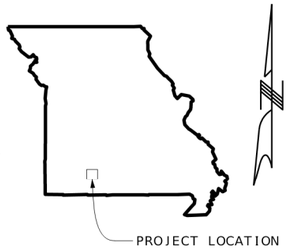
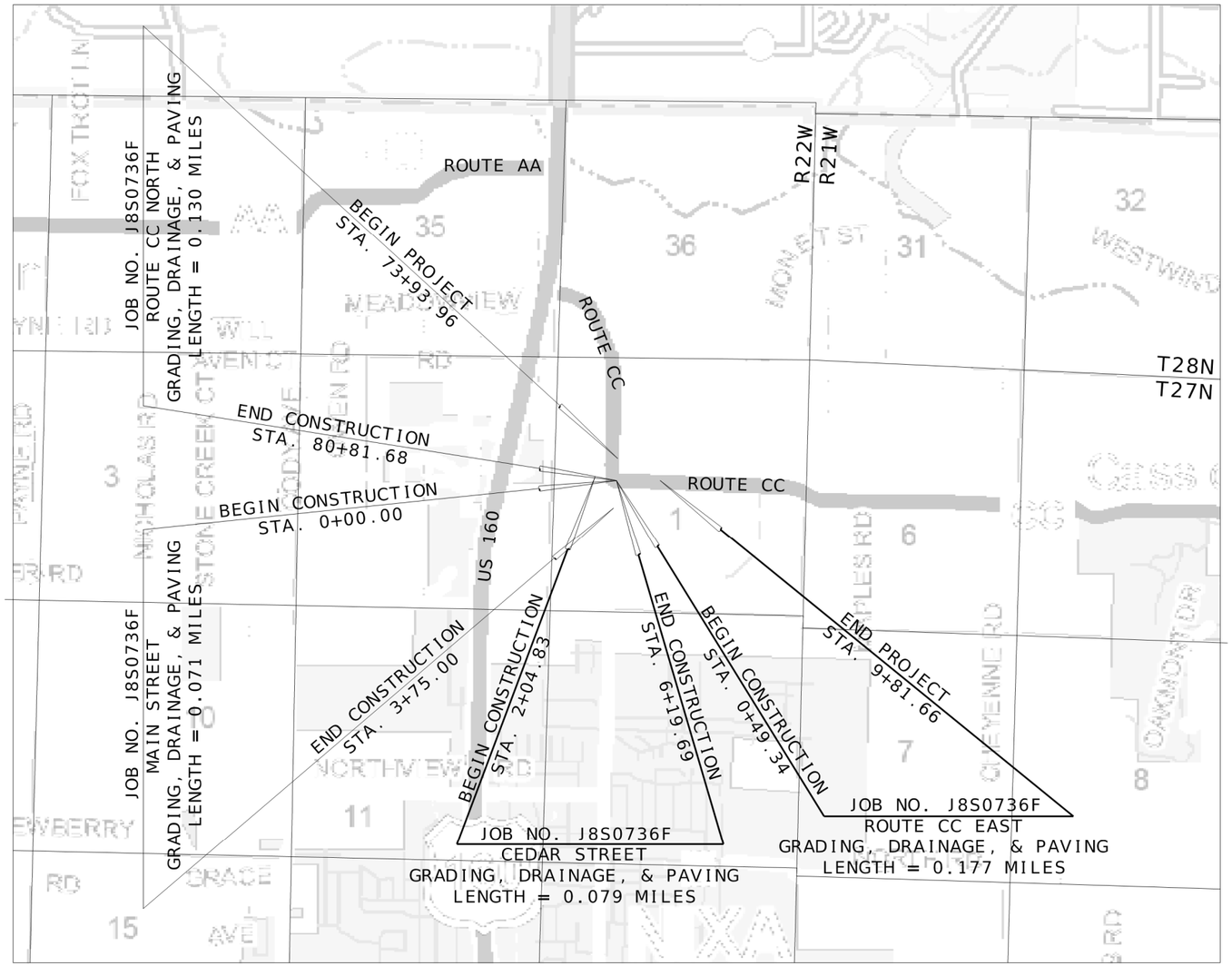
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED STATE HIGHWAY

CHRISTIAN COUNTY
SECTION 1, T27N, R22W





NOT TO SCALE

THE EXISTENCE AND APPROXIMATE LOCATION OF UTILITY FACILITIES KNOWN TO EXIST, AS SHOWN ON THE PLANS, ARE BASED ON THE BEST INFORMATION AVAILABLE TO THE COMMISSION AT THIS TIME. THIS INFORMATION IS PROVIDED BY THE COMMISSION "AS-IS" AND THE COMMISSION EXPRESSLY DISCLAIMS ANY REPRESENTATION OR WARRANTY AS TO THE COMPLETENESS, ACCURACY, OR SUITABILITY OF THE INFORMATION FOR ANY USE. RELIANCE UPON THIS INFORMATION IS DONE AT THE RISK AND PERIL OF THE USER, AND THE COMMISSION SHALL NOT BE LIABLE FOR ANY DAMAGES THAT MAY ARISE FROM ANY ERROR IN THE INFORMATION. IT IS, THEREFORE, THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE, LOCATION AND STATUS OF ANY FACILITY. SUCH VERIFICATION INCLUDES DIRECT CONTACT WITH THE LISTED UTILITIES.

DESIGN DESIGNATION ROUTE CC (NORTH)

A.A.D.T. - 2025 =	8,537
A.A.D.T. - 2045 =	9,432
D.H.V. =	8.6%
T =	2.8%
V =	45 M.P.H.
D =	54.7%

FUNCTIONAL CLASSIFICATION- MINOR ARTERIAL

DESIGN DESIGNATION ROUTE CC (EAST)

A.A.D.T. - 2025 =	11,360
A.A.D.T. - 2045 =	16,881
D.H.V. =	8.7%
T =	5.7%
V =	45 M.P.H.
D =	51%

FUNCTIONAL CLASSIFICATION- MINOR ARTERIAL

NORMAL AND FULLY CONTROLLED ACCESS RIGHT OF WAY TO BE ACQUIRED

FULLY CONTROLLED ACCESS HIGHWAY

THIS SHALL BE A FULLY CONTROLLED ACCESS HIGHWAY BETWEEN STA. 78+50.00 TO STA. 80+81.68 (℄ ROUTE CC NORTH), STA. 0+49.34 TO STA. 3+75.00 (℄ ROUTE CC EAST), STA. 0+00.00 TO STA. 2+75.00 (℄ MAIN STREET), AND STA. 4+20.00 TO STA. 6+19.69 (℄ CEDAR STREET). NO ABUTTING OWNER SHALL HAVE THE RIGHT OF DIRECT ACCESS TO SAID HIGHWAY OR ITS RIGHT-OF-WAY EXCEPT THAT ACCESS WILL BE PERMITTED TO ANY ADJACENT OUTER ROADWAY OR SERVICE ROAD TO WHICH ACCESS IS NOT SPECIFICALLY PROHIBITED BY THE SPECIAL SYMBOL DENOTING "NO RIGHT OF ACCESS" AS SHOWN ON THE PLANS. NO ACCESS WILL BE PERMITTED FROM OUTER ROADWAYS AND SERVICE ROADS TO THROUGHWAYS EXCEPT ALONG ROUTES CONSTRUCTED FOR THAT PURPOSE. OUTER ROADWAYS AND SERVICE ROADS, AS THE CASE MAY BE, ARE SO DESIGNATED ON THE PLANS.

- BEGINNING AND ENDING OF CONTROLLED ACCESS
- CONTROLLED ACCESS
- NO RIGHT OF ACCESS OR CROSSING OF LINES BEARING THIS SYMBOL WILL BE PERMITTED UNDER ANY CIRCUMSTANCES.
- TEMPORARY ACCESS THROUGH FUTURE NO RIGHT OF ACCESS

CONVENTIONAL SYMBOLS
(USED IN PLANS)

	EXISTING	NEW
BUILDINGS AND STRUCTURES		
GUARD RAIL		
GUARD CABLE		
CONCRETE RIGHT-OF-WAY MARKER		
STEEL RIGHT-OF-WAY MARKER		
LOCATION SURVEY MARKER		
UTILITIES		
FIBER OPTICS	FO	FO
OVERHEAD CABLE TV	OTV	OTV
UNDERGROUND CABLE TV	UTV	UTV
OVERHEAD TELEPHONE	OT	OT
UNDERGROUND TELEPHONE	UT	UT
OVERHEAD POWER	OE	OE
UNDERGROUND POWER	UE	UE
SANITARY SEWER	S	S
STORM SEWER	SS	SS
GAS	G	G
WATER	W	W
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		
TELEPHONE PEDESTAL	PED	
FENCE		
CHAIN LINK	V	
WOVEN WIRE	X	
GATE POST		
BENCHMARK	BM	

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (TS) (17 SHEETS)	2
QUANTITIES (QU) (9 SHEETS)	3
PLAN-PROFILE (PP)	4-12
RIGHT OF WAY (RW)	13-18
COORDINATE POINTS (CP)	19-20
SPECIAL SHEETS (SS)	21-34
TRAFFIC CONTROL SHEETS (TC)	35-44
EROSION CONTROL (EC)	45-62
LIGHTING (LT)	63-64
SIGNING (SN)	65-73
PAVEMENT MARKING (PM)	74-79
CULVERT SECTIONS (CS)	80-92
CROSS SECTIONS (XS)	1-54

LENGTH OF PROJECT

ROUTE CC NORTH		
BEGINNING OF PROJECT	STA.	73+93.96
END OF CONSTRUCTION	STA.	80+81.68
APPARENT LENGTH		687.72 FEET
MAIN STREET		
BEGINNING OF CONSTRUCTION	STA.	0+00.00
END OF CONSTRUCTION	STA.	3+75.00
APPARENT LENGTH		375.00 FEET
CEDAR STREET		
BEGINNING OF CONSTRUCTION	STA.	2+04.83
END OF CONSTRUCTION	STA.	6+19.69
APPARENT LENGTH		414.86 FEET
ROUTE CC EAST		
BEGINNING OF CONSTRUCTION	STA.	0+49.34
END OF PROJECT	STA.	9+81.66
APPARENT LENGTH		932.32 FEET
EQUATIONS AND EXCEPTIONS:		
TOTAL CORRECTIONS		0 FEET
NET LENGTH OF PROJECT		2,409.90 FEET
STATE LENGTH		0.456 MILES
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES		6.78 ACRES

Jonathan W. Peitz
2024.08.09 08:42:55 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	1

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF AUTHORITY NO. 001592

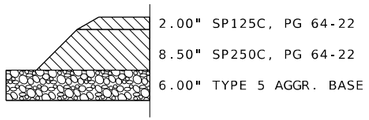
NOTE:
CROSS SECTIONS AND EARTHWORK IN THIS PROJECT ARE BASED ON THE CONCRETE OPTION. CONTRACTOR IS RESPONSIBLE FOR MAKING ANY ADJUSTMENTS WITH NO EXTRA PAY IF ASPHALT OPTION IS USED.

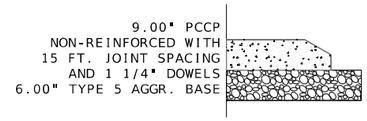
SUBGRADE PROFILE AND CROSS SECTIONS ARE DESIGNED FOR THE THINNER PAVEMENT DESIGN. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING THE PROFILE GRADE FOR EITHER PAVEMENT DESIGN WITH NO DIRECT PAY. CROSSROAD STRUCTURES ARE DESIGNED TO ACCOMMODATE A MINIMUM COVER BASED ON THE THICKER PAVEMENT DESIGN.

SEE TYPICAL SECTION SHEET 9 OF 17 FOR PERMANENT AGGREGATE EDGE TREATMENT DETAILS.

SEE STD. PLAN 401.00 FOR SAFETY EDGE DETAILS.

OPTIONAL PAVEMENT DESIGN



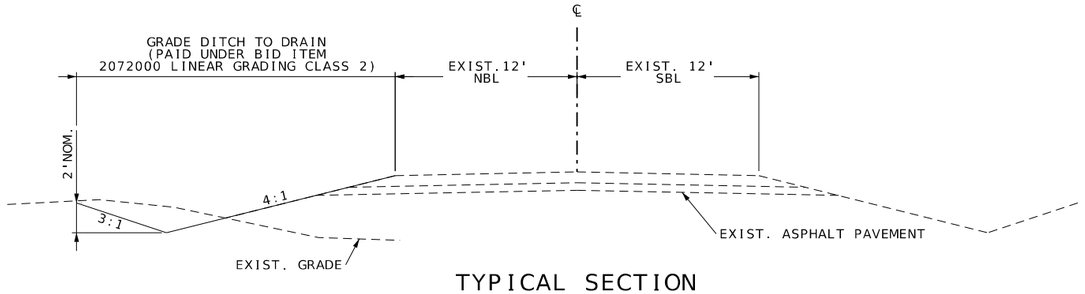


ASPHALT FACTORS	
MATERIAL	TONS/CY
SP125C, PG 64-22	1.927
SP250C, PG 64-22	1.946

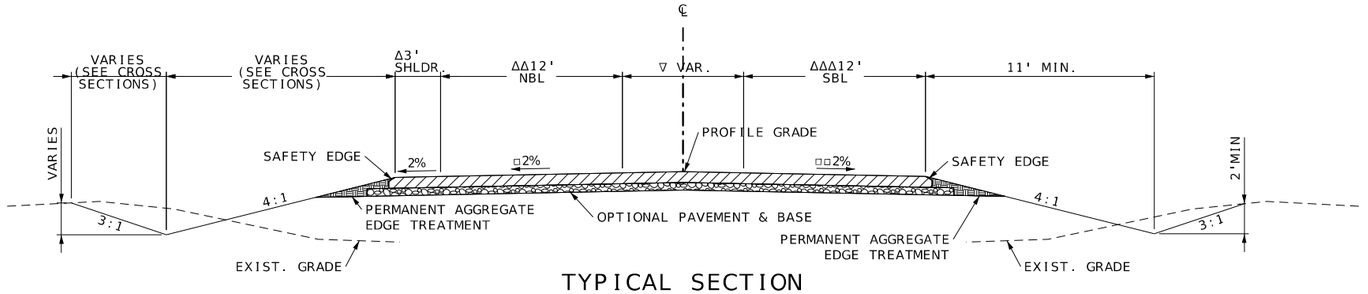
TACK COAT APPLICATION RATE
0.10 GAL/YD² (UNDILUTED)

PERMANENT AGGREGATE EDGE TREATMENT FACTOR
1.40 TONS/CY

BITUMINOUS FOG SEAL APPLICATION RATE
0.20 GAL/YD²

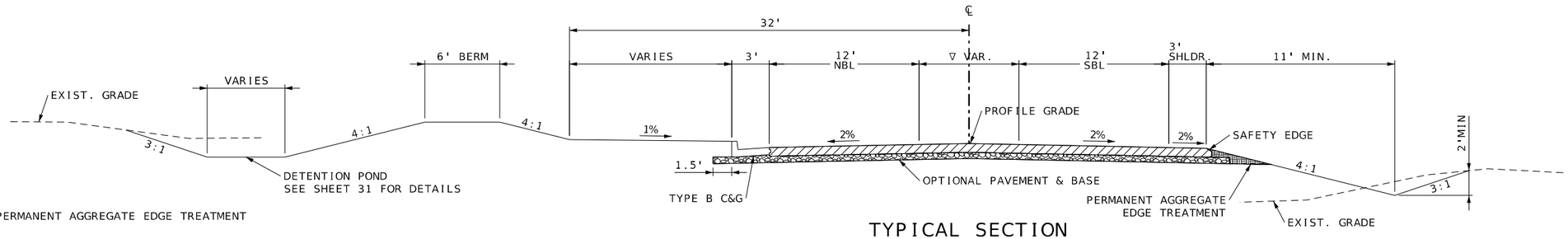


TYPICAL SECTION
EXIST. ROUTE CC NORTH
STA. 72+11.00 TO STA. 73+61.00



TYPICAL SECTION
ROUTE CC NORTH
STA. 73+93.96 TO STA. 74+67.57

Δ TRANSITION FROM 2.29' TO 3', STA. 73+93.96 TO STA. 74+03.96
ΔΔ TRANSITION FROM 12.21' TO 12', STA. 73+93.96 TO STA. 74+03.96
ΔΔΔ TRANSITION FROM 12.18' TO 12', STA. 73+93.96 TO STA. 74+03.96
□ TRANSITION FROM 4.2% TO 2%, STA. 73+93.96 TO STA. 74+43.96
□□ TRANSITION FROM 0.08% TO 2 %, STA. 73+93.96 TO STA. 74+43.96
▽ TRANSITION MEDIAN WIDTH FROM 0' TO 9', STA. 74+08.39 TO STA. 76+62.00



PERMANENT AGGREGATE EDGE TREATMENT

TYPICAL SECTION
ROUTE CC NORTH
STA. 74+67.57 TO STA. 76+48.00

▽ TRANSITION MEDIAN WIDTH FROM 0' TO 9', STA. 74+08.39 TO STA. 76+62.00

NOT TO SCALE

TYPICAL SECTION
SHEET 1 OF 17

Jonathan W. Peitz
2024.08.09 13:47:47 -05'00'
STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER
JONATHAN W. PEITZ, CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	2

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

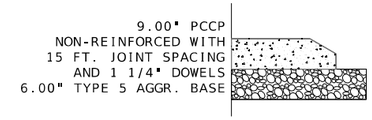
NOTE:
CROSS SECTIONS AND EARTHWORK IN THIS PROJECT ARE BASED ON THE CONCRETE OPTION. CONTRACTOR IS RESPONSIBLE FOR MAKING ANY ADJUSTMENTS WITH NO EXTRA PAY IF ASPHALT OPTION IS USED.

SUBGRADE PROFILE AND CROSS SECTIONS ARE DESIGNED FOR THE THINNER PAVEMENT DESIGN. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING THE PROFILE GRADE FOR EITHER PAVEMENT DESIGN WITH NO DIRECT PAY. CROSSROAD STRUCTURES ARE DESIGNED TO ACCOMMODATE A MINIMUM COVER BASED ON THE THICKER PAVEMENT DESIGN.

SEE TYPICAL SECTION SHEET 9 OF 16 FOR PERMANENT AGGREGATE EDGE TREATMENT DETAILS.

SEE STD. PLAN 401.00 FOR SAFETY EDGE DETAILS.

OPTIONAL PAVEMENT DESIGN

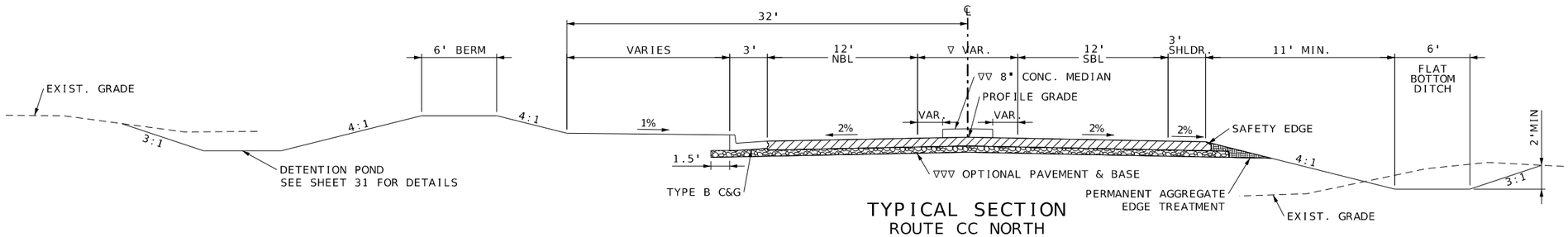


ASPHALT FACTORS	
MATERIAL	TONS/CY
SP125C, PG 64-22	1.927
SP250C, PG 64-22	1.946

TACK COAT APPLICATION RATE
0.10 GAL/YD² (UNDILUTED)

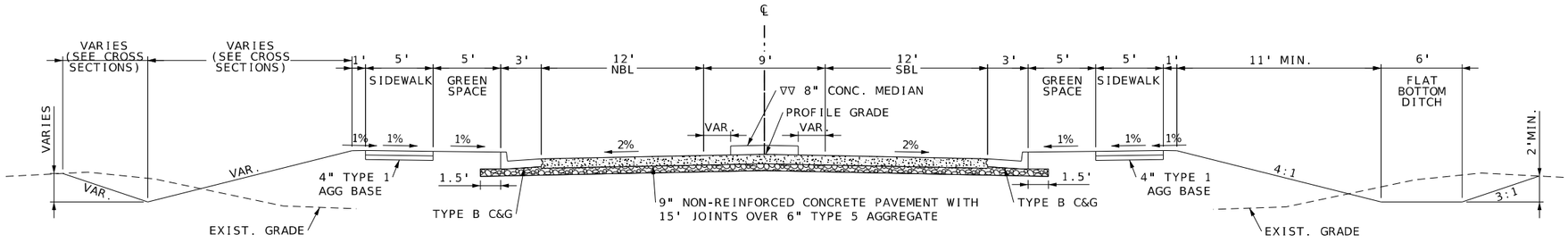
PERMANENT AGGREGATE EDGE TREATMENT FACTOR
1.40 TONS/CY

BITUMINOUS FOG SEAL APPLICATION RATE
0.20 GAL/YD²



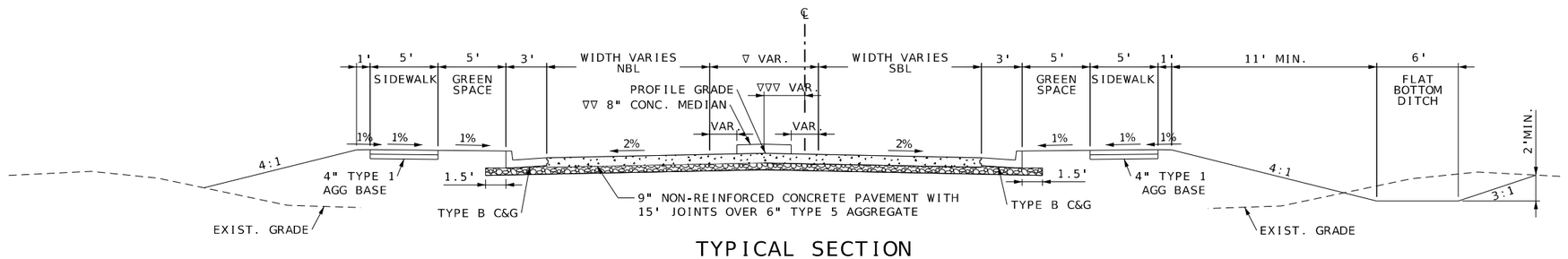
TYPICAL SECTION
ROUTE CC NORTH
STA. 76+48.00 TO STA. 78+23.29

▽ TRANSITION MEDIAN WIDTH FROM 0' TO 9', STA. 74+08.39 TO STA. 76+62.00
WIDTH = 9', STA. 76+62.00 TO STA. 78+23.29
▽▽ 8" CONC. MEDIAN, STA. 76+75.48 TO STA. 79+89.80, WIDTH VARIES.
▽▽▽ END OPTIONAL PAVEMENT STA. 76+63.87, BEGIN 9" NON-REINFORCED CONCRETE PAVEMENT STA. 76+63.87



TYPICAL SECTION
ROUTE CC NORTH
STA. 78+23.29 TO STA. 78+49.55

▽▽ 8" CONC. MEDIAN, STA. 76+75.48 TO STA. 79+89.80, WIDTH VARIES.



TYPICAL SECTION
ROUTE CC NORTH
STA. 78+49.55 TO STA. 79+91.68

▽ MEDIAN WIDTH VARIES. SEE PLAN SHEETS FOR DETAILS.
▽▽ 8" CONC. MEDIAN, STA. 76+75.48 TO STA. 79+89.80, WIDTH VARIES.
▽▽▽ SHIFT CROWN FROM 0' TO 6.67' LT, STA. 79+36.07 TO STA. 79+61.07
SHIFT CROWN FROM 6.67' LT TO 0', STA. 79+61.07 TO STA. 79+91.68

PERMANENT AGGREGATE EDGE TREATMENT

NOT TO SCALE

TYPICAL SECTION
SHEET 2 OF 17

Jonathan Peltz
2024.08.09 10:56:00 -05'00'
STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER
JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	2

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

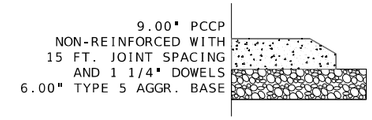
NOTE:
CROSS SECTIONS AND EARTHWORK IN THIS PROJECT ARE BASED ON THE CONCRETE OPTION. CONTRACTOR IS RESPONSIBLE FOR MAKING ANY ADJUSTMENTS WITH NO EXTRA PAY IF ASPHALT OPTION IS USED.

SUBGRADE PROFILE AND CROSS SECTIONS ARE DESIGNED FOR THE THINNER PAVEMENT DESIGN. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING THE PROFILE GRADE FOR EITHER PAVEMENT DESIGN WITH NO DIRECT PAY. CROSSROAD STRUCTURES ARE DESIGNED TO ACCOMMODATE A MINIMUM COVER BASED ON THE THICKER PAVEMENT DESIGN.

SEE TYPICAL SECTION SHEET 9 OF 16 FOR PERMANENT AGGREGATE EDGE TREATMENT DETAILS.

SEE STD. PLAN 401.00 FOR SAFETY EDGE DETAILS.

OPTIONAL PAVEMENT DESIGN

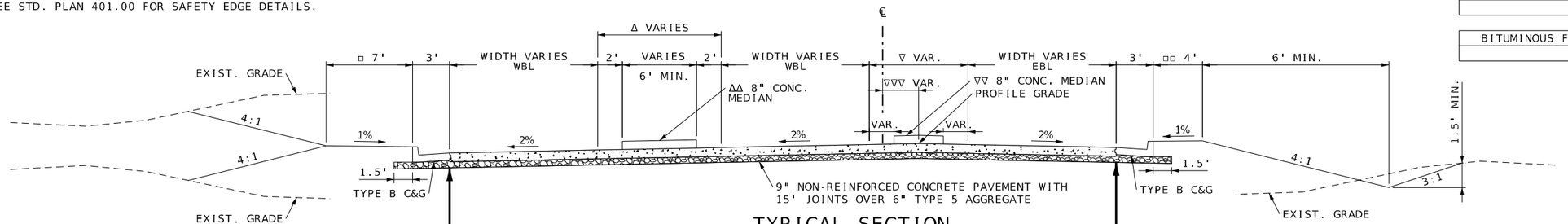


ASPHALT FACTORS	
MATERIAL	TONS/CY
SP125C, PG 64-22	1.927
SP250C, PG 64-22	1.946

TACK COAT APPLICATION RATE
0.10 GAL/YD² (UNDILUTED)

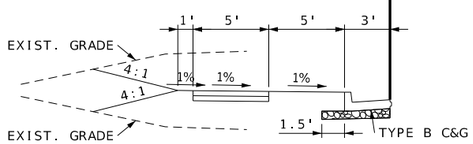
PERMANENT AGGREGATE EDGE TREATMENT FACTOR
1.40 TONS/CY

BITUMINOUS FOG SEAL APPLICATION RATE
0.20 GAL/YD²

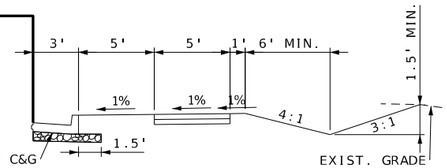


TYPICAL SECTION
ROUTE CC EAST
STA. 1+39.34 TO STA. 2+67.04

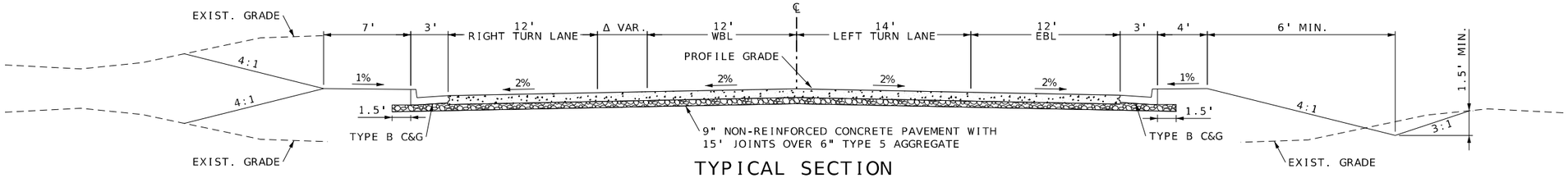
Δ MEDIAN WIDTH VARIES.
ΔΔ 8" CONC. MEDIAN, STA. 1+39.34 TO STA. 2+00.79
∇ MEDIAN WIDTH VARIES.
∇∇ 8" CONC. MEDIAN, STA. 1+41.06 TO STA. 2+67.04, WIDTH VARIES.
∇∇∇ SHIFT CROWN FROM 0' TO 13.14' RT, STA. 1+39.34 TO STA. 1+69.63
SHIFT CROWN FROM 13.14' RT TO 7.95' RT, STA. 1+69.63 TO STA. 2+67.04
SHIFT CROWN FROM 7.95' RT TO 0', STA. 2+67.04 TO STA. 3+13.04
□ TRANSITION WIDTH FROM 11' TO 7', STA. 2+05.56 TO STA. 2+45.36
□□ TRANSITION WIDTH FROM 11' TO 4', STA. 1+81.90 TO STA. 1+98.45



STA. 1+39.34 TO STA. 2+05.56

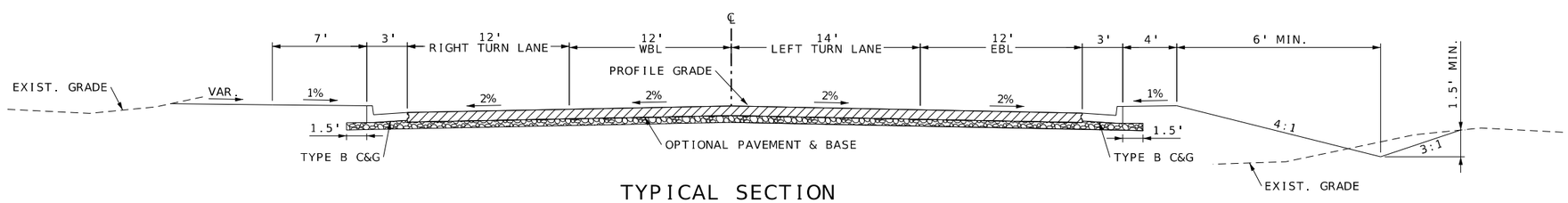


STA. 1+39.34 TO STA. 1+81.90

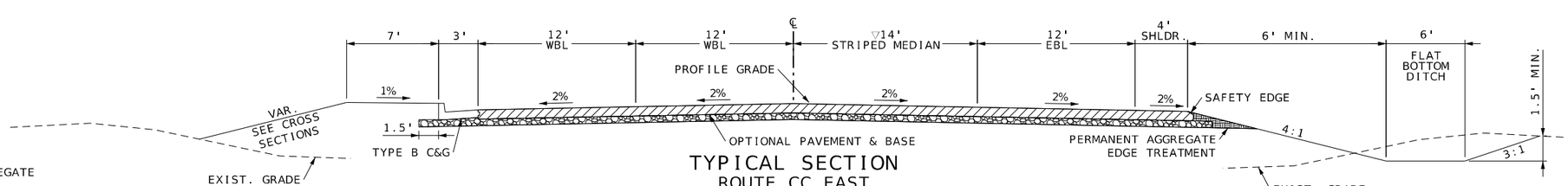


TYPICAL SECTION
ROUTE CC EAST
STA. 2+67.04 TO STA. 3+10.00

Δ MEDIAN, STA. 2+67.04 TO STA. 3+05.82, WIDTH VARIES.



TYPICAL SECTION
ROUTE CC EAST
STA. 3+10.00 TO STA. 4+74.38



PERMANENT AGGREGATE EDGE TREATMENT

TYPICAL SECTION
ROUTE CC EAST
STA. 4+74.38 TO STA. 6+69.30

∇ TRANSITION WIDTH FROM 14' TO 0', STA. 5+74.55 TO STA. 8+44.64

NOT TO SCALE

TYPICAL SECTION
SHEET 3 OF 17

Jonathan Peitz 2024.08.09 08:34:46-05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	2

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

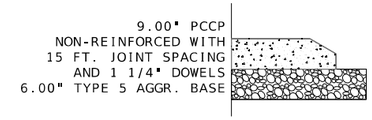
NOTE:
CROSS SECTIONS AND EARTHWORK IN THIS PROJECT ARE BASED ON THE CONCRETE OPTION. CONTRACTOR IS RESPONSIBLE FOR MAKING ANY ADJUSTMENTS WITH NO EXTRA PAY IF ASPHALT OPTION IS USED.

SUBGRADE PROFILE AND CROSS SECTIONS ARE DESIGNED FOR THE THINNER PAVEMENT DESIGN. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING THE PROFILE GRADE FOR EITHER PAVEMENT DESIGN WITH NO DIRECT PAY. CROSSROAD STRUCTURES ARE DESIGNED TO ACCOMMODATE A MINIMUM COVER BASED ON THE THICKER PAVEMENT DESIGN.

SEE TYPICAL SECTION SHEET 9 OF 16 FOR PERMANENT AGGREGATE EDGE TREATMENT DETAILS.

SEE STD. PLAN 401.00 FOR SAFETY EDGE DETAILS.

OPTIONAL PAVEMENT DESIGN

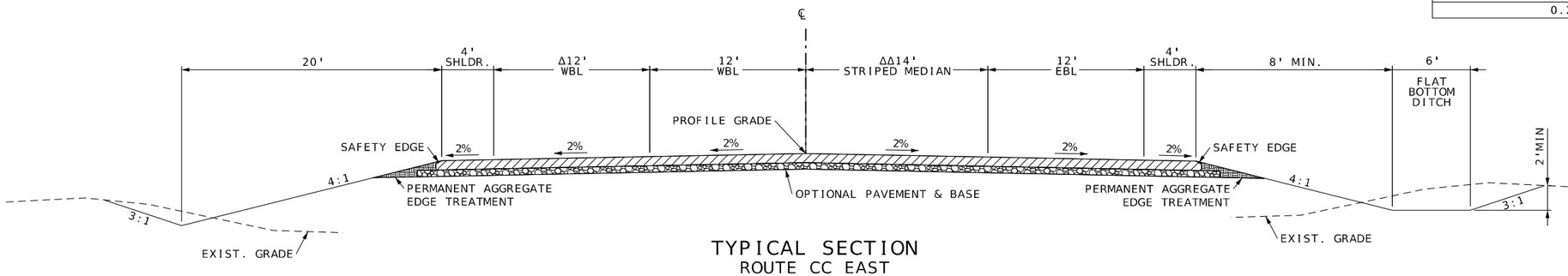


ASPHALT FACTORS	
MATERIAL	TONS/CY
SP125C, PG 64-22	1.927
SP250C, PG 64-22	1.946

TACK COAT APPLICATION RATE
0.10 GAL/YD² (UNDILUTED)

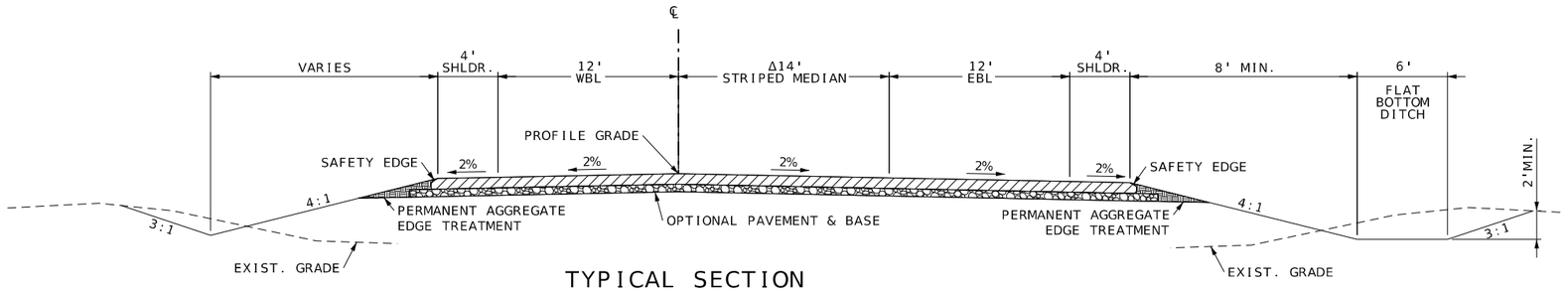
PERMANENT AGGREGATE EDGE TREATMENT FACTOR
1.40 TONS/CY

BITUMINOUS FOG SEAL APPLICATION RATE
0.20 GAL/YD²



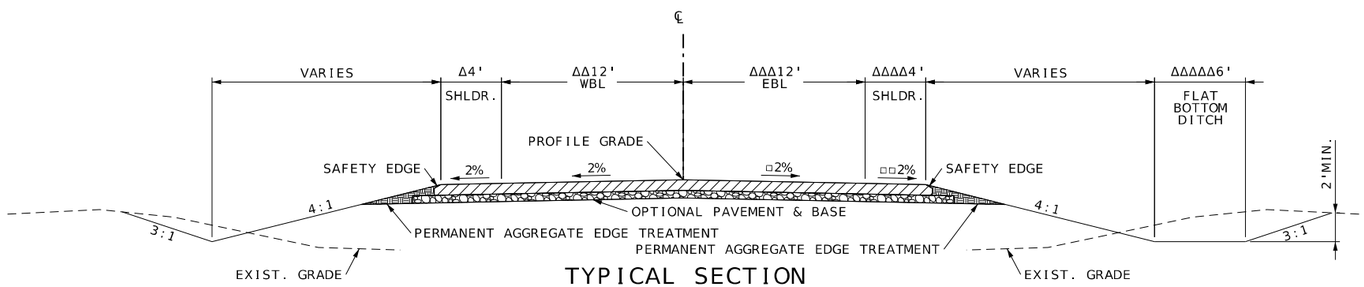
TYPICAL SECTION
ROUTE CC EAST
STA. 6+69.30 TO STA. 7+69.30

Δ TRANSITION WIDTH FROM 12' TO 0', STA. 6+69.30 TO STA. 7+74.29
ΔΔ TRANSITION WIDTH FROM 14' TO 0', STA. 5+74.55 TO STA. 8+44.64



TYPICAL SECTION
ROUTE CC EAST
STA. 7+69.30 TO STA. 8+44.64

Δ TRANSITION WIDTH FROM 14' TO 0', STA. 5+74.55 TO STA. 8+44.64



TYPICAL SECTION
ROUTE CC EAST
STA. 8+44.64 TO STA. 9+81.66

Δ	TRANSITION WIDTH FROM 4' TO 0.38', STA. 9+41.66 TO STA. 9+81.66
ΔΔ	TRANSITION WIDTH FROM 12' TO 11.09', STA. 9+41.66 TO STA. 9+81.66
ΔΔΔ	TRANSITION WIDTH FROM 12' TO 11.24', STA. 9+41.66 TO STA. 9+81.66
ΔΔΔΔ	TRANSITION WIDTH FROM 4' TO 0.46', STA. 9+41.66 TO STA. 9+81.66
ΔΔΔΔΔ	TRANSITION WIDTH FROM 6' TO 0', STA. 9+50.00 TO STA. 9+81.66
□	TRANSITION SLOPE FROM 2% TO 4.68%, STA. 9+21.66 TO STA. 9+81.66
□□	TRANSITION SLOPE FROM 2% TO 4.68%, STA. 9+21.66 TO STA. 9+81.66

PERMANENT AGGREGATE EDGE TREATMENT

NOT TO SCALE

TYPICAL SECTION
SHEET 4 OF 17

Jonathan W. Peitz
2024.08.09 10:53:45 -05'00'
STATE OF MISSOURI
JONATHAN W. PEITZ NUMBER PE-2017019023
PROFESSIONAL ENGINEER
JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED: 8/9/2024
ROUTE: CC | STATE: MO
DISTRICT: SW | SHEET NO.: 2
COUNTY: CHRISTIAN
JOB NO.: J8S0736F
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)
MoDOT

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF AUTHORITY NO. 001592

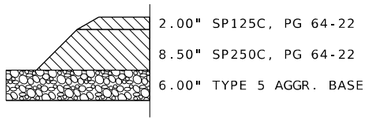
NOTE:
CROSS SECTIONS AND EARTHWORK IN THIS PROJECT ARE BASED ON THE CONCRETE OPTION. CONTRACTOR IS RESPONSIBLE FOR MAKING ANY ADJUSTMENTS WITH NO EXTRA PAY IF ASPHALT OPTION IS USED.

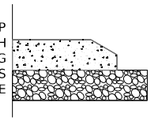
SUBGRADE PROFILE AND CROSS SECTIONS ARE DESIGNED FOR THE THINNER PAVEMENT DESIGN. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING THE PROFILE GRADE FOR EITHER PAVEMENT DESIGN WITH NO DIRECT PAY. CROSSROAD STRUCTURES ARE DESIGNED TO ACCOMMODATE A MINIMUM COVER BASED ON THE THICKER PAVEMENT DESIGN.

SEE TYPICAL SECTION SHEET 9 OF 16 FOR PERMANENT AGGREGATE EDGE TREATMENT DETAILS.

SEE STD. PLAN 401.00 FOR SAFETY EDGE DETAILS.

OPTIONAL PAVEMENT DESIGN



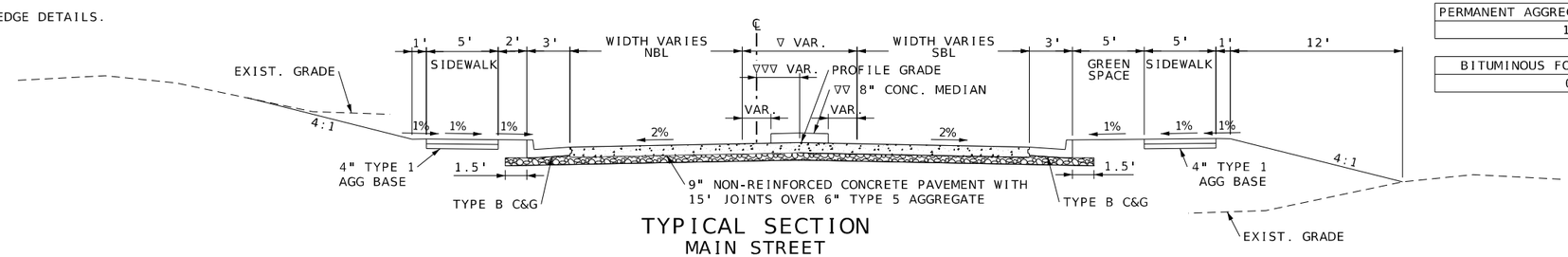


ASPHALT FACTORS	
MATERIAL	TONS/CY
SP125C, PG 64-22	1.927
SP250C, PG 64-22	1.946

TACK COAT APPLICATION RATE
0.10 GAL/YD² (UNDILUTED)

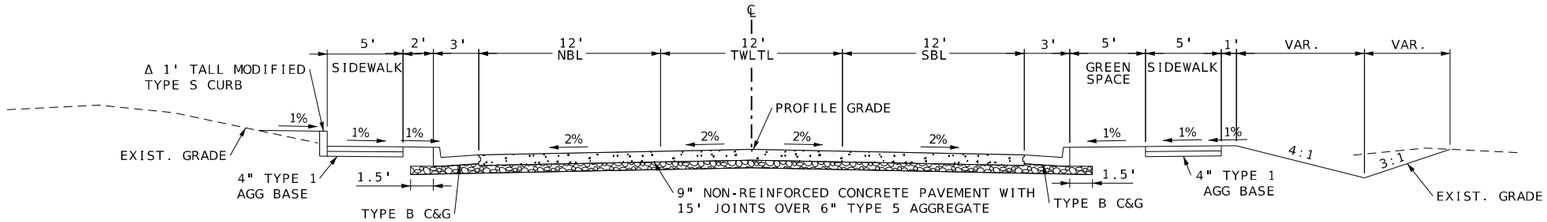
PERMANENT AGGREGATE EDGE TREATMENT FACTOR
1.40 TONS/CY

BITUMINOUS FOG SEAL APPLICATION RATE
0.20 GAL/YD²



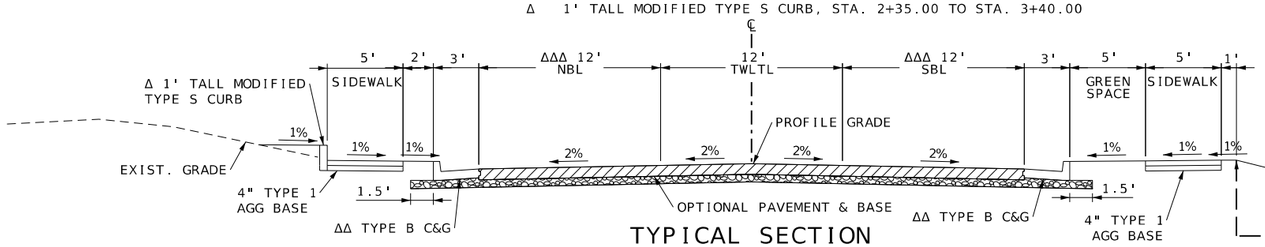
TYPICAL SECTION
MAIN STREET
STA. 0+90.00 TO STA. 2+19.43

▽ MEDIAN WIDTH VARIES.
▽▽ 8" CONC. MEDIAN, STA. 0+92.01 TO STA. 2+19.43, WIDTH VARIES.
▽▽▽ SHIFT CROWN FROM 0' TO 4.39' RT, STA. 0+90.00 TO STA. 1+20.54
SHIFT CROWN FROM 4.39' RT TO 0', STA. 1+20.54 TO STA. 1+45.54



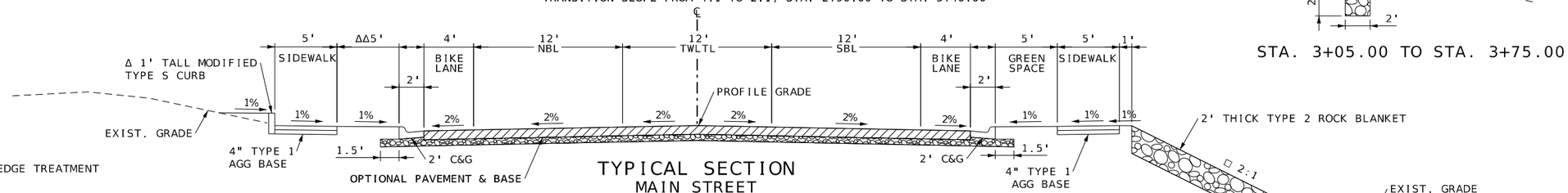
TYPICAL SECTION
MAIN STREET
STA. 2+19.43 TO STA. 2+50.00

Δ 1' TALL MODIFIED TYPE S CURB, STA. 2+35.00 TO STA. 3+40.00



TYPICAL SECTION
MAIN STREET
STA. 2+50.00 TO STA. 3+18.09

Δ 1' TALL MODIFIED TYPE S CURB, STA. 2+35.00 TO STA. 3+40.00
ΔΔ TRANSITION FROM MODOT 3' TYPE B C&G TO 2' C&G, STA. 2+90.09 TO 3+18.09
ΔΔΔ TRANSITION FROM 12' WIDTH TO 16' WIDTH, STA. 2+90.09 TO STA. 3+18.09
□ 4:1 SLOPE FROM 2+50.00 TO STA. STA. 2+90.00
TRANSITION SLOPE FROM 4:1 TO 2:1, STA. 2+90.00 TO STA. 3+40.00



TYPICAL SECTION
MAIN STREET
STA. 3+18.09 TO STA. 3+75.00

Δ 1' TALL MODIFIED TYPE S CURB, STA. 2+35.00 TO STA. 3+40.00
ΔΔ TRANSITION WIDTH FROM 2' TO 5', STA. 3+17.96 TO STA. 3+66.96
□ TRANSITION SLOPE FROM 4:1 TO 2:1, STA. 2+90.00 TO STA. 3+40.00
2:1 SLOPE FROM STA. 3+40.00 TO STA. 3+75.00

PERMANENT AGGREGATE EDGE TREATMENT

NOT TO SCALE

STA. 3+05.00 TO STA. 3+75.00

TYPICAL SECTION
SHEET 5 OF 17

Jonathan Peitz
2024.08.09 15:33:16 -05'00'
STATE OF MISSOURI
JONATHAN W. PEITZ NUMBER PE-2017019023
PROFESSIONAL ENGINEER
JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED: 8/9/2024
ROUTE: CC | STATE: MO
DISTRICT: SW | SHEET NO.: 2
COUNTY: CHRISTIAN
JOB NO.: J8S0736F
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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF AUTHORITY NO. 001592

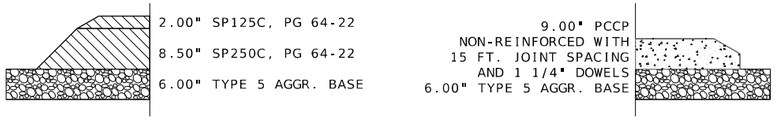
NOTE:
CROSS SECTIONS AND EARTHWORK IN THIS PROJECT ARE BASED ON THE CONCRETE OPTION. CONTRACTOR IS RESPONSIBLE FOR MAKING ANY ADJUSTMENTS WITH NO EXTRA PAY IF ASPHALT OPTION IS USED.

SUBGRADE PROFILE AND CROSS SECTIONS ARE DESIGNED FOR THE THINNER PAVEMENT DESIGN. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING THE PROFILE GRADE FOR EITHER PAVEMENT DESIGN WITH NO DIRECT PAY. CROSSROAD STRUCTURES ARE DESIGNED TO ACCOMMODATE A MINIMUM COVER BASED ON THE THICKER PAVEMENT DESIGN.

SEE TYPICAL SECTION SHEET 9 OF 16 FOR PERMANENT AGGREGATE EDGE TREATMENT DETAILS.

SEE STD. PLAN 401.00 FOR SAFETY EDGE DETAILS.

OPTIONAL PAVEMENT DESIGN

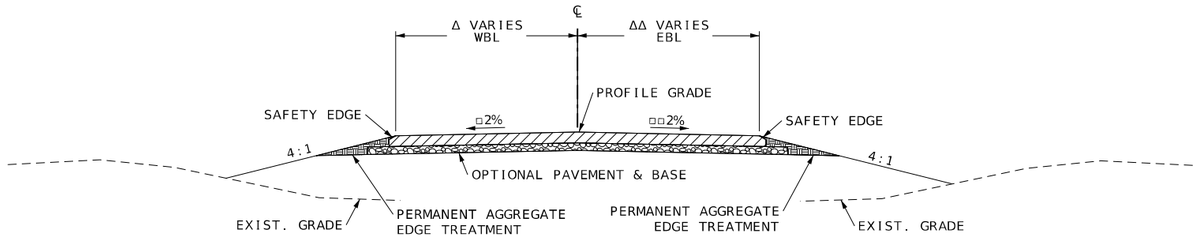


ASPHALT FACTORS	
MATERIAL	TONS/CY
SP125C, PG 64-22	1.927
SP250C, PG 64-22	1.946

TACK COAT APPLICATION RATE
0.10 GAL/YD² (UNDILUTED)

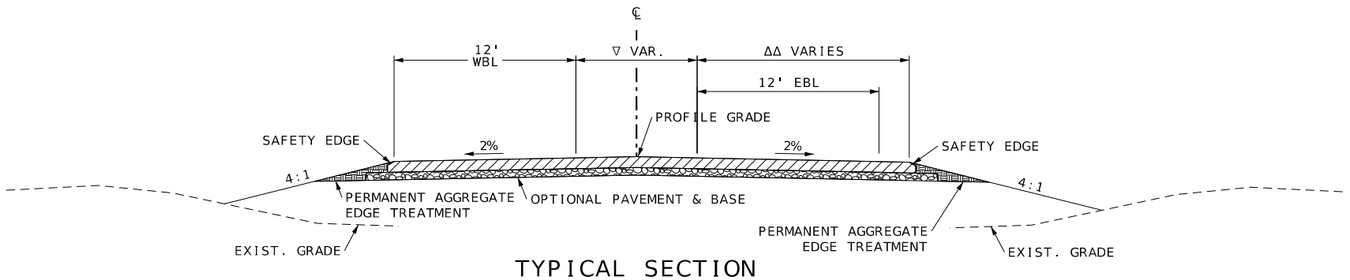
PERMANENT AGGREGATE EDGE TREATMENT FACTOR
1.40 TONS/CY

BITUMINOUS FOG SEAL APPLICATION RATE
0.20 GAL/YD²



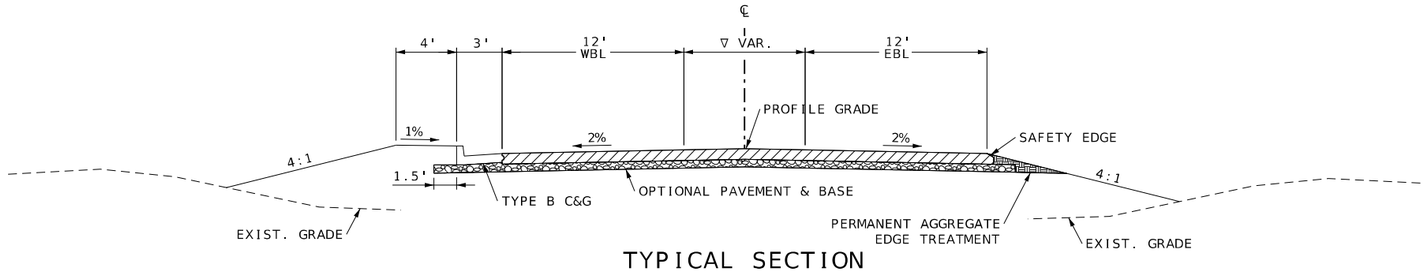
TYPICAL SECTION
CEDAR STREET
STA. 2+04.83 TO STA. 2+94.84

Δ TRANSITION FROM 10.31' TO 14', STA. 2+04.83 TO STA. 2+76.05
ΔΔ TRANSITION FROM 10.26' TO 14', STA. 2+04.83 TO STA. 3+70.61
□ TRANSITION FROM 1.35% TO 2%, STA. 2+04.83 TO STA. 2+24.83
□□ TRANSITION FROM 1.50% TO 2%, STA. 2+04.83 TO STA. 2+24.83



TYPICAL SECTION
CEDAR STREET
STA. 2+94.84 TO STA. 3+83.84

▽ MEDIAN WIDTH VARIES. TRANSITION WIDTH FROM 0' TO 9', STA. 2+94.84 TO STA. 4+12.88.
ΔΔ TRANSITION FROM 10.26' TO 14', STA. 2+04.83 TO STA. 3+70.61



TYPICAL SECTION
CEDAR STREET
STA. 3+83.84 TO STA. 4+08.57

▽ MEDIAN WIDTH VARIES. TRANSITION WIDTH FROM 0' TO 9', STA. 2+94.84 TO STA. 4+12.88.

PERMANENT AGGREGATE EDGE TREATMENT

NOT TO SCALE

TYPICAL SECTION
SHEET 6 OF 17

Jonathan Peitz
2024.08.09 08:32:15 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	2

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

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)

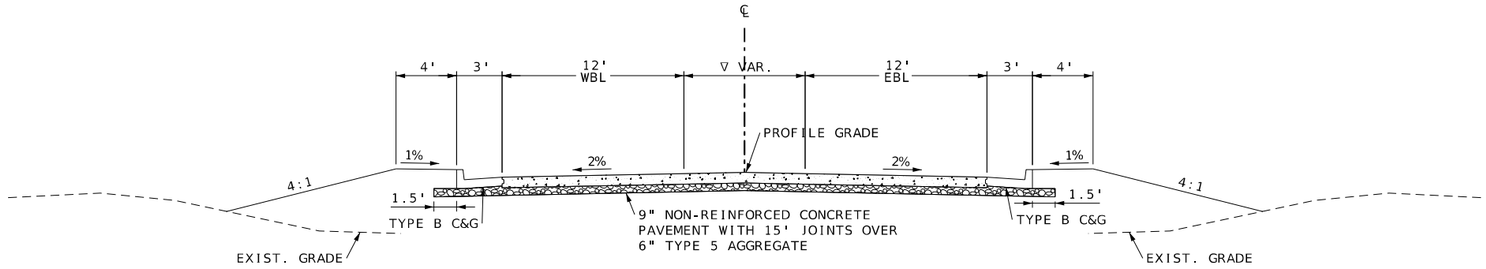
olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

NOTE:
SEE TYPICAL SECTION SHEET 9 OF 16 FOR PERMANENT AGGREGATE EDGE TREATMENT DETAILS.

SEE STD. PLAN 401.00 FOR SAFETY EDGE DETAILS.

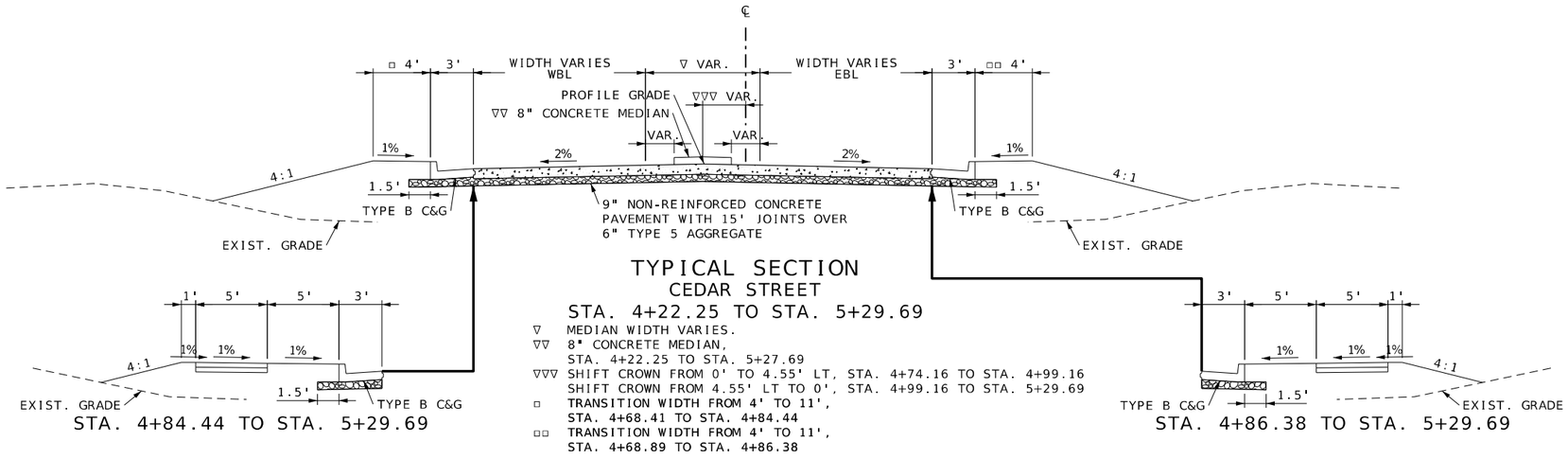
PERMANENT AGGREGATE EDGE TREATMENT FACTOR
1.40 TONS/CY

BITUMINOUS FOG SEAL APPLICATION RATE
0.20 GAL/YD²



TYPICAL SECTION
CEDAR STREET
STA. 4+08.57 TO STA. 4+22.25

▽ MEDIAN WIDTH VARIES. TRANSITION WIDTH FROM 0' TO 9', STA. 2+94.84 TO STA. 4+12.88.



STA. 4+84.44 TO STA. 4+29.69

TYPICAL SECTION
CEDAR STREET
STA. 4+22.25 TO STA. 5+29.69

▽ MEDIAN WIDTH VARIES.
▽▽ 8" CONCRETE MEDIAN, STA. 4+22.25 TO STA. 5+27.69
▽▽▽ SHIFT CROWN FROM 0' TO 4.55' LT, STA. 4+74.16 TO STA. 4+99.16
SHIFT CROWN FROM 4.55' LT TO 0', STA. 4+99.16 TO STA. 5+29.69
□ TRANSITION WIDTH FROM 4' TO 11', STA. 4+68.41 TO STA. 4+84.44
□□ TRANSITION WIDTH FROM 4' TO 11', STA. 4+68.89 TO STA. 4+86.38

STA. 4+86.38 TO STA. 5+29.69

PERMANENT AGGREGATE EDGE TREATMENT

NOT TO SCALE

TYPICAL SECTION
SHEET 7 OF 17

Jonathan W. Peitz
2024.08.29 09:24:15 -05'00'
STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER
JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	2

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

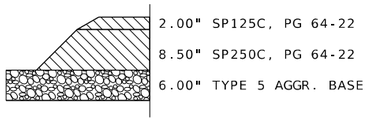
NOTE:
CROSS SECTIONS AND EARTHWORK IN THIS PROJECT ARE BASED ON THE CONCRETE OPTION. CONTRACTOR IS RESPONSIBLE FOR MAKING ANY ADJUSTMENTS WITH NO EXTRA PAY IF ASPHALT OPTION IS USED.

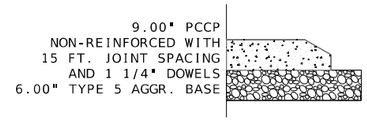
SUBGRADE PROFILE AND CROSS SECTIONS ARE DESIGNED FOR THE THINNER PAVEMENT DESIGN. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING THE PROFILE GRADE FOR EITHER PAVEMENT DESIGN WITH NO DIRECT PAY. CROSSROAD STRUCTURES ARE DESIGNED TO ACCOMMODATE A MINIMUM COVER BASED ON THE THICKER PAVEMENT DESIGN.

SEE TYPICAL SECTION SHEET 9 OF 16 FOR PERMANENT AGGREGATE EDGE TREATMENT DETAILS.

SEE STD. PLAN 401.00 FOR SAFETY EDGE DETAILS.

OPTIONAL PAVEMENT DESIGN



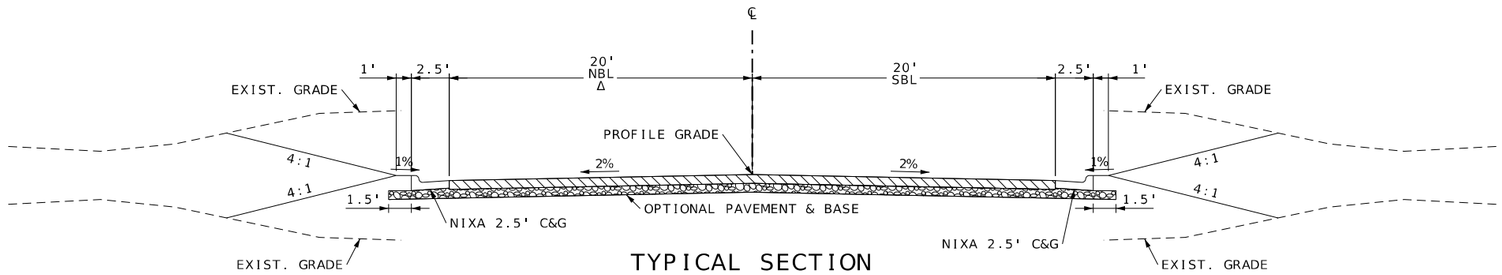


ASPHALT FACTORS	
MATERIAL	TONS/CY
SP125C, PG 64-22	1.927
SP250C, PG 64-22	1.946

TACK COAT APPLICATION RATE
0.10 GAL/YD² (UNDILUTED)

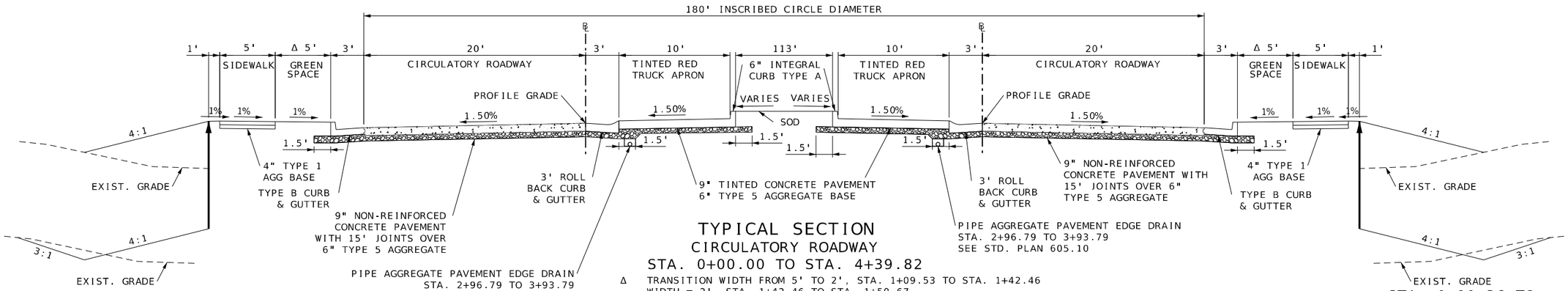
PERMANENT AGGREGATE EDGE TREATMENT FACTOR
1.40 TONS/CY

BITUMINOUS FOG SEAL APPLICATION RATE
0.20 GAL/YD²



TYPICAL SECTION
ROSEWOOD LANE
STA. 0+26.00 TO STA. 1+53.49

Δ TRANSITION WIDTH FROM 20' TO 19.46', STA. 1+43.49 TO STA. 1+53.49



TYPICAL SECTION
CIRCULATORY ROADWAY
STA. 0+00.00 TO STA. 4+39.82

Δ TRANSITION WIDTH FROM 5' TO 2', STA. 1+09.53 TO STA. 1+42.46
WIDTH = 2', STA. 1+42.46 TO STA. 1+50.67

STA. 0+90.36 TO STA. 1+56.38
STA. 3+32.53 TO STA. 3+52.26

STA. 0+90.36 TO STA. 1+56.38
STA. 3+32.53 TO STA. 3+52.26

PERMANENT AGGREGATE EDGE TREATMENT

NOT TO SCALE

TYPICAL SECTION
SHEET 8 OF 17

Jonathan W. Peitz 2024.08.09 10:21:44 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	2

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

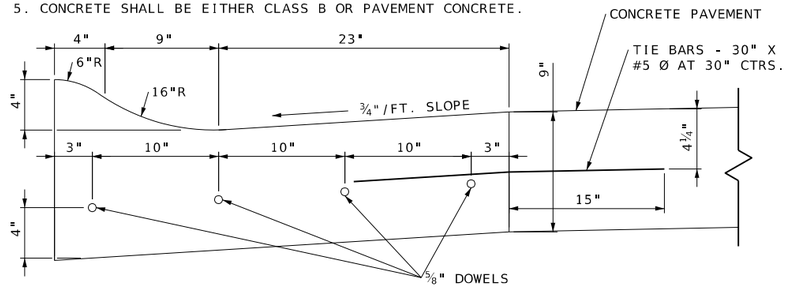
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

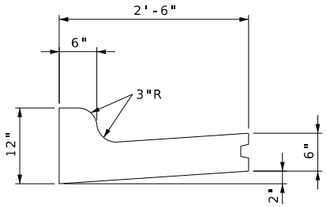
NOTE:
CROSS SECTIONS AND EARTHWORK IN THIS PROJECT ARE BASED ON THE CONCRETE OPTION. CONTRACTOR IS RESPONSIBLE FOR MAKING ANY ADJUSTMENTS WITH NO EXTRA PAY IF ASPHALT OPTION IS USED.

SUBGRADE PROFILE AND CROSS SECTIONS SHOULD BE DESIGNED FOR THE THINNER PAVEMENT DESIGN. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING THE PROFILE GRADE FOR EITHER PAVEMENT DESIGN WITH NO DIRECT PAY. CROSSROAD STRUCTURES SHOULD BE DESIGNED TO ACCOMMODATE A MINIMUM COVER BASED ON THE THICKER PAVEMENT DESIGN.

1. 1/2" EXPANSION JOINTS WITH 2' DOWELS SHALL BE PLACED AT RADIUS POINTS AND AT 150' INTERVALS. THESE DOWELS SHALL BE GREASED AND WRAPPED ON ONE END WITH EXPANSION TUBES.
2. 1" DEEP CONTRACTION JOINTS SHALL BE INSTALLED AT APPROXIMATELY 10' INTERVALS. THESE JOINTS SHALL PASS ACROSS THE ENTIRE CURB SECTION.
3. FIX DOWELS WITH BAR SUPPORTS.
4. USE 5/8" DIAMETER BY SMOOTH DOWELS AT LOCATIONS SHOWN.
5. CONCRETE SHALL BE EITHER CLASS B OR PAVEMENT CONCRETE.

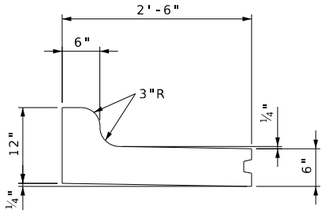


3' ROLL BACK CURB AND GUTTER



NIXA 2.5' CONCRETE CURB & GUTTER DETAIL

NOTES:
1. KEYWAY OR #5 DOWEL @ 2'-6" TO BE USED ON ALL CONCRETE PAVEMENT. KEYWAY AND DOWEL MAY BE OMITTED WHERE ASPHALT PAVEMENT IS USED.



2.5' CONCRETE SPILL CURB & GUTTER DETAIL

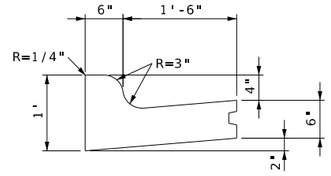
NOTES:
1. KEYWAY OR #5 DOWEL @ 2'-6" TO BE USED ON ALL CONCRETE PAVEMENT. KEYWAY AND DOWEL MAY BE OMITTED WHERE ASPHALT PAVEMENT IS USED.

ASPHALT FACTORS	
MATERIAL	TONS/CY
SP125C, PG 64-22	1.927
SP250C, PG 64-22	1.946

TACK COAT APPLICATION RATE
0.10 GAL/YD² (UNDILUTED)

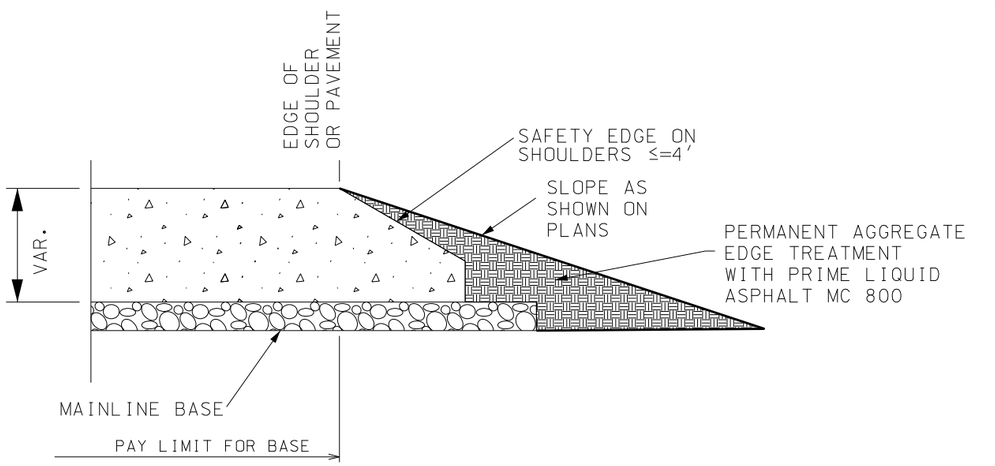
PERMANENT AGGREGATE EDGE TREATMENT FACTOR
1.40 TONS/CY

PRIME LIQUID ASPHALT MC 800 APPLICATION RATE
0.25 GAL/YD²

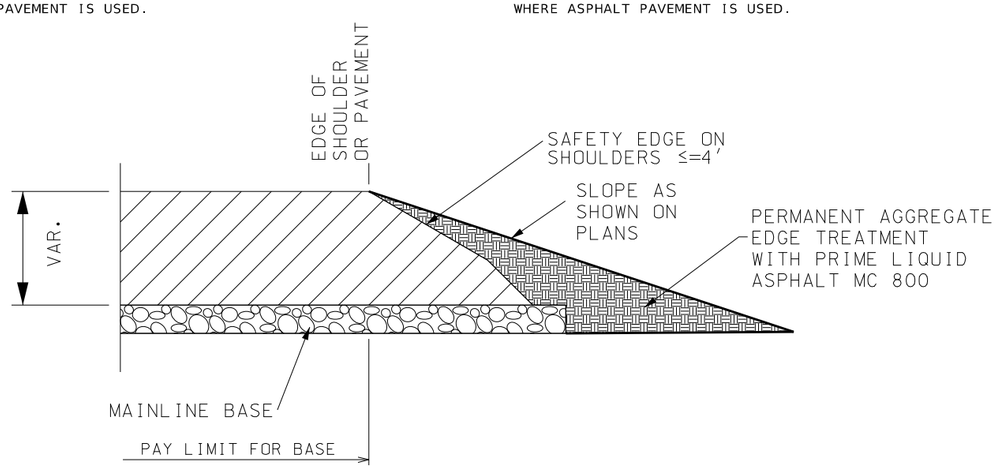


2' CONCRETE CURB & GUTTER DETAIL

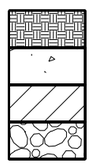
NOTES:
1. KEYWAY OR #5 DOWEL @ 2'-6" TO BE USED ON ALL CONCRETE PAVEMENT. KEYWAY AND DOWEL MAY BE OMITTED WHERE ASPHALT PAVEMENT IS USED.



PCCP PAVEMENT



HMA PAVEMENT



PERMANENT AGGREGATE EDGE TREATMENT
PCC (PORTLAND CEMENT CONCRETE)
HMA (HOT MIX ASPHALT)
MAINLINE BASE 6" TYPE 5 AGGREGATE

PERMANENT AGGREGATE EDGE TREATMENT

GENERAL NOTE:

1. PERMANENT AGGREGATE EDGE TREATMENT WILL BE PAID FOR UNDER PAY ITEM 3049910 PER TON. SEE JOB SPECIAL PROVISIONS.
2. SEE STANDARD PLAN 401.00C FOR SAFETY EDGE DETAILS.

NOT TO SCALE

TYPICAL SECTION
SHEET 9 OF 17

Jonathan W. Peitz
2024.08.09 14:44:53 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	2

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

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)

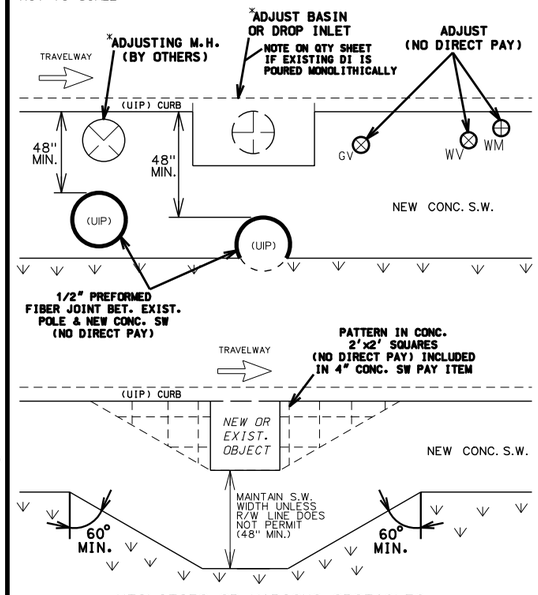
olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF AUTHORITY NO. 001592

1. CONCRETE SIDEWALK, CURB RAMP AND DETECTABLE WARNING DEVICE (TRUNCATED DOMES) DETAILS SHALL CONFORM TO ADA REQUIREMENTS UNLESS NOTED OTHERWISE IN THESE PLANS. FOR SIDEWALK JOINT AND CURB DETAILS, SEE STANDARD PLAN 609.00.
2. TINTED CONCRETE SHALL NOT BE USED. TRUNCATED DOMES SHALL BE OF A COLOR CONTRASTING WITH UNTINTED CONCRETE AND APPROVED BY THE ENGINEER. TRUNCATED DOMES ARE REQ'D. AT STREET INTERSECTIONS AND COMMERCIAL ENTRANCES WITH TRAFFIC CONTROL ONLY. (STOP/YIELD SIGNS OR SIGNALS)
3. CONCRETE SHALL BE IN ACCORDANCE WITH SEC. 608 & SEC. 609. CURING COMPOUND SHALL BE TRANSPARENT.
4. ALL CONCRETE SIDEWALK AND CURB RAMP/TRANSITION/LANDING AREAS SHALL BE 4" THICK, WITH THE EXCEPTION OF THE BOTTOM TRANSITION WHICH TIES INTO THE EXISTING PAVED APPROACH AND ROADWAY. THIS TRANSITION, OR LANDING AREA, MUST BE 8" THICK IF IT FALLS WITHIN THE RADIUS OF THE APPROACH AND SITS AT THE BACK OF CURB OF THE ROADWAY. ALL CONCRETE SIDEWALK AND CURB RAMP/TRANSITION/LANDING AREAS SHALL BE ON 4" TYPE 1 AGGREGATE BASE.
5. AGGREGATE BASE DENSITY - CONTRACTOR SHALL EXERCISE GOOD COMPACTIVE EFFORT AS APPROVED BY THE ENGINEER. DENSITY REQUIREMENTS BY NUCLEAR METHOD WILL NOT BE REQUIRED DUE TO WORK AREA CONSTRAINTS.
6. CONCRETE CURB RAMP - WIDTH = 5' MIN. LENGTH = 5' MIN. TO 15' PREFERRED MAX. (16' MAX.)
   RUNNING SLOPE = >5% (MIN.) TO 8.33% (MAX.) UNIFORMLY DOWN THE LENGTH OF THE RAMP.

   CONCRETE LANDING - WIDTH = TO MATCH PROPOSED CURB RAMP AND SIDEWALK WIDTH LENGTH = 5' MIN.
   SLOPE IN ALL DIRECTIONS = 1% PREFERRED (2% MAX.) UNLESS TIED TO ROADWAY EXCEPTION.
7. ALL EXISTING UTILITIES SHALL BE USED IN PLACE UNLESS OTHERWISE NOTED. ALL MANHOLE OR VALVE COVER, ETC. ELEVATIONS SHALL BE ADJUSTED AS REQUIRED IF THEY ARE LOCATED WITHIN THE IMPROVEMENT AREA.
8. "PREFORMED FIBER JOINT" SHALL BE IN ACCORDANCE WITH SEC. 1057 FOR PREFORMED FIBER JOINT EXPANSION JOINT FILLER.
9. REINFORCING STEEL TIE BARS SHALL BE IN ACCORDANCE WITH SECTION 706. ALL REINFORCING STEEL SHALL BE EPOXY COATED AND USED AS APPROVED BY THE ENGINEER. WHERE TIE BARS ARE USED, THE CONCRETE SHALL BE 8" THICK (NO DIRECT PAY).
10. CONSTRUCTION AND LENGTH OF EACH CURB RAMP INCLUDING LANDINGS AND TRANSITION AREAS SHALL BE AS SHOWN ON THE PLANS UNLESS DIFFERING FIELD CONDITIONS ARE FOUND OR AS APPROVED BY THE ENGINEER. CURB RAMP CROSS SLOPES SHALL BE 1% PREFERRED (2% MAX.) TOWARD THE STREET. CURB RAMPS ARE TO BE FORMED UP AND HAVE A TRUE AND STRAIGHT LINE.
11. SIDEWALK AND CONCRETE CURB SHALL BE POURED MONOLITHICALLY. THE CONTRACTOR SHALL MATCH EXISTING GROUND SLOPES ADJACENT TO THE CURB RAMPS OR USE AN ALTERNATE METHOD APPROVED BY THE ENGINEER.
12. S-CURB 12"-30" HIGH (MODIFIED S-CURB) WILL REQUIRE #4 REINFORC. BARS ON MAX. 12" CENTERS - SEE DETAIL (NO DIRECT PAY)
13. SODDED SLOPES AT EDGES OF SIDEWALK OR S-CURB SHOULD BE GRADED TO BE 6:1 MIN.

NOT TO SCALE

* EXIST. DITOP OR MANHOLE MUST BE 2% MAX.

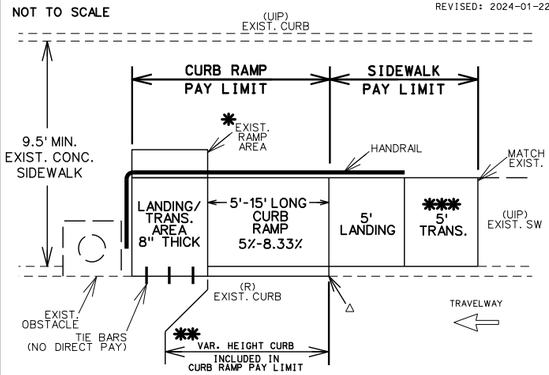


UTILITIES OR VARIOUS OBSTACLES

NO UTILITY POLES ARE ALLOWED IN THE RAMP LIMITS, BUT ARE PERMITTED IN THE LANDING AREAS AND SIDEWALK WITH A MINIMUM OF 4' CLEARANCE AROUND THE POLE

NOT TO SCALE

REVISED: 2024-01-22



△ MATCH EXIST CURB

* FILL IN WHERE EXIST. RAMP WAS. SIZE WILL VARY. (SEE TYPICAL SHEET)

** VAR. HEIGHT CURB ALONG ROADSIDE MAY BE CONSTRUCTED MONOLITHIC OR SEPERATE DEPENDING ON CONST. OPERATIONS.

*** TO BLEND CROSS SLOPE DISCREPENCY

▬ HANDRAIL 2' OFF E.O.P (SEE HANDRAIL STANDARDS)

CURB RAMP - IN EXISTING 9.5'+ WIDE SW

PAY LIMITS

Jonathan W. Peitz
2024.08.09 15:54:06 -05'00'
STATE OF MISSOURI
JONATHAN W. PEITZ NUMBER PE-2010019023
PROFESSIONAL ENGINEER
JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2010019023

DATE PREPARED: 8/9/2024

ROUTE: CC | STATE: MO

DISTRICT: SW | SHEET NO.: 2

COUNTY: CHRISTIAN

JOB NO.: J8S0736F

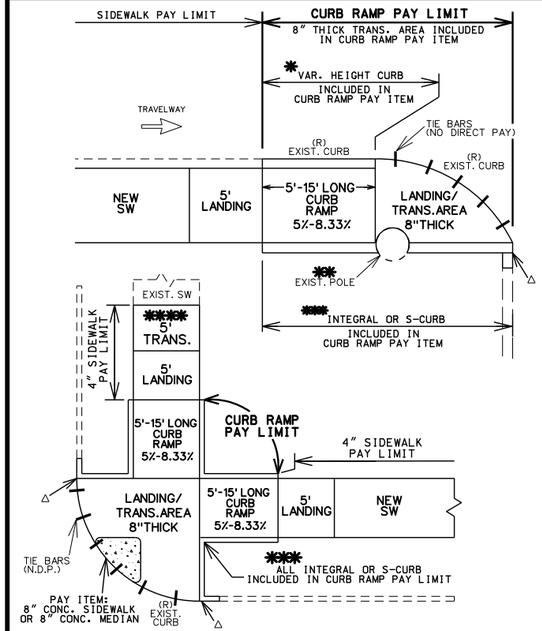
CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.:

DESCRIPTION	DATE

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



△ MATCH EXIST CURB HEIGHT, OPTIONAL 1' TIE-IN TO EXIST CURB

* VAR. HEIGHT CURB ALONG ROADSIDE MAY BE CONST. MONOLITHIC OR SEP. DEPENDING ON CONST. OPERATIONS.

** NO UTILITY POLES ARE ALLOWED IN THE RAMP LIMITS, BUT ARE PERMITTED IN THE LANDING AND TRANSITION AREAS.

*** TYPE OF CURB WILL DEPEND ON FIELD CONDITIONS.

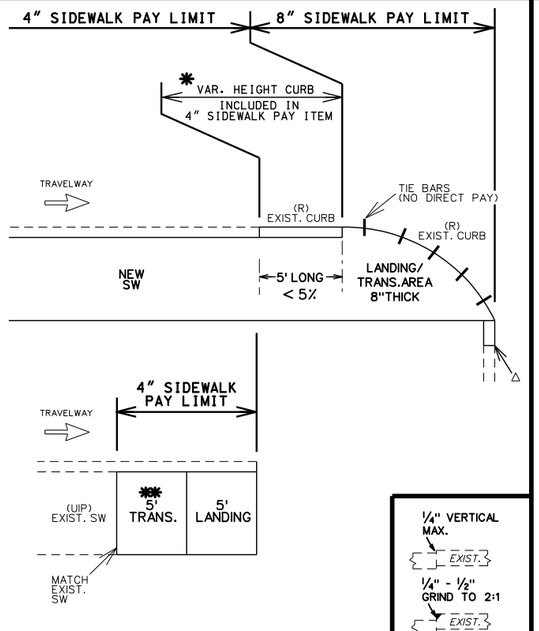
**** TO BLEND CROSS SLOPE DISCREPENCY

CURB RAMP

PAY LIMITS

WHEN RAMP AREA IS LONGER THEN 5'AND BET. 5%-8.33% GRADE, IT IS CONSIDERED A CURB RAMP

NOT TO SCALE



△ MATCH EXIST CURB HEIGHT (1' TAPER FROM SIDEWALK UP TO EXIST CURB HEIGHT)

* VAR. HEIGHT CURB ALONG ROADSIDE MAY BE CONSTRUCTED MONOLITHIC OR SEPERATE DEPENDING ON CONST. OPERATIONS. DOWEL TO EXIST. GUTTER/PAVEMENT (NO DIRECT PAY).

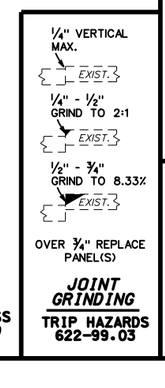
** TO BLEND CROSS SLOPE DISCREPENCY

SIDEWALK

PAY LIMITS

WHEN RAMP AREA IS 5'LONG AND LESS THEN 5% GRADE, IT IS CONSIDERED SIDEWALK

NOT TO SCALE

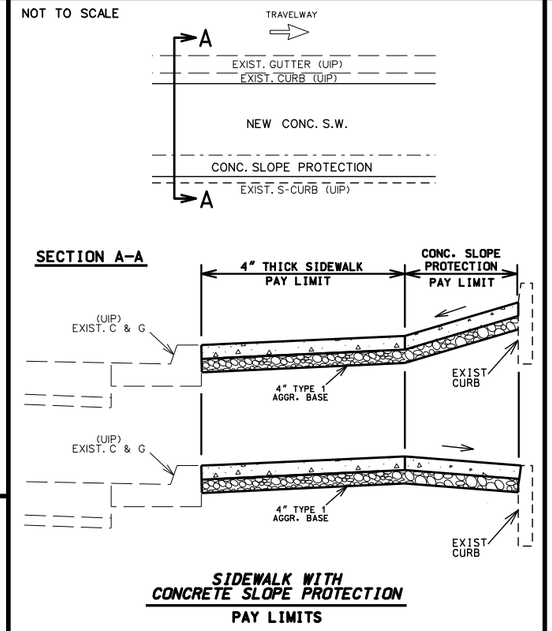


OVER 3/4" REPLACE PANEL(S)

JOINT GRINDING

TRIP HAZARDS 622-99.03

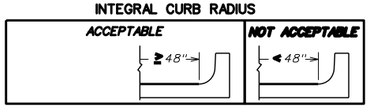
NOT TO SCALE



SIDEWALK WITH CONCRETE SLOPE PROTECTION

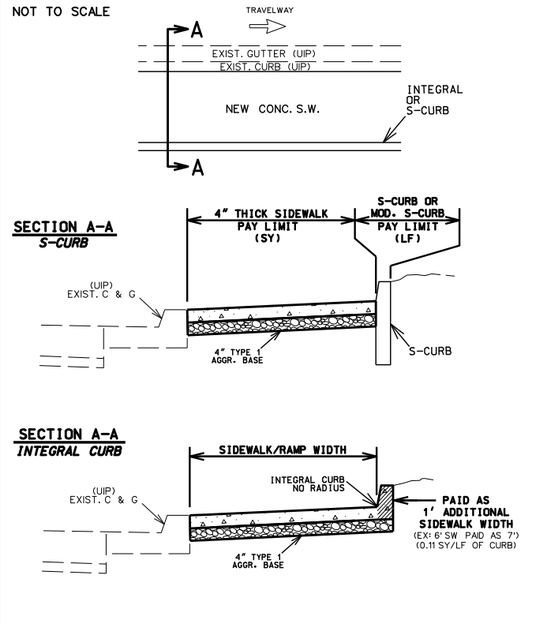
PAY LIMITS

INTEGRAL CURB RADIUS



SECTION A-A
INTEGRAL CURB WITH RADIUS

NOT TO SCALE



SIDEWALK & RAMP WITH CURB

PAY LIMITS

ADA LIBRARY TYPICAL

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

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF AUTHORITY NO. 001592

TYPICAL SHEET 10 OF 17

PERPENDICULAR – TYPE 1

TYPE 1-A

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	–	10.0	12.0	–	10.0	12.0	–	10.0	12.0	
CURB RAMP SY	–	8.2	12.8	–	10.8	12.7	–	13.5	15.8	
CONC. SIDEWALK SY	–	5.6	6.4	–	5.6	6.4	–	4.9	6.4	
TYPE 1 AGGREGATE SY	–	13.8	16.0	–	16.4	19.1	–	18.3	22.2	
ADA LINEAR GRADING LF	–	22.0	22.0	–	27.5	27.5	–	30.0	30.5	
SODDING SY	–	5.8	5.7	–	6.8	6.9	–	7.5	7.9	

TYPE 1-B

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	–	22.0	24.0	–	22.0	24.0	–	22.0	24.0	
CURB RAMP SY	–	10.9	13.1	–	13.6	16.3	–	16.2	19.3	
CONC. SIDEWALK SY	–	5.6	6.3	–	5.6	6.4	–	4.9	5.7	
TYPE 1 AGGREGATE SY	–	16.5	19.4	–	19.2	22.7	–	21.1	25.0	
ADA LINEAR GRADING LF	–	28.0	28.0	–	34.5	34.5	–	38.0	38.0	
SODDING SY	–	7.4	7.8	–	8.4	8.7	–	9.1	9.5	

TYPE 1-C

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	–	10.0	12.0	–	10.0	12.0	–	10.0	12.0	
CURB RAMP SY	–	8.8	10.3	–	11.5	13.4	–	14.1	16.5	
CONC. SIDEWALK SY	–	5.6	6.4	–	5.6	6.4	–	4.9	5.7	
TYPE 1 AGGREGATE SY	–	14.4	16.7	–	17.1	19.8	–	19.0	22.1	
ADA LINEAR GRADING LF	–	22.0	22.0	–	26.5	26.5	–	30.0	30.0	
SODDING SY	–	11.5	11.7	–	13.5	13.5	–	15.0	15.2	

TYPE 1-D

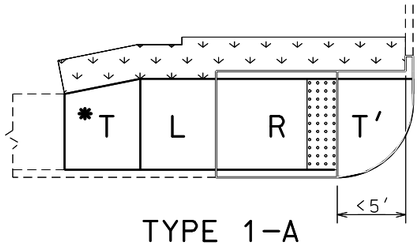
LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	–	18.0	24.0	–	18.0	24.0	–	18.0	24.0	
CURB RAMP SY	–	18.6	22.8	–	24.0	29.0	–	29.3	35.3	
CONC. SIDEWALK SY	–	11.2	12.8	–	11.2	12.8	–	9.8	11.4	
TYPE 1 AGGREGATE SY	–	29.8	35.6	–	35.2	41.8	–	39.1	46.7	
ADA LINEAR GRADING LF	–	42.0	50.0	–	57.0	61.0	–	67.0	72.0	
SODDING SY	–	11.0	11.3	–	13.0	13.3	–	14.5	14.9	

TYPE 1-E

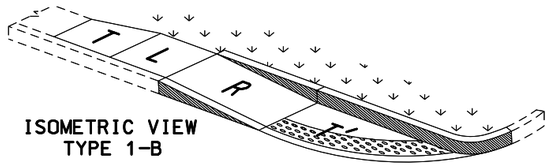
LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	–	18.0	24.0	–	18.0	24.0	–	18.0	24.0	
CURB RAMP SY	–	14.8	19.0	–	20.1	25.2	–	25.5	31.4	
CONC. SIDEWALK SY	–	11.2	12.8	–	11.2	12.8	–	9.8	11.4	
TYPE 1 AGGREGATE SY	–	26.0	31.8	–	31.3	38.0	–	35.3	42.8	
ADA LINEAR GRADING LF	–	43.0	46.0	–	52.0	55.0	–	59.0	62.0	
SODDING SY	–	13.3	13.6	–	16.0	16.9	–	18.6	19.3	

TYPE 1-F

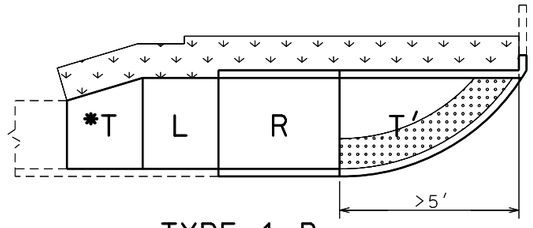
LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	–	14.0	16.0	–	14.0	16.0	–	14.0	16.0	
CURB RAMP SY	–	15.5	19.0	–	20.8	25.2	–	26.2	31.4	
CONC. SIDEWALK SY	–	11.2	12.8	–	11.2	12.8	–	9.8	11.4	
TYPE 1 AGGREGATE SY	–	26.7	31.8	–	32.0	38.0	–	36.0	42.8	
ADA LINEAR GRADING LF	–	43.0	46.0	–	52.0	55.0	–	59.0	62.0	
SODDING SY	–	18.4	18.8	–	22.4	22.8	–	25.6	25.9	



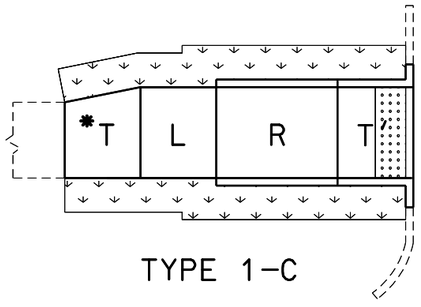
TYPE 1-A



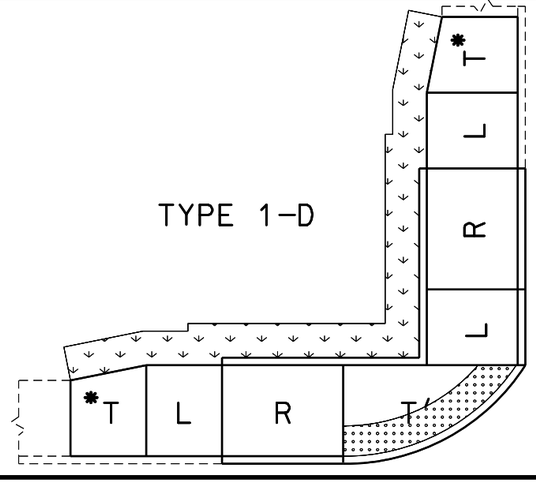
ISOMETRIC VIEW
TYPE 1-B



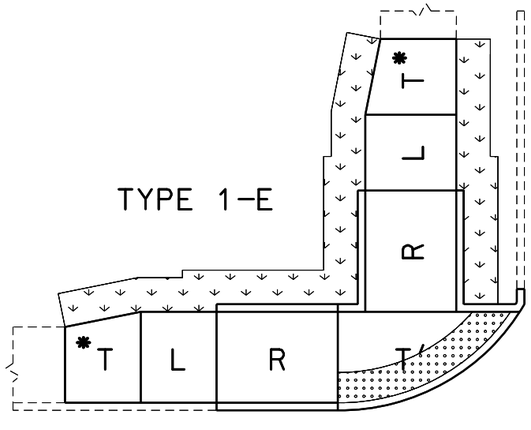
TYPE 1-B



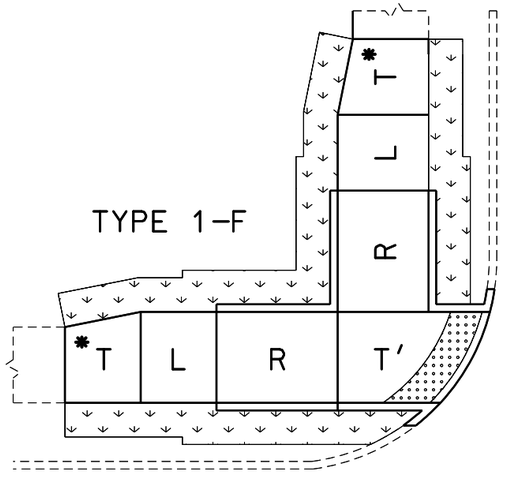
TYPE 1-C



TYPE 1-D



TYPE 1-E



TYPE 1-F

T'- IS TO BE 8" THICK AT ALL PAVED APPROACHES AND STREETS IF WITHIN THE RADIUS. PAID FOR AS CONCRETE CURB RAMP

T - TRANSITION TO EXISTING SW OR PAVED APPROACH (LANDING PREFERED AT PAVED APPROACH IF CONDITIONS ALLOW)

* - T IS STILL NEEDED EVEN IF THE EXISTING SIDEWALK IS THE SAME WIDTH AS THE NEW SIDEWALK.(IT WILL BLEND THE EXIST XSLOPE INTO THE NEW LANDING XSLOPE)

L - LANDING

R - RAMP

- CURB RAMP PAY LIMITS

- SOD SLOPE 6:1 MIN.

- TRUNCATED DOME LOCATION IF DIST. IS <5' OR >5'

TRUNCATED DOMES ARE USED ONLY AT STREETS & ENTRANCES UTILIZING YIELD / STOP SIGNS OR SIGNALS

NOTE:
QUANTITIES ARE CALCULATED BY AREA AND MAY NOT MATCH EXACT FIELD CONDITIONS.

REVISED: 2022-05-18

Jonathan Peitz 2024.08.09 13:31:46 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED: 8/9/2024
ROUTE: CC | STATE: MO
DISTRICT: SW | SHEET NO.: 2
COUNTY: CHRISTIAN
JOB NO.: J8S0736F
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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF AUTHORITY NO. 001592

ADA LIBRARY TYPICAL

TYPE 1

PERPENDICULAR CURB RAMPS

TYPICAL SHEET 11 OF 17

PARALLEL – TYPE 2

TYPE 2-A

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	–	10.0	10.0	–	10.0	10.0	–	10.0	10.0	
CURB RAMP SY	–	9.1	10.6	–	11.8	13.7	–	14.4	16.8	
CONC. SIDEWALK SY	–	5.6	6.4	–	4.9	5.7	–	4.9	5.7	
TYPE 1 AGGREGATE SY	–	14.7	17.0	–	16.7	19.4	–	19.3	22.5	
ADA LINEAR GRADING LF	–	26.0	26.0	–	29.0	29.0	–	33.0	33.0	
SODDING SY	–	8.0	8.3	–	8.6	8.8	–	9.6	9.8	

TYPE 2-B

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	–	10.0	10.0	–	10.0	10.0	–	10.0	10.0	
CURB RAMP SY	–	11.8	13.3	–	14.5	16.4	–	17.2	19.5	
CONC. SIDEWALK SY	–	5.6	6.4	–	4.9	5.7	–	4.9	5.7	
TYPE 1 AGGREGATE SY	–	17.4	19.7	–	19.4	22.1	–	22.1	25.2	
ADA LINEAR GRADING LF	–	26.0	26.0	–	29.0	29.0	–	33.0	33.0	
SODDING SY	–	13.8	14.1	–	15.1	15.5	–	17.1	17.5	

TYPE 2-C

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	–	10.0	10.0	–	10.0	10.0	–	10.0	10.0	
CURB RAMP SY	–	16.4	18.7	–	21.7	24.9	–	27.0	31.2	
CONC. SIDEWALK SY	–	11.2	12.8	–	9.8	11.4	–	9.8	11.4	
TYPE 1 AGGREGATE SY	–	27.6	31.5	–	31.5	36.3	–	36.8	42.6	
ADA LINEAR GRADING LF	–	41.0	41.0	–	47.0	47.0	–	55.0	55.0	
SODDING SY	–	12.3	12.5	–	13.6	13.9	–	15.6	15.9	

TYPE 2-D

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	–	10.0	10.0	–	10.0	10.0	–	10.0	10.0	
CURB RAMP SY	–	16.8	19.2	–	22.2	25.4	–	27.5	31.6	
CONC. SIDEWALK SY	–	11.2	12.8	–	9.8	11.4	–	9.8	11.4	
TYPE 1 AGGREGATE SY	–	28.0	32.0	–	32.0	36.8	–	37.3	43.0	
ADA LINEAR GRADING LF	–	41.0	41.0	–	47.0	47.0	–	55.0	55.0	
SODDING SY	–	20.2	20.3	–	22.4	23.2	–	26.4	27.2	

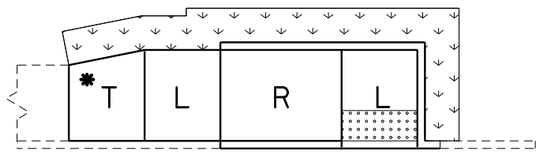
TYPE 2-E

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	–	10.0	10.0	–	10.0	10.0	–	10.0	10.0	
CURB RAMP SY	–	10.8	11.5	–	13.2	14.4	–	15.7	17.3	
CONC. SIDEWALK SY	–	5.6	6.7	–	5.0	6.0	–	5.0	6.0	
TYPE 1 AGGREGATE SY	–	16.4	18.2	–	18.2	20.4	–	20.7	23.3	
ADA LINEAR GRADING LF	–	22.5	22.5	–	26.5	26.5	–	30.5	30.5	
SODDING SY	–	–	–	–	–	–	–	–	–	
HANDRAIL LF	–	–	–	–	–	–	–	–	–	SEE STANDARDS FOR LENGTH

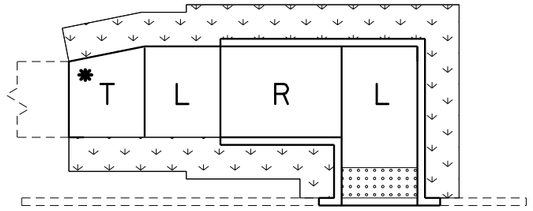
TYPE 2-F

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	–	10.0	10.0	–	10.0	10.0	–	10.0	10.0	
CURB RAMP SY	–	15.5	17.1	–	20.4	23.1	–	25.5	28.9	
CONC. SIDEWALK SY	–	11.2	13.4	–	10.0	12.0	–	10.0	12.0	
TYPE 1 AGGREGATE SY	–	26.7	30.5	–	30.4	35.1	–	35.5	40.9	
ADA LINEAR GRADING LF	–	39.0	39.0	–	47.0	47.0	–	55.0	55.0	
SODDING SY	–	–	–	–	–	–	–	–	–	
HANDRAIL LF	–	–	–	–	–	–	–	–	–	SEE STANDARDS FOR LENGTH

NOTE:
QUANTITIES ARE CALCULATED BY AREA AND MAY NOT MATCH EXACT FIELD CONDITIONS.



TYPE 2-A



TYPE 2-B

** 3.5' LANDING EXTENSION REQ'D. FOR INSTALLATION OF FUTURE OR NEW PED. PUSH BUTTON

NOTE: SEE STANDARDS FOR ALL PED. PUSH BUTTON LOCATIONS

– TRUNCATED DOMES

TRUNCATED DOMES ARE USED ONLY AT STREETS & ENTRANCES UTILIZING YIELD / STOP SIGNS OR SIGNALS

T – TRANSITION TO EXISTING SW

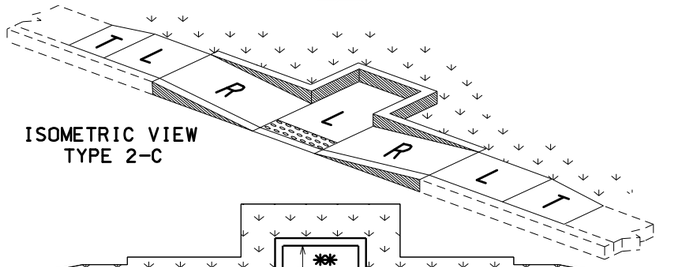
* – T IS STILL NEEDED EVEN IF THE EXISTING SIDEWALK IS THE SAME WIDTH AS THE NEW SIDEWALK.(IT WILL BLEND THE EXIST XSLOPE INTO THE NEW LANDING XSLOPE)

L – LANDING

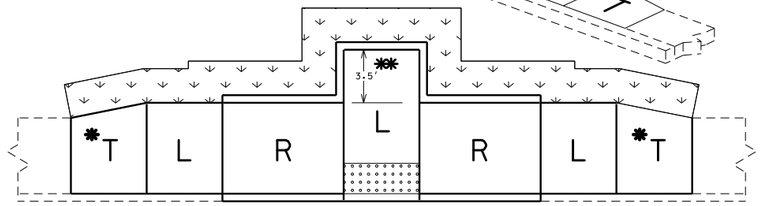
R – RAMP

– SOD SLOPE 6:1 MIN.

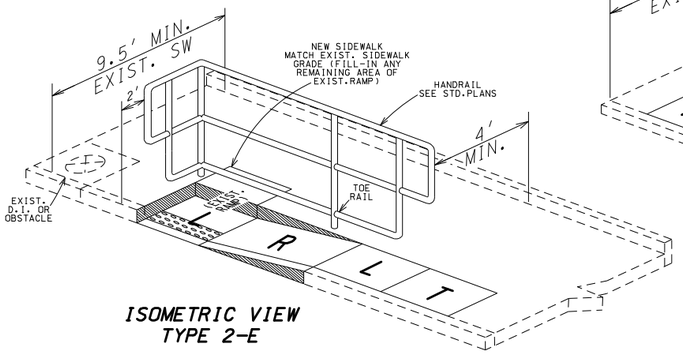
– CURB RAMP PAY LIMITS



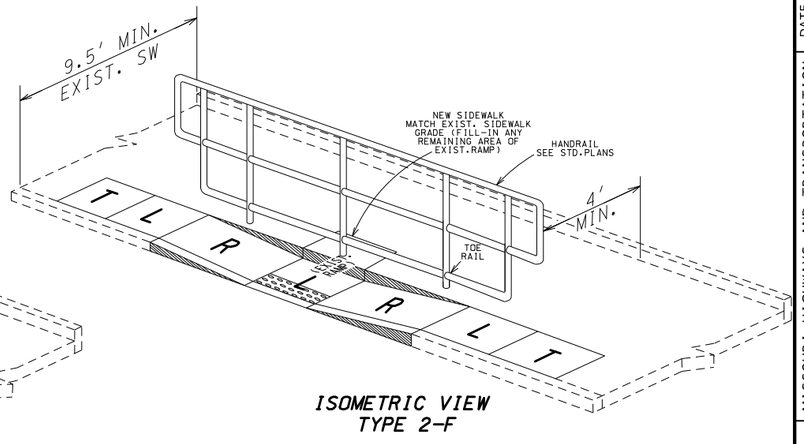
ISOMETRIC VIEW
TYPE 2-C



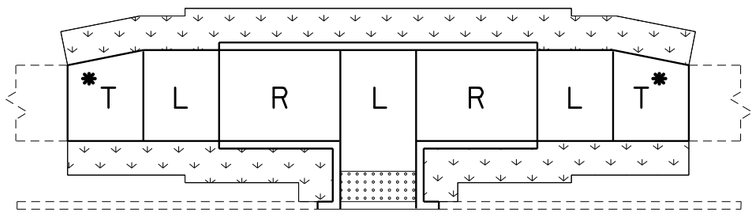
TYPE 2-C



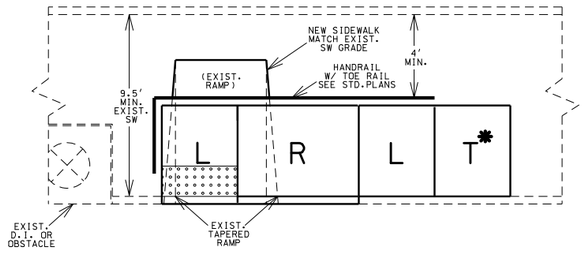
ISOMETRIC VIEW
TYPE 2-E



ISOMETRIC VIEW
TYPE 2-F



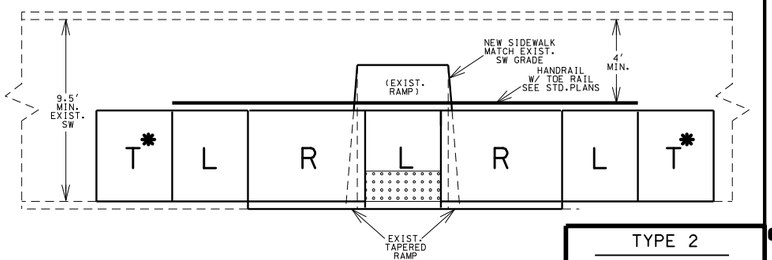
TYPE 2-D



TYPE 2-E

USE ONLY WHEN TYPE 2-F IS UNABLE TO BE CONSTRUCTED DUE TO AN EXIST. D.I. OR OTHER OBSTACLE

SEE STANDARDS FOR HANDRAIL SPECS



TYPE 2-F

SEE STANDARDS FOR HANDRAIL SPECS

REVISED: 2022-05-18

Jonathan Peitz
2024.08.09 09:10:05 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2007019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2007019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	2

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

TYPE 2
PARALLEL
CURB RAMPS

TYPICAL SHEET
12 OF 17

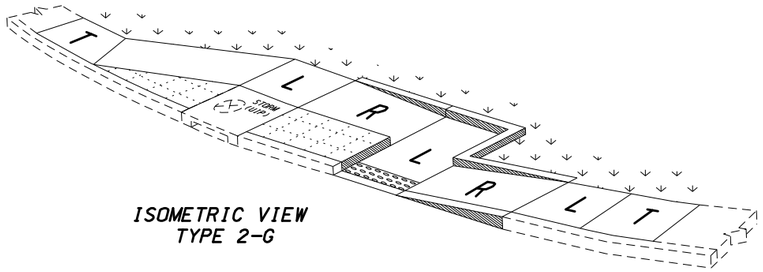
PARALLEL – TYPE 2 (cont'd.)

TYPE 2-G

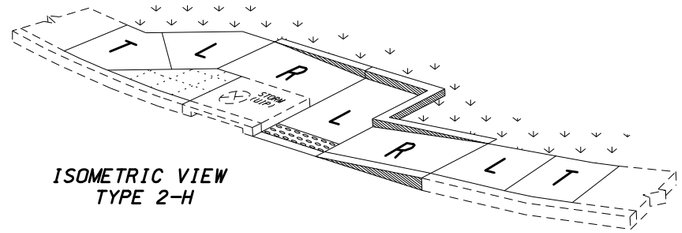
LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	–	12.0	12.0	–	10.0	10.0	–	10.0	10.0	
CURB RAMP SY	–	15.7	18.0	–	20.8	23.7	–	25.8	30.2	
CONC. SIDEWALK SY	–	21.4	25.0	–	17.6	20.3	–	15.2	17.5	
TYPE 1 AGGREGATE SY	–	37.1	43.0	–	38.4	44.0	–	41.0	47.7	
ADA LINEAR GRADING LF	–	52.0	52.0	–	54.0	54.0	–	58.0	58.0	
SODDING SY	–	13.6	13.6	–	13.7	13.5	–	14.5	14.9	

TYPE 2-H

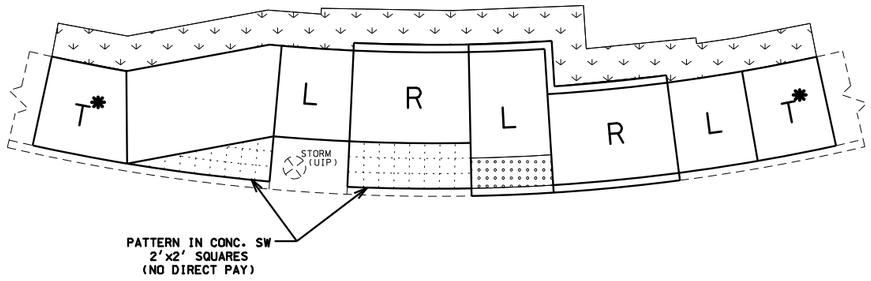
LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	–	12.0	12.0	–	10.0	10.0	–	10.0	10.0	
CURB RAMP SY	–	15.7	18.0	–	21.0	24.5	–	26.9	31.4	
CONC. SIDEWALK SY	–	13.2	16.0	–	12.0	14.2	–	12.0	14.4	
TYPE 1 AGGREGATE SY	–	28.9	34.0	–	33.0	38.6	–	38.9	45.8	
ADA LINEAR GRADING LF	–	42.0	42.0	–	49.0	49.0	–	55.0	55.0	
SODDING SY	–	11.1	11.2	–	12.5	12.5	–	14.5	14.9	



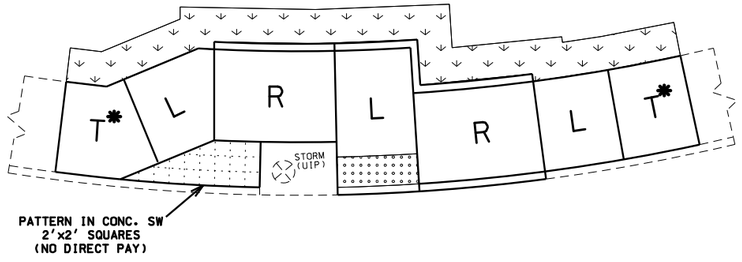
ISOMETRIC VIEW
TYPE 2-G



ISOMETRIC VIEW
TYPE 2-H



TYPE 2-G



TYPE 2-H

T* – IS STILL NEEDED EVEN IF THE EXISTING SIDEWALK IS THE SAME WIDTH AS THE NEW SIDEWALK.(IT WILL BLEND THE EXIST XSLOPE INTO THE NEW LANDING XSLOPE)

T – TRANSITION TO EXISTING SW

L – LANDING

R – RAMP

– SOD SLOPE 6:1 MIN.

– TRUNCATED DOME LOCATION, IF DIST. IS <5' OR > 5'

TRUNCATED DOMES ARE USED ONLY AT STREETS & ENTRANCES UTILIZING YIELD / STOP SIGNS OR SIGNALS

– CURB RAMP PAY LIMITS

– INCLUDED IN 4" CONC. SIDEWALK PAY LIMIT

NOTE:
QUANTITIES ARE CALCULATED BY AREA AND MAY NOT MATCH EXACT FIELD CONDITIONS.

REVISED: 2022-05-18

Jonathan W. Peitz, PE #2017019023
2024.08.09 13:36:50 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED: 8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	2

COUNTY: CHRISTIAN

JOB NO.: J8S0736F

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)

MoDOT

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

TYPE 2
PARALLEL
CURB RAMPS

TYPICAL SHEET
13 OF 17

DIAGONAL – TYPE 3

TYPE 3-A

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	–	24.0	28.0	–	20.6	25.0	–	20.6	25.0	
CURB RAMP SY	–	24.4	27.0	–	26.9	31.2	–	32.2	37.4	
CONC. SIDEWALK SY	–	11.2	12.8	–	9.8	11.4	–	9.8	11.4	
TYPE 1 AGGREGATE SY	–	35.6	39.8	–	36.7	42.6	–	42.0	48.8	
ADA LINEAR GRADING LF	–	51.0	51.0	–	59.0	59.0	–	67.0	67.0	
SODDING SY	–	11.6	11.4	–	12.9	12.9	–	14.9	14.9	
8"SW OR MED STRIP SY	–	3.0	2.2	–	3.0	2.2	–	3.0	2.2	

TYPE 3-B

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	–	24.0	28.0	–	20.6	25.0	–	20.6	25.0	
CURB RAMP SY	–	22.0	26.3	–	25.9	31.2	–	31.2	37.4	
CONC. SIDEWALK SY	–	11.2	12.8	–	9.8	11.4	–	9.8	11.4	
TYPE 1 AGGREGATE SY	–	33.2	39.1	–	35.7	42.6	–	41.0	48.8	
ADA LINEAR GRADING LF	–	51.0	51.0	–	59.0	59.0	–	67.0	67.0	
SODDING SY	–	15.2	15.3	–	17.1	17.5	–	20.1	20.5	
8"SW OR MED STRIP SY	–	1.5	1.5	–	1.5	1.5	–	1.5	1.5	

TYPE 3-C

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	–	20.0	24.0	–	20.0	24.0	–	20.0	24.0	
CURB RAMP SY	–	20.7	26.8	–	25.1	31.5	–	30.4	37.7	
CONC. SIDEWALK SY	–	11.2	12.8	–	9.8	11.4	–	9.8	11.4	
TYPE 1 AGGREGATE SY	–	31.9	39.6	–	34.9	42.9	–	40.2	49.1	
ADA LINEAR GRADING LF	–	51.0	51.0	–	58.0	58.0	–	67.0	67.0	
SODDING SY	–	18.8	19.3	–	21.3	22.1	–	25.3	26.1	
8"SW OR MED STRIP SY	–	1.0	1.6	–	1.0	1.6	–	1.0	1.6	

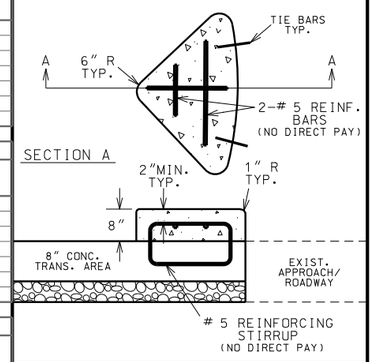
TYPE 3-D

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	–	24.0	28.0	–	22.4	26.5	–	22.4	26.5	
CURB RAMP SY	–	15.9	19.1	–	17.7	21.4	–	20.4	24.5	
CONC. SIDEWALK SY	–	5.6	6.4	–	4.9	5.7	–	4.9	5.7	
TYPE 1 AGGREGATE SY	–	21.5	25.5	–	22.6	27.1	–	25.3	30.2	
ADA LINEAR GRADING LF	–	31.0	31.0	–	34.0	34.0	–	38.0	38.0	
SODDING SY	–	12.6	12.9	–	13.5	14.0	–	15.5	16.0	
8"SW OR MED STRIP SY	–	1.0	0.8	–	1.0	0.8	–	1.0	0.8	

TYPE 3-E

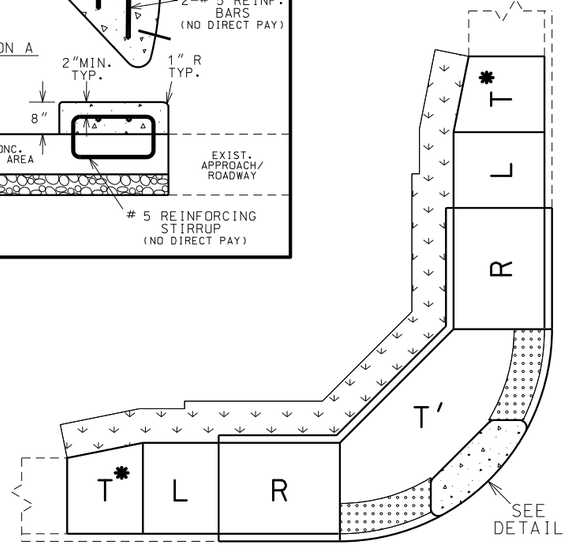
LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	–	20.0	24.0	–	20.0	24.0	–	20.0	24.0	
CURB RAMP SY	–	17.2	19.8	–	17.7	21.4	–	20.4	24.5	
CONC. SIDEWALK SY	–	8.4	10.7	–	7.3	9.4	–	7.3	9.4	
TYPE 1 AGGREGATE SY	–	25.6	30.5	–	25.0	30.8	–	27.7	33.9	
ADA LINEAR GRADING LF	–	30.0	30.0	–	35.5	35.5	–	39.5	39.5	
SODDING SY	–	12.4	12.4	–	12.9	13.3	–	14.9	15.3	
8"SW OR MED STRIP SY	–	1.6	1.6	–	1.6	1.6	–	1.6	1.6	

– DETAIL – 8" SIDEWALK OR 8" MEDIAN STRIP



T' – IS TO BE 8" THICK AT ALL PAVED APPROACHES AND STREETS IF WITHIN THE RADIUS. PAID FOR AS CONCRETE CURB RAMP

NOTE:
QUANTITIES ARE CALCULATED BY AREA AND MAY NOT MATCH EXACT FIELD CONDITIONS.



TYPE 3-A

T – TRANSITION TO EXISTING SW OR PAVED APPROACH (LANDING PREFERED IF CONDITIONS ALLOW)

T* – IS STILL NEEDED EVEN IF THE EXISTING SIDEWALK IS THE SAME WIDTH AS THE NEW SIDEWALK.(IT WILL BLEND THE EXIST XSLOPE WITH THE NEW LANDING XSLOPE)

L – LANDING

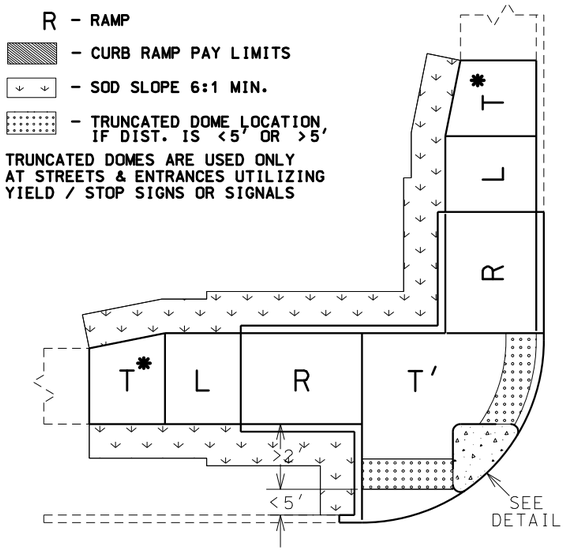
R – RAMP

– CURB RAMP PAY LIMITS

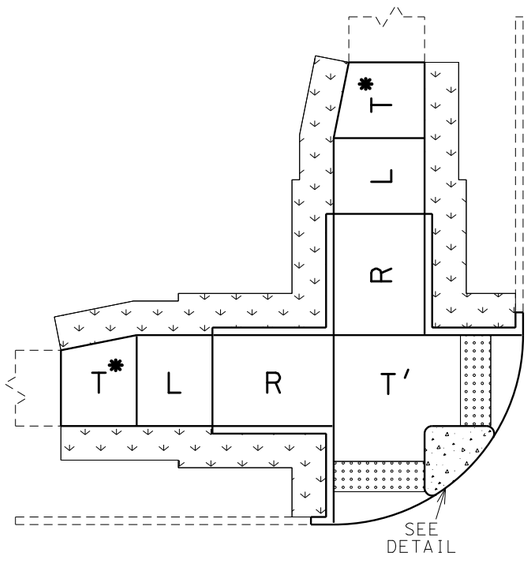
– SOD SLOPE 6:1 MIN.

– TRUNCATED DOME LOCATION, IF DIST. IS <5' OR >5'

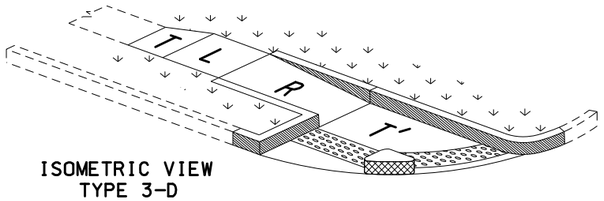
TRUNCATED DOMES ARE USED ONLY AT STREETS & ENTRANCES UTILIZING YIELD / STOP SIGNS OR SIGNALS



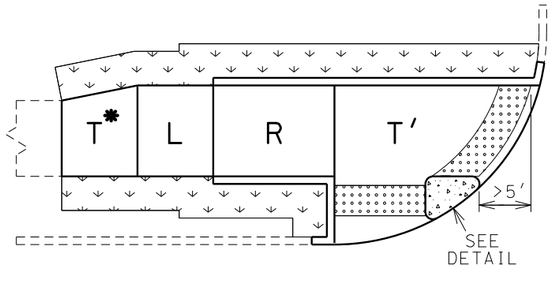
TYPE 3-B



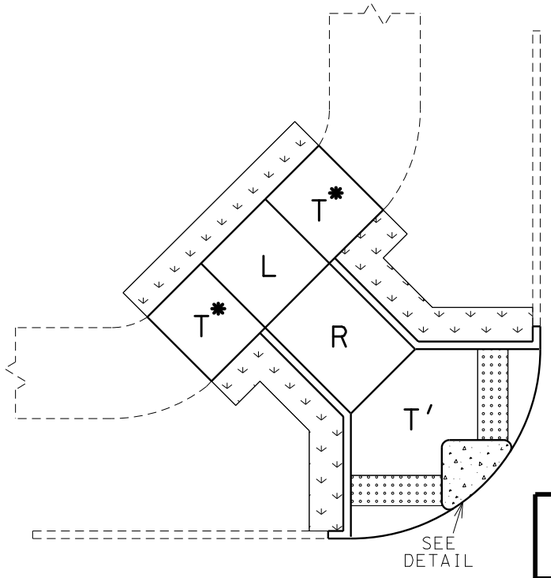
TYPE 3-C



ISOMETRIC VIEW TYPE 3-D



TYPE 3-D



TYPE 3-E

REVISED: 2022-05-18

Jonathan W. Peitz
2024.08.09 14:36:55 -05'00'
STATE OF MISSOURI
JONATHAN W. PEITZ NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED 8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	2

COUNTY: CHRISTIAN
JOB NO.: J8S0736F
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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF AUTHORITY NO. 001592

TYPE 3
DIAGONAL CURB RAMPS

TYPICAL SHEET 14 OF 17

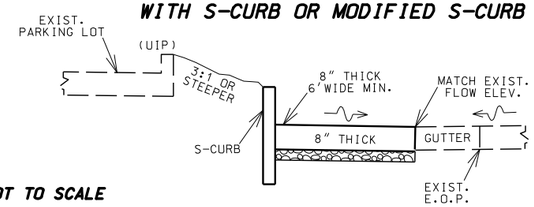
REVISED: 2022-05-16

NOTES FOR MODIFIED SIDEWALK:

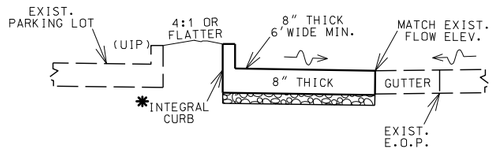
1. REMOVE EXIST. CURB & RAISED ISLAND WITHIN LIMITS SHOWN.
2. AREA INSIDE FINAL CURB TO BE REPAIRED OR REPLACED WITH EXISTING SURFACE MATERIAL. GRADE TO DRAIN.
3. CONSTRUCT 8" THICK CONC. SIDEWALK FLUSH WITH EXIST. CONC. PAVED APPROACH.
4. CONSTRUCT CURB ADJACENT TO MODIFIED SIDEWALK.
5. MODIFIED SIDEWALK PAID FOR AS 8" SIDEWALK.
6. 6' MINIMUM WIDTH.
7. NO DIRECT PAY FOR SAW CUTS AND TIE BARS (ON 12" CENTERS MAX.)
8. TRUNCATED DOMES ARE USED ONLY AT STREETS & ENTRANCES UTILIZING STOP SIGNS OR SIGNALS.
9. X-SLOPE 1% PREFERRED (2% MAX.)
10. USE S-CURB IF CONSTRUCTING CURB ON R/W LINE.

✱ INTEGRAL CURB IS PAID FOR WITH THE 8" CONC. SIDEWALK PAY ITEM.
INTEGRAL CURB IS PAID AS 1' ADDITIONAL SIDEWALK WIDTH (EX. 6'SIDEWALK PAID AS 7')
(0.11 SY/LF OF CURB)

SECTION A-A
WITH S-CURB OR MODIFIED S-CURB



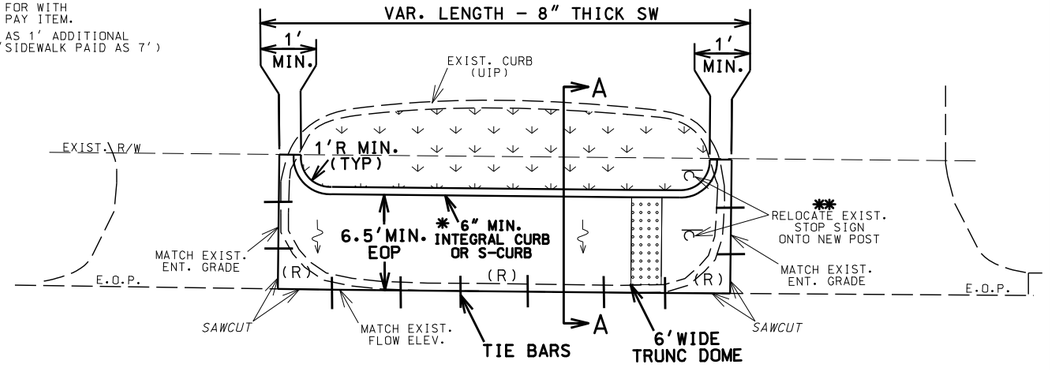
SECTION A-A
WITH INTEGRAL CURB



NOT TO SCALE

TYPICAL MODIFIED SIDEWALK
8" THICK

✱✱ TRUNCATED DOMES ARE USED ONLY AT STREETS & ENTRANCES UTILIZING STOP/YIELD SIGNS OR SIGNALS.

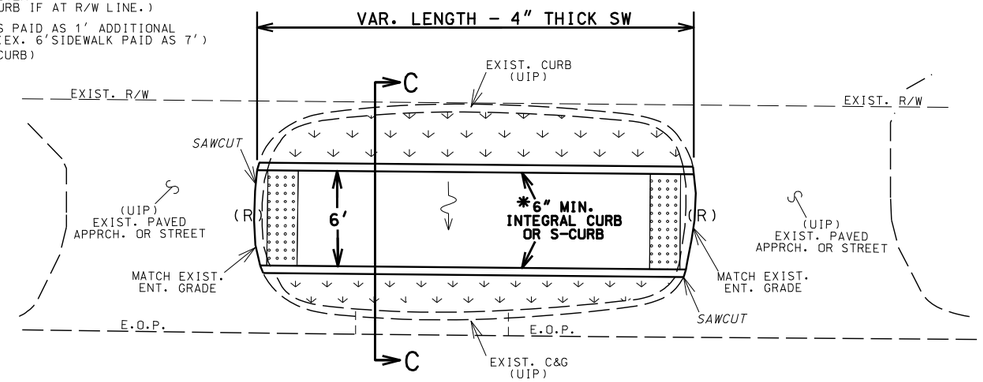


NOTES FOR CUT-THRU SIDEWALK:

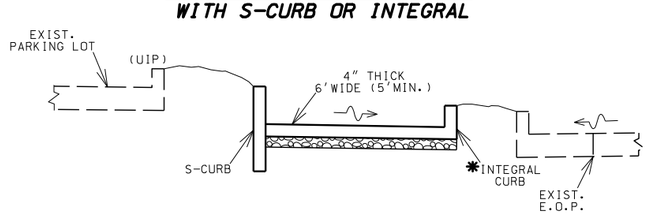
1. REMOVE EXIST. CURB & RAISED ISLAND WITHIN LIMITS SHOWN.
2. AREA INSIDE FINAL CURB TO BE REPAIRED OR REPLACED WITH EXISTING SURFACE MATERIAL. GRADE TO DRAIN.
3. CONSTRUCT 4" THICK CONC. SIDEWALK FLUSH WITH EXIST. CONC. PAVED APPROACH.
4. CONSTRUCT CURB ON BOTH SIDES ADJACENT TO SIDEWALK.
5. CUT-THRU SIDEWALK PAID FOR AS 4" SIDEWALK.
6. 6' PREFERRED WIDTH (5' MIN.)
7. SAW CUTS (NO DIRECT PAY).
8. TRUNCATED DOMES ARE USED ONLY AT STREETS & ENTRANCES UTILIZING STOP SIGNS OR SIGNALS.
9. X-SLOPE 1% PREFERRED (2% MAX.)
10. USE S-CURB IF CONSTRUCTING CURB ON R/W LINE.

✱ INTEGRAL CURB IS PAID FOR AS 4" CONC. SIDEWALK PAY ITEM. S-CURB IS PAID FOR AS ITS OWN PAY ITEM. (ALWAYS USE S-CURB IF AT R/W LINE.)
INTEGRAL CURB IS PAID AS 1' ADDITIONAL SIDEWALK WIDTH (EX. 6'SIDEWALK PAID AS 7')
(0.11 SY/LF OF CURB)

TYPICAL CUT-THRU SIDEWALK



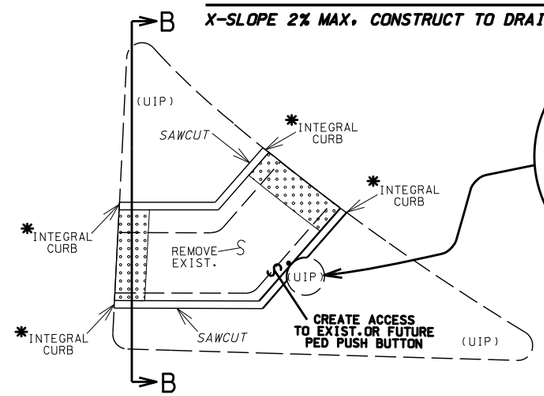
SECTION C-C
WITH S-CURB OR INTEGRAL

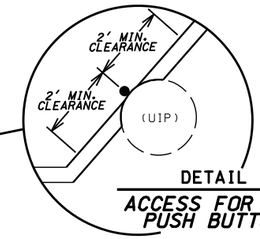


NOT TO SCALE

NOT TO SCALE

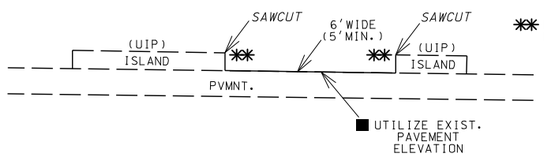
TYPICAL ISLAND CUT-THRU SIDEWALK
X-SLOPE 2% MAX. CONSTRUCT TO DRAIN





DETAIL
ACCESS FOR PED PUSH BUTTON

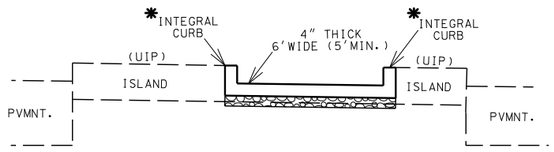
SECTION B-B
ISLAND CUT-THRU SIDEWALK FOR EXISTING 'PINNED-ON' ISLAND



■ SMALL QTY. HAS BEEN INCLUDED FOR 8" THICK SIDEWALK TO ADDRESS ANY UNFORSEEN PVMNT. REPAIRS OR DIFFERENCES IN ELEVATION. (UNDERRUN IF FIELD CONDITIONS DO NOT WARRANT)

✱✱ NO INTEGRAL CURB. AGGR. OR LIN. GRADING REQUIRED IF THE ISLAND IS 'PINNED-ON'

SECTION B-B
ISLAND CUT-THRU SIDEWALK



✱ INTEGRAL CURB IS PAID FOR WITH THE 4" CONC. SIDEWALK PAY ITEM.
INTEGRAL CURB IS PAID AS 1' ADDITIONAL SIDEWALK WIDTH (EX. 6'SIDEWALK PAID AS 7')
(0.11 SY/LF OF CURB)

ADA LIBRARY TYPICAL

MODIFIED SIDEWALK AND SIDEWALK CUT-THRUs

TYPICAL SHEET 15 OF 17

Jonathan W. Peitz — Notary Public — State of Missouri — Commissioned for Cole County — My Commission Expires: 2023-04-20 — Notary ID: 20534020

JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER
JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED: 8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	2

COUNTY: CHRISTIAN
JOB NO.: J8S0736F
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION	DATE

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

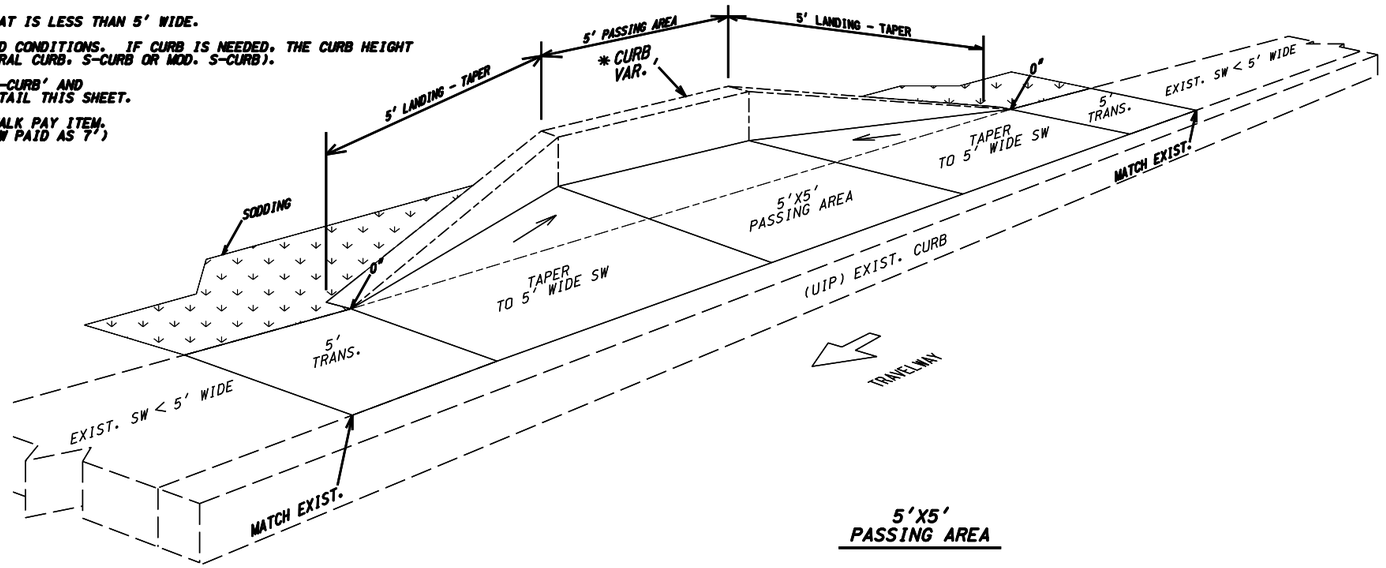
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF AUTHORITY NO. 001592

REVISED: 2024-01-18

NOTES:

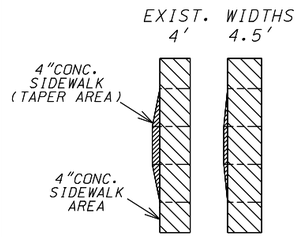
1. PASSING AREA REQUIRED EVERY 200' ON SIDEWALK THAT IS LESS THAN 5' WIDE.
2. * CURB MAY OR MAY NOT BE NEEDED DEPENDING ON FIELD CONDITIONS. IF CURB IS NEEDED, THE CURB HEIGHT WILL VARY DEPENDING ON FIELD CONDITIONS. (INTEGRAL CURB, S-CURB OR MOD. S-CURB).
3. S-CURB OVER 12" TALL IS PAID FOR AS 'MODIFIED S-CURB' AND REQUIRES REINFORCEMENT (NO DIRECT PAY). SEE DETAIL THIS SHEET.
4. ** INTEGRAL CURB IS PAID FOR IN THE 4" CONC. SIDEWALK PAY ITEM. PAID AS 1' ADDITIONAL SIDEWALK WIDTH. (EX. 6' SW PAID AS 7') (0.11 SY/LF OF CURB)



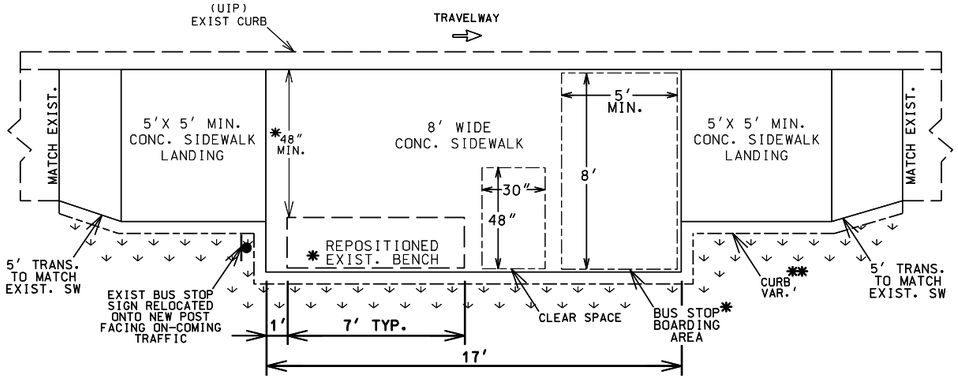
5'X5' PASSING AREA

NOT TO SCALE

QUANTITIES FOR PASSING AREAS			
EXISTING SW WIDTH		4'	4.5'
4" CONC. SIDEWALK (TAPER)	SY	1.3	0.7
TYPE 1 AGGREGATE	SY	1.3	0.7
4" CONC. SIDEWALK	SY	10.4	11.7
TYPE 1 AGGREGATE	SY	10.4	11.7
INTEGRAL CURB	** SY	2.0	2.0
TYPE 1 AGGREGATE	SY	1.0	1.0
S-CURB	LF	17.2	16.0
MODIFIED S-CURB	LF	17.2	16.0
SODDING	SY	53.0	53.0
LINEAR GRADING	LF	25.0	25.0



BUS STOP WITH BENCH



NOTES:

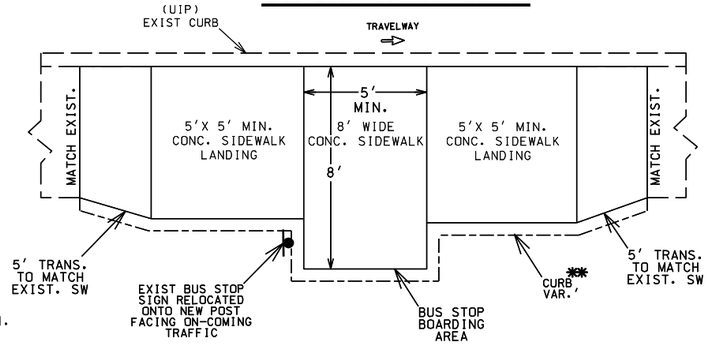
* 1. THE REPOSITIONED BENCH SHALL NOT BE PLACED ON THE 5'X8' BUS STOP BOARDING AREA. PLACE THE BACK OF THE BENCH AT THE BACK EDGE OF THE CONC. PAD TO PROVIDE MAX.CLEARANCE.

