DESIGN DESIGNATION

	BUS 50	ROUTE J
A.A.D.T. - 2025 =	4,500	2,800
T =	4%	5%
V =	25 M.P.H.	25 M.P.H.
FUNCTIONAL CLASSIFICATION-	MINOR ARTERIAL	MINOR ARTERIAL

NORMAL RIGHT OF WAY TO BE ACQUIRED

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	D	
DITCH BLOCK		
GROUND MOUNTED SIGN	SIGN	
LIGHT POLE		
H-FRAME POWER POLE	PED	
TELEPHONE PEDESTAL		
FENCE		
CHAIN LINK	-V-	
WOVEN WIRE	-X-	
GATE POST		
BENCHMARK	BM	

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

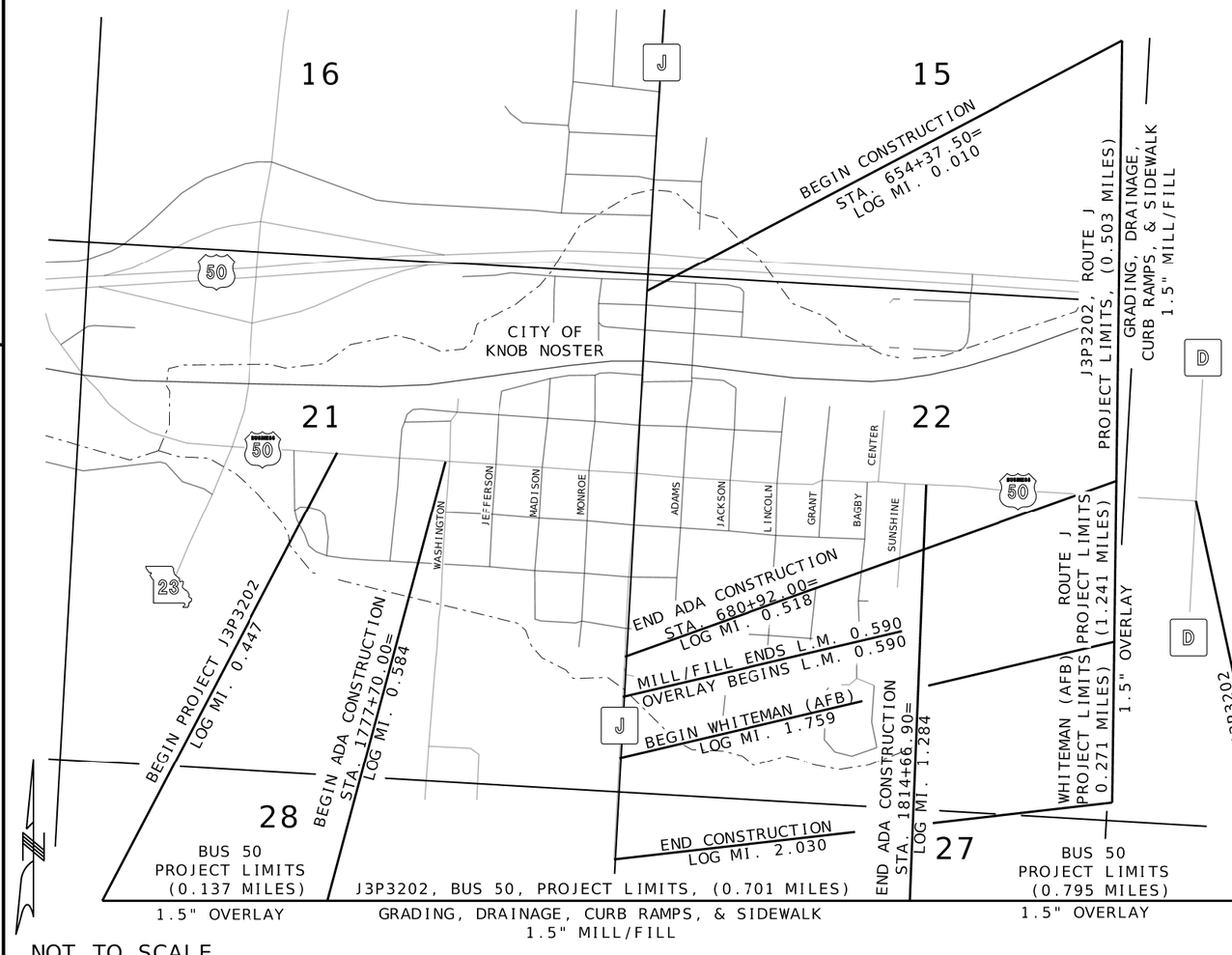
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED

STATE HIGHWAY
JOHNSON COUNTY
SECTIONS 21 & 22, 27 & 28
T31N, R24W



KEY MAP
LOCATION OF JOHNSON COUNTY



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.

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (TS) (9 SHEETS)	2
QUANTITIES (QU) (17 SHEETS)	3
PLAN-SHEETS (PP)	4-16
RIGHT OF WAY SHEETS(RW)	17-29
COORDINATE POINTS (CP)	30
SPECIAL SHEETS (SS)	31-68
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EROSION CONTROL SHEETS (EC)	76-84
PAVEMENT MARKING / SIGNING SHEETS	85-92
CULVERT SECTIONS (CS)	93-102
CROSS SECTIONS (X5)	1-18

LENGTH OF PROJECT

BUS 50

BEGINNING OF PROJECT	LOG MILE 0.447
BEGIN OF ADA CONST.	LOG MILE 0.584= STA. 1777+70.00
END OF ADA CONST.	STA. 1814+66.90= LOG MILE 1.284
END OF PROJECT	LOG MILE 2.079
APPARENT LENGTH	8617.86 FEET

EQUATIONS AND EXCEPTIONS:

STA. 1802+00.00 BK.= STA. 1801+99.00 AH.	
CORRECTIONS	-1.00 FEET
STA. 1805+83.65 BK.= STA. 1805+84.10 AH.	
CORRECTIONS	0.45 FEET

ROUTE J

BEGINNING OF CONST.	STA. 654+37.50= LOG MILE 0.010
END OF ADA CONST.	STA. 680+92.00 = LOG MILE 0.518
END OF CONST.	LOG MILE 1.759
APPARENT LENGTH	9206.98

WHITEMAN (AFB)

BEGIN WHITEMAN(AFB)	LOG MILE 1.759
END OF CONSTRUCTION	LOG MILE 2.030
APPARENT LENGTH	1430.88 FEET

EQUATIONS AND EXCEPTIONS:

TOTAL CORRECTIONS	-0.55 FEET
NET LENGTH OF PROJECT	19255.17 FEET
STATE LENGTH	3.647 MILES
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES	2 ACRES

REID BRENNEN CATT NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER MO# PE-2010019516

DATE PREPARED: 8/18/2026
ROUTE: BU50/J | STATE: MO
DISTRICT: KC | SHEET NO.: 1
COUNTY: JOHNSON
JOB NO.: J3P3202
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

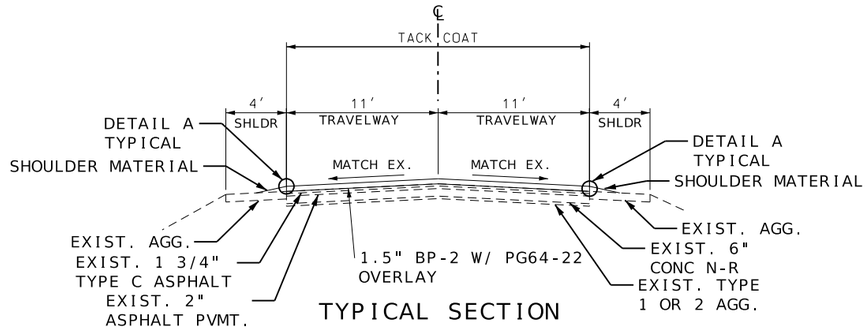
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

olsson
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF AUTHORITY NO. 001592

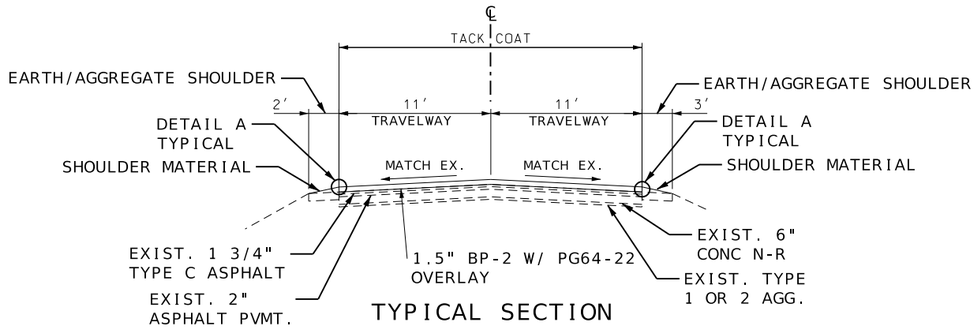
ASPHALT FACTORS	
MATERIAL	TONS/CY
BP-2, PG64-22	1.934

TACK COAT APPLICATION RATE
0.10 GAL/SQ YD (UNDILUTED)



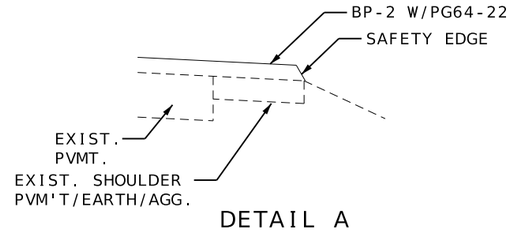
TYPICAL SECTION

BUS 50/McPHERSON ST
LOG MILE 1.382 TO LOG MILE 2.079

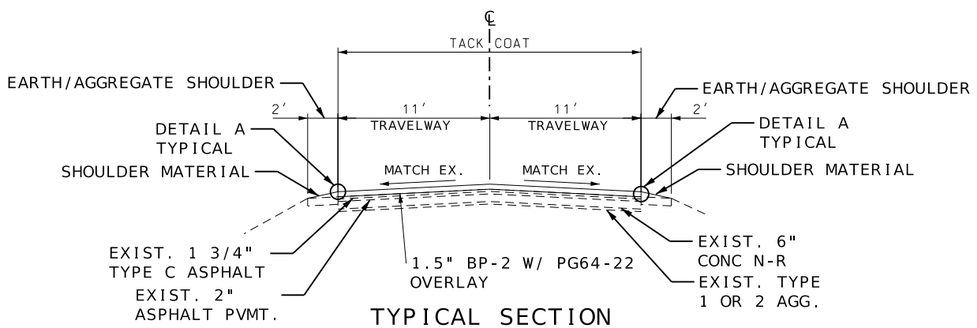


TYPICAL SECTION

BUS 50/McPHERSON ST
LOG MILE 1.347 TO LOG MILE 1.382



DETAIL A



TYPICAL SECTION

BUS 50/McPHERSON ST
LOG MILE 0.447 TO LOG MILE 0.584
LOG MILE 1.284 TO LOG MILE 1.347
LOG MILE 0.584= STA. 1777+70.00
LOG MILE 1.284= STA. 1814+66.90

NOTES:
1. NOTIFY ENGINEER TWO WEEKS PRIOR TO PROJECT COMPLETION.
2. SURFACE PLACEMENTS SHALL BE ONE PASS PER LANE.
3. NO S.E. CORRECTION.

TYPICAL SECTION
SHEET 1 OF 9

REID BRENNEN CATT NUMBER PE-2010019516

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	2

COUNTY
JOHNSON

JOB NO.
J3P3202

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)

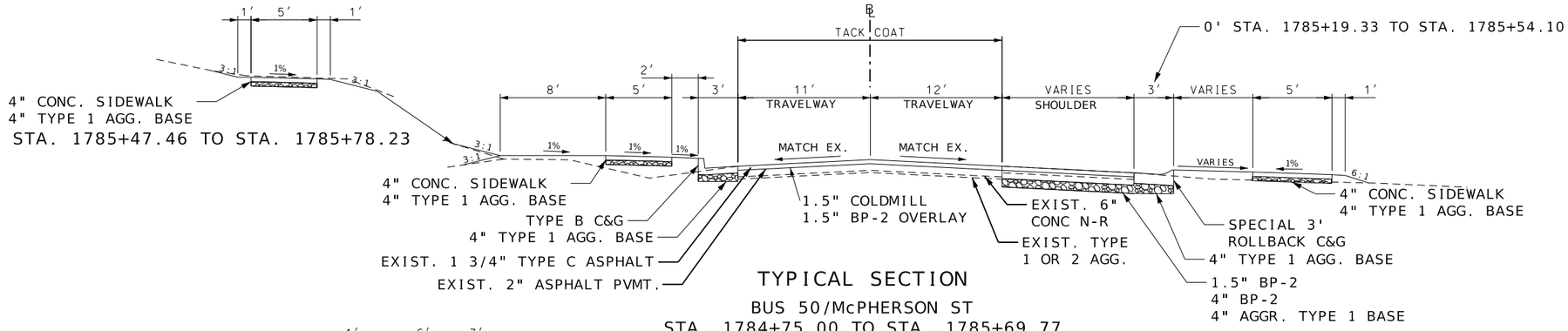
olsson
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592

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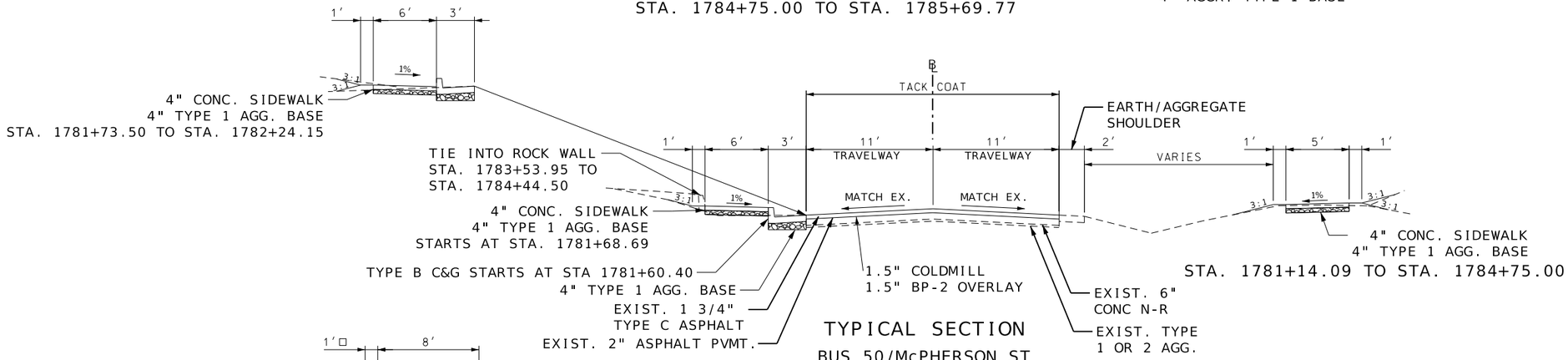
ASPHALT FACTORS	
MATERIAL	TONS/CY
BP-2, PG64-22	1.934

TACK COAT APPLICATION RATE
0.10 GAL/SQ YD (UNDILUTED)

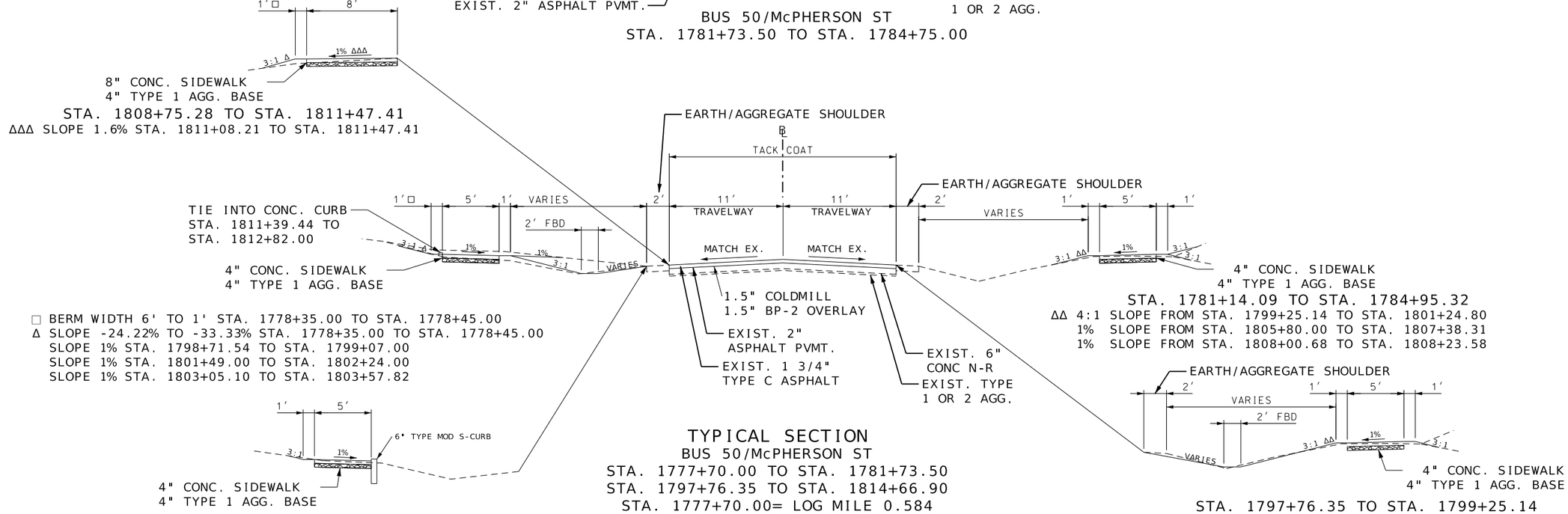
AGGREGATE BASE	
MATERIAL	TONS/SY
TYPE 5 AGGREGATE	0.22



TYPICAL SECTION
BUS 50/McPHERSON ST



TYPICAL SECTION
BUS 50/McPHERSON ST
STA. 1781+73.50 TO STA. 1784+75.00



□ BERM WIDTH 6' TO 1' STA. 1778+35.00 TO STA. 1778+45.00
Δ SLOPE -24.22% TO -33.33% STA. 1778+35.00 TO STA. 1778+45.00
SLOPE 1% STA. 1798+71.54 TO STA. 1799+07.00
SLOPE 1% STA. 1801+49.00 TO STA. 1802+24.00
SLOPE 1% STA. 1803+05.10 TO STA. 1803+57.82

TYPICAL SECTION
BUS 50/McPHERSON ST
STA. 1777+70.00 TO STA. 1781+73.50
STA. 1797+76.35 TO STA. 1814+66.90
STA. 1777+70.00= LOG MILE 0.584
STA. 1814+66.90= LOG MILE 1.284

TYPICAL SECTION
SHEET 2 OF 9

REID BRENNEN CATT NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED: 8/18/2026
ROUTE: BU50/J | STATE: MO
DISTRICT: KC | SHEET NO.: 2
COUNTY: JOHNSON
JOB NO.: J3P3202
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

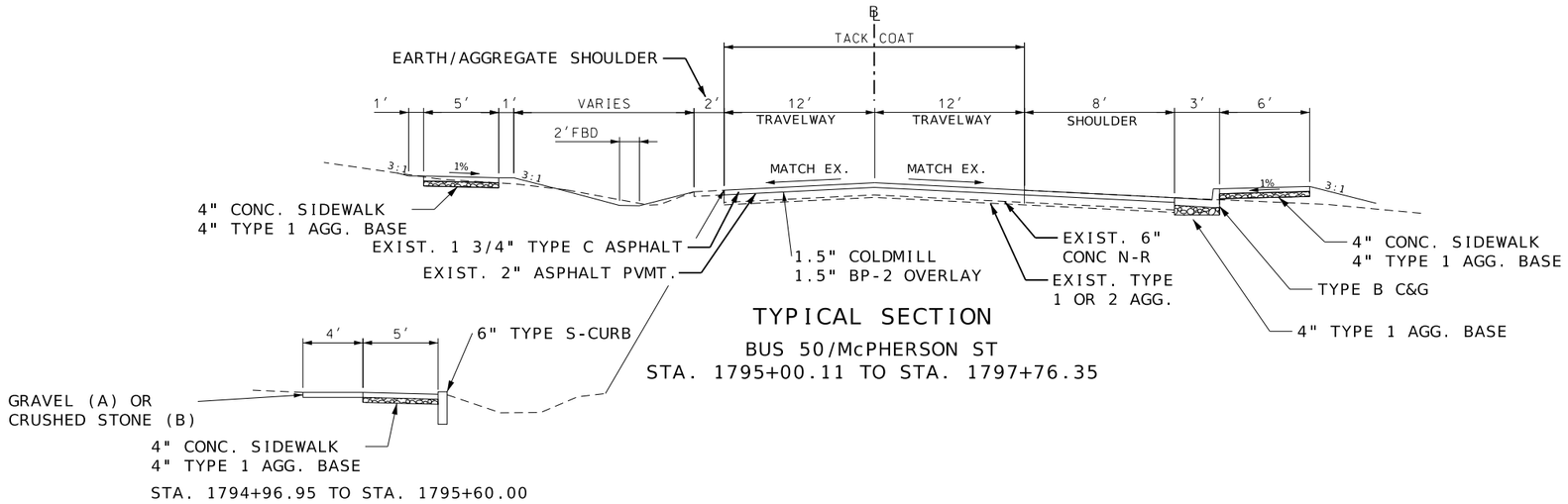
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

olsson
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF AUTHORITY NO. 001592

ASPHALT FACTORS	
MATERIAL	TONS/CY
BP-2, PG64-22	1.934

TACK COAT APPLICATION RATE
0.10 GAL/SQ YD (UNDILUTED)

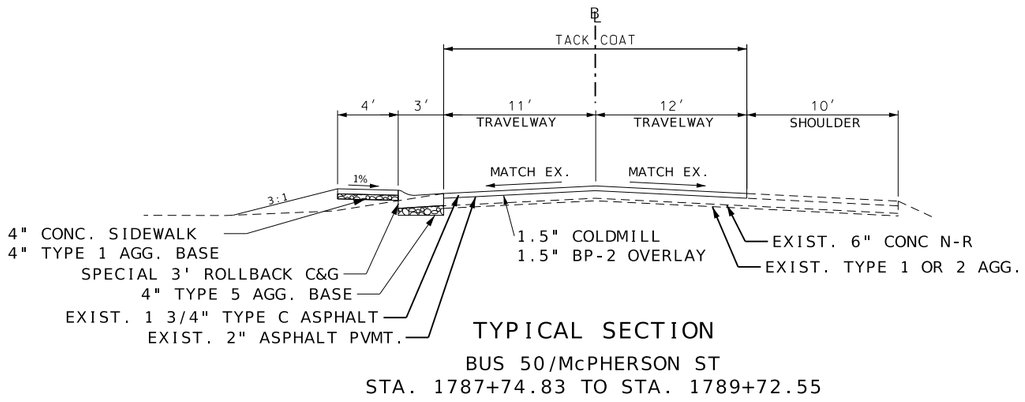


TYPICAL SECTION

BUS 50/McPHERSON ST

STA. 1795+00.11 TO STA. 1797+76.35

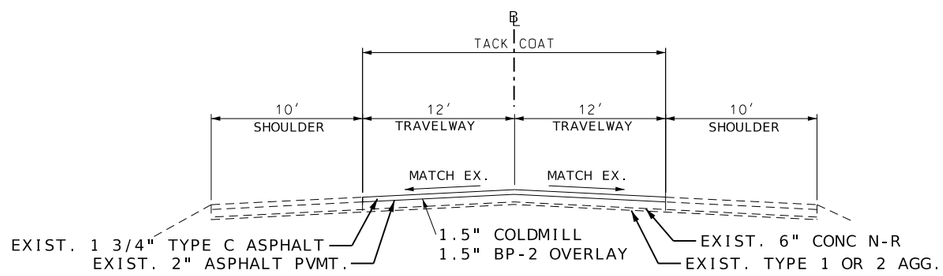
STA. 1794+96.95 TO STA. 1795+60.00



TYPICAL SECTION

BUS 50/McPHERSON ST

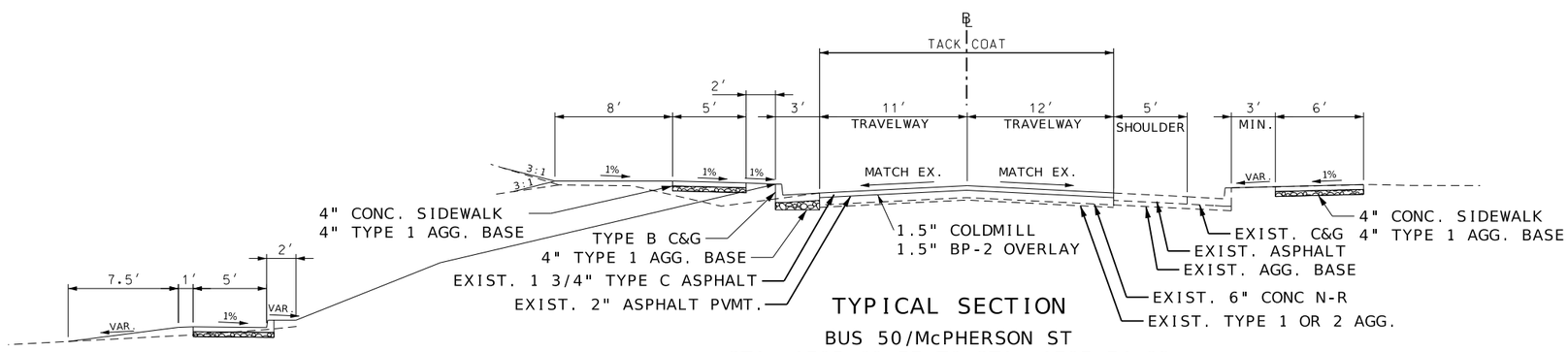
STA. 1787+74.83 TO STA. 1789+72.55



TYPICAL SECTION

BUS 50/McPHERSON ST

STA. 1789+72.55 TO STA. 1795+00.11



STA. 1787+15.08 TO STA. 1787+74.83

TYPICAL SECTION

BUS 50/McPHERSON ST

STA. 1785+69.77 TO STA. 1787+74.83

TYPICAL SECTION
SHEET 3 OF 9

REID BRENNEN CATT NUMBER PE-2010019516

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	2

COUNTY
JOHNSON

JOB NO.
J3P3202

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

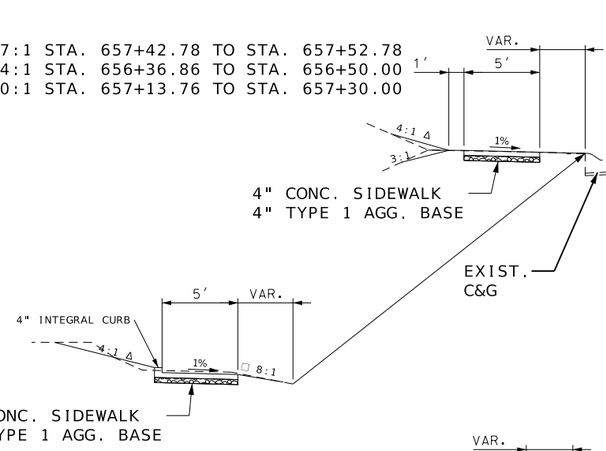
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

olsson
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592

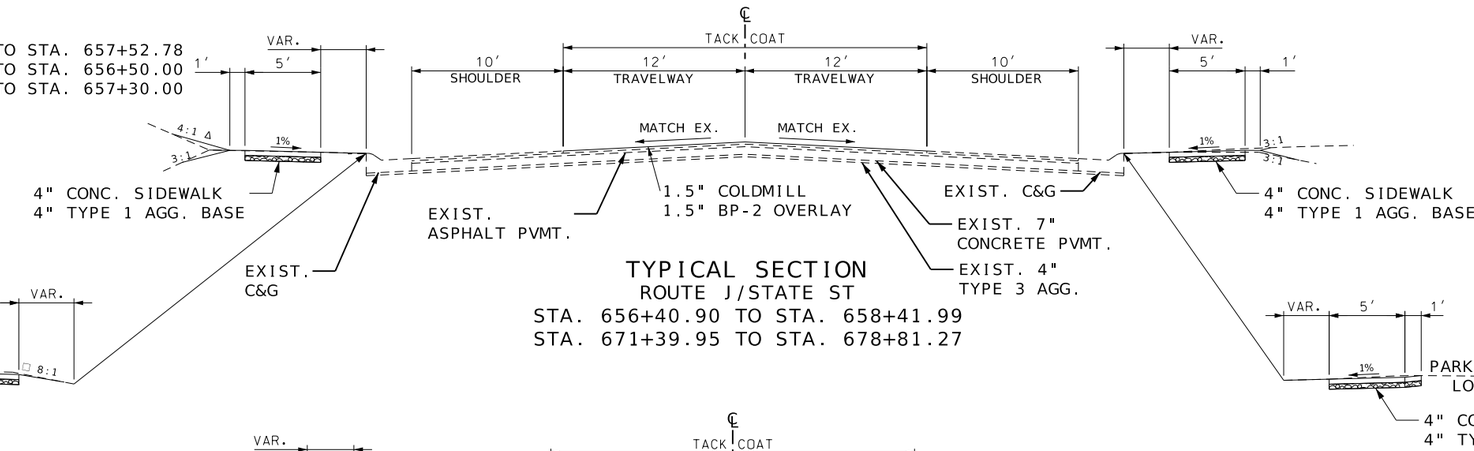
ASPHALT FACTORS	
MATERIAL	TONS/CY
BP-2, PG64-22	1.934

TACK COAT APPLICATION RATE
0.10 GAL/SQ YD (UNDILUTED)

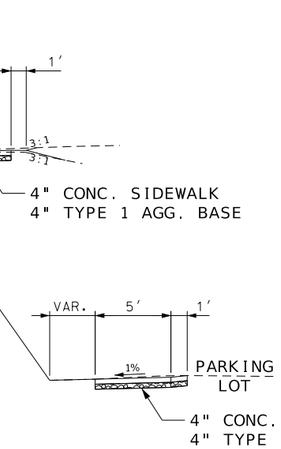
□ 4:1 TO 16.7:1 STA. 657+42.78 TO STA. 657+52.78
Δ 12.7:1 TO 4:1 STA. 656+36.86 TO STA. 656+50.00
4:1 TO 50:1 STA. 657+13.76 TO STA. 657+30.00



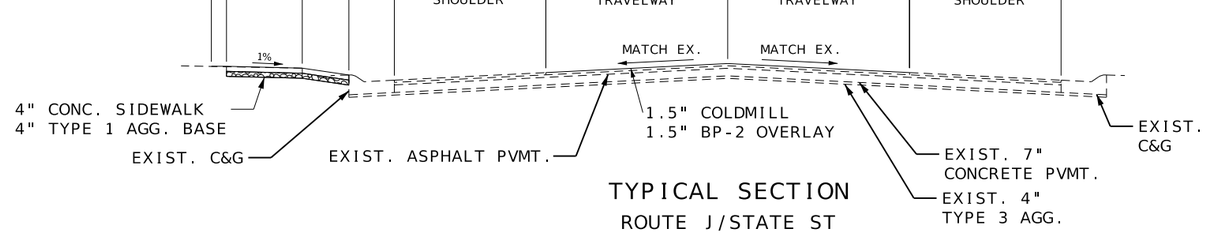
STA. 656+40.14 TO STA. 657+11.00



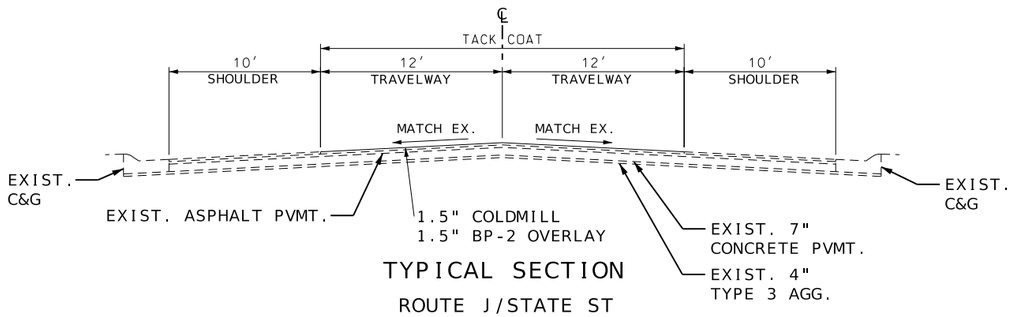
TYPICAL SECTION
ROUTE J/STATE ST
STA. 656+40.90 TO STA. 658+41.99
STA. 671+39.95 TO STA. 678+81.27



STA. 656+40.90 TO STA. 658+27.23



TYPICAL SECTION
ROUTE J/STATE ST
STA. 656+13.53 TO STA. 656+40.90



TYPICAL SECTION
ROUTE J/STATE ST
STA. 654+37.50 TO STA. 656+13.53
STA. 662+23.41 TO STA. 668+02.96
STA. 668+26.00 TO STA. 668+44.03
(EXCLUDE BUS. 50/MCPHERSON ST CROSSING
STA. 668+02.96 TO STA. 668+26.00)

NOTES:
1. NOTIFY ENGINEER TWO WEEKS PRIOR TO PROJECT COMPLETION.
2. SURFACE PLACEMENTS SHALL BE ONE PASS PER LANE.
3. NO S.E. CORRECTION.

