each side of Median (Min. lap = 12″)

✳✳ 2 Equal spaces (#4-S132)

✳✳✳ Transition Sidewalk height from 6″ @ End of Slab to 4″ @ End of Barrier





PLAN OF SIDEWALK SHOWING REINFORCING

(Right sidewalk shown, left sidewalk similar by 180° rotation)

General Notes:

Longitudinal median and sidewalk dimensions shown are horizontally.

Payment for all concrete and reinforcement, complete in place, will be considered completely covered by the contract unit price for Median and Sidewalk (Bridges) per sq. foot.

Concrete in the median and sidewalk shall be Class B-2.

Measurement of the sidewalk is to the nearest square foot for each structure, measured horizontally from the inside face of barrier, curb or end terminal slab to the inside edge of sidewalk and from end of approach slab to end of approach slab.

For Section Thru Slab, see Sheet No. 19.

For details and reinforcement of Type D Barrier not shown, see Sheets No. 20 & 21.

For details of Bridge Approach Slab, see Sheet No. 24.

DETAILS OF MEDIAN AND SIDEWALK REINFORCEMENT

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Checked Dec. 2023

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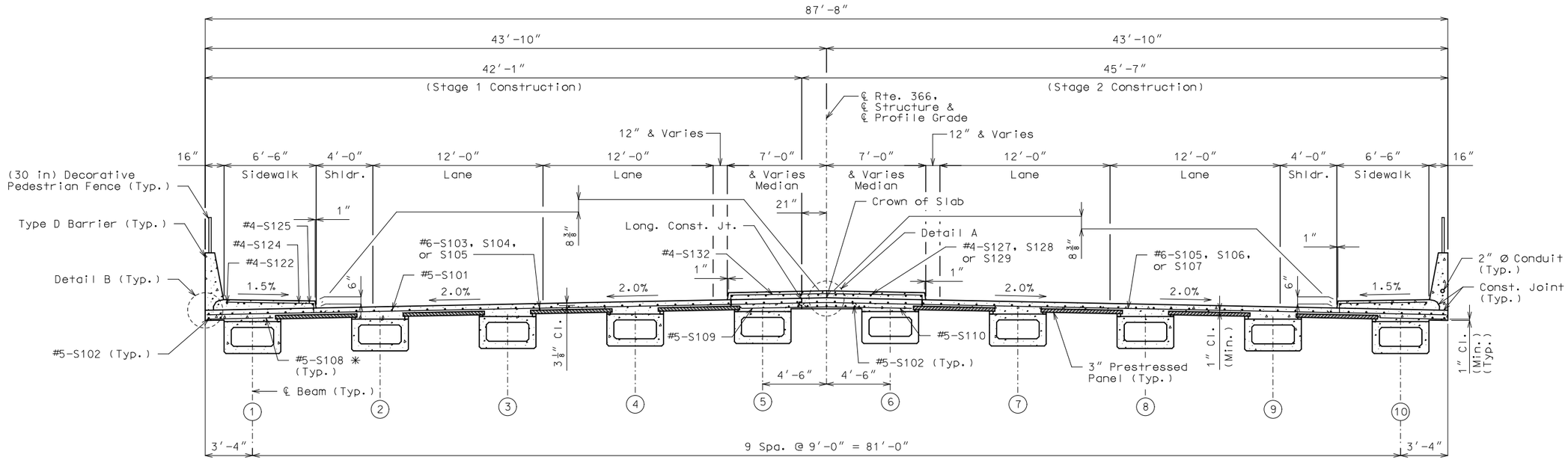
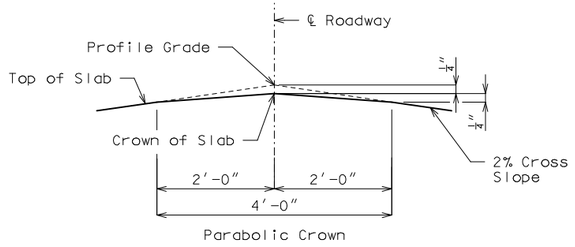
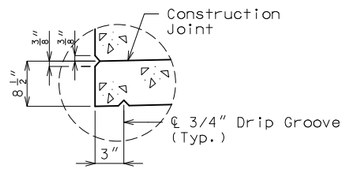


SECTION THRU SLAB

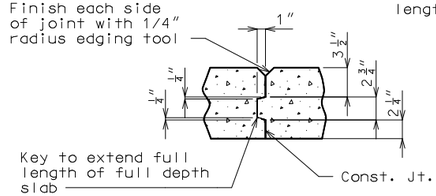
✳ Alternate bar shape available, see barrier sheets.



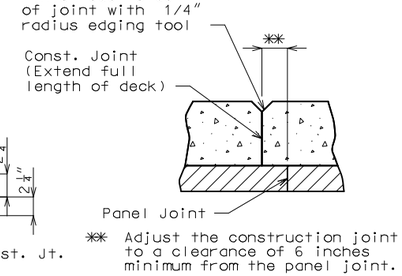
DETAIL A



DETAIL B

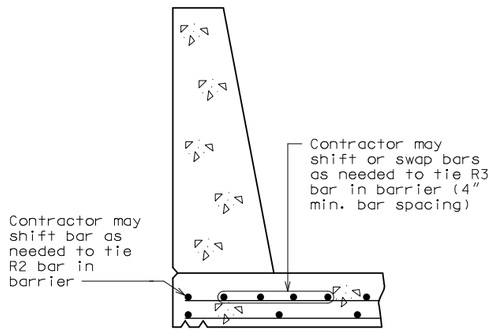


FULL DEPTH SLAB

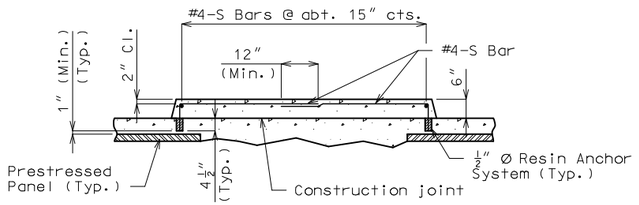


✳✳ Adjust the construction joint to a clearance of 6 inches minimum from the panel joint.

SLAB ON PANELS



OPTIONAL SHIFTING TOP BARS AT BARRIER



SECTION THRU RAISED MEDIAN BARRIER

Notes:

The contractor shall use one of the qualified resin anchor systems in accordance with Sec 1039.

Cost of furnishing and installing the resin anchor systems, complete in place, will be considered completely covered by the contract unit price for Raised Median Barrier.

The embedment depth in concrete for the resin anchor systems shall be 4½ inches. Resin Anchors shall not be embedded into Precast Prestressed Panels.

SLAB CONSTRUCTION JOINT

General Notes:

For Staging Plans, see Sheets No. 3 & 4.

For details of Precast Prestressed Panels, see Sheet No. 14.

For Theoretical Bottom of Slab Elevations, Beam Camber Diagram and Theoretical Slab Haunching Diagram, see Sheet No. 15.

For Plan of Slab Reinforcement - Top, see Sheet No. 16.

For Plan of Slab Reinforcement - Bottom, see Sheet No. 17.

For details and reinforcement of Type D Barrier not shown, see Sheets No. 20 & 21.

For details of Sidewalk and Median Reinforcement, see Sheet No. 18.

For Conduit Details, see Sheet No. 22.

The contractor shall pour and satisfactorily finish the roadway slab at a rate of not less than 25 cubic yards per hour.

The contractor shall furnish an approved retarder to retard the set of the concrete to 2.5 hours and shall pour and satisfactorily finish the slab pours at the rate given.

TYPICAL SLAB SECTION AND DETAILS

Detailed Dec. 2023
Checked Dec. 2023

Note: This drawing is not to scale. Follow dimensions.

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STATE OF MISSOURI
JOSHUA D. JOLLIFF
NUMBER PE-2006002824
PROFESSIONAL ENGINEER
02/27/2024 12:55:13 PM
Joshua D. Jolliff
MO PE-2006002824

DATE PREPARED
2/27/2024

ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
BR	19

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.
A9260

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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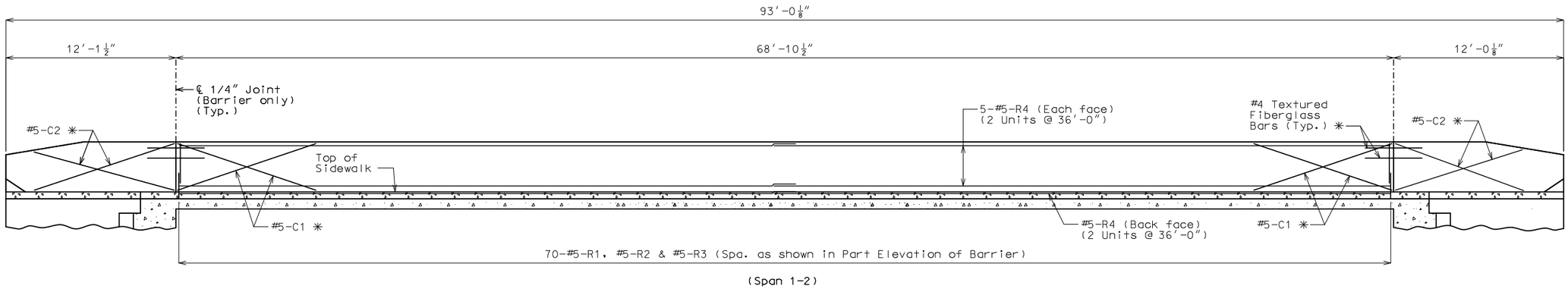
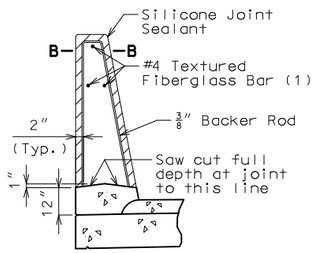


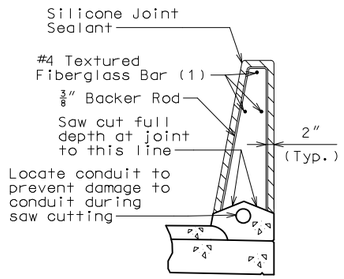
(Span 1-2)

ELEVATION OF BARRIER

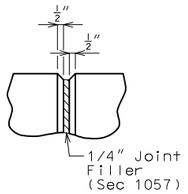
(Left barrier shown, right barrier similar by 180°rotation)
Longitudinal dimensions are horizontal.