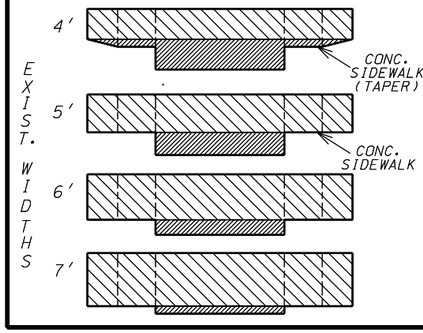
** 2. CURB USAGE DEPENDS ON FIELD CONDITIONS. IF CURB IS NEEDED DUE TO CUT, THE CURB HEIGHT WILL VARY DEPENDING ON FIELD CONDITIONS. (INTEGRAL CURB, S-CURB OR MOD. S-CURB).

3. S-CURB OVER 12" TALL IS PAID FOR AS 'MODIFIED S-CURB' AND REQUIRES REINFORCEMENT (NO DIRECT PAY). SEE DETAIL THIS SHEET.

*** 4. INTEGRAL CURB IS PAID FOR IN THE 4" CONC. SIDEWALK PAY ITEM. INTEGRAL CURB PAID AS 1' ADDITIONAL SIDEWALK WIDTH. (EX. 6'SW PAID AS 7') (0.11 SY/LF OF CURB)

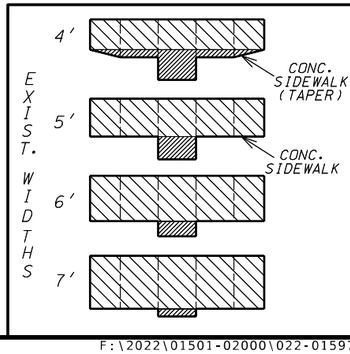
BUS STOP WITHOUT BENCH





QUANTITIES FOR BUS STOPS WITH BENCH					
EXISTING SW WIDTH		4'	5'	6'	7'
4" CONC. SIDEWALK (TAPER)	SY	9.3	5.8	3.9	1.9
TYPE 1 AGGREGATE	SY	9.3	5.8	3.9	1.9
4" CONC. SIDEWALK	SY	16.5	20.4	24.3	28.2
TYPE 1 AGGREGATE	SY	16.5	20.4	24.3	28.2
INTEGRAL CURB ***	SY	5.4	3.4	3.2	2.9
TYPE 1 AGGREGATE	SY	2.7	1.7	1.6	1.5
S-CURB	LF	43.5	27.0	25.0	23.0
MODIFIED S-CURB	LF	43.5	27.0	25.0	23.0
SODDING	SY	10.6	10.4	9.8	9.4
LINEAR GRADING	LF	37.0	37.0	37.0	37.0

NOT TO SCALE



QUANTITIES FOR BUS STOPS – NO BENCH					
EXISTING SW WIDTH		4'	5'	6'	7'
4" CONC. SIDEWALK (TAPER)	SY	3.9	1.8	1.3	0.7
TYPE 1 AGGREGATE	SY	3.9	1.8	1.3	0.7
4" CONC. SIDEWALK	SY	10.4	12.9	15.5	18.0
TYPE 1 AGGREGATE	SY	10.4	12.9	15.5	18.0
INTEGRAL CURB ***	SY	3.8	2.0	1.8	1.6
TYPE 1 AGGREGATE	SY	1.9	1.0	0.9	0.8
S-CURB	LF	31.0	15.0	13.0	11.0
MODIFIED S-CURB	LF	31.0	15.0	13.0	11.0
SODDING	SY	7.6	7.4	6.8	6.4
LINEAR GRADING	LF	25.0	25.0	25.0	25.0

ADA LIBRARY TYPICAL

PASSING AREAS AND BUS STOPS

TYPICAL SHEET 16 OF 17

Jonathan Peitz 2024.08.09 11:11:06 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED: 8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	2

COUNTY: CHRISTIAN

JOB NO.: J8S0736F

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.:

DESCRIPTION	DATE

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

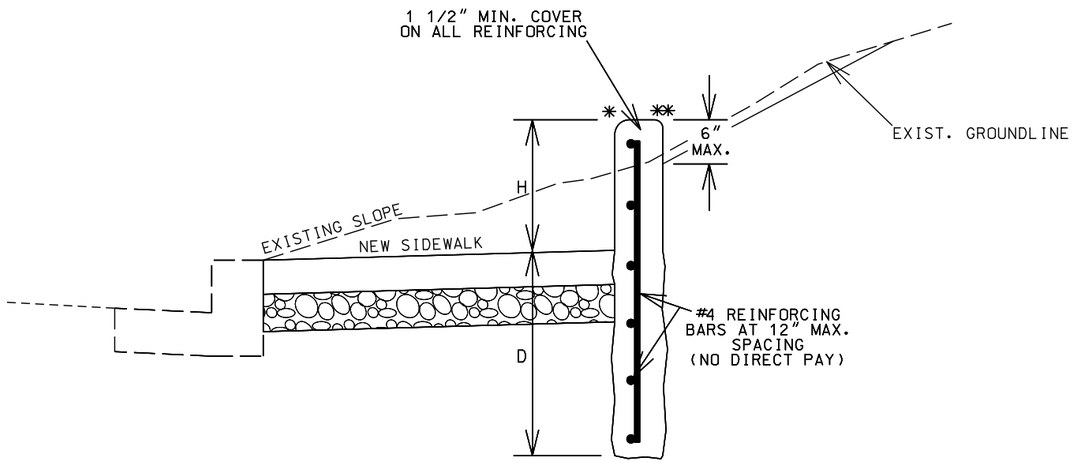
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

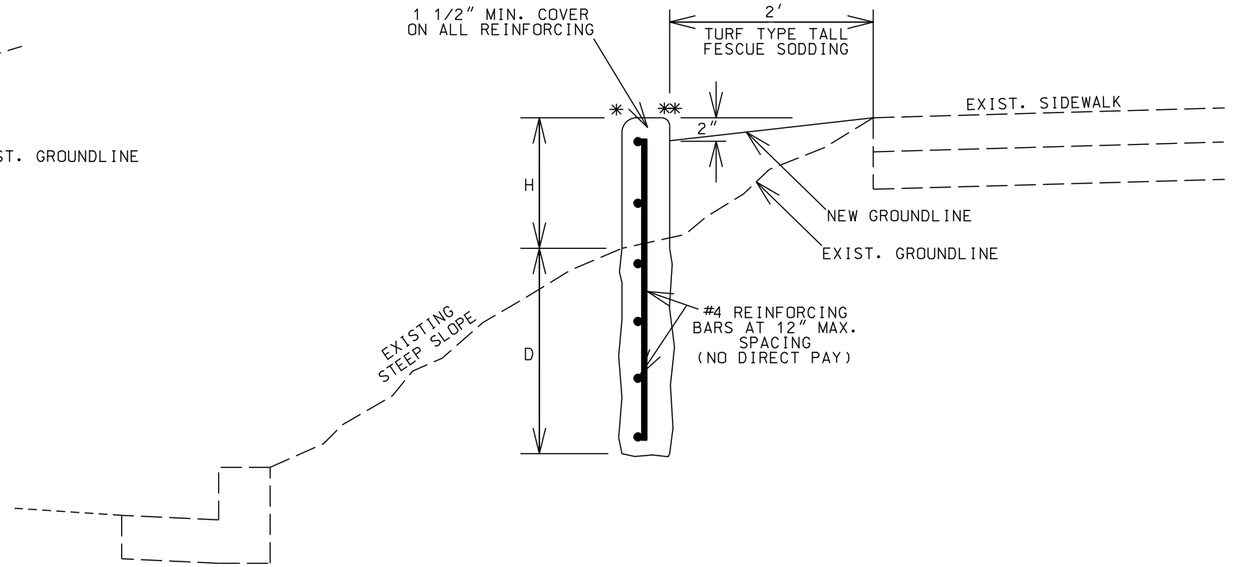
olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF AUTHORITY NO. 001592

CREATED: 2023-11-16
REVISED: 2024-02-13

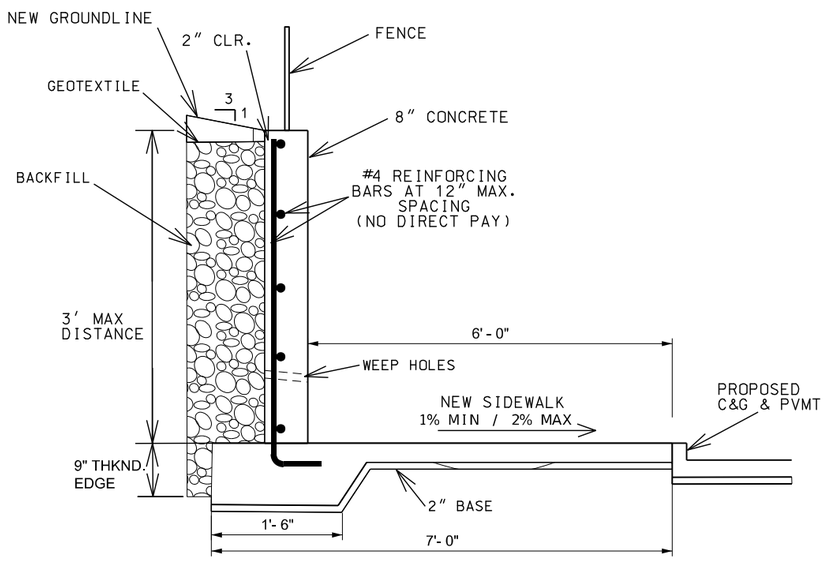
* ROUND TO 3/4" RADIUS
** ROUND TO 1/4" RADIUS
H = 2'-6" MAX. (30")
D = BURY DEPTH (FORMING NOT REQUIRED)
THIS SHALL BE 18 INCHES OR "H" WHICHEVER IS GREATER.
VERTICAL REINFORCING LENGTHS VARY AS NEEDED.
DEPTH MAY BE REDUCED IF KEYED 6" IN ROCK

MODIFIED S-CURB
> 12" TALL (2'-6" MAX.)





NOT TO SCALE



MODIFIED S-CURB
12" TALL (3'-0" MAX.)
POURED CONCRETE SIDEWALK WALL

NOT TO SCALE

Jonathan Peitz
2024.08.09 15:32:05 -05'00'
STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER
PE-2017019023
PROFESSIONAL ENGINEER
JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED: 8/9/2024
ROUTE: CC | STATE: MO
DISTRICT: SW | SHEET NO.: 2
COUNTY: CHRISTIAN
JOB NO.: J8S0736F
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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

MODIFIED S-CURB

TYPICAL SHEET
17 OF 17

REMOVAL OF IMPROVEMENTS

SHEET	STA.	STA.	LOCATION	DESCRIPTION
4	73+93.96		ROUTE CC NORTH	24' SAWCUT
4	74+02.52		ROUTE CC NORTH	18" X 42' CMP
4	74+18.24	74+42.33	ROUTE CC NORTH LT	22' SAWCUT
4	74+37.88	74+62.11	ROUTE CC NORTH RT	15" X 25' CMP
4	74+37.93	74+47.11	ROUTE CC NORTH LT	15.5' CURB
4	74+41.84	74+96.74	ROUTE CC NORTH LT	24" X 52.5' CMP
4	74+88.04	74+96.54	ROUTE CC NORTH LT	17' CURB
4	74+96.74	75+00.66	ROUTE CC NORTH LT	3' X 6' GRATE INLET
4	74+97.84		ROUTE CC NORTH LT	FENCE POST
4	75+25.12		ROUTE CC NORTH RT	TELEPHONE POLE
4	75+29.62	75+33.21	ROUTE CC NORTH RT	TUBULAR FENCE
4	75+30.33		ROUTE CC NORTH RT	GAS MARKER
4	75+31.93		ROUTE CC NORTH RT	GAS REGULATOR
4	75+37.50		ROUTE CC NORTH RT	TELEPHONE PEDESTAL
4	75+40.61		ROUTE CC NORTH LT	GAS MARKER
4	75+80.19		ROUTE CC NORTH LT	FIBER OPTIC MARKER
4	75+82.17		ROUTE CC NORTH LT	POWERLINE POLE
4	76+09.01		ROUTE CC NORTH LT	1 SIGN, 1 POST
4	76+31.89	76+55.50	ROUTE CC NORTH RT	15" X 25' CMP
4	77+20.73	77+77.44	ROUTE CC NORTH RT	52' SAWCUT
4	77+23.95	77+45.44	ROUTE CC NORTH LT	18" X 25' RCP
4	77+27.47	77+38.33	ROUTE CC NORTH RT	21' CURB
4	77+37.54	77+71.49	ROUTE CC NORTH RT	12" X 32' CMP
4	77+47.14		ROUTE CC NORTH LT	LIGHT POLE
4	77+47.29		ROUTE CC NORTH LT	3' X 7' CURB INLET
4	77+49.14	77+75.42	ROUTE CC NORTH LT	18" X 27' RCP
5	77+77.44	77+80.25	ROUTE CC NORTH RT	19' SAWCUT
5	77+79.01	77+94.77	ROUTE CC NORTH LT	18" X 18' RCP
5	77+80.15		ROUTE CC NORTH LT	1 SIGN, 1 POST
5	77+84.10		ROUTE CC NORTH LT	POWERLINE POLE
5	78+09.14	78+26.88	ROUTE CC NORTH LT	26' SAWCUT
5	79+14.78		ROUTE CC NORTH RT	1 SIGN, 1 POST
5	80+05.52		ROUTE CC NORTH RT	POWERLINE DOWN GUY WIRE
5	80+08.30		ROUTE CC NORTH RT	POWERLINE DOWN GUY WIRE
5	80+10.86		ROUTE CC NORTH RT	POWERLINE DOWN GUY WIRE
5	80+13.88		ROUTE CC NORTH RT	2 SIGN, 1 POST
5	80+14.70		ROUTE CC NORTH RT	2 SIGN, 1 POST
5	80+17.01		ROUTE CC NORTH RT	POWERLINE POLE
5	80+21.19		ROUTE CC NORTH RT	1 SIGN, 1 POST
5	80+23.96		ROUTE CC NORTH LT	POWERLINE DOWN GUY WIRE
5	80+24.06		ROUTE CC NORTH LT	POWERLINE DOWN GUY WIRE
5	80+24.15		ROUTE CC NORTH RT	POWERLINE DOWN GUY WIRE
5	80+24.18		ROUTE CC NORTH RT	POWERLINE DOWN GUY WIRE
5	80+24.29		ROUTE CC NORTH RT	POWERLINE POLE
5	80+24.30		ROUTE CC NORTH RT	POWERLINE DOWN GUY WIRE
5	80+27.20		ROUTE CC NORTH RT	POWERLINE DOWN GUY WIRE
5	80+28.21		ROUTE CC NORTH LT	GAS MARKER
5	80+57.98		ROUTE CC	FOUR WAY STOP LIGHT
5	0+53.93		ROUTE CC EAST LT	2 SIGN, 1 POST
5	0+54.19		ROUTE CC EAST LT	2 SIGN, 1 POST
5	0+72.86		ROUTE CC EAST LT	POWERLINE POLE
5	0+88.08	1+15.38	ROUTE CC EAST	24" X 38' RCP
5	0+91.10		ROUTE CC EAST LT	1 SIGN, 1 POST
5	1+12.55		ROUTE CC EAST RT	1 SIGN, 1 POST
5	0+00.48		MAIN ST RT	5 SIGN, 1 POST
5	0+19.39		MAIN ST RT	POWERLINE POLE
5	0+24.09		MAIN ST RT	POWERLINE DOWN GUY WIRE
5	0+34.47		MAIN ST RT	FIBER OPTIC IN-GROUND BOX
5	0+37.32		MAIN ST RT	FIBER OPTIC MAKRER
5	0+47.54		MAIN ST RT	GAS MARKER
5	0+48.64		MAIN ST LT	2 SIGN, 1 POST
5	0+79.50		MAIN ST LT	TELEPHONE PEDESTAL
7	1+76.99	2+40.34	MAIN ST LT	18" X 64' RCP
7	1+93.37	2+38.01	MAIN ST LT	103' SAWCUT
7	2+36.53		MAIN ST RT	1 SIGN, 1 POST
7	3+14.80		MAIN ST LT	LIGHT POLE
7	3+55.48		MAIN ST RT	POWERLINE POLE
8	2+04.83		CEDAR STREET	21' SAWCUT
8	3+40.39	3+73.61	CEDAR STREET LT	34.5' SAWCUT
8	4+71.68	5+03.26	CEDAR STREET LT	32' SAWCUT
*SEE NEXT TABLE FOR CONTINUATION				

*REMOVAL OF IMPROVEMENTS

SHEET	STA.	STA.	LOCATION	DESCRIPTION
10	1+72.64		ROUTE CC EAST LT	TELEPHONE PEDESTAL
10	1+96.66	2+42.42	ROUTE CC EAST RT	12" X 46' CMP
10	2+04.51	2+98.61	ROUTE CC EAST LT	15" X 94' RCP
10	2+41.50	2+74.43	ROUTE CC EAST LT	33' SAWCUT
10	2+43.34	2+47.62	ROUTE CC EAST RT	4.5' CONCRETE FOOTING
10	2+52.81	2+60.46	ROUTE CC EAST RT	8' CONCRETE FOOTING
10	2+60.65	2+60.92	ROUTE CC EAST RT	10' CONCRETE FOOTING
10	2+61.32	2+96.33	ROUTE CC EAST RT	40' CONCRETE FOOTNG
10	2+66.96	3+07.41	ROUTE CC EAST RT	BUILDING
10	2+76.52		ROUTE CC EAST LT	LIGHT POLE
10	3+24.32		ROUTE CC EAST LT	1 SIGN, 1 POST
10	3+90.59	4+10.22	ROUTE CC EAST RT	CONCRETE FLUME
10	3+96.99		ROUTE CC EAST RT	WATER VALVE
10	3+99.42	4+60.88	ROUTE CC EAST LT	15" X 62' CMP
10	3+99.49		ROUTE CC EAST RT	WATER VALVE
10	3+99.75		ROUTE CC EAST RT	FIRE HYDRANT
10	4+03.08		ROUTE CC EAST RT	LIGHT POLE
10	4+07.59		ROUTE CC EAST RT	WATER VALVE
10	4+09.10	4+10.79	ROUTE CC EAST RT	157' CURB
10	4+10.60	4+14.15	ROUTE CC EAST LT	81' CURB
10	4+11.06	4+12.63	ROUTE CC EAST RT	157' EDGE OF PAVEMENT
10	4+11.38	4+51.03	ROUTE CC EAST RT	40' SAWCUT
10	4+13.04	4+54.04	ROUTE CC EAST LT	41' SAWCUT
10	4+50.81	4+54.68	ROUTE CC EAST RT	169' EDGE OF PAVEMENT
10	4+53.31	4+55.53	ROUTE CC EAST RT	162' CURB
10	4+54.27	4+56.81	ROUTE CC EAST LT	28' CURB
10	4+54.81	4+60.68	ROUTE CC EAST RT	16' CURB
10	4+55.26	4+61.93	ROUTE CC EAST RT	CONCRETE FLUME
10	4+58.80		ROUTE CC EAST RT	1 SIGN, 1 POST
10	5+33.16		ROUTE CC EAST RT	1 SIGN, 1 POST
11	6+01.80	6+60.73	ROUTE CC EAST LT	15" X 60' CMP
11	6+06.37		ROUTE CC EAST RT	1 SIGN, 2 POST
11	6+08.30	6+49.30	ROUTE CC EAST LT	41' SAWCUT
11	6+51.91		ROUTE CC EAST RT	FIBER OPTIC MARKER
11	6+52.71		ROUTE CC EAST LT	POWERLINE POLE
11	6+54.63		ROUTE CC EAST RT	TELEPHONE PEDESTAL
11	6+64.72		ROUTE CC EAST LT	POWERLINE DOWN GUY WIRE
11	6+82.00		ROUTE CC EAST LT	POWERLINE DOWN GUY WIRE
11	6+96.46		ROUTE CC EAST LT	POWERLINE POLE
11	8+14.96	8+15.92	ROUTE CC EAST	24" X 34' CMP
1 LUMP SUM				

CONTRACTOR FURNISHED SURVEYING & STAKING

1 LUMP SUM

MOBILIZATION

1 LUMP SUM

ADDITIONAL MOBILIZATION FOR SEEDING

4 EACH

CLEARING & GRUBBING

1 ACRES

REMOVE AND RESET MAILBOX (NO DIRECT PAY)

SHEET NO.	STA.	LOCATION	REMOVE AND RESET MAILBOX (EA)
4	74+61.24	ROUTE CC NORTH RT	1
8	3+65.76	CEDAR STREET RT	1
		TOTALS	2

ADJUST MANHOLES

SHEET NO.	STA.	LOCATION	ADJUST MANHOLES (EA)
7	3+41.17	MAIN STREET RT	1
		TOTALS	1

LINEAR GRADING

SHEET NO.	STA.	STA.	LOCATION	LINEAR GRADING CLASS 2 (STA)
4	72+11.00	73+61.00	ROUTE CC NORTH LT	1.5
			TOTALS	1.5

EARTHWORK

SHEET NO.	XS SHEET NO.	STA.	STA.	LOCATION	UNCLASSIFIED EXCAVATION (CY)	EMBANKMENT IN PLACE (CY)	* COMPACTING EMBANKMENT (CY)	REMARKS
4 - 5	1 - 10	73+93.96	79+91.68	ROUTE CC NORTH	1372	1063	1098	
32	1 - 10	75+00.00	77+75.00	ROUTE CC NORTH LT	485	1373	388	DETENTION POND
5 , 7	11 - 16	0+90.00	3+75.00	MAIN STREET	578	1773	462	
8	17 - 22	2+04.83	5+29.69	CEDAR STREET	447		342	
10 - 11	23 - 35	1+39.34	9+81.66	ROUTE CC EAST	6152		349	
10	36 - 38	0+26.00	1+53.49	ROSEWOOD LANE	444		0	
8 , 10	39 - 45	0+00.00	4+39.82	CIRCULATORY ROADWAY	1221		553	
4	46 - 48	0+12.87	1+77.28	ENTRANCE CC NORTH 7469 LT	75		22	
4	49	0+11.53	0+59.04	ENTRANCE CC NORTH 7645 RT	66		0	
4 - 5	50 - 51	0+03.12	0+85.99	ENTRANCE CC NORTH 7754 RT	194	59	155	
5	52 - 54	0+16.50	1+37.82	ENTRANCE CC NORTH 7783 LT	62	235	50	
				TOTALS	11096	4503	3419	

* A SHRINK FACTOR OF 0.8 WAS APPLIED TO CLASS A EXCAVATION TO CALCULATE COMPACTING EMBANKMENT.

TRUCK APRON

SHEET	STA.	STA.	LOCATION	9 IN. TINTED CONCRETE TRUCK APRON (SY)	6" TYPE 5 AGGREGATE BASE (SY)
5	0+00.00	4+39.82	CIRCULATORY ROADWAY TRUCK APRON	439.8	440
			TOTALS	439.8	440

Jonathan W. Peitz
2024.08.09 09:24:05 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	3

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

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)

MoDOT

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

OPTIONAL PAVEMENT

SHEET NO.	STA.	STA.	LOCATION	OPTIONAL PAVEMENT (SY)	6" TYPE 5 AGGREGATE BASE (SY)
4	73+93.96	76+63.87	ROUTE CC NORTH	907.8	908
7	3+18.09	3+75.00	MAIN STREET	278.2	278
8	2+04.83	4+08.57	CEDAR STREET	603.6	604
10 & 11	4+74.38	9+81.66	ROUTE CC EAST	2388.3	2388
10	0+26.00	1+53.49	ROSEWOOD LANE	591.7	592
			TOTALS	4769.6	4770

CONCRETE PAVEMENT

SHEET NO.	STA.	STA.	LOCATION	9" CONC. PAVEMENT (SY)	6" TYPE 5 AGGREGATE BASE (SY)
4 & 5	76+63.87	79+91.68	ROUTE CC NORTH	1466.1	1466
5	0+00.00	4+39.82	CIRCULATORY ROADWAY	1448.2	1448
5 & 7	0+90.00	3+18.09	MAIN STREET	1085.4	1085
8	4+08.57	5+29.69	CEDAR STREET	608.4	608
5 & 9	1+39.34	4+74.38	ROUTE CC EAST	2160.0	2160
			TOTALS	6768.1	6767

CONCRETE MEDIAN

SHEET NO.	STA.	STA.	LOCATION	8" CONC. MEDIAN STRIP (SY)
4 & 5	76+75.48	79+61.07	ROUTE CC NORTH	186.2
5	79+71.94	79+89.73	ROTUE CC NORTH	70.4
5	0+92.12	1+09.91	MAIN STREET	60.5
5 & 7	1+20.54	2+19.43	MAIN STREET	99.2
8	4+22.25	4+99.16	CEDAR STREET	58.7
8	5+09.80	5+27.57	CEDAR STREET	55.6
10	1+27.05	1+76.78	ROUTE CC EAST	65.0
10	1+41.09	1+58.68	ROUTE CC EAST	51.0
10	1+69.63	2+67.04	ROUTE CC EAST	66.0
10	1+86.21	2+00.79	ROUTE CC EAST	11.3
			TOTALS	723.9

PAVED DITCH

SHEET NO.	STA.	LOCATION	VERTICAL HEIGHT (FT.)	DITCH WIDTH (FT.)	FORESLOPE 3 : 1	BACKSLOPE 3 : 1	PAVED DITCH (SY)
4	73+94.10	ROUTE CC NORTH LT	1	4-10	VARIES	VARIES	64.9
						TOTALS	64.9
SEE STANDARD PLAN 609.15 FOR DETAILS							

CONCRETE CURB & GUTTER

SHEET NO.	STA.	LOCATION	STA.	LOCATION	TYPE B C&G (LF)	TYPE S CURB (LF)	MOD TYPE S CURB (LF)	3 FT ROLL BACK C&G (LF)	2 FT CONC. C&G (LF)	NIXA 2.5 FT CONC. C&G (LF)	TYPE A CURB (LF)	TYPE A GUTTER (LF)	PIPE AGGREGATE PAVEMENT EDGE DRAIN (LF)	6 IN. TYPE 5 AGG. BASE (SY)
4	73+95.72	ROUTE CC NORTH LT	74+10.33	ROUTE CC NORTH LT								15		10
4	74+10.33	ROUTE CC NORTH LT	74+49.02	ROUTE CC NORTH LT	77									39
4	74+81.51	ROUTE CC NORTH LT	75+24.09	ROUTE CC NORTH LT	60									30
4	75+24.09	ROUTE CC NORTH LT	77+25.51	ROUTE CC NORTH LT	200									100
4	76+68.79	ROUTE CC NORTH RT	76+81.59	ROUTE CC NORTH RT								20		13
4	76+80.44	ROUTE CC NORTH LT	76+82.82	ROUTE CC NORTH RT		7								
4	76+83.58	ROUTE CC NORTH LT	77+20.73	ROUTE CC NORTH RT		112								
5	77+71.83	ROUTE CC NORTH LT	78+09.14	ROUTE CC NORTH LT					87					34
5	78+06.72	ROUTE CC NORTH LT	78+26.88	ROUTE CC NORTH LT					37					14
5	78+23.29	ROUTE CC NORTH RT	79+51.03	ROUTE CC NORTH RT	127									64
5	78+49.55	ROUTE CC NORTH LT	79+44.39	ROUTE CC NORTH LT	98									49
5	79+61.65	ROUTE CC NORTH RT	4+98.60	CEDAR STREET LT	114									57
5	79+54.23	ROUTE CC NORTH LT	1+90.73	ROUTE CC EAST LT	132									66
5	0+00.00	CIRCULATORY ROADWAY	4+39.82	CIRCULATORY ROADWAY				430						215
5	0+00.00	CIRCULATORY ROADWAY	4+39.82	CIRCULATORY ROADWAY							361			80
5	2+96.79	CIRCULATORY ROADWAY	3+93.79	CIRCULATORY ROADWAY									90	
5	1+19.97	MAIN STREET LT	1+68.04	ROUTE CC EAST RT	143									72
5	1+21.17	MAIN STREET RT	5+00.36	CEDAR STREET RT	133									67
5 & 7	1+30.58	MAIN STREET LT	3+18.09	MAIN STREET LT	185									93
5 & 7	1+31.55	MAIN STREET RT	3+18.09	MAIN STREET RT	191									96
7	1+93.37	MAIN STREET LT	2+38.01	MAIN STREET LT						101				45
7	2+35.00	MAIN STREET LT	3+40.00	MAIN STREET LT			101							
7	3+18.09	MAIN STREET LT	3+75.00	MAIN STREET LT					56					22
7	3+18.09	MAIN STREET RT	3+75.00	MAIN STREET RT					58					23
8	3+73.51	CEDAR STREET LT	5+13.93	CEDAR STREET LT			151							
8	3+88.53	CEDAR STREET LT	4+88.27	CEDAR STREET LT	102									51
8	4+08.57	CEDAR STREET RT	4+89.75	CEDAR STREET RT	81									41
5 & 10	1+78.53	ROUTE CC EAST RT	0+47.07	ROSEWOOD LANE RT	242									121
5 & 10	2+00.24	ROUTE CC EAST LT	3+88.04	ROUTE CC EAST LT	190									95
10	2+39.53	ROUTE CC EAST LT	2+74.40	ROUTE CC EAST LT					39					15
10	4+74.38	ROUTE CC EAST RT	0+47.07	ROSEWOOD LANE LT	32									16
10	4+79.04	ROUTE CC EAST LT	5+83.30	ROUTE CC EAST LT	104									52
10	0+42.70	ROSEWOOD LANE RT	0+48.40	ROSEWOOD LANE RT								12		8
10	0+42.70	ROSEWOOD LANE LT	0+48.40	ROSEWOOD LANE LT								12		8
10	0+52.07	ROSEWOOD LANE RT	1+53.48	ROSEWOOD LANE RT						103				46
10	0+52.07	ROSEWOOD LANE LT	1+53.48	ROSEWOOD LANE LT						103				46
				TOTALS	2211	119	252	430	277	307	361	59	90	1688

Jonathan Peitz
2024.08.09 09:57:37 -05'00'
STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER
JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	3

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

SEEDING AND MULCH

SHEET NO.	STA.	LOCATION	STA.	LOCATION	COOL SEASON GRASS SEEDING (AC)	TEMP. SEED (AC)	MULCHING (AC)	TURF TYPE TALL FESCUE SODDING (SY)
4	74+42.33	ROUTE CC NORTH LT	78+09.14	ROUTE CC NORTH LT	1.1	0.3	1.4	
4	74+57.42	ROUTE CC NORTH RT	76+36.09	ROUTE CC NORTH RT	0.1	0	0.1	
4	76+52.95	ROUTE CC NORTH RT	77+35.10	ROUTE CC NORTH RT	0.1	0	0.1	
5	0+00.00	CIRCULATORY ROADWAY	4+39.82	CIRCULATORY ROADWAY				1154
5,8	77+69.84	ROUTE CC NORTH RT	80+28.70	ROUTE CC NORTH RT	0.3	0.1	0.4	
5,8	77+97.44	ROUTE CC NORTH RT	79+51.03	ROUTE CC NORTH RT				82
5,10	78+02.38	ROUTE CC NORTH LT	80+52.10	ROUTE CC NORTH LT	0.3	0.1	0.4	
5, 10	78+40.14	ROUTE CC NORTH LT	79+44.39	ROUTE CC NORTH LT				65
5, 10	79+54.23	ROUTE CC NORTH LT	80+36.96	ROUTE CC NORTH LT				71
5, 8	79+60.20	ROUTE CC NORTH RT	80+24.87	ROUTE CC NORTH RT				61
5,7	0+16.47	MAIN STREET RT	3+75.00	MAIN STREET RT	0.3	0.1	0.4	
5, 7	0+19.18	MAIN STREET LT	1+20.47	MAIN STREET LT				60
5, 7	0+22.81	MAIN STREET RT	1+22.77	MAIN STREET RT				72
7	1+30.58	MAIN STREET LT	3+75.00	MAIN STREET LT				62
7	1+31.55	MAIN STREET RT	3+75.00	MAIN STREET RT				128
8	2+04.83	CEDAR STREET RT	4+56.69	CEDAR STREET RT	0.1	0.0	0.1	
5,7,10	4+09.38	ROUTE CC EAST RT	3+75.00	MAIN STREET LT	0.2	0.1	0.3	
10,11	4+53.53	ROUTE CC EAST RT	9+81.66	ROUTE CC EAST RT	0.4	0.1	0.5	
11	6+49.30	ROUTE CC EAST LT	9+81.66	ROUTE CC EAST LT	0.2	0.1	0.3	
				TOTALS	3.1	0.9	4.0	1755

ROCK LINING

SHEET	STA.	STA.	LOCATION	LENGTH (FT)	WIDTH (FT)	DEPTH (FT)	ROCK LINING (CY)
4	73+81.51	73+94.60	ROUTE CC NORTH LT	*	*	1	4
4	74+13.50	74+32.06	ROUTE CC NORTH LT	12	*	1	6
4	74+72.41	75+19.88	ROUTE CC NORTH LT	*	*	2	59
4	76+20.37	76+31.84	ROUTE CC NORTH RT	12	4	1	2
4	76+28.36	76+30.23	ROUTE CC NORTH LT	12	4	1	2
4	76+59.71	76+67.03	ROUTE CC NORTH RT	*	*	1	5
4	77+00.84	77+13.39	ROUTE CC NORTH RT	12	4	1	3
4	77+09.82	77+24.07	ROUTE CC NORTH LT	13	16	2	15
4	77+48.67	77+59.05	ROUTE CC NORTH LT	12	4	1	2
5	78+27.97	78+28.01	ROUTE CC NORTH RT	12	4	1	2
8	2+43.24	2+43.56	CEDAR STREET RT	12	4	1	2
8	3+24.06	3+36.46	CEDAR STREET RT	*	*	1	5
10	3+82.11	3+94.40	ROUTE CC EAST RT	12	4	1	2
10	4+68.37	4+80.66	ROUTE CC EAST RT	12	4	1	2
11	6+71.48	6+83.24	ROUTE CC EAST LT	12	4	1	2
11	7+98.51	8+18.32	ROUTE CC EAST LT	14	20	2	28
						TOTALS	141

* VARIES, SEE PLAN SHEETS.

ENTRANCES

SHEET NO.	STA.	LOCATION	TYPE	WIDTH (FT.)	RADIUS (FT.)	7" PAVED APPROACH (SY)	8" PAVED APPROACH (SY)	2" PMBP (BP-1) (TON)	4" PMBP (BASE) (TON)	TACK COAT (GAL)	4" TYPE 5 AGGREGATE (SY)	6" TYPE 5 AGGREGATE (SY)
4	74+49.68	ROUTE CC NORTH RT	I	16.0	10	61.4					61.4	
4	74+69.00	ROUTE CC NORTH LT	III	31.0	40			54.7	109.1	51		506
4	76+45.00	ROUTE CC NORTH RT	I	18.0	10	106.2					106.2	
4	77+54.00	ROUTE CC NORTH RT	III	31.0	50		495.3				495.3	
5	77+83.00	ROUTE CC NORTH LT	III	26.0	50		502.4				502.4	
8	3+07.00	CEDAR STREET LT	III	24.0	20,10		111.9				111.9	
8	3+57.00	CEDAR STREET LT	III	34.5	10,15		105.2				105.2	
8	3+90.00	CEDAR STREET RT	I	16.0	10	227.1					227.1	
10	4+33.54	ROUTE CC EAST LT	III	41.0	25		205.9				205.9	
11	6+28.80	ROUTE CC EAST LT	III	41.0	25		205.9				205.9	
					TOTALS	394.7	1626.6	54.7	109.1	51	2021.3	506

COMPACTING IN CUT

SHEET NO.	STA.	STA.	LOCATION	COMPACTING IN CUT (STA)
4 - 5	73+93.96	79+91.68	ROUTE CC NORTH	6.0
5 7	0+90.00	3+75.00	MAIN STREET	2.9
8	2+04.85	5+29.69	CEDAR STREET	3.2
10 - 11	1+39.34	9+81.66	ROUTE CC EAST	8.4
10	0+26.00	1+53.49	ROSEWOOD LANE	1.3
8 , 10	0+00.00	4+39.82	CIRCULATORY ROADWAY	4.4
4	0+12.87	1+77.28	ENTRANCE CC NORTH 7469 LT	1.6
4	0+11.53	0+59.04	ENTRANCE CC NORTH 7645 RT	0.5
4 - 5	0+03.12	0+85.99	ENTRANCE CC NORTH 7754 RT	0.8
5	0+16.50	1+37.82	ENTRANCE CC NORTH 7783 LT	1.2
			TOTALS	30.3

TRUNCATED DOMES, CURB RAMP, SIDEWALK, TYPE 1 AGGREGATE

SHEET NO.	STA.	STA.	LOCATION	TRUNC. DOMES (SF)	CURB RAMP TYPE	CURB RAMP LENGTH (LF)	CURB RAMP WIDTH (LF)	CURB RAMP RAMPS (SY)	CURB RAMP INTEGRAL CURB (LF)	SIDEWALK WIDTH (LF)	SIDEWALK 4" THICK (SY)	4" TYPE 1 AGGREGATE (SY)
5	77+88.51	78+08.91	ROUTE CC NORTH RT		1-C	19.7	6	10.5	31			11
5	78+08.91	79+42.26	ROUTE CC NORTH RT							5	73.09	73
5	78+18.01	78+34.86	ROUTE CC NORTH LT		1-C	17.4	6	9.0	26			9
5	78+34.86	79+34.86	ROUTE CC NORTH LT							5	57.44	57
5	79+34.86	79+60.67	ROUTE CC NORTH LT	20.0	2-D	29	10.5	25.0	56			25
5	79+42.26	79+70.14	ROUTE CC NORTH RT	20.0	2-D	29	10.5	25.1	57			25
5	79+56.44	79+67.21	ROUTE CC NORTH LT	20.4								
5	79+57.78	79+68.48	ROUTE CC NORTH RT	20.3								
5	79+60.67	80+26.70	ROUTE CC NORTH LT							5	60.26	60
5	79+70.14	80+15.49	ROUTE CC NORTH RT							5	47.2	47
5	80+15.49	80+21.48	ROUTE CC NORTH RT	20.0	2-B	20	10.5	19.3	45			19
5	80+26.70	80+37.94	ROUTE CC NORTH LT	20.0	2-B	18.5	10	17.8	41			18
5	80+48.15	80+49.11	ROUTE CC NORTH RT	20.1								
5	80+58.01	80+62.70	ROUTE CC NORTH LT	20.0								
5	80+65.74	80+68.62	ROUTE CC NORTH LT	20.5								
5	80+86.29	80+88.93	ROUTE CC NORTH LT	20.7								
5	80+99.59	80+97.21	ROUTE CC NORTH LT	20.1								
5	0+01.90	0+00.14	MAIN STREET RT	20.3								
5	0+18.64	0+30.09	MAIN STREET LT	20.0	2-B	20	10.5	18.6	43			19
5	0+24.64	0+33.70	MAIN STREET RT	20.0	2-B	20	10.5	19.4	46			19
5	0+30.09	1+10.15	MAIN STREET LT							5	65.37	65
5	0+33.70	1+17.72	MAIN STREET RT							5	61.23	61
5	1+10.15	1+41.16	MAIN STREET LT	20.0	2-D	29	7.5	23.6	57			24
5	1+13.29	1+23.27	MAIN STREET LT	20.4								
5	1+13.29	1+22.95	MAIN STREET RT	20.1								
5	1+17.72	1+43.31	MAIN STREET RT	20.0	2-D	27	10.5	23.6	52			24
5,7	1+41.16	3+75.00	MAIN STREET LT							5	127.55	128
5,7	1+43.31	3+75.00	MAIN STREET RT							5	131.88	132
			TOTALS	363.0				191.9			624.0	816

PERMANENT AGGREGATE EDGE TREATMENT

SHEET NO.	STA.	STA.	LOCATION	QUANTITY (TON)	PRIME LIQUID ASPHALT MC 800 (GAL)
4	73+93.96	74+10.33	ROUTE CC NORTH LT	3.6	2
4	73+93.96	74+32.09	ROUTE CC NORTH RT	8.4	5
4	74+67.57	76+26.49	ROUTE CC NORTH RT	35.4	23
4	76+63.87	76+82.36	ROUTE CC NORTH RT	4.1	3
8	2+04.83	2+76.05	CEDAR ST LT	15.8	10
8	2+04.83	3+72.25	CEDAR ST RT	36.3	24
10	4+74.38	9+81.66	ROUTE CC EAST RT	111.3	73
11	6+74.30	9+81.66	ROUTE CC EAST LT	67.7	44
			TOTALS	282.6	184

FENCING

SHEET NO.	STA.	STA.	LOCATION	CONSTRUCTION FENCING (LF)
7	1+91.49	2+39.35	MAIN STREET LT.	110
			TOTALS	110

QUANTITIES
SHEET 3 OF 9

Jonathan W. Peitz, P.E. - Missouri
2024.08.09 14:26:50 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	3

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

EROSION CONTROL

SHEET NO.	STA.	LOCATION	STA.	LOCATION	PHASE	ALTERNATE DITCH CHECK (FT)	CURB INLET CHECK (EACH)	SEDIMENT TRAP EXCAVATION (CY)	SEDIMENT TRAP ROCK (CY)	SILT FENCE (FT)	TURF REINFORCEMENT MAT TYPE 3 (SY)	EROSION CONTROL BLANKET TYPE 3B (SY)	SED. REM. (CY)
45	72+17.00	ROUTE CC NORTH LT			INITIAL			5.0	5.0				1
45	75+28.24	ROUTE CC NORTH LT			INITIAL			5.0	5.0				1
47	2+22.33	MAIN STREET RT			INITIAL			5.0	5.0				1
48	2+43.46	CEDAR STREET RT			INITIAL			5.0	5.0				1
48	3+32.52	CEDAR STREET RT			INITIAL			5.0	5.0				1
50	8+07.56	ROUTE CC EAST LT			INITIAL			5.0	5.0				1
51	72+49.43	ROUTE CC NORTH LT	73+60.43	ROUTE CC NORTH LT	CONSTRUCTION	56							4
51	73+85.48	ROUTE CC NORTH LT			CONSTRUCTION	14							1
51	73+93.30	ROUTE CC NORTH LT	74+16.95	ROUTE CC NORTH LT	CONSTRUCTION					150			2
51	74+06.63	ROUTE CC NORTH LT	74+37.14	ROUTE CC NORTH LT	CONSTRUCTION	42							3
51	74+16.91	ROUTE CC NORTH RT			CONSTRUCTION	14							1
51	74+43.06	ROUTE CC NORTH LT	76+18.92	ROUTE CC NORTH LT	CONSTRUCTION					304			4
51	74+67.21	ROUTE CC NORTH RT	76+26.15	ROUTE CC NORTH RT	CONSTRUCTION	70							5
51	76+64.31	ROUTE CC NORTH RT	77+09.61	ROUTE CC NORTH RT	CONSTRUCTION	42							3
52	77+93.94	ROUTE CC NORTH LT			CONSTRUCTION		1						1
52	77+95.68	ROUTE CC NORTH RT	79+33.21	ROUTE CC NORTH RT	CONSTRUCTION	56							4
52	78+10.91	ROUTE CC NORTH LT			CONSTRUCTION		1						1
52	78+27.97	ROUTE CC NORTH RT			CONSTRUCTION		1						1
52	78+33.64	ROUTE CC NORTH LT	78+92.02	ROUTE CC LT	CONSTRUCTION	70							5
52	78+55.87	ROUTE CC NORTH LT			CONSTRUCTION		1						1
52	79+09.49	ROUTE CC NORTH LT			CONSTRUCTION		1						1
52	79+18.35	ROUTE CC NORTH RT			CONSTRUCTION		1						1
52	79+59.72	ROUTE CC NORTH LT			CONSTRUCTION		1						1
52	79+67.87	ROUTE CC NORTH RT			CONSTRUCTION		1						1
52	79+82.46	ROUTE CC NORTH LT			CONSTRUCTION		1						1
52	80+04.07	ROUTE CC NORTH RT			CONSTRUCTION		1						1
52	80+22.69	ROUTE CC NORTH RT			CONSTRUCTION		1						1
52	80+36.66	ROUTE CC NORTH RT			CONSTRUCTION	14							1
52	0+42.69	MAIN STREET RT	0+99.75	MAIN STREET RT	CONSTRUCTION					100			1
52	0+92.83	MAIN STREET LT			CONSTRUCTION	14							1
52	0+77.42	MAIN STREET RT			CONSTRUCTION		1						1
52	1+01.94	MAIN STREET RT	1+36.87	MAIN STREET RT	CONSTRUCTION	28							2
52	1+13.07	MAIN STREET LT			CONSTRUCTION		1						1
52	1+17.02	MAIN STREET RT			CONSTRUCTION		1						1
52	1+38.65	MAIN STREET RT			CONSTRUCTION		1						1
52	1+48.79	MAIN STREET LT			CONSTRUCTION		1						1
52	1+70.72	MAIN STREET LT			CONSTRUCTION		1						1
52	4+62.08	CEDAR STREET LT			CONSTRUCTION	14							1
52	4+68.89	CEDAR STREET RT	4+90.47	CEDAR STREET RT	CONSTRUCTION	42							3
52	5+04.87	CEDAR STREET LT			CONSTRUCTION		1						1
52	5+06.44	CEAR STREET RT			CONSTRUCTION		1						1
52	1+55.72	ROUTE CC EAST RT	2+10.50	ROUTE CC EAST RT	CONSTRUCTION	42							3
52	1+63.20	ROUTE CC EAST RT			CONSTRUCTION		1						1
52	1+87.58	ROUTE CC EAST LT			CONSTRUCTION		1						1
52	2+12.94	ROUTE CC EAST RT			CONSTRUCTION		1						1
52	2+14.81	ROUTE CC EAST LT			CONSTRUCTION		1						1
52	2+30.09	ROUTE CC EAST RT			CONSTRUCTION		1						1
52	2+31.07	ROUTE CC EAST RT			CONSTRUCTION		1						1
52	2+32.38	ROUTE CC EAST LT			CONSTRUCTION		1						1
53	1+86.26	MAIN STREET RT			CONSTRUCTION	14							1
53	2+29.21	MAIN STREET RT	2+71.68	MAIN STREET RT	CONSTRUCTION					56			1
53	2+59.30	MAIN STREET RT	2+97.95	MAIN STREET RT	CONSTRUCTION					51			1
53	2+82.51	MAIN STREET RT	3+75.00	MAIN STREET RT	CONSTRUCTION					99			1
53	2+89.10	MAIN STREET RT	3+18.79	MAIN STREET RT	CONSTRUCTION					43			1
53	3+18.77	MAIN STREET RT	3+84.08	MAIN STREET RT	CONSTRUCTION					77			1
53	3+76.83	MAIN STREET RT	4+13.62	MAIN STREET RT	CONSTRUCTION					58			1
53	3+78.06	MAIN STREET RT	4+04.22	MAIN STREET RT	CONSTRUCTION					45			1
53	3+79.85	MAIN STREET RT	3+97.51	MAIN STREET RT	CONSTRUCTION					43			1
54	2+04.81	CEDAR STREET RT	2+37.06	CEDAR STREET RT	CONSTRUCTION					35			1
54	2+17.56	CEDAR STREET LT	2+42.09	CEDAR STREET LT	CONSTRUCTION	42							3
54	2+47.85	CEDAR STREET RT	3+22.80	CEDAR STREET RT	CONSTRUCTION					73			1
54	2+59.24	CEDAR STREET LT			CONSTRUCTION	14							1
54	3+39.85	CEDAR STREET RT	3+72.24	CEDAR STREET RT	CONSTRUCTION	70							5
54	3+82.41	CEDAR STREET RT	4+44.33	CEDAR STREET RT	CONSTRUCTION	70							5
54	4+13.40	CEDAR STREET RT			CONSTRUCTION		1						1
54	4+13.41	CEDAR STREET LT			CONSTRUCTION		1						1
54	4+13.42	CEDAR STREET RT	4+55.00	CEDAR STREET RT	CONSTRUCTION	42							3
54	4+13.43	CEDAR STREET LT			CONSTRUCTION	14							1
					SUBTOTALS 1	784	28	30	30	1134			107

Jonathan Peitz
2024.08.09 10:11:11 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE CC | STATE MO

DISTRICT SW | SHEET NO. 3

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

EROSION CONTROL

SHEET NO.	STA.	LOCATION	STA.	LOCATION	PHASE	ALTERNATE DITCH CHECK (FT)	CURB INLET CHECK (EACH)	SEDIMENT TRAP EXCAVATION (CY)	SEDIMENT TRAP ROCK (CY)	SILT FENCE (FT)	TURF REINFORCEMENT MAT TYPE 3 (SY)	EROSION CONTROL BLANKET TYPE 3B (SY)	SED. REM. (CY)
55	2+40.15	ROUTE CC EAST RT			CONSTRUCTION	14							1
55	2+57.66	ROUTE CC EAST LT			CONSTRUCTION		1						1
55	2+76.63	ROUTE CC EAST RT	3+50.62	CEDAR STREET RT	CONSTRUCTION	42							3
55	3+06.89	ROUTE CC EAST RT			CONSTRUCTION		1						1
55	3+69.26	ROUTE CC EAST LT			CONSTRUCTION		1						1
55	3+83.40	ROUTE CC EAST RT			CONSTRUCTION		1						1
55	5+52.29	ROUTE CC EAST RT			CONSTRUCTION	14							1
55	5+81.14	ROUTE CC EAST LT			CONSTRUCTION		1						1
56	6+26.65	ROUTE CC EAST RT			CONSTRUCTION	14							1
56	6+85.95	ROUTE CC EAST LT	7+99.37	ROUTE CC EAST LT	CONSTRUCTION	98							7
56	7+02.02	ROUTE CC EAST RT	8+10.32	ROUTE CC EAST RT	CONSTRUCTION	42							3
56	8+44.42	ROUTE CC EAST RT	9+80.53	ROUTE CC EAST RT	CONSTRUCTION	70							5
56	8+18.15	ROUTE CC EAST LT	9+81.66	ROUTE CC EAST LT	CONSTRUCTION	210							15
57	73+80.46	ROUTE CC NORTH LT	74+48.88	ROUTE CC NORTH LT	FINAL							157	
57	73+93.96	ROUTE CC NORTH RT	74+41.89	ROUTE CC NORTH RT	FINAL							75	
57 & 58	74+42.33	ROUTE CC NORTH LT	78+09.43	ROUTE CC NORTH LT	FINAL							5075	
57	74+57.47	ROUTE CC NORTH RT	76+35.43	ROUTE CC NORTH RT	FINAL							475	
57	74+67.18	ROUTE CC NORTH RT	76+26.16	ROUTE CC NORTH RT	FINAL						143		
57	76+52.95	ROUTE CC NORTH RT	77+35.10	ROUTE CC NORTH RT	FINAL							312	
57	76+58.23	ROUTE CC NORTH RT	77+13.60	ROUTE CC NORTH RT	FINAL						68		
58 & 60	77+69.95	ROUTE CC NORTH RT	3+73.69	CEDAR STREET LT	FINAL							1105	
58	77+88.37	ROUTE CC NORTH RT	79+95.41	ROUTE CC NORTH RT	FINAL						248		
58 & 61	78+02.38	ROUTE CC NORTH LT	4+13.04	ROUTE CC EAST LT	FINAL							1619	
58	78+28.80	ROUTE CC NORTH LT	78+74.73	ROUTE CC NORTH LT	FINAL						53		
58	0+34.53	MAIN STREET RT	1+00.97	MAIN STREET RT	FINAL							59	
58 & 59	1+01.74	MAIN STREET RT	2+24.30	MAIN STREET RT	FINAL						133		
59	2+24.30	MAIN STREET RT	3+75.00	MAIN STREET RT	FINAL							923	
59 & 61	3+75.00	MAIN STREET LT	4+09.38	ROUTE CC EAST RT	FINAL							551	
60	2+04.69	CEDAR STREET LT	2+94.31	CEDAR STREET LT	FINAL							94	
60	2+05.80	CEDAR STREET RT	3+38.57	CEDAR STREET RT	FINAL							146	
60	3+38.57	CEDAR STREET RT	4+56.44	CEDAR STREET RT	FINAL						127		
60	3+98.41	CEDAR STREET RT	4+88.85	CEDAR STREET RT	FINAL						199		
61	0+61.36	ROUTE CC EAST RT	3+88.38	ROUTE CC EAST RT	FINAL						307		
61	0+70.05	ROUTE CC EAST RT	4+07.96	ROUTE CC EAST RT	FINAL							235	
61 & 62	4+53.54	ROUTE CC EAST LT	6+08.80	ROUTE CC EAST LT	FINAL							225	
61 & 62	4+53.88	ROUTE CC EAST RT	9+75.01	ROUTE CC EAST RT	FINAL							815	
61 & 62	4+54.81	ROUTE CC EAST RT	9+81.66	ROUTE CC EAST RT	FINAL							328	
61 & 62	4+74.37	ROUTE CC EAST RT	9+81.66	ROUTE CC EAST RT	FINAL						774		
62	6+49.30	ROUTE CC EAST LT	9+81.66	ROUTE CC EAST LT	FINAL							772	
62	6+74.30	ROUTE CC EAST LT	9+81.66	ROUTE CC EAST LT	FINAL						257		
62	6+87.79	ROUTE CC EAST LT	7+90.00	ROUTE CC EAST LT	FINAL							50	
62	8+50.30	ROUTE CC EAST LT	9+76.07	ROUTE CC EAST LT	FINAL							35	
					SUBTOTALS 2	504	5				2309	13051	30
					SUBTOTALS 1	784	28	30	30	1134			107
					TOTALS	1288	33	30	30	1134	2309	13051	137

TYPE 2 ROCK BLANKET

SHEET	STA.	STA.	LOCATION	LENGTH (FT)	WIDTH (FT)	DEPTH (FT)	FURNISHING (CY)	PLACING (CY)	SEPARATION GEOTEXTILE (SY)
7	3+05.00	3+75.00	MAIN STREET RT	70	VARIES	2	216	216	308
			TOTALS				216	216	308

Jonathan Peitz
2024.08.09 09:07:11 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE CC | STATE MO

DISTRICT SW | SHEET NO. 3

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

QUANTITIES
SHEET 5 OF 9

PIPE CULVERTS

FROM STRUC-TURE NO.	STA.	LOCATION	TO STRUC-TURE NO.	STA.	LOCATION	PLAN SHEET NO.	CULVERT SECTION SHEET NO.	GROUP A PIPE 15 IN. (FT.)	GROUP A PIPE 18 IN. (FT.)	GROUP C PIPE 18 IN. (FT.)	CONCRETE ELLIPTICAL PIPE 34"X53" (FT.)	CLASS IV RCP 18 IN. (FT.)	CLASS IV RCP 30 IN. (FT.)	GROUP A F.E.S. 15 IN. (EACH)	GROUP A F.E.S. 18 IN. (EACH)	GROUP C F.E.S. 18 IN. (EACH)	ELLIPTICAL F.E.S. 34"X53" (EACH)	CLASS IV F.E.S. 18 IN. (EACH)	CLASS IV F.E.S. 30 IN. (EACH)	CLASS 3 EXC. (CY.)
FES 74F2	74+16.66	ROUTE CC NORTH RT	FES 73F1	73+93.24	ROUTE CC NORTH LT	4	80					36						2		19
	74+67.18	ROUTE CC NORTH RT		74+32.06	ROUTE CC NORTH RT	4	80			31						2				14
75X1	75+22.10	ROUTE CC NORTH LT	FES 74F1	74+40.19	ROUTE CC NORTH LT	4	82						72						1	51
	76+58.08	ROUTE CC NORTH RT		76+31.84	ROUTE CC NORTH RT	4	80			32						2				20
76T1	76+23.97	ROUTE CC NORTH LT	FES76F1	76+28.36	ROUTE CC NORTH LT	4	84		24						1					1
	77+88.42	ROUTE CC NORTH RT		77+13.39	ROUTE CC NORTH RT	4	81			66						2				35
78T3	78+55.82	ROUTE CC NORTH LT	77T1	77+12.45	ROUTE CC NORTH LT	4,5	84		143											110
77T1	77+12.45	ROUTE CC NORTH LT	76T1	76+23.97	ROUTE CC NORTH LT	5	84		85											1
77T2	77+92.35	ROUTE CC NORTH LT	FES 77F3	77+59.05	ROUTE CC NORTH LT	4,5	83	29						1						23
78T1	78+12.36	ROUTE CC NORTH LT	77T1	77+92.35	ROUTE CC NORTH LT	5	83	31												14
FES 78F2	78+28.64	ROUTE CC NORTH LT	78T1	78+12.36	ROUTE CC NORTH LT	5	83	8						1						6
78T2	78+27.86	ROUTE CC NORTH RT	78F1	78+27.97	ROUTE CC NORTH RT	5	81	25						1						9
79T1	79+09.37	ROUTE CC NORTH LT	78T3	78+55.82	ROUTE CC NORTH LT	5	85		52											49
79T5	79+18.48	ROUTE CC NORTH RT	79T1	79+09.37	ROUTE CC NORTH RT	5	89		46											40
79T2	79+59.61	ROUTE CC NORTH LT	79T1	79+09.37	ROUTE CC NORTH LT	5	85		51											54
79T4	79+59.61	ROUTE CC NORTH LT	79T2	79+59.61	ROUTE CC NORTH LT	5	85		25											27
79T3	79+66.99	ROUTE CC NORTH RT	79T5	79+18.48	ROUTE CC NORTH RT	5	89	46												31
MH 549MH1	5+49.34	CEDAR STREET LT	79T3	79+66.99	ROUTE CC NORTH RT	5	89	43												37
80CI1	80+24.39	ROUTE CC NORTH RT	MH 549MH1	5+49.34	CEDAR STREET LT	5	91	27												10
80S1	5+80.95	CEDAR STREET LT	80CI1	80+24.39	ROUTE CC NORTH RT	5	91	9												3
242S1	2+42.05	CEDAR STREET LT	FES 243F1	2+43.24	CEDAR STREET RT	8	91		41						1					28
413S1	4+13.42	CEDAR STREET RT	FES 338F1	3+36.45	CEDAR STREET RT	8	92	68						1						41
413T2	4+13.42	CEDAR STREET RT	413S1	4+13.42	CEDAR STREET RT	8	92	7												2
413T1	4+13.42	CEDAR STREET LT	413T2	4+13.42	CEDAR STREET RT	8	92	39												16
504T1	5+04.14	CEDAR STREET LT	MH 549MH1	5+49.34	CEDAR STREET LT	5	89	52												39
505T1	5+05.97	CEDAR STREET LT	504T1	5+04.14	CEDAR STREET RT	5	89 & 90	64												41
MH 79MH1	0+79.21	MAIN STREET RT	505T1	5+05.97	CEDAR STREET RT	5	90	74												64
117T1	1+17.38	MAIN STREET RT	MH 79MH1	0+79.21	MAIN STREET RT	5	90	41												34
138T1	1+38.94	MAIN STREET RT	117T1	1+17.38	MAIN STREET RT	5	90	19												11
148T1	1+48.87	MAIN STREET LT	138T1	1+38.94	MAIN STREET RT	5	90	52												26
110D1	1+14.79	MAIN STREET LT	148T1	1+48.87	MAIN STREET LT	5	91	31												13
170T1	1+70.81	MAIN STREET LT	148T1	1+48.87	MAIN STREET LT	5	91	17												9
163T1	1+63.73	ROUTE CC EAST RT	213T1	2+13.17	ROUTE CC EAST RT	5	87	47												27
187T1	1+87.40	ROUTE CC EAST LT	79T4	79+81.51	ROUTE CC NORTH LT	5	85		91											126
214T1	2+14.79	ROUTE CC EAST LT	187T1	1+87.40	ROUTE CC EAST LT	5	85 & 86		28											28
213T1	2+13.17	ROUTE CC EAST RT	230T1	2+30.23	ROUTE CC EAST RT	5	87	12												6
232T1	2+32.49	ROUTE CC EAST LT	214T1	2+14.79	ROUTE CC EAST LT	5	86		14											11
230T1	2+30.23	ROUTE CC EAST RT	232T1	2+32.49	ROUTE CC EAST LT	5	86		57											41
230S1	2+30.86	ROUTE CC EAST RT	230T1	2+30.23	ROUTE CC EAST RT	5	86		8											3
257T1	2+57.90	ROUTE CC EAST LT	232T1	2+32.49	ROUTE CC EAST LT	10	86	20												14
307T1	3+07.00	ROUTE CC EAST RT	230T1	2+30.23	ROUTE CC EAST RT	10	87	72												54
369T1	3+69.28	ROUTE CC EAST LT	257T1	2+57.90	ROUTE CC EAST LT	10	86	106												73
383T1	3+83.39	ROUTE CC EAST RT	307T1	3+07.00	ROUTE CC EAST RT	10	87	73												49
581T1	5+81.55	ROUTE CC EAST LT	FES 588F1	6+71.48	ROUTE CC EAST LT	10, 11	88	85						1						43
815S1	8+15.34	ROUTE CC EAST RT	FES 808F1	8+08.42	ROUTE CC EAST LT	11	88				71						1			141
							TOTALS	1097	665	129	71	36	72	5	2	6	1	2	1	1494

TEMPORARY PAVEMENT

SHEET NO.	STA.	STA.	LOCATION	PMBP (BP-1) (TON)	ASPHALT WEDGING PMBP (BASE) (TON)	TACK COAT (GAL)
36	5+45.00	5+70.00	* CEDAR STREET	40.1	58.2	37
			TOTALS	40.1	58.2	37
* WEDGE EXIST. ROUTE CC PAVEMENT TO MATCH PROPOSED CEDAR STREET PAVEMENT						

TEMPORARY SURFACING

* 10 TONS
* FOR ENTRANCE CONSTRUCTION AND USE WHERE NEEDED

QUANTITIES
SHEET 6 OF 9

Jonathan W. Peitz
2024.08.12 12:22:42 -05'00'
STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER
JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/12/2024

ROUTE CC | STATE MO
DISTRICT SW | SHEET NO. 3
COUNTY CHRISTIAN
JOB NO. J8S0736F
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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

PRECAST DROP INLET

STRUC-TURE NO.	PLAN SHEET NO.	CULVERT SECTION SHEET NO.	LOCATION	STATION	OFFSET	MOD. S-1 DROP INLET (5.5'X3') (LF)	TYPE S-2 DROP INLET (3'X3') (LF)	TYPE S-2 DROP INLET (5'X3') (LF)	TYPE S-2 DROP INLET (2'X3') (LF)	TYPE S-3 DROP INLET (5'X3') (LF)	MODIFIED TYPE T INLET (2.5'X3') (EACH)	TYPE T PRECAST DROP INLET (2.5'X3') (LF)	TYPE T PRECAST DROP INLET (5'X3') (LF)	RECESSED CURB INLET (8'X4') (EACH)	OUTLET STRUCTURE (6'X5') (EACH)	SPECIAL GRATE INLET (2.5'X2') (EACH)	TYPE D DROP INLET (2'X2') (LF)	PRECAST MANHOLE (48") (LF)	GRATE & BEARING PLATE 3'1" X 2'1" (EACH)	GRATE & BEARING PLATE 3'0" X 3'0" (EACH)	GRATE & BEARING PLATE 5'1" X 3'1" (EACH)	CURVED VANE GRATE AND FRAME (2'X2') (EACH)	MANHOLE FRAME & COVER TYPE 3 (EACH)	MANHOLE FRAME & COVER TYPE 4 (EACH)	PIPE OPENINGS (#-SIZE)	CL. 3 EXC. (CY)
75X1	4	82	ROUTE CC NORTH LT	75+22.10	83.52										1										1-30"	5
76T1	4	84	ROUTE CC NORTH LT	76+23.97	19.31							5											1		2-18"	3
77T1	4	84	ROUTE CC NORTH LT	77+12.45	19.50								6												2-18"	0
77T2	5	83	ROUTE CC NORTH LT	77+92.35	115.49									1									1		2-15"	22
78T1	5	83	ROUTE CC NORTH LT	78+12.36	96.36									1									1		2-15"	19
78T2	5	81	ROUTE CC NORTH RT	78+27.86	19.50							4											1		1-15"	0
78T3	5	85	ROUTE CC NORTH LT	78+55.82	19.50							9											1		2-18"	15
79T1	5	85	ROUTE CC NORTH LT	79+09.37	25.29							9											1		3-18"	15
79T5	5	89	ROUTE CC NORTH RT	79+18.48	19.50							8											1		1-15", 1-18"	12
79T2	5	85	ROUTE CC NORTH LT	79+59.61	44.16							9											1		2-18"	18
79T3	5	89	ROUTE CC NORTH RT	79+66.99	26.35							8											1		2-15"	13
79T4	5	85	ROUTE CC NORTH LT	79+81.51	60.50							9											1		2-18"	19
MH 549MH1	5	89	CEDAR STREET LT	5+49.34	68.28													8						1	3-15"	24
80C11	5	91	ROUTE CC NORTH RT	80+24.39	40.21											1									2-15"	6
80S1	5	91	CEDAR STREET LT	5+80.95	37.62			4													1				1-15"	10
242S1	8	91	CEDAR STREET LT	2+42.05	19.04		3													1					1-18"	11
413S1	8	92	CEDAR STREET RT	4+13.42	31.46				4										1						2-15"	11
413T2	8	92	CEDAR STREET RT	4+13.42	19.50							5											1		2-15"	11
413T1	8	92	CEDAR STREET LT	4+13.42	19.50						1												1		1-15"	7
504T1	5	89	CEDAR STREET LT	5+04.14	37.06							6											1		2-15"	11
505T1	5	90	CEDAR STREET RT	5+05.97	26.88							6											1		2-15"	13
MH 79MH1	5	90	MAIN STREEET RT	0+79.21	59.73													6						1	2-15"	23
110D1	5	91	MAIN STREET LT	1+14.79	26.32												3					1			1-15"	6
117T1	5	90	MAIN STREEET RT	1+17.38	37.13							6											1		2-15"	14
138T1	5	90	MAIN STREEET RT	1+38.94	29.71								5										1		2-15"	16
148T1	5	90	MAIN STREET LT	1+48.87	21.03								4										1		3-15"	16
170T1	5	91	MAIN STREET LT	1+70.81	21.00								4										1		1-15"	14
163T1	7	87	ROUTE CC EAST RT	1+63.73	42.57							4											1		1-15"	11
187T1	7	85	ROUTE CC EAST LT	1+87.40	45.63							8											1		2-18"	20
213T1	7	87	ROUTE CC EAST RT	2+13.17	30.67								4										1		2-15"	15
214T1	7	86	ROUTE CC EAST LT	2+14.79	31.96							7											1		2-18"	17
230T1	7	87	ROUTE CC EAST RT	2+30.23	29.24								5										1		2-15",2-18"	19
230S1	7	86	ROUTE CC EAST RT	2+30.86	43.18					3											1				1-18"	13
232T1	7	86	ROUTE CC EAST LT	2+32.49	27.90								6										1		1-15",2-18"	20
257T1	7	85	ROUTE CC EAST LT	2+57.90	27.00								5										1		2-15"	17
307T1	7	87	ROUTE CC EAST RT	3+07.00	29.00								4										1		2-15"	16
369T1	7	86	ROUTE CC EAST LT	3+69.28	27.00								4										1		1-15"	15
383T1	7	87	ROUTE CC EAST RT	3+83.39	29.00							4											1		1-15"	11
581T1	7	88	ROUTE CC EAST LT	5+81.55	27.00							4											1		1-15"	7
815S1	11	88	ROUTE CC EAST RT	8+15.34	32.04	6															1				1-34"X53"	16
					TOTALS	6	3	4	4	3	1	111	47	2	1	1	3	14	1	1	3	1	29	2		531

* NOTE: CONCRETE THROAT SHALL BE SUBSIDIARY TO CURB INLETS SET IN CONCRETE MEDIANS. NO DIRECT PAY.

QUANTITIES
SHEET 7 OF 9

Jonathan W. Peitz
2024.08.09 13:58:41 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2007019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2007019023

DATE PREPARED
8/9/2024

ROUTE: CC | STATE: MO
DISTRICT: SW | SHEET NO.: 3
COUNTY: CHRISTIAN
JOB NO.: J8S0736F
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

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

PAVEMENT MARKING

STA.	STA.	LOCATION	WATERBORNE PAINT, TYPE P BEADS					REMARKS
			4" WHITE (L.F.)	4" YELLOW (L.F.)	8" DOTTED WHITE (L.F.)	ISLAND MARKINGS FACE & TOP OF CURB YELLOW (L.F.)	ISLAND MARKINGS FACE & TOP WHITE (L.F.)	
2+05	2+76	CEDAR STREET	71					
2+05	2+95	CEDAR STREET		180				
2+95	3+72	CEDAR STREET	77					
2+95	5+23	CEDAR STREET		222				
2+95	5+27	CEDAR STREET		224				
2+95	5+27	CEDAR STREET				192		
2+95	5+27	CEDAR STREET					36	
5+23	5+27	CEDAR STREET	61					
5+31	5+51	CEDAR STREET			12			
		ISLAND				440		
0+93	0+97	MAIN STREET	63					
0+93	0+97	MAIN STREET					38	
0+63	0+88	MAIN STREET			14			
0+93	1+14	MAIN STREET		22				
1+15	0+97	MAIN STREET		19				
0+93	1+14	MAIN STREET				22		
1+15	0+97	MAIN STREET				19		
1+24	2+30	MAIN STREET				197		
1+24	3+75	MAIN STREET		500				
2+30	3+75	MAIN STREET		73				
3+18	3+75	MAIN STREET	29					
73+94	74+08	ROUTE CC NORTH		28				
74+08	79+55	ROUTE CC NORTH		547				
74+08	79+57	ROUTE CC NORTH		549				
76+75	79+57	ROUTE CC NORTH				566		
79+57	80+15	ROUTE CC NORTH			17			
79+65	79+86	ROUTE CC NORTH		22				
79+67	79+89	ROUTE CC NORTH		23				
79+65	79+86	ROUTE CC NORTH				22		
79+67	79+89	ROUTE CC NORTH				23		
79+86	79+89	ROUTE CC NORTH	68					
79+86	79+89	ROUTE CC NORTH					41	
79+93	80+06	ROUTE CC NORTH			10			
1+73	1+81	ROUTE CC EAST	156					
1+73	1+81	ROUTE CC EAST					123	
1+27	1+39	ROUTE CC EAST			10			
1+43	1+45	ROUTE CC EAST	62					
1+43	1+45	ROUTE CC EAST					34	
1+43	1+64	ROUTE CC EAST		23				
1+43	1+64	ROUTE CC EAST				23		
1+45	1+62	ROUTE CC EAST		18				
1+43	1+64	ROUTE CC EAST				18		
1+72	3+13	ROUTE CC EAST		283				
1+72	3+13	ROUTE CC EAST				283		
1+83	3+06	ROUTE CC EAST	241					
1+83	2+00	ROUTE CC EAST					34	
3+06	4+13	ROUTE CC EAST	107					
3+13	4+13	ROUTE CC EAST	100					
3+13	4+13	ROUTE CC EAST		200				
4+13	6+69	ROUTE CC EAST	64					
4+55	7+83	ROUTE CC EAST		1312				
7+83	9+82	ROUTE CC EAST		398				
0+50	1+53	ROSEWOOD LANE		206				
0+50	1+53	ROSEWOOD LANE	103					
TOTAL :			1202	4849	63	1805	306	

PAVEMENT MARKING

STA.	STA.	LOCATION	PREFORMED THERMOPLASTIC							REMARKS
			30" MIDBLOCKS WHITE (EA.)	24" YELLOW (L.F.)	24" WHITE (L.F.)	12" YIELD LINE TRIANGLES WHITE (EA.)	LEFT/RIGHT ARROW (EA.)	THRU/LEFT ARROW (EA.)	"ONLY" WHITE (EA.)	
2+95	4+30	CEDAR STREET		26						
4+87		CEDAR STREET				8				
4+90	5+05	CEDAR STREET	7							
5+20		CEDAR STREET				11				
0+93		MAIN STREET				11				
1+15	1+24	MAIN STREET	7							
1+33		MAIN STREET				8				
74+08	76+75	ROUTE CC NORTH		38						
79+49		ROUTE CC NORTH				8				
79+55	79+67	ROUTE CC NORTH	7							
79+89		ROUTE CC NORTH				11				
1+42		ROUTE CC EAST				11				
1+43		ROUTE CC EAST				11				
1+64		ROUTE CC EAST	4							
1+69		ROUTE CC EAST	4							
1+94		ROUTE CC EAST	4							
1+87		ROUTE CC EAST				9				
2+02		ROUTE CC EAST				10				
1+72	3+13	ROUTE CC EAST			34					
2+13		ROUTE CC EAST						1		
2+22		ROUTE CC EAST					1			
2+63	3+06	ROUTE CC EAST		31						
3+07		ROUTE CC EAST							1	
3+32		ROUTE CC EAST					1			
3+61		ROUTE CC EAST						1		
3+72		ROUTE CC EAST					1			
4+07		ROUTE CC EAST					1			
4+55	7+83	ROUTE CC EAST		97						
0+50		ROSEWOOD LANE			24					
1+26		ROSEWOOD LANE					1			
1+26		ROSEWOOD LANE					1			
TOTAL			33	166	58	98	6	2	1	

Jonathan Peitz
2024.08.09 09:16:56 -05'00'
STATE OF MISSOURI
JACOB ALDEN BERRY
NUMBER PE-2021035235
PROFESSIONAL ENGINEER
JACOB ALDEN BERRY - ENGINEER
MO# PE-2021035235

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	3

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

EFFECTIVE: 10-01-2022

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL AREA SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NUM.	DESCRIPTION
WARNING SIGNS								
W01-1L	48X48	16.00						TURN (SYMBOL LEFT ARROW)
W01-1R	48X48	16.00						TURN (SYMBOL RIGHT ARROW)
W01-2L	48X48	16.00						CURVE (SYMBOL LEFT ARROW)
W01-2R	48X48	16.00						CURVE (SYMBOL RIGHT ARROW)
W01-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT ARROW)
W01-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT ARROW)
W01-4L	48X48	16.00						REVERSE CURVE (SYMBOL LEFT ARROW)
W01-4R	48X48	16.00						REVERSE CURVE (SYMBOL RIGHT ARROW)
W01-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)
W01-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)
W01-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)
W01-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)
W01-6	60X30	12.50						HORIZONTAL ARROW (SYMBOL)
W01-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)
W01-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)
W01-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)
W01-8	18X24	3.00						CHEVRON (SYMBOL)
W01-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)
W03-1	48X48	16.00						STOP AHEAD (SYMBOL)
W03-2	48X48	16.00						YIELD AHEAD (SYMBOL)
W03-3	48X48	16.00						SIGNAL AHEAD (SYMBOL)
W03-4	48X48	16.00						BE PREPARED TO STOP
W03-5	48X48	16.00						SPEED LIMIT AHEAD
W04-1L	48X48	16.00						MERGE (SYMBOL FROM LEFT)
W04-1R	48X48	16.00						MERGE (SYMBOL FROM RIGHT)
W04-1aL	48X48	16.00						MERGE (ARROW SYMBOL)
W04-1aR	48X48	16.00						MERGE (ARROW SYMBOL)
W05-1	48X48	16.00						ROAD/BRIDGE/RAMP NARROWS
W05-3	48X48	16.00						ONE LANE BRIDGE
W05-5	48X48	16.00						NARROW LANES
W06-1	48X48	16.00						DIVIDED HIGHWAY (SYMBOL)
W06-2	48X48	16.00						DIVIDED HIGHWAY END (SYMBOL)
W06-3	48X48	16.00						TWO WAY TRAFFIC (SYMBOL)
W07-3a	30X24	5.00						NEXT XX MILES (PLAQUE)
W08-1	48X48	16.00						BUMP
W08-2	48X48	16.00						DIP
W08-3	48X48	16.00						PAVEMENT ENDS
W08-4	48X48	16.00						SOFT SHOULDER
W08-5	48X48	16.00						SLIPPERY WHEN WET (SYMBOL)
W08-6	48X48	16.00						TRUCK CROSSING
W08-6c	48X48	16.00						TRUCK ENTRANCE
W08-7	36X36	9.00						LOOSE GRAVEL
W08-7a	36X36	9.00						FRESH OIL/LOOSE GRAVEL
W08-9	48X48	16.00						LOW SHOULDER
W08-11	48X48	16.00						UNEVEN LANES
W08-12	48X48	16.00						NO CENTER LINE
W08-15	48X48	16.00						GROOVED PAVEMENT
W08-15P	30X24	5.00						MOTORCYCLE (PLAQUE)
W08-17	48X48	16.00						SHOULDER DROP-OFF (SYMBOL)
W08-17P	30X24	5.00						SHOULDER DROP-OFF (PLAQUE)
W10-1	42RND	9.62						RAILROAD CROSSING
W012-1	24X24	4.00						DOUBLE DOWN ARROW (SYMBOL)
W012-2	48X48	16.00						LOW CLEARANCE (SYMBOL)
W012-2X	24X18	3.00						LOW CLEARANCE (PLAQUE)
W012-2a	84X24	14.00						OVERHEAD LOW CLEARANCE (FEET AND INCHES)
W012-4	120X60	50.00						LOW CLEARANCE XX FT XX IN XX MILES AHEAD
W012-5	120X60	50.00						WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD
W013-1	30X30	6.25						ADVISORY SPEED (PLAQUE)
W016-2	30X24	5.00						XXX FEET (PLAQUE)
W016-3	30X24	5.00						X MILE (PLAQUE)
W020-1	48X48	16.00	4	64.00				ROAD/BRIDGE/RAMP WORK AHEAD
W020-2	48X48	16.00						DETOUR AHEAD
W020-3	48X48	16.00	4	64.00				ROAD CLOSED AHEAD
W020-3	48X48	16.00	4	64.00				ROAD CLOSED XXX FEET
W020-4	48X48	16.00	3	48.00				ONE LANE ROAD AHEAD
W020-5a	48X48	16.00						2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD
W020-6a	48X48	16.00						RIGHT/CENTER/LEFT LANE CLOSED
W020-7	48X48	16.00	3	48.00				FLAGGER (SYMBOL) WITH FLAGS
W021-2	36X36	9.00						FRESH OIL
W021-5	48X48	16.00						SHOULDER WORK AHEAD
W022-1	48X48	16.00						BLASTING ZONE AHEAD
W022-2	42X36	10.50						TURN OFF 2-WAY RADIO AND PHONE
W022-3	42X36	10.50						END BLASTING ZONE
G022-1	21X15	2.19						WET PAINT (ARROW PIVOTS)

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NUM.	DESCRIPTION
GUIDE SIGNS								
E05-1	36X48	12.00						GORE EXIT
E05-2	48X36	12.00						EXIT OPEN
E05-2a	48X36	12.00						EXIT CLOSED
G020-1	60X24	10.00						ROAD WORK NEXT XX MILES
G020-2	48X24	8.00						END ROAD WORK
G020-4	36X18	4.50						PILOT CAR FOLLOW ME
G020-4a	42X30	8.75						PILOT CAR IN USE WAIT & FOLLOW
G020-4a	18X12	1.50						PILOT CAR IN USE WAIT & FOLLOW
G020-5aP	36X24	6.00						WORK ZONE (PLAQUE)
M03-1	36X18	4.50						CARDINAL DIRECTION (NORTH)
M03-3	36X18	4.50						CARDINAL DIRECTION (SOUTH)
M04-8	30X15	3.13						DETOUR
M04-8a	24X18	3.00	2	6.00				END DETOUR
M04-12	36X60	15.00	7	105.00				DETOUR (STRAIGHT)
M04-12	36X60	15.00	2	30.00				DETOUR (STRAIGHT/LEFT)
M04-12	36X60	15.00	3	45.00				DETOUR (LEFT)
M04-12	36X60	15.00	1	15.00				DETOUR (STRAIGHT/RIGHT)
M04-12	36X60	15.00	2	30.00				DETOUR (RIGHT)
M04-12	36X60	15.00	1	15.00				DETOUR (DIAGONAL RIGHT)
M04-10R	48X18	6.00						DETOUR (ARROW RIGHT)
REGULATORY SIGNS								
R1-1	48X48	13.25						STOP
R1-2	48TRI	6.93						YIELD
R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)
R1-3P	30X12	2.50						ALL WAY (PLAQUE)
R2-1	36X48	12.00						SPEED LIMIT XX
R3-1	48X48	16.00						NO RIGHT TURN (SYMBOL)
R3-2	48X48	16.00						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						LEFT LANE MUST TURN LEFT
R3-7R	30X30	6.25						RIGHT LANE MUST TURN RIGHT
R4-1	36X48	12.00						DO NOT PASS
R4-2	36X48	12.00						PASS WITH CARE
R4-8a	36X48	12.00						KEEP LEFT (HORIZONTAL ARROW)
R4-7a	36X48	12.00						KEEP RIGHT (HORIZONTAL ARROW)
R5-1	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						SIDEWALK CLOSED
R9-11L	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW LEFT) CROSS HERE
R9-11R	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE
R10-6	24X36	6.00						STOP HERE ON RED (45^ ARROW)
R11-2	48X30	10.00	5	50.00				ROAD CLOSED
R11-3a	60X30	12.50	2	25.00				ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY
R11-4	60X30	12.50	3	37.50				ROAD CLOSED TO THRU TRAFFIC
CONST-3A	60X48	20.00						FINE SIGN
CONST-3X	56X12	4.67						SPEEDING/PASSING (PLATE)
MISCELLANEOUS SIGNS								
CONST-5-96	48X36	12.00						POINT OF PRESENCE
CONST-5-96	96X48	32.00						POINT OF PRESENCE
CONST-7-72	48X24	8.00						RATE OUR WORK ZONE
CONST-7-72	72X36	18.00						RATE OUR WORK ZONE
SPECIAL	48X36	12.00	2	24.00				WORK ZONE NO PHONE ZONE
SPECIAL	96X48	32.00	4	128.00				CC CLOSED FOLLOW DETOUR

616-10.05 CONSTRUCTION SIGNS	TOTAL	
	799	
616-10.10 RELOCATED SIGNS		TOTAL

ITEM NUMBER	TOTAL QTY	DESCRIPTION
6122008		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		REPLACEMENT SAND BARREL
6122030		IMPACT ATTENUATOR (RELOCATION)
6123000A		TRUCK OR TRAILER MOUNTED ATTENUATOR (TMA)
6161008	8	ADVANCED WARNING RAIL SYSTEM
6161012		BUOYS (BOATS KEEP OUT)
6161013		BUOYS (NO WAKE)
6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)
6161025	105	CHANNELIZER (TRIM LINE)
6161030	38	TYPE III MOVEABLE BARRICADE
6161033		DIRECTION INDICATOR BARRICADE
6161040		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		CHANGEABLE MESSAGE SIGN W/O COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED
6161099	10	CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED
6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM
6162002		TEMPORARY LONG-TERM RUMBLE STRIPS
6162004		TEMPORARY SHORT-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		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
9019400	1	TEMPORARY LIGHTING
9029400		TEMPORARY TRAFFIC SIGNALS
9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING

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

JACOB ALDEN BERRY - ENGINEER
MO# PE-2021035235

DATE PREPARED: 8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	3

COUNTY: CHRISTIAN

JOB NO.: J8S0736F

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF AUTHORITY NO. 001592

QUANTITIES
SHEET 9 OF 9

LEGEND

8" CONCRETE MEDIAN

9" TINTED RED TRUCK APRON

SEE SHEETS 13-18 FOR RIGHT OF WAY DETAILS

SEE SHEETS 80-92 FOR DRAINAGE DETAILS

PLUMMER, DAVID

PI 75+36.26
PC 74+26.27
PT 76+45.63
Δ 10°28'25.3" (LT)
D 4°46'28.7"
L 219.36' (ARC)
T 109.99'
R 1,200.00'

TYPE III DRIVEWAY
STA. 74+69.00 LT
WIDTH = 31.0'
GRADE = 1.40%
EXISTING GRADE = 4.11%
ASPHALT SURFACE

TEMPORARY CONSTRUCTION EASEMENT

TYPE A GUTTER

FES 73F1

LAND SURVEY 1" PIPE
NORTHWEST CORNER SECTION 1-T27N-R22W
DOCUMENT NO. 600-27976
2294.30' S33°24'08"E TO BEGINNING OF PROJECT

PROJECT BEGINS AT A POINT APPROX. 1915.35' SOUTH AND 1263.04' EAST OF THE NW CORNER OF SEC. 1-T27N-R22W

GRADE V-DITCH TO DRAIN, STA. 72+11.00 TO STA. 73+61.00

EXIST. 20' WATERMAIN ESMT.

EXISTING R/W

STA 73+20.00

+93.96 14.50'

4 CY ROCK LINING

¼¼ SECTION LINE

ROUTE CC

S01°27'23"W

℄ EXIST. ROUTE CC NORTH

BEGIN PROJECT STA 73+93.96

FES EOS 73F1

℄ ROUTE CC NORTH S01°27'23"W

EXIST. EOP

SAWCUT

+93.96 12.18'

+03.96 12.00'

FES 74F2
6 CY ROCK LINING

S.L.

D.N.D.

+32.08 14.01'

STA. 73+20.00 ℄ ROUTE CC NORTH=
STA. 73+20.00 ℄ EXIST. ROUTE CC NORTH
OFFSET 1.75' LT.

STA. 74+03.71
℄ ROUTE CC NORTH
SKEW 29°06'46" RA
18"X36' CLASS IV PIPE
2-18" CLASS IV CONCRETE F.E.S.

GENERAL NOTE:
THE APPROXIMATE LOCATION OF PROPERTY LINES AS SHOWN ON THE PLANS ARE BASED ON THE BEST INFORMATION AVAILABLE TO THE COMMISSION AT THIS TIME. THIS INFORMATION IS PROVIDED BY THE COMMISSION "AS-IS" AND THE COMMISSION EXPRESSLY DISCLAIMS ANY REPRESENTATION OR WARRANTY AS TO THE COMPLETENESS, ACCURACY, OR SUITABILITY OF THE INFORMATION FOR ANY USE.

RIGHT OF WAY LIMITS FOR THIS PROJECT EXTEND FROM STA. 73+92.66 TO STA. 80+81.68. ROUTE CC NORTH, A DISTANCE OF 0.13 MILES, FROM STA. 0+00.00 TO STA. 3+75.00, MAIN STREET, A DISTANCE OF 0.07 MILES, FROM STA. 1+18.89 TO STA. 6+19.69, CEDAR STREET, A DISTANCE OF 0.09 MILES, AND FROM STA. 0+49.34 TO STA. 10+25.00, ROUTE CC EAST, A DISTANCE OF 0.18 MILES.

ANY WORK INDICATED ON THE PLANS THAT EXTENDS BEYOND THE PROJECT LIMITS IS CONSIDERED INCIDENTAL TO AND A PART OF THE CONSTRUCTION OF THIS PROJECT.

ALL BEARINGS ARE BASED ON STATE PLANE BEARINGS, CENTRAL ZONE.

SCALE
0 20 40 60

② EOFF, BRINDA
SEE SHEET 13

SAWCUT

S.L.

PERMANENT DRAINAGE EASEMENT

SE1/4 NW1/4
1-27N-22W

59 CY ROCK LINING

① MERCHANTS FIELD, L.L.C.
SEE SHEET 13

TEMPORARY CONSTRUCTION EASEMENT

PI 77+95.68
PC 77+00.36
PT 78+90.47
Δ 10°28'25.3" (RT)
D 5°30'33.2"
L 190.11' (ARC)
T 95.32'
R 1,040.00'

PERMANENT DRAINAGE EASEMENT

13'L X 16'W X 2'D = 15 CY ROCK LINING

12'L X 4'W X 1'D = 2 CY ROCK LINING

FES 77F3

12'L X 4'W X 1'D = 2 CY ROCK LINING

OUTLET STRUCTURE 75X1
SEE SHEET 21 FOR DETAILS

FES 76F1

PAVED DITCH

PC STA 74+26.27

FES 74F1

R 113'

R 40'

+10.23 15.00'

75

24.09' 16.96'

R 1113'

19.09' +13.91'

PT STA 76+45.63

PC STA 77+00.36

19.50' +00.36

R 1056.5'

19.50' +25.91

77T1

76T1

NEW R/W

C&G

R 50'

8" CONC. MEDIAN

S09°01'02"E

MATCHLINE STA. 77+60.00

EXIST. EOP

EOP

R 10'

EOS

OBLITERATE

R 1125'

+67.37 15.68'

+26.49 19.09'

+63.87 19.50'

+82.82 19.50'

5 CY ROCK LINING

12'L X 4'W X 1'D = 3 CY ROCK LINING (R)

S.L.

TYPE S CURB

R 8'

SAWCUT

TEMP. CONST. ESMT.

12'L X 4'W X 1'D = 2 CY ROCK LINING

S.L.

D.N.D.

NEW R/W

TYPE I DRIVEWAY
STA. 74+49.68 RT
WIDTH = 16.0'
GRADE = 9.87%
EXISTING GRADE = 11.96%
18"X 31' GR. C PIPE
2-18" GROUP C F.E.S.
CONCRETE SURFACE

EXIST. 10' UTILITY ESMT.

TYPE I DRIVEWAY
STA. 76+45.00 RT
WIDTH = 18.0'
GRADE = 4.00%
EXISTING GRADE 13.34%
18"X 32' GROUP C PIPE
2-18" GROUP C F.E.S.
CONCRETE SURFACE

PAVED APPROACH (8")
STA. 77+54.00 RT
WIDTH = 31.0'
GRADE = 2.00%
EXISTING GRADE = 7.91%
18"X66' GROUP C PIPE
2-18" GROUP C F.E.S.

③ HAMACHER, MICHAEL J & KAREN S
SEE SHEET 13

④ POSTMA, LAURA A & GEORGE L (TRUST)
SEE SHEET 13

⑤ B & B SQUARE, INC.
SEE SHEET 14

SW1/4 NW1/4
1-27N-22W

PLAN SHEET
SHEET 1 OF 9

Jonathan Peitz 2024.08.09 15:35:00 -05'00'
STATE OF MISSOURI
JONATHAN W. PEITZ NUMBER PE-2017019023
PROFESSIONAL ENGINEER
JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED 8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	4

COUNTY CHRISTIAN

JOB NO. J8S0736F

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF AUTHORITY NO. 001592

(1)
MERCHANTS FIELD, L.L.C.
SEE SHEET 13

PAVED APPROACH (8")
STA. 77+83.00 LT
WIDTH = = 26.0'
GRADE = = 1.97%
EXISTING GRADE = 2.20%

OBLITERATE
INLET 232T1
TEMP. CONST. ESMT.
INLET 214T1
10' SANITARY SEWER EASEMENT
TYPE 2-B CURB RAMP
PROPOSED ROADWAY CROWN SHIFT. SEE SHEET 10.
SE1/4 NW1/4 1-27N-22W
PERMANENT ELECTRIC EASEMENT
INLET 187T1
℄ EXIST. ROUTE CC EAST
5' SIDEWALK
STA. 1+19.34 ℄ (ROUTE CC EAST)=
STA. 0+56.22 ℄ (CIRCULATORY ROADWAY)
℄ CIRCULATORY ROADWAY
START STA 0+00.00
END STA 4+39.82
STA. 3+93.79 ℄ CIRCULATORY ROADWAY
END PIPE AGGREGATE PAVEMENT EDGE DRAIN
STA. 80+11.68 ℄ (ROUTE CC NORTH)=
STA. 3+86.62 ℄ (CIRCULATORY ROADWAY)
INLET 77T2
SAWCUT
2' CONC. C&G
PERMANENT DRAINAGE EASEMENT
TEMP. CONST. ESMT.
FES 78F2
2' CONC. C&G
S.L.
INLET 78T1
INLET 79T4
INLET 79T2
INLET 79T1
NEW R/W
EXIST. ELECTRIC ESMT.
TYPE 1-C CURB RAMP
TYPE 2-D CURB RAMP
5' SIDEWALK
R 50'
R 325'
R 150'
+49.55
19.50'
19.50'
+56.08
+16.10'
26.74'
PT STA 78+90.47
STA 79+91.68
OFF 0.00' RT.
STA 79+61.07
OFF 6.67' LT.
INLET 78T3
R 1056.5'
S01°27'23"W
R 90'
STA 79+36.07
OFF 0.00' RT.
INLET 79T5
TYPE 1-C CURB RAMP
EOP
C&G
EXIST. R/W
R 50'
19.50'
+23.29
R 1023.5'
+90.47
19.50'
5' SIDEWALK
EXIST. EOP
+33.21
16.50'
TYPE 2-D CURB RAMP
℄ EXIST. ROUTE CC NORTH
5' SIDEWALK
MH 549MH1
OBLITERATE
12'L X 4'W X 1'D = 2 CY ROCK LINING
EXIST. EOP
INLET 79T3
INLET 78T2
EXIST. R/W
S.L.
FES 78F1
R 10'
SAWCUT
TEMP. CONST. ESMT.
PI 77+95.68
PC 77+00.36
PT 78+90.47
Δ 10°28'25.3" (RT)
D 5°30'33.2"
L 190.11' (ARC)
T 95.32'
R 1,040.00'
PERMANENT ELECTRIC EASEMENT
INLET 504T1
OBLITERATE
TYPE 2-B CURB RAMP
SAWCUT
MODIFIED TYPE S CURB
PROPOSED ROADWAY CROWN SHIFT. SEE SHEET 8.
NEW R/W
EXIST. EOP
D.N.D.
S.L.
TEMP. CONST. ESMT.
68
1,725
2,837
5,331
2,974
121
3,919
294
ROUTE CC NORTH
CEDAR STREET
ROUTE CC EAST
51
281
141
6,362
5,786
MAIN STREET
104
2,307
3,244
SW1/4 NW1/4 1-27N-22W
(5)
B & B SQUARE, INC.
SEE SHEET 14
TRAFFIC FLOW DIAGRAM
ESTIMATED - 2047
TRAFFIC VOLUME

ROUTE CC
INLET 230S1
INLET 230T1
C&G
INLET 213T1
NE1/4 SW1/4 1-27N-22W
PERM. UTILITY ESMT.
EXIST. 10' UTILITY ESM'T
(6)
CC/MAIN PROPERTIES, LLC
SEE SHEET 14

CURVE ROUND-01		CURVE ROUND-01	
PI	UNDEFINED	PI	UNDEFINED
Δ	180°0'0" (RT)	Δ	180°0'0" (RT)
D	81°51'4.0"	D	81°51'4.0"
T	UNDEFINED	T	UNDEFINED
L	219.91'	L	219.91'
R	70.00'	R	70.00'
PC	0+00.00	PCC	2+19.91
PCC	2+19.91	PC	4+39.82

EXIST. 30' ACCESS ESMT.
S.L.
TYPE 2-B CURB RAMP
INLET 163T1
5' SIDEWALK
EOP
R 225'
R 90'
+45.54
70.65'
+17.12
66.20'
STA. 80+81.68 ℄ (ROUTE CC NORTH)=
STA. 0+49.34 ℄ (ROUTE CC EAST)=
STA. 6+19.69 ℄ (CEDAR STREET)=
STA. 0+00.00 ℄ (MAIN STREET)
PERM. UTILITY ESMT.
PROPOSED ROADWAY CROWN SHIFT.
NEW R/W
TEMP CONST. ESMT.
EXIST. SANITARY SEWER ESMT.
EXIST. LANDSCAPE AND UTILITY ESM'T
INLET 110D1
OBLITERATE
EXIST 10' UTILITY ESMT.
TYPE 2-D CURB RAMP
+93.33
41.08'
+48.92
21.00'
INLET 148T1
INLET 170T1
MATCHLINE STA. 1+75.00
MAIN STREET
EXIST. R/W
S11°18'19"W
STA 1+45.54
OFF 0.00' RT.
EXIST. EOP
INLET 117T1
C&G
EXIST. EOP
MH 79MH1
EXIST. EOP
INLET 138T1
EXIST. R/W
5' SIDEWALK
TYPE 2-D CURB RAMP
D.N.D. SHED
WOOD BUILDING
PERM. UTILITY ESMT.
STA 1+20.54
OFF 4.39' RT.
D.N.D. SHED
STA. 1+78.75 ℄ (CIRCULATORY ROADWAY)=
STA. 0+70.00 ℄ (MAIN STREET)
NEW R/W
STA. 5+49.69 ℄ (CEDAR STREET)=
STA. 2+04.96 ℄ (CIRCULATORY ROADWAY)
STA. 2+96.79 ℄ CIRCULATORY ROADWAY
BEGIN PIPE AGGREGATE PAVEMENT EDGE DRAIN
NW1/4 SW1/4 1-27N-22W
INLET 505T1
S.L.
TYPE 2-B CURB RAMP
TEMP. CONST. ESMT.
TENNIS COURT
POOL
(7)
MEISNER, GARY AND TAMMY
SEE SHEET 14

SEE SHEETS 13-18 FOR RIGHT OF WAY DETAILS
SEE SHEETS 80-91 FOR DRAINAGE DETAILS

LEGEND
8" CONCRETE MEDIAN
9" TINTED RED TRUCK APRON

SCALE
0 20 40 60

R 500'
89.56°
100.29°
90.93°
79.22°
STA 0+90.00
OFF 0.00' RT.
℄ MAIN STREET
℄ ROUTE CC
NORTH INLET 80S1
℄ CEDAR STREET
3' ROLL BACK CURB & GUTTER
6" INTEGRAL CURB TYPE A
1/4 SECTION LINE
1/4 1/4 SECTION LINE
S01°27'23"W
R 100'
CEDAR ST.
EXIST. SIGHT DISTANCE ESM'T
EXIST. EOP
TRUCK APRON
EXIST. SANITARY SEWER ESMT.
EXIST. R/W
EXIST. R/W LINE
S89°15'11"E
(R)

PLAN SHEET
SHEET 2 OF 9

Jonathan W. Peitz
2024.08.09 09:04:08 -05'00'
STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER
JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

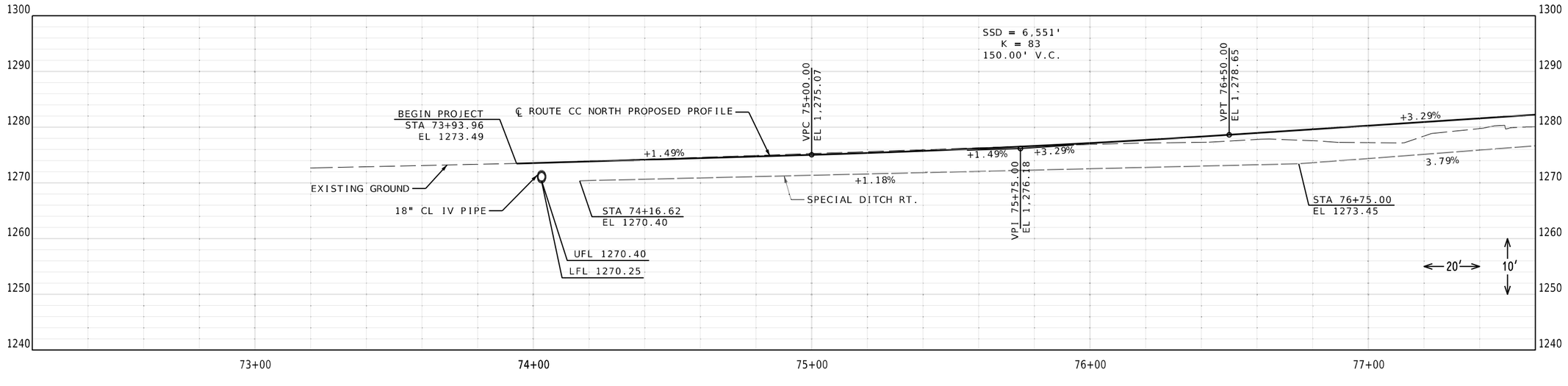
DATE PREPARED 8/9/2024
ROUTE CC | STATE MO
DISTRICT SW | SHEET NO. 5
COUNTY CHRISTIAN
JOB NO. J8S0736F
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

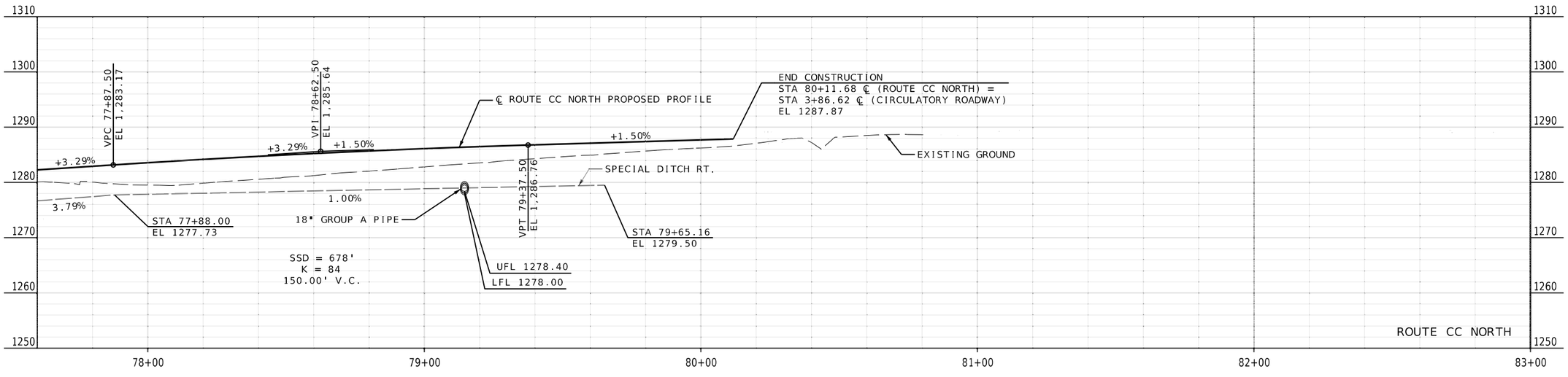
DATE	DESCRIPTION

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

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

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF AUTHORITY NO. 001592





PROFILE SHEET
SHEET 3 OF 9

Jonathan W. Peitz
2024.08.09 08:44:19 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	6

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

F:\2022\01501-02000\022-01597\40-Design\Microstation\J8S0736F\plan_sheets\4 Plan Profile\006_PP_03_J8S0736F_I20.dgn 4:33:17 PM 8/9/2024

NE 1/4 SW 1/4
1-27N-22W

6
CC/MAIN PROPERTIES, LLC
SEE SHEET 14

8
TELCOMM CREDIT UNION
SEE SHEET 14

FAITH WORKS
UNLIMITED LLC

WINONA WAY

EXIST. 10' UTILITY ESM'T

EXIST. 30' ACCESS ESMT.

EXIST. 10' UTILITY ESM'T

PI 2+86.70
PC 2+29.87
PT 3+43.26
Δ 9°37'27.6" (LT)
D 8°29'17.7"
L 113.38' (ARC)
T 56.83'
R 675.00'

SAWCUT

R 50'

TEMP. CONST. ESMT

2.5' CONC. SPILL C&G

OBLITERATE

PERM. UTILITY ESM'T

EXIST. 10' UTILITY ESMT.

D.N.D.

R 35'

PC STA 2+29.87

INSTALL 110 LF. CONSTRUCTION FENCING

SAWCUT

TEMP. CONST. ESMT.

MODIFIED TYPE S CURB

+90.09 21.00'

+18.09 24.00'

PT STA 3+43.26

5' SIDEWALK

2' CONC. C&G

+75.00 24.00'

EXIST. 10' UTILITY ESM'T

EXIST. CITY OF NIXA R/W

MATCHLINE STA. 1+75.00

EXIST. R/W

(R)

S11°18'19"W

MODOT R/W

EOP

NEW R/W

MATCH CITY OF NIXA JOB NO. JSU0216

EXIST. EOP

MAIN STREET S01°40'51"W
S01°39'26"W

END STA 5+66.37

1/4 1/4 SECTION LINE

C&G

EOP

CITY OF NIXA R/W

EXIST. EOP

END CONSTRUCTION 3+74.73

STA. 5+66.37 ℄ MAIN STREET =
STA. 86+40.90, 0.53' LT.
℄ EXIST. ROUTE CC NORTH

(R)

SIDEWALK

EXIST. R/W

NEW R/W

R 225'

+00.44 21.00'

TEMP. CONST. ESMT.

+90.09 21.00'

+18.09 24.00'

+75.00 24.00'

D.N.D. SHED

EXIST. 22.5' SANITARY SEWER ESMT.

ADJUST EXIST. MANHOLE

D.N.D. TENNIS COURT

S.L.

216 CY 2' THICK TYPE II ROCK BLANKET

REMOVE VEGETATION AS NEEDED FOR GRADING

2' CONC. C&G

PERM. UTILITY ESM'T

PERM. SLOPE ESMT.

7
MIESENER, GARY AND TAMMY
SEE SHEET 14

9
JONATHAN M. AND TAMMY D. KING
SEE SHEET 15

D.N.D. SINKHOLE

NW1/4 SW1/4
1-27N-22W

LEGEND
8" CONCRETE MEDIAN
9" TINTED RED TRUCK APRON

SCALE
0 20 40 60

SEE SHEETS 13-18 FOR RIGHT OF WAY DETAILS

SEE SHEETS 80-91 FOR DRAINAGE DETAILS

PLAN SHEET
SHEET 4 OF 9

Jonathan Peitz
2024.08.09
10:09:24 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	7

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

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

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

F:\2022\01501-02000\022-01597\40-Design\Microstation\J8S0736F\plan_sheets\4 Plan Profile\007_PP_04_J8S0736F_120.dgn 4:33:20 PM 8/9/2024

LEGEND
8" CONCRETE MEDIAN
9" TINTED RED TRUCK APRON

SEE SHEETS 13-18 FOR RIGHT OF WAY DETAILS

SEE SHEETS 80-91 FOR DRAINAGE DETAILS

SW1/4 NW1/4
1-27N-22W

(10)
MARVEL ADVENTURE PROPERTIES LLC
SEE SHEET 16

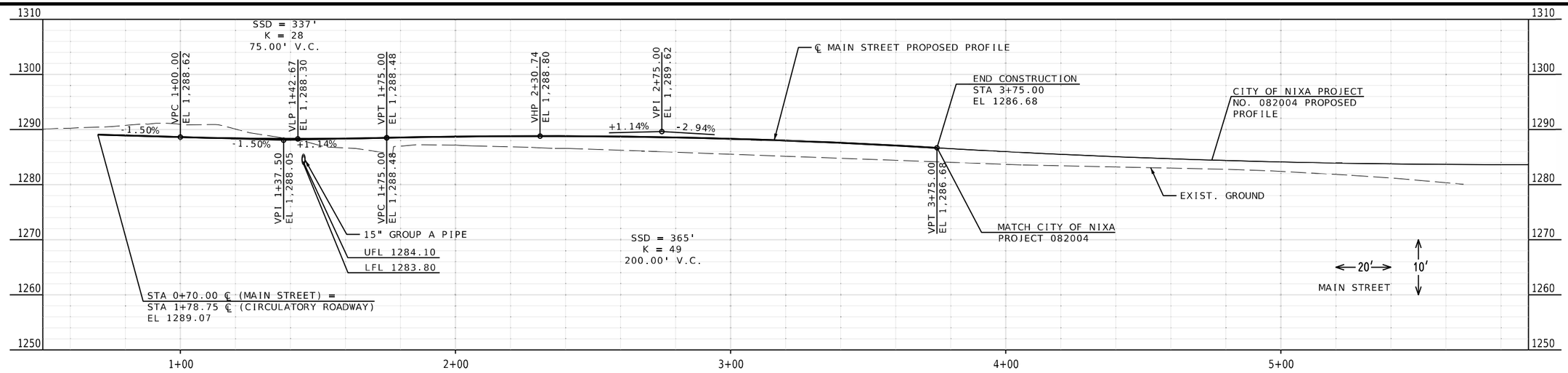
(5)
B & B SQUARE, INC.
SEE SHEET 13

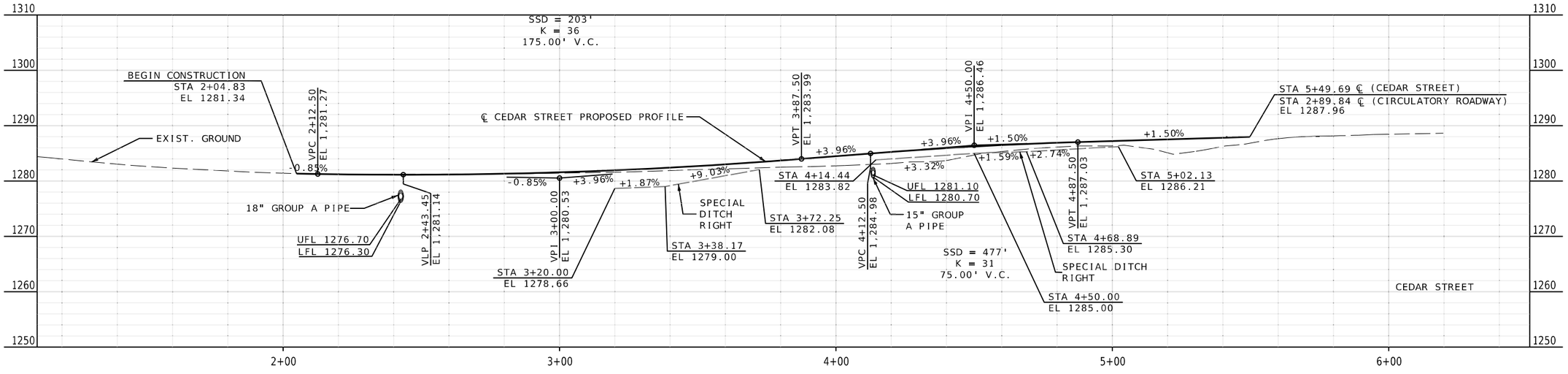
EXIST. R/W
EXIST. UTILITY ESM'T
TYPE III DRIVEWAY STA. 3+07.00 LT WIDTH = 24.0' GRADE = 6.00% CONCRETE SURFACE
TYPE III DRIVEWAY STA. 3+57.00 LT WIDTH = 34.5' GRADE = 5.70% CONCRETE SURFACE
TEMP. CONST. ESM'T
SAWCUT
MODIFIED TYPE S CURB
INLET 242S1
EOP
S.L.
D.N.D.
GRADE TO DRAIN
INLET 413T1
NEW R/W
EXIST. R/W
OBLITERATE
GRADE TO DRAIN
C&G
PG STA 2+10.95
PT STA 4+36.83
STA 5+29.69 OFF 0.00' LT.
STA 4+74.16 OFF 0.00' RT.
3+65.79
CEDAR STREET
N89°17'33"E
BEGIN CONSTRUCTION STA 2+04.83
CITY R/W
SAWCUT
EOP
EXIST. R/W
NEW R/W
1/4 SECTION LINE
FES 243F1
12'L X 4'W X 1'D = 2 CY ROCK LINING
DRAINAGE ESMT.
4 CY ROCK LINING
FES 338F1
DRAINAGE ESMT.
D.N.D. SINKHOLE
LOCATION IS APPROXIMATE
D.N.D. WETLANDS
LOCATION IS APPROXIMATE
INLET 413T2
INLET 413S1
S.L.
TEMP. CONST. ESM'T.
(D.N.D.)
PROPOSED ROADWAY CROWN SHIFT
STA 4+99.16
OFF 4.55' LT.
TYPE I DRIVEWAY STA. 3+90.00 RT WIDTH = 16.0' GRADE = 4.49% 15"X68' GROUP C PIPE 1-15" GROUP C F.E.S. CONCRETE SURFACE
MH 79MH1
STA. 0+70.00 ℄ (MAIN STREET)=
STA. 1+78.75 ℄ (CIRCULATORY ROADWAY)
INLET 117T1
D.N.D. SHED
SWIMMING POOL (D.N.D.)
POOL
INLET 138T1
TENNIS COURT (D.N.D.)
TENNIS COURT
D.N.D. SHED
PROPOSED ROADWAY CROWN SHIFT. SEE SHEET 5.
PERM. UTILITY ESM'T
OBLITERATE
5' SIDEWALK
C&G
EOP
INLET 505T1
S.L.
EXIST. R/W
NEW R/W
R 225'
R 100'
R 90'
R 1188'
R 512'
R 1212'
R 983.5'
R 488'
R 690'
R 300'
R 325'
R 1000'
R 20'
R 10'
R 15'
R 12'
PI 3+24.37
PC 2+10.95
PT 4+36.83
Δ 12°56'32.0" (RT)
D 5°43'46.5"
L 225.88' (ARC)
T 113.42'
R 1,000.00'
SCALE
0 20 40 60

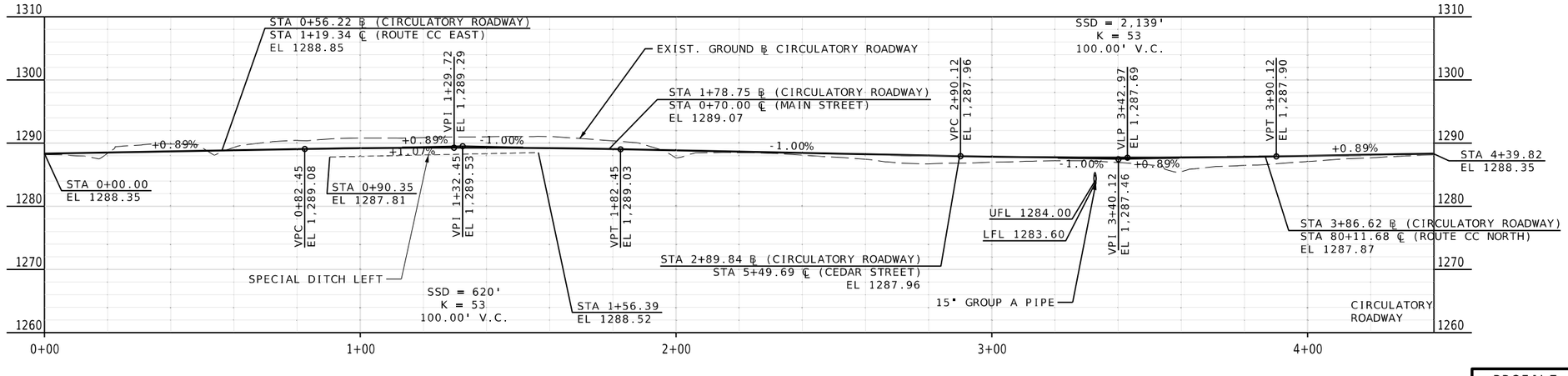
NW1/4 SW1/4
1-27N-22W
(9)
JONATHAN M. AND TAMMY D. KING
SEE SHEET 16

(7)
MIESENER, GARY & TAMMY
SEE SHEET 14

OBLITERATE
PROPOSED ROADWAY CROWN SHIFT. SEE SHEET 5.
S.L.
EXIST. R/W
1/4 SECTION LINE
+75.72
142.77'
5' SIDEWALK
EOP
C&G
(R)
EOP
C&G
℄ ROUTE CC NORTH
INLET 79T3
5' SIDEWALK
STA. 80+11.68 ℄ (ROUTE CC NORTH)=
STA. 3+86.62 ℄ (CIRCULATORY ROADWAY)
STA. 6+19.69 ℄ (CEDAR STREET)=
STA. 0+00.00 ℄ (MAIN STREET)
STA. 0+49.34 ℄ (ROUTE CC EAST)
STA. 80+81.68 ℄ (ROUTE CC NORTH)
STA. 5+49.69 ℄ (CEDAR STREET)=
STA. 2+89.84 ℄ (CIRCULATORY ROADWAY)
PERMANENT ELECTRIC EASEMENT
MH 549MH1
TEMP. CONST. ESM'T
SAWCUT
INLET 504T1
EXIST. SIGHT DIST. ESMT.
EXIST. SANITARY SEWER ESMT.
EXIST. ELEC.ESMT.
EXIST. R/W
STA 6+19.69
℄ ROUTE CC EAST
℄ CEDAR STREET
S77°45'55"E
79.22°
89.56°
90.93°
100.29°
EXIST. R/W
EXIST. LANDSCAPE AND UTILITY ESMT.
6" INTEGRAL CURB TYPE A
℄ MAIN STREET
EXIST. R/W
EXIST. SANITARY SEWER ESMT.
3' ROLL BACK CURB & GUTTER
EXIST. UTILITY ESMT.
1/4 SECTION LINE
NEW R/W
EXIST. R/W
EOP
C&G
R 225'
R 225'
R 225'
R 90'
R 100'
R 225'
R 225'
R 225







PROFILE SHEET
SHEET 6 OF 9

Jonathan Peitz
2024.08.09 11:37:31 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	9

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

F:\2022\01501-02000\022-01597\40-Design\Microstation\J8S0736F\plan_sheets\4 Plan Profile\009_PP_06_J8S0736F_I20.dgn 4:33:30 PM 8/9/2024

LEGEND
8" CONCRETE MEDIAN
9" TINTED RED TRUCK APRON

SEE SHEETS 13-18 FOR RIGHT OF WAY DETAILS
SEE SHEETS 80-91 FOR DRAINAGE DETAILS

SE1/4 NW1/4 1-27N-22W

(1) MERCHANTS FIELD, L.L.C. SEE SHEET 13

(5) MATCHLINE STA. 5+89.34

(6) CC/MAIN PROPERTIES, LLC SEE SHEET 14

(11) MO CLC PROPERTIES, LLC SEE SHEET 17

℄ ROUTE CC EAST
℄ ROSEWOOD LANE
ROUTE CC
ROSEWOOD LANE
1/4 SECTION LINE
NEW R/W
EXIST. R/W
EXIST. CITY R/W
EXIST. SANITARY SEWER ESMT.
PERM. SANITARY SEWER ESMT.
EXIST. SIGHT DISTANCE ESMT.
EXIST. ELECTRIC ESMT.
PERMANENT ELECTRIC EASEMENT
PERMANENT 20' UTILITY EASEMENT
PERMANENT 15' UTILITY EASEMENT
PERM. UTILITY ESMT.
TEMPORARY CONSTRUCTION EASEMENT
EXIST. LANDSCAPE AND UTILITY ESMT.
EXIST. 10' UTILITY ESM'T
EXIST. 15' UTILITY ESM'T
EXIST. 20' UTILITY ESM'T
PROPOSED ROADWAY CROWN SHIFT. SEE SHEET 5.
PROPOSED ROADWAY CROWN SHIFT
SIDEWALK
3' ROLL BACK CURB & GUTTER
6" INTEGRAL CURB TYPE A
TYPE A GUTTER
D.N.D.
D.N.D. LIGHT POLE
D.N.D LANDSCAPING
D.N.D. SIGN
OBLITERATE
S.L.
SAWCUT
2' CONC. C&G
C&G
NIXA 2.5' CONC. C&G
TEMP. CONST. ESMT.
PAVED APPROACH (8") STA. 4+33.54 LT WIDTH = 41.0' GRADE = 1.00% EXIST. GRADE = 7.52% CONCRETE SURFACE
12'L X 4'W X 1'D = 2 CY ROCK LINING
EOP
EXIST. EOP
EOS
INLET 79T1
INLET 79T2
INLET 79T4
INLET 214T1
INLET 187T1
INLET 232T1
INLET 257T1
INLET 369T1
INLET 581T1
INLET 230T1
INLET 307T1
INLET 383T1
INLET 213T1
INLET 230S1
INLET 163T1
INLET 110D1
STA 0+00.00 ℄ (ROSEWOOD LANE)= STA. 4+31.38 ℄ (ROUTE CC EAST)
STA 1+39.34 OFF 0.00' RT.
STA 0+49.34
STA 3+13.04 OFF 0.00' RT. S88°58'48"E
STA 2+67.04 OFF 7.95' RT.
STA 1+69.63 OFF 13.14' RT.
STA 1+19.34 ℄ (ROUTE CC EAST)= STA. 0+56.22 ℄ (CIRCULATORY ROADWAY)
STA. 0+49.34 ℄ (ROUTE CC EAST)= STA. 80+81.68 ℄ (ROUTE CC NORTH)
END CONSTRUCTION STA 1+53.49
NE1/4 SW1/4 1-27N-22W
S01°27'23"W
S01°01'12"W
R 150'
R 90'
R 70'
R 100'
R 225'
R 500'
R 25'
R 23'
R 1212'
89.56°
90°
+95.60 40.73'
+45.36 27.00'
+88.04 27.00'
+88.38 28.00'
+40.15 26.00'
+17.12 66.20'
+79.04 27.00'
+78.38 28.00'
+74.55 26.00'
+74.55 30.00'
+70.62 22.00'
+43.53 22.50'
+53.49 22.00'
+53.49 22.15'
SCALE 0 20 40 60

Jonathan Peitz 2024.08.09 13:33:16 -05'00'
STATE OF MISSOURI
JONATHAN W. PEITZ NUMBER PE-2017019023
PROFESSIONAL ENGINEER
JONATHAN W. PEITZ-CIVIL ENGINEER MO# PE-2017019023

DATE PREPARED 8/9/2024
ROUTE CC | STATE MO
DISTRICT SW | SHEET NO. 10
COUNTY CHRISTIAN
JOB NO. J8S0736F
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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF AUTHORITY NO. 001592

PLAN SHEET
SHEET 7 OF 9

(1)
MERCHANTS FIELD, L.L.C.
SEE SHEET 13

SE1/4 NW1/4
1-27N-22W

(12)
160+CC, LLC
SEE SHEET 18

SEE SHEETS 13-18 FOR
RIGHT OF WAY DETAILS

SEE SHEETS 80-91
FOR DRAINAGE DETAILS

EXIST 15'
GAS ESMT.

EXIST. 15'
TELEPHONE
ESMT.

PAVED APPROACH (8")
STA. 6+28.80 LT
WIDTH = 41.0'
GRADE = 6.65%
EXIST. GRADE = 7.10%
REMOVE EXIST. 15" C.M.P.
15" X 77' GR. A PIPE
1-15" GROUP A F.E.S.
1-3X2.5' TYPE T INLET

STA. 8+12.46
℄ ROUTE CC EAST
SKEW 4°49'12" RA
34"X53"X71' ELLIPTICAL RCP (34"X53")
1-34"X53" ELLIPTICAL F.E.S.
SEE STD PLAN 609.70,
726.30, & 732.00

!!!CAUTION!!! EXIST. WATERLINE
(APPROXIMATE LOCATION)

PERMANENT ELECTRIC
EASEMENT

TEMP. CONST.
ESMT.

EXIST. ELECTRIC
ESMT.

FES 588F1

12'L X 4'W X 1'D =
2 CY ROCK LINING

NEW R/W

D.N.D.
LIGHT
POLE

SAWCUT

S.L.

14'L X 20'W X 2'D =
28 CY ROCK LINING

FES 808F1

EXIST. R/W

PT STA 9+58.84

END STA 10+25.00

EXIST. 10' ELECTRIC ESMT.

MATCHLINE STA. 5+89.34

PC STA 7+00.38

R 25'

EOP

EOS

22.80'
+74.30

22.80'
+82.65

16.00'
+74.52

12.00'
+74.29

R 8012'

+41.66
16.00'

+81.66
11.09'

STA 10+25.00 ℄ ROUTE CC EAST
STA 10+25.00 ℄ EXIST. ROUTE CC EAST
OFFSET 1.75' LT.

S87°07'44"E

S88°58'48"E

℄ ROUTE CC EAST

1/4 SECTION LINE

EXIST. ℄ ROUTE CC EAST

ROUTE CC EAST

END PROJECT
STA 9+81.66

R 1188'

R 1212'

23.47'
+00.43

19.49'
+00.01

INLET 815S1

+44.64
16.00'

+44.64
12.00'

R 7988'

+41.66
16.00'

+81.66
11.24'

EXIST. CITY R/W

CP 5069

NEW R/W

EXIST. 15'
UTILITY ESM'T

PERMANENT 15'
UTILITY EASEMENT

PI 8+29.62
PC 7+00.38
PT 9+58.84
Δ 1°51'4.0" (RT)
D 0°42'58.3"
L 258.46' (ARC)
T 129.24'
R 8,000.00'

(11)
MO CLC PROPERTIES, LLC
SEE SHEET 17

NE1/4 SW1/4
1-27N-22W

SCALE
0 20 40 60

PLAN SHEET
SHEET 8 OF 9

Jonathan Peitz
2024.08.09 13:33:39 -05'00'
STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER
JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	11

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

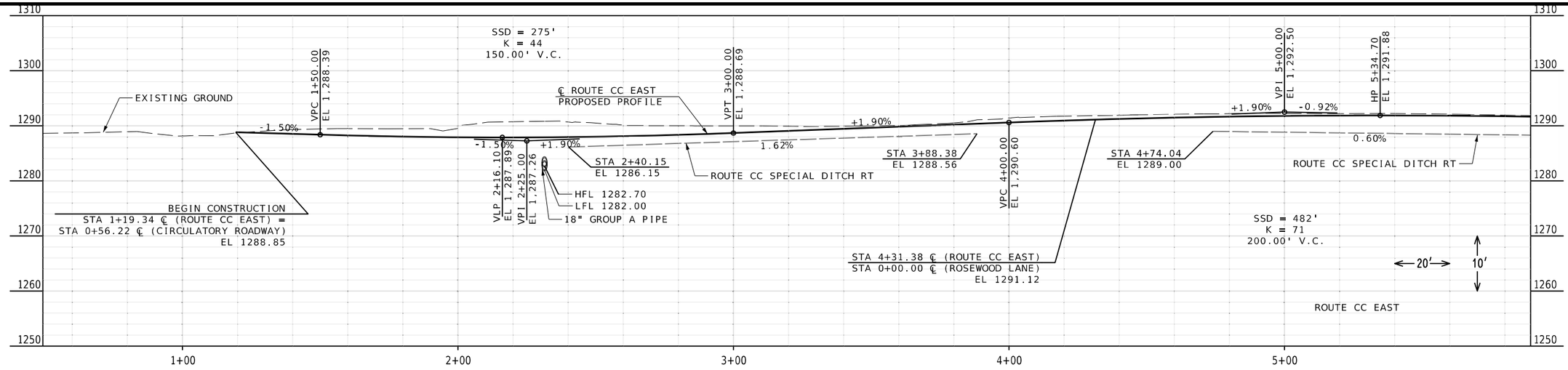
DATE	DESCRIPTION

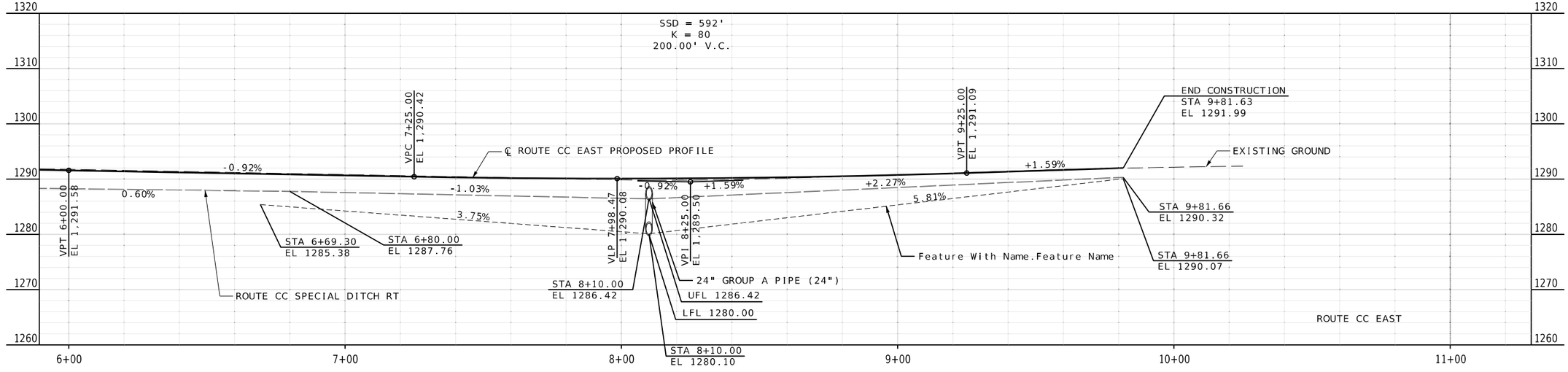
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

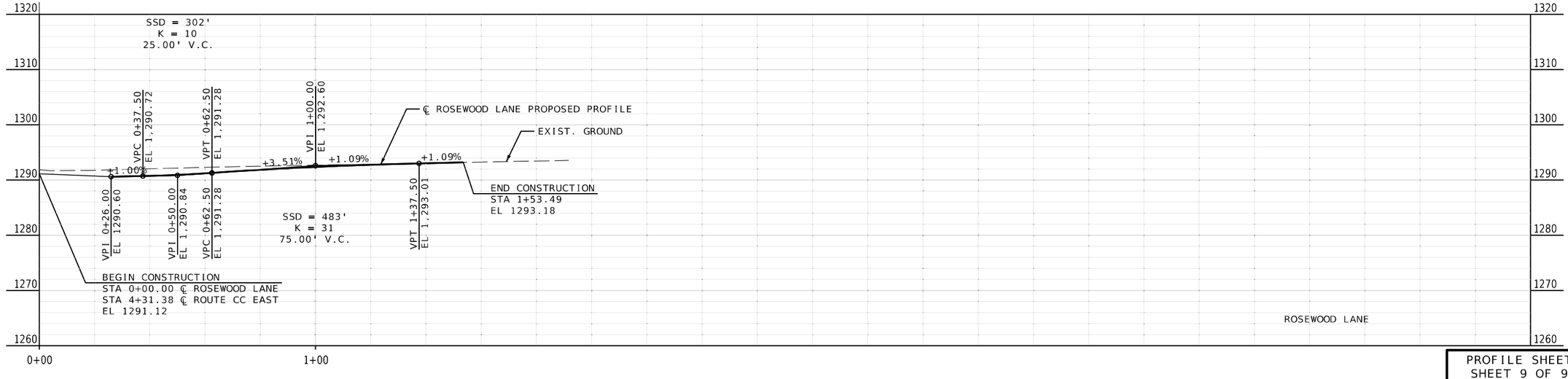
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

F:\2022\01501-02000\022-01597\40-Design\Microstation\J8S0736F\plan_sheets\4 Plan Profile\011_PP_08_J8S0736F_l20.dgn 4:33:39 PM 8/9/2024







PROFILE SHEET
SHEET 9 OF 9

Jonathan Peitz
2024.08.06 16:06:41 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	12

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

SEE SHEETS 80 TO 92 FOR DRAINAGE DETAILS
SEE SHEETS 4 TO 12 FOR ROADWAY DETAILS

PLUMMER, DAVID
NO ACQUISITION

SE1/4 NW1/4
1-27N-22W

99.29'
+00.52
309.92'
304.12'
+24.83
121.09'
+90.72
194.81'
223.76'
308.07'
261.78'
+62.35
159.98'
129.35'

TEMPORARY CONSTRUCTION EASEMENT

TYPE III DRIVEWAY
STA. 74+69.00 LT
WIDTH = 31.0'
GRADE = 1.40%
EXISTING GRADE = 4.11%
ASPHALT SURFACE

PERMANENT DRAINAGE EASEMENT

TEMPORARY CONSTRUCTION EASEMENT

PAVED APPROACH (8")
STA. 77+54.00 RT
WIDTH = 31.0'
GRADE = 2.00%
EXISTING GRADE = 7.91%
18"X60' GROUP C PIPE
2-18" GROUP C F.E.S.

① MERCHANTS FIELD, L.L.C.
17,332 SF NEW FULLY CONTROLLED ACCESS R/W
11,706 SF NEW NORMAL R/W
52,687 SF PERM. ESM'T
51,211 SF TEMP. ESM'T.
9.3 AC REMAINING ACCESS RIGHTS

EXISTING 20' WATERMAIN EASEMENT

START 73+20.00

+93.17
48.25'
+92.68
31.00'
+92.61
28.25'
+26.27
31.00'
PC STA 74+26.27
17.26'
2.75'
33.59'
134.84'
29.38'
+64.66
PT STA 76+45.63
31.86'
+45.63
PC STA 77+00.36
31.73'
+00.36
326.72'
361.09'
NEW R/W
MATCHLINE STA. 77+60.00

EXISTING R/W
¼¼ SECTION LINE
BEGIN PROJECT
STA 73+93.96
S01°27'23"W ℄ ROUTE CC NORTH
S09°01'02"E

STA. 73+20.00 ℄ ROUTE CC NORTH=
STA. 73+20.00 ℄ EXIST. ROUTE CC NORTH
OFFSET 1.75' LT.

LAND SURVEY 1" PIPE
NORTHWEST CORNER SECTION 1-T27N-R22W
DOCUMENT NO. 600-27976
2294.30' S33°24'08" TO BEGINNING OF PROJECT

PROJECT BEGINS AT A POINT APPROX.
1915.35' SOUTH AND 1263.04' EAST
OF THE NW CORNER OF SEC. 1-T27N-R22W

+26.90
31.75'
+02.37
31.75'
27.75'
14.10'
0.29'
D.N.D.
+26.27
45.84'
+26.55
45.85'

TYPE I DRIVEWAY
STA. 74+49.68 RT
WIDTH = 16.0'
GRADE = 9.87%
EXISTING GRADE = 11.96%
24"X 35' GR. C PIPE
2-24" GROUP C F.E.S.
CONCRETE SURFACE

OBLITERATE
(R)
D.N.D.
199.87'
NEW R/W
EXIST. 10' UTILITY ESMT.