TYPICAL SECTION
SHEET 4 OF 9

REID BRENNEN CATT NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED 8/18/2026
ROUTE BU50/J | STATE MO
DISTRICT KC | SHEET NO. 2
COUNTY JOHNSON
JOB NO. J3P3202
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

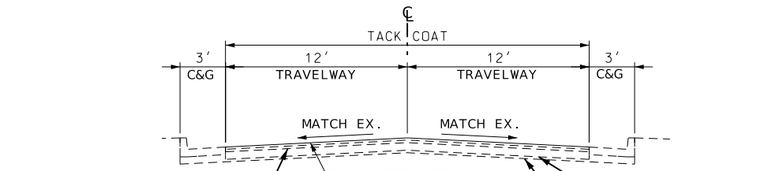
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

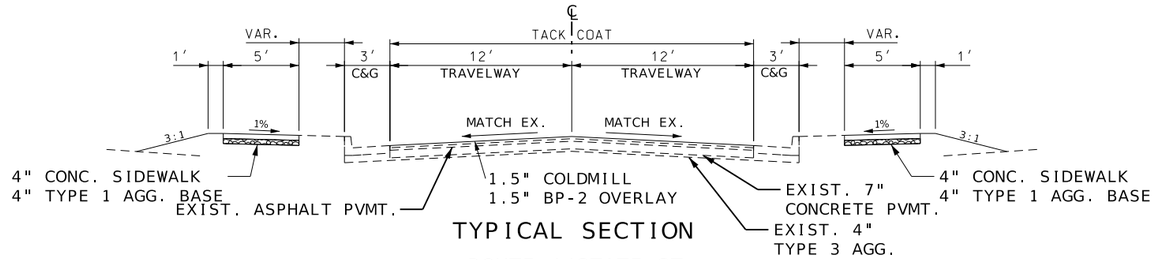
olsson
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF AUTHORITY NO. 001592

ASPHALT FACTORS	
MATERIAL	TONS/CY
BP-2, PG64-22	1.934

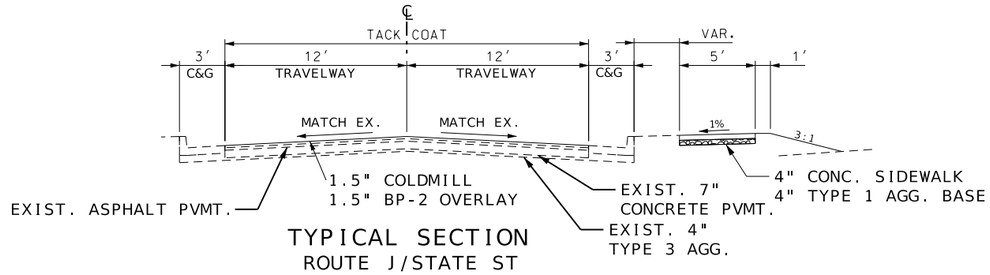
TACK COAT APPLICATION RATE
0.10 GAL/SQ YD (UNDILUTED)



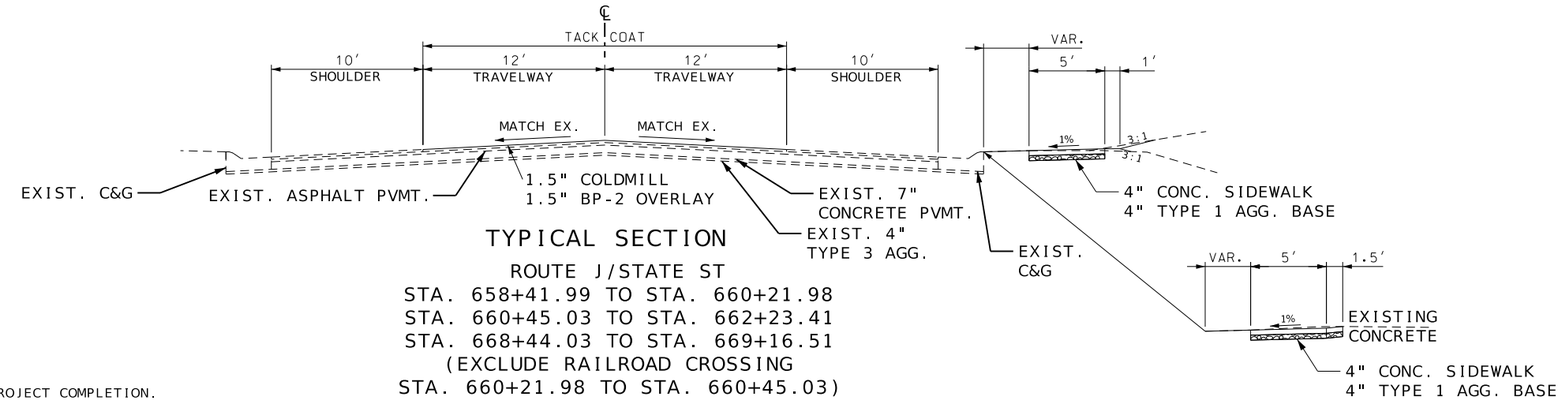
TYPICAL SECTION
ROUTE J/STATE ST
STA. 680+68.49 TO STA. 680+92.00
STA. 680+92.00= LOG MILE 0.518



TYPICAL SECTION
ROUTE J/STATE ST
STA. 671+39.95 TO STA. 678+81.27



TYPICAL SECTION
ROUTE J/STATE ST
STA. 669+16.51 TO STA. 671+39.95
STA. 678+81.27 TO STA. 680+68.49



TYPICAL SECTION
ROUTE J/STATE ST
STA. 658+41.99 TO STA. 660+21.98
STA. 660+45.03 TO STA. 662+23.41
STA. 668+44.03 TO STA. 669+16.51
(EXCLUDE RAILROAD CROSSING
STA. 660+21.98 TO STA. 660+45.03)

STA. 661+48.17 TO STA. 661+97.15

NOTES:
1. NOTIFY ENGINEER TWO WEEKS PRIOR TO PROJECT COMPLETION.
2. SURFACE PLACEMENTS SHALL BE ONE PASS PER LANE.
3. NO S.E. CORRECTION.

REID BRENNEN CATT NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	2

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

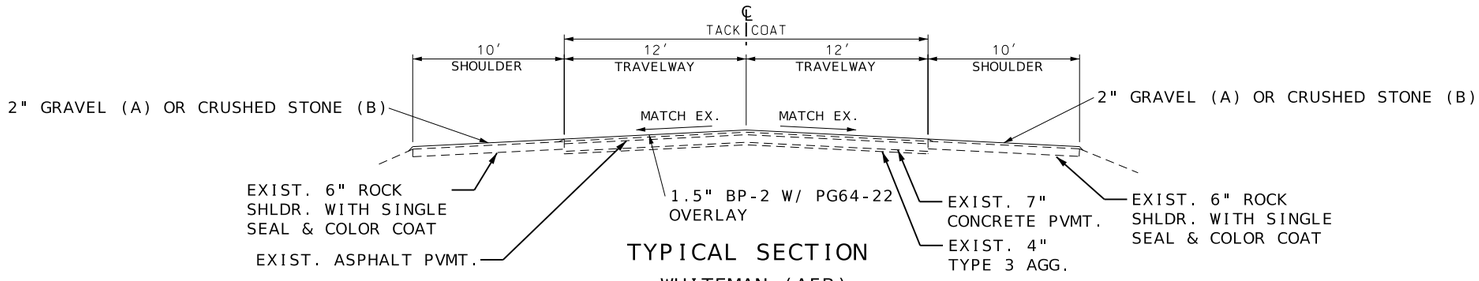
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olsson
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NORTH KANSAS CITY, MO 64116
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CERTIFICATE OF
AUTHORITY NO. 001592

TYPICAL SECTION
SHEET 5 OF 9

ASPHALT FACTORS	
MATERIAL	TONS/CY
BP-2, PG64-22	1.934

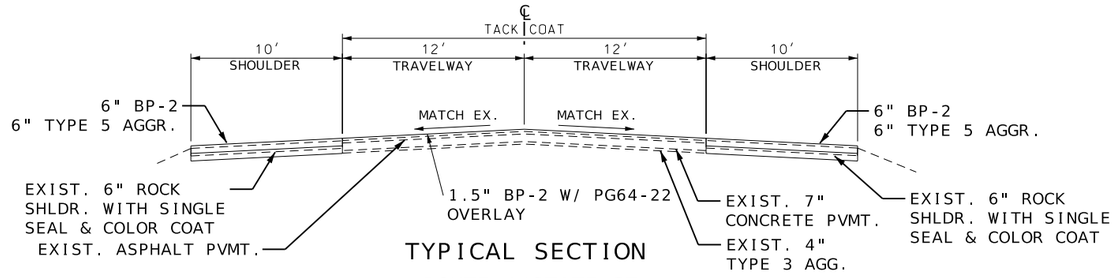
TACK COAT APPLICATION RATE
0.10 GAL/SQ YD (UNDILUTED)



TYPICAL SECTION

WHITEMAN (AFB)

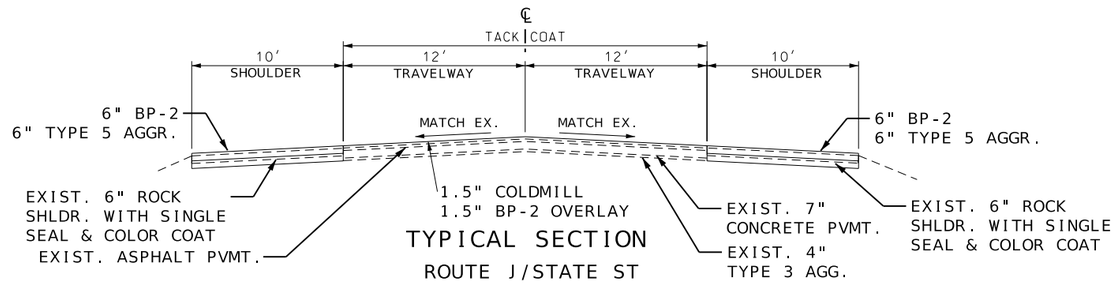
LOG MILE 1.759 TO LOG MILE 2.030



TYPICAL SECTION

ROUTE J/STATE ST

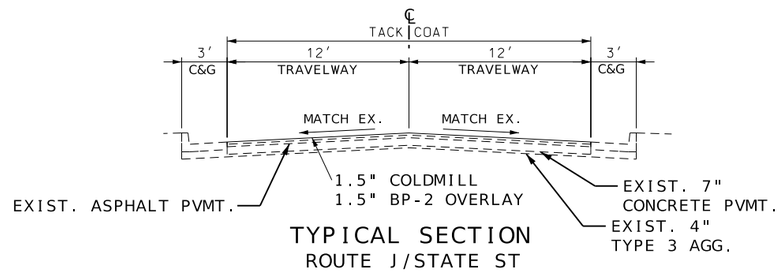
LOG MILE 0.590 TO LOG MILE 1.759



TYPICAL SECTION

ROUTE J/STATE ST

LOG MILE 0.544 TO LOG MILE 0.590



TYPICAL SECTION

ROUTE J/STATE ST

LOG MILE 0.518 TO LOG MILE 0.544

LOG MILE 0.518= STA. 680+92.00

NOTES:
1. NOTIFY ENGINEER TWO WEEKS PRIOR TO PROJECT COMPLETION.
2. SURFACE PLACEMENTS SHALL BE ONE PASS PER LANE.
3. NO S.E. CORRECTION.

REID BRENNEN CATT NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER MO# PE-2010019516

DATE PREPARED 8/18/2026

ROUTE BU50/J | STATE MO

DISTRICT KC | SHEET NO. 2

COUNTY JOHNSON

JOB NO. J3P3202

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION | DATE

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

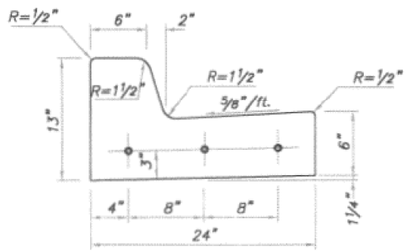
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

olsson
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF AUTHORITY NO. 001592

TYPICAL SECTION
SHEET 6 OF 9

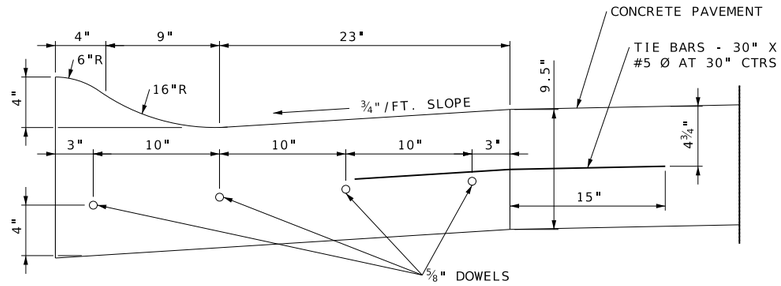
ASPHALT FACTORS	
MATERIAL	TONS/CY
BP-2, PG64-22	1.934

TACK COAT APPLICATION RATE
0.10 GAL/SQ YD (UNDILUTED)

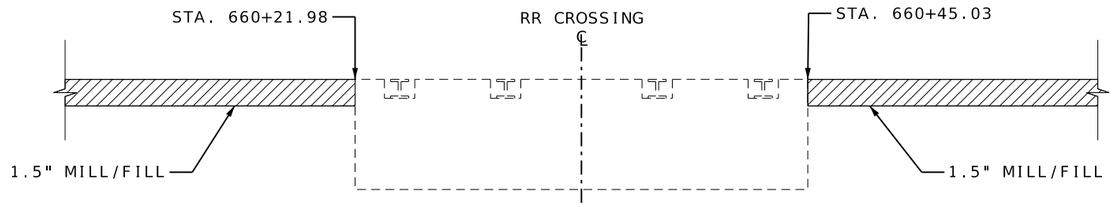


APWA STRAIGHT BACK CURB & GUTTER
(TYPE CG-1)

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.

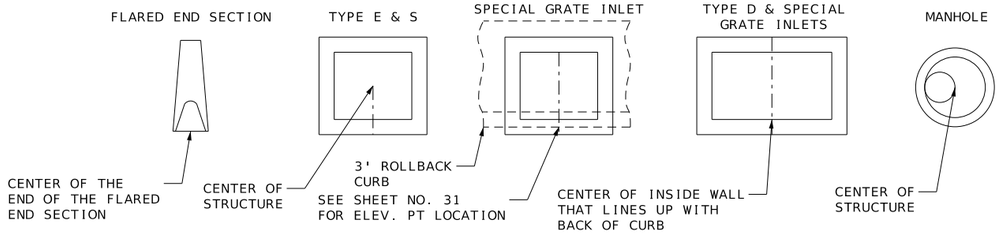


3' ROLL BACK CURB AND GUTTER



ROUTE J
TYPICAL AT RAILROAD
STA.660+33.50

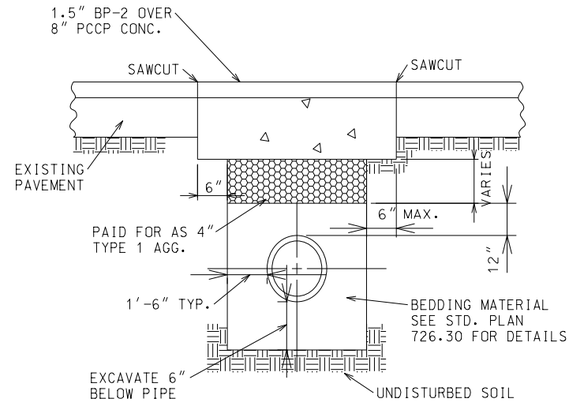
SEE PLAN SHEET 10 OF 13
FOR PLAN VIEW DETAIL



STORM STRUCTURE LOCATION POINTS

NOT TO SCALE

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



PAVEMENT REPAIR DETAIL FOR PIPE INSTALLATIONS

STA. 1781+27.19 TO STA. 1781+67.71 MCPHERSON ST LT
STA. 1781+67.71 TO STA. 1784+43.85 MCPHERSON ST LT
STA. 1788+18.83 TO STA. 1789+15.67 MCPHERSON ST LT
STA. 1795+67.83 TO STA. 1795+85.33 MCPHERSON ST CL
STA. 1798+26.77 TO STA. 1798+35.89 MCPHERSON ST CL

SEE CULVERT SECTION SHEETS FOR DETAILS.

TYPICAL SECTION
SHEET 7 OF 9

REID BRENNEN CATT NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	2

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

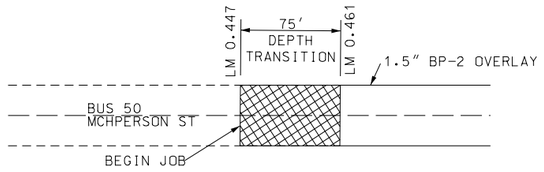
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

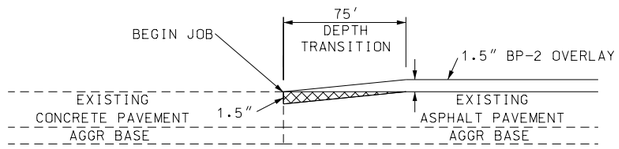
olsson
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF AUTHORITY NO. 001592

DRAWING NOT TO SCALE

BEGIN PROJECT
LOG MILE 0.447

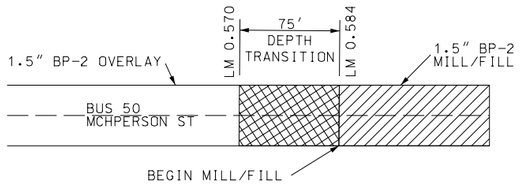


PLAN VIEW AT
BUS 50/MCHPERSON ST

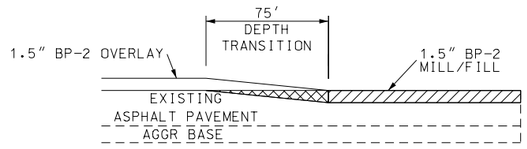


TYPICAL
BU 50/MCHPERSON ST

BEGIN ADA CONSTRUCTION
STA. 1777+70.00 = LM 0.584



PLAN VIEW AT
BUS 50/MCHPERSON ST

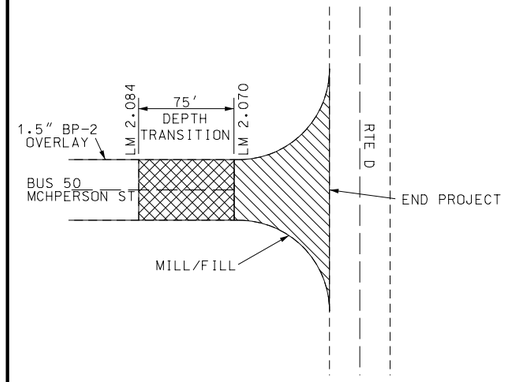


TYPICAL
BU 50/MCHPERSON ST

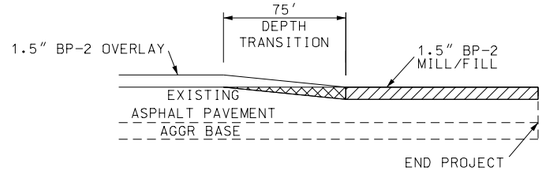
END PROJECT
LOG MILE 2.079

ASPHALT FACTORS	
MATERIAL	TONS/CY
BP-2, PG64-22	1.934

TACK COAT APPLICATION RATE
0.10 GAL/SQ YD (UNDILUTED)

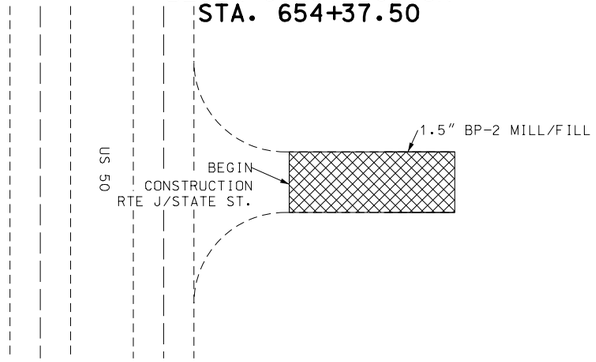


PLAN VIEW AT BU 50/MCHPERSON ST

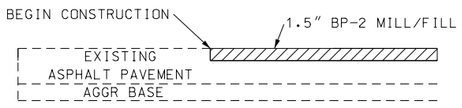


TYPICAL
BU 50/MCHPERSON ST

BEGIN CONSTRUCTION
STA. 654+37.50

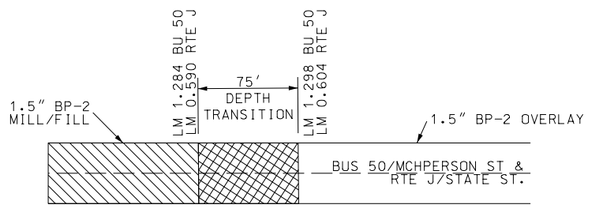


PLAN VIEW AT RTE J/STATE ST

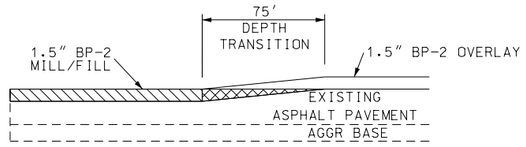


TYPICAL
RTE J/STATE ST

END ADA CONSTRUCTION BUS 50
STA. 1814+66.90 = LM 1.284
END MILL/FILL RTE J
LOG MILE 0.590

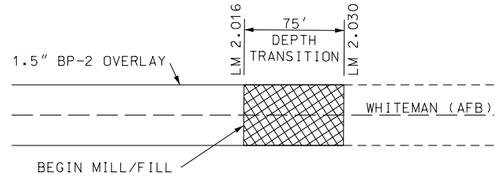


PLAN VIEW AT
BUS 50/MCPHERSON ST. & RTE J/STATE ST

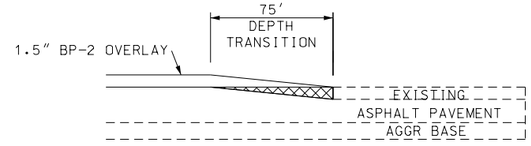


TYPICAL
BUS 50/MCPHERSON ST & RTE J/STATE ST

END CONSTRUCTION
LOG MILE 2.030



PLAN VIEW AT
WHITEMAN (AFB)



TYPICAL
WHITEMAN (AFB)

TYPICAL SECTION
SHEET 8 OF 9

REID
BRENNEN CATT
NUMBER
PE-2010019516

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	2

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

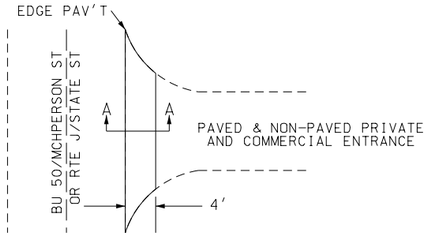
DESCRIPTION	DATE

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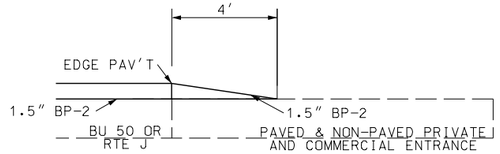
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

olsson
1301 BURLINGTON STREET, SUITE 100
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CERTIFICATE OF
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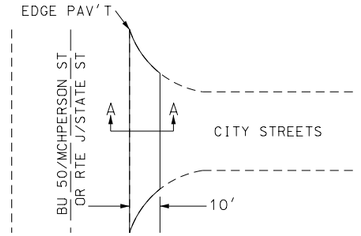
DRAWING NOT TO SCALE



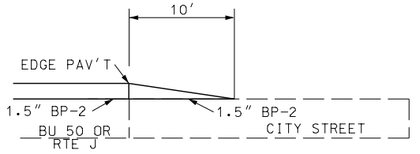
PLAN VIEW FOR PAVED & NON-PAVED
PRIVATE AND COMMERCIAL ENTRANCES



TYPICAL
SECTION A-A



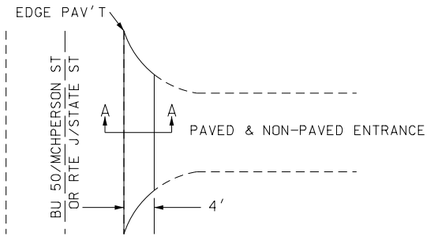
PLAN VIEW FOR PAVED
CITY STREETS



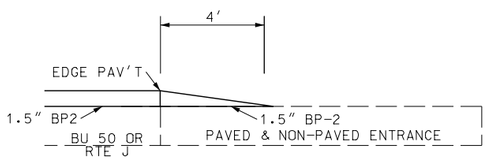
TYPICAL
SECTION A-A

ASPHALT FACTORS	
MATERIAL	TONS/CY
BP-2, PG64-22	1.934

TACK COAT APPLICATION RATE
0.10 GAL/SQ YD (UNDILUTED)



PLAN VIEW FOR NON-PAVED & PAVED
ENTRANCES WITH OR WITHOUT EXISTING APRON

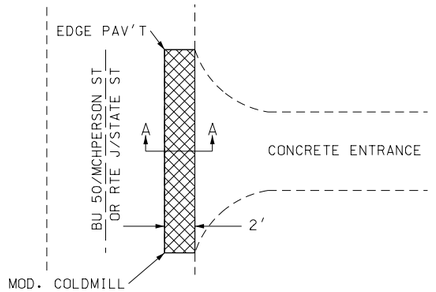


TYPICAL
SECTION A-A

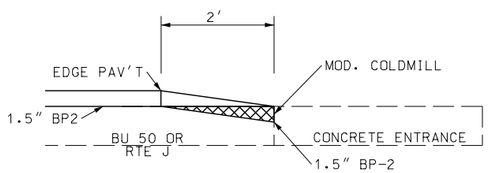
NOTES

ALL GRADING NECESSARY FOR THE PROPER CONSTRUCTION OF HOT MIX AND AGGREGATE APRONS SHALL BE CONSIDERED INCIDENTAL WORK AND AT NO DIRECT PAY.

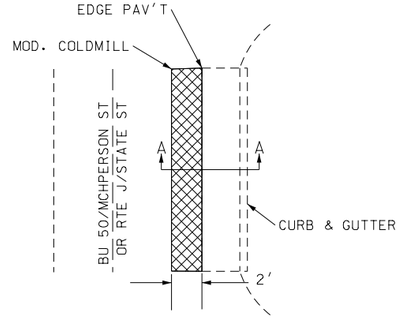
THE WIDTH OF ALL HOT MIX AND AGGREGATE APRONS MAY BE ADJUSTED BY THE ENGINEER AS NECESSARY TO OBTAIN SUITABLE TRANSITIONS.



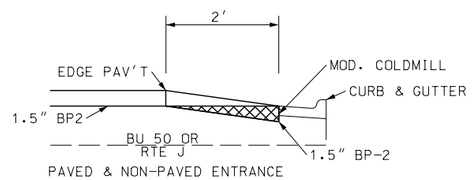
PLAN VIEW CONCRETE ENTRANCE



TYPICAL
SECTION A-A



PLAN VIEW FOR CURB & GUTTER



TYPICAL
SECTION A-A

TYPICAL SECTION
SHEET 9 OF 9

REID
BRENNEN CATT
NUMBER
PE-2010019516

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	2

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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JEFFERSON CITY, MO 65102
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olsson
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CERTIFICATE OF
AUTHORITY NO. 001592

REMOVAL OF IMPROVEMENTS

SHEET	STA.	STA.	LOCATION	DESCRIPTION
4	1778+28.98	1780+01.90	MCPHERSON ST LT	85 SY SIDEWALK
4	1778+33.05		MCPHERSON ST LT	7.5 FT EXIST. PIPE
4	1778+43.84		MCPHERSON ST RT	1 SIGN, 1 POST REMOVE & REPLACE
4	1778+47.44		MCPHERSON ST RT	1 SIGN, 1 POST REMOVE & REPLACE
4	1779+41.17	1779+70.50	MCPHERSON ST LT	29.5 FT EXIST. PIPE
4	1781+14.36	1781+24.67	MCPHERSON ST RT	13 SY SIDEWALK
4	1781+26.71		MCPHERSON ST LT	1 SIGN, 1 POST REMOVE & REPLACE
4	1781+24.11		MCPHERSON ST LT	4 FT EXIST. PIPE
4	1781+24.83	1781+61.41	MCPHERSON ST LT	37 FT EXIST. PIPE
5	1781+54.61	1781+71.73	MCPHERSON ST RT	12 SY SIDEWALK
5	1781+64.49	1782+64.04	MCPHERSON ST LT	100 FT EXIST. PIPE
5	1781+67.20	1781+72.09	MCPHERSON ST RT	5 FT EXIST. PIPE
5	1781+91.59	1781+94.43	MCPHERSON ST RT	2 SY SIDEWALK
5	1782+24.15	1782+65.13	MCPHERSON ST LT	41' SAWCUT
5	1782+27.12	1782+62.59	MCPHERSON ST LT	50 SY CONCRETE ENTRANCE
5	1782+62.37	1782+62.90	MCPHERSON ST LT	PARTIAL RETAINING WALL
5	1782+97.18	1783+29.07	MCPHERSON ST LT	PARTIAL RETAINING WALL
5	1783+08.00	1783+47.46	MCPHERSON ST RT	40' SAWCUT
5	1783+32.45	1783+52.46	MCPHERSON ST LT	PARTIAL RETAINING WALL
5	1784+44.58	1784+95.38	MCPHERSON ST RT	51' SAWCUT
5	1784+44.58	1784+95.38	MCPHERSON ST RT	89 SY PAVEMENT
5	1784+50.01	1785+00.76	MCPHERSON ST LT	51' SAWCUT
5	1784+59.35		MCPHERSON ST LT	1 SIGN, 1 POST REMOVE & REPLACE
5	1784+60.00	1785+00.76	MCPHERSON ST LT	104 SY PAVEMENT
5	1784+61.77	1784+82.63	MCPHERSON ST RT	21' SAWCUT
5	1784+62.50	1784+88.10	MCPHERSON ST LT	26' SAWCUT
5	1784+87.51		MCPHERSON ST RT	1 SIGN, 1 POST REMOVE & REPLACE
5	1784+88.58	1785+93.72	MCPHERSON ST LT	86 SY SIDEWALK & CONCRETE ENTRANCE
5	1784+93.39		MCPHERSON ST RT	5 FT EXIST. PIPE
5	1785+06.52	1785+22.79	MCPHERSON ST LT	16.5 FT EXIST. PIPE
5	1785+87.01	1786+19.47	MCPHERSON ST RT	20 SY CURB & PAVED ENTRANCE
5	1785+90.93		MCPHERSON ST RT	1 SIGN, 1 POST REMOVE & REPLACE
5	1786+47.00	1786+79.45	MCPHERSON ST RT	20 SY CURB & PAVED ENTRANCE
6	1787+92.08	1788+16.65	MCPHERSON ST LT	25' SAWCUT
6	1788+23.19	1788+24.18	MCPHERSON ST LT	66 FT EXIST. PIPE
7	1795+58.73	1795+78.96	MCPHERSON ST LT	20 FT EXIST. PIPE
7	1795+67.83	1795+77.17	MCPHERSON ST	34' SAWCUT
7	1795+76.00	1795+85.33	MCPHERSON ST	34' SAWCUT
7	1795+85.46	1796+14.75	MCPHERSON ST LT	29 FT EXIST. PIPE
7	1796+49.02	1796+67.86	MCPHERSON ST LT	19 FT EXIST. PIPE
7	1796+72.45	1796+90.45	MCPHERSON ST LT	18 FT EXIST. PIPE
8	1797+60.03	1798+09.64	MCPHERSON ST RT	51 SY PAVEMENT
8	1797+65.12	1798+05.82	MCPHERSON ST LT	41 FT EXIST. PIPE
8	1797+65.53	1798+11.63	MCPHERSON ST LT	75 SY PAVEMENT
8	1797+75.00	1798+05.54	MCPHERSON ST RT	31' SAWCUT
8	1797+81.85	1797+98.65	MCPHERSON ST LT	17' SAWCUT
8	1798+25.88		MCPHERSON ST RT	1 SIGN, 1 POST REMOVE & REPLACE
8	1798+35.80		MCPHERSON ST RT	1 SIGN, 1 POST REMOVE & REPLACE
8	1798+97.00	1799+26.00	MCPHERSON ST LT	29' SAWCUT
8	1798+97.96	1799+23.10	MCPHERSON ST LT	25 FT EXIST. PIPE
8	1799+06.64	1799+43.66	MCPHERSON ST RT	37' SAWCUT
8	1799+07.00	1799+16.00	MCPHERSON ST LT	9' SAWCUT
8	1799+16.64	1799+33.64	MCPHERSON ST RT	17' SAWCUT
8	1800+94.79		MCPHERSON ST RT	1 SIGN, 1 POST REMOVAL
8	1801+01.19	1801+50.59	MCPHERSON ST LT	80 SY PAVEMENT
8	1801+01.41		MCPHERSON ST LT	1 SIGN, 1 POST REMOVE & REPLACE
8	1801+36.62	1803+02.18	MCPHERSON ST LT	* 89 SY CONC. & BRICK SIDEWALK
8	1801+40.68	1802+41.90	MCPHERSON ST RT	62 SY SIDEWALK
8	1801+43.41		MCPHERSON ST RT	1 SIGN, 1 POST REMOVE & REPLACE
8	1801+48.86		MCPHERSON ST LT	6 FT EXIST. PIPE
8	1802+52.79	1802+60.12	MCPHERSON ST LT	3 SY OVERHEAD TRELIS
8	1802+53.87	1802+56.94	MCPHERSON ST LT	3' SAWCUT
8	1802+69.34	1802+72.19	MCPHERSON ST RT	3 SY SIDEWALK
9	1803+22.91	1804+50.68	MCPHERSON ST RT	258 SY PAVEMENT
9	1803+47.19	1803+67.54	MCPHERSON ST RT	20 SY SIDEWALK
1 LUMP SUM				

* SIDEWALK BRICKS SHALL BE PLACED ON PALLETS PER ENGINEER
SEE POWELL'S QTY SHEET 13 THRU 16 OF 17 FOR ADDITION REMOVALS

REMOVAL OF IMPROVEMENTS

SHEET	STA.	STA.	LOCATION	DESCRIPTION
	1804+02.83	1804+19.17	MCPHERSON ST RT	18' SAWCUT
9	1804+14.49	1804+71.33	MCPHERSON ST LT	59' SAWCUT
9	1804+14.49	1804+71.33	MCPHERSON ST LT	87 SY PAVEMENT
9	1804+34.23	1804+41.33	MCPHERSON ST RT	12 FT EXIST. PIPE
9	1804+42.27	1804+56.28	MCPHERSON ST LT	16' SAWCUT
9	1804+42.45		MCPHERSON ST RT	1 SIGN, 1 POST REMOVE & REPLACE
9	1805+12.73	1805+30.23	MCPHERSON ST RT	8 SY SIDEWALK
9	1805+19.53	1805+61.63	MCPHERSON ST RT	42' SAWCUT
9	1805+24.38	1805+66.27	MCPHERSON ST LT	42' SAWCUT
9	1805+27.48	1805+60.27	MCPHERSON ST LT	71 SY CONCRETE ENTRANCE & CURB
9	1805+30.05	1805+51.64	MCPHERSON ST RT	38 SY ASPHALT ENTRANCE
9	1805+30.20	1805+51.87	MCPHERSON ST RT	21' SAWCUT
9	1805+34.15	1805+56.52	MCPHERSON ST LT	22' SAWCUT
9	1805+79.78	1806+65.16	MCPHERSON ST RT	50 SY SIDEWALK
9	1806+18.87	1806+60.07	MCPHERSON ST LT	41' SAWCUT
9	1806+24.50	1806+54.43	MCPHERSON ST LT	59 SY CONCRETE ENTRANCE
9	1806+31.02	1806+47.03	MCPHERSON ST LT	16' SAWCUT
9	1806+56.99	1806+92.62	MCPHERSON ST RT	36' SAWCUT
9	1806+64.74	1806+83.07	MCPHERSON ST RT	14 SY CONCRETE ENTRANCE
9	1806+67.19	1806+82.80	MCPHERSON ST RT	16' SAWCUT
9	1806+85.77	1807+43.66	MCPHERSON ST RT	30 SY SIDEWALK
9	1806+95.88	1806+98.86	MCPHERSON ST LT	7 SY SIDEWALK
9	1807+29.08	1808+07.51	MCPHERSON ST RT	78' SAWCUT
9	1807+36.15	1808+00.43	MCPHERSON ST RT	116 SY ASPHALT ENTRANCE
9	1807+48.62	1807+73.57	MCPHERSON ST RT	25' SAWCUT
9	1807+68.25	1807+71.25	MCPHERSON ST LT	2 SY SIDEWALK
9	1807+90.17	1807+97.56	MCPHERSON ST RT	7' SAWCUT
9 - 10	1808+06.32	1808+57.15	MCPHERSON ST LT	56 SY CONCRETE & ASPHALT ENTRANCE
10	1808+44.32		MCPHERSON ST LT	1 SIGN, 1 POST REMOVAL
10	1809+33.36	1809+69.90	MCPHERSON ST LT	20 SY SIDEWALK
10	1809+83.08	1809+94.08	MCPHERSON ST LT	18 SY SIDEWALK
10	1810+71.46	1810+73.90	MCPHERSON ST LT	4 SY SIDEWALK
10	1811+39.59	1811+72.89	MCPHERSON ST LT	39 FT CURB
10	1811+42.44	1811+45.56	MCPHERSON ST LT	* 89 SY BRICK SIDEWALK
10	1812+73.02	1813+05.00	MCPHERSON ST LT	33' SAWCUT
10	1812+79.16	1812+99.40	MCPHERSON ST LT	13 SY PAVEMENT
10	1812+82.49	1812+95.02	MCPHERSON ST LT	12' SAWCUT
10	1812+97.20	1813+73.44	MCPHERSON ST LT	43 SY SIDEWALK
10 - 11	1813+67.76	1813+90.14	MCPHERSON ST LT	32 SY PAVEMENT
10 - 11	1813+66.03	1813+98.07	MCPHERSON ST LT	32' SAWCUT
11	1813+75.90	1813+87.93	MCPHERSON ST LT	12' SAWCUT
11	1813+85.40	1814+48.38	MCPHERSON ST LT	34 SY SIDEWALK
11	1814+42.88	1814+72.79	MCPHERSON ST LT	30' SAWCUT
11	1814+44.28	1814+63.75	MCPHERSON ST LT	31 SY ASPHALT ENTRANCE
11	1814+48.08	1814+79.15	MCPHERSON ST RT	24 SY SIDEWALK
11	1814+52.79	1814+62.79	MCPHERSON ST LT	10' SAWCUT
12	656+12.94	657+99.10	MCPHERSON ST LT	119 SY SIDEWALK & CURB
12	656+40.90	659+40.00	STATE ST RT	195 SY SIDEWALK
12	657+13.14	657+38.16	STATE ST RT	25' SAWCUT
12	657+13.14	657+38.16	STATE ST RT	52 SY CONCRETE ENTRANCE
12	657+18.43	657+32.76	STATE ST RT	14' SAWCUT
12	657+80.13	658+45.91	STATE ST RT	66' SAWCUT
12	657+80.13	658+45.91	STATE ST RT	66 SY CURB, CONCRETE & ASPHALT ENTRANCE
12	657+84.44	658+43.06	STATE ST LT	59' SAWCUT
12	657+84.44	658+43.06	STATE ST LT	78 SY CURB, CONCRETE & ASPHALT ENTRANCE
12	657+99.08	658+27.23	STATE ST RT	28' SAWCUT
12	658+01.30	658+27.95	STATE ST LT	27' SAWCUT
12	658+30.16	658+57.20	STATE ST LT	14 SY SIDEWALK
13	661+14.02	661+50.73	STATE ST RT	37' SAWCUT
13	661+17.53	661+48.19	STATE ST RT	31' SAWCUT
13	661+55.82		STATE ST RT	1 SIGN, 1 POST REMOVE & REPLACE
13	661+58.51		STATE ST RT	1 SIGN, 1 POST REMOVE & REPLACE
1 LUMP SUM				