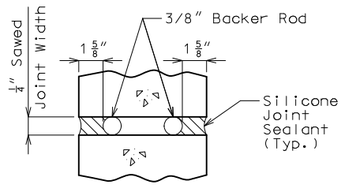
SECTION THRU SAW CUT JOINT



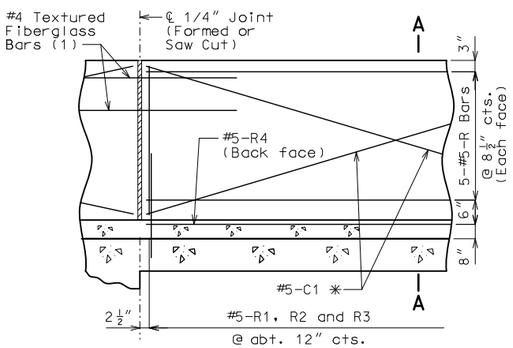
SECTION THRU SAW CUT JOINT
(RIGHT BARRIER ONLY)



PART ELEVATION AT FORMED JOINT

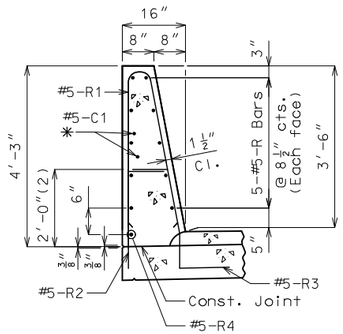


SECTION B-B



PART ELEVATION OF BARRIER

(1) Four feet long, centered on joint, slip-formed option only

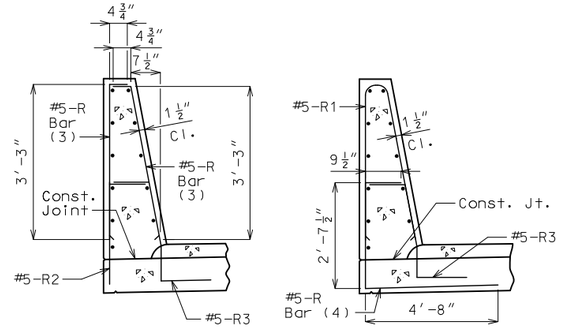


SECTION A-A

Use a minimum lap of 3′-1″ for #5 horizontal barrier bars.

The cross-sectional area above the slab is 4.48 square feet.

(2) To top of bar



R-BAR PERMISSIBLE ALTERNATE SHAPE

(3) The R1 bar may be separated into two bars as shown, at the contractor's option, only when slip forming is not used. (All dimensions are out to out.)

(4) The R2 bar and #5 bottom transverse slab bar in cantilever (prestressed panels only) combination may be furnished as one bar as shown, at the contractor's option.

General Notes:

✳ Slip-formed option only.

Conventional forming or slip forming may be used. Saw cut joints may be used with conventional forming.

Top of barrier shall be built parallel to grade and barrier joints (except at end bents) normal to grade.

All exposed edges of barrier shall have either a 1/2-inch radius or a 3/8-inch bevel, unless otherwise noted.

Payment for all concrete and reinforcement, complete in place, will be considered completely covered by the contract unit price for Type D Barrier per linear foot.

Concrete in barrier shall be Class B-1.

Measurement of barrier is to the nearest linear foot for each structure, measured along the outside top of slab from end of wing to end of wing.

Concrete traffic barrier delineators shall be placed on top of the barrier as shown on Missouri Standard Plan 617.10 and in accordance with Sec 617. Delineators on bridges with two-lane, two-way traffic shall have retroreflective sheeting on both sides. Concrete traffic barrier delineators will be considered completely covered by the contract unit price for Type D Barrier.

Joint sealant and backer rods shall be in accordance with Sec 717 for silicone joint sealant for saw cut and formed joints.

For slip-formed option, both sides of barrier shall have a vertically broomed finish and the top shall have a transversely broomed finish.

For Conduit details, see Sheet No. 22.

For Decorative Pedestrian Fence details, see Sheet No. 23.

TYPE D BARRIER

STATE OF MISSOURI
JOSHUA D. JOLLIFF NUMBER PE-2006002824
REGISTERED PROFESSIONAL ENGINEER
02/27/2024 12:55:13 PM
Joshua D. Jolliff
MO PE-2006002824

DATE PREPARED 2/27/2024
ROUTE 366 | STATE MO
DISTRICT BR | SHEET NO. 20
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO. A9260

DESCRIPTION | DATE | REV.

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Detailed Dec. 2023
Checked Dec. 2023

Note: This drawing is not to scale. Follow dimensions.

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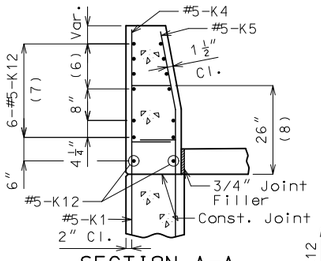
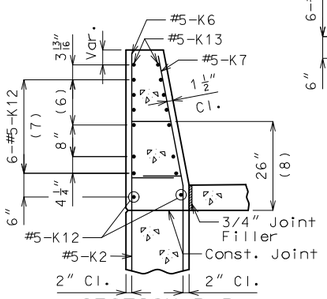
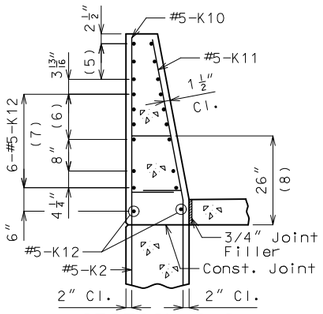


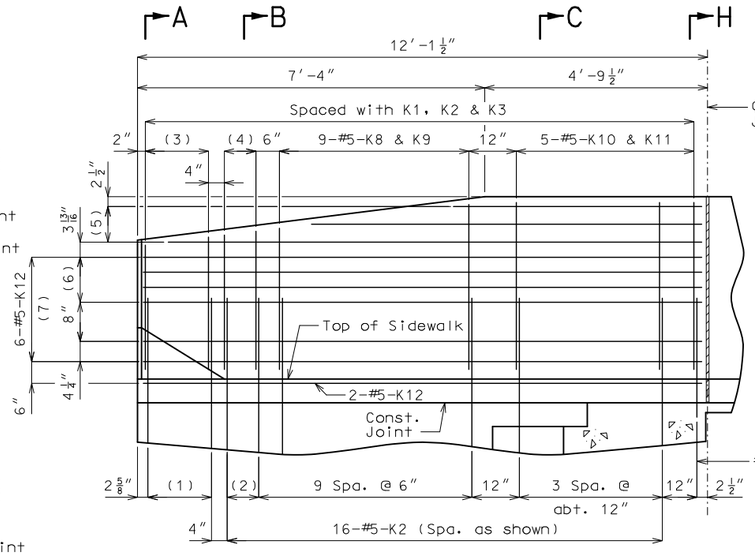
SECTION A-A

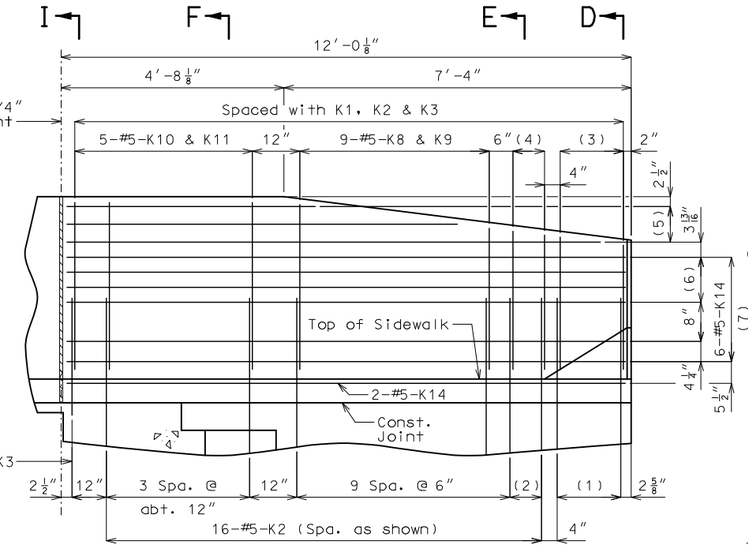


SECTION B-B

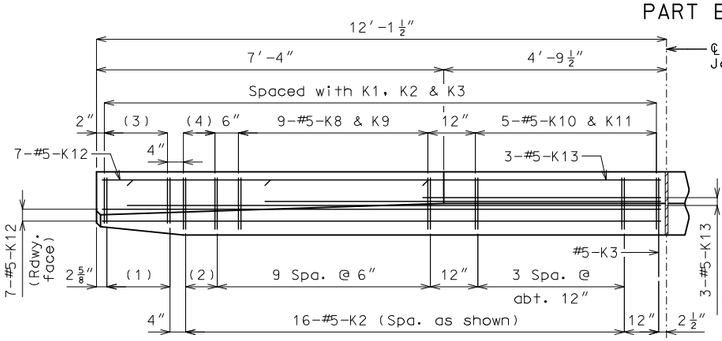


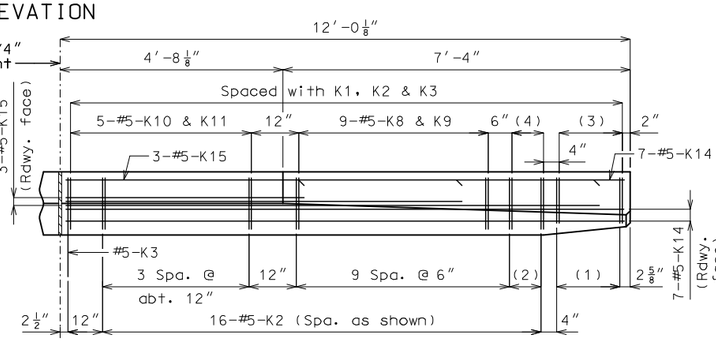
SECTION C-C





PART ELEVATION





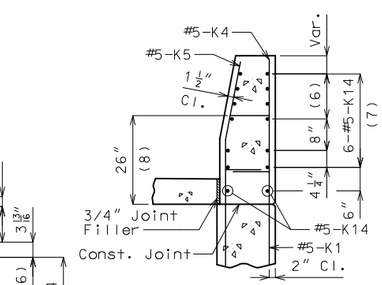
PART PLAN

ELEVATION G-G

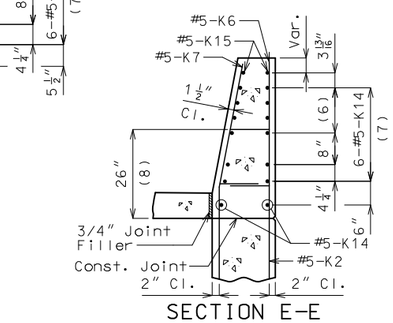
ELEVATION

SECTION H-H

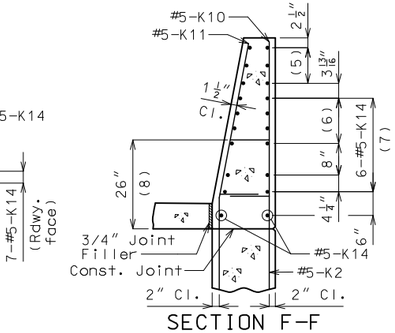
SECTION I-I



SECTION D-D



SECTION E-E



SECTION F-F

(1) 5-#5-K1 @ 4" cts.