TYPE I DRIVEWAY
STA. 76+45.00 RT
WIDTH = 18.0'
GRADE = 4.00%
EXISTING GRADE 13.34%
18"X 26' GROUP C PIPE
2-18" GROUP C F.E.S.
CONCRETE SURFACE

+20.00
86.47'
+16.80
65.70'
18.04'
31.04'
+45.63
71.38'
68.93'
+00.36
84.58'
65.73'
+18.50
22.12'
32.96'
+13.83
87.43'
+11.47
98.05'

③ HAMACHER, MICHAEL J & KAREN S
3213 SF NORMAL R/W
0.8 AC REMAINING

④ POSTMA, LAURA A & GEORGE L (TRUST)
1975 SF NORMAL R/W
0.4 AC REMAINING

⑤ B & B SQUARE, INC.
SEE SHEET 14
TEMPORARY CONSTRUCTION EASEMENT

② EOFF, BRINDA
175 SF NEW R/W
1.8 AC REMAINING

SW1/4 NW1/4
1-27N-22W

SCALE
0 20 40 60

RIGHT OF WAY SHEET
SHEET 1 OF 6

Jonathan W. Peitz
2024.08.09 16:55:11 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	13

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF AUTHORITY NO. 001592

OBLITERATE

SE1/4 NW1/4
1-27N-22W

TEMPORARY CONSTRUCTION EASEMENT

65.00'
103.66'
+14.58
189.23'
+28.43
78.05'
113.63'
+14.94
85.57'
78.82'
82.40'
32.44'

1

MERCHANTS FIELD, L.L.C.
SEE SHEET 13

PAVED APPROACH (8")
STA. 77+83.00 LT
WIDTH = 26.0'
GRADE = 1.97%
EXISTING GRADE = 2.20%

134.25'
+94.96
151.06'
+02.91
223.76'
22.65'
308.07'
117.90'
+88.97

TEMPORARY CONSTRUCTION EASEMENT

PERMANENT DRAINAGE EASEMENT

142.69'
130.74'

PERMANENT ELECTRIC EASEMENT

+83.89
76.17'
+79.47
66.82'
117.55'
54.04'
58.70'

10' SANITARY SEWER ESM'T

+38.34
64.57'
+37.95
80.09'
+42.54
110.96'
+34.56
104.61'
60.80'
64.32'
+05.24
62.28'
+16.09
64.25'
+19.39
54.69'
153.53'
11.03'
+85.79
48.54'
+90.47
49.42'
42.56'
+50.00

EXIST. R/W

ROUTE CC

℄ ROUTE CC NORTH

S01°27'23"W

+35.20
69.55'
+19.97
48.93'
+34.65
51.58'
+19.99
62.56'
+49.34
64.98'
+49.34
87.48'
+49.34
72.53'
+49.34
71.65'
+49.34
98.40'
+49.34
87.79'

EXISTING SANITARY SEWER ESM'T

EXISTING ELECTRIC ESM'T

EXIST. SIGHT DISTANCE ESM'T

EXIST. R/W

EXIST. R/W

EXIST. R/W

6
CC/MAIN PROPERTIES, LLC
SEE SHEET 14

EXIST. 30' ACCESS ESMT.
EXIST. 10' UTILITY ESM'T
EXIST. 10' UTILITY ESM'T

8
TELCOMM CREDIT UNION
760 SF NEW MODOT FULLY CONTROLLED ACCESS R/W
570 SF NEW CITY OF NIXA NORMAL R/W
1,070 SF PERM. ESM'T
2,038 SF TEMP. ESM'T.
1.0 AC REMAINING

NE 1/4 SW 1/4
1-27N-22W

PI 2+86.70
PC 2+29.87
PT 3+43.26
Δ 9°37'27.6" (LT)
D 8°29'17.7"
L 113.38' (ARC)
T 56.83'
R 675.00'

TEMP. CONST. ESMT.
PERMANENT UTILITY EASEMENT
OBLITERATE
EXIST. 10' UTILITY ESM'T.
EXIST. SANITARY SEWER ESMT.
EXIST. 10' UTILITY ESM'T
EXIST. CITY OF NIXA R/W
WINONA WAY
EXIST. CITY OF NIXA R/W
EXIST. 10' UTILITY ESM'T
FAITH WORKS UNLIMITED LLC
NO ACQUISITION
TEMP. CONST. ESMT.
PERMANENT UTILITY EASEMENT
EXIST. CITY OF NIXA R/W
NEW R/W
EXIST. R/W
EXIST. 10' UTILITY ESMT.
MATCH CITY OF NIXA JOB NO. 082004
MAIN STREET
℄ MAIN STREET
S01°40'51"W
¼¼ SECTION LINE
END PROJECT STA 3+75.00
MATCHLINE STA. 01+75.00
MODOT R/W
CITY OF NIXA R/W
PC STA 2+29.87
PT STA 3+43.26
END STA 5+66.37
S11°18'19"W
OBLITERATE
EXIST. R/W
NEW R/W
EXIST. R/W
BUILDING
WOOD BUILDING
TENNIS COURT
POOL
TEMPORARY CONSTRUCTION EASEMENT
PERMANENT UTILITY EASEMENT
EXIST. 22.5' SANITARY SEWER ESMT.
TEMPORARY CONSTRUCTION EASEMENT
PERMANENT SLOPE EASEMENT
PERMANENT UTILITY EASEMENT
EXIST. 22.5' SANITARY SEWER ESM'T
APPROXIMATE SINKHOLE

7
MIESENER, GARY AND TAMMY
SEE SHEET 14

NW1/4 SW1/4
1-27N-22W

APPROXIMATE SINKHOLE
D.N.D. SINKHOLE

9
JONATHAN M. AND TAMMY D. KING
2,182 SF NEW MODOT NORMAL R/W
219 SF NEW CITY OF NIXA NORMAL R/W
10,438 SF PERM. ESM'T
190 SF TEMP. ESM'T
8.1 AC REMAINING
ACCESS RIGHTS

SEE SHEETS 80 TO 92 FOR DRAINAGE DETAILS
SEE SHEETS 4 TO 12 FOR ROADWAY DETAILS

SCALE
0 20 40 60

RIGHT OF WAY SHEET
SHEET 3 OF 6

Jonathan W. Peitz 2024.08.09 09:41:19 -05'00'
STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER
JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	15

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF AUTHORITY NO. 001592

F:\2022\01501-02000\022-01597\40-Design\Microstation\J8S0736F\plan_sheets\5 Right of Way\015_RW_03_J8S0736F_I20.dgn 4:33:59 PM 8/9/2024

SEE SHEETS 80 TO 92 FOR DRAINAGE DETAILS
SEE SHEETS 4 TO 12 FOR ROADWAY DETAILS

SW1/4 NW1/4
1-27N-22W

(10)
MARVEL ADVENTURE PROPERTIES LLC
2355 SF NEW NORMAL R/W
812 SF TEMP. ESM'T.
1.3 AC REMAINING

EXIST. ESM'T

CURVE ROUND-01		CURVE ROUND-02	
PI	UNDEFINED	PI	UNDEFINED
Δ	180°0'0" (RT)	Δ	180°0'0" (RT)
D	81°51'4.0"	D	81°51'4.0"
T	UNDEFINED	T	UNDEFINED
L	219.91'	L	219.91'
R	70.00'	R	70.00'
PC	0+00.00	PCC	2+19.91
PCC	2+19.91	PT	4+39.82

(5)
B & B SQUARE, INC.
SEE SHEET 14

OBLITERATE
EXIST. R/W
1/4 SECTION LINE
PERMANENT ELECTRIC EASEMENT
STA. 0+00.00 ℄ (MAIN STREET)=
STA. 6+19.69 ℄ (CEDAR STREET)=
STA. 80+81.68 ℄ (ROUTE CC NORTH)=
STA. 0+49.34 ℄ (ROUTE CC EAST)
TYPE III DRIVEWAY
STA. 3+07.00 LT
WIDTH = 24.0'
GRADE = 6.00%
CONCRETE SURFACE
TYPE III DRIVEWAY
STA. 3+57.00 LT
WIDTH = 34.5'
GRADE = 5.70%
CONCRETE SURFACE
TEMP. CONST. ESM'T
PT STA 4+36.83
EXIST. SIGHT DISTANCE ESMT.
EXIST. SANITARY SEWER ESMT.
EXISTING ELECTRIC EASEMENT
EXIST. R/W
℄ ROUTE CC NORTH
S01°27'23"W
℄ MAIN STREET
S11°18'19"W
℄ CEDAR STREET
℄ ROUTE CC EAST
STA 80+81.68
STA 0+00.00
STA 6+19.69
PC STA 2+10.95
CITY R/W
MODOT R/W
NEW R/W
EXIST. R/W
N89°17'33"E
S77°45'55"E
1/4 SECTION LINE
APPROXIMATE SINKHOLE
PERMANENT DRAINAGE EASEMENT
APPROXIMATE SINKHOLE
PERMANENT DRAINAGE EASEMENT
TEMPORARY CONSTRUCTION EASEMENT
TYPE I DRIVEWAY
STA. 3+90.00 RT
WIDTH = 16.0'
GRADE = 4.49%
ASPHALT SURFACE
POOL
TENNIS COURT
WOOD BUILDING
PERMANENT UTILITY EASEMENT
TEMPORARY CONSTRUCTION EASEMENT
OBLITERATE

(9)
JONATHAN M. AND TAMMY D. KING
SEE SHEET 15

(7)
MIESENER, GARY & TAMMY
SEE SHEET 14

APPROXIMATE WETLANDS

PI	3+24.37
PC	2+10.95
PT	4+36.83
Δ	12°56'32.0" (RT)
D	5°43'46.5"
L	225.88' (ARC)
T	113.42'
R	1,000.00'

SCALE
0 20 40 60

NW1/4 SW1/4
1-27N-22W

RIGHT OF WAY SHEET
SHEET 4 OF 6

Jonathan W. Peitz, PE-2017019023, State of Missouri
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER
JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED 8/9/2024
ROUTE CC | STATE MO
DISTRICT SW | SHEET NO. 16
COUNTY CHRISTIAN
JOB NO. J8S0736F
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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF AUTHORITY NO. 001592

F:\2022\01501-02000\022-01597\40-Design\Microstation\J8S0736F\plan_sheets\5 Right of Way\016_RW_04_J8S0736F_I20.dgn 4:34:06 PM 8/9/2024

SEE SHEETS 80 TO 92 FOR DRAINAGE DETAILS
SEE SHEETS 4 TO 12 FOR ROADWAY DETAILS

SE1/4 NW1/4
1-27N-22W

℄ ROUTE CC NORTH

TEMP. CONST. ESMT.
PI 0+00.00
PC 0+00.00
PT 0+00.00
Δ 359°59'57.1" (RT)
D 81°51'4.0"
L 439.82' (ARC)
T 0.00'
R 70.00'

PERM. SANITARY SEWER EASEMENT
PERMANENT ELECTRIC EASEMENT
EXIST. ELECTRIC ESMT.
OBLITERATE
NEW R/W
EXIST. SIGHT DISTANCE ESM'T
EXIST. SANITARY SEWER ESM'T
START STA 0+00.00
END STA 4+39.82
EXIST. R/W
PERMANENT ELECTRIC EASEMENT
PAVED APPROACH (8")
STA. 4+33.54 LT
WIDTH = 41.0'
GRADE = 1.00%
EXIST. GRADE = 7.52%
CONCRETE SURFACE
TEMP. CONST. ESM'T
EXIST. R/W
EXIST. R/W
(R) STA. 4+31.38 ℄ (ROUTE CC EAST)=
STA. 0+00.00 ℄ (ROSEWOOD LANE)
1/4 SECTION LINE
ROUTE CC
℄ ROUTE CC EAST
S88°58'48"E
EXIST. R/W
EXIST. MODOT R/W
℄ ROSEWOOD LANE
90°0'0"
EXIST. LANDSCAPE AND UTILITY ESM'T
EXIST. CITY R/W
EXIST. 15' UTILITY ESM'T
PERMANENT 20' UTILITY EASEMENT
NEW R/W
NEW R/W
EXIST. SANITARY SEWER ESMT.
PERMANENT 20' UTILITY EASEMENT
S01°01'12"W
TEMPORARY CONSTRUCTION EASEMENT
PERMANENT UTILITY EASEMENT
STA. 0+49.34 ℄ (ROUTE CC EAST)=
STA. 80+81.68 ℄ (ROUTE CC NORTH)=
STA. 6+19.69 ℄ (CEDAR STREET)=
STA. 0+00.00 ℄ (MAIN STREET)
PERMANENT UTILITY ESMT.
SEE SHEET 14
EXIST. UTILITY ESM'T
EXIST. UTILITY ESM'T
NE1/4 SW1/4
1-27N-22W
EXIST. 10' UTILITY ESM'T
EXIST. CITY R/W
EXIST. 20' UTILITY ESM'T
TEMPORARY CONSTRUCTION EASEMENT

MATCHLINE STA. 05+89.34

(1) MERCHANTS FIELD, L.L.C.
SEE SHEET 13

(5)

(6) CC/MAIN PROPERTIES, LLC

(11) MO CLC PROPERTIES, LLC
7088 SF NEW NORMAL R/W
4626 SF PERM. ESM'T
2244 SF TEMP. ESM'T
11.8 AC REMAINING

SCALE
0 20 40 60

RIGHT OF WAY SHEET
SHEET 5 OF 6

Jonathan W. Peitz
2024.08.09 13:44:15 -05'00'
STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER
JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	17

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

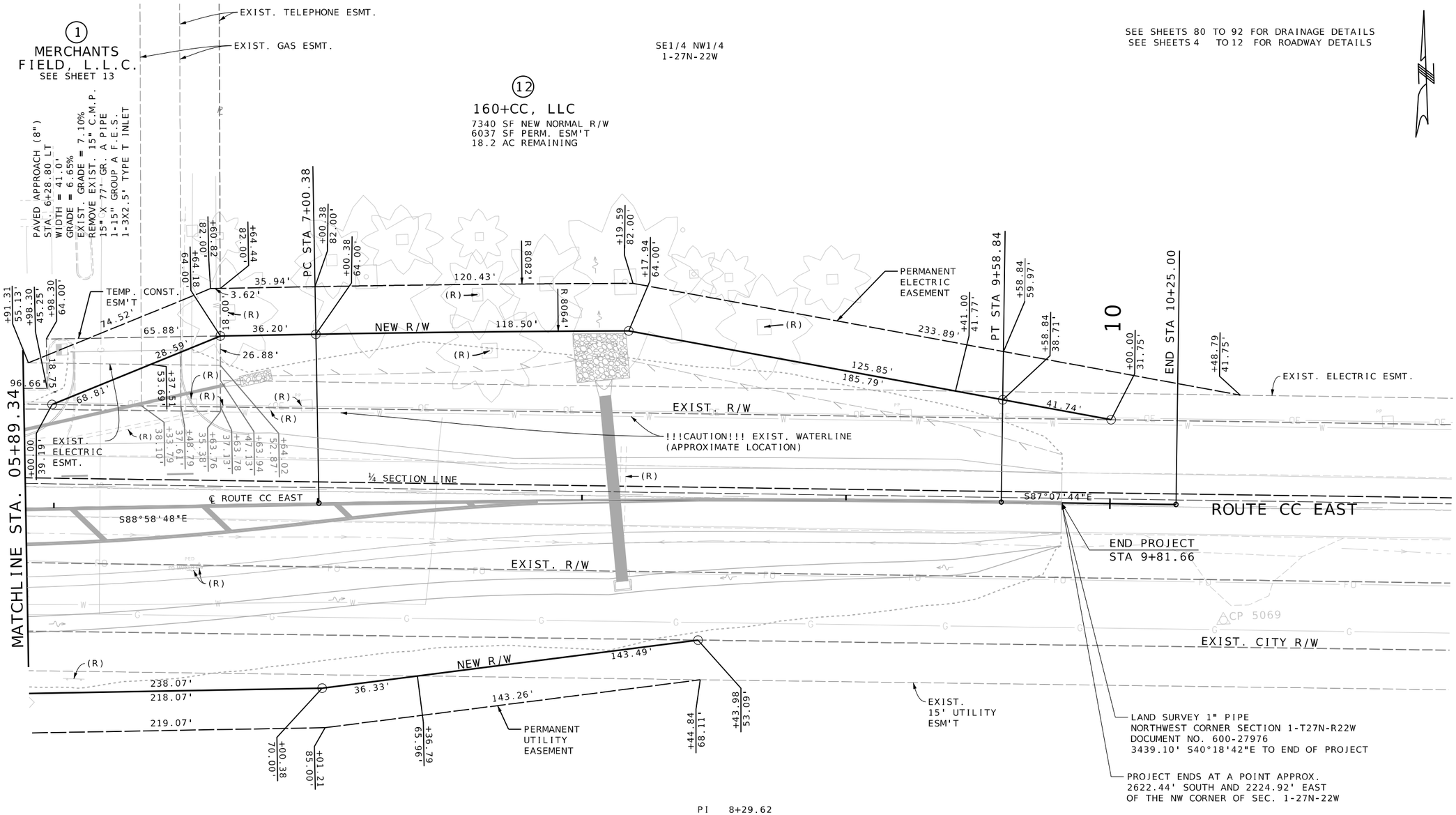
DATE	DESCRIPTION

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

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF AUTHORITY NO. 001592

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

F:\2022\01501-02000\022-01597\40-Design\Microstation\J8S0736F\plan_sheets\5 Right of Way\017_RW_05_J8S0736F_120.dgn 4:34:13 PM 8/9/2024



Jonathan W. Peitz 2024.08.09 16:06:46 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	18

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF AUTHORITY NO. 001592

RIGHT OF WAY SHEET
SHEET 6 OF 6

ALL PROJECT COORDINATES HAVE BEEN PROJECTED FROM THE MISSOURI STATE PLANE COORDINATE (SPC) SYSTEM OF 1983 USING AN AVERAGE PROJECT PROJECTION (GRID TO GROUND) FACTOR. TO GET BACK TO STATE PLANE COORDINATES, MULTIPY THE PROJECT COORDINATES BY THE AVERAGE GRID FACTOR AS SHOWN IN THE "REFERENCE CONTROL INFORMATION" PORTION OF THIS TABLE.

PROJECT COORDINATE INFORMATION

COORDINATE SYSTEM	STATE PLANE, MISSOURI CENTRAL
HORIZONTAL DATUM	NAD 1983
VERTICAL DATUM	NAVD 1988
GEOID MODEL	CHRISTIAN COUNTY
ELEVATIONS DETERMINED BY	GPS OBSERVATIONS
PROJECT PROJECTION FACTOR	1.00006280

REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM	NAD 1983
CONTROL STATION	CH-22
DESIGNATION	CH-22
CORS_ID	
PID	43022
LATITUDE	37°03'08.12751"
LONGITUDE	93°17'39.38156"
NORTHING (M)	135546.7150
EASTING (M)	429352.9600
ZONE	CENTRAL
PROJECT AVERAGE GRID FACTOR	0.99993720

EXAMPLE OF PROJECT COORDINATE TO S.P.C.

PROJECT NORTHING X AVERAGE GRID FACTOR
= STATE PLANE NORTHING
PROJECT EASTING X AVERAGE GRID FACTOR
= STATE PLANE EASTING

EXAMPLE: CONTROL POINT #5069
N 452106.29 X 0.99993720 = N 452077.90
E 1409950.12 X 0.99993720 = E 1409861.58

LINEAR UNIT CONVERSION

1 METER = 3.280833333 US SURVEY FEET (USFT)

COORDINATE POINT LISTING

SHEET NO	STATION	LOCATION	OFFSET (USFT)	MODIFIED STATE PLANE (GROUND) NORTHING (US SURVEY FT)	EASTING (US SURVEY FT)	ELEVATION (US SURVEY FT)	DESCRIPTION
PROJECT CONTROL POINTS							
		WINONA WAY		451,681.03	1,409,293.41	1,296.08	CONTROL - GPS #5004
	78+13.88	RTE CC	281.08 LT	452,433.01	1,409,197.09	1,283.82	CONTROL - GPS #5065
	10+43.64	RTE CC	45.29 RT	452,106.29	1,409,950.12	1,292.75	CONTROL - GPS #5069
ALIGNMENTS							
EXIST. ROUTE CC NORTH							
	60+00.00	℄		454,308.03	1,408,963.59		BEGIN CHAIN EXIST. ROUTE CC NORTH
	81+71.31			452,082.84	1,408,907.01		PI POINT
	102+57.54	℄		449,997.48	1,408,846.68		END CHAIN EXIST. ROUTE CC NORTH
ROUTE CC NORTH							
	73+20.00	℄		452,933.83	1,408,930.40		BEGIN CHAIN ROUTE CC NORTH
	74+26.27	℄		452,827.59	1,408,927.70		PC POINT
	74+69.00	℄		452,784.87	1,408,927.37		INTERSECTION ENT CC NORTH 7469 LT CL
	75+36.26		5.03 LT	452,717.64	1,408,924.90		PI POINT
				452,797.09	1,410,127.31		CC POINT
	76+45.00	℄		452,603.89	1,408,867.04		INTERSECTION ENT CC NORTH 7645 LT CL
	76+45.63	℄		452,609.01	1,408,942.14		PT POINT
	77+00.36	℄		452,554.96	1,408,950.72		PC POINT
	77+54.00	℄		452,497.02	1,408,855.62		INTERSECTION ENT CC NORTH 7754 RT CL
	77+83.00	℄		452,472.92	1,408,960.42		INTERSECTION ENT CC NORTH 7783 LT CL
	77+95.68		4.36 RT	452,460.82	1,408,965.66		PI POINT
				452,391.96	1,407,923.57		CC POINT
	78+90.47	℄		452,365.53	1,408,963.24		PT POINT
	80+11.68	℄		452,244.36	1,408,960.16		INTERSECTION CIRCULATORY ROADWAY
	80+81.68	℄		452,174.38	1,408,958.38		END CHAIN ROUTE CC NORTH
ROUTE CC EAST							
	0+49.34	℄		452,174.38	1,408,958.38		BEGIN CHAIN ROUTE CC EAST
	1+19.34	℄		452,173.14	1,409,028.36		INTERSECTION CIRCULATORY ROADWAY
	4+32.00	℄		452,167.57	1,409,340.67		INTERSECTION ROSEWOOD LANE
	7+00.68	℄		452,162.79	1,409,609.31		PC POINT
	8+29.62		1.04 RT	452,160.49	1,409,738.53		PI POINT
				444,164.06	1,409,466.91		CC POINT
	9+58.84	℄		452,154.02	1,409,867.61		PT POINT
	10+25.00	℄		452,150.71	1,409,933.69		END CHAIN ROUTE CC EAST
MAIN STREET							
	0+00.00	℄		452,174.38	1,408,958.38		BEGIN CHAIN MAIN STREET
	0+70.00	℄		452,105.74	1,408,944.65		INTERSECTION CIRCULATORY ROADWAY
	2+29.87	℄		451,948.97	1,408,913.31		PC POINT
	2+86.70		2.39 LT	451,893.25	1,408,902.17		PI POINT
				451,816.64	1,409,575.22		CC POINT
	3+43.26	℄		451,836.44	1,408,900.51		PT POINT
	4+53.82			451,725.93	1,408,897.26		INTERSECTION WINONA WAY
	5+66.37	℄		451,613.43	1,408,893.96		END CHAIN MAIN STREET
CEDAR STREET							
	0+00.00	℄		452,233.16	1,408,344.47		BEGIN CHAIN CEDAR STREET
	2+10.95	℄		452,235.77	1,408,555.41		PC POINT
	3+24.37		6.41 RT	452,237.17	1,408,668.82		PI POINT
	3+90.00	℄		452,221.98	1,408,733.69		INTERSECTION ENT CEDAR 390 RT CL
				451,235.85	1,408,567.75		CC POINT
	4+36.83	℄		452,213.13	1,408,779.67		PT POINT
	5+49.69	℄		452,189.22	1,408,889.97		INTERSECTION CIRCULATORY ROADWAY
	6+19.69	℄		452,174.38	1,408,958.38		END CHAIN CEDAR STREET

Jonathan W. Peitz 2024.08.09 09:43:53 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	19

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

ALL PROJECT COORDINATES HAVE BEEN PROJECTED FROM THE MISSOURI STATE PLANE COORDINATE (SPC) SYSTEM OF 1983 USING AN AVERAGE PROJECT PROJECTION (GRID TO GROUND) FACTOR. TO GET BACK TO STATE PLANE COORDINATES, MULTIPY THE PROJECT COORDINATES BY THE AVERAGE GRID FACTOR AS SHOWN IN THE "REFERENCE CONTROL INFORMATION" PORTION OF THIS TABLE.

PROJECT COORDINATE INFORMATION

COORDINATE SYSTEM	STATE PLANE, MISSOURI CENTRAL
HORIZONTAL DATUM	NAD 1983
VERTICAL DATUM	NAVD 1988
GEOID MODEL	CHRISTIAN COUNTY
ELEVATIONS DETERMINED BY	GPS OBSERVATIONS
PROJECT PROJECTION FACTOR	1.00006280

REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM	NAD 1983
CONTROL STATION	CH-22
DESIGNATION	CH-22
CORS_ID	
PID	43022
LATITUDE	37°03'08.12751"
LONGITUDE	93°17'39.38156"
NORTHING (M)	135546.7150
EASTING (M)	429352.9600
ZONE	CENTRAL
PROJECT AVERAGE GRID FACTOR	0.99993720

EXAMPLE OF PROJECT COORDINATE TO S.P.C.

PROJECT NORTHING X AVERAGE GRID FACTOR
= STATE PLANE NORTHING
PROJECT EASTING X AVERAGE GRID FACTOR
= STATE PLANE EASTING

EXAMPLE: CONTROL POINT #5069
N 452106.29 X 0.99993720 = N 452077.90
E 1409950.12 X 0.99993720 = E 1409861.58

LINEAR UNIT CONVERSION

1 METER = 3.280833333 US SURVEY FEET (USFT)

COORDINATE POINT LISTING

SHEET NO	STATION	LOCATION	OFFSET (USFT)	MODIFIED STATE PLANE (GROUND) NORTHING (US SURVEY FT)	EASTING (US SURVEY FT)	ELEVATION (US SURVEY FT)	DESCRIPTION
ALIGNMENTS							
CIRCULATORY ROADWAY							
	0+00	℄		452,223.88	1,409,007.87		BEGIN CHAIN CIRCULATORY ROADWAY
	0+56.22	℄		452,173.14	1,409,028.36		INTERSECTION ROUTE CC EAST
	1+78.75	℄		452,105.74	1,408,944.65		INTERSECTION MAIN STREET
	2+89.84	℄		452,189.22	1,408,889.97		INTERSECTION CEDAR STREET
	3+86.62	℄		452,244.36	1,408,960.16		INTERSECTION ROUTE CC NORTH
	4+39.82	℄		452,223.88	1,409,007.87		END CHAIN CIRCULATORY ROADWAY
				452,174.38	1,408,958.38		CENTER OF CURVE
ROSEWOOD LANE							
	0+00.00	℄		452,167.58	1,409,340.35		BEGIN CHAIN ROSEWOOD LANE
	1+96.92	℄		451,970.69	1,409,336.85		END CHAIN ROSEWOOD LANE
ENT CC NORTH 7469 LT CL							
	0+00.00	℄		452,784.87	1,408,927.37		BEGIN CHAIN ENT CC NORTH 7469 LT CL
	0+37.42	℄		452,785.25	1,408,964.79		PC POINT
	0+53.74		1.32 LT	452,785.42	1,408,981.11		PI POINT
				452,885.25	1,408,963.77		CC POINT
	0+69.78	℄		452,790.76	1,408,996.53		PT POINT
	1+02.36	℄		452,801.44	1,409,027.32		END CHAIN ENT CC NORTH 7469 LT CL
ENT CC NORTH 7645 LT CL							
	0+00.00	℄		452,603.89	1,408,867.04		BEGIN CHAIN ENT CC NORTH 7645 LT CL
	0+19.82	℄		452,603.70	1,408,886.85		PC POINT
	0+36.48	℄	0.69 LT	452,603.55	1,408,903.51		PI POINT
				452,803.69	1,408,888.72		CC POINT
	0+53.06	℄		452,606.15	1,408,919.96		PT POINT
	0+75.41	℄		452,609.64	1,408,942.04		ED CHAIN ENT CC NORTH 7645 LT CL
ENT CC NORTH 7754 RT CL							
	0+00.00	℄		452,497.02	1,408,855.62		BEGIN CHAIN ENT CC NORTH 7754 RT CL
	0+26.86	℄		452,495.65	1,408,882.45		PC POINT
	0+38.64		0.46 LT	452,495.05	1,408,894.22		PI POINT
				452,645.45	1,408,890.10		CC POINT
	0+50.38	℄		452,496.29	1,408,905.94		PT POINT
	1+02.49	℄		452,501.79	1,408,957.76		END CHAIN ENT CC NORTH 7754 RT CL
ENT CC NORTH 7783 LT CL							
	0+00.00	℄		452,472.92	1,408,960.42		BEGIN CHAIN ENT CC NORTH 7783 LT CL
	0+44.31	℄		452,476.37	1,409,004.59		PC POINT
	0+82.69		7.11 RT	452,479.35	1,409,042.86		PI POINT
				452,376.67	1,409,012.38		CC POINT
	1+17.60	℄		452,455.98	1,409,073.29		PT POINT
	1+37.82	℄		452,443.66	1,409,089.33		END CHAIN ENT CC NORTH 7783 LT CL
ENT CEDAR 390 RT CL							
	0+00.00	℄		452,221.98	1,408,733.69		BEGIN CHAIN ENT CEDAR 390 RT CL
	0+29.35	℄		452,193.04	1,408,728.82		PC POINT
	0+49.79		6.01 LT	452,172.89	1,408,725.43		PI POINT
				452,189.72	1,408,748.54		CC POINT
	0+61.20	℄		452,169.93	1,409,745.65		PT POINT
	0+94.70	℄		452,165.09	1,408,778.79		PC POINT
	1+12.05		6.48 RT	452,162.58	1,408,795.87		PI POINT
				452,145.30	1,408,775.90		CC POINT
	1+23.28	℄		452,145.22	1,408,795.90		PT POINT
	1+34.31			452,134.20	1,408,795.86		END CHAIN ENT CEDAR 390 RT CL

COORDINATE POINT SHEET
SHEET 2 OF 2

Jonathan W. Peitz 2024.08.09 15:50:47 -05'00'
STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER
JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED 8/9/2024
ROUTE CC | STATE MO
DISTRICT SW | SHEET NO. 20
COUNTY CHRISTIAN
JOB NO. J8S0736F
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

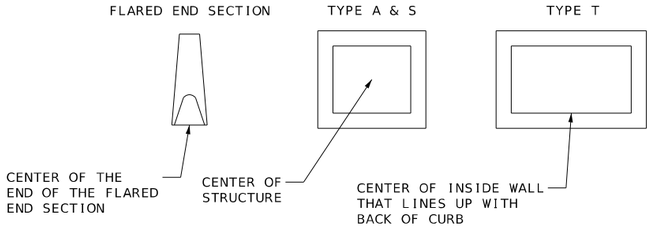
DESCRIPTION | DATE

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)

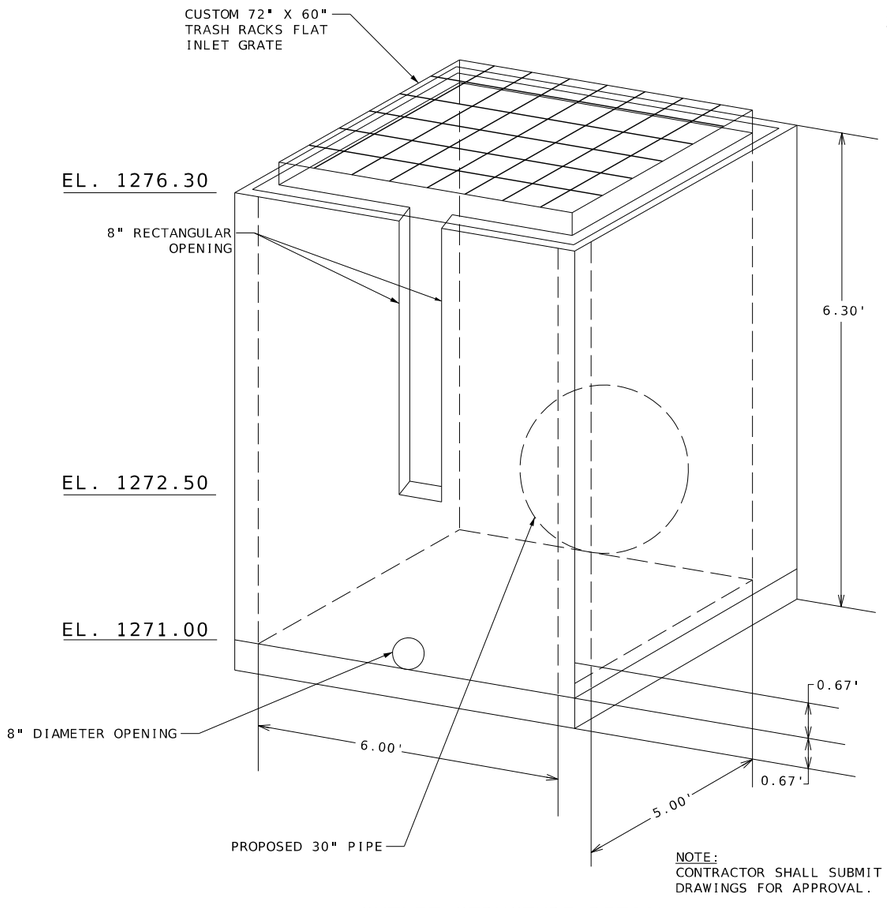
olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

NOTE: LOCATION POINTS CORRESPOND TO STORM STRUCTURE STATION AND OFFSET SHOWN IN THE PLANS



STORM STRUCTURE LOCATION POINTS

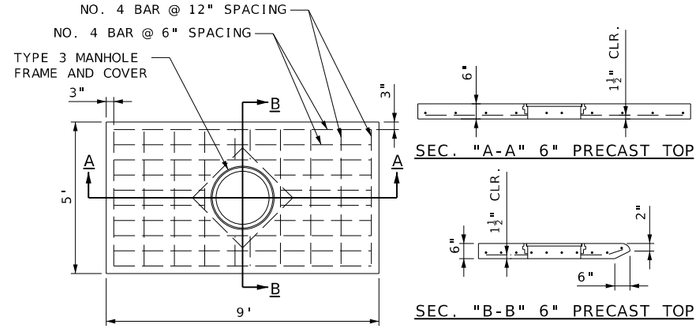
NOT TO SCALE



NOTE:
CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL.

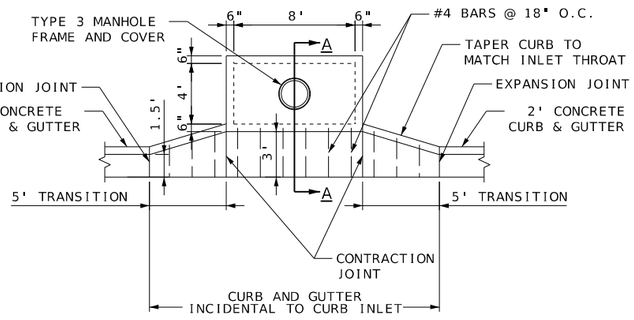
OUTLET STRUCTURE DETAIL

NOT TO SCALE

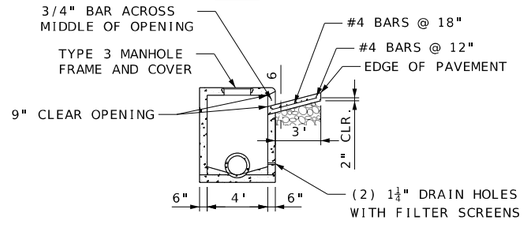


PRECAST INLET TOP

NOT TO SCALE



PLAN

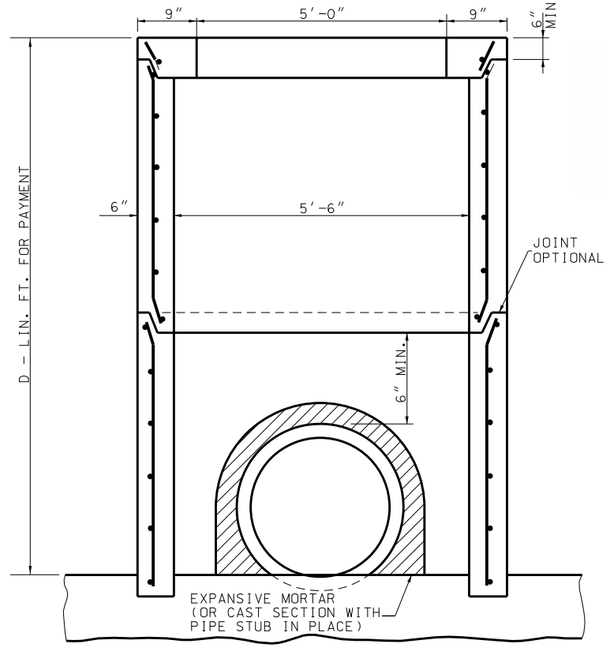


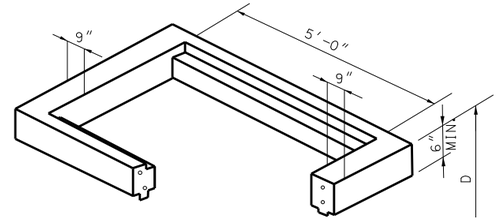
SECTION "A-A"

NOTE:
1. #4 BARS @ 10" O.C. (ALL WALLS, VERT. & HORIZ.)
2. CURB AND GUTTER CONSTRUCTED IN FRONT OF INLET AND ON EACH SIDE OF INLET AS SHOWN ABOVE SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE CURB INLET.
3. 6" PRECAST TOP TO BE PINNED AT 4 CORNERS.

RECESSED CURB INLET 8FT X4FT

NOT TO SCALE





TYPE S-1 INLET TOP

MODIFIED 5.5' X 3' TYPE S-1 INLET

NOT TO SCALE

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

Jonathan Peitz
2024.08.09 15:41:00 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	21

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

CONTRACT ID.

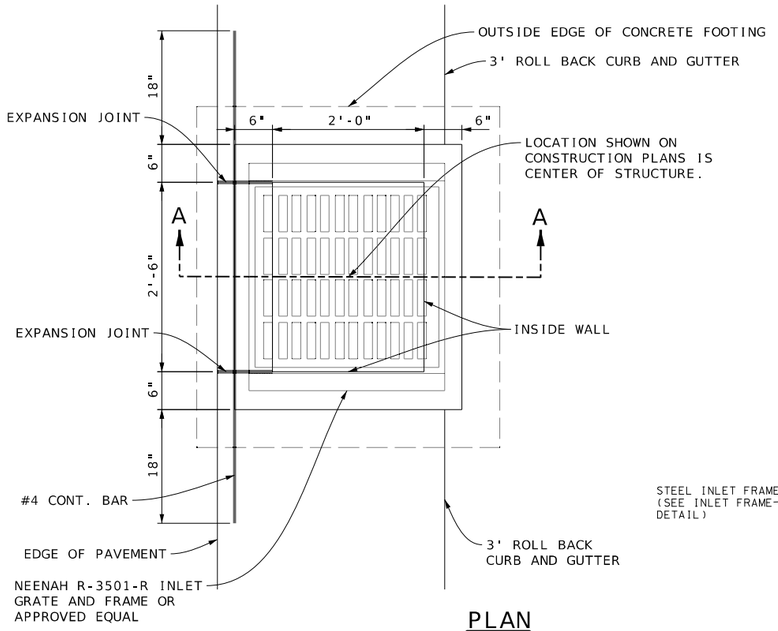
PROJECT NO.

BRIDGE NO.

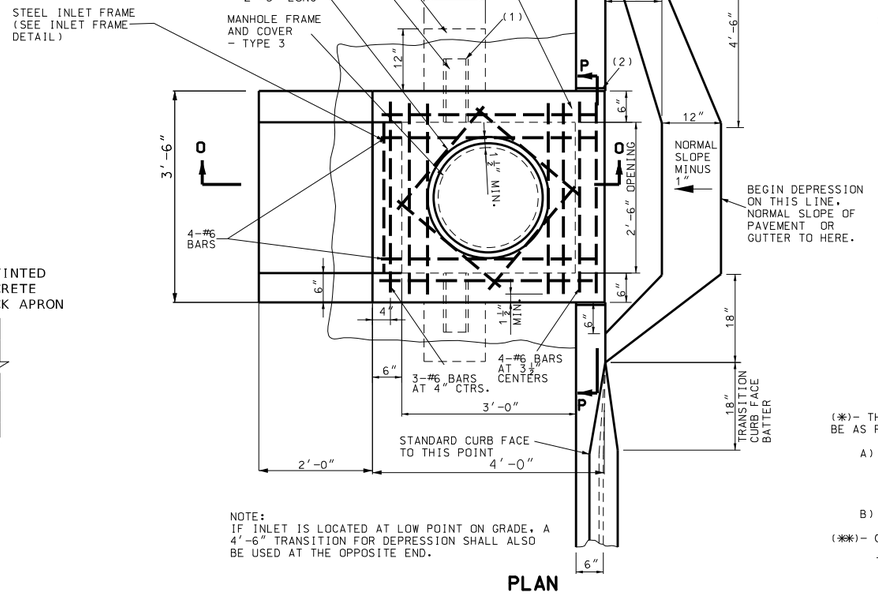
NO.	DESCRIPTION	DATE

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

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF AUTHORITY NO. 001592

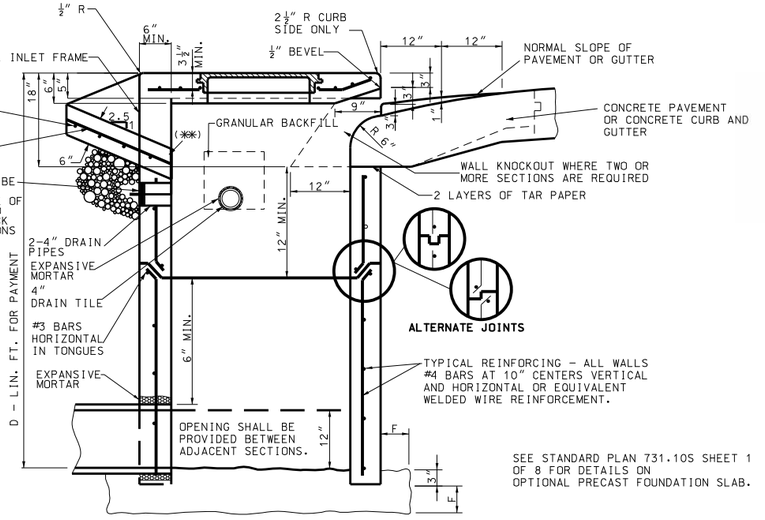


PLAN



NOTE:
IF INLET IS LOCATED AT LOW POINT ON GRADE, A 4'-6" TRANSITION FOR DEPRESSION SHALL ALSO BE USED AT THE OPPOSITE END.

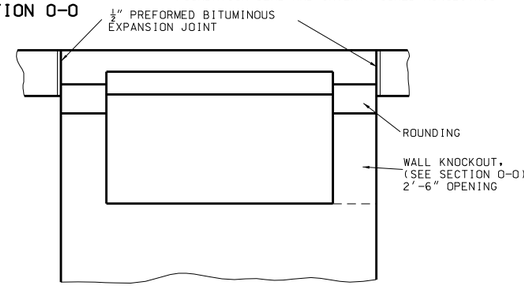
PLAN



F = 6" FOR D's ≤ 6'.
F = 12" FOR D's > 6'.

SEE STANDARD PLAN 731.10S SHEET 1 OF 8 FOR DETAILS ON OPTIONAL PRECAST FOUNDATION SLAB.

SECTION O-O



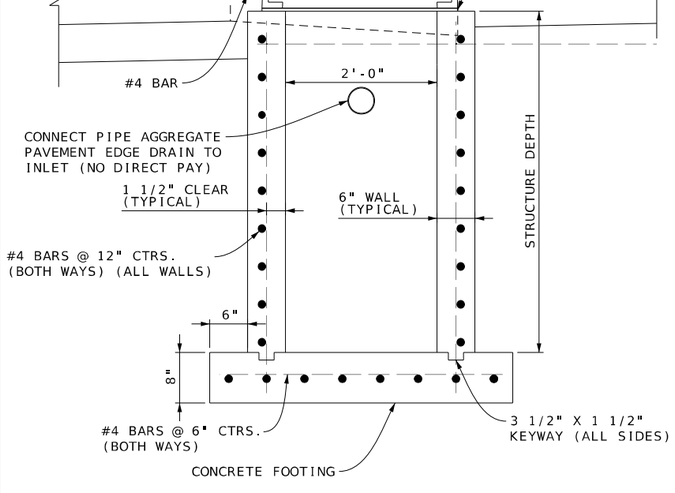
SECTION P-P
DETAILS OF OPENING

(*)- THE MATERIAL OF THE GRATE SHALL MATCH THE MATERIAL OF THE PIPE AND SHALL BE AS FOLLOWS:

A) PVC: PIPE- 4" SCHEDULE 40 PVC MEETING ASTM D-1785'
GRATE- 4" PVC SNAP-IN DRAIN- MEETS ASTM D-2665, WITH STAINLESS STEEL (TYPE 304) COVER,MOUNTED WITH TWO 18-8 STAINLESS STEEL SCREWS;MAXIMUM OPENING SIZE 1/4".

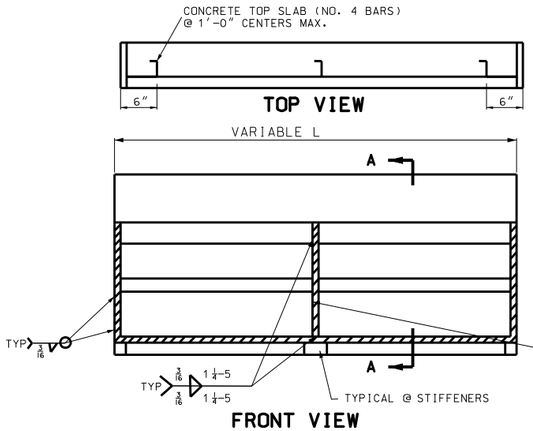
B) HDPE:PIPE- 4" HDPE MEETING AASHTO M252, TYPE S;
GRATE- 4" HDPE- MEETS ASTM D-3350; MAXIMUM OPENING SIZE 1/4".

(**)- GROUT ALL VOIDS;



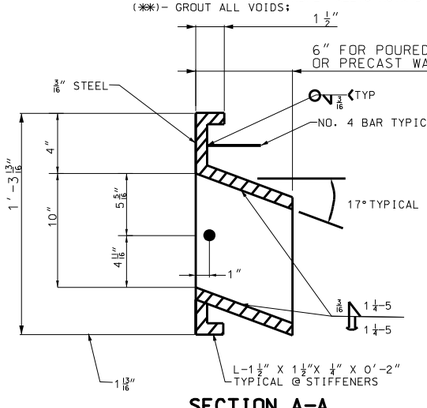
SECTION A-A

SPECIAL GRATE INLET 2.5 X 2
N.T.S.



TOP VIEW

FRONT VIEW



SECTION A-A

AREA INLET FRAME NOTES:
1. ALL WELDS SHALL BE PERFORMED IN ACCORDANCE WITH APPROPRIATE AWS SPECIFICATIONS AND PROCEDURES.
2. ALL WELDS ON EXPOSED SURFACES SHALL BE DRESSED SO AS TO PROVIDE A PLEASING FINISHED APPEARANCE.
3. ALL FLAT STEEL SHALL BE 7 GAGE OR ¾"/16 THICK.
4. THE ENTIRE FRAME SHALL BE HOT DIP SINC COATED IN ACCORDANCE WITH ASTM A-123.

MODIFIED TYPE T INLET 2.5FT X 3FT
N.T.S.

SPECIAL SHEET
SHEET 2 OF 14

Jonathan W. Peitz, PE-2017019023, State of Missouri, 2024.08.09 09:45:06 -05'00'

JONATHAN W. PEITZ NUMBER PE-2017019023 PROFESSIONAL ENGINEER STATE OF MISSOURI

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	22

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

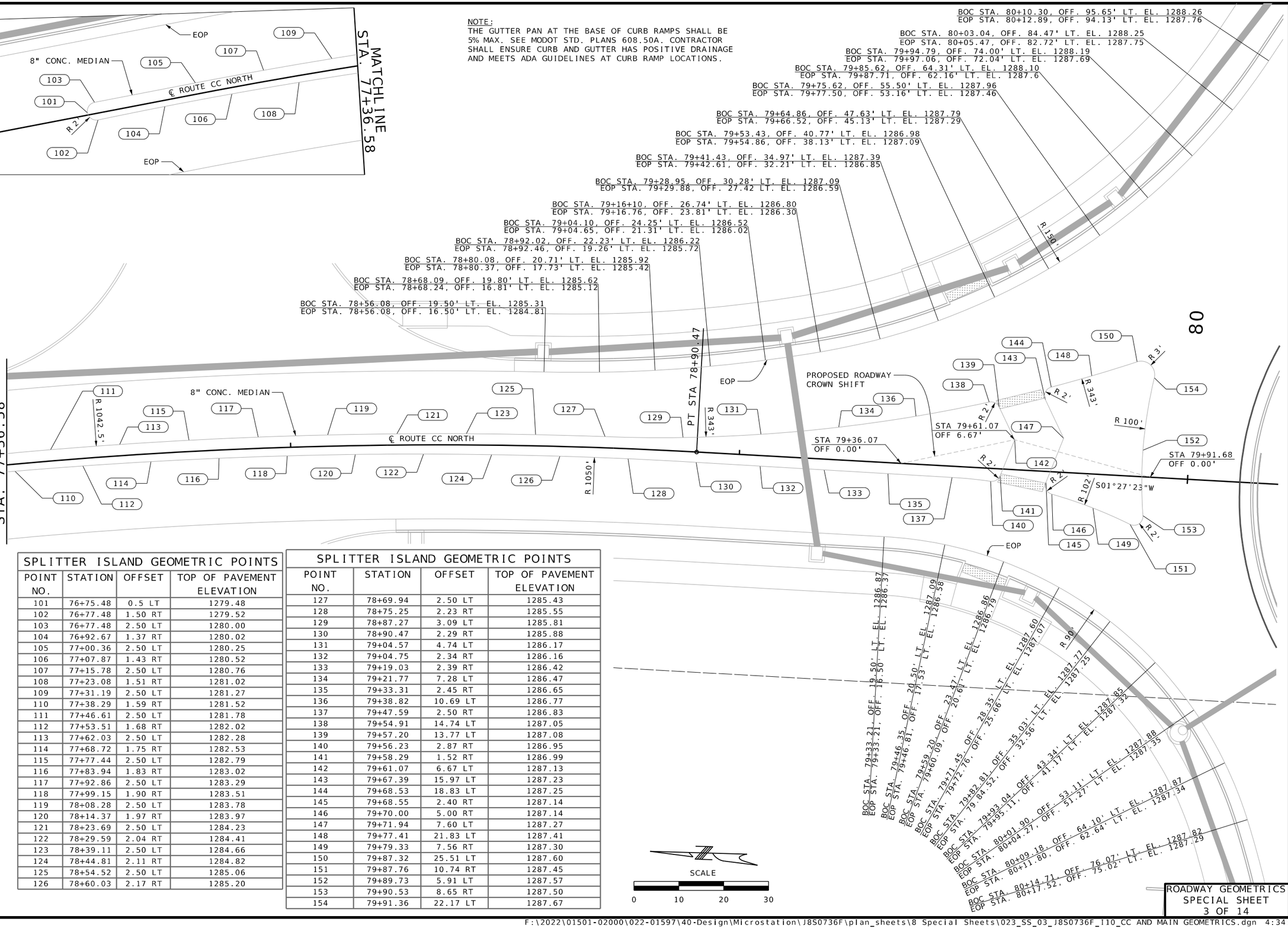
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF AUTHORITY NO. 001592

NOTE:
THE GUTTER PAN AT THE BASE OF CURB RAMPS SHALL BE 5% MAX. SEE MODOT STD. PLANS 608.50A. CONTRACTOR SHALL ENSURE CURB AND GUTTER HAS POSITIVE DRAINAGE AND MEETS ADA GUIDELINES AT CURB RAMP LOCATIONS.



SPLITTER ISLAND GEOMETRIC POINTS			
POINT NO.	STATION	OFFSET	TOP OF PAVEMENT ELEVATION
101	76+75.48	0.5 LT	1279.48
102	76+77.48	1.50 RT	1279.52
103	76+77.48	2.50 LT	1280.00
104	76+92.67	1.37 RT	1280.02
105	77+00.36	2.50 LT	1280.25
106	77+07.87	1.43 RT	1280.52
107	77+15.78	2.50 LT	1280.76
108	77+23.08	1.51 RT	1281.02
109	77+31.19	2.50 LT	1281.27
110	77+38.29	1.59 RT	1281.52
111	77+46.61	2.50 LT	1281.78
112	77+53.51	1.68 RT	1282.02
113	77+62.03	2.50 LT	1282.28
114	77+68.72	1.75 RT	1282.53
115	77+77.44	2.50 LT	1282.79
116	77+83.94	1.83 RT	1283.02
117	77+92.86	2.50 LT	1283.29
118	77+99.15	1.90 RT	1283.51
119	78+08.28	2.50 LT	1283.78
120	78+14.37	1.97 RT	1283.97
121	78+23.69	2.50 LT	1284.23
122	78+29.59	2.04 RT	1284.41
123	78+39.11	2.50 LT	1284.66
124	78+44.81	2.11 RT	1284.82
125	78+54.52	2.50 LT	1285.06
126	78+60.03	2.17 RT	1285.20

SPLITTER ISLAND GEOMETRIC POINTS			
POINT NO.	STATION	OFFSET	TOP OF PAVEMENT ELEVATION
127	78+69.94	2.50 LT	1285.43
128	78+75.25	2.23 RT	1285.55
129	78+87.27	3.09 LT	1285.81
130	78+90.47	2.29 RT	1285.88
131	79+04.57	4.74 LT	1286.17
132	79+04.75	2.34 RT	1286.16
133	79+19.03	2.39 RT	1286.42
134	79+21.77	7.28 LT	1286.47
135	79+33.31	2.45 RT	1286.65
136	79+38.82	10.69 LT	1286.77
137	79+47.59	2.50 RT	1286.83
138	79+54.91	14.74 LT	1287.05
139	79+57.20	13.77 LT	1287.08
140	79+56.23	2.87 RT	1286.95
141	79+58.29	1.52 RT	1286.99
142	79+61.07	6.67 LT	1287.13
143	79+67.39	15.97 LT	1287.23
144	79+68.53	18.83 LT	1287.25
145	79+68.55	2.40 RT	1287.14
146	79+70.00	5.00 RT	1287.14
147	79+71.94	7.60 LT	1287.27
148	79+77.41	21.83 LT	1287.41
149	79+79.33	7.56 RT	1287.30
150	79+87.32	25.51 LT	1287.60
151	79+87.76	10.74 RT	1287.45
152	79+89.73	5.91 LT	1287.57
153	79+90.53	8.65 RT	1287.50
154	79+91.36	22.17 LT	1287.67

Jonathan W. Peitz
Notary Public - Notary Seal
State of Missouri
Commissioned for Cole County
My Commission Expires: March 23, 2025
Commission Number: 20701902
JONATHAN W. PEITZ
NUMBER PE-2007019023
PROFESSIONAL ENGINEER
JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2007019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	23

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

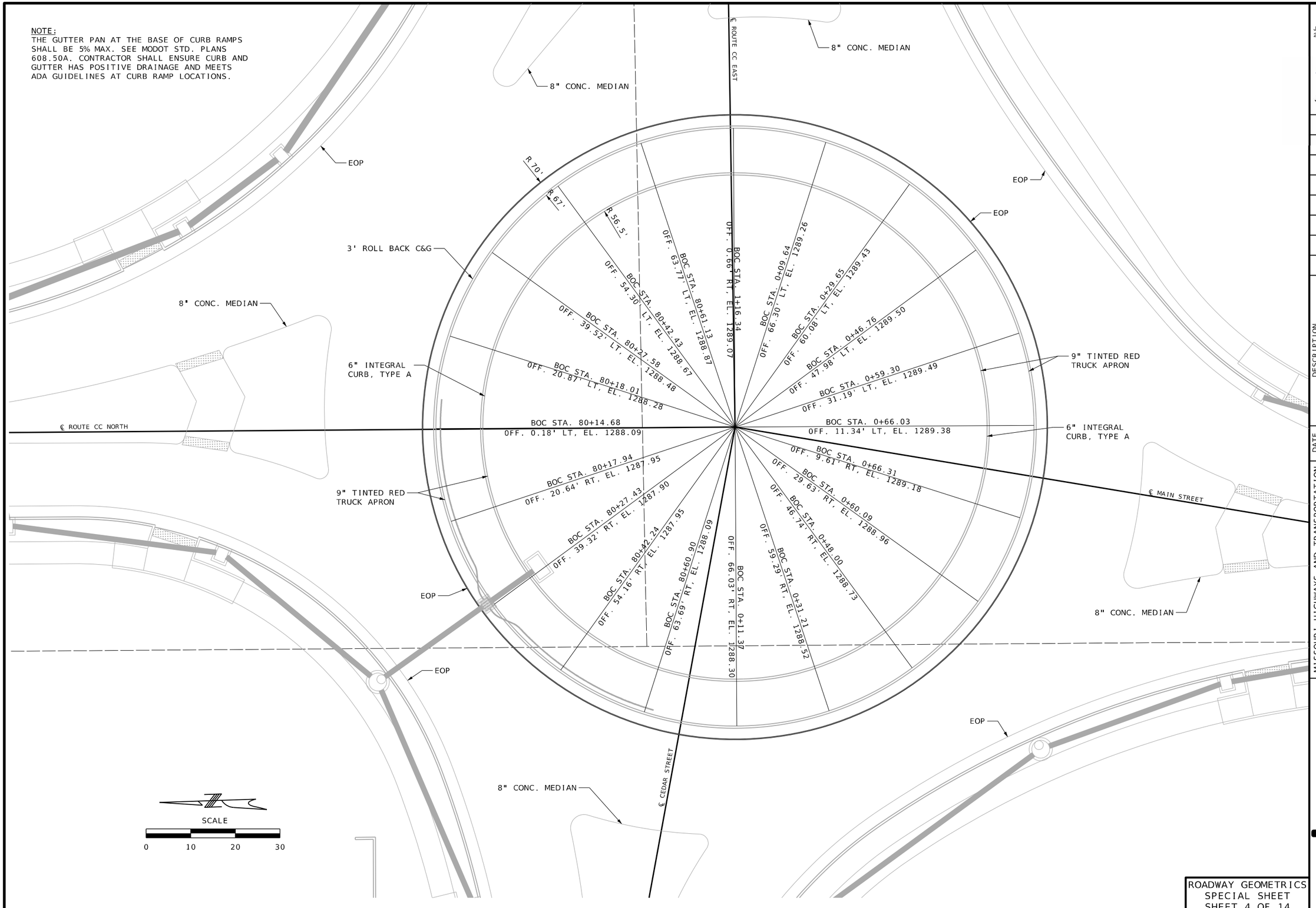
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF AUTHORITY NO. 001592

ROADWAY GEOMETRICS
SPECIAL SHEET
3 OF 14

NOTE:
THE GUTTER PAN AT THE BASE OF CURB RAMPS SHALL BE 5% MAX. SEE MODOT STD. PLANS 608.50A. CONTRACTOR SHALL ENSURE CURB AND GUTTER HAS POSITIVE DRAINAGE AND MEETS ADA GUIDELINES AT CURB RAMP LOCATIONS.



Jonathan W. Peitz
2024.08.09 15:54:40 -05'00'

JONATHAN W. PEITZ
NUMBER PE-2017019023
STATE OF MISSOURI
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	24

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

ROADWAY GEOMETRICS
SPECIAL SHEET
SHEET 4 OF 14

NOTE:
THE GUTTER PAN AT THE BASE OF CURB RAMPS SHALL BE 5% MAX. SEE MODOT STD. PLANS 608.50A. CONTRACTOR SHALL ENSURE CURB AND GUTTER HAS POSITIVE DRAINAGE AND MEETS ADA GUIDELINES AT CURB RAMP LOCATIONS.

BOC STA. 0+53.04, OFF. 78.51' LT, EL. 1289.43
EOP STA. 0+50.88, OFF. 76.43' LT, EL. 1288.93

BOC STA. 0+60.76, OFF. 70.67' LT, EL. 1289.48
EOP STA. 0+58.65, OFF. 68.54' LT, EL. 1288.98

BOC STA. 0+68.66, OFF. 63.01' LT, EL. 1289.49
EOP STA. 0+66.59, OFF. 60.83' LT, EL. 1288.99

BOC STA. 0+76.72, OFF. 55.52' LT, EL. 1289.46
EOP STA. 0+74.70, OFF. 53.29' LT, EL. 1288.97

BOC STA. 0+84.95, OFF. 48.21' LT, EL. 1289.40
EOP STA. 0+82.98, OFF. 45.94' LT, EL. 1288.90

BOC STA. 0+93.33, OFF. 41.08' LT, EL. 1289.31
EOP STA. 0+91.42, OFF. 38.77' LT, EL. 1288.81

BOC STA. 1+03.11, OFF. 34.04' LT, EL. 1289.17
EOP STA. 1+01.33, OFF. 31.49' LT, EL. 1288.67

BOC STA. 1+13.78, OFF. 28.42' LT, EL. 1289.04
EOP STA. 1+12.56, OFF. 25.67' LT, EL. 1288.53

BOC STA. 1+25.11, OFF. 24.32' LT, EL. 1288.27
EOP STA. 1+24.29, OFF. 21.44' LT, EL. 1288.39

BOC STA. 1+36.90, OFF. 21.83' LT, EL. 1288.73
EOP STA. 1+36.49, OFF. 18.86' LT, EL. 1288.21

BOC STA. 1+48.93, OFF. 21.00' LT, EL. 1288.44
EOP STA. 1+48.93, OFF. 18.00' LT, EL. 1287.94

EOP

℄ MAIN STREET

STA 0+90.00
OFF 0.00'

PROPOSED ROADWAY CROWN SHIFT

STA 1+20.54
OFF 4.39'

STA 1+45.54
OFF 0.00'

8" CONC. MEDIAN

201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231

R 2' R 102' R 100' R 240' R 3' R 3.5'

EOP

BOC STA. 2+00.44, OFF. 21.00' RT, EL. 1288.84
EOP STA. 2+00.44, OFF. 18.00' RT, EL. 1288.34

BOC STA. 1+85.05, OFF. 21.53' RT, EL. 1288.76
EOP STA. 1+84.84, OFF. 18.54' RT, EL. 1288.26

BOC STA. 1+69.73, OFF. 23.13' RT, EL. 1288.69
EOP STA. 1+69.32, OFF. 20.16' RT, EL. 1288.19

BOC STA. 1+54.57, OFF. 25.79' RT, EL. 1288.65
EOP STA. 1+53.95, OFF. 22.86' RT, EL. 1288.15

BOC STA. 1+39.62, OFF. 29.49' RT, EL. 1288.64
EOP STA. 1+38.80, OFF. 26.61' RT, EL. 1288.14

BOC STA. 1+24.96, OFF. 34.22' RT, EL. 1288.04
EOP STA. 1+23.94, OFF. 31.40' RT, EL. 1288.15

BOC STA. 1+10.67, OFF. 39.96' RT, EL. 1288.69
EOP STA. 1+09.46, OFF. 37.21' RT, EL. 1288.19

BOC STA. 0+96.81, OFF. 46.67' RT, EL. 1288.74
EOP STA. 0+95.41, OFF. 44.02' RT, EL. 1288.24

BOC STA. 0+83.45, OFF. 54.33' RT, EL. 1288.77
EOP STA. 0+81.87, OFF. 51.78' RT, EL. 1288.27

BOC STA. 0+70.65, OFF. 62.89' RT, EL. 1288.74
EOP STA. 0+68.90, OFF. 60.46' RT, EL. 1288.24

BOC STA. 0+58.48, OFF. 72.32' RT, EL. 1288.65
EOP STA. 0+56.56, OFF. 70.01' RT, EL. 1288.15

BOC STA. 0+46.99, OFF. 82.57' RT, EL. 1288.5
EOP STA. 0+44.92, OFF. 80.40' RT, EL. 1288.00

SCALE
0 10 20 30

SPLITTER ISLAND GEOMETRIC POINTS

POINT NO.	STATION	OFFSET	TOP OF PAVEMENT ELEVATION
201	0+91.06	9.65 LT	1288.80
202	0+92.12	3.06 RT	1288.71
203	0+91.34	17.57 RT	1288.59
204	0+93.81	11.79 LT	1288.76
205	0+95.42	20.74 RT	1288.50
206	1+02.12	8.76 LT	1288.62
207	1+03.96	17.55 RT	1288.44
208	1+09.91	4.55 RT	1288.47
209	1+11.31	6.31 LT	1288.49
210	1+11.61	15.01 RT	1288.37
211	1+12.77	3.70 LT	1288.47
212	1+12.89	12.39 RT	1288.38
213	1+20.64	4.39 RT	1288.38
214	1+22.67	10.00 RT	1288.33
215	1+23.10	2.96 LT	1288.37
216	1+25.03	11.23 RT	1288.30
217	1+24.38	4.36 LT	1288.35
218	1+25.14	4.30 LT	1288.31
219	1+38.79	8.20 RT	1288.26
220	1+45.73	3.84 LT	1288.23
221	1+53.59	5.87 RT	1288.27
222	1+59.78	3.67 LT	1288.28
223	1+68.51	4.47 RT	1288.36
224	1+73.83	3.50 LT	1288.40
225	1+83.48	4.00 RT	1288.50
226	1+87.88	3.34 LT	1288.54
227	1+99.70	4.00 RT	1288.62
228	2+01.92	3.17 LT	1288.65
229	2+15.93	4.00 RT	1288.69
230	2+15.97	3.00 LT	1288.71
231	2+19.43	0.52 RT	1288.77

Jonathan W. Peitz, P.E. (Missouri) 2019019023
STATE OF MISSOURI
JONATHAN W. PEITZ NUMBER PE-2019019023
PROFESSIONAL ENGINEER
JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2019019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	25

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

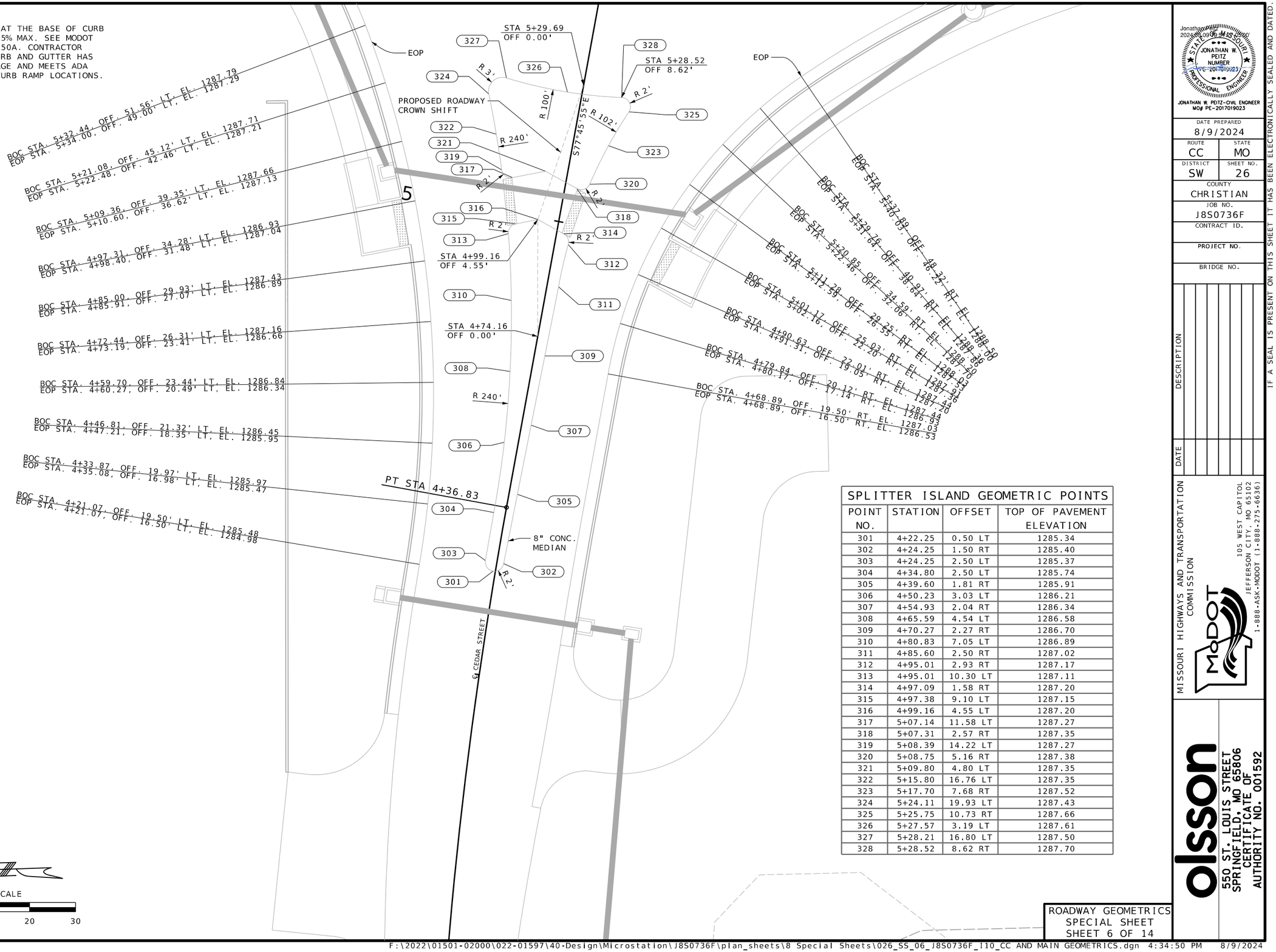
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF AUTHORITY NO. 001592

ROADWAY GEOMETRICS
SPECIAL SHEETS
SHEET 5 OF 14

NOTE:
THE GUTTER PAN AT THE BASE OF CURB RAMPS SHALL BE 5% MAX. SEE MODOT STD. PLANS 608.50A. CONTRACTOR SHALL ENSURE CURB AND GUTTER HAS POSITIVE DRAINAGE AND MEETS ADA GUIDELINES AT CURB RAMP LOCATIONS.



SPLITTER ISLAND GEOMETRIC POINTS			
POINT NO.	STATION	OFFSET	TOP OF PAVEMENT ELEVATION
301	4+22.25	0.50 LT	1285.34
302	4+24.25	1.50 RT	1285.40
303	4+24.25	2.50 LT	1285.37
304	4+34.80	2.50 LT	1285.74
305	4+39.60	1.81 RT	1285.91
306	4+50.23	3.03 LT	1286.21
307	4+54.93	2.04 RT	1286.34
308	4+65.59	4.54 LT	1286.58
309	4+70.27	2.27 RT	1286.70
310	4+80.83	7.05 LT	1286.89
311	4+85.60	2.50 RT	1287.02
312	4+95.01	2.93 RT	1287.17
313	4+95.01	10.30 LT	1287.11
314	4+97.09	1.58 RT	1287.20
315	4+97.38	9.10 LT	1287.15
316	4+99.16	4.55 LT	1287.20
317	5+07.14	11.58 LT	1287.27
318	5+07.31	2.57 RT	1287.35
319	5+08.39	14.22 LT	1287.27
320	5+08.75	5.16 RT	1287.38
321	5+09.80	4.80 LT	1287.35
322	5+15.80	16.76 LT	1287.35
323	5+17.70	7.68 RT	1287.52
324	5+24.11	19.93 LT	1287.43
325	5+25.75	10.73 RT	1287.66
326	5+27.57	3.19 LT	1287.61
327	5+28.21	16.80 LT	1287.50
328	5+28.52	8.62 RT	1287.70

SCALE
0 10 20 30

ROADWAY GEOMETRICS
SPECIAL SHEET
SHEET 6 OF 14

Jonathan W. Peitz 2024.08.09 09:34:15 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	26

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

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

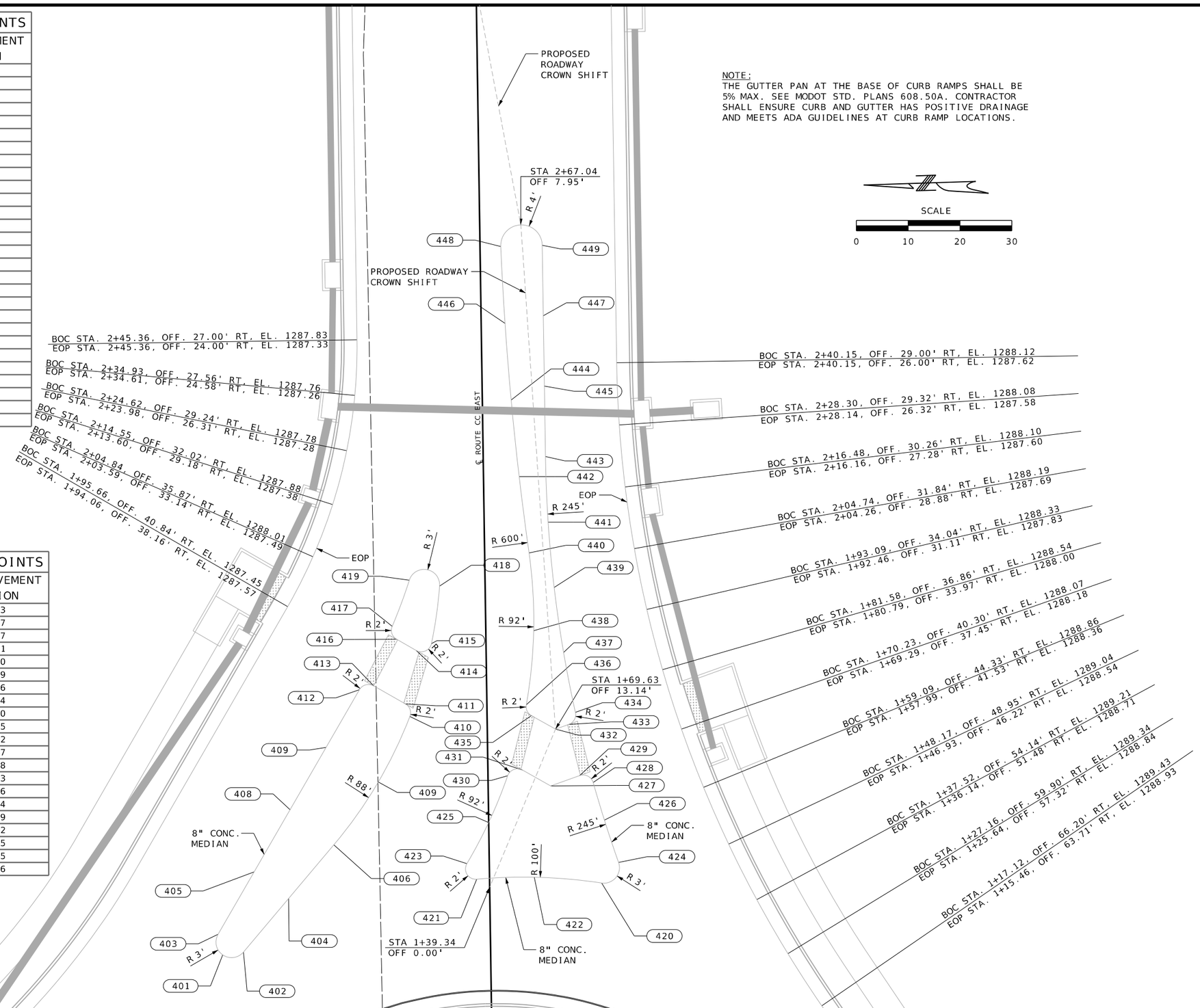
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

SPLITTER ISLAND GEOMETRIC POINTS			
POINT NO.	STATION	OFFSET	TOP OF PAVEMENT ELEVATION
401	1+27.05	51.71 LT	1288.13
402	1+27.51	47.69 LT	1288.18
403	1+31.02	52.53 LT	1288.08
404	1+37.73	38.82 LT	1288.20
405	1+42.93	45.41 LT	1288.05
406	1+47.95	29.96 LT	1288.17
407	1+54.85	38.29 LT	1288.00
408	1+59.97	21.19 LT	1288.06
409	1+66.76	31.17 LT	1287.89
410	1+72.48	14.90 LT	1287.88
411	1+74.96	15.74 LT	1287.84
412	1+77.83	24.60 LT	1287.74
413	1+78.53	21.83 LT	1287.75
414	1+85.22	13.48 LT	1287.80
415	1+86.52	10.52 LT	1287.81
416	1+87.42	17.23 LT	1287.76
417	1+89.97	18.04 LT	1287.73
418	1+97.57	8.79 LT	1287.65
419	1+98.79	14.62 LT	1287.57
420	1+39.81	21.59 RT	1288.64
421	1+40.91	2.48 LT	1288.51
422	1+41.13	8.60 RT	1288.56
423	1+43.95	4.33 LT	1288.44
424	1+43.73	24.93 RT	1288.56
425	1+51.80	0.01 LT	1288.31
426	1+51.95	22.31 RT	1288.40
427	1+58.68	12.03 RT	1288.24
428	1+59.23	20.25 RT	1288.27

SPLITTER ISLAND GEOMETRIC POINTS			
POINT NO.	STATION	OFFSET	TOP OF PAVEMENT ELEVATION
429	1+60.61	17.67 RT	1288.23
430	1+60.78	3.79 RT	1288.17
431	1+61.82	6.68 RT	1288.17
432	1+69.63	13.14 RT	1288.11
433	1+70.51	15.73 RT	1288.10
434	1+72.81	17.05 RT	1288.09
435	1+72.33	8.53 RT	1288.06
436	1+74.44	7.58 RT	1288.04
437	1+84.41	14.94 RT	1288.00
438	1+88.68	9.23 RT	1287.95
439	1+96.97	13.31 RT	1287.92
440	2+03.71	8.56 RT	1287.87
441	2+09.61	12.33 RT	1287.88
442	2+18.47	6.87 RT	1287.83
443	2+22.27	12.00 RT	1287.86
444	2+33.26	5.55 RT	1287.84
445	2+35.86	12.00 RT	1287.89
446	2+48.08	4.59 RT	1287.92
447	2+49.45	12.00 RT	1287.95
448	2+62.93	4.00 RT	1288.05
449	2+63.04	12.00 RT	1288.06



NOTE:
THE GUTTER PAN AT THE BASE OF CURB RAMPS SHALL BE 5% MAX. SEE MODOT STD. PLANS 608.50A. CONTRACTOR SHALL ENSURE CURB AND GUTTER HAS POSITIVE DRAINAGE AND MEETS ADA GUIDELINES AT CURB RAMP LOCATIONS.

SCALE
0 10 20 30

ROADWAY GEOMETRICS
SPECIAL SHEET
SHEET 7 OF 14

Jonathan Peitz
2024.08.09 09:14:19 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	27

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

5

STA. 0+00.00 ℄ (ROSEWOOD LANE) =
STA. 4+31.38 ℄ (ROUTE CC EAST)

℄ ROUTE CC EAST

EOP

BOC STA. 4+74.38, OFF. 29.00' RT, EL. 1291.04
EOP STA. 4+74.38, OFF. 26.00' RT, EL. 1291.10

BOC STA. 4+64.38, OFF. 31.68' RT, EL. 1291.51
EOP STA. 4+62.88, OFF. 29.08' RT, EL. 1291.01

BOC STA. 4+57.06, OFF. 39.00' RT, EL. 1291.44
EOP STA. 4+54.46, OFF. 37.50' RT, EL. 1290.94

EOP STA. 4+51.38, OFF. 49.00' RT, EL. 1290.89

R 30.5'

BOC STA. 4+53.88, OFF. 70.62' RT, EL. 1291.63

℄ ROSEWOOD LANE

S01°01'12"W

R 30.5'

BOC STA. 4+08.88, OFF. 70.62' RT, EL. 1291.49

EOP STA. 4+11.38, OFF. 49.00' RT, EL. 1290.5

BOC STA. 4+05.70, OFF. 39.00' RT, EL. 1290.75
EOP STA. 4+08.30, OFF. 37.50' RT, EL. 1290.26

BOC STA. 3+98.38 OFF. 31.68' RT, EL. 1290.56
EOP STA. 3+99.88, OFF. 29.08' RT, EL. 1290.06

BOC STA. 3+88.38, OFF. 29.00' RT, EL. 1290.35
EOP STA. 3+88.38, OFF. 26.00' RT, EL. 1289.85

EOP

S88°58'48"E

SCALE

0 10 20 30

ROADWAY GEOMETRICS
SPECIAL SHEET
SHEET 8 OF 14

Jonathan Peitz
2024.08.09 09:54:39 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	28

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

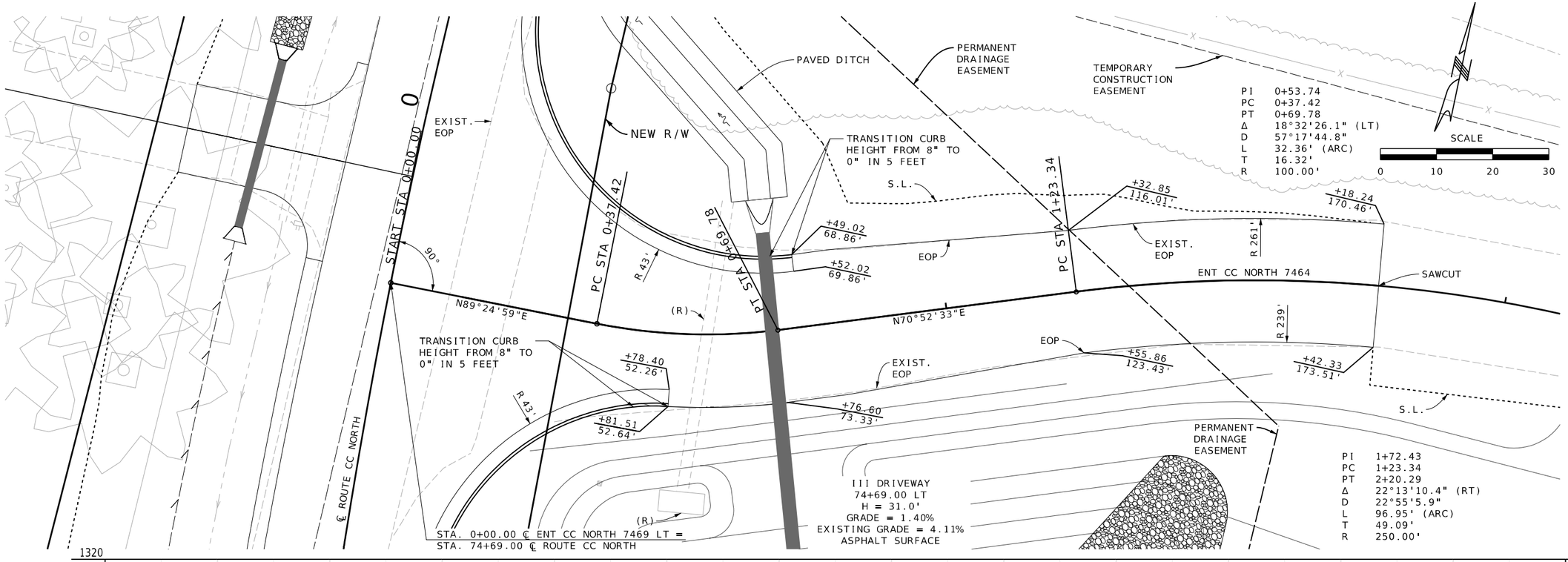
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

MoDOT

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592



SPECIAL SHEET
SHEET 9 OF 14

Jonathan W. Peitz, P.E. Missouri
2024.08.09 10:56:00 -05'00'

JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER
STATE OF MISSOURI

JONATHAN W. PEITZ - CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	29

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

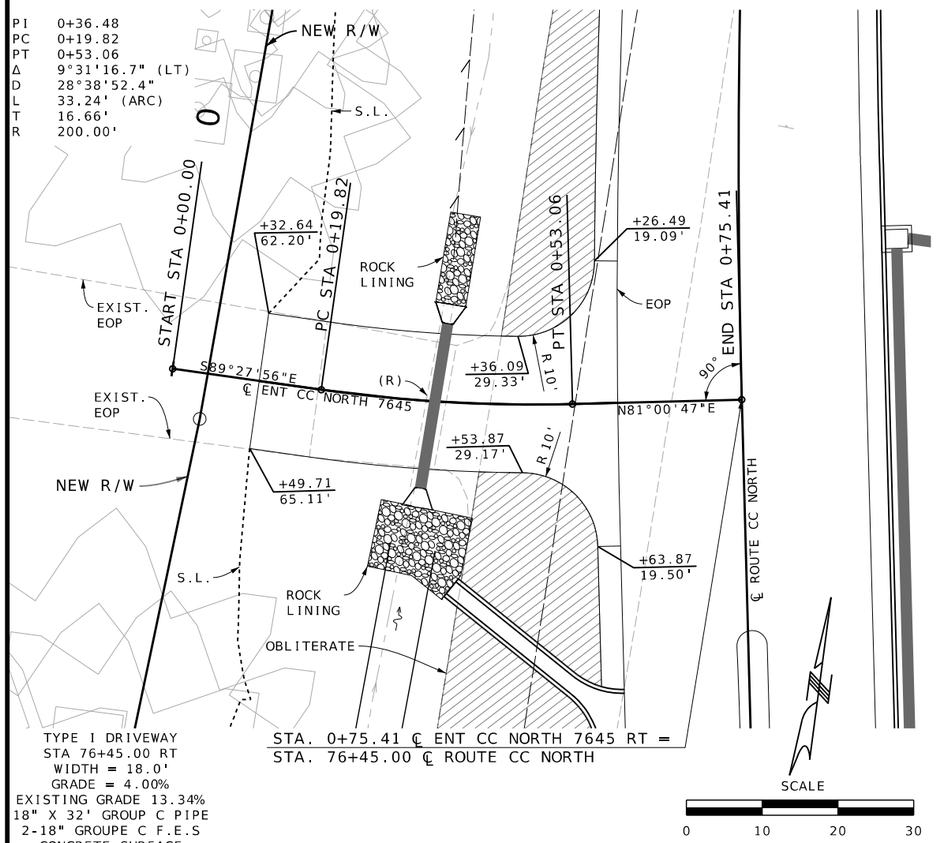
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

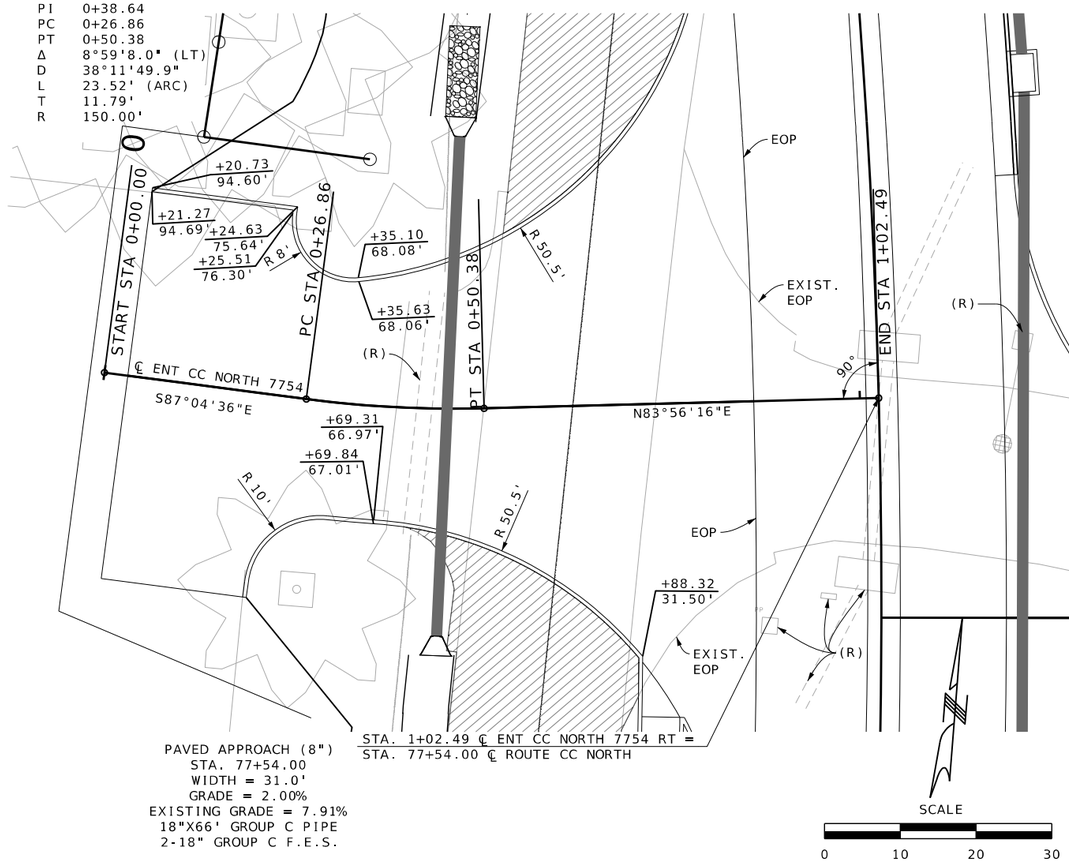
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

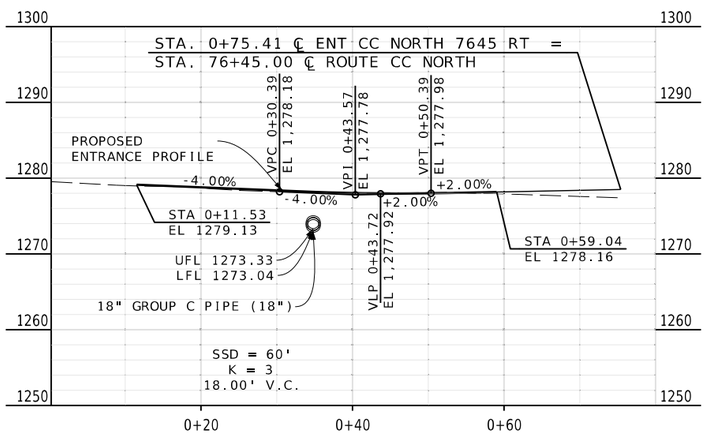
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

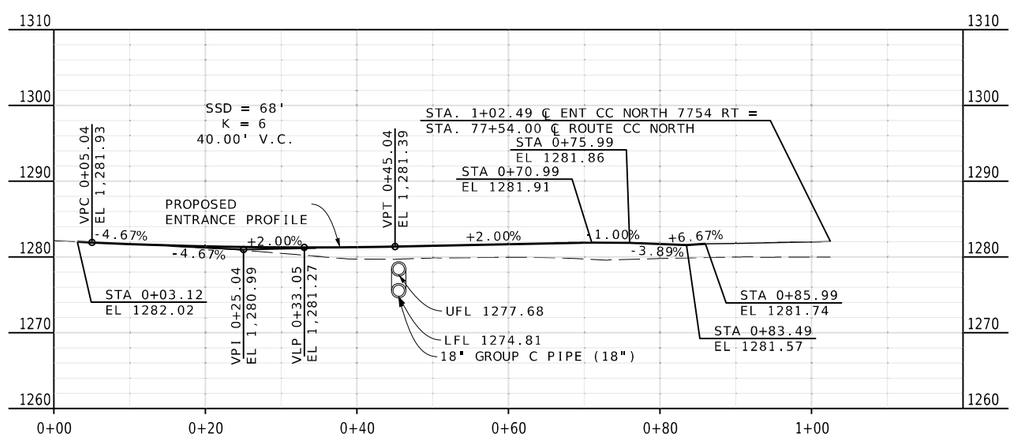
olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

F:\2022\01501-02000\022-01597\40-Design\Microstation\J8S0736F\plan_sheets\8 Special Sheets\029_SS_09_J8S0736F_I10_CC AND MAIN ENTRANCE.dgn 4:35:01 PM 8/9/2024









SPECIAL SHEET
SHEET 10 OF 14

Jonathan Peitz
2024.08.09 09:39:43 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	30

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

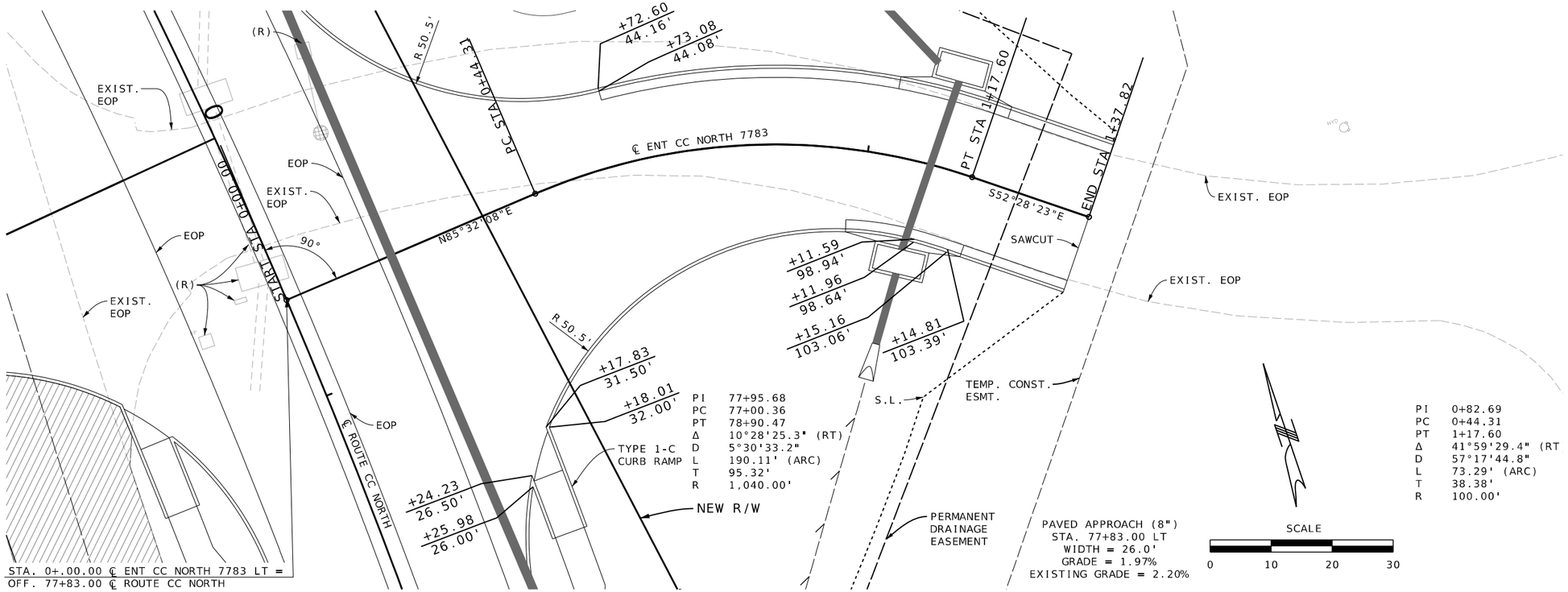
DATE	DESCRIPTION

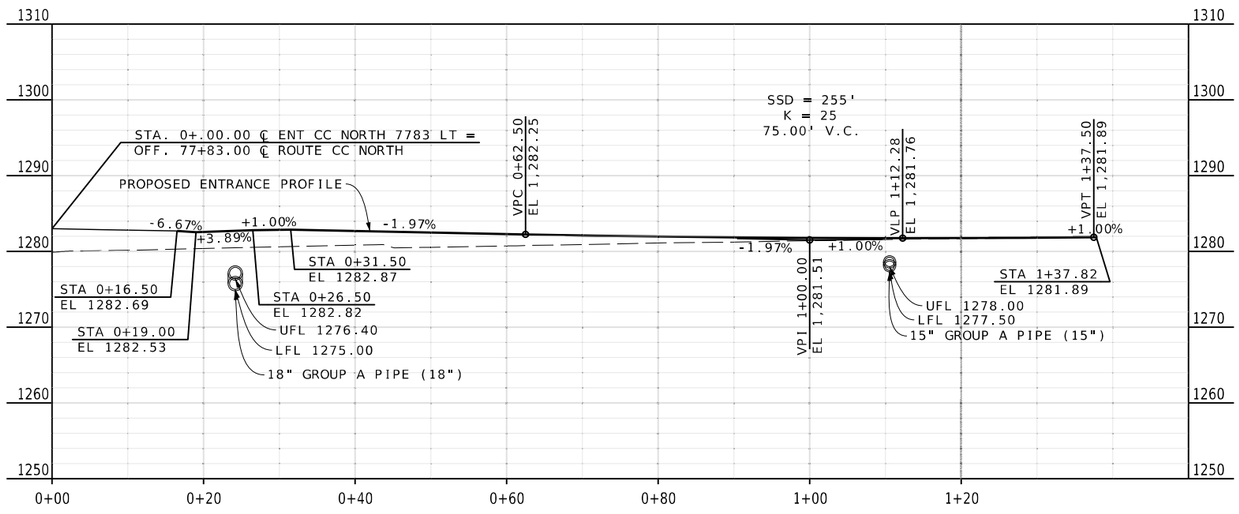
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592





Jonathan Peitz
2024.08.09 09:47:33 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	31

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

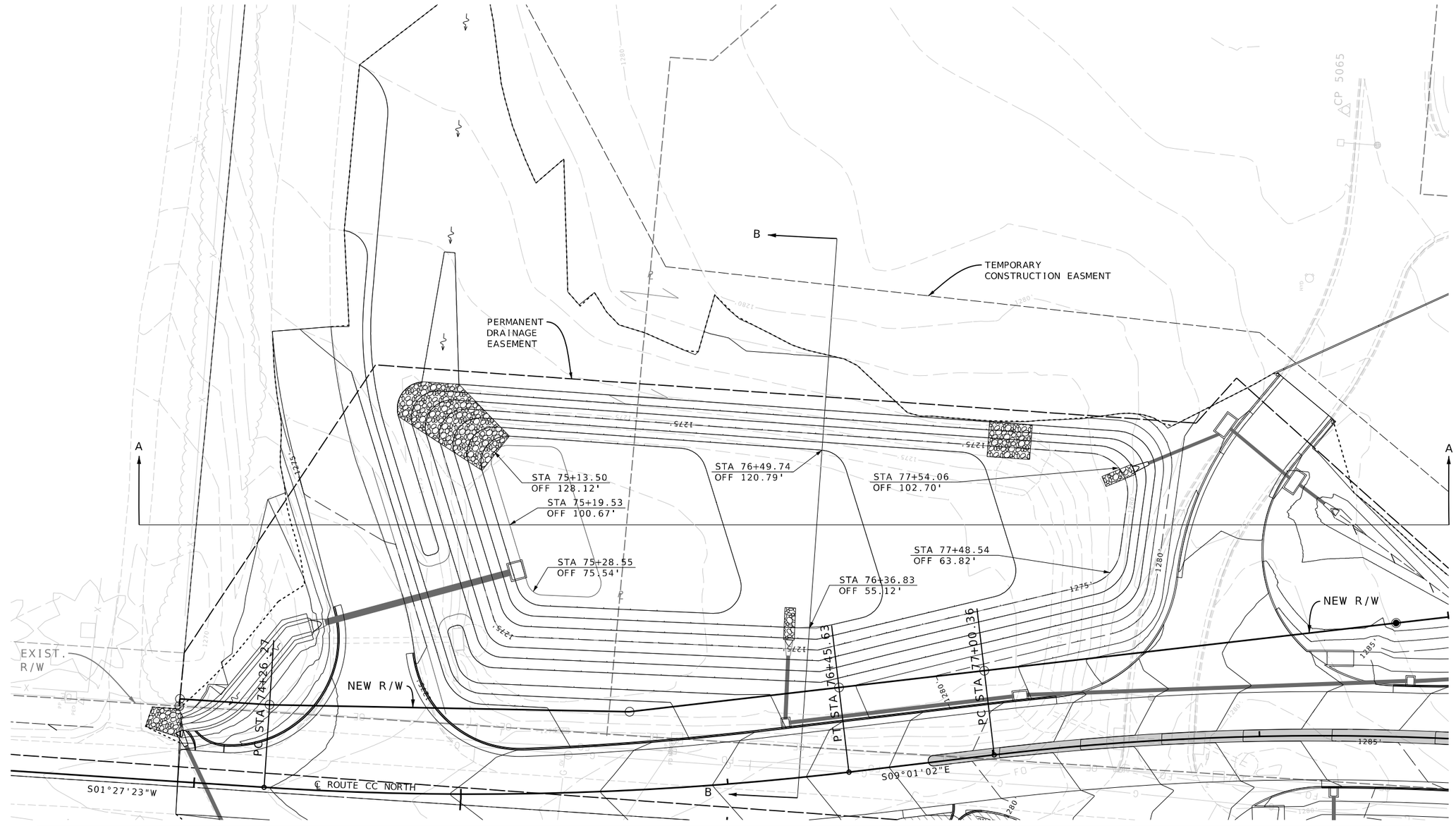
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

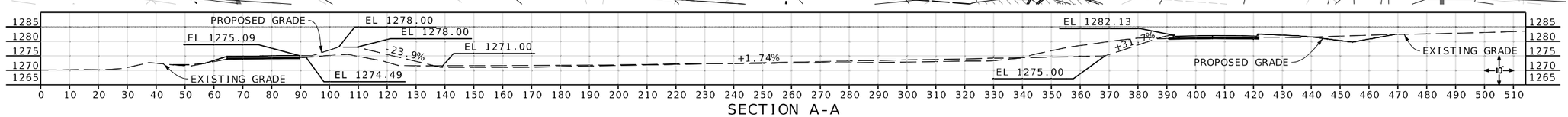
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

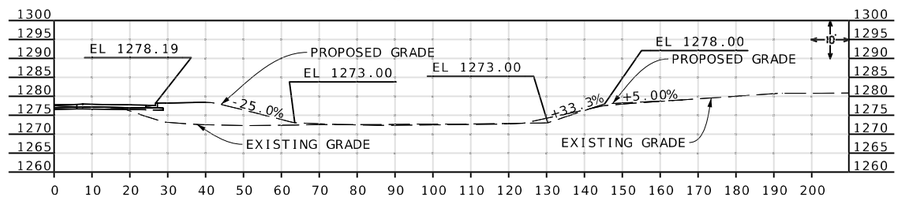
olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

SPECIAL SHEET
SHEET 11 OF 14





SECTION A-A



SECTION B-B

SCALE

0 20 40 60

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

Jonathan Peitz
2024.08.09 15:49:17 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	32

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

SPECIAL SHEET
SHEET 12 OF 14

SCALE
0 60 120 180

START STA 73+20.00
73+93.96
PC STA 74+26.27
PT STA 76+45.63
76+63.87
PC STA 77+00.36
PT STA 78+90.47

PI 75+36.26
PC 74+26.27
PT 76+45.63
Δ 10°28'25.3" (LT)
D 4°46'28.7"
L 219.36' (ARC)
T 109.99'
R 1,200.00'

S01°27'23"W
S09°01'02"E
ROUTE CC NORTH
℄ ROUTE CC NORTH

PI 77+95.68
PC 77+00.36
PT 78+90.47
Δ 10°28'25.3" (RT)
D 5°30'33.2"
L 190.11' (ARC)
T 95.32'
R 1,040.00'

LEGEND
- 8" CONCRETE MEDIAN
- 9" TINTED RED TRUCK APRON
- 9" NON-REINFORCED CONCRETE PAVEMENT WITH 15' JOINTS
- OPTIONAL PAVEMENT

STA. 80+11.68 ℄ (ROUTE CC NORTH)=
STA. 3+86.62 ℄ (CIRCULATORY ROADWAY)

STA. 80+81.68 ℄ (ROUTE CC NORTH)=
STA. 6+19.69 ℄ (CEDAR STREET)=
STA. 0+00.00 ℄ (MAIN STREET)=
STA. 0+49.34 ℄ (ROUTE CC EAST)

START STA 0+00.00
PC STA 2+10.95
PT STA 4+36.83
2+04.83
4+08.57
CEDAR STREET
N89°17'33"E
℄ CEDAR STREET

PI 3+24.37
PC 2+10.95
PT 4+36.83
Δ 12°56'32.0" (RT)
D 5°43'46.5"
L 225.88' (ARC)
T 113.42'
R 1,000.00'

S01°27'23"W
START STA 6+19.69
START STA 0+00.00
END STA 4+39.82
END STA 0+49.34
S77°45'55"E
END STA 80+81.68
START STA 0+00.00
ROUTE CC EAST
℄ ROUTE CC EAST

PI 0+00.00
PC 0+00.00
PT 0+00.00
Δ 359°59'57.1" (RT)
D 81°51'4.0"
L 439.82' (ARC)
T 0.00'
R 70.00'

4+74.38
PC STA 7+00.38
PT STA 9+58.84
9+81.66
END STA 10+25.00
S87°07'44"E
S88°58'48"E
0+26.00

STA. 5+49.69 ℄ (CEDAR STREET)=
STA. 2+89.84 ℄ (CIRCULATORY ROADWAY)

℄ CIRCULATORY ROADWAY

STA. 0+70.00 ℄ (MAIN STREET)=
STA. 1+78.75 ℄ (CIRCULATORY ROADWAY)

S11°18'19"W
MAIN STREET
PC STA 2+29.87
℄ MAIN STREET
3+18.09
PT STA 3+43.26
S01°40'51"W
3+75.00

PI 2+86.70
PC 2+29.87
PT 3+43.26
Δ 9°37'27.6" (LT)
D 8°29'17.7"
L 113.38' (ARC)
T 56.83'
R 675.00'

S01°21'27"W
ROSEWOOD LANE
℄ ROSEWOOD LANE
1+53.48
END STA 1+96.92

STA. 4+31.38 ℄ (ROUTE CC EAST)=
STA. 0+00.00 ℄ (ROSEWOOD LANE)

PI 8+29.62
PC 7+00.38
PT 9+58.84
Δ 1°51'4.0" (RT)
D 0°42'58.3"
L 258.46' (ARC)
T 129.24'
R 8,000.00'

STA. 1+19.34 ℄ (ROUTE CC EAST)=
STA. 0+56.22 ℄ (CIRCULATORY ROADWAY)

PAVEMENT MAP
SPECIAL SHEET
13 OF 14

Jonathan W. Peitz
2024.08.09 15:04:45 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED 8/9/2024
ROUTE CC | STATE MO
DISTRICT SW | SHEET NO. 33
COUNTY CHRISTIAN
JOB NO. J8S0736F
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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF AUTHORITY NO. 001592

STA. 74+69.00 ℄ (ROUTE CC NORTH)=
STA. 0+00.00 ℄ (ENT CC NORTH 7469 LT)

START STA 73+20.00

℄ ENT CC NORTH 7469 LT

PC STA 74+26.27

75

℄ ROUTE CC NORTH

SCALE
0 60 120 180

STA. 76+45.00 ℄ (ROUTE CC NORTH)=
STA. 0+75.41 ℄ (ENT CC NORTH 7645 RT)

℄ ENT CC NORTH 7645 RT

PT STA 76+45.63

PC STA 77+00.36

STA. 77+54.00 ℄ (ROUTE CC NORTH)=
STA. 1+02.49 ℄ (ENT CC NORTH 7754 RT)

℄ ENT CC NORTH 7754 RT

STA. 77+83.00 ℄ (ROUTE CC NORTH)=
STA. 0+00.00 ℄ (ENT CC NORTH 7783 LT)

℄ ENT CC NORTH 7783 LT

START STA 0+00.00
END STA 4+39.82

STA. 80+11.68 ℄ (ROUTE CC NORTH)=
STA. 3+86.62 ℄ (CIRCULATORY ROADWAY)

STA. 80+81.68 ℄ (ROUTE CC NORTH)=
STA. 6+19.69 ℄ (CEDAR STREET)=
STA. 0+00.00 ℄ (MAIN STREET)=
STA. 0+49.34 ℄ (ROUTE CC EAST)

℄ CEDAR STREET

START STA 0+00.00

PC STA 2+10.95

PT STA 4+36.83

PT STA 78+90.47

℄ ROUTE CC EAST

PC STA 7+00.38

PT STA 9+58.84

END STA 10+25.00

STA. 5+49.69 ℄ (CEDAR STREET)=
STA. 2+89.84 ℄ (CIRCULATORY ROADWAY)

℄ CIRCULATORY ROADWAY

STA. 0+70.00 ℄ (MAIN STREET)=
STA. 1+78.75 ℄ (CIRCULATORY ROADWAY)

PC STA 2+29.87

℄ MAIN STREET

PT STA 3+43.26

℄ ROSEWOOD LANE
END STA 1+96.92

STA. 1+19.34 ℄ (ROUTE CC EAST)=
STA. 0+56.22 ℄ (CIRCULATORY ROADWAY)

STA. 4+31.38 ℄ (ROUTE CC EAST)=
STA. 0+00.00 ℄ (ROSEWOOD LANE)

CROSS SECTION LOCATIONS
SPECIAL SHEET
SHEET 14 OF 14

Jonathan Peitz
2024.08.09 13:34:35 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	34

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

SPACING AND TAPER LENGTHS FOR WORK ZONE SIGNS, CHANNELIZERS AND CONCRETE BARRIER

SIGN SPACING FOR ADVANCE SIGN SERIES (1)		
PERMANENT POSTED SPEED MPH	UNDIVIDED HIGHWAYS	DIVIDED HIGHWAYS
0-35	200′	200′
40-45	350′	500′
50-55	500′	1000′
60-70	1000′	SA - 1000′ SB - 1500′ SC - 2640′

TAPER LENGTHS AND END TREATEMENTS FOR CONCRETE BARRIER				
PERMANENT POSTED SPEED MPH	MINIMUM LANE TAPER LENGTH (2) 10′	11′	12′	END TREATMENT (3)
<40	160′	168′	176′	BARRIER HEIGHT TRANSITION
>40	160′	168′	176′	APPROVED CRASH CUSHION

TAPER LENGTHS AND SPACING FOR CHANNELIZERS							
PERMANENT POSTED SPEED MPH	MINIMUM LANE TAPER LENGTH 10′	11′	12′	MINIMUM SHOULDER TAPER LENGTH BASED ON 10′ SHOULDER	BUFFER LENGTH FT.	MAXIMUM CHANNELIZER SPACING THROUGH TAPER	THROUGH WORK AREA
0-35	205′	225′	245′	70′	280′	35′	40′
40-45	450′	495′	540′	150′	400′	40′	80′
50-55	550′	605′	660′	185′	560′	50′	80′
60-70	700′	770′	840′	235′	840′	60′	120′

NOTE:
SEE STANDARD PLAN 616.10 FOR TEMPORARY TRAFFIC CONTROL DEVICES.

NOTES:

(1) SPACING BETWEEN SIGNS AND SPACING BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER, OF SIGNED CONDITION MAY BE ADJUSTED BY INCREASING TO ACCOMMODATE FIELD CONDITIONS AND VISIBILITY.

(2) TAPER LENGTHS SHOWN INCLUDE LENGTH REQUIRED FOR LANE AND 10′ SHOULDER.

(3) CONCRETE BARRIER MAY BE INSTALLED AT AND 8:1 FLARE RATE FROM THE SHOULDER POINT TO THE LIMITS OF THE CLEAR ZONE WHERE THE SIDE SLOPE IS 6:1 OR FLATTER. CONTRACTOR MAY PROVIDE CONCRETE BARRIER AT OWN EXPENSE. INCIDENTAL TO PROJECT.

GENERAL NOTES:

1. AS WITH ALL CONSTRUCTION ACTIVITIES TRAFFIC SITUATIONS ARE SUBJECT TO CHANGE. THE CONTRACTOR SHALL BE AWARE THAT ALL TEMPORARY TRAFFIC CONTROL SHALL CONFORM TO THE STANDARDS OUTLINED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) THE MISSOURI STANDARD PLANS FOR HIGHWAY CONSTRUCTION, SECTION 600 AND SHALL FOLLOW THE GUIDELINES IN THE MoDOT "TRAFFIC CONTROL FOR FIELD OPERATIONS MANUAL".

2. TEN (10) PORTABLE CHANGEABLE MESSAGE SIGNS (CMS) SHALL BE SUPPLIED A MINIMUM OF FOURTEEN (14) DAYS IN ADVANCE OF ANY TURNING RESTRICTIONS, LANE CLOSURES, OR DETOURS REQUIRED BY THE TEMPORARY TRAFFIC CONTROL. CMS SIGNS SHALL BE PLACED AT THE INTERSECTION OF ROUTE CC AND MAIN STREET PRIOR TO CONSTRUCTION COMMENCEMENT TO NOTIFY OF PLANNED CLOSURE. DURING CONSTRUCTION, CMS SHALL BE RELOCATED AS DIRECTED BY THE MoDOT ENGINEER.

3. PLACE A 'ROAD WORK AHEAD' SIGN ON THE APPROACH TO ALL INTERSECTIONS WHERE THE ADVANCE SIGNING FOR THE TEMPORARY TRAFFIC CONTROL EXTENDS PAST THAT INTERSECTION.

4. NOTIFY JASON EVENDEN MoDOT RESIDENT ENGINEER AT 417-408-4650 (OFFICE) 48-HOURS IN ADVANCE OF ANY LANE CLOSURE OR ROADWAY CLOSURE.

5. ALL EXISTING SIGNS SHALL BE USED IN PLACE. ADJUSTED AND/OR COVERED AS CONDITIONS REQUIRE.

6. REFER TO MoDOT STANDARD PLANS 619.10J. SHEETS 1-3 FOR "PAVEMENT EDGE TREATMENT" DETAILS. THE CONTRACTOR SHALL BE REQUIRED TO FOLLOW THIS STANDARD DURING WORKING AND NON-WORKING HOURS.

7. ALL STATIONING, DISTANCES, AND SPACING OF WORK ZONES DEVICES ARE APPROXIMATE AND MAY BE REVISED AS APPROVED BY ENGINEER.

8. TYPE III MOVEABLE BARRICADES TO BE LOCATED AS APPROVED BY THE ENGINEER TO FIT FIELD CONDITIONS.

9. FIRST ORDER OF WORK ON ALL PHASES SHALL BE PLACEMENT OF ALL WORK ZONE WARNING DEVICES AND SIGNS AS NOTED.

10. SIGNS SHALL REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETED OR AS APPROVED BY THE ENGINEER.

11. SIGNS LEFT IN PLACE OVERNIGHT MUST BE MOUNTED AT 5′ MINIMUM.

12. ALTERNATE TRAFFIC CONTROL MAY BE USED AS NEEDED AT THE APPROVAL OF THE ENGINEER.

13. SPEED LIMIT SIGNS INDICATING THE NORMAL SPEED LIMIT SHALL BE INSTALLED AT THE END OF THE WORK ZONE, NO FURTHER WORK ZONES WILL BE ENCOUNTERED WITHIN THE NEXT 1/2 MILE.

14. TEMPORARY SPEED LIMIT SIGNS SHALL BE COVERED OR REMOVED WHEN THE CONDITIONS REQUIRING REDUCED SPEEDS DO NOT EXIST.

15. NO DIRECT PAYMENT WILL BE MADE FOR RELOCATION OF CHANNELIZERS OR CONSTRUCTION SIGNS.

16. DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS.

17. REFER TO MoDOT STANDARD PLAN, 612.20 FOR SAND FILLED IMPACT ATTENUATORS AND 617.20 FOR TEMPORARY CONCRETE TRAFFIC BARRIER.

Jacob Berry
2024.08.09 17:30:38-05'00'

STATE OF MISSOURI
JACOB ALDEN BERRY
NUMBER PE-2021035235
PROFESSIONAL ENGINEER

JACOB ALDEN BERRY - ENGINEER
MO# PE-2021035235

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	35

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

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

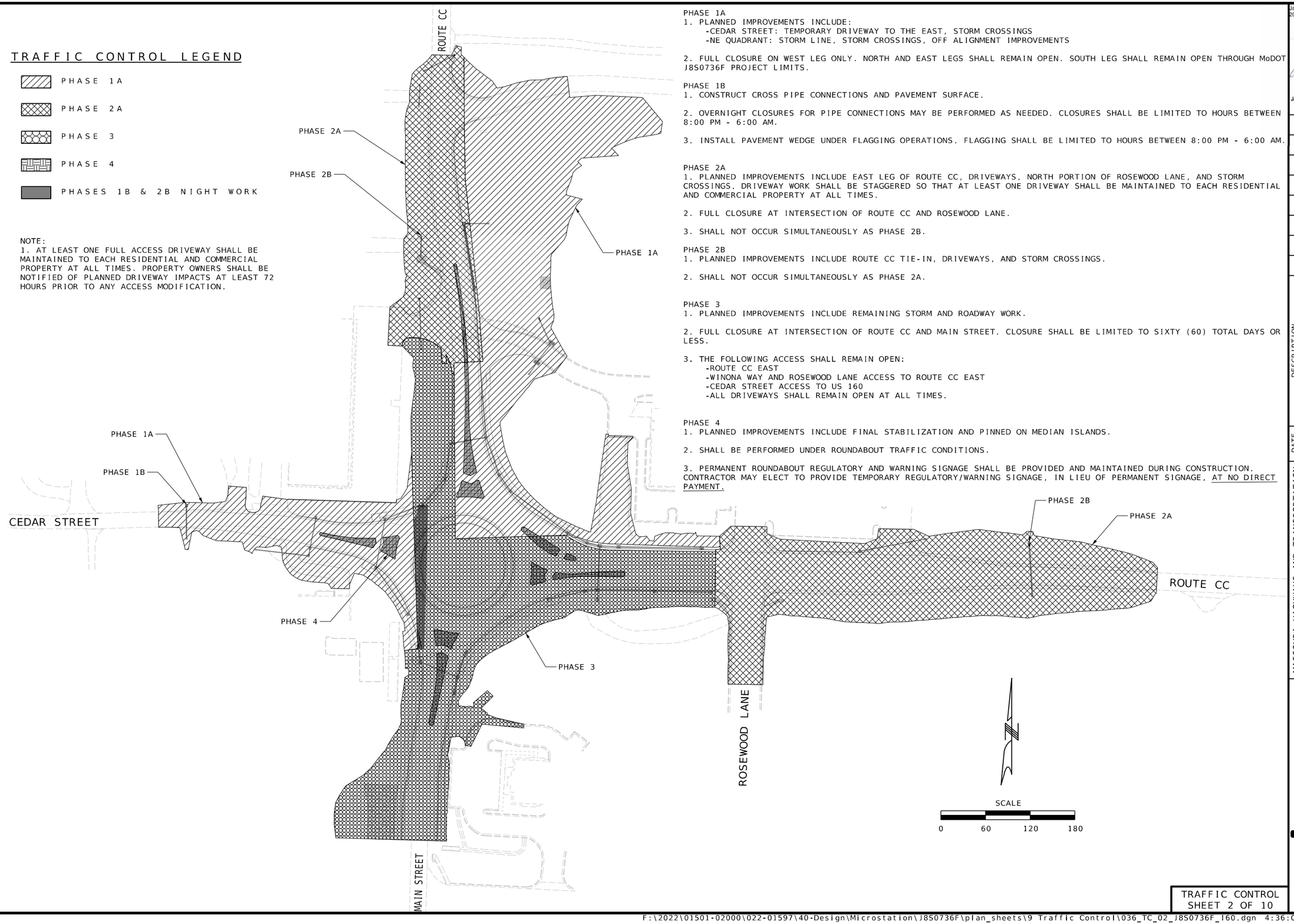
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

TRAFFIC CONTROL LEGEND

- PHASE 1A
- PHASE 2A
- PHASE 3
- PHASE 4
- PHASES 1B & 2B NIGHT WORK

NOTE:
1. AT LEAST ONE FULL ACCESS DRIVEWAY SHALL BE MAINTAINED TO EACH RESIDENTIAL AND COMMERCIAL PROPERTY AT ALL TIMES. PROPERTY OWNERS SHALL BE NOTIFIED OF PLANNED DRIVEWAY IMPACTS AT LEAST 72 HOURS PRIOR TO ANY ACCESS MODIFICATION.



PHASE 1A
1. PLANNED IMPROVEMENTS INCLUDE:
   -CEDAR STREET: TEMPORARY DRIVEWAY TO THE EAST, STORM CROSSINGS
   -NE QUADRANT: STORM LINE, STORM CROSSINGS, OFF ALIGNMENT IMPROVEMENTS

2. FULL CLOSURE ON WEST LEG ONLY. NORTH AND EAST LEGS SHALL REMAIN OPEN. SOUTH LEG SHALL REMAIN OPEN THROUGH MoDOT J8S0736F PROJECT LIMITS.

PHASE 1B
1. CONSTRUCT CROSS PIPE CONNECTIONS AND PAVEMENT SURFACE.

2. OVERNIGHT CLOSURES FOR PIPE CONNECTIONS MAY BE PERFORMED AS NEEDED. CLOSURES SHALL BE LIMITED TO HOURS BETWEEN 8:00 PM - 6:00 AM.

3. INSTALL PAVEMENT WEDGE UNDER FLAGGING OPERATIONS. FLAGGING SHALL BE LIMITED TO HOURS BETWEEN 8:00 PM - 6:00 AM.

PHASE 2A
1. PLANNED IMPROVEMENTS INCLUDE EAST LEG OF ROUTE CC, DRIVEWAYS, NORTH PORTION OF ROSEWOOD LANE, AND STORM CROSSINGS. DRIVEWAY WORK SHALL BE STAGGERED SO THAT AT LEAST ONE DRIVEWAY SHALL BE MAINTAINED TO EACH RESIDENTIAL AND COMMERCIAL PROPERTY AT ALL TIMES.

2. FULL CLOSURE AT INTERSECTION OF ROUTE CC AND ROSEWOOD LANE.

3. SHALL NOT OCCUR SIMULTANEOUSLY AS PHASE 2B.

PHASE 2B
1. PLANNED IMPROVEMENTS INCLUDE ROUTE CC TIE-IN, DRIVEWAYS, AND STORM CROSSINGS.

2. SHALL NOT OCCUR SIMULTANEOUSLY AS PHASE 2A.

PHASE 3
1. PLANNED IMPROVEMENTS INCLUDE REMAINING STORM AND ROADWAY WORK.

2. FULL CLOSURE AT INTERSECTION OF ROUTE CC AND MAIN STREET. CLOSURE SHALL BE LIMITED TO SIXTY (60) TOTAL DAYS OR LESS.

3. THE FOLLOWING ACCESS SHALL REMAIN OPEN:
   -ROUTE CC EAST
   -WINONA WAY AND ROSEWOOD LANE ACCESS TO ROUTE CC EAST
   -CEDAR STREET ACCESS TO US 160
   -ALL DRIVEWAYS SHALL REMAIN OPEN AT ALL TIMES.

PHASE 4
1. PLANNED IMPROVEMENTS INCLUDE FINAL STABILIZATION AND PINNED ON MEDIAN ISLANDS.

2. SHALL BE PERFORMED UNDER ROUNDABOUT TRAFFIC CONDITIONS.

3. PERMANENT ROUNDABOUT REGULATORY AND WARNING SIGNAGE SHALL BE PROVIDED AND MAINTAINED DURING CONSTRUCTION. CONTRACTOR MAY ELECT TO PROVIDE TEMPORARY REGULATORY/WARNING SIGNAGE, IN LIEU OF PERMANENT SIGNAGE, AT NO DIRECT PAYMENT.

Jacob Berry
2024.08.09 17:30:07-05'00'

STATE OF MISSOURI
JACOB ALDEN BERRY
NUMBER PE-2021035235
PROFESSIONAL ENGINEER

JACOB ALDEN BERRY - ENGINEER
MO# PE-2021035235

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	36

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

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

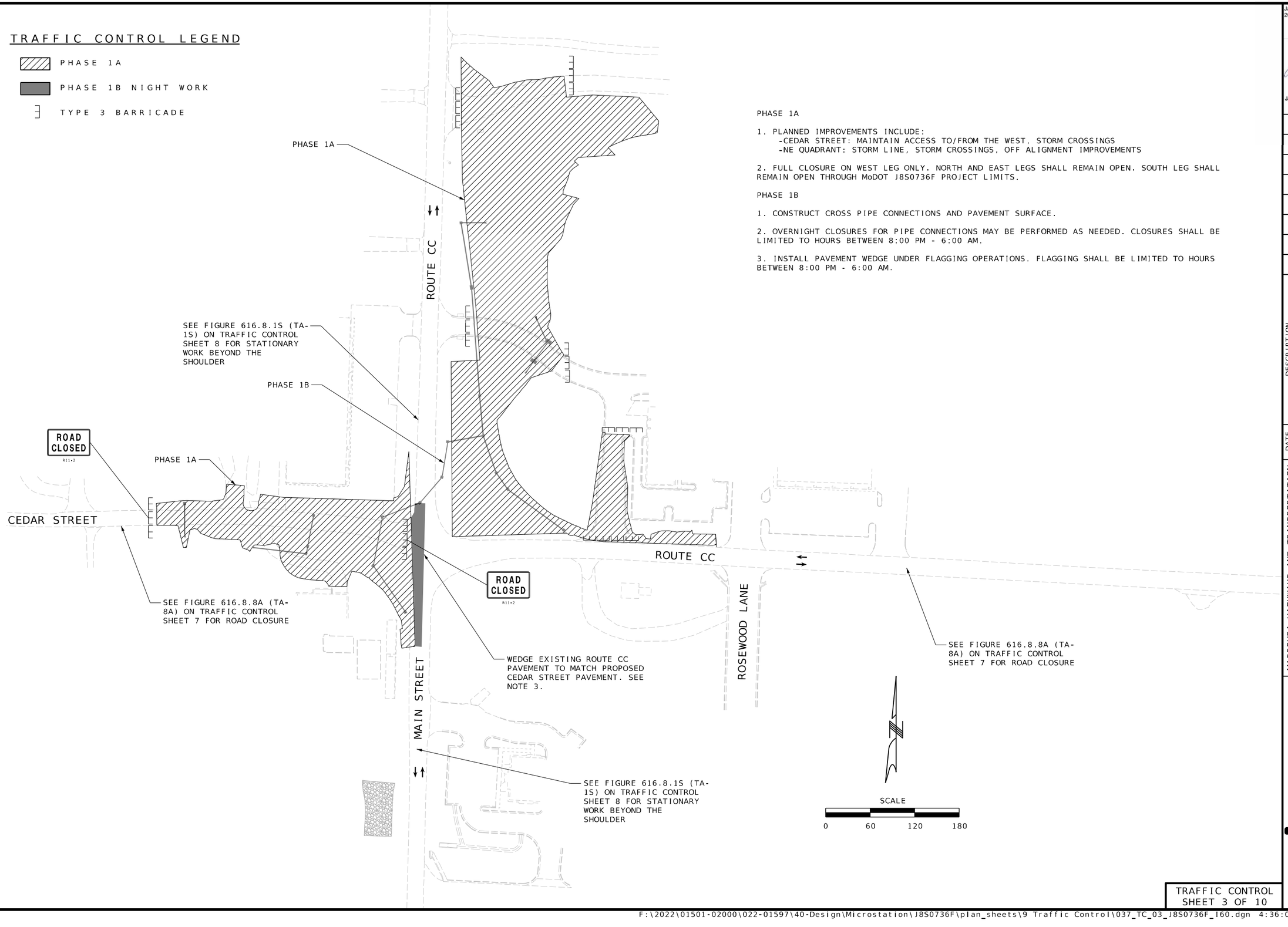
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

TRAFFIC CONTROL
SHEET 2 OF 10

TRAFFIC CONTROL LEGEND

- PHASE 1A
- PHASE 1B NIGHT WORK
- TYPE 3 BARRICADE



PHASE 1A

1. PLANNED IMPROVEMENTS INCLUDE:
   -CEDAR STREET: MAINTAIN ACCESS TO/FROM THE WEST, STORM CROSSINGS
   -NE QUADRANT: STORM LINE, STORM CROSSINGS, OFF ALIGNMENT IMPROVEMENTS

2. FULL CLOSURE ON WEST LEG ONLY. NORTH AND EAST LEGS SHALL REMAIN OPEN. SOUTH LEG SHALL REMAIN OPEN THROUGH MoDOT J8S0736F PROJECT LIMITS.

PHASE 1B

1. CONSTRUCT CROSS PIPE CONNECTIONS AND PAVEMENT SURFACE.

2. OVERNIGHT CLOSURES FOR PIPE CONNECTIONS MAY BE PERFORMED AS NEEDED. CLOSURES SHALL BE LIMITED TO HOURS BETWEEN 8:00 PM - 6:00 AM.

3. INSTALL PAVEMENT WEDGE UNDER FLAGGING OPERATIONS. FLAGGING SHALL BE LIMITED TO HOURS BETWEEN 8:00 PM - 6:00 AM.

Jacob Berry
2024.08.09 17:29:41-05'00'

STATE OF MISSOURI
JACOB ALDEN BERRY
NUMBER PE-2021035235
PROFESSIONAL ENGINEER

JACOB ALDEN BERRY - ENGINEER
MO# PE-2021035235

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	37

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

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)

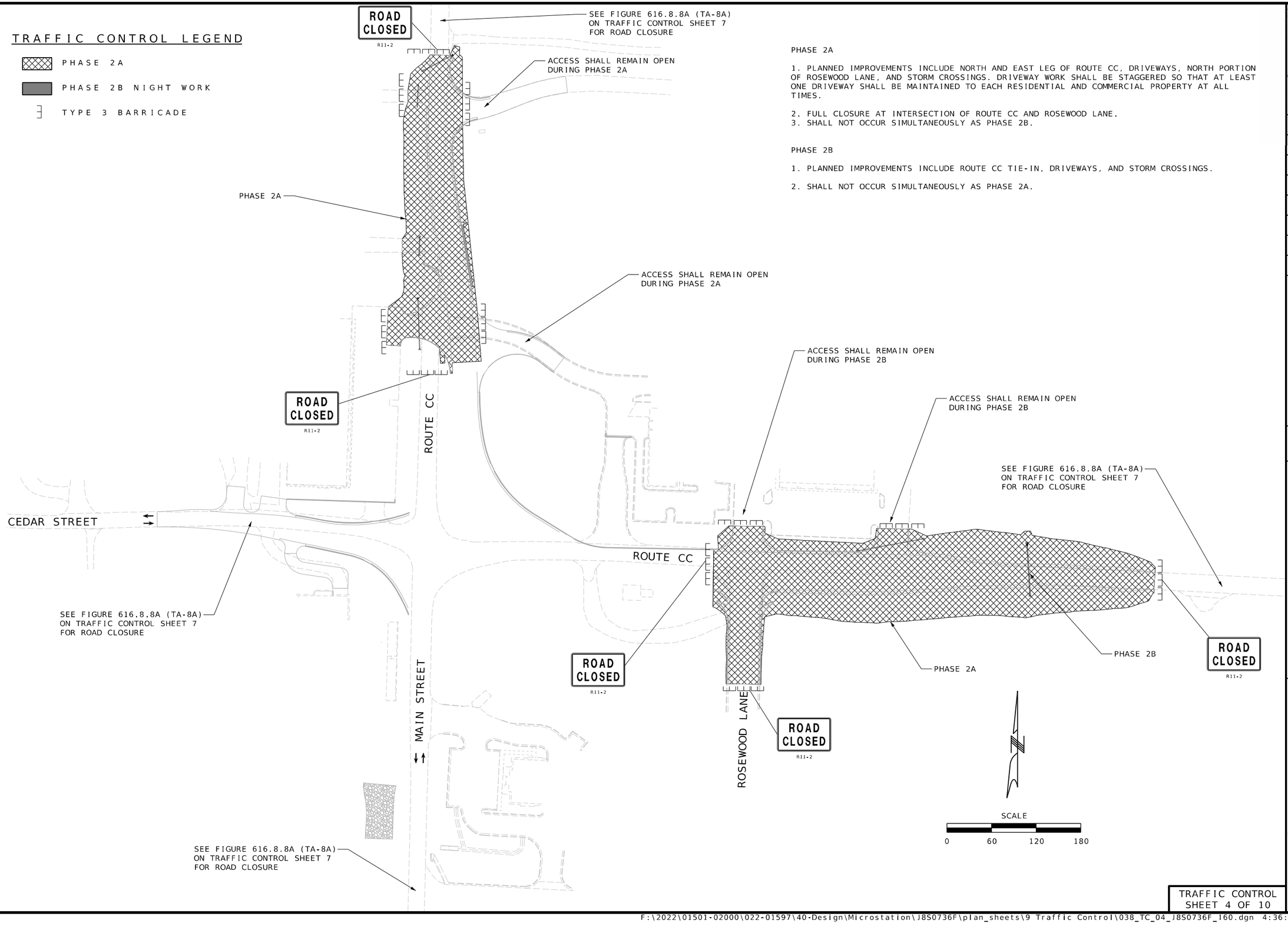
MoDOT

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF AUTHORITY NO. 001592

TRAFFIC CONTROL SHEET 3 OF 10

TRAFFIC CONTROL LEGEND

- PHASE 2A
- PHASE 2B NIGHT WORK
- TYPE 3 BARRICADE



PHASE 2A

1. PLANNED IMPROVEMENTS INCLUDE NORTH AND EAST LEG OF ROUTE CC, DRIVEWAYS, NORTH PORTION OF ROSEWOOD LANE, AND STORM CROSSINGS. DRIVEWAY WORK SHALL BE STAGGERED SO THAT AT LEAST ONE DRIVEWAY SHALL BE MAINTAINED TO EACH RESIDENTIAL AND COMMERCIAL PROPERTY AT ALL TIMES.

2. FULL CLOSURE AT INTERSECTION OF ROUTE CC AND ROSEWOOD LANE.
3. SHALL NOT OCCUR SIMULTANEOUSLY AS PHASE 2B.

PHASE 2B

1. PLANNED IMPROVEMENTS INCLUDE ROUTE CC TIE-IN, DRIVEWAYS, AND STORM CROSSINGS.

2. SHALL NOT OCCUR SIMULTANEOUSLY AS PHASE 2A.

Jacob Berry
2024.08.09 17:31:02-05'00'

STATE OF MISSOURI
JACOB ALDEN BERRY
NUMBER PE-2021035235
PROFESSIONAL ENGINEER

JACOB ALDEN BERRY - ENGINEER
MO# PE-2021035235

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	38

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

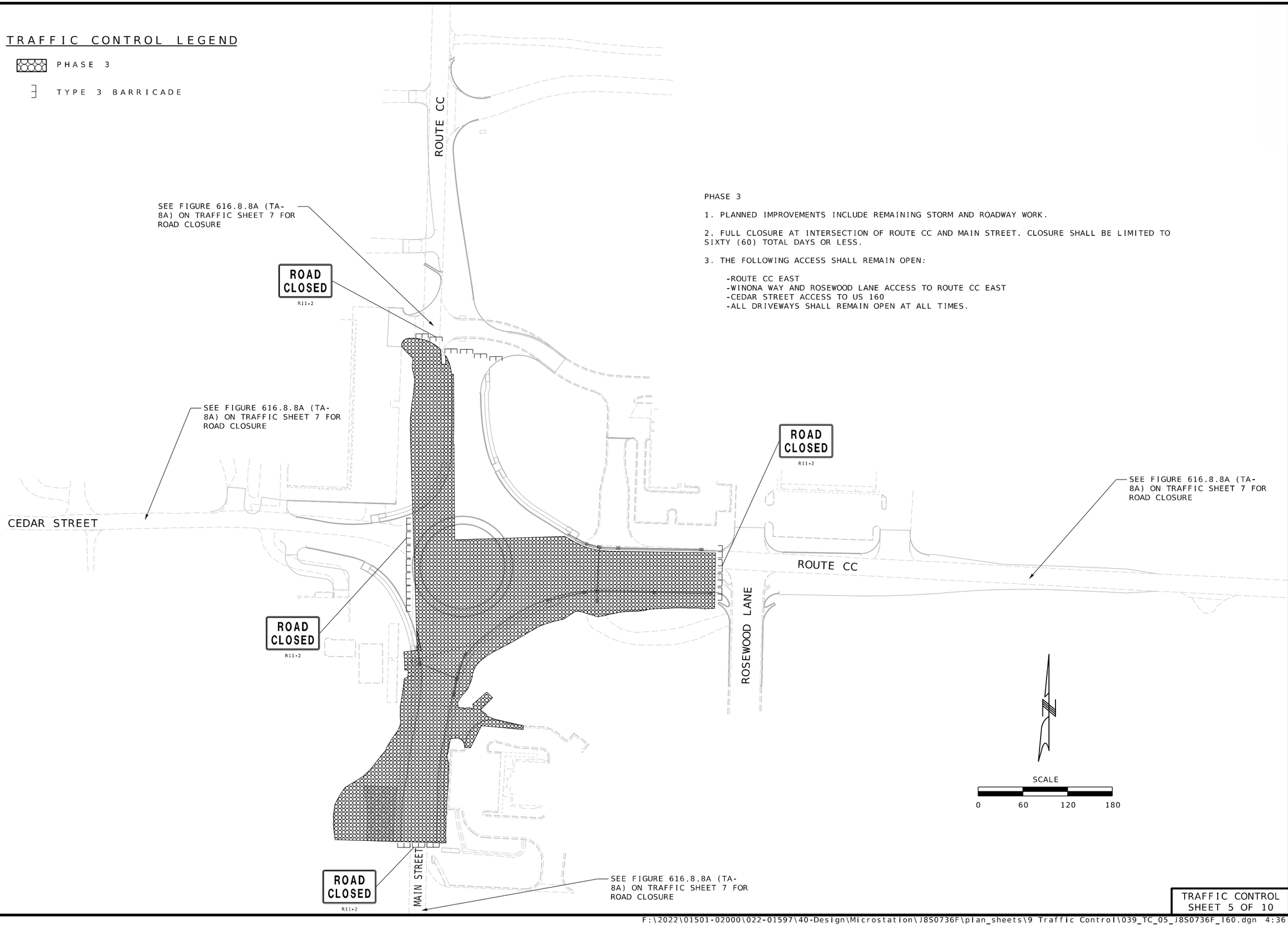
TRAFFIC CONTROL
SHEET 4 OF 10

F:\2022\01501-02000\022-01597\40-Design\Microstation\J8S0736F\plan_sheets\9 Traffic Control\038_TC_04_J8S0736F_160.dgn 4:36:09 PM 8/9/2024

TRAFFIC CONTROL LEGEND

PHASE 3

TYPE 3 BARRICADE



PHASE 3

1. PLANNED IMPROVEMENTS INCLUDE REMAINING STORM AND ROADWAY WORK.

2. FULL CLOSURE AT INTERSECTION OF ROUTE CC AND MAIN STREET. CLOSURE SHALL BE LIMITED TO SIXTY (60) TOTAL DAYS OR LESS.

3. THE FOLLOWING ACCESS SHALL REMAIN OPEN:

-ROUTE CC EAST
-WINONA WAY AND ROSEWOOD LANE ACCESS TO ROUTE CC EAST
-CEDAR STREET ACCESS TO US 160
-ALL DRIVEWAYS SHALL REMAIN OPEN AT ALL TIMES.

Jacob Berry
2024.08.09 17:31:26-05'00'

STATE OF MISSOURI
JACOB ALDEN BERRY
NUMBER PE-2021035235
PROFESSIONAL ENGINEER

JACOB ALDEN BERRY - ENGINEER
MO# PE-2021035235

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	39

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

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

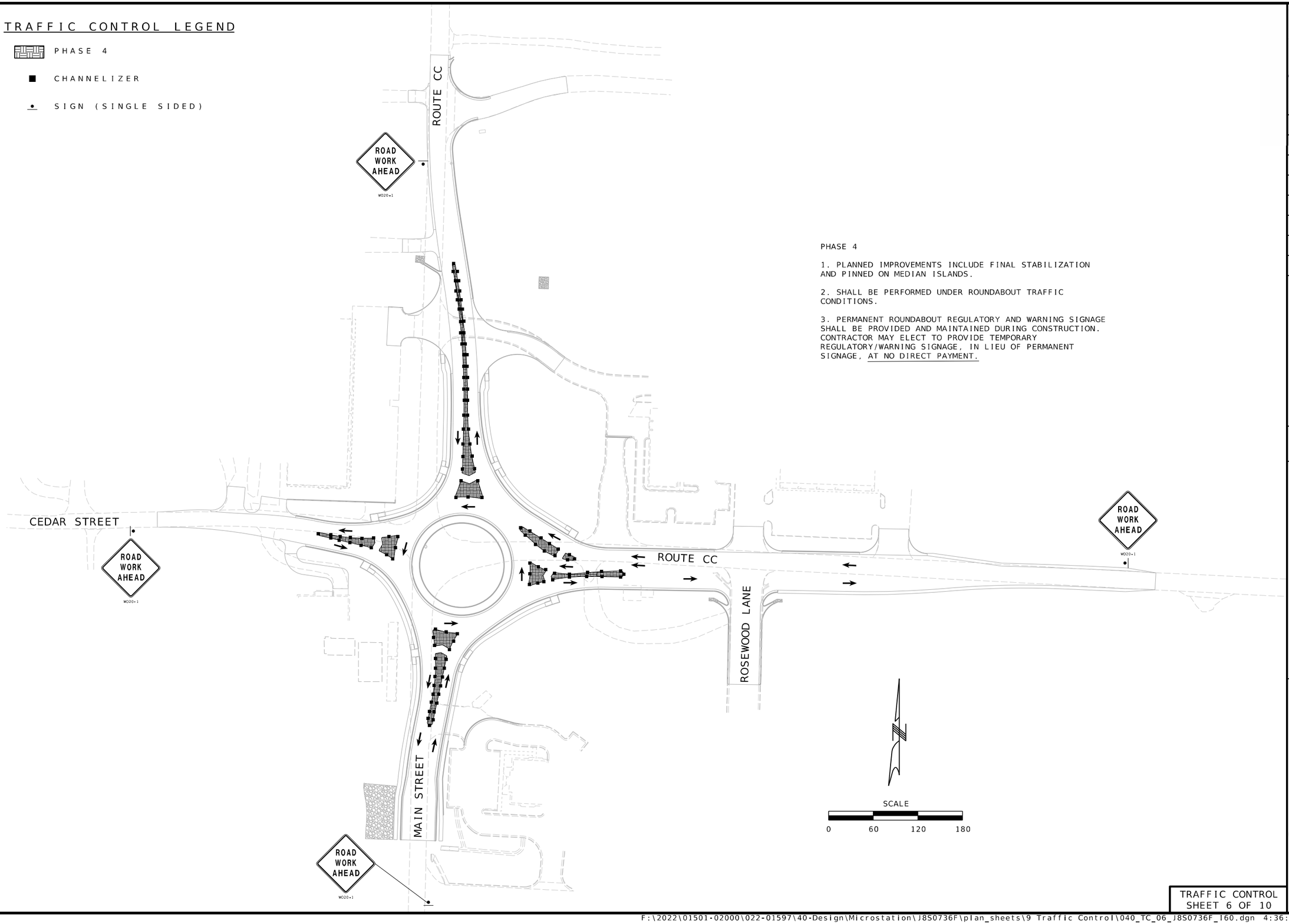
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF AUTHORITY NO. 001592

TRAFFIC CONTROL
SHEET 5 OF 10

TRAFFIC CONTROL LEGEND

- PHASE 4
- CHANNELIZER
- SIGN (SINGLE SIDED)



PHASE 4

1. PLANNED IMPROVEMENTS INCLUDE FINAL STABILIZATION AND PINNED ON MEDIAN ISLANDS.

2. SHALL BE PERFORMED UNDER ROUNDABOUT TRAFFIC CONDITIONS.

3. PERMANENT ROUNDABOUT REGULATORY AND WARNING SIGNAGE SHALL BE PROVIDED AND MAINTAINED DURING CONSTRUCTION. CONTRACTOR MAY ELECT TO PROVIDE TEMPORARY REGULATORY/WARNING SIGNAGE, IN LIEU OF PERMANENT SIGNAGE, AT NO DIRECT PAYMENT.