* SIDEWALK BRICKS SHALL BE PLACED ON PALLETS PER ENGINEER

CONTRACTOR FURNISHED SURVEYING AND STAKING
1 LUMP SUM

CLEARING AND GRUBBING
1 ACRE

MOBILIZATION
1 LUMP SUM

SUMMARY OF QUANTITIES
SHEET 1 OF 17

REID BRENNEN CATT NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO

DISTRICT	SHEET NO.
KC	3

COUNTY
JOHNSON

JOB NO.
J3P3202

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
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592

CONCRETE STAIRS

SHEET	STA.	LOCATION	NUMBER OF STAIRS	STAIR WIDTH (FT)	STAIR RISE (IN)	STAIR TREAD (IN)	STAIR SLOPE RATIO	CLASS B-1 CONCRETE (CY)	REINFORCING STEEL (LB)	HAND-RAILING FOR STEPS WITHOUT BALUSTERS	
										TOTAL LENGTH (LF)	PAY TOTAL (LF)
5	1783+30.58	MCPHERSON LT	4	5.0	6.00	12	1:2	0.69	33	8	4
5	1785+55.00	MCPHERSON LT	6	5.0	4.75	14.25	3:1	1.06	52	14	10
9	1804+96.20	MCPHERSON LT	3	5.0	4.75	14.25	3:1	0.57	30	7	3
9	1806+40.79	MCPHERSON RT	2	5.0	6	12	2:1	0.38	21	4	2
9	1806+96.90	MCPHERSON LT	4	5.0	4.75	14.25	3:1	0.73	39	10	5
10	1808+84.17	MCPHERSON LT	6	5.0	6	12	2:1	1.00	49	12	8
							SUBTOTALS	4.43	224		32
							*TOTALS	4.40	220		32

*SEE POWELL'S QTY SHEET 13 THRU 16 OF 17 FOR ADDITION QUANTITIES

PAVEMENT

SHEET	STA.	STA.	LOCATION	NET LENGTH (FT)	AVG WIDTH (FT)	MEASURED AREA (SF)	1.5" BP-2 PG 64-22 (TON)	4" BP-2 BASE PG 64-22 (TON)	8" PCCP (SY)	TACK COAT (GAL)	MOD. TACK COAT (GAL)	TYPE 1 AGG. BASE (4 IN.) (SY)	REMARKS
	LOG MILE 0.447	LOG MILE 0.584	MCPHERSON ST CL	723.4	22	18808.4	185.2			176.8			INCLUDED SHLDRS & 10% SAFETY EDGE
	LOG MILE 0.447	LOG MILE 0.584	MCPHERSON ST CL	723.4			10.3						RUTTING & IRREGULARTIES (75 TON/MILE)
	LOG MILE 0.473	LOG MILE 0.484	MCHPERSON ST RT	4	45	180.0	3.2			2.0			2 COMMERICAL ENTRANCES
	LOG MILE 0.485	LOG MILE 0.525	MCHPERSON ST LT& RT	10	31	310.0	8.3			3.4			3 CITY STREETS
	LOG MILE 0.533	LOG MILE 0.558	MCHPERSON ST LT	4	134	536.0	14.4			6.0			THE HANGAR 25 BUISNESS
	LOG MILE 0.569	LOG MILE 0.569	MCPHERSON ST LT & RT	4	23	92.0	1.6			1.0			2 ENTRANCES
4 - 11	1777+70.00	1814+66.90	MCPHERSON ST CL	3696.9	VAR.	88933.3	796.3			988.3			MILL/FILL - PIPE INSTALLATION NOT INCLUDED
4 - 5	1781+27.19	1781+67.71	MCPHERSON ST LT	40.5	VAR.	206.2	1.8		22.9		2.3	11.5	PIPE INSTALLATION
5	1781+67.71	1784+43.85	MCPHERSON ST LT	276.1	2.11	580.8	5.2		64.5		6.5	32.3	PIPE INSTALLATION
5	1785+06.96	1785+69.77	MCPHERSON ST RT	62.8	VAR.	491.0	4.4	11.8		5.5		27.3	PARKING AREA
5	1788+18.83	1789+15.67	MCPHERSON ST LT	96.8		198.6	1.8		22.1		2.2	11.0	PIPE INSTALLATION
7	1795+67.83	1795+85.33	MCPHERSON ST CL	7.8	33.6	263.4	2.4		29.3		2.9	14.6	PIPE INSTALLATION
8	1797+60.44	1798+21.08	MCPHERSON ST LT	VAR.	29.1	696.9	6.2	16.7		7.7		38.7	JACKSON AVE
8	1798+26.77	1798+35.89	MCPHERSON ST CL	5.9	22.9	135.0	1.2		15.0		1.5	7.5	PIPE INSTALLATION
8	1800+92.87	1801+57.72	MCPHERSON ST LT	VAR.	24	736.6	6.6	17.7		8.2		40.9	LINCOLN AVE
9	1808+03.77	1808+54.59	MCPHERSON ST LT	VAR.	19.4	522.4	4.7	12.5		5.8		29.0	CENTER ST
	LOG MILE 1.284	LOG MILE 1.347	MCPHERSON ST CL	332.6	22	8647.6	85.2			81.3			INCLUDED SHLDRS & 10% SAFETY EDGE
	LOG MLIE 1.286	LOG MILE 1.983	MCHPERSON ST LT& RT	4	21	84.0	18.8			0.9			25 ENTRANCES LT & RT
	LOG MILE 1.347	LOG MILE 1.382	MCPHERSON ST CL	184.8	22	5174.4	51.0			45.2			INCLUDED SHLDRS & 10% SAFETY EDGE
	LOG MILE 1.382	LOG MILE 2.079	MCPHERSON ST CL	3680.2	22	110406.0	1087.4			899.6			INCLUDED SHLDRS & 10% SAFETY EDGE
	LOG MILE 1.284	LOG MILE 2.079	MCPHERSON ST CL	4197.6			59.6						RUTTING & IRREGULARTIES (75 TON/MILE)
	LOG MILE 1.472	LOG MILE 1.908	MCHPERSON LT& RT	4	38	152.0	2.7			1.7			5 PRIVATE RDS OR COMMERICAL ENT. LT & RT
12 - 13	654+37.50	660+21.98	STATE ST	584.48	24	14026.6	125.6				155.9		MILL/FILL
13	660+45.03	668+02.96	STATE ST	757.93	24	18180.9	162.8				202.0		MILL/FILL
							SUBTOTALS	2646.7	58.7	153.8	2233.4	373.3	212.8	
							*TOTALS	2705.4		154	2233	373	213	

*SEE POWELL'S QTY SHEET 13 THRU 16 OF 17 FOR ADDITION QUANTITIES

CURB AND GUTTER

SHEET	STA.	STA.	LOCATION	CURB AND GUTTER TYPE B (LF)	TYPE S CURB (6 IN AND UNDER) (LF)	MOD. S CURB (OVER 6 IN) (LF)	3 FT ROLLBACK CURB & GUTTER (LF)	2 FT C&G TYPE CG-1 (LF)	TYPE 5 AGG BASE (6 IN.) (SY)
4	1780+66.00	1781+03.49	MCPHERSON ST LT			38			
5	1781+60.40	1782+24.15	MCPHERSON ST LT	64					32
5	1782+65.13	1784+50.01	MCPHERSON ST LT	185					92.5
5	1784+96.43	1785+69.77	MCPHERSON ST RT				77		38.5
5	1785+00.76	1785+73.23	MCPHERSON ST LT	72					36
5 - 6	1785+95.23	1787+04.58	MCPHERSON ST LT	109					54.5
6	1787+25.58	1787+52.46	MCPHERSON ST LT	27					13.5
6	1787+70.97	1787+89.89	MCPHERSON ST RT					32	12.4
6	1788+99.81	1789+23.90	MCPHERSON ST LT		24				
6	1789+04.79	1789+19.02	MCPHERSON ST LT				14		7
6	1789+40.92	1789+72.15	MCPHERSON ST LT				33		16.5
7	1794+96.94	1795+60.41	MCPHERSON ST LT		63				
7	1795+00.11	1795+98.81	MCPHERSON ST RT	99					49.5
7	1796+17.48	1797+59.71	MCPHERSON ST RT	142					71
9	1803+02.52	1803+46.39	MCPHERSON ST LT		43				
9	1805+45.99	1805+46.73	MCPHERSON ST LT		11				
10	1808+40.89	1808+75.36	MCPHERSON ST LT	46					23
10	1808+43.25	1808+74.56	MCPHERSON ST LT		32				
			TOTALS	744	173	38	124	32	446.4
			TOTALS	744	173	38	124	32	446

*SEE POWELL'S QTY SHEET 13 THRU 16 OF 17 FOR ADDITION QUANTITIES

SUMMARY OF QUANTITIES
SHEET 2 OF 17

REID BRENNEN CATT NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER MO# PE-2010019516

DATE PREPARED 8/18/2026
ROUTE BU50/J | STATE MO
DISTRICT KC | SHEET NO. 3
COUNTY JOHNSON
JOB NO. J3P3202
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
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH (816) 361-1177
CERTIFICATE OF AUTHORITY NO. 001592

ENTRANCES

SHEET	STA.	STA.	LOCATION	PAVED APPROACH 7 IN. (SY)	PAVED APPROACH 8 IN. (SY)	GRAVEL (A) OR CRUSHED STONE (B) (SY)	TYPE 1 AGG. BASE (4 IN.) (SY)	ADA LINEAR GRADING (LF)
5	1782+24.15	1782+65.13	MCPHERSON ST LT	50.0				41.0
5	1783+08.00	1783+47.46	MCPHERSON ST RT	32.8				39.5
5	1784+44.58	1784+95.32	MCPHERSON ST RT		72.8		73	50.7
5	1784+50.01	1785+00.76	MCPHERSON ST LT		114.3		114	50.8
5	1785+73.23	1785+95.23	MCPHERSON ST LT		56.4		56	22.0
5	1785+87.01	1786+19.53	MCPHERSON ST RT		34.7		35	32.5
5	1786+47.00	1786+79.52	MCPHERSON ST RT		34.8		35	32.5
6	1787+04.58	1787+25.58	MCPHERSON ST LT	25.5				21.0
6	1787+52.46	1787+74.15	MCPHERSON ST LT	25.6				21.7
6	1787+73.46	1788+40.29	MCPHERSON ST LT		105.3		105	66.8
6	1788+33.65	1789+04.79	MCPHERSON ST LT		173.4		173	71.1
6	1789+19.02	1789+40.92	MCPHERSON ST LT		33.9		34	21.9
7	1794+96.94	1795+60.41	MCPHERSON ST LT			29		63.5
7	1795+50.41	1795+82.99	MCPHERSON ST LT	37.0				32.6
7	1795+82.99	1796+10.56	MCPHERSON ST LT	23.5				27.6
7	1795+98.81	1796+17.48	MCPHERSON ST RT	20.4				18.7
7	1796+44.25	1796+70.02	MCPHERSON ST LT	23.2				25.8
7	1796+70.02	1796+95.96	MCPHERSON ST LT	23.2				25.9
8	1797+59.71	1798+09.64	MCPHERSON ST RT		53.9		54	49.9
8	1798+97.00	1799+26.00	MCPHERSON ST LT	24.1				29.0
8	1799+06.64	1799+43.62	MCPHERSON ST RT	49.5				37.0
8	1802+81.55	1803+12.33	MCPHERSON ST LT	33.9				30.8
9	1803+55.53	1804+50.68	MCPHERSON ST RT		202.3		202	95.1
9	1804+14.49	1804+71.33	MCPHERSON ST LT		88.1		88	56.8
9	1805+19.64	1805+61.63	MCPHERSON ST RT	42.8				42.0
9	1805+24.38	1805+66.27	MCPHERSON ST LT	70.9				41.9
9	1806+18.87	1806+59.87	MCPHERSON ST LT	62.5				41.0
9	1806+56.99	1806+92.62	MCPHERSON ST RT	30.4		12		35.6
9	1806+67.19	1806+82.80	MCPHERSON ST RT					15.6
9	1807+29.08	1807+87.27	MCPHERSON ST RT		97.2		97	58.2
9	1807+87.27	1808+07.51	MCPHERSON ST RT	24.5				20.2
10	1809+66.22	1809+97.39	MCPHERSON ST RT	23.4				31.2
10	1810+07.56	1810+17.56	MCPHERSON ST LT			13	13	10.0
10	1810+88.70	1810+98.70	MCPHERSON ST LT			7		10.0
10	1811+08.21	1811+39.27	MCPHERSON ST LT	17.2				31.1
10	1812+72.49	1813+05.00	MCPHERSON ST LT	29.8				32.5
11	1813+63.48	1813+95.52	MCPHERSON ST LT	32.2				32.0
11	1814+40.24	1814+70.24	MCPHERSON ST LT	29.8				30.0
12	656+19.25	656+46.89	STATE ST LT		25.2	7	25	27.6
12	657+13.14	657+38.16	STATE ST RT		27.4		27	25.0
12	657+80.13	658+45.91	STATE ST RT		65.5		66	65.8
12	657+82.23	658+49.07	STATE ST LT		81.2		81	66.8
13	661+14.02	661+50.73	STATE ST RT		31.0		31	36.7
			SUBTOTALS	732.2	1297.4	68	1309	1617.4
			*TOTALS	732.2	1297.4	68	1309	1617

*SEE POWELL'S QTY SHEET 13 THRU 16 OF 17 FOR ADDITION QUANTITIES

CULVERT CLEANOUT

SHEET	STA.	LOCATION	EACH	REMARKS
4	1781+39.49	MCPHERSON ST RT	1	JEFFERSON AVE
5	1783+24.00	MCPHERSON ST RT	1	PARCEL 52 ENT
5	1810+13.54	MCPHERSON ST RT	1	SUNSHINE LN
		TOTAL	3	

COLDMILLING

STATION LOG MILE	STATION LOG MILE	LOCATION	NET LENGTH (FT)	AVG WIDTH (FT)	COLDMILLING BIT. PAVEMENT (3" OR LESS) (SY)	MODIFIED DEPTH TRANSITION (SY)	REMARKS
0.447	0.461	MCPHERSON CL	75	22		183.3	BEGIN PROJECT
0.534		MCPHERSON RT	30	2	6.7		POST OFFICE ENT
0.537	0.553	MCPHERSON RT	85	2	18.9		POST OFFICE CURB & GUTTER
0.556		MCHPERSON RT	40	2	8.9		POST OFFICE ENT
0.570	0.584	MCHPERSON CL	75	22		183.3	MOD. DEPTH TRANS AT BEGIN ADA CONST.
1777+70.00	1814+66.90	MCHPERSON CL	3550	VAR.	10016.3		END ADA CONST. - MILL/FILL
1.284	1.298	MCHPERSON CL	75	22		183.3	MOD. DEPTH TRANS. AT END ADA CONTS.
2.084	2.070	MCHPERSON CL	75	22	183.3		END OVERLAY
2.070	2.079	MCHPERSON CL	50	VAR.		822.2	MOD. DEPTH TRANS. AT END PROJECT - OVERLAY
654+37.50	660+21.98	STATE ST CL	584.5	24	1558.7		BEGIN CONST TO R.R. - MILL/FILL
660+45.03	660+02.96	STATE ST CL	757.9	24	2021.1		R.R. TO BU 50 - MILL/FILL
				SUBTOTALS	13813.9	1372.1	
				*TOTALS	13814	1372	

LOG MILES ARE APPROXIMATE. EXACT LOCATIONS TO BE DETERMINED BY ENGINEER.

*SEE POWELL'S QTY SHEET 13 THRU 16 OF 17 FOR ADDITION QUANTITIES

SUMMARY OF QUANTITIES
SHEET 3 OF 17

REID BRENNEN CATT NUMBER PE-2010019516

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE BU50/J | STATE MO

DISTRICT KC | SHEET NO. 3

COUNTY
JOHNSON

JOB NO.
J3P3202

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
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF AUTHORITY NO. 001592

BUSINESS RTE. 50 (CLASS C PARTIAL DEPTH REPAIRS) QTY FROM MODOT						
NUMBER	END LOG MILE	LENGTH	WIDTH	FURNISHING/PLACING TONS	REMOVALS SY	REMARKS
1	0.481	4.00	24.00	2.37	10.67	SADIE'S SPIRITS
2	0.646	4.00	24.00	2.37	10.67	
3	0.713	4.00	24.00	2.37	10.67	MADISON STREET
4	0.725	4.00	24.00	2.37	10.67	
5	0.737	4.00	24.00	2.37	10.67	
6	0.75	4.00	24.00	2.37	10.67	
7	0.808	4.00	24.00	2.37	10.67	
8	0.854	4.00	24.00	2.37	10.67	
9	0.86	4.00	24.00	2.37	10.67	
10	0.865	4.00	24.00	2.37	10.67	
11	0.884	4.00	24.00	2.37	10.67	
12	0.8956	4.00	24.00	2.37	10.67	
13	0.919	4.00	24.00	2.37	10.67	
14	0.93	4.00	24.00	2.37	10.67	
15	0.945	4.00	24.00	2.37	10.67	
16	0.958	4.00	24.00	2.37	10.67	
17	0.972	4.00	24.00	2.37	10.67	
18	0.982	4.00	24.00	2.37	10.67	
19	1.022	4.00	24.00	2.37	10.67	
20	1.043	4.00	24.00	2.37	10.67	
21	1.08	4.00	24.00	2.37	10.67	
22	1.091	4.00	24.00	2.37	10.67	
23	1.172	4.00	24.00	2.37	10.67	
24	1.228	4.00	24.00	2.37	10.67	
25	1.34	4.00	24.00	2.37	10.67	
26	1.409	4.00	24.00	2.37	10.67	
27	1.438	4.00	24.00	2.37	10.67	
28	1.467	4.00	24.00	2.37	10.67	
29	1.499	4.00	24.00	2.37	10.67	
30	1.508	4.00	24.00	2.37	10.67	
31	1.541	4.00	24.00	2.37	10.67	
32	1.556	4.00	24.00	2.37	10.67	
33	1.605	4.00	24.00	2.37	10.67	
34	1.665	4.00	24.00	2.37	10.67	
35	1.712	4.00	24.00	2.37	10.67	
36	1.826	4.00	24.00	2.37	10.67	
37	1.855	4.00	24.00	2.37	10.67	
38	1.863	4.00	24.00	2.37	10.67	
39	1.899	4.00	24.00	2.37	10.67	
40	1.935	4.00	24.00	2.37	10.67	CEMETERY ENTRANCE
41	2.026	4.00	24.00	2.37	10.67	
42	2.045	4.00	24.00	2.37	10.67	
			TOTALS	99.5	448.1	

RTE. J J3P3202 (FULL DEPTH CONCRETE REPAIRS) QTY FROM MODOT						
NUMBER	END LOG MILE	LENGTH	WIDTH	FURNISHING/PLACING SY	SAWCUTS LF	REMARKS
1	0.1599	6.00	24.00	16.00	60.00	
2	1.022	6.00	24.00	16.00	60.00	SUNSET ST.
3	1.376	6.00	24.00	16.00	60.00	
4	1.469	6.00	24.00	16.00	60.00	
5	1.633	6.00	24.00	16.00	60.00	
6	1.656	6.00	24.00	16.00	60.00	
7	1.673	6.00	24.00	16.00	60.00	
8	1.702	6.00	24.00	16.00	60.00	
9	1.759	6.00	24.00	16.00	60.00	
			TOTALS	144.0	540	

SUMMARY OF QUANTITIES
SHEET 4 OF 17

REID BRENNEN CATT NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE BU50/J | STATE MO
DISTRICT KC | SHEET NO. 3
COUNTY JOHNSON
JOB NO. J3P3202
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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

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

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CERTIFICATE OF
AUTHORITY NO. 001592

SIDEWALK									
SHEET	STA.	STA.	LOCATION	CONCRETE CURB RAMP (SY)	TRUNCATED DOMES (SF)	CONCRETE SIDEWALK, 4" (SY)	CONCRETE SIDEWALK, 8" (SY)	TYPE 1 AGG BASE (4 IN.) (SY)	ADA LINEAR GRADING (LF)
4	1778+28.04	1778+43.37	MCPHERSON ST LT	15.8	19.9			15.8	15
4	1778+36.55	1778+43.55	MCPHERSON ST RT	19.4	16.5			19.4	7
4	1778+37.33	1780+02.16	MCPHERSON ST LT			93		93	165
4	1778+37.55	1778+42.57	MCPHERSON ST RT			5.2		5.2	5
4	1780+30.05	1781+03.49	MCPHERSON ST LT			39.9		39.9	73
4	1781+03.49	1781+31.51	MCPHERSON ST LT	21.7	10.0			21.7	28
4	1781+14.57	1781+19.68	MCPHERSON ST RT			8.5		8.5	5
4	1781+19.68	1781+24.59	MCPHERSON ST RT	4.4	10.0			4.4	5
5	1781+54.55	1781+75.55	MCPHERSON ST RT	16.8	10.0			16.8	21
5	1781+52.90	1782+33.51	MCPHERSON ST LT		10.0	51.5		51.5	81
5	1781+75.54	1783+18.00	MCPHERSON ST RT			80.4		80.4	142
5	1782+55.59	1782+81.13	MCPHERSON ST LT	19.3				19.3	26
5	1782+81.13	1784+60.97	MCPHERSON ST LT		21.9	117.8		117.8	180
5	1783+23.08	1783+33.08	MCPHERSON ST LT			2.2		2.2	10
5	1783+30.00	1784+48.14	MCPHERSON ST RT			70.2		70.2	118
5	1784+32.76	1784+55.01	MCPHERSON ST LT			26.1		26.1	22
5	1784+49.51	1784+55.01	MCPHERSON ST LT	10.7				10.7	6
5	1784+48.14	1784+60.47	MCPHERSON ST RT	9.2	10.0			9.2	12
5	1784+82.77	1785+02.43	MCPHERSON ST RT	17.5	20.0			17.5	20
5	1784+89.29	1785+15.97	MCPHERSON ST LT	19.4	23.2			19.4	27
5	1784+96.43	1785+92.46	MCPHERSON ST RT			61.0		61	96
5	1785+15.97	1785+78.23	MCPHERSON ST LT			30.1		30.1	62
5	1785+47.46	1785+78.23	MCPHERSON ST LT			18.5		18.5	31
5	1785+52.46	1785+57.44	MCPHERSON ST LT			3.9		3.9	5
5	1785+70.06	1785+78.23	MCPHERSON ST LT	6.1				6.1	8
5	1785+90.23	1786+01.90	MCPHERSON ST LT	8.9				8.9	12
5 - 6	1786+01.90	1787+01.55	MCPHERSON ST LT			63.1		63.1	100
5	1786+14.03	1786+52.42	MCPHERSON ST RT			21.3		21.3	38
5 - 6	1786+74.05	1787+69.47	MCPHERSON ST RT			59.4		59.4	95
6	1787+01.55	1787+10.08	MCPHERSON ST LT	6.4				6.4	9
6	1787+20.08	1787+57.96	MCPHERSON ST LT			25.6		25.6	38
6	1787+67.96	1787+88.28	MCPHERSON ST LT	12.4	27.6			12.4	20
6	1787+69.47	1787+89.89	MCPHERSON ST RT	21.7	20.0			21.7	20
6	1787+75.28	1787+82.28	MCPHERSON ST LT			18.5		18.5	7
6	1787+74.93	1787+79.96	MCPHERSON ST RT			5.6		5.6	5
6	1788+21.16	1788+40.29	MCPHERSON ST LT	25.1	29.3			25.1	19
6	1788+28.15	1788+33.13	MCPHERSON ST LT			5.5		5.5	5
6	1788+99.89	1789+23.82	MCPHERSON ST LT			9.5		9.5	24
6	1789+36.02	1789+72.15	MCPHERSON ST LT			16.4		16.4	36
7	1794+96.95	1795+60.41	MCPHERSON ST LT			35.3		35.3	63
7	1795+00.11	1795+91.81	MCPHERSON ST RT			68.8		68.8	92
7	1795+74.41	1795+91.56	MCPHERSON ST LT			9.5		9.5	17
7	1795+91.81	1796+03.81	MCPHERSON ST RT	7.6				7.6	12
7	1796+00.56	1796+54.08	MCPHERSON ST LT			32.0		32	54
7	1796+12.48	1796+25.18	MCPHERSON ST RT	8.1				8.1	13
7	1796+25.18	1797+51.71	MCPHERSON ST RT			96.0		96	127
7	1796+63.08	1796+76.96	MCPHERSON ST LT			7.7		7.7	14
7	1796+85.96	1797+81.19	MCPHERSON ST LT		10.0	55.2		55.2	95
8	1797+51.71	1797+72.68	MCPHERSON ST RT	14.3	26.0			14.3	21
8	1797+99.59	1799+07.00	MCPHERSON ST LT		20.0	85.3		85.3	107
8	1798+05.82	1798+25.18	MCPHERSON ST RT	19.4	20.0			19.4	19
8	1798+19.25	1799+16.64	MCPHERSON ST RT			61.4		61.4	97
8	1799+16.00	1801+12.57	MCPHERSON ST LT		10.0	112.5		112.5	197
8	1799+33.64	1800+93.64	MCPHERSON ST RT			81.6		81.6	160
8	1800+87.43	1800+94.43	MCPHERSON ST LT		10.0	6.0		6	7
8	1800+87.43	1801+12.03	MCPHERSON ST RT	33.6	20.0			33.6	25
8	1801+34.49	1801+48.25	MCPHERSON ST RT	10.4	10.0			10.4	14
8	1801+36.86	1802+91.75	MCPHERSON ST LT		10.0	92.3		92.3	155
8 - 9	1801+48.25	1803+78.17	MCPHERSON ST RT			142.2		142.2	230
9	1803+02.39	1803+17.31	MCPHERSON ST LT	7.8				7.8	15
9	1803+17.31	1804+37.29	MCPHERSON ST LT		10.0	64.7		64.7	120
9	1803+78.17	1803+90.38	MCPHERSON ST RT	7	16.5			7	12
9	1804+29.45	1804+52.55	MCPHERSON ST RT	17.1	10.0			17.1	23
9	1804+52.56	1805+30.09	MCPHERSON ST RT			39.5		39.5	78
9	1804+54.93	1804+70.56	MCPHERSON ST LT	12.4	10.0			12.4	16
9	1804+70.56	1805+34.13	MCPHERSON ST LT			37.9		37.9	64
9	1804+94.06	1804+98.57	MCPHERSON ST LT			2.2			5
			SUBTOTALS 1	372.5	410.9	1863.3	0.0	2234	3450

SUMMARY OF QUANTITIES
SHEET 5 OF 17

REID BRENNEN CATT NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE BU50/J | STATE MO
DISTRICT KC | SHEET NO. 3
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ROCK LINING

SHEET NO.	STA.	STA.	LOCATION	LENGTH (FT)	WIDTH (FT)	DEPTH (FT)	ROCK LINING (CY)
93	1778+47.83	1778+55.09	MCPHERSON ST LT	*	*	1	1
94	1780+90.62	1781+00.63	MCPHERSON ST LT	10	4	1	1
96	1784+92.16	1784+97.20	MCPHERSON ST RT	10	4	1	1
97	1788+21.22	1788+25.23	MCPHERSON ST LT	10	4	1	1
100	1798+92.01	1799+02.20	MCPHERSON ST RT	10	4	1	1
101	1801+41.08	1801+47.71	MCPHERSON ST RT	12	4	1	2
101	1804+25.92	1804+34.99	MCPHERSON ST RT	10	4	1	1
						TOTAL	8

*SEE POWELL'S QTY SHEET 13 THRU 16 OF 17 FOR ADDITION QUANTITIES

SIDEWALK

SHEET	STA.	STA.	LOCATION	CONCRETE CURB RAMP (SY)	TRUNCATED DOMES (SF)	CONCRETE SIDEWALK, 4" (SY)	CONCRETE SIDEWALK, 8" (SY)	TYPE 1 AGG BASE (4 IN.) (SY)	ADA LINEAR GRADING (LF)
9	1805+51.88	1806+67.19	MCPHERSON ST RT			64.1		64.1	115
9	1806+38.46	1806+43.45	MCPHERSON ST RT			2.8		2.8	5
9	1805+56.52	1806+28.87	MCPHERSON ST LT			40.2		40.2	72
9	1806+49.97	1808+01.88	MCPHERSON ST LT			87.2		87.2	152
9	1806+94.40	1806+99.40	MCPHERSON ST LT			2.8		2.8	5
9	1806+82.80	1807+47.19	MCPHERSON ST RT		10.0	35.2		35.2	64
9	1807+74.30	1807+90.17	MCPHERSON ST RT		10.0	8.2		8.2	16
9 - 10	1807+97.56	1809+76.22	MCPHERSON ST RT			102.0		102	179
9	1808+01.88	1808+17.27	MCPHERSON ST LT	11.2	10.0			11.2	15
10	1808+40.98	1808+56.99	MCPHERSON ST LT	10.1	10.0			10.1	16
10	1808+56.99	1808+75.28	MCPHERSON ST LT			10.7		10.7	18
10	1808+75.28	1811+47.41	MCPHERSON ST LT				241.9	241.9	272
10	1808+82.68	1808+85.66	MCPHERSON ST LT			2.0		2	3
10	1808+82.68	1808+85.66	MCPHERSON ST LT			1.7		1.7	3
10	1809+87.40	1810+02.83	MCPHERSON ST RT		10.0	6.8		6.8	15
10	1810+20.76	1810+24.84	MCPHERSON ST LT			5.4		5.4	4
10	1811+39.27	1812+82.49	MCPHERSON ST LT			85.7		85.7	143
10	1812+95.02	1813+73.44	MCPHERSON ST LT			45.2		45.2	78
11	1813+85.48	1814+50.24	MCPHERSON ST LT			35.9		35.9	65
11	1814+38.91	1815+17.34	MCPHERSON ST RT			43.5		43.5	78
12	656+13.53	656+25.77	STATE ST LT	8.7				8.7	12
12	656+40.90	657+18.43	STATE ST RT			51.7		51.7	78
12	656+40.14	657+90.61	STATE ST LT			111.1		111.1	150
12	657+32.76	657+99.08	STATE ST RT		10	43.3		43.3	66
12	657+89.91	657+98.71	STATE ST LT	4.6	10.3			4.6	9
12	658+30.55	658+41.99	STATE ST LT	6.2	10			6.2	11
12 - 13	658+27.28	659+69.35	STATE ST RT		9.7	77.8		77.8	142
13	661+09.68	661+17.00	STATE ST RT		8.0	2.9		2.9	7
13	661+48.17	662+23.46	STATE ST RT		8.0	48.6		48.6	75
			SUBTOTALS 2	40.8	106.0	914.8	241.9	1198	1868
			SUBTOTALS 1	372.5	410.9	1863.3	0	2234	3450
			*TOTALS	413.3	517	2778.1	241.9	3432	5318

*SEE POWELL'S QTY SHEET 13 THRU 16 OF 17 FOR ADDITION QUANTITIES

SUMMARY OF QUANTITIES
SHEET 6 OF 17

REID BRENNEN CATT NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED 8/18/2026
ROUTE BU50/J | STATE MO
DISTRICT KC | SHEET NO. 3
COUNTY JOHNSON
JOB NO. J3P3202
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CERTIFICATE OF AUTHORITY NO. 001592

DRAINAGE STRUCTURES

STRUCTURE NO.	SHEET NO.	LOCATION	STA.	OFFSET	PRECAST DROP INLETS						48" MANHOLE (LF)	TYPE 1-B MANHOLE FRAME & COVER (EA)	TYPE 2 MANHOLE FRAME & COVER (EA)	TYPE 3 MANHOLE FRAME & COVER (EA)	GRATE & BEARING PLATES		CL. 3 EXC. (CY)
					MODIFIED TYPE D INLET 4FT X 2FT (EA)	SPECIAL GRATE INLET 2.5FT X 2FT (EA)	TYPE E INLET 3FT X 3FT (LF)	TYPE S-1 INLET 3FT X 3FT (LF)	TYPE S-1 INLET 3FT X 2FT (LF)	TRENCH DRAIN INLET 1FT X 20FT (EA)					3FT X 2FT (EA)	3FT X 3 FT (EA)	
1778S1	93	MCPHERSON ST LT	1778+32.95	33.54				2.25							1		7
1781MH1	93 - 94	MCPHERSON ST LT	1781+23.34	18.00							3.56		1				7
1781A1	94	MCPHERSON ST LT	1781+72.29	13.40	1												11
1782A1	95	MCPHERSON ST LT	1782+83.73	13.50	1												17
1784A1	95	MCPHERSON ST LT	1784+39.24	13.40	1												20
1785CI1	96	MCPHERSON ST RT	1785+20.58	24.00		1											4
1788MH1	96	MCPHERSON ST LT	1788+24.41	13.26							6.82	1					18
1789CI1	96	MCPHERSON ST LT	1789+11.93	14.00		1											7
1788MH2	97	MCPHERSON ST LT	1788+24.10	34.00							6.21	1					16
1778TD1	97	MCPHERSON ST LT	1788+59.54	34.00						1							82
1788TD2	97	MCPHERSON ST LT	1788+84.54	34.00						1							81
1795S1	98	MCPHERSON ST LT	1795+82.63	18.00				3.17								1	10
1795A1	98	MCPHERSON ST RT	1795+71.77	22.50	1												7
1798S1	98	MCPHERSON ST LT	1798+29.11	18.75				3.81								1	11
1798S2	98	MCPHERSON ST LT	1798+29.61	34.16					3.08						1		7
1798S3	98	MCPHERSON ST RT	1798+33.84	17.18					2.33						1		6
1796S1	99	MCPHERSON ST LT	1796+28.30	17.51				2.93								1	10
1796S2	99	MCPHERSON ST LT	1796+97.27	17.52				2.58								1	10
1799S1	100	MCPHERSON ST LT	1799+27.45	18.98					5.34						1		11
1799E1	100	MCPHERSON ST RT	1799+42.07	17.22			3.19							1			5
1801S2	101	MCPHERSON ST LT	1801+49.34	19.05					2.33						1		6
1801E1	101	MCPHERSON ST RT	1801+49.24	19.41			2.95							1			5
1804S1	101	MCPHERSON ST RT	1804+40.56	23.96					1.87						1		4
				SUBTOTALS	4	2	6.14	14.74	14.95	2	16.59	2	1	2	6	4	362
				*TOTALS	4	2	21		15	2	17	2	1	2	6	4	362