(2) 2 spaces @ 4"

(3) 5-#5-K4 & K5

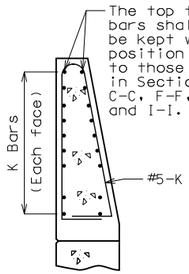
(4) 3-#5-K6 & K7

(5) 3-#5-K13 or K15 @ 4½" cts., each face

(6) 3 spaces @ 3 13/16"

(7) Spaced as shown, each face

(8) To top of bar



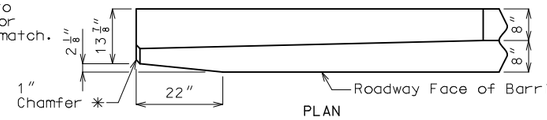
K10-K11 BAR PERMISSIBLE ALTERNATE SHAPE

(Other K bars not shown for clarity)

The K10-K11 bar combination may be furnished as one bar as shown, at the contractor's option.

All dimensions are out to out.

✳ Transition to zero at Type A curb for gutter lines to match.



PLAN

DETAILS OF BARRIER TRANSITION

General Notes:

Concrete traffic barrier delineators shall be placed on top of the barrier as shown on Missouri Standard Plan 617.10 and in accordance with Sec 617. Delineators on bridges with two-lane, two-way traffic shall have retroreflective sheeting on both sides. Concrete traffic barrier delineators will be considered completely covered by the contract unit price for Type D Barrier.

Conduit not shown for clarity. See Sheet No. 22 for Conduit details.

Decorative Pedestrian Fence not shown for clarity. See Sheet No. 23 for Decorative Pedestrian Fence details.

Reinforcing Steel:

Minimum clearance to reinforcing steel shall be 1 1/2" except as shown for bars embedded into end bent.

TYPE D BARRIER AT END BENTS

(Left barrier shown, right barrier similar)

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 21 of 29

Detailed Dec. 2023
Checked Dec. 2023

JOSHUA D. JOLLIFF NUMBER PE-2006002824 STATE OF MISSOURI

02/27/2024 12:55:13 PM
Joshua D. Jolliff
MO PE-2006002824

DATE PREPARED 2/27/2024

ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
BR	21

COUNTY ST. LOUIS

JOB NO. J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO. A9260

DESCRIPTION	DATE	REV.

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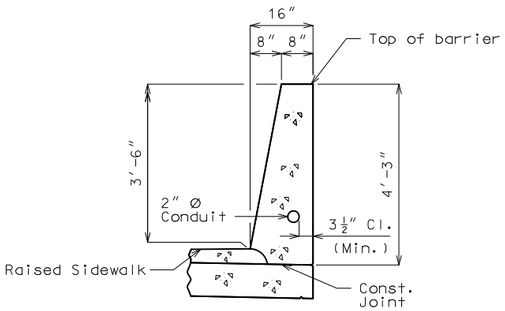
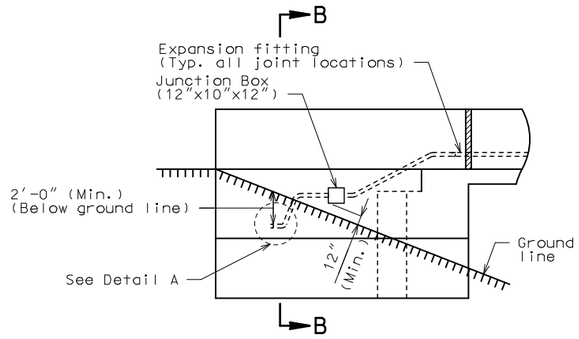
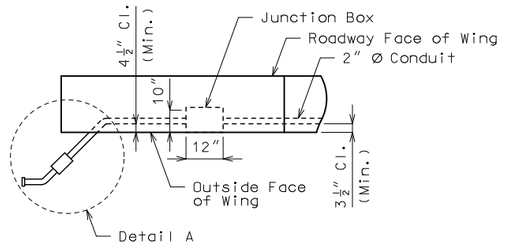


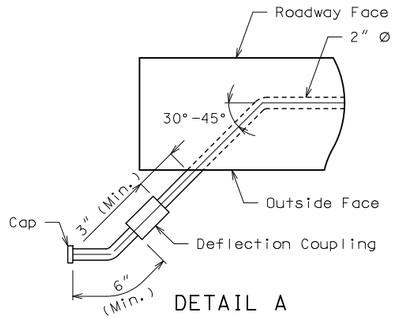
RIGHT BARRIER



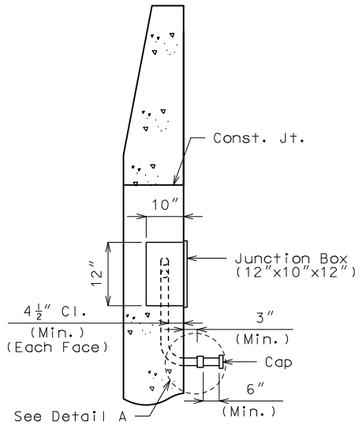
PART ELEVATION SHOWING JUNCTION BOX IN WING



PART PLAN OF TYPE D BARRIER CONDUIT SYSTEM PLACEMENT



DETAIL A



PART SECTION B-B

General Notes:

All conduits shall be rigid nonmetallic schedule 40 heavy wall polyvinyl chloride (PVC) with 3 1/2 inch minimum cover in barrier and 4 1/2 inch minimum cover in abutment wing. Each section of conduit shall bear the Underwriters Laboratories (UL) label.

Shift reinforcing steel in field where necessary to clear conduit and junction boxes.

Expansion fittings shall be placed as shown and set in accordance with the manufacturer's requirements and based on the air temperature at the time of setting given an estimated total expansion movement of 1 inch at filled joints using a maximum temperature range of 120°F and a maximum temperature of 110°F.

Drainage shall be provided at low points or other critical locations of all conduits and all junction boxes in accordance with Sec 707. All conduits shall be sloped to drain where possible.

All end bent junction boxes shall be PVC molded in accordance with Sec 1062 and designed for flush surface mounting. The conduit terminations shall be permanent or separable. The terminations and covers shall be of watertight construction and shall meet requirements for NEMA 4 or NEMA 4X enclosure.

Junction box size shown on plan may require special order. Smaller junction box may be substituted if junction box meets conduit installation, clearance and project requirements.

Payment for furnishing and installing Conduit System, complete in place, will be considered completely covered by the contract lump sum price for Conduit System on Structure.

For details and reinforcement of Type D Barrier not shown, see Sheets No. 20 & 21.

Decorative Pedestrian Fence not shown for clarity. See Sheet No. 23 for Decorative Pedestrian Fence details.

MoDOT Construction Personnel: Indicate in field and on bridge plans for future work the exact loaction of buried conduit at ends of bridge that are capped and not immediately used.

CONDUIT DETAILS

Detailed Dec. 2023
Checked Dec. 2023

Note: This drawing is not to scale. Follow dimensions.

STATE OF MISSOURI
JOSHUA D. JOLLIFF
NUMBER PE-2006002824
PROFESSIONAL ENGINEER
02/27/2024 12:55:13 PM
Joshua D. Jolliff
MO PE-2006002824

DATE PREPARED: 2/27/2024
ROUTE: 366 | STATE: MO
DISTRICT: BR | SHEET NO.: 22
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.: A9260

DESCRIPTION | DATE | REV.

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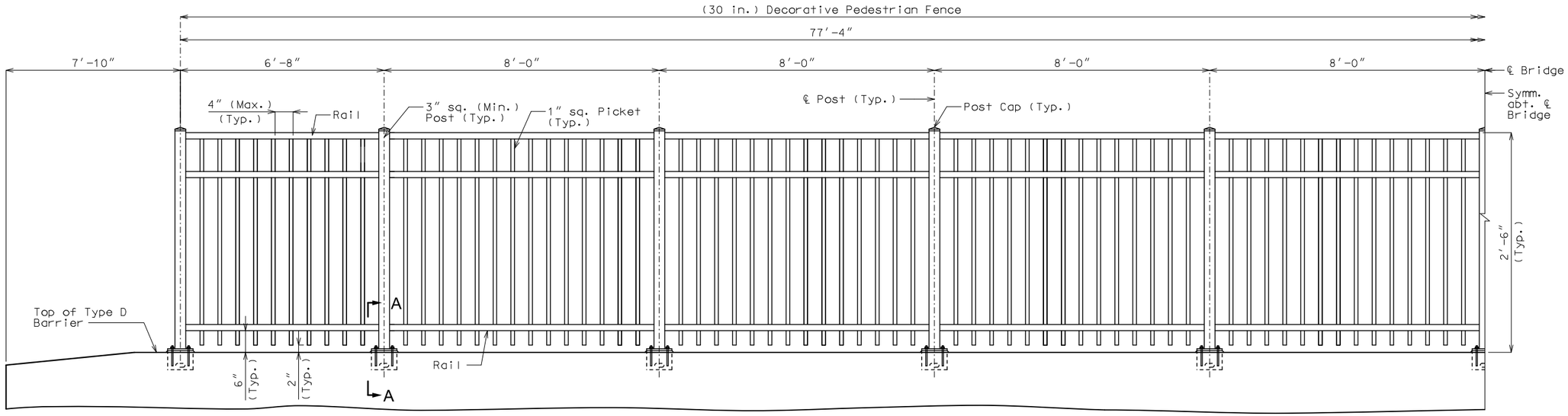
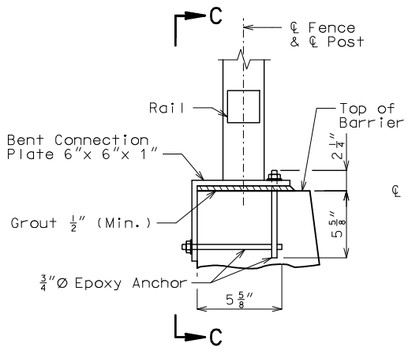
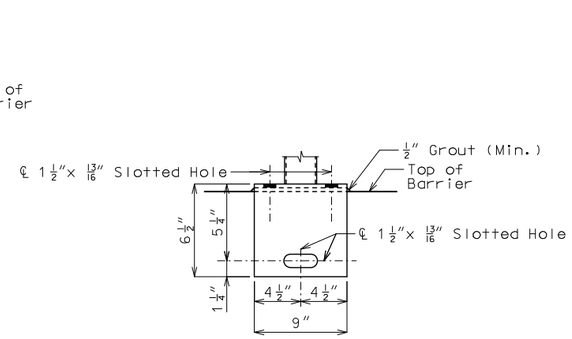


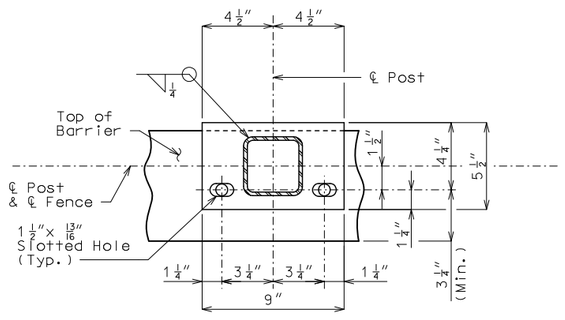
HALF ELEVATION OF FENCE



SECTION A–A



ELEVATION C–C



PART PLAN SHOWING CONNECTION PLATE

General Notes:

These details are a general representation of a Decorative Pedestrian Fence. The actual fence components and component positions may be different than what is shown.