Jacob Berry
2024.08.09 17:31:48-05'00'

STATE OF MISSOURI
JACOB ALDEN BERRY
NUMBER PE-2021035235
PROFESSIONAL ENGINEER

JACOB ALDEN BERRY - ENGINEER
MO# PE-2021035235

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	40

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

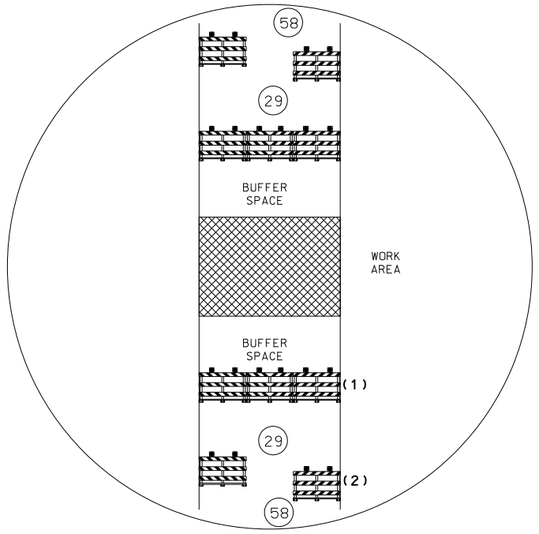
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF AUTHORITY NO. 001592

TRAFFIC CONTROL
SHEET 6 OF 10



WORK AREA
ROAD CLOSURE
DETAIL

PLACE THIS SIGN 500' BEFORE ROAD CLOSED SIGN IS NEEDED

GENERAL NOTES:
(1) ROAD CLOSED SIGN MAY BE PLACED 7-10 FEET BEHIND THE BARRICADES AND AT A SIGN HEIGHT APPROPRIATE TO THE TYPE OF ROADWAY. ONE BARRICADE SHOULD BE REQUIRED TO COMPLETELY CLOSED EVERY 8-FEET OF PAVEMENT. PAVED SHOULDERS SHOULD BE INCLUDED IN THE AREA TO BE CLOSED.

(2) ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY SIGNS SHOULD BE LOCATED AT THE FIRST STATE ROUTE OR, UPON THE DISCRETION OF THE SUPERVISOR, ANY OTHER INTERSECTION IN ADVANCE OF THE CLOSURE. ADDITIONAL BARRICADES MAY BE USED AND OFFSET TO FACILITATE ACCESS FOR VEHICLES, LOCAL TRAFFIC, ETC.

(3) FLAG ASSEMBLIES SHOULD BE PROVIDED WITH ROAD CLOSED AHEAD SIGNING, IF PROVIDED, THE COST FOR FLAG ASSEMBLIES SHALL BE INCLUDED WITH THE COST OF CONSTRUCTION SIGNS.

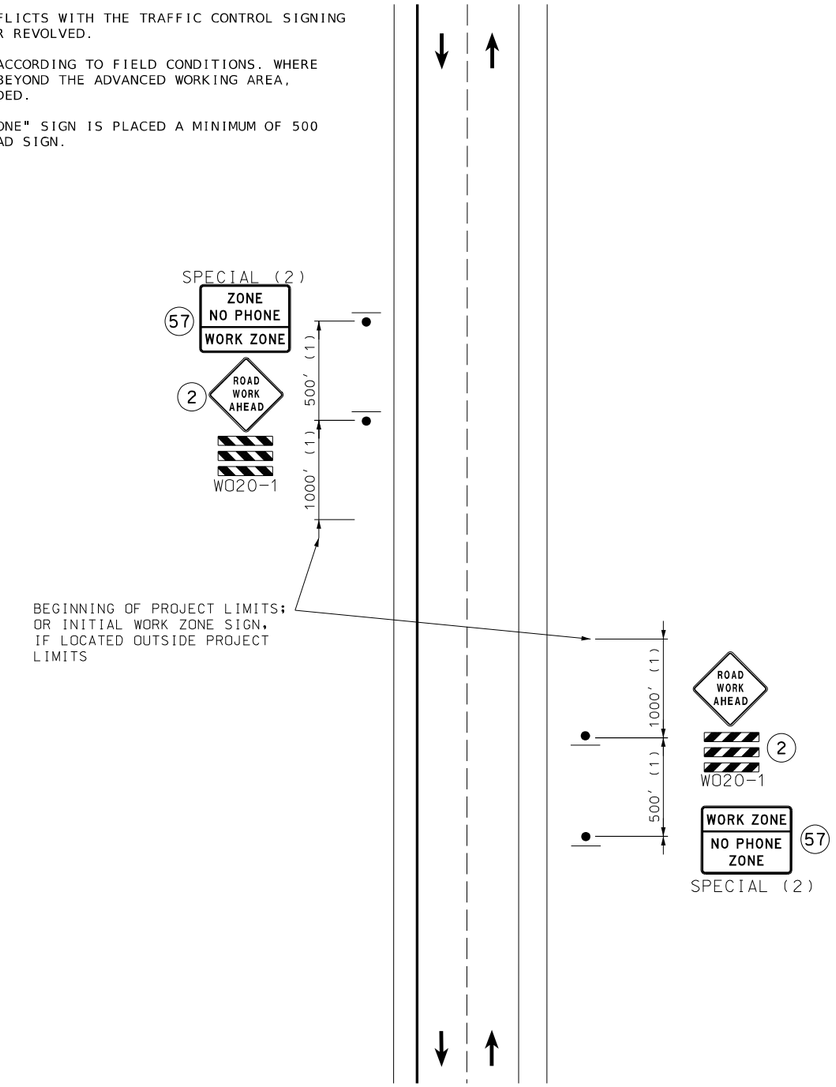
END CLOSURE

NOTES:

ANY EXISTING SIGNING THAT CONFLICTS WITH THE TRAFFIC CONTROL SIGNING SHALL BE COMPLETELY COVERED OR REVOLVED.

(1) DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS. WHERE TRAFFIC BACKUPS ARE EXPECTED BEYOND THE ADVANCED WORKING AREA, ADDITIONAL SIGNING MAY BE NEEDED.

(2) THE "WORK ZONE ON PHONE ZONE" SIGN IS PLACED A MINIMUM OF 500 FEET BEFORE THE ROAD WORK AHEAD SIGN.



BEGIN/END PROJECT SIGNING

Jacob Berry
2024.08.09 17:32:09-05'00'

STATE OF MISSOURI
JACOB ALDEN BERRY
NUMBER PE-2021035235
PROFESSIONAL ENGINEER

JACOB ALDEN BERRY - ENGINEER
MO# PE-2021035235

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	41

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

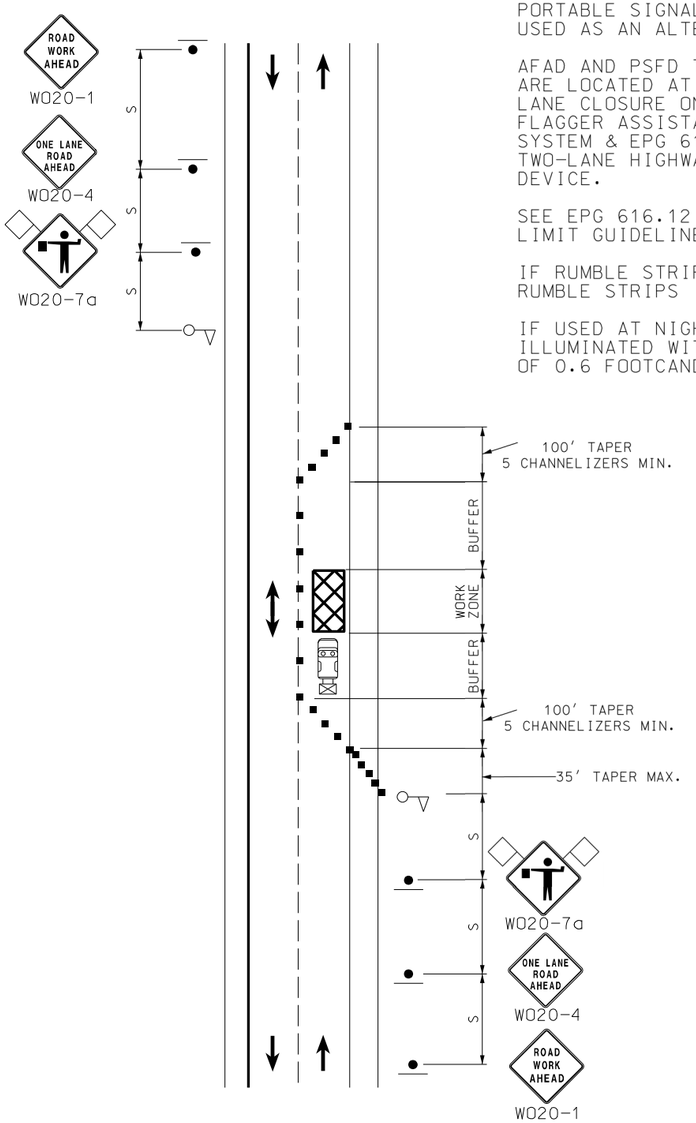
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE

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

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF AUTHORITY NO. 001592

TRAFFIC CONTROL
SHEET 7 OF 10



LANE CLOSURE ON TWO-LANE ROAD USING FLAGGERS

USE OF FLAGGERS NOTES:
AUTOMATED FLAGGER ASSISTANCE DEVICES (AFAD) AND PORTABLE SIGNAL FLAGGING DEVICES (PSFD) MAY BE USED AS AN ALTERNATIVE FLAGGING OPERATION.

AFAD AND PSFD TYPICAL APPLICATIONS AND CRITERIA ARE LOCATED AT THE FOLLOWING: EPG 616.8.10A (TA-10A) LANE CLOSURE ON TWO-LANE HIGHWAYS USING AUTOMATED FLAGGER ASSISTANCE DEVICE WITH RED AND AMBER SIGNAL SYSTEM & EPG 616.8.10C (TA-10C) LANE CLOSURE ON TWO-LANE HIGHWAYS USING PORTABLE SIGNAL FLAGGING DEVICE.

SEE EPG 616.12 WORK ZONE SPEED LIMITS FOR SPEED LIMIT GUIDELINES.

IF RUMBLE STRIPS ARE USED, REVIEW 616.6.87 RUMBLE STRIPS

IF USED AT NIGHT, THE FLAGGER STATIONS SHALL BE ILLUMINATED WITH AN AVERAGE MAINTAINED INTESITY OF 0.6 FOOTCANDLES (6.5 LUX).

SIGN SPACING FOR ADVANCE SIGN SERIES (1) (2)		
PERMANENT POSTED SPEED MPH	S UNDIVIDED HIGHWAYS	S DIVIDED HIGHWAYS
0-35	200'	200'
40-45	350'	500'
50-55	500'	1000'
60-70	1000'	SA - 1000' SB - 1500' SC - 2640'

SHOULDER WORK 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.

SEE EPG 616.12 WORK ZONE SPEED LIMIT GUIDELINES.

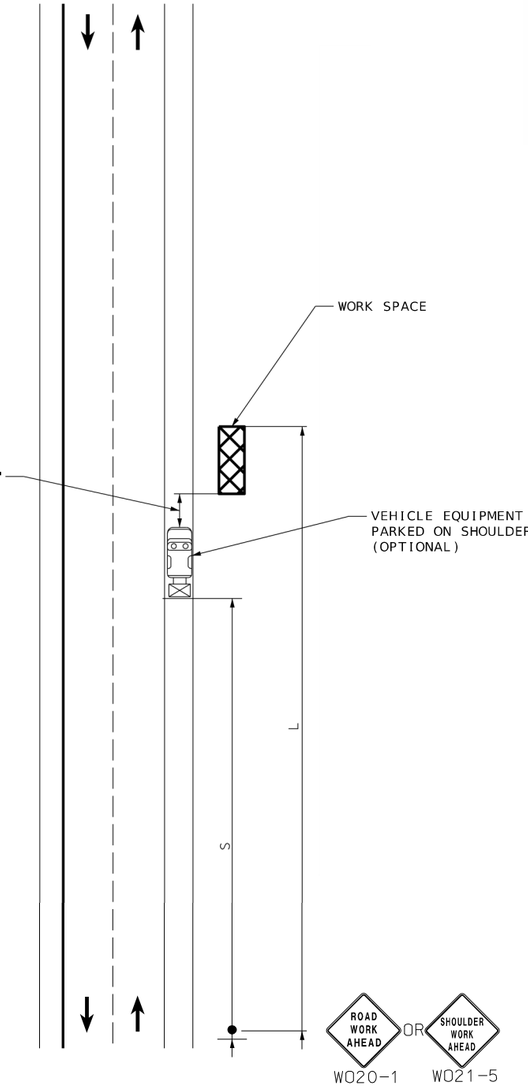
(3) NEXT XX MILES SIGN NOT REQUIRED FOR NARROW LANE SECTIONS LESS THAN ONE MILE.

THE PROTECTIVE VEHICLE MAY BE OMITTED IF A TAPER AND CHANNELIZING DEIVCES 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 WORK IS NOT IN PROGRESS.

VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF VEHICLES ROTATING LIGHTS OR STROBE LIGHTS.

SHADOW AND WORK VEHICLES SHALL DISPLAY HIGH-DENSITY ROTATING, FLASHING, OSCILLATING, OR STROE LIGHTS.



SHOULDER WORK BEYOND THE SHOULDER

Jacob Berry
2024.08.09 17:32:32-05'00'

STATE OF MISSOURI
JACOB ALDEN BERRY
NUMBER PE-2021035235
PROFESSIONAL ENGINEER

JACOB ALDEN BERRY - ENGINEER
MO# PE-2021035235

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	42

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

CONTRACT ID.

PROJECT NO.

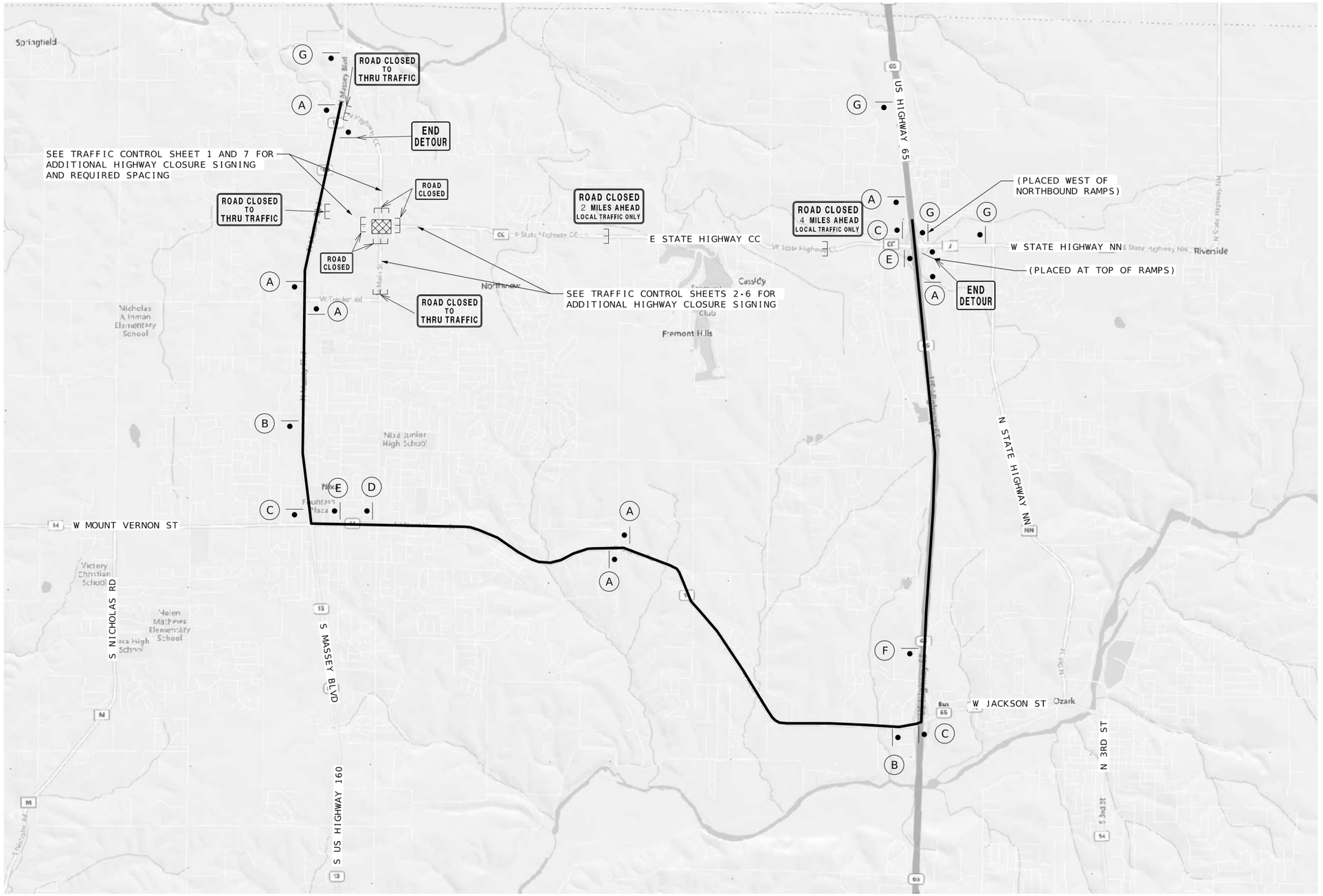
BRIDGE NO.

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF AUTHORITY NO. 001592



GENERAL NOTES:

1. SIGNED DETOUR ROUTE ALONG ROUTE 160, ROUTE 14, & ROUTE 65 SHALL BE MAINTAINED FOR THE ENTIRE DURATION OF PHASE 2A, PHASE 2B, AND PHASE 3.

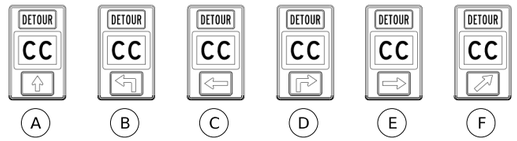
2. AT LEAST ONE FULL ACCESS DRIVEWAY SHALL BE MAINTAINED TO EACH RESIDENTIAL AND COMMERCIAL PROPERTY AT ALL TIMES. PROPERTY OWNERS SHALL BE NOTIFIED OF PLANNED DRIVEWAY IMPACTS AT LEAST 72 HOURS PRIOR TO ANY ACCESS MODIFICATION.

TRAFFIC CONTROL LEGEND

WORK AREA

SIGN (SINGLE SIDED)

TYPE III BARRICADE



SEE SHEET 44 FOR SIGN DETAILS

TRAFFIC CONTROL SHEET 9 OF 10

Jacob Berry
2024.08.09 17:32:53-05'00'

STATE OF MISSOURI
JACOB ALDEN BERRY
NUMBER PE-2021035235
PROFESSIONAL ENGINEER

JACOB ALDEN BERRY - ENGINEER
MO# PE-2021035235

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	43

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

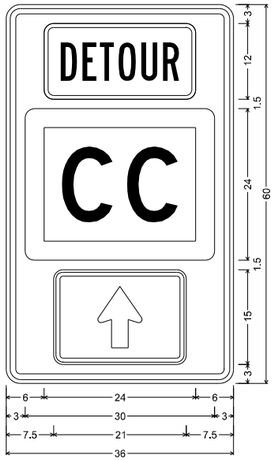
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

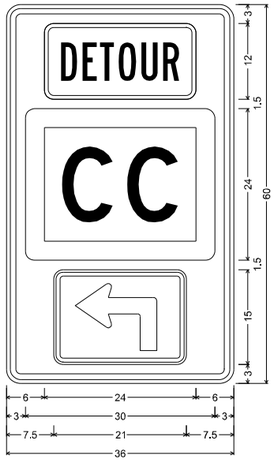
olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF AUTHORITY NO. 001592

F:\2022\01501-02000\022-01597\40-Design\Microstation\J8S0736F\plan_sheets\9 Traffic Control\043_TC_09_J8S0736F_I1.dgn 4:36:25 PM 8/9/2024



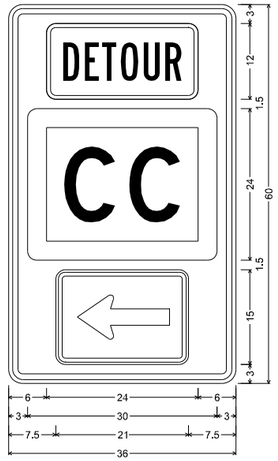
MO4-12 SHF-FLAT SHEET FLUORESCENT;
2,250" Radius, 0,875" Border, 0,625" Indent, Black on, Orange;
Table of letter and object lefts

	6.000
	3.000
	7.500



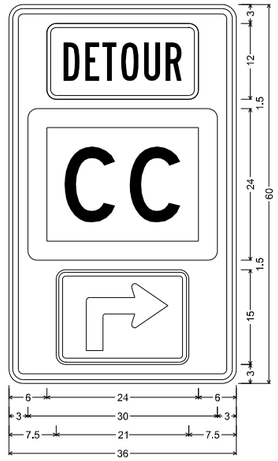
MO4-12 SHF-FLAT SHEET FLUORESCENT;
2,250" Radius, 0,875" Border, 0,625" Indent, Black on, Orange;
Table of letter and object lefts

	6.000
	3.000
	7.500



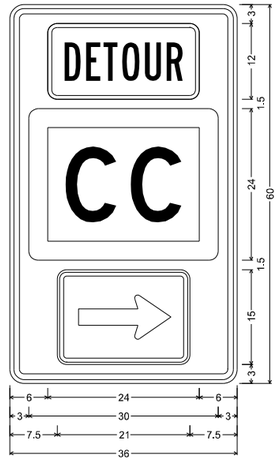
MO4-12 SHF-FLAT SHEET FLUORESCENT;
2,250" Radius, 0,875" Border, 0,625" Indent, Black on, Orange;
Table of letter and object lefts

	6.000
	3.000
	7.500



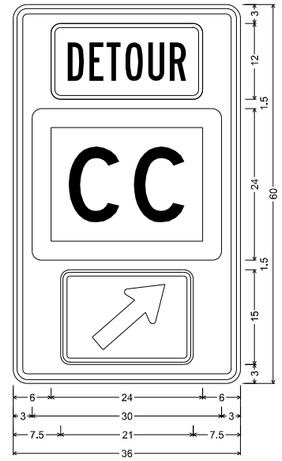
MO4-12 SHF-FLAT SHEET FLUORESCENT;
2,250" Radius, 0,875" Border, 0,625" Indent, Black on, Orange;
Table of letter and object lefts

	6.000
	3.000
	7.500



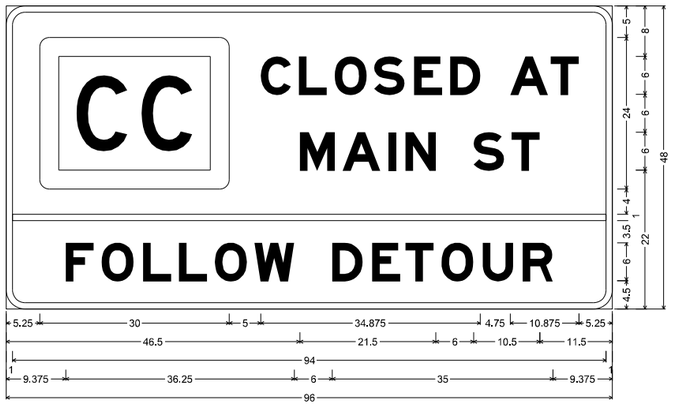
MO4-12 SHF-FLAT SHEET FLUORESCENT;
2,250" Radius, 0,875" Border, 0,625" Indent, Black on, Orange;
Table of letter and object lefts

	6.000
	3.000
	7.500



MO4-12 SHF-FLAT SHEET FLUORESCENT;
2,250" Radius, 0,875" Border, 0,625" Indent, Black on, Orange;
Table of letter and object lefts

	6.000
	3.000
	7.500



SPECIAL SHF-FLAT SHEET FLUORESCENT;
3,000" Radius, 1,000" Border, Black on, Orange;
"CLOSED AT", E Mod; "MAIN ST", E Mod; "FOLLOW DETOUR", E Mod;
Table of letter and object lefts

	C 40.250	L 46.375	O 52.000	S 58.250	E 64.625	D 70.250	A 79.875	T 86.250	
M 46.500	A 53.250	I 60.500	N 63.250	S 74.000	T 80.000				
— 1.000									
F 9.375	O 15.125	L 21.625	L 27.375	O 33.000	W 39.250	D 51.625	E 58.000	T 63.250	O 68.875	U 75.500	R 81.750

Jacob Berry
2024.08.09 17:29:16-05'00'

STATE OF MISSOURI
JACOB ALDEN BERRY
NUMBER PE-2021035235
PROFESSIONAL ENGINEER

JACOB ALDEN BERRY - ENGINEER
MO# PE-2021035235

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	44

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

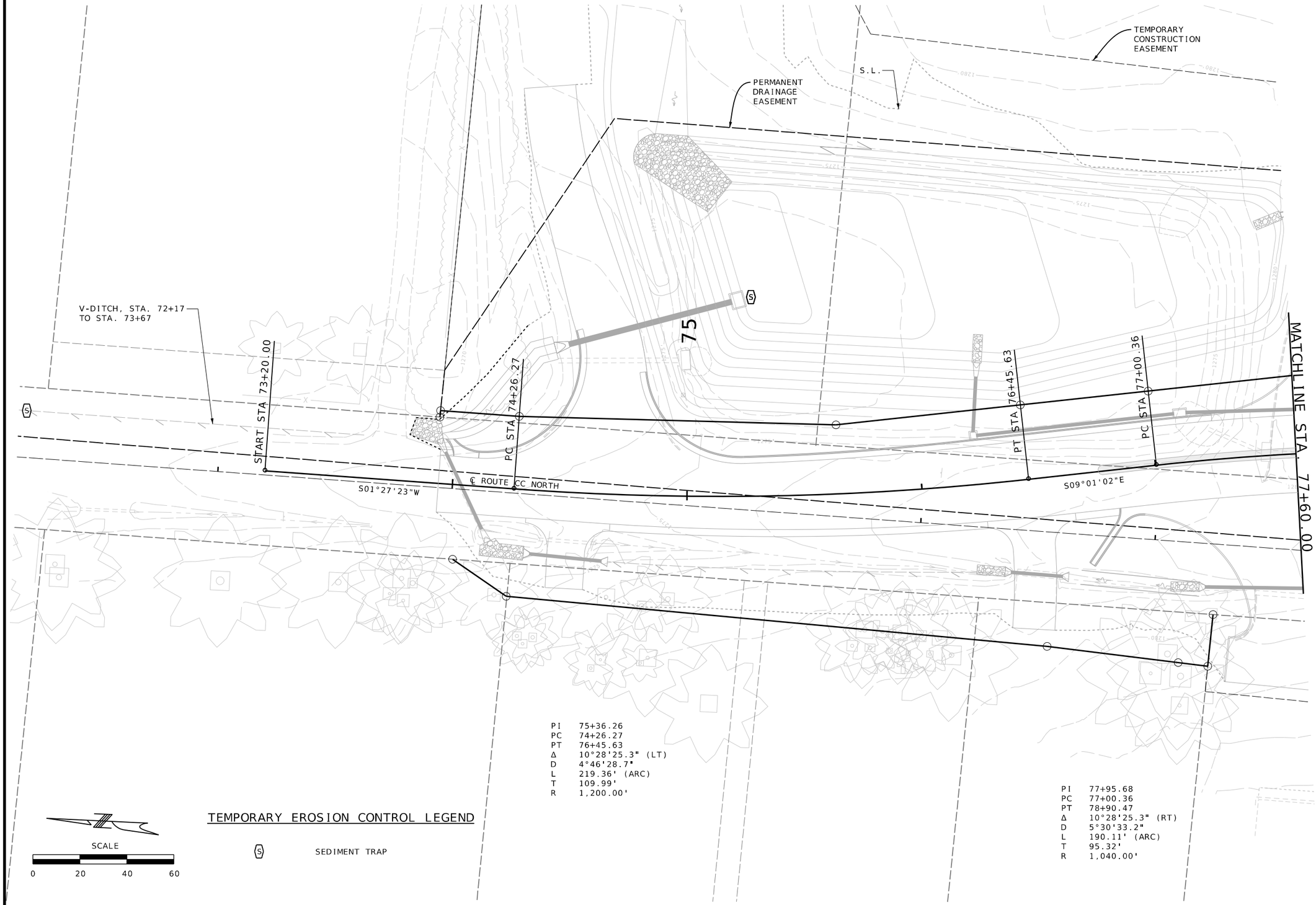
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

TRAFFIC CONTROL
SHEET 10 OF 10



Jonathan W. Peitz
2024.08.09 09:40:58 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	45

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF AUTHORITY NO. 001592

EROSION CONTROL
INITIAL PHASE
SHEET 1 OF 18

F:\2022\01501-02000\022-01597\40-Design\Microstation\J8S0736F\plan_sheets\10 Erosion Control\045_EC_01_J8S0736F_I20_Initial_Phase.dgn 4:36:40 PM 8/9/2024

PERMANENT DRAINAGE EASEMENT

TEMPORARY CONSTRUCTION EASEMENT

PERMANENT ELECTRIC EASEMENT

S.L.

PERMANENT UTILITY EASEMENT

STA. 80+81.68 ℄ (ROUTE CC NORTH)=
STA. 0+49.34 ℄ (ROUTE CC EAST)=
STA. 6+19.00 ℄ (CEDAR STREET)=
STA. 0+00.00 ℄ (MAIN STREET)

℄ ROUTE CC EAST

S88°58'48"E

END STA 80+81.68

START STA 0+00.00

END STA 6+19.69

START STA 0+49.34

S01°27'23"W

PT STA 78+90.47

℄ ROUTE CC NORTH

MATCHLINE STA. 77+60.00

MATCHLINE STA. 1+75.00

℄ MAIN STREET

S11°18'19"W

S77°45'55"E

℄ CEDAR STREET

PT STA 4+36.83

S.L.

PERMANENT ELECTRIC EASEMENT

PERMANENT UTILITY EASEMENT

TEMPORARY CONSTRUCTION EASEMENT

PI 77+95.68
PC 77+00.36
PT 78+90.47
Δ 10°28'25.3" (RT)
D 5°30'33.2"
L 190.11' (ARC)
T 95.32'
R 1,040.00'

PI 3+24.37
PC 2+10.95
PT 4+36.83
Δ 12°56'32.0" (RT)
D 5°43'46.5"
L 225.88' (ARC)
T 113.42'
R 1,000.00'

SCALE

0 20 40 60

TEMPORARY EROSION CONTROL LEGEND

(S) SEDIMENT TRAP

EROSION CONTROL
INITIAL PHASE
SHEET 2 OF 18

Jonathan Peitz
2024.08.09 15:00:15 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	46

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

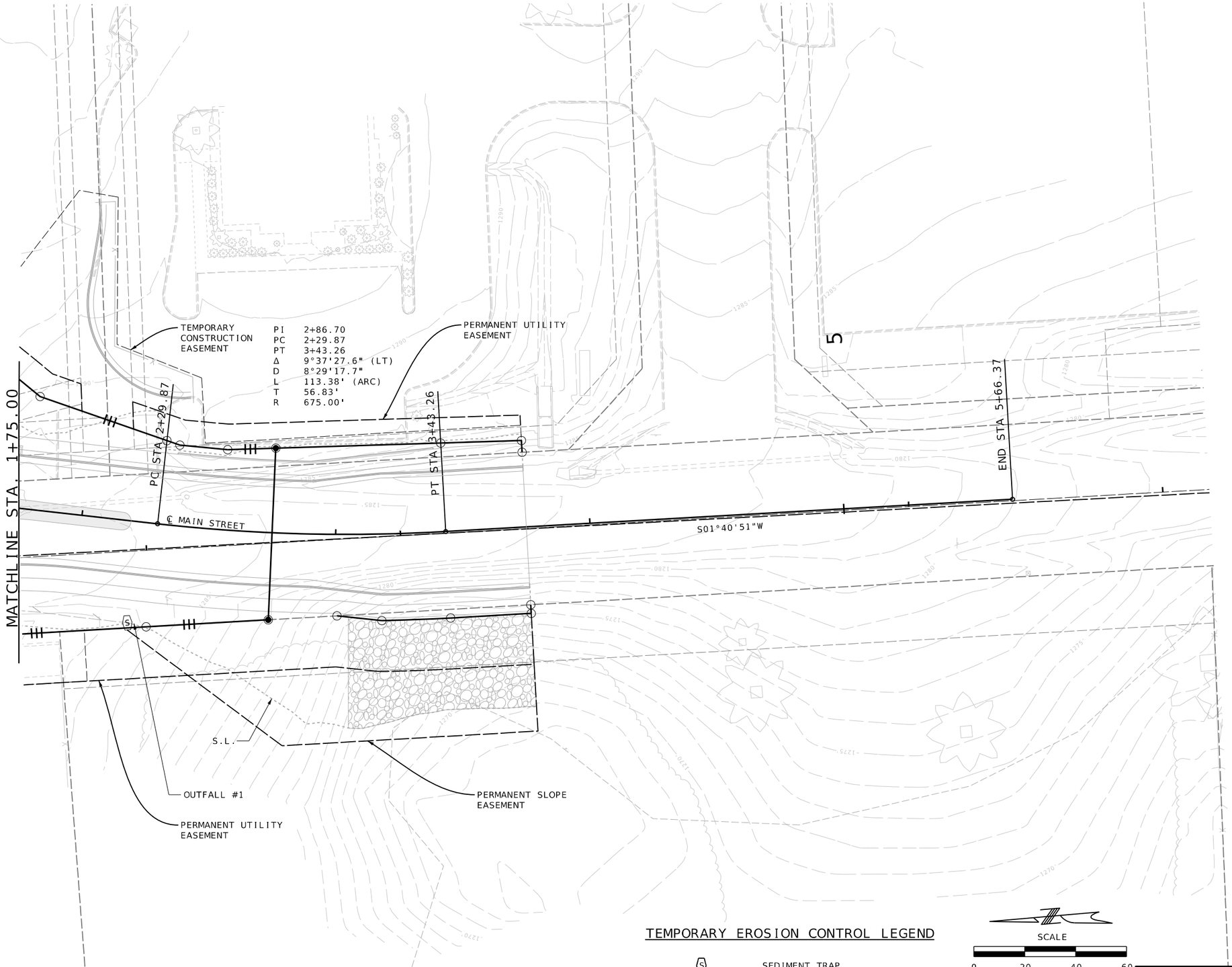
DESCRIPTION	DATE

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592



Jonathan W. Peitz
2024.08.09 08:54:06 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	47

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

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)

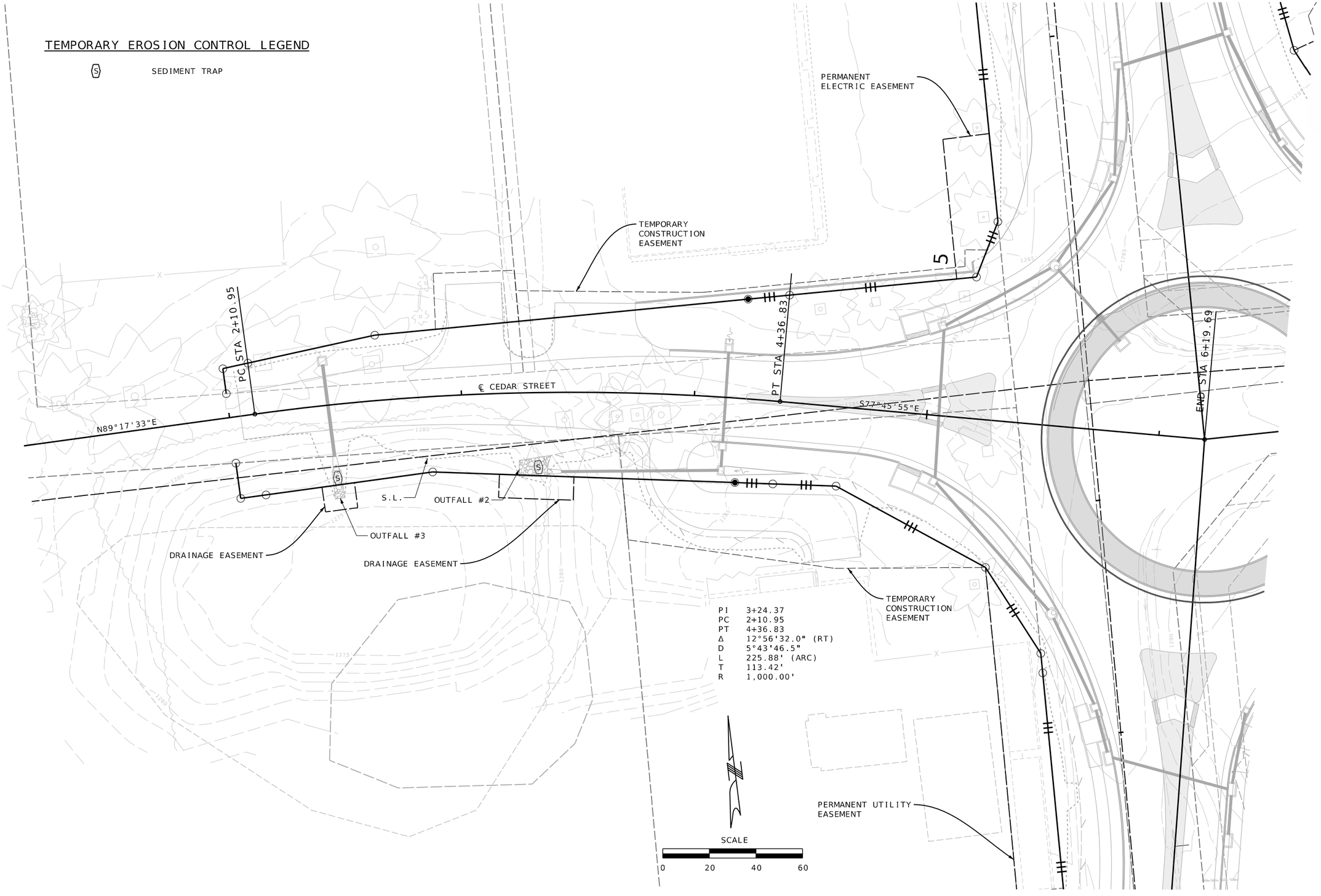
olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF AUTHORITY NO. 001592

EROSION CONTROL
INITIAL PHASE
SHEET 3 OF 18

F:\2022\01501-02000\022-01597\40-Design\Microstation\J8S0736F\plan_sheets\10 Erosion Control\047_EC_03_J8S0736F_I20_Initial_Phase.dgn 4:36:47 PM 8/9/2024

TEMPORARY EROSION CONTROL LEGEND

(S) SEDIMENT TRAP



EROSION CONTROL
INITIAL PHASE
SHEET 4 OF 18

Jonathan W. Peitz 2024.08.06 STATE OF MISSOURI
JONATHAN W. PEITZ NUMBER PE-2017019023 PROFESSIONAL ENGINEER
JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED 8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	48

COUNTY CHRISTIAN

JOB NO. J8S0736F

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

F:\2022\01501-02000\022-01597\40-Design\Microstation\J8S0736F\plan_sheets\10 Erosion Control\048_EC_04_J8S0736F_I20_Initial_Phase.dgn 4:36:51 PM 8/9/2024

TEMPORARY EROSION CONTROL LEGEND

(S) SEDIMENT TRAP

TEMPORARY CONSTRUCTION EASEMENT

PERMANENT ELECTRIC EASEMENT

START STA 0+49.34

MATCHLINE STA. 5+89.34

S.L.

℄ ROUTE CC EAST
S88°58'48"E

S.L.

PERMANENT UTILITY EASEMENT

PERMANENT UTILITY EASEMENT

ROSEWOOD LANE

PERMANENT UTILITY EASEMENT

SCALE
0 20 40 60

EROSION CONTROL
INITIAL PHASE
SHEET 5 OF 18

Jonathan Peitz
2024.08.09 10:46:20 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	49

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

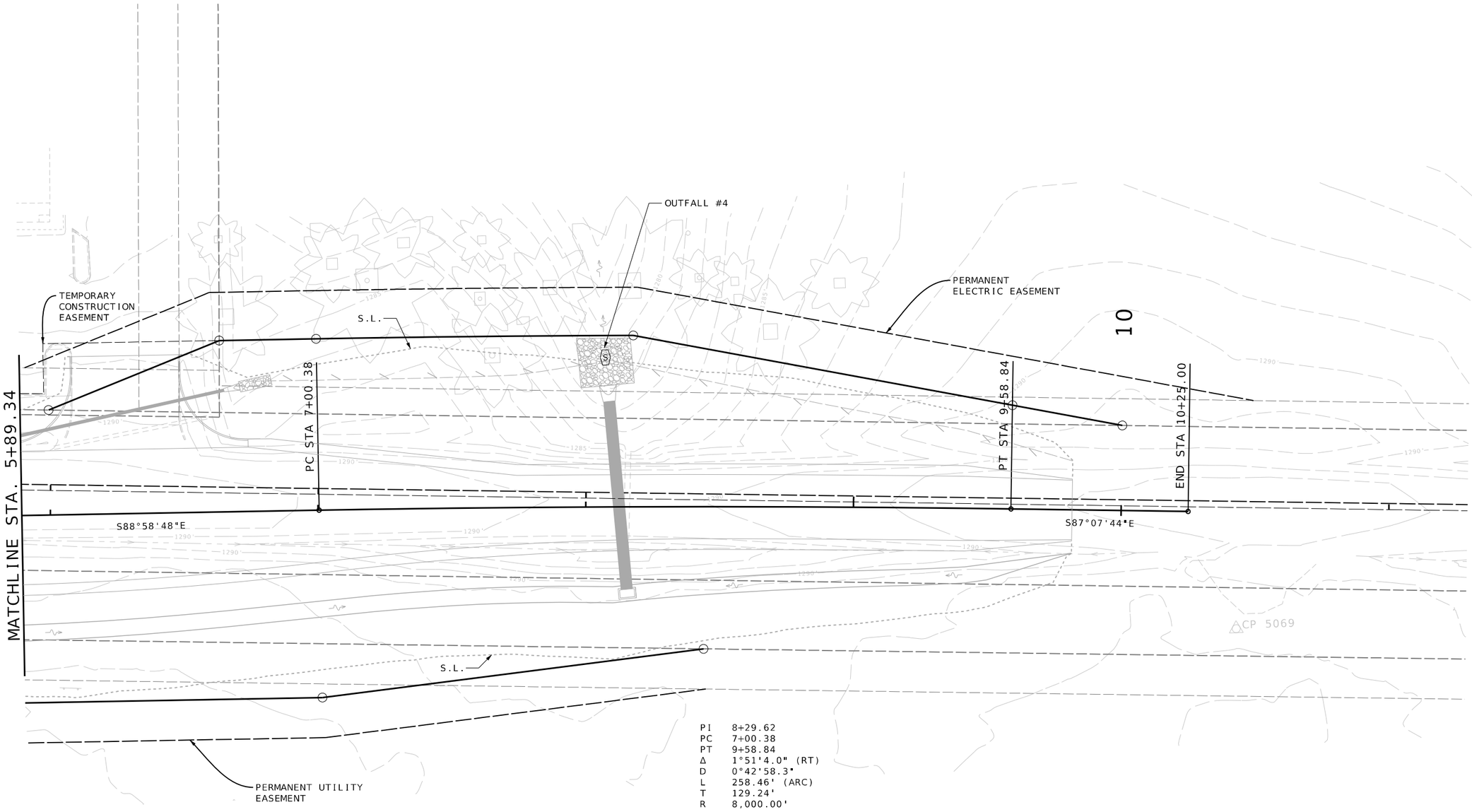
DESCRIPTION	DATE

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592



TEMPORARY EROSION CONTROL LEGEND

(S) SEDIMENT TRAP

SCALE

0 20 40 60

EROSION CONTROL
INITIAL PHASE
SHEET 6 OF 18

Jonathan W. Peitz
2024.08.09 10:58:01 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	50

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

TEMPORARY EROSION CONTROL LEGEND

- (A) ALTERNATE DITCH CHECK
- (C) CURB INLET CHECK
- (S) SEDIMENT TRAP
- SILT FENCE

304' SILT FENCE

150' SILT FENCE

TEMPORARY CONSTRUCTION EASEMENT

PERMANENT DRAINAGE EASEMENT

S.L.

ALTERNATE DITCH CHECK @ 37' SPACING

V-DITCH, STA. 72+17 TO STA. 73+67

ALTERNATE DITCH CHECK @ 19' SPACING

75

START STA 73+20.00

PC STA 74+26.27

PT STA 76+45.63

PC STA 77+00.36

MATCHLINE STA. 77+60.00

S01°27'23"W

℄ ROUTE CC NORTH

S09°01'02"E

S.L.

ALTERNATE DITCH CHECK @ 50' SPACING

ALTERNATE DITCH CHECK @ 19' SPACING

PI	75+36.26
PC	74+26.27
PT	76+45.63
Δ	10°28'25.3" (LT)
D	4°46'28.7"
L	219.36' (ARC)
T	109.99'
R	1,200.00'

PI	77+95.68
PC	77+00.36
PT	78+90.47
Δ	10°28'25.3" (RT)
D	5°30'33.2"
L	190.11' (ARC)
T	95.32'
R	1,040.00'

SCALE

0 20 40 60

EROSION CONTROL
CONSTRUCTION PHASE
SHEET 7 OF 18

Jonathan Peitz 2024.08.09 09:54:46 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED 8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	51

COUNTY: CHRISTIAN

JOB NO.: J8S0736F

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.:

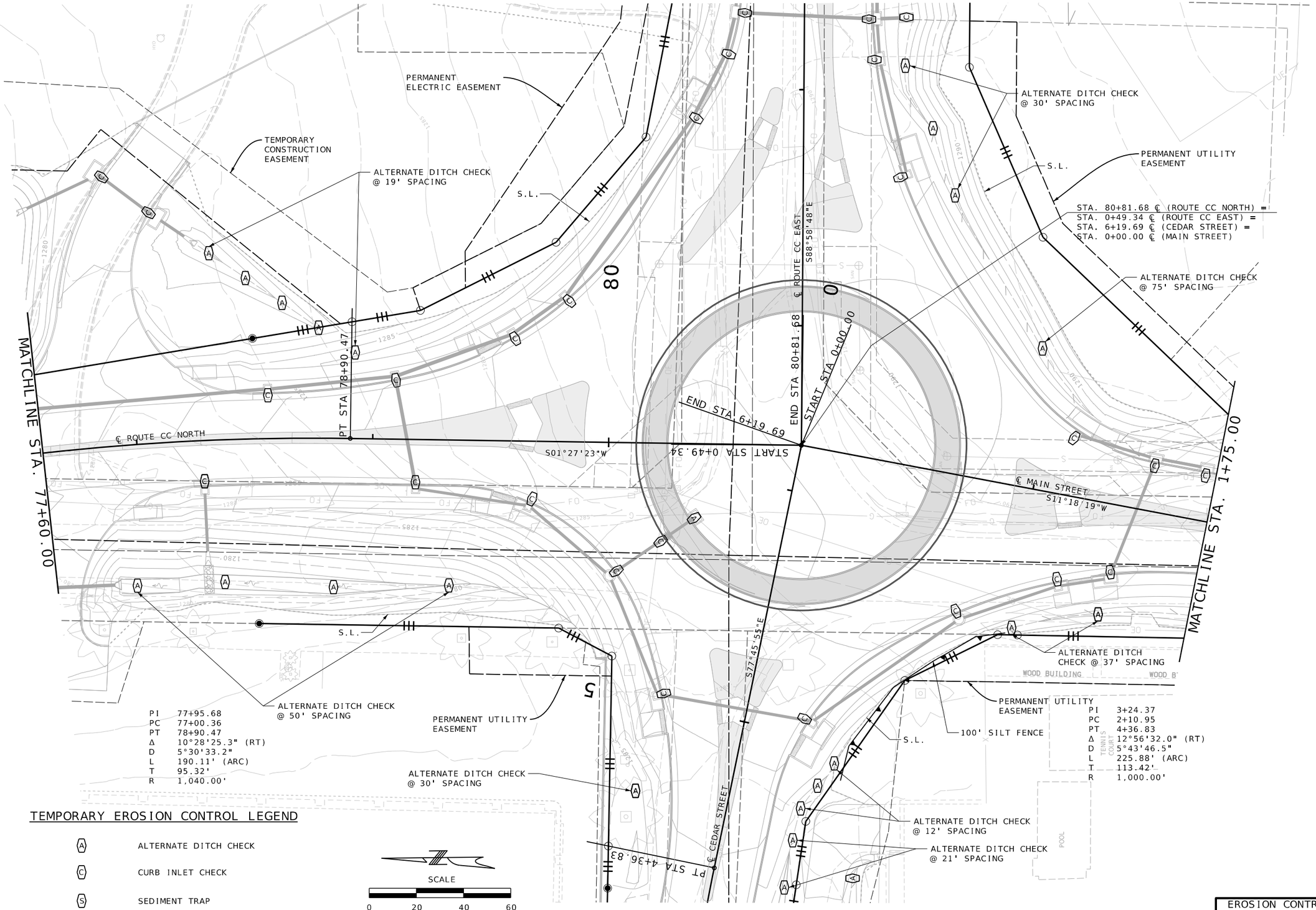
DESCRIPTION	DATE

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592



TEMPORARY EROSION CONTROL LEGEND

- (A) ALTERNATE DITCH CHECK
- (C) CURB INLET CHECK
- (S) SEDIMENT TRAP
- SILT FENCE

SCALE
0 20 40 60

EROSION CONTROL CONSTRUCTION PHASE
SHEET 8 OF 18

Jonathan Peitz
2024.08.09 11:19:56 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED 8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	52

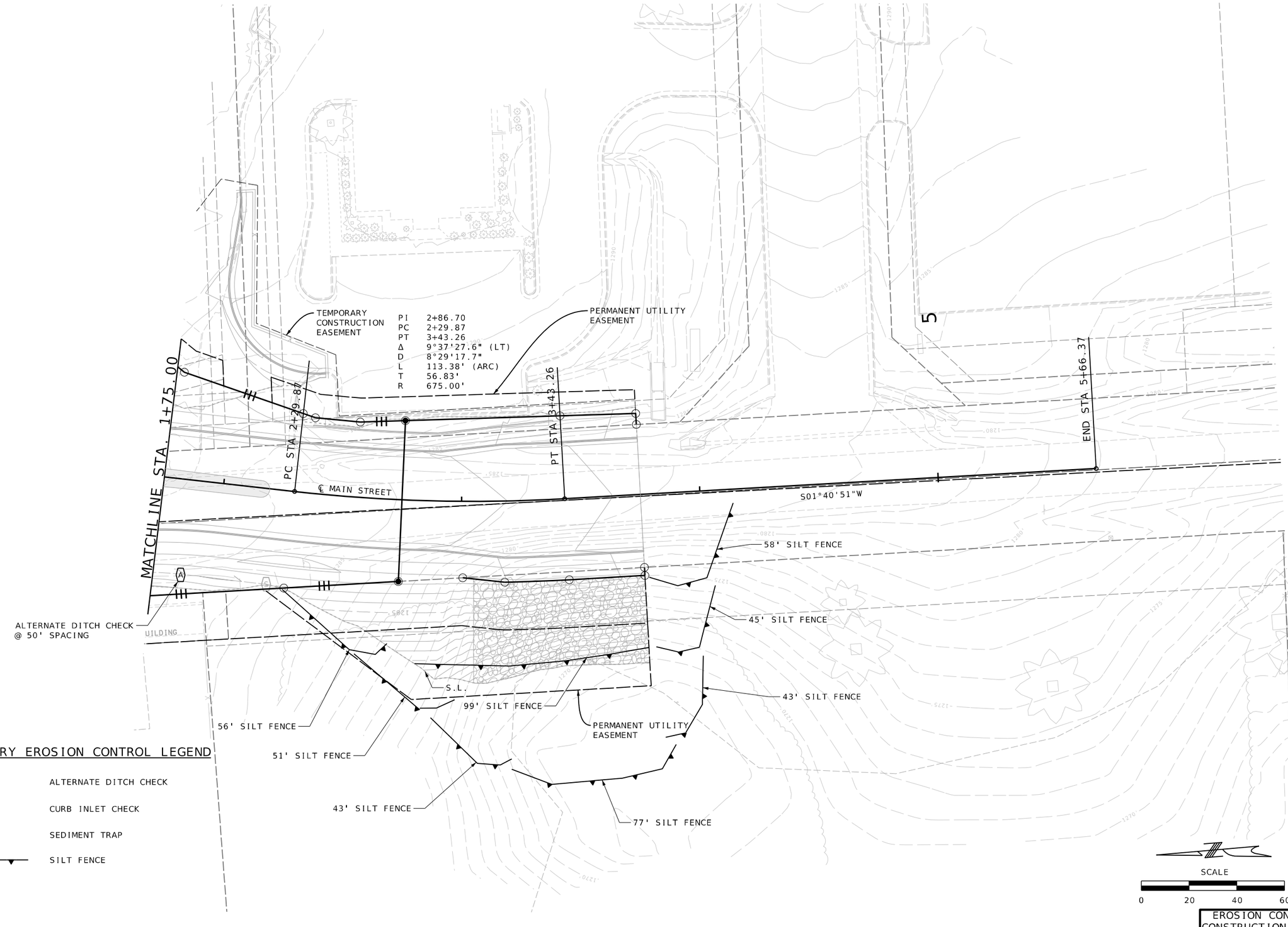
COUNTY: CHRISTIAN
JOB NO.: J8S0736F
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF AUTHORITY NO. 001592



EROSION CONTROL CONSTRUCTION PHASE
SHEET 9 OF 18

Jonathan Peitz
2024.08.09 15:58:18 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	53

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF AUTHORITY NO. 001592

TEMPORARY EROSION CONTROL LEGEND

- (A) ALTERNATE DITCH CHECK
- (C) CURB INLET CHECK
- (S) SEDIMENT TRAP
- SILT FENCE

ALTERNATE DITCH CHECK @ 19' SPACING

ALTERNATE DITCH CHECK @ 16' SPACING

ALTERNATE DITCH CHECK @ 30' SPACING

TEMPORARY CONSTRUCTION EASEMENT

ALTERNATE DITCH CHECK @ 50' SPACING

PERMANENT ELECTRIC EASEMENT

PC STA 2+10.95

PT STA 4+36.83

END STA 6+19.69

℄ CEDAR STREET

N89°17'33"E

S77°45'55"E

35' SILT FENCE

DRAINAGE EASEMENT

73' SILT FENCE

DRAINAGE EASEMENT

ALTERNATE DITCH CHECK @ 8' SPACING

ALTERNATE DITCH CHECK @ 19' SPACING

ALTERNATE DITCH CHECK @ 13' SPACING

ALTERNATE DITCH CHECK @ 12' SPACING

85' SILT FENCE

ALTERNATE DITCH CHECK @ 21' SPACING

ALTERNATE DITCH CHECK @ 37' SPACING

PERMANENT UTILITY EASEMENT

ALTERNATE DITCH CHECK @ 50' SPACING

PI	3+24.37
PC	2+10.95
PT	4+36.83
Δ	12°56'32.0" (RT)
D	5°43'46.5"
L	225.88' (ARC)
T	113.42'
R	1,000.00'

SCALE

0 20 40 60

EROSION CONTROL
CONSTRUCTION PHASE
SHEET 10 OF 18

Jonathan Peitz
2024.08.09 09:38:33 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	54

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

ATLERNATE DITCH CHECK
@ 19' SPACING

TEMPORARY
CONSTRUCTION
EASEMENT

PERMANENT
ELECTRIC EASEMENT

START STA 0+49.34

MATCHLINE STA. 5+89.34

℄ ROUTE CC EAST

S88°58'48"E

ALTERNATE

ALTERNATE DITCH CHECK
@ 37' SPACING

PERMANENT UTILITY
EASEMENT

ALTERNATE DITCH CHECK
@ 30' SPACING

PERMANENT UTILITY
EASEMENT

ALTERNATE DITCH CHECK
@ 75' SPACING

ROSEWOOD LANE

PERMANENT UTILITY
EASEMENT

TEMPORARY EROSION CONTROL LEGEND

- (A) ALTERNATE DITCH CHECK
- (C) CURB INLET CHECK
- (S) SEDIMENT TRAP
- SILT FENCE

SCALE
0 20 40 60

EROSION CONTROL
CONSTRUCTION PHASE
SHEET 11 OF 18

JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER
STATE OF MISSOURI

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	55

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

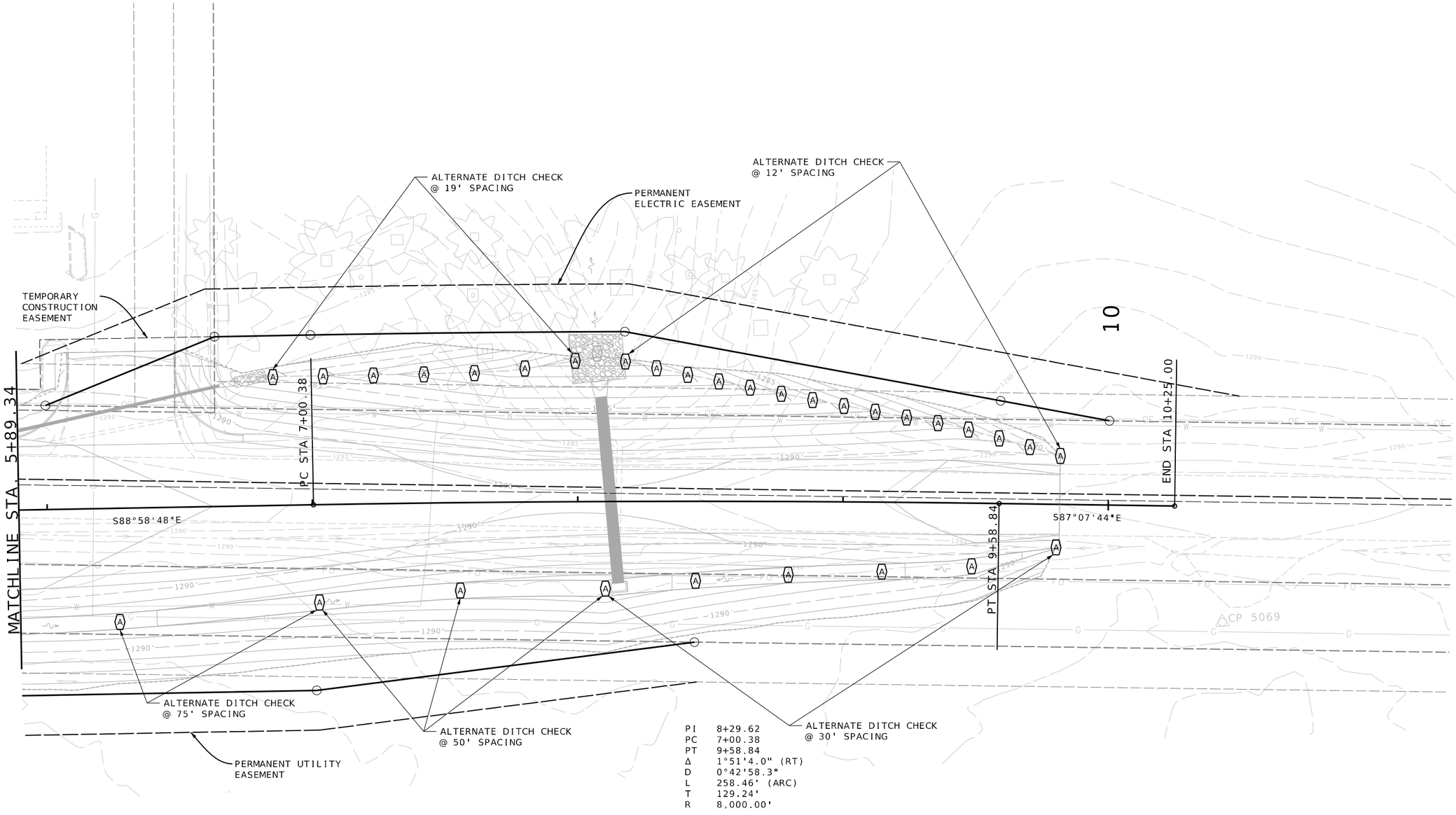
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

F:\2022\01501-02000\022-01597\40-Design\Microstation\J8S0736F\plan_sheets\10 Erosion Control\055_EC_11_J8S0736F_I20_Construction_Phase.dgn 4:37:21 PM 8/9/2024



PI	8+29.62
PC	7+00.38
PT	9+58.84
Δ	1°51'4.0" (RT)
D	0°42'58.3"
L	258.46' (ARC)
T	129.24'
R	8,000.00'

TEMPORARY EROSION CONTROL LEGEND

- (A) ALTERNATE DITCH CHECK
- (C) CURB INLET CHECK
- (S) SEDIMENT TRAP
- SILT FENCE

SCALE
0 20 40 60

EROSION CONTROL
CONSTRUCTION PHASE
SHEET 12 OF 18

Jonathan Peitz
2024.08.09 08:01:11 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	56

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

INSTALL 149 SY OF TRM

TEMPORARY CONSTRUCTION EASEMENT

PI 77+95.68
PC 77+00.36
PT 78+90.47
Δ 10°28'25.3" (RT)
D 5°30'33.2"
L 190.11' (ARC)
T 95.32'
R 1,040.00'

INSTALL 5,075 SY OF TYPE 3B ECB ROCK LINING

ROCK LINING

PERMANENT DRAINAGE EASEMENT

INSTALL 159 SY OF TYPE 3B ECB

ROCK LINING

V-DITCH, STA. 72+17 TO STA. 73+67

START STA 73+20.00

PC STA 74+26.27

PT STA 76+45.63

PC STA 77+00.36

MATCHLINE STA. 77+60.00

S09°01'02"E

℄ ROUTE CC NORTH

S01°27'23"W

ROCK LINING

INSTALL 75 SY OF TYPE 3B ECB

INSTALL 512 SY OF TYPE 3B ECB

INSTALL 143 SY OF TRM

PI 75+36.26
PC 74+26.27
PT 76+45.63
Δ 10°28'25.3" (LT)
D 4°46'28.7"
L 219.36' (ARC)
T 109.99'
R 1,200.00'

ROCK LINING

ROCK LINING

INSTALL 68 SY OF TRM

INSTALL 312 SY OF TYPE 3B ECB

ROCK LINING

TEMPORARY EROSION CONTROL LEGEND

EROSION CONTROL BLANKET

TURF REINFORCEMENT MAT

SCALE

0 20 40 60

EROSION CONTROL
FINAL PHASE
SHEET 13 OF 18

Jonathan Peitz
2024.08.09
20:55:55 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	57

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF AUTHORITY NO. 001592

PERMANENT ELECTRIC EASEMENT

PERMANENT DRAINAGE EASEMENT

TEMPORARY CONSTRUCTION EASEMENT

1,619 SY OF TYPE 3B ECB

INSTALL 53 SY OF TRM

INSTALL 235 SY OF TYPE 3B ECB

PERMANENT UTILITY EASEMENT

INSTALL 307 SY OF TRM

INSTALL 551 SY OF TYPE 3B ECB

℄ ROUTE CC EAST
S88°58'48"E

80

0

END STA 80+81.68

START STA 0+00.00

STA. 80+81.68 ℄ (ROUTE CC NORTH) =
STA. 0+49.34 ℄ (ROUTE CC EAST) =
STA. 6+19.69 ℄ (CEDAR STREET) =
STA. 0+00.00 ℄ (MAIN STREET)

MATCHLINE STA. 77+60.00

PT STA 78+90.47

℄ ROUTE CC NORTH

S01°27'23"W

END STA 6+19.69

START STA 0+49.34

℄ MAIN STREET

S11°18'19"W

MATCHLINE STA. 1+75.00

ROCK LINING

INSTALL 248 SY OF TRM

PI	77+95.68
PC	77+00.36
PT	78+90.47
Δ	10°28'25.3" (RT)
D	5°30'33.2"
L	190.11' (ARC)
T	95.32'
R	1,040.00'

INSTALL 1105 SY OF TYPE 3B ECB

PERMANENT ELECTRIC EASEMENT

PI	3+24.37
PC	2+10.95
PT	4+36.83
Δ	12°56'32.0" (RT)
D	5°43'46.5"
L	225.88' (ARC)
T	113.42'
R	1,000.00'

S

S77°45'55"E

℄ CEDAR STREET

PT STA 4+36.83

INSTALL 133 SY OF TRM

WOOD BUILDING

WOOD B'

PERMANENT UTILITY EASEMENT

INSTALL 59 SY OF TYPE 3B ECB

INSTALL 199 SY OF TRM

TENNIS COURT

POOL

INSTALL 127 SY OF TRM

TEMPORARY EROSION CONTROL LEGEND

EROSION CONTROL BLANKET

TURF REINFORCEMENT MAT

SCALE

0 20 40 60

EROSION CONTROL
FINAL PHASE
SHEET 14 OF 18

Jonathan W. Peitz, PE-2017019023
2024.08.09 08:55:00 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	58

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

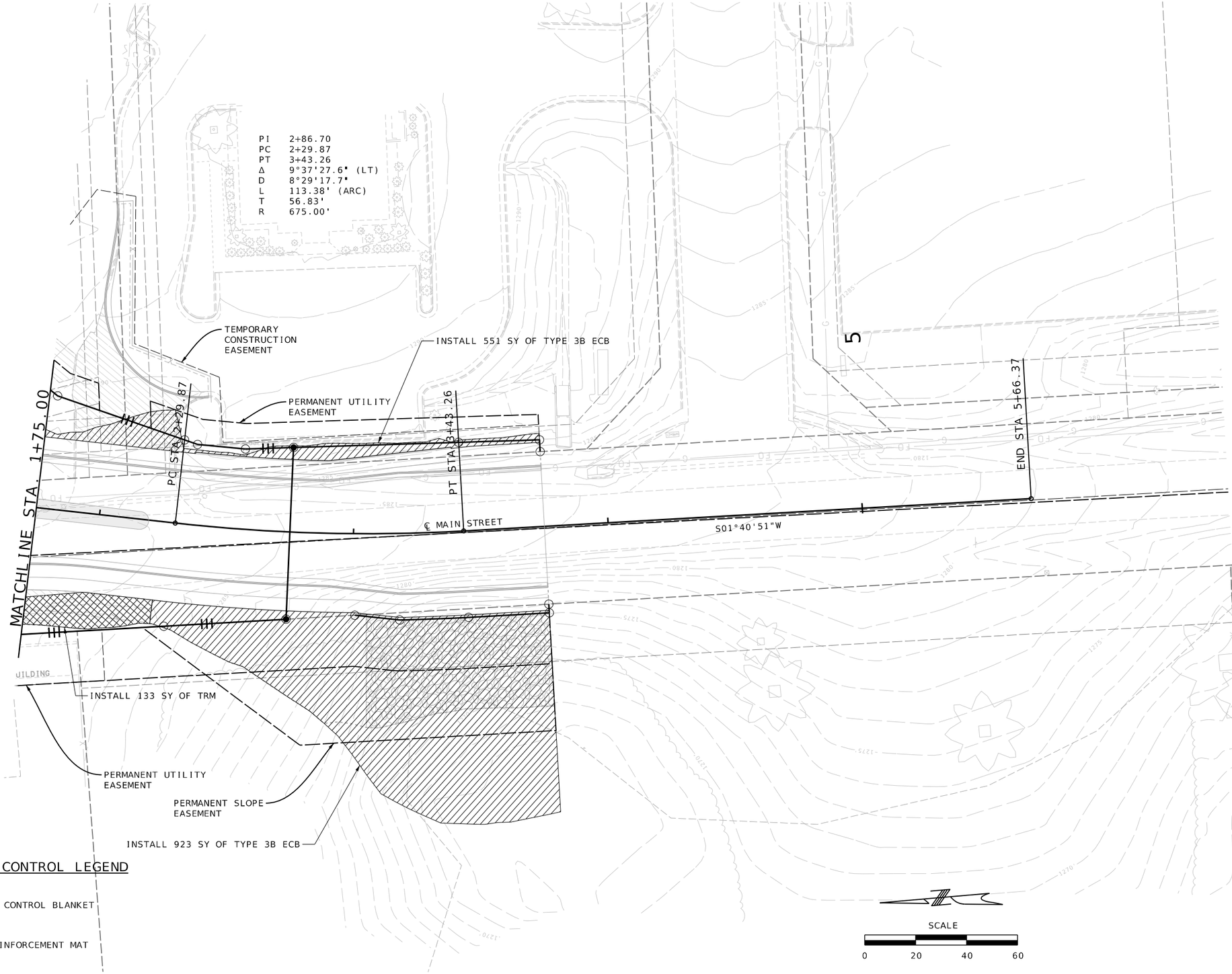
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

F:\2022\01501-02000\022-01597\40-Design\Microstation\J8S0736F\plan_sheets\10 Erosion Control\058_EC_14_J8S0736F_I20_Final_Phase.dgn 4:37:34 PM 8/9/2024



Jonathan Peitz
2024.08.09 11:11:56 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	59

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

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

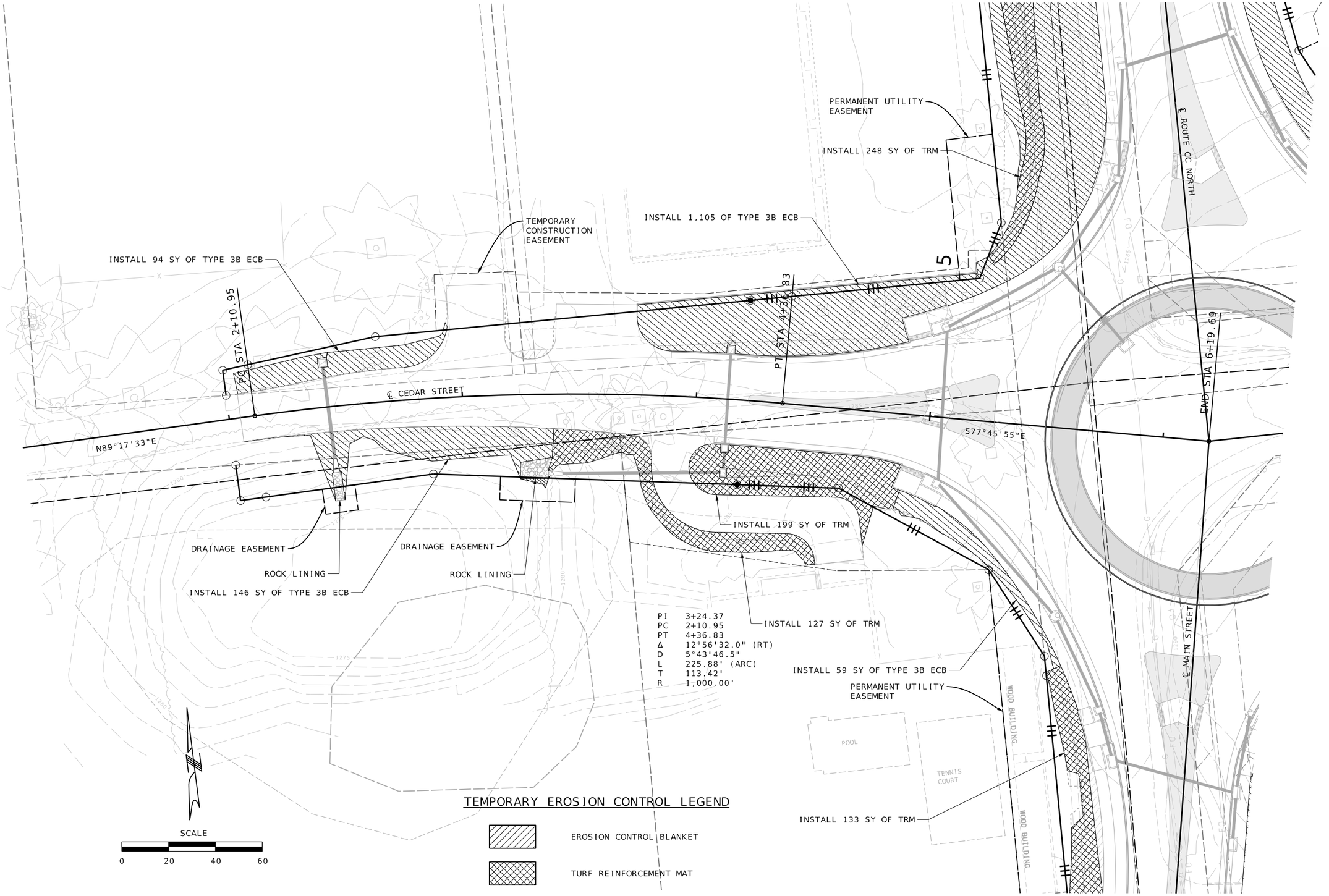
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF AUTHORITY NO. 001592

EROSION CONTROL
FINAL PHASE
SHEET 15 OF 18

F:\2022\01501-02000\022-01597\40-Design\Microstation\J8S0736F\plan_sheets\10 Erosion Control\059_EC_15_J8S0736F_I20_Final_Phase.dgn 4:37:38 PM 8/9/2024



Jonathan W. Peitz
2024.08.09 20:06:43 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	60

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF AUTHORITY NO. 001592

EROSION CONTROL
FINAL PHASE
SHEET 16 OF 18

F:\2022\01501-02000\022-01597\40-Design\Microstation\J8S0736F\plan_sheets\10 Erosion Control\060_EC_16_J8S0736F_I20_Final_Phase.dgn 4:37:41 PM 8/9/2024

TEMPORARY EROSION CONTROL LEGEND

- EROSION CONTROL BLANKET
- TURF REINFORCEMENT MAT

SCALE
0 20 40 60

TEMPORARY CONSTRUCTION EASEMENT

PERMANENT ELECTRIC EASEMENT

INSTALL 1,619 SY OF TYPE 3B ECB

INSTALL 225 SY OF TYPE 3B ECB

START STA 0+49.34

℄ ROUTE CC EAST

S88°58'48"E

MATCHLINE STA. 5+89.34

INSTALL 307 SY OF TRM

ROCK LINING

INSTALL 235 SY OF TYPE 3B ECB

PERMANENT UTILITY EASEMENT

INSTALL 551 SY OF TYPE 3B ECB

PERMANENT UTILITY EASEMENT

ROSEWOOD LANE

ROCK LINING

INSTALL 328 SY OF TYPE 3B ECB

INSTALL 774 SY OF TRM

INSTALL 815 SY OF TYPE 3B ECB

PERMANENT UTILITY EASEMENT

TEMPORARY CONSTRUCTION EASEMENT

EROSION CONTROL
FINAL PHASE
SHEET 17 OF 18

Jonathan Peitz
2024.08.09 09:20:55 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	61

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

PERMANENT
ELECTRIC EASEMENT

TEMPORARY
CONSTRUCTION
EASEMENT

INSTALL 50 SY OF TYPE 3B ECB

INSTALL 257 SY OF TRM

ROCK LINING

INSTALL 772 SY OF TYPE 3B ECB

INSTALL 35 SY OF TYPE 3B ECB

PC STA 7+00.38

PT STA 9+58.84

END STA 10+25.00

MATCHLINE STA. 5+89.34

℄ ROUTE 66 EAST

S88°58'48"E

S87°07'44"E

INSTALL 774 SY OF TRM

INSTALL 815 SY OF TYPE 3B ECB

INSTALL 328 SY OF TYPE 3B ECB

PERMANENT UTILITY
EASEMENT

PI	8+29.62
PC	7+00.38
PT	9+58.84
Δ	1°51'4.0" (RT)
D	0°42'58.3"
L	258.46' (ARC)
T	129.24'
R	8,000.00'

TEMPORARY EROSION CONTROL LEGEND

EROSION CONTROL BLANKET

TURF REINFORCEMENT MAT

SCALE

0 20 40 60

Jonathan W. Peitz
2017019023
STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER
PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	62

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

EROSION CONTROL
FINAL PHASE
SHEET 18 OF 18

INSTALL 30' TYPE AT POLE WITH 10' ARM AND LED A LUMINAIRE LCA-2-1 STA 78+22.33 OFF 32.0' RT

INSTALL TYPE 2 POWER SUPPLY 240/120V SERVICE, LIGHTING ONLY STA 5+36.77, OFF 110.6' LT

INSTALL TYPE 1 PULL BOX 1 AT STA:5+54.39, OFF:96.2' LT.

INSTALL 240V 4-CIRCUIT BASE MOUNTED STREET LIGHTING CONTROL CENTER STA 5+38.94, OFF 95.0' LT

INSTALL 30' TYPE AT POLE WITH 10' ARM AND LED A LUMINAIRE LCA-3-1 STA 5+42.05, OFF 75.5' LT

INSTALL 1-3c CABLE-CONDUIT, CIRCUIT 3

INSTALL TYPE 1 PULL BOX 6 AT STA:4+77.03, OFF:45.8' LT.

INSTALL 30' TYPE AT POLE WITH 10' ARM AND LED A LUMINAIRE LCA-3-2 STA 3+88.49 OFF 25.1' LT

INSTALL CABLE-CONDUIT IN 4" RIGID CONDUIT

INSTALL TYPE 1 PULL BOX 5 AT STA:4+83.57, OFF:36.0' RT.

INSTALL 30' TYPE AT POLE WITH 10' ARM AND LED A LUMINAIRE LCA-3-3 STA 5+09.04 OFF 39.3' RT

INSTALL 30' TYPE AT POLE WITH 10' ARM AND LED A LUMINAIRE LCA-2-2 STA 77+01.19 STA 29.39' RT

INSTALL CABLE-CONDUIT IN 4" RIGID CONDUIT

INSTALL 1-3c CABLE-CONDUIT, CIRCUIT 2

INSTALL 30' TYPE AT POLE WITH 10' ARM AND LED A LUMINAIRE LCA-1-1 STA 279+50.90, OFF 56.3' LT

INSTALL TYPE 1 PULL BOX 2 AT STA:79+71.29, OFF:70.9' LT.

INSTALL TYPE 1 PULL BOX 3 AT STA:2+03.01, OFF:52.5' LT.

INSTALL 30' TYPE AT POLE WITH 10' ARM AND LED A LUMINAIRE LCA-1-2 STA 2+14.30, OFF 45.7' LT

INSTALL 30' TYPE AT POLE WITH 10' ARM AND LED A LUMINAIRE LCA-1-3 STA 3+56.20 OFF 32.9' LT

INSTALL 1-3c CABLE-CONDUIT, CIRCUIT 1

INSTALL 3-3c CABLE-CONDUIT, CIRCUITS 1,2,&3

INSTALL CABLE-CONDUIT IN 4" RIGID CONDUIT

INSTALL TYPE 1 PULL BOX 4 AT STA:1+93.58, OFF:42.7' RT.

INSTALL 30' TYPE AT POLE WITH 10' ARM AND LED A LUMINAIRE LCA-4-1 STA 0+47.45 OFF 100.0' RT

INSTALL 1-3c CABLE-CONDUIT, CIRCUIT 1

INSTALL 30' TYPE AT POLE WITH 10' ARM AND LED A LUMINAIRE LCA-4-2 STA 1+21.56 OFF 64.5' LT

INSTALL 30' TYPE AT POLE WITH 10' ARM AND LED A LUMINAIRE LCA-4-3 STA 2+50.05 OFF 29.5' LT

EXISTING STREET LIGHT POLE TO BE RELOCATED BY OZARK ELECTRIC. CONTRACTOR SHALL COORDINATE ITS RELOCATION AS REQUIRED

LAKESHORE DRIVE

CEDAR STREET

ROUTE CC

START STA 0+49.39

MAIN STREET

ROSEWOOD LANE

S88°58'48"E

LIGHTING LEGEND

	CONTROLLER, LIGHTING		LED-A LUMINAIRE
	CONTROLLER, LIGHTING (EXISTING)		LED-B LUMINAIRE
	WOOD POST		LED-C LUMINAIRE
	POWER SUPPLY	P.S.	POWER SOURCE
JCT	JUNCTION BOX		PULL BOX (EXISTING)
	PULL BOX CONCRETE TYPE 1		PULL BOX CONCRETE TYPE 2
	PULL BOX PREFORMED TYPE 1		PULL BOX PREFORMED TYPE 2
	CONDUIT, RIGID (TRENCH)		CONDUIT, RIGID (PUSHED)
M M M M	CONDUIT, RIGID (MEDIAN)	B B B B	CONDUIT, RIGID (BRIDGE)
	CONDUIT, RIGID (EXISTING)		CABLE-CONDUIT (EXISTING)
			CABLE-CONDUIT

SCALE
0 40 80 120

JEREMY SCOTT STRETZ-ENGINEER
MO# PE-2017023856
Jeremy Stretz 8/9/2024
NUMBER E-37-05700

DATE PREPARED 8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	63

COUNTY: CHRISTIAN
JOB NO.: J8S0736F
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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF AUTHORITY NO. 001592

LIGHTING
SHEET 1 OF 2

HIGHWAY LIGHTING

SH. NUM.	POLE NO.	ROADWAY	STATION	OFFSET	BRACKET ARM 10 FT (EACH) 9011110	LIGHTING POLE 30 FT TYPE AT (EACH) 9011030	LED A LUMINAIRE (EACH) 9011311	POLE FOUNDATION 30 FT M.H. (EACH) 9018230	CABLE, 10 AWG 1 CONDUCTOR, POLE AND BRACKET (LF) 9017110
62	LC2-2	ROUTE CC	77+01.19	29.4' RT.	1	1	1	1	90
62	LC2-1	ROUTE CC	78+22.33	32.0' RT.	1	1	1	1	90
62	LC1-1	ROUTE CC	279+50.90	56.3' LT.	1	1	1	1	90
62	LC3-1	ROUTE CC	5+42.05	75.5' LT.	1	1	1	1	90
62	LC3-2	CEDAR ST	3+88.49	25.1' LT.	1	1	1	1	90
62	LC1-2	ROUTE CC	2+14.30	45.7' LT.	1	1	1	1	90
62	LC1-3	ROUTE CC	3+56.20	32.9' LT.	1	1	1	1	90
62	LC3-3	CEDAR ST	5+09.04	39.3' RT.	1	1	1	1	90
62	LC4-1	MAIN ST	0+47.45	100.0' RT.	1	1	1	1	90
62	LC4-2	MAIN ST	1+21.56	64.5' LT.	1	1	1	1	90
62	LC4-3	MAIN ST	2+50.05	29.5' LT.	1	1	1	1	90
TOTAL					11	11	11	11	990

POWER SUPPLY AND BASE MOUNTED CONTROL STATION

SH. NUM.	ROADWAY	STA.	OFF.	POWER SUPPLY ASSEMBLY, TYPE 2, 240/120 VOLT SERVIE, LIGHTING ONLY (EACH) 9018612	BASE MOUNTED CONTROL STATION (240 VOLT-4 CIRCUIT) (EACH) 9012230	REMARKS
62	CEDAR ST	5+36.77	110.6' LT.	1		
62	CEDAR ST	5+38.94	95.0' LT.		1	LC"A"
TOTAL				1	1	X

CABLE AND CABLE CONDUIT

SH. NUM.	CIRCUIT	FROM	TO	CTR. TO CTR.	CABLE-CONDUIT 1 IN., 2 CONDUCTORS (AND 1 BARE NEUTRAL) 8 AWG (LF) 9017407	TRENCHING, TYPE I (LF) 9015010
62	2	LC2-2	LC2-1	155	161	155
62	2	LC2-1	PB1	166	172	166
62	1,2,3,4	LCA	PB1	15	84	15
62	1,4	PB1	PB2	110	232	-
62	1	PB2	LC1-1	25	31	25
62	1,4	PB2	PB3	95	202	95
62	1	PB3	LC1-2	15	21	15
62	1	LC1-2	LC1-3	150	156	150
62	4	PB3	PB4	100	106	-
62	4	PB4	LC4-1	56	62	56
62	4	LC4-1	LC4-2	93	99	93
62	4	LC4-2	LC4-3	135	141	135
62	3	PB1	LC3-1	50	61	50
62	3	LC3-1	PB6	68	74	68
62	3	PB6	PB5	85	91	-
62	3	PB6	LC3-2	95	101	95
62	3	PB5	LC3-3	25	31	25
SUBTOTAL					1825	1143
5% FOR SNAKING					91	X
TOTAL					1920	1143

POWER CABLE & RIGID CONDUIT

SH. NUM.	ROADWAY	FROM	TO	CTR. TO CTR.	CABLE, 2 AWG 1 CONDUCTOR (LF) 9017002	CONDUIT, 2 IN. RIGID-IN TRENCH (LF) 9013002	CONDUIT, 4 IN. RIGID PUSHED (LF) 9014004
62	ROUTE CC	POWER SUPPLY	POWER SOURCE	25	123	25	
62	ROUTE CC	POWER SOURCE	CONTROLLER "A"	15	93	15	
62	ROUTE CC	PB1	PB2	110			108
62	ROUTE CC	PB3	PB4	100			98
62	CEDAR ST	PB5	PB6	85			83
SUB TOTAL					216	40	289
TOTAL					220	40	289

PREFORMED PULL BOXES

SH. NUM.	PULL BOX NO.	ROADWAY	STA.	OFF.	PULLBOX, CONCRETE CLASS 1 (EACH) 9016120
62	PB1	CEDAR ST.	5+54.39	95.0' LT.	1
62	PB2	ROUTE CC	79+71.29	70.9' LT.	1
62	PB3	ROUTE CC	2+03.01	52.5' LT.	1
62	PB4	ROUTE CC	1+93.58	42.7' RT.	1
62	PB5	CEDAR ST.	4+77.03	45.8' LT.	1
62	PB6	CEDAR ST.	4+83.57	36.0' RT.	1
TOTAL					6

LIGHTING
SHEET 2 OF 2

JEREMY SCOTT STRETZ-ENGINEER
MO# PE-2017023856

DATE PREPARED
10/3/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	64

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

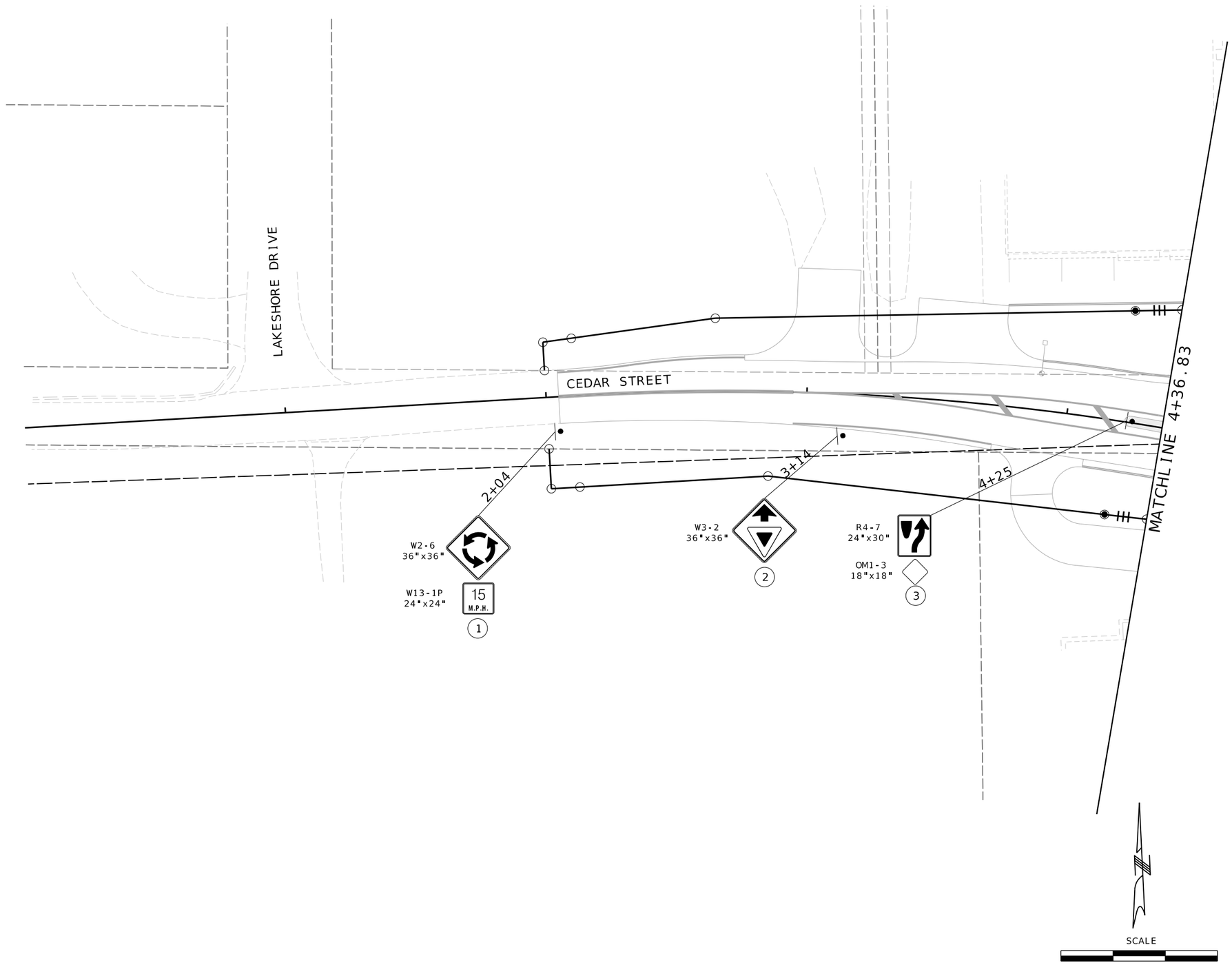
DATE

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592



Jacob Berry
2024.08.09 17:36:28-05'00'

STATE OF MISSOURI
JACOB ALDEN BERRY
NUMBER PE-2021035235
PROFESSIONAL ENGINEER

JACOB ALDEN BERRY - ENGINEER
MO# PE-2021035235

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	65

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

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

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

SIGNING
SHEET 1 OF 9

F:\2022\01501-02000\022-01597\40-Design\Microstation\J8S0736F\plan_sheets\13 Signing\065_SN_01_J80736F_120.dgn 4:38:00 PM 8/9/2024

MATCHLINE 79+31.68

MATCHLINE 4+36.83

MATCHLINE 1+50

MATCHLINE 3+93.05

ROUTE CC

Cedar St
Main St

CC TO 160

E1-1
96"x72"

E1-1
108"x72"

TUBULAR STRUCTURAL SUPPORT (TYPE C, DOUBLE ARM CANTILEVER, TRUSS TYPE, C-2018-34). SEE DETAIL BELOW.

W11-2(L)
36"x36"

W16-7P(L)
30"x18"

D1-1a
84"x30"

R1-2
48"x48"x48"

D1-1D (CEDAR)
60"x18"

D1-1D (MAIN)
60"x18"

R6-1R
36"x12"

R6-4
30"x24"

W11-2(R)
36"x36"

W16-7P(R)
30"x18"

W12-1
36"x36"

R4-7
24"x30"

OM1-3
18"x18"

E1-1 (CC-160)

E1-1 (CEDAR-MAIN)

CC TO 65

79+48
79+54
79+76
79+86
79+88
0+91
0+92
0+96
1+07
1+19
1+35
1+42
1+43
1+44
1+56
1+66
1+73
1+96
2+04
2+63
3+23
4+86
4+99
5+16
5+23
5+26
5+70
5+84

SIGN 23 & 24 DETAIL - STA:3+23

20.88'
0.51'
3.01'
35.47'
4.0'
4.0'
3.5'
5'

SCALE
0 20 40 60

SIGNING
SHEET 2 OF 9

Jacob Berry
2024.08.09 17:36:03-05'00'

STATE OF MISSOURI
JACOB ALDEN BERRY
NUMBER PE-2021035235
PROFESSIONAL ENGINEER

JACOB ALDEN BERRY - ENGINEER
MO# PE-2021035235

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	66

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

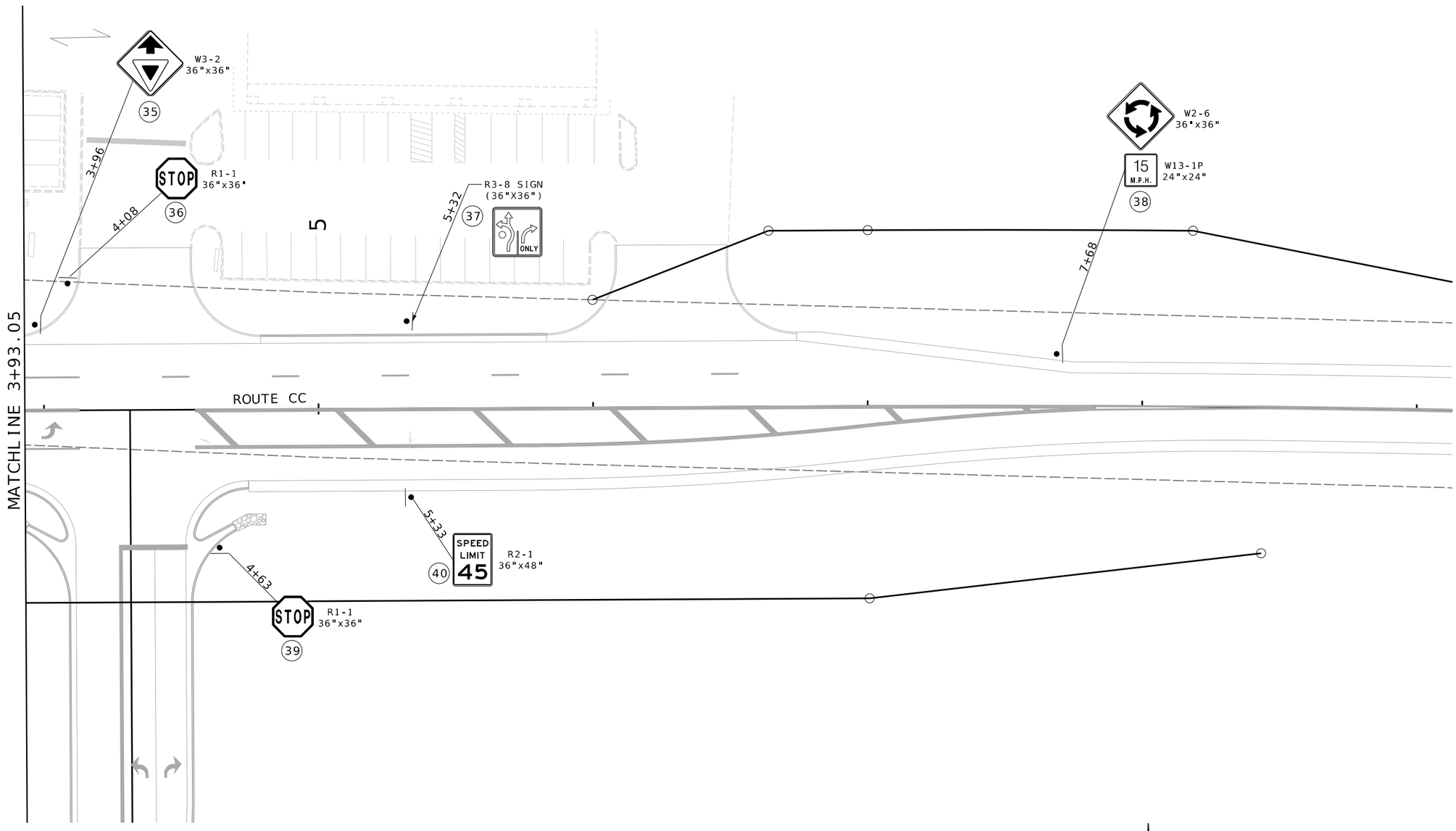
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

MoDOT

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

F:\2022\01501-02000\022-01597\40-Design\Microstation\J8S0736F\plan_sheets\13 Signing\066_SN_02_J80736F_120.dgn 4:38:10 PM 8/9/2024



Jacob Berry
2024.08.09 17:35:36-05'00'

STATE OF MISSOURI
JACOB ALDEN BERRY
NUMBER PE-2021035235
PROFESSIONAL ENGINEER

JACOB ALDEN BERRY - ENGINEER
MO# PE-2021035235

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	67

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

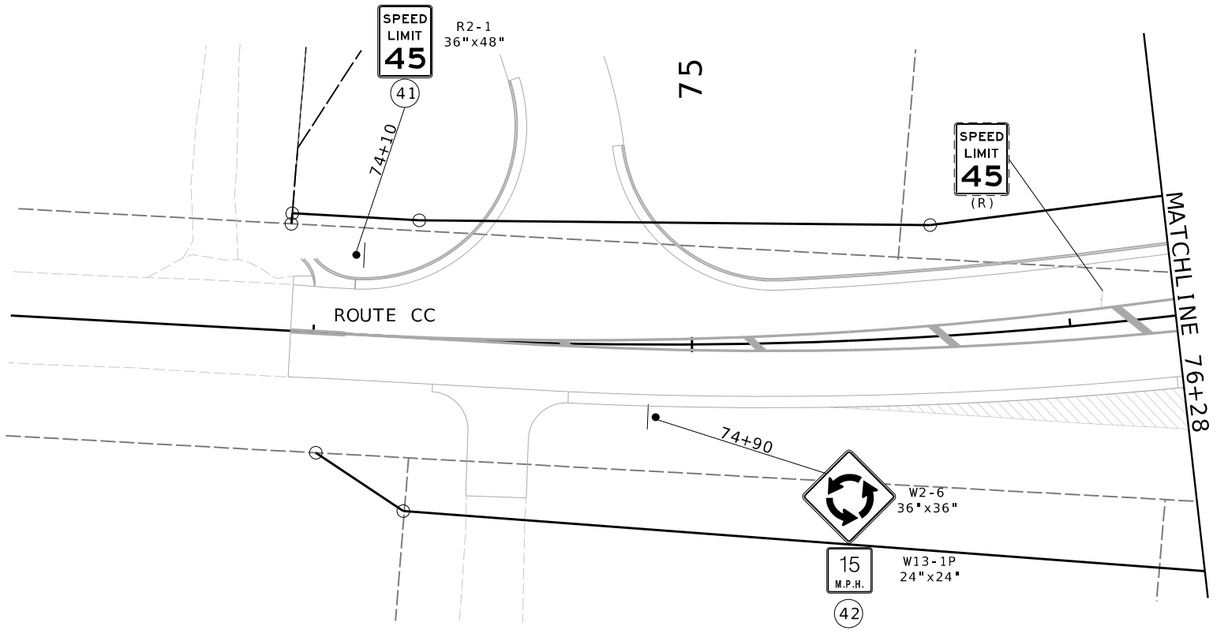
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

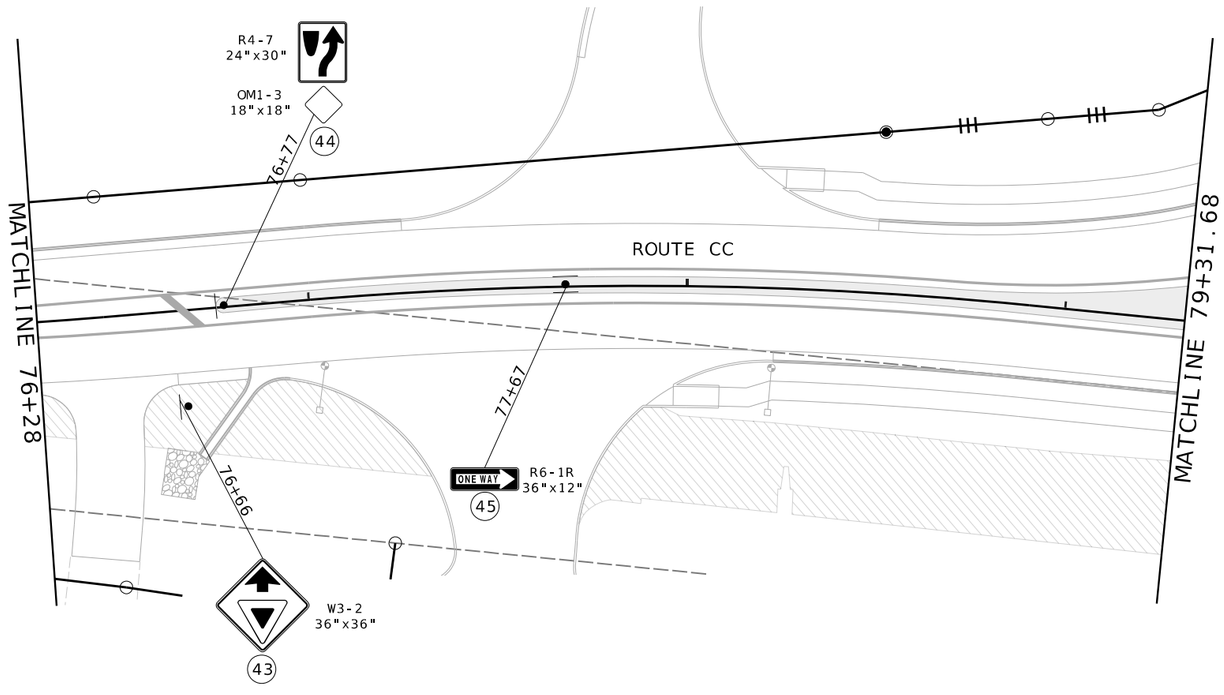
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

SIGNING
SHEET 3 OF 9

F:\2022\01501-02000\022-01597\40-Design\Microstation\J8S0736F\plan_sheets\13 Signing\067_SN_03_J80736F_I20.dgn 4:38:14 PM 8/9/2024





SCALE

0 20 40 60

SIGNING
SHEET 4 OF 9

Jacob Berry
2024.08.09 17:35:12-05'00'

STATE OF MISSOURI
JACOB ALDEN BERRY
NUMBER PE-2021035235
PROFESSIONAL ENGINEER

JACOB ALDEN BERRY - ENGINEER
MO# PE-2021035235

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	68

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

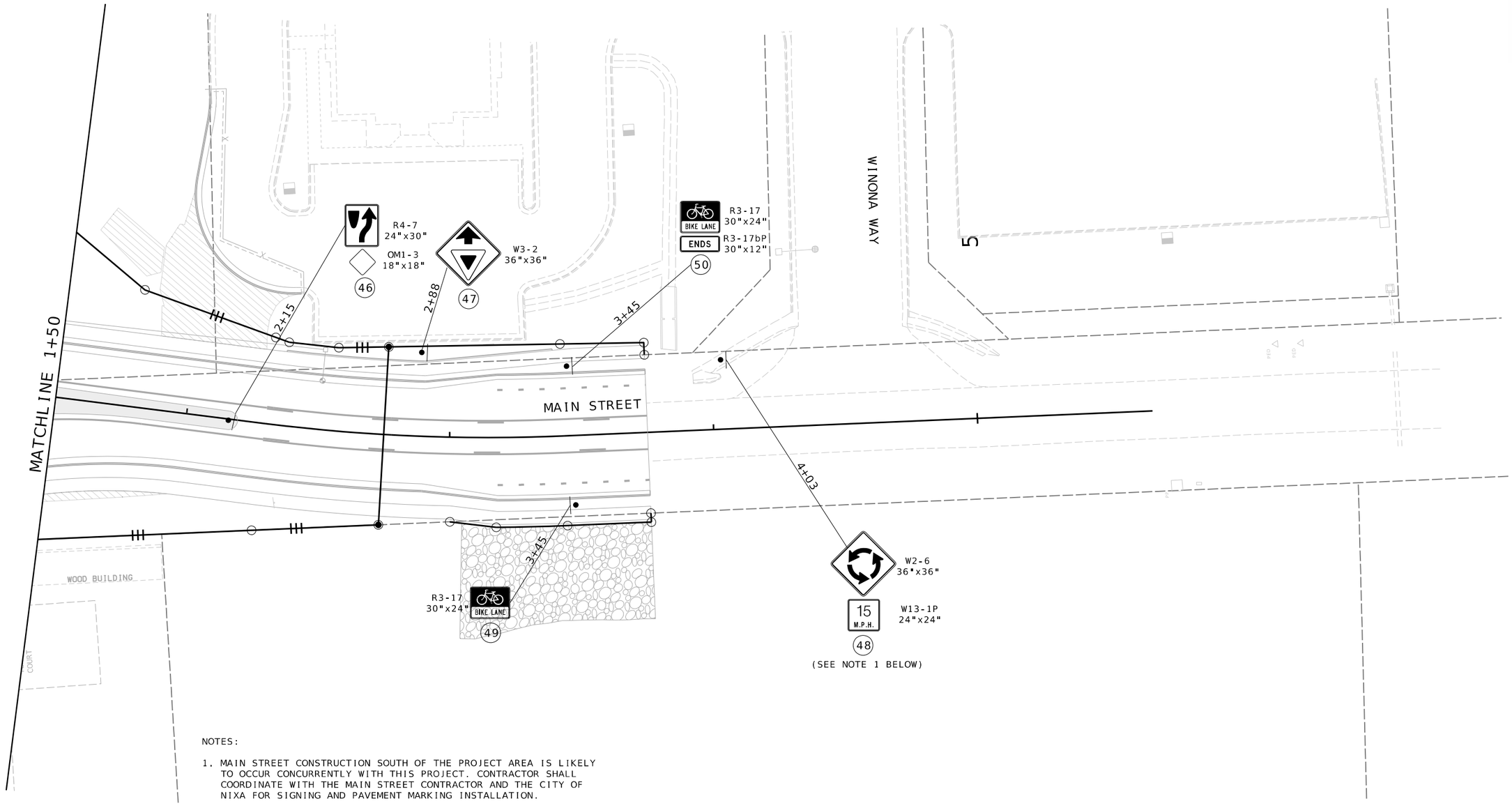
DESCRIPTION	DATE

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592



NOTES:

1. MAIN STREET CONSTRUCTION SOUTH OF THE PROJECT AREA IS LIKELY TO OCCUR CONCURRENTLY WITH THIS PROJECT. CONTRACTOR SHALL COORDINATE WITH THE MAIN STREET CONTRACTOR AND THE CITY OF NIXA FOR SIGNING AND PAVEMENT MARKING INSTALLATION.

SCALE
0 20 40 60

SIGNING
SHEET 5 OF 9

Jacob Berry
2024.08.09 17:34:54-05'00'

STATE OF MISSOURI
JACOB ALDEN BERRY
NUMBER PE-2021035235
PROFESSIONAL ENGINEER

JACOB ALDEN BERRY - ENGINEER
MO# PE-2021035235

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	69

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

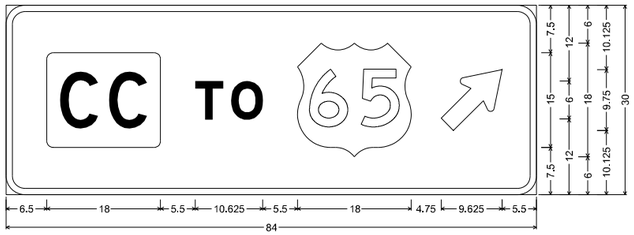
DATE	DESCRIPTION

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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

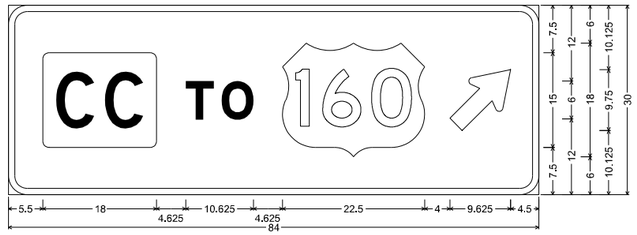
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592



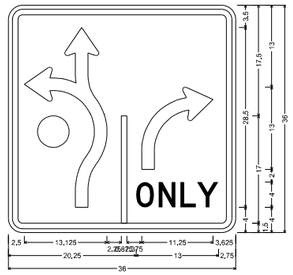
D1-1e ST-STRUCTURAL;
3.000" Radius, 1.000" Border, White on, Green;
Rounded Rectangle 1.000" Radius;
"TO", E Mod; Standard Arrow Custom 12.250" X 7.125" 45°;
Table of letter and object lefts

6.500	T 30.000	O 35.625	46.125	68.875



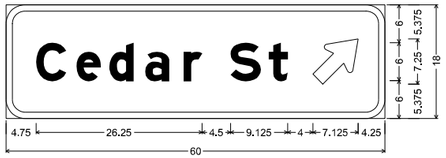
D1-1e ST-STRUCTURAL;
3.000" Radius, 1.000" Border, White on, Green;
Rounded Rectangle 1.000" Radius;
"TO", E Mod; Standard Arrow Custom 12.250" X 7.125" 45°;
Table of letter and object lefts

5.500	T 28.125	O 33.750	43.375	69.875



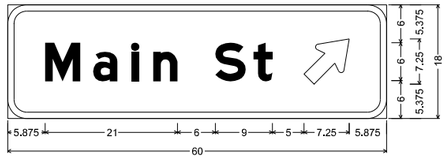
R3-8 SH-FLAT SHEET;
2.250" Radius, 0.875" Border, 0.625" Indent, Black on, White;
"ONLY", D 80% spacing;
Table of letter and object lefts

2.500	I 17.875	21.125	
O 20.250	N 23.750	L 27.250	Y 29.875



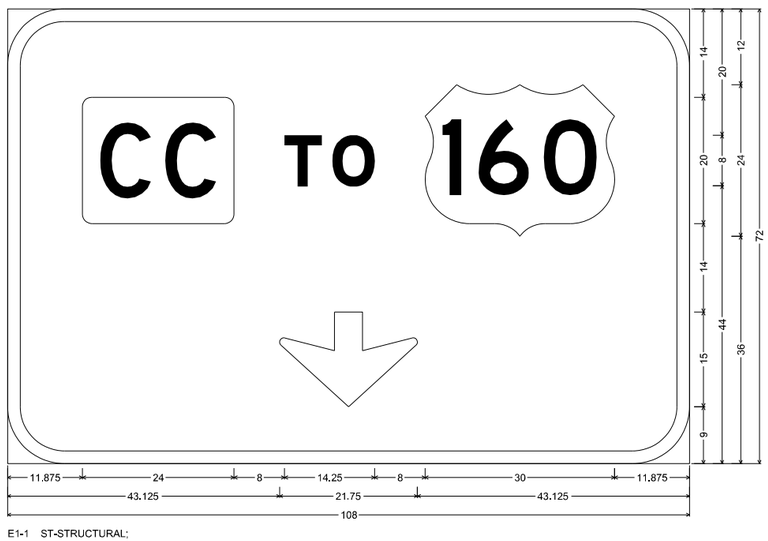
D1-1d ST-STRUCTURAL;
3.000" Radius, 1.000" Border, White on, Green;
"Cedar St", E Mod; Standard Arrow Custom 9.000" X 6.000" 45°;
Table of letter and object lefts

C 4.750	e 11.125	d 16.375	a 22.000	r 28.125	S 35.500	t 41.625	48.625



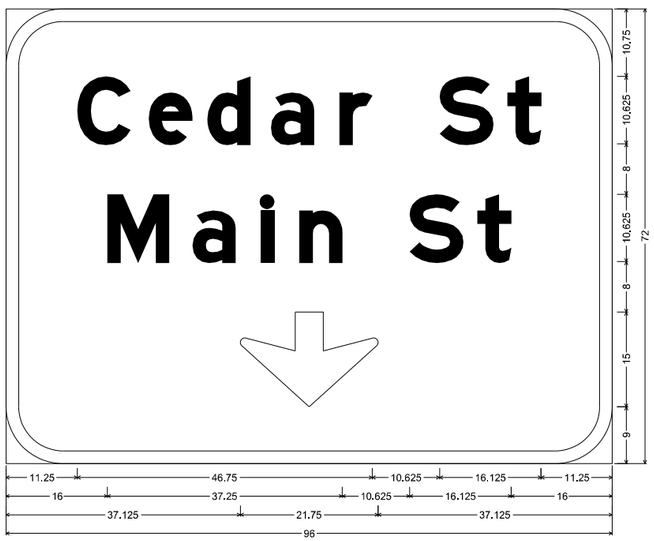
D1-1d ST-STRUCTURAL;
3.000" Radius, 1.000" Border, White on, Green;
"Main St", E Mod; Standard Arrow Custom 9.000" X 6.000" 45°;
Table of letter and object lefts

M 5.875	a 13.500	l 19.625	n 23.000	S 32.875	t 38.875	46.875



E1-1 ST-STRUCTURAL;
9.000" Radius, 2.000" Border, White on, Green;
Rounded Rectangle 1.500" Radius;
"TO", E Mod; Down Arrow 22.000" 270^;
Table of letter and object lefts

11.875	T 43.875	O 51.500	66.125
43.125			



E1-1 ST-STRUCTURAL;
9.000" Radius, 2.000" Border, White on, Green;
"Cedar St", E Mod; "Main St", E Mod; Down Arrow 22.000" 270^;
Table of letter and object lefts

C 11.250	e 22.625	d 31.875	a 42.000	r 52.750	S 68.625	t 79.375
M 16.000	a 29.500	l 40.375	n 46.500	S 63.875	t 74.625	
37.125						

Jacob Berry
2024.08.09 17:34:36-05'00'

STATE OF MISSOURI
JACOB ALDEN BERRY
NUMBER PE-2021035235
PROFESSIONAL ENGINEER

JACOB ALDEN BERRY - ENGINEER
MO# PE-2021035235

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	70

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF AUTHORITY NO. 001592

SIGNING
SHEET 6 OF 9

SIGNS						CONCRETE FOOTINGS EMBEDDED	STEEL POST*						PIPE POST*					BACKING BARS**				U-CHANNEL POST	PERFORATED SQUARE STEEL TUBE POST 2.5 IN.							REMARKS AND OTHER REQUIRED ITEMS.
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	PIPE SIZE	POST NO. 1	POST NO. 2	LBS PER FT	TOTAL	2" x 3/8" BARS @ 2.55 LBS PER FT				ITEM NO. 9031250A	POST NO. 1	POST NO. 2	TOTAL	2.25" INSERT (6 FT)	ANCHORS		BREAKWAY ASSEMBLY	
																		NO. EACH	LGTH IN.	TOTAL LF	TOTAL LBS						DRIVEN 7-GA.	CONCRETE 7-GA.		
						CY		LF	LF	LF		LBS	IN.	LF	LF		LBS					LF	LF			LF	EA	EA	EA	EA	
1	ASSEMBLY	2+04		CEDAR STREET																			16		16			1		
2	36"X36"	3+14		CEDAR STREET																			16		16			1		
3	ASSEMBLY	4+25		CEDAR STREET																			16		16			1		
4	ASSEMBLY	4+86		CEDAR STREET																			16		16			1		
5	ASSEMBLY	4+99		CEDAR STREET																			16		16			1		
6	48"X48"X48"	5+16		CEDAR STREET																			16		16			1		
7	48"X48"X48"	5+26		CEDAR STREET																			16		16			1		
8	60"X18"	5+23		CEDAR STREET	SHEET 6																		16	16	32			2		
9	ASSEMBLY	1+19		MAIN STREET																			16		16			1		
10	60"X18"	0+96		MAIN STREET	SHEET 6																		16	16	32			2		
11	48"X48"X48"	79+76		ROUTE CC																			16		16			1		
12	48"X48"X48"	79+88		ROUTE CC																			16		16			1		
13	ASSEMBLY	79+48		ROUTE CC																			16		16			1		
14	ASSEMBLY	5+84		CEDAR STREET																			16		16			1		
15	ASSEMBLY	0+91		ROUTE CC																			16		16			1		
16	ASSEMBLY	79+54		ROUTE CC																			16		16			1		
17	84"X30"	79+86		ROUTE CC																			16	16	32			2		
18	48"X48"X48"	1+30		ROUTE CC																			16		16			1		Centered in Median
19	48"X48"X48"	1+43		ROUTE CC																			16		16			1		
20	48"X48"X48"	1+42		ROUTE CC																			16		16			1		
21	48"X48"X48"	1+56		ROUTE CC																			16		16			1		
22	ASSEMBLY	2+04		ROUTE CC																			16		16			1		
23	108"X72"	3+23		ROUTE CC	SHEET 6																									See Signing Sheet D-34 for Post Qtys
24	96"X72"	3+23		ROUTE CC	SHEET 6																									See Signing Sheet D-34 for Post Qtys
25	ASSEMBLY	2+63		ROUTE CC																			16		16			1		
26	36"X36"	1+96		ROUTE CC																			16		16			1		
27	ASSEMBLY	1+73		ROUTE CC																			16		16			1		
28	ASSEMBLY	1+66		ROUTE CC																			16		16			1		
29	84"X30"	1+44		ROUTE CC	SHEET 6																		16	16	32			2		
30	ASSEMBLY	5+70		CEDAR STREET																			16		16			1		
31	ASSEMBLY	0+69		MAIN STREET																			16		16			1		
32	48"X48"X48"	0+92		MAIN STREET																			16		16			1		
33	48"X48"X48"	1+07		MAIN STREET																			16		16			1		
34	ASSEMBLY	1+35		MAIN STREET																			16		16			1		
35	36"X36"	3+96		MAIN STREET																			16		16			1		
36	36"X36"	4+08		MAIN STREET																			16		16			1		
37	36"X36"	5+32		MAIN STREET																			16		16			1		
38	ASSEMBLY	7+68		MAIN STREET																			16		16			1		
39	36"X36"	4+63		MAIN STREET																			16		16			1		
40	36"X48"	5+33		MAIN STREET																			16		16			1		
41	36"X48"	74+10		ROUTE CC																			16		16			1		
42	ASSEMBLY	74+90		ROUTE CC																			16		16			1		
43	36"X36"	76+66		ROUTE CC																			16		16			1		
44	ASSEMBLY	76+77		ROUTE CC																			16		16			1		
45	36"X12"	77+67		ROUTE CC																			16		16			1		
46	ASSEMBLY	2+15		MAIN STREET																			16		16			1		
47	36"X36"	2+88		MAIN STREET																			16		16			1		R&R, New Post
48	ASSEMBLY	4+03		MAIN STREET																			16		16			1		
49	R3-17	3+45		MAIN STREET																			16		16			1		
50	ASSEMBLY	3+45		MAIN STREET																			16		16			1		
SUBTOTAL																								832			52		
TOTAL																								832			52		

* BREAKAWAY ASSEMBLY IS INCIDENTAL FOR STRUCTURAL STEEL AND PIPE POSTS.
** BACKING BARS ARE TOTALED WITH STRUCTURAL STEEL OR PIPE POSTS.

SIGNING
SHEET 7 OF 9

Jacob Berry
2024.08.09 17:34:17-05'00'

STATE OF MISSOURI
JACOB ALDEN BERRY
NUMBER PE-2010035235
PROFESSIONAL ENGINEER

JACOB ALDEN BERRY - ENGINEER
MO# PE-2010035235

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	71

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

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

TUBULAR STEEL SUPPORT DESIGN DATA - STANDARDS 903.05 THRU 903.08

SIGN NO.	STATION	LOCATION	SIGN DTL. SHT. NO.	TYPE	TUBULAR STRUCTURAL SUPPORT QTY	SPAN OR ARM LENGTH	B LENGTH	POST LENGTH NO. 1	POST LENGTH NO. 2	CONCRETE FOOTINGS	SIGN DATA SPREAD	SIGN A L	SIGN A H	SPACE	SIGN B L	SIGN B H	TOTAL
					EA	FT-IN	FT-IN	FT	FT	CY	FT-IN	FT-IN	FT-IN	FT-IN	FT-IN	FT-IN	SQ FT
23	3+23	ROUTE CC	SHEET 6	TYPE C, DOUBLE ARM CANTILEVER, TRUSS TYPE, C 2018	1	34'-0"	17'-6"	20.88'		4.71	20'-6"	108"	72"	3'-6"			54.0
24			SHEET 6				29'-4"								96"	72"	48.0
SUBTOTAL					1					4.71							
TOTAL					1					4.7							

STANDARD SIGN ASSEMBLIES

SIGN NO.	STATION	LOCATION	SHR2L-1	SHR2L-1	SHR2L-1	SHR2L-1	SHR2L-1	SHR2L-1	SHR2L-1	SHR2L-1	SHR2L-1	SHR2L-1	SHR2L-1	SHR2L-1	SHR2L-1	SHR2L-1	SHR2L-1	SHR2L-1	STR2L-1	STR2L-1	STR2L-1	SHR2L-1	SHR2L-1	STR2L-1
			SIGN DESCRIPTION, SIZES & NUMBER OF EACH																					
			STOP R1-1 36"X36" R1-1	R1-2 48"X48"X48" R1-2	SPEED LIMIT R2-1 36"X48" R2-1	R3-8 36"X36" R3-8	BIKE LANE R3-17 30"X24" R3-17	ENDS R3-17bP 30"X12" R3-17bP	R4-7 24"X30" R4-7	ONE WAY R6-1R 36"X12" R6-1R	R6-4 30"X24" R6-4	W2-6 36"X36" W2-6	W3-2 36"X36" W3-2	W11-2 36"X36" W11-2	W12-1 36"X36" W12-1	M.P.H. W13-1P 24"X24" W13-1P	AHEAD W16-9P 30"X18" W16-7P	CM1-3 18"X18" CM1-3	Cedar St DI-1D (Cedar) 60"X18" DI-1D (Cedar)	Main St DI-1D (Main) 60"X18" DI-1D (Main)	CC TO 160 DI-1a (CC/160) 84"X30" DI-1a (CC/160)	CC TO 65 DI-1a (CC/65) 84"X30" DI-1a (CC/65)	CC TO 160 E1-1 (CC/160) 108"X72" E1-1 (CC/160)	Cedar St Main St E1-1 (Cedar/Main) 96"X72" E1-1 (Cedar/Main)
1	2+04	CEDAR STREET										1				1								
2	3+14	CEDAR STREET											1											
3	4+25	CEDAR STREET							1									1						
4	4+86	CEDAR STREET												1			1							
5	4+99	CEDAR STREET												1			1							
6	5+16	CEDAR STREET		1																				
7	5+26	CEDAR STREET		1																				
8	5+23	CEDAR STREET																	1					
9	1+19	MAIN STREET												1			1							
10	0+96	MAIN STREET																		1				
11	79+76	ROUTE CC		1																				
12	79+88	ROUTE CC		1																				
13	79+48	ROUTE CC												1			1							
14	5+84	CEDAR STREET								1	1													
15	0+91	ROUTE CC								1	1													
16	79+54	ROUTE CC												1			1							
17	79+86	ROUTE CC																			1			
18	1+30	ROUTE CC		1																				
19	1+43	ROUTE CC		1																				
20	1+42	ROUTE CC		1																				
21	1+56	ROUTE CC		1																				
22	2+04	ROUTE CC												1			1							
23	3+23	ROUTE CC																					1	
24	3+23	ROUTE CC																						1
25	2+63	ROUTE CC							1									1						
26	1+96	ROUTE CC													1									
27	1+73	ROUTE CC												1			1							
28	1+66	ROUTE CC												1			1							
29	1+44	ROUTE CC																				1		
30	5+70	CEDAR STREET								1	1													
31	0+69	MAIN STREET								1	1													
32	0+92	MAIN STREET		1																				
33	1+07	MAIN STREET		1																				
34	1+35	MAIN STREET												1			1							
35	3+96	MAIN STREET											1											
36	4+08	MAIN STREET	1																					
37	5+32	MAIN STREET				1																		
38	7+68	MAIN STREET										1				1								
39	4+63	MAIN STREET	1																					
40	5+33	MAIN STREET			1																			
41	74+10	ROUTE CC			1																			
42	74+90	ROUTE CC										1				1		1						
43	76+66	ROUTE CC											1											
44	76+77	ROUTE CC							1									1						
45	77+67	ROUTE CC								1														
46	2+15	MAIN STREET							1									1						
47	2+88	MAIN STREET											1											
48	4+03	MAIN STREET										1				1								
49	3+45	MAIN STREET					1																	
50	3+45	MAIN STREET					1	1																
		TOTAL	2	10	2	1	2	1	4	5	4	4	4	9	1	4	9	5	1	1	1	1	1	1

SIGNING
SHEET 8 OF 9

Jacob Berry
2024.08.09 17:33:52-05'00'

STATE OF MISSOURI
JACOB ALDEN BERRY
NUMBER PE-2021035235
PROFESSIONAL ENGINEER

JACOB ALDEN BERRY - ENGINEER
MO# PE-2021035235

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	72

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

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

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

SIGN SUMMARY

STANDARD SIGN OR SPECIAL SIGN NO.	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 FLORESCENT STF* ITEM NO. 9035071A
R1-1	STD	2	36"X36"	18.0			
R1-2	STD	10	48"X48"X48"	69.3			
R2-1	STD	2	36"X48"	24.0			
R3-8	6	1	36'X36"	9.0			
R3-17	STD	2	30'X24"	10.0			
R3-17bP	STD	1	30'X12"	2.5			
R4-7	STD	4	24"X30"	20.0			
R6-1R	STD	5	36"X12"	15.0			
R6-4	STD	4	30"X24"	20.0			
W2-6	STD	4	36"X36"		36.0		
W3-2	STD	4	36"X36"		36.0		
W11-2	STD	9	36"X36"		81.0		
W12-1	STD	1	36"X36"		9.0		
W13-1P	STD	4	24"X24"		16.0		
W16-7P	STD	9	30"X18"		33.8		
OM1-3	STD	5	18"X18"		11.3		
D1-1D (Cedar)	6	1	60"X18"			7.5	
D1-1D (Main)	6	1	60"X18"			7.5	
D1-1a (CC/160)	6	1	84"X30"			17.5	
D1-1a (CC/65)	6	1	84"X30"			17.5	
E1-1 (CC/160)	6	1	108"X72"			54.0	
E1-1 (Cedar/Main)	6	1	96"X72"			48.0	
SUBTOTAL				187.8	223.1	152.0	
TOTAL				188	223	152	

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

Jacob Berry
2024.08.09 17:36:47-05'00'

STATE OF MISSOURI
JACOB ALDEN BERRY
NUMBER PE-2021035235
PROFESSIONAL ENGINEER

JACOB ALDEN BERRY - ENGINEER
MO# PE-2021035235

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	73

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

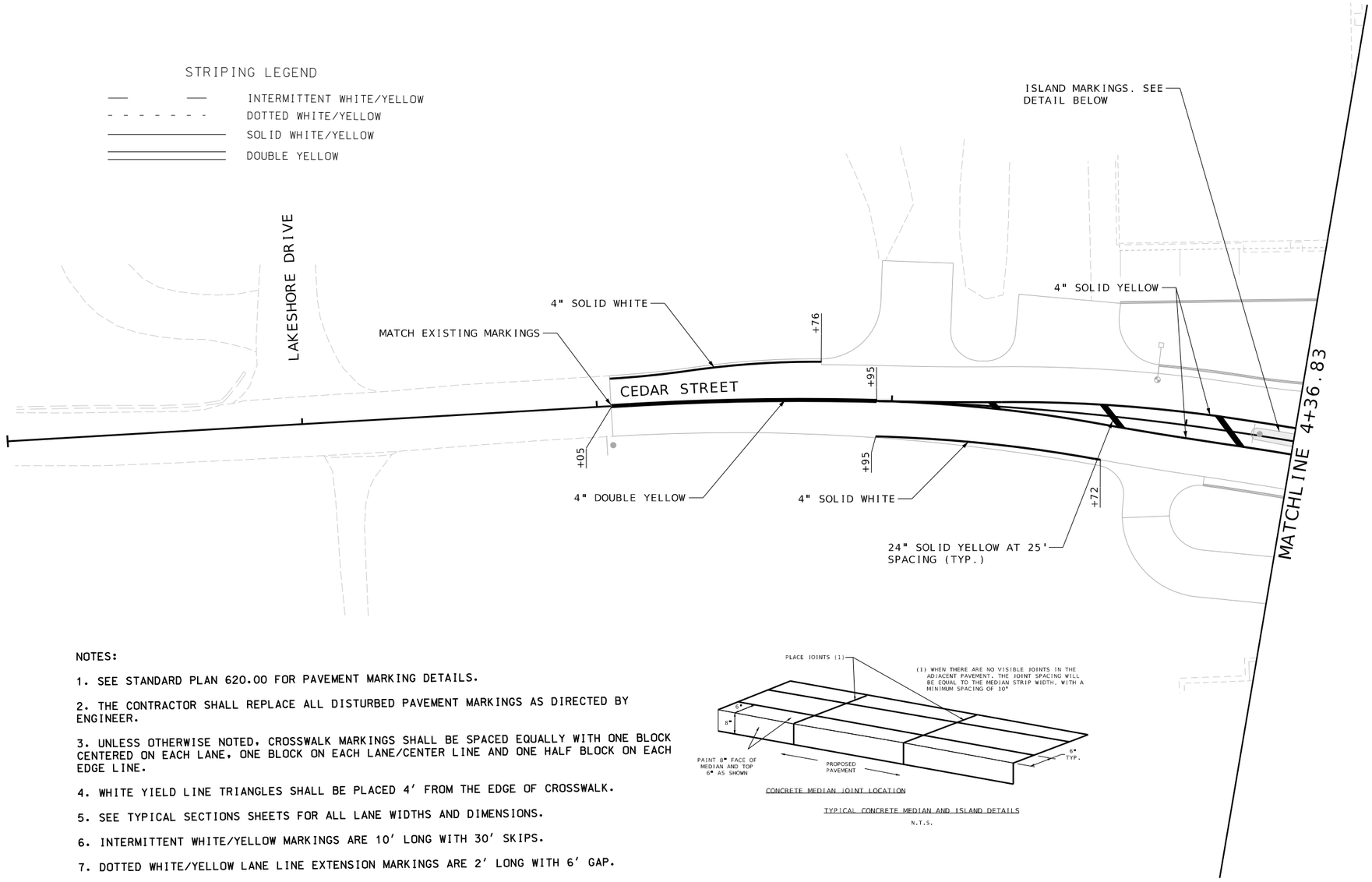
STRIPING LEGEND

INTERMITTENT WHITE/YELLOW

DOTTED WHITE/YELLOW

SOLID WHITE/YELLOW

DOUBLE YELLOW



NOTES:

1. SEE STANDARD PLAN 620.00 FOR PAVEMENT MARKING DETAILS.

2. THE CONTRACTOR SHALL REPLACE ALL DISTURBED PAVEMENT MARKINGS AS DIRECTED BY ENGINEER.

3. UNLESS OTHERWISE NOTED, CROSSWALK MARKINGS SHALL BE SPACED EQUALLY WITH ONE BLOCK CENTERED ON EACH LANE, ONE BLOCK ON EACH LANE/CENTER LINE AND ONE HALF BLOCK ON EACH EDGE LINE.

4. WHITE YIELD LINE TRIANGLES SHALL BE PLACED 4' FROM THE EDGE OF CROSSWALK.

5. SEE TYPICAL SECTIONS SHEETS FOR ALL LANE WIDTHS AND DIMENSIONS.

6. INTERMITTENT WHITE/YELLOW MARKINGS ARE 10' LONG WITH 30' SKIPS.

7. DOTTED WHITE/YELLOW LANE LINE EXTENSION MARKINGS ARE 2' LONG WITH 6' GAP.

CONCRETE MEDIAN JOINT LOCATION

TYPICAL CONCRETE MEDIAN AND ISLAND DETAILS

N.T.S.

SCALE

0 20 40 60

PAVEMENT MARKING
SHEET 1 OF 6

Jacob Berry
2024.08.09 17:38:57-05'00'

STATE OF MISSOURI
JACOB ALDEN BERRY
NUMBER PE-2021035235
PROFESSIONAL ENGINEER

JACOB ALDEN BERRY - ENGINEER
MO# PE-2021035235

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	74

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

CONTRACT ID.

PROJECT NO.

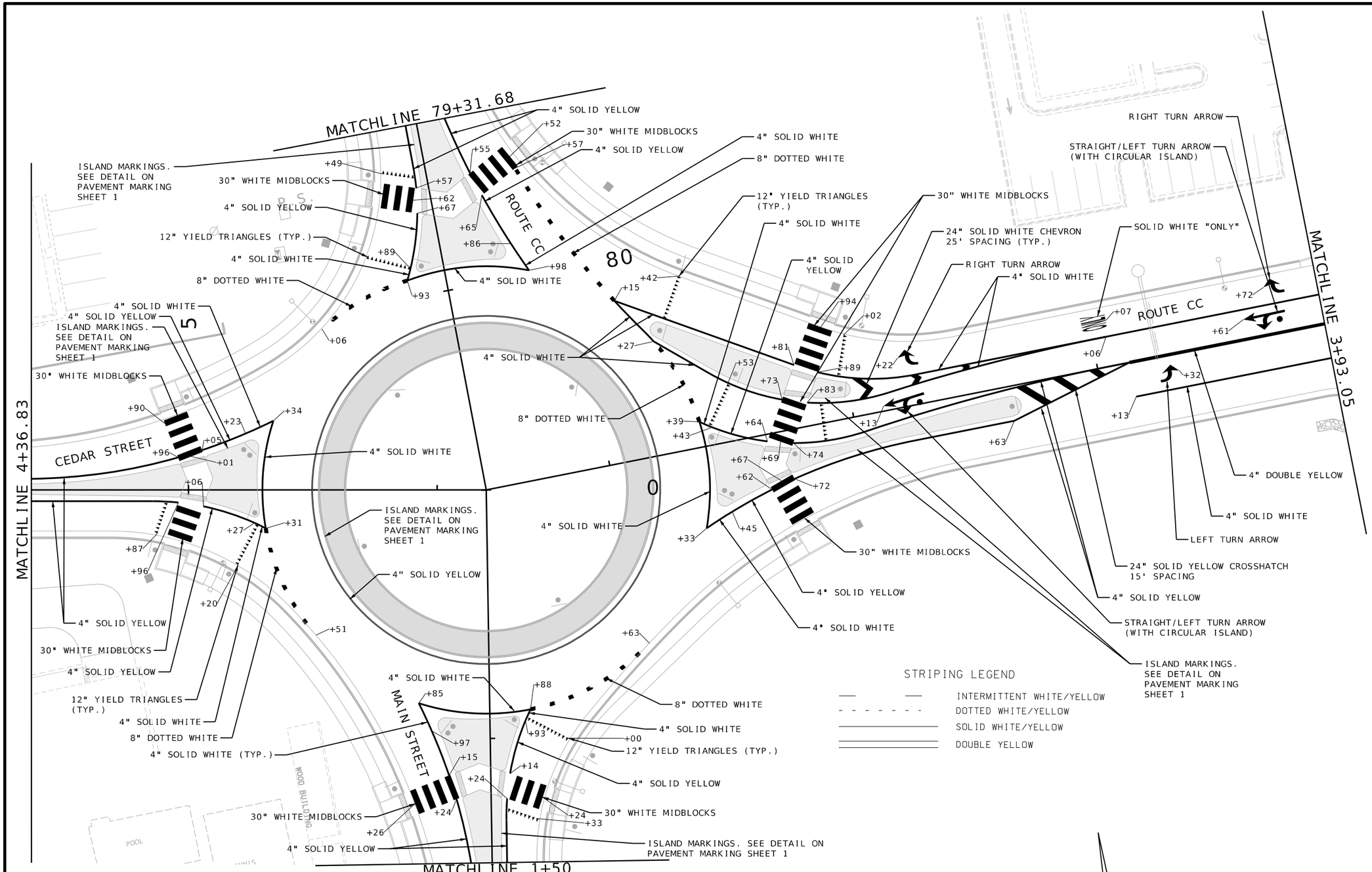
BRIDGE NO.