*SEE POWELL'S QTY SHEET 13 THRU 16 OF 17 FOR ADDITION QUANTITIES

PIPE CULVERTS

FROM STRUCTURE	STA.	LOCATION	TO STRUCTURE	STA.	LOCATION	SHEET NO.	PIPE COLLAR TYPE A (EA)	GROUP A PIPE		GROUP B PIPE			GROUP B F.E.S.			CL. 3 EXC. (CY)
								12 IN. (LF)	15 IN. (LF)	12 IN. (LF)	15 IN. (LF)	18 IN. (LF)	12IN. (EA)	15 IN. (EA)	18 IN. (EA)	
1778S1	1778+32.95	MCPHERSON ST LT	1778F1	1778+49.17	MCPHERSON ST LT	93					15			1		7
1779F1	1779+47.66	MCPHERSON ST LT	EXIST. INLET		MCPHERSON ST LT	93					21			1		9
1781F2	1781+23.67	MCPHERSON ST LT	1781MH1	1781+23.34	MCPHERSON ST LT	93					16			1		3
1781F1	1781+00.62	MCPHERSON ST LT	1781MH1	1781+23.34	MCPHERSON ST LT	94					19			1		3
1781MH1	1781+23.34	MCPHERSON ST LT	1781D1	1781+72.29	MCPHERSON ST LT	94			45							24
1781D1	1781+72.29	MCPHERSON ST LT	1782D1	1782+83.73	MCPHERSON ST LT	94 - 95			107							66
1782D1	1782+83.73	MCPHERSON ST LT	1784D1	1784+39.25	MCPHERSON ST LT	95			152							113
1784F1	1784+95.71	MCPHERSON ST RT	1785D1	1785+20.33	MCPHERSON ST RT	96				26			1			9
1788MH1	1788+24.41	MCPHERSON ST LT	1789D1	1789+12.18	MCPHERSON ST LT	96		84								58
1788MH2	1788+24.10	MCPHERSON ST LT	1788TD1	1788+59.54	MCPHERSON ST LT	97				23						9
1788TD1	1788+59.54	MCPHERSON ST LT	1788TD2	1788+84.54	MCPHERSON ST LT	97				5						0
1788F1	1788+23.24	MCPHERSON ST LT	1788MH2	1788+24.10	MCPHERSON ST LT	97					53			1		44
1788MH2	1788+24.10	MCPHERSON ST LT	1788MH1	1788+24.41	MCPHERSON ST LT	97				17						12
1795S1	1795+82.63	MCPHERSON ST LT	1795D1	1795+71.77	MCPHERSON ST RT	98			39							22
1795D1	1795+71.77	MCPHERSON ST RT	1795PC1	1795+72.7	MCPHERSON ST RT	98	1				20					10
1798S2	1798+29.61	MCPHERSON ST LT	1798S1	1798+29.11	MCPHERSON ST LT	98					13					5
1798S1	1798+29.11	MCPHERSON ST LT	1798S3	1798+33.84	MCPHERSON ST RT	98			34							22
1795S1	1795+82.63	MCPHERSON ST LT	1796S1	1796+28.3	MCPHERSON ST LT	99					43					20
1796S1	1796+28.3	MCPHERSON ST LT	1796S2	1796+97.27	MCPHERSON ST LT	99					66					31
1796S2	1796+97.27	MCPHERSON ST LT	1798S1	1798+29.11	MCPHERSON ST LT	99 -100					129					65
1798S1	1798+29.11	MCPHERSON ST LT	1799S1	1799+27.49	MCPHERSON ST LT	100					95					72
1799F1	1799+02.10	MCPHERSON ST RT	1799E1	1799+42.07	MCPHERSON ST RT	100					36					8
1801F1	1801+45.77	MCPHERSON ST RT	1801E1	1801+49.24	MCPHERSON ST RT	101						13			1	2
1804S1	1804+40.56	MCPHERSON ST RT	1804F1	1804+32.91	MCPHERSON ST RT	101				11			1			4
						*TOTALS	1	84	377	82	526	13	2	5	1	618

*SEE POWELL'S QTY SHEET 13 THRU 16 OF 17 FOR ADDITION QUANTITIES

SUMMARY OF QUANTITIES
SHEET 7 OF 17

REID BRENNEN CATT NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER MO# PE-2010019516
DATE PREPARED 8/18/2026
ROUTE BU50/J | STATE MO
DISTRICT KC | SHEET NO. 3
COUNTY JOHNSON
JOB NO. J3P3202
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
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH (816) 361-1177
CERTIFICATE OF AUTHORITY NO. 001592

PAVEMENT MARKING

SHEET	STA.	STA.	LOCATION	CLASS 1 PAVEMENT MARKING PAINT 18-MIL. TYPE P BEADS			PREFORMED THERMOPLASTIC		REMARKS
				4" SOLID WHITE (LF)	4" SOLID YELLOW (LF)	4" INTERMITTENT YELLOW (LF)	24" WHITE (LF)	RAILROAD CROSSING (EA)	
	LOG MILE 0.447	LOG MILE 0.584	MCPHERSON			181			INTERMITTENT
85 - 87	1777+70.00	1789+95.00	MCPHERSON			306			INTERMITTENT
85	1778+39.00		MCPHERSON				36		CROSSWALK
85	1784+99.00		MCPHERSON				30		CROSSWALK
85	1787+76.00		MCPHERSON				36		CROSSWALK
86	1789+95.00	1790+98.00	MCPHERSON		206				DBL YELLOW
86	1790+98		MCPHERSON				32		STOPBAR
86	1791+06.00		MCPHERSON				54		CROSSWALK
86	1791+61		MCPHERSON				54		CROSSWALK
86	1791+74.00		MCPHERSON				32		STOPBAR
86	1791+74.00	1793+41.00	MCPHERSON		334				DBL YELLOW
86 - 88	1793+41.00	1814+57.00	MCPHERSON			529			INTERMITTENT
	LOG MILE 1.347	LOG MILE 2.079	MCPHERSON			966			INTERMITTENT
89	654+38.00	660+04.00	STATE ST		1132				DBL YELLOW
89	656+37.00		STATE ST					1	RAILROAD SIGN
89	660+04.00		STATE ST				47		STOPBAR
89	660+64.00		STATE ST				43		STOPBAR
89	660+64.00	661+68.00	STATE ST		208				DBL YELLOW
89 - 90	661+68.00	667+11.00	STATE ST		543	136			INTERM/SOLID YELLOW
89	663+94.00		STATE ST					1	RAILROAD SIGN
90	667+11.00	667+82.00	STATE ST		142				DBL YELLOW
90	667+82.00		STATE ST				32		STOPBAR
90	667+88		STATE ST				54		CROSSWALK
90	668+42.00		STATE ST				54		CROSSWALK
90	668+49.00		STATE ST				32		STOPBAR
90	668+49.00	669+90.00	STATE ST		282				DBL YELLOW
90 - 91	669+90.00	680+92.00	STATE ST			276			INTERMITTENT
90	672+01.00		STATE ST				30		CROSSWALK
	LOG MILE 0.518	LOG MILE 0.640	STATE ST			161			INTERMITTENT
	LOG MILE 0.540	LOG MILE 1.759	STATE ST	12873					EDGE LINE LT & RT
	LOG MILE 0.640	LOG MILE 0.800	STATE ST		845	211			INTERM/SOLID YELLOW
	LOG MILE 0.800	LOG MILE 0.865	STATE ST		686				DBL YELLOW
	LOG MILE 0.865	LOG MILE 1.039	STATE ST		919	230			INTERM/SOLID YELLOW
	LOG MILE 1.039	LOG MILE 1.179	STATE ST			185			INTERMITTENT
	LOG MILE 1.179	LOG MILE 1.319	STATE ST		739	185			INTERM/SOLID YELLOW
	LOG MILE 1.319	LOG MILE 1.339	STATE ST		211				DBL YELLOW
	LOG MILE 1.339	LOG MILE 1.502	STATE ST		861	215			INTERM/SOLID YELLOW
	LOG MILE 1.502	LOG MILE 1.659	STATE ST			207			INTERMITTENT
	LOG MILE 1.659	LOG MILE 1.759	STATE ST		528	132			INTERM/SOLID YELLOW
			SUBTOTALS	12873	7636	3920	566	2	
			TOTALS	12873	11556		566	2	

SUMMARY OF QUANTITIES
SHEET 8 OF 17

REID BRENNEN CATT NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE BU50/J | STATE MO

DISTRICT KC | SHEET NO. 3

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olsson
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592

EROSION CONTROL

SHEET	STA.	STA.	LOCATION	PHASE	SEDIMENT TRAP		ALTERNATE DITCH CHECK	CURB INLET CHECK	SILT FENCE	SOD	SEDIMENT REMOVAL
					EXCAVATION (CY)	ROCK (CY)	(LF)	(EA)	(LF)	(SY)	(CY)
76	1779+65.27		MCPHERSON ST RT	INITIAL	5	5					1
76	1781+23.29		MCPHERSON ST LT	INITIAL	5	5					1
76	1784+93.98		MCPHERSON ST RT	INITIAL	5	5					1
76	1788+22.94		MCPHERSON ST LT	INITIAL	5	5					1
76	1801+44.11		MCPHERSON ST RT	INITIAL	5	5					1
77	1804+24.89		MCPHERSON ST RT	INITIAL	5	5					1
78	681+00.21		STATE ST RT	INITIAL	5	5					1
79	1778+74.83	1779+50.00	MCPHERSON ST LT	CONSTRUCTION			27				3
78	1781+72.29		MCPHERSON ST LT	CONSTRUCTION				1			1
78	1782+83.73		MCPHERSON ST LT	CONSTRUCTION				1			1
78	1784+39.25		MCPHERSON ST LT	CONSTRUCTION				1			1
78	1784+47.80	1784+61.85	MCPHERSON ST RT	CONSTRUCTION					17		1
78	1784+82.57	1785+03.03	MCPHERSON ST RT	CONSTRUCTION					23		1
78	1785+20.34		MCPHERSON ST RT	CONSTRUCTION				1			1
78	1787+79.90	1787+91.95	MCPHERSON ST LT	CONSTRUCTION					13		1
78	1788+14.64	1788+21.22	MCPHERSON ST LT	CONSTRUCTION					7		1
79	657+90.61	657+99.70	STATE ST LT	CONSTRUCTION					9		1
79	1789+12.18		MCPHERSON ST LT	CONSTRUCTION				1			1
79	1795+71.77		MCPHERSON ST RT	CONSTRUCTION				1			1
79	1796+28.72		MCPHERSON ST LT	CONSTRUCTION			9				1
79	1797+02.73	1797+50.00	MCPHERSON ST LT	CONSTRUCTION			18				2
79	1798+29.11	1798+95.00	MCPHERSON ST LT	CONSTRUCTION			27				3
79	1798+34.23		MCPHERSON ST RT	CONSTRUCTION			9				1
79	1798+44.11	1798+76.11	MCPHERSON ST RT	CONSTRUCTION			18				2
79	1799+27.50	1800+85.98	MCPHERSON ST LT	CONSTRUCTION			45				5
79	1799+43.66		MCPHERSON ST RT	CONSTRUCTION			9				1
79	1799+74.23	1800+29.23	MCPHERSON ST RT	CONSTRUCTION			18				2
79	1801+49.47	1802+81.34	MCPHERSON ST LT	CONSTRUCTION			27				3
80	1804+40.56	1805+09.72	MCPHERSON ST RT	CONSTRUCTION			45				5
80	1808+40.83	1808+82.68	MCPHERSON ST LT	CONSTRUCTION					44		1
80	1808+85.64	1810+07.56	MCPHERSON ST LT	CONSTRUCTION					130		2
80	1810+24.72	1810+88.73	MCPHERSON ST LT	CONSTRUCTION					68		1
80	1810+24.72	1810+88.73	MCPHERSON ST LT	CONSTRUCTION					140		2
81	674+28.77		STATE ST RT	CONSTRUCTION			9				1
81	674+92.71		STATE ST RT	CONSTRUCTION				1			1
81	674+98.64		STATE ST RT	CONSTRUCTION				1			1
82	1778+27.73	1778+71.73	MCPHERSON ST LT	FINAL						35	
82	1778+29.21	1778+36.87	MCPHERSON ST LT	FINAL						8	
82	1778+34.27	1778+37.58	MCPHERSON ST RT	FINAL						9	
82	1778+41.34	1778+57.71	MCPHERSON ST RT	FINAL						59	
82	1778+42.87	1779+98.94	MCPHERSON ST LT	FINAL						187	
82	1778+75.73	1780+02.53	MCPHERSON ST LT	FINAL						85	
82	1780+29.87	1781+31.49	MCPHERSON ST LT	FINAL						68	
82	1780+33.57	1781+31.22	MCPHERSON ST LT	FINAL						41	
82	1781+09.80	1781+24.47	MCPHERSON ST RT	FINAL						23	
82	1781+19.64	1781+24.61	MCPHERSON ST RT	FINAL						10	
82	1781+52.08	1782+34.15	MCPHERSON ST LT	FINAL						77	
82	1781+53.81	1781+73.30	MCPHERSON ST LT	FINAL						12	
82	1781+54.56	1781+91.60	MCPHERSON ST RT	FINAL						18	
82	1781+54.78	1783+18.00	MCPHERSON ST RT	FINAL						35	
82	1781+94.51	1783+18.00	MCPHERSON ST RT	FINAL						82	
82	1782+55.13	1783+28.08	MCPHERSON ST LT	FINAL						80	
82	1783+30.00	1784+59.09	MCPHERSON ST RT	FINAL						42	
82	1783+30.00	1784+16.38	MCPHERSON ST RT	FINAL						58	
82	1783+33.08	1783+54.08	MCPHERSON ST LT	FINAL						23	
82	1784+21.75	1784+44.18	MCPHERSON ST RT	FINAL						15	
82	1784+32.97	1784+44.51	MCPHERSON ST LT	FINAL						11	
82	1784+48.14	1784+61.77	MCPHERSON ST RT	FINAL						6	
82	1784+48.40	1784+61.98	MCPHERSON ST LT	FINAL						54	
82	1784+82.63	1785+27.17	MCPHERSON ST RT	FINAL						67	
82	1784+83.78	1784+95.93	MCPHERSON ST RT	FINAL						9	
82	1784+88.10	1785+52.44	MCPHERSON ST LT	FINAL						140	
82	1785+01.43	1785+77.56	MCPHERSON ST LT	FINAL						16	
82	1785+01.93	1785+19.33	MCPHERSON ST RT	FINAL						10	
82	1785+32.17	1785+48.70	MCPHERSON ST RT	FINAL						13	
				SUBTOTALS 1	35	35	261	8	451	1293	55

SUMMARY OF QUANTITIES

REID BRENNEN CATT NUMBER PE-2010019516

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE BU50/J | STATE MO

DISTRICT KC | SHEET NO. 3

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

olsson
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592

EROSION CONTROL

SHEET	STA.	STA.	LOCATION	PHASE	SEDIMENT TRAP		ALTERNATE DITCH CHECK	CURB INLET CHECK	SILT FENCE	SOD	SEDIMENT REMOVAL
					EXCAVATION (CY)	ROCK (CY)	(LF)	(EA)	(LF)	(SY)	(CY)
82	1785+47.46	1785+78.23	MCPHERSON ST LT	FINAL						11	
82	1785+54.44	1785+77.56	MCPHERSON ST LT	FINAL						39	
82	1785+52.67	1785+92.04	MCPHERSON ST RT	FINAL						28	
82	1785+54.10	1785+91.98	MCPHERSON ST RT	FINAL						13	
82	1785+90.23	1786+96.55	MCPHERSON ST LT	FINAL						216	
82	1785+91.23	1787+08.83	MCPHERSON ST LT	FINAL						25	
82	1786+14.48	1786+51.93	MCPHERSON ST RT	FINAL						16	
82	1786+74.54	1787+72.97	MCPHERSON ST RT	FINAL						45	
82	1787+01.55	1787+10.08	MCPHERSON ST LT	FINAL						17	
82	1787+20.08	1787+39.30	MCPHERSON ST LT	FINAL						18	
82	1787+21.34	1787+56.70	MCPHERSON ST LT	FINAL						5	
82	1787+39.30	1787+57.96	MCPHERSON ST LT	FINAL						13	
82	1787+67.96	1787+75.28	MCPHERSON ST LT	FINAL						17	
82	1787+78.96	1787+88.32	MCPHERSON ST RT	FINAL						4	
82	1787+79.83	1787+91.58	MCPHERSON ST LT	FINAL						30	
82	1787+79.95	1787+89.89	MCPHERSON ST RT	FINAL						11	
82	1788+15.51	1788+27.68	MCPHERSON ST LT	FINAL						90	
82	1789+35.92	1789+71.43	MCPHERSON ST LT	FINAL						19	
82	1795+00.11	1795+06.74	MCPHERSON ST RT	FINAL						3	
82	1795+20.78	1796+03.81	MCPHERSON ST RT	FINAL						83	
82	1795+74.41	1795+91.56	MCPHERSON ST LT	FINAL						19	
82	1795+75.01	1795+91.39	MCPHERSON ST LT	FINAL						18	
82	1796+00.56	1796+27.41	MCPHERSON ST LT	FINAL						29	
82	1796+00.56	1796+53.78	MCPHERSON ST LT	FINAL						64	
82	1796+12.48	1796+29.66	MCPHERSON ST RT	FINAL						19	
82	1796+31.41	1796+54.08	MCPHERSON ST LT	FINAL						25	
82	1796+33.58	1796+85.35	MCPHERSON ST RT	FINAL						54	
82	1796+63.08	1796+76.96	MCPHERSON ST LT	FINAL						16	
82	1796+63.41	1796+76.96	MCPHERSON ST LT	FINAL						13	
82	1796+85.96	1797+48.35	MCPHERSON ST LT	FINAL						72	
82	1796+85.96	1797+79.17	MCPHERSON ST LT	FINAL						108	
82	1796+91.53	1797+20.00	MCPHERSON ST RT	FINAL						20	
82	1797+30.91	1797+65.36	MCPHERSON ST RT	FINAL						55	
82	1797+54.43	1797+81.84	MCPHERSON ST LT	FINAL						30	
82	1797+98.88	1798+07.18	MCPHERSON ST LT	FINAL						30	
82	1798+01.72	1798+19.18	MCPHERSON ST LT	FINAL						14	
82	1798+05.54	1798+19.25	MCPHERSON ST RT	FINAL						5	
82	1798+07.77	1798+18.68	MCPHERSON ST RT	FINAL						10	
82	1798+13.10	1798+69.52	MCPHERSON ST LT	FINAL						79	
82	1798+24.24	1799+16.64	MCPHERSON ST RT	FINAL						116	
82	1798+24.18	1799+07.00	MCPHERSON ST LT	FINAL						97	
82	1798+24.68	1799+16.64	MCPHERSON ST RT	FINAL						146	
82	1798+73.82	1799+07.00	MCPHERSON ST LT	FINAL						37	
82	1799+16.00	1800+40.65	MCPHERSON ST LT	FINAL						139	
82	1799+16.00	1800+87.93	MCPHERSON ST LT	FINAL						201	
82	1799+33.64	1800+87.93	MCPHERSON ST RT	FINAL						249	
82	1799+33.64	1801+13.98	MCPHERSON ST RT	FINAL						112	
82	1800+45.77	1801.13.00	MCPHERSON ST LT	FINAL						73	
82	1800+93.93	1801+09.96	MCPHERSON ST RT	FINAL						15	
82	1800+93.93	1801+10.78	MCPHERSON ST LT	FINAL						14	
82	1801+34.40	1801+94.62	MCPHERSON ST RT	FINAL						54	
82	1801+35.32	1803+82.40	MCPHERSON ST RT	FINAL						373	
82	1801+36.37	1801+77.12	MCPHERSON ST LT	FINAL						27	
82	1801+38.71	1802+91.00	MCPHERSON ST LT	FINAL						164	
82	1801+82.12	1802+52.71	MCPHERSON ST LT	FINAL						66	
82	1801+99.04	1802+69.34	MCPHERSON ST RT	FINAL						48	
82	1802+58.18	1802+93.13	MCPHERSON ST LT	FINAL						53	
82	1802+72.12	1803+51.06	MCPHERSON ST RT	FINAL						90	
82	1803+04.01	1803+28.54	MCPHERSON ST LT	FINAL						29	
82 - 83	1803+33.81	1804+42.27	MCPHERSON ST LT	FINAL						73	
82 - 83	1803+48.38	1804+34.63	MCPHERSON ST LT	FINAL						26	
82 - 83	1803+54.58	1804+02.70	MCPHERSON ST RT	FINAL						106	
83	1804+19.17	1805+30.20	MCPHERSON ST RT	FINAL						89	
83	1804+29.26	1805+29.95	MCPHERSON ST RT	FINAL						124	
83	1804+56.28	1804+93.83	MCPHERSON ST LT	FINAL						71	
83	1804+57.16	1805+34.12	MCPHERSON ST LT	FINAL						27	
				SUBTOTALS 2	0	0	0	0	0	4002	0

SUMMARY OF QUANTITIES
SHEET 10 OF 17

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

REID BRENNEN CATT NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

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EROSION CONTROL

SHEET	STA.	STA.	LOCATION	PHASE	SEDIMENT TRAP		ALTERNATE DITCH CHECK	CURB INLET CHECK	SILT FENCE	SOD	SEDIMENT REMOVAL
					EXCAVATION (CY)	ROCK (CY)	(LF)	(EA)	(LF)	(SY)	(CY)
83	1804+98.36	1805+34.15	MCPHERSON ST LT	FINAL						56	
83	1805+51.84	1806+67.09	MCPHERSON ST RT	FINAL						46	
83	1805+51.87	1806+38.46	MCPHERSON ST RT	FINAL						80	
83	1805+56.52	1806+28.87	MCPHERSON ST LT	FINAL						31	
83	1805+56.52	1806+31.02	MCPHERSON ST LT	FINAL						106	
83	1806+43.45	1806+67.19	MCPHERSON ST RT	FINAL						27	
83	1806+47.03	1806+94.40	MCPHERSON ST LT	FINAL						61	
83	1806+49.97	1808+15.14	MCPHERSON ST LT	FINAL						48	
83	1806+82.80	1807+48.62	MCPHERSON ST RT	FINAL						76	
83	1806+82.85	1807+44.69	MCPHERSON ST RT	FINAL						33	
83	1806+99.40	1807+67.23	MCPHERSON ST LT	FINAL						90	
83	1807+72.23	1808+17.39	MCPHERSON ST LT	FINAL						55	
83	1807+73.63	1807+90.17	MCPHERSON ST RT	FINAL						28	
83	1807+76.89	1807+89.92	MCPHERSON ST RT	FINAL						6	
83	1807+97.56	1809+28.49	MCPHERSON ST RT	FINAL						95	
83	1807+97.80	1809+76.01	MCPHERSON ST RT	FINAL						42	
83	1808+41.39	1808+82.68	MCPHERSON ST LT	FINAL						53	
83	1808+44.24	1808+73.26	MCPHERSON ST LT	FINAL						11	
83	1808+85.66	1810+07.56	MCPHERSON ST LT	FINAL						217	
83	1809+33.49	1809+76.22	MCPHERSON ST RT	FINAL						29	
83	1809+87.40	1810+02.40	MCPHERSON ST RT	FINAL						11	
83	1809+87.71	1809+97.76	MCPHERSON ST RT	FINAL						2	
83	1810+17.56	1810+20.76	MCPHERSON ST LT	FINAL						6	
83	1810+24.84	1810+88.70	MCPHERSON ST LT	FINAL						112	
83	1810+98.70	1811+08.21	MCPHERSON ST LT	FINAL						13	
83	1811+47.41	1812+82.17	MCPHERSON ST LT	FINAL						31	
83	1812+95.02	1813+36.51	MCPHERSON ST LT	FINAL						53	
83	1812+95.34	1813+73.16	MCPHERSON ST LT	FINAL						29	
83	1813+39.52	1813+73.34	MCPHERSON ST LT	FINAL						43	
83	1813+85.38	1814+50.24	MCPHERSON ST LT	FINAL						83	
83	1813+85.83	1814+49.92	MCPHERSON ST LT	FINAL						17	
83	1814+60.24	1814+70.24	MCPHERSON ST LT	FINAL						8	
83	656+18.99	656+25.77	STATE ST LT	FINAL						3	
83	656+36.86	657+52.78	STATE ST LT	FINAL						169	
83	656+40.86	657+17.93	STATE ST RT	FINAL						47	
83	656+41.23	657+95.99	STATE ST LT	FINAL						54	
83	657+33.26	657+94.29	STATE ST RT	FINAL						33	
83	657+57.59	657+85.37	STATE ST LT	FINAL						48	
83	657+89.92	657+99.83	STATE ST LT	FINAL						10	
83	658+27.23	659+65.00	STATE ST RT	FINAL						26	
83	658+30.27	658+42.00	STATE ST LT	FINAL						4	
83	658+32.23	659+69.33	STATE ST RT	FINAL						70	
83	658+33.52	658+43.07	STATE ST LT	FINAL						6	
83	661+49.94	662+13.38	STATE ST RT	FINAL						18	
83	661+97.15	662+23.46	STATE ST RT	FINAL						22	
84	669+19.89	669+49.67	STATE ST RT	FINAL						32	
84	669+69.79	669+84.92	STATE ST RT	FINAL						14	
84	669+97.47	670+19.35	STATE ST RT	FINAL						21	
84	669+98.22	670+55.77	STATE ST RT	FINAL						40	
84	670+22.85	670+56.56	STATE ST RT	FINAL						40	
84	670+67.56	671+09.68	STATE ST RT	FINAL						43	
84	670+68.35	671+59.54	STATE ST RT	FINAL						62	
84	671+14.36	671+63.47	STATE ST RT	FINAL						40	
84	671+23.58	671+58.92	STATE ST LT	FINAL						29	
84	671+23.60	671+44.97	STATE ST LT	FINAL						24	
84	671+49.81	671+63.47	STATE ST LT	FINAL						33	
84	671+87.19	672+00.16	STATE ST RT	FINAL						10	
84	671+88.00	671+98.57	STATE ST LT	FINAL						24	
84	671+89.98	671+97.57	STATE ST RT	FINAL						4	
84	672+03.15	672+46.76	STATE ST LT	FINAL						69	
84	672+03.57	673+40.85	STATE ST RT	FINAL						36	
84	672+03.70	672+44.78	STATE ST RT	FINAL						49	
84	672+04.07	672+28.00	STATE ST LT	FINAL						17	
84	672+48.78	673+07.62	STATE ST RT	FINAL						78	
84	672+50.33	673+21.59	STATE ST LT	FINAL						90	
84	673+11.62	673+43.62	STATE ST RT	FINAL						42	
				SUBTOTALS 3	0	0	0	0	0	2905	0

SUMMARY OF QUANTITIES
SHEET 11 OF 17

REID BRENNEN CATT NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE BU50/J | STATE MO
DISTRICT KC | SHEET NO. 3
COUNTY JOHNSON
JOB NO. J3P3202
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
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH (816) 361-1177
CERTIFICATE OF AUTHORITY NO. 001592

PAVEMENT MARKING (WHITEMAN AFB)

SHEET	STA.	STA.	LOCATION	CLASS 1 PAVEMENT MARKING PAINT 18-MIL. TYPE P BEADS		REMARKS
				4" SOLID WHITE (LF)	4" SOLID YELLOW (LF)	
	LOG MILE 1.759	LOG MILE 2.030	STATE ST	2862	2862	DBL YELLOW
			TOTALS	2862	2862	

RTE. J J3P3202 (FULL DEPTH CONCRETE REPAIRS) QTY FROM MODOT - WHITEMAN (AFB)

NUMBER	END LOG MILE	LENGTH	WIDTH	FURNISHING/PLACING SY	SAWCUTS LF	REMARKS
10	NA*	6.00	24.00	16.00	60.00	
11	NA*	6.00	24.00	16.00	60.00	
12	NA*	6.00	24.00	16.00	60.00	
			TOTALS	48.0	180	

EROSION CONTROL

SHEET	STA.	STA.	LOCATION	PHASE	SEDIMENT TRAP		ALTERNATE DITCH CHECK	CURB INLET CHECK	SILT FENCE	SOD	SEDIMENT REMOVAL
					EXCAVATION (CY)	ROCK (CY)	(LF)	(EA)	(LF)	(SY)	(CY)
84	673+25.59	673+48.59	STATE ST LT	FINAL						28	
84	673+61.12	673+80.70	STATE ST RT	FINAL						25	
84	673+61.39	675+35.20	STATE ST LT	FINAL						190	
84	673+63.92	673+80.21	STATE ST RT	FINAL						3	
84	673+84.52	674+39.98	STATE ST RT	FINAL						76	
84	674+18.69	674+37.13	STATE ST RT	FINAL						3	
84	674+49.94	674+79.36	STATE ST RT	FINAL						41	
84	674+52.77	674+66.26	STATE ST RT	FINAL						2	
84	674+83.36	675+21.64	STATE ST RT	FINAL						51	
84	674+93.19	675+10.33	STATE ST RT	FINAL						3	
84	674+93.75	675+18.58	STATE ST LT	FINAL						10	
84	675+45.27	675+85.11	STATE ST LT	FINAL						56	
84	675+46.95	676+66.95	STATE ST RT	FINAL						202	
84	675+51.94	675+84.26	STATE ST LT	FINAL						14	
84	675+59.87	675+72.20	STATE ST RT	FINAL						2	
84	675+91.42	676+80.93	STATE ST LT	FINAL						117	
84	676+71.95	677+08.50	STATE ST RT	FINAL						37	
84	676+84.13	677+05.51	STATE ST LT	FINAL						14	
84	677+16.20	677+73.47	STATE ST LT	FINAL						66	
84	677+21.58	677+70.37	STATE ST RT	FINAL						75	
84	677+81.54	677+96.84	STATE ST RT	FINAL						24	
84	677+83.40	678+83.95	STATE ST LT	FINAL						137	
84	678+00.65	678+81.93	STATE ST RT	FINAL						111	
84	678+49.09	678+73.38	STATE ST RT	FINAL						7	
84	678+50.92	678+75.27	STATE ST LT	FINAL						8	
84	679+04.44	680+19.96	STATE ST RT	FINAL						213	
84	679+09.15	679+28.41	STATE ST LT	FINAL						24	
84	679+14.45	679+29.75	STATE ST RT	FINAL						4	
84	680+22.36	680+68.96	STATE ST RT	FINAL						109	
84	680+37.11	680+65.12	STATE ST RT	FINAL						5	
84	680+79.55	681+16.14	STATE ST RT	FINAL						87	
				SUBTOTALS 4	0	0	0	0	0	1744	0
				SUBTOTALS 3	0	0	0	0	0	2905	0
				SUBTOTALS 2	0	0	0	0	0	4002	0
				SUBTOTALS 1	35	35	261	8	451	1293	55
				TOTALS	35	35	261	8	451	9944	55

SUMMARY OF QUANTITIES
SHEET 12 OF 17

REID BRENNEN CATT NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER MO# PE-2010019516

DATE PREPARED 8/18/2026
ROUTE BU50/J | STATE MO
DISTRICT KC | SHEET NO. 3
COUNTY JOHNSON
JOB NO. J3P3202
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
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF AUTHORITY NO. 001592

REMOVAL OF IMPROVEMENTS				
SHEET	STA.	STA.	LOCATION	DESCRIPTION
11	668+44.02	671+59.96	Route J RT	186 SY SIDEWALK
11	669+18.90		Route J RT	1 SIGN, 1 POST REMOVE & REPLACE
11	669+42.76	670+05.15	Route J RT	62' SAWCUT
11	669+42.76	670+05.15	Route J RT	48 SY CONCRETE ENTRANCE & CURB
11	670+48.88	670+75.35	Route J RT	26' SAWCUT
11	670+48.88	670+75.35	Route J RT	19 SY CONCRETE ENTRANCE & CURB
11	671+34.99		Route J RT	1 SIGN, 1 POST REMOVE & REPLACE
11	671+39.95	671+59.24	Route J LT	13 SY SIDEWALK
11	671+42.83	672+07.06	Route J RT	64' SAWCUT
11	671+42.83	672+07.06	Route J RT	66 SY CONCRETE ENTRANCE & CURB
11	671+42.95	672+04.01	Route J LT	61' SAWCUT
11	671+42.95	672+04.01	Route J LT	141 SY CONCRETE ENTRANCE & CURB
11	671+60.14	671+88.00	Route J RT	20 SY ASPHALT
11	671+63.05	671+63.47	Route J RT	3' SAWCUT
11	671+63.05	671+86.45	Route J RT	23' SAWCUT
11	671+63.61	671+88.00	Route J LT	24' SAWCUT
11,12	671+86.75	673+42.87	Route J RT	79 SY SIDEWALK
11,12	671+88.42	673+48.12	Route J LT	103 SY SIDEWALK
11	671+92.50		Route J RT	1 SIGN, 1 POST REMOVE & REPLACE
11	672+11.22		Route J LT	12" DIAMETER TREE REMOVE
11	672+78.24		Route J RT	1 SIGN, 1 POST REMOVE & REPLACE
12	673+30.93	673+40.93	Route J LT	10' SAWCUT
12	673+30.93	673+40.93	Route J LT	3 SY CONCRETE CURB
12	673+35.80	673+68.88	Route J RT	33' SAWCUT
12	673+35.80	673+68.88	Route J RT	37 SY CONCRETE ENTRANCE & CURB
12	673+40.93	673+69.16	Route J LT	28' SAWCUT
12	673+40.93	673+69.16	Route J LT	22 SY CONCRETE ENTRANCE & CURB
12	673+43.62	673+53.54	Route J RT	10' SAWCUT
12	673+61.79	675+22.37	Route J LT	72 SY SIDEWALK
12	673+62.01	673+89.55	Route J RT	15 SY SIDEWALK
12	673+84.98		Route J LT	1 SIGN, 1 POST REMOVE & REPLACE
12	674+32.23	674+57.59	Route J RT	25' SAWCUT
12	674+32.23	674+57.59	Route J RT	7 SY CONCRETE CURB
12	674+58.21	675+21.42	Route J RT	32 SY SIDEWALK
12	674+95.77		Route J RT	1 SIGN, 1 POST REMOVE & REPLACE
12	674+99.69		Route J LT	1 SIGN, 1 POST REMOVE & REPLACE
12	675+02.73	675+67.39	Route J RT	65' SAWCUT
12	675+02.73	675+67.39	Route J RT	65 SY CONCRETE ENTRANCE & CURB
12	675+04.15	675+65.74	Route J LT	62' SAWCUT
12	675+04.15	675+65.74	Route J LT	55 SY CONCRETE ENTRANCE & CURB
12	675+20.24	675+52.21	Route J LT	50 SY ASPHALT
12	675+21.05	675+49.30	Route J RT	28' SAWCUT
12	675+25.56	675+45.27	Route J LT	20' SAWCUT
12	675+48.07	677+07.00	Route J RT	66 SY SIDEWALK
12	675+52.72	677+71.53	Route J LT	110 SY SIDEWALK
12	675+53.65		Route J RT	1 SIGN, 1 POST REMOVE & REPLACE
12	675+55.57		Route J RT	1 SIGN, 1 POST REMOVE & REPLACE
12	675+65.74	675+68.57	Route J LT	3' SAWCUT
12	675+65.74	675+68.57	Route J LT	1 SY CONCRETE CURB
12	676+26.93		Route J RT	1 SIGN, 1 POST REMOVE & REPLACE
12	676+85.76	677+00.74	Route J RT	15' SAWCUT CURB
12	676+85.76	677+00.74	Route J RT	5 SY CONCRETE CURB
12	676+86.40	676+96.39	Route J LT	10' SAWCUT CURB
12	676+86.40	676+96.39	Route J LT	3 SY CONCRETE CURB
12	676+96.39	677+23.95	Route J LT	28' SAWCUT
12	676+96.39	677+23.95	Route J LT	15 SY CONCRETE ENTRANCE & CURB
12	677+00.74	677+29.19	Route J RT	28' SAWCUT
12	677+00.74	677+29.19	Route J RT	21 SY CONCRETE ENTRANCE & CURB
12	677+07.39	677+10.15	Route J RT	1 SY SIDEWALK
12	677+12.33	677+18.29	Route J RT	2 SY SIDEWALK
12	677+47.72	677+62.72	Route J RT	15' SAWCUT
12	677+47.72	677+62.72	Route J RT	5 SY CONCRETE CURB
12	677+49.75	677+64.72	Route J LT	15' SAWCUT
1 LUMP SUM				