Fence shall have a gloss black finish (Federal Standard #17038). See special provisions.

Base plate shall be ASTM A709, Grade 50.

All base plates, hex nuts and washers shall be galvanized in accordance with ASTM A123 and Sec 1081.

Measurement of pedestrian fence will be made horizontally and to the nearest linear foot along centerline fence.

Payment for furnishing and erecting the fence complete in place will be considered completely covered by the contract unit price for (30 in.) Decorative Pedestrian Fence (Structures).

All fence posts shall be vertical.

Mortar shall be placed under the post base plates in accordance with Sec 1066.

Decorative pedestrian fencing shall be in accordance with 2020-AASHTO LRFD Bridge Design Specifications, 9th Ed.

Shop drawings and structural calculations will not be required for the decorative pedestrian fences on the Bridge Pre-qualified Products List.

All materials used in fabrication and construction of the decorative pedestrian fencing shall be in accordance with the manufacturer's specifications, except as modified in the contract documents.

Decorative pedestrian fencing system shall be supplied by only one manufacturer. Decorative pedestrian fencing system shall include all components except the anchor bolts and hardware. The assembly of the pickets to the rails and the rails to the posts shall be the same as the style mentioned for the manufacturer.

See Bridge Pre-qualified Products List (BPPL) for a list of approved manufacturers.

The contractor shall use one of the qualified resin anchor systems in accordance with Sec 1039.

Cost of furnishing and installing the resin anchor systems, complete in place, will be considered completely covered by the contract unit price for Decorative Pedestrian Fence.

The minimum embedment depth in concrete with f′c = 4,000 psi for the resin anchor systems shall be that required to meet the minimum ultimate pullout strength in accordance with Sec 1039 but shall not be less than 5″.

DECORATIVE PEDESTRIAN FENCE DETAILS

Detailed Dec. 2023
Checked Dec. 2023

Note: This drawing is not to scale. Follow dimensions.

STATE OF MISSOURI
JOSHUA D. JOLLIFF
NUMBER PE-2006002824
PROFESSIONAL ENGINEER
02/27/2024 12:55:13 PM
Joshua D. Jolliff
MO PE-2006002824

DATE PREPARED 2/27/2024

ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
BR	23

COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.: A9260

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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SPRINGFIELD, MO 65807 (417) 869-6009
ENGINEERING CORPORATION - 000631

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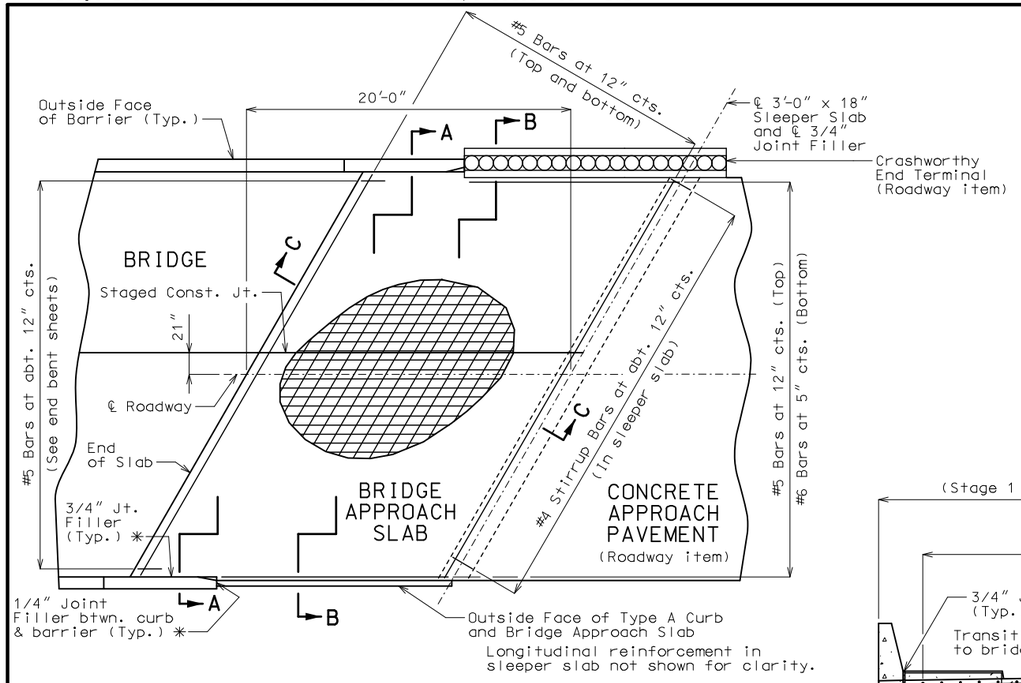
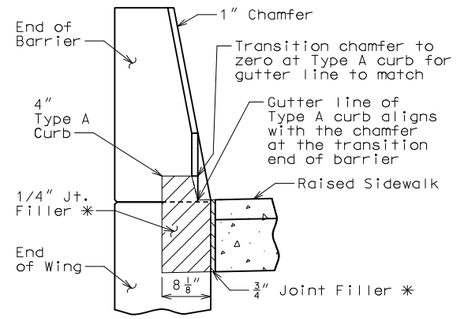
REV.

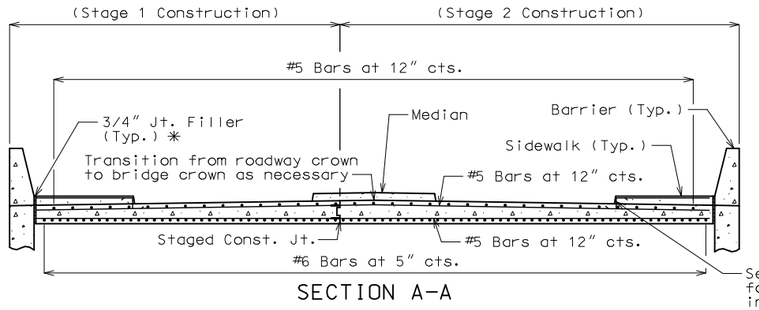


PART PLAN SHOWING REINFORCEMENT

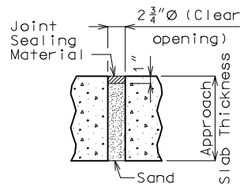
Note: Median and Sidewalk not shown for clarity.



SECTION BETWEEN CURB AND BARRIER

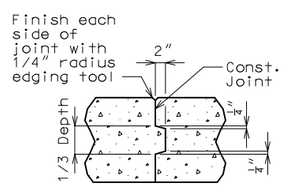


SECTION A-A

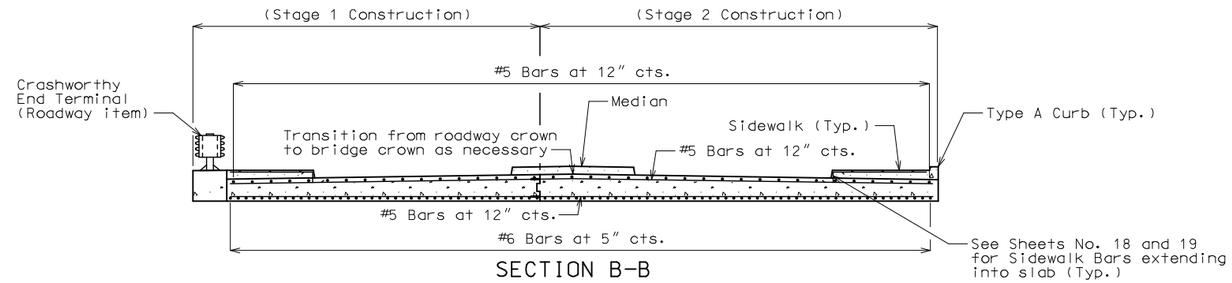


UNDERSEAL ACCESS HOLE DETAIL

(If required)

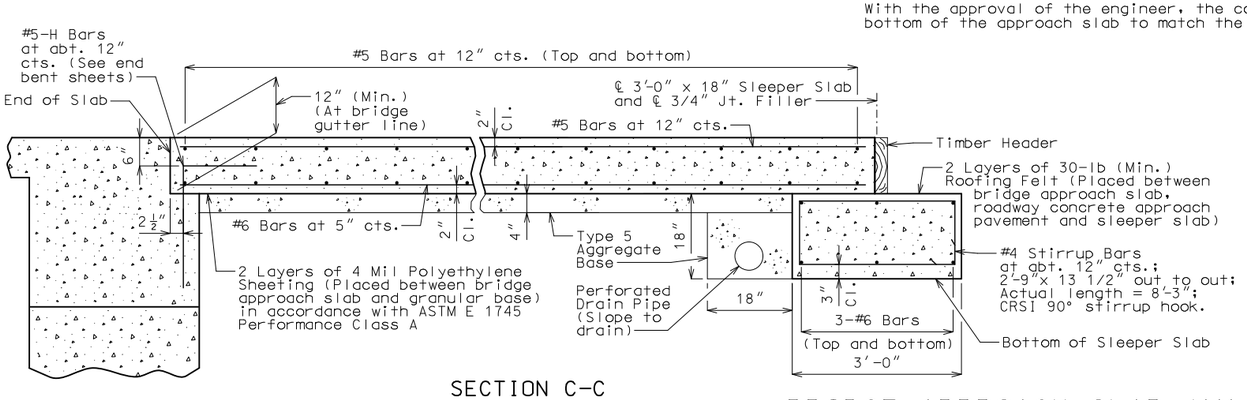


CONSTRUCTION JOINT DETAIL

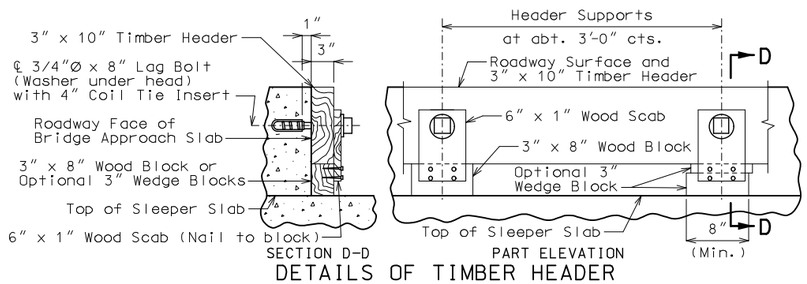


SECTION B-B

With the approval of the engineer, the contractor may crown the bottom of the approach slab to match the crown of the roadway surface.