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF AUTHORITY NO. 001592



Jacob Berry
2024.08.09 17:38:37-05'00'

STATE OF MISSOURI
JACOB ALDEN BERRY
NUMBER PE-2021035235
PROFESSIONAL ENGINEER

JACOB ALDEN BERRY - ENGINEER
MO# PE-2021035235

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	75

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

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

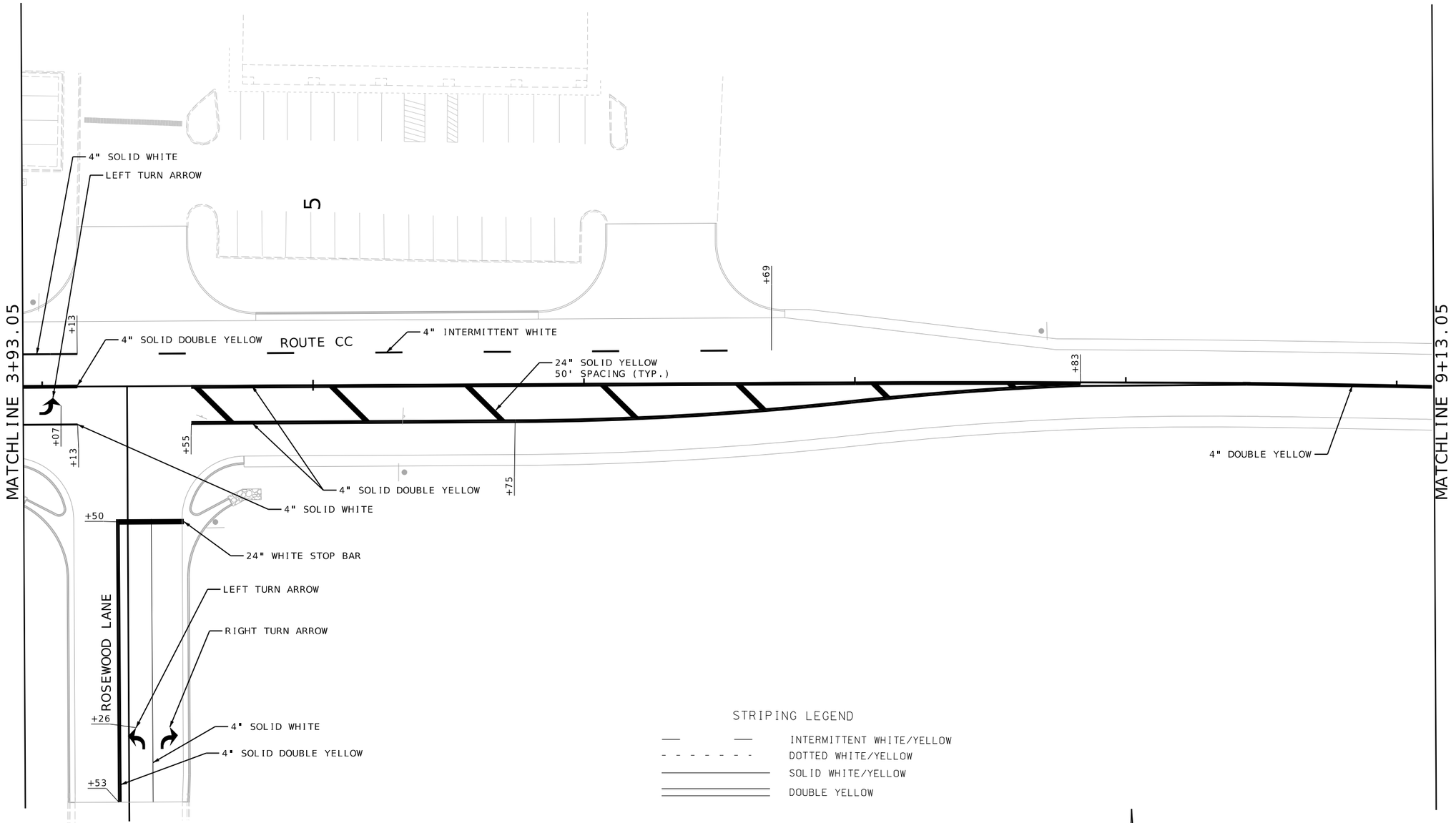
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

MoDOT

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

PAVEMENT MARKING
SHEET 2 OF 6



STRIPING LEGEND

- INTERMITTENT WHITE/YELLOW
- DOTTED WHITE/YELLOW
- SOLID WHITE/YELLOW
- DOUBLE YELLOW

SCALE

0 20 40 60

PAVEMENT MARKING
SHEET 3 OF 6

Jacob Berry
2024.08.09 17:38:15-05'00'

STATE OF MISSOURI
JACOB ALDEN BERRY
NUMBER PE-2021035235
PROFESSIONAL ENGINEER

JACOB ALDEN BERRY - ENGINEER
MO# PE-2021035235

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	76

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

F:\2022\01501-02000\022-01597\40-Design\Microstation\J8S0736F\plan_sheets\14 Pavement Marking\076_PM_03_J8S0736F_120.dgn 4:38:41 PM 8/9/2024

STRIPING LEGEND

- INTERMITTENT WHITE/YELLOW
- DOTTED WHITE/YELLOW
- SOLID WHITE/YELLOW
- DOUBLE YELLOW

SCALE

0 20 40 60

PAVEMENT MARKING
SHEET 4 OF 6

Jacob Berry
2024.08.09 17:37:52-05'00'

STATE OF MISSOURI
JACOB ALDEN BERRY
NUMBER PE-2021035235
PROFESSIONAL ENGINEER

JACOB ALDEN BERRY - ENGINEER
MO# PE-2021035235

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	77

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

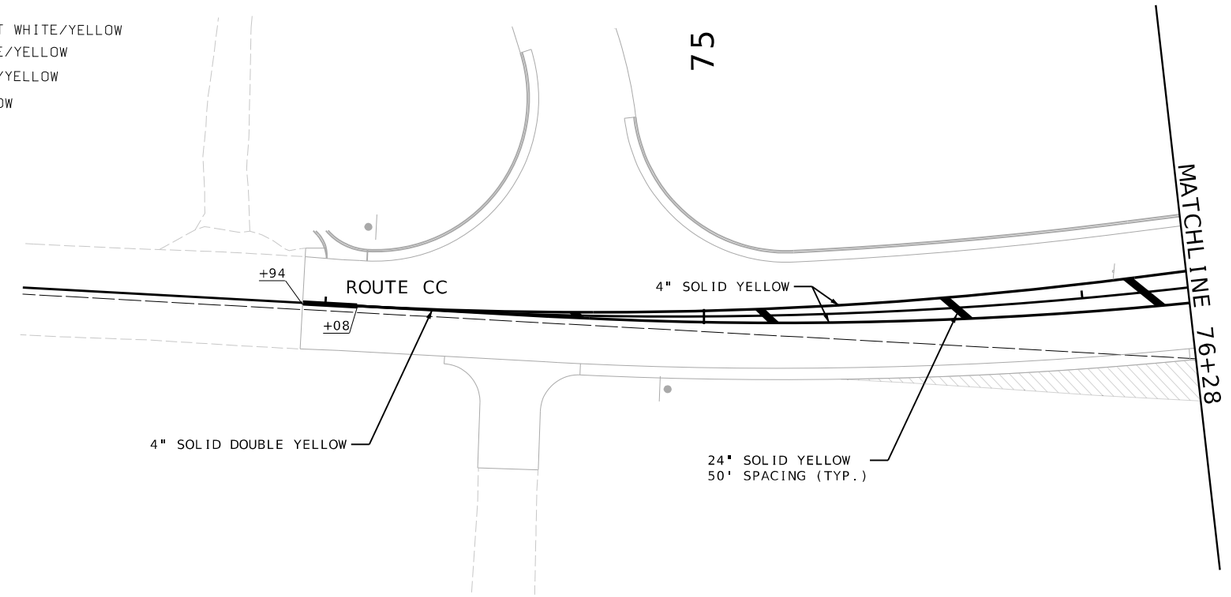
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

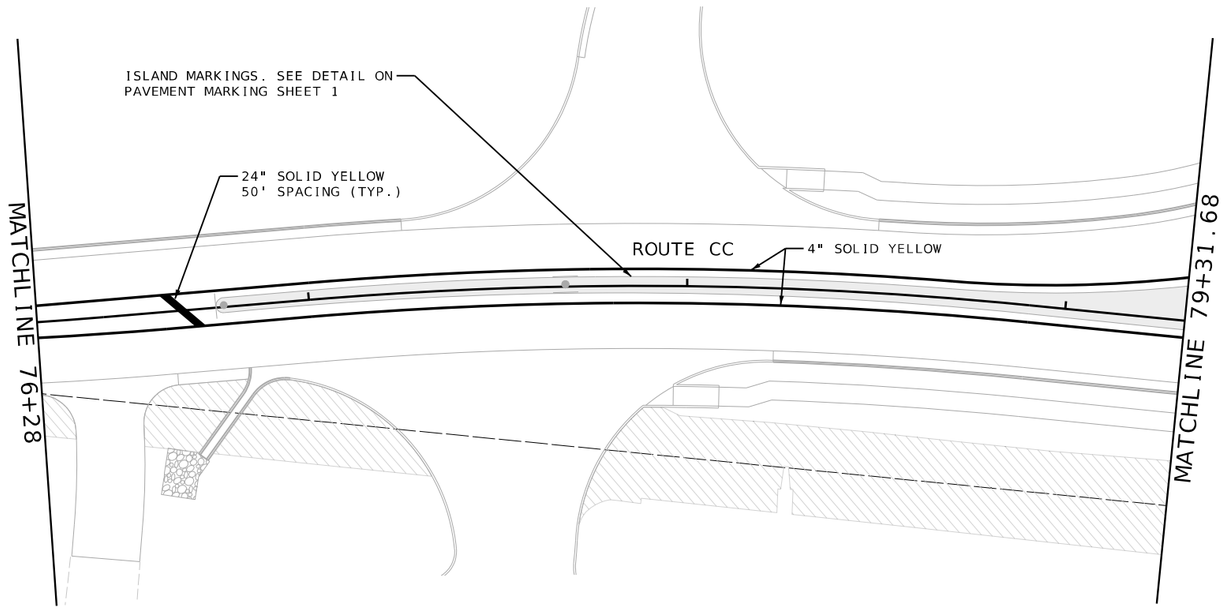
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

STRIPING LEGEND

- INTERMITTENT WHITE/YELLOW
- DOTTED WHITE/YELLOW
- SOLID WHITE/YELLOW
- DOUBLE YELLOW





SCALE

0 20 40 60

PAVEMENT MARKING
SHEET 5 OF 6

Jacob Berry
2024.08.09 17:37:27-05'00'

STATE OF MISSOURI
JACOB ALDEN BERRY
NUMBER PE-2021035235
PROFESSIONAL ENGINEER

JACOB ALDEN BERRY - ENGINEER
MO# PE-2021035235

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	78

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

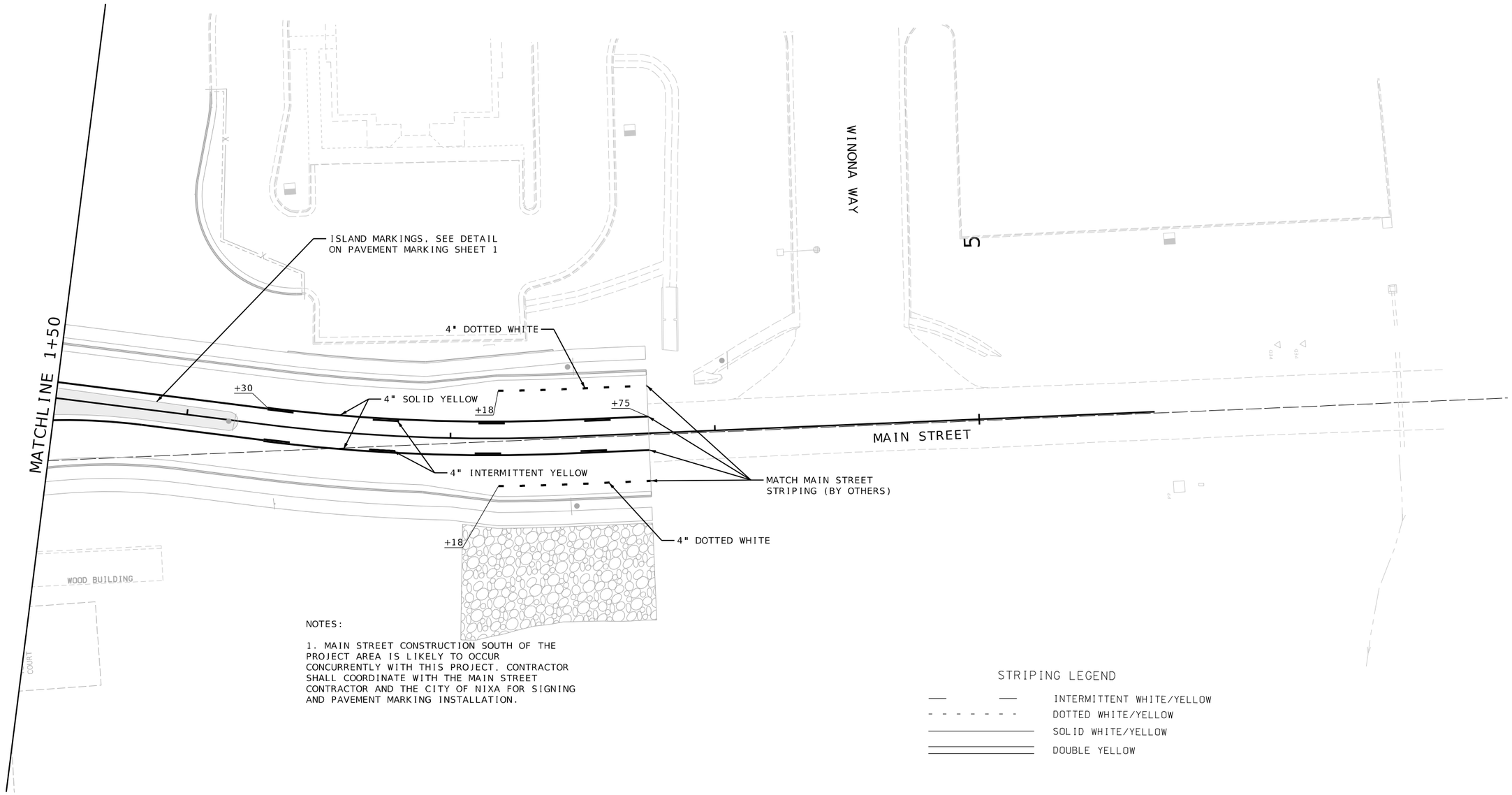
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

F:\2022\01501-02000\022-01597\40-Design\Microstation\J8S0736F\plan_sheets\14 Pavement Marking\078_PM_05_J80736F_I20.dgn 4:38:46 PM 8/9/2024



NOTES:

1. MAIN STREET CONSTRUCTION SOUTH OF THE PROJECT AREA IS LIKELY TO OCCUR CONCURRENTLY WITH THIS PROJECT. CONTRACTOR SHALL COORDINATE WITH THE MAIN STREET CONTRACTOR AND THE CITY OF NIXA FOR SIGNING AND PAVEMENT MARKING INSTALLATION.

STRIPING LEGEND

- INTERMITTENT WHITE/YELLOW
- DOTTED WHITE/YELLOW
- SOLID WHITE/YELLOW
- DOUBLE YELLOW

SCALE

0 20 40 60

PAVEMENT MARKING
SHEET 6 OF 6

Jacob Berry
2024.08.09 17:39:15-05'00'

STATE OF MISSOURI
JACOB ALDEN BERRY
NUMBER PE-2021035235
PROFESSIONAL ENGINEER

JACOB ALDEN BERRY - ENGINEER
MO# PE-2021035235

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	79

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

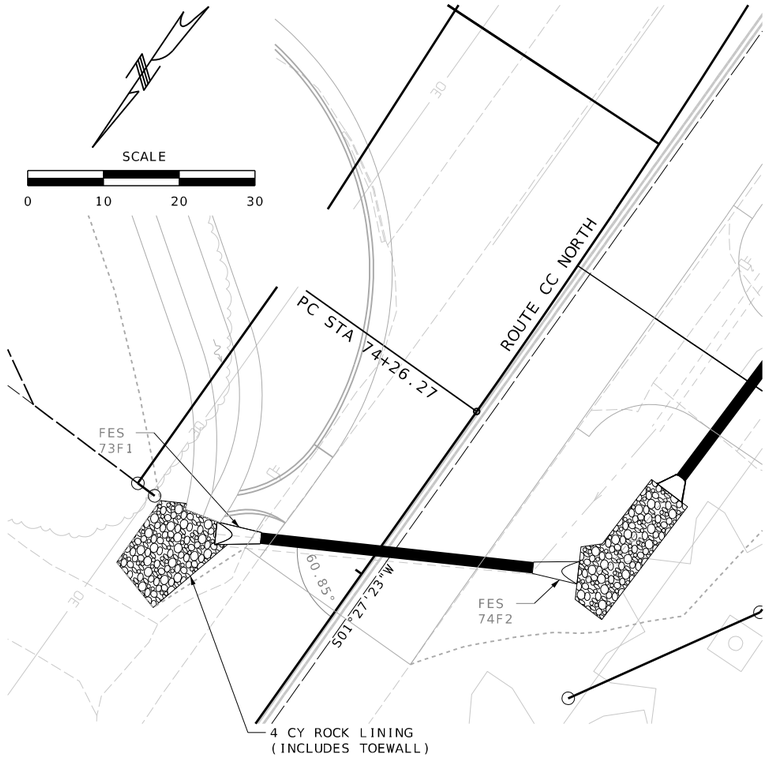
DESCRIPTION	DATE

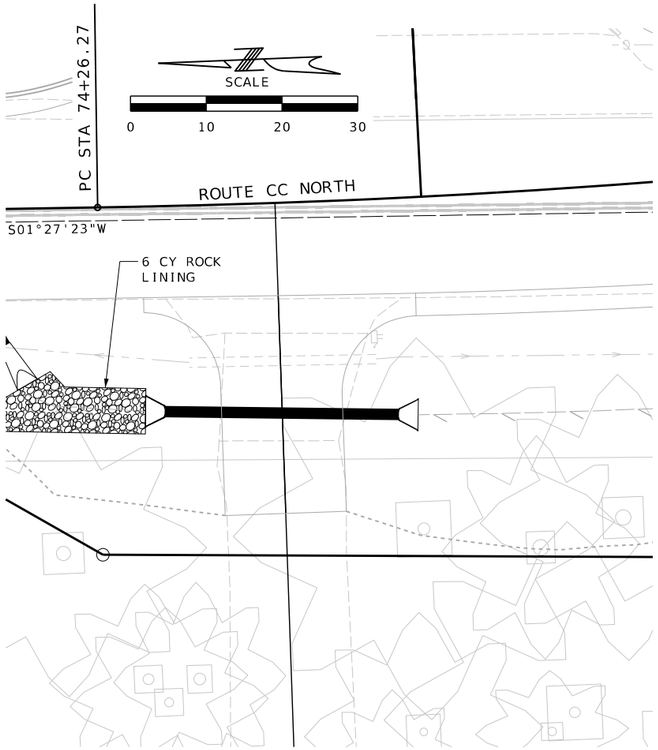
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

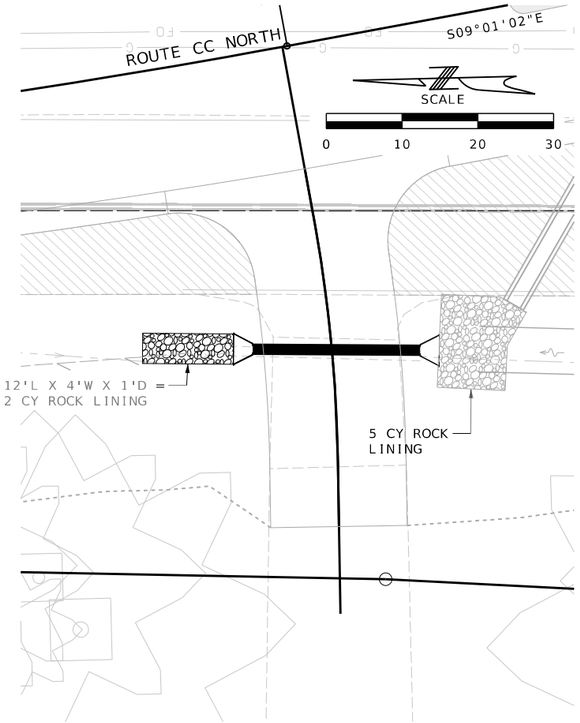
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

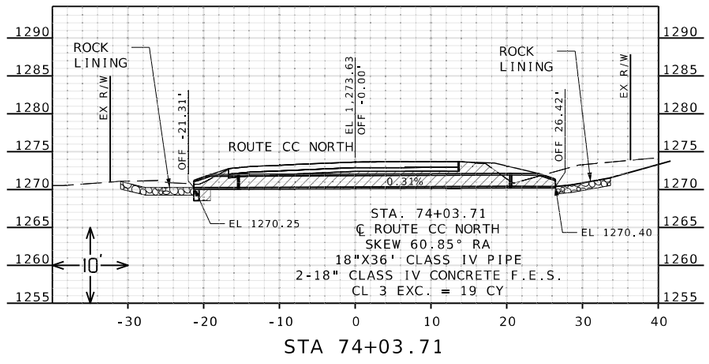
olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

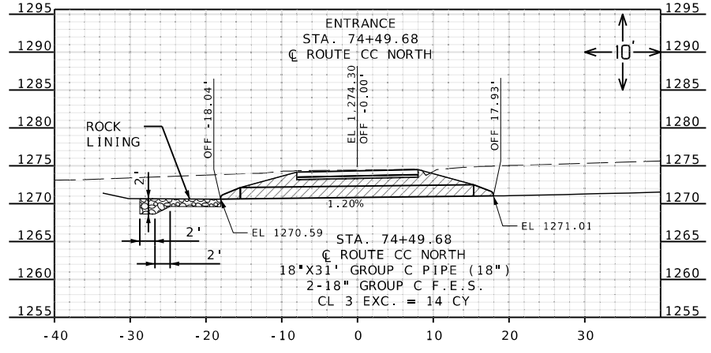
F:\2022\01501-02000\022-01597\40-Design\Microstation\J8S0736F\plan_sheets\14 Pavement Marking\079_PM_06_J80736F_I20.dgn 4:38:49 PM 8/9/2024

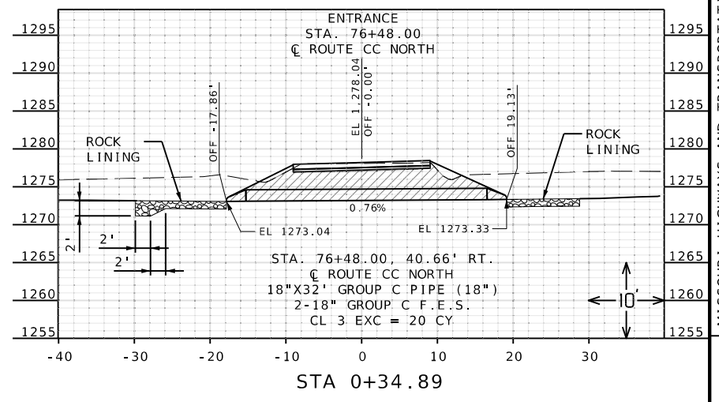












NOTE:
SEE STANDARD PLANS
609.60 FOR ROCK DITCH LINER
609.70 FOR ROCK LINING FOR CULVERT OUTLET
614.10 FOR GRATES AND BEARING PLATES
614.11 FOR CURVED VANE GRATE AND FRAME
614.30 FOR MANHOLE AND FRAME COVERS
725.00 FOR CORRUGATED METAL PIPE INSTALLATION METHODS
726.30 FOR RIGID INSTALLATION METHODS - ALL PIPES
731.10 FOR PRECAST DROP INLET
732.00 FOR FLARED END SECTION

CULVERT SECTION SHEET
SHEET 1 OF 13

Jonathan Peitz
2024.08.09 09:07:05 -05'00'
STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER
JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	80

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

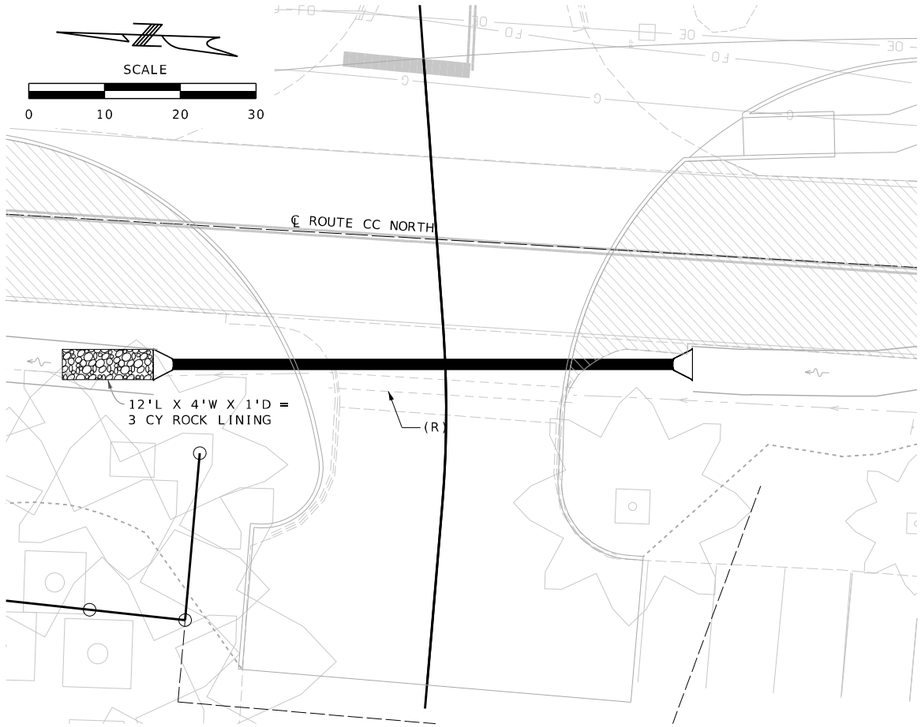
DESCRIPTION	DATE

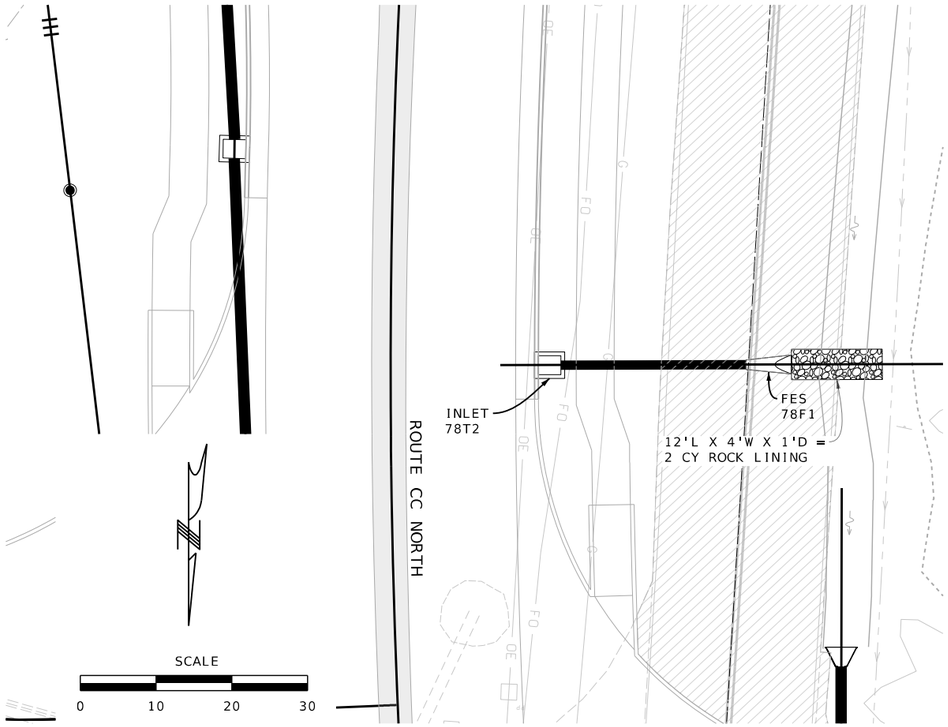
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

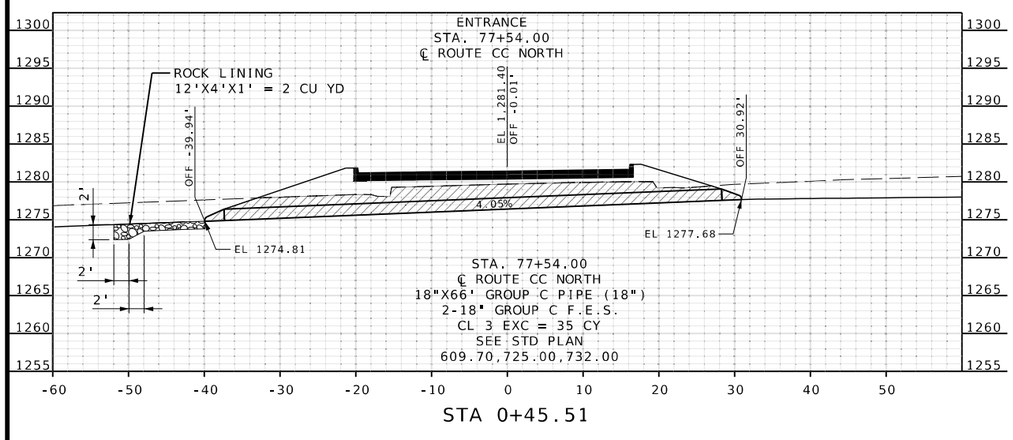
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

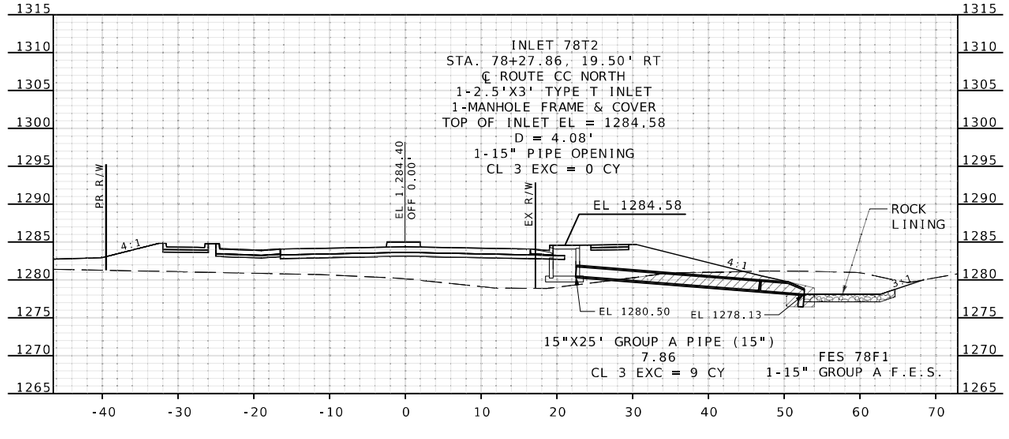
olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

F:\2022\01501-02000\022-01597\40-Design\Microstation\J8S0736F\plan_sheets\15 Culvert Sections\080_CS_01_J8S0736F_110.dgn 4:39:05 PM 8/9/2024









NOTE:
SEE STANDARD PLANS
609.60 FOR ROCK DITCH LINER
609.70 FOR ROCK LINING FOR CULVERT OUTLET
614.10 FOR GRATES AND BEARING PLATES
614.11 FOR CURVED VANE GRATE AND FRAME
614.30 FOR MANHOLE AND FRAME COVERS
725.00 FOR CORRUGATED METAL PIPE INSTALLATION METHODS
726.30 FOR RIGID INSTALLATION METHODS - ALL PIPES
731.10 FOR PRECAST DROP INLET
732.00 FOR FLARED END SECTION

Jonathan W. Peitz
2024.08.09 10:40:16 -05'00'
STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER
JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	81

COUNTY
CHRISTIAN
JOB NO.
J8S0736F
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

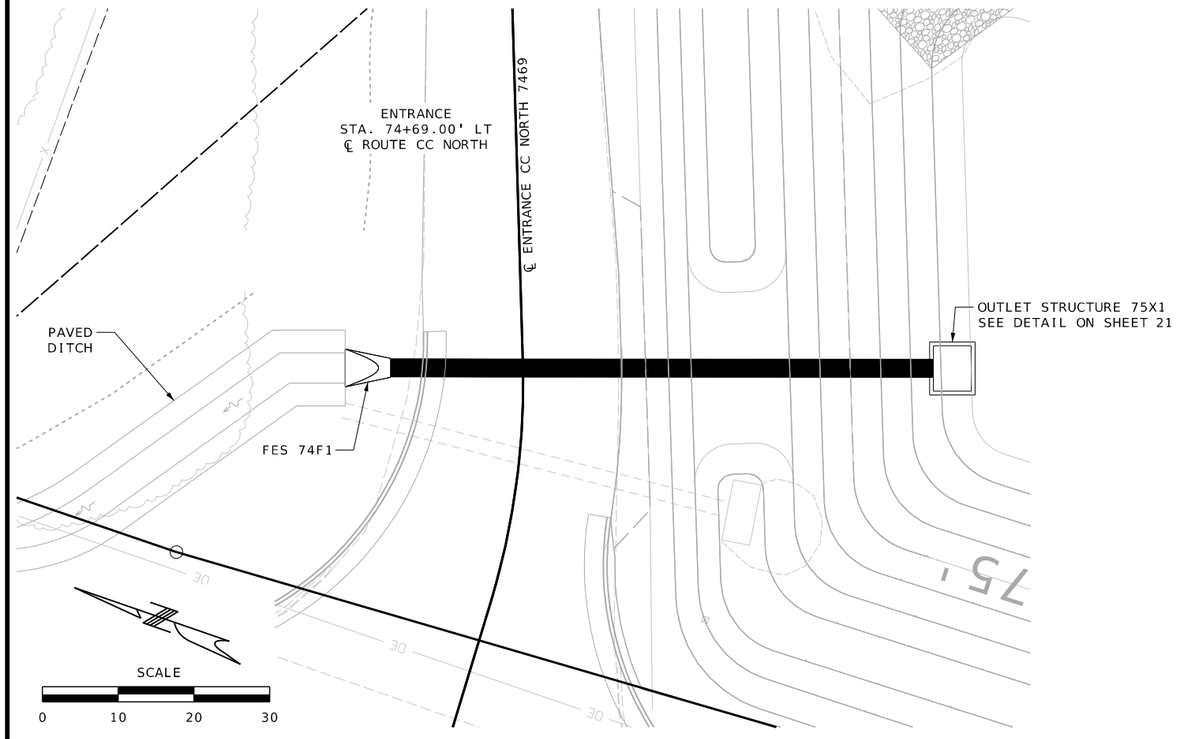
DATE	DESCRIPTION

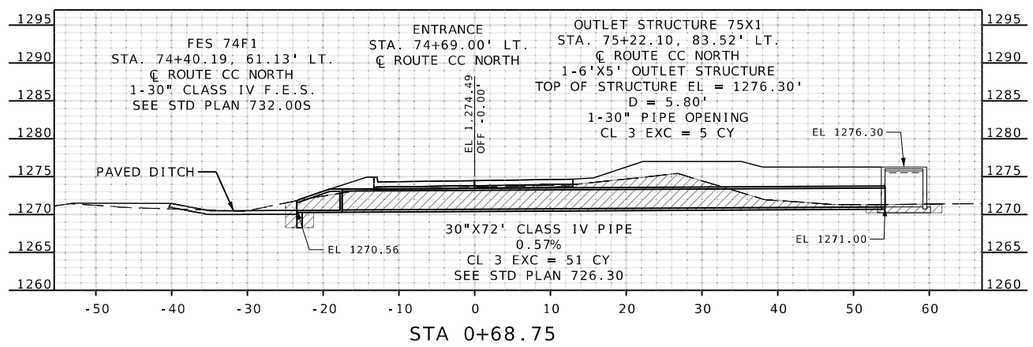
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

CULVERT SECTION SHEET
SHEET 2 OF 13





STA 0+68.75

NOTE:
SEE STANDARD PLANS
609.60 FOR ROCK DITCH LINER
609.70 FOR ROCK LINING FOR CULVERT OUTLET
614.10 FOR GRATES AND BEARING PLATES
614.11 FOR CURVED VANE GRATE AND FRAME
614.30 FOR MANHOLE AND FRAME COVERS
725.00 FOR CORRUGATED METAL PIPE INSTALLATION METHODS
726.30 FOR RIGID INSTALLATION METHODS - ALL PIPES
731.10 FOR PRECAST DROP INLET
732.00 FOR FLARED END SECTION

Jonathan Peitz
2024.08.09 20:23:43 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	82

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

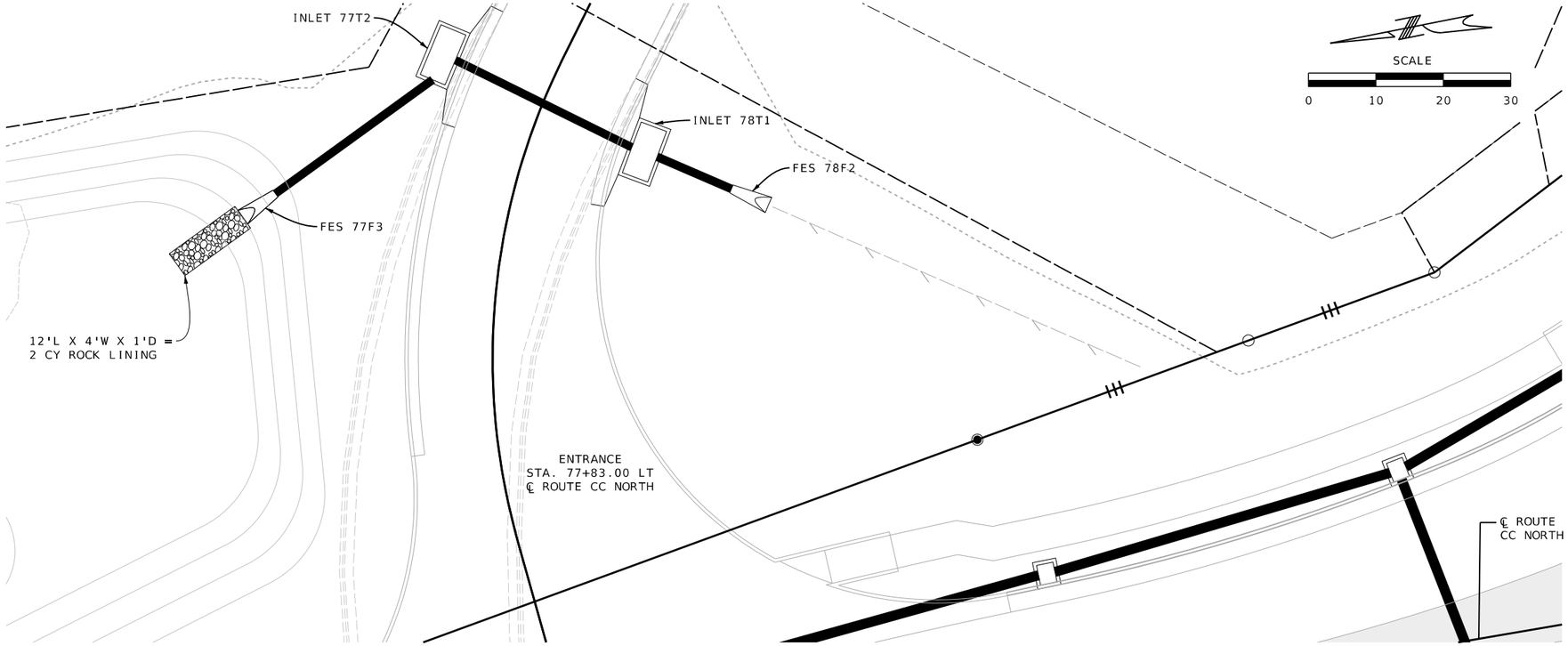
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

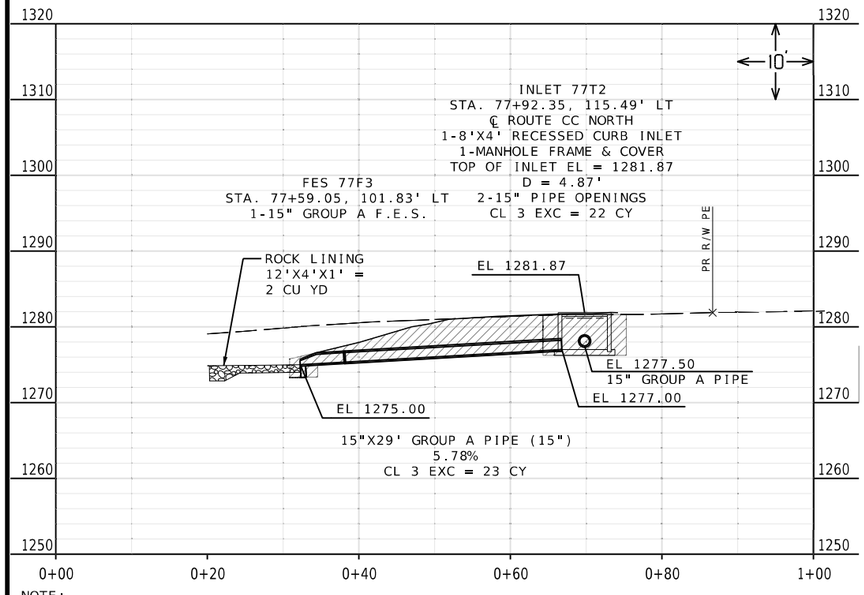
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

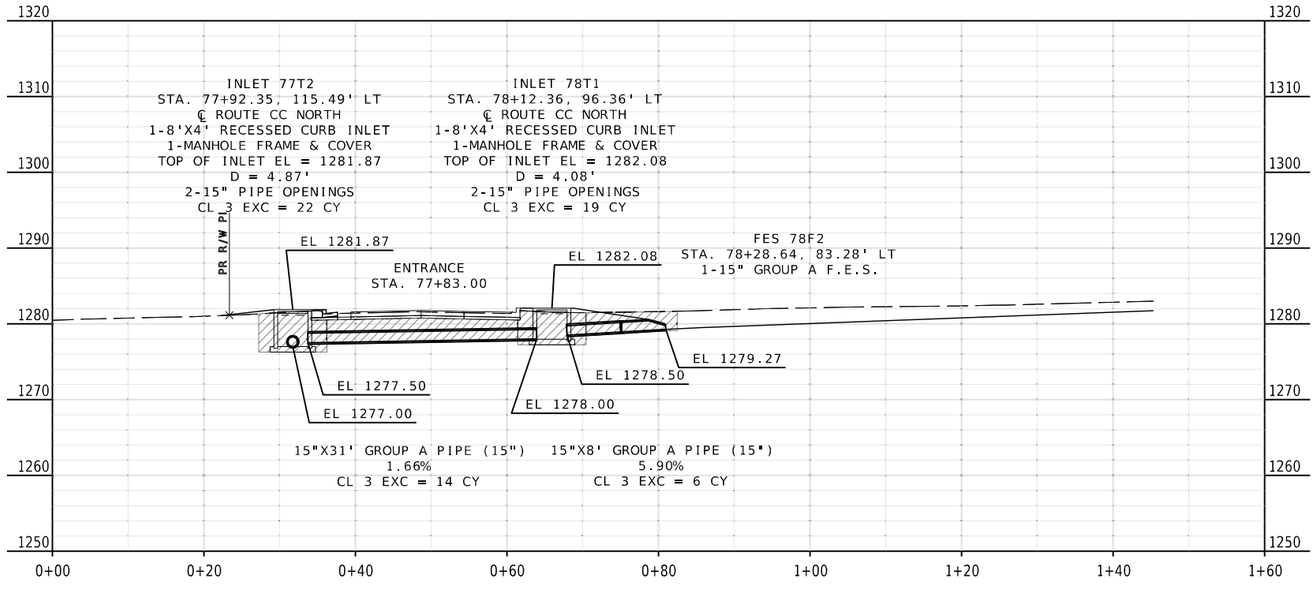
olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

CULVERT SECTION SHEET
SHEET 3 OF 13

F:\2022\01501-02000\022-01597\40-Design\Microstation\J8S0736F\plan_sheets\15 Culvert Sections\082_CS_03_J8S0736F_l10.dgn 4:39:34 PM 8/9/2024







NOTE:
SEE STANDARD PLANS
609.60 FOR ROCK DITCH LINER
609.70 FOR ROCK LINING FOR CULVERT OUTLET
614.10 FOR GRATES AND BEARING PLATES
614.11 FOR CURVED VANE GRATE AND FRAME
614.30 FOR MANHOLE AND FRAME COVERS
725.00 FOR CORRUGATED METAL PIPE INSTALLATION METHODS
726.30 FOR RIGID INSTALLATION METHODS - ALL PIPES
731.10 FOR PRECAST DROP INLET
732.00 FOR FLARED END SECTION

CULVERT SECTION SHEET
SHEET 4 OF 13

Jonathan W. Peitz
2024.08.09 14:15:50 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	83

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

CONTRACT ID.

PROJECT NO.

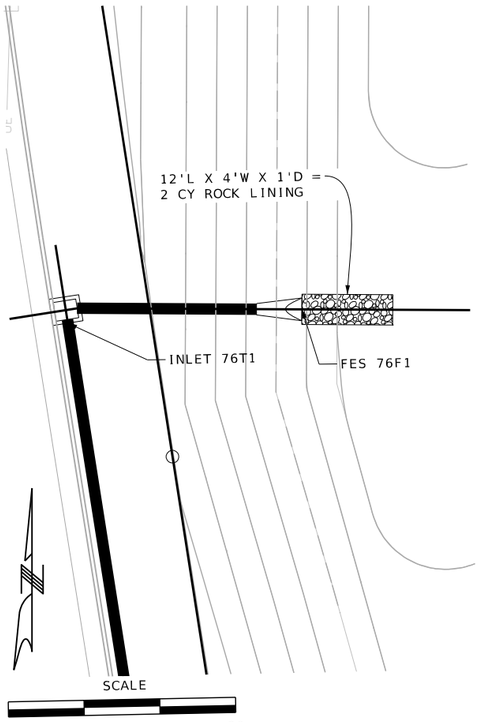
BRIDGE NO.

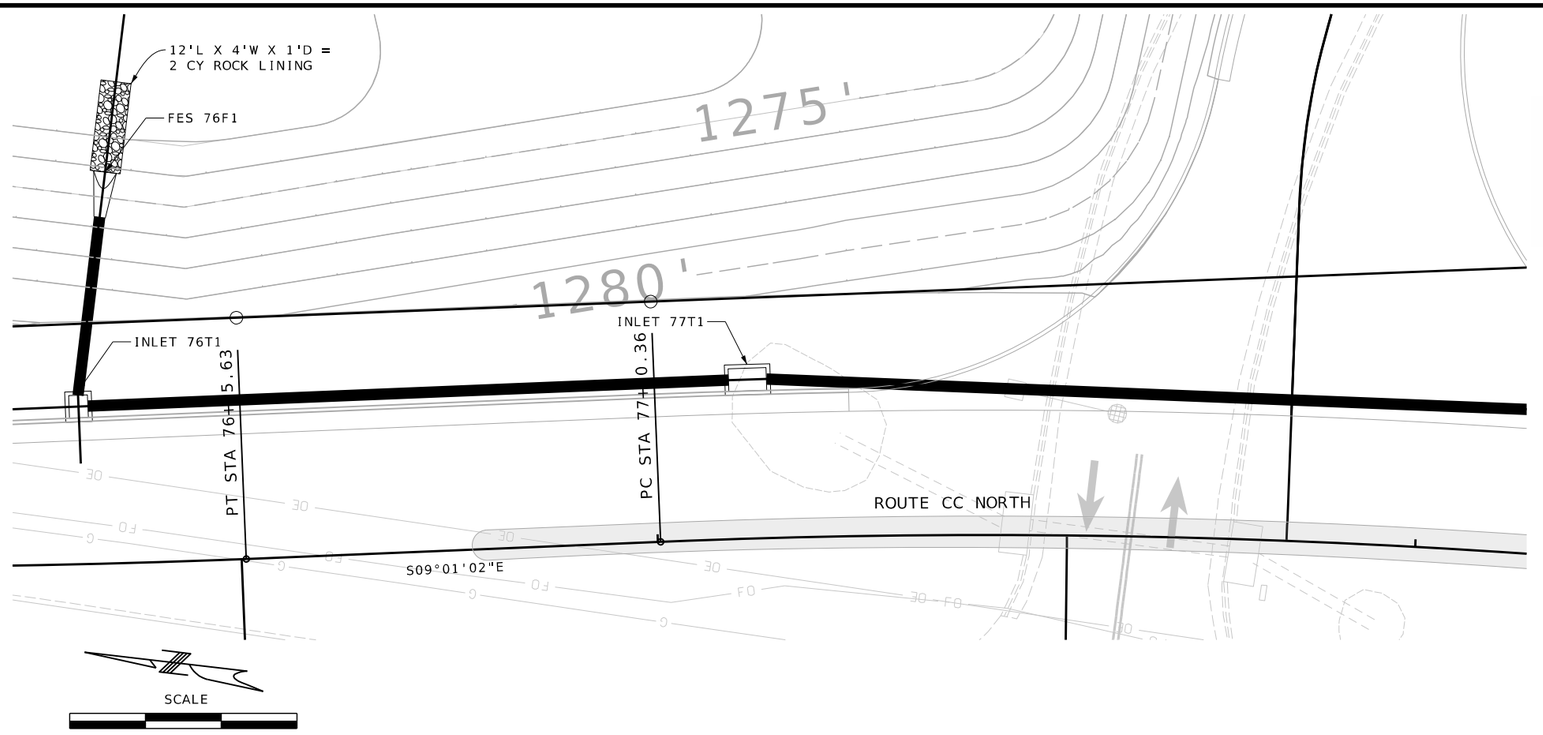
DATE	DESCRIPTION

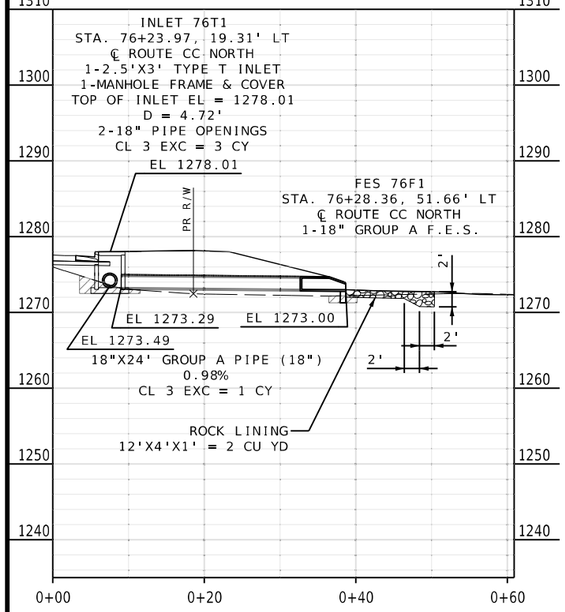
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

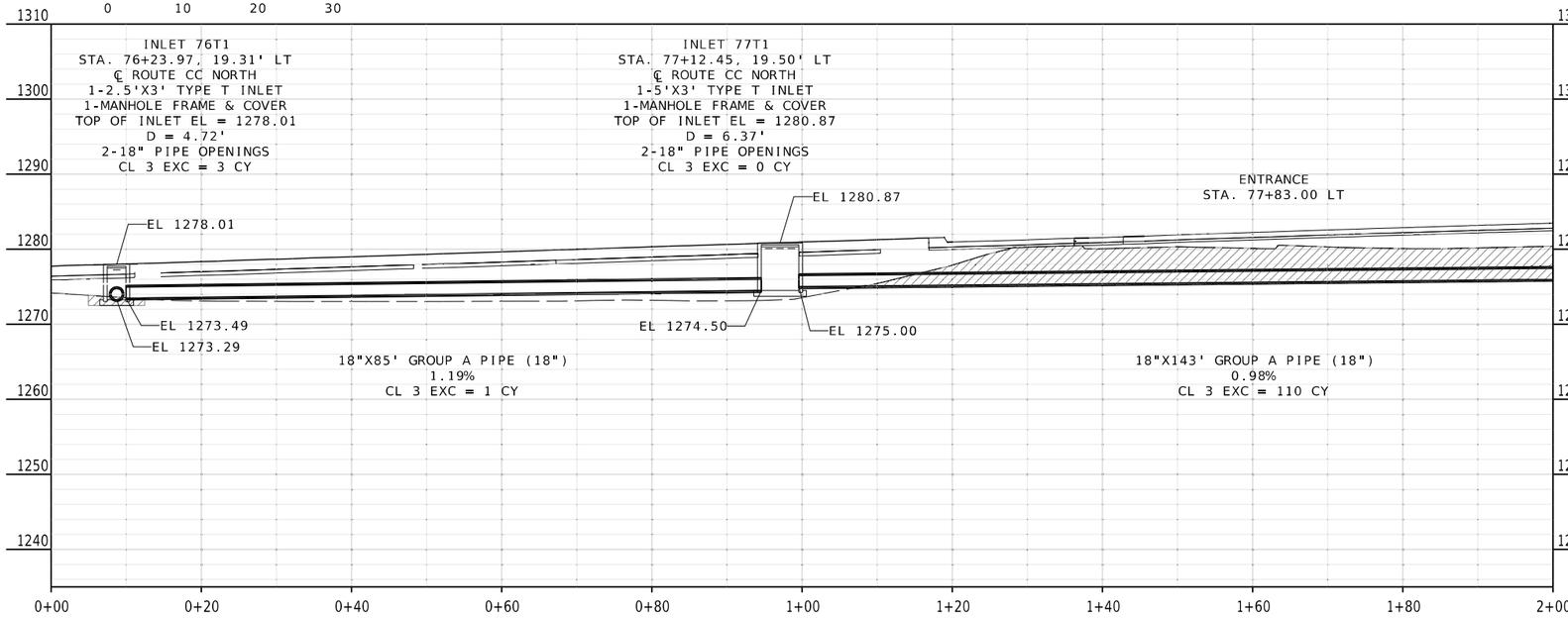
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592









NOTE:
SEE STANDARD PLANS
609.60 FOR ROCK DITCH LINER
609.70 FOR ROCK LINING FOR CULVERT OUTLET
614.10 FOR GRATES AND BEARING PLATES
614.11 FOR CURVED VANE GRATE AND FRAME
614.30 FOR MANHOLE AND FRAME COVERS
725.00 FOR CORRUGATED METAL PIPE INSTALLATION METHODS
726.30 FOR RIGID INSTALLATION METHODS - ALL PIPES
731.10 FOR PRECAST DROP INLET
732.00 FOR FLARED END SECTION

Jonathan Peitz
2024.08.09 08:17:14 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	84

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

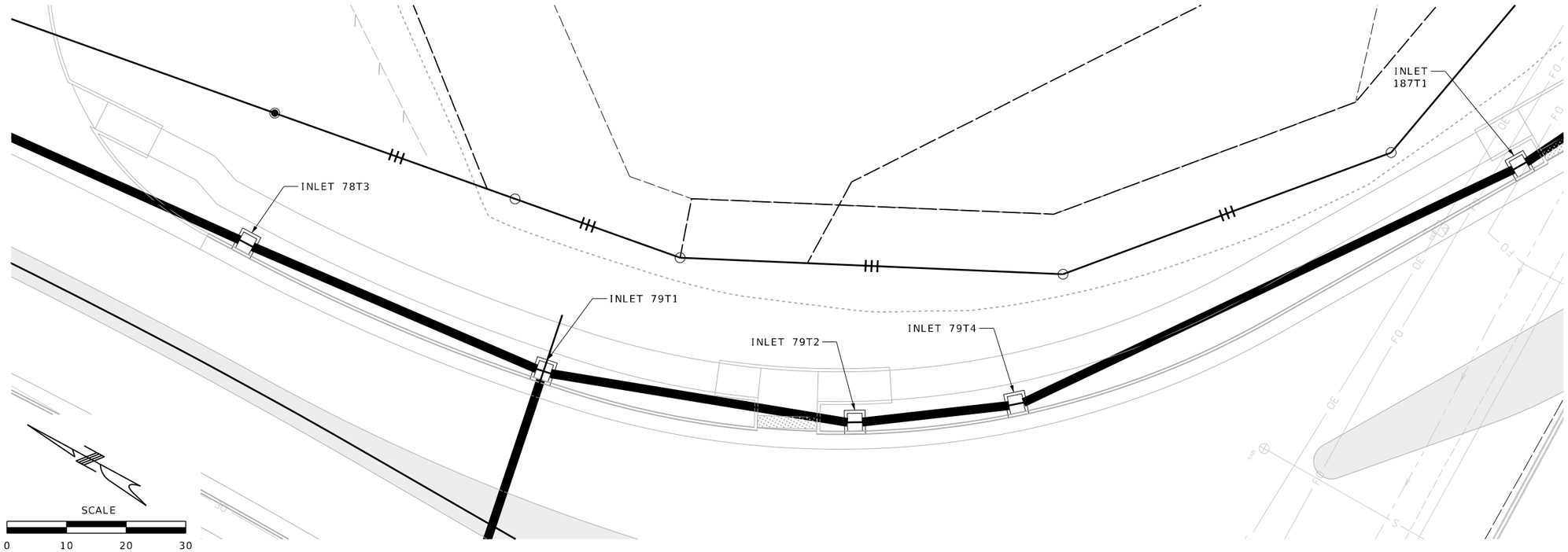
DESCRIPTION	DATE

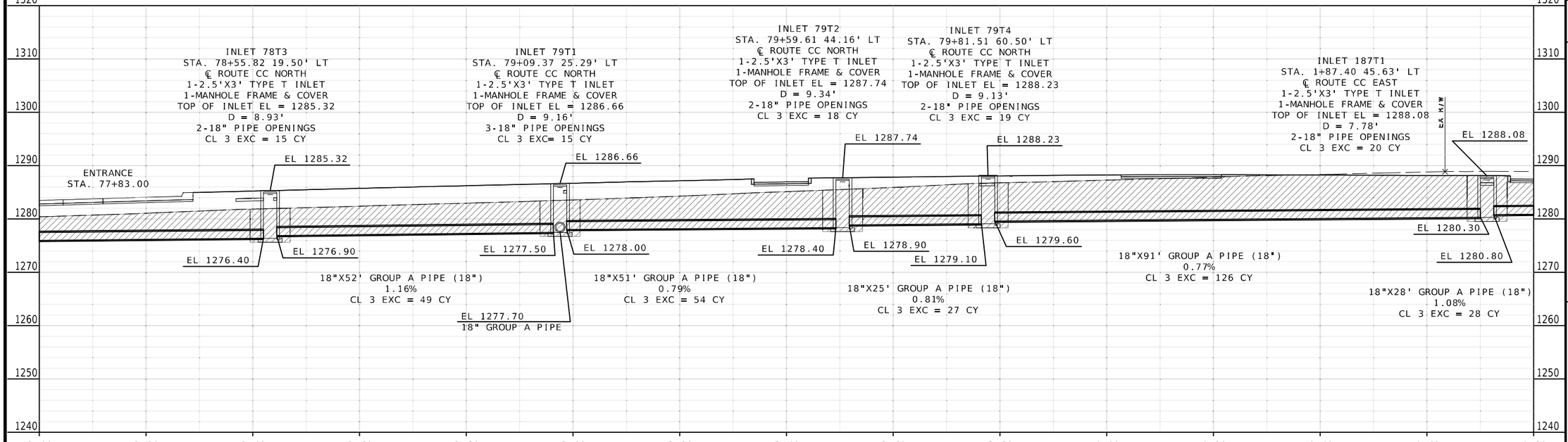
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

CULVERT SECTION SHEET
SHEET 5 OF 13





NOTE:
SEE STANDARD PLANS
609.60 FOR ROCK DITCH LINER
609.70 FOR ROCK LINING FOR CULVERT OUTLET
614.10 FOR GRATES AND BEARING PLATES
614.11 FOR CURVED VANE GRATE AND FRAME
614.30 FOR MANHOLE AND FRAME COVERS
725.00 FOR CORRUGATED METAL PIPE INSTALLATION METHODS
726.30 FOR RIGID INSTALLATION METHODS - ALL PIPES
731.10 FOR PRECAST DROP INLET
732.00 FOR FLARED END SECTION

CULVERT SECTION SHEET
SHEET 6 OF 13

Jonathan Peitz
2024.08.09 09:37:19-05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	85

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

CONTRACT ID.

PROJECT NO.

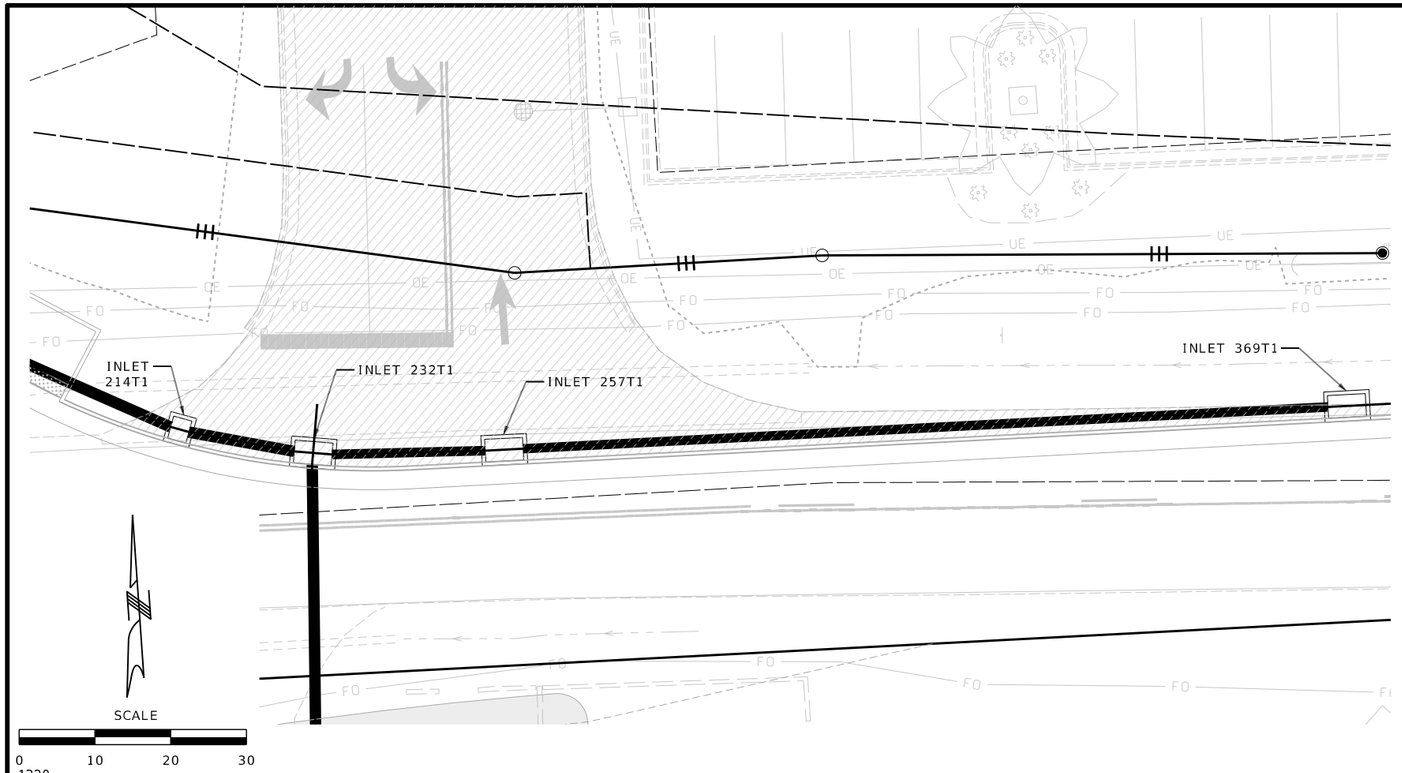
BRIDGE NO.

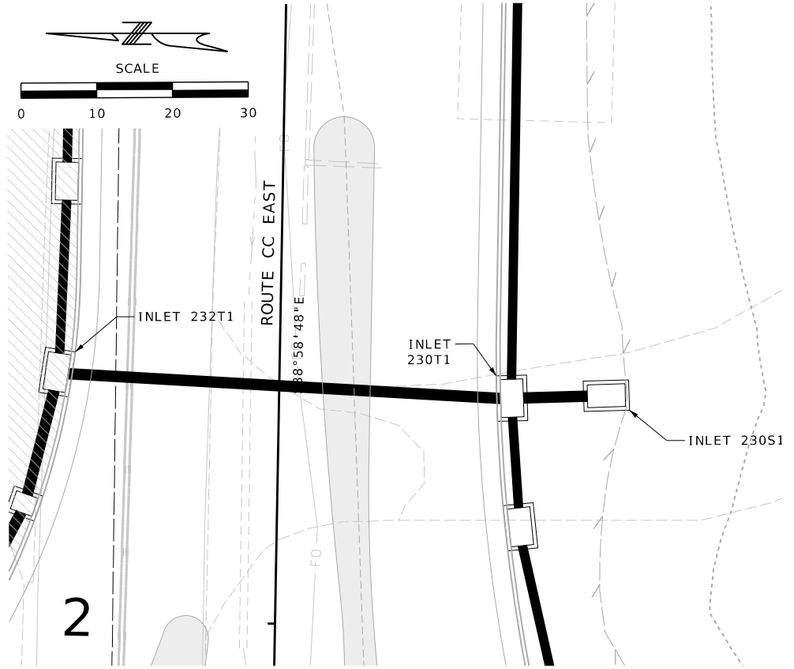
DESCRIPTION	DATE

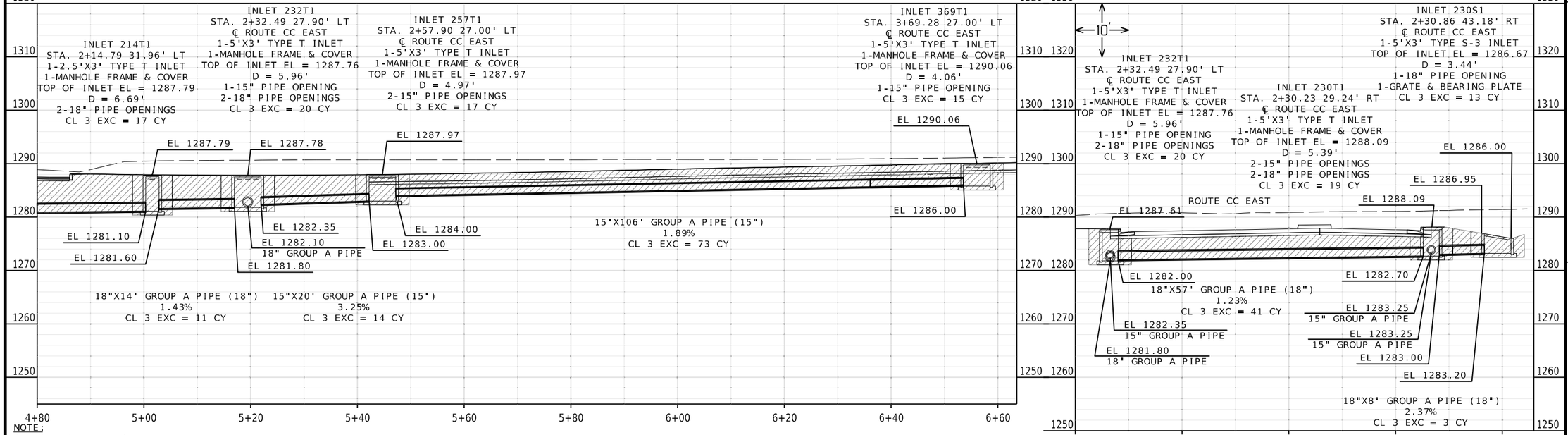
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592







NOTE:
SEE STANDARD PLANS
609.60 FOR ROCK DITCH LINER
609.70 FOR ROCK LINING FOR CULVERT OUTLET
614.10 FOR GRATES AND BEARING PLATES
614.11 FOR CURVED VANE GRATE AND FRAME
614.30 FOR MANHOLE AND FRAME COVERS
725.00 FOR CORRUGATED METAL PIPE INSTALLATION METHODS
726.30 FOR RIGID INSTALLATION METHODS - ALL PIPES
731.10 FOR PRECAST DROP INLET
732.00 FOR FLARED END SECTION

CULVERT SECTION SHEET
SHEET 7 OF 13

Jonathan W. Peitz
2024.08.09 14:14:58 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	86

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

CONTRACT ID.

PROJECT NO.

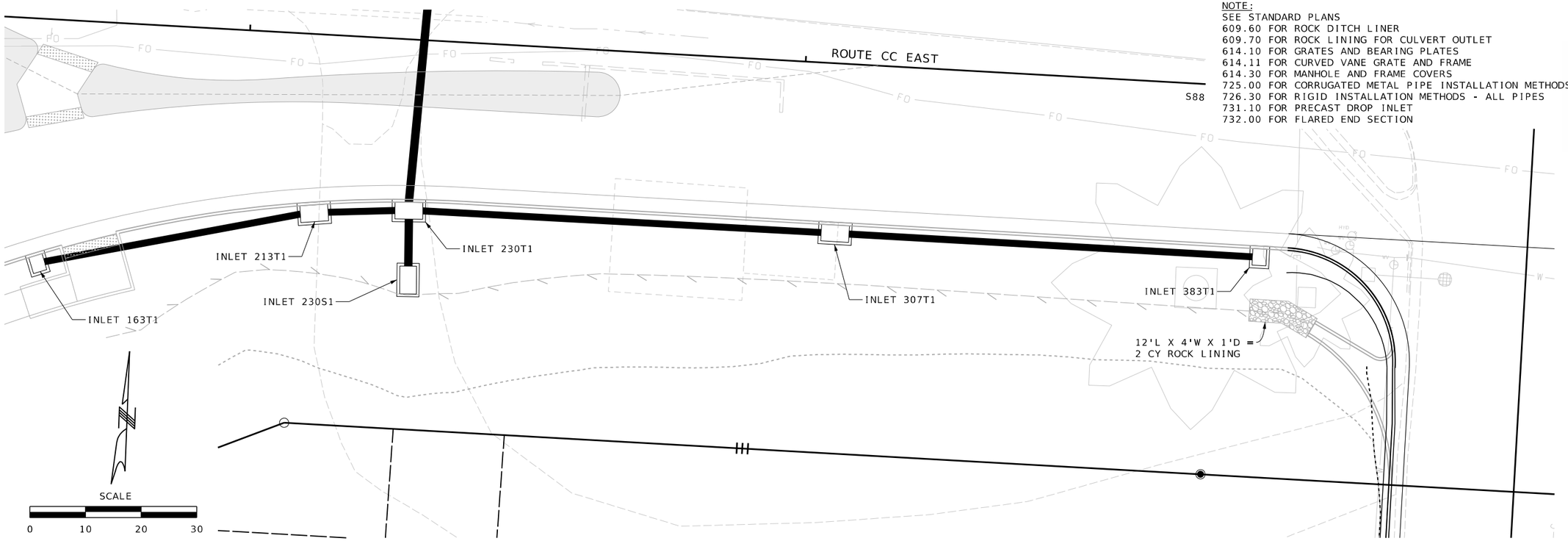
BRIDGE NO.

DATE	DESCRIPTION

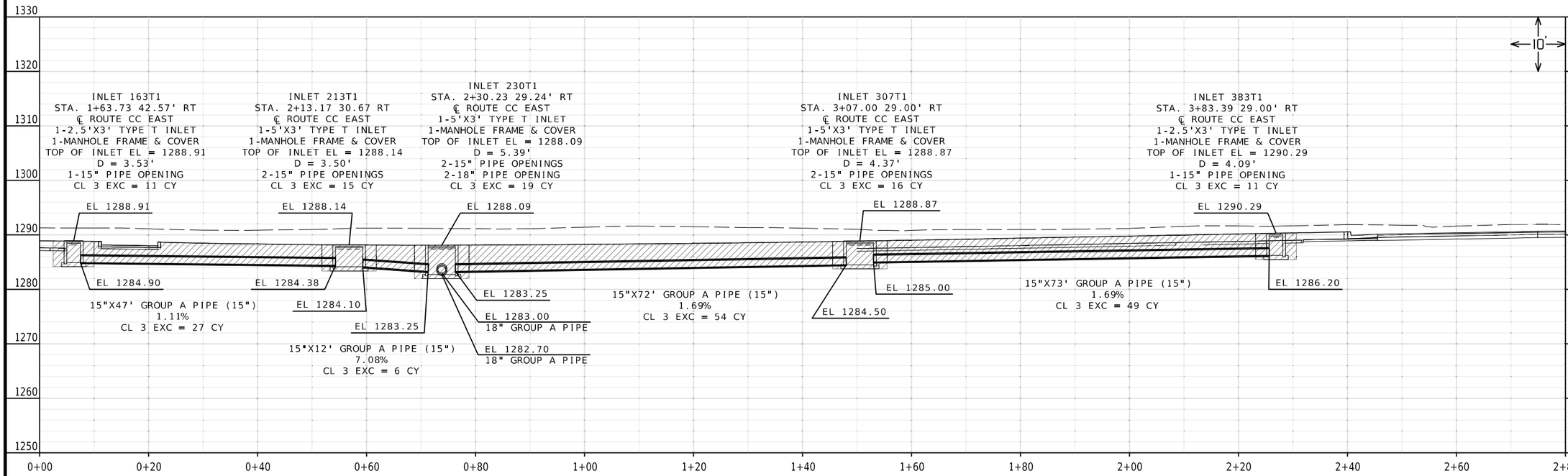
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592



NOTE:
SEE STANDARD PLANS
609.60 FOR ROCK DITCH LINER
609.70 FOR ROCK LINING FOR CULVERT OUTLET
614.10 FOR GRATES AND BEARING PLATES
614.11 FOR CURVED VANE GRATE AND FRAME
614.30 FOR MANHOLE AND FRAME COVERS
725.00 FOR CORRUGATED METAL PIPE INSTALLATION METHODS
726.30 FOR RIGID INSTALLATION METHODS - ALL PIPES
731.10 FOR PRECAST DROP INLET
732.00 FOR FLARED END SECTION



CULVERT SECTION SHEET
SHEET 8 OF 13

Jonathan Peitz
2024.08.09 12:37:10 -05'00'
STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER
JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	87

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

CONTRACT ID.

PROJECT NO.

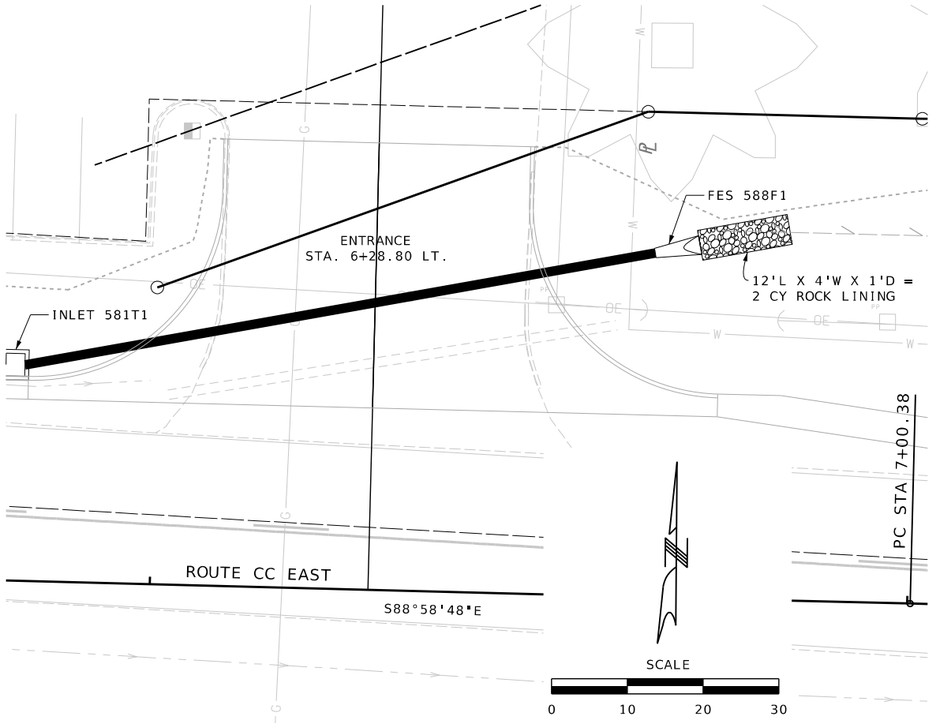
BRIDGE NO.

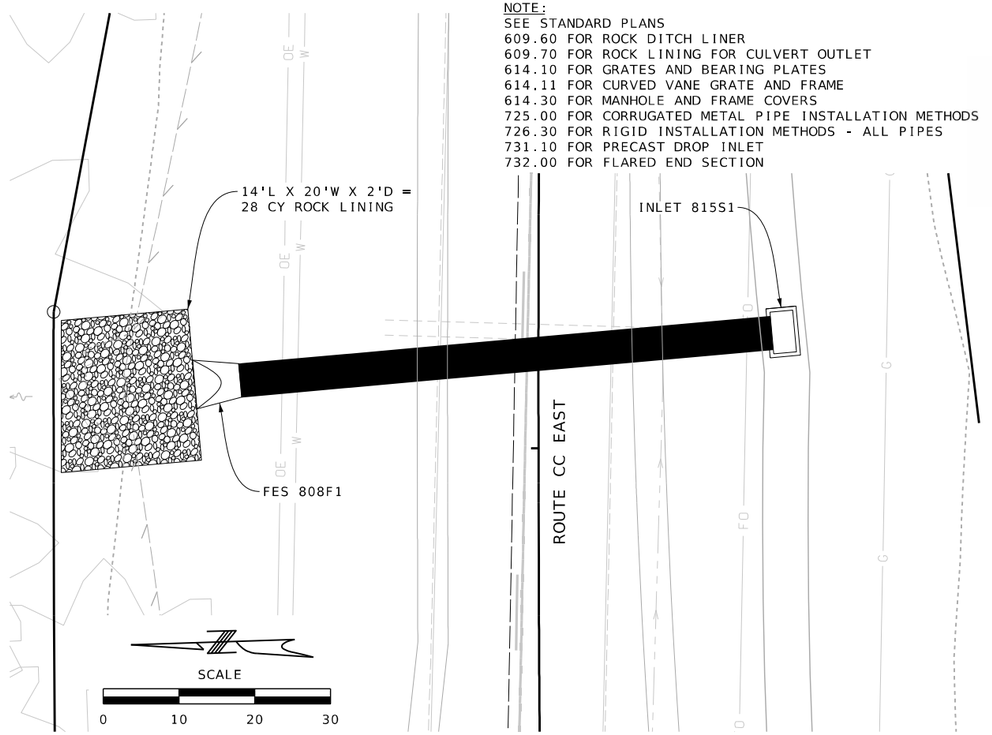
DESCRIPTION	DATE

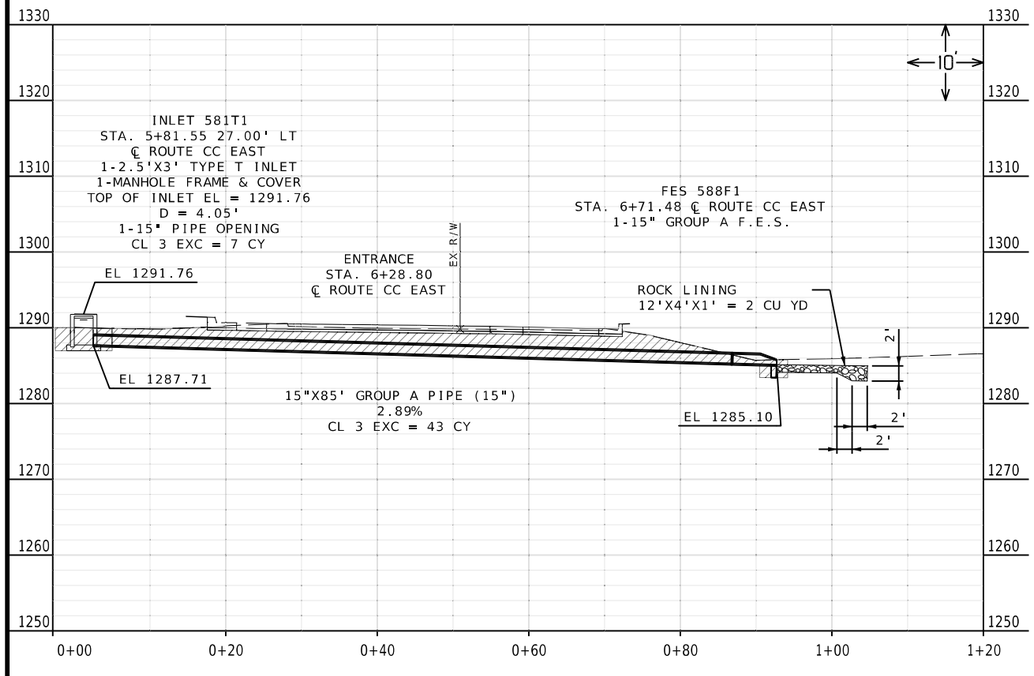
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

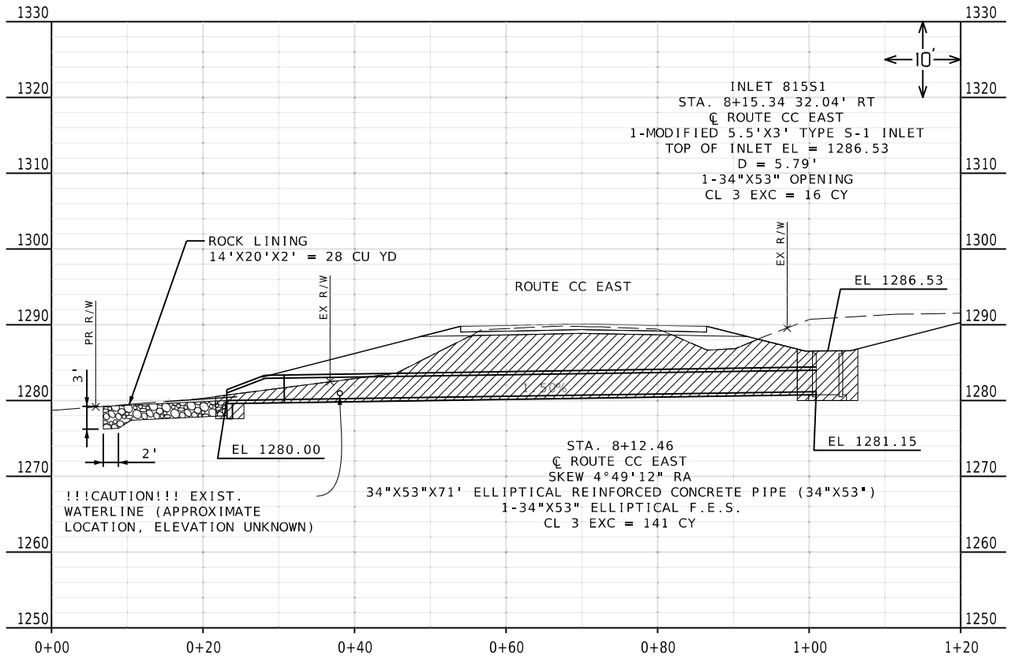
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592









Jonathan Peitz
2024.08.09 08:37:36 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	88

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

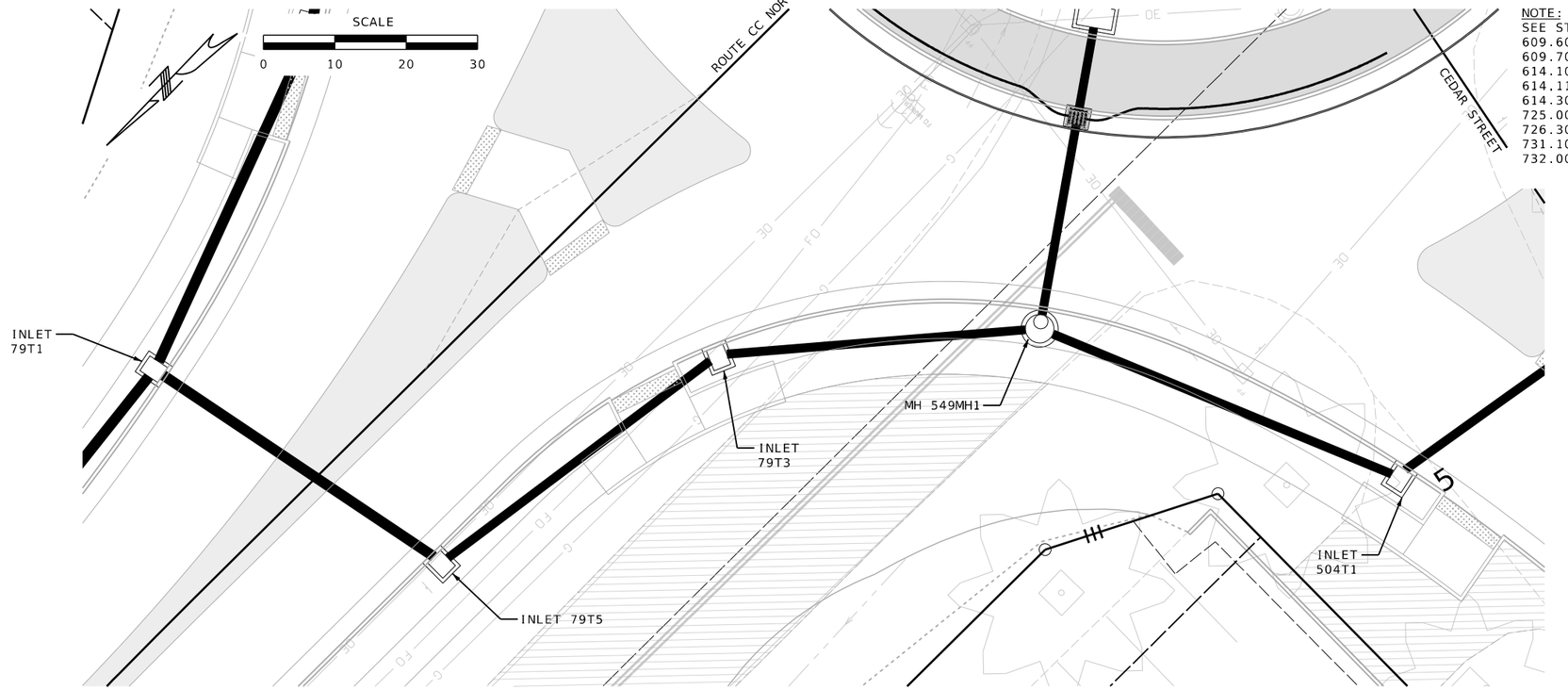
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

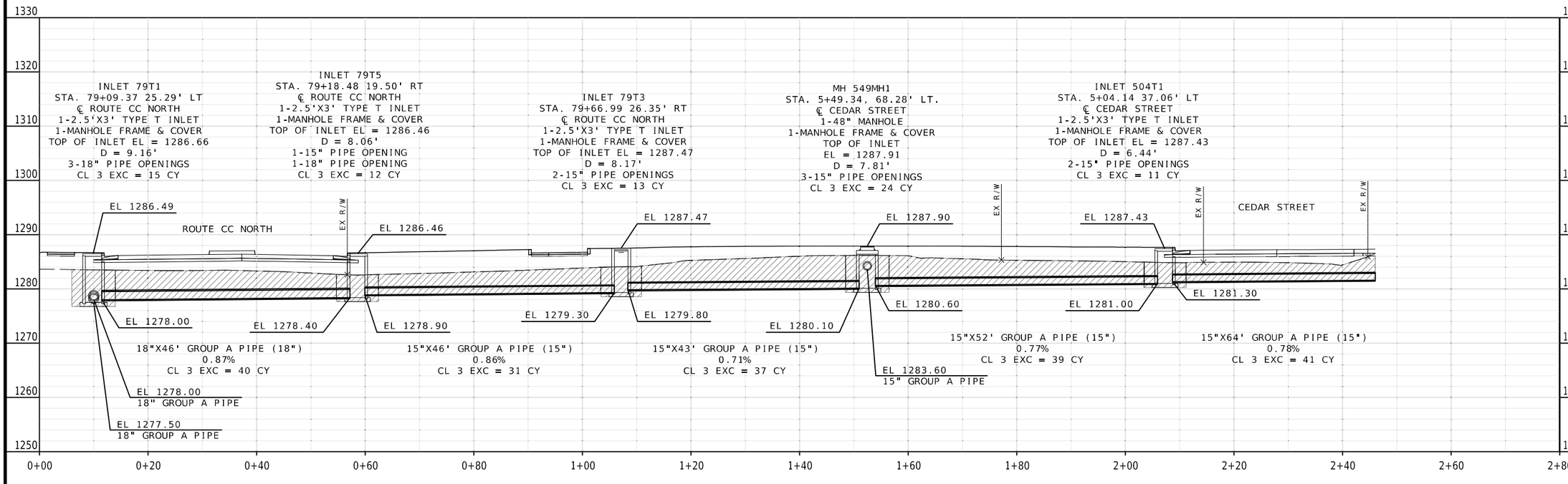
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

CULVERT SECTION SHEET
SHEET 9 OF 13



NOTE:
SEE STANDARD PLANS
609.60 FOR ROCK DITCH LINER
609.70 FOR ROCK LINING FOR CULVERT OUTLET
614.10 FOR GRATES AND BEARING PLATES
614.11 FOR CURVED VANE GRATE AND FRAME
614.30 FOR MANHOLE AND FRAME COVERS
725.00 FOR CORRUGATED METAL PIPE INSTALLATION METHODS
726.30 FOR RIGID INSTALLATION METHODS - ALL PIPES
731.10 FOR PRECAST DROP INLET
732.00 FOR FLARED END SECTION



CULVERT SECTION SHEET
SHEET 10 OF 13

Jonathan Peitz
2024.08.09 12:40:01 -05'00'
STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER
JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	89

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

CONTRACT ID.

PROJECT NO.

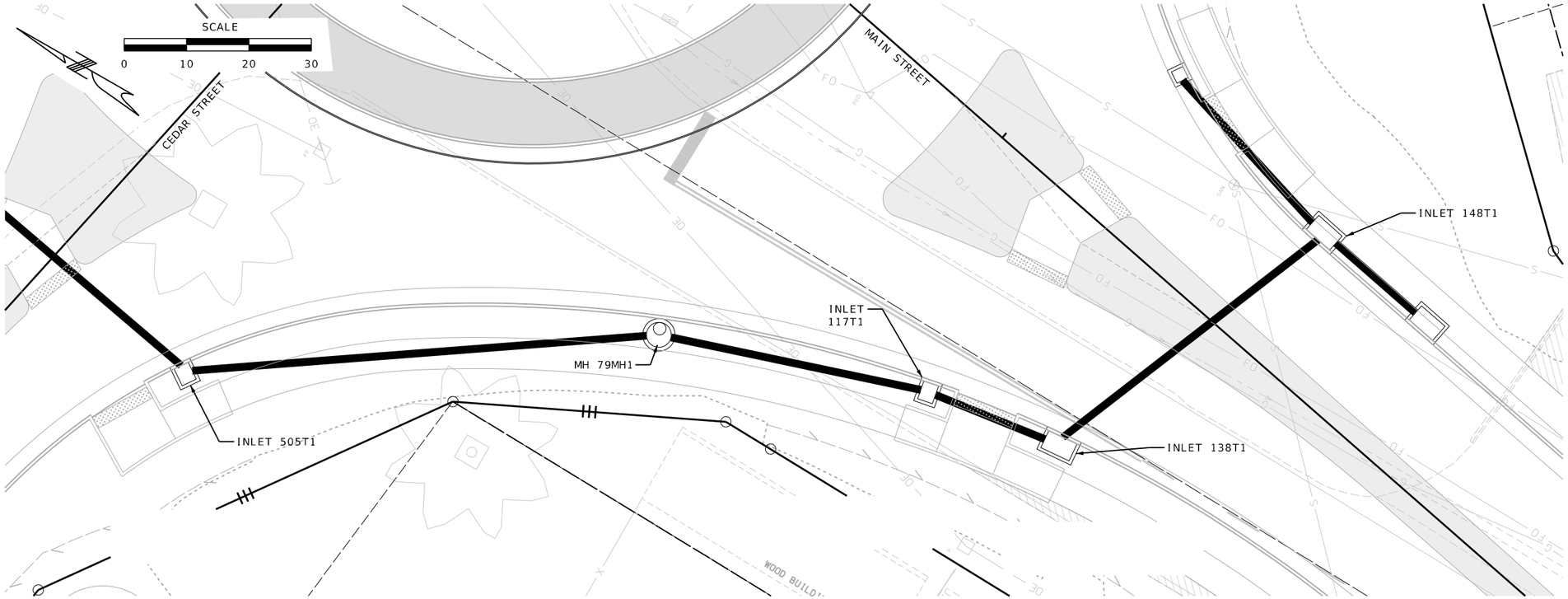
BRIDGE NO.

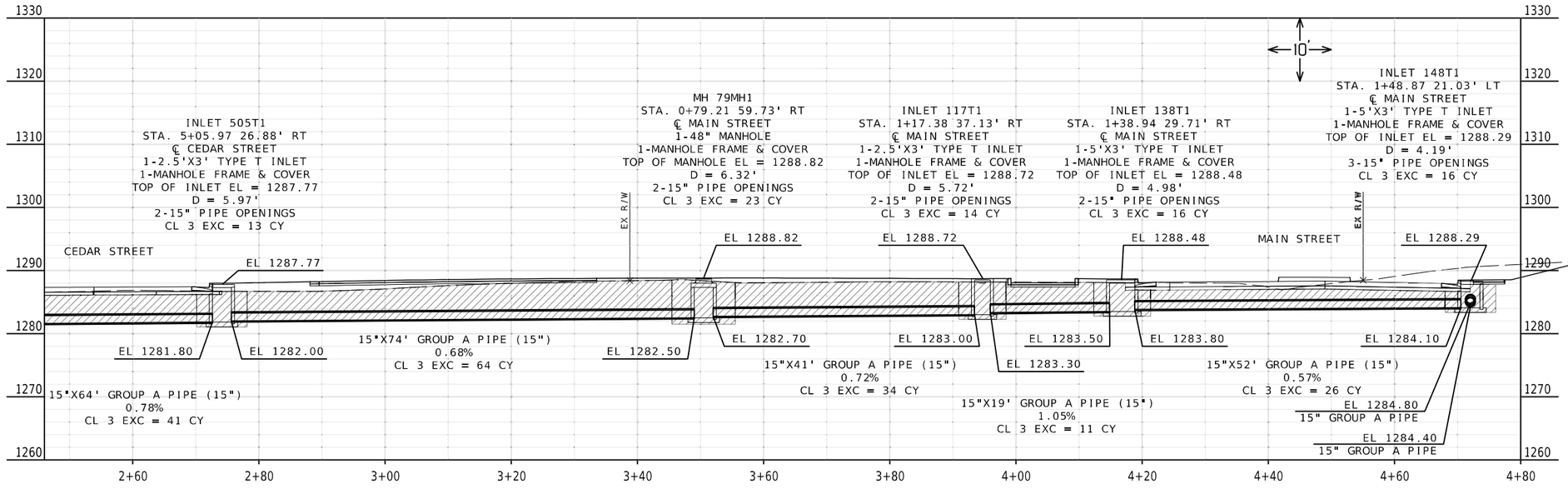
DATE	DESCRIPTION

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)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592





NOTE:
SEE STANDARD PLANS
609.60 FOR ROCK DITCH LINER
609.70 FOR ROCK LINING FOR CULVERT OUTLET
614.10 FOR GRATES AND BEARING PLATES
614.11 FOR CURVED VANE GRATE AND FRAME
614.30 FOR MANHOLE AND FRAME COVERS
725.00 FOR CORRUGATED METAL PIPE INSTALLATION METHODS
726.30 FOR RIGID INSTALLATION METHODS - ALL PIPES
731.10 FOR PRECAST DROP INLET
732.00 FOR FLARED END SECTION

CULVERT SECTION SHEET
SHEET 11 OF 13

Jonathan Peitz
2024.08.09 20:53:43 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	90

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

CONTRACT ID.

PROJECT NO.

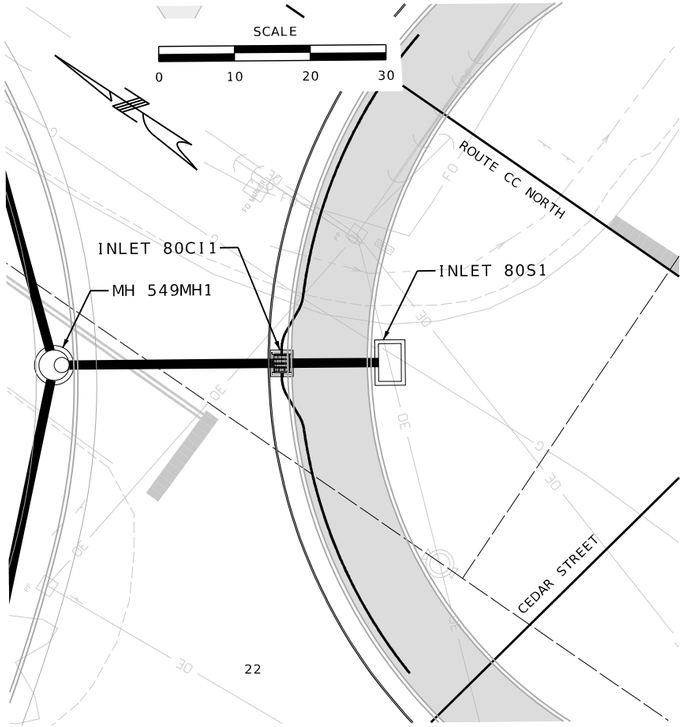
BRIDGE NO.

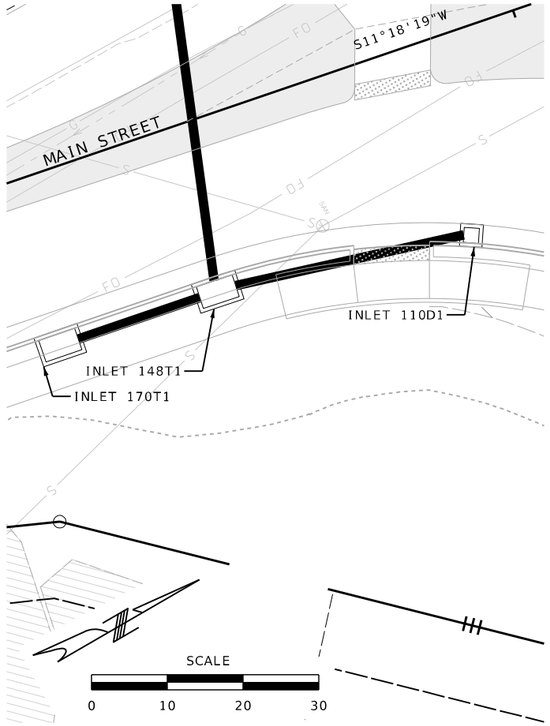
DATE	DESCRIPTION

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

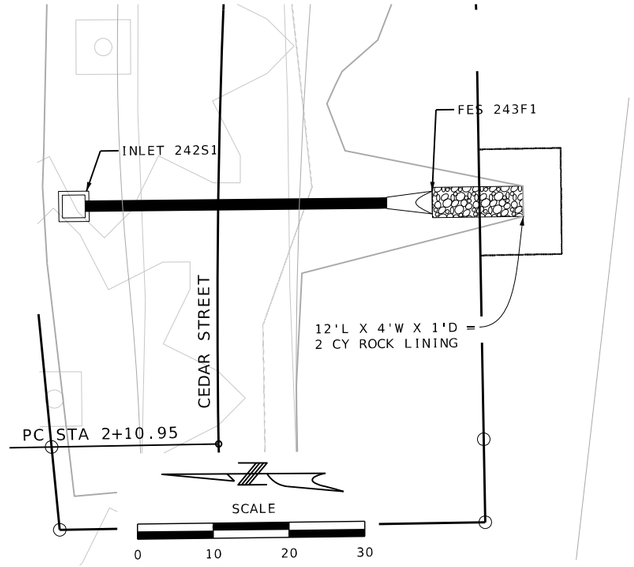
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

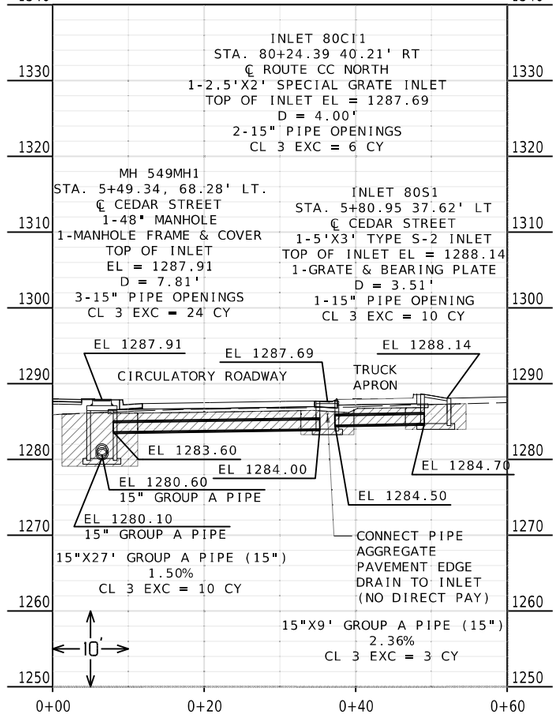
olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

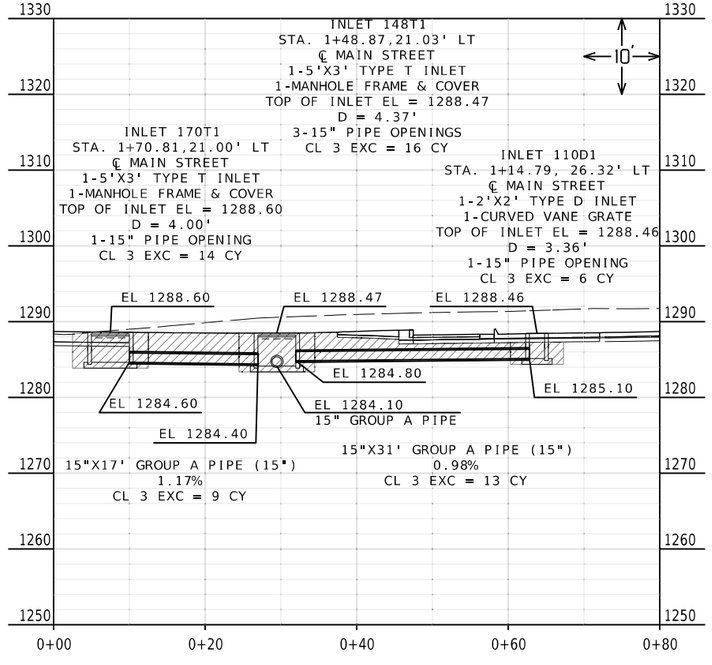


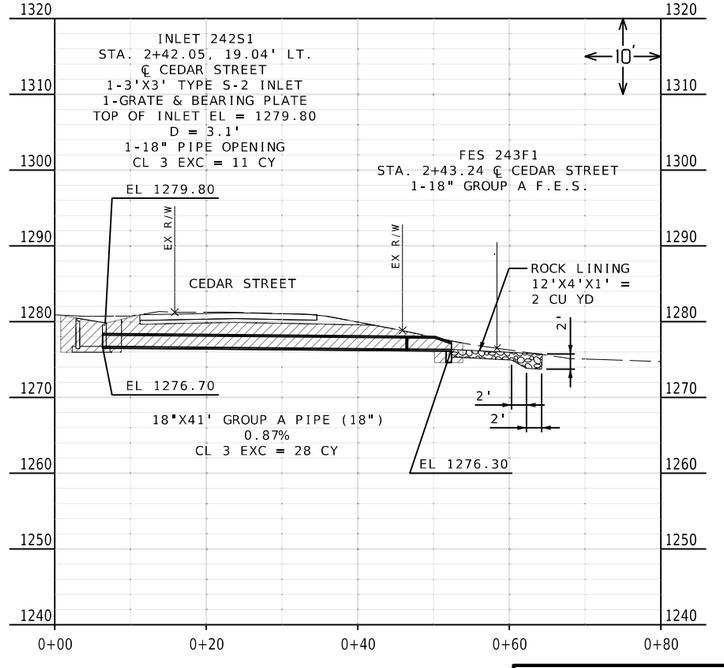


NOTE:
SEE STANDARD PLANS
609.60 FOR ROCK DITCH LINER
609.70 FOR ROCK LINING FOR CULVERT OUTLET
614.10 FOR GRATES AND BEARING PLATES
614.11 FOR CURVED VANE GRATE AND FRAME
614.30 FOR MANHOLE AND FRAME COVERS
725.00 FOR CORRUGATED METAL PIPE INSTALLATION METHODS
726.30 FOR RIGID INSTALLATION METHODS - ALL PIPES
731.10 FOR PRECAST DROP INLET
732.00 FOR FLARED END SECTION









CULVERT SECTION SHEET
SHEET 12 OF 13

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

JONATHAN W. PEITZ - CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	91

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

CONTRACT ID.

PROJECT NO.

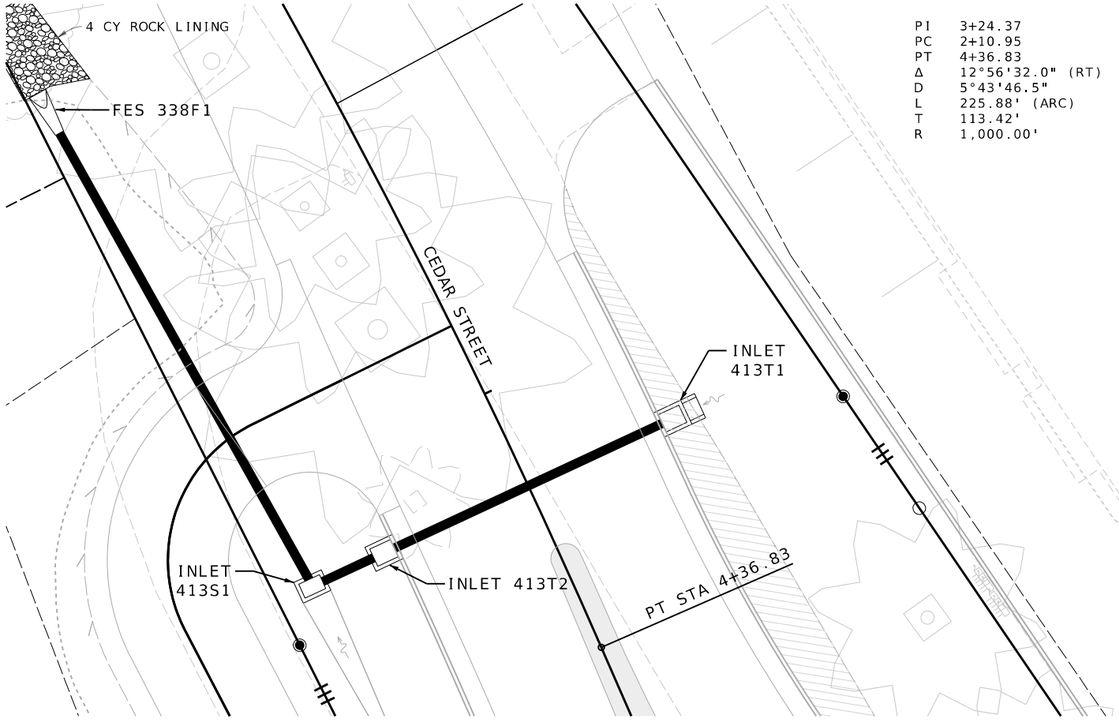
BRIDGE NO.

DESCRIPTION	DATE

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

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

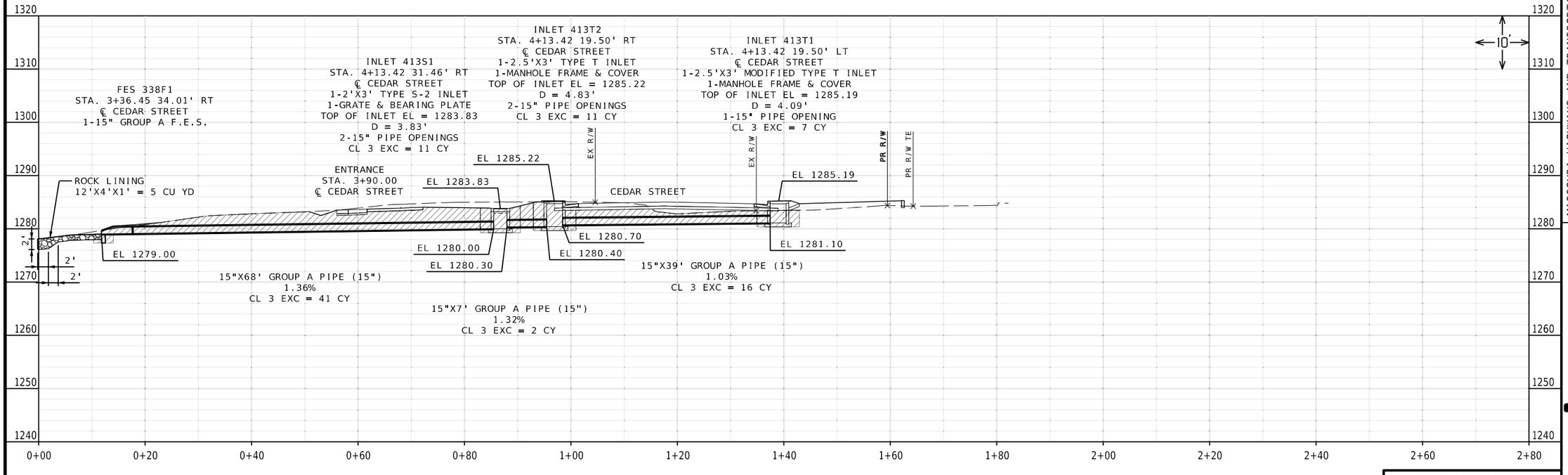
F:\2022\01501-02000\022-01597\40-Design\Microstation\J8S0736F\plan_sheets\15 Culvert Sections\091_CS_12_J8S0736F_I10.dgn 4:40:55 PM 8/9/2024



PI 3+24.37
PC 2+10.95
PT 4+36.83
Δ 12°56'32.0" (RT)
D 5°43'46.5"
L 225.88' (ARC)
T 113.42'
R 1,000.00'

SCALE
0 10 20 30

NOTE:
SEE STANDARD PLANS
609.60 FOR ROCK DITCH LINER
609.70 FOR ROCK LINING FOR CULVERT OUTLET
614.10 FOR GRATES AND BEARING PLATES
614.11 FOR CURVED VANE GRATE AND FRAME
614.30 FOR MANHOLE AND FRAME COVERS
725.00 FOR CORRUGATED METAL PIPE INSTALLATION METHODS
726.30 FOR RIGID INSTALLATION METHODS - ALL PIPES
731.10 FOR PRECAST DROP INLET
732.00 FOR FLARED END SECTION



CULVERT SECTION SHEET
SHEET 13 OF 13

Jonathan Peitz
2024.08.09 09:37:31 -05'00'
STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER
JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

DATE PREPARED
8/9/2024

ROUTE	STATE
CC	MO
DISTRICT	SHEET NO.
SW	92

COUNTY
CHRISTIAN

JOB NO.
J8S0736F

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

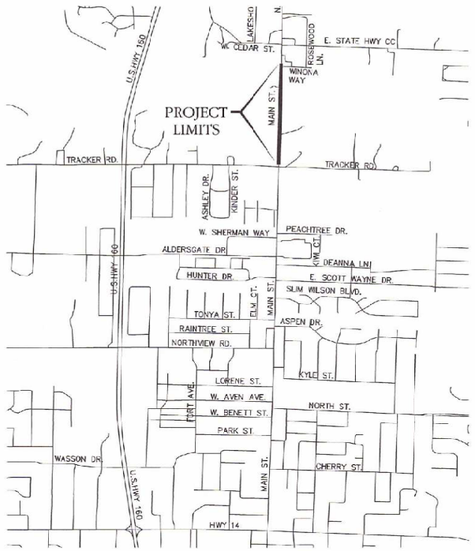
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
CERTIFICATE OF
AUTHORITY NO. 001592

MAIN ST. IMPROVEMENTS
FROM TRACKER RD. TO HWY CC

CITY OF NIXA
CITY OF NIXA, CHRISTIAN COUNTY, MISSOURI

Federal Project Number: STBG-9901(831)
MoDot Job. No.: JSU0216



LOCATION MAP
NW 1/4, SE 1/4, SECTION 11, TOWNSHIP 27 NORTH, RANGE 22 WEST
NTS

NORTH

T.B.M. #1:

TBM NO. 1 - POINT NO. 7894, ⅝" IRON PIN REBAR W/PLASTIC CAP STAMPED CONTROL POINT. ELEV.: 1276.45

TBM NO. 2 - POINT NO. 7882, ⅝" IRON PIN REBAR W/PLASTIC CAP STAMPED CONTROL POINT. ELEV.: 1272.63

TBM NO. 3 - POINT NO. 7881, ⅝" IRON PIN REBAR W/PLASTIC CAP STAMPED CONTROL POINT. ELEV.: 1272.81

LEGEND:

- ● = EXISTING IRON PIN FOUND (EXCEPT AS NOTED)
- ○ = 5/8" IRON PIN SET, CAPPED "LC 383" (EXCEPT AS NOTED)
- ■ = EXISTING PERMANENT MON. FOUND (EXCEPT AS NOTED)
- □ = PERMANENT MON. SET (5/8" x 24" REBAR W/ ALUM. CAP)
- (M) = MEASURED DATA
- (P) = PLATTED DATA
- (D) = DEEDED DATA
- F.E.S. = FLARED END SECTION
- HDPE = HIGH DENSITY POLYETHYLENE
- CONC. = CONCRETE
- R/W = RIGHT-OF-WAY
- = LIGHT POLE
- FL. = FLOWLINE
- = SEWER MANHOLE
- = MAILBOX
- —UC— = UNDERGROUND COMMUNICATIONS
- © = COMMUNICATIONS MANHOLE
- EL. = ELEVATION
- N = NORTH
- S = SOUTH
- E = EAST
- W = WEST
- —— = CHAIN LINK FENCE
- —o— = WOOD FENCE
- —x— = BARBED WIRE FENCE
- —OF— = OVERHEAD ELECTRIC
- = POWER POLE
- = GUY WIRE
- —UE— = UNDERGROUND ELECTRIC
- = WATER VALVE
- —W— = WATER LINE
- —G— = GAS LINE
- = TELEPHONE RISER
- = FIRE HYDRANT
- = CURB INLET
- —SS— = SANITARY SEWER LINE
- —STM— = STORM WATER PIPING
- = CABLE RISER

CONCRETE ENTRANCE

—— R/W —— PROPOSED NEW RIGHT-OF-WAY

CAUTION

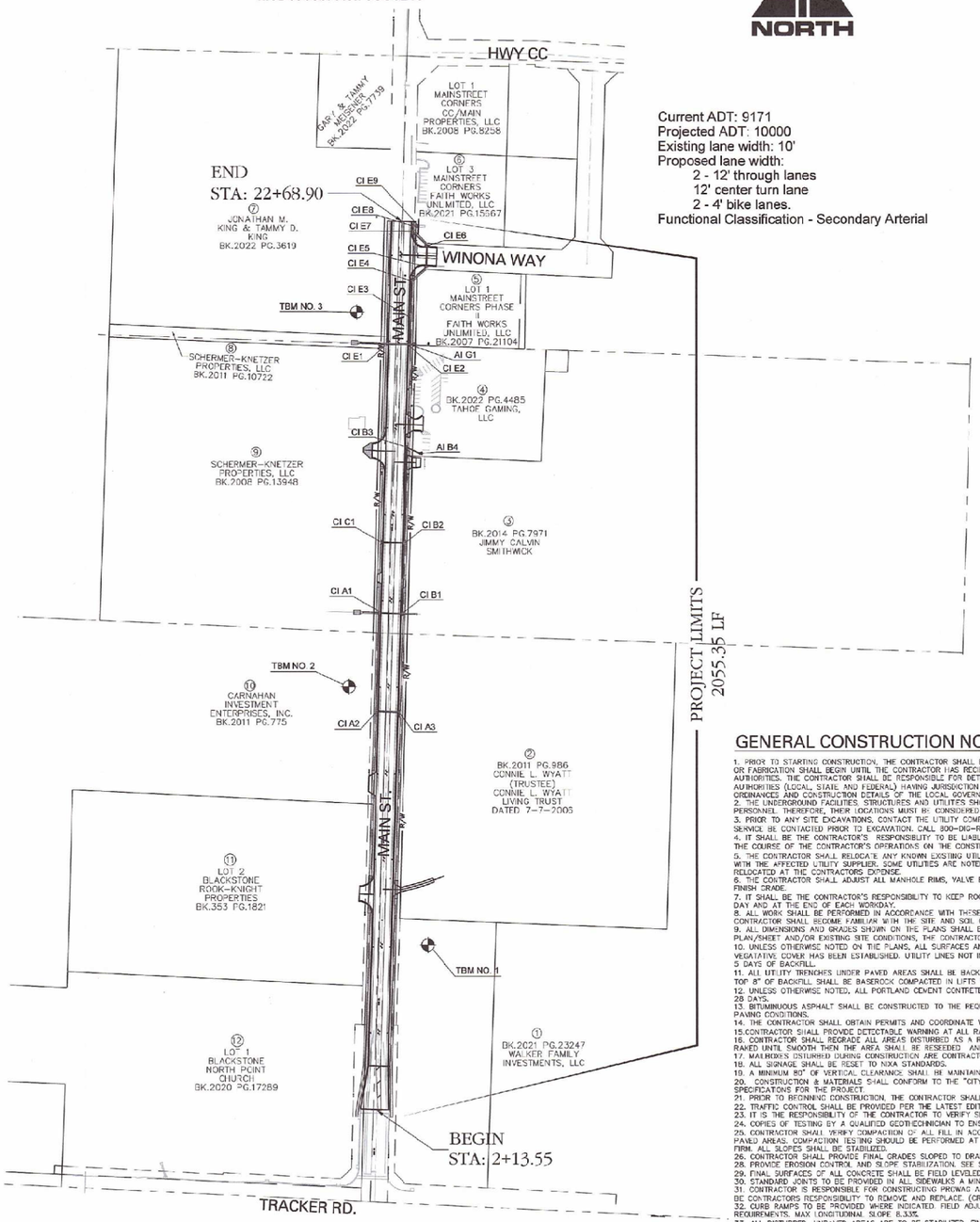
Existing underground installations such as water mains, gas mains, sewers, telephone lines, fiber optic lines, power lines and buried structures are indicated on the drawing only to the extent such information has been made available to or discovered by the surveyor in preparing this drawing. There is no guarantee as to the accuracy or completeness of such information.

SAFETY NOTICE TO CONTRACTOR

1. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
2. THE DUTY OF THE ENGINEER OR OWNER TO CONDUCT CONSTRUCTION REVIEW OF THE CONTRACTOR'S PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES IN, ON, OR NEAR THE CONSTRUCTION SITE.

TRAFFIC CONTROL

1. THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL DEVICES TO PROTECT ALL WORK ON OR NEAR EXISTING STREETS IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.)
2. THE CONTRACTOR SHALL PROVIDE A PHASING PLAN OF CONSTRUCTION TO ENSURE ACCESS TO ALL PROPERTIES DURING CONSTRUCTION.



COVER - PLAN
SCALE: 1" = 150'

Current ADT: 9171
Projected ADT: 10000
Existing lane width: 10'
Proposed lane width:
2 - 12' through lanes
12' center turn lane
2 - 4' bike lanes.
Functional Classification - Secondary Arterial

NORTH

SHEET INDEX

SHEET NO.	DESCRIPTION
COV 01	Cover Sheet
SUR 01	Topographical Survey/Existing Features
SUR 02	Topographical Survey/Existing Features
SUR 03	Topographical Survey/Existing Features
FEN 01	Fencing Replacement and Plan
FEN 02	Fencing Replacement and Plan
FEN 03	Fencing Details
ESMT 01	Main St. - Existing Easements
ESMT 02	Main St. - Existing Easements
ESMT 03	Main St. - Existing Easements
RW 01	Right of Way Plan
RW 02	Right of Way Plan
RW 03	Right of Way Plan
RW 04	Right of Way Plan
REM 01	Removals Plan
REM 02	Removals Plan
REM 03	Removals Plan
PAV 01	Main Street Plan & Profile Sta: 2+13.55 to Sta: 5+00.00
PAV 02	Main Street Plan & Profile Sta: 5+00.00 to Sta: 8+50.00
PAV 03	Main Street Plan & Profile Sta: 8+50.00 to 12+00.00
PAV 04	Main Street Plan & Profile Sta: 12+00.00 to 15+50.00
PAV 05	Main Street Plan & Profile Sta: 15+50.00 to 19+00.00
PAV 06	Main Street Plan & Profile Sta: 19+00.00 to Sta: 22+68.90
STM 01	Storm Sewer Plan & Profile Line A-B-C
STM 02	Storm Sewer Plan & Profile Line's E-F-G
STM 03	Wall Plan & Profile / Details
STM 04	Detention Basin & Details
STM 05	Storm Sewer Details
DW 01	Driveway Details
DW 02	Driveway Details
XSEC 01	Main Street Cross Sections - Sta:2+13.55 - 4+50
XSEC 02	Main Street Cross Sections - Sta:4+75 - 8+00
XSEC 03	Main Street Cross Sections - Sta:8+25 - 10+75
XSEC 04	Main Street Cross Sections - Sta:11+00 - 13+75
XSEC 05	Main Street Cross Sections - Sta:14+00 - 16+75
XSEC 06	Main Street Cross Sections - Sta:17+00 - 19+25
XSEC 07	Main Street Cross Sections - Sta:19+50 - 21+50
XSEC 08	Main Street Cross Sections - Sta:21+75 - 22+75
DET 01	Street / Paving Details
DET 02	Sidewalk Details and Notes
TCP 01	Traffic Control Plans - Overall
TCP 02	Traffic Control Plans - Phase 1
TCP 03	Traffic Control Plans - Phase 2
TCP 04	Traffic Control Plans - Phase 3
SIGN 01	Signage / Striping Plan
SIGN 02	Signage / Striping Plan
SIGN 03	Signage / Striping Plan
SECP 01	Sediment and Erosion Control Plan
SECP 02	Sediment and Erosion Control Plan
WAT 01	Waterline Cover Sheet
WAT 02	Waterline Plan
WAT 03	Waterline Detail Sheet
SEW 01	Sanitary Sewerline Plan

GENERAL CONSTRUCTION NOTES:

1. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE SURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING ALL ADDITIONAL STANDARD, SPECIFICATIONS OR REQUIREMENTS WHICH ARE REQUIRED BY THE GOVERNING AUTHORITIES (LOCAL, STATE AND FEDERAL) HAVING JURISDICTION OVER THE WORK SHOWN ON THESE PLANS. ALL WORK SHALL CONFORM TO THE SPECIFICATIONS, REQUIREMENTS, ORDINANCES AND CONSTRUCTION DETAILS OF THE LOCAL GOVERNING AUTHORITY. SEE THE LIST OF GOVERNING AUTHORITIES AND UTILITIES PROVIDED ON THIS SHEET.
2. THE UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES SHOWN HEREON HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS AND AS POINTED OUT BY LOCAL UTILITY PERSONNEL. THEREFORE, THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHERS. THE EXISTENCE OF WHICH IS NOT PRESENTLY KNOWN.
3. PRIOR TO ANY SITE EXCAVATIONS, CONTACT THE UTILITY COMPANIES FOR THE LOCATION OF THEIR LINES. ALSO, STATE LAW (RSMO CHAPTER 319) REQUIRES BURIED CABLE LOCATOR SERVICE BE CONTACTED PRIOR TO EXCAVATION. CALL 800-DIG-RITE (800-344-7483).
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO BE LIABLE FOR ANY DAMAGE AND SUBSEQUENT REPAIR TO ANY KNOWN UNDER GROUND UTILITIES OR PERTINENT OBSTRUCTION IN THE COURSE OF THE CONTRACTOR'S OPERATIONS ON THE CONSTRUCTION SITE OR THE IMMEDIATE AREA.
5. THE CONTRACTOR SHALL RELOCATE ANY KNOWN EXISTING UTILITIES, WHICH CONFLICT WITH THE IMPROVEMENTS SHOWN ON THESE PLANS AND COORDINATE ALL UTILITY RELOCATION WITH THE AFFECTED UTILITY SUPPLIER. SOME UTILITIES ARE NOTED TO BE RELOCATED OR NOTED TO REMAIN IN PLACE BUT SOME UTILITIES ARE NOT SPECIFIED AND MAY NEED TO BE RELOCATED AT THE CONTRACTORS EXPENSE.
6. THE CONTRACTOR SHALL ADJUST ALL MANHOLE RIMS, VALVE BOXES, METERS AND ANY OTHER AT GRADE UTILITY APPURTENANCES, LOCATED WITHIN THE LIMITS OF THE PROJECT, TO FINISH GRADE.
7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO KEEP ROCK, MUD AND OTHER DEBRIS CAUSED BY CONSTRUCTION ACTIVITIES CLEARED FROM ADJOINING STREETS THROUGH THE DAY AND AT THE END OF EACH WORKDAY.
8. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS, AND THE REQUIREMENTS AND STANDARDS OF THE LOCAL GOVERNING AUTHORITY. THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE SITE AND SOIL CONDITIONS PRIOR TO BIDDING AND CONSTRUCTION.
9. ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. IN CASE OF CONFLICT BETWEEN THIS PLAN, ANY OTHER PLAN/SHEET AND/OR EXISTING SITE CONDITIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR CLARIFICATION PRIOR TO PROCEEDING WITH CONSTRUCTION.
10. UNLESS OTHERWISE NOTED ON THE PLANS, ALL SURFACES AND DISTURBED AREAS SHALL RECEIVE FOUR (4) INCHES OF TOPSOIL, FERTILIZE, SEED AND MULCH UNTIL PERMANENT VEGETATIVE COVER HAS BEEN ESTABLISHED. UTILITY LINES NOT IN STREETS ARE TO BE BACKFILLED WITH TOPSOIL FOR THE LAST SIX (6) INCHES, LEVELED, MULCHED AND SEEDED WITHIN 5 DAYS OF BACKFILL.
11. ALL UTILITY TRENCHES UNDER PAVED AREAS SHALL BE BACK FILLED FULL DEPTH WITH 3/4" CLEAN CRUSHED LIMESTONE ROCK, TO WITHIN 8" OF THE BOTTOM OF THE PAVEMENT. TOP 8" OF BACKFILL SHALL BE BASEROCK COMPACTED IN LIFTS TO MEET THE SPECIFIED COMPACTION REQUIREMENTS.
12. UNLESS OTHERWISE NOTED, ALL PORTLAND CEMENT CONCRETE (PCC) FOR PAVEMENT, SIDEWALKS, AND CURB/GUTTER SHALL HAVE A MINIMUM 4000-PSI COMPRESSIVE STRENGTH AT 28 DAYS.
13. BITUMINOUS ASPHALT SHALL BE CONSTRUCTED TO THE REQUIREMENTS AND SPECIFICATION OF THE LOCAL GOVERNING AUTHORITY. ALL PAVING SHALL BE COMPLETED DURING GOOD PAVING CONDITIONS.
14. THE CONTRACTOR SHALL OBTAIN PERMITS AND COORDINATE WORK ON PUBLIC RIGHT-OF-WAYS AND STREETS WITH THE APPROPRIATE LOCAL GOVERNING AUTHORITIES.
15.CONTRACTOR SHALL PROVIDE DETECTABLE WARNING AT ALL RAMPS CONSISTING OF TRUNCATED DOMES, AS SHOWN ON PLANS.
16. CONTRACTOR SHALL REGRADE ALL AREAS DISTURBED AS A RESULT OF CONSTRUCTION ACTIVITIES. ALL ROCK SHALL BE REMOVED. 4 INCHES OF TOP SOIL SHALL BE APPLIED AND RAKED UNTIL SMOOTH THEN THE AREA SHALL BE RESEEDED AND STRAWED. CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF GRASS IN THESE AREAS.
17. MAILBOXES DISTURBED DURING CONSTRUCTION ARE CONTRACTORS RESPONSIBILITY. MAIL SERVICE SHOULD NOT BE INTERRUPTED.
18. ALL SIGNAGE SHALL BE RESET TO NIXA STANDARDS.
19. A MINIMUM 80" OF VERTICAL CLEARANCE SHALL BE MAINTAINED OVER ALL SIDEWALKS AND SHALL BE FREE OF LIMBS, SIGNS OR OTHER OBSTACLES.
20. CONSTRUCTION & MATERIALS SHALL CONFORM TO THE "CITY OF NIXA SPECIFICATIONS" ALONG WITH ANY AND ALL CHANGES, ADDITIONS , AND DELETIONS, AS THE TECHNICAL SPECIFICATIONS FOR THE PROJECT.
21. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL CONVENE A PRECONSTRUCTION CONFERENCE BETWEEN THE CONSULTING ENGINEER AND THE CITY OF NIXA.
22. TRAFFIC CONTROL SHALL BE PROVIDED PER THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
23. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY SLOPES, ELEVATIONS AND GRADES.
24. COPIES OF TESTING BY A QUALIFIED GEOTECHNICIAN TO ENSURE STABILITY OF BASE & FILL MATERIAL WILL BE REQUIRED AT CONTRACTOR'S EXPENSE.
25. CONTRACTOR SHALL VERIFY COMPACTION OF ALL FILL IN ACCORDANCE WITH PROPOSED AREAS USE. 95% STANDARD PROCTOR COMPACTION SHALL BE MET OR EXCEEDED IN PAVED AREAS. COMPACTION TESTING SHOULD BE PERFORMED AT REGULAR INTERVALS AND AT CONTRACTORS EXPENSE BY A QUALIFIED GEOTECHNICAL EVALUATION LABORATORY OR FIRM. ALL SLOPES SHALL BE STABILIZED.
26. CONTRACTOR SHALL PROVIDE FINAL GRADES SLOPED TO DRAIN. AREAS SUBJECT TO PONDING OF WATER OR UNINTENDED OBSTRUCTION OF WATER SHALL BE ELIMINATED.
28. PROVIDE EROSION CONTROL AND SLOPE STABILIZATION. SEE SEDIMENT & EROSION CONTROL PLAN.
29. FINAL SURFACES OF ALL CONCRETE SHALL BE FIELD LEVELED AND MADE SMOOTH. (EXCEPT FOR REQUIRED TEXTURE.)
30. STANDARD JOINTS TO BE PROVIDED IN ALL SIDEWALKS A MIN. OF 5 FT. O.C.
31. CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTING PROWAG ACCESSIBLE SIDEWALK. ANY CONSTRUCTED SIDEWALK OR DRIVEWAYS WITH CROSS SLOPE GREATER THAN 2.00% WILL BE CONTRACTORS RESPONSIBILITY TO REMOVE AND REPLACE. (CROSS-SLOPE DESIGN AT 1.00%)
32. CURB RAMPS TO BE PROVIDED WHERE INDICATED. FIELD ADJUST TO MATCH ADJACENT WALK AND DRIVE SURFACES IN ACCORDANCE WITH PROVIDED DETAILS, AND PROWAG REQUIREMENTS. MAX LONGITUDINAL SLOPE 8.33%
33. ALL DISTURBED, UNPAVED AREAS ARE TO BE STABILIZED, FINE GRADED, SEEDED, FERTILIZED, AND MULCHED. FINAL SURFACE TO BE ROCK & DEBRIS FREE WITH A MIN. OF 4" TOP SOIL PROVIDED.
34. ALL EXIST. IMPROVEMENTS DISTURBED DURING CONSTRUCTION ARE TO BE REPLACED IN FULL TO AS GOOD OR BETTER CONDITION.
35. CONTRACTOR SHALL FIELD VERIFY & ADJUST FINAL SURFACE ELEVATION TO MATCH EXISTING SURFACE, AT ALL RAMP ENDS, ACROSS ALLEYS OR OTHER DRIVES, AND WHERE INDICATED.
36. CONTRACTOR SHALL PROVIDE THE REMOVAL AND DISPOSAL OF ANY EXISTING SIDEWALKS, DRIVEWAY APPROACHES, ROADWAY APPROACHES OR ANY OTHER ITEMS NECESSARY.
37. ALL STOP SIGNS SHALL BE LOCATED PRIOR TO ALL MARKED CROSSWALKS. ALL MAILBOXES SHALL BE RELOCATED.
38. ALL APPROACHES SHALL BE CONSTRUCTED PER CITY OF NIXA STANDARDS. SIDEWALK SHALL BE INCLUDED IN ENTRANCES.
39. CONTRACTOR SHALL REMOVE AND DEMOLISH ALL EXISTING FEATURES NECESSARY FOR CONSTRUCTION.
40. MAIN STREET IS DESIGNED AS A SECONDARY ARTERIAL ROADWAY WITH A SPEED LIMIT OF 35 MPH.

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP-CALL BEFORE YOU DIG!

MAIN ST. IMPROVEMENTS
FROM TRACKER RD. TO HWY CC
NIXA
Nixa, Christian County, Missouri

STATE OF MISSOURI · E-29795 · L. CLAYTON M. HINES · REGISTERED PROFESSIONAL ENGINEER · 4-21-23

SHAFFER & HINES, INC.
CERTIFICATE OF AUTHORITY
LICENSE NO. 001665

SHAFFER&HINES
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 - Fax: (417) 725-5230
Email: chines@shafferhines.com

SH

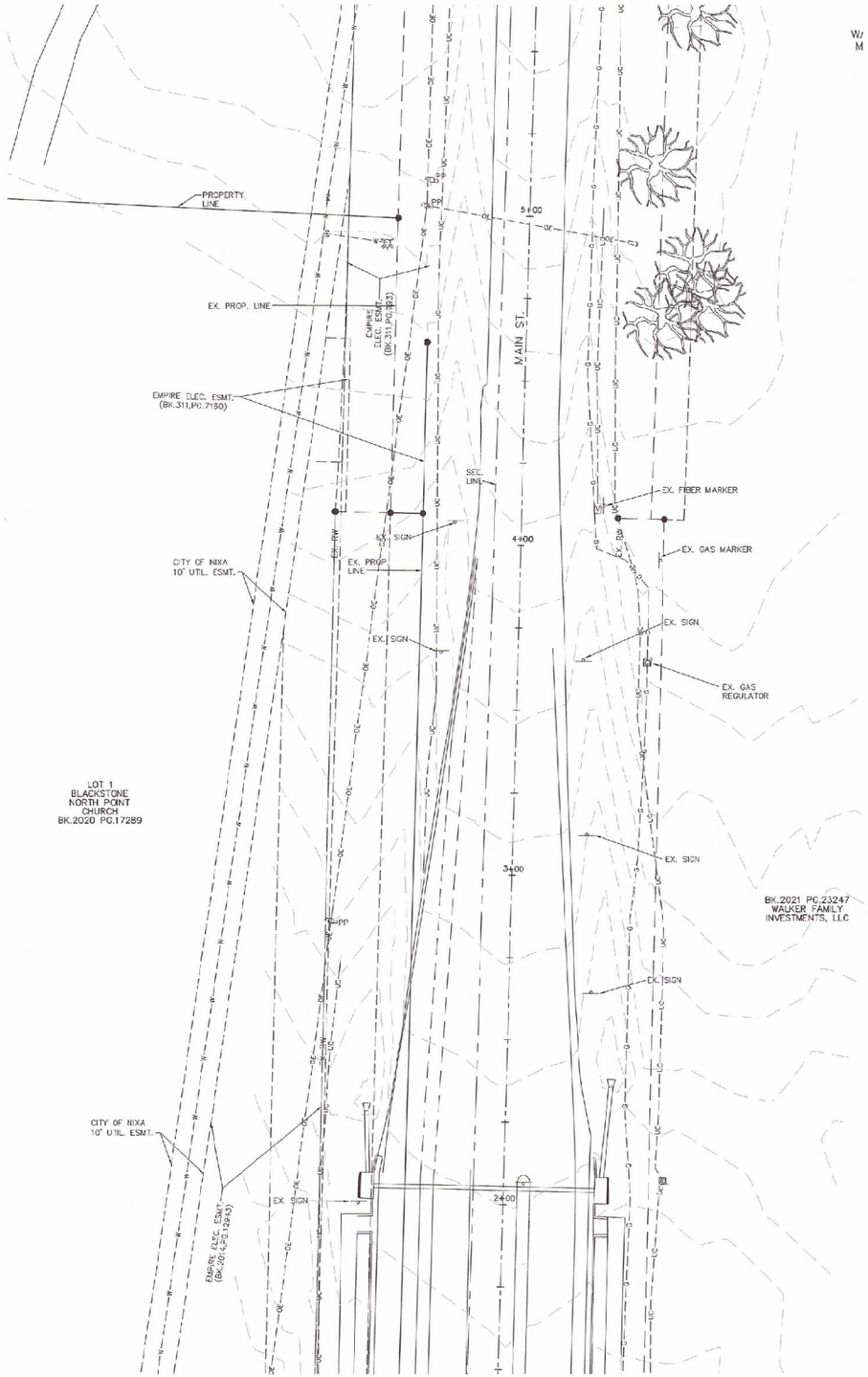
COVER SHEET

DESIGN BY	JCMH
DRAWN BY	GSM
CHKD BY	JCMH
DATE	MAY 2023
SCALE	AS SHOWN

REVISIONS

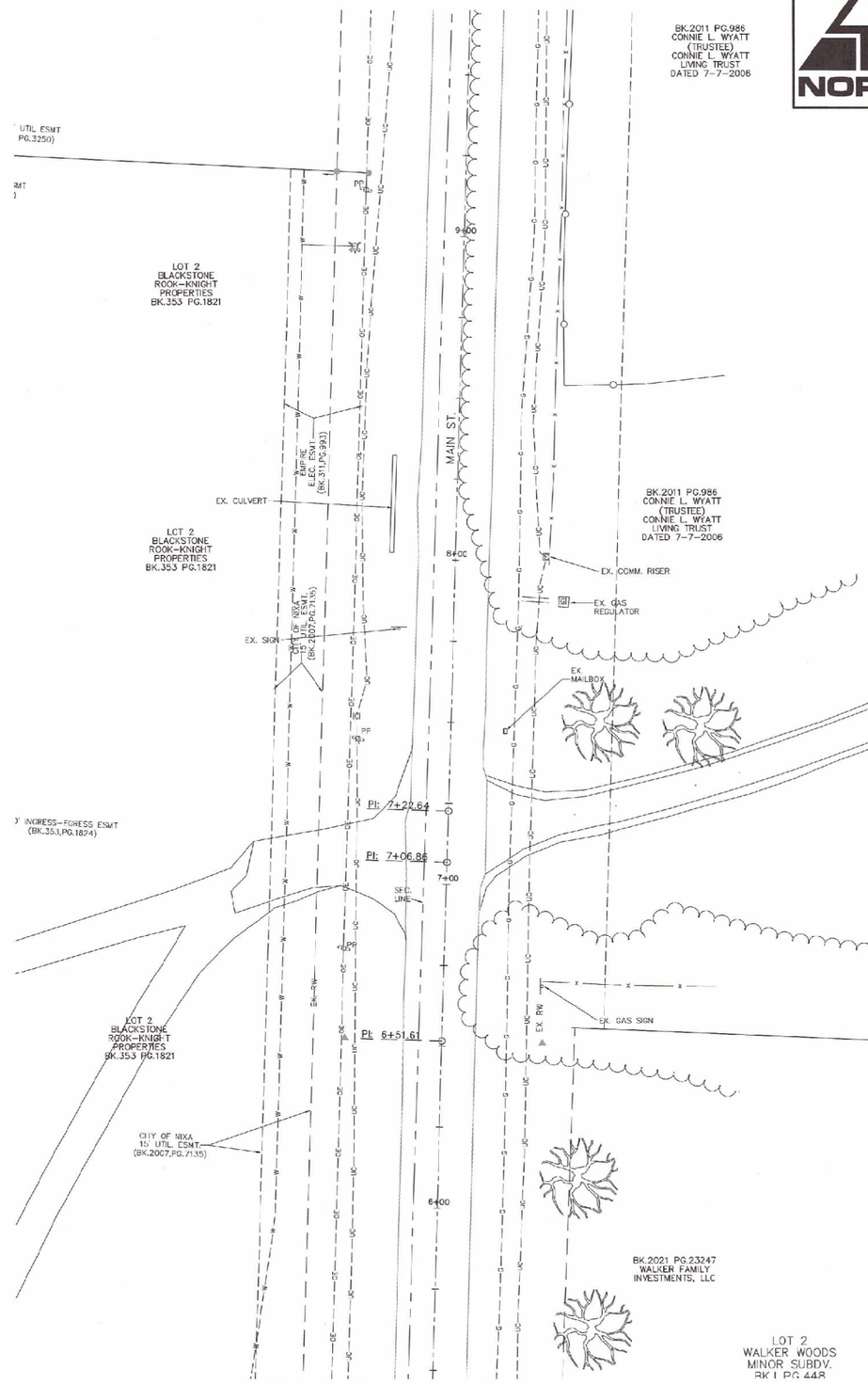
JOB NO. 222013

SHEET COV 01



TOPOGRAPHICAL SURVEY

SCALE: HOR. 1" = 20'



TOPOGRAPHICAL SURVEY

SCALE: HOR. 1" = 20'

Federal Project Number: STBG-9901(831)

NORTH

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP-CALL BEFORE YOU DIG!