REMOVAL OF IMPROVEMENTS				
SHEET	STA.	STA.	LOCATION	DESCRIPTION
12	677+49.75	677+64.72	Route J LT	5 SY CONCRETE CURB
12,13	677+61.16	678+81.93	Route J RT	70 SY SIDEWALK
12	677+62.34		Route J LT	1 SIGN, 1 POST REMOVE & REPLACE
12	677+62.72	677+89.09	Route J RT	26' SAWCUT
12	677+62.72	677+89.09	Route J RT	18 SY CONCRETE ENTRANCE & CURB
12	677+64.72	677+91.07	Route J LT	26' SAWCUT
12	677+64.72	677+91.07	Route J LT	14 SY CONCRETE ENTRANCE & CURB
12,13	677+72.97	678+83.30	Route J LT	59 SY SIDEWALK
12	678+16.83		Route J RT	1 SIGN, 1 POST REMOVE & REPLACE
13	678+62.21	679+25.71	Route J RT	64' SAWCUT
13	678+62.21	679+25.71	Route J RT	64 SY CONCRETE ENTRANCE & CURB
13	678+63.40	679+28.40	Route J LT	65' SAWCUT
13	678+63.40	679+28.40	Route J LT	71 SY CONCRETE ENTRANCE & CURB
13	678+80.32	679+07.50	Route J RT	27' SAWCUT
13	678+82.58	679+09.26	Route J LT	27' SAWCUT
13	679+08.19	680+53.54	Route J RT	62 SY SIDEWALK
13	679+09.65		Route J RT	1 SIGN, 1 POST REMOVE & REPLACE
13	679+11.46		Route J RT	1 SIGN, 1 POST REMOVE & REPLACE
13	680+60.79	680+87.25	Route J RT	27' EXIST. PIPE
13	680+60.92	680+88.76	Route J RT	28' SAWCUT
13	680+60.92	680+88.76	Route J RT	26 SY CONCRETE ENTRANCE & CURB
13	680+85.18		Route J RT	1 SIGN, 1 POST REMOVE & REPLACE
13	680+91.92		Route J RT	20" DIAMETER TREE
1 LUMP SUM				

SUMMARY OF QUANTITIES
SHEET 13 OF 17

STATE OF MISSOURI
WILLIAM R. BUCK
NUMBER PE-025272
PROFESSIONAL ENGINEER

WILLIAM BUCK, P.E.
MISSOURI PE 025272

DATE PREPARED
8/24/2026

ROUTE	STATE
BU50/J	MO

DISTRICT	SHEET NO.
KC	3

COUNTY
JOHNSON

JOB NO.
J3P3202

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)

POWELL CWM
ARCHITECTURE/ENGINEERING/SURVEYING
3200 S. State Route 291 Bldg. 1, Independence, MO 64057
816.373.4000 | powellcwm.com

Certificates of Authority
Architecture: MO 338 / KS 31
Engineering: MO 4 / KS 241
Land Surveying: MO 123 / KS 36

ROCK LINING

SHEET NO.	STA.	STA.	LOCATION	LENGTH (FT)	WIDTH (FT)	DEPTH (FT)	ROCK LINING (CY)
13	680+84.17	681+94.17	Route J RT	10	4	1	1
						TOTAL	1

SIDEWALK HANDRAIL WITHOUT BALUSTERS

SHEET	STA.	LOCATION	HANDRAILING (LF)
12	676+66.95	Route J RT	16
12	676+71.95	Route J RT	16
		SUBTOTALS	32
		TOTALS	32

CURB AND GUTTER

SHEET	STA.	STA.	LOCATION	CURB AND GUTTER TYPE A (MOUNTABLE) (LF)	Type 5 AGG BASE (6 IN.) (SY)
12	673+30.91	673+40.91	Route J LT	10.0	3.3
12	675+65.74	675+68.57	Route J LT	2.8	0.9
12	676+85.76	677+00.74	Route J RT	15.0	5.0
12	676+86.40	676+96.40	Route J LT	10.0	3.3
12	677+47.72	677+62.73	Route J RT	15.0	5.0
12	677+49.72	677+64.72	Route J LT	15.0	5.0
			SUBTOTALS	67.8	22.5
			TOTALS	68	23

PIPE CULVERTS

FROM STRUCTURE	STA.	LOCATION	TO STRUCTURE	STA.	LOCATION	SHEET NO.	GROUP C PIPE 12 IN. (LF)	GROUP C F.E.S. 12 IN. (EA)	CL. 3 EXC. (CY)
680S2	680+46.42	Route J RT	680F1	680+84.17	Route J RT	13	38	1	8.8
						SUBTOTALS	38	1	8.8
						TOTALS	38	1	9

DRAINAGE STRUCTURES

STRUCTURE NO.	SHEET NO.	LOCATION	STA.	OFFSET	PRECAST DROP INLET TYPE S-2 INLET 3FT X 2FT (LF)	GRATE & BEARING PLATE 3FT X 2FT (EA)	CL. 3 EXC. (CY)
680S2	13	Route J RT	680+46.42	30.94	2.69	1	6.3
				SUBTOTALS	2.69	1	6.3
				TOTALS	3	1	7

SUMMARY OF QUANTITIES
SHEET 14 OF 17

STATE OF MISSOURI
WILLIAM R. BUCK
NUMBER PE-025272
PROFESSIONAL ENGINEER
WILLIAM BUCK, P.E.
MISSOURI PE 025272

DATE PREPARED
8/24/2026

ROUTE	STATE
BU50/J	MO

DISTRICT	SHEET NO.
KC	3

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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Certificates of Authority
Architecture: MO 310 / KS 73
Engineering: MO 4 / KS 241
Land Surveying: MO 133 / KS 36

CONCRETE STAIRS

SHEET	STA.	LOCATION	NO. OF STAIRS	STAIR WIDTH (FT)	STAIR RISE (IN)	STAIR TREAD (IN)	STAIR SLOPE RATIO	CLASS B-1 CONCRETE (CY)	REINFORCING STEEL (LB)	HAND-RAILING FOR STEPS WITHOUT BALUSTERS TOTAL LENGTH (LF)	HAND-RAILING FOR STEPS WITHOUT BALUSTERS PAY LENGTH (LF)	COMMENTS
11	670+21.45	Route J RT	1	4	5	14.25	1:3	0.33	18	7	3	PCC & STEEL ROUNDED UP TO 2 STEPS
11	672+46.78	Route J RT	1	4	6	12	1:2	0.31	17	7	3	PCC & STEEL ROUNDED UP TO 2 STEPS
11	672+48.55	Route J LT	6	4	5	14.25	1:3	0.88	43	20	16	PCC & STEEL ROUNDED UP TO 4-FT WIDE
12	673+23.60	Route J LT	3	4	6	12	1:2	0.44	20	12	8	
12	673+82.61	Route J RT	5	4	6	12	1:2	0.7	33	16	12	
12	674+81.36	Route J RT	3	4	5	14.25	1:3	0.47	25	12	8	
12	675+88.23	Route J LT	3	5	6	12	1:2	0.53	25	12	8	
12	676+82.52	Route J LT	4	4	5	14.25	1:3	0.61	32	14	10	
12	677+98.77	Route J RT	2	4	5	14.25	1:3	0.33	18	10	6	
							SUBTOTALS	4.6	231			
							TOTALS	4.6	231		74	

SIDEWALK RT

SHEET	STA.	STA.	LOCATION	CONCRETE CURB RAMP (SY)	TRUNCATED DOMES (SF)	CONCRETE SIDEWALK, 4" (SY)	CONCRETE SIDEWALK, 8" (SY)	TYPE 1 AGG BASE (4 IN.) (SY)	ADA LINEAR GRADING (LF)
11	668+44.02	669+50.42	Route J RT			68.7		68.7	
11	669+69.42	669+84.92	Route J RT			8.6		8.6	
11	669+97.47	670+56.53	Route J RT			35.2		35.2	
11	670+67.59	671+48.84	Route J RT			48.2		48.2	
11	671+48.84	671+61.87	Route J RT	7.2	10.0			7.2	13
11	671+87.63	671+98.07	Route J RT	5.8	10.0			5.8	10
11	671+98.07	672+03.07	Route J RT	11.3	10.0			11.3	5
11	672+03.07	672+14.79	Route J RT	6.5				6.5	12
11	672+14.79	673+43.62	Route J RT			75.8		75.8	
12	673+61.12	674+22.13	Route J RT			39.0		39.0	
12	674+22.13	674+39.98	Route J RT	9.6				9.6	18
12	674+49.94	674+62.78	Route J RT	6.7				6.7	13
12	674+62.78	674+96.56	Route J RT			22.9		22.9	
12	674+96.59	675+18.05	Route J RT	11.0	10.0			11.0	22
12	675+52.25	675+68.74	Route J RT	8.3	10.0			8.3	16
12	675+68.74	676+85.74	Route J RT			80.4		80.4	
12	676+85.74	677+08.43	Route J RT	14.0				14.0	23
12	677+21.55	677+70.39	Route J RT	30.4				30.4	49
12	677+81.52	677+89.11	Route J RT	3.9				3.9	8
12	677+89.11	678+54.09	Route J RT			45.0		45.0	
13	678+54.09	678+78.87	Route J RT	13.1	10.0			13.1	25
13	679+09.05	679+24.75	Route J RT	8.1	10.0			8.1	16
13	679+24.75	680+45.68	Route J RT			84.7		84.7	
13	680+45.68	680+67.74	Route J RT	12.3				12.3	22
			SUBTOTALS 1	148.2	70.0	508.5	0.0	657	252

SIDEWALK LT

SHEET	STA.	STA.	LOCATION	CONCRETE CURB RAMP (SY)	TRUNCATED DOMES (SF)	CONCRETE SIDEWALK, 4" (SY)	CONCRETE SIDEWALK, 8" (SY)	TYPE 1 AGG BASE (4 IN.) (SY)	ADA LINEAR GRADING (LF)
11	671+39.95	671+61.73	Route J LT	14.3	10.0			14.3	22
11	671+88.78	672+13.57	Route J LT	29.8	20.0			29.8	25
11	672+13.57	673+30.91	Route J LT			77.6		77.6	
12	673+30.90	673+48.53	Route J LT	10.7				10.7	18
12	673+61.46	673+69.15	Route J LT	4.0				4.0	8
12	673+69.15	675+03.98	Route J LT			89.6		89.6	
12	675+03.98	675+22.60	Route J LT	9.9	10.0			9.9	19
12	675+53.46	675+62.46	Route J LT	7.7	10.0			7.7	9
12	675+62.46	676+86.40	Route J LT			85.6		85.6	
12	676+86.40	677+04.13	Route J LT	10.7				10.7	18
12	677+16.26	677+23.94	Route J LT	4.0				4.0	8
12	677+23.94	677+49.70	Route J LT			17.2		17.2	
12	677+49.70	677+72.34	Route J LT	14.0				14.0	23
12	677+83.46	677+91.13	Route J LT	4.0				4.0	8
12	677+91.13	678+55.92	Route J LT			43.4		43.4	
13	678+55.92	678+80.39	Route J LT	13.0	10.0			13.0	25
			SUBTOTALS 2	122.1	60.0	313.4	0.0	436	183
			SUBTOTALS 1	148.2	70.0	508.5	0.0	657	252
			TOTAL	270.3	130.0	821.9	0.0	1093	435

SUMMARY OF QUANTITIES
SHEET 15 OF 17

STATE OF MISSOURI
WILLIAM R. BUCK
NUMBER PE-025272
PROFESSIONAL ENGINEER
WILLIAM BUCK, P.E.
MISSOURI PE 025272

DATE PREPARED
8/24/2026

ROUTE	STATE
BU50/J	MO

DISTRICT	SHEET NO.
KC	3

COUNTY
JOHNSON

JOB NO.
J3P3202

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)

POWELL CWM
ARCHITECTURE/ENGINEERING/SURVEYING
3200 S. State Route 291, Bldg. I, Independence, MO 64057
816.373.4000 | powellcwm.com
Certificates of Authority
Architecture: MO 310 / KS 73
Engineering: MO 4 / KS 241
Land Surveying: MO 133 / KS 36

PAVEMENT

SHEET	STA.	STA.	LOCATION	NET LENGTH (FT)	AVERAGE WIDTH (FT)	MEASURED AREA (SF)	1.5" BP-2 PG 64-22 (TON)	4.5" BP-2 BASE PG 64-22 (TON)	TACK COAT (GAL)	MOD. TACK COAT JSP 2501 (GAL)	TYPE 5 AGG. BASE (6-IN.) (SY)	Gravel (A) OR CRUSHED STONE (B) (SY)	REMARKS
11 to 13	668+44.02	682+13.44	ROUTE J	1369.4	24.0	32866.1	294.3			365.2			CENTERLINE WITH CURB AND GUTTER
11	668+44.02	669+20.11	ROUTE J RT	76.1	12.0	913.1	8.2			10.1			PARALLEL PARKING
11	668+44.02	669+20.11	ROUTE J LT	76.1	12.0	913.1	8.2			10.1			PARALLEL PARKING
12	675+35.48	675+35.48	ROUTE J LT	20.4	13.2	269.0	2.4	3.7			29.9		WORKMAN STREET
13	LOG MILE 0.541	LOG MILE 0.590	ROUTE J	258.7	24.0	6209.3	55.6		69.0				MILL AND OVERLAY CENTERLINE ONLY
	LOG MILE 0.590	LOG MILE 0.604	ROUTE J	75.0	24.0	1800.0							75-FT DEPTH TRANSITION SOUTH OF FEMA FLOODPLAIN
	LOG MILE 0.590	LOG MILE 0.856	ROUTE J	1404.5	24.0	33707.5	301.8		374.5				CENTERLINE OVERLAY ONLY - NO SHOULDERS
	LOG MILE 0.541	LOG MILE 0.850	ROUTE J RT	1631.5	10.0	16315.2	146.1	438.2			1812.8		SB SHOULDER RECONSTRUCTION (MARILYN AVE - HARDY ST)
	LOG MILE 0.543	LOG MILE 0.856	ROUTE J LT	1652.6	10.0	16526.4	148.0	443.9			1836.2		NB SHOULDER RECONSTRUCTION (MARILYN AVE - HARDY ST)
	LOG MILE 0.856	LOG MILE 1.759	ROUTE J	4767.8	24.0	114428.2	1024.6		1271.4				CENTERLINE ONLY - NO SHOULDERS
			ROUTE J LT	1430.9	10.0	14308.8						1589.9	LEFT SHOULDER
			ROUTE J RT	1430.9	10.0	14308.8						1589.9	RIGHT SHOULDER
			SUBTOTALS	14193.9	197.2	252565.5	1989.2	885.8	1714.9	385.4	3678.9	3179.8	
			TOTALS				2875		1715	386	3679	3180	

COLDMILLING

SHEET	STATION LOG MILE	STATION LOG MILE	LOCATION	NET LENGTH (FT)	AVERAGE WIDTH (FT)	MEASURED AREA (SF)	COLDMILLING BIT. PAVEMENT (3" OR LESS) (SY)	MODIFIED DEPTH TRANSITION (SY)	REMARKS
11,13	668+44.02	682+13.44	ROUTE J	1369.4	24.0	32866.1	3651.8		CENTERLINE WITH CURB AND GUTTER
11	668+44.02	669+20.11	ROUTE J RT	76.1	12.0	913.1	101.3		PARALLEL PARKING
11	668+44.02	669+20.11	ROUTE J LT	76.1	12.0	913.1	101.3		PARALLEL PARKING
13	LOG MILE 0.541	LOG MILE 0.590	ROUTE J	258.7	24.0	6209.3	689.9		MILL AND OVERLAY CENTERLINE ONLY
	LOG MILE 0.590	LOG MILE 0.604	ROUTE J	75.0	24.0	1800.0		200	75' DEPTH TRANSITION SOUTH OF FEMA FLOODPLAIN
			SUBTOTALS	1855.3	96.0	42701.6	4544.3	200	
			TOTALS				4545	200	

PAVEMENT (WHITEMAN AFB)

STATION LOG MILE	STATION LOG MILE	LOCATION	NET LENGTH (FT)	AVERAGE WIDTH (FT)	MEASURED AREA (SF)	1.5" BP-2 PG 64-22 (TON)	TACK COAT (STANDARD) (GAL)	MODIFIED COLDMILLING DEPTH TRANSITION (SY)	REMARKS
LOG MILE 1.759	LOG MILE 2.03	ROUTE J	1430.9	24.0	34341.1	307.5	381.6		CENTERLINE ONLY - NO SHOULDERS
LOG MILE 2.016	LOG MILE 2.03	ROUTE J	75.0	24.0	1800.0			200	75' DEPTH TRANSITION AT SOUTH END
		SUBTOTALS	1505.9	48.0	36141.1	307.5		200	
		TOTALS				307.5	382	200	

ENTRANCES

SHEET	STA.	STA.	LOCATION	PAVED APPROACH 7 IN. (SY)	PAVED APPROACH 8 IN. (SY)	GRAVEL (A) OR CRUSHED STONE (B) (SY)	TYPE 1 AGG. BASE (4 IN.) (SY)	ADA LINEAR GRADING (LF)
11	669+42.75	669+77.15	Route J RT	44.8				34.4
11	669+77.15	670+05.19	Route J RT	33.3				28.0
11	670+48.87	670+75.40	Route J RT	25.2				26.5
11	671+42.79	672+07.06	Route J RT		81.9		82	64.3
11	671+42.93	672+04.08	Route J LT		134.1		134	61.2
12	673+35.80	673+68.88	Route J RT	41.8				33.1
12	673+40.91	673+69.16	Route J LT	20.8				28.3
12	674+32.23	674+57.62	Route J RT	17.7		9.4		25.4
12	675+02.73	675+67.39	Route J RT		62.0		62	64.7
12	675+04.15	675+65.86	Route J LT		66.4		66	61.7
12	677+00.74	677+29.21	Route J RT	21.0		11.6		28.5
12	676+96.39	677+23.95	Route J LT	19.7		11.4		27.6
12	677+62.73	677+89.12	Route J RT	17.7		7.3		26.4
12	677+64.71	677+91.09	Route J LT	17.4		9.9		26.4
13	678+62.21	679+25.71	Route J RT		61.2		61	63.5
13	678+63.40	679+28.41	Route J LT		68.7		69	65.0
13	680+60.90	680+88.76	Route J RT	24.6				27.9
			SUBTOTALS	284.0	474.3	49.6	474	692.9
			TOTALS	284.0	474.3	50	474	693

SUMMARY OF QUANTITIES
SHEET 16 OF 17

STATE OF MISSOURI
WILLIAM R. BUCK NUMBER PE-025272
PROFESSIONAL ENGINEER
WILLIAM BUCK, P.E.
MISSOURI PE 025272

DATE PREPARED
8/24/2026

ROUTE BU50/J | STATE MO
DISTRICT KC | SHEET NO. 3
COUNTY JOHNSON
JOB NO. J3P3202
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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

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Certificates of Authority
Architecture: MO 338 / KS 73
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SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL AREA SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NO.	DESCRIPTION
WARNING SIGNS								
WO1-1L	48X48	16.00						TURN (SYMBOL LEFT)
WO1-1R	48X48	16.00						TURN (SYMBOL RIGHT)
WO1-2L	48X48	16.00						CURVE (SYMBOL LEFT)
WO1-2R	48X48	16.00						CURVE (SYMBOL RIGHT)
WO1-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT)
WO1-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT)
WO1-4L	48X48	16.00						REVERSE CURVE (SYMBOL LEFT)
WO1-4R	48X48	16.00						REVERSE CURVE (SYMBOL RIGHT)
WO1-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT)
WO1-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT)
WO1-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LEFT)
WO1-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RIGHT)
WO1-6	60X30	12.50						HORIZONTAL ARROW (SYMBOL)
WO1-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)
WO1-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)
WO1-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)
WO1-8	18X24	3.00						CHEVRON (SYMBOL)
WO1-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)
WO3-1	48X48	16.00						STOP AHEAD (SYMBOL)
WO3-2	48X48	16.00						YIELD AHEAD (SYMBOL)
WO3-3	48X48	16.00						SIGNAL AHEAD (SYMBOL)
WO3-4	48X48	16.00						BE PREPARED TO STOP
WO3-5	48X48	16.00	4	64				SPEED LIMIT AHEAD
WO4-1L	48X48	16.00						MERGE (SYMBOL FROM LEFT)
WO4-1R	48X48	16.00						MERGE (SYMBOL FROM RIGHT)
WO4-1aL	48X48	16.00						MERGE (LEFT)
WO4-1aR	48X48	16.00						MERGE (RIGHT)
WO5-1	48X48	16.00	2	32				ROAD/BRIDGE/RAMP NARROWS
WO5-3	48X48	16.00						ONE LANE BRIDGE
WO5-5	48X48	16.00						NARROW LANES
WO6-1	48X48	16.00						DIVIDED HIGHWAY (SYMBOL)
WO6-2	48X48	16.00						DIVIDED HIGHWAY END (SYMBOL)
WO6-3	48X48	16.00						TWO WAY TRAFFIC (SYMBOL)
WO7-3a	30X24	5.00						NEXT XX MILES (PLAQUE)
WO8-1	48X48	16.00	2	32				BUMP
WO8-2	48X48	16.00						DIP
WO8-3	48X48	16.00						PAVEMENT ENDS
WO8-4	48X48	16.00						SOFT SHOULDER
WO8-5	48X48	16.00						SLIPPERY WHEN WET (SYMBOL)
WO8-6	48X48	16.00						TRUCK CROSSING
WO8-6c	48X48	16.00						TRUCK ENTRANCE
WO8-7	36X36	9.00						LOOSE GRAVEL
WO8-7a	36X36	9.00						FRESH OIL / LOOSE GRAVEL
WO8-9	48X48	16.00						LOW SHOULDER
WO8-11	48X48	16.00	20	320				UNEVEN LANES
WO8-12	48X48	16.00	16	256				NO CENTER LINE
WO8-15	48X48	16.00						GROOVED PAVEMENT
WO8-15P	30X24	5.00						MOTORCYCLE (PLAQUE)
WO8-17L	48X48	16.00						SHOULDER DROP-OFF (SYMBOL LEFT)
WO8-17R	48X48	16.00						SHOULDER DROP-OFF (SYMBOL RIGHT)
WO8-17P	30X24	5.00						SHOULDER DROP-OFF (PLAQUE)
W10-1	42RND.	9.62						RAILROAD CROSSING
WO12-1	24X24	4.00						DOUBLE DOWN ARROW (SYMBOL)
WO12-2	48X48	16.00						LOW CLEARANCE (SYMBOL)
WO12-2x	24X18	3.00						LOW CLEARANCE (PLAQUE)
WO12-2a	84X24	14.00						OVERHEAD LOW CLEARANCE (FEET AND INCHES)
WO12-4	120X60	50.00						LOW CLEARANCE XX FT XX IN XX MILES AHEAD
WO12-5	120X60	50.00						WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD
WO13-1	30X30	6.25						ADVISORY SPEED (PLAQUE)
WO16-2	30X24	5.00						XXX FEET (PLAQUE)
WO16-3	30X24	5.00						X MILE (PLAQUE)
WO20-1	48X48	16.00	31	496				ROAD/BRIDGE/RAMP WORK AHEAD
WO20-2	48X48	16.00						DETOUR AHEAD
WO20-3	48X48	16.00	2	32				ROAD CLOSED AHEAD
WO20-4	48X48	16.00	6	96				ONE LANE ROAD AHEAD
WO20-5	48X48	16.00						RIGHT/CENTER/LEFT LANE CLOSED AHEAD
WO20-5a	48X48	16.00						2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD
WO20-6a	48X48	16.00						RIGHT/CENTER/LEFT LANE CLOSED
WO20-7a	48X48	16.00	8	128				FLAGGER (SYMBOL)
WO21-2	36X36	9.00						FRESH OIL
WO21-5	48X48	16.00	2	32				SHOULDER WORK / SHOULDER WORK AHEAD
WO22-1	48X48	16.00						BLASTING ZONE AHEAD
WO22-2	42X36	10.50						TURN OFF 2-WAY RADIO AND PHONE
WO22-3	42X36	10.50						END BLASTING ZONE
GO22-1	21X15	2.19	2	4.38				WET PAINT (ARROW PIVOTS)

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NO.	DESCRIPTION
GUIDE SIGNS								
E05-1	36X48	12.00						GORE EXIT
E05-2	48X36	12.00						EXIT OPEN
E05-2a	48X36	12.00						EXIT CLOSED
GO20-1	60X24	10.00	4	40				ROAD WORK NEXT XX MILES
GO20-2	48X24	8.00	4	32				END ROAD WORK
GO20-4	36X18	4.50	4	18				PILOT CAR FOLLOW ME
GO20-4a	42X30	8.75	20	175				PILOT CAR IN USE WAIT & FOLLOW
GO20-4a	18X12	1.50	16	24				PILOT CAR IN USE WAIT & FOLLOW
GO20-5aP	36X24	6.00	4	24				WORK ZONE (PLAQUE)
MO4-8a	24X18	3.00						END DETOUR
MO4-9L	48X36	12.00						DETOUR (LEFT)
MO4-9R	48X36	12.00						DETOUR (RIGHT)
MO4-9P	48X12	4.00						STREET NAME (PLAQUE)
MO4-10L	48X18	6.00						DETOUR ARROW (LEFT)
MO4-10R	48X18	6.00						DETOUR ARROW (RIGHT)
REGULATORY SIGNS								
R1-1	48X48	13.25						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	8	48				SPEED LIMIT XX (4-25)(4-15)
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
R4-7a	36X48	12.00						KEEP RIGHT (HORIZONTAL ARROW)
R4-8a	36X48	12.00						KEEP LEFT (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	10	20				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	2	20				ROAD CLOSED
R11-3a	60X30	12.50						ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY
R11-4	60X30	12.50						ROAD CLOSED TO THRU TRAFFIC
CONST-3A	60X48	20.00						FINE SIGN
CONST-3X	56X12	4.67						SPEEDING/PASSING (PLATE)
MISCELLANEOUS SIGNS								
CONST-5	48X36	12.00						POINT OF PRESENCE
CONST-5	96X48	32.00						POINT OF PRESENCE
CONST-8	48X36	12.00	4	48				WORK ZONE NO PHONE ZONE
WO8-24	48X48	16.00	2	32				

616-10.05 CONSTRUCTION SIGNS	TOTAL 1973.38
616-10.10 RELOCATED SIGNS	TOTAL

REFER TO STANDARD PLAN 616.20 FOR TEMPOARY TRAFFIC CONTROL DETAILS

ITEM NUMBER	TOTAL QTY	EFFECTIVE: 07-01-2025 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)
6122040		WORK ZONE CRASH CUSHION (NARROW)
6122041		WORK ZONE CRASH CUSHION (RELOCATION)
6123001		TRUCK MOUNTED ATTENUATOR (TMA)
6161012		BUOYS (BOATS KEEP OUT)
6161013		BUOYS (NO WAKE)
6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)
6161020		CHANNELIZER (DRUM-LIKE)
6161022		CHANNELIZER (CONE)
6161025	100	CHANNELIZER (TRIM-LINE)
6161026		CHANNELIZER (VERTICAL PANEL)
6161030	20	TYPE 3 MOVEABLE BARRICADE
6161033		DIRECTION INDICATOR BARRICADE
6161040		FLASHING ARROW PANEL
6161047		TYPE 3 OBJECT MARKER
6161055		SEQUENTIAL FLASHING WARNING LIGHT
6161070		TUBULAR MARKER
6161095		RADAR SPEED ADVISORY SYSTEM
6161096		CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED
6161098A	4*	CHANGEABLE MESSAGE SIGN WITHOUT COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED
6161099		CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED
6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM
6162002		TEMPORARY LONG-TERM RUMBLE STRIPS
6173600D		TEMPORARY TRAFFIC BARRIER, CONTRACTOR FURNISHED/RETAINED
6173700B		TEMP. TRAFFIC BARRIER ANCHORED, CONTRACTOR FURNISHED/RETAINED
6173706		TEMP. TRAFFIC BARRIER STIFFNESS TRANSITION CONTRACTOR FURNISHED/RETAINED
6174000A		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION, CONTRACTOR FURNISHED/RETAINED
6175010A		RELOCATING TEMPORARY TRAFFIC BARRIER
6175011B		RELOCATING TEMP. TRAFFIC BARRIER ANCHORED
6175013		RELOCATING TEMP. TRAFFIC BARRIER STIFFNESS
6175020A		RELOCATING TEMP. TRAFFIC BARRIER HEIGHT
6208064A		TEMPORARY RAISED PAVEMENT MARKER
9029400		TEMPORARY TRAFFIC SIGNALS
9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING
6169902	10	ADA COMPLIANT MOVEABLE BARRICADE

LUMP SUM TEMPORARY TRAFFIC CONTROL
1 LUMP SUM

NOTE: ALL TRAFFIC CONTROL DEVISES ARE INCLUDED IN PAY ITEM 6199901 LUMP SUM TEMPORARY TRAFFIC CONTROL UNLESS NOTED OTHERWISE IN THE PLANS. THESE QUANTITIES ARE ONLY AN ESTIMATE & ARE SUBJECT TO CHANGE BASED ON FIELD CONDITIONS.

* ITEMS NOT INCLUDED IN LUMP SUM TEMPORARY TRAFFIC CONTROL

SUMMARY OF QUANTITIES
SHEET 17 OF 17

REID BRENNEN CATT NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER MO# PE-2010019516

DATE PREPARED 8/18/2026

ROUTE	STATE
BU50/J	MO

DISTRICT	SHEET NO.
KC	3

COUNTY JOHNSON

JOB NO. J3P3202

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
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF AUTHORITY NO. 001592

SEE SHEETS NO. 17-29
FOR RIGHT OF WAY DETAILS

NW¼ NE¼
21-46N-24W

NE¼ NE¼
21-46N-24W

10' UTILITY EASEMENT

LEGEND

4" CONCRETE SIDEWALK

TRUNCATED DOMES

BRANT INVESTMENTS INC

STA. 1778+15.31 ℄ MCPHERSON ST=
STA. 0+00.00 ℄ WASHINGTON ST

1/2" REBAR AT THE QUARTER CORNER COMMON TO
SECTIONS 15 & 22 - T46N-R24W
DOCUMENT NO. 600-76037, 4,221.42' S73°46'16"W
TO BEGINNING OF PROJECT

PROJECT BEGINS AT A POINT APPROX. 1,179.79' NORTH
& 4,053.21' EAST OF THE QUARTER CORNER COMMON TO
SECTIONS 15 & 22 - T46N-R24W

EXIST. R/W

¼¼ SECTION LINE

BEGIN ADA CONSTRUCTION
STA. 1777+70.00 ℄ MCPHERSON ST=
STA. 1777+70.00 ℄ MCPHERSON ST=
LOG MILE 0.584

℄ BUS. RTE. 50 MCPHERSON ST

S87°02'01"E

BEGIN 1.5" MILL
AND OVERLAY

BEGIN PROJECT
LOG MILE 0.447

STA. 1778+18.23 ℄ MCPHERSON ST=
STA. 0+00.00 ℄ WASHINGTON ST

EXIST. R/W

15' INGRESS/EGRESS EASEMENT

WASHINGTON ST

01
MORRIS RENTALS
4-PLEX LLC

02
SMIDT, MICHAEL A

3'x3' S-1 INLET

RELOCATE
TELEPHONE PED
(BY OTHERS)

(U.I.P.)

(R)

90°25'24"

89°36'49"

1'X4'X10' ROCK LINING

15"X14' GROUP B PIPE
15" GROUP B F.E.S.

2' F.B.D.

(R&R)

T.C.E.

(D.N.D.)
TELEPHONE PED

5' SIDEWALK

S.L.

15"X24' GROUP B PIPE
15" GROUP B F.E.S.

(R&R) SIGN

RELOCATE GAS
(BY OTHERS)

T.C.E.

S.L.

5' SIDEWALK

1780

RELOCATE WV
(BY OTHERS)

(R&R) SIGN

15"X16' GROUP B PIPE
15" GROUP B F.E.S.

(R&R) BY OTHERS
PWR POLE

RELOCATE FH
(BY OTHERS)

(D.N.D.) FIBER MARKER

RELOCATE FIBER BOX
(BY OTHERS)

15"X19' GROUP B PIPE
15" GROUP B F.E.S.
1'X4'X10' ROCK LINING

6" MOD. S-CURB

S.L.

5' SIDEWALK

4' MANHOLE

STA. 1781+39.49 ℄ MCPHERSON ST=
STA. 0+00.00 ℄ JEFFERSON AVE

JEFFERSON AVE

STA. 1781+40.00
MATCHLINE

90°12'31"

(D.N.D.)
PWR POLE

(D.N.D.)
TREE

T.C.E.

JEFFERSON AVE

MOORE, NATHAN & MILES

SW¼ NE¼
21-46N-24W

¼¼ SECTION LINE

WASHINGTON ST

55
MOORE, NATHAN H

54
THERING, EDWARD & JODIE

SE¼ NE¼
21-46N-24W

SCALE
0 20 40 60

820
810
800
790
780
770

EXISTING GROUND LINE

STA 1778+50.59
EL 788.00

-0.30%

SPECIAL DITCH LT

STA 1779+46.35
EL 787.71

STA 1779+52.90
EL 789.90

33.33%

20'

1779+00 1780+00 1781+00

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

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 GRID NORTH OF THE MISSOURI STATE PLANE COORDINATE SYSTEM, WEST ZONE, NAD-83.