SECTION C-C



DETAILS OF TIMBER HEADER

Remove timber header when concrete pavement is placed.

General Notes:

All concrete for the bridge approach slab and sleeper slab shall be in accordance with Sec 503 (f'c = 4,000 psi).

The reinforcing steel in the bridge approach slab and the sleeper slab shall be epoxy coated Grade 60 with fy = 60,000 psi.

Drain pipe may be either 6" diameter corrugated metallic-coated pipe underdrain, 4" diameter corrugated polyvinyl chloride (PVC) drain pipe, or 4" diameter corrugated polyethylene (PE) drain pipe.

Minimum clearance to reinforcing steel shall be 1 1/2", unless otherwise shown.

The reinforcing steel in the bridge approach slab and the sleeper slab shall be continuous. The transverse reinforcing steel may be made continuous by providing a minimum lap splice of 29 inches for #5 bars and 44 inches for #6 bars, or by mechanical bar splice.

Mechanical bar splices shall be in accordance with Sec 710. (Estimated 48 splices per slab)

All joint filler shall be in accordance with Sec 1057 for preformed fiber expansion joint filler except as noted.

The contractor shall pour and satisfactorily finish the bridge slab before placing the bridge approach slab.

Longitudinal construction joints in approach slab and sleeper slab shall be aligned with longitudinal construction joints in bridge slab.

For concrete approach pavement details, see roadway plans.

See Missouri Standard Plan 609.00 for details of Type A curb.

Payment for furnishing all materials, labor and excavation necessary to construct the approach slab, including the timber header, sleeper slab, underdrain, Type 5 aggregate base, joint filler and all other appurtenances and incidental work as shown on this sheet, complete in place, will be considered completely covered by the contract unit price for Bridge Approach Slab (Major) per square yard.

✳ Seal joint between vertical face of approach slab and wing with sealant in accordance with Sec 717 for silicone joint sealant for saw cut and formed joints.

STATE OF MISSOURI
JOSHUA D. JOLLIFF
NUMBER PE-2006002824
PROFESSIONAL ENGINEER
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DATE PREPARED 2/27/2024

ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
BR	24

COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.: A9260

DATE	DESCRIPTION	REV.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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ENGINEERING CORPORATION - 000631

Detailed Dec. 2023
Checked Dec. 2023

Note: This drawing is not to scale. Follow dimensions.

BRIDGE APPROACH SLAB (MAJOR)

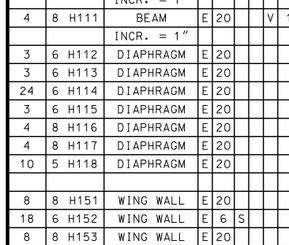
barbill_i Effective: May 2016 Supersedes: Aug. 2008

BILL OF REINFORCING STEEL

NO. REQ'D.	MARK NO. SIZE	MARK	LOCATION	EPOXY (E)	SHAPE NO.	STIRRUP (S)	SUBSTR. (X)	VARIES (V)	NO. EACH	DIMENSIONS B FT.	B IN.	C FT.	C IN.	D FT.	D IN.	E FT.	E IN.	F FT.	F IN.	H FT.	H IN.	K FT.	K IN.	NOMINAL LENGTH FT.	NOMINAL LENGTH IN.	ACTUAL LENGTH FT.	ACTUAL LENGTH IN.	WEIGHT LBS.
			END BENT 1																									
3	6	F101	DIAPHRAGM	E	21					2	7.500	6	10.000		13.000					2	7.500		2.750	10	7	10	4	47
3	6	F102	DIAPHRAGM	E	21					2	7.500		13.000	6	7.500					2	7.500		2.750	10	4	10	1	46
9	6	F103	WING BRACE	E	15					2	3.000	5	5.500		14.000	10.250		9.500		18.250		20.000		8	11	8	9	119
8	6	F104	WING BRACE	E	15						14.000	5	0.750	2	3.000	20.000		18.500		9.500		10.250		8	6	8	4	101
85	5	H101	DIAPHRAGM	E	19					2	0.000		15.000											3	3	3	2	281
4	8	H102	BEAM	E	20					42	1.000													42	1	42	1	450
4	8	H103	BEAM	E	20					45	7.000													45	7	45	7	487
4	8	H104	BEAM	E	20					42	1.000													42	1	42	1	450
4	8	H105	BEAM	E	20					45	7.000													45	7	45	7	487
4	6	H106	BEAM	E	20					42	1.000													42	1	42	1	253
4	6	H107	BEAM	E	20					45	7.000													45	7	45	7	274
4	8	H108	BEAM	E	20					15	2.000													15	2	15	2	162
4	8	H109	BEAM	E	20					24	6.000													24	6	24	6	262
4	8	H110	BEAM	E	20			V	1	16	4.750													16	5	16	5	
			INCR. = 1"							16	1.750													16	2	16	2	174
4	8	H111	BEAM	E	20			V	1	19	7.000													19	7	19	7	
			INCR. = 1"							19	4.000													19	4	19	4	208
3	6	H112	DIAPHRAGM	E	20					42	1.000													42	1	42	1	190
3	6	H113	DIAPHRAGM	E	20					45	7.000													45	7	45	7	206
24	6	H114	DIAPHRAGM	E	20					4	9.000													4	9	4	9	172
3	6	H115	DIAPHRAGM	E	20					4	0.000													4	0	4	0	19
4	8	H116	DIAPHRAGM	E	20					42	1.000													42	1	42	1	450
4	8	H117	DIAPHRAGM	E	20					45	7.000													45	7	45	7	487
10	5	H118	DIAPHRAGM	E	20					6	6.000													6	6	6	6	68
8	8	H151	WING WALL	E	20					11	6.000													11	6	11	6	246
18	6	H152	WING WALL	E	6	S				10	8.000		12.000											11	8	11	7	314
8	8	H153	WING WALL	E	20					11	6.000													11	6	11	6	246
18	6	H154	WING WALL	E	6	S				10	8.000		12.000											11	8	11	7	314
114	6	U101	DIAPHRAGM	E	19	S				2	11.000	4	7.000											7	6	7	5	1270
46	5	U102	DIAPHRAGM	E	31	S				2	11.000	2	3.000	2	11.000									9	0	8	10	424
46	6	U103	DIAPHRAGM	E	19	S				2	3.000	2	9.000											5	0	4	10	334
22	5	U104	BEAM	E	31	S				5	0.000	2	9.000	5	0.000									13	8	13	6	310
21	5	U105	BEAM	E	31	S				5	5.000	2	9.000	5	5.000									14	6	14	4	314
4	4	U106	BEAM	E	10	S						2	8.000	2	9.000									8	1	7	11	22
4	4	U107	BEAM	E	10	S						3	1.000	2	9.000									8	11	8	9	24
8	4	U108	BEAM	E	10	S						3	3.750	2	9.000									9	5	9	3	50
23	4	U109	BEAM	E	13	S				2	9.000	2	8.000	2	9.000	2	8.000							11	7	11	4	175
21	4	U110	BEAM	E	13	S				2	9.000	3	1.000	2	9.000	3	1.000							12	5	12	2	171
24	4	U111	BEAM	E	13	S				2	9.000	3	3.750	2	9.000	3	3.750							12	11	12	8	204
60	6	V101	DIAPHRAGM	E	20					2	3.000													2	3	2	3	203
6	5	V102	BEAM	E	17					5	0.000													5	7	5	7	35
2	6	V151	WING WALL	E	20					6	8.000													6	8	6	8	21
18	6	V152	WING WALL	E	20			V	2	6	7.500													6	8	6	8	
			INCR. = 0.5"							6	3.500													6	4	6	4	176
2	6	V153	WING WALL	E	20					6	11.000													6	11	6	11	184
18	6	V154	WING WALL	E	20			V	2	6	11.000													6	11	6	11	
			INCR. = 0.5"							6	7.000													6	7	6	7	183