MAIN ST. IMPROVEMENTS
FROM TRACKER RD. TO HWY CC

NIXA

Nixa, Christian County, Missouri

J. CLAYTON MINES NUMBER E-28799 REGISTERED PROFESSIONAL ENGINEER

J. CLAYTON M. MINES E-28799

SHAFFER & HINES, INC.
CERTIFICATE OF AUTHORITY
LICENSE NO. 001665

SHAFFER&HINES
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 - Fax: (417) 725-5230
Email: chines@shaffer-hines.com

MAIN ST.
TOPOGRAPHICAL SURVEY
/ EXISITNG FEATURES

DESIGN BY	JCMH
DRAWN BY	GSM
CHK'D BY	JCMH
DATE	MAY 2023
SCALE	AS SHOWN

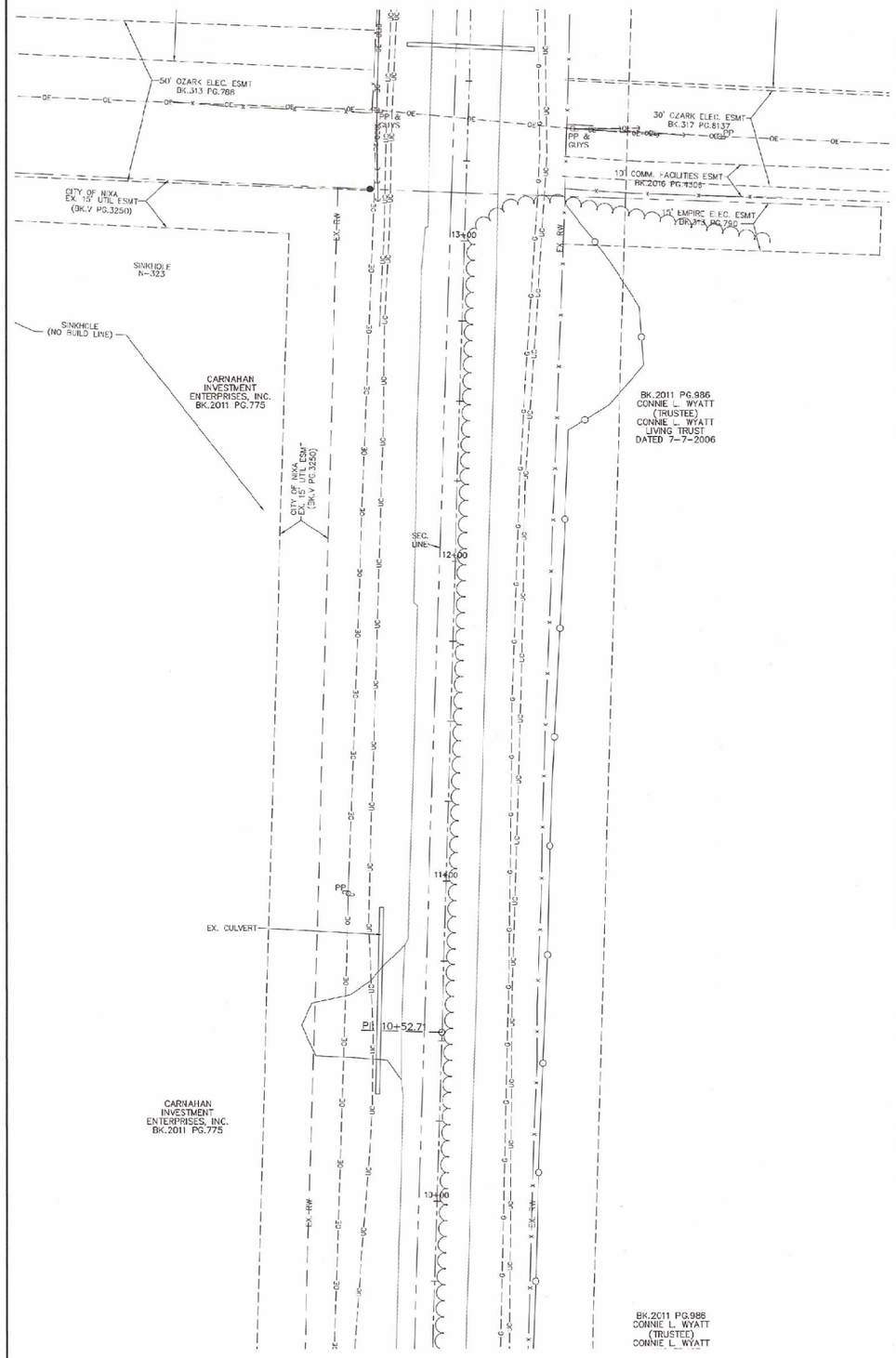
REVISIONS

JOB NO.

222013

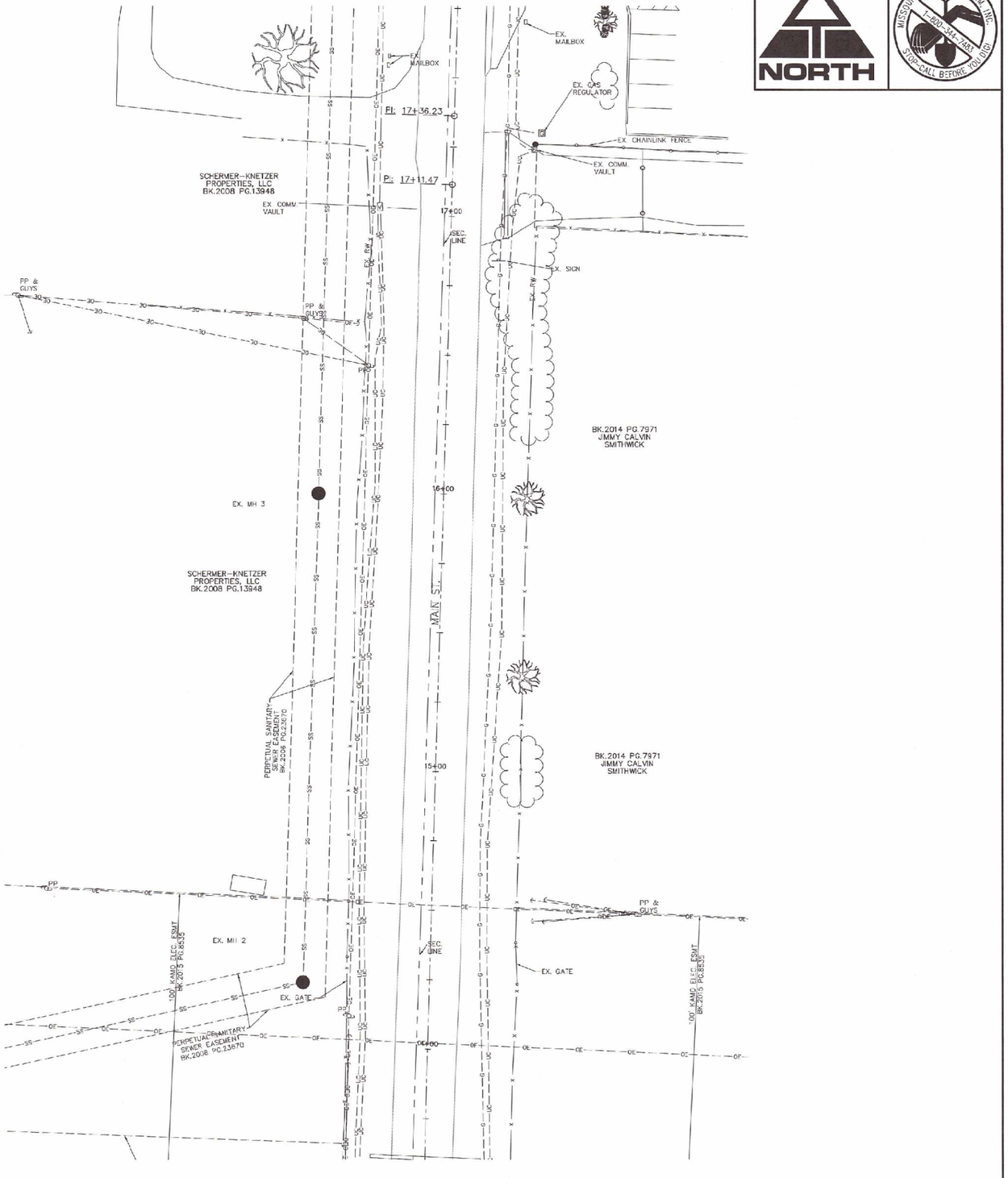
SHEET

SUR 01



TOPOGRAPHICAL SURVEY

SCALE: HOR. 1" = 20'



TOPOGRAPHICAL SURVEY

SCALE: HOR. 1" = 20'

Federal Project Number: STBG-9901(831)

NORTH

MISSOURI ONE CALL SYSTEM, INC.
1-800-344-7483
STOP! CALL BEFORE YOU DIG!

MAIN ST. IMPROVEMENTS
FROM TRACKER RD. TO HWY CC

NIXA
Nixa, Christian County, Missouri

J. CLAYTON M. HINES E-29799
REGISTERED PROFESSIONAL ENGINEER
STATE OF MISSOURI
J. CLAYTON M. HINES
NUMBER E-29799
12-31-20

SHAFFER & HINES, INC.
CERTIFICATE OF AUTHORITY
LICENSE NO. 001665

SHAFFER & HINES
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 - Fax: (417) 725-5230
Email: chines@shaffer&hines.com

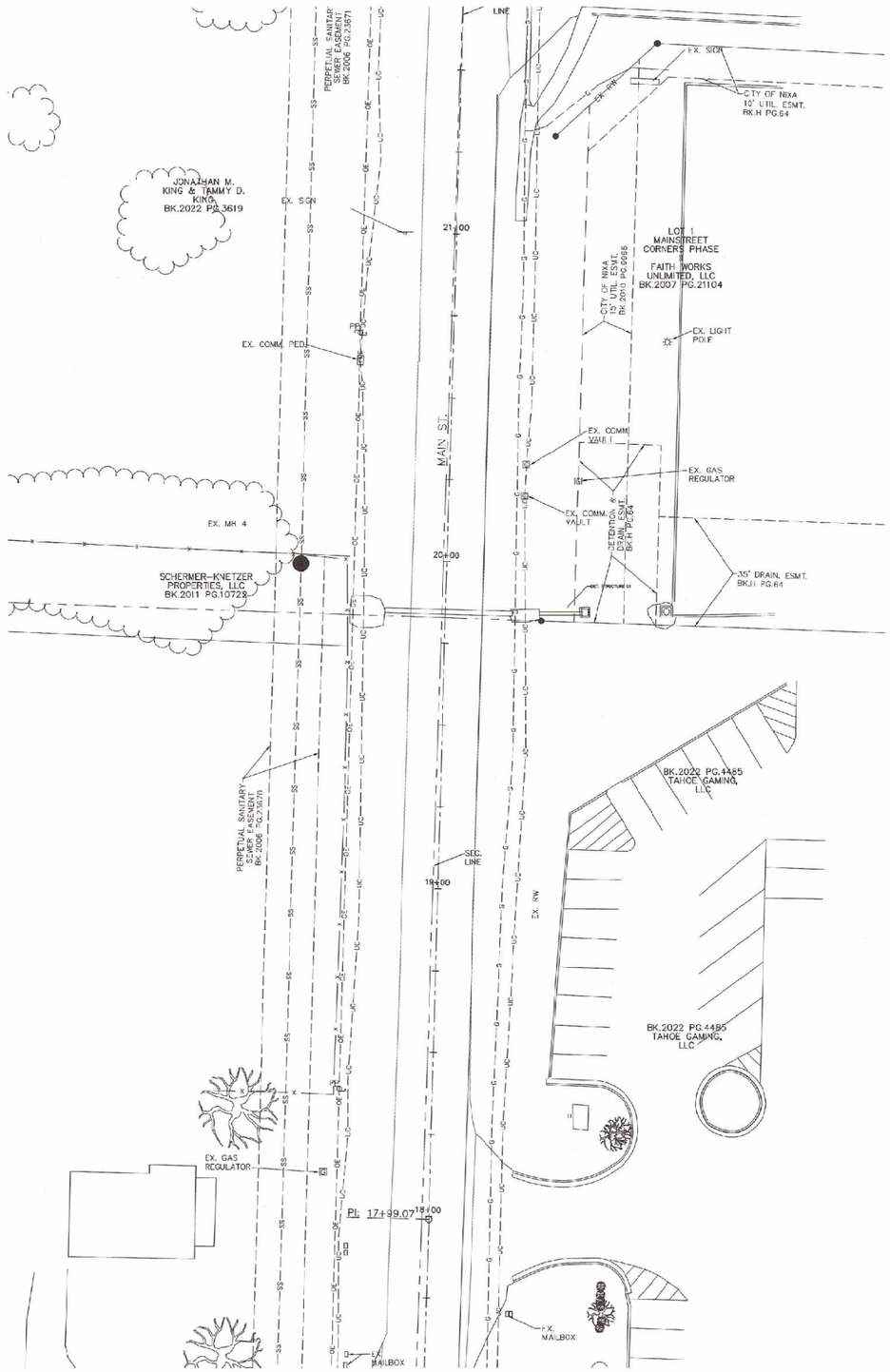
MAIN ST.
TOPOGRAPHICAL SURVEY
/ EXISITNG FEATURES

DESIGN BY	JCMH
DRAWN BY	DSM
CHKD BY	JCMH
DATE	MAY 2020
SCALE	AS SHOWN

REVISIONS

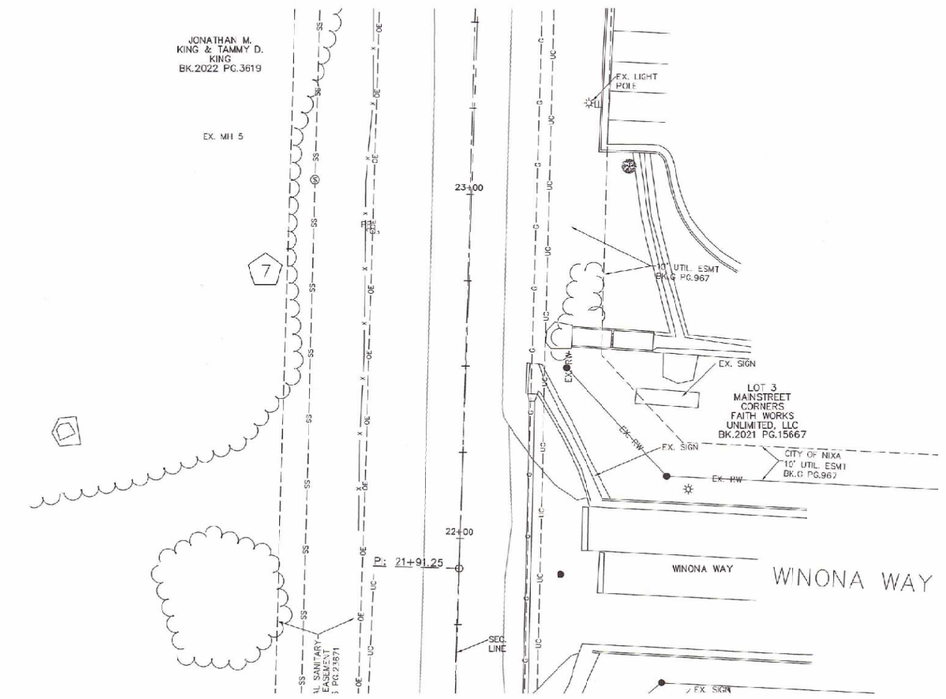
JOB NO.
222013

SHEET
SUR 02



TOPOGRAPHICAL SURVEY

SCALE: HOR. 1" = 20'



TOPOGRAPHICAL SURVEY

SCALE: HOR. 1" = 20'

Federal Project Number: STBG-9901(831)

NORTH

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP-CALL BEFORE YOU DIG!

MAIN ST. IMPROVEMENTS
FROM TRACKER RD. TO HWY CC

NIXA

Nixa, Christian County, Missouri

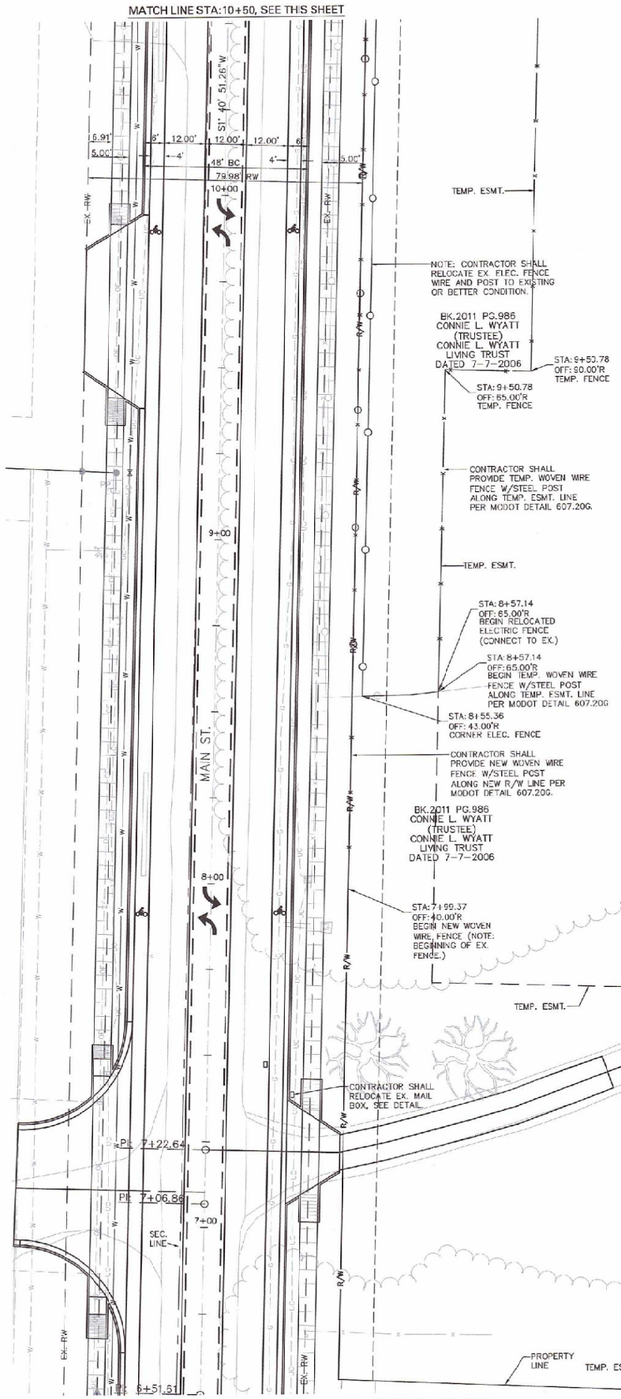
J. CLAYTON M. HINES E-29799 REGISTERED PROFESSIONAL ENGINEER

SHAFFER & HINES, INC.
CERTIFICATE OF AUTHORITY
LICENSE NO. 001665

SHAFFER&HINES
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 - Fax: (417) 725-5230
Email: chines@shafferhines.com

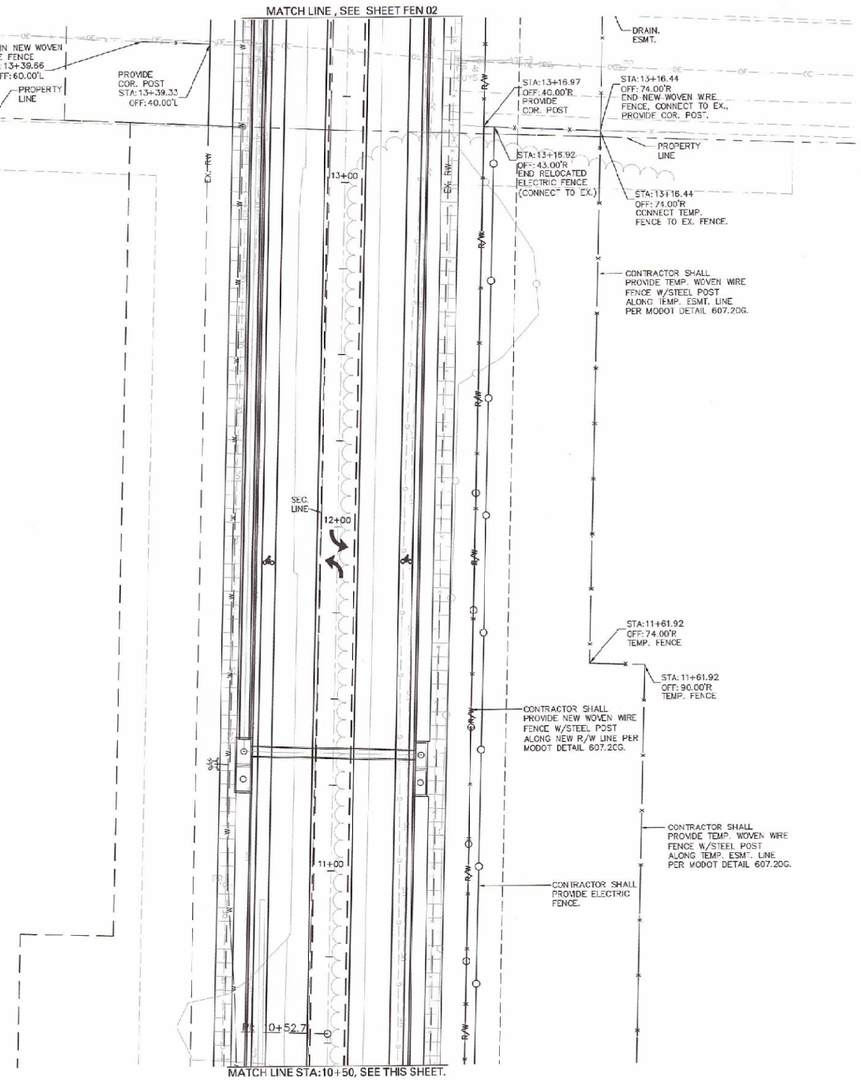
MAIN ST.
TOPOGRAPHICAL SURVEY
/ EXISITNG FEATURES

DESIGN BY	JCMH
DRAWN BY	GSM
CHK'D BY	JCMH
DATE	MAY 2023
SCALE	AS SHOWN
REVISIONS	
JOB NO.	222013
SHEET	SUR 03



MAIN ST. - FENCING PLAN

SCALE: HOR. 1" = 40'



MAIN ST. -FENCING PLAN

SCALE: HOR. 1" = 40'

Federal Project Number: STBG-9901(831)

MAIN ST. IMPROVEMENTS
FROM TRACKER RD. TO HWY CC

Nixa, Christian County, Missouri

J. CLAYTON M. HINES NUMBER E-29799 REGISTERED PROFESSIONAL ENGINEER 9-20-23

SHAFFER & HINES, INC.
CERTIFICATE OF AUTHORITY
LICENSE NO. 001665

SHAFFER & HINES
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 - Fax: (417) 725-5230
Email: chines@shafferhines.com

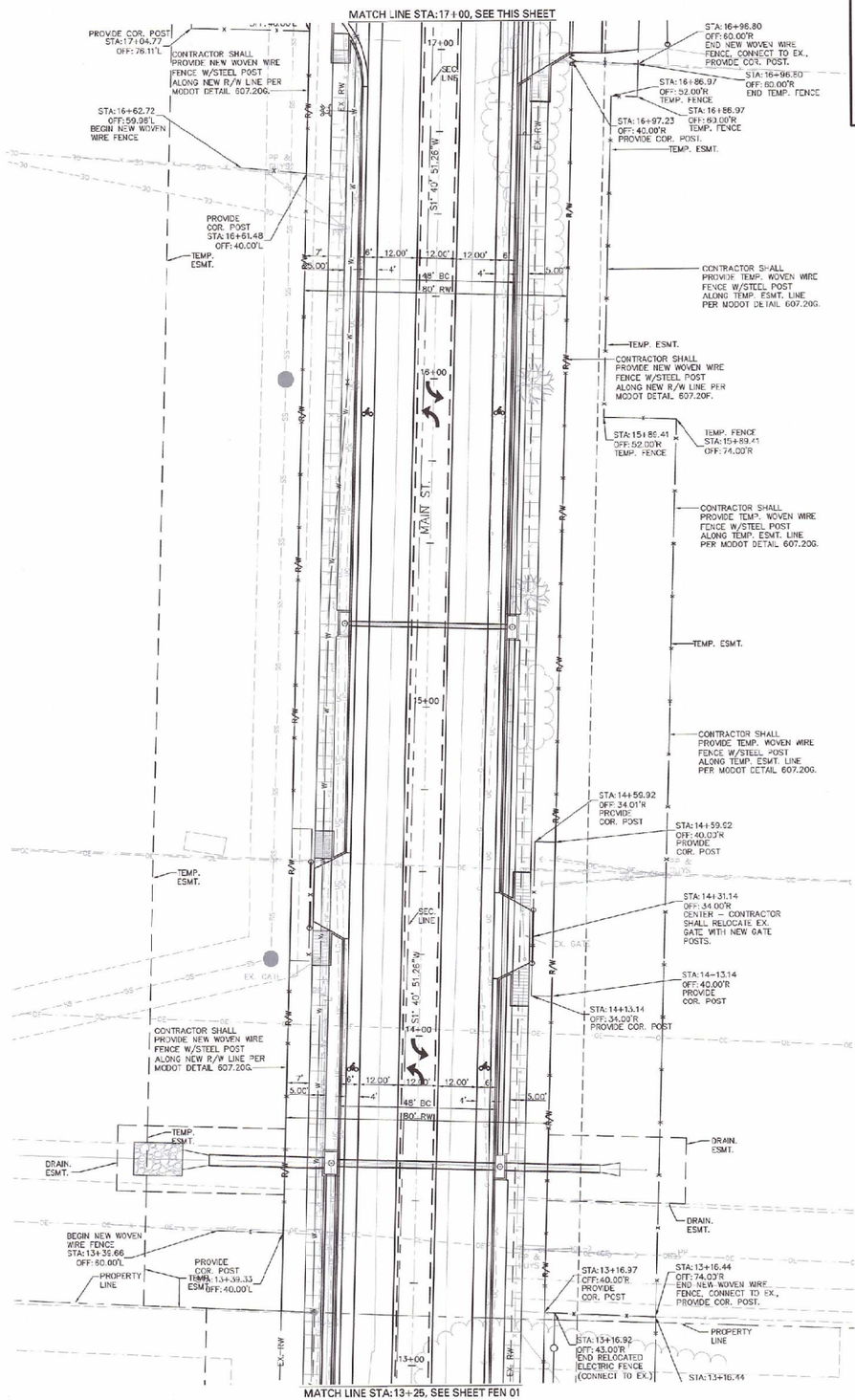
MAIN ST.
FENCING PLAN

DESIGN BY	JCMH
DRAWN BY	GSM
CHKD BY	JCMH
DATE	MAY 2023
SCALE	AS SHOWN

REVISIONS

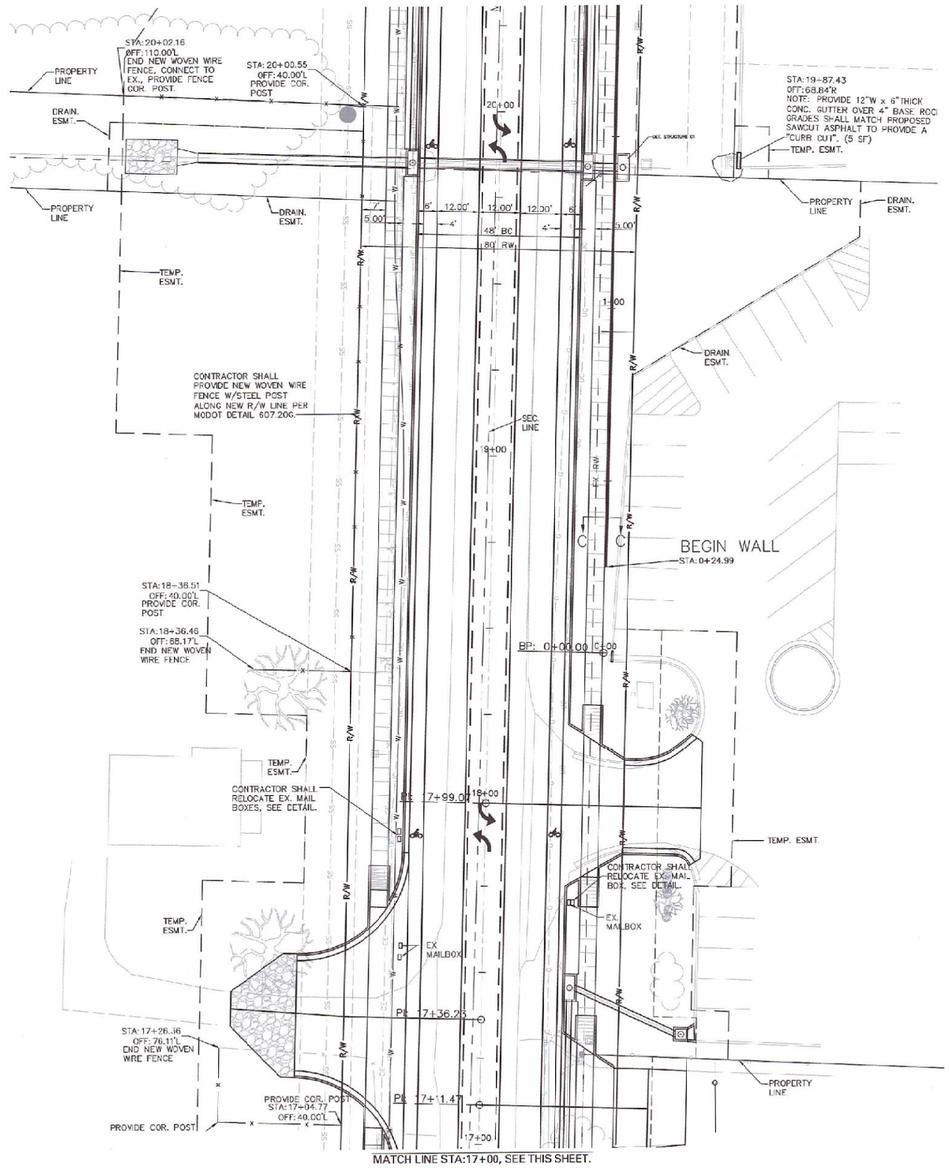
JOB NO. 222013

SHEET FEN 01



MAIN ST. - FENCING PLAN

SCALE: HOR. 1" = 40'



MAIN ST. - FENCING PLAN

SCALE: HOR. 1" = 40'

Federal Project Number: STBG-9901(831)

MAIN ST. IMPROVEMENTS
FROM TRACKER RD. TO HWY CC

NIXA

Nixa, Christian County, Missouri

J. CLAYTON MCMURRAY NUMBER E-26799 DATE 4-30-24 REGISTERED PROFESSIONAL ENGINEER STATE OF MISSOURI

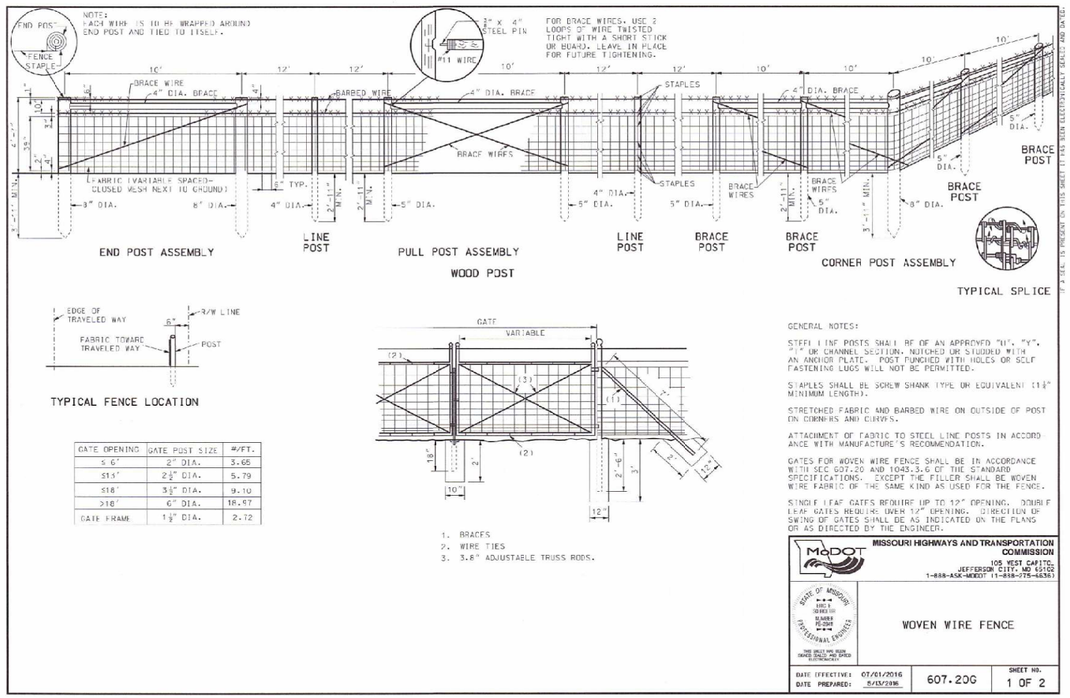
J. CLAYTON MCMURRAY, PE E-26799

SHAFFER & HINES, INC.
CERTIFICATE OF AUTHORITY
LICENSE NO. 001865

SHAFFER & HINES INC.
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 - Fax: (417) 725-5230
Email: chines@shafferhines.com

MAIN ST.
FENCING PLAN

DESIGN BY	JCMM
DRAWN BY	GSM
CHK'D BY	JCMM
DATE	MAY 2023
SCALE	AS SHOWN
REVISIONS	
JOB NO.	222013
SHEET	FEN 02



TYPICAL FENCE LOCATION

GATE OPENING	GATE POST SIZE	#/FT.
≤ 6'	2" DIA.	3.65
≤ 14'	2½" DIA.	5.79
≤ 18'	3½" DIA.	9.10
>18'	6" DIA.	18.97
GATE FRAME	1½" DIA.	2.72

1. BRACES
2. WIRE TIES
3. 5.8" ADJUSTABLE TRUSS RODS.

GENERAL NOTES:

STEEL LINE POSTS SHALL BE OF AN APPROVED "U", "Y", "I" OR CHANNEL SECTION. NOTCHED OR STUDDED WITH AN ANCHOR PLATE. POST PUNCHED WITH HOLES OR SELF FASTENING LUGS WILL NOT BE PERMITTED.

STAPLES SHALL BE SCREW SHANK TYPE OR EQUIVALENT (1½" MINIMUM LENGTH).

STRETCHED FABRIC AND BARBED WIRE ON OUTSIDE OF POST ON CORNERS AND CURVES.

ATTACHMENT OF FABRIC TO STEEL LINE POSTS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION.

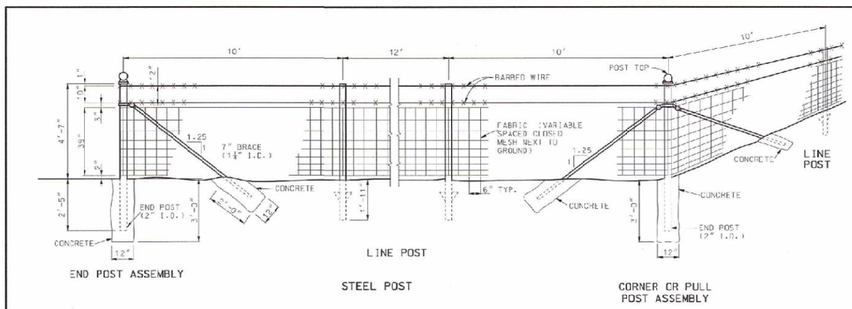
GATES FOR WOVEN WIRE FENCE SHALL BE IN ACCORDANCE WITH SEC 607.20 AND 1043.3.6 OF THE STANDARD SPECIFICATIONS. EXCEPT THE FILLER SHALL BE WOVEN WIRE FABRIC OF THE SAME KIND AS USED FOR THE FENCE.

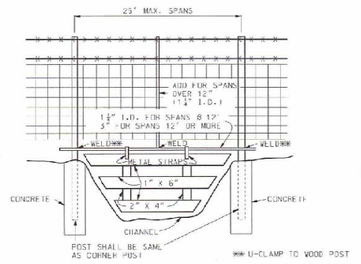
SINGLE LEAF GATES REQUIRE UP TO 12' OPENING. DOUBLE LEAF GATES REQUIRE OVER 12' OPENING. DIRECTION OF SWING OF GATES SHALL BE AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

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

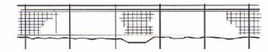
WOVEN WIRE FENCE

DATE EFFECTIVE:	07/01/2016	607.20G	SHEET NO. 1 OF 2
DATE PREPARED:	5/13/2016		

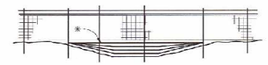




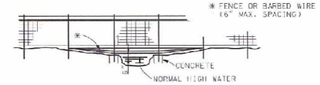
TYPICAL
WATER CROSSING GATE



ROADWAY DITCHES OR SMALL SHALLOW CHANNELS
(SPAN WITH NORMAL LINE POST SPACING)



POORLY DEFINED CHANNELS (SMALL DRAINAGE AREAS)



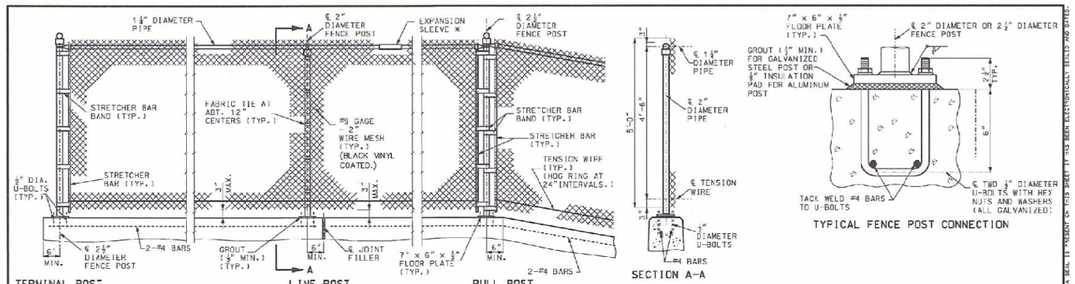
WELL DEFINED CHANNELS (LARGE DRAINAGE AREAS)

TYPICAL FENCING AT
CHANNEL CROSSING

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

WOVEN WIRE FENCE

DATE EFFECTIVE:	07/01/2016	607.20G	SHEET NO. 2 OF 2
DATE PREPARED:	5/13/2016		

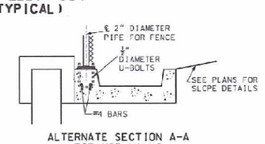


SECTION A-A

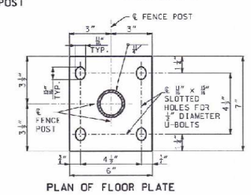
TYPICAL FENCE POST CONNECTION

* PLACE EXPANSION SLEEVE AT ABOUT 30'-0" CENTERS WITH AT LEAST ONE EXPANSION SLEEVE BETWEEN PULL POSTS.

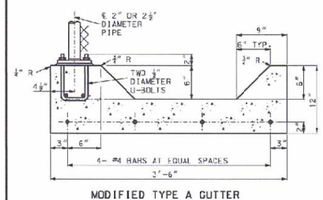
PART ELEVATION
(TYPICAL)



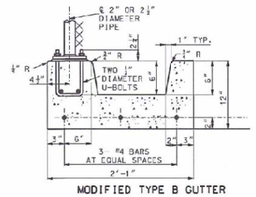
ALTERNATE SECTION A-A
FOR MSE WALLS



PLAN OF FLOOR PLATE



MODIFIED TYPE A GUTTER



MODIFIED TYPE B GUTTER

FENCE CONNECTION FOR MSE WALLS

GENERAL NOTES:

PAYMENT FOR U-BOLTS WITH NUTS, WASHERS, AND #4 BARS WILL BE CONSIDERED COMPLETELY COVERED BY THE CONTRACT UNIT PRICE FOR CHAIN-LINK FENCE (RETAINING WALLS).

PULL POST SHALL BE USED AT SHARP BREAKS IN VERTICAL GRADE OR AT APPROXIMATE 100'-0" CENTERS ON STRAIGHT RUNS.

THE CHAIN-LINK FENCE SHALL BE IN ACCORDANCE WITH APPLICABLE PARTS OF SEC. 607.

MAXIMUM POST SPACING IN HORIZONTAL DIRECTION SHALL BE 10'-0".

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

CHAIN-LINK FENCE
FOR RETAINING WALLS

DATE EFFECTIVE:	06/01/2005	607.11H	SHEET NO. 1 OF 1
DATE PREPARED:	4/30/2009		

NOTE:
ALL FENCE COMPONENTS SHALL BE BLACK VINYL COATED.

NOTE:
A TOP RAIL AND A BOTTOM RAIL SHALL BE PROVIDED FOR THE CHAINLINK FENCE ON THE RETAINING WALL.

Federal Project Number: STBG-9901(831)

MAIN ST. IMPROVEMENTS
FROM TRACKER RD. TO HWY CC

Nixa, Christian County, Missouri

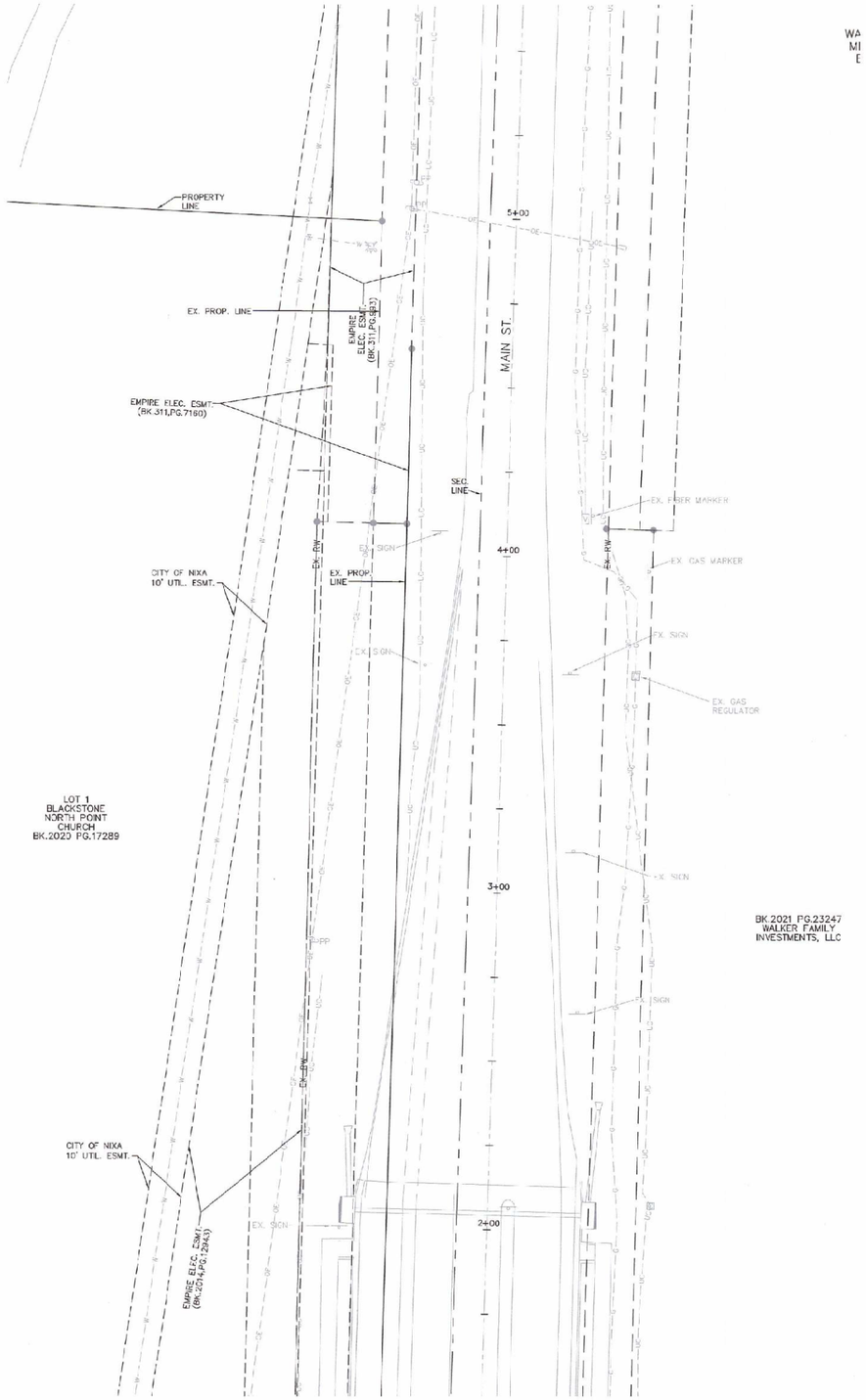
SHAFFER & HINES, INC.
CERTIFICATE OF AUTHORITY
LICENSE NO. 001665

SHAFFER&HINES
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 492, Nixa, Missouri, 65714
Tel: (417) 725-4663 - Fax: (417) 725-5230
Email: chines@shaffer-hines.com

MAIN ST.
FENCING DETAILS

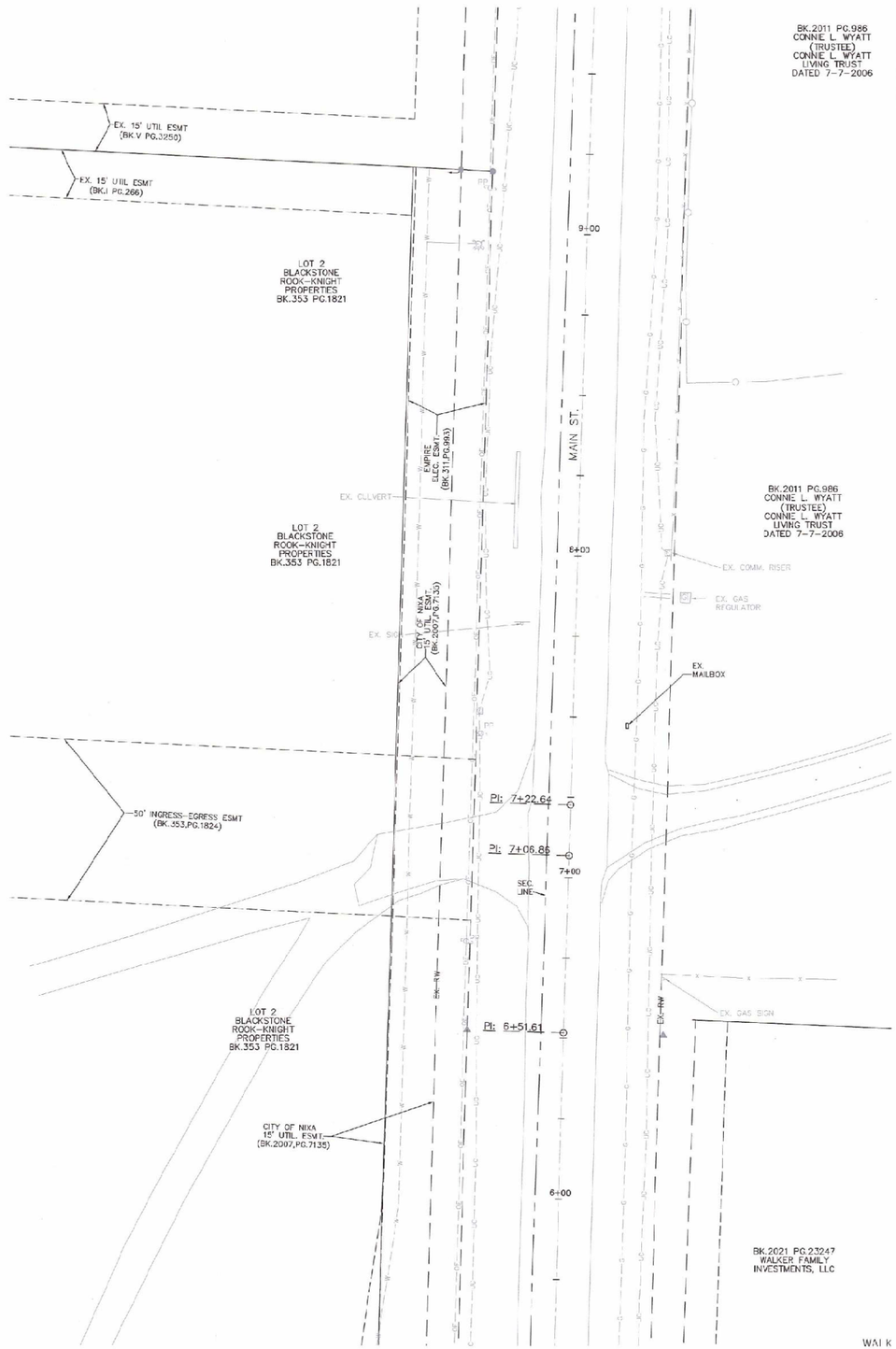
DESIGN BY	JCM1
DRAWN BY	GSM
CHK'D BY	JCM1
DATE	MAY 2023
SCALE	AS SHOWN
REVISIONS	
JOB NO.	222013
SHEET	FEN 03

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP - CALL BEFORE YOU DIG!



EXISTING EASEMENTS

SCALE: HOR. 1" = 20'



EXISTING EASEMENTS

SCALE: HOR. 1" = 20'

Federal Project Number: STBG-9901(831)

NORTH

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP-CALL BEFORE YOU DIG!

MAIN ST IMPROVEMENTS FROM TRACKER RD. TO HWY CC

NIXA

Nixa, Christian County, Missouri

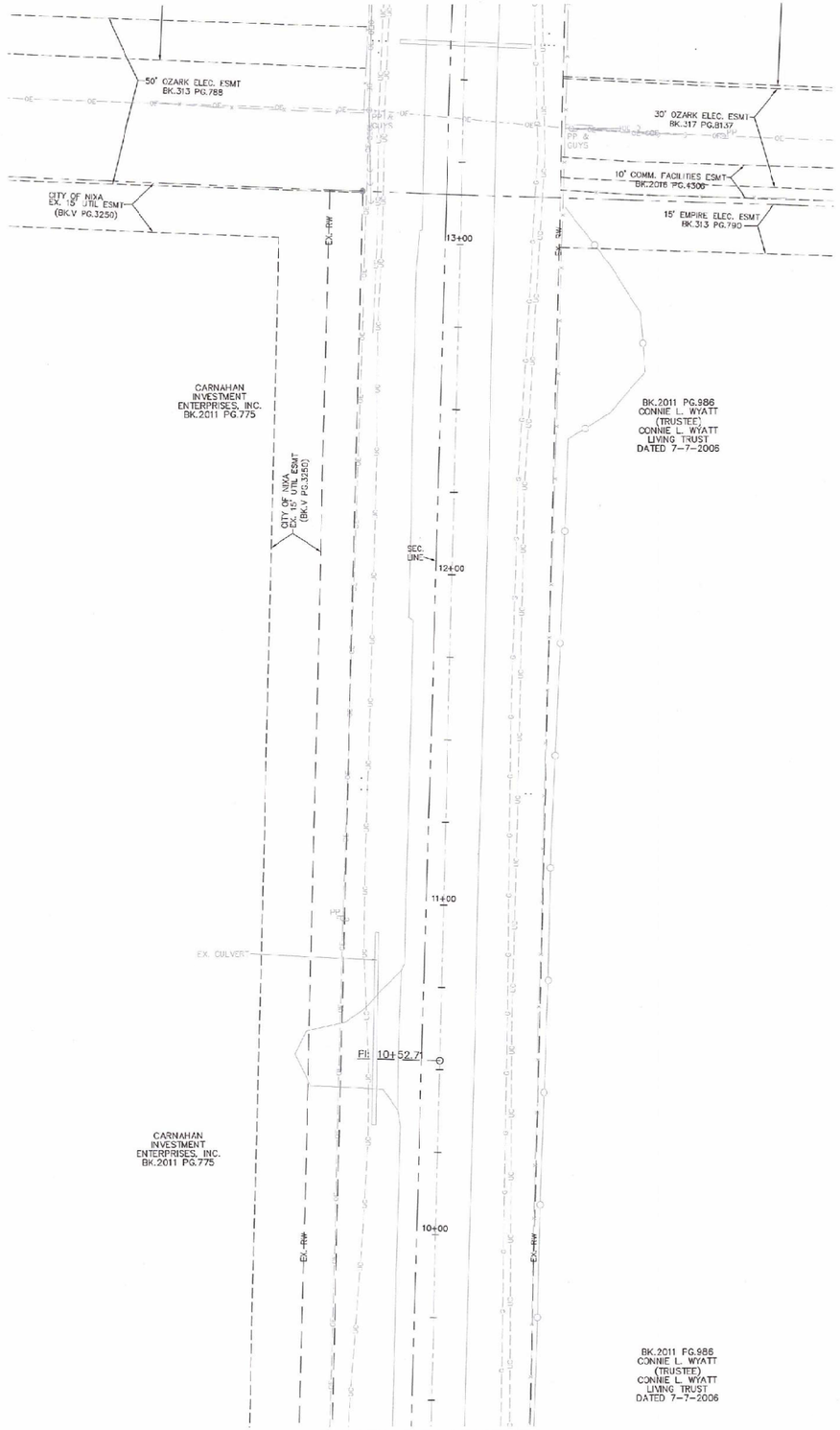
J. CLAYTON M. HINES E-28799 REGISTERED PROFESSIONAL ENGINEER

SHAFFER & HINES, INC. CERTIFICATE OF AUTHORITY LICENSE NO. C01665

SHAFFER & HINES
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri 65714
Tel: (417) 725-4663 - Fax: (417) 725-5230
Email: chines@shaffer&hines.com

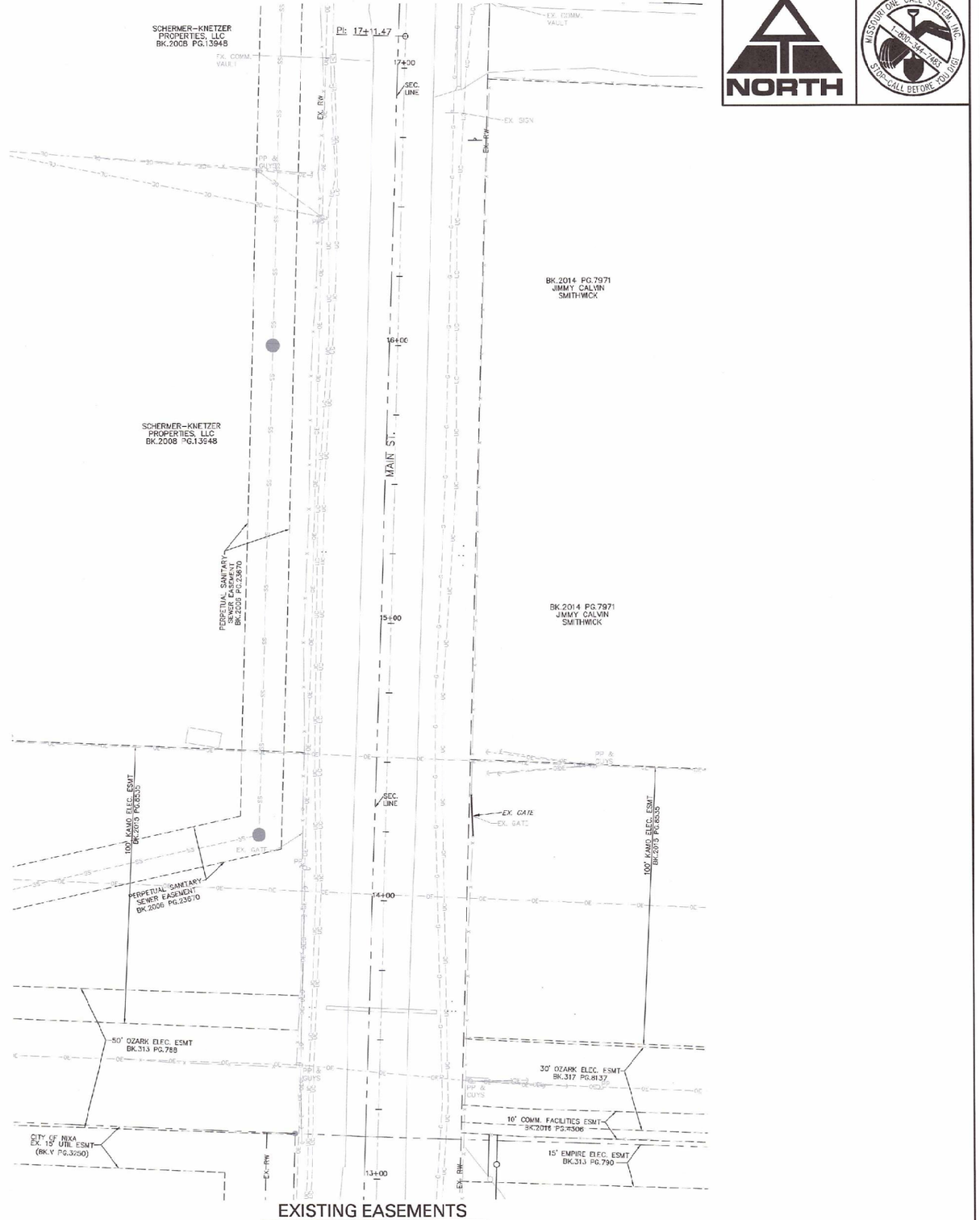
MAIN ST. EXISTING EASEMENTS

DESIGN BY	JCMH
DRAWN BY	CSM
CHK'D BY	JCMH
DATE	MAY 2022
SCALE	AS SHOWN
REVISIONS	
JOB NO.	222013
SHEET	ESMT 01



EXISTING EASEMENTS

SCALE: HOR. 1" = 20'



EXISTING EASEMENTS

SCALE: HOR. 1" = 20'

Federal Project Number: STBG-9901(831)

NORTH

MISSOURI ONE CALL SYSTEM, INC.
1-800-344-7483
STOP-CALL BEFORE YOU DIG

MAIN ST. IMPROVEMENTS
FROM TRACKER RD. TO HWY CC

NIXA

Nixa, Christian County, Missouri

STATE OF MISSOURI
J. CLAYTON M. HINES
NUMBER E-28799
DATE 7-14-23
REGISTERED PROFESSIONAL ENGINEER
J. CLAYTON M. HINES E-28799

SHAFFER & HINES, INC.
CERTIFICATE OF AUTHORITY
LICENSE NO. 001685

SHAFFER & HINES
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 - Fax: (417) 725-5230
Email: chines@shafferhines.com

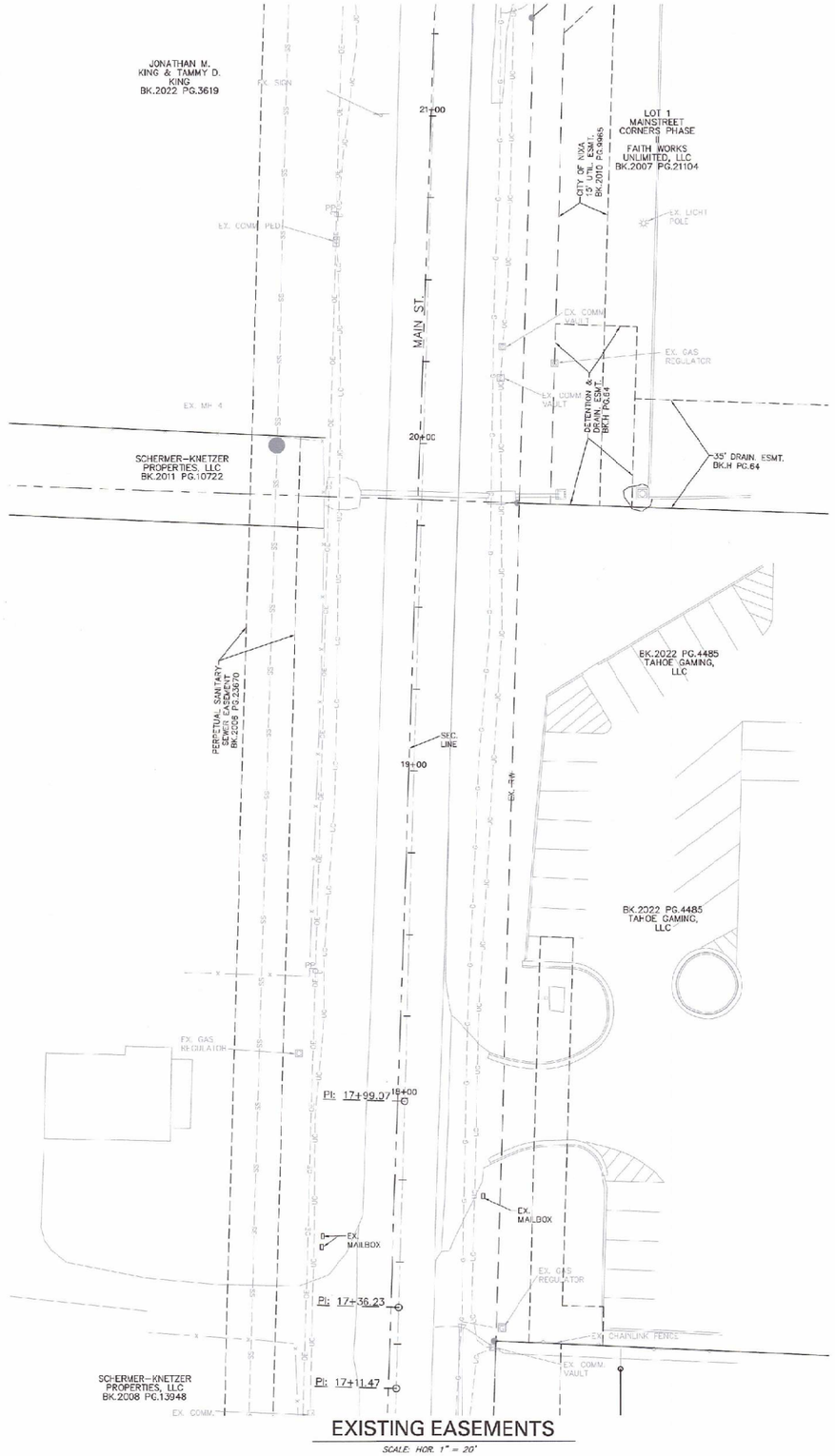
MAIN ST.
EXISTING EASEMENTS

DESIGN BY	JCMH
DRAWN BY	GSM
CHK'D BY	JCMH
DATE	MAY 2023
SCALE	AS SHOWN

REVISIONS

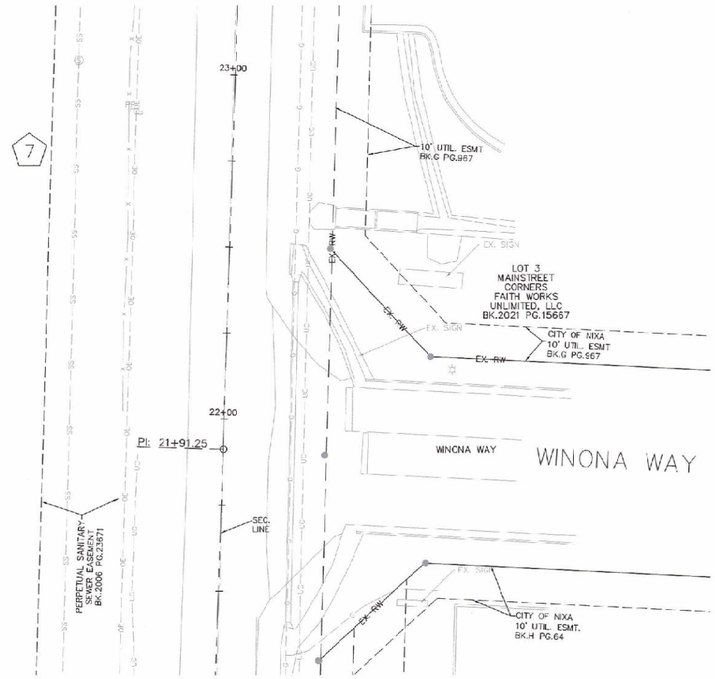
JOB NO.
222013

SHEET
ESMT 02



EXISTING EASEMENTS

SCALE: HOR. 1" = 20'



EXISTING EASEMENTS

SCALE: HOR. 1" = 20'

Federal Project Number: STBG-9901(831)

NORTH

MISSOURI ONE CALL SYSTEM INC. 1-800-344-7483 STOP-CALL BEFORE YOU DIG!

MAIN ST. IMPROVEMENTS FROM TRACKER RD. TO HWY CC

NIXA

Nixa, Christian County, Missouri

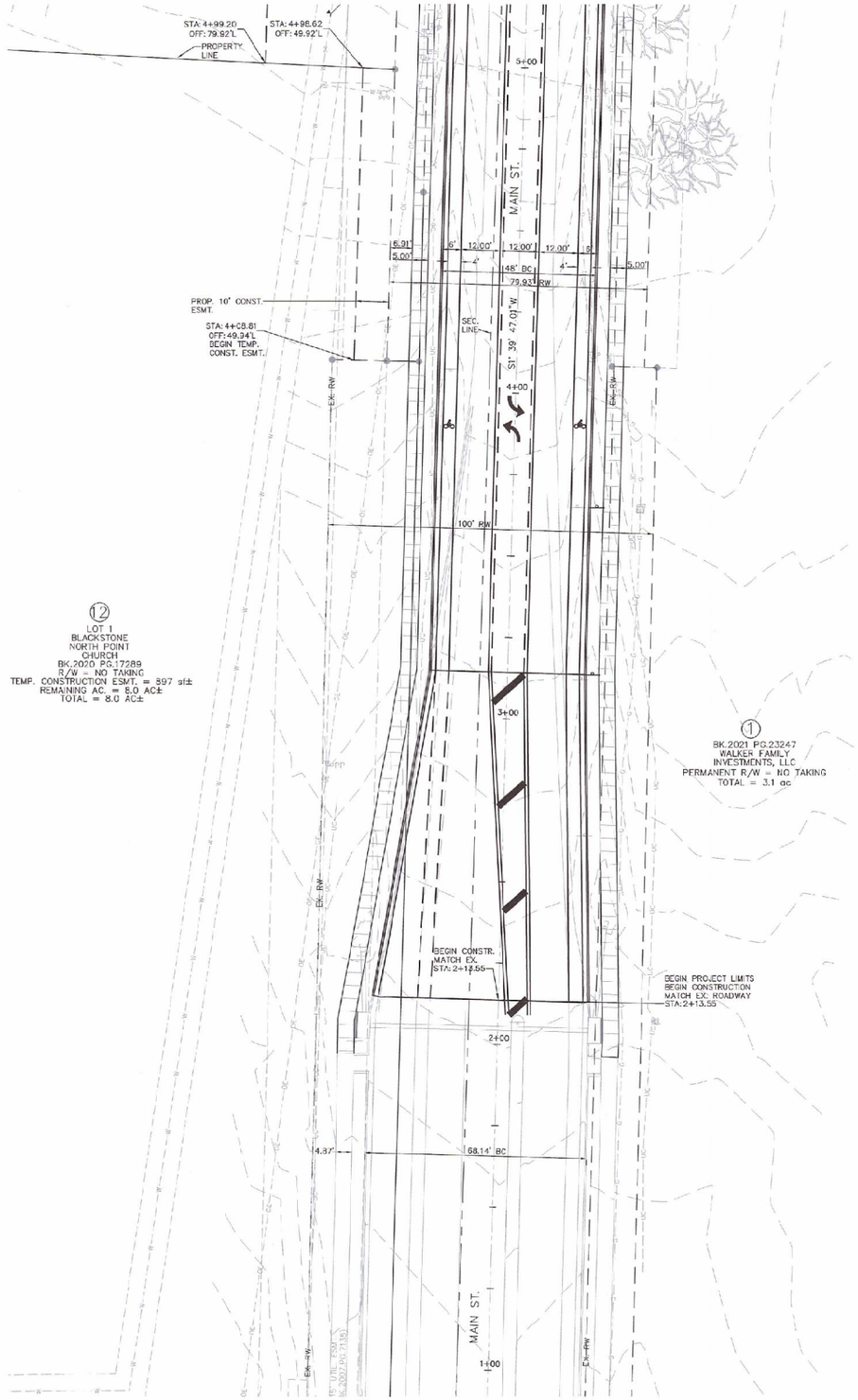
J. CLAYTON M. HINES E-28799 REGISTERED PROFESSIONAL ENGINEER

SHAFFER & HINES, INC. CERTIFICATE OF AUTHORITY LICENSE NO. 001665

SHAFFER & HINES
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 - Fax: (417) 725-5230
Email: chines@shafferhines.com

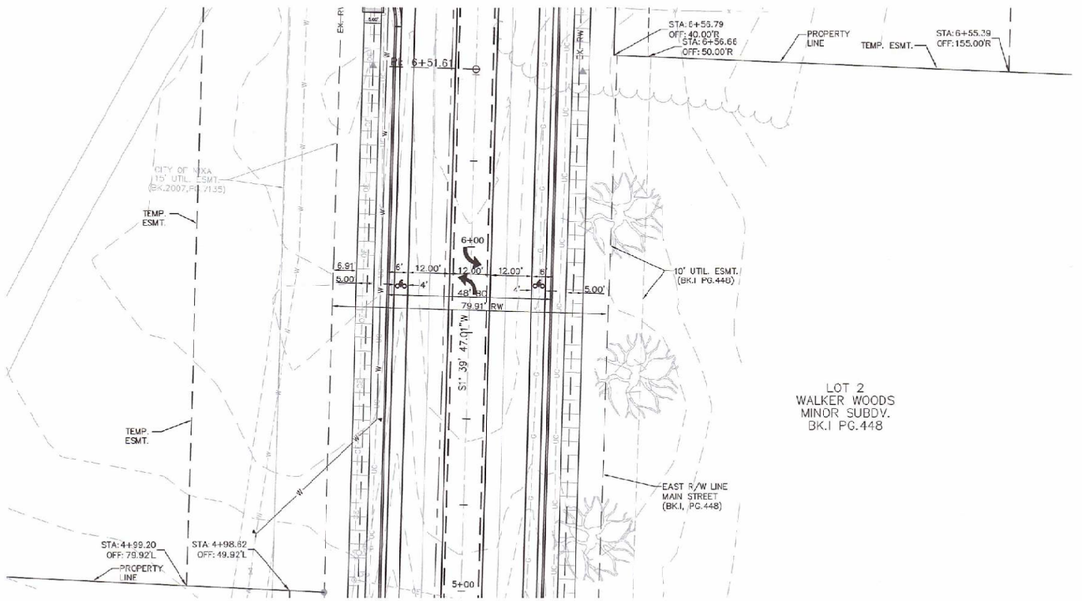
MAIN ST.
EXISTING EASEMENTS

DESIGN BY	JCMH
DRAWN BY	GSM
CHK'D BY	JCMH
DATE	MAY 2023
SCALE	AS SHOWN
REVISIONS	
JOB NO.	222013
SHEET	ESMT 03



MAIN ST. - RIGHT OF WAY PLAN

SCALE: HOR. 1" = 40'



MAIN ST. - RIGHT OF WAY PLAN

SCALE: HOR. 1" = 40'

Federal Project Number: STBG-9901(831)

NORTH

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP-CALL BEFORE YOU DIG!

MAIN ST. IMPROVEMENTS
FROM TRACKER RD. TO HWY CC

NIXA

Nixa, Christian County, Missouri

J. CLAYTON MAINES NUMBER E-29799 REGISTERED PROFESSIONAL ENGINEER

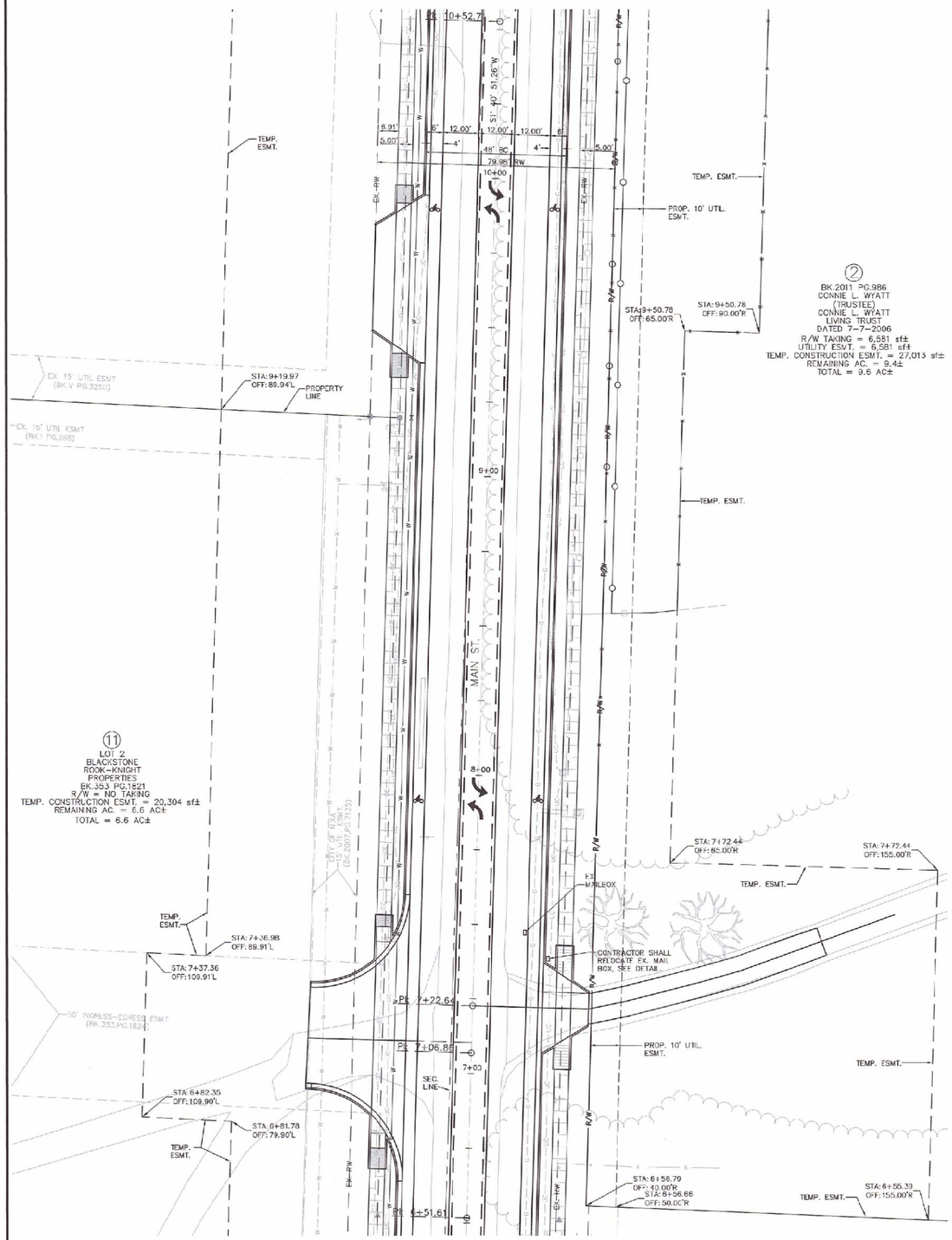
J. CLAYTON MAINES E-29799

SHAFFER & HINES, INC.
CERTIFICATE OF AUTHORITY
LICENSE NO. 001663

SHAFFER & HINES
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 - Fax: (417) 725-5230
Email: chines@shafferhines.com

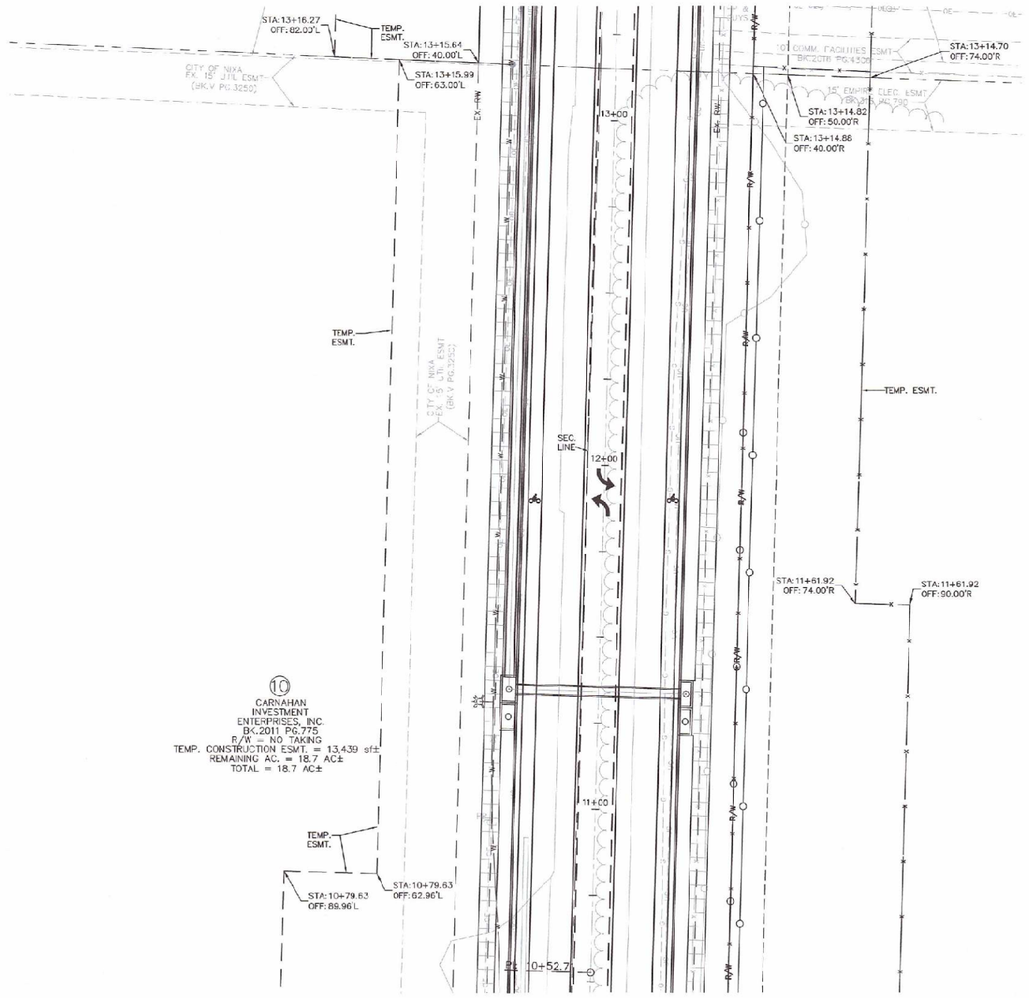
MAIN ST.
RIGHT OF WAY
PLAN

DESIGN BY	JCMH
DRAWN BY	GSM
CHK'D BY	JCMH
DATE	MAY 2022
SCALE	AS SHOWN
REVISIONS	
JOB NO.	222013
SHEET	RW 01



MAIN ST. - RIGHT OF WAY PLAN

SCALE: HOR. 1" = 40'



MAIN ST. - RIGHT OF WAY PLAN

SCALE: HOR. 1" = 40'

Federal Project Number: STBG-9901(831)

NORTH

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP. CALL BEFORE YOU DIG!

MAIN ST. IMPROVEMENTS FROM TRACKER RD. TO HWY CC

NIXA

Nixa, Christian County, Missouri

J. CLAYTON M. HINES E-29799 REGISTERED PROFESSIONAL ENGINEER

SHAFFER & HINES, INC. CERTIFICATE OF AUTHORITY LICENSE NO. 001665

SHAFFER & HINES
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 - Fax: (417) 725-5230
Email: chines@shaffer&hines.com

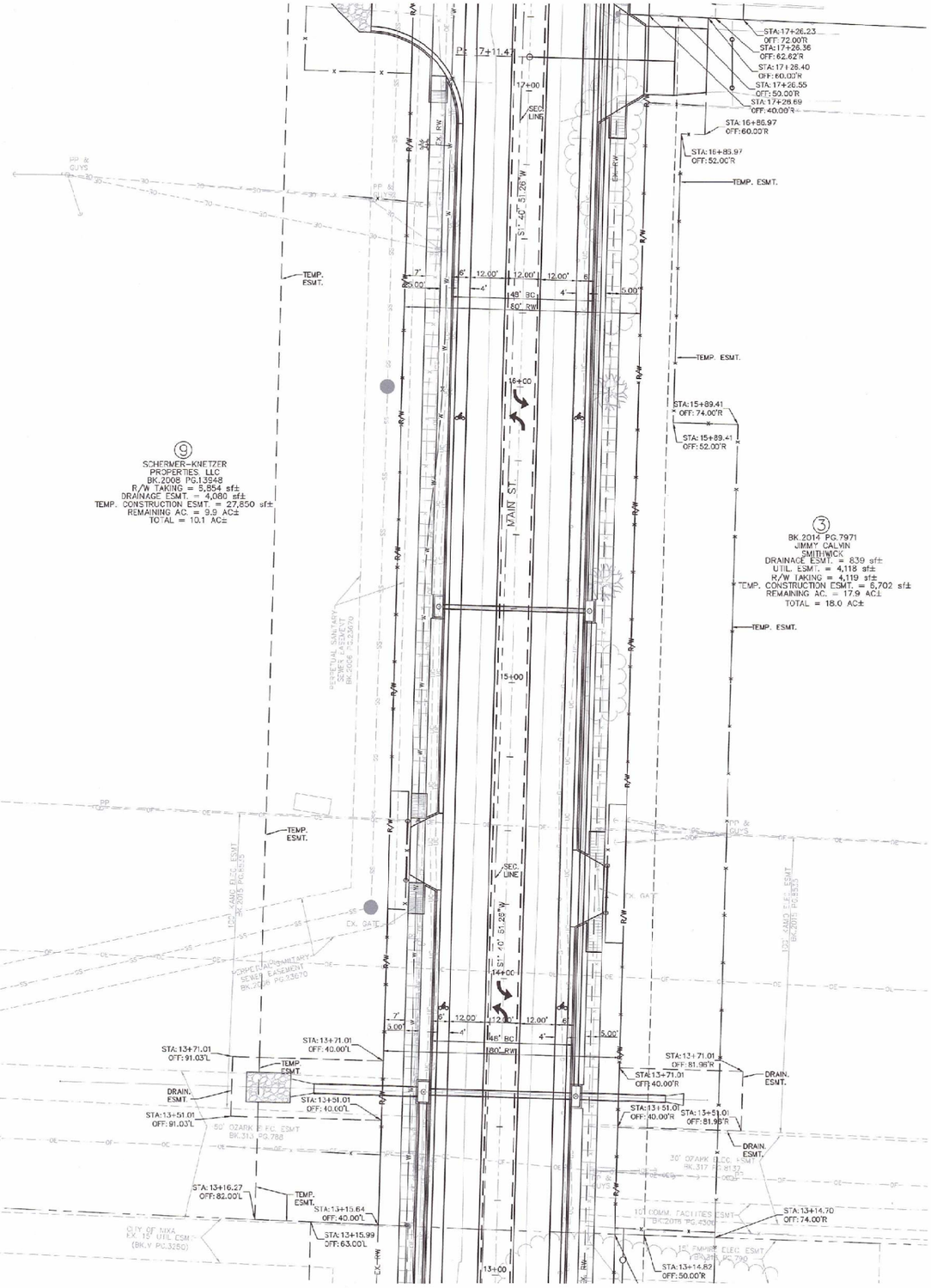
MAIN ST. RIGHT OF WAY PLAN

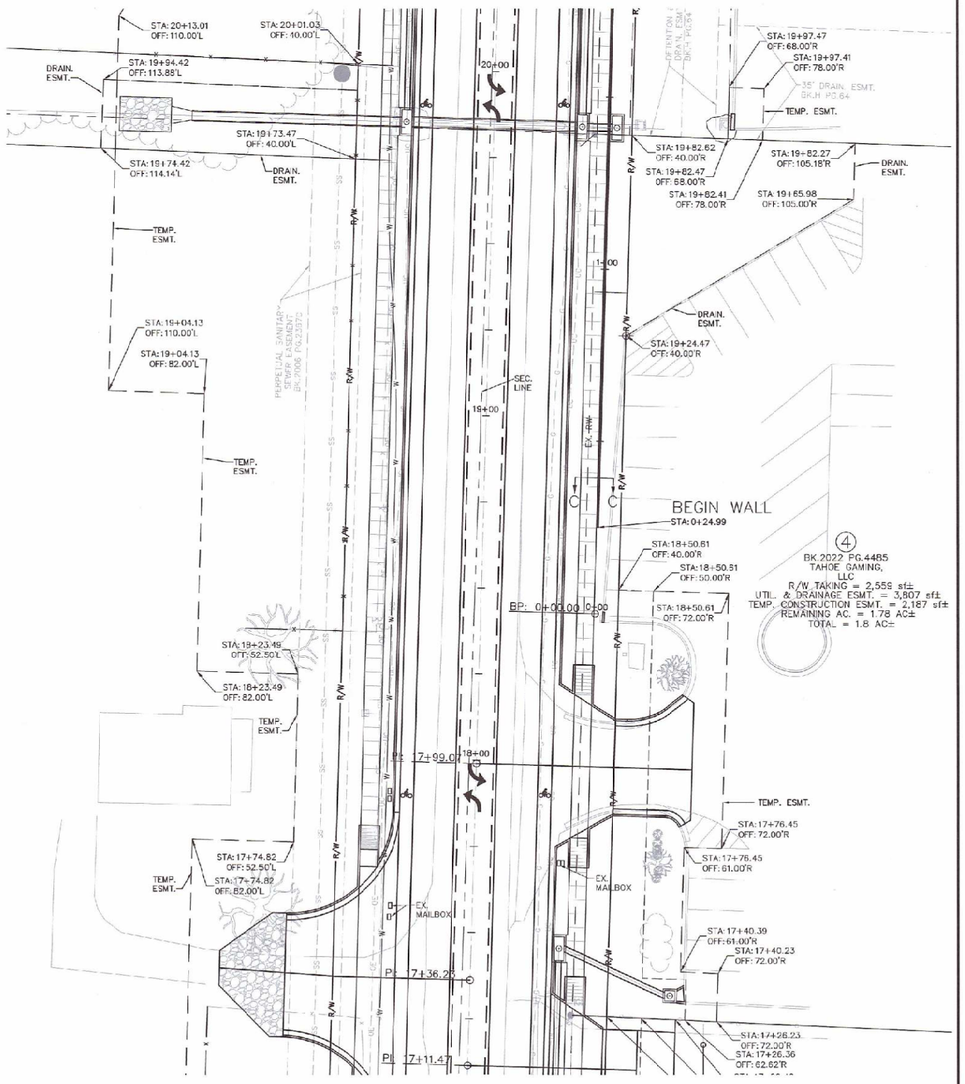
DESIGN BY	JCMH
DRAWN BY	GSM
CHK'D BY	JCMH
DATE	MAY 2023
SCALE	AS SHOWN

REVISIONS

JOB NO. 222013

SHEET RW 02





Federal Project Number: STBG-9901(831)

MAIN ST. IMPROVEMENTS
FROM TRACKER RD. TO HWY CC

Nixa, Christian County, Missouri

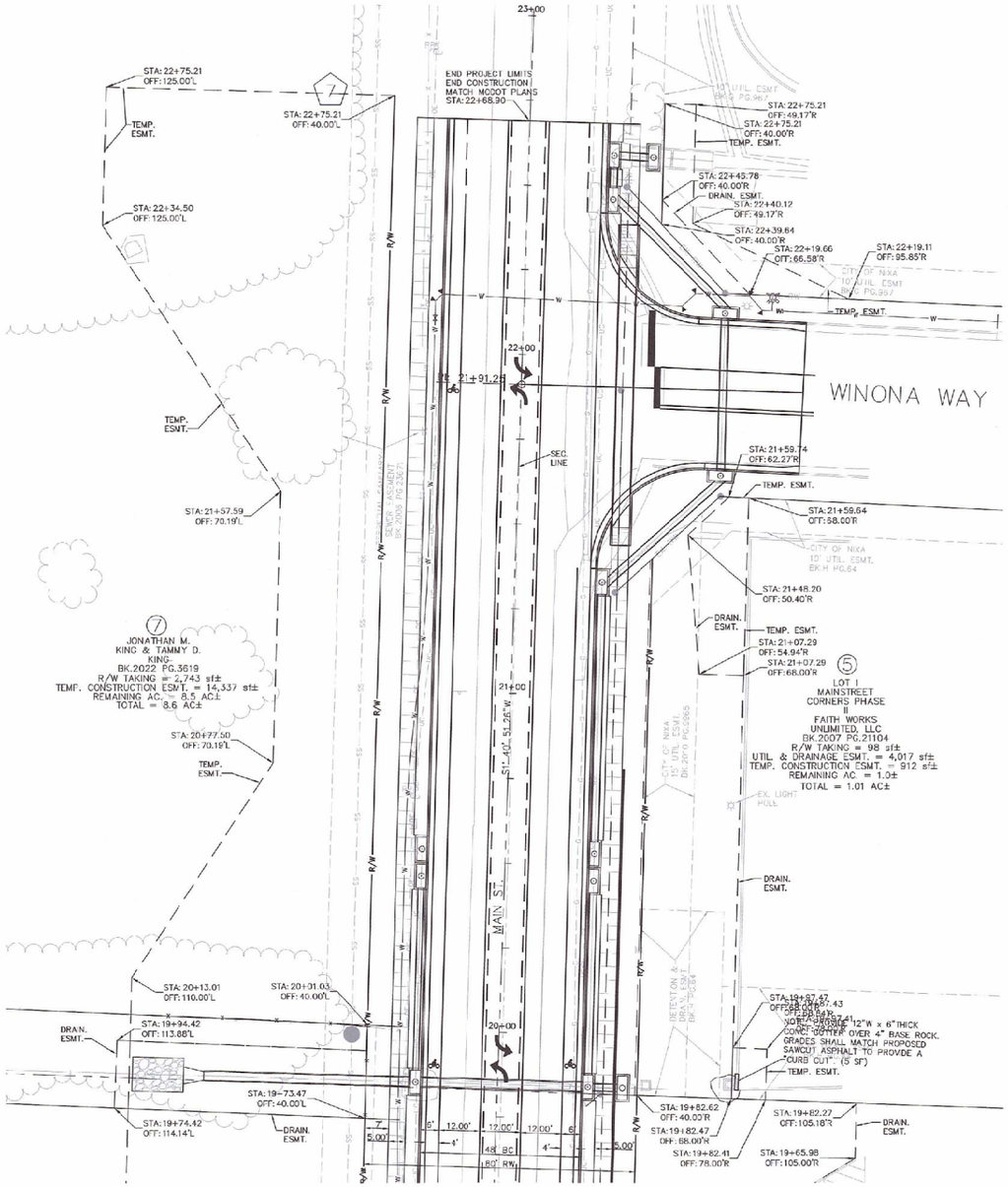
J. CLAYTON M. HINES E-29756
REGISTERED PROFESSIONAL ENGINEER
STATE OF MISSOURI
J. CLAYTON M. HINES
NUMBER E-29756
4-30-24

SHAFFER & HINES, INC.
CERTIFICATE OF AUTHORITY
LICENSE NO. 001665

SHAFFER&HINES
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 - Fax: (417) 725-5230
Email: chines@shafferhines.com

MAIN ST.
RIGHT OF WAY
PLAN

DESIGN BY	JCMH
DRAWN BY	GSM
CHK'D BY	JCMH
DATE	MAY 2023
SCALE	AS SHOWN
REVISIONS	
JOB NO.	222013
SHEET	RW 03



MAIN ST. - RIGHT OF WAY PLAN

SCALE: HOR. 1" = 40'

Federal Project Number: STBG-9901(831)

NORTH

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP-CALL BEFORE YOU DIG!

MAIN ST. IMPROVEMENTS
FROM TRACKER RD. TO HWY CC

NIXA
Nixa, Christian County, Missouri

J. CLAYTON M. HINES E-29799
REGISTERED ENGINEER
STATE OF MISSOURI
4-30-24

SHAFFER & HINES, INC.
CERTIFICATE OF AUTHORITY
LICENSE NO. 001665

SHAFFER & HINES
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 - Fax: (417) 725-5230
Email: clhines@shaffer-hines.com

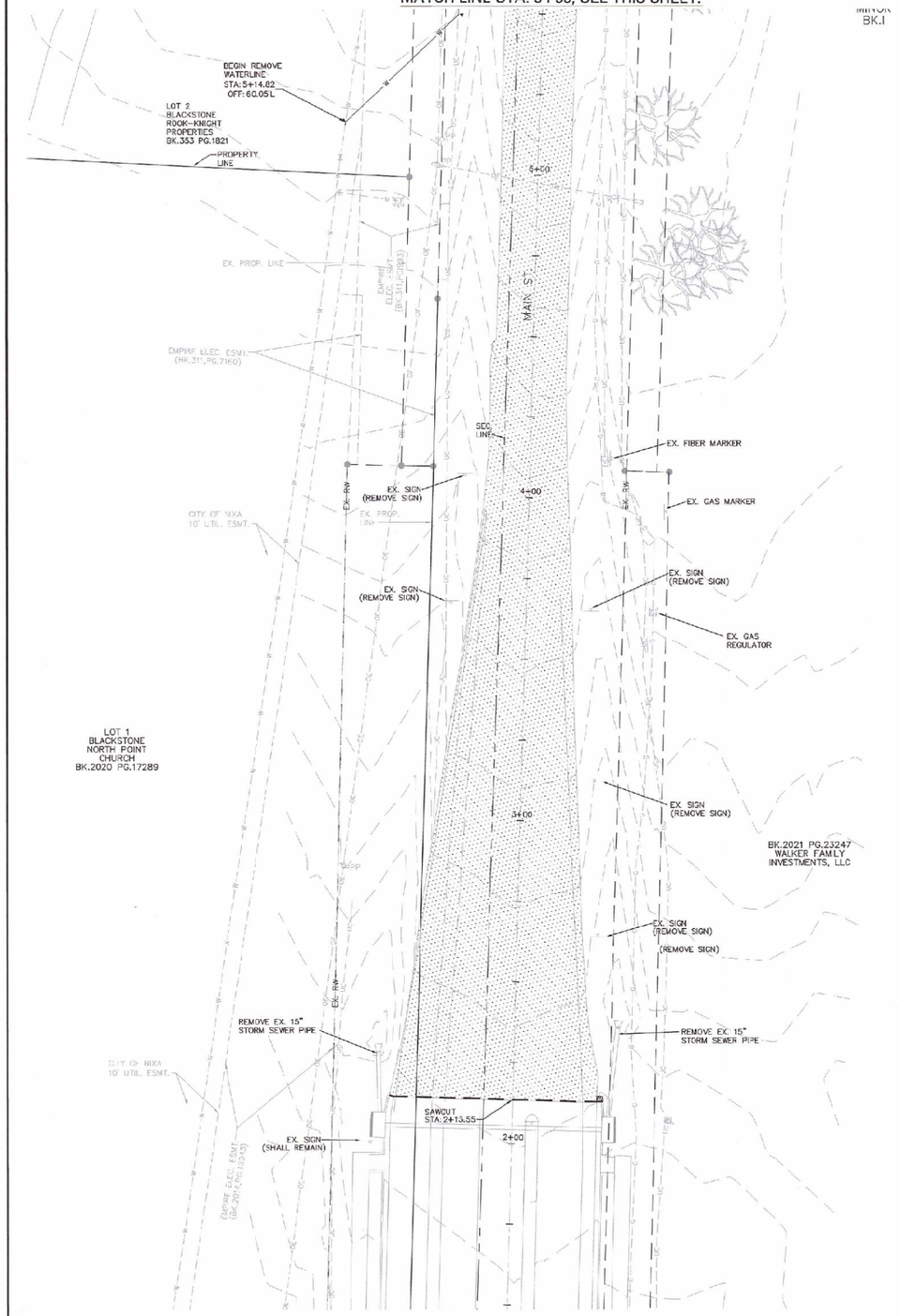
MAIN ST.
RIGHT OF WAY
PLAN

DESIGN BY	JCMH
DRAWN BY	GSM
CHK'D BY	JCMH
DATE	MAY 2023
SCALE	AS SHOWN

REVISIONS

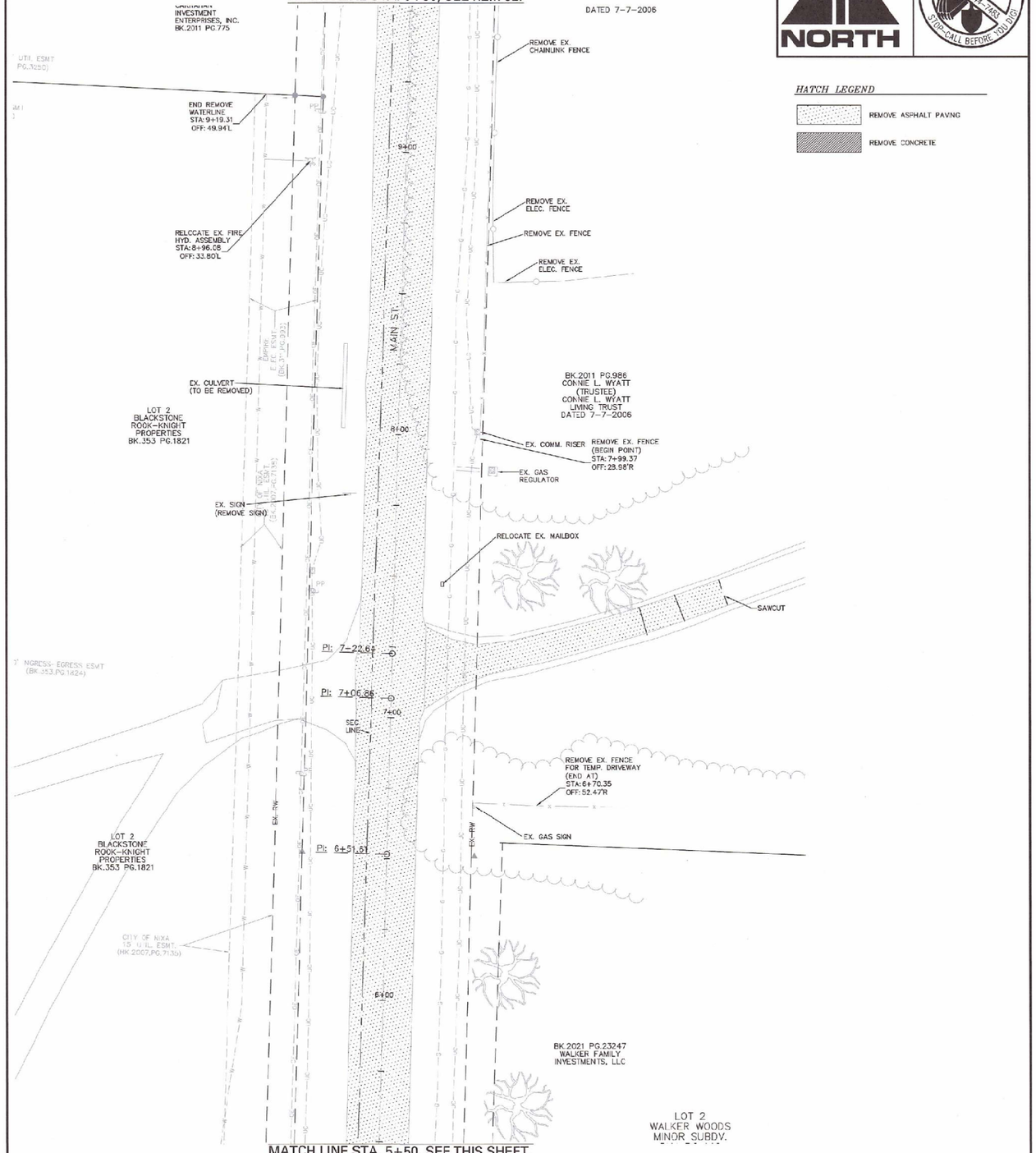
JOB NO.
222013

SHEET
RW 04



REMOVAL PLAN

SCALE: HOR. 1" = 20'



REMOVAL PLAN

SCALE: HOR. 1" = 20'

HATCH LEGEND

- REMOVE ASPHALT PAVNG
- REMOVE CONCRETE

NORTH

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP-CALL BEFORE YOU DIG!

MAIN ST. IMPROVEMENTS FROM TRACKER RD. TO HWY CC

Nixa, Christian County, Missouri

J. CLAYTON W. HINES E-29799 REGISTERED PROFESSIONAL ENGINEER

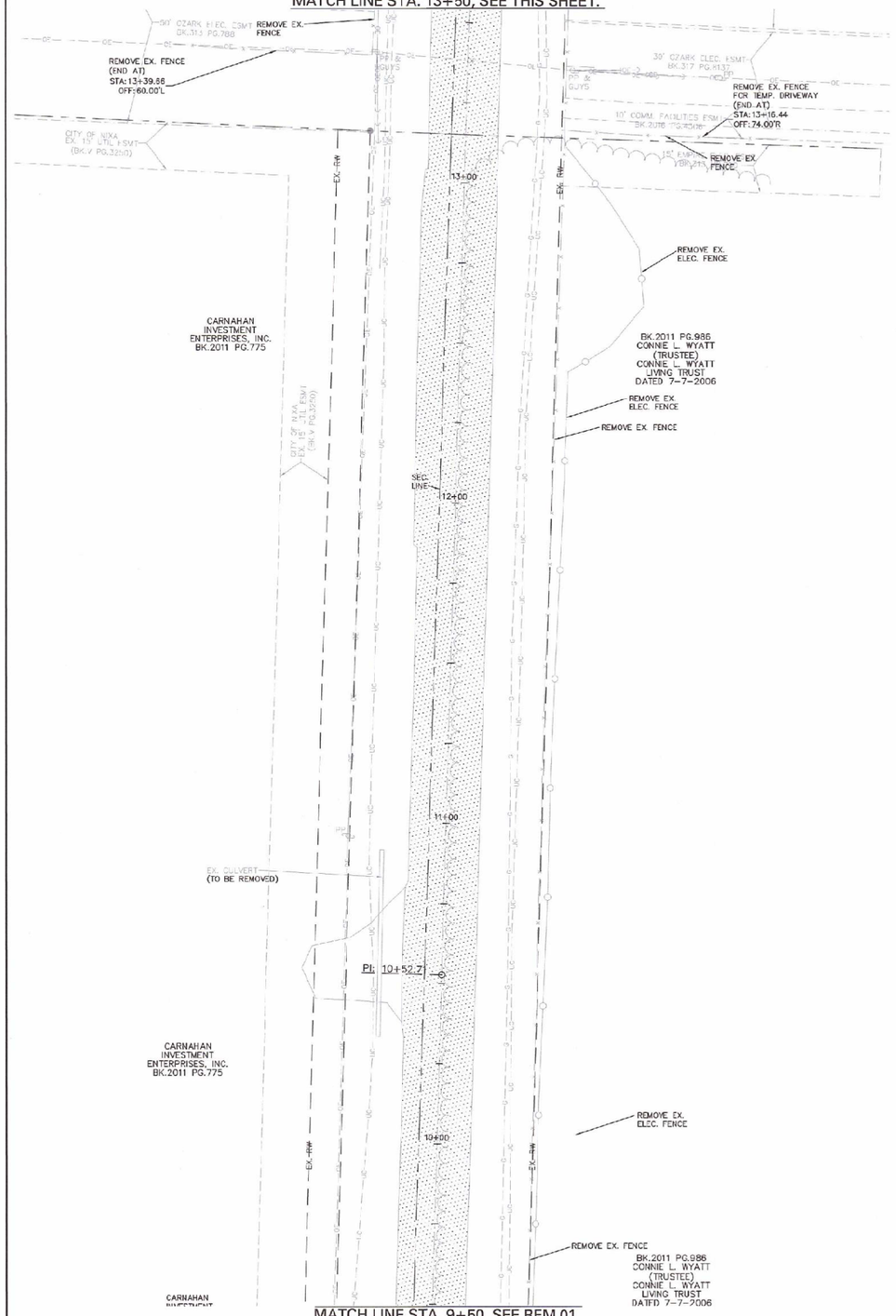
SHAFFER & HINES, INC. CERTIFICATE OF AUTHORITY LICENSE NO. 001665

SHAFFER & HINES
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 - Fax: (417) 725-5230
Email: chines@shaffer-hines.com

MAIN ST. REMOVAL PLAN

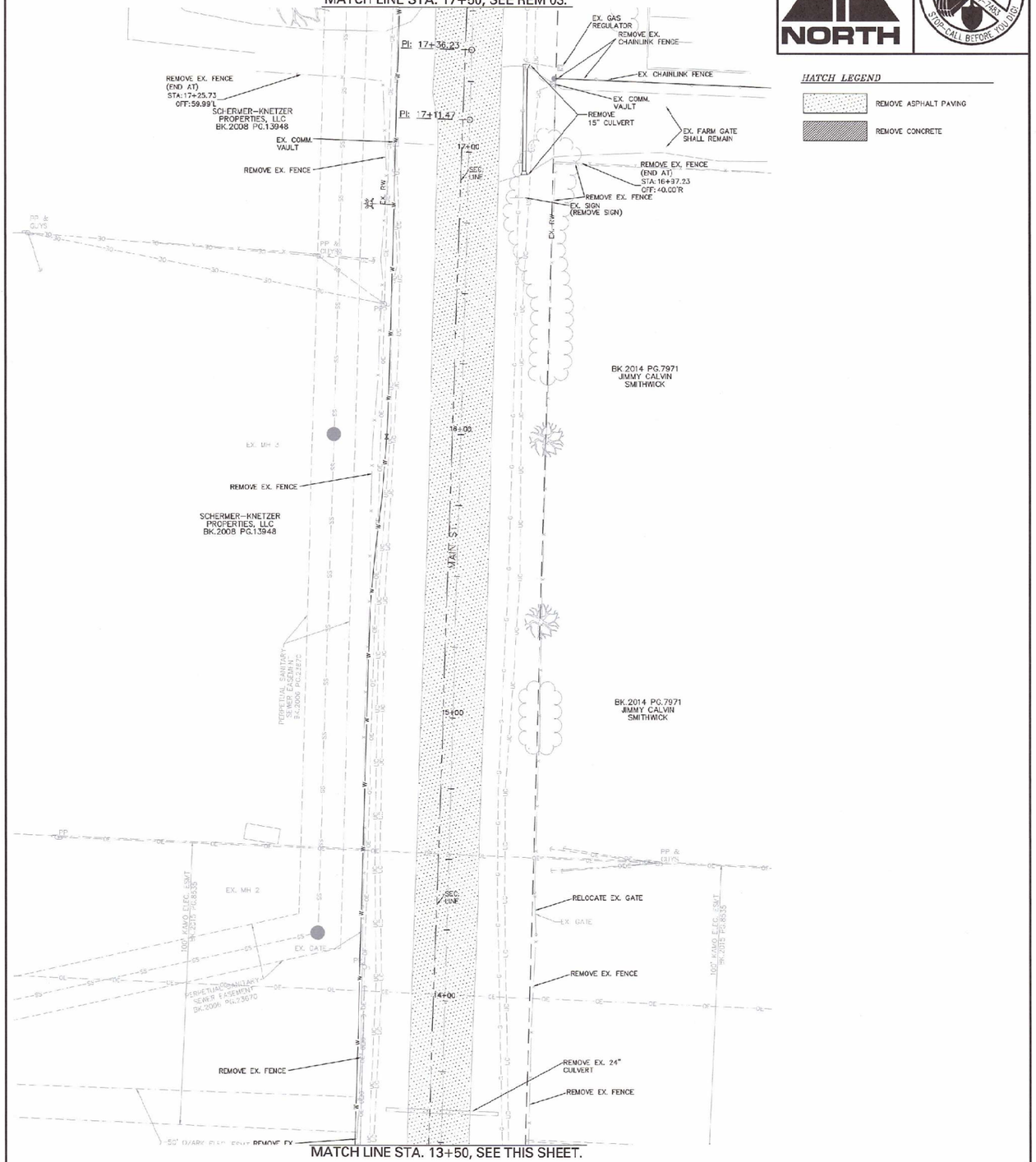
DESIGN BY	JCM!!
DRAWN BY	GSM
CHK'D BY	JCM!!
DATE	MAY 2023
SCALE	AS SHOWN
REVISIONS	
JOB NO.	222013
SHEET	REM 01

Federal Project Number: STBG-9901(831)



REMOVAL PLAN

SCALE: HOR. 1" = 20'



REMOVAL PLAN

SCALE: HOR. 1" = 20'

HATCH LEGEND

- REMOVE ASPHALT PAVING
- REMOVE CONCRETE

NORTH

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP-CALL BEFORE YOU DIG!

MAIN ST. IMPROVEMENTS FROM TRACKER RD. TO HWY CC

NIXA

Nixa, Christian County, Missouri

J. CLAYTON M. HINES E-29799 — REGISTERED PROFESSIONAL ENGINEER — STATE OF MISSOURI

SHAFFER & HINES, INC. CERTIFICATE OF AUTHORITY LICENSE NO. 001665

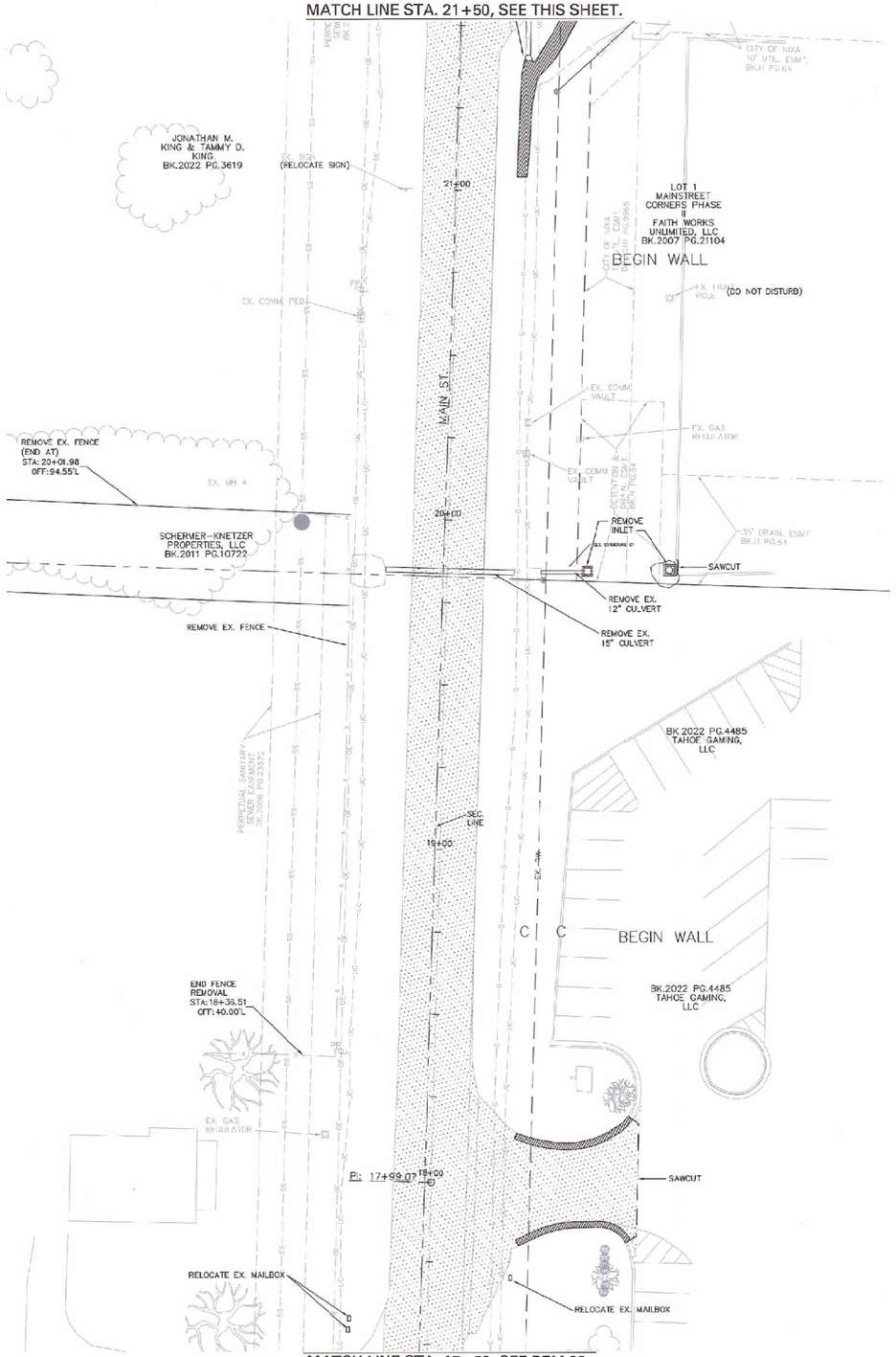
SHAFFER & HINES
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 - Fax: (417) 725-5230
Email: chines@shaffer-hines.com

MAIN ST. REMOVAL PLAN

DESIGN BY	JCMH
DRAWN BY	GSM
CHKD BY	JCMH
DATE	MAY 2023
SCALE	AS SHOWN
REVISIONS	
JOB NO.	222013
SHEET	REM 02

Federal Project Number: STBG-9901(831)

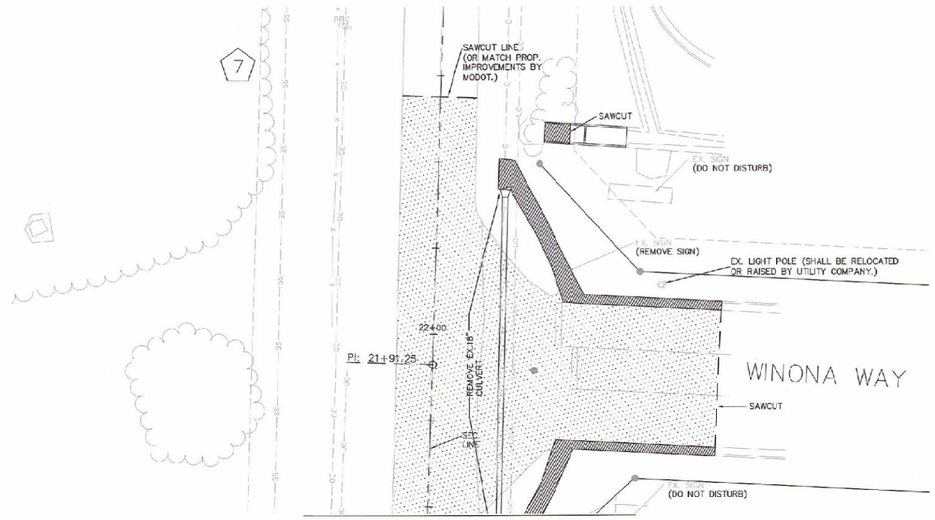
MATCH LINE STA. 21+50, SEE THIS SHEET.



MATCH LINE STA. 17+50, SEE REM 03.

REMOVAL PLAN

SCALE: HOR. 1" = 20'



MATCH LINE STA. 21+50, SEE THIS SHEET.

REMOVAL PLAN

SCALE: HOR. 1" = 20'

Federal Project Number: STBG-9901(831)

HATCH LEGEND

- REMOVE ASPHALT PAVING
- REMOVE CONCRETE

NORTH

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP-CALL BEFORE YOU DIG

MAIN ST. IMPROVEMENTS FROM TRACKER RD. TO HWY CC

NIXA

Nixa, Christian County, Missouri

J. CLAYTON W. HINES NUMBER E-29799 DATE 05-04-23 REGISTERED PROFESSIONAL ENGINEER

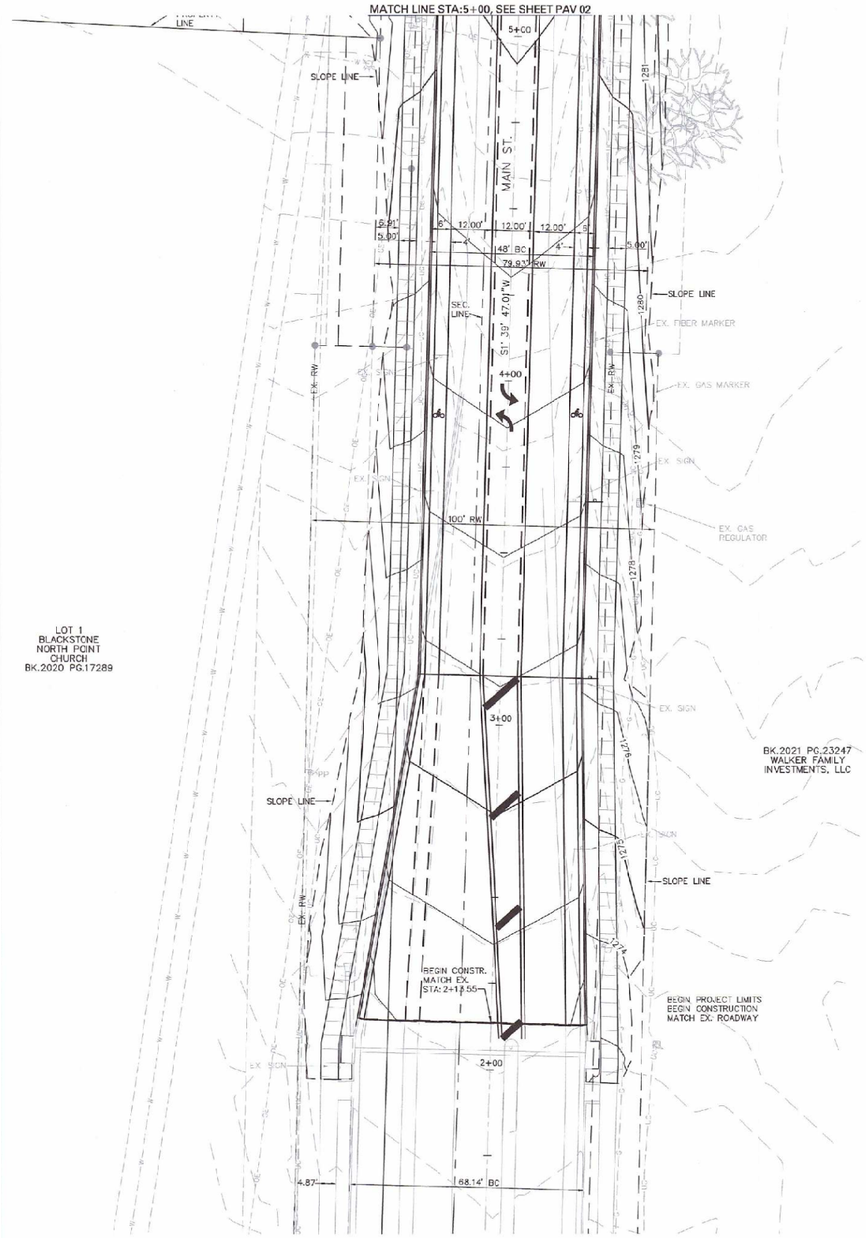
J. CLAYTON W. HINES E-29799

SHAFFER & HINES, INC. CERTIFICATE OF AUTHORITY LICENSE NO. 001665

SHAFFER & HINES
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 - Fax: (417) 725-5230
Email: chines@shaffehines.com

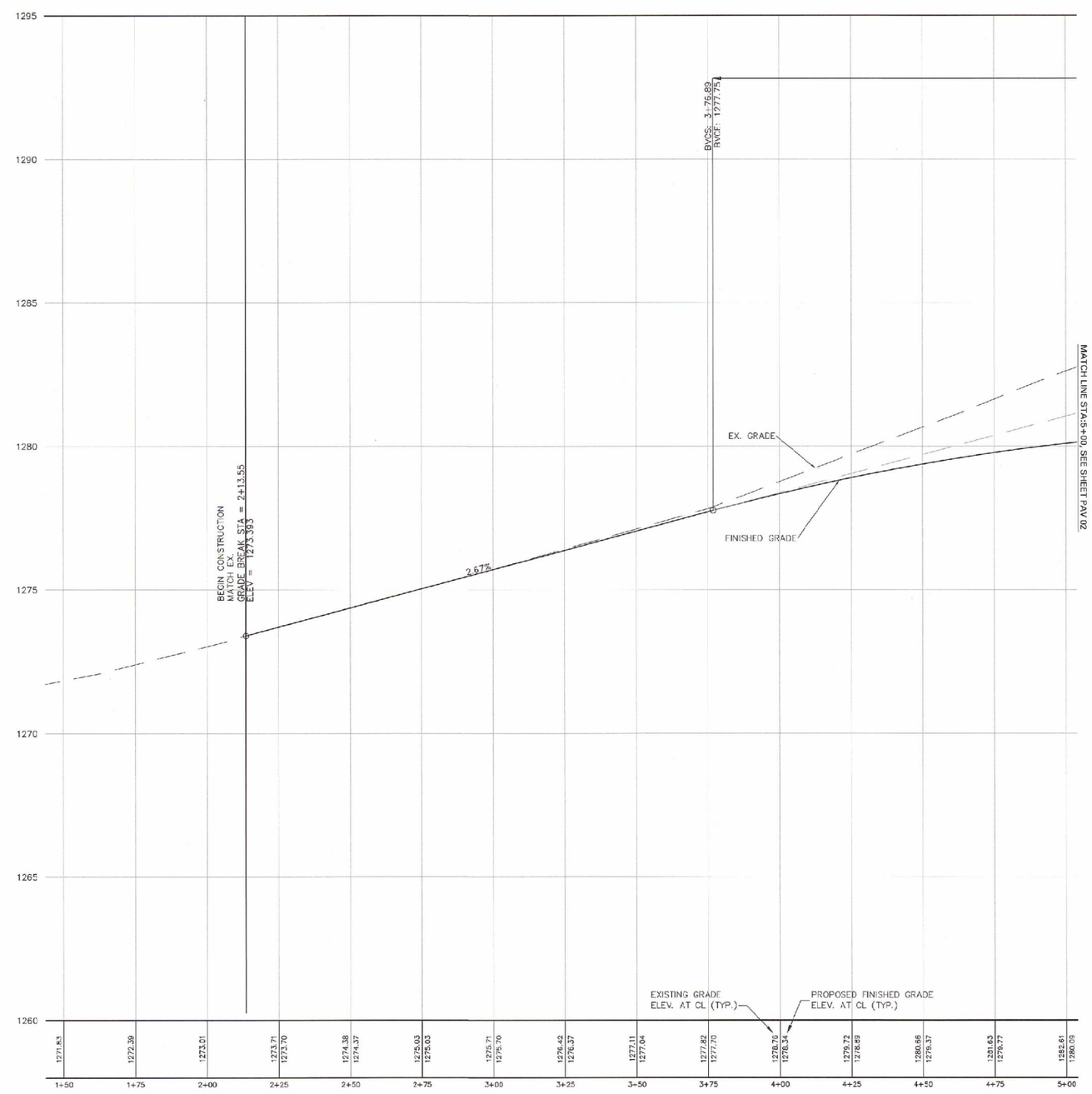
MAIN ST. REMOVAL PLAN

DESIGN BY	JCMH
DRAWN BY	GSM
CHK'D BY	JCMH
DATE	MAY 2023
SCALE	AS SHOWN
REVISIONS	
JOB NO.	222013
SHEET	REM 03



MAIN ST. - PLAN

SCALE: HOR. 1" = 20'



MAIN ST. - PROFILE

SCALE: HOR. 1" = 20'
VERT. 1" = 2'

Federal Project Number: STBG-9901(831)

NORTH

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP! CALL BEFORE YOU DIG!

MAIN ST. IMPROVEMENTS
FROM TRACKER RD. TO HWY CC

NIXA

Nixa, Christian County, Missouri

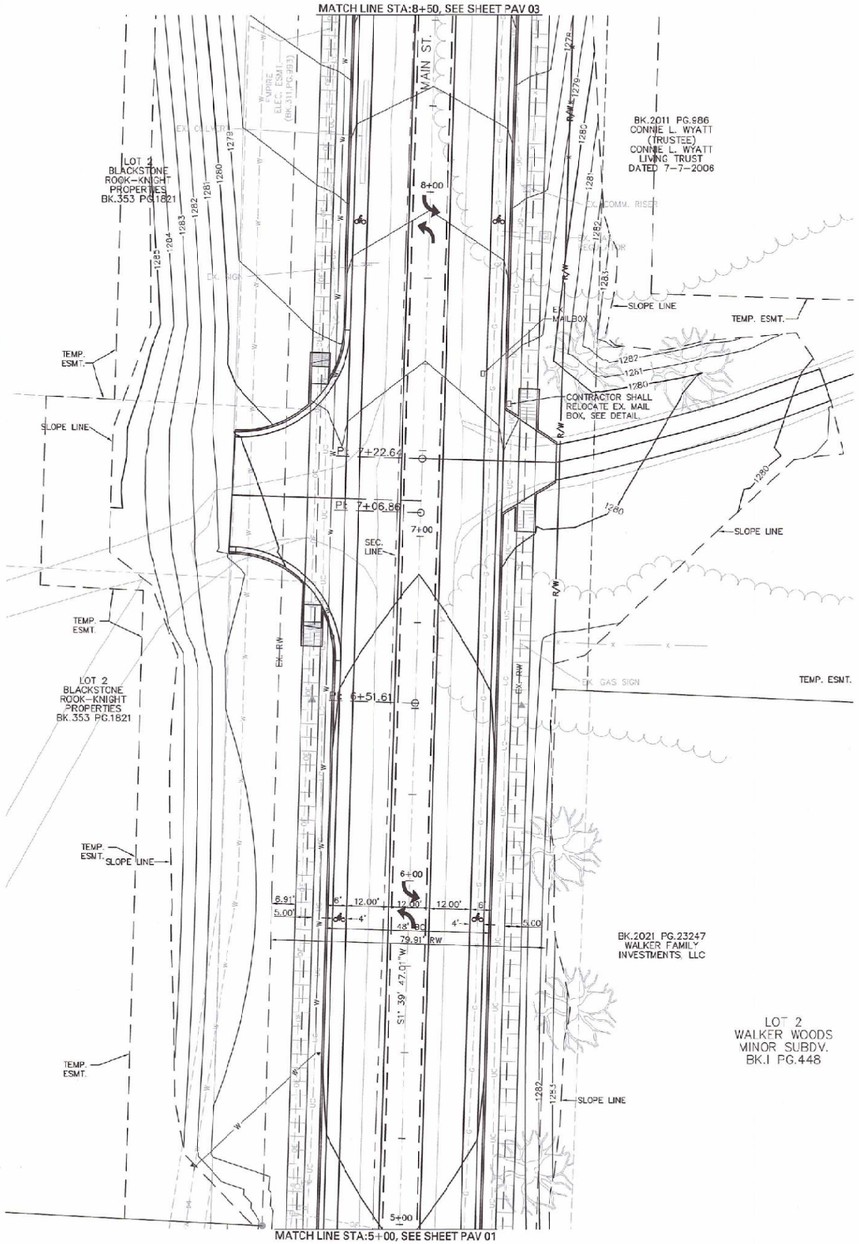
J. CLAYTON M. HINES E-29796

SHAFFER & HINES, INC.
CERTIFICATE OF AUTHORITY
LICENSE NO. 001665

SHAFFER & HINES
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 - Fax: (417) 725-5230
Email: chines@shaffer-hines.com

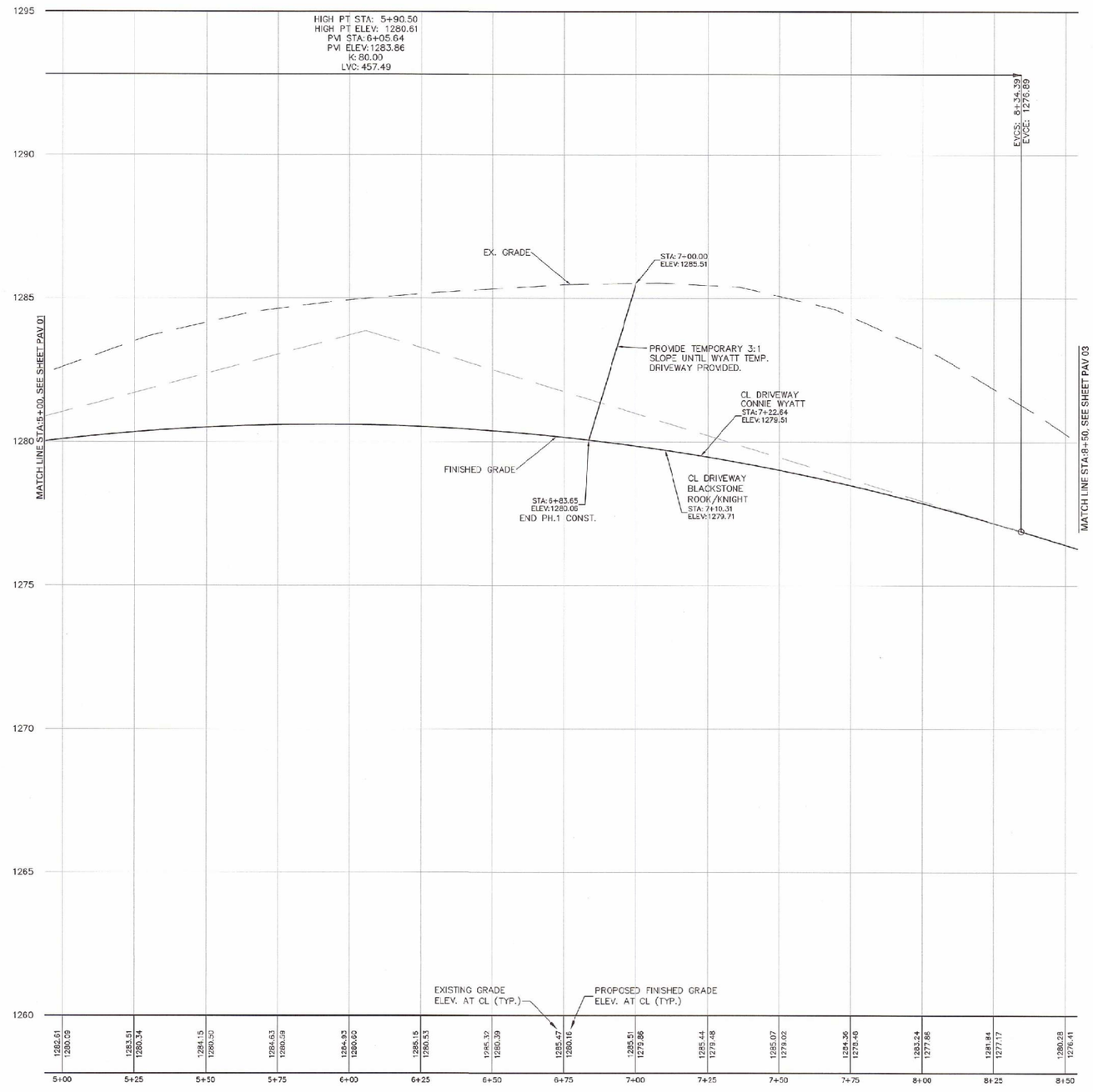
MAIN ST.
PLAN / PROFILE
STA:1+50-STA:5+00

DESIGN BY	JCMH
DRAWN BY	CSM
CHKD BY	JCMH
DATE	MAY 2023
SCALE	AS SHOWN
REVISIONS	
JOB NO.	222013
SHEET	PAV 01



MAIN ST. - PLAN

SCALE: HOR. 1" = 20'



MAIN ST. - PROFILE

SCALE: HOR. 1" = 20'
VERT. 1" = 2'

Federal Project Number: STBG-9901(831)

NORTH

MISSOURI ONE CALL SYSTEM INC. 1-800-344-7483 STOP-CALL BEFORE YOU DIG!

MAIN ST. IMPROVEMENTS
FROM TRACKER RD. TO HWY CC

NIXA

Nixa, Christian County, Missouri

J. CLAYTON HINES NUMBER E-29799 REGISTERED PROFESSIONAL ENGINEER

J. CLAYTON HINES E-29799

SHAFFER & HINES, INC.
CERTIFICATE OF AUTHORITY
LICENSE NO. 001665

SHAFFER & HINES
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 - Fax: (417) 725-5230
Email: chines@shafferhines.com

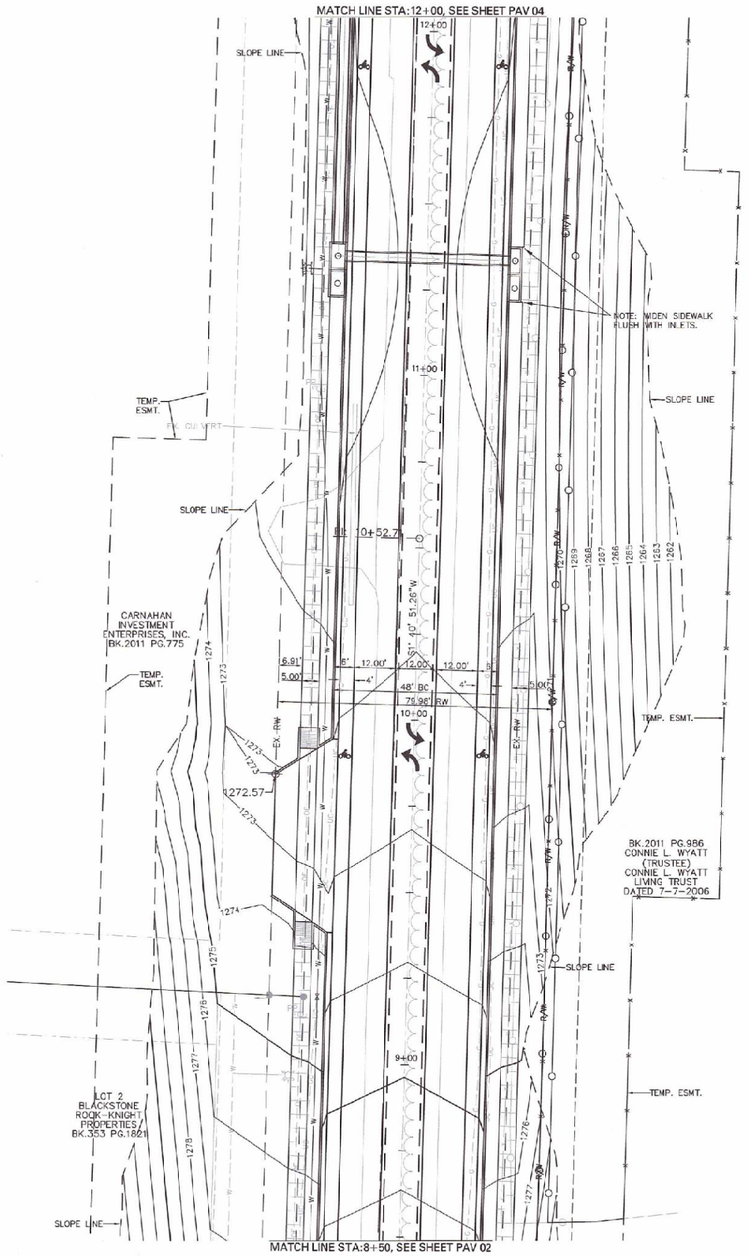
MAIN ST.
PLAN / PROFILE
STA:5+00-STA:8+50

DESIGN BY	JCMH
DRAWN BY	GSM
CHK'D BY	JCMH
DATE	MAY 2023
SCALE	AS SHOWN

REVISIONS

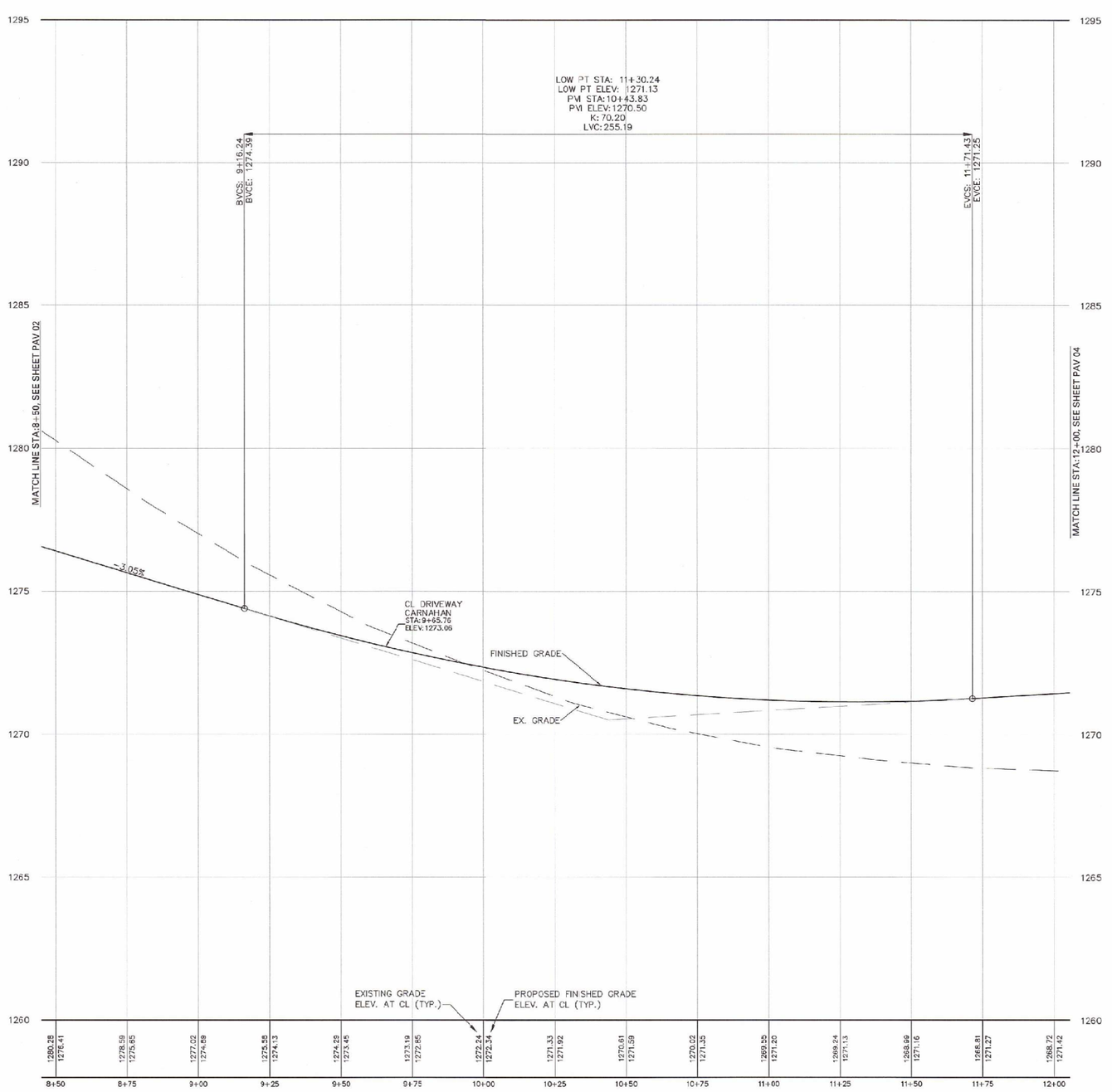
JOB NO. 222013

SHEET PAV 02



MAIN ST. - PLAN

SCALE: HOR. 1" = 20'



MAIN ST. - PROFILE

SCALE: HOR. 1" = 20'
VERT. 1" = 2'

Federal Project Number: STBG-9901(831)

NORTH

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP-CALL BEFORE YOU DIG!