ALL CURB RAMPS AND SIDEWALKS WITHIN THE PROJECT LIMITS AND STATE RIGHT-OF-WAY THAT ARE SHOWN TO USE IN PLACE, SHALL BE FIELD VERIFIED FOR COMPLIANCE BY THE CONTRACTOR. IF AREAS ARE FOUND TO BE NON-COMPLIANT, THE CONTRACTOR SHALL NOTIFY THE ENGINEER.

UNLESS DILRECTED BY THE ENGINEER, EROSION CONTROL SHALL BE LIMITED TO DEVICES INCLUDED IN THE CONTRACT.

MATCH EXISTING SIDEWALK WIDTHS UNLESS SPECIFIED.

MCPHERSON ST PLAN SHEETS ARE BASED OFF MCPHERSON ℄ CHAIN & MCPHERSON ST RW PLAN SHEETS ARE BASED OFF MCPHERSON EXISTING ℄ CHAIN.

SEE SPECIAL SHEETS FOR SIDEWALK GEOMTRY AND ENTRANCE DETAILS.

REID BRENNEN CATT NUMBER PE-2010019516

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE BU50/J | STATE MO
DISTRICT KC | SHEET NO. 4
COUNTY JOHNSON
JOB NO. J3P3202
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
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF AUTHORITY NO. 001592

PLAN SHEET
SHEET 1 OF 13

SEE SHEETS NO. 17-29
FOR RIGHT OF WAY DETAILS

NE¼ NE¼
21-46N-24W

LEGEND

4" CONCRETE SIDEWALK

TRUNCATED DOMES

LEE, JACKIE S

LEE, JOHN D
& JACKIE S

BASHRUM,
TOMMY J

SWISHER, EUGENE F

07
ELWELL, STEVE & SANDRA

08
ELOD, SATURN

JEFFERSON AVE

MADISON AVE

1785

MATCHLINE STA. 1781+40.00

MATCHLINE STA. 1786+80.00

MILL/FILL SIDE STREET WITH ASPHALT WEDGE FOR ADA CROSSING

TAPER CURB 0" TO 8" IN 5'

4'X2' MOD. TYPE D INLET

6' SIDEWALK

+60.40
14.00'

7" PAVED APPROACH LT.
21' WIDE
STA. 1782+44.64
9.63% GRADE

(D.N.D.) SIGN

4'X2' MOD.
TYPE D INLET

6' SIDEWALK

4 STEPS W/HANDRAILS

8" INTEGRAL CURB

RELOCATE PWR POLE
(BY OTHERS)

(D.N.D.)
TREE

¼¼ SECTION LINE

8" PAVED APPROACH LT.
26' WIDE
STA. 1784+75.32
9.15% GRADE

(R&R)
SIGN

5' SIDEWALK

6 STEPS
W/HANDRAILS

(D.N.D.)
SIDEWALK

(D.N.D.)
CONC. SLAB

(D.N.D.)
SIGN

8" PAVED APPROACH LT.
12' WIDE
STA. 1785+84.23
10.00% GRADE

T.C.E.

EXIST. R/W

(D.N.D.)
TREE

(D.N.D.)
TREE

90°9'25"

90°9'19"

89°52'50"

TYPE B C&G
℄ BUS. RTE. 50

(D.N.D.) WALL
TYPE B C&G

STA. 1784+73.79 ℄ MCPHERSON ST=
STA. 0+00.00 ℄ MADISON AVE

POT STA 1785+05.14
Δ= 0°8'8" RT

6' SIDEWALK
S87°10'09"E

TYPE B C&G

6' SIDEWALK

STA. 1781+43.86 ℄ MCPHERSON ST=
STA. 0+00.00 ℄ JEFFERSON AVE

MCPHERSON ST

S87°02'01"E

STA. 1784+72.93 ℄ MCPHERSON ST=
STA. 0+00.00 ℄ MADISON AVE

2.5'X2' SPECIAL GRATE INLET
SPECIAL 3'
ROLLBACK C&G

ASPHALT PAVEMENT
1.5" BP-2 OVER
4" BPBB BASE

RELOCATE TELEPHONE PED
(BY OTHERS)

(D.N.D.)
PWR POLE

(U.I.P.)

(D.N.D.) PWR POLE 4" AGGR. TYPE 1 AGGR.

(R&R) SIGN

5' SIDEWALK

(R&R) SIGN

(D.N.D.) C&G

(8' ADA RAMP)

EXIST. R/W

T.C.E.

5' SIDEWALK

T.C.E.

(D.N.D.)
STEPS

5' SIDEWALK

PERM. ESM'T

(D.N.D.) ADA RAMP

CONTRACTOR TO ENSURE
SIDEWALK CONNECTION TO
PROPERTY OWNER RAMP IS
ADA COMPLIANT

12"X26' GROUP B PIPE
12" GROUP B F.E.S.

1'X4'X10' ROCK LINING

7" PAVED APPROACH RT.
12' WIDE
STA. 1783+24.00
-7.99% GRADE

8" PAVED APPROACH RT.
21' WIDE
STA. 1784+72.20
-4.08% GRADE

8" PAVED APPROACH RT.
21.5' WIDTH
STA. 1786+03.24
-1.00% GRADE

8"PAVED APPROACH RT.
21.5' WIDTH
STA. 1786+63.23
0.76% GRADE

53
FARRAR, LYDIA

52
MINES, ALISON
ELIZABETH

51
HUNDSON,
KRISTAPHER

50
HUNDSON,
KRISTAPHER

49
PALOMO, FRANK E

48
FIRST CHRISTIAN
CHURCH OF KN

CONTRACTOR SHALL BE
RESPONSIBLE FOR MAINTAINING
ACCESS TO THE PROPERTY
AT ALL TIMES.

SCALE
0 20 40 60

SE¼ NE¼
21-46N-24W

PLAN SHEET
SHEET 2 OF 13

REID BRENNEN CATT
NUMBER
PE-2010019516

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/27/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	5

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

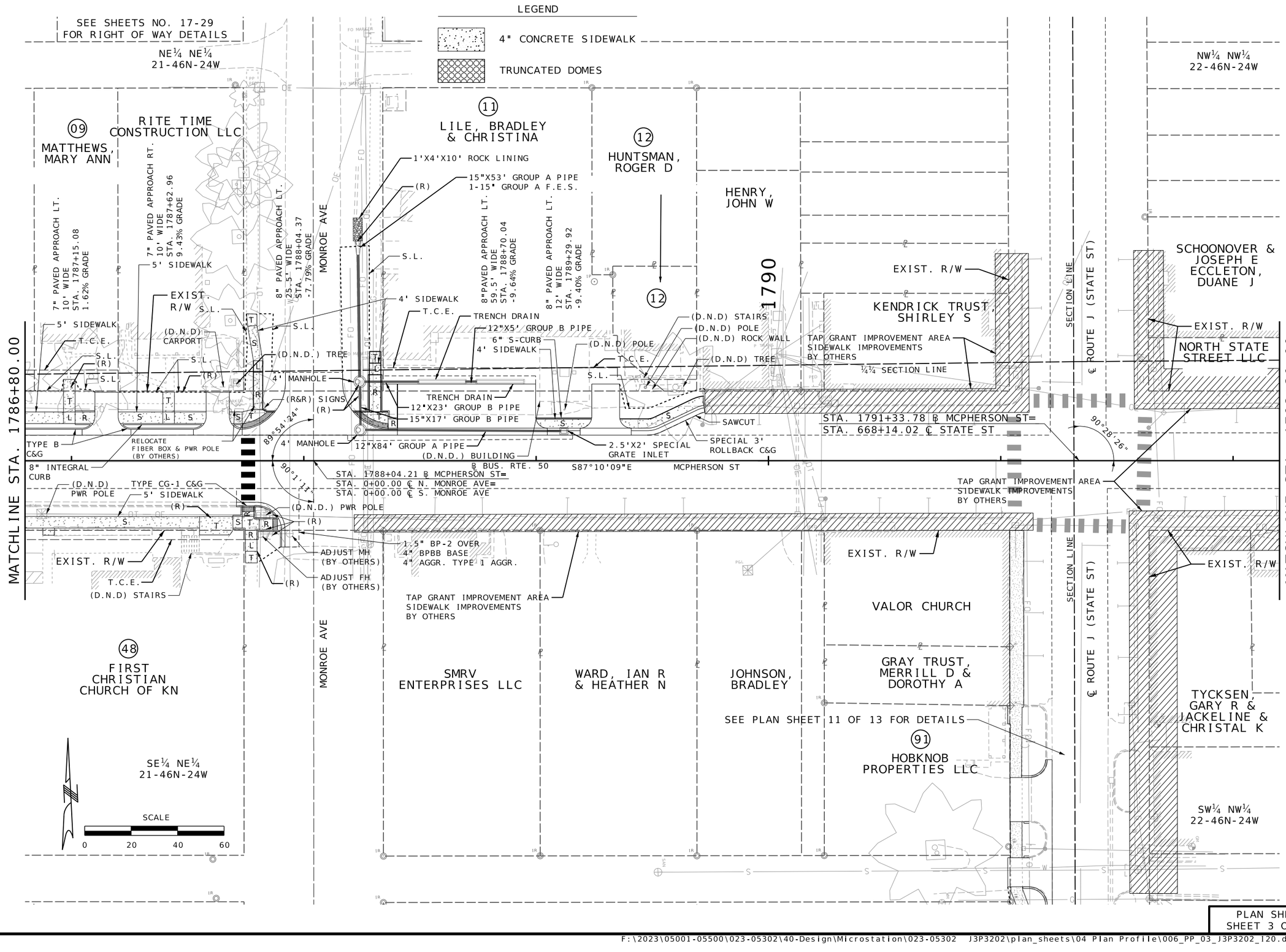
BRIDGE NO.

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
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592



REID BRENNEN CATT NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	6

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

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

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PLAN SHEET
SHEET 3 OF 13

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LEGEND

4" CONCRETE SIDEWALK

TRUNCATED DOMES

SEE SHEETS NO. 17-29
FOR RIGHT OF WAY DETAILS

NW¼ NW¼
22-46N-24W

STARK AND
STARK LLC

BAPTIST CHURCH

TAP GRANT IMPROVEMENT AREA
SIDEWALK IMPROVEMENTS
BY OTHERS

ADAMS AVE

1795

13
FIRST BAPTIST
CHURCH OF KNOB NOSTER

7" PAVED APPROACH LT.
14' WIDE
STA. 1795+67.41
3.18% GRADE

14
DAVIDSON TRUST

7" PAVED APPROACH LT.
9' WIDE
STA. 1795+96.06
4.47% GRADE

7" PAVED APPROACH LT.
9' WIDE
STA. 1796+58.58
7.94% GRADE

15
LOCKARD,
GLORIA

7" PAVED APPROACH LT.
9' WIDE
STA. 1796+81.46
-5.66% GRADE

16
JENNINGS,
BRYAN R
& LINDA S
& PATRICK B

MATCHLINE STA. 1792+20.00

EXIST/ R/W

4" GRAVEL A OR
CRUSHED STONE B

5' SIDEWALK

¼¼ SECTION LINE

+96.94
33.27'

+60.41
82.97'

T.C.E.

S.L.

5' SIDEWALK

(R)

(D.N.D.)

6" S-CURB

3'X3' TYPE S-1 INLET

SPECIAL DITCH LT1 1

SPECIAL DITCH LT1 2

POT STA 1792+68.94
Δ= 0°2'25" LT

S87°10'09"E

℄ BUS. RTE. 50

STA. 1794+62.86 ℄ MCPHERSON ST=
STA. 3+40.68 ℄ ADAMS AVE

MCPHERSON ST

S87°07'44"E

90°10'27"

4'X2' MOD. TYPE D INLET

TYPE B C&G

6' SIDEWALK

(D.N.D.) AREA

(D.N.D.) HANDRAILS

+00.11
23.00'

T.C.E.

TYPE 1-A PIPE COLLAR

7" PAVED APPROACH RT.
9' WIDE
STA. 1796+08.14
11.48% GRADE

EXIST/ R/W

(D.N.D.) AREA

(D.N.D.)
SIGN

MATCHLINE STA. 1797+60.00

EXIST/ R/W

TAP GRANT
IMPROVEMENT AREA
SIDEWALK IMPROVEMENTS
BY OTHERS

WILLIAMS,
STEVEN E
& JEAN C M

KNOB NOSTER
UNITED
METHODIST

SCHROEDER, JASON
& WILLIAM

BURTON,
CHRISTOPHER
THOMAS

46
SCHROEDER, JASON
& WILLIAM

45
LEFT TURN
INVESTMENTS LLC

44
CROMER, SANDRA S
& GEORGE A

SCALE
0 20 40 60

SW¼ NW¼
22-46N-24W

EXIST. GROUND LINE

STA 1796+26.31
EL 814.31

STA 1796+30.31
EL 814.31

STA 1796+95.30
EL 814.63

STA 1796+10.57
EL 814.35

STA 1796+99.30
EL 814.63

STA 1797+60.44
EL 814.97

STA 1796+44.25
EL 814.44

STA 1797+64.66
EL 816.10

+0.96%
0.00%
-0.30%
-0.00%
+26.93%
+0.55%

SPECIAL DITCH LT1
SPECIAL DITCH LT1_2

20'

830
820
810
800
790

1795+00
1796+00
1797+00

PLAN SHEET
SHEET 4 OF 13

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE BU50/J
STATE MO
DISTRICT KC
SHEET NO. 7
COUNTY JOHNSON
JOB NO. J3P3202
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
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592

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LEGEND

4" CONCRETE SIDEWALK

TRUNCATED DOMES

SEE SHEETS NO. 17-29
FOR RIGHT OF WAY DETAILS

NW¼ NW¼
22-46N-24W

17
SENIOR, LEE ROBERTSON
& KATHERINE LORRAINE

18
REGAN, PAMELA M

19
PARRISH, PATRICIA A

20
JACKSON,
STEVEN & DEBORAH

21
FLEISCHER, ROXANNA J

NW¼ NW¼
22-46N-24W

SCALE
0 20 40 60

FULL ASPALT REBUILD
STA. 1797+90.25

JACKSON AVE

ASPHALT PAVEMENT
1.5" BP-2 OVER
4" BPBB BASE
4" AGGR. TYPE 1 AGGR.

TEMP.
CONST.
ESMT.

(D.N.D.)
TREE

(D.N.D.)
SIGN

15"X129' GROUP B PIPE

5' SIDEWALK

SPECIAL DITCH LT2 1

3'X2' TYPE S-1 INLET

15"X13' GROUP B PIPE
15' GROUP B F.E.S.

(D.N.D.) TREE

T.C.E.

EXIST. R/W

7" PAVED APPROACH LT.
9' WIDE
STA. 1799+11.50
-3.63% GRADE

(D.N.D.) TREES

¼¼ SECTION LINE

1800

T.C.E.

(D.N.D.)
TREE

LINCOLN AVE

FULL ASPALT REBUILD
STA. 1801+24.69

ASPHALT PAVEMENT
1.5" BP-2 OVER
4" BPBB BASE
4" AGGR. TYPE 1 AGGR.

(D.N.D.)
WALL

ADD POP UP DRAIN FOR
SUMP PUMP (NO DIRECT PAY)

(D.N.D.)
WALL & LANDSCAPING

PI 1803+34.30
PC 1802+51.32
PT 1804+15.44
Δ 20°53'49.4" (LT)
D 12°43'56.6"
L 164.13' (ARC)
T 82.98'
R 450.00'

7"PAVED APPROACH LT.
10' WIDE
STA. 1802+97.02
11.57% GRADE

MATCHLINE STA. 1797+60.00

(D.N.D.)
PWR POLE

5' SIDEWALK

RELOCATE FO BOX
(BY OTHERS)

SPECIAL DITCH LT2

15"X95' GROUP A PIPE

3'X3' TYPE S-1 INLET

TRIM TREES

3'X2' TYPE S-1 INLET

(D.N.D.)
PWR POLE

SPECIAL DITCH LT3

STA. 1797+92.35 ℄ MCPHERSON ST=
STA. 3+41.09 ℄ JACKSON AVE

S87°07'44"E

℄ BUS. RTE. 50

MCPHERSON ST

90°40'34"

90°22'44"

90°40'39"

(R&R) SIGN

(U.I.P.)

RELOCATE POWER POLE
(BY OTHERS)

15"X11' GROUP B PIPE

3'X2' TYPE S-1 INLET

SPECIAL DITCH LT4

PC STA 1802+51.32

STA. 1801+22.35 ℄ MCPHERSON ST=
STA. 0+00.00 ℄ LINCOLN AVE N.=
STA. 0+00.00 ℄ LINCOLN AVE S.

5' SIDEWALK

(D.N.D) TELEPHONE PED

3'X3' TYPE S-1 INLET

15"X34' GROUP A PIPE

3'X2' TYPE S-1 INLET

3'X3' TYPE E INLET

SPECIAL DITCH RT1

(R&R) SIGNS

5' SIDEWALK

SPECIAL DITCH RT1

15"X36' GROUP B PIPE

RELOCATE PWR POLE
(BY OTHERS)

5' SIDEWALK

(D.N.D.) LIGHT POST

T.C.E.

EXIST. R/W

(D.N.D.) TREE

5' SIDEWALK

INTEGRAL CURB

18"X15' GROUP B PIPE
1-18" GROUP B F.E.S.

1'X4'X12' ROCK LINING

MILL/FILL SIDE STREET WITH ASPHALT
WEDGE FOR ADA CROSSING

8" PAVED APPROACH RT.
31' WIDE
STA. 1797+90.24
0.34% GRADE

7" PAVED APPROACH RT.
17' WIDE
STA. 1799+25.14
4.93% GRADE

43
HACKER, ROBERT V JR
& MOLLY A

SW¼ NW¼
22-46N-24W

42
GILIO, ALEX & ASHLEY

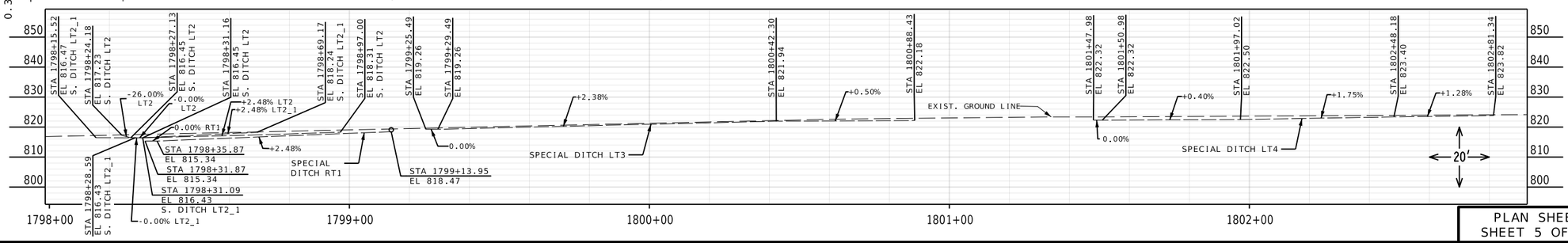
JOSH DENHAM
CONSTRUCTION LLC

40
DEWITT, ANTHONY

SW¼ NW¼
22-46N-24W

39
JEFFERSON,
BRIAN C &
LAUREN A

MATCHLINE STA. 1803+00.00



PLAN SHEET
SHEET 5 OF 13

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE BU50/J
STATE MO
DISTRICT KC
SHEET NO. 8
COUNTY JOHNSON
JOB NO. J3P3202
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
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592

LEGEND

4" CONCRETE SIDEWALK

TRUNCATED DOMES

SEE SHEETS NO. 17-29
FOR RIGHT OF WAY DETAILS

NW¼ NW¼
22-46N-24W

(22)

TUTTLE & ELIZABETH E
JUERGENS, LINDA E

PI 1803+34.30
PC 1802+51.32
PT 1804+15.44
Δ 20°53'49.4" (LT)
D 12°43'56.6"
L 164.13' (ARC)
T 82.98'
R 450.00'

GRANT AVE

8" PAVED APPROACH LT
16.4' WIDE
STA. 1804+46.21
5.27% GRADE

RELOCATE GAS
(BY OTHERS)

(R&R) SIGNS

RELOCATE PWR POLE
(BY OTHERS)

T.C.E.

5' SIDEWALK

EXIST R/W

+33.38
21.90'
+46.39
19.44'
+48.80
24.34'
+59.29
25.70'
+13.75
29.00'

S.L.

(D.N.D.)
PWR POLE

4' SIDEWALK

6" S-CURB

(D.N.D.) SIGN

PC STA 1804+17.08
PT STA 1804+15.44

℄ BUS. RTE. 50
N71°58'26"E

STA. 1804+35.49 ℄ MCPHERSON ST=
STA. 0+00.00 ℄ GRANT AVE, 0.42' LT.

MATCHLINE STA. 1803+00.00

REMOVE
PAVEMENT

+06.13
32.58'

EXIST. R/W

STA. 1804+32.93 ℄ MCPHERSON ST=
STA. 0+00.41 ℄ GRANT AVE

(38)

MCNEEL, ALIX

SW¼ NW¼
22-46N-24W

(23)

JOHNSON, ROBERT D
& LOREVA M

1805

+79.01
29.10'

5' SIDEWALK

S.L.

3 STEP W/HANDRAIL

6" S-CURB

(D.N.D.)
TREE

EXIST R/W

T.C.E.

(D.N.D.)
SIGNS

PT STA 1805+34.67

(R)

(D.N.D.) PWR POLE

SPECIAL
DITCH RT2

S.L.

5' SIDEWALK

T.C.E.

PROPOSED R/W

+16.97
28.36'

12"X13' GROUP B PIPE
1-12" GROUP B F.E.S.

1'X4'X10' ROCK LINING

R&R

(R)

8" PAVED APPROACH RT
17.9' WIDE
STA. 1804+10.74
-5.38% GRADE

¼¼ SECTION LINE

(37)

KENNEDY, GLENN H
& MARLENE W

7" PAVED APPROACH LT.
11.9' WIDE
STA. 1805+40.04
8.40% GRADE

7" PAVED APPROACH LT.
9.8' WIDE
STA. 1805+51.62
9.57% GRADE

PI 1804+76.50
PC 1804+17.08
PT 1805+34.67
Δ 20°25'3.0" (RT)
D 17°21'44.5"
L 117.60' (ARC)
T 59.43'
R 330.00'

(36)

ANDERSON, REGINA ANN

(24)

BURRELL, SHERITA J

7" PAVED APPROACH LT.
16' WIDE
STA. 1806+39.03
8.25% GRADE

4 STEPS W/HANDRAIL

S.L.

5' SIDEWALK

TRIM TREE

¼¼ SECTION LINE

MCPHERSON STREET

(R)

S87°36'31"E

(D.N.D.) PWR POLE

5' SIDEWALK

2 STEPS W/HANDRAIL

T.C.E.

EXIST R/W

4" GRAVEL (A) OR
CRUSHED STONE (B)

8" PAVED APRROACH RT.
25.6' WIDE
STA. 1806+74.99
5.79% GRADE

(35)

SHETTERLY, VICTORA
& MATTHEW & LAURA, LEE

SE¼ NW¼
22-46N-24W

NE¼ NW¼
22-46N-24W

(25)

STONER, AARON P
& JENNIFER N

(D.N.D.) TREE

5' SIDEWALK

S.L.

(D.N.D.)
SIGNS

RELOCATE
(BY OTHERS)

(D.N.D.) TREE

5' SIDEWALK

S.L.

T.C.E.

5' SIDEWALK

(D.N.D.)
WV & FH

90°30'58"

8" PAVED APPROACH RT.
25' WIDE
STA. 1807+61.09
5.93% GRADE

BAGBY ST

7" PAVED APPROACH RT.
7.4' WIDE
STA. 1807+93.87
10.94% GRADE

STA. 1807+61.09 ℄ MCPHERSON ST=
STA. 0+00.00 ℄ BAGBY ST

STA. 1808+33.67 ℄ MCPHERSON ST=
STA. 0+00.00 ℄ CENTER ST

(34)

BOULAIS, MERLE
& CHARLOTTE R
& CLARENCE

(26)

ELWELL, LANCE
& SHANE

ASPHALT PAVEMENT
1.5" BP-2 OVER
4" BPBB BASE
4" AGGR. TYPE 1 AGGR.

FULL ASPALT REBUILD
STA. 1808+27.89

CENTER ST

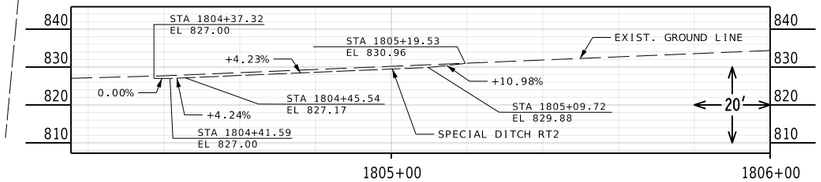
MATCHLINE STA. 1808+40.00

(R&R) SIGN

(R)

RELOCATE
(BY OTHERS)

SCALE
0 20 40 60



PLAN SHEET
SHEET 6 OF 13

REID BRENNEN CATT NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED 8/18/2026
ROUTE BU50/J
STATE MO
DISTRICT KC
SHEET NO. 9
COUNTY JOHNSON
JOB NO. J3P3202
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
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF AUTHORITY NO. 001592

LEGEND

- 4" CONCRETE SIDEWALK
- 8" CONCRETE SIDEWALK
- TRUNCATED DOMES

SEE SHEETS NO. 17-29
FOR RIGHT OF WAY DETAILS

(27) ELWELL, LANCE L & STERLING SHANE

(28) FOX, CHRISTOPHER L & YOLANDA

(29) FOX, CHRISTOPHER L & YOLANDA

(30) FOX, CHRISTOPHER L & YOLANDA

(31) KEARNEY, JEFF K & EMMA DIANA

NE¼ NW¼
22-46N-24W

MATCHLINE STA. 1808+40.00

TYPE B C&G
+41.39
29.99'
+75.28
19.00'
S.L.
6" S-CURB
6 STEPS W/HANDRAILS
TRIM TREE
8' SIDEWALK
(R&R)
5' SIDEWALK
ADJUST WATER VALVE (BY OTHERS)

1810

TYPE I DRWY LT.
4" GRAVEL SURFACE
10' WIDE
STA. 1810+12.56 LT.
-8.93% GRADE

TYPE I DRWY LT.
4" GRAVEL SURFACE
10' WIDE
STA. 1810+93.70 LT.
-6.38% GRADE

TYPE I DRWY LT.
7" CONC. SURFACE
31' WIDE
STA. 1811+23.74
-0.91% GRADE

4" GRAVEL (A) OR CRUSHED STONE (B)
EX. WOODEN SIDEWALK
(D.N.D.) TREES T.C.E.
T.C.E.
(R)
S.L.
8' SIDEWALK

(D.N.D.) WALL & FENCE
(D.N.D.) FLOWERS
+47.41
19.00'
(D.N.D.) TREE
(D.N.D.) WALL & FENCE
T.C.E.
EXIST. R/W
5' SIDEWALK
(D.N.D.) TREE
(D.N.D.) PLAY EQUIP.
(D.N.D.) TREE
(D.N.D.) PWR POLE
TRIM TREE
POT STA 1813+00.44
Δ= 0°2'48" RT

7" PAVED APPROACH LT.
12.5' WIDE
STA. 1812+88.75
3.84% GRADE

¼¼ SECTION LINE
S87°36'31"E
S87°33'43"E
℄ BUS. RTE. 50
MCPHERSON STREET

(D.N.D.) PWR POLE
(D.N.D.) HITCHING POST (U.I.P.)
(D.N.D.) PWR POLE
(D.N.D.) PWR POLE
5' SIDEWALK
EXIST. R/W
S.L.
5' SIDEWALK
EXIST. R/W

+01.96
24.00'
7" PAVED APPROACH RT.
11.2' WIDE
STA. 1809+81.81
2.11% GRADE

SUNSHINE LN

STA. 1810+13.54 ℄ MCPHERSON ST=
STA. 0+00.00 ℄ SUNSHINE LN

MATCHLINE STA. 1813+80.00

(33) RICHARDS, DANIEL & JULIE

BERTSCHY TRUST, PAUL J

THREADGILL FAMILY TRUST

FRAZON, JAMES J SR & JAMES J & MARIXENIA N

BEACH, AMANDA LESLIE

30' PRIVATE ROAD INGRESS/EGRESS EASEMENT

25' PRIVATE SEWER EASEMENT

SE¼ NW¼
22-46N-24W

SCALE
0 20 40 60

PLAN SHEET
SHEET 7 OF 13

REID BRENNEN CATT NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED 8/18/2026
ROUTE BU50/J
STATE MO
DISTRICT KC
SHEET NO. 10
COUNTY JOHNSON
JOB NO. J3P3202
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
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF AUTHORITY NO. 001592

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SEE SHEETS NO. 17-29
FOR RIGHT OF WAY DETAILS

LEGEND

4" CONCRETE SIDEWALK

TRUNCATED DOMES

7" PAVED APRROACH LT.
12' WIDE
STA. 1813+79.39
9.01% GRADE

7" PAVED APRROACH LT.
12.5' WIDE
STA. 1814+55.24
10.75% GRADE

(32)
GREEN, JACKSON

GREEVEBIESTER, RANDY R

1815

NE¼ NW¼
22-46N-24W

¼¼ SECTION LINE

MATCHLINE STA. 1813+80.00

S.L.
T.C.E.
5' SIDEWALK
(R)

S.L.
END SIDEWALK CONSTRUCTION
STA 1814+50.24
EXIST. R/W

END ADA CONSTRUCTION
STA. 1814+70.00 ℄ MCPHERSON ST=
STA. 1814+66.90 ℄ MCPHERSON ST=
LOG MILE 1.284

¼¼ SECTION LINE

END 1.5" MILL AND OVERLAY

℄ BUS. RTE. 50
MCPHERSON ST

S87°33'43"E

END PROJECT
LOG MILE 2.079

CP#5016

CP#5016

(R)

5' SIDEWALK

END SIDEWALK CONSTRUCTION
STA 1815+17.34

EXIST. R/W

SAPP, AARON M

CP#5016
STA. 1815+46.24, 23.87' LT.
℄ BUS 50
EL 836.27

FRAZON, JAMES J SR
& JAMES J
& MARIXENIA N

SCALE
0 20 40 60

SE¼ NW¼
22-46N-24W

PLAN SHEET
SHEET 8 OF 13

REID BRENNEN CATT
NUMBER PE-2010019516

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE BU50/J
STATE MO
DISTRICT KC
SHEET NO. 11
COUNTY JOHNSON
JOB NO. J3P3202
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
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592

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LEGEND

4" CONCRETE SIDEWALK

TRUNCATED DOMES

SEE SHEETS NO. 17-29
FOR RIGHT OF WAY DETAILS

CP#5047
STA. 654+19.05, 85.46' LT.
℄ STATE ST
EL 794.21

NW¼ NW¼
22-46N-24W

(57)
APR GROUP LLC

(58)
COPPER, C E JR
& A J & C E III

(59)
COPPER,
CHARLES E III

UMSTATTD TRUST,
KEVIN & KRISTY

8" PAVED APPROACH LT.
14.4' WIDE
STA. 656+31.31
5.268% GRADE
4" ASPHALT SURFACE

LUCAS ST
8" PAVED APPROACH RT.
30.8' WIDE
STA. 658+14.56 LT.
5.80% GRADE

655

ALLEY

4" GRAVEL A OR B
CRUSHED STONE B

S.L.

T.C.E.

(R)

4' SIDEWALK

BEGIN SIDEWALK CONSTRUCTION
STA 656+13.53

(D.N.D.)
SIGN

BEGIN CONSTRUCTION
STA 654+37.50=
LOG MILE 0.010

EXIST. R/W

RELOCATE PWR POLE
(BY OTHERS)

4" TALL
INTEGRAL CURB

EXIST. R/W

(D.N.D.) SIGNS

(D.N.D.) PULL BOX

(U.I.P.)

(D.N.D.)
BENCH

(D.N.D.)
SIGN

(D.N.D.) C&G

5' SIDEWALK

(D.N.D.)
CURB

20' UTILITIES EASM'T

(U.I.P.)

EXIST. R/W

℄ STATE STREET
ROUTE J

SECTION LINE

S02°33'05"W

BEGIN 1.5" MILL
AND OVERLAY

(D.N.D.) PWR POLE

(D.N.D.) PWR POLE

(U.I.P.)

(D.N.D.) SIGN

(D.N.D.) SIGN

BEGIN SIDEWALK CONSTRUCTION
STA 656+40.90

EXIST. R/W

T.C.E.

5' SIDEWALK

RELOCATE PWR POLE
(BY OTHERS)

+40.91
30.33'

(D.N.D.)
SIGN

5' SIDEWALK

T.C.E.

SAWCUT

+18.43
29.90'

+32.76
30.02'

(D.N.D.)
SIGN

+99.59
30.00'

1' CONCRETE SECTION
PAYED AS SIDEWALK

(D.N.D.)
FLAG POLE

1' CONCRETE SECTION
PAYED AS SIDEWALK

8" PAVED APPROACH RT.
14.3' WIDE
STA. 657+25.60
2.93% GRADE

8" PAVED APPROACH RT.
28' WIDE
STA. 658+13.16
7.45% GRADE

MATCHLINE STA. 659+40.00

BERTSCHY TRUST, PAUL J

DULANEY LLC

(56)
CITY OF
KNOB NOSTER

20' UTILITY EASEMENT

NE¼ NE¼
21-46N-24W

SCALE
0 20 40 60

PLAN SHEET
SHEET 9 OF 13

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	12

COUNTY
JOHNSON

JOB NO.
J3P3202

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
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592

LEGEND

4" CONCRETE SIDEWALK

TRUNCATED DOMES

SEE SHEETS NO. 17-29
FOR RIGHT OF WAY DETAILS

MATCHLINE STA. 659+40.00

UMSTATTD TRUST,
KEVIN & KRISTY

EXIST. R.R. R/W

660

20' UTILITIES EASM'T

END 1.5" MILL
AND OVERLAY
STA. 660+21.98

BEGIN 1.5" MILL AND OVERLAY
STA. 660+45.03

EXIST. R/W

℄ STATE STREET
ROUTE J

S02°33'05"W

SECTION LINE

5' SIDEWALK

S.L.

T.C.E.

(U.I.P.)

4' SIDEWALK

RAILROAD ST

8" PAVED APPROACH RT
30.7' WIDE
STA. 661+32.96
7.48% GRADE

(D.N.D.) PER POLE

(R&R)
SIGNS

SAWCUT

4' SIDEWALK

T.C.E.

5' SIDEWALK

S.L.