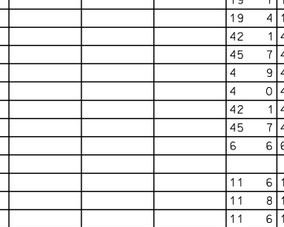
BILL OF REINFORCING STEEL

NO. REQ'D.	MARK NO. SIZE	MARK	LOCATION	EPOXY (E)	SHAPE NO.	STIRRUP (S)	SUBSTR. (X)	VARIES (V)	NO. EACH	DIMENSIONS B FT.	B IN.	C FT.	C IN.	D FT.	D IN.	E FT.	E IN.	F FT.	F IN.	H FT.	H IN.	K FT.	K IN.	NOMINAL LENGTH FT.	NOMINAL LENGTH IN.	ACTUAL LENGTH FT.	ACTUAL LENGTH IN.	WEIGHT LBS.
			END BENT 2																									
3	6	F201	DIAPHRAGM	E	21					2	7.500	6	9.750		13.000					2	7.250		2.750	10	7	10	4	47
3	6	F202	DIAPHRAGM	E	21					2	7.500		13.000	6	7.500					2	7.500		2.750	10	4	10	1	46
8	6	F203	WING BRACE	E	15					2	3.000	5	5.500		14.000	10.250		9.500		18.250		20.000		8	11	8	9	106
8	6	F204	WING BRACE	E	15						14.000	5	0.750	2	3.000	20.000		18.500		9.500		10.250		8	6	8	4	101
85	5	H201	DIAPHRAGM	E	19					2	0.000		15.000											3	3	3	2	281
4	8	H202	BEAM	E	20					42	1.000													42	1	42	1	450
4	8	H203	BEAM	E	20					45	7.000													45	7	45	7	487
4	8	H204	BEAM	E	20					42	1.000													42	1	42	1	450
4	8	H205	BEAM	E	20					45	7.000													45	7	45	7	487
4	6	H206	BEAM	E	20					42	1.000													42	1	42	1	253
4	6	H207	BEAM	E	20					45	7.000													45	7	45	7	274
4	8	H208	BEAM	E	20					15	7.000													15	7	15	7	167
4	8	H209	BEAM	E	20					15	3.000													15	3	15	3	163
4	8	H210	BEAM	E	20			V	1	16	0.500													16	1	16	1	
			INCR. = 1"							15	9.500													15	10	15	10	171
4	8	H211	BEAM	E	20			V	1	19	11.250													20	0	20	0	
			INCR. = 1"							19	8.250													19	9	19	9	213
3	6	H212	DIAPHRAGM	E	20					42	1.000													42	1	42	1	190
3	6	H213	DIAPHRAGM	E	20					45	7.000													45	7	45	7	206
24	6	H214	DIAPHRAGM	E	20					4	9.000													4	9	4	9	172
3	6	H215	DIAPHRAGM	E	20					4	0.000													4	0	4	0	19
4	8	H216	DIAPHRAGM	E	20					42	1.000													42	1	42	1	450
4	8	H217	DIAPHRAGM	E	20					45	7.000													45	7	45	7	487
10	5	H218	DIAPHRAGM	E	20					6	6.000													6	6	6	6	68
8	8	H251	WING WALL	E	20					11	6.000													11	6	11	6	246
18	6	H252	WING WALL	E	6	S				10	8.000		12.000											11	8	11	7	314
8	8	H253	WING WALL	E	20					11	6.000													11	6	11	6	246
16	6	H254	WING WALL	E	6	S				10	8.000		12.000											11	8	11	7	279
114	6	U201	DIAPHRAGM	E	19	S				2	11.000	4	7.000											7	6	7	5	1270
45	5	U202	DIAPHRAGM	E	31	S				2	10.000	2	3.000	2	10.000									8	10	8	8	407
45	6	U203	DIAPHRAGM	E	19	S				2	2.000	2	9.000											4	11	4	9	322
14	5	U204	BEAM	E	31	S				5	0.000	2	9.000	5	0.000									13	8	13	6	198
20	5	U205	BEAM	E	31	S				5	5.000	2	9.000	5	5.000									14	6	14	4	299
4	4	U206	BEAM	E	10	S						2	8.000	2	9.000									8	1	7	11	22
5	4	U207	BEAM	E	10	S						3	3.250	2	9.000									9	4	9	2	31
32	4	U208	BEAM	E	13	S				2	9.000	2	8.000	2	9.000	2	8.000							11	7	11	4	243
16	4	U209	BEAM	E	13	S				2	9.000	3	1.000	2	9.000	3	1.000							12	5	12	2	131
27	4	U210	BEAM	E	13	S				2	9.000	3	3.250	2	9.000	3	3.250							12	10	12	7	227
60	6	V201	DIAPHRAGM	E	20					2	2.000													2	2	2	2	196
12	5	V202	BEAM	E	17					5	0.000													5	7	5	7	70
10	5	V203	BEAM	E	17					5	5.000													6	0	6	0	63
2	6	V251	WING WALL	E	20					6	1.000													6	1	6	1	19
18	6	V252	WING WALL	E	20			V	2	6	1.750													6	2	6	2	
			INCR. = 0.25"							6	3.750													6	4	6	4	169
2	6	V253	WING WALL	E	20					5	11.000													5	11	5	11	164
18	6	V254	WING WALL	E	20			V	2	5	11.500													6	0	6	0	
			INCR. = 0.25"							6	1.500													6	2	6	2	165
			SLAB																									
144	5	S101	SLAB	E	20					38	6.000													38	6	38	6	5783



STIRRUP HOOK DIMENSIONS				
GRADES 40 - 50 - 60 KSI				
BAR SIZE	D (IN.)	90° HOOK	135° HOOK	
		HOOK A OR G	HOOK A OR G	APPROX. H
#4	2"	4 1/2"	4 1/2"	3"
#5	2 1/2"	6"	5 1/2"	3 3/4"
#6	4 1/2"	12"	8"	4 1/2"

NOTE: UNLESS OTHERWISE NOTED, DIAMETER "D" IS THE SAME FOR ALL BENDS AND HOOKS ON A BAR.



END HOOK DIMENSIONS				
BAR SIZE	D (IN.)	ALL GRADES		
		180° HOOKS		90° HOOKS
		A OR G	J	A OR G
#3	2 1/4"	5"	3"	6"
#4	3"	6"	4"	8"
#5	3 3/4"	7"	5"	10"
#6	4 1/2"	8"	6"	12"
#7	5 1/4"	10"	7"	14"
#8	6"	11"	8"	16"
#9	9 1/2"	15"	11 3/4"	19"
#10	10 3/4"	17"	13 1/4"	22"
#11	12"	19"	14 3/4"	2'-0"
#14	18 1/4"	2'-3"	21 3/4"	2'-7"

NOTE:
ALL STANDARD HOOKS AND BENDS OTHER THAN 180 DEGREE ARE TO BE BENT WITH SAME PROCEDURE AS FOR 90 DEGREE STANDARD HOOKS.

HOOKS AND BENDS SHALL BE IN ACCORDANCE WITH THE PROCEDURES AS SHOWN ON THIS SHEET.

E = EPOXY COATED REINFORCEMENT.
S = STIRRUP.
X = BAR IS INCLUDED IN SUBSTRUCTURE QUANTITIES.
V = BAR DIMENSIONS VARY IN EQUAL INCREMENTS BETWEEN DIMENSIONS SHOWN ON THIS LINE AND THE FOLLOWING LINE.
NO. EA. = NUMBER OF BARS OF EACH LENGTH.

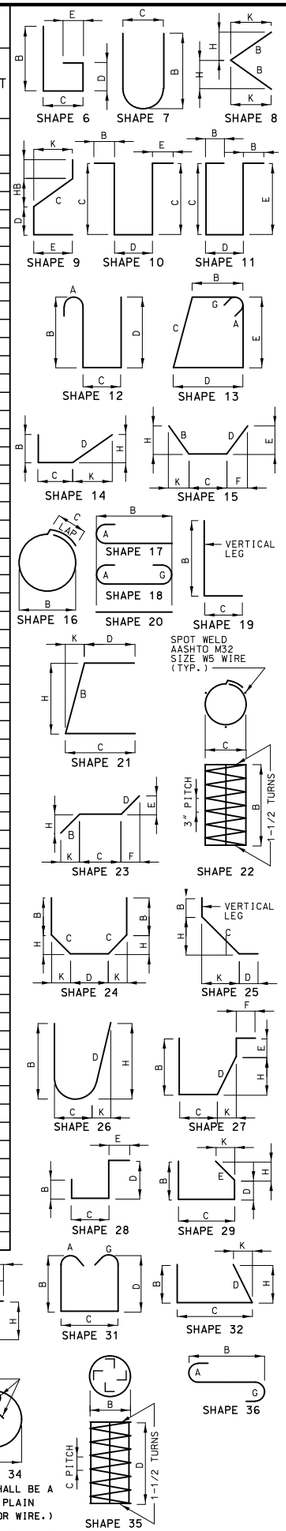
NOMINAL LENGTHS ARE BASED ON OUT TO OUT DIMENSIONS SHOWN IN BENDING DIAGRAMS AND ARE LISTED FOR FABRICATORS USE. (NEAREST INCH)

ACTUAL LENGTHS ARE MEASURED ALONG CENTERLINE BAR TO THE NEAREST INCH.

PAYWEIGHTS ARE BASED ON ACTUAL LENGTHS.

FOUR ANGLE OR CHANNEL SPACERS ARE REQUIRED FOR EACH COLUMN SPIRAL. SPACERS ARE TO BE PLACED ON INSIDE OF SPIRALS. LENGTH AND WEIGHT OF COLUMN SPIRALS DO NOT INCLUDE SPLICES OR SPACERS.

REINFORCING STEEL (GRADE 60) FY = 60.000 PSI.



BENDING DIAGRAMS

JOSHUA D. JOLLIFF NUMBER PE-2006002824
02/27/2024 12:55:13 PM
Joshua D. Jolliff
MO PE-2006002824

DATE PREPARED: 2/27/2024
ROUTE: 366 STATE: MO
DISTRICT: BR SHEET NO.: 25
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.: A9260

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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REV.

Detailed Dec. 2023
Checked Dec. 2023

Note: This drawing is not to scale. Follow dimensions.

L:\MoDOT\21040901-00\Draw\Structures\Sheets\B_A9260_025_J6S3582_Bill_of_Reinforcing1.dgn 11:52:37 AM 2/27/2024

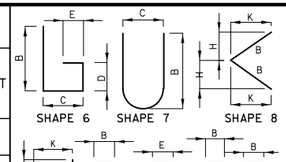
barbill_i Effective: May 2016 Supersedes: Aug. 2008