MAIN ST. IMPROVEMENTS
FROM TRACKER RD. TO HWY CC

NIXA

Nixa, Christian County, Missouri

J. CLAYTON M. HINES NUMBER E-28799 STATE OF MISSOURI REGISTERED PROFESSIONAL ENGINEER

J. CLAYTON M. HINES E-28799

SHAFFER & HINES, INC.
CERTIFICATE OF AUTHORITY
LICENSE NO. 001665

SHAFFER & HINES
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 - Fax: (417) 725-5230
Email: chines@shafferhines.com

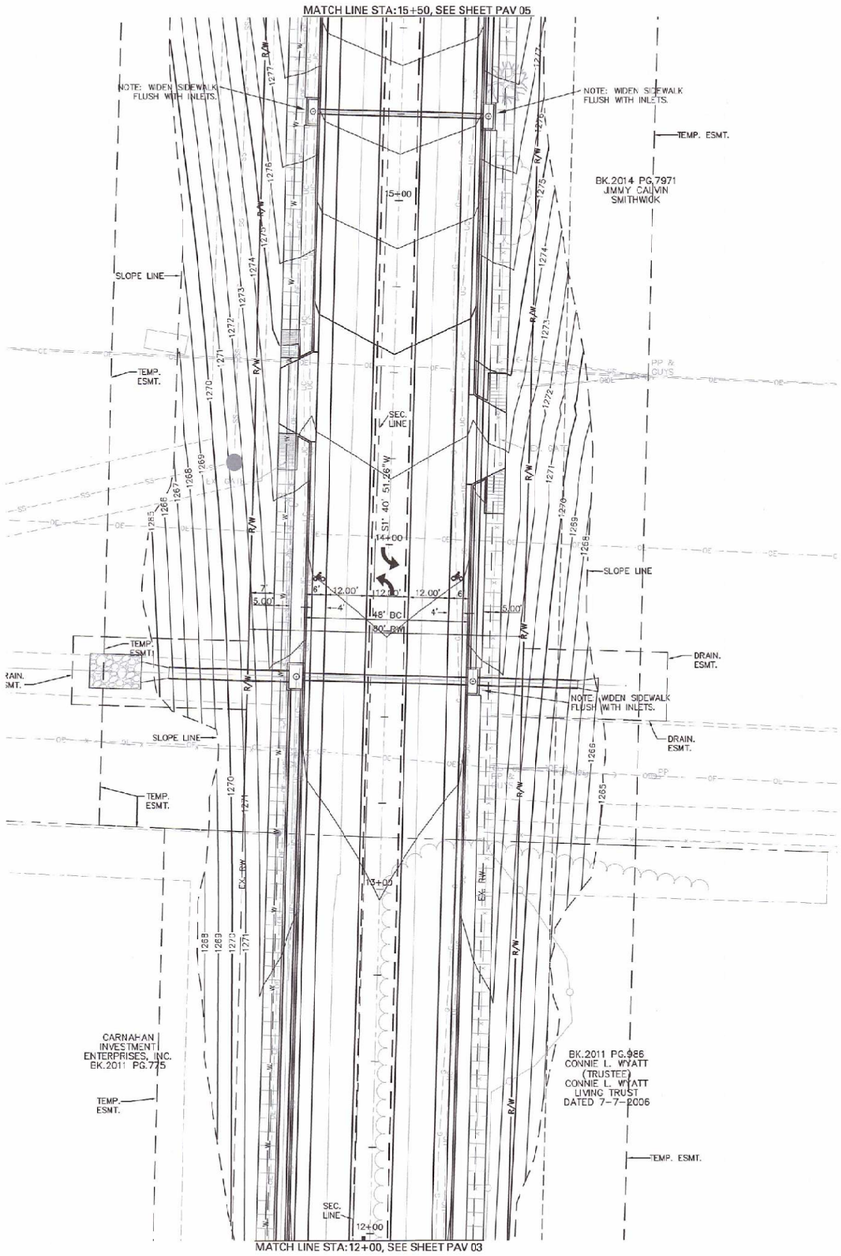
MAIN ST.
PLAN / PROFILE
STA:8+50-STA:12+00

DESIGN BY JCMH
DRAWN BY GSM
CHK'D BY JCMH
DATE MAY 2023
SCALE AS SHOWN

REVISIONS

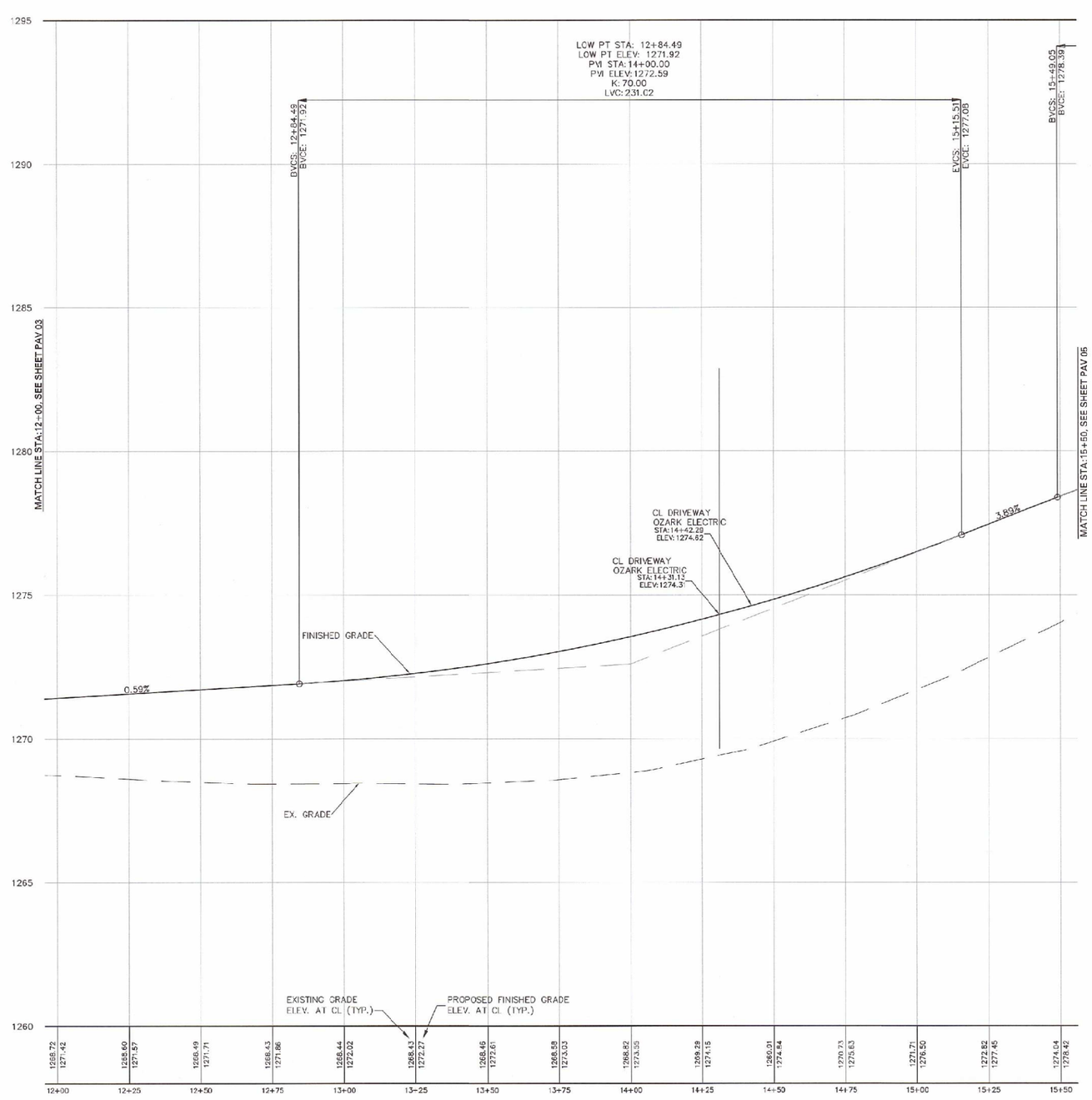
JOB NO.
222013

SHEET
PAV 03



MAIN ST. - PLAN

SCALE: HOR. 1" = 20'



MAIN ST. - PROFILE

SCALE: HOR. 1" = 20'
VERT. 1" = 2'

Federal Project Number: STBG-9901(831)

NORTH

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP-CALL BEFORE YOU DIG!

MAIN ST. IMPROVEMENTS
FROM TRACKER RD. TO HWY CC

NIXA

Nixa, Christian County, Missouri

J. CLAYTON W. HINES E-29739 REGISTERED PROFESSIONAL ENGINEER

SHAFFER & HINES, INC.
CERTIFICATE OF AUTHORITY
LICENSE NO. 001685

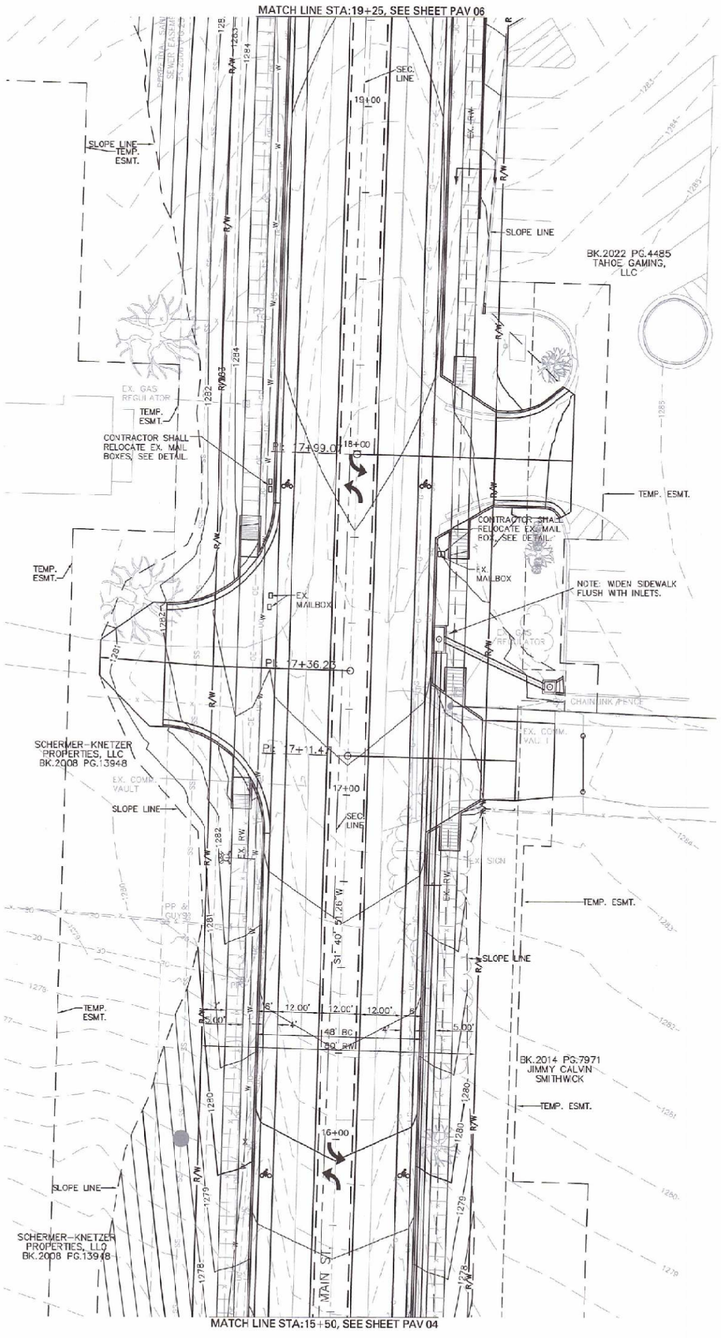
SHAFFER & HINES
CONSULTING ENGINEERS · REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 · Fax: (417) 725-5230
Email: chines@shaffehines.com

MAIN ST.
PLAN / PROFILE
STA:12+00-STA:15+50

DESIGN BY JCMH
DRAWN BY GSM
CHK'D BY JCMH
DATE MAY 2023
SCALE AS SHOWN
REVISIONS

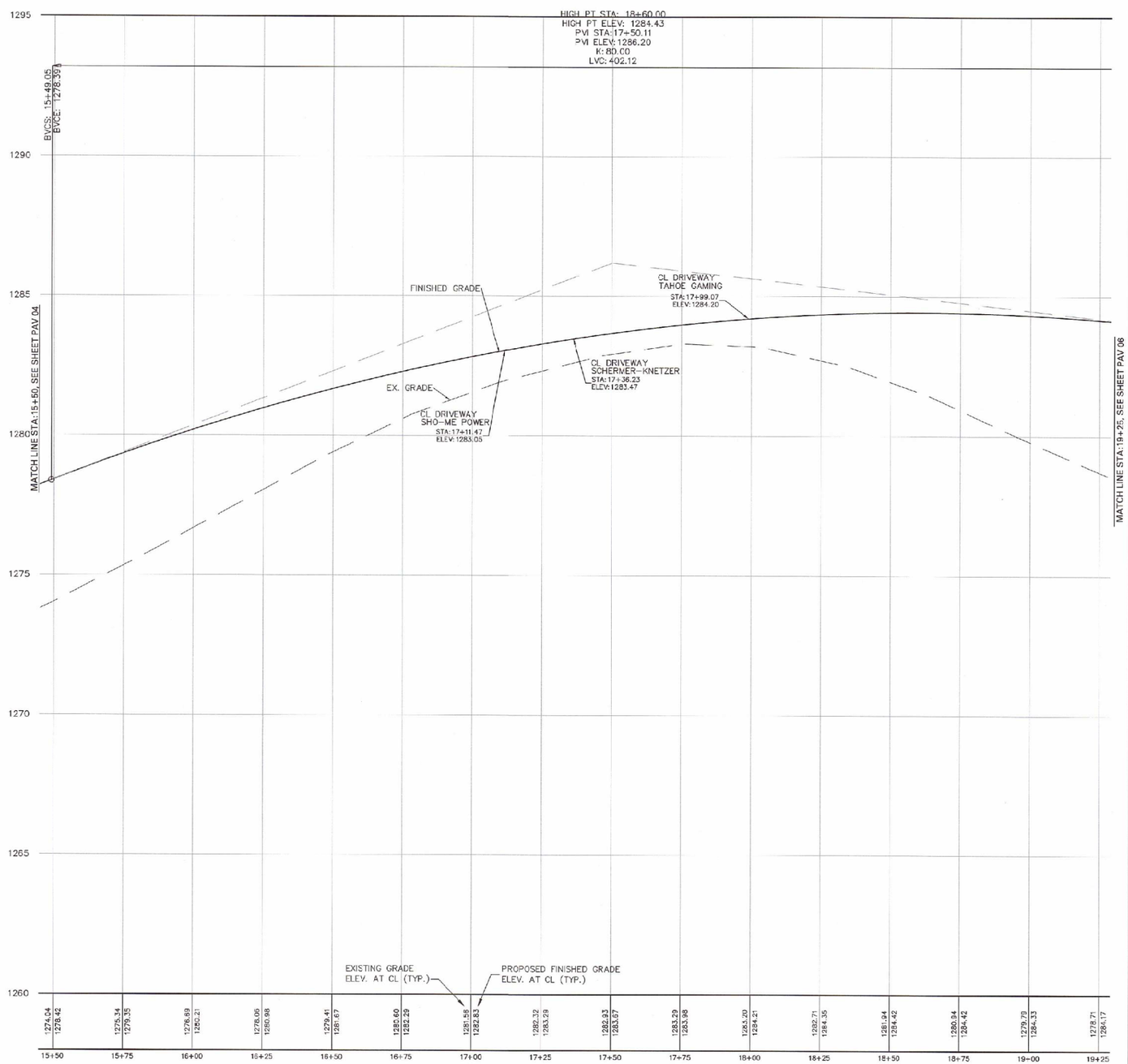
JOB NO.
222013

SHEET
PAV 04



MAIN ST. - PLAN

SCALE: HOR. 1" = 20'



MAIN ST. - PROFILE

SCALE: HOR. 1" = 20'
VERT. 1" = 2'

Federal Project Number: STBG-9901(831)

NORTH

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP-CALL BEFORE YOU DIG!

MAIN ST. IMPROVEMENTS
FROM TRACKER RD. TO HWY CC

NIXA

Nixa, Christian County, Missouri

J. CLAYTON MAINES NUMBER E-29799 REGISTERED PROFESSIONAL ENGINEER

SHAFFER & HINES, INC.
CERTIFICATE OF AUTHORITY
LICENSE NO. 001695

SHAFFER & HINES
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 - Fax: (417) 725-5230
Email: chines@shafferhines.com

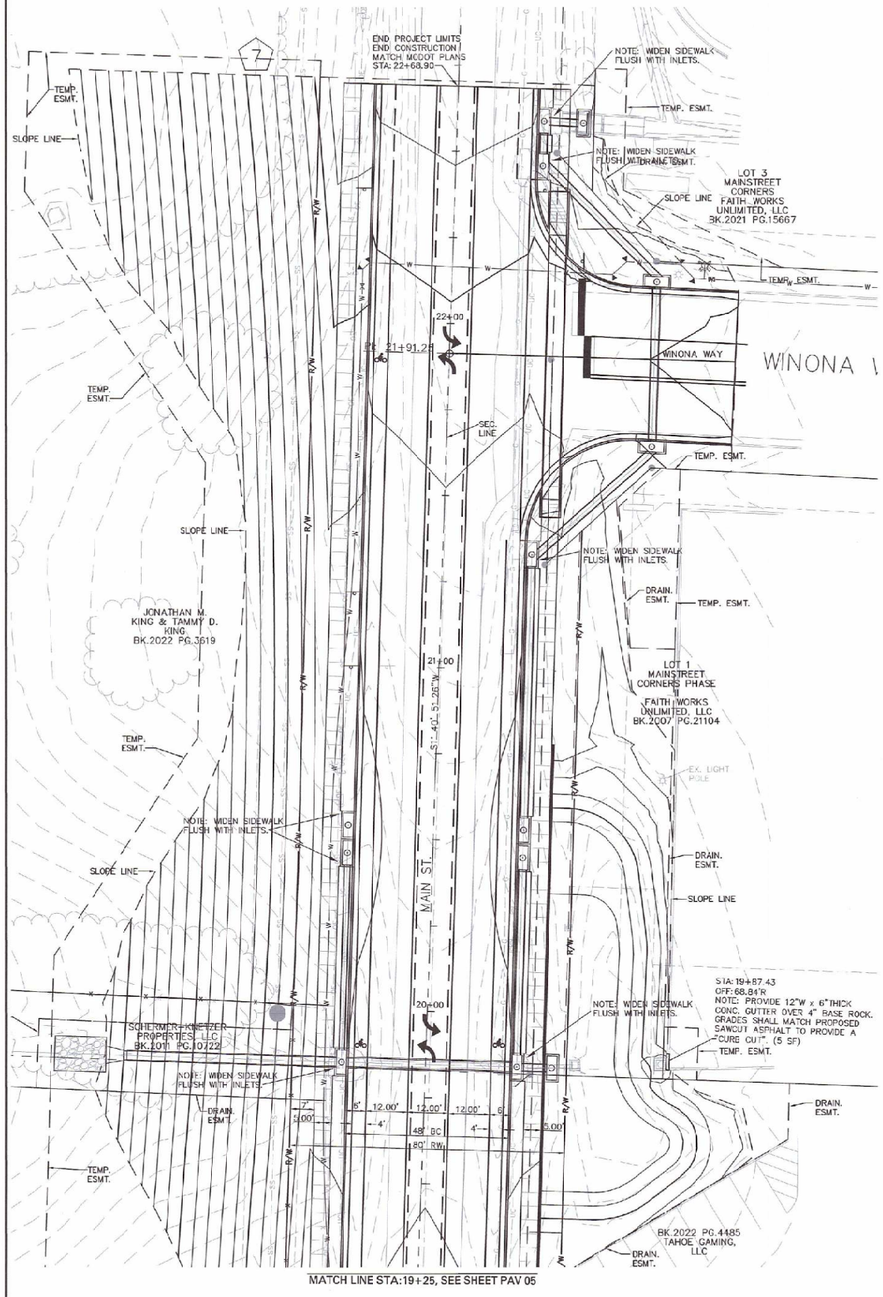
MAIN ST.
PLAN / PROFILE
STA:15+50-STA:19+25

DESIGN BY	JDMH
DRAWN BY	GSM
CHK'D BY	JDMH
DATE	MAY 2023
SCALE	AS SHOWN

REVISIONS

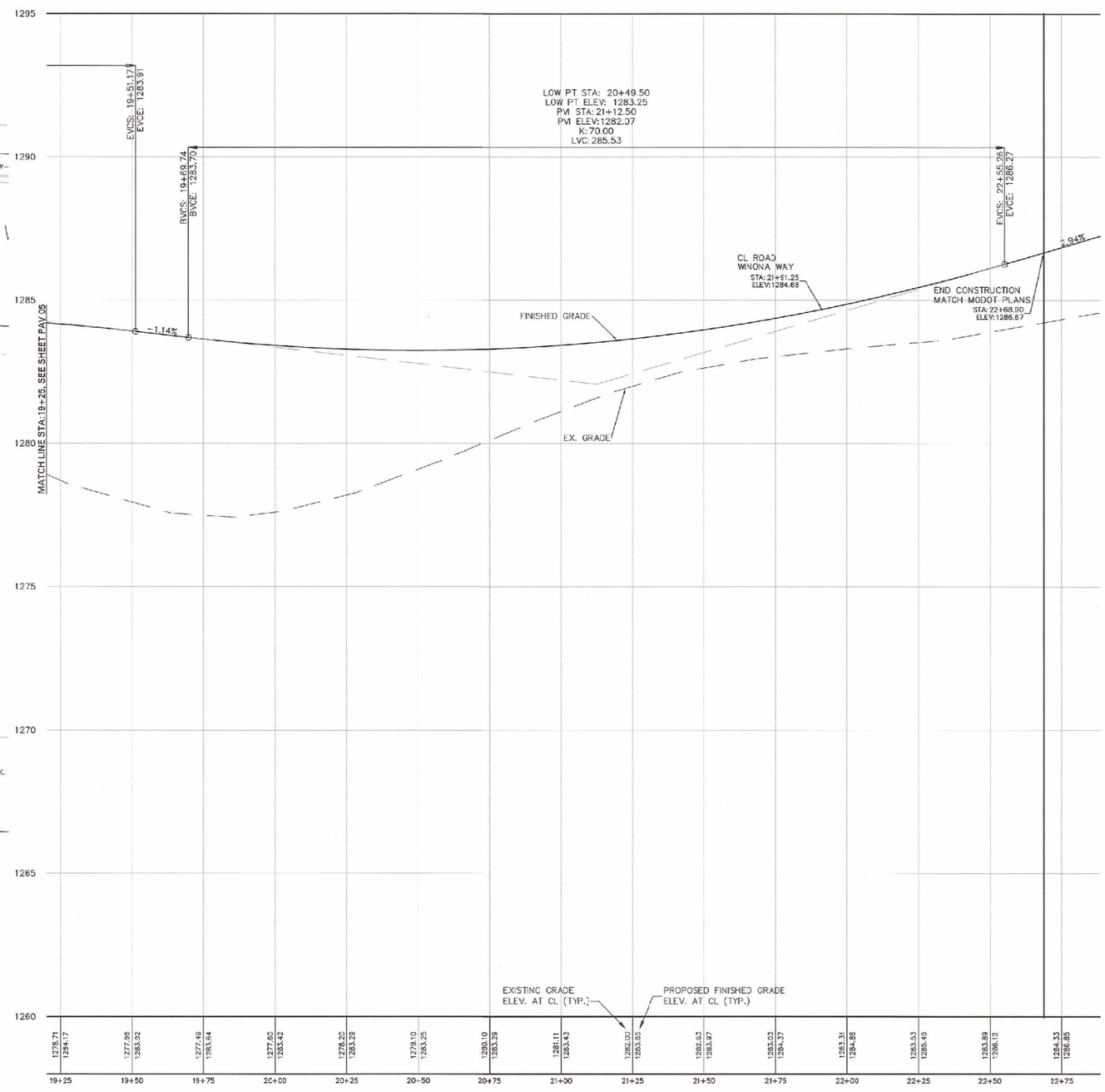
JOB NO. 222013

SHEET PAV 05



MAIN ST. - PLAN

SCALE: HOR. 1" = 20'



MAIN ST. - PROFILE

SCALE: HOR. 1" = 20'
VERT. 1" = 2'

Federal Project Number: STBG-9901(831)

NORTH

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP-CALL BEFORE YOU DIG!

MAIN ST. IMPROVEMENTS
FROM TRACKER RD. TO HWY CC

Nixa, Christian County, Missouri

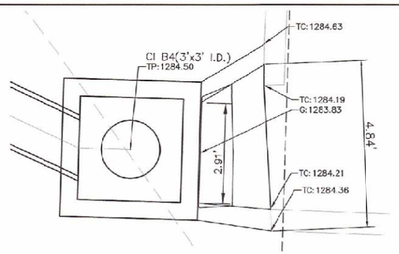
J. CLAYTON M. HINES E-29799
REGISTERED PROFESSIONAL ENGINEER
STATE OF MISSOURI

SHAFFER & HINES, INC.
CERTIFICATE OF AUTHORITY
LICENSE NO. 001665

SHAFFER & HINES
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 - Fax: (417) 725-5230
Email: chines@shafferhines.com

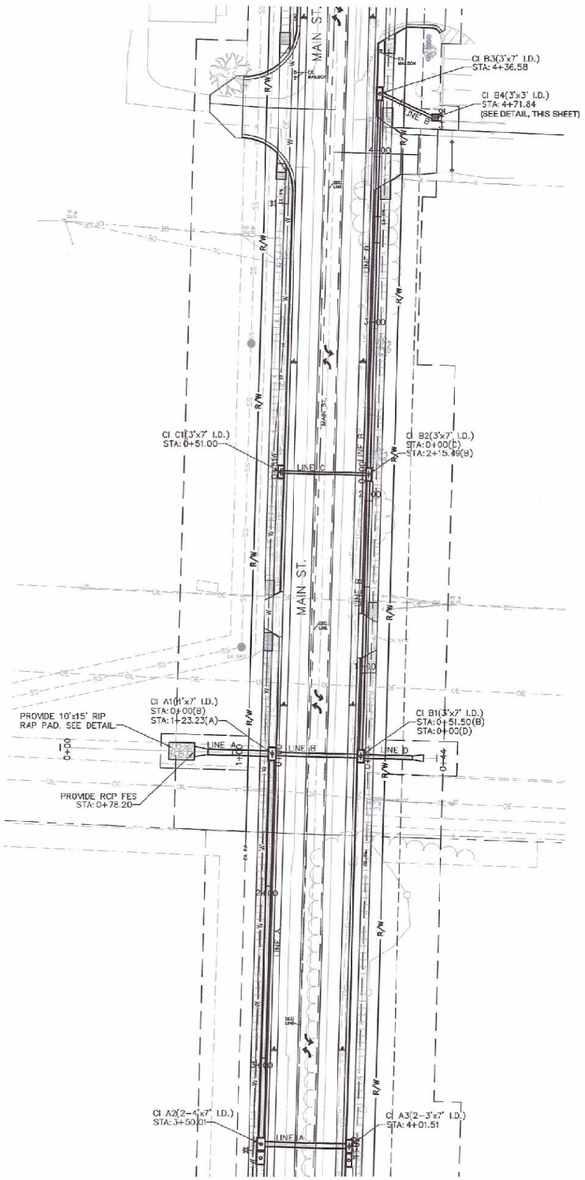
MAIN ST.
PLAN / PROFILE
STA:19+25-STA:22+68.90

DESIGN BY	JCMH
DRAWN BY	GSM
CHK'D BY	JCMH
DATE	MAY 2023
SCALE	AS SHOWN
REVISIONS	
JOB NO.	222013
SHEET	PAV 06



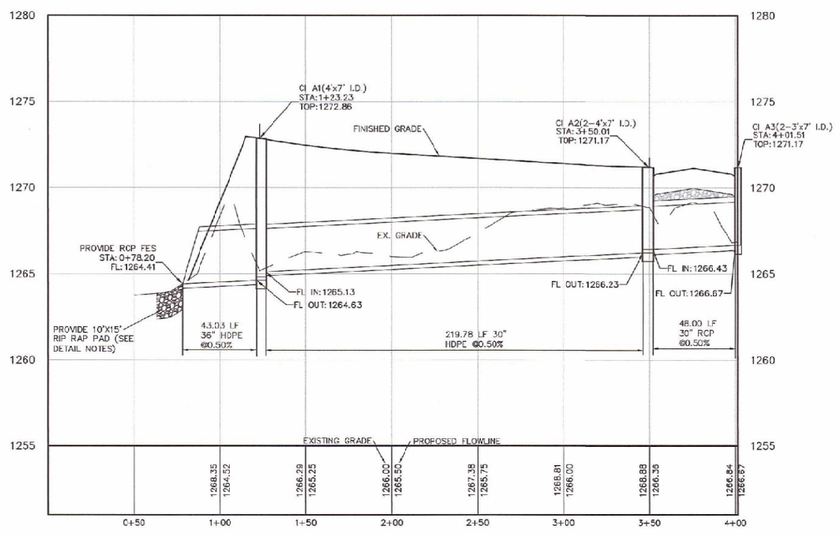
CURB INLET B4

SCALE: HOR. 1" = 2'



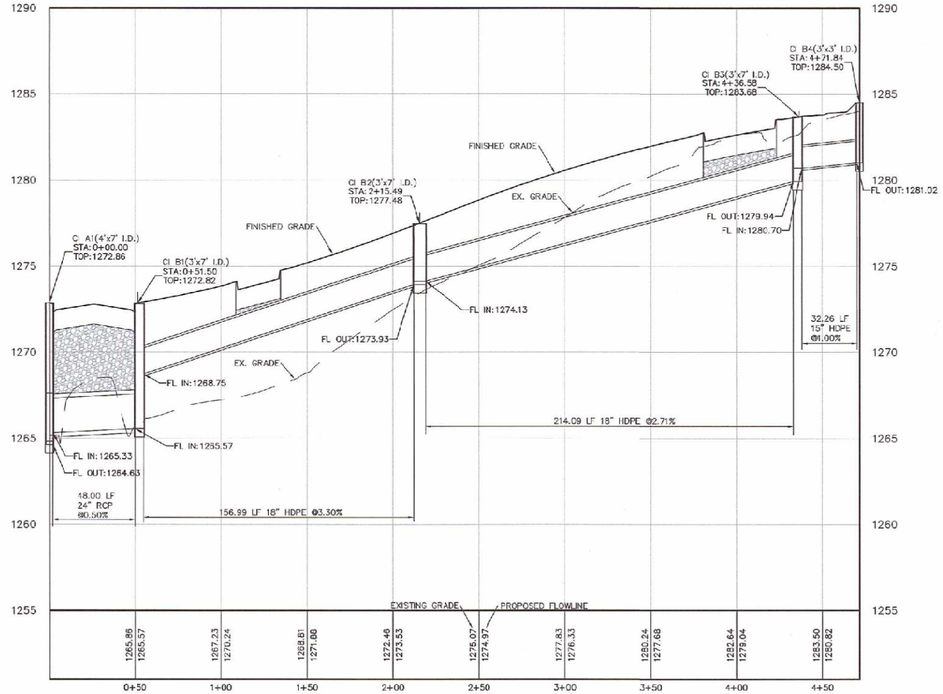
STORM LINE A-B-C-D - PLAN

SCALE: HOR. 1" = 40'



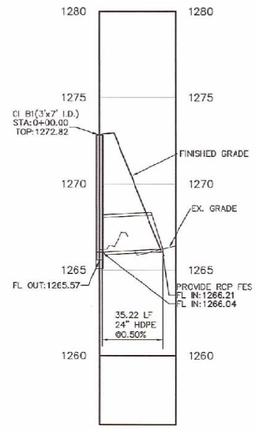
STORM LINE A - PROFILE

SCALE: HOR. 1" = 40'
VERT. 1" = 40'



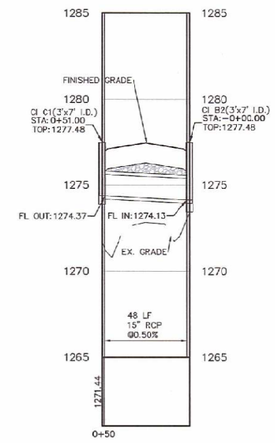
STORM LINE B - PROFILE

SCALE: HOR. 1" = 40'
VERT. 1" = 40'



STORM LINE D - PROFILE

SCALE: HOR. 1" = 40'
VERT. 1" = 40'



STORM LINE C - PROFILE

SCALE: HOR. 1" = 40'
VERT. 1" = 40'

Federal Project Number: STBG-9901(831)

NORTH

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP-CALL BEFORE YOU DIG!

MAIN ST. IMPROVEMENTS
FROM TRACKER RD. TO HWY CC

NIXA

Nixa, Christian County, Missouri

J. CLAYTON M. HINES E-29799 REGISTERED PROFESSIONAL ENGINEER

SHAFFER & HINES, INC.
CERTIFICATE OF AUTHORITY
LICENSE NO. 001665

SHAFFER & HINES
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 - Fax: (417) 725-5230
Email: chines@shafferhines.com

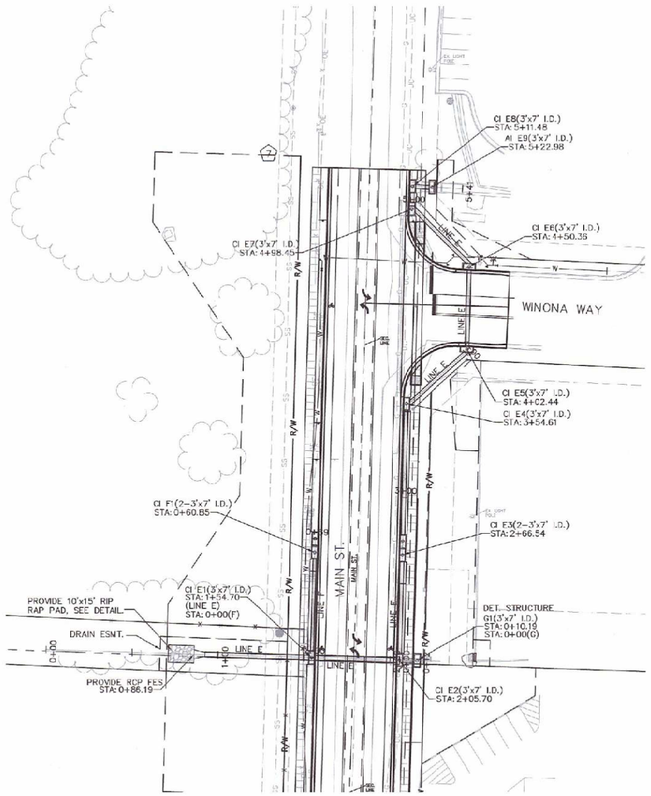
STORM WATER PLAN / PROFILE LINE A-B-C-D

DESIGN BY	JCMH
DRAWN BY	GSM
CHK'D BY	JCMH
DATE	MAY 2023
SCALE	AS SHOWN

REVISIONS

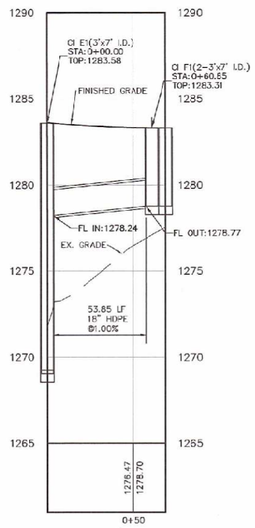
JOB NO. 222013

SHEET STM 01



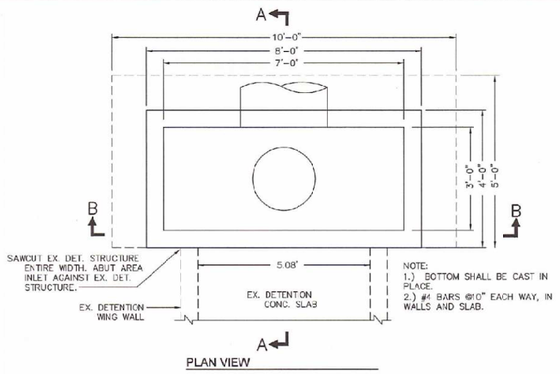
STORM LINE E-F-G - PLAN

SCALE: HOR. 1" = 40'

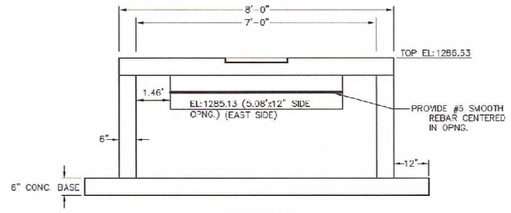


STORM LINE F - PROFILE

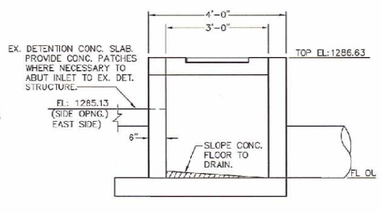
SCALE: HOR. 1" = 40'
VERT. 1" = 40'



PLAN VIEW



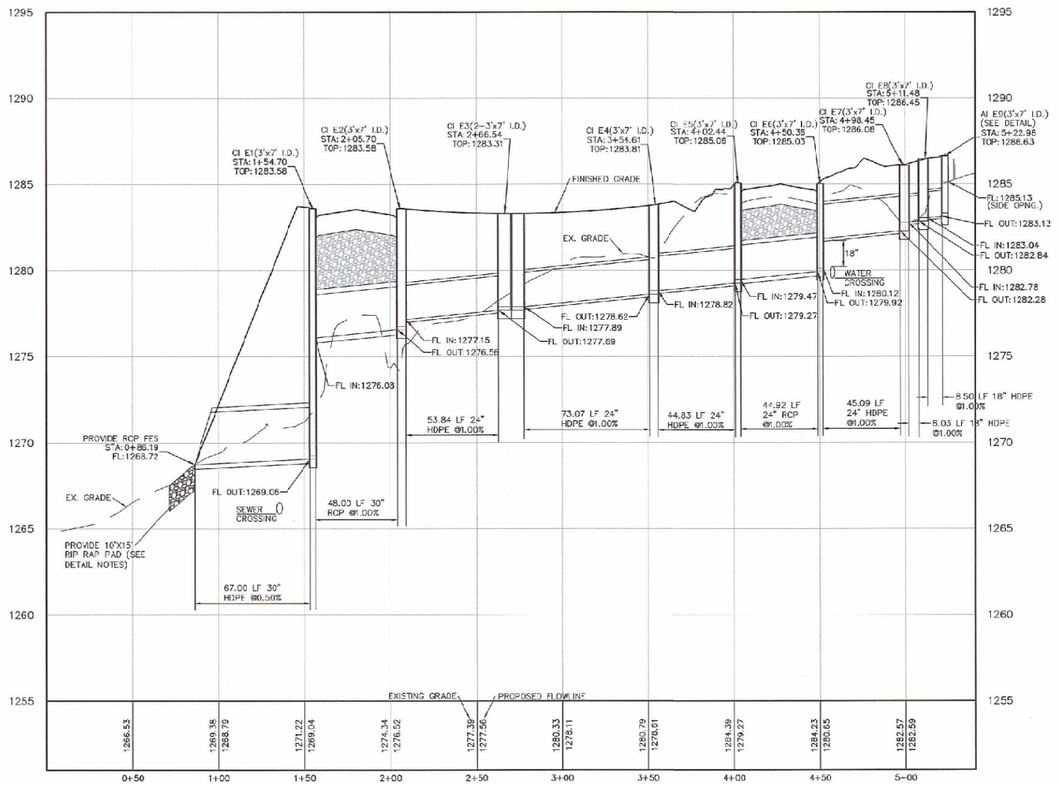
SECTION B-B



SECTION A-A

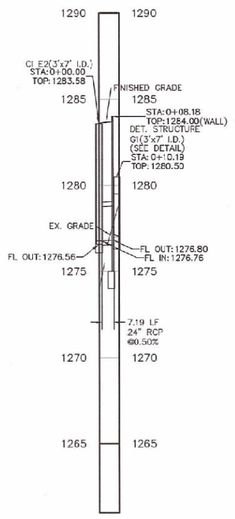
PRECAST CONC. AREA INLET E9

SCALE: HOR. 1" = 2'



STORM LINE E - PROFILE

SCALE: HOR. 1" = 40'
VERT. 1" = 40'



STORM LINE G- PROFILE

SCALE: HOR. 1" = 40'
VERT. 1" = 40'

Federal Project Number: STBG-9901(831)

NORTH

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP! CALL BEFORE YOU DIG!

MAIN ST. IMPROVEMENTS
FROM TRACKER RD. TO HWY CC

Nixa, Christian County, Missouri

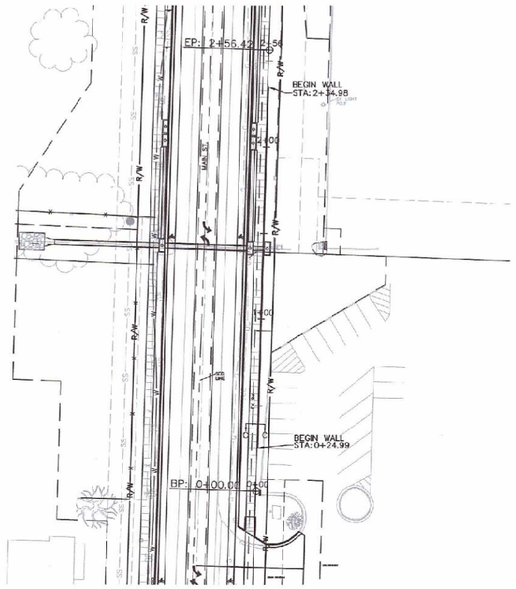
J. CLAYTON M. HINES E-29799 — REGISTERED PROFESSIONAL ENGINEER — STATE OF MISSOURI — CLAYTON M. HINES NUMBER E-29799

SHAFFER & HINES, INC.
CERTIFICATE OF AUTHORITY
LICENSE NO. 001665

SHAFFER & HINES
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 - Fax: (417) 725-5230
Email: chines@shafferhines.com

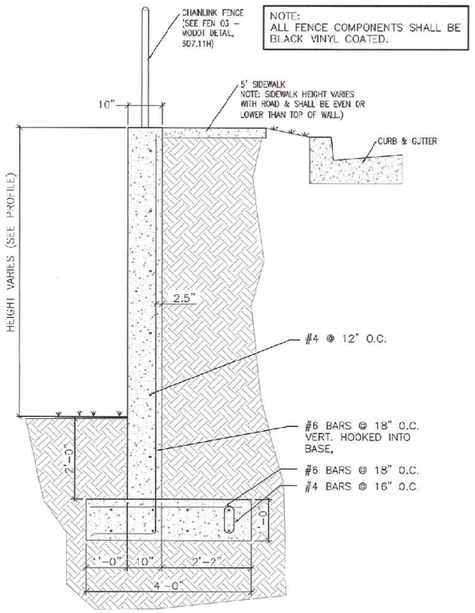
STORM WATER PLAN / PROFILE LINE E-F-G

DESIGN BY	JOAH
DRAWN BY	GSM
CHK'D BY	JOAH
DATE	MAY 2023
SCALE	AS SHOWN
REVISIONS	
JOB NO.	222013
SHEET	STM 02



WALL PLAN/PROFILE

SCALE: HOR. 1" = 40'



CONCRETE WALL SEC. C-C

NOT TO SCALE
(WHERE WALL HEIGHT IS 9'-0" OR LESS)

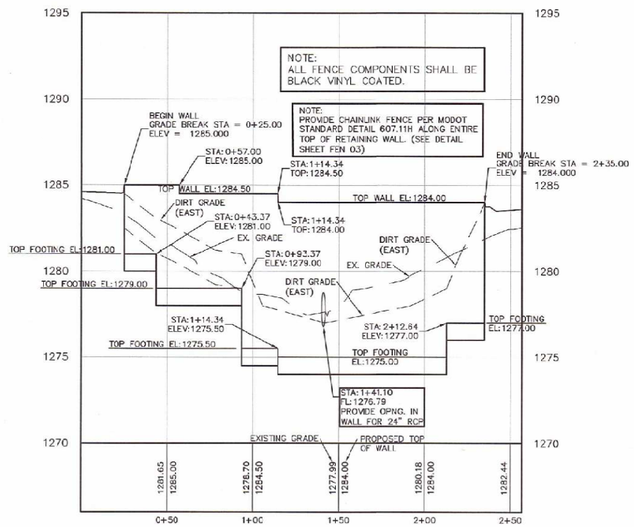
GENERAL NOTES

A. CODES AND STANDARDS
1. THE INTERNATIONAL BUILDING CODE/2012 EDITION
2. BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-05)

D. EXCAVATION AND BACKFILLING
1. PROVIDE ADEQUATE SHORING AND BRACING FOR ALL EXCAVATIONS AS REQUIRED TO MAINTAIN SAFETY AND PROTECTION FOR ADJACENT STRUCTURES AND FINISHES.
2. FILL IN STRUCTURAL AREAS OR PAVEMENT AREAS SHOULD BE COMPACTED TO AT LEAST 95 PERCENT OF THE MAXIMUM MODIFIED DRY DENSITY

E. FOUNDATIONS
1. ALL FOOTINGS SHALL BEAR ON NATURAL SOILS OR PROPERLY COMPACTED FILL HAVING A BEARING CAPACITY OF 2.5 K.S.F. AS APPROVED BY THE GEOTECHNICAL ENGINEER
2. DEWATERING: PROVIDE PUMPING EQUIPMENT TO KEEP THE EXCAVATION FREE OF WATER BEFORE PLACING CONCRETE.
3. FOOTINGS SHALL NOT BE PLACED IN WATER OR ON FROZEN SOIL
4. FROST PROTECTION 18" MINIMUM MEASURED FROM BOTTOM OF FOOTING
5. THE ENGINEER ASSUME NO RESPONSIBILITY FOR THE VALIDITY IF SUBSURFACE CONDITIONS DESCRIBED ON THE DRAWINGS OR IN THE SPECIFICATIONS. THESE DATA ARE INCLUDED ONLY TO ASSIST THE CONTRACTOR DURING BIDDING AND SUBSEQUENT CONSTRUCTION, AND REPRESENT CONDITIONS ONLY AT THESE SPECIFIC LOCATIONS AT THE PARTICULAR TIME THEY WERE MADE.

E. CAST-IN-PLACE CONCRETE
1. CONCRETE WORK SHALL CONFORM TO THE INTERNATIONAL BUILDING CODE/2012, THE ACI BUILDING CODE (ACI 318-10) AND TO THE SPECIFICATIONS. IN CASE OF CONFLICT, THE MOST STRINGENT REQUIREMENTS SHALL GOVERN.
2. ALL STRUCTURAL REINFORCED CONCRETE MEMBERS ARE DESIGNED USING "STRENGTH" DESIGN PROVISIONS.
3. CONCRETE WITH MINIMUM 28 DAY COMPRESSIVE STRENGTH SHALL BE USED IN THE FOLLOWING AREAS
   A) 3500 PSI NORMAL WEIGHT CONCRETE IN ALL AREAS
4. ALL CONCRETE EXPOSED TO THE WEATHER SHALL BE AIR ENTRAINED WITH 5% MIN AIR
5. ADD 3/4" CHAMFER TO EDGES OF ALL CONCRETE EXPOSED TO VIEW



WALL - PROFILE

SCALE: HOR. 1" = 40'
VERT. 1" = 40'

NORTH

MISSOURI ONE CALL SYSTEM, INC.
1-800-344-7483
STOP-CALL BEFORE YOU DIG!

MAIN ST. IMPROVEMENTS
FROM TRACKER RD. TO HWY CC

NIXA

Nixa, Christian County, Missouri

J. CLAYTON MINER NUMBER E-29769 REGISTERED PROFESSIONAL ENGINEER
J. CLAYTON MINER, PE E-29769

SHAFFER & HINES, INC.
CERTIFICATE OF AUTHORITY
LICENSE NO. 001665

SHAFFER & HINES
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 - Fax: (417) 725-5230
Email: chines@shafferhines.com

WALL PLAN / PROFILE AND DETAILS

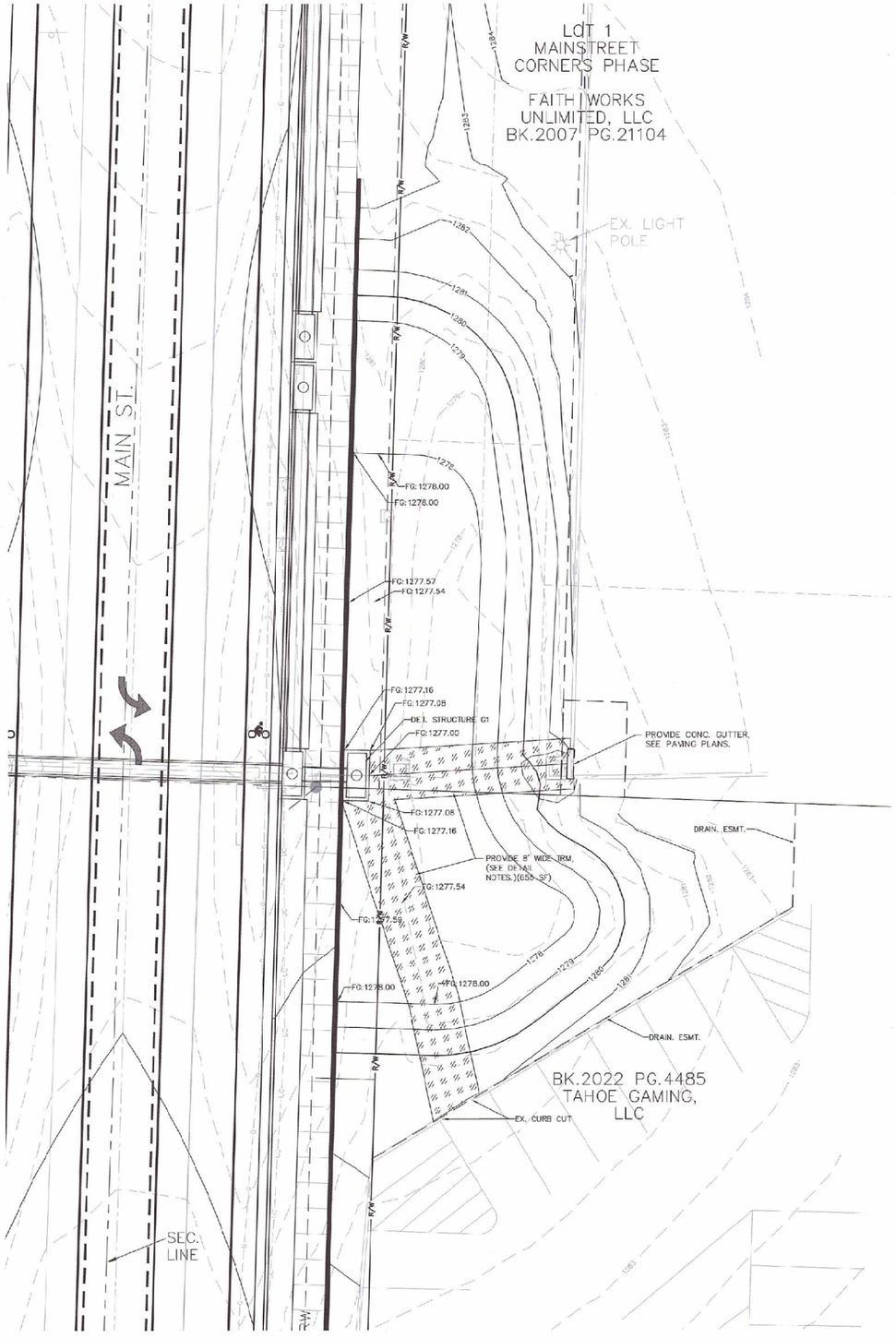
DESIGN BY	JCM/I
DRAWN BY	GSM
CHK'D BY	JCM/I
DATE	MAY 2023
SCALE	AS SHOWN

REVISIONS

JOB NO. 222013

SHEET STM 03

Federal Project Number: STBG-9901(831)

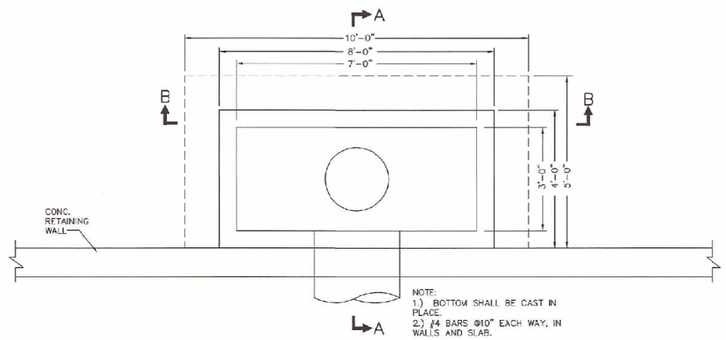


DETENTION BASIN PLAN

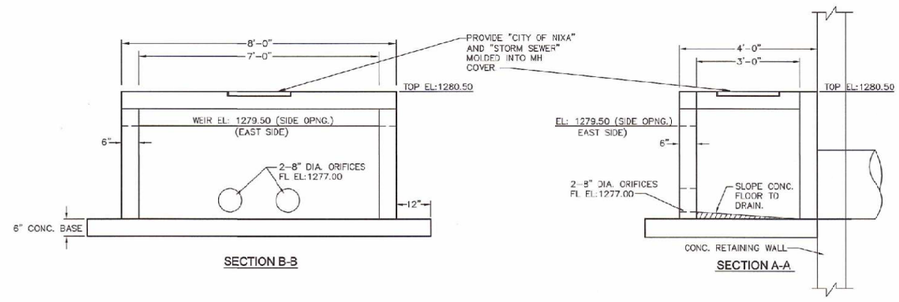
SCALE: HOR. 1" = 10'

TURF REINFORCEMENT MAT (TRM) NOTES:

GENERAL NOTES:
1. PLACE TURF REINFORCEMENT MAT(TRM) IN ALL PLACES AS INDICATED ON THE PLAN.
2. TRM SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
3. TRM TO BE PROPEX PYRAMAT 25 OR APPROVED EQUAL.



PLAN VIEW



SECTION B-B

SECTION A-A

PRECAST CONC. DETENTION STRUCTURE G1

SCALE: HOR. 1" = 2'

Federal Project Number: STBG-9901(831)

NORTH

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP-CALL BEFORE YOU DIG!

MAIN ST. IMPROVEMENTS
FROM TRACKER RD. TO HWY CC

Nixa, Christian County, Missouri

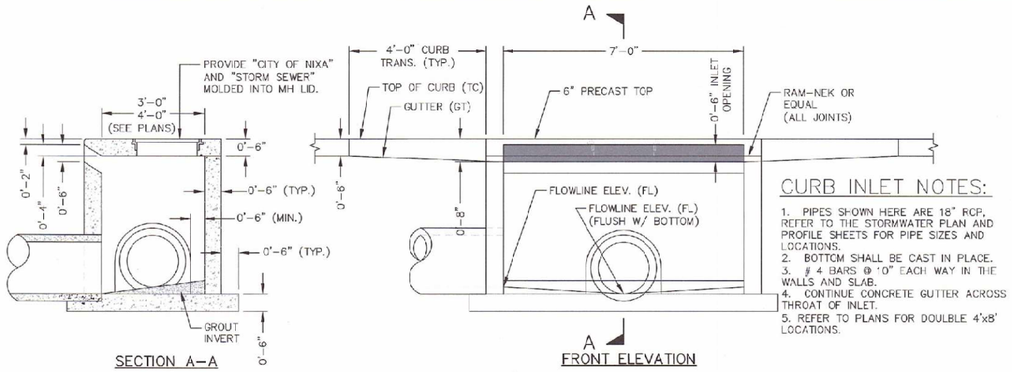
J. CLAYTON M. HINES E-26799 REGISTERED PROFESSIONAL ENGINEER

SHAFFER & HINES, INC.
CERTIFICATE OF AUTHORITY
LICENSE NO. 001665

SHAFFER & HINES
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 - Fax: (417) 725-5230
Email: chines@shafferhines.com

DETENTION BASIN
PLAN AND DETAILS

DESIGN BY	JCMH
DRAWN BY	GSM
CHK'D BY	JCMH
DATE	MAY 2023
SCALE	AS SHOWN
REVISIONS	
JOB NO.	222013
SHEET	STM 04



CURB INLET NOTES:

1. PIPES SHOWN HERE ARE 18" RCP. REFER TO THE STORMWATER PLAN AND PROFILE SHEETS FOR PIPE SIZES AND LOCATIONS.
2. BOTTOM SHALL BE CAST IN PLACE.
3. # 4 BARS @ '0" EACH WAY IN THE WALLS AND SLAB.
4. CONTINUE CONCRETE GUTTER ACROSS THROAT OF INLET.
5. REFER TO PLANS FOR DOUBLE 4'x8' LOCATIONS.

PRECAST CURB INLET A1-A2-A3-B1-B2-B3-B4-C1-E1-E2-E3-E4-E5-E6-E7-E8-F1

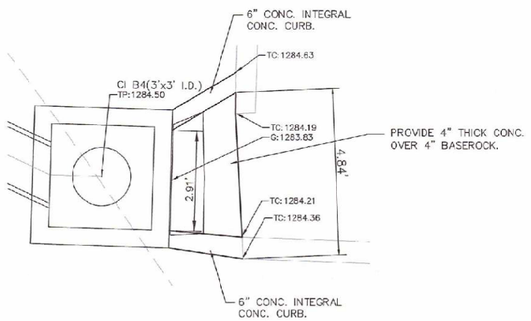
NOT TO SCALE

RIP - RAP NOTES:

GENERAL NOTES:

1. PLACE RIP RAP IN ALL PLACES AS INDICATED ON THE PLAN.
2. GEOTEXTILE FABRIC (8 OZ. NON-WOVEN) SHALL BE INSTALLED DOWNSTREAM TO UPSTREAM, WITH UPSTREAM FABRIC PLACED ON TOP OF DOWNSTREAM FABRIC, AND IN ACCORDANCE WITH MANUF. SPECIFICATIONS PRIOR TO PLACEMENT OF ROCK.
3. THE BOULDERS SHALL CONSIST OF FIELD STONE OR ROUGH UNHEWN QUARRY STONE AS NEARLY AS UNIFORM, IN SECTION AS PRACTICAL.
4. THE STONES SHALL BE DENSE, RESISTANT TO THE ACTION OF AIR AND WATER, AND SUITABLE IN ALL ASPECTS FOR THE PURPOSE INTENDED UNLESS OTHERWISE SPECIFIED.
5. STONES SHALL HAVE A MEAN ROCK DIA. OF AS NOTED AND CONFORM WITH THE GRADATION TABLE SHOWN HEREIN.
6. MX RIP RAP WITH 30 PERCENT (BY VOLUME) TOPSOIL AND BURY IT WITH 6 OR MORE INCHES OF TOPSOIL, ALL VIBRATION COMPACTED.
7. RIP RAP THICKNESS TO SHALL BE $1.75xD_{50}$
8. TERMINATION POINTS OF RIP RAP SHALL BE KEYED TO PREVENT UNDERCUTTING. KEY SHALL BE AT LEAST 3' LONG AND DEPTH OF $2.7xD_{50}$ OR AS NOTED ON PLANS.

TYPE M	
GRADUATION OF D_{50} =12"	
PERCENT (%) SMALLER THAN GIVEN BY WEIGHT	INTERMEDIATE ROCK DIMENSION (INCHES)
70-100	21
50-70	18
35-50	12
2-10	4



C.I. B4 - DETAIL

SCALE: 1" = 2'

NORTH

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP-CALL BEFORE YOU DIG!

MAIN ST. IMPROVEMENTS FROM TRACKER RD. TO HWY CC

NIXA

Nixa, Christian County, Missouri

J. CLAYTON M. HINES E-29799

SHAFFER & HINES, INC. CERTIFICATE OF AUTHORITY LICENSE NO. 001655

SHAFFER & HINES
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 - Fax: (417) 725-5230
Email: chines@shafferhines.com

STORM WATER DETAILS

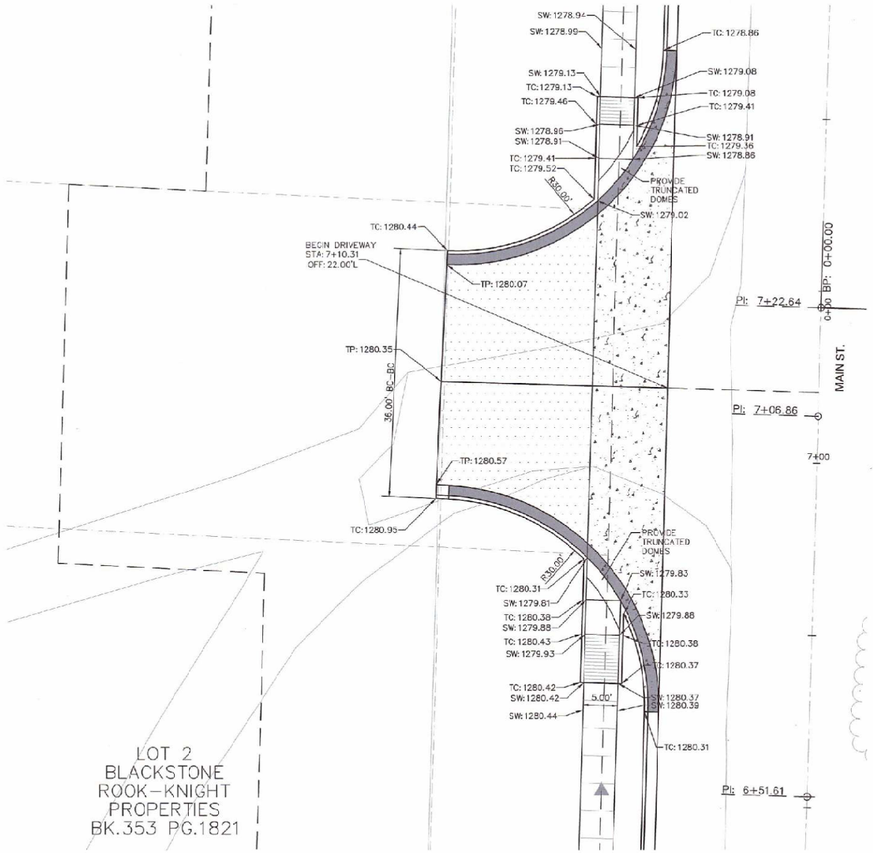
DESIGN BY JCMH
DRAWN BY GSM
CHK'D BY JCMH
DATE MAY 2023
SCALE AS SHOWN

REVISIONS

JOB NO. 222013

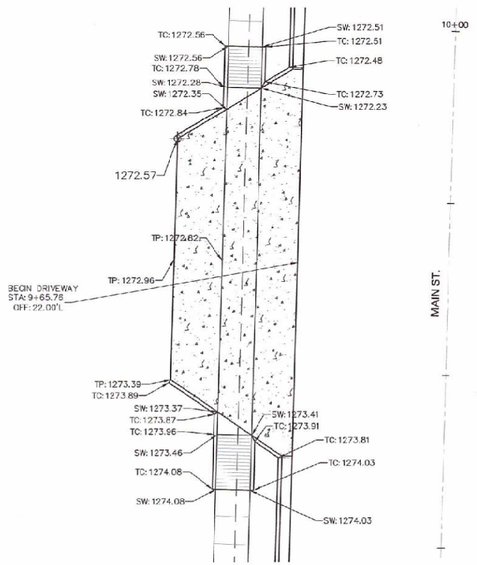
SHEET STM 05

Federal Project Number: STBG-9901(831)



ROOK-KNIGHT DRIVEWAY - STA:7+10.31 - DETAIL

SCALE: HOR. 1" = 10'



CARNAHAN DRIVEWAY STA:9+65.76 - DETAIL

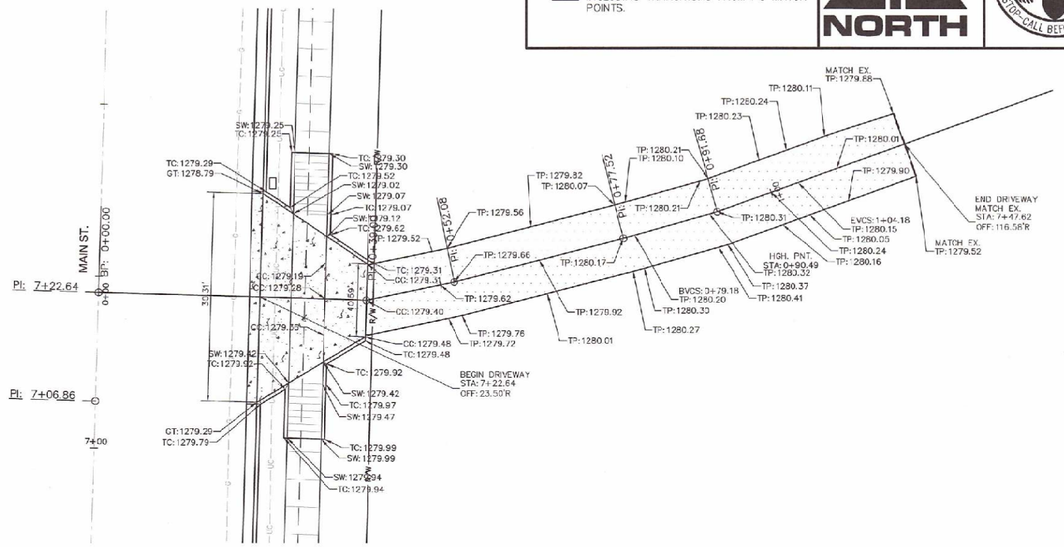
SCALE: HOR. 1" = 10'

LEGEND

PROVIDE TILT CURB FOR CURE RAMPS INCLUDING TRANSITIONS FROM PC MATCH POINTS.

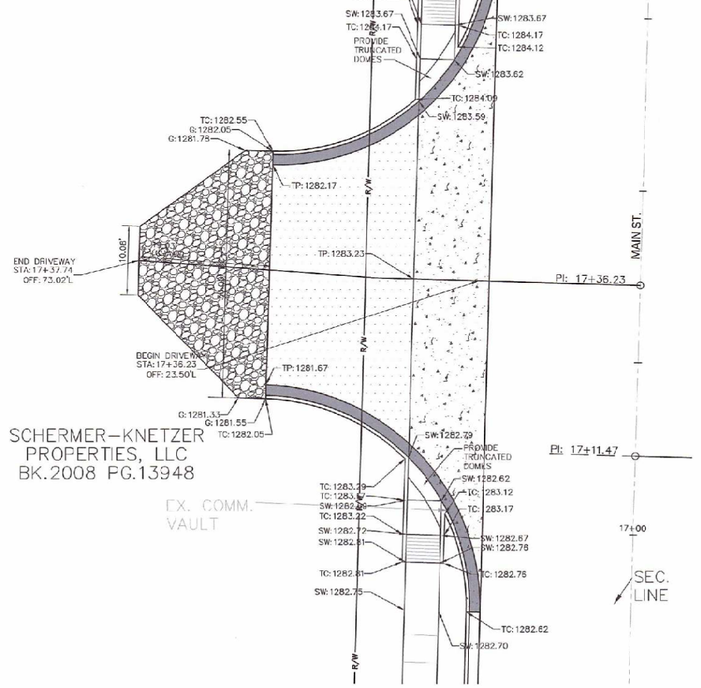
NORTH

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP-CALL BEFORE YOU DIG!



WYATT DRIVEWAY STA:7+22.64 - DETAIL

SCALE: HOR. 1" = 10'



SCHERMER-KNETZER DRIVEWAY STA:17+36.23 - DETAIL

SCALE: HOR. 1" = 10'

HATCH LEGEND

- CONCRETE DRIVEWAY PAYMENT LIMITS
- ASPHALT DRIVEWAY PAYMENT LIMITS
- GRAVEL DRIVEWAY PAYMENT LIMITS

HATCH LEGEND

TC = TOP OF CURB
SW = SIDEWALK
GT = GUTTER
G = TOP OF GRAVEL
TP = TOP OF PAVEMENT
FG =FINISH GRADE (DIRT)

Federal Project Number: STBG-9901(831)

MAIN ST. IMPROVEMENTS
FROM TRACKER RD. TO HWY CC

NIXA

Nixa, Christian County, Missouri

J. CLAYTON M. HINES NUMBER E-29799 REGISTERED PROFESSIONAL ENGINEER

J. CLAYTON M. HINES E-29799

SHAFFER & HINES, INC.
CERTIFICATE OF AUTHORITY
LICENSE NO. 001665

SHAFFER & HINES
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 - Fax: (417) 725-5230
Email: clhines@shafferhines.com

DRIVEWAY DETAILS

DESIGN BY JCMH
DRAWN BY GSM
CHK'D BY JCMH
DATE MAY 2023
SCALE AS SHOWN
REVISIONS
JOB NO. 222013
SHEET DW 01

NORTH

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP! CALL BEFORE YOU DIG!

LEGEND

PROVIDE TILT CURB FOR CURB RAMPS INCLUDING TRANSITIONS FROM PC MATCH POINTS.

HATCH LEGEND

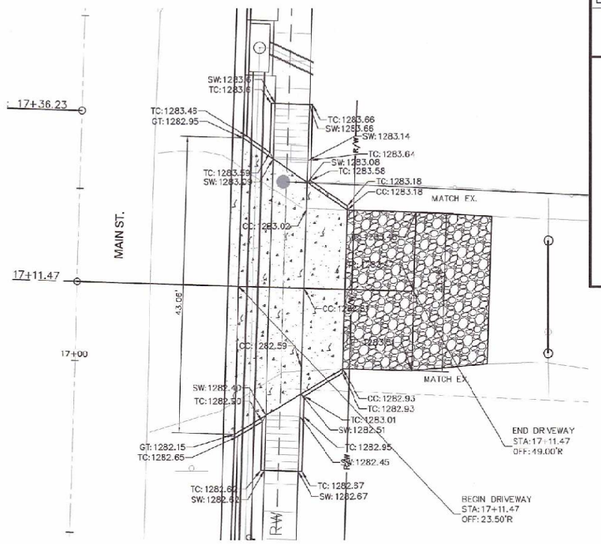
CONCRETE DRIVEWAY PAYMENT LIMITS

ASPHALT DRIVEWAY PAYMENT LIMITS

GRAVEL DRIVEWAY PAYMENT LIMITS

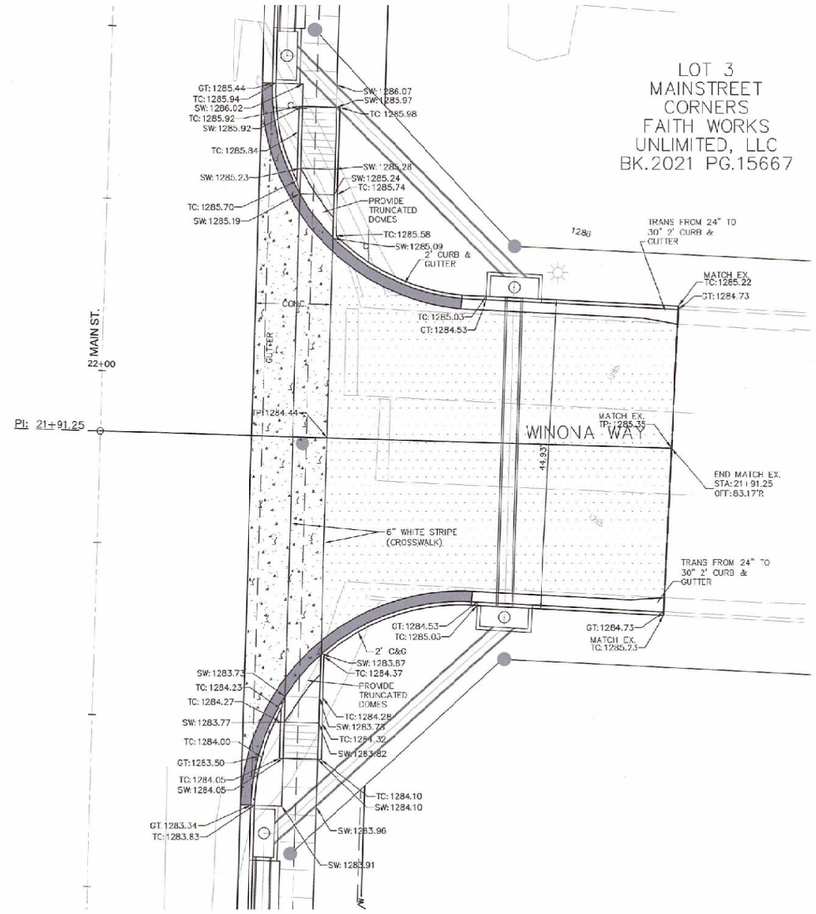
HATCH LEGEND

TC = TOP OF CURB
SW = SIDEWALK
GT = GUTTER
G = TOP OF GRAVEL
TP = TOP OF PAVEMENT
FG =FINISH GRADE (DIRT)



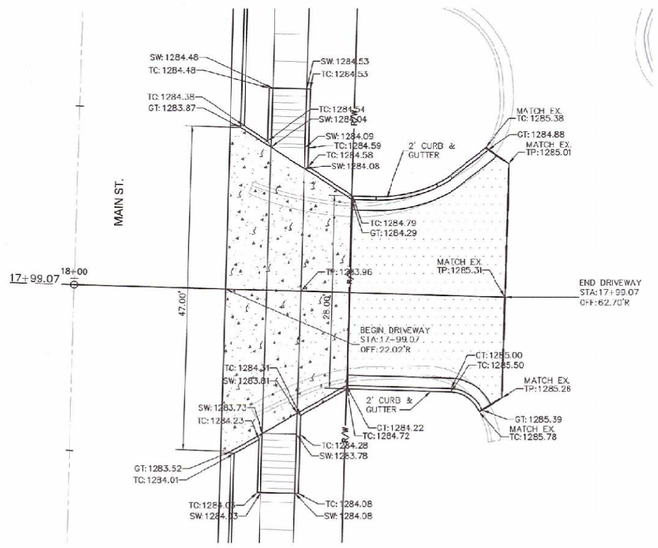
SHO-ME POWER DRIVEWAY - STA:17+11.47- DETAIL

SCALE: HOR. 1" = 10'



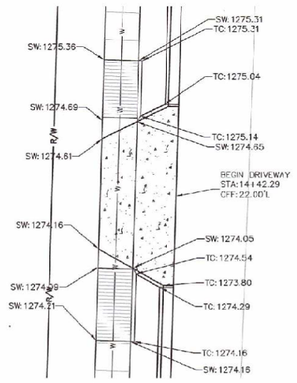
WINONA WAY - STA:21+91.25- DETAIL

SCALE: HOR. 1" = 10'



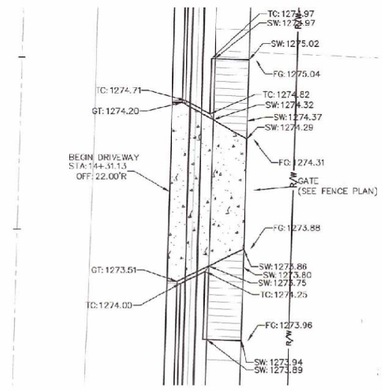
TAHOE GAMING DRIVEWAY - STA:17+99.07- DETAIL

SCALE: HOR. 1" = 10'



LIBERTY ELECTRIC DRIVEWAY - STA:14+42.29- DETAIL

SCALE: HOR. 1" = 10'



OZARK ELECTRIC DRIVEWAY - STA:14+31.13- DETAIL

SCALE: HOR. 1" = 10'

Federal Project Number: STBG-9901(831)

MAIN ST. IMPROVEMENTS
FROM TRACKER RD. TO HWY CC

NIXA

Nixa, Christian County, Missouri

J. CLAYTON HINES NUMBER E-29799 REGISTERED PROFESSIONAL ENGINEER

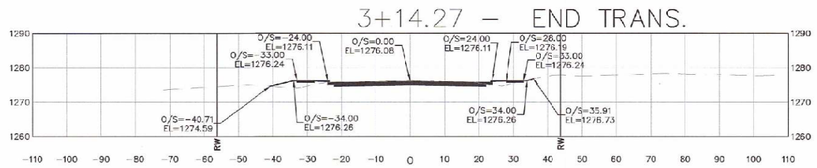
J. CLAYTON HINES E-29799

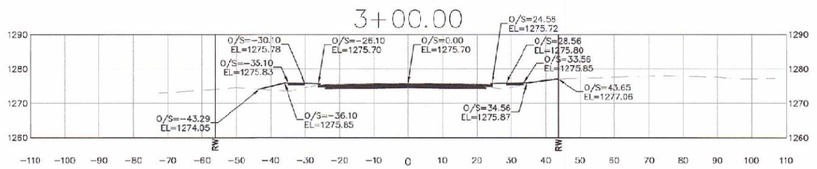
SHAFFER & HINES, INC.
CERTIFICATE OF AUTHORITY
LICENSE NO. 001665

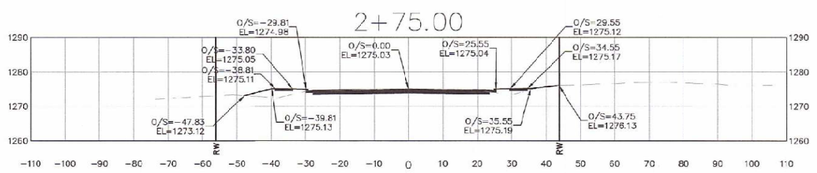
SHAFFER & HINES
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 - Fax: (417) 725-5230
Email: chines@shafferhines.com

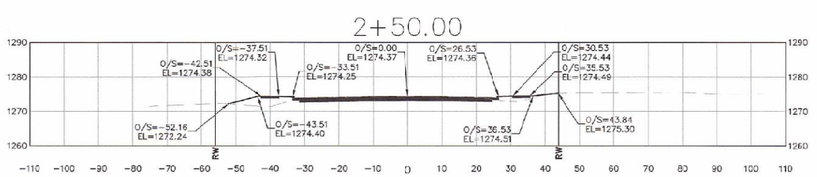
DRIVEWAY DETAILS

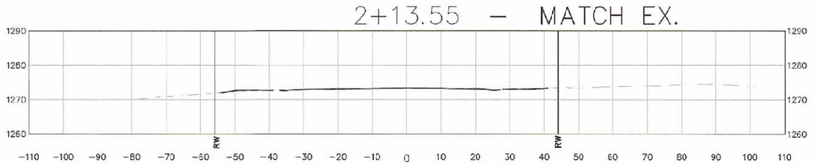
DESIGN BY	JCMH
DRAWN BY	GSM
CHKD BY	JCMH
DATE	MAY 2023
SCALE	AS SHOWN
REVISIONS	
JOB NO.	222013
SHEET	DW 02

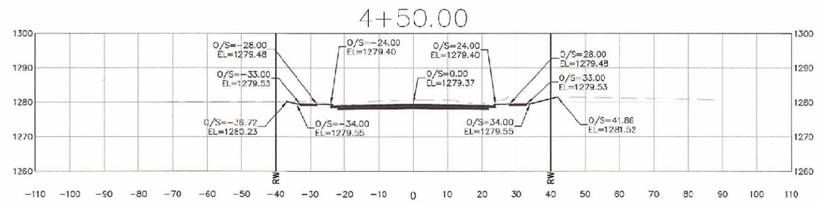


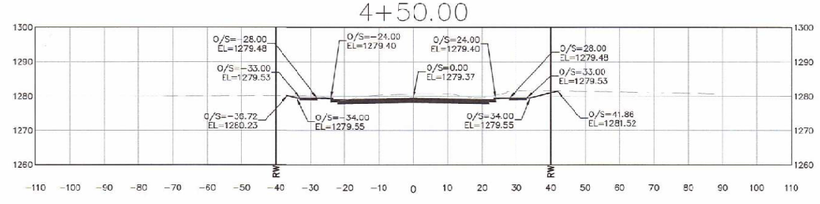


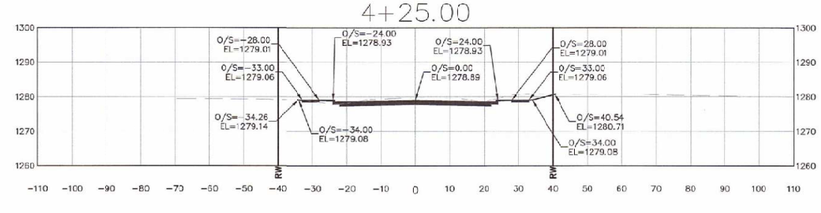


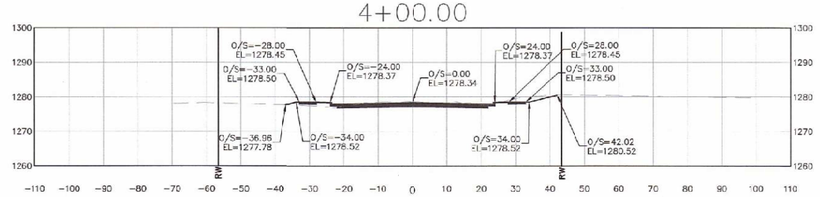


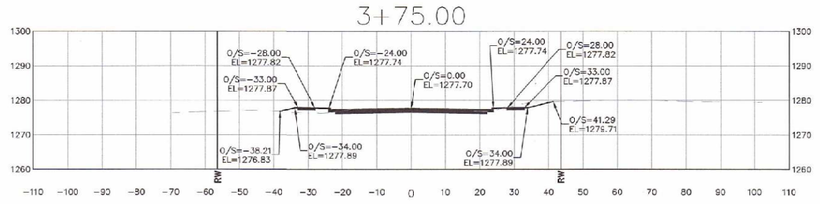


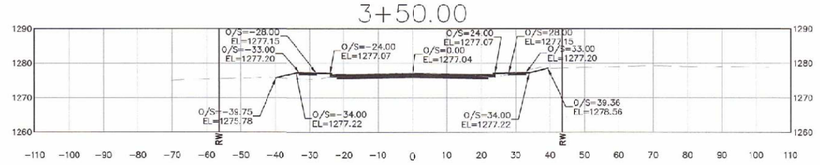












MAIN ST. - CROSS-SECTIONS

SCALE: HOR. 1" = 20'

Federal Project Number: STBG-9901(831)

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP. CALL BEFORE YOU DIG!

MAIN ST. IMPROVEMENTS
FROM TRACKER RD. TO HWY CC

NIXA

Nixa, Christian County, Missouri

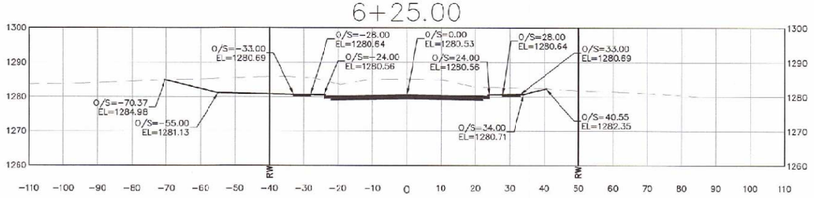
J. CLAYTON M. HINES E-29399 — REGISTERED PROFESSIONAL ENGINEER — J. CLAYTON M. HINES NUMBER E-29399 — STATE OF MISSOURI

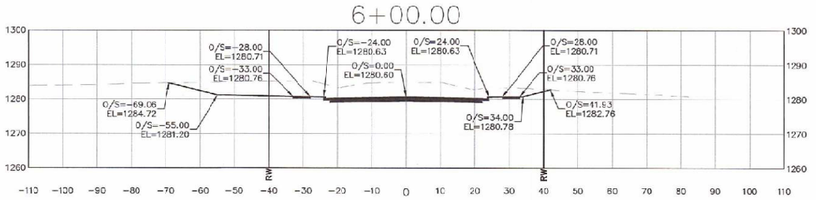
SHAFFER & HINES, INC.
CERTIFICATE OF AUTHORITY
LICENSE NO. 001665

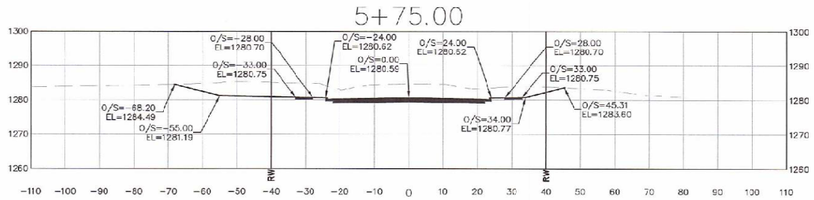
SHAFFER & HINES
CONSULTING ENGINEERS · REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 · Fax: (417) 725-5230
Email: chines@shafferhines.com

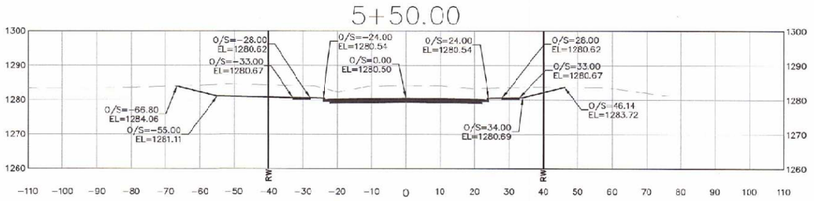
CROSS-SECTIONS
STA: 2+13.55 - 4+50

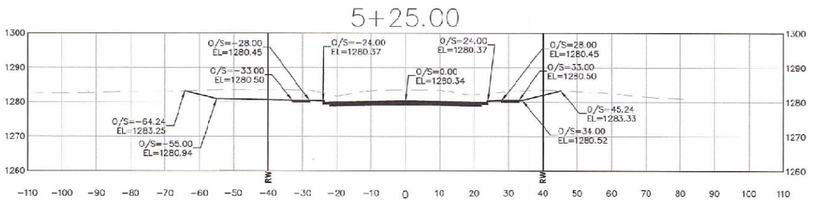
DESIGN BY	JCMH
DRAWN BY	GSM
CHK'D BY	JCMH
DATE	MAY 2023
SCALE	AS SHOWN
REVISIONS	
JOB NO.	222013
SHEET	XSEC 01

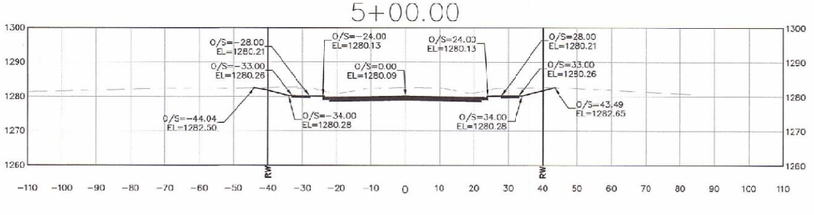


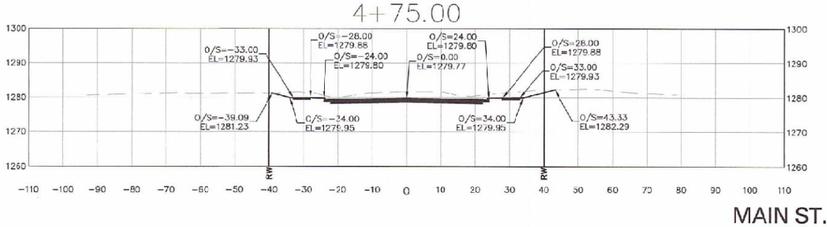


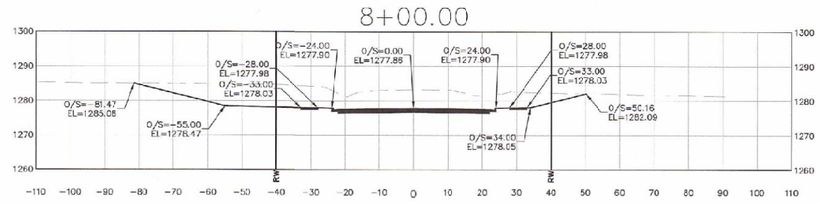


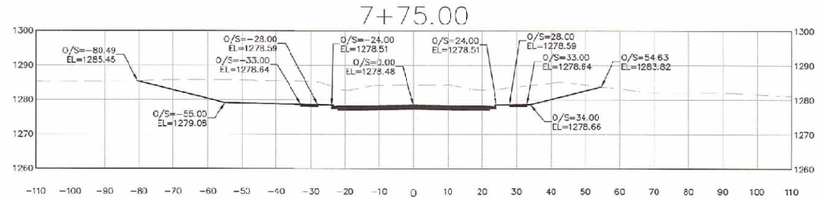


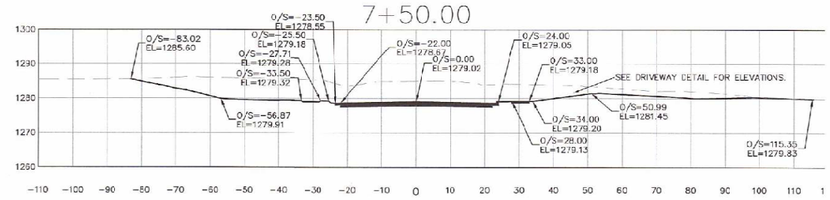


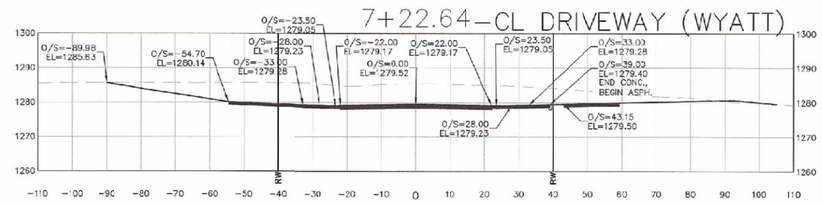


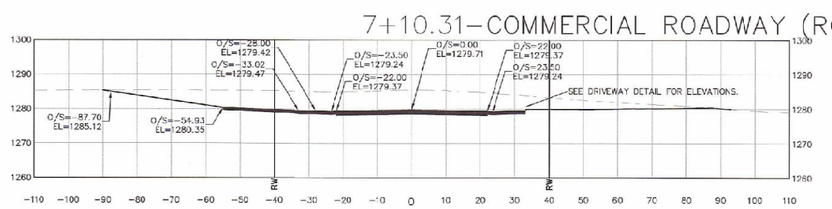


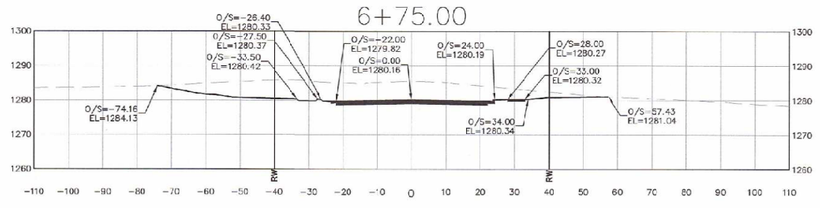


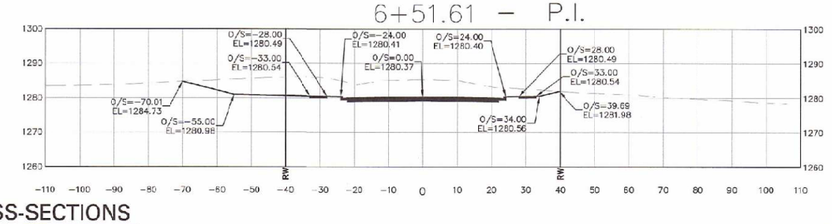












MAIN ST. - CROSS-SECTIONS

SCALE: HOR. 1" = 20'

Federal Project Number: STBG-9901(831)

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP-CALL BEFORE YOU DIG!

MAIN ST. IMPROVEMENTS
FROM TRACKER RD. TO HWY CC

NIXA

Nixa, Christian County, Missouri

J. CLAYTON HINES NUMBER E-29796 DATE 4-20-23 REGISTERED PROFESSIONAL ENGINEER

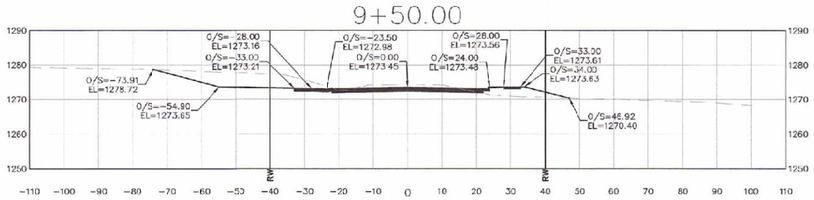
J. CLAYTON HINES E-29796

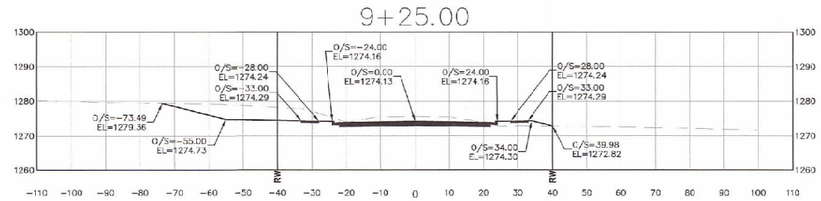
SHAFFER & HINES, INC.
CERTIFICATE OF AUTHORITY
LICENSE NO. 001665

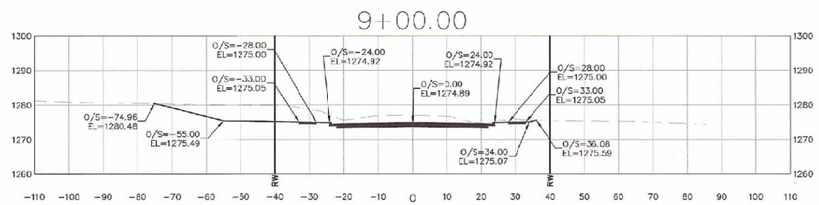
SHAFFER & HINES
CONSULTING ENGINEERS · REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 · Fax: (417) 725-5230
Email: chines@shaffer-hines.com

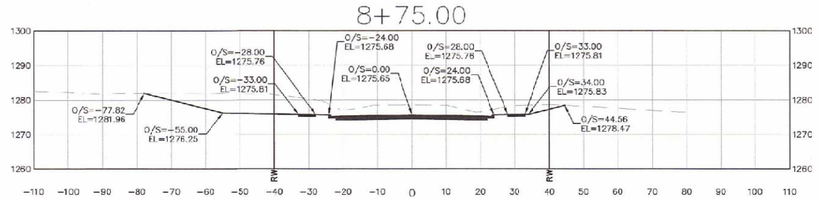
CROSS-SECTIONS
STA: 4+75 - 8+00

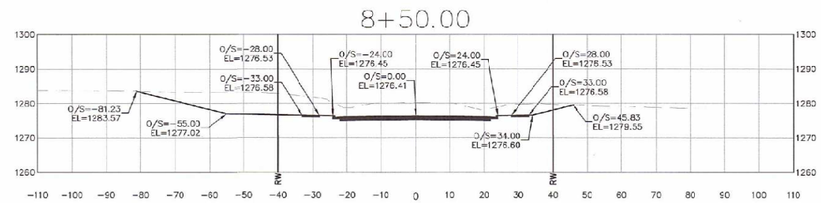
DESIGN BY	JCMH
DRAWN BY	GSM
CHK'D BY	JCMH
DATE	MAY 2023
SCALE	AS SHOWN
REVISIONS	
JOB NO.	222013
SHEET	XSEC 02

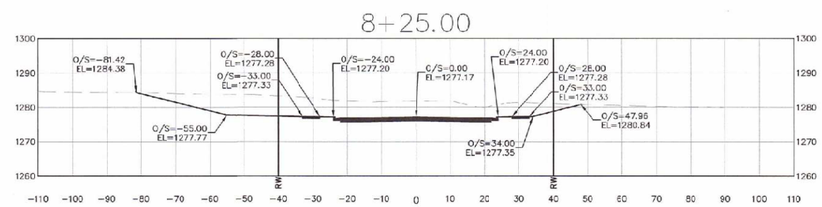


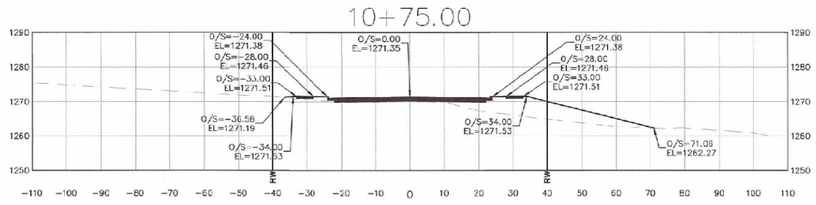


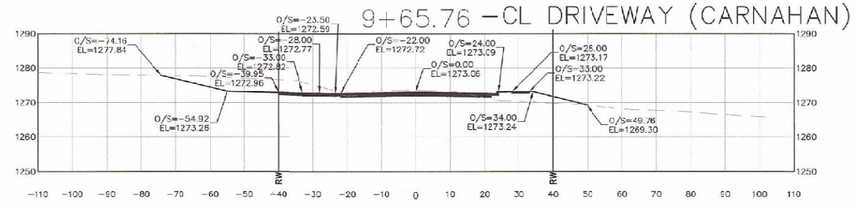


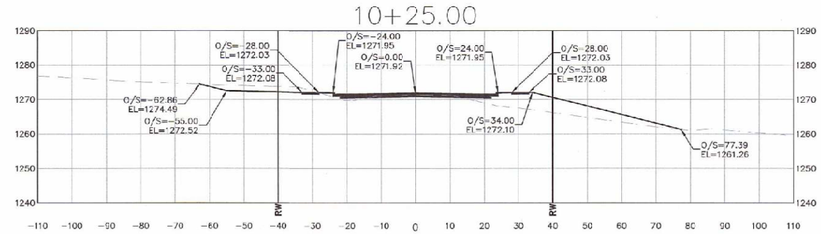


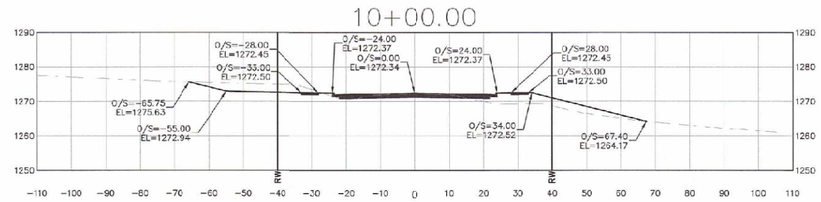


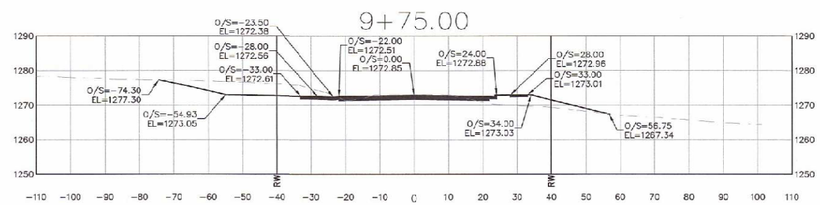


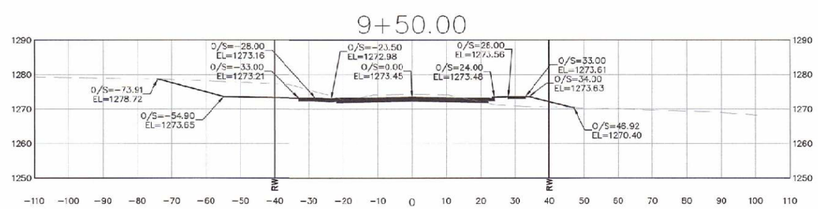












MAIN ST. - CROSS-SECTIONS

SCALE: HOR. 1" = 20'

Federal Project Number: STBG-9901(831)

MISSOURI ONE CALL SYSTEM INC.
1-800-344-7483
STOP-CALL BEFORE YOU DIG!

MAIN ST. IMPROVEMENTS
FROM TRACKER RD. TO HWY CC

NIXA
Nixa, Christian County, Missouri

J. CLAYTON M. HINES
NUMBER E-29766
REGISTERED PROFESSIONAL ENGINEER
J. CLAYTON M. HINES E-29766

SHAFFER & HINES, INC.
CERTIFICATE OF AUTHORITY
LICENSE NO. 001665

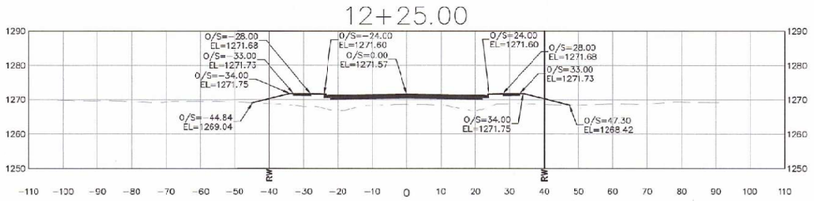
SHAFFER&HINES
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 - Fax: (417) 725-5230
Email: chines@shaffer-hines.com

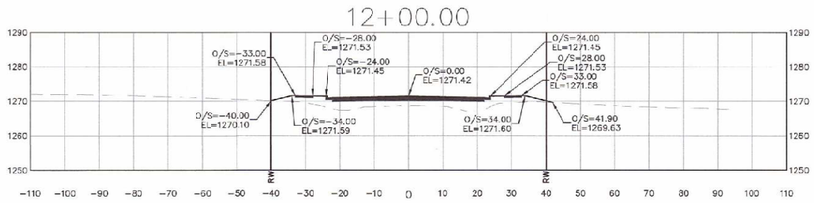
CROSS-SECTIONS
STA: 8+25 - 10+75

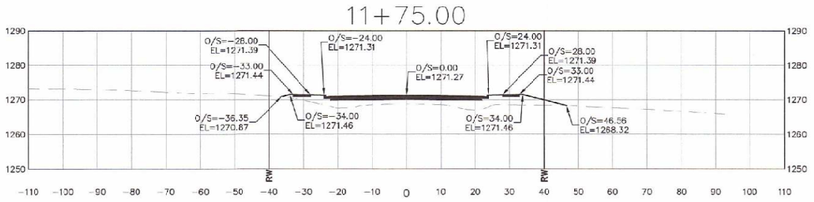
DESIGN BY JCMH
DRAWN BY GSM
CHK'D BY JCMH
DATE MAY 2023
SCALE AS SHOWN
REVISIONS

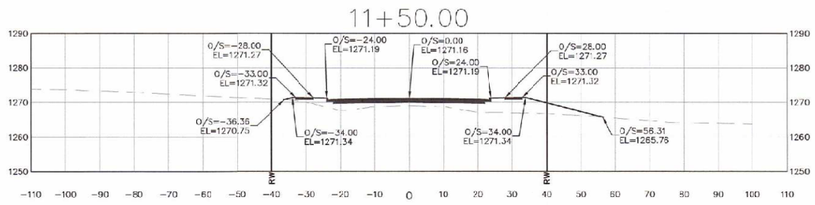
JOB NO. 222013

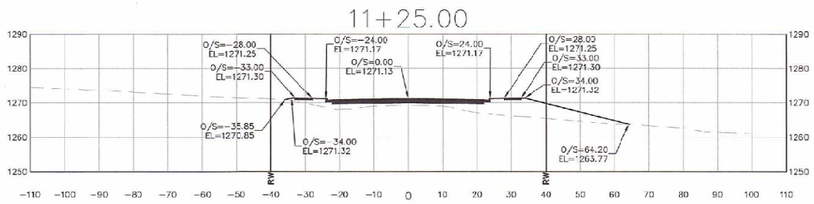
SHEET XSEC 03

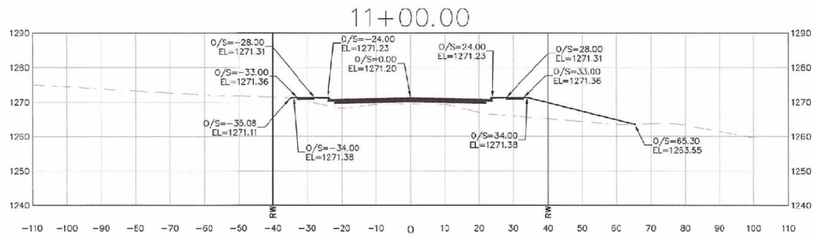


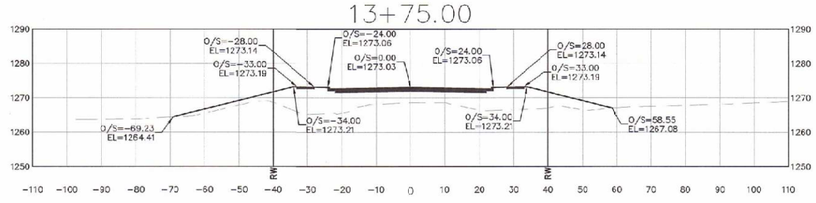


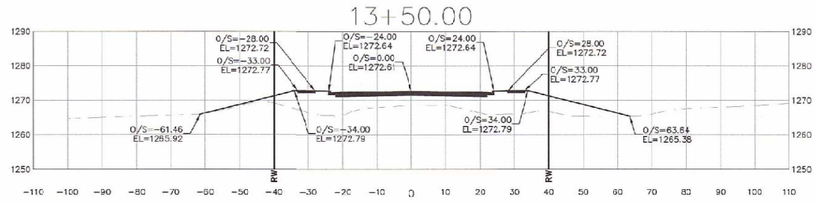


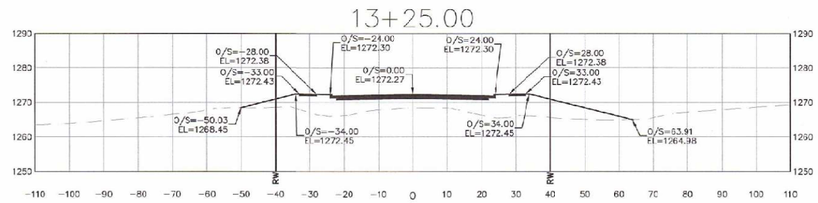


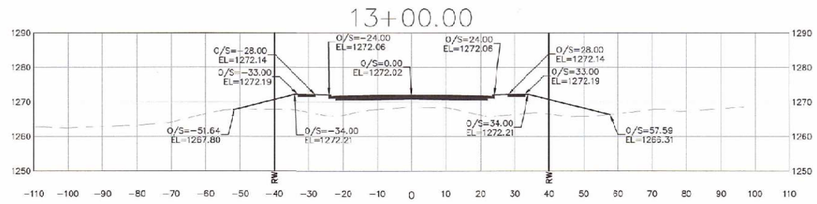


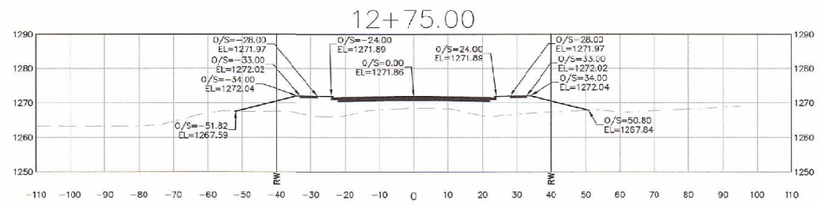


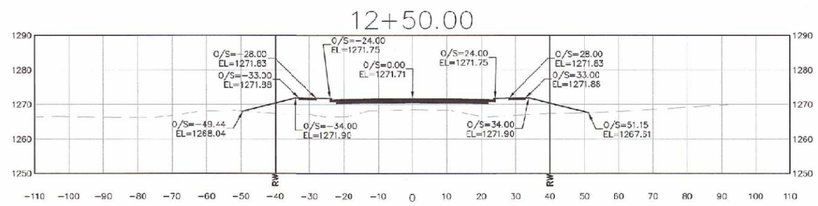












MAIN ST. - CROSS-SECTIONS

SCALE: HOR. 1" = 20'

Federal Project Number: STBG-9901(831)

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP-CALL BEFORE YOU DIG!

MAIN ST. IMPROVEMENTS
FROM TRACKER RD. TO HWY CC

NIXA

Nixa, Christian County, Missouri

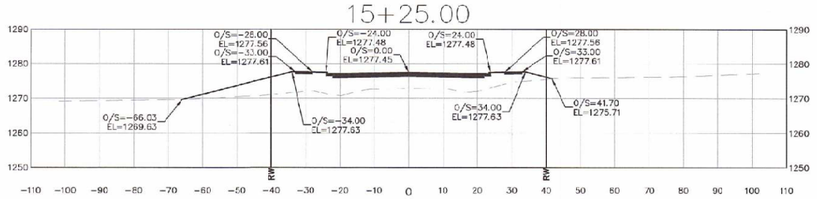
J. CLAYTON W. HINES E-29799
J. CLAYTON W. HINES NUMBER E-29799 REGISTERED PROFESSIONAL ENGINEER
04-AUG-2022

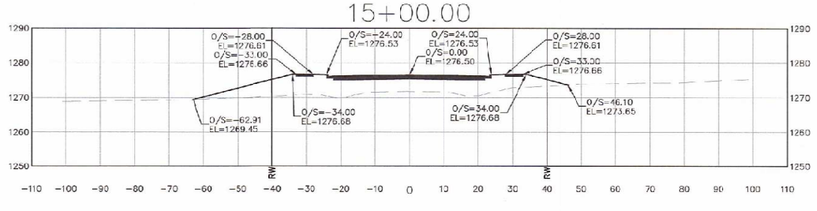
SHAFFER & HINES, INC.
CERTIFICATE OF AUTHORITY
LICENSE NO. 001665

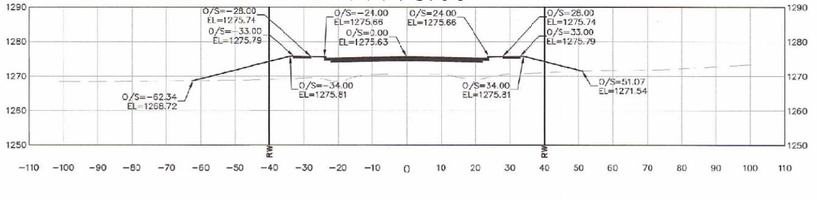
SHAFFER&HINES
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4063 - Fax: (417) 725-5230
Email: chines@shaffer&hines.com

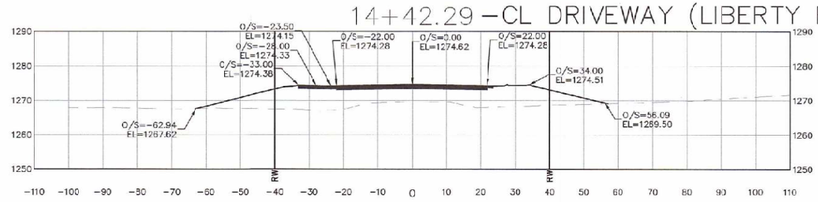
CROSS-SECTIONS
STA: 11+00 - 13+75

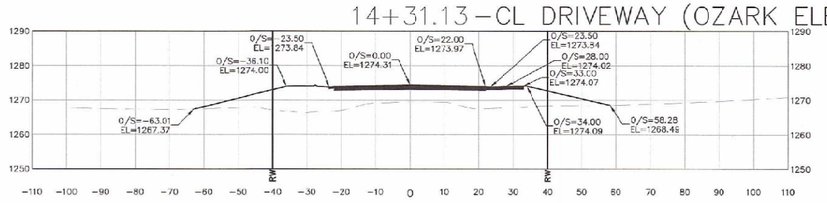
DESIGN BY	JCMH
DRAWN BY	GSM
CHK'D BY	JCMH
DATE	MAY 2023
SCALE	AS SHOWN
REVISIONS	
JOB NO.	222013
SHEET	XSEC 04

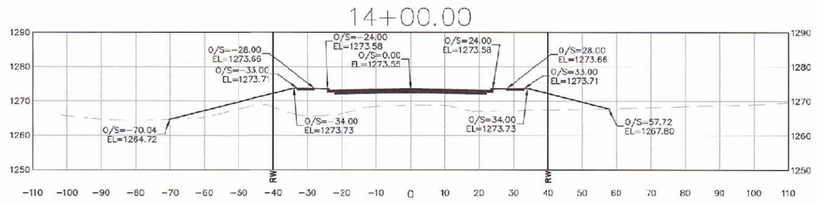


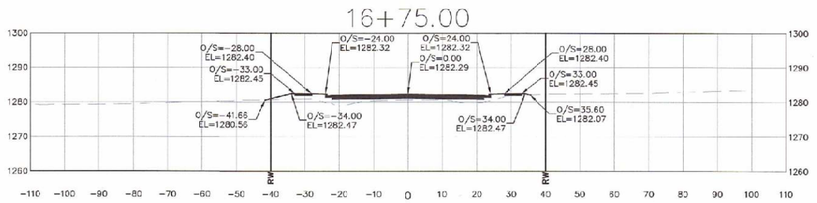


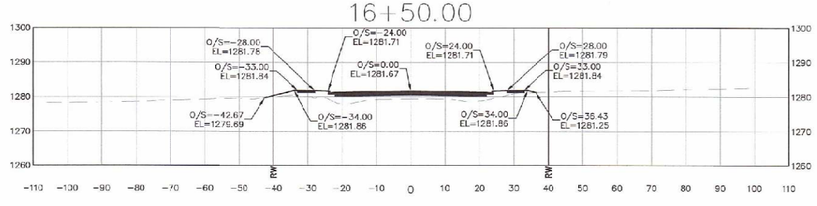


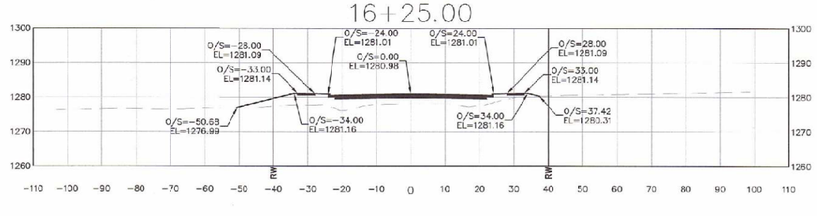


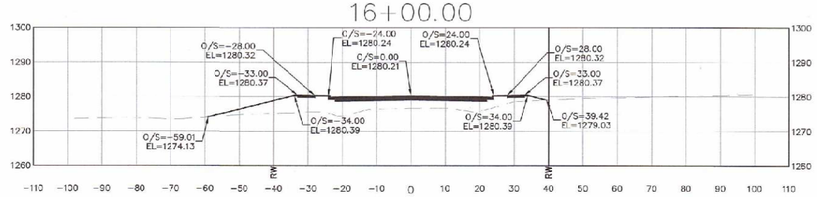


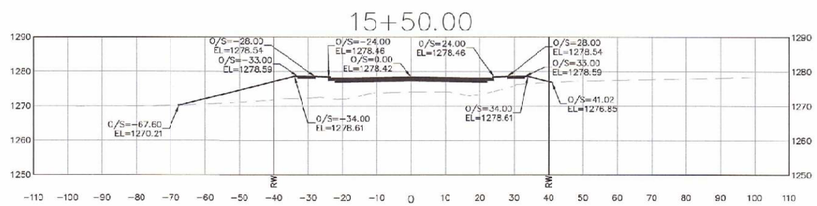












MAIN ST. - CROSS-SECTIONS

SCALE: HOR. 1" = 20'

Federal Project Number: STBG-9901(831)

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP-CALL BEFORE YOU DIG!

MAIN ST IMPROVEMENTS
FROM TRACKER RD. TO HWY CC

NIXA

Nixa, Christian County, Missouri

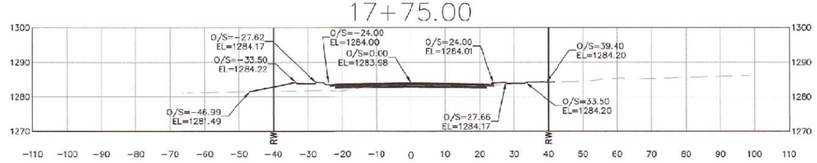
J. CLAYTON M. HINES E-29799 REGISTERED PROFESSIONAL ENGINEER

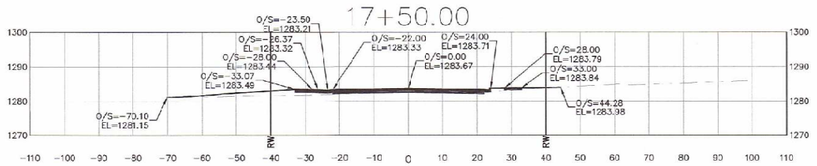
SHAFFER & HINES, INC.
CERTIFICATE OF AUTHORITY
LICENSE NO. 001665

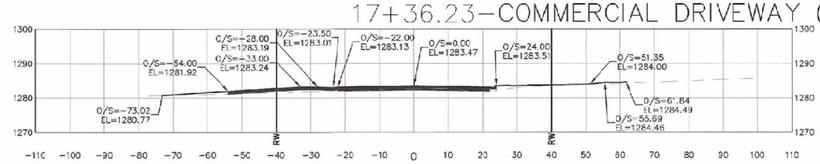
SHAFFER & HINES
CONSULTING ENGINEERS · REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 · Fax: (417) 725-5230
Email: chines@shafferhines.com

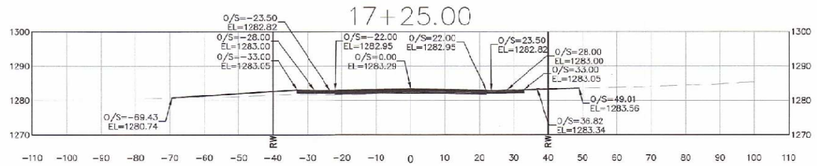
CROSS-SECTIONS
STA: 14+00 - 16+75

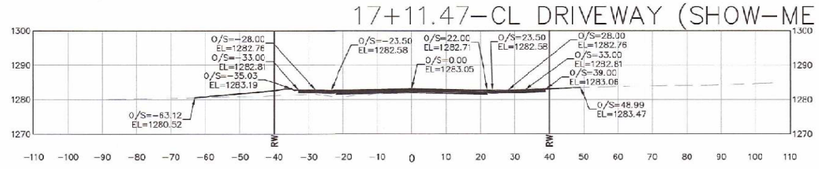
DESIGN BY	JCMH
DRAWN BY	GSM
CHK'D BY	JCMH
DATE	MAY 2023
SCALE	AS SHOWN
REVISIONS	
JOB NO.	222013
SHEET	XSEC 05

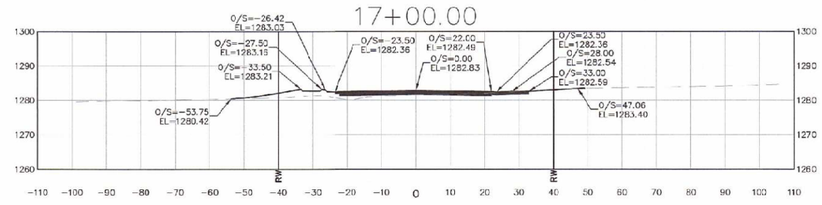


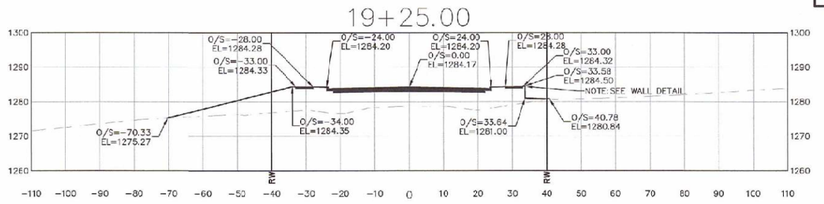


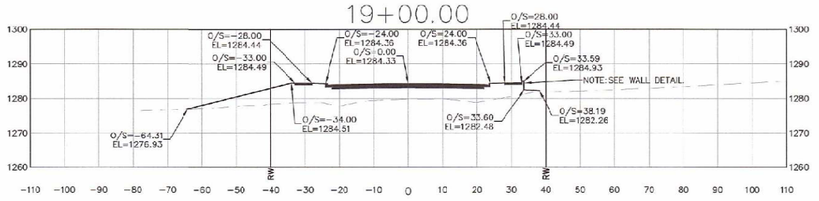


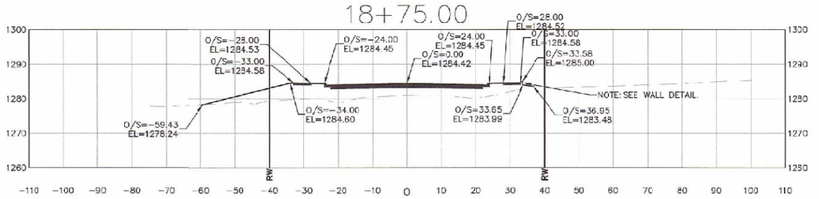


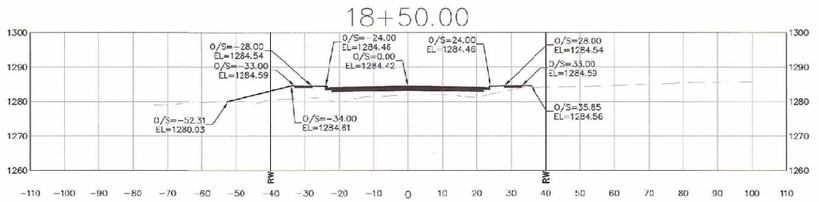


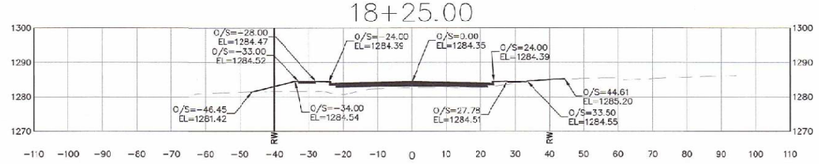


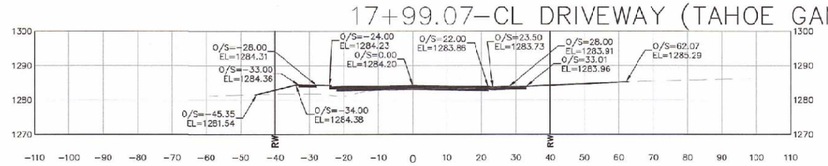












MAIN ST. - CROSS-SECTIONS

SCALE: HOR. 1" = 20'

Federal Project Number: STBG-9901(831)

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP-CALL BEFORE YOU DIG!

MAIN ST. IMPROVEMENTS
FROM TRACKER RD. TO HWY CC

Nixa, Christian County, Missouri

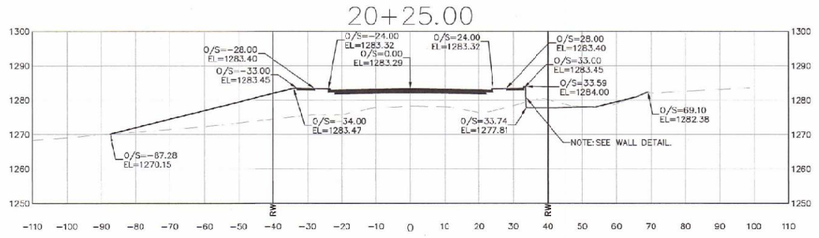
J. CLAYTON M. HINES E-29799

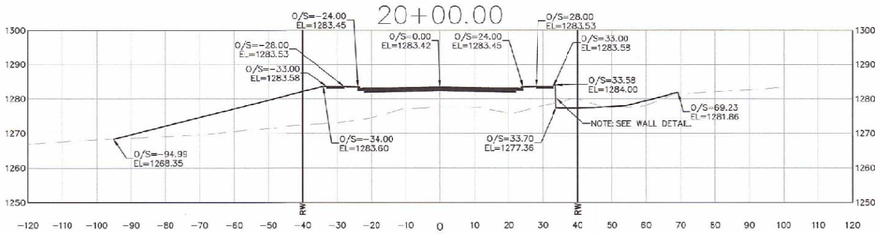
SHAFFER & HINES, INC.
CERTIFICATE OF AUTHORITY
LICENSE NO. 001665

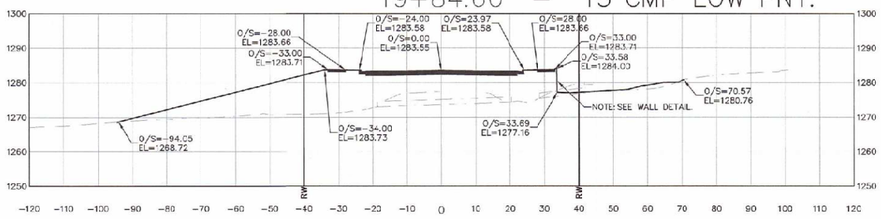
SHAFFER & HINES
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 - Fax: (417) 725-5230
Email: chines@shafferhines.com

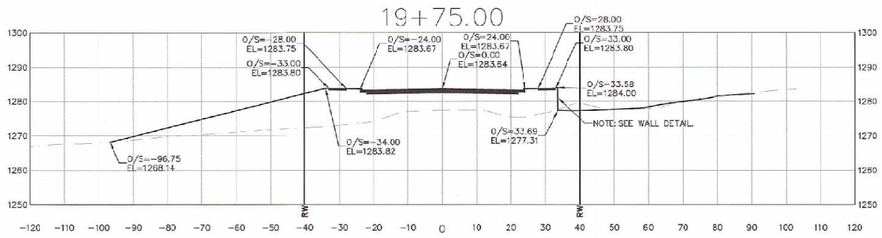
CROSS-SECTIONS
STA: 17+00 - 19+25

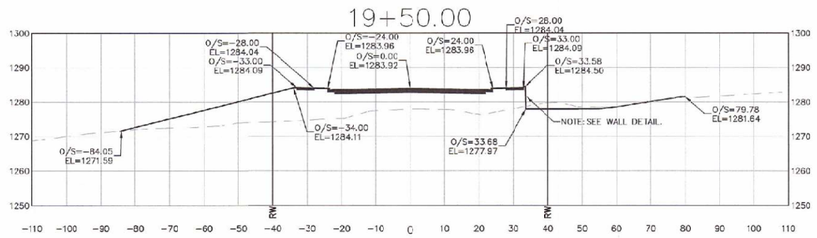
DESIGN BY	JCMH
DRAWN BY	GSM
CHK'D BY	JCMH
DATE	MAY 2022
SCALE	AS SHOWN
REVISIONS	
JOB NO.	222013
SHEET	XSEC 06

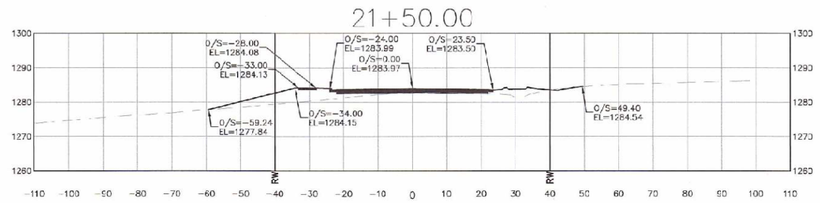


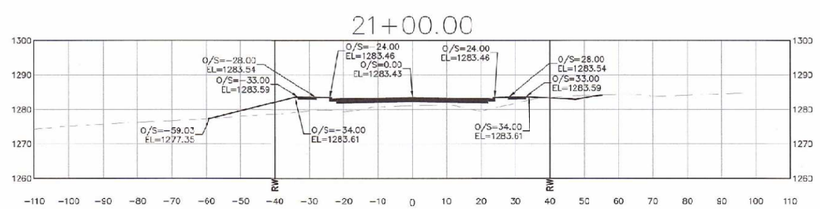


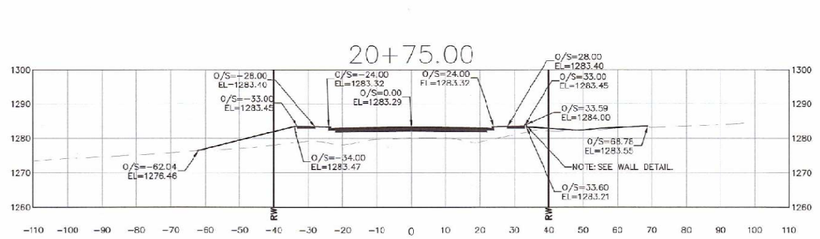


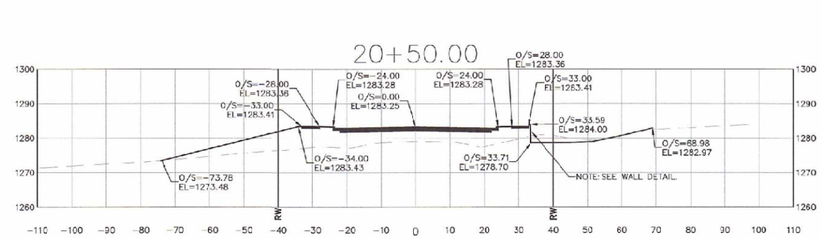












MAIN ST. - CROSS-SECTIONS

SCALE: HOR. 1" = 20'

Federal Project Number: STBG-9901(831)

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP-CALL BEFORE YOU DIG!

MAIN ST. IMPROVEMENTS
FROM TRACKER RD. TO HWY CC

Nixa, Christian County, Missouri

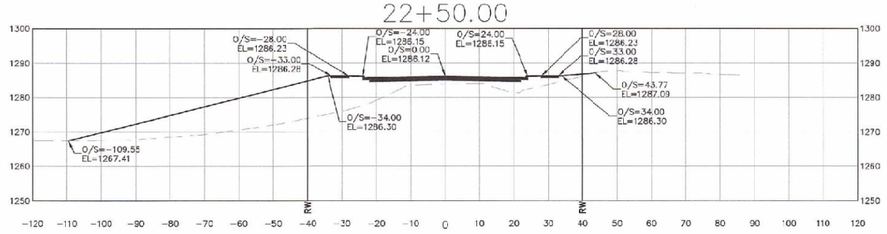
J. CLAYTON M. HINES E-29256 REGISTERED PROFESSIONAL ENGINEER

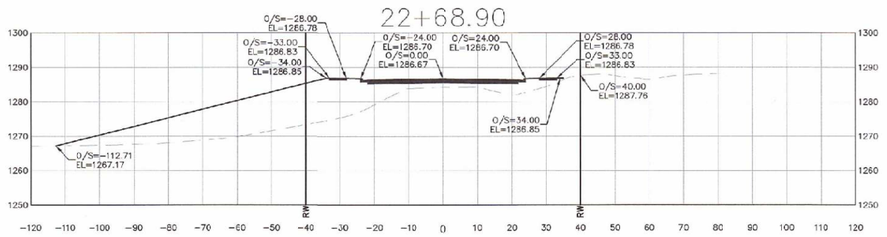
SHAFFER & HINES, INC.
CERTIFICATE OF AUTHORITY
LICENSE NO. 001665

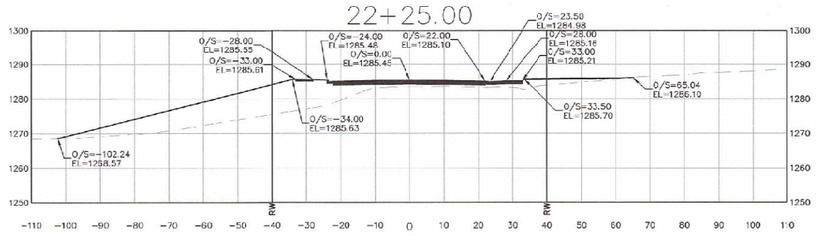
SHAFFER & HINES
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 - Fax: (417) 725-5230
Email: chines@shafferhines.com

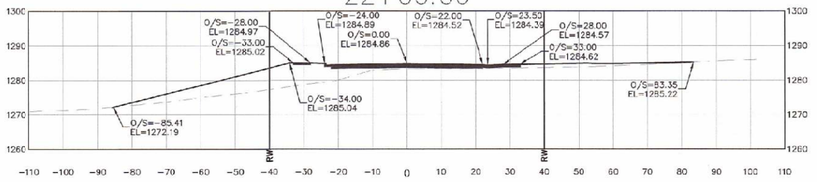
CROSS-SECTIONS
STA: 19+50 - 21+50

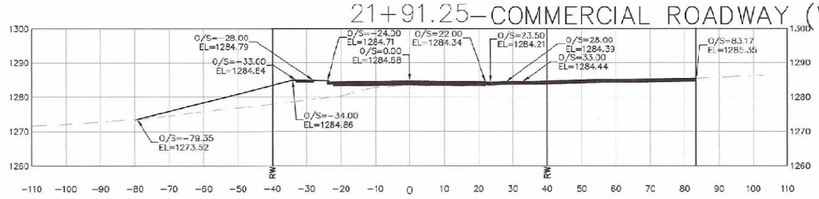
DESIGN BY	JMH
DRAWN BY	GSM
CHKD BY	JMH
DATE	MAY 2023
SCALE	AS SHOWN
REVISIONS	
JOB NO.	222013
SHEET	XSEC 07

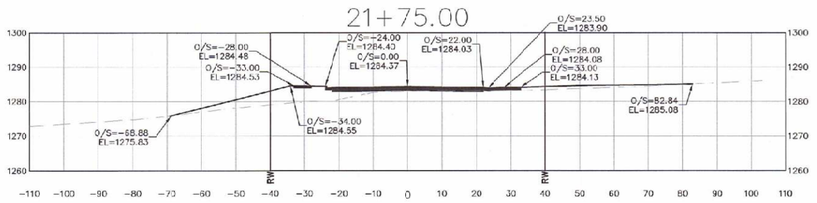












MAIN ST. - CROSS-SECTIONS

SCALE: HOR. 1" = 20'

Federal Project Number: STBG-9901(831)

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP - CALL BEFORE YOU DIG!

MAIN ST. IMPROVEMENTS
FROM TRACKER RD. TO HWY CC

Nixa, Christian County, Missouri

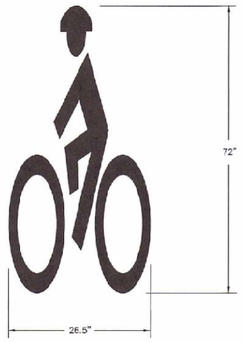
J. CLAYTON M. HINES E-29789 REGISTERED PROFESSIONAL ENGINEER

SHAFFER & HINES, INC.
CERTIFICATE OF AUTHORITY
LICENSE NO. 001665

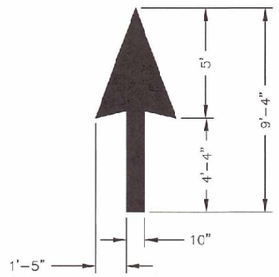
SHAFFER & HINES, INC.
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 - Fax: (417) 725-5230
Email: chines@shaffer-hines.com

CROSS-SECTIONS
STA 21+75 - 22+75

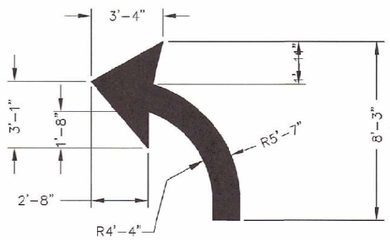
DESIGN BY	JCMH
DRAWN BY	GSM
CHK'D BY	JCMH
DATE	MAY 2023
SCALE	AS SHOWN
REVISIONS	
JOB NO.	222013
SHEET	XSEC 08



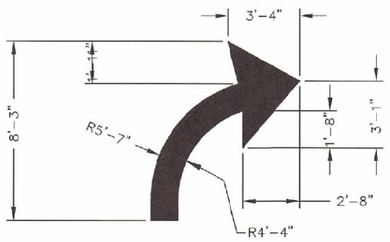
BYCICLE MARKING DETAIL
NTS



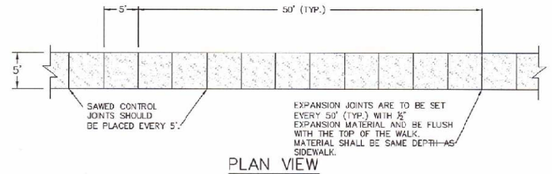
WHITE THRU ARROW
NOT TO SCALE



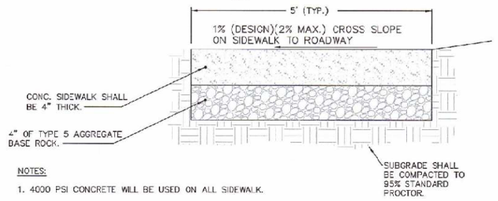
WHITE LEFT ARROW
NOT TO SCALE



WHITE LEFT ARROW
NOT TO SCALE



PLAN VIEW
NTS

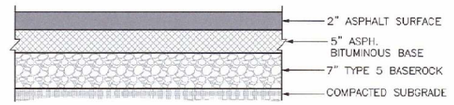


NOTES:

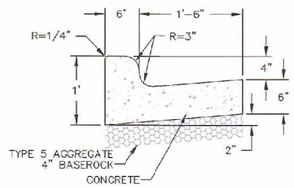
1. 4000 PSI CONCRETE WILL BE USED ON ALL SIDEWALK.
2. ALL FILL UNDER SIDEWALK SHALL BE TO 95% COMPACTION NONORGANIC MATERIAL APPROVED BY ENGINEER.
3. ALL SIDEWALK SHALL BE CONSTRUCTED TO MEET PROWAG REQUIREMENTS.

PROFILE VIEW
NTS

PORTLAND CEMENT CONCRETE SIDEWALK - TYPICAL SECTION
NTS

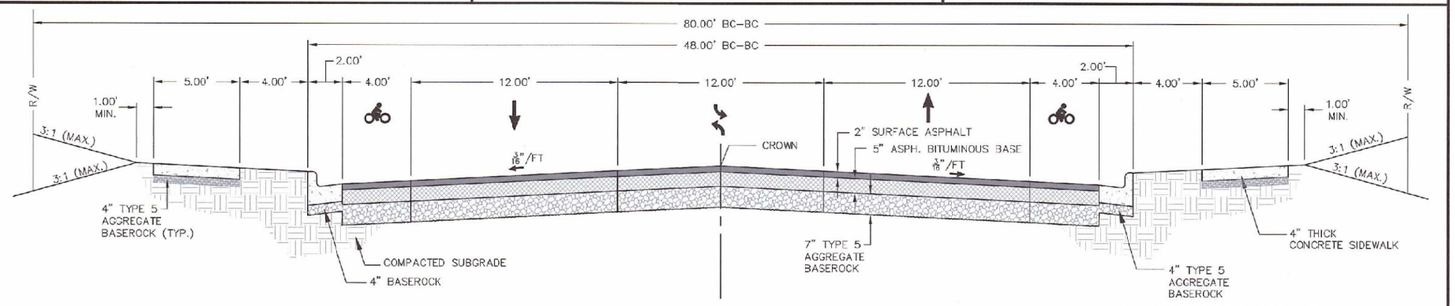


TYP. ASPHALT COMMERCIAL ROADWAY SECTION
(WINONA WAY STA:21+91.25, ROOK/KNIGHT STA:7+10.31, KNETZER/SCHERMER STA:17+36.23)
NTS



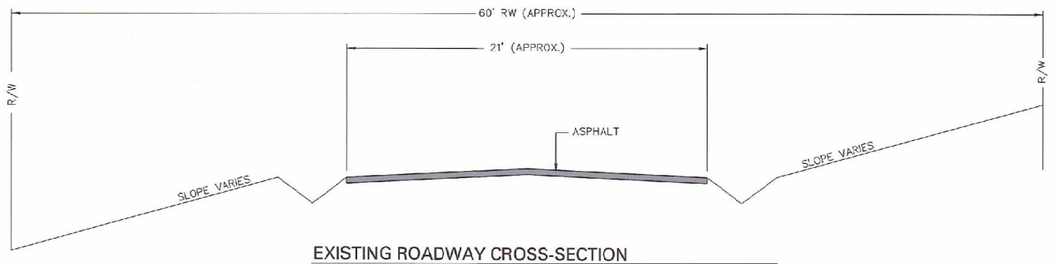
CONCRETE CURB AND GUTTER TYP. SECTION
NTS

TYP. ASPHALT DRIVEWAY SECTION
NTS



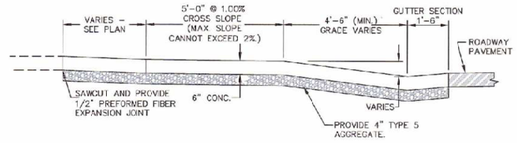
NOTE: USE THIS TYPICAL SECTION FOR WINONA WAY. THE ONLY DIFFERENCE IS THAT WINONA WAY IS 45' BC-BC AND DOES NOT HAVE SIDEWALK.