EXIST. R/W

NW¼ NW¼
22-46N-24W

HILLS, PAUL
& CHERYL M

TURNER, JACK L
& PATRICIA

(56)
CITY OF
KNOB NOSTER

EXIST. R.R. R/W

EXIST. R.R. R/W

(60)
MCCLURE,
CHRISTOPHER L

NE¼ NE¼
21-46N-24W

SCALE
0 20 40 60

PLAN SHEET
SHEET 10 OF 13

REID
BRENNEN CATT
NUMBER
PE-2010019516

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	13

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

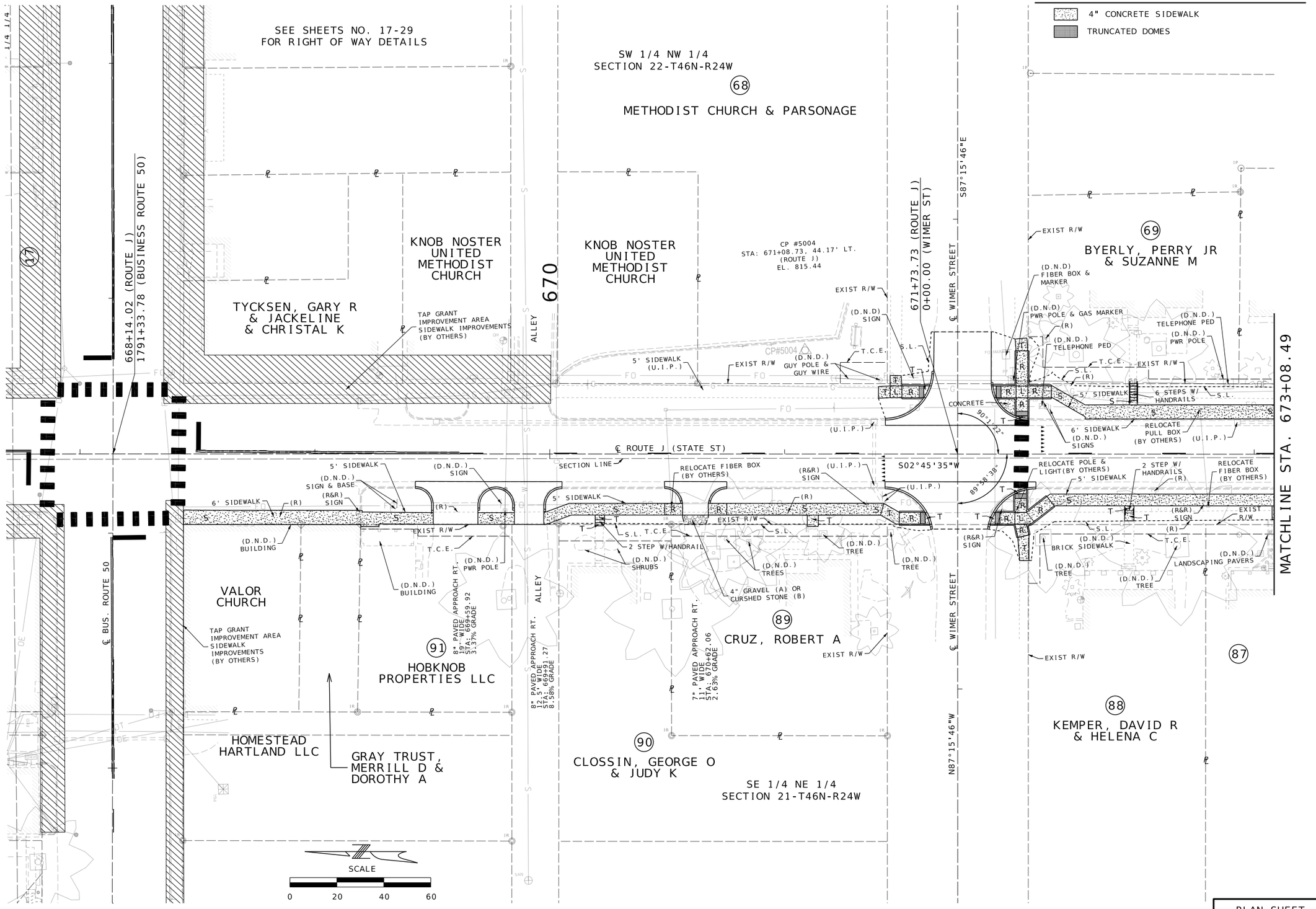
DESCRIPTION	DATE

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
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592



WILLIAM R. BUCK NUMBER PE-025272
STATE OF MISSOURI PROFESSIONAL ENGINEER

WILLIAM BUCK, P.E.
MISSOURI PE 025272

DATE PREPARED	8/20/2026
ROUTE	BU50/J
STATE	MO
DISTRICT	KC
SHEET NO.	14
COUNTY	JOHNSON
JOB NO.	J3P3202
CONTRACT ID.	-
PROJECT NO.	-
BRIDGE NO.	-

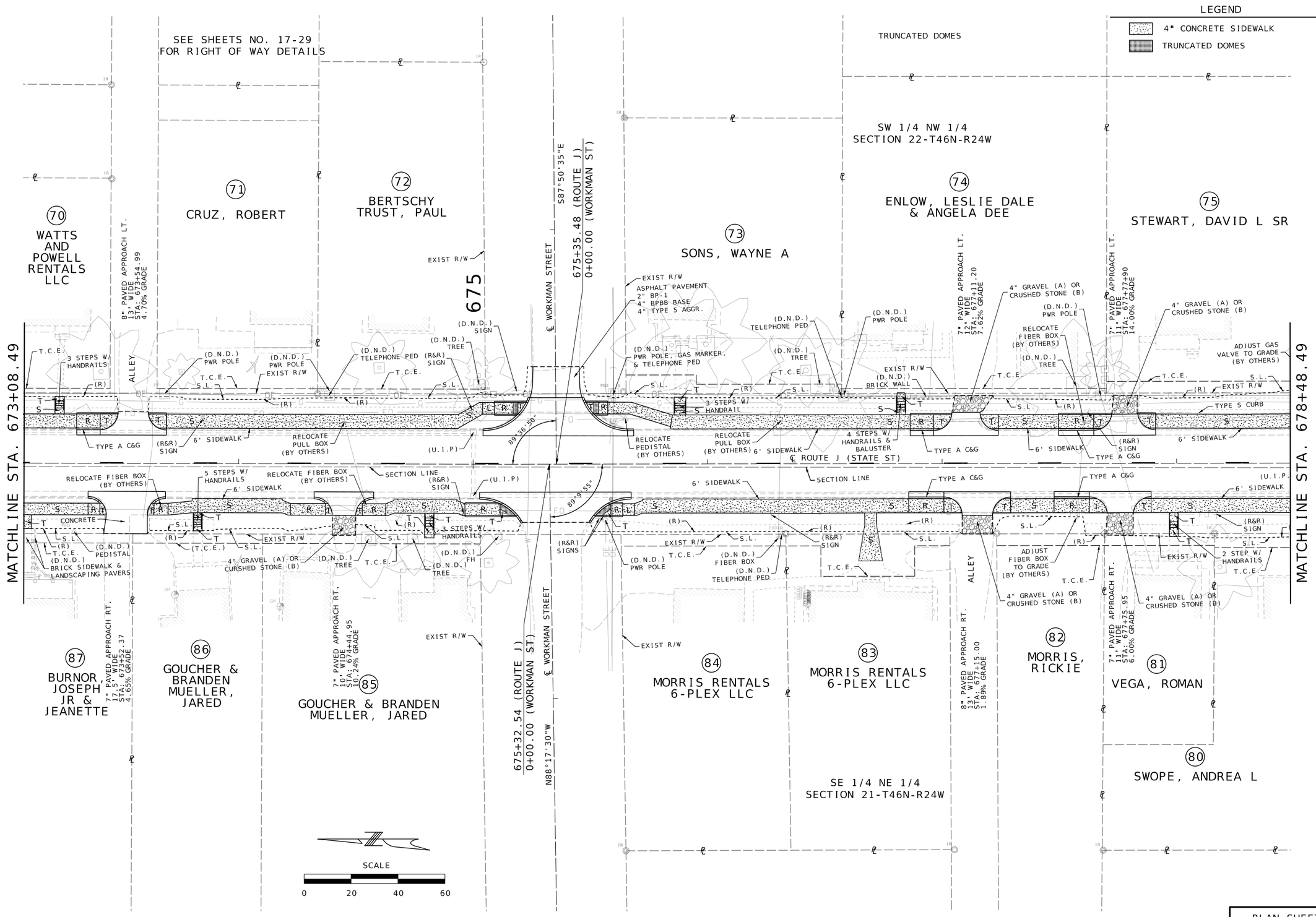
DESCRIPTION | DATE

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

POWELL CWM
ARCHITECTURE/ENGINEERING/SURVEYING
3200 S. State Route 291, Bldg. I, Independence, MO 64057
816.373.4000 | powellcwm.com
Certificates of Authority
Architecture: MO 310 / KS 73
Engineering: MO 4 / KS 241
Land Surveying: MO 133 / KS 36

PLAN SHEET
SHEET 11 OF 13

014_PP_11_J3P3202_I20.dgn 11:14:56 AM 8/20/2026



PLAN SHEET
SHEET 12 OF 13

WILLIAM R. BUCK NUMBER PE-025272
STATE OF MISSOURI PROFESSIONAL ENGINEER

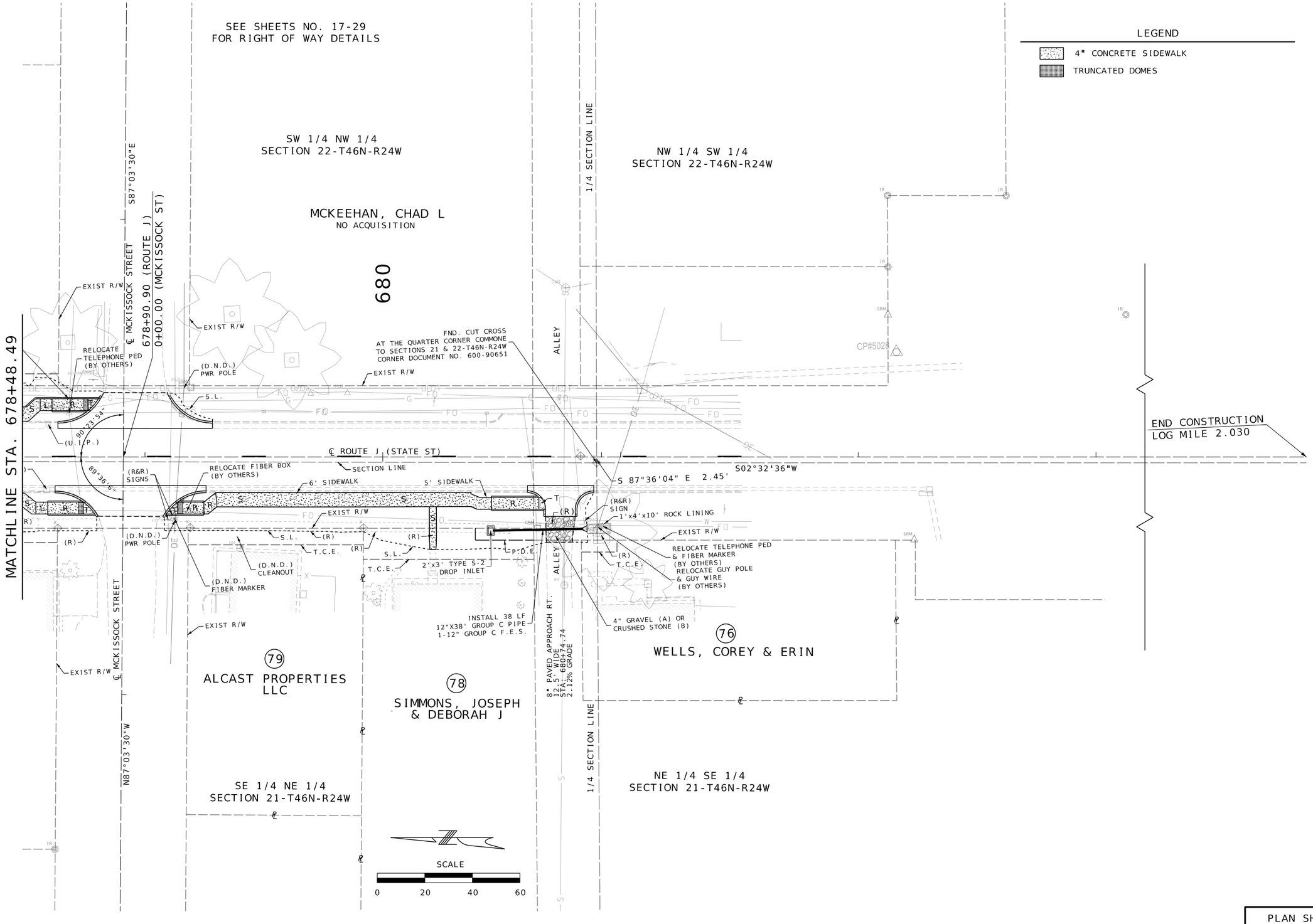
WILLIAM BUCK, P.E.
MISSOURI PE 025272

DATE PREPARED	8/20/2026
ROUTE	BU50/J
STATE	MO
DISTRICT	KC
SHEET NO.	15
COUNTY	JOHNSON
JOB NO.	J3P3202
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)

POWELL CWM
ARCHITECTURE/ENGINEERING/SURVEYING
3200 S. State Route 291, Bldg. I, Independence, MO 64057
816.373.4000 | powellcwm.com
Certificates of Authority
Architecture: MO 310 / KS 73
Engineering: MO 4 / KS 241
Land Surveying: MO 133 / KS 36



PLAN SHEET
SHEET 13 OF 13

WILLIAM R. BUCK
NUMBER PE-025272
PROFESSIONAL ENGINEER
STATE OF MISSOURI

WILLIAM BUCK, P.E.
MISSOURI PE 025272

DATE PREPARED
8/21/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	16

COUNTY
JOHNSON

JOB NO.
J3P3202

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)

POWELL CWM
ARCHITECTURE/ENGINEERING/SURVEYING
3100 S. Sunset Avenue, 2nd Bldg. 1, Independence, MO 64057
816.373.4000 | powellcwm.com

Certificates of Authority
Architecture: MO 318 / KS 31
Engineering: MO 4 / KS 241
Land Surveying: MO 123 / KS 36

SEE SHEETS NO. 4-16
FOR ROADWAY DETAILS

NW¼ NE¼
21-46N-24W

10' UTILITY EASEMENT

BRANT INVESTMENTS INC
NO ACQUISITION

STA. 1778+15.31 ℄ MCPHERSON ST
STA. 0+00.00 ℄ WASHINGTON ST N

1/2" REBAR AT THE QUARTER CORNER COMMON TO
SECTIONS 15 & 22 - T46N-R24W
DOCUMENT NO. 600-76037, 4,221.42' S73°46'16"W
TO BEGINNING OF PROJECT

PROJECT BEGINS AT A POINT APPROX. 1,179.79' NORTH
& 4,053.21' EAST OF THE QUARTER CORNER COMMON TO
SECTIONS 15 & 22 - T46N-R24W

EXIST. R/W

¼¼ SECTION LINE

BEGIN ADA CONSTRUCTION
STA. 1777+70.00 ℄ MCPHERSON ST=
STA. 1777+70.00 ℄ MCPHERSON ST=
LOG MILE 0.584

℄ BUS. RTE. 50 MCPHERSON ST
S87°02'01"E

BEGIN PROJECT
LOG MILE 0.447

STA. 1778+18.23 ℄ MCPHERSON ST=
STA. 0+00.00 ℄ WASHINGTON ST

EXIST. R/W

15' INGRESS/EGRESS EASEMENT

MOORE, NATHAN & MILES
NO ACQUISITION

N02°32'46"E

WASHINGTON ST

¼¼ SECTION LINE

S02°34'48"W

SW¼ NE¼
21-46N-24W

01
MORRIS RENTALS
4-PLEX LLC
294 SF TEMP. ESM'T.
0.18 AC REMAINING

NE¼ NE¼
21-46N-24W

02
SMIDT, MICHAEL A
1050 SF TEMP. ESM'T.
0.63 AC REMAINING

T.C.E.

1780

+45.09 30.00'
+45.05 35.00'
+03.86 35.00'
+03.86 30.00'
+13.79 30.00'
+13.77 35.00'

JEFFERSON AVE

STA. 1781+39.49 ℄ MCPHERSON ST=
STA. 0+00.00 ℄ JEFFERSON AVE

90°25'43"

89°36'49"

90°12'31"

+48.43 30.00'
+60.00 30.00'
+48.60 55.00'
+60.00 55.00'
+05.00 30.00'
+09.60 30.00'
+05.00 50.00'
+09.67 50.00'

55
MOORE, NATHAN H
287 SF TEMP. ESM'T.
0.19 AC REMAINING

54
THERING, EDWARD & JODIE
93 SF TEMP. ESM'T.
0.49 AC REMAINING

SCALE
0 20 40 60

SE¼ NE¼
21-46N-24W

JEFFERSON AVE
S02°45'28"W

MATCHLINE STA. 1781+40.00

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

STATION AND OFFSETS FOR NEW RIGHT OF WAY, PERMANENT EASEMENTS AND TEMPORARY EASEMENTS ARE FROM EXISTING MCPHERSON ST & STATE STREET CENTERLINE CHAIN.

NEW RIGHT OF WAY LIMITS FOR THIS PROJECT EXTEND FROM STA. 1798+24.43 TO STA. 1805+00.00 MCPHERSON ST, A DISTANCE OF 0.13 MILES, PERMANENT EASEMENTS FROM STA. 1779+16.80 TO STA. 1798+30.00 MCPHERSON ST, A DISTANCE OF 0.003 MILES, TEMPORARY EASEMENTS FROM STA. 1778+45.01 TO STA. 1814+66.50 MCPHERSON ST, A DISTANCE OF 0.69 MILES, TEMPORARY EASEMENTS STA. 656+10.00 TO STA. 680+98.55 STATE STREET, A DISTANCE OF 0.47 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 GRID NORTH OF THE MISSOURI STATE PLANE COORDINATE SYSTEM, WEST ZONE, NAD-83.

MCPHERSON ST PLAN SHEETS ARE BASED OFF MCPHERSON ℄ CHAIN & MCPHERSON ST RW PLAN SHEETS ARE BASED OFF MCPHERSON EXISTING ℄ CHAIN.

RIGHT OF WAY
SHEET 1 OF 13

REID BRENNEN CATT NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	17

COUNTY
JOHNSON

JOB NO.
J3P3202

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
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF AUTHORITY NO. 001592

SEE SHEETS NO. 4-16
FOR ROADWAY DETAILS

NE¼ NE¼
21-46N-24W

N02°49'34"E

JEFFERSON AVE

LEE, JACKIE S
NO ACQUISITION

LEE, JOHN D
& JACKIE S
NO ACQUISITION

BASHRUM,
TOMMY J
NO ACQUISITION

SWISHER, EUGENE F

N02°48'40"E

MADISON AVE

07
ELWELL, STEVE & SANDRA
1548 SF TEMP. ESM'T.
0.27 ACRES REMAINING

08
ELOD, SATURN
811 SF TEMP. ESM'T.
0.27 ACRES REMAINING

MATCHLINE STA. 1781+40.00

MATCHLINE STA. 1786+80.00

¼¼ SECTION LINE

℄ BUS. RTE. 50
MCPHERSON ST
S87°02'01"E

STA. 1781+43.86 ℄ MCPHERSON ST=
STA. 0+00.00 ℄ JEFFERSON AVE

STA. 1784+73.79 ℄ MCPHERSON ST=
STA. 0+00.00 ℄ MADISON AVE

STA. 1784+72.93 ℄ MCPHERSON ST=
STA. 0+00.00 ℄ MADISON AVE

POT STA 1785+05.14
Δ= 0°8'8" RT
S87°10'09"E

90°01'25"

90°9'19"

89°52'50"

1785

+03.71 30.00'
+03.66 46.00'
+05.11 30.00'
+76.23 46.00'
+76.23 52.00'
+93.89 52.00'
+93.90 39.00'
+93.91 30.00'

T.C.E.

EXIST. R/W

+69.60 30.00'
+69.62 35.00'
+60.75 35.00'
+60.73 30.00'
+31.62 35.00'
+31.62 35.00'
+31.61 30.00'
+87.31 35.00'
+87.31 35.00'
+87.30 30.00'
+43.00 35.00'
+42.99 30.00'

+02.99 30.00'
+03.00 34.40'
+03.03 50.00'
+05.14 30.00'
+12.92 39.00'
+10.44 30.00'
+70.75 39.00'
+70.75 34.00'
+70.75 30.00'

DRAINAGE ESM'T

53
FARRAR, LYDIA
456 SF TEMP. ESM'T.
0.29 ACRES REMAINING

52
MINES, ALISON
ELIZABETH
354 SF TEMP. ESM'T.
0.23 ACRES REMAINING

51
HUNDSON,
KRISTAPHER
278 SF TEMP. ESM'T.
0.18 ACRES REMAINING

50
HUNDSON,
KRISTAPHER
278 SF TEMP. ESM'T.
0.18 ACRES REMAINING

49
PALOMO, FRANK E
649 SF TEMP. ESM'T.
17 SF PERM. DRAINAGE ESM'T
0.22 ACRES REMAINING

48
FIRST CHRISTIAN
CHURCH OF KN
814 SF TEMP. ESM'T.
0.65 ACRES REMAINING

CONTRACTOR SHALL BE
RESPONSIBLE FOR MAINTAINING
ACCESS TO THE PROPERTY
AT ALL TIMES.

SCALE
0 20 40 60

SE¼ NE¼
21-46N-24W

S02°05'49"W

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	18

COUNTY
JOHNSON

JOB NO.
J3P3202

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
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592

RIGHT OF WAY
SHEET 2 OF 13

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SEE SHEETS NO. 4-16
FOR ROADWAY DETAILS

NE¼ NE¼
21-46N-24W

NW¼ NW¼
22-46N-24W

N02°44'14"E

EASEMENT FOR
EQUIPMENT STATION
BOOK 1193, PAGE 284

09
RITE TIME
CONSTRUCTION LLC
NO ACQUISITION

MATTHEWS,
MARY ANN
324 SF TEMP. ESM'T.
0.11 ACRES REMAINING

11
LILE, BRADLEY
& CHRISTINA
1094 SF TEMP. ESM'T.
0.28 ACRES REMAINING

12
HUNTSMAN,
ROGER D
85 SF TEMP. ESM'T.
0.04 ACRES REMAINING

HENRY,
JOHN W
NO ACQUISITION

MONROE AVE

1790

EXIST. R/W

KENDRICK TRUST,
SHIRLEY S
NO ACQUISITION

SECTION LINE

S02°33'05"W

SCHOONOVER &
JOSEPH E
ECCLETON,
DUANE J
NO ACQUISITION

EXIST. R/W

NORTH STATE
STREET LLC
NO ACQUISITION

¼¼ SECTION LINE

℄ ROUTE J (STATE ST)

+84.02 39.00'
+84.03 30.00'
+20.08 30.00'
+20.07 39.00'
+34.15 40.00'
+34.16 30.00'
+34.98 35.00'
+34.98 40.00'
+49.12 35.00'
+55.07 30.00'
+69.09 35.00'
+69.09 30.00'

T.C.E.

MATCHLINE STA. 1786+80.00

MATCHLINE STA. 1792+20.00

℄ BUS. RTE. 50 S87°10'09"E

MCPHERSON ST

STA. 1791+33.78 ℄ MCPHERSON ST=
STA. 668+14.02 (STATE ST)

89°54'24"

90°1'11"

90°28'26"

STA. 1788+04.21 ℄ MCPHERSON ST=
STA. 0+00.00 ℄ N. MONROE AVE=
STA. 0+00.00 ℄ S. MONROE AVE

EXIST. R/W

T.C.E.

+74.22 30.00'
+74.22 34.00'

EXIST. R/W

48
FIRST
CHRISTIAN
CHURCH OF KN
SEE SHEET NO 18

MONROE AVE

SMRV
ENTERPRISES LLC

WARD, IAN R
& HEATHER N
NO ACQUISITION

JOHNSON,
BRADLEY
NO ACQUISITION

VALOR CHURCH
NO ACQUISITION

GRAY TRUST,
MERRILL D &
DOROTHY A
NO ACQUISITION

91
HOBKNOB
PROPERTIES LLC
SEE SHEET XX

S02°48'40"W

S02°45'35"W

SECTION LINE

℄ ROUTE J (STATE ST)

TYCKSEN,
GARY R &
JACKELINE &
CHRISTAL K
NO ACQUISITION

EXIST. R/W

SE¼ NE¼
21-46N-24W

SW¼ NW¼
22-46N-24W

SCALE
0 20 40 60

670

RIGHT OF WAY
SHEET 3 OF 13

REID
BRENNEN CATT
NUMBER
PE-2010019516

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	19

COUNTY
JOHNSON

JOB NO.
J3P3202

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
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592

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SEE SHEETS NO. 4-16
FOR ROADWAY DETAILS

NW¼ NW¼
22-46N-24W

STARK AND
STARK LLC
NO ACQUISITION

BAPTIST CHURCH
NO ACQUISITION

13
FIRST BAPTIST
CHURCH OF KNOB NOSTER
820 SF TEMP. ESM'T.
0.27 ACRES REMAINING

14
DAVIDSON TRUST
820 SF TEMP. ESM'T.
0.27 ACRES REMAINING

15
LOCKARD,
GLORIA
410 SF TEMP. ESM'T.
0.14 ACRES REMAINING

16
JENNINGS,
BRYAN R
& LINDA S
& PATRICK B
410 SF TEMP. ESM'T.
0.14 ACRES REMAINING

MATCHLINE STA. 1792+20.00

EXIST/ R/W

S02°41'49"W
ADAMS AVE

1795

+93.74
39.00'
+93.77
30.00'

¼¼ SECTION LINE

+84.79
39.00'
+84.84
30.00'

T.C.E.

+75.84
39.00'
+75.92
30.00'

+21.36
39.00'
+21.45
30.00'

EXIST/ R/W

POT STA 1792+68.94
Δ= 0°2'25" LT

STA. 1794+62.86 ℄ MCPHERSON ST=
STA. 3+40.68 ℄ ADAMS AVE

90°10'27"

S87°10'09"E

℄ BUS. RTE. 50

MCPHERSON ST

S87°07'44"E

MATCHLINE STA. 1797+60.00

EXIST/ R/W

+93.97
35.00'
+93.95
30.00'

T.C.E.

+67.19
35.00'
+67.21
45.00'

+84.21
45.00'
+84.20
39.00'
+84.18
30.00'

EXIST/ R/W

+74.29
30.00'
+74.31
39.00'
+74.30
35.00'

+83.00
39.00'
+83.00
35.00'

+94.00
39.00'
+94.00
35.00'

+52.76
35.00'
+53.05
60.00'

WILLIAMS,
STEVEN E
& JEAN C M
NO ACQUISITION

KNOB NOSTER
UNITED
METHODIST
NO ACQUISITION

SCHROEDER, JASON
& WILLIAM
NO ACQUISITION

BURTON,
CHRISTOPHER
THOMAS
NO ACQUISITION

S02°41'49"W
ADAMS AVE

46
SCHROEDER, JASON
& WILLIAM
621 SF TEMP. ESM'T.
0.29 ACRES REMAINING

45
LEFT TURN
INVESTMENTS LLC
811 SF TEMP. ESM'T.
0.29 ACRES REMAINING

44
CROMER, SANDRA S
& GEORGE A
783 SF TEMP. ESM'T.
0.28 ACRES REMAINING

SW¼ NW¼
22-46N-24W

SCALE
0 20 40 60

RIGHT OF WAY
SHEET 4 OF 13

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	20

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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olsson
1301 BURLINGTON STREET, SUITE 100
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AUTHORITY NO. 001592

SEE SHEETS NO. 4-16
FOR ROADWAY DETAILS

NW¼ NW¼
22-46N-24W

(17)
SENIOR, LEE ROBERTSON
& KATHERINE LORRAINE
875 SF TEMP. ESM'T.
0.31 ACRES REMAINING

(18)
REGAN, PAMELA M
900 SF TEMP. ESM'T.
0.35 ACRES REMAINING

(19)
PARRISH, PATRICIA A
790 SF TEMP. ESM'T.
0.23 ACRES REMAINING

NW¼ NW¼
22-46N-24W

(20)
JACKSON,
STEVEN & DEBORAH
208 SF TEMP. ESM'T.
0.25 ACRES REMAINING

(21)
FLEISCHER, ROXANNA J
1071 SF TEMP. ESM'T.
0.76 ACRES REMAINING

JACKSON AVE

LINCOLN AVE

MATCHLINE STA. 1797+60.00

MATCHLINE STA. 1803+00.00

1800

TEMP. CONST. ESMT.
+66.89 39.00'
+66.99 30.00'
+17.00 30.00'
+16.80 47.00'
+25.00 47.00'
+25.00 39.00'
+30.00 30.00'
T.C.E.
EXIST. R/W
+06.89 39.00'
¼¼ SECTION LINE
+07.00 30.00'
+06.89 39.00'
+07.00 30.00'
T.C.E.
+94.76 30.00'
+94.75 39.00'
+54.76 33.00'
+54.76 30.00'
T.C.E.
+23.25 30.00'
+23.25 33.00'
+23.25 44.00'
T.C.E.
EXIST. R/W

STA. 1797+92.35 ℄ MCPHERSON ST=
STA. 3+41.09 ℄ JACKSON AVE
S87°07'44"E
℄ BUS. RTE. 50
MCPHERSON ST
STA. 1801+22.35 ℄ MCPHERSON ST=
STA. 0+00.00 ℄ LINCOLN AVE N.=
STA. 0+00.00 ℄ LINCOLN AVE S.

+64.40 30.00' 90°40'34"
90°22'44"
90°40'39"
EQUATION:
STA 1801+99.00 BK =
STA 1802+00.00 AHD

+64.45 60.00'
T.C.E.
+24.40 30.00'
+24.43 50.00'
+35.00 50.00'
+35.00 39.00'
EXIST. R/W
T.C.E.
+14.62 39.00'
+14.65 30.00'
+03.69 39.00'
+03.68 30.00'
+94.61 39.00'
+94.65 30.00'
+54.63 35.00'
+54.65 30.00'
T.C.E.
EXIST. R/W
+43.06 35.00'
+43.06 35.00'
+43.06 30.00'
+87.78 35.00'
+87.76 30.00'
T.C.E.

(43)
HACKER, ROBERT V JR
& MOLLY A
928 SF TEMP. ESM'T.
0.29 ACRES REMAINING

(42)
GILIO, ALEX & ASHLEY
801 SF TEMP. ESM'T.
0.28 ACRES REMAINING

JOSH DENHAM
CONSTRUCTION LLC

(40)
DEWITT, ANTHONY
447 SF TEMP. ESM'T.
0.28 ACRES REMAINING

(39)
JEFFERSON,
BRIAN C &
LAUREN A
224 SF TEMP. ESM'T
0.14 ACRES REMAINING

SCALE
0 20 40 60

SW¼ NW¼
22-46N-24W

SW¼ NW¼
22-46N-24W

RIGHT OF WAY
SHEET 5 OF 13

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	21

COUNTY
JOHNSON

JOB NO.
J3P3202

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
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592

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SEE SHEETS NO. 4-16
FOR ROADWAY DETAILS

NW¼ NW¼
22-46N-24W

NE¼ NW¼
22-46N-24W

SW¼ NW¼
22-46N-24W

SE¼ NW¼
22-46N-24W

(22) TUTTLE & ELIZABETH E
JUERGENS, LINDA E
689 SF TEMP. ESM'T.
0.47 ACRES REMAINING

(23) JOHNSON, ROBERT D
& LOREVA M
1148 SF TEMP. ESM'T.
0.39 ACRES REMAINING

(24) BURRELL, SHERITA J
1083 SF TEMP. ESM'T.
0.52 ACRES REMAINING

(25) STONER, AARON P
& JENNIFER N
1026 SF TEMP. ESM'T.
0.55 ACRES REMAINING

(26) ELWELL, LANCE
& SHANE
827 SF TEMP. ESM'T.
0.33 ACRES REMAINING

(38) MCNEEL, ALIX
401 SF TEMP. ESM'T.
0.39 ACRES REMAINING

(37) KENNEDY, GLENN H
& MARLENE W
258 SF NEW R/W
388 SF TEMP. ESM'T.
0.20 ACRES REMAINING

ANDERSON, REGINA ANN
NO ACQUISITION

(35) SHETTERLY, VICTORA
& MATTHEW & LAURA, LEE
619 SF TEMP. ESM'T.
0.92 ACRES REMAINING

(34) BOULAIS, MERLE
& CHARLOTTE R
& CLARENCE
249 SF TEMP. ESM'T.
0.39 ACRES REMAINING

GRANT AVE
CENTER ST
BAGBY ST
MCPHERSON STREET S87°36'31"E
¼¼ SECTION LINE
EQUATION
STA 1805+84.10 BK = STA 1805+83.65 AH
MATCHLINE STA. 1803+00.00
MATCHLINE STA. 1808+40.00
PI STA 1804+77.35
Δ 15°38'05"
PI STA 1803+33.30
Δ 15°9'18"
℄ BUS. RTE. 50
N71°58'26"E
S87°07'44"E
68°17'16"
69°39'35"
90°30'58"
90°0'0"
STA. 1804+35.49 ℄ MCPHERSON ST=
LOG MILE 1.089=
STA. 0+00.00 ℄ GRANT AVE
STA. 1804+34.91 ℄ MCPHERSON ST=
STA. 0+00.00 ℄ GRANT AVE
STA. 1807+63.65 ℄ MCPHERSON ST=
STA. 0+00.00 ℄ BAGBY ST
STA. 1808+33.67 ℄ MCPHERSON ST=
STA. 0+00.00 ℄ CENTER ST
PROPOSED R/W
EXIST R/W
EXIST. R/W
T.C.E.
PRIVATE UTILITY EASEMENT
SCALE
0 20 40 60

+99.73 40.00'
+99.75 30.00'
+27.77 30.00'
+56.39 34.00'
+91.93 29.00'
+30.29 30.00'
+31.88 34.00'
+62.58 30.00'
+67.77 43.04'
+68.42 30.00'
+48.50 37.00'
+48.41 25.00'
+39.28 37.00'
+39.26 36.00'
+39.02 25.00'
+32.46 36.00'
+32.29 25.00'
+07.66 36.00'
+07.49 25.00'
+40.72 24.79'
+99.00 35.18'
+16.50 34.87'
+36.93 35.00'
+43.28 40.90'
+25.02 67.13'
+53.22 45.07'
+55.00 40.40'
+97.11 38.00'
+97.14 33.45'
+42.03 34.90'
+42.02 30.90'
+82.02 30.19'
+82.04 40.00'
+07.04 40.00'
+92.98 30.00'
+07.02 30.00'

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516
DATE PREPARED 8/18/2026
ROUTE BU50/J
STATE MO
DISTRICT KC
SHEET NO. 22
COUNTY JOHNSON
JOB NO. J3P3202
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
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CERTIFICATE OF AUTHORITY NO. 001592

RIGHT OF WAY
SHEET 6 OF 13

F:\2023\05001-05500\023-05302\40-Design\Microstation\023-05302 J3P3202\plan_sheets\05 Right of Way\022_RW_06_J3P3202_120.dgn 8:20:44 AM 8/18/2026

SEE SHEETS NO. 4-16
FOR ROADWAY DETAILS

NE¼ NW¼
22-46N-24W

(27) ELWELL, LANCE L & STERLING SHANE
1257 SF TEMP. ESM'T.
0.72 ACRES REMAINING

(28) FOX, CHRISTOPHER L & YOLANDA
560 SF TEMP. ESM'T.
0.26 ACRES REMAINING

(29) FOX, CHRISTOPHER L & YOLANDA
686 SF TEMP. ESM'T.
0.80 ACRES REMAINING

(30) FOX, CHRISTOPHER L & YOLANDA
1,912 SF TEMP. ESM'T.
3.12 ACRES REMAINING

(31) KEARNEY, JEFF K & EMMA DIANA
902 SF TEMP. ESM'T.
0.56 ACRES REMAINING

MATCHLINE STA. 1808+40.00

+57.49 25.00'
+57.65 35.00'
+83.17 25.00'
+83.35 35.00'
+39.18 25.00'
+39.36 35.00'
+07.92 35.00'
+07.74 25.00'
+99.02 25.00'
+99.20 34.99'

T.C.E.
EXIST. R/W

1810

¼¼ SECTION LINE

S87°36'31"E

℄ BUS. RTE. 50 MCPHERSON STREET

POT STA 1813+03.00
Δ= 0°2'48" RT

S87°33'43"E

MATCHLINE STA. 1813+80.00

SUNSHINE LN

RICHARDS, DANIEL & JULIE
NO ACQUISITION

BERTSCHY TRUST, PAUL J
NO ACQUISITION

THREADGILL FAMILY TRUST
NO ACQUISITION

FRAZON, JAMES J SR & JAMES J & MARIXENIA N
NO ACQUISITION

BEACH, AMANDA LESLIE
NO ACQUISITION

30' PRIVATE ROAD INGRESS/EGRESS EASEMENT

25' PRIVATE SEWER EASEMENT

SE¼ NW¼
22-46N-24W

SCALE
0 20 40 60

RIGHT OF WAY
SHEET 7 OF 13

REID BRENNEN CATT NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	23

COUNTY
JOHNSON

JOB NO.
J3P3202

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
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF AUTHORITY NO. 001592

SEE SHEETS NO. 4-16
FOR ROADWAY DETAILS

GREEVEBIESTER, RANDY R
NO ACQUISITION

NE¼ NW¼
22-46N-24W

1815

32
GREEN, JACKSON
765 SF TEMP. ESM'T.
0.26 ACRES REMAINING

+89.43
35.00'
+89.26
25.00'
T.C.E.