BILL OF REINFORCING STEEL

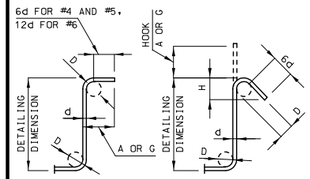
NO. REQ'D.	MARK NO. SIZE	MARK	LOCATION	EPOXY (E)	SHAPE NO.	STIRRUP (S)	SUBSTR. (X)	VARIES (V)	NO. EACH	DIMENSIONS B FT.	B IN.	C FT.	C IN.	D FT.	D IN.	E FT.	E IN.	F FT.	F IN.	H FT.	H IN.	K FT.	K IN.	NOMINAL LENGTH FT.	NOMINAL LENGTH IN.	ACTUAL LENGTH FT.	ACTUAL LENGTH IN.	WEIGHT LBS.
39	5	S102	SLAB	E	20					26	9.000													26	9	26	9	1089
7	6	S103	SLAB	E	20			V	1	40	7.500													40	8	40	8	
			INCR. = 5.719′							6	4.000													6	4	6	4	248
140	6	S104	SLAB	E	20					45	8.000													45	8	45	8	454
16	6	S105	SLAB	E	20			V	2	42	3.250													42	4	42	4	
			INCR. = 5.719′							2	3.250													2	4	2	4	537
140	6	S106	SLAB	E	20					45	3.000													45	3	45	3	9516
7	6	S107	SLAB	E	20			V	1	40	2.500													40	3	40	3	
			INCR. = 5.719′							5	11.000													5	11	5	11	243
148	5	S108	SLAB	E	20					4	8.000													4	8	4	8	721
125	5	S109	SLAB	E	20					8	1.000													8	1	8	1	1054
125	5	S110	SLAB	E	20					7	7.000													7	7	7	7	989
																												4543
																												18857
			SIDEWALK																									19736
																												8126
11	4	S120	SIDEWALK	E	20					19	8.000													19	8	19	8	145
1	4	S121	SIDEWALK	E	20					9	3.000													9	3	9	3	7
12	4	S122	SIDEWALK	E	20					38	3.000													38	3	38	3	307
11	4	S123	SIDEWALK	E	20					4	10.000													4	10	4	10	36
109	4	S124	SIDEWALK	E	20					6	2.000													6	2	6	2	450
120	4	S125	SIDEWALK	E	28							6.000		8.500		6.000								1	9	1	7	127
			MEDIAN																									
																												1300
																												12454
21	4	S126	MEDIAN	E	20					19	8.000													19	8	19	8	276
22	4	S127	MEDIAN	E	20					38	3.000													38	3	38	3	563
1	4	S128	MEDIAN	E	20					52	2.000													52	2	52	2	35
1	4	S129	MEDIAN	E	14							12.000		21	10.250					1	11.250	21	9.000	22	11	22	11	16
1	4	S130	MEDIAN	E	20					6	5.000													6	5	6	5	5
1	4	S131	MEDIAN	E	20					19	11.000													19	11	19	11	14
236	4	S132	MEDIAN	E	19	S					8.500	7	4.500											8	1	8	0	1262
			TYPE D BARRIER																									
																												6220
140	5	R1	BARRIER	E	26					3	3.000		5.500	3	0.750					3	3.000		6.750	6	11	6	8	1085
140	5	R2	BARRIER	E	19	S				2	5.500		9.500											3	3	3	2	463
140	5	R3	BARRIER	E	27	S							9.500		15.250		14.000		12.000		15.000		3.000	4	3	4	1	597
44	5	R4	BARRIER	E	20					36	0.000													36	0	36	0	1653
20	5	K1	BARRIER	E	27	S				4	5.000		9.250		5.250	3	11.750				5.250		1.000	9	8	9	6	199
64	5	K2	BARRIER	E	27	S				4	5.000		9.250		14.500	3	2.750				14.250		2.750	9	8	9	6	635
4	5	K3	BARRIER	E	27	S				2	7.500		9.250		14.750		16.750		12.000		14.500		2.750	7	1	6	9	29
20	5	K4	BARRIER	E	19	S		V	4	2	4.250		10.000											3	3	3	1	
			INCR. = 0.5″							2	6.250		10.000											3	5	3	3	67
20	5	K5	BARRIER	E	14	S		V	4		8.250		9.500		18.500						4.000		18.000	3	1	2	11	
			INCR. = 0.5″								8.250		9.500		20.500						4.500		20.000	3	3	3	1	63
12	5	K6	BARRIER	E	19	S		V	4	2	6.750		10.000											3	5	3	4	
			INCR. = 0.5″							2	7.750		10.000											3	6	3	5	43
12	5	K7	BARRIER	E	21	S		V	4	2	6.750		10.000							2	6.000		6.250	3	5	3	4	
			INCR. = 0.5″							2	7.750		10.000							2	7.000		6.500	3	6	3	5	43
36	5	K8	BARRIER	E	19	S		V	4	2	8.500		10.000											3	7	3	6	
			INCR. = 0.75′							3	2.500		10.000											4	1	4	0	141
36	5	K9	BARRIER	E	21	S		V	4	2	8.500		10.000							2	7.750		6.750	3	7	3	6	
			INCR. = 0.75′							3	2.500		10.000							3	1.750		7.750	4	1	4	0	141
20	5	K10	BARRIER	E	19	S				3	3.000		10.000											4	1	4	0	84
20	5	K11	BARRIER	E	21	S				3	3.000		10.000							3	2.250		7.750	4	1	4	0	84
28	5	K12	BARRIER	E	20					11	10.000													11	10	11	10	346

BILL OF REINFORCING STEEL

NO. REQ'D.	MARK NO. SIZE	MARK	LOCATION	EPOXY (E)	SHAPE NO.	STIRRUP (S)	SUBSTR. (X)	VARIES (V)	NO. EACH	DIMENSIONS B FT.	B IN.	C FT.	C IN.	D FT.	D IN.	E FT.	E IN.	F FT.	F IN.	H FT.	H IN.	K FT.	K IN.	NOMINAL LENGTH FT.	NOMINAL LENGTH IN.	ACTUAL LENGTH FT.	ACTUAL LENGTH IN.	WEIGHT LBS.
12	5	K13	BARRIER	E	20			V	4	11	1.000													11	1	11	1	
			INCR. = 3′							5	1.000													5	1	5	1	102
28	5	K14	BARRIER	E	20					11	9.000													11	9	11	9	344
12	5	K15	BARRIER	E	20			V	4	11	0.000													11	0	11	0	
			INCR. = 3′							5	0.000													5	0	5	0	101
8	5	C1	SLIP FORM	E	20					12	0.000													12	0	12	0	101
8	5	C2	SLIP FORM	E	20					9	9.000													9	9	9	9	82
			TOTALS																									
	4			E																								4543
	5			E																								18857
	6			E																								19736
	8			E																								8126
			TOTAL	E																								51262
			SLAB ON																									
			CONCRETE																									
			BEAM																									
	4			E																								1300
	5			E																								12454
	6			E																								19736
	8			E																								8126
			TOTAL	E																								41616
			TYPE D																									
			BARRIER																									
	5			E																								6220
			TOTAL	E																								6220
			SLIP FORM																									
			OPTION																									
	5			E																								183
			TOTAL	E																								183
			SIDEWALK																									
	4			E																								1072
			TOTAL	E																								1072
			MEDIAN																									
	4			E																								2171
			TOTAL	E																								2171

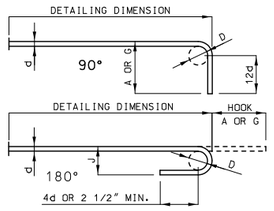


BENDING DIAGRAMS



STIRRUP HOOK DIMENSIONS				
GRADES 40 - 50 - 60 KSI				
BAR SIZE	D (IN.)	90° HOOK HOOK A OR G	135° HOOK HOOK A OR G	135° HOOK APPROX. H
#4	2″	4 1/2″	4 1/2″	3″
#5	2 1/2″	6″	5 1/2″	3 3/4″
#6	4 1/2″	12″	8″	4 1/2″

NOTE: UNLESS OTHERWISE NOTED, DIAMETER "D" IS THE SAME FOR ALL BENDS AND HOOKS ON A BAR.



END HOOK DIMENSIONS				
		ALL GRADES		
BAR SIZE	D (IN.)	180° HOOKS		90° HOOKS
		A OR G	J	A OR G
#3	2 1/4″	5″	3″	6″
#4	3″	6″	4″	8″
#5	3 3/4″	7″	5″	10″
#6	4 1/2″	8″	6″	12″
#7	5 1/4″	10″	7″	14″
#8	6″	11″	8″	16″
#9	9 1/2″	15″	11 3/4″	19″
#10	10 3/4″	17″	13 1/4″	22″
#11	12″	19″	14 3/4″	2′-0″
#14	18 1/4″	2′-3″	21 3/4″	2′-7″

NOTE:
ALL STANDARD HOOKS AND BENDS OTHER THAN 180 DEGREE ARE TO BE BENT WITH SAME PROCEDURE AS FOR 90 DEGREE STANDARD HOOKS.

HOOKS AND BENDS SHALL BE IN ACCORDANCE WITH THE PROCEDURES AS SHOWN ON THIS SHEET.

E = EPOXY COATED REINFORCEMENT.
S = STIRRUP.
X = BAR IS INCLUDED IN SUBSTRUCTURE QUANTITIES.
V = BAR DIMENSIONS VARY IN EQUAL INCREMENTS BETWEEN DIMENSIONS SHOWN ON THIS LINE AND THE FOLLOWING LINE.
NO. EA. = NUMBER OF BARS OF EACH LENGTH.

NOMINAL LENGTHS ARE BASED ON OUT TO OUT DIMENSIONS SHOWN IN BENDING DIAGRAMS AND ARE LISTED FOR FABRICATORS USE. (NEAREST INCH)

ACTUAL LENGTHS ARE MEASURED ALONG CENTERLINE BAR TO THE NEAREST INCH.

PAYWEIGHTS ARE BASED ON ACTUAL LENGTHS.

FOUR ANGLE OR CHANNEL SPACERS ARE REQUIRED FOR EACH COLUMN SPIRAL. SPACERS ARE TO BE PLACED ON INSIDE OF SPIRALS. LENGTH AND WEIGHT OF COLUMN SPIRALS DO NOT INCLUDE SPLICES OR SPACERS.

REINFORCING STEEL (GRADE 60) FY = 60,000 PSI.

Detailed Dec. 2023
Checked Dec. 2023

Note: This drawing is not to scale. Follow dimensions.

JOSHUA D. JOLLIFF NUMBER PE-2006002824 STATE OF MISSOURI PROFESSIONAL ENGINEER
02/27/2024 12:55:13 PM
Joshua D. Jolliff
MO PE-2006002824

DATE PREPARED 2/27/2024
ROUTE 366 | STATE MO
DISTRICT BR | SHEET NO. 26
COUNTY ST. LOUIS
JOB NO. J6S3582
CONTRACT ID.
PROJECT NO.
BRIDGE NO. A9260

DESCRIPTION | DATE | REV.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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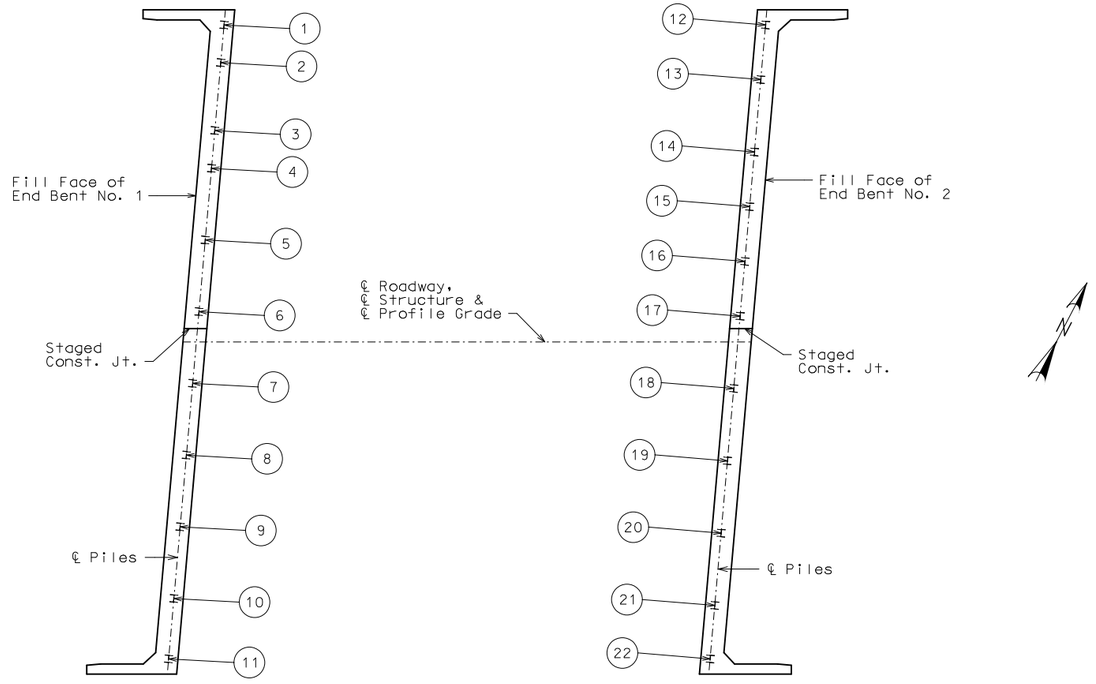

PART PLAN SHOWING NUMBERING FOR RECORDING AS-BUILT PILE DATA

As-Built Pile Data					
Pile No.	Length In Place (ft)	PDA Nom. Axial Compressive Resistance (kips)	PDA End of Drive Blow Count (blows/in.)	Actual End of Drive Blow Count (blows/in.)	Remarks
					End Bent No. 1
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					

As-Built Pile Data					
Pile No.	Length In Place (ft)	PDA Nom. Axial Compressive Resistance (kips)	PDA End of Drive Blow Count (blows/in.)	Actual End of Drive Blow Count (blows/in.)	Remarks
					End Bent No. 2
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

Note:
Indicate in remarks column:
A. Pile type and grade
B. Batter
C. Driven to practical refusal
D. PDA test pile
E. Minimum tip elevation controlled
(Use when actual blow count is less than PDA blow count due to minimum tip elevation requirement. A plus sign (+) shall be placed after the PDA nominal axial compressive resistance value indicating actual value is higher than PDA value.)