PROPOSED SECONDARY ARTERIAL TYPICAL SECTION (MAIN ST. & WINONA WAY)
SCALE: 1"=4'



EXISTING ROADWAY CROSS-SECTION
SCALE: 1"=4'

TYP. GRAVEL DRIVEWAY SECTION
NTS



CONCRETE APPROACH TYPICAL SECTION
NTS

Federal Project Number: STBG-9901(831)

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP-CALL BEFORE YOU DIG!

MAIN ST. IMPROVEMENTS
FROM TRACKER RD. TO HWY CC

NIXA

Nixa, Christian County, Missouri

J. CLAYTON M. HINES E-28799

SHAFFER & HINES, INC.
CERTIFICATE OF AUTHORITY
LICENSE NO. 001665

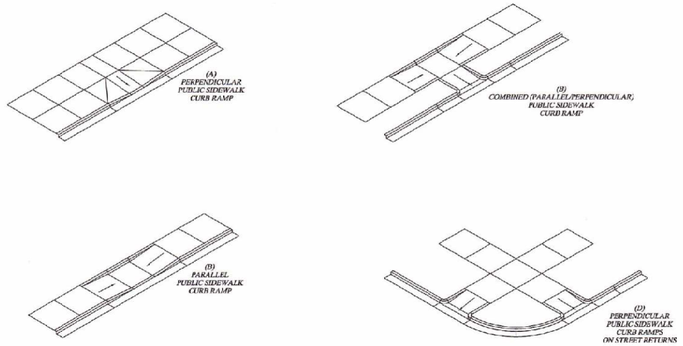
SHAFFER & HINES
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 - Fax: (417) 725-5230
Email: chines@shafferhines.com

DETAILS

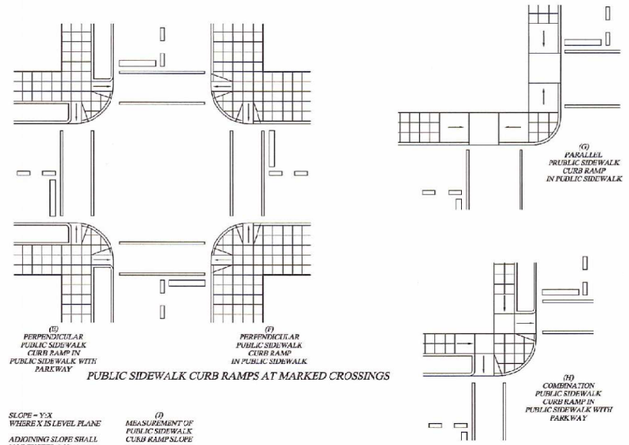
DESIGN BY JCMH
DRAWN BY GSM
CHK'D BY JCMH
DATE MAY 2023
SCALE AS SHOWN
REVISIONS

JOB NO.
222013

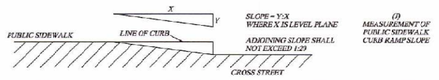
SHEET
DET 01



PUBLIC SIDEWALK CURB RAMPS



PUBLIC SIDEWALK CURB RAMPS AT MARKED CROSSINGS



ADA ACCESSIBILITY GUIDELINES
FOR BUILDINGS AND FACILITIES

SECTION 14.2.4 PUBLIC SIDEWALK CURB RAMPS (AS PUBLISHED IN FEDERAL REGISTER, JUNE 20, 1994)

(1) GENERAL

(A) A PUBLIC SIDEWALK CURB RAMP AND LEVEL LANDING COMPLYING WITH 14.2.4 SHALL BE PROVIDED WHEREVER A PUBLIC SIDEWALK CROSSES A CURB OR OTHER CHANGE IN LEVEL AT EACH STREET CROSSING AND WHERE OTHERWISE REQUIRED IN THIS SECTION AND SHALL BE CONNECTED TO A CONTINUOUS PASSAGE IN EACH DIRECTION OF TRAVEL.

(B) THE PROVISIONS OF (sections) 4.7 AND 4.8 DO NOT APPLY TO PUBLIC SIDEWALK CURB RAMPS.

(2) TYPES OF PUBLIC SIDEWALK CURB RAMPS
PUBLIC SIDEWALK CURB RAMPS SHALL BE PERPENDICULAR TO THE CURB AT STREET CROSSINGS AND EACH SHALL HAVE A LEVEL LANDING AT THE TOP (SEE FIG. (A)). AT MARKED CROSSINGS, THE BOTTOM OF THE RAMP RUN, EXCLUSIVE OF FLARED SIDES, SHALL BE WHOLLY CONTAINED WITHIN THE MARKINGS (SEE FIGS. (C) AND (F)). SINGLE (ie. DIAGONAL OR DEPRESSED CORNER) PUBLIC SIDEWALK CURB RAMPS SERVING TWO STREET CROSSING DIRECTIONS AND BUILT-UP (ie., PROJECTED) PUBLIC SIDEWALK CURB RAMPS ARE NOT PERMITTED IN NEW CONSTRUCTION.

EXCEPTION: WHERE PUBLIC PEDESTRIAN RIGHT-OF-WAY WIDTH ESTABLISHED BY LOCAL OR STATE REGULATION, GUIDELINE, OR PRACTICE WILL NOT ACCOMODATE A PERPENDICULAR PUBLIC SIDEWALK CURB RAMP AND LANDING COMPLYING WITH 14.2.4(2), A PARALLEL PUBLIC SIDEWALK CURB RAMP WITH A LEVEL LANDING AT ITS BOTTOM SHALL BE PROVIDED INSTEAD OF A PERPENDICULAR PUBLIC SIDEWALK CURB RAMP (SEE FIG. (B)). AT MARKED CROSSINGS, THE LANDING AT THE BOTTOM OF THE RAMP RUN SHALL BE WHOLLY CONTAINED WITHIN THE MARKINGS (SEE FIG. (D)). A COMBINATION OF PARALLEL AND PERPENDICULAR PUBLIC SIDEWALK CURB RAMPS AND LANDINGS MAY ALSO BE PROVIDED (SEE FIGS. (C) AND (H).

(3) WIDTH
PUBLIC SIDEWALK CURB RAMPS SHALL BE 36 IN. (915 MM) WIDE MINIMUM, EXCLUSIVE OF FLARED SIDES.

(4) LANDINGS

(A) WHERE A PERPENDICULAR PUBLIC SIDEWALK CURB RAMP IS PROVIDED, A LANDING THE WIDTH OF THE PUBLIC SIDEWALK CURB RAMP SHALL BE PROVIDED AT THE TOP OF THE RAMP RUN (SEE FIG. (A)). THE SLOPE OF THE LANDING SHALL NOT EXCEED 1:50 IN ANY DIRECTION. THE LANDING SHALL BE 48 IN. (1220 MM) MINIMUM IN LENGTH AND SHALL CONNECT TO THE CONTINUOUS PASSAGE IN EACH DIRECTION OF TRAVEL.

(B) WHERE A PARALLEL PUBLIC SIDEWALK CURB RAMP IS PROVIDED, AS PERMITTED IN 14.2.4(2) EXCEPTION, A LANDING THE WIDTH OF THE PARALLEL PUBLIC SIDEWALK CURB RAMP AND A MINIMUM OF 60 IN. (1525 MM) IN LENGTH IN THE DIRECTION OF THE RAMP RUN SHALL BE PROVIDED AT THE BOTTOM OF THE PARALLEL PUBLIC SIDEWALK CURB RAMP. THE SLOPE OF THE LANDING SHALL NOT EXCEED 1:50 IN ANY DIRECTION. AT MARKED CROSSINGS, THE REQUIRED LANDING AT THE BOTTOM OF THE PARALLEL PUBLIC SIDEWALK CURB RAMP SHALL BE WHOLLY CONTAINED WITHIN THE MARKINGS.

(C) WHERE PARALLEL AND PPERPENDICULAR PUBLIC SIDEWALK CURB RAMPS ARE COMBINED TO SERVE A STREET CROSSING, AS PERMITTED IN 14.2.4(2), THE LANDING REQUIRED FOR THE PERPENDICULAR PUBLIC SIDEWALK CURB RAMP MAY BE COINCIDENT WITH THAT PROVIDED FOR THE PARALLEL PUBLIC SIDEWALK CURB RAMP.

(5) SLOPE
THE MINIMUM FEASIBLE RUNNING SLOPE SHALL BE PROVIDED FOR ANY PUBLIC SIDEWALK CURB RAMP AND SHALL BE MEASURED FROM A LEVEL PLANE, AS SHOWN IN FIG. (J). THE MAXIMUM RUNNING SLOPE OF ANY PUBLIC SIDEWALK CURB RAMP SHALL BE 1:12. THE MAXIMUM CROSS SLOPE OF ANY PUBLIC SIDEWALK CURB RAMP SHALL BE 1:50.

EXCEPTION: A PARALLEL PUBLIC SIDEWALK CURB RAMP ALLOWED BY 14.2.4(2) EXCEPTION SHALL HAVE A MAXIMUM SLOPE OF 1:12 WHEN MEASURED FROM A LEVEL PLANE AS SHOWN IN FIG. (J) BUT SHALL NOT BE REQUIRED TO EXCEED 96 IN. (2440 MM) IN LENGTH.

(6) EDGES
WHERE A SIDE OF A PERPENDICULAR PUBLIC SIDEWALK CURB RAMP IS CONTIGUOUS WITH A PUBLIC SIDEWALK, IT SHALL BE FLARED, WITH A SLOPE OF 1:10 MAXIMUM. A PERPENDICULAR PUBLIC SIDEWALK CURB RAMP MAY HAVE A RETURNED SIDE OR FLARE OF ANY SLOPE WHEN NOT CONTIGUOUS WITH A PUBLIC SIDEWALK OR WHERE PROTECTED BY A GUARDRAIL OR OTHER BARRIER.

(7) SURFACES

(A) THE SURFACE OF A PUBLIC SIDEWALK CURB RAMP SHALL BE STABLE, FIRM AND SLIP-RESISTANT. GRATINGS AND SIMILAR ACCESS COVERS SHALL NOT BE LOCATED ON PUBLIC SIDEWALK CURB RAMPS OR LANDINGS. THE SURFACE OF A PERPENDICULAR PUBLIC SIDEWALK CURB RAMP OR THE LANDING OF A PARALLEL PUBLIC SIDEWALK CURB RAMP SHALL CONTRAST VISUALLY WITH ADJOINING PUBLIC SIDEWALK SURFACES, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT.

(B) DETECTABLE WARNINGS. (RESERVED)

(8) TRANSITIONS
TRANSITIONS SHALL BE FLUSH AND FREE OF ABRUPT CHANGES. COUNTER SLOPES OF ADJOINING GUTTERS AND ROAD SURFACES CONNECTING TO THE FULL WIDTH OF A PUBLIC SIDEWALK CURB RAMP CALL BE 1:20 MAXIMUM FOR A DISTANCE OF 24 IN. (610 MM) AS MEASURED FROM THE BASE OF THE PUBLIC SIDEWALK CURB RAMP OR LANDING EDGE AT THE STREET (SEE FIG. (J)). GRATINGS OR SIMILAR ACCESS COVERS SHALL NOT BE LOCATED IN THE AREA AT THE BASE OF THE PUBLIC SIDEWALK CURB RAMP OR LANDING.

(9) OBSTRUCTIONS
PUBLIC SIDEWALK CURB RAMPS SHALL BE LOCATED OR PROTECTED TO PREVENT THEIR OBSTRUCTION BY PARKED VEHICLES.

SECTION 14.3.2
SPECIAL TECHNICAL PROVISIONS FOR ALTERATIONS TO EXISTING PEDESTRIAN AREAS, ELEMENTS, AND FACILITIES IN THE PUBLIC RIGHT-OF-WAY.

(1) PUBLIC SIDEWALKS
WHERE NECESSARY TO PROVIDE A CONTINUOUS PASSAGE COMPLYING WITH 14.2.1, PUBLIC SIDEWALK SURFACES MAY BE WARPED OR BLENDED. WHERE COMPLIANCE WITH REQUIREMENTS FOR CROSS SLOPE WITHIN THE CONTINUOUS PASSAGE CANNOT BE FULLY MET DUE TO SITE INFEASIBILITY, THE MINIMUM CROSS SLOPE FEASIBLE SHALL BE PROVIDED. EXISTING GRATINGS AND SIMILAR APPURTENANCES THAT COMPLY WITH 14.2.1(2) AND (3) MAY BE LOCATED IN THE CONTINUOUS PASSAGE IF SITE FEASIBILITY PRECLUDES THEIR RELOCATION DURING ALTERATIONS.

(2) PUBLIC SIDEWALK CURB RAMPS
WHERE SITE INFEASIBILITY PRECLUDES THE INSTALLATION OF A PUBLIC SIDEWALK CURB RAMP COMPLYING WITH ALL PROVISIONS OF 14.2.2, THE MAXIMUM ACCESSIBILITY FEASIBLE SHALL BE PROVIDED, ACCORDING TO EACH OF THE FOLLOWING SPECIAL TECHNICAL PROVISIONS:

(A) TYPES OF PUBLIC SIDEWALK CURB RAMPS. PUBLIC SIDEWALK CURB RAMP TYPE SHALL BE DETERMINED BY EXISTING PUBLIC RIGHT-OF-WAY WIDTH AND THE EXISTENCE OF OTHER SITE CONSTRAINTS, IN THE FOLLOWING RECOMMENDED PRIORITY: (I) PERPENDICULAR, (II) PARALLEL OR COMBINED, AND (III) DIAGONAL. A PROJECTED (BUILT-UP) PUBLIC SIDEWALK CURB RAMP IS PERMITTED IN ALTERATIONS TO PUBLIC RIGHTS-OF-WAY WHERE OTHER DESIGNS CANNOT BE ACCOMODATED.

(B) WIDTH. (ENGINEER'S NOTE: FEDERAL WIDTH REQUIREMENT SUPERCEDED BY CITY CODE)

(C) LANDINGS. LANDINGS SHALL BE PROVIDED AND SHALL COMPLY WITH THE FOLLOWING SPECIAL TECHNICAL PROVISIONS:

(I) WHERE PUBLIC PEDESTRIAN RIGHT-OF-WAY WIDTH IS INSUFFICIENT TO ACCOMODATE A PERPENDICULAR PUBLIC SIDEWALK CURB RAMP WITH A TOP LANDING 48 IN (1220 MM) IN LENGTH, A BOTTOM LANDING OF THE MAXIMUM FEASIBLE LENGTH AND A MINIMUM LENGTH OF 36 IN. (915 MM) SHALL BE PROVIDED. SIDE FLARES SHALL HAVE A MAXIMUM SLOPE OF 1:12.

(II) WHERE SITE INFEASIBILITY PRECLUDES A PARALLEL PUBLIC SIDEWALK CURB RAMP WITH A BOTTOM LANDING 60 IN (1525 MM) IN LENGTH, A BOTTOM LANDING OF THE MAXIMUM FEASIBLE LENGTH AND A MINIMUM LENGTH OF 48 IN. (1220 MM) SHALL BE PROVIDED.

(III) WHERE SITE INFEASIBILITY PRECLUDES A LANDING SLOPE OF 1:50 IN ANY DIRECTION, THE SLOPE PERPENDICULAR TO THE CURB FACE SHALL NOT EXCEED 1:50.

(IV) WHERE SITE INFEASIBILITY PRECLUDES A LANDING SLOPE OF 1:50 WHEN MEASURED PERPENDICULAR TO THE CURB FACE, THE MINIMUM FEASIBLE SLOPE IN EACH DIRECTION SHALL BE PROVIDED.

(D) SLOPE

(I) WHERE PUBLIC RIGHT-OF-WAY WIDTH IS INSUFFICIENT TO ACCOMODATE A LANDING AND A PERPENDICULAR PUBLIC SIDEWALK CURB RAMP WITH A MAXIMUM RUNNING SLOPE OF 1:12, THE MINIMUM FEASIBLE RUNNING SLOPE BETWEEN 1:12 AND 1:10 IS PERMITTED FOR A RISE OF 6 IN. (150 MM) MAXIMUM.

(II) WHERE PUBLIC RIGHT-OF-WAY WIDTH IS INSUFFICIENT TO ACCOMODATE A LANDING AND PERPENDICULAR PUBLIC SIDEWALK CURB RAMP WITH A MAXIMUM RUNNING SLOPE OF 1:10, THE MINIMUM FEASIBLE RUNNING SLOPE BETWEEN 1:8 AND 1:10 SHALL BE PERMITTED FOR A RISE OF 3 IN. (75 MM) MAXIMUM.

(III) A PUBLIC SIDEWALK CURB RAMP SHALL HAVE THE MAXIMUM SLOPE PERMITTED IN (I) OR (II) WHEN MEASURED FROM A LEVEL PLANE AS SHOWN IN FIG. (J) BUT SHALL NOT BE REQUIRED TO EXCEED 72 IN. (1830 MM) IN LENGTH.

(IV) WHERE COMPLIANCE WITH REQUIREMENTS FOR CROSS SLOPE CANNOT BE FULLY MET DUE TO SITE INFEASIBILITY, THE MINIMUM FEASIBLE CROSS SLOPE SHALL BE PROVIDED.

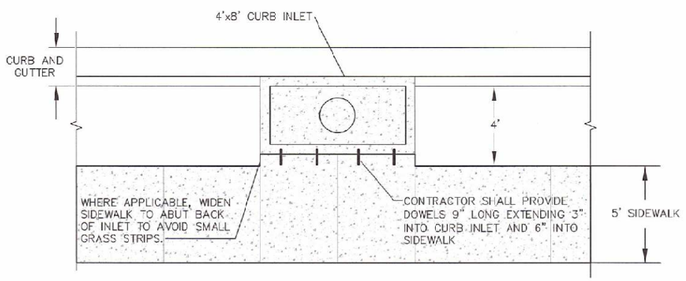
(E) SURFACES

(I) EXISTING GRATINGS AND SIMILAR APPURTENANCES THAT COMPLY WITH 14.2.1(2) AND (3) MAY BE LOCATED IN PUBLIC SIDEWALK CURB RAMPS IF SITE INFEASIBILITY PRECLUDES THEIR RELOCATION DURING ALTERATIONS.

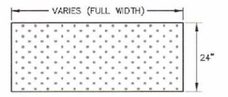
(II) WHERE COUNTER SLOPES OF EXISTING ADJOINING GUTTERS AND ROAD SURFACES EXCEED 1:20, NEWLY INSTALLED PUBLIC SIDEWALK CURB RAMP SURFACES MAY BE SLIGHTLY CROWNED AND PROJECTED BEYOND THE CURB FACE PROVIDED THE LEADING EDGE AT THE STREET SURFACE CAN BE SMOOTHLY BLENDED AND SIDES ARE FLARED, WITHOUT ABRUPT DROP-OFFS.

CONCRETE SIDEWALK AND MEDIAN NOTES:

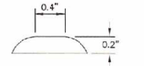
1. JOINTS SHALL BE FORMED AT RIGHT ANGLES TO THE ALIGNMENT OF THE SIDEWALK.
2. THE SIDEWALK SHALL BE MARKED OFF INTO SQUARE STONES BY CONTRACTION JOINTS. CONTRACTION JOINTS SHALL BE ¼" WIDE (MIN.) BY 1" DEEP AND SHALL BE FORMED BY TOOLING.
3. EXPANSION JOINTS SHALL BE FORMED BY A ½" THICK PREFORMED JOINT FILLER, EXTENDING THE FULL DEPTH OF THE SLAB, AND SECURED SO THAT THE JOINT FILLER IS NOT MOVED BY DEPOSITING AND COMPACTING THE CONCRETE AT THESE JOINTS.
4. EXPANSION JOINTS SHALL BE PLACED WHERE SIDEWALK ABUTS TO OTHER STRUCTURES AND SHALL NOT BE SPACED MORE THAN 50 FEET APART ON STRAIGHT RUNS FOR HAND LAID SIDEWALK AND NOT MORE THAN 100 FEET APART ON STRAIGHT RUNS FOR MACHINE LAID SIDEWALKS.



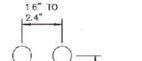
SIDEWALK ADJACENT TO CURB INELT
NTS



PLAN VIEW
NTS

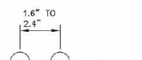


TRUNCATED DOMES CROSS SECTION
NTS

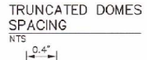


TRUNCATED DOMES SPACING
NTS

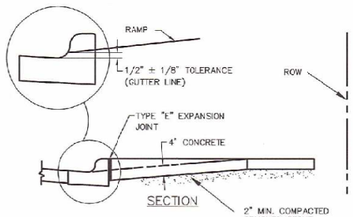
TRUNCATED DOME NOTES:
1. THE TRUNCATED DOME SURFACE AREA SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT.
2. TRUNCATED DOMES SHALL BE THE FULL WIDTH OF SIDEWALKS.
3. TRUNCATED DOMES SHALL BE ALIGNED ON A SQUARE GRID IN THE DIRECTION OF PEDESTRIAN TRAVEL TO PERMIT WHEELS TO ROLL BETWEEN DOMES, WHERE POSSIBLE.



TRUNCATED DOMES SPACING
NTS



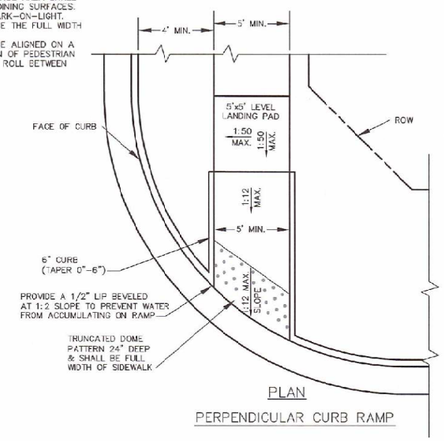
TRUNCATED DOMES CROSS SECTION
NTS



NOTE: ALL SIDEWALKS AND RAMPS SHALL FOLLOW PROWAG GUIDELINES

TRUNCATED DOME NOTES:

1. THE TRUNCATED DOME SURFACE AREA SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES. EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT.
2. TRUNCATED DOMES SHALL BE THE FULL WIDTH OF SIDEWALKS.
3. TRUNCATED DOMES SHALL BE ALIGNED ON A SQUARE GRID IN THE DIRECTION OF PEDESTRIAN TRAVEL TO PERMIT WHEELS TO ROLL BETWEEN DOMES, WHERE POSSIBLE.



PLAN
PERPENDICULAR CURB RAMP

Federal Project Number: STBG-9901(831)

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP-CALL BEFORE YOU DIG!

MAIN ST. IMPROVEMENTS
FROM TRACKER RD. TO HWY CC

NIXA
Nixa, Christian County, Missouri

J. CLAYTON M. HINES E-29758 — REGISTERED PROFESSIONAL ENGINEER — STATE OF MISSOURI

SHAFFER & HINES, INC.
CERTIFICATE OF AUTHORITY
LICENSE NO. 001665

SHAFFER & HINES
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 - Fax: (417) 725-5239
Email: chines@shaffehines.com

DETAILS

DESIGN BY JCMH
DRAWN BY GSM
CHK'D BY JCMH
DATE MAY 2023
SCALE AS SHOWN

REVISIONS

JOB NO. 222013

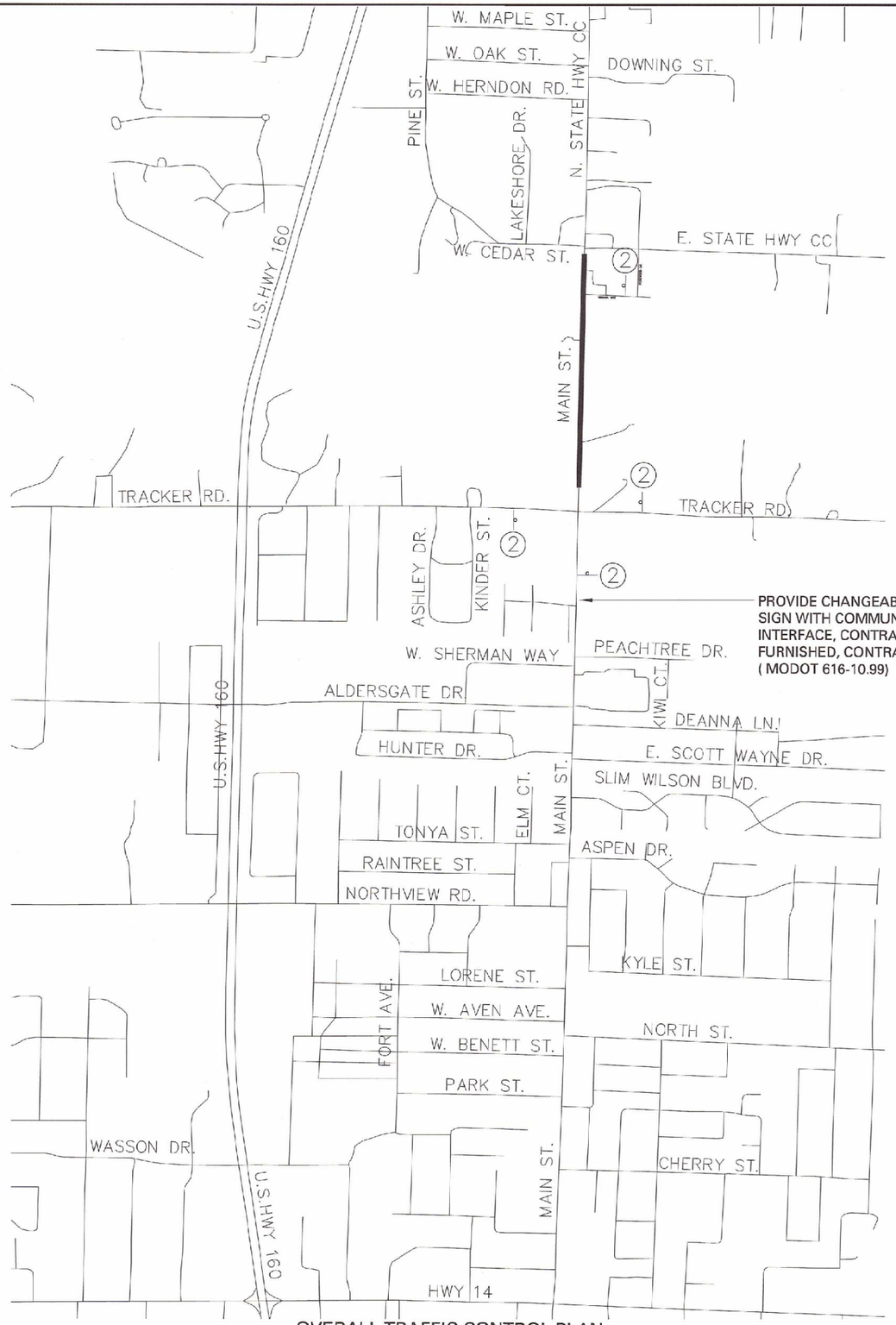
SHEET DET 02

ROAD WORK AHEAD

W020-1

(2)

(36"X36")



PROVIDE CHANGEABLE MESSAGE SIGN WITH COMMUNICATION INTERFACE, CONTRACTOR FURNISHED, CONTRACTOR RETAINED. (MODOT 616-10.99)

OVERALL TRAFFIC CONTROL PLAN

SCALE: HOR. 1" = 600'

Federal Project Number: STBG-9901(831)

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP-CALL BEFORE YOU DIG!

MAIN ST. IMPROVEMENTS FROM TRACKER RD. TO HWY CC

Nixa, Christian County, Missouri

J. CLAYTON HINES NUMBER E-29799 REGISTERED PROFESSIONAL ENGINEER

J. CLAYTON HINES E-29799

SHAFFER & HINES, INC. CERTIFICATE OF AUTHORITY LICENSE NO. 001665

SHAFFER & HINES
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 - Fax: (417) 725-5230
Email: chines@shafferhines.com

OVERALL TRAFFIC CONTROL

DESIGN BY JCMH
DRAWN BY CSM
CHK'D BY JCMH
DATE MAY 2023
SCALE AS SHOWN

REVISIONS

JOB NO. 222013

SHEET TCP 01

ROAD CLOSED

R11-2

5

(60"X30")

ROAD CLOSED AHEAD

W020-3

7

(36"X36")

ROAD CLOSED 200 FT

W020-3

8

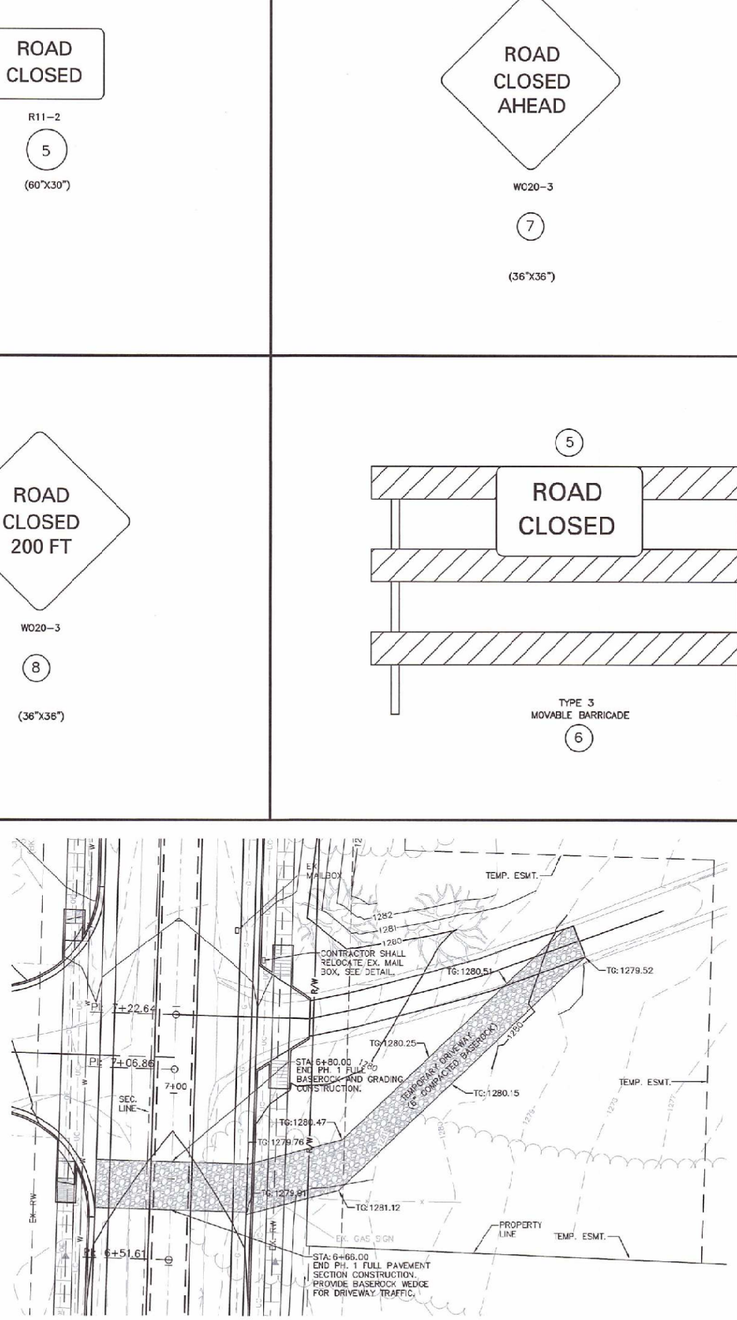
(36"X36")

5

ROAD CLOSED

TYPE 3
MOVABLE BARRICADE

6



WYATT TEMPORARY DRIVEWAY

SCALE: HOR. 1" = 20'

NOTE:
1. TEMPORARY DRIVEWAY SHALL BE BUILT WITH PHASE 1 CONSTRUCTION.
2. TEMPORARY DRIVEWAY SHALL BE UTILIZED DURING PHASE 2 CONSTRUCTION.
3. ACCESS TO THE WYATT RESIDENCE SHALL BE PROVIDED AT ALL TIMES.

TRAFFIC CONTROL PLAN - PHASE 1

SCALE: HOR. 1" = 200'

Federal Project Number: STBG-9901(831)

MISSOURI ONE CALL SYSTEM, INC.
1-800-344-7483
STOP-CALL BEFORE YOU DIG!

MAIN ST. IMPROVEMENTS
FROM TRACKER RD. TO HWY CC

Nixa, Christian County, Missouri

J. CLAYTON M. HINES E-29799
REGISTERED PROFESSIONAL ENGINEER

SHAFFER & HINES, INC.
CERTIFICATE OF AUTHORITY
LICENSE NO. 001665

SHAFFER & HINES
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 - Fax: (417) 725-5230
Email: chines@shafferhines.com

TRAFFIC CONTROL PLAN
PHASE 1

DESIGN BY JCMH
DRAWN BY GSM
CHK'D BY JCMH
DATE MAY 2023
SCALE AS SHOWN

REVISIONS

JOB NO.
222013

SHEET
TCP 02

ROAD CLOSED

R11-2

5

(60"X30")

ROAD CLOSED AHEAD

W020-3

7

(36"X36")

ROAD CLOSED 200 FT

W020-3

8

(36"X36")

ROAD CLOSED TO THRU TRAFFIC

R11-4

9

(60"X30")

5

ROAD CLOSED

TYPE 3 MOVABLE BARRICADE

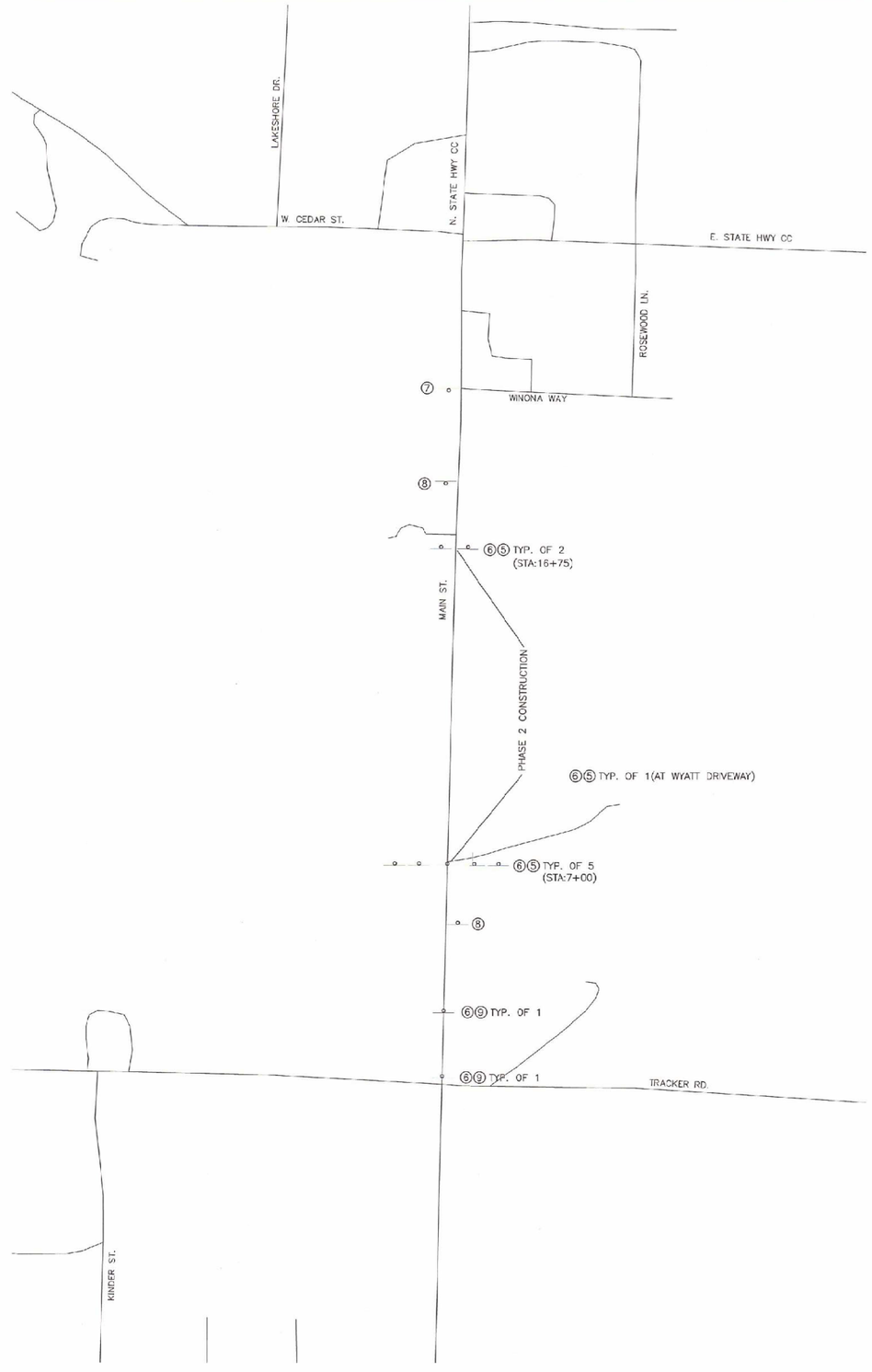
6

9

ROAD CLOSED TO THRU TRAFFIC

TYPE 3 MOVABLE BARRICADE

6



TRAFFIC CONTROL PLAN - PHASE 2

SCALE: HOR. 1" = 200'

NORTH

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP-CALL BEFORE YOU DIG!

MAIN ST. IMPROVEMENTS
FROM TRACKER RD. TO HWY CC

NIXA

Nixa, Christian County, Missouri

J. CLAYTON M. HINES NUMBER E-29799 REGISTERED PROFESSIONAL ENGINEER

J. CLAYTON M. HINES E-29799

SHAFFER & HINES, INC.
CERTIFICATE OF AUTHORITY
LICENSE NO. 001665

SHAFFER & HINES
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 - Fax: (417) 725-5230
Email: chines@shafferhines.com

TRAFFIC CONTROL PLAN
PHASE 2

DESIGN BY	JCMH
DRAWN BY	GSM
CHK'D BY	JCMH
DATE	MAY 2023
SCALE	AS SHOWN
REVISIONS	
JOB NO.	222013
SHEET	TCP 03

Federal Project Number: STBG-9901(831)

ROAD
CLOSED

R11-2

5

(60"X30")

ROAD
CLOSED
200 FT

W020-3

8

(36"X36")

ROAD CLOSED
TO
THRU TRAFFIC

R11-4

9

(60"X30")

5

ROAD
CLOSED

TYPE 3
MOVABLE BARRICADE

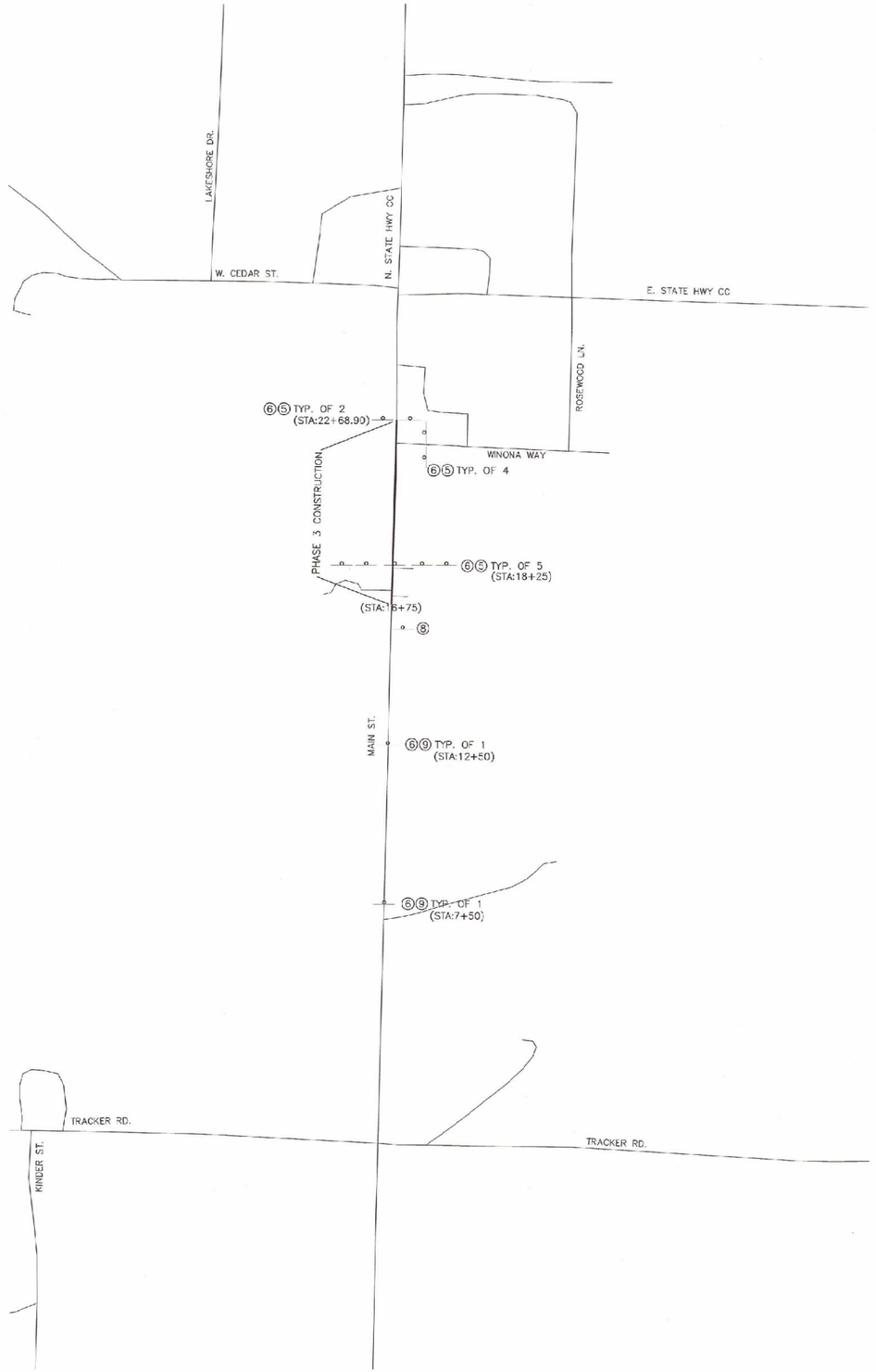
6

9

ROAD CLOSED
TO
THRU TRAFFIC

TYPE 3
MOVABLE BARRICADE

6



TRAFFIC CONTROL PLAN - PHASE 3

SCALE: HOR. 1" = 200'

Federal Project Number: STBG-9901(831)

NORTH

MISSOURI ONE CALL SYSTEM, INC.
1-800-344-7483
STOP-CALL BEFORE YOU DIG!

MAIN ST. IMPROVEMENTS
FROM TRACKER RD. TO HWY CC

NIXA

Nixa, Christian County, Missouri

J. CLAYTON M. HINES E-29799
REGISTERED PROFESSIONAL ENGINEER
J. CLAYTON M. HINES NUMBER E-29799
AC '21

SHAFFER & HINES, INC.
CERTIFICATE OF AUTHORITY
LICENSE NO. 001665

SHAFFER&HINES
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 - Fax: (417) 725-5230
Email: chines@shafferhines.com

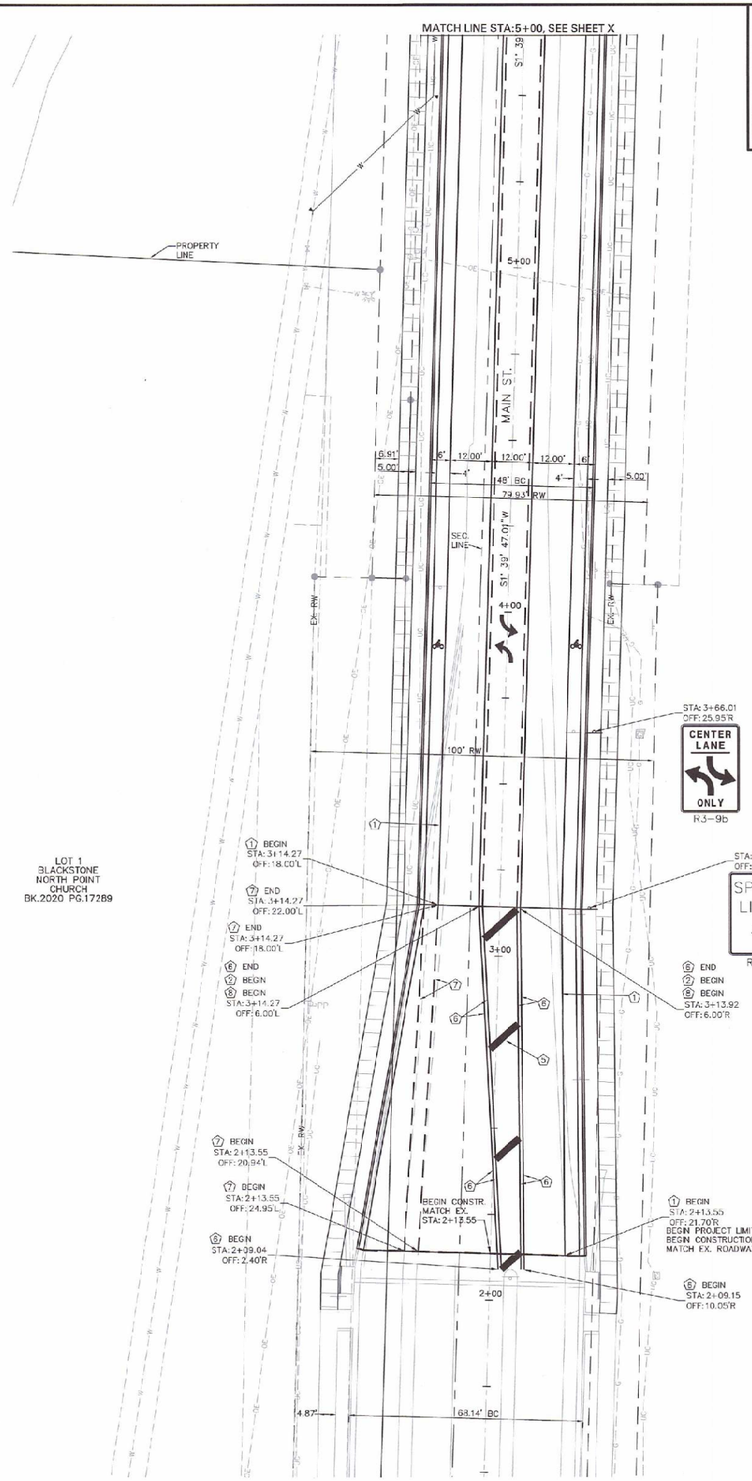
TRAFFIC CONTROL PLAN
PHASE 3

DESIGN BY JCMH
DRAWN BY GSM
CHKD BY JCMH
DATE MAY 2023
SCALE AS SHOWN

REVISIONS

JOB NO.
222013

SHEET
TCP 04



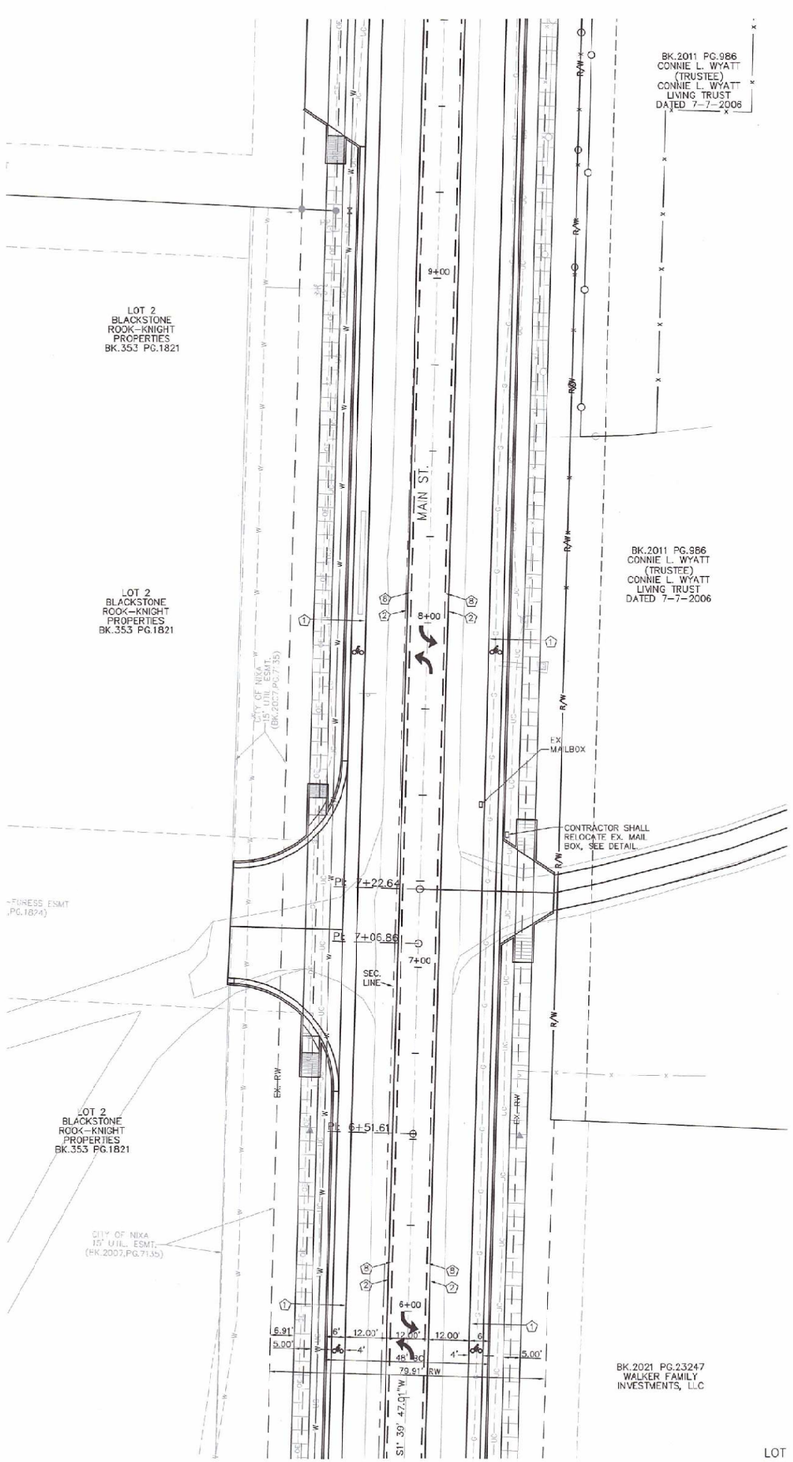
NORTH

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP-CALL BEFORE YOU DIG!

PAVEMENT MARKINGS LEGEND	
1	4" WHITE PAINT STRIPE
2	4" YELLOW PAINT STRIPE
4	24" WHITE PAINT STRIPE
5	24" YELLOW PAINT STRIPE
6	DOUBLE 4" YELLOW PAINT STRIPE
7	4" INTERMITTENT WHITE PAINT STRIPE
8	4" INTERMITTENT YELLOW PAINT STRIPE
9	6" WHITE PAINT STRIPE

MAIN ST. - SIGNAGE & STRIPING PLAN

SCALE: HOR. 1" = 20'



MAIN ST. - SIGNAGE & STRIPING PLAN

SCALE: HOR. 1" = 20'

Federal Project Number: STBG-9901(831)

MAIN ST. IMPROVEMENTS
FROM TRACKER RD. TO HWY CC

NIXA

Nixa, Christian County, Missouri

J. CLAYTON W. HINES E-29796
REGISTERED PROFESSIONAL ENGINEER
STATE OF MISSOURI

SHAFFER & HINES, INC.
CERTIFICATE OF AUTHORITY
LICENSE NO. 001665

SHAFFER & HINES
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 - Fax: (417) 725-5230
Email: chines@shaffer-hines.com

MAIN ST.
SIGNAGE & STRIPING
PLAN

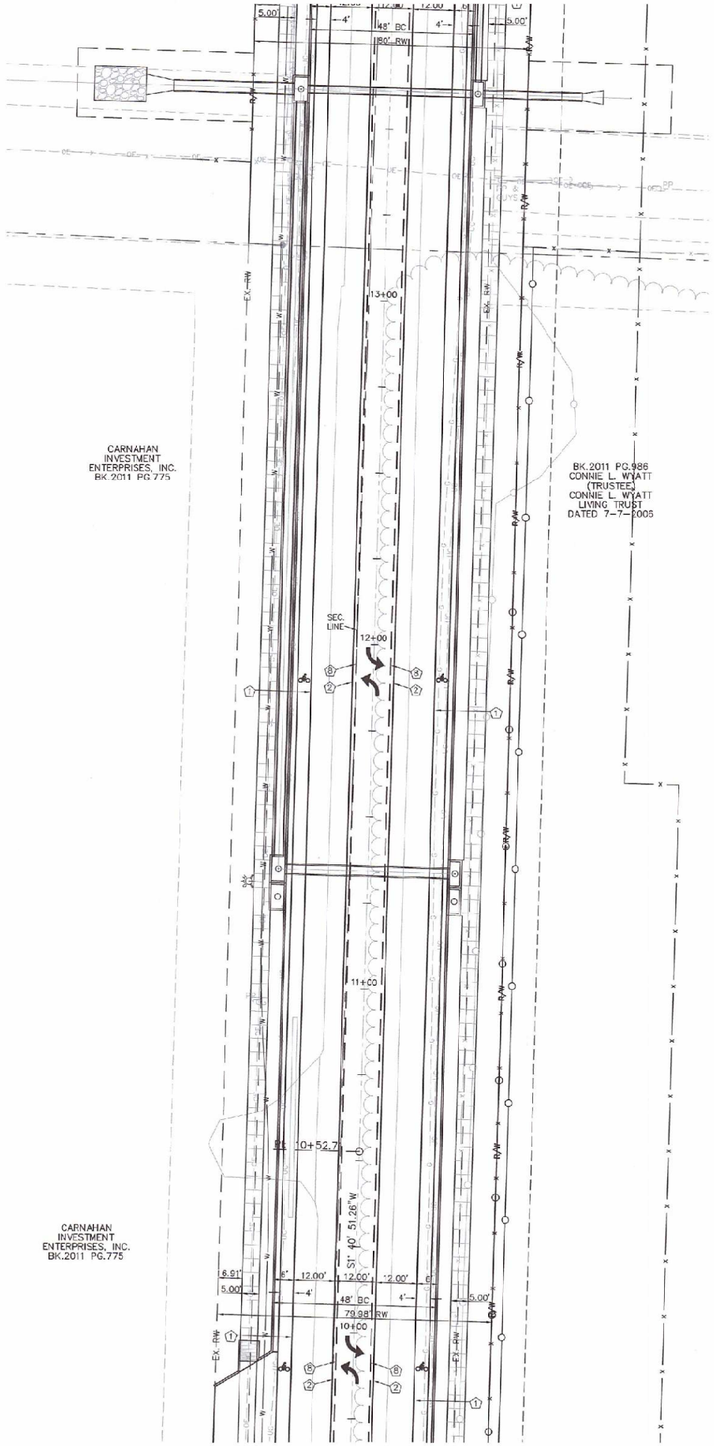
DESIGN BY JCMH
DRAWN BY GSM
CHK'D BY JCMH
DATE MAY 2023
SCALE AS SHOWN

REVISIONS

JOB NO.
222013

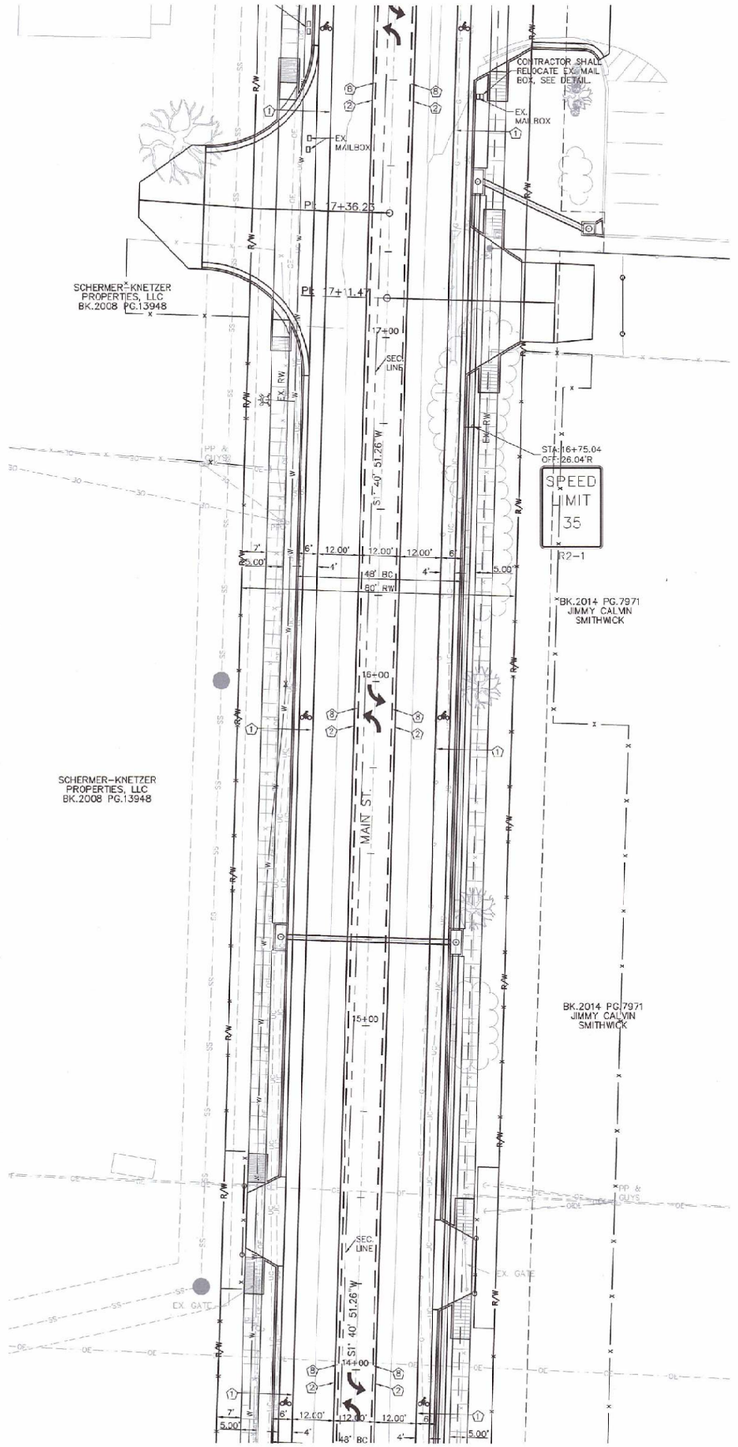
SHEET
SIGN 01

PAVEMENT MARKINGS LEGEND	
1	4" WHITE PAINT STRIPE
2	4" YELLOW PAINT STRIPE
4	24" WHITE PAINT STRIPE
5	24" YELLOW PAINT STRIPE
6	DOUBLE 4" YELLOW PAINT STRIPE
7	4" INTERMITTENT WHITE PAINT STRIPE
8	4" INTERMITTENT YELLOW PAINT STRIPE
9	6" WHITE PAINT STRIPE



MAIN ST. - SIGNAGE & STRIPING PLAN

SCALE: HOR. 1" = 20'



MAIN ST. - SIGNAGE & STRIPING PLAN

SCALE: HOR. 1" = 20'

Federal Project Number: STBG-9901(831)

MAIN ST. IMPROVEMENTS
FROM TRACKER RD. TO HWY CC

Nixa, Christian County, Missouri

J. CLAYTON HINES NUMBER E-29799 REGISTERED PROFESSIONAL ENGINEER
J. CLAYTON HINES E-29799

SHAFFER & HINES, INC.
CERTIFICATE OF AUTHORITY
LICENSE NO. 001665

SHAFFER & HINES
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 - Fax: (417) 725-5230
Email: chines@shafferhines.com

MAIN ST.
SIGNAGE & STRIPING
PLAN

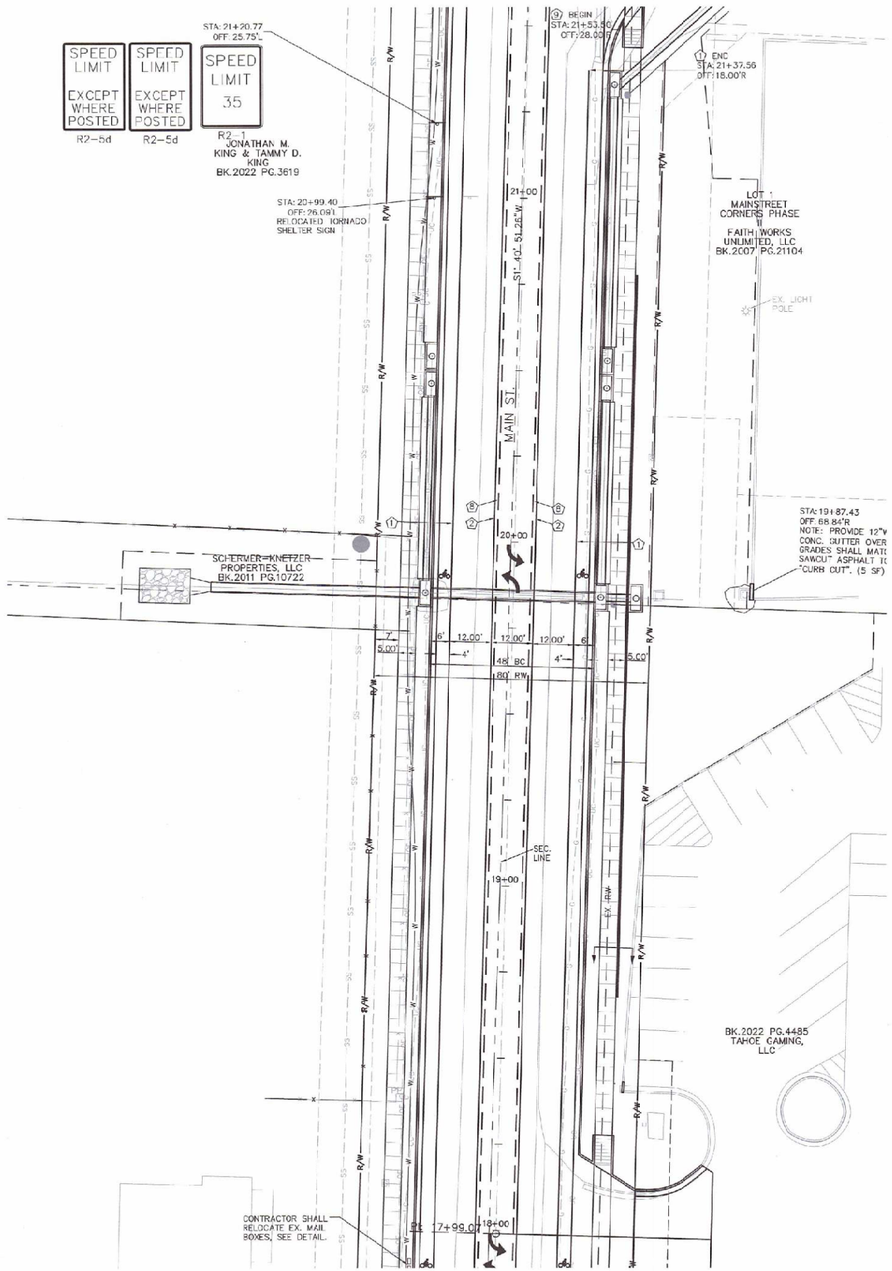
DESIGN BY	JCMH
DRAWN BY	GSM
CHK'D BY	JCMH
DATE	MAY 2023
SCALE	AS SHOWN

REVISIONS

JOB NO. 222013

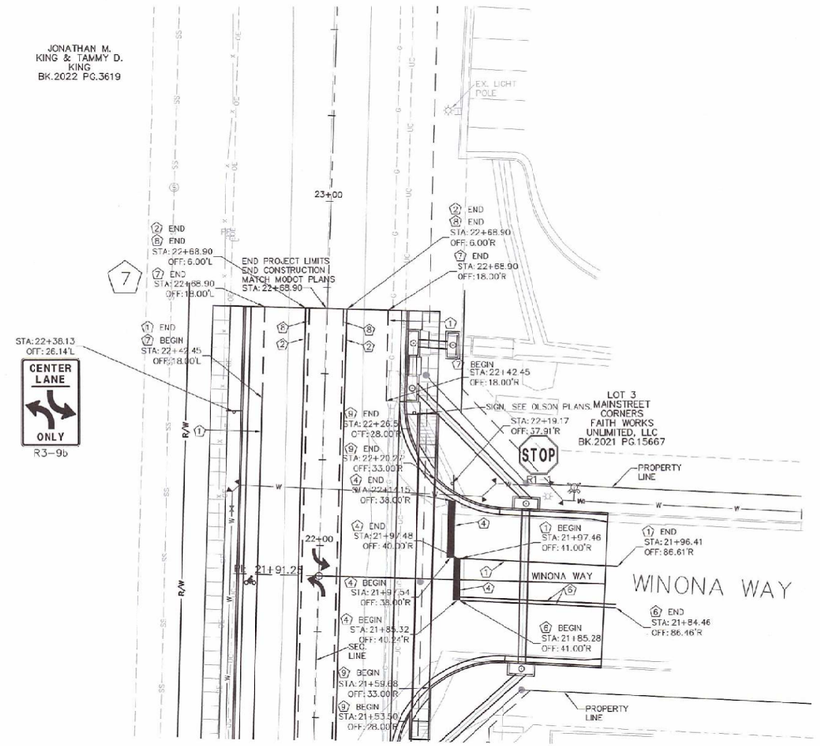
SHEET SIGN 02

PAVEMENT MARKINGS LEGEND	
1	4" WHITE PAINT STRIPE
2	4" YELLOW PAINT STRIPE
4	24" WHITE PAINT STRIPE
5	24" YELLOW PAINT STRIPE
6	DOUBLE 4" YELLOW PAINT STRIPE
7	4" INTERMITTENT WHITE PAINT STRIPE
8	4" INTERMITTENT YELLOW PAINT STRIPE
9	6" WHITE PAINT STRIPE



MAIN ST. - SIGNAGE & STRIPING PLAN

SCALE: HOR. 1" = 20'



MAIN ST. - SIGNAGE & STRIPING PLAN

SCALE: HOR. 1" = 20'

Federal Project Number: STBG-9901(831)

NORTH

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP-CALL BEFORE YOU DIG!!

MAIN ST. IMPROVEMENTS
FROM TRACKER RD. TO HWY CC

NIXA

Nixa, Christian County, Missouri

J. CLAYTON WHITE NUMBER E-29799 REGISTERED PROFESSIONAL ENGINEER

SHAFFER & HINES, INC.
CERTIFICATE OF AUTHORITY
LICENSE NO. 001665

SHAFFER & HINES
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4063 - Fax: (417) 725-5230
Email: chines@shafferhines.com

MAIN ST.
SIGNAGE & STRIPING PLAN

DESIGN BY	JCWH
DRAWN BY	GSM
CHKD BY	JCWH
DATE	MAY 2023
SCALE	AS SHOWN
REVISIONS	
JOB NO.	222013
SHEET	SIGN 03

SEDIMENT AND EROSION CONTROL PLAN

MDNR LAND DISTURBANCE PERMIT NO. _____

SEDIMENT AND EROSION CONTROL PLAN

PROPERTY OWNER:
CITY OF NIXA
PO BOX 395
NIXA, MO 65714
(CONTACT) NATE MILLER 417-725-2353

DISTURBED AREA:
5.4± ACRES, MORE OR LESS

CONTRACTOR:
(CONTRACTOR SHALL LIST INFORMATION HERE PRIOR TO CONSTRUCTION)

MAIN ST. IMPROVEMENTS
FROM TRACKER RD. TO HWY CC

Nixa, Christian County, Missouri

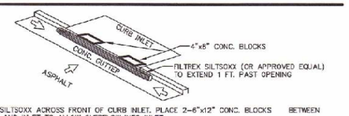
SEDIMENT AND EROSION CONTROL PLAN

CONSTRUCTION SEQUENCE:

1. INSTALL VEHICLE TRACKING PAD
2. INSTALL SILT FENCE AS SHOWN.
3. INSTALL UTILITIES AND STORM SEWER.
4. STRIP ALL TOPSOIL FROM PROPOSED GRADING AREAS AND STOCKPILE. STOCKPILE SLOPES SHALL NOT BE STEEPER THAN 3:1 A SILT FENCE SHALL BE INSTALLED AROUND THE STOCKPILE TO PREVENT LOSS OF TOPSOIL.
5. GRADE THE ENTIRE SITE AS SHOWN ON THE GRADING PLAN.
6. IF GRADING STOPS FOR A PERIOD OF 14 DAYS OR MORE, SEED AND STRAW AREAS AFFECTED WITH RAPIDLY GROWING PLANTS.
7. CONSTRUCT STREETS AND SIDEWALKS.
8. AFTER GRADING IS COMPLETE, PLACE TOPSOIL AT A MINIMUM DEPTH OF 4" IN ALL AREAS EXCEPT IMPERVIOUS AREAS. SEED AND STRAW ALL AREAS.

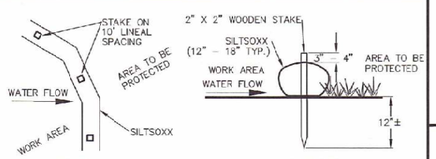
CITY OF NIXA STORMWATER & SITE GRADING NOTES:

1. THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY OF THE PLANS (APPROVED BY THE CITY OF NIXA) AND ONE (1) COPY OF THE APPROPRIATE CONSTRUCTION SPECIFICATIONS AT THE JOB SITE AT ALL TIMES.
2. CONSTRUCTION OF THE IMPROVEMENTS SHOWN OR IMPLIED BY THIS SET OF DRAWINGS SHALL NOT BE INITIATED OR ANY PART THEREOF UNDERTAKEN UNTIL THE CITY OF NIXA IS NOTIFIED OF SUCH INTENT, AND ALL REQUIRED AND PROPERLY EXECUTED BONDS AND PERMIT FEES ARE RECEIVED AND APPROVED BY THE CITY OF NIXA.
3. THE CITY OF NIXA CONSTRUCTION SPECIFICATIONS, LATEST EDITION, SHALL GOVERN CONSTRUCTION OF THIS PROJECT.
4. ALL EXISTING UTILITIES INDICATED ON THE DRAWINGS ARE ACCORDING TO THE BEST INFORMATION AVAILABLE TO THE ENGINEER; HOWEVER, ALL UTILITIES ACTUALLY EXISTING MAY NOT BE SHOWN. UTILITIES DAMAGED THROUGH NEGLIGENCE OF THE CONTRACTOR TO OBTAIN THE LOCATION OF SAME SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
5. ALL BACKFILL SHALL BE COMPACTED.
6. ALL MATERIALS AND WORKMANSHIP ASSOCIATED WITH THIS PROJECT SHALL BE SUBJECT TO INSPECTION BY THE CITY OF NIXA. THE CITY OF NIXA RESERVES THE RIGHT TO ACCEPT OR REJECT ANY SUCH MATERIALS AND WORKMANSHIP THAT DOES NOT CONFORM TO THE CITY OF NIXA CONSTRUCTION SPECIFICATIONS.
7. THE CONTRACTOR SHALL NOTIFY THE CITY OF NIXA PUBLIC WORK'S DEPARTMENT A MINIMUM OF TWENTY-FOUR (24) HOURS PRIOR TO THE BEGINNING OF CONSTRUCTION. IN ADDITION A MINIMUM OF TWENTY-FOUR (24) HOURS NOTICE SHALL BE PROVIDED FOR ANY REQUIRED INSPECTIONS.
8. RELOCATION OF ANY WATER LINE, SEWER LINE OR SERVICE LINE THEREOF REQUIRED FOR THE CONSTRUCTION OF THIS PROJECT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE AT HIS EXPENSE.



NOTES
1) PLACE SILTSOXX ACROSS FRONT OF CURB INLET. PLACE 2-4"x12" CONC. BLOCKS BETWEEN SILT SOXX AND INLET TO ALLOW OVERFLOW INTO INLET.
2) PRIOR TO INSTALL OF CURBING – A STORMWATER INLET MAYBE BE SECURELY WRAPPED OF LANDSCAPE FILTER FABRIC TO PREVENT SEDIMENT ENTRY.
3) THE CONTRACTOR IS TO REMOVE SEDIMENTS AFTER EACH RAINFALL. NO SEDIMENTS OR MUD ARE TO BE LEFT IN THE STREET.

SEDIMENT TRAP AT CURB INLET
TO BE INSTALLED AT ALL CURB INLETS

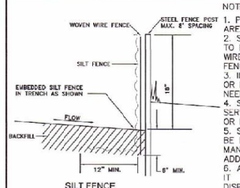


PLAN SECTION

NOTES:
1. SILTSOXX DEPICTED IS FOR MINIMUM SLOPES. GREATER SLOPES MAY REQUIRE LARGER SOCKS PER THE ENGINEER.

COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.

SILTSOXX



SILT FENCE

NOTES:
1. PLACE SILT FENCE AT DOWNSLOPE LIMIT OF AREA TO BE GRADED.
2. SILT FENCE SHOULD BE SECURELY FASTENED TO EACH STEEL SUPPORT POST OR TO WOVEN WIRE WHICH IS IN TURN ATTACHED TO THE STEEL FENCE POSTS.
3. INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
4. SILT FENCE SHALL BE REMOVED WHEN IT HAS SERVED ITS USEFULNESS, SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
5. SEDIMENT TRAPPED BY THIS PRACTICE SHALL BE DISPOSED OF IN AN APPROVED SITE IN A MANNER THAT WILL NOT CONTRIBUTE TO ADDITIONAL SILTATION.
6. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 6 INCHES AND DISPOSED OF IN AN APPROVED SPOIL SITE OR AS IN NO. 5 ABOVE. AT EACH END OF SILT FENCE, TURN FENCE UPSLOPE AND EXTEND UNTIL GROUND SURFACE RISES 18"

PERMANENT SEEDING

GENERAL: The work covered by this section consists of the furnishing of all labor, materials and equipment necessary for the complete seeding of newly graded areas and areas disturbed by the contractor during construction. Unless otherwise shown on the drawings, all disturbed pasture, grassed areas, and lawns (exclusive of woods and idle fields suitable for cultivation) shall be reseeded with normal plant seed mixtures as specified below.

DESCRIPTIVE SUBMITTALS: Descriptive submittals shall be made for all seeds and fertilizers intended for use on this project.

MATERIALS:

Fertilizer: Fertilizer shall be a commercial carrier of available nutrients. It shall be of the Ureaformaldehyde type, uniform in composition, dry, free-flowing, and in condition for application with suitable applicating equipment.

APPLICATION RATE

Nitrogen (N) 90 lbs/acre
Phosphorous (P) 90 lbs/acre
Potash 90 lbs/acre
Lime 1500 lbs/acre ENM*

* ENM – effective neutralizing material as per State evaluation of quarried rock.

Seed shall be furnished in standard containers and labeled in accordance with the U.S. Department of Agriculture "Rules and Regulations Under the Federal Seed Act." Wet, moldy, or otherwise damaged seed will not be acceptable. The permanent seed mixture shall be as follows:

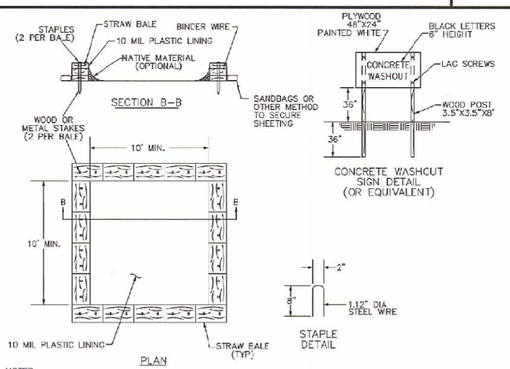
	Mixture	Purity	Germination
Tall Fescue	10%	95%	90%
Kentucky Blue Grass	1%	80%	85%
Creeping Red Fescue	5%	85%	90%
Wheat or Rye	46%	95%	85%
Annual Rye Grass	38%	98%	90%

The seed shall be free from Johnson grass, Canadian thistle, or field bind weed seed, and shall not contain more than 2 percent of other weed seeds. A certification of these mixtures shall be furnished to the Engineer prior to seeding.

Mulch: Materials for mulch shall consist of native hay, straw, or other approved locally available material. Mulch material which contains an excessive quantity of matured seed of noxious weeds or other species which would grow and be detrimental to overseeding or provide a menace to farm land will not be acceptable. Straw or other mulch material which is fresh or excessively brittle, or in such an advanced stage of decomposition as to smother or retard the growth of grass or the seeded cover crop will not be acceptable. Mulch rate shall be 4,300 lbs. per acre.

GRADING & SEEDING: Unless otherwise specified, all disturbed areas shall be graded with at least 4" of topsoil. Before final raking, areas to be seeded shall be fertilized with the specified mixture by spreading evenly using a mechanical spreader of the rotary type. The area shall then be raked to a smooth even surface, the soil loosened to a depth of at least 1" and seeded. The seed shall be evenly distributed over the area at a rate of 3 pounds per 1,000 square feet using a mechanical seeder. The seeded area shall be maintained as necessary until the project is completed.
Allowable seeding dates are as follows:

Perennial Grasses:	March 1 to May 15 or August 15 to October 15
Temporary Cover:	May 15 to August 15
Overseeding:	October 15 to March 1



NOTES:
1. OTHER CONFIGURATIONS OF CONCRETE WASHOUTS MAY BE SUBMITTED FOR REVIEW AND POSSIBLE APPROVAL.
2. THE CONCRETE WASHOUT MAY BE CONSTRUCTED EITHER ABOVE OR BELOW GRADE.
3. THE LOCATION OF THE CONCRETE WASHOUT SHALL BE SHOWN ON THE EROSION AND CONTROL PLANS.
4. THE REQUIRED SIZE SHALL BE DETERMINED BY THE DESIGN ENGINEER AND INDICATED ON THE DRAWINGS.
5. THE CONCRETE WASHOUT SHALL HAVE SUFFICIENT VOLUME. DISCHARGE WILL NOT BE ACCEPTABLE.
6. THE CONCRETE WASHOUT SHALL BE INSTALLED PRIOR TO ANY CONCRETE DELIVERY TO THE SITE.
7. A CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30' OF THE CONCRETE WASHOUT.
8. THE CONCRETE WASHOUT SHALL NOT BE INSTALLED WITHIN 50' OF ANY STREAM, WET AND, STORM DRAINS OR OTHER SENSITIVE AREAS.
9. THE LINER SHALL BE ONE PIECE WITHOUT SEAMS.
10. THE CONCRETE WASHOUT SHALL BE INSPECTED AT LEAST ONCE A WEEK FOR STRUCTURAL INTEGRITY AND ADEQUATE HOLDING CAPACITY. THEY SHALL ALSO BE INSPECTED AFTER HEAVY RAINS.
11. ONLY CONCRETE WASHOUT SHALL BE PLACED INTO THE CONCRETE WASHOUTS.
12. THE HARDENED CONCRETE WASTE SHALL BE REMOVED AND PROPERLY DISPOSED OF WHEN THE WASTE HAS ACCUMULATED TO 75% OF THE WASHOUT'S CAPACITY.
13. AFTER COMPLETION OF ALL CONCRETE WORK, THE CONCRETE WASHOUT FACILITY SHALL BE REMOVED AND PROPERLY DISPOSED OF OFF SITE.

CONCRETE WASH OUT DETAIL

SILT FENCE

Construction Specifications:

Materials

Use a synthetic fabric which contains ultraviolet ray inhibitors and stabilizers to provide a minimum of six months of expected usable construction life at a temperature range of 0 to 120 degrees F; has an equivalent opening size of a U.S. standard sieve of 70; and the tensile strength at 20 percent elongation is 30 lb/lineal inches.

Posts shall be either 4-inch diameter wood or 1.33 pounds per linear foot steel with a minimum length of five feet. Steel posts shall have projections for fastening wire to them.

If wire fence reinforcement is used, it shall be 36 inches high, 14-gauge, and a maximum mesh spacing of 6 inches.

Construction of Barrier for Low Flows not Exceeding 1 cfs:

The height of a filter barrier shall be a minimum of 15 inches and shall not exceed 18 inches.

The stakes shall be spaced a maximum of three feet apart at the barrier location and driven securely into the ground (minimum of eight inches).

A trench shall be excavated approximately four inches wide and four inches deep along the line of stakes and upslope from the barrier.

The filter material shall be stapled to the wooden stakes using at least 1-inch long staples, and eight inches of the fabric shall be extended into the trench. Filter material shall not be stapled to existing trees.

The trench shall be backfilled and the soil compacted over the filter material.

If a filter barrier is to be constructed across a ditch line or swale, the barrier shall be of sufficient length to eliminate end flow, and the plan configuration shall resemble an arc or horseshoe with the ends oriented upslope.

Filter barriers shall be removed when they have served their useful purpose, but not before the upslope area has been permanently stabilized.

Construction of Silt Fence When Only Sheet and Overland Flows are Expected

The height of a silt fence shall not exceed 36 inches (higher fences may impound volumes of water sufficient to cause failure of the structure).

The filter fabric shall be purchased in a continuous roll cut to the length of the barrier to avoid the use of joints. When joints are necessary, filter cloth shall be spliced together only at a support post, with a minimum 6-inch overlap, and securely sealed.

Posts shall be spaced a maximum of 10 feet apart at the barrier location and driven securely into the ground (Minimum of 16 inches) when used with the wire support fence, otherwise, post spacing shall not exceed three feet.

A trench shall be excavated approximately four inches wide and four inches deep along the line of posts and upslope from the barrier.

When a wire mesh support is used, the fence shall be fastened securely to the upslope side of the posts using heavy duty wire staples at least one inch long, tie wires or hog rings. The wire shall extend into the trench a minimum of two inches and shall not extend more than 36 inches above the original ground surface.

The filter fabric shall be stapled or wired to the fence, and eight inches of the fabric shall be extended into the trench. The fabric shall not extend more than 36 inches above the original ground surface.

The trench shall be backfilled and the soil compacted over the filter fabric.

Silt fences shall be removed when they have served their useful purpose, but not before the upslope area has been permanently stabilized.

Maintenance:

Inspect sediment fences at least once a week and after each rainfall. Make any required repairs immediately.

Should the fabric of a sediment fence collapse, tear, decompose, or become ineffective, replace it promptly.

Remove sediment deposits as necessary after each storm to provide adequate storage volume for the next rain and to reduce pressure on the fence. Take care to avoid undermining the fence during cleanout.

Remove all fencing materials and unstable sediment deposits and bring the area to grade and stabilize it after the contributing drainage area has been properly stabilized.

TEMPORARY SEEDING

Specifications:

Complete grading before preparing seedbeds and install all necessary erosion control practices, such as dikes, waterways, and basins. Minimize steep slopes because they make seedbed preparation difficult and increase the erosion hazard. If soils become compacted during grading, loosen them to a depth of 6-8 inches using a ripper, harrow, or chisel plow.

Seedbed Preparation:

Good seedbed preparation is essential to successful plant establishment. A good seedbed is well pulverized, loose, and uniform. Where hydroseeding methods are used, the surface may be left with a more irregular surface of large clods and stones.

Liming – Apply lime according to soil test recommendations. If the pH (acidity) of the soil is not known, an application of ground agricultural limestone at the rate of two tons/acre is usually sufficient. Apply limestone uniformly and incorporate into the top 4-6 inches of soil. Soils with a pH of six or higher need not be limited.

Fertilizer – Base application rates on soil tests. When these are not possible, apply a 10-10-10 grade fertilizer at 700-1,000 lb/acre. Both fertilizer and lime should be incorporated into the top 4-6 inches of soil.

Surface roughening – If recent tillage operations have resulted in a loose surface, additional roughening may not be required except to break up large clods. If rainfall causes the surface to become sealed or crusted, loosen it just prior to seeding by discing, raking, harrowing, or other suitable methods. Groove or furrow slopes steeper than 3:1 on the contour before seeding.

Plant Selection:

Annual rye grass, wheat or oats should be used for temporary seeding.

Seeding:

Evenly apply seed using a cyclone seeder (broadcast), drill cultpacker seeder, or hydroseeder. Annual rye grass should be applied at a rate of 120 lbs/acre. Broadcast seeding and hydroseeding are appropriate for steep slopes where equipment cannot be driven. Hand broadcasting is not recommended because of the difficulty in achieving a uniform distribution.

Small grains should be planted no more than one inch deep, and grasses and legumes no more than ¼ inch. Broadcast seed must be covered by raking or chain dragging, and then lightly firmed with a roller or cultpacker. Hydroseeded mixtures should include a wood fiber (cellulose) mulch.

Mulching:

The use of an appropriate mulch will help ensure establishment under normal conditions and is essential to seeding success under harsh site conditions. Harsh site conditions include:

a) Seeding in fall or winter cover (wood fiber mulches are not considered adequate for this use),

b) Slopes steeper than 3:1,

c) Excessively hot or dry weather,

d) Adverse soils (shallow, rocky, or high in clay or sand), and

e) Areas receiving concentrated.

If the area to be mulches is subject to concentrated waterflow, as in channels, anchor mulch with netting.

Maintenance:

Refertilize areas if growth is not adequate. Reseed, refertilize, and mulch immediately following erosion or other damage.

VEHICLE TRACKING PAD

CONSTRUCTION SPECIFICATION:

CLEAR THE ENTRANCE AND EXIT AREA OF ALL VEGETATION, ROOTS, AND OTHER OBJECTIONABLE MATERIAL AND PROPERLY GRADE IT.

PLACE THE GRAVEL TO THE SPECIFIC GRADE AND DIMENSIONS SHOWN ON THE PLANS. FILTER FABRIC MAY BE APPLIED TO ROADBED FOR ADDITIONAL STABILITY IN ACCORDANCE WITH FABRIC MANUFACTURING SPECIFICATIONS.

PROVIDE DRAINAGE TO CARRY WATER TO AN APPROVAL SEDIMENT TRAP.

MAINTENANCE:

MAINTAIN THE GRAVEL PAD IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 2-INCH STONE. AFTER EACH RAINFALL, INSPECT ANY STRUCTURE USED TO TRAP SEDIMENT AND CLEAN IT OUT AS NECESSARY. IMMEDIATELY REMOVE ALL OBJECTIONABLE MATERIALS SPILLED, WASHED, OR TRACKED ON TO PUBLIC ROADWAYS.

GENERAL NOTES:

1.) CONTRACTOR SHALL REVIEW SCHEDULE AND SEQUENCING OF SWPPP IMPROVEMENTS. UNLESS INDICATED OTHERWISE, SEDIMENTATION STRUCTURES ARE TO BE CONSTRUCTED FOLLOWED BY SILT FENCING, TEMPORARY CONSTRUCTION ENTRANCES OR OTHER RELATED BMP MEASURES PRIOR TO THE INITIATION OF LAND DISTURBANCE ACTIVITIES.

2.) ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED NO MORE THAN 7 DAYS AFTER ACTIVITY IN THE AREA HAS CEASED.

3.) CONTRACTOR SHALL COORDINATE INSPECTION AND MAINTENANCE OF SWPPP ITEMS WITH OWNER. IN THE EVENT OF HEAVY RAINS INSPECTION SHALL OCCUR WITHIN 48 HOURS OF RAINFALL EVENT AND NO MORE THAN 7 DAYS UNDER NORMAL CIRCUMSTANCES.

4.) OWNER AND CONTRACTOR SHALL REVIEW AND ADHERE TO ANY AND ALL REQUIREMENTS AS SET FORTH IN THE MDNR LAND DISTURBANCE PERMIT.

5.) CONTRACTOR SHALL AVOID DISTURBANCE OF ALL DRAINAGE CHANNELS UNLESS APPROPRIATE PERMITS AND AUTHORIZATION IS OBTAINED FROM THE U.S. ARMY CORPS OF ENGINEERS AND OTHER AGENCIES.

6.) CONTRACTOR SHALL AVOID DISTURBANCE WITHIN 50 FEET OF ALL DEFINED DRAINAGE CHANNELS. IF DISTURBANCE OCCURS AREA SHALL BE RESEEDED AND MULCHED WITHIN 5 WORKING DAYS.

7.) DISTURBED SLOPES SHALL BE STABILIZED AND MULCHED WITHIN 5 WORKING DAYS OF GRADING COMPLETION.

8.) CONTRACTOR SHALL PRESERVE EXISTING VEGETATION IN ALL AREAS WHERE PRACTICAL.

9.) SWPPP SHALL BE UPDATED BY CONTRACTOR AS APPROPRIATE TO REFLECT ANY CHANGES, ADDITIONS OR REVISIONS.

10.) STOCKPILED MATERIALS SHALL BE ENCLOSED WITH TEMPORARY BMP'S SUCH AS SILT FENCE AS REQUIRED TO FULLY ELIMINATE THE POSSIBILITY OF SEDIMENT RUNOFF WITHIN 3 WORKING DAYS OF THE CONSTRUCTION OF SAID STOCKPILE.

11.) CONTRACTOR SHALL FIELD VERIFY SILT FENCE, SILT SOXX AND OTHER SWPPP MEASURES AND SHALL FIELD ADJUST LENGTH AND LOCATION AS REQUIRED FOR ACTUAL AREAS DISTURBED.

12.) IN THE EVENT THE BMP'S INDICATED ON THIS PLAN ARE NOT ADEQUATE FOR SEDIMENT AND EROSION CONTROL FOR THE SITE, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE NECESSARY CORRECTIVE ACTIONS AND/OR MODIFICATIONS TO THE SEDIMENT AND EROSION CONTROL PLAN TO REMAIN IN COMPLIANCE WITH THE APPROPRIATE PERMIT REQUIREMENTS. ALL CHANGES TO THE SEDIMENT AND EROSION CONTROL PLAN SHALL BE RECORDED BY THE CONTRACTOR.

Federal Project Number: STBG-9901(831)

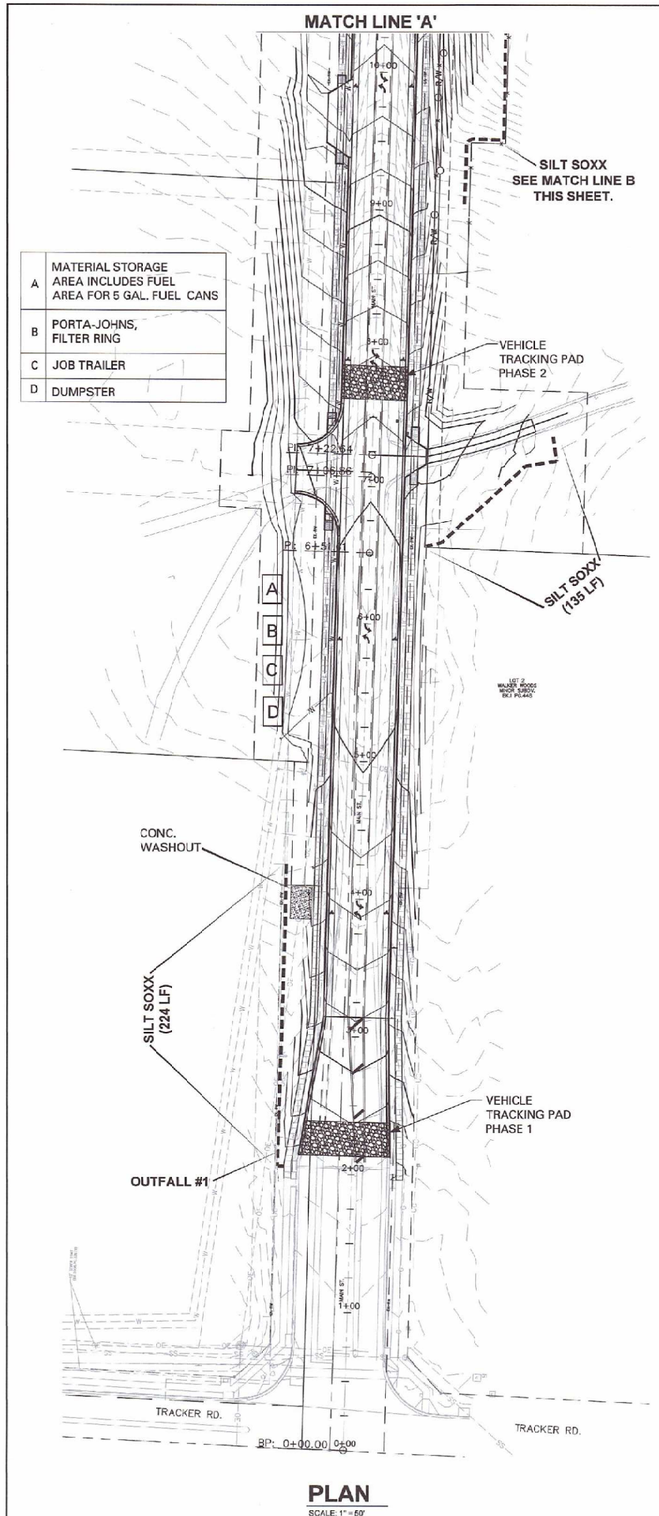
J. CLAYTON M. HINES E-28799 REGISTERED PROFESSIONAL ENGINEER

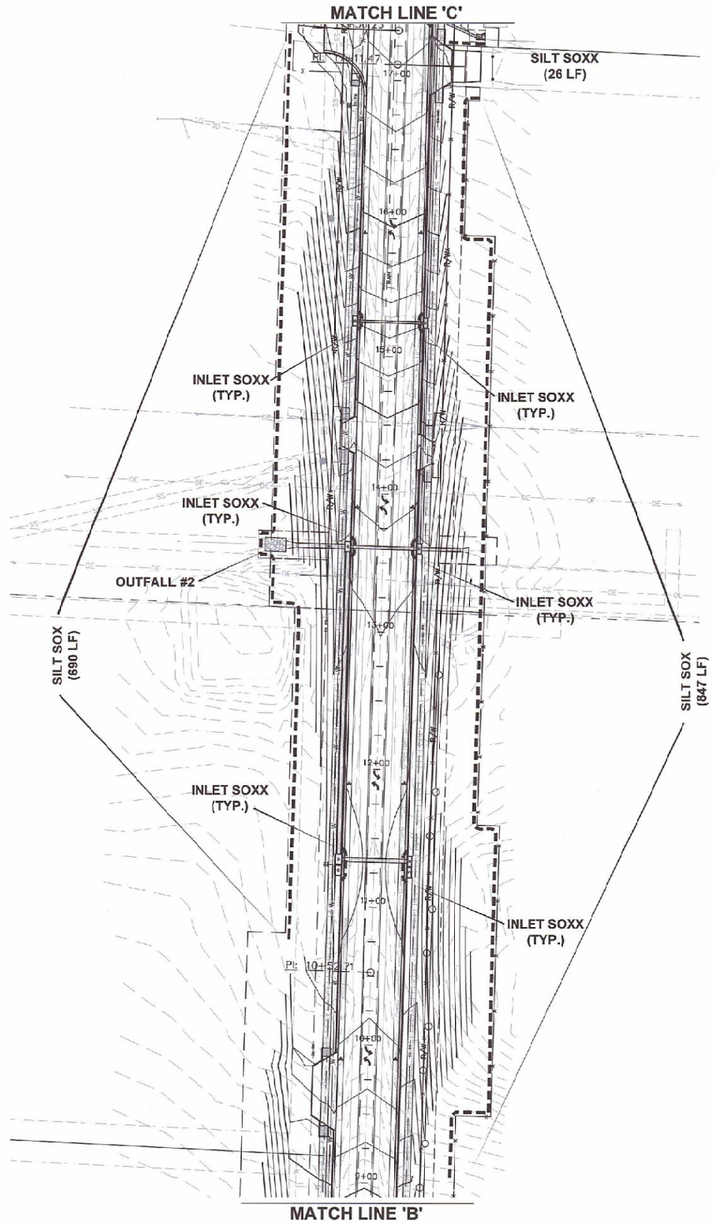
SHAFFER & HINES, INC.
CERTIFICATE OF AUTHORITY
LICENSE NO. 001665

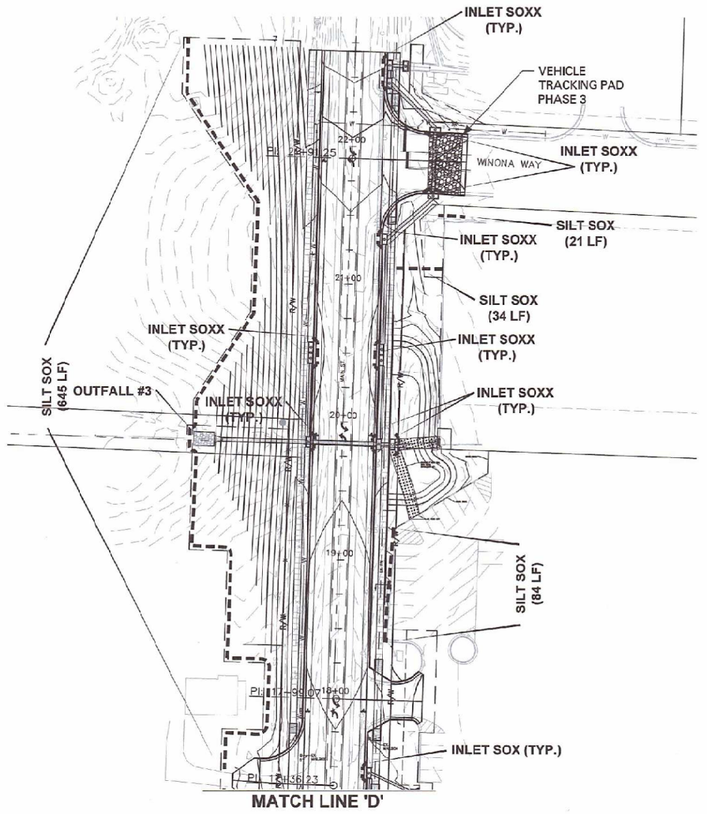
SHAFFER & HINES
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 - Fax: (417) 725-5230
Email: chines@shafferhines.com

SEDIMENT AND EROSION CONTROL PLAN

DESIGN BY	JCMH
DRAWN BY	GSM
CHKD BY	JCMH
DATE	MAY 2023
SCALE	AS SHOWN
REVISIONS	
JOB NO.	222013
SHEET	SECP 01







NORTH

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP - CALL BEFORE YOU DIG!

MAIN ST. IMPROVEMENTS
FROM TRACKER RD. TO HWY CC

NIXA

Nixa, Christian County, Missouri

J. CLAYTON M. HINES E-29795 REGISTERED PROFESSIONAL ENGINEER

SHAFFER & HINES, INC.
CERTIFICATE OF AUTHORITY
LICENSE NO. 001665

SHAFFER & HINES INC.
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 - Fax: (417) 725-5230
Email: chines@shaffer&hines.com

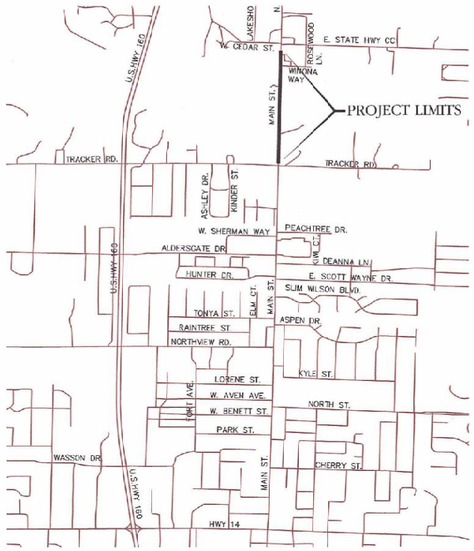
SH

SEDIMENT AND EROSION CONTROL PLAN

DESIGN BY	JCMH
DRAWN BY	GSM
CHK'D BY	JCMH
DATE	MAY 2023
SCALE	AS SHOWN
REVISIONS	
JOB NO.	222013
SHEET	SECP 02

Federal Project Number: STBG-9901(831)

Sanitary Sewer Improvements
MAIN ST.
FROM TRACKER RD. TO HWY CC
CITY OF NIXA
CITY OF NIXA, CHRISTIAN COUNTY, MISSOURI



LOCATION MAP

NW 1/4, SE 1/4, SECTION 11, TOWNSHIP 27 NORTH, RANGE 22 WEST
NTS

NORTH

T.B.M. #1:

TBM NO. 1 - POINT NO. 7894, ⅝" IRON PIN REBAR W/PLASTIC CAP STAMPED CONTROL POINT.
ELEV.: 1278.45

TBM NO. 2 - POINT NO. 7882, ⅝" IRON PIN REBAR W/PLASTIC CAP STAMPED CONTROL POINT.
ELEV.: 1272.63

TBM NO. 3 - POINT NO. 7881, ⅝" IRON PIN REBAR W/PLASTIC CAP STAMPED CONTROL POINT.
ELEV.: 1272.81

LEGEND:

- ● = EXISTING IRON PIN FOUND (EXCEPT AS NOTED)
- ○ = 5/8" IRON PIN SET, CAPPED "LC 383" (EXCEPT AS NOTED)
- ■ = EXISTING PERMANENT MON. FOUND (EXCEPT AS NOTED)
- □ = PERMANENT MON. SET (5/8" x 24" REBAR W/ ALUM. CAP)
- (M) = MEASURED DATA
- (P) = PLATTED DATA
- (D) = DEEDED DATA
- F.E.S. = FLARED END SECTION
- HDPE = HIGH DENSITY POLYETHYLENE
- CONC. = CONCRETE
- R/W = RIGHT-OF-WAY
- = LIGHT POLE
- FL = FLOWLINE
- Ⓢ = SEWER MANHOLE
- = MAILBOX
- —UC— = UNDERGROUND COMMUNICATIONS
- Ⓒ = COMMUNICATIONS MANHOLE
- EL. = ELEVATION
- N = NORTH
- S = SOUTH
- E = EAST
- W = WEST
- —x— = CHAIN LINK FENCE
- —o— = WOOD FENCE
- —x— = BARBED WIRE FENCE
- —OE— = OVERHEAD ELECTRIC
- = POWER POLE
- —→ = GUY WIRE
- —UE— = UNDERGROUND ELECTRIC
- = WATER VALVE
- —W— = WATER LINE
- —G— = GAS LINE
- = TELEPHONE RISER
- = FIRE HYDRANT
- ○ = CURB INLET
- —SS— = SANITARY SEWER LINE
- —STM— = STORM WATER PIPING
- = CABLE RISER

▨ CONCRETE ENTRANCE

—— R/W —— PROPOSED NEW RIGHT-OF-WAY

ABREVIATIONS:

TC = TOP OF CURB
GF = GUTTER
FL = FLOWLINE
CL = CENTERLINE
SG = SUBGRADE
PC = POINT OF CURVATURE (BEGIN CURVE)
PT = POINT OF TANGENCY (END CURVE)
POC = POINT ON CURVE
PRC = POINT OF REVERSE CURVE
GB = GRADE BREAK
El = ELEVATION

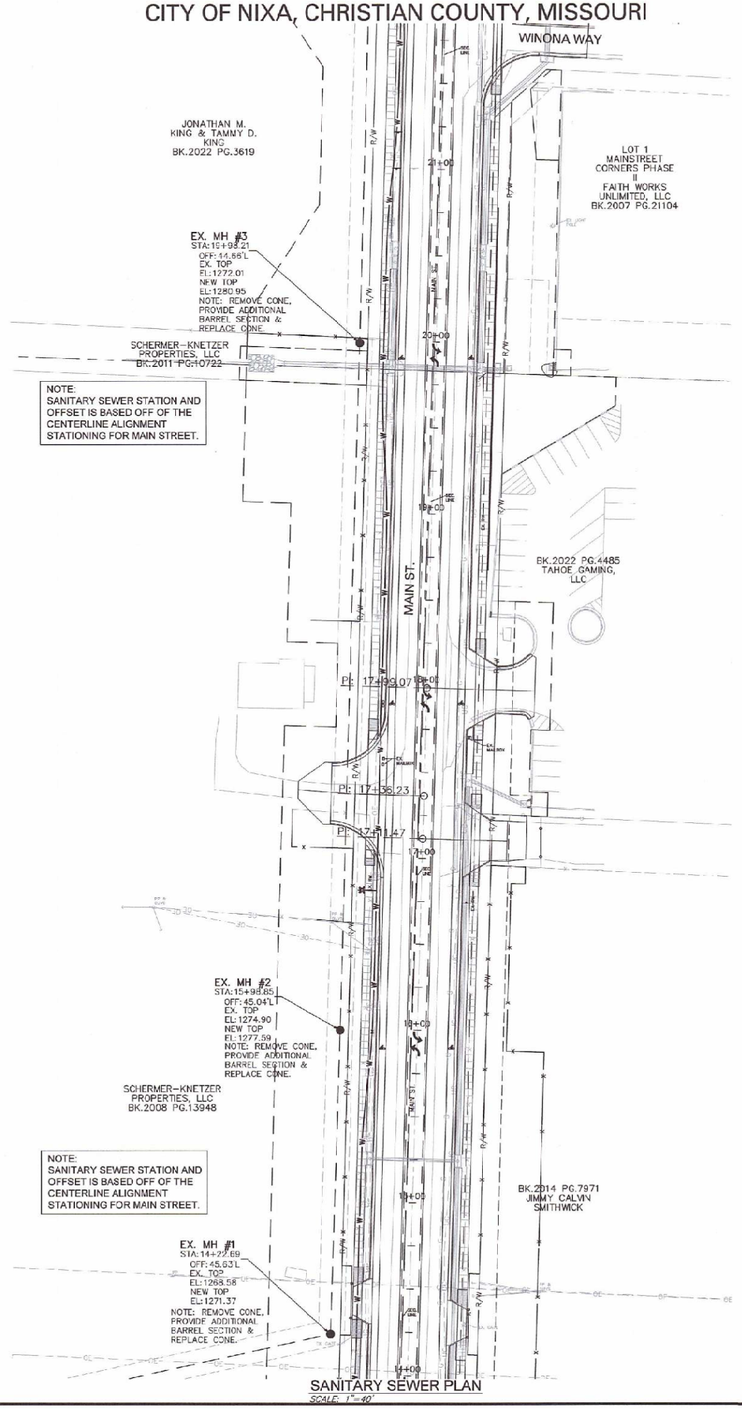
CAUTION

Existing underground installations such as water mains, gas mains, sewers, telephone lines, fiber optic lines, power lines and buried structures are indicated on the drawing only to the extent such information has been made available to or discovered by the surveyor in preparing this drawing and are for reference only. There is no guarantee as to the accuracy or completeness of such information. It shall be the Contractors responsibility to field verify all existing items shown on the drawing.

SAFETY NOTICE TO CONTRACTOR

1. In accordance with generally accepted construction practices, the contractor will be solely and completely responsible for conditions of the job site, including safety of all persons and property during performance of the work. This requirement will apply continuously and not be limited to normal working hours.

2. The duty of the engineer or owner to conduct construction review of the contractor's performance is not intended to include review of the adequacy of the contractor's safety measures in, on, or near the construction site.



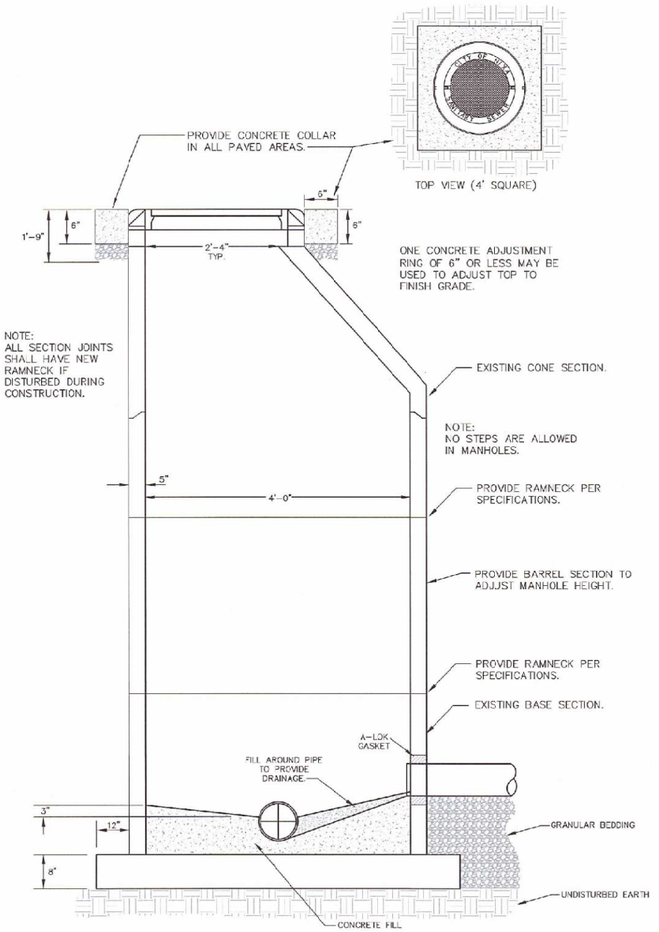
SANITARY SEWER PLAN
SCALE: 1"=40'

NORTH

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP-CALL BEFORE YOU DIG!

GENERAL NOTES:

1. ALL SEWER LINE MATERIAL, SIZE AND INSTALLATION REQUIREMENTS SHALL BE PER THE CITY OF NIXA STANDARD TECHNICAL SPECIFICATIONS AND THE CONTRACT DRAWINGS.
2. CONTRACTOR SHALL FIELD ADJUST ALL MANHOLES TO FINISHED GRADE.
3. CONTRACTOR SHALL FIELD VERIFY ALL ELEVATIONS AND SLOPES AND SHALL CONFIRM WITH ENGINEER AND NOTE ANY VARIATION THEREOF PRIOR TO INSTALLATION.



STANDARD MANHOLE DETAIL
NTS

MAIN ST. IMPROVEMENTS
FROM TRACKER RD. TO HWY CC
NIXA
Nixa, Christian County, Missouri

CLAYTON M. HINES E-29756 — REGISTERED PROFESSIONAL ENGINEER

SHAFFER & HINES, INC.
CERTIFICATE OF AUTHORITY
LICENSE NO. 001665

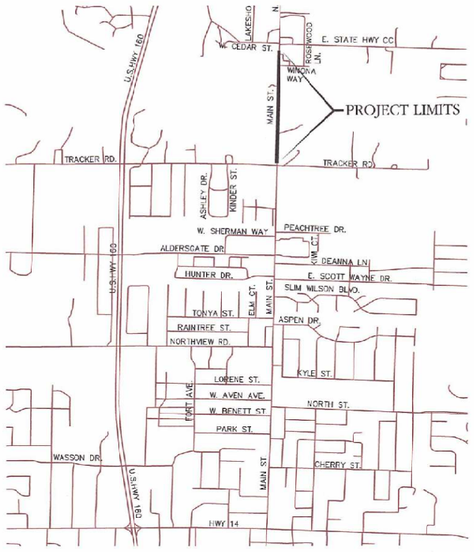
SHAFFER & HINES
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 - Fax: (417) 725-5230
Email: chines@shaffer-hines.com

SAN. SEWER IMPROVEMENTS

DESIGN BY	JCMH
DRAWN BY	GSM
CHK'D BY	JCMH
DATE	NOV. 2023
SCALE	AS SHOWN
REVISIONS	
JOB NO.	232009
SHEET	SEW 01

Waterline Distribution Plans for
MAIN ST.
FROM TRACKER RD. TO HWY CC

CITY OF NIXA
CITY OF NIXA, CHRISTIAN COUNTY, MISSOURI



LOCATION MAP
NW 1/4, SE 1/4, SECTION 11, TOWNSHIP 27 NORTH, RANGE 22 WEST
NTS

NORTH

T.B.M. #1:

TBM NO. 1 - POINT NO. 7894, ⅝" IRON PIN REBAR W/PLASTIC CAP STAMPED CONTROL POINT. ELEV.: 1278.45

TBM NO. 2 - POINT NO. 7882, ⅝" IRON PIN REBAR W/PLASTIC CAP STAMPED CONTROL POINT. ELEV.: 1272.63

TBM NO. 3 - POINT NO. 7881, ⅝" IRON PIN REBAR W/PLASTIC CAP STAMPED CONTROL POINT. ELEV.: 1272.81

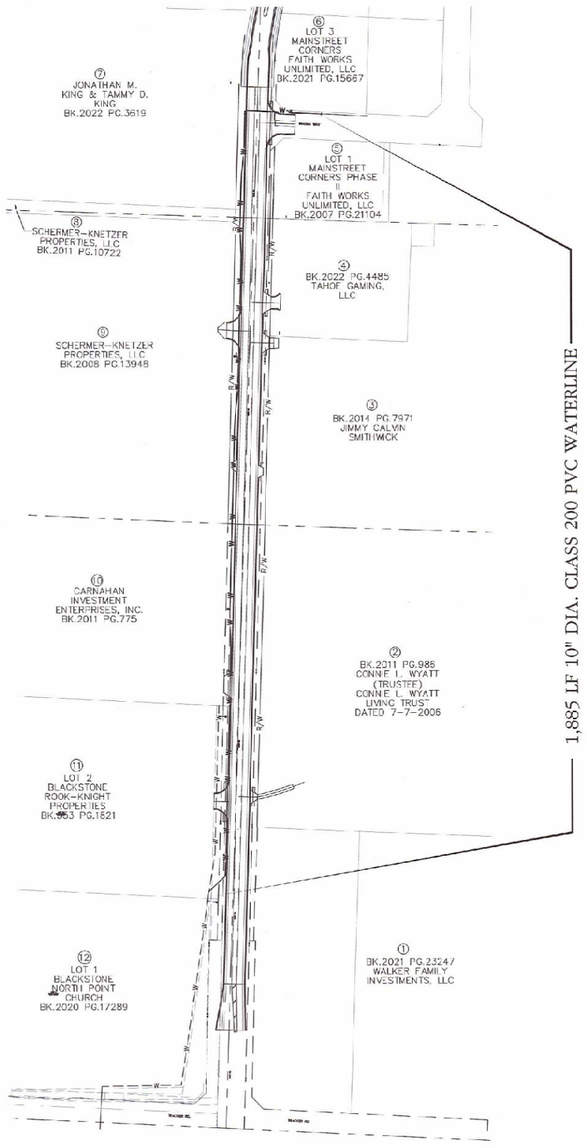
LEGEND:

● = EXISTING IRON PIN FOUND (EXCEPT AS NOTED)	EL. = ELEVATION
○ = 5/8" IRON PIN SET, CAPPED "LC 383" (EXCEPT AS NOTED)	N = NORTH
■ = EXISTING PERMANENT MON. FOUND (EXCEPT AS NOTED)	S = SOUTH
⊡ = PERMANENT MON. SET (5/8" x 24" REBAR W/ ALUM. CAP)	E = EAST
(M) = MEASURED DATA	W = WEST
(P) = PLATTED DATA	——— = CHAIN LINK FENCE
(D) = DEEDED DATA	—o— = WOOD FENCE
F.E.S. = FLARED END SECTION	—+—+— = BARBED WIRE FENCE
HDPE = HIGH DENSITY POLYETHYLENE	—OE— = OVERHEAD ELECTRIC
CONC = CONCRETE	○ = POWER POLE
R/W = RIGHT-OF-WAY	—UE— = UNDERGROUND ELECTRIC
☼ = LIGHT POLE	= WATER VALVE
FL = FLOWLINE	—W— = WATER LINE
Ⓢ = SEWER MANHOLE	—G— = GAS LINE
■ = MAILBOX	■ = TELEPHONE RISER
—UC— = UNDERGROUND COMMUNICATIONS	= FIRE HYDRANT
Ⓒ = COMMUNICATIONS MANHOLE	O = CURB INLET
	—SS— = SANITARY SEWER LINE
	—STM— = STORM WATER PIPING
	⊡ = CABLE RISER

▨ CONCRETE ENTRANCE

——R/W—— PROPOSED NEW RIGHT-OF-WAY

ABREVIATIONS:
TC = TOP OF CURB
GT = GUTTER
FL = FLOWLINE
CL = CENTERLINE
SG = SUBGRADE
PC = POINT OF CURVATURE (BEGIN CURVE)
PT = POINT OF TANGENCY (END CURVE)
POC = POINT ON CURVE
PRC = POINT OF REVERSE CURVE
GB = GRADE BREAK
EL = ELEVATION



SITE PLAN
NTS

SHEET INDEX

SHEET NO.	DESCRIPTION
1.	Cover
2.	Waterline PLan
3.	Waterline Details

GENERAL NOTES:

1. ALL WATER LINE MATERIAL, SIZE AND INSTALLATION REQUIREMENTS SHALL BE PER THE CITY OF NIXA STANDARD TECHNICAL SPECIFICATIONS AND THE CONTRACT DRAWINGS.

2. ALL WATER LINE SHALL BE TESTED IN ACCORDANCE WITH THE CITY OF NIXA'S TECHNICAL SPECIFICATIONS AND MDNR GUIDELINES AT CONTRACTORS EXPENSE. CITY PERSONNEL SHALL BE PRESENT FOR TESTING AND NOTIFIED BY THE CONTRACTOR A MIN. 48 HOURS PRIOR TO PROPOSED TESTING TIME.

3. WATER LINE SHALL BE INSTALLED WITH A MINIMUM OF 42" OF COVER OVER TOP OF PLACED PIPE UNLESS OTHERWISE NOTED OR APPROVED BY ENGINEER.

4. WATER LINE SHALL BE ISOLATED FROM EXISTING DISTRIBUTION SYSTEM UNTIL APPROVAL BY THE CITY OF NIXA IS OBTAINED.

5. WATER LINE SHALL BE DISINFECTED BY CONTRACTOR IN ACCORDANCE WITH THE CITY OF NIXA'S TECHNICAL SPECIFICATIONS AND MDNR GUIDELINES.

6. A MIN. OF 18" VERTICAL AND/OR 10' HORIZONTAL SEPARATION SHALL BE MAINTAINED BETWEEN THE PROPOSED WATER AND SANITARY SEWER PIPING AS MEASURED FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE. WHERE POSSIBLE, WATER LINE SHALL BE INSTALLED ABOVE SANITARY SEWER PIPING.

7. CONTRACTOR SHALL PROVIDE WATER METER PIT AND SERVICE CONNECTION WHERE INDICATED BY WATER METER SYMBOL. TOP OF ALL METER PITS SHALL BE ADJUSTED TO FINISHED GRADE.

8. 3/4" CLEAN CRUSHED STONE BACKFILL SHALL BE PROVIDED OVER PROPOSED WATER LINE THE ENTIRE DEPTH OF THE TRENCH WHERE LINE IS LOCATED UNDER PAVEMENT.

9. THE LOCATION OF ALL EXIST. WATER LINES, SEWER LINES, SERVICE LINES, UTILITIES AND OTHER IMPROVEMENTS SHALL BE FIELD LOCATED BY THE CONTRACTOR.

10. ADDITIONAL FITTINGS MAY BE REQUIRED FOR CONNECTION TO EXIST. LINES. CONTRACTOR SHALL FIELD VERIFY FITTING REQUIREMENTS AND COORDINATE WITH ENGINEER PRIOR TO CONSTRUCTION.

11. THE LOCATION OF ALL VALVES AND HYDRANTS SHALL BE ADJUSTED IN THE FIELD IN CONSIDERATION OF THE ACTUAL LOCATION OF PAVED SURFACES, DRIVEWAYS AND OTHER UTILITIES.

12. THRUST BLKG. SHALL BE PROVIDED ON ALL BENDS AND FITTINGS AS INDICATED IN THE DRAWINGS AND PER THE THRUST BLOCK DETAILS AS SHOWN.

13. CONTRACTOR SHALL NOT EXCEED MANUFACTURERS REQUIREMENTS OF PIPE DEFLECTION AND SHALL PROVIDE ADEQUATE BEDDING.

14. CONTRACTOR SHALL COORDINATE WATER, STREET CONSTRUCTION, AND GRADING AND SHALL ADJUST WATERLINE DEPTH TO PROVIDE ADEQUATE COVER IN CONSIDERATION OF FINISHED GRADES.

15. REFER TO STORM SEWER & SANITARY SEWER PROFILES FOR WATERMAIN CROSSINGS. SOME WATERMAINS ARE DEEPER THAN 42" COVER TO AVOID STORM SEWER & SANITARY SEWER.

16. All WATERLINE COMPONENTS SHALL BE LEAD FREE EXCEPT FOR FIRE HYDRANTS.

CAUTION

Existing underground installations such as water mains, gas mains, sewers, telephone lines, fiber optic lines, power lines and buried structures are indicated on the drawing only to the extent such information has been made available to or discovered by the surveyor in preparing this drawing and are for reference only. There is no guarantee as to the accuracy or completeness of such information. It shall be the Contractors responsibility to field verify all existing items shown on the drawing.

SAFETY NOTICE TO CONTRACTOR

1. In accordance with generally accepted construction practices, the contractor will be solely and completely responsible for conditions of the job site, including safety of all persons and property during performance of the work. This requirement will apply continuously and not be limited to normal working hours.

2. The duty of the engineer or owner to conduct construction review of the contractor's performance is not intended to include review of the adequacy of the contractor's safety measures in, on, or near the construction site.

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP - CALL BEFORE YOU DIG!

MAIN ST. IMPROVEMENTS
FROM TRACKER RD. TO HWY CC
NIXA
Nixa, Christian County, Missouri

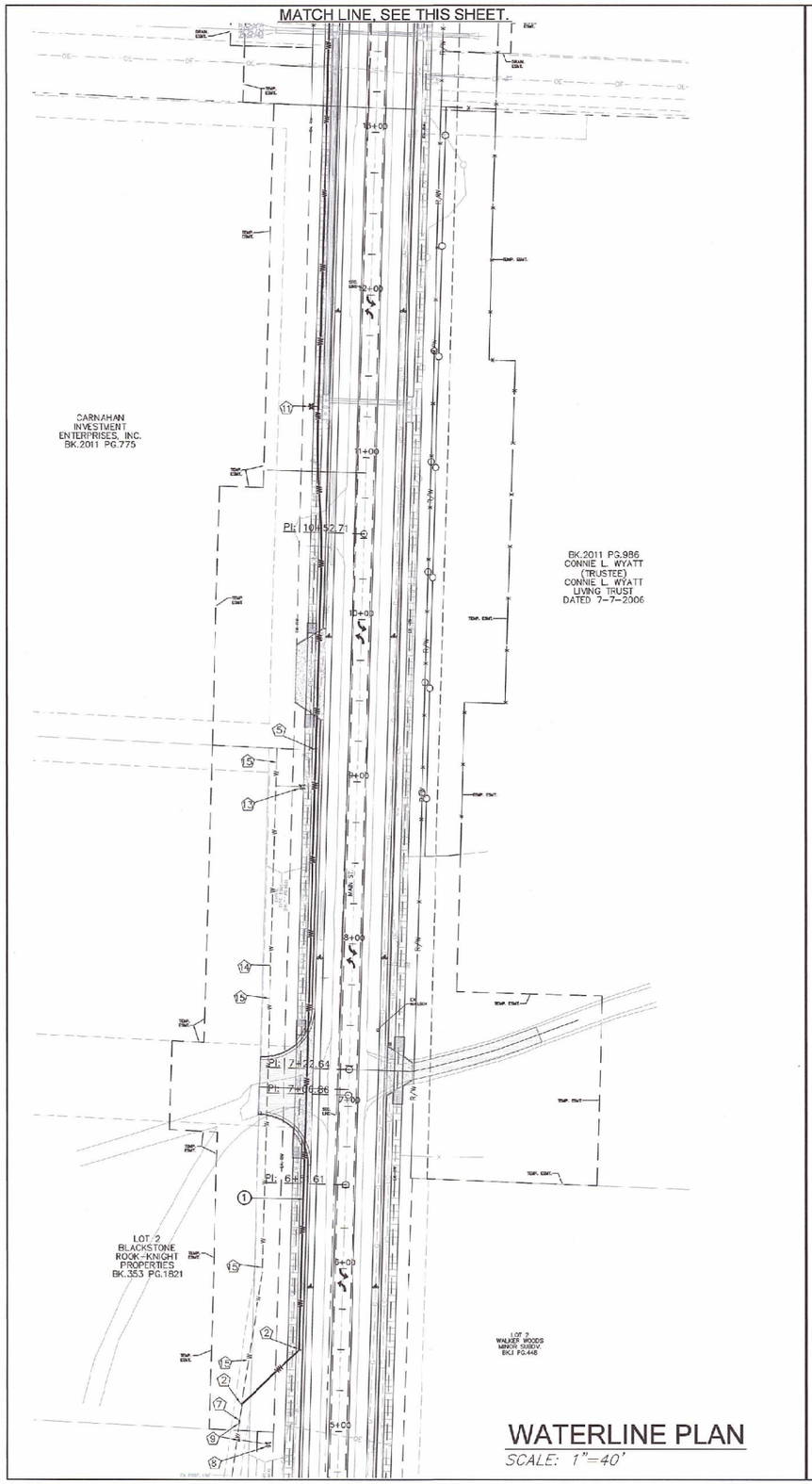
J. CLAYTON HINES NUMBER E-20799 REGISTERED PROFESSIONAL ENGINEER
J. CLAYTON M. HINES E-20799

SHAFFER & HINES, INC.
CERTIFICATE OF AUTHORITY
LICENSE NO. 001665

SHAFFER & HINES
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 - Fax: (417) 725-5230
Email: chines@shafferhines.com

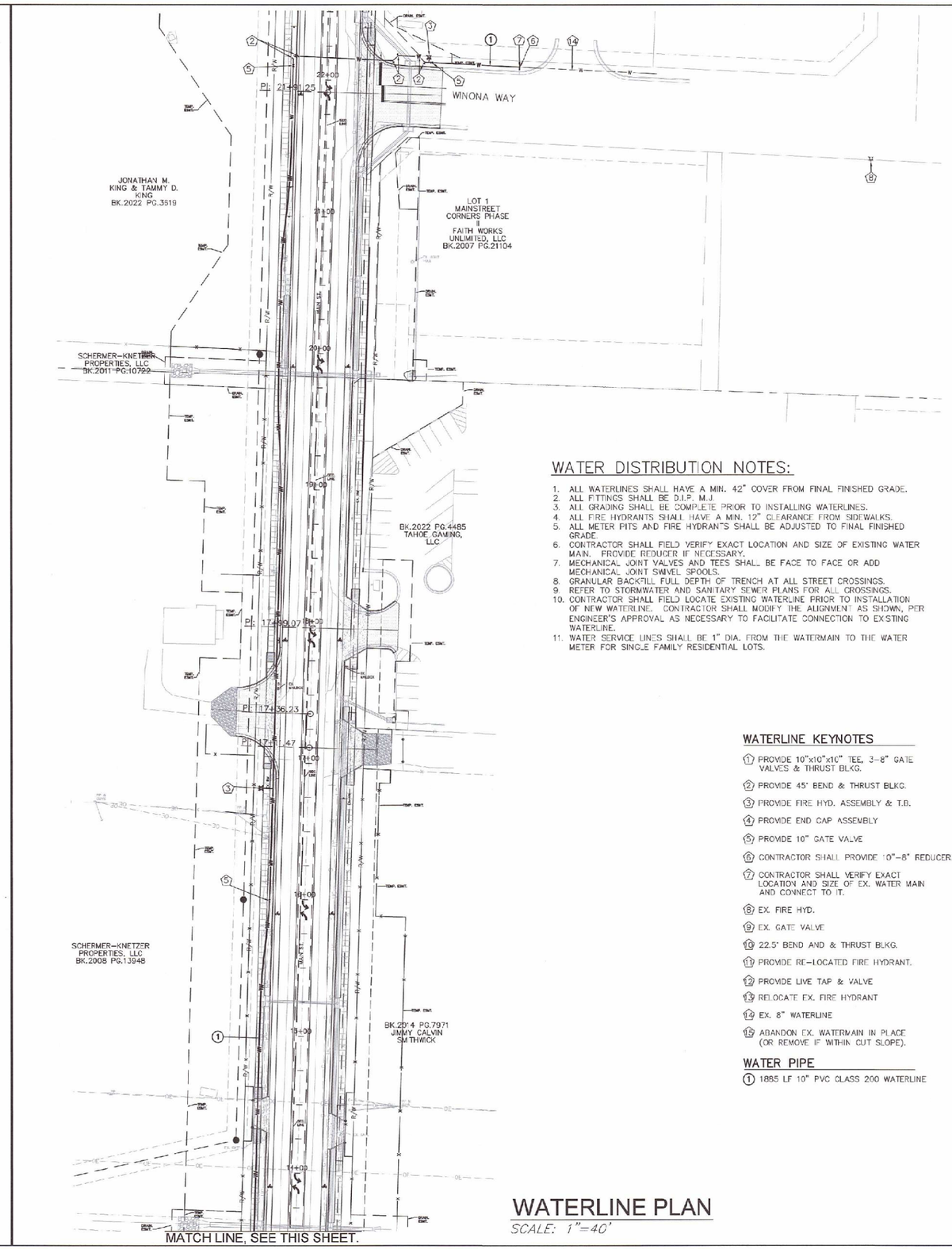
WATERLINE COVER SHEET

DESIGN BY	JCMH
DRAWN BY	GSM
CHK'D BY	JCMH
DATE	NOV. 2023
SCALE	AS SHOWN
REVISIONS	
JOB NO.	232009
SHEET	WAT 01



WATERLINE PLAN

SCALE: 1"=40'



WATERLINE PLAN

SCALE: 1"=40'

WATER DISTRIBUTION NOTES:

1. ALL WATERLINES SHALL HAVE A MIN. 42" COVER FROM FINAL FINISHED GRADE.
2. ALL FITTINGS SHALL BE D.I.P. M.J.
3. ALL GRADING SHALL BE COMPLETE PRIOR TO INSTALLING WATERLINES.
4. ALL FIRE HYDRANTS SHALL HAVE A MIN. 12" CLEARANCE FROM SIDEWALKS.
5. ALL METER PITS AND FIRE HYDRANTS SHALL BE ADJUSTED TO FINAL FINISHED GRADE.
6. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION AND SIZE OF EXISTING WATER MAIN. PROVIDE REDUCER IF NECESSARY.
7. MECHANICAL JOINT VALVES AND TEES SHALL BE FACE TO FACE OR ADD MECHANICAL JOINT SWIVEL SPOOLS.
8. GRANULAR BACKFILL FULL DEPTH OF TRENCH AT ALL STREET CROSSINGS.
9. REFER TO STORMWATER AND SANITARY SEWER PLANS FOR ALL CROSSINGS.
10. CONTRACTOR SHALL FIELD LOCATE EXISTING WATERLINE PRIOR TO INSTALLATION OF NEW WATERLINE. CONTRACTOR SHALL MODIFY THE ALIGNMENT AS SHOWN, PER ENGINEER'S APPROVAL AS NECESSARY TO FACILITATE CONNECTION TO EXISTING WATERLINE.
11. WATER SERVICE LINES SHALL BE 1" DIA. FROM THE WATERMAIN TO THE WATER METER FOR SINGLE FAMILY RESIDENTIAL LOTS.

WATERLINE KEYNOTES

1. PROVIDE 10"x10"x10" TEE, 3-8" GATE VALVES & THRUST BLKG.
2. PROVIDE 45° BEND & THRUST BLKG.
3. PROVIDE FIRE HYD. ASSEMBLY & T.B.
4. PROVIDE END CAP ASSEMBLY
5. PROVIDE 10" GATE VALVE
6. CONTRACTOR SHALL PROVIDE 10"-8" REDUCER.
7. CONTRACTOR SHALL VERIFY EXACT LOCATION AND SIZE OF EX. WATER MAIN AND CONNECT TO IT.
8. EX. FIRE HYD.
9. EX. GATE VALVE
10. 22.5° BEND AND & THRUST BLKG.
11. PROVIDE RE-LOCATED FIRE HYDRANT.
12. PROVIDE LIVE TAP & VALVE
13. RELOCATE EX. FIRE HYDRANT
14. EX. 8" WATERLINE
15. ABANDON EX. WATERMAIN IN PLACE (OR REMOVE IF WITHIN CUT SLOPE).

WATER PIPE

1. 1885 LF 10" PVC CLASS 200 WATERLINE

NORTH

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP! CALL BEFORE YOU DIG!

MAIN ST. IMPROVEMENTS FROM TRACKER RD. TO HWY CC

NIXA

Nixa, Christian County, Missouri

D. CLAYTON M. HINES E-29799 REGISTERED PROFESSIONAL ENGINEER

SHAFFER & HINES, INC. CERTIFICATE OF AUTHORITY LICENSE NO. 001665

SHAFFER & HINES
CONSULTING ENGINEERS REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 - Fax: (417) 725-5230
Email: chines@shaffer-hines.com

WATERLINE DISTRIBUTION PLAN

DESIGN BY	JCM!!
DRAWN BY	GSM
CHK'D BY	JCM!!
DATE	NOV. 2023
SCALE	AS SHOWN

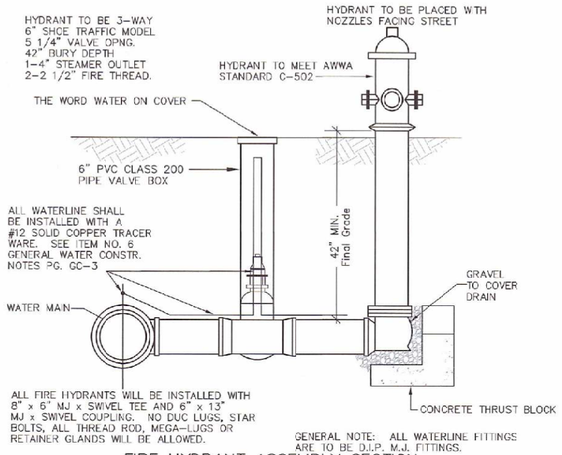
REVISIONS

JOB NO.

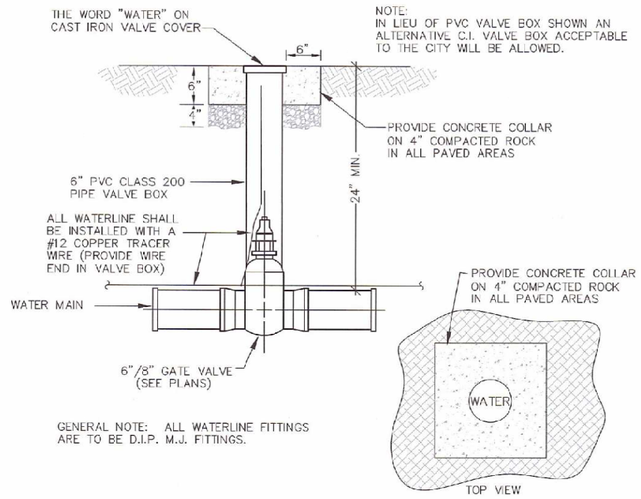
232009

SHEET

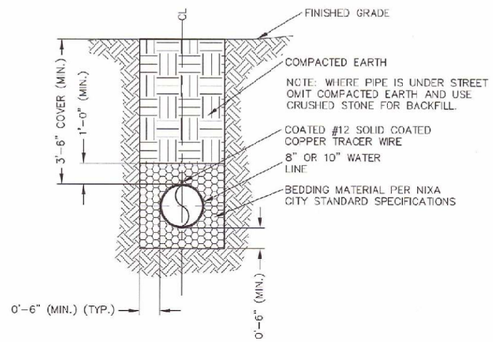
WAT 02



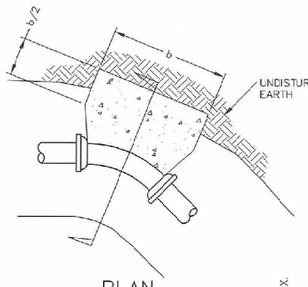
FIRE HYDRANT ASSEMBLY SECTION
NOT TO SCALE



GATE VALVE AND ACCESS COVER SECTION
NOT TO SCALE



TYPICAL WATER LINE EMBEDMENT SECTION
NOT TO SCALE

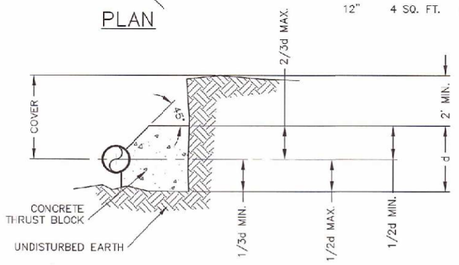


NOTES:
1. AREA OF BLOCK A = b X d.
2. b = d = $\sqrt{A}$ EXCEPT WHERE TOP OF BLOCK IS WITHIN 2 FEET FROM GROUND SURFACE, THEN b = A/d.
3. MINIMUM BLOCK DIMENSION (b&d) SHALL BE AT LEAST O.D. OF PIPE OR 1 FOOT FOR PIPE O.D. 12" OR LESS.
4. BOTTOM OF BLOCK SHALL EXTEND TO BOTTOM OF TRENCH.
5. BLOCK AREA BASED ON SILTY CLAY SOIL, 3 FEET OF COVER AND TEST PRESSURE OF 150 PSI AT HIGH POINT.

THRUST BLOCK AREAS

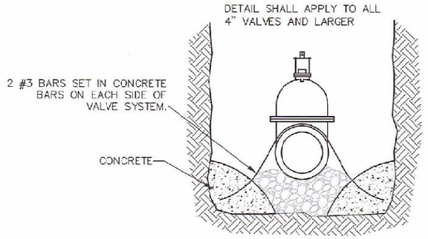
PIPE SIZE	11-1/4°	22-1/2°	45°	90°	DEAD END
6"	2 SQ. FT.	2 SQ. FT.	2 SQ. FT.	5 SQ. FT.	7 SQ. FT.
8"	2 SQ. FT.	2 SQ. FT.	5 SQ. FT.	9 SQ. FT.	10 SQ. FT.
10"	3 SQ. FT.	3 SQ. FT.	8 SQ. FT.	12 SQ. FT.	12 SQ. FT.
12"	4 SQ. FT.	6 SQ. FT.	10 SQ. FT.	16 SQ. FT.	18 SQ. FT.

PLAN



SECTION

CONCRETE THRUST BLOCKS
NOT TO SCALE



ANCHOR FOR GATE VALVE SECTION
NOT TO SCALE

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP-CALL BEFORE YOU DIG

MAIN ST. IMPROVEMENTS
FROM TRACKER RD. TO HWY CC

NIXA

Nixa, Christian County, Missouri

J. CLAYTON M. HINES E. 29799 REGISTERED PROFESSIONAL ENGINEER

SHAFFER & HINES, INC.
CERTIFICATE OF AUTHORITY
LICENSE NO. 001665

SHAFFER & HINES
CONSULTING ENGINEERS - REGISTERED LAND SURVEYORS
P.O. Box 493, Nixa, Missouri, 65714
Tel: (417) 725-4663 - Fax: (417) 725-5230
Email: chines@shaffer&hines.com

WATERLINE DETAILS

DESIGN BY JCMH
DRAWN BY GSM
CHK'D BY JCMH
DATE NOV. 2023
SCALE AS SHOWN
REVISIONS

JOB NO. 232009

SHEET WAT 03