+65.95
35.00'
+65.77
25.00'
EXIST. R/W

STA. 1813+80.00
MATCHLINE STA. 1813+80.00

END ADA CONSTRUCTION
STA. 1814+70.00 ℄ MCPHERSON ST=
STA. 1814+66.90 ℄ MCPHERSON ST=
LOG MILE 1.284

¼¼ SECTION LINE

℄ BUS. RTE. 50
MCPHERSON ST

S87°33'43"E

¼¼ SECTION LINE

END PROJECT
LOG MILE 2.079

CP#5016

(R)
EXIST. R/W

FRAZON, JAMES J SR
& JAMES J
& MARIXENIA N
NO ACQUISITION

SAPP, AARON M
NO ACQUISITION

SE¼ NW¼
22-46N-24W

SCALE
0 20 40 60

RIGHT OF WAY
SHEET 8 OF 13

REID BRENNEN CATT NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	24

COUNTY
JOHNSON

JOB NO.
J3P3202

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
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NORTH KANSAS CITY, MO 64116
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CERTIFICATE OF
AUTHORITY NO. 001592

SEE SHEETS NO. 4-16
FOR ROADWAY DETAILS

NW¼ NW¼
22-46N-24W

(57)
APR GROUP LLC
64 SF TEMP. ESM'T.
0.56 ACRES REMAINING

(58)
COPPER, C E JR
& A J & C E III
913 SF TEMP. ESM'T.
0.14 ACRES REMAINING

(59)
COPPER,
CHARLES E III
978 SF TEMP. ESM'T.
0.14 ACRES REMAINING

UMSTATTD TRUST,
KEVIN & KRISTY
NO ACQUISITION

655

+10.00 / 35.00' T.C.E.
+10.00 / 40.00'
+22.71 / 40.00'
+22.71 / 35.00' ALLEY
+42.71 / 35.00'
+42.68 / 48.12'
+12.68 / 47.97'
+12.71 / 35.00'
+82.71 / 35.00'
+77.68 / 47.84'
+77.64 / 62.84'
+82.64 / 62.83'

EXIST. R/W
T.C.E.
LUCAS ST
20' UTILITY EASEMENT

BEGIN SIDEWALK CONSTRUCTION
STA 656+13.53
EXIST. R/W

BEGIN CONSTRUCTION
STA 654+37.50=
LOG MILE 0.010

SECTION LINE
S02°33'05"W
℄ STATE STREET
ROUTE J

BEGIN 2" MILL
AND OVERLAY

BEGIN SIDEWALK CONSTRUCTION
STA 656+40.90

EXIST. R/W
EXIST. R/W
EXIST. R/W

+42.88 / 30.00'
+42.90 / 35.00'
T.C.E.
EXIST. R/W

MATCHLINE STA. 659+40.00

LUCAS ST

DULANEY LLC
NO ACQUISITION

20' UTILITY EASEMENT

BERTSCHY TRUST, PAUL J
NO ACQUISITION

(56)
CITY OF
KNOB NOSTER
1218 SF TEMP. ESM'T.
0.89 ACRES REMAINING

SCALE
0 20 40 60

NE¼ NE¼
21-46N-24W

RIGHT OF WAY
SHEET 9 OF 13

REID BRENNEN CATT NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	25

COUNTY
JOHNSON

JOB NO.
J3P3202

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
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592

F:\2023\05001-05500\023-05302\40-Design\Microstation\023-05302 J3P3202\plan_sheets\05 Right of Way\025_RW_09_J3P3202_l20.dgn 9:25:57 AM 8/18/2026

SEE SHEETS NO. 4-16
FOR ROADWAY DETAILS

MATCHLINE STA. 659+40.00

UMSTATTD TRUST,
KEVIN & KRISTY

EXIST. R.R. R/W

660

20' UTILITES ESM'T

RAILROAD ST

EXIST. R.R. R/W

NW¼ NW¼
22-46N-24W

HILLS, PAUL
& CHERYL M
NO ACQUISITION

EXIST. R/W

END 2" MILL
AND OVERLAY
STA. 660+21.98

BEGIN 2" MILL AND OVERLAY
STA. 660+45.03

℄ STATE STREET
ROUTE J

SECTION LINE

S02°33'05"W

+78.28
35.00'

+78.09
30.00'

T.C.E.

+64.96
30.00'

+64.95
32.00'

T.C.E.

+24.95
32.00'

+24.96
30.00'

EXIST. R/W

TURNER, JACK L
& PATRICIA
NO ACQUISITION

(56)
CITY OF
KNOB NOSTER
SEE SHEET 9 OF 13

EXIST. R.R. R/W

EXIST. R.R. R/W

RAILROAD ST

(60)
MCCLURE,
CHRISTOPHER L
120 SF TEMP. ESM'T.
0.22 ACRES REMAINING

NE¼ NE¼
21-46N-24W

SCALE
0 20 40 60

RIGHT OF WAY
SHEET 10 OF 13

REID
BRENNEN CATT
NUMBER
PE-2010019516

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	26

COUNTY
JOHNSON

JOB NO.
J3P3202

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
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592

LEGEND

4" CONCRETE SIDEWALK

TRUNCATED DOMES

SEE SHEETS NO. 4-16
FOR ROADWAY DETAILS

SW 1/4 NW 1/4
SECTION 22-T46N-R24W

(68)
METHODIST CHURCH & PARSONAGE
180 SF TEMP. ESM'T.
0.75 ACRES REMAINING

(67)

668+14.02 (ROUTE J)
1791+33.78 (BUSINESS ROUTE 50)

KNOB NOSTER UNITED METHODIST CHURCH
NO ACQUISITION

TYCKSEN, GARY R & JACKELINE & CHRISTAL K
NO ACQUISITION

TAP GRANT IMPROVEMENT AREA SIDEWALK IMPROVEMENTS BY OTHERS

ALLEY

670

KNOB NOSTER UNITED METHODIST CHURCH
NO ACQUISITION

EXIST R/W

+23.72 30.00'
+23.71 39.00'
T.C.E.
+43.72 30.00'
+43.72 39.00'
671+73.73 (ROUTE J)
0+00.00 (WIMER ST)
℄ WIMER STREET
S87°15'46"E

(69)
BYERLY, PERRY JR & SUZANNE M
517 SF TEMP. ESM'T.
0.17 ACRES REMAINING

+03.71 50.00'
+10.00 50.00'
+03.72 30.00'
+10.00 37.00'
+55.00 37.00'
+55.00 32.00'
+93.41 30.00'
+93.43 32.00'

℄ ROUTE J

SECTION LINE

S02°45'35"W

90°1'22"

89°58'38"

STA. 673+08.49
MATCHLINE

℄ BUS. ROUTE 50

VALOR CHURCH
NO ACQUISITION

TAP GRANT IMPROVEMENT AREA SIDEWALK IMPROVEMENTS BY OTHERS

+19.44 30.00'
+19.41 32.00'
+43.89 32.00'
+43.84 35.00'
T.C.E.
+83.90 30.00'
+83.90 35.00'

(91)
HOBKNOB PROPERTIES LLC
249 SF TEMP. ESM'T.
0.12 ACRES REMAINING

+03.90 37.00'
+03.90 30.00'
+51.74 30.00'
+51.76 37.00'
+51.74 35.00'

(89)
CRUZ, ROBERT A
460 SF TEMP. ESM'T.
0.19 ACRES REMAINING

+43.75 30.00'
+43.75 35.00'

+03.76 55.00'
+08.76 55.00'
+03.75 30.00'
+08.75 34.00'
+79.40 30.00'
+79.40 34.00'

(87)

HOMESTEAD HARTLAND LLC
NO ACQUISITION

GRAY TRUST, MERRILL D & DOROTHY A
NO ACQUISITION

(90)
CLOSSIN, GEORGE O & JUDY K
335 SF TEMP. ESM'T.
0.24 ACRES REMAINING

SE 1/4 NE 1/4
SECTION 21-T46N-R24W

N87°15'46"W

(88)
KEMPER, DAVID R & HELENA C
408 SF TEMP. ESM'T.
0.35 ACRES REMAINING

SCALE
0 20 40 60

RIGHT OF WAY
SHEET 11 OF 13

WILLIAM R. BUCK NUMBER PE-025272
STATE OF MISSOURI PROFESSIONAL ENGINEER

WILLIAM BUCK, P.E.
MISSOURI PE 025272

DATE PREPARED
8/21/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	27

COUNTY
JOHNSON

JOB NO.
J3P3202

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)

POWELL CWM
ARCHITECTURE/ENGINEERING/SURVEYING
3200 S. State Route 291, Bldg. I, Independence, MO 64057
816.373.4000 | powellcwm.com
Certificates of Authority
Architecture: MO 330 / KS 73
Engineering: MO 4 / KS 241
Land Surveying: MO 333 / KS 36

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SEE SHEETS NO. 4-16
FOR ROADWAY DETAILS

LEGEND
- 4" CONCRETE SIDEWALK
- TRUNCATED DOMES

STA. 673+08.49

MATCHLINE STA. 678+48.49

(70) WATTS AND POWELL RENTALS LLC
103 SF TEMP. ESM'T.
0.11 ACRES REMAINING

(71) CRUZ, ROBERT
137 SF TEMP. ESM'T.
0.21 ACRES REMAINING

(72) BERTSCHY TRUST, PAUL
143 SF TEMP. ESM'T.
0.23 ACRES REMAINING

(73) SONS, WAYNE A
488 SF TEMP. ESM'T.
0.25 ACRES REMAINING

(74) ENLOW, LESLIE DALE & ANGELA DEE
226 SF TEMP. ESM'T.
0.35 ACRES REMAINING

(75) STEWART, DAVID L SR
467 SF TEMP. ESM'T.
0.29 ACRES REMAINING

SW 1/4 NW 1/4
SECTION 22-T46N-R24W

℄ WORKMAN STREET
S87°50'35"E
675+35.48 (ROUTE J)
0+00.00 (WORKMAN ST)

℄ ROUTE J
SECTION LINE
EXIST R/W
ALLEY
T.C.E.
89°36'50"
89°9'55"

(87) BURNOR, JOSEPH JR & JEANETTE
302 SF TEMP. ESM'T.
0.35 ACRES REMAINING

(86) GOUCHER & BRANDEN MUELLER, JARED
222 SF TEMP. ESM'T.
0.21 ACRES REMAINING

(85) GOUCHER & BRANDEN MUELLER, JARED
371 SF TEMP. ESM'T.
0.49 ACRES REMAINING

675+32.54 (ROUTE J)
0+00.00 (WORKMAN ST)
℄ WORKMAN STREET
N88°17'30"W

(83) MORRIS RENTALS 6-PLEX LLC
1,221 SF TEMP. ESM'T.
0.43 ACRES REMAINING

SE 1/4 NE 1/4
SECTION 21-T46N-R24W

(82) MORRIS, RICKIE
230 SF TEMP. ESM'T.
0.28 ACRES REMAINING

(81) VEGA, ROMAN
235 SF TEMP. ESM'T.
0.10 ACRES REMAINING

(80) SWOPE, ANDREA L
282 SF TEMP. ESM'T.
0.20 ACRES REMAINING

SCALE
0 20 40 60

RIGHT OF WAY
SHEET 12 OF 13

WILLIAM R. BUCK NUMBER PE-025272
STATE OF MISSOURI PROFESSIONAL ENGINEER
WILLIAM BUCK, P.E.
MISSOURI PE 025272

DATE PREPARED
8/21/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	28

COUNTY
JOHNSON

JOB NO.
J3P3202

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)

POWELL CWM
ARCHITECTURE/ENGINEERING/SURVEYING
3200 S. Sante Avenue, 291, Bldg. 1, Independence, MO 64057
816.373.4000 | powellcwm.com
Certificate of Authority
Architecture: MO 318 / KS 31
Engineering: MO 4 / KS 241
Land Surveying: MO 123 / KS 36

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LEGEND

4" CONCRETE SIDEWALK

TRUNCATED DOMES

SEE SHEETS NO. 4-16
FOR ROADWAY DETAILS

SW 1/4 NW 1/4
SECTION 22-T46N-R24W

NW 1/4 SW 1/4
SECTION 22-T46N-R24W

MCKEEHAN, CHAD L
NO ACQUISITION

680

1/4 SECTION LINE

ALLEY

S87°03'30"E

℄ MCKISSOCK STREET

678+90.90 (ROUTE J)
0+00.00 (MCKISSOCK ST)

MATCHLINE STA. 678+48.49

EXIST R/W

+63.65
35.00'

+63.61
30.00'

EXIST R/W

EXIST R/W

90°23'54"

℄ ROUTE J — SECTION LINE

END ADA CONSTRUCTION
STA. 680+92.00=
LOG MILE 0.518

S 87°36'04" E 2.49

S02°32'36"W

END CONSTRUCTION
LOG MILE 2.030

89°36'6"

EXIST R/W

FND. CUT CROSS
AT THE QUARTER CORNER COMMON
TO SECTION 21 & 22-T46N-R24 W
CORNER DOCUMENT NO. 600-90651

T.C.E.

P.D.E.

T.C.E.

+63.19
30.00'

+63.15
36.00'

+18.19
30.00'

+18.15
37.00'

+91.92
30.00'

+91.87
37.00'

+91.83
43.00'

+38.93
30.00'

+38.93
35.00'

+63.50
30.00'

+63.55
35.00'

+63.63
43.00'

+83.55
35.00'

+98.55
35.00'

+83.60
40.00'

+98.55
40.00'

EXIST R/W

EXIST
R/W

℄ MCKISSOCK STREET

N87°03'30"W

(79)
ALCAST PROPERTIES
LLC
516 SF TEMP. ESM'T.
0.20 ACRES REMAINING

(78)
SIMMONS, JOSEPH
& DEBORAH J
932 SF TEMP. ESM'T.
123 SF PERM. DRAINAGE ESM'T.
0.29 ACRES REMAINING

(76)
WELLS, COREY & ERIN
75 SF TEMP. ESM'T.
0.20 ACRES REMAINING

SE 1/4 NE 1/4
SECTION 21-T46N-R24W

NE 1/4 SE 1/4
SECTION 21-T46N-R24W

1/4 SECTION LINE

ALLEY

SCALE
0 20 40 60

RIGHT OF WAY
SHEET 13 OF 13

STATE OF MISSOURI
PROFESSIONAL ENGINEER
WILLIAM R. BUCK
NUMBER
PE-025272

WILLIAM BUCK, P.E.
MISSOURI PE 025272

DATE PREPARED
8/21/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	29

COUNTY
JOHNSON

JOB NO.
J3P3202

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)

POWELL CWM
ARCHITECTURE/ENGINEERING/SURVEYING
3200 S. State Route 291, Bldg. I, Independence, MO 64057
816.373.4000 | powellcwm.com

Certificates of Authority
Architecture: MO 310 / KS 73
Engineering: MO 4 / KS 341
Land Surveying: MO 133 / KS 36

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 WEST
HORIZONTAL DATUM	NAD 1983
VERTICAL DATUM	NAVD 1988
GEOID MODEL	JOHNSON COUNTY
ELEVATIONS DETERMINED BY	GPS OBSERVATIONS
PROJECT PROJECTION FACTOR	1.00000810

REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM	NAD 1983
CONTROL STATION	JO-41
DESIGNATION	JO-41
CORS_ID	
PID	101041
LATITUDE	38°45'28.53444"
LONGITUDE	93°32'02.98380"
NORTHING (M)	288020.569
EASTING (M)	933947.33
ZONE	WEST
PROJECT AVERAGE GRID FACTOR	0.99999190

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

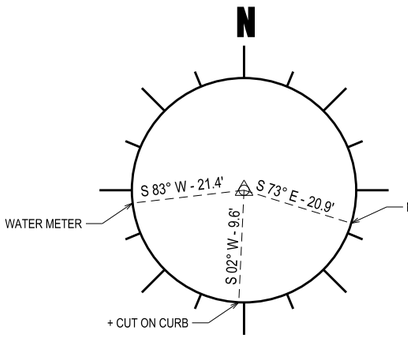
EXAMPLE: CONTROL POINT #5028
N 946064.12 X 0.99999190 = N 946056.46
E 3057717.59 X 0.99999190 = E 305715.11

LINEAR UNIT CONVERSION

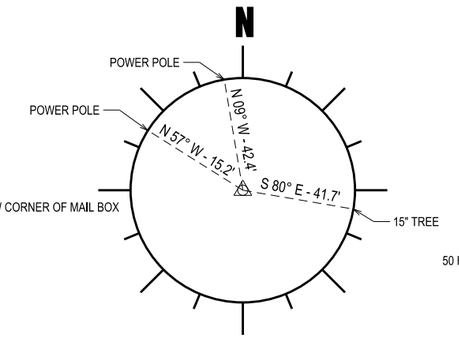
1 METER = 3.280833333 US SURVEY FEET (USFT)

COORDINATE POINT LISTING

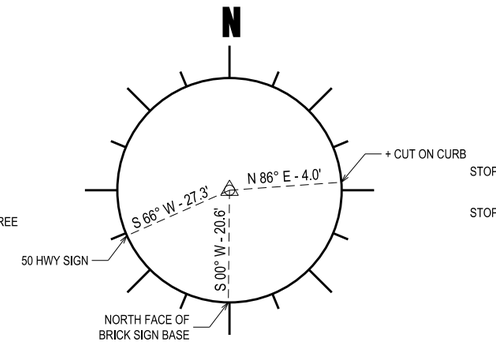
SHEET NO	STATION	LOCATION	OFFSET (USFT)	MODIFIED STATE PLANE (GROUND) NORTHING (US SURVEY FT)	EASTING (US SURVEY FT)	ELEVATION (US SURVEY FT)	DESCRIPTION	GPK POINT ID
PROJECT CONTROL POINTS								
16	682+16.07	STATE ST	44.18 LT	946,064.12	3,057,717.59	767.33	CONTROL - GPS 5028	
14	671+08.73	STATE ST	44.17 LT	947,170.13	3,057,768.21	815.44	CONTROL - GPS 5004	
11	1815+46.24	BUS 50	23.87 RT	947,382.54	3,060,140.77	836.27	CONTROL - GPS 5016	
12	654+19.05	STATE ST	85.46 LT	948,856.41	3,057,885.75	794.21	CONTROL - GPS 5047	
	1775+88.66	BUS 50	24.68 RT	947,520.46	3,056,193.89	791.48	CONTROL - GPS 5048	
ALIGNMENTS								
℄ BUS. ROUTE 50/MCPHERSON ST								
17	1768+40.00	℄		947,583.8437	3,055,447.5063		BEGIN ALIGNMENT BUS. ROUTE 50	
18	1785+05.14	℄		947,497.6761	3,057,110.4180		PI POINT Δ= 0°8'6" RT.	
20	1792+68.94	℄		947,459.9546	3,057,873.2856		PI POINT Δ= 0°2'24" LT.	
22	1802+00.00	℄		947,413.3200	3,058,803.1746		EQ. 1802+00.00 BK. = 1801+99.00 AH.	
22	1803+34.30	℄		947,406.5932	3,058,937.3061		PI POINT Δ= 20°53'49" LT.	
22	1804+78.35	℄		947,451.1686	3,059,074.2830		PI POINT Δ= 20°25'01" RT.	
22	1805+83.65	℄		947,446.7329	3,059,180.4930		EQ. 1805+83.65 BK. = 1805+84.10 AH.	
23	1813+03.55	℄		947,416.7357	3,059,898.7643		PI POINT Δ= 0°2'49" RT.	
	1825+85.31	℄		947,362.2109	3,061,179.3707		END ALIGNMENT BUS. ROUTE 50	
℄ BUS. ROUTE 50/MCPHERSON ST								
4	1768+40.00	℄		947,583.8437	3,055,447.5063		BEGIN ALIGNMENT BUS. ROUTE 50	
5	1785+05.14	℄		947,497.6761	3,057,110.4180		PI POINT Δ= 0°8'6" RT.	
7	1792+68.94	℄		947,459.9546	3,057,873.2856		PI POINT Δ= 0°2'24" LT.	
9	1803+34.30	℄		947,406.5932	3,058,937.3061		PI POINT Δ= 20°53'49" LT.	
9		℄		947,860.1849	3,058,876.9652		CC POINT	
9	1804+15.44	℄		947,432.2727	3,059,016.2174		PT POINT	
9	1804+17.08	℄		947,432.7785	3,059,017.7716		PC POINT	
9	1804+76.50	LT	5.31	947,451.1686	3,059,074.2830		PI POINT	
9		℄		947,118.9762	3,059,119.8899		CC POINT	
9	1805+34.67	℄		947,448.6888	3,059,133.6597		PT POINT	
10	1813+00.44	℄		947,416.7357	3,059,898.7643		PI POINT Δ= 0°2'49" RT.	
	1825+82.21	℄		947362.2109	3,061,179.3707		END ALIGNMENT BUS. ROUTE 50	
℄ ROUTE J/STATE STREET								
	653+85.30	℄		948,893.9314	3,057,801.8811		BEGIN ALIGNMENT ROUTE J	
28	668+14.02	℄		947,466.6300	3,057,738.2837		PI POINT Δ= 0°12'32" RT.	
28	675+08.64	℄		946,772.8185	3,057,704.8380		PI POINT Δ= 0°13'01" LT.	
	688+13.58	℄		945,469.1686	3,057,646.9344		END ALIGNMENT ROUTE J	



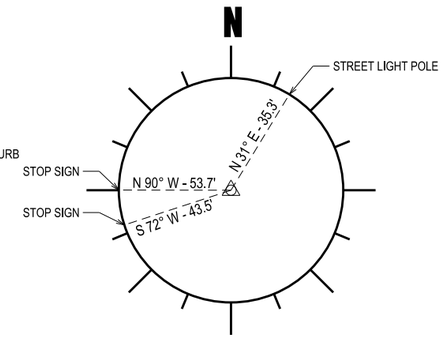
CP#5048 - SET 1/2" REBAR WITH 2" ALUMINUM CONTROL POINT CAP
ELEVATION = 791.48



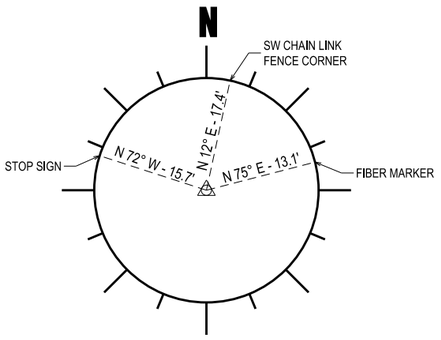
CP#5016 - SET 1/2" REBAR WITH 2" ALUMINUM CONTROL POINT CAP
ELEVATION = 836.27



CP#5004 - SET 1/2" REBAR WITH 2" ALUMINUM CONTROL POINT CAP
ELEVATION = 815.44



CP#5047 - SET 1/2" REBAR WITH CONTROL POINT CAP ELEVATION = 794.21



CP#5028 - SET + CUT
ELEVATION = 767.33

COORDINATE POINT SHEET
SHEET 1 OF 1

REID BRENNEN CATT
NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED 8/18/2026
ROUTE BU50/J
STATE MO
DISTRICT KC
SHEET NO. 30
COUNTY JOHNSON
JOB NO. J3P3202
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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

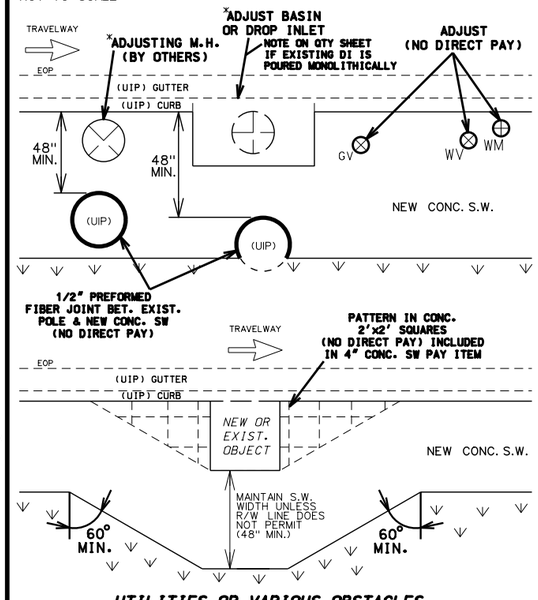
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

olsson
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
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.
14. IF THERE IS NO EXISTING CURB & GUTTER, OFFSET THE EOP 2.5' BEFORE CONSTRUCTING ANY CURBING, RAMP OR SIDEWALK.

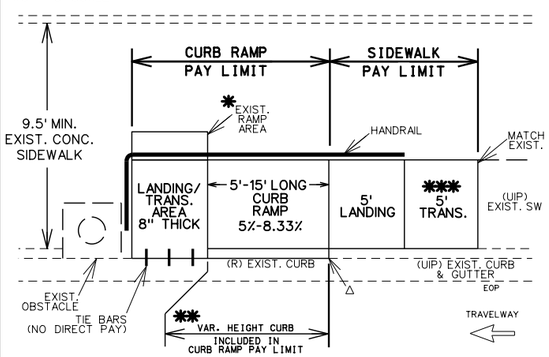
NOT TO SCALE



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: 2025-06-24



△ MATCH EXIST CURB

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

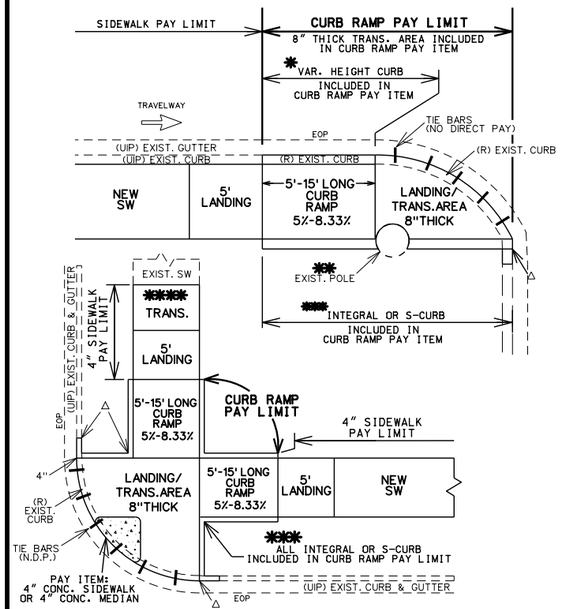
** VAR. HEIGHT CURB ALONG ROADSIDE MAY BE CONSTRUCTED MONOLITHIC OR SEPERATE DEPENDING ON CONST. OPERATIONS.

*** TRANSITION PANEL(S) TO BLEND CROSS SLOPE DISCREPENCY WARP RATE NOT TO EXCEED 0.5% PER FT

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

CURB RAMP - IN EXISTING 9.5'+ WIDE SW

PAY LIMITS



△ 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.

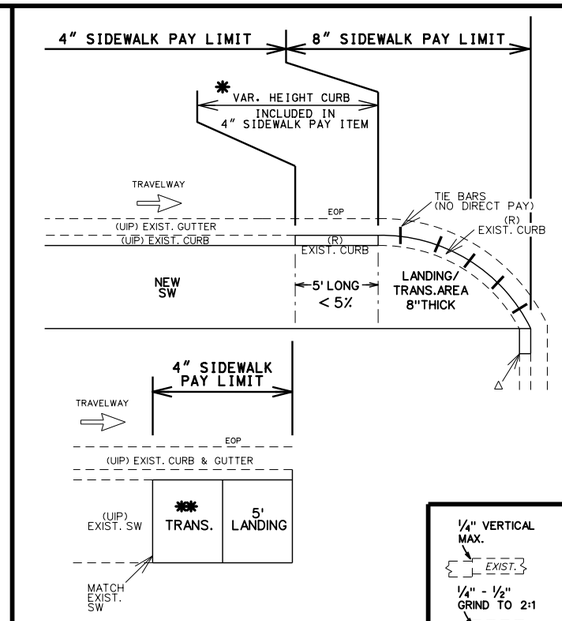
**** TRANSITION PANEL(S) TO BLEND CROSS SLOPE DISCREPENCY WARP RATE NOT TO EXCEED 0.5% PER FT

CURB RAMP

PAY LIMITS

WHEN RAMP AREA IS LONGER THAN 5'AND BETW. 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).

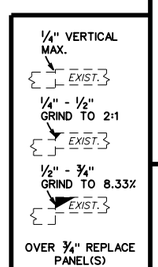
** TRANSITION PANEL(S) TO BLEND CROSS SLOPE DISCREPENCY WARP RATE NOT TO EXCEED 0.5% PER FT

SIDEWALK

PAY LIMITS

WHEN RAMP AREA IS LESS THAN 5% GRADE. IT IS CONSIDERED SIDEWALK

NOT TO SCALE

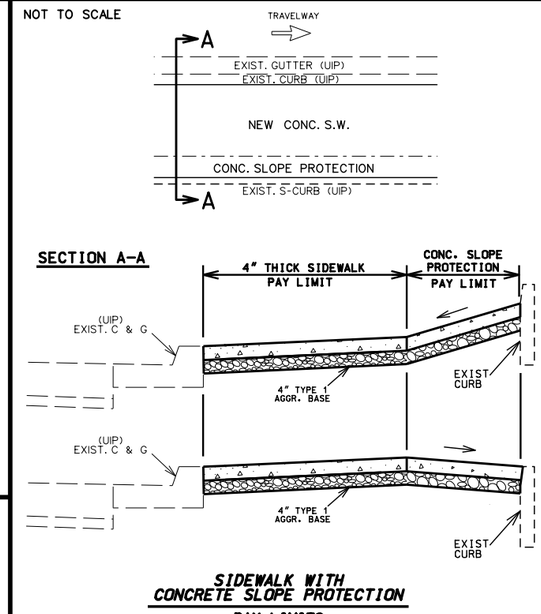


OVER 3/4" REPLACE PANEL(S)

JOINT GRINDING

TRIP HAZARDS 622-99.03

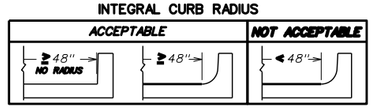
NOT TO SCALE



SIDEWALK WITH CONCRETE SLOPE PROTECTION

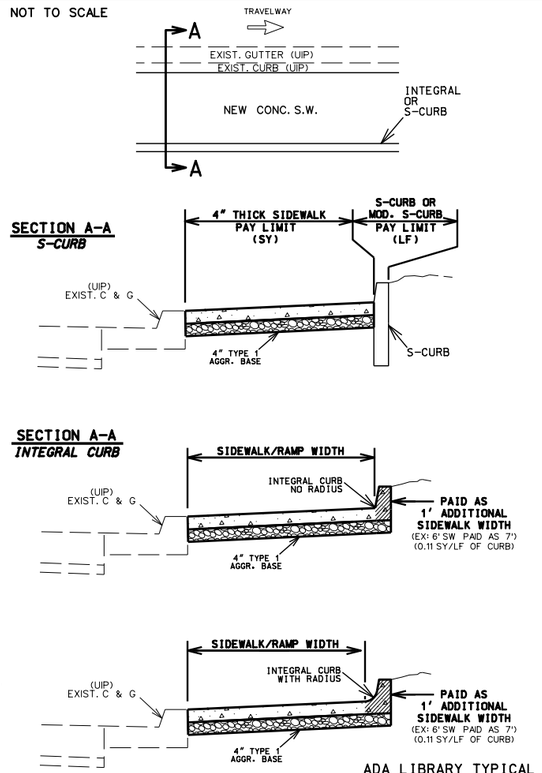
PAY LIMITS

INTEGRAL CURB RADIUS



SECTION A-A
INTEGRAL CURB WITH RADIUS

NOT TO SCALE



ADA LIBRARY TYPICAL

SIDEWALK & RAMP WITH CURB

PAY LIMITS

SPECIAL SHEET
SHEET 1 OF 38

REID BRENNEN CATT NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED: 8/18/2026
ROUTE: BU50/J | STATE: MO
DISTRICT: KC | SHEET NO.: 31
COUNTY: JOHNSON
JOB NO.: J3P3202
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
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF AUTHORITY NO. 001592

REVISED: 2025-05-30

TYPE 1-A											
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-B											
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-C											
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-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	–	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-E											
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	

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

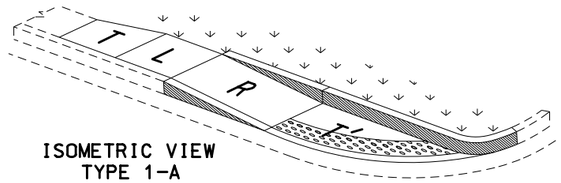
- CURB RAMP PAY LIMITS

- SOD SLOPE 6:1 MIN.

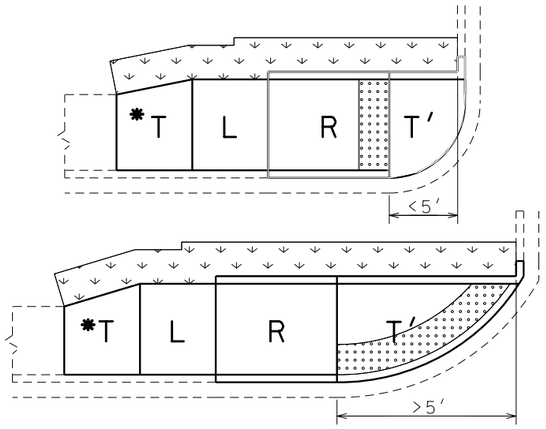
- TRUNCATED DOME LOCATION IF DIST. IS <5′ OR >5′

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

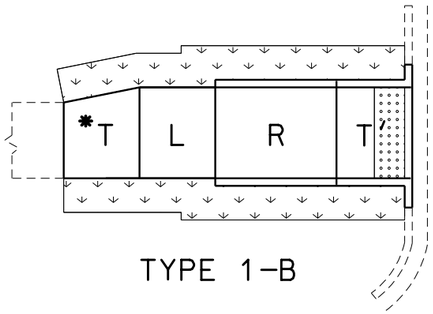
NOTE:
QUANTITIES