This sheet to be completed by MoDOT construction personnel.

AS-BUILT PILE DATA

Detailed Dec. 2023
Checked Dec. 2023

Note: This drawing is not to scale. Follow dimensions.

STATE OF MISSOURI
JOSHUA D. JOLLIFF
NUMBER PE-2006002824
PROFESSIONAL ENGINEER

02/27/2024 12:55:13 PM
Joshua D. Jolliff
MO PE-2006002824

DATE PREPARED
2/27/2024

ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
BR	27

COUNTY
ST. LOUIS

JOB NO.
J6S3582

CONTRACT ID.

PROJECT NO.

BRIDGE NO.
A9260

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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REV.

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Surface Elevation: 531.5 | Completion Date: 5/31/23
Datum: NAVD88 | Northing: 993155.98 | Easting: 857021.05

DEPTH IN FEET	ELEVATION IN FEET	DESCRIPTION OF MATERIAL	GRAPHIC LOG	DRY UNIT WEIGHT (pcf) SPT BLOW COUNTS (N60) CORE RECOVERY/RQD	SAMPLES	SHEAR STRENGTH, tsf (Δ - UU/2, ○ - QU/2, □ - SV; 0.5 1.0 1.5 2.0 2.5) / STANDARD PENETRATION RESISTANCE ▲ N-VALUE (BLOWS PER FOOT) (ASTM D 1586) / WATER CONTENT, % (PL 10 20 30 40 50 LL)
		Asphalt - 6 inches				
		Concrete - 10 inches				
		Fill: brown, lean clay, trace sand, little to and gravel				
				2-3-2 (7)	SS1	
5	526.5					
				3-4-7 (16)	SS2	
10	521.5				ST3	
				15-50/4"	SS4	
15	516.5					
				8-12-7 (28)	SS5	
20	511.5					
		Auger refusal at 21.5 feet.				
25	506.5					
30	501.5					
35	496.5					
40	491.5					

NOTE: STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARIES BETWEEN SOIL TYPES AND THE TRANSITION MAY BE GRADUAL. GRAPHIC LOG FOR ILLUSTRATION PURPOSES ONLY.

N60 BORING LOG (WITH PAGE #) J039768 366WATSON.GPJ 00 CLONE ME.GPJ 12/6/23

GROUNDWATER DATA

ENCOUNTERED AT 16 FEET ▽

DRILLING DATA

___ AUGER 3 3/4" HOLLOW STEM
WASHBORING FROM ___ FEET
KA DRILLER EER LOGGER
CME 85 DRILL RIG
HAMMER TYPE Auto
HAMMER EFFICIENCY 89 %

REMARKS:
Boring was terminated at refusal due to the crooked augers.

Drawn by: ADP	Checked by: CKK	App'vd. by: CKK
Date: 6/9/23	Date: 7/7/23	Date: 12/6/23

GEOTECHNOLOGY
A Universal Engineering Sciences Company

Route 366/Watson Road Improvements
Crestwood, Missouri

LOG OF BORING: B-1A
Page 1 of 1
Project No. J039768.01

B-1A

Surface Elevation: 531.8 | Completion Date: 5/31/23
Datum: NAVD88 | Northing: 993152.34 | Easting: 857015.12

DEPTH IN FEET	ELEVATION IN FEET	DESCRIPTION OF MATERIAL	GRAPHIC LOG	DRY UNIT WEIGHT (pcf) SPT BLOW COUNTS (N60) CORE RECOVERY/RQD	SAMPLES	SHEAR STRENGTH, tsf (Δ - UU/2, ○ - QU/2, □ - SV; 0.5 1.0 1.5 2.0 2.5) / STANDARD PENETRATION RESISTANCE ▲ N-VALUE (BLOWS PER FOOT) (ASTM D 1586) / WATER CONTENT, % (PL 10 20 30 40 50 LL)
		Asphalt - 6 inches				
		Concrete - 10 inches				
		No sampling performed.				
5	526.8					
10	521.8					
15	516.8					
20	511.8					
		Very strong, gray, finely crystalline, thin to medium bedded, unweathered LIMESTONE unconfined compressive strength = 20,300 psi (2,923 ksf)		100% 57%	NQ1	
25	506.8	Medium strong, gray, finely crystalline, medium bedded, unweathered, dolomitic LIMESTONE unconfined compressive strength = 4,817 ps (694 ksf)		100% 94%	NQ2	
30	501.8	Boring terminated at 29.5 feet.				
35	496.8					
40	491.8					

NOTE: STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARIES BETWEEN SOIL TYPES AND THE TRANSITION MAY BE GRADUAL. GRAPHIC LOG FOR ILLUSTRATION PURPOSES ONLY.

N60 BORING LOG (WITH PAGE #) J039768 366WATSON.GPJ 00 CLONE ME.GPJ 12/6/23

GROUNDWATER DATA

X FREE WATER NOT ENCOUNTERED DURING DRILLING

DRILLING DATA

___ AUGER 3 3/4" HOLLOW STEM
WASHEORING FROM ___ FEET
KA DRILLER EER LOGGER
CME 85 DRILL RIG
HAMMER TYPE Auto

REMARKS:

Drawn by: ADP	Checked by: CKK	App'vd. by: CKK
Date: 6/9/23	Date: 7/7/23	Date: 12/6/23

GEOTECHNOLOGY
A Universal Engineering Sciences Company

Route 366/Watson Road Improvements
Crestwood, Missouri

LOG OF BORING: B-1B
Page 1 of 1
Project No. J039768.01

B-1B

BORING DATA

Note: For locations of borings, see Sheet No. 1.

Detailed Dec. 2023
Checked Dec. 2023

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 28 of 29

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STATE OF MISSOURI
JOSHUA D. JOLLIFF
NUMBER PE-2006002824
PROFESSIONAL ENGINEER
02/27/2024 12:55:13 PM
Joshua D. Jolliff
MO PE-2006002824

DATE PREPARED: 2/27/2024
ROUTE: 366 | STATE: MO
DISTRICT: BR | SHEET NO.: 28
COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.: A9260

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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JEFFERSON CITY, MO 65102
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REV.

Surface Elevation: 527.1 | Completion Date: 5/30/23
Datum: NAVD88 | Northing: 993234.71 | Easting: 857114.20

DEPTH IN FEET	ELEVATION IN FEET	DESCRIPTION OF MATERIAL	DRY UNIT WEIGHT (pcf) SPT BLOW COUNTS (N60) CORE RECOVERY/RQD	SAMPLES
		Asphalt - 5 inches		
		Concrete - 12 inches		
		Fill: brown, lean clay, trace sand, little to and gravel		
			2-4-3 (10)	SS1
5	522.1			
			1-2-4 (9)	SS2
10	517.1		91	ST3
			1-3-2 (7)	SS4
15	512.1			
			50/3" 100%/100%	SS5 NQ1
20	507.1	Very strong, gray, finely crystalline, thin to medium bedded, unweathered LIMESTONE unconfined compressive strength = 21,175 psi (3,049 ksf)		
		Medium strong to strong, gray, very finely crystalline, medium to thick bedded, unweathered, dolomitic LIMESTONE	100% 96%	NQ2
25	502.1	unconfined compressive strength = 5,482 psi (789 ksf)	100% 100%	NQ3
30	497.1	unconfined compressive strength = 8,182 psi (1,178 ksf)		
		Strong to very strong, gray, very finely crystalline, thick to thin bedded, unweathered LIMESTONE	100% 98%	NQ4
35	492.1	unconfined compressive strength = 9,679 psi (1,394 ksf)	100% 88%	NQ5
40	487.1	unconfined compressive strength = 18,557 psi (2,627 ksf)	100% 73%	NQ6
		Boring terminated at 44.0 feet.		

SHEAR STRENGTH, tsf: Δ - UU/2, ○ - QU/2, □ - SV; 0.5, 1.0, 1.5, 2.0, 2.5

STANDARD PENETRATION RESISTANCE
▲ N-VALUE (BLOWS PER FOOT)
(ASTM D 1586)

WATER CONTENT, %: PL 10 20 30 40 50 LL

NOTE: STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARIES BETWEEN SOIL TYPES AND THE TRANSITION MAY BE GRADUAL. GRAPHIC LOG FOR ILLUSTRATION PURPOSES ONLY.

N60 BORING LOG (WITH PAGE #) J039768.366WATSON.GPJ 00 CLONE.ME.GPJ 12/6/23

GROUNDWATER DATA

ENCOUNTERED AT 18.5 FEET ▽

DRILLING DATA

___ AUGER 3 3/4" HOLLOW STEM
WASHBORING FROM ___ FEET
KA DRILLER EER LOGGER
CME 85 DRILL RIG
HAMMER TYPE Auto
HAMMER EFFICIENCY 89 %

REMARKS:

Drawn by: ADP	Checked by: CKK	App'vd. by: CKK
Date: 6/9/23	Date: 7/7/23	Date: 12/6/23

GEOTECHNOLOGY
A Universal Engineering Sciences Company

Route 366/Watson Road Improvements
Crestwood, Missouri

LOG OF BORING: B-2
Page 1 of 1

Project No. J039768.01

B-2

BORING DATA

Note: For locations of borings, see Sheet No. 1.

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 29 of 29

Detailed Dec. 2023
Checked Dec. 2023

STATE OF MISSOURI
JOSHUA D. JOLLIFF
NUMBER PE-2006002824
PROFESSIONAL ENGINEER

02/27/2024 12:55:13 PM
Joshua D. Jolliff
MO PE-2006002824

DATE PREPARED: 2/27/2024

ROUTE	STATE
366	MO
DISTRICT	SHEET NO.
BR	29

COUNTY: ST. LOUIS
JOB NO.: J6S3582
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.: A9260

REV.	DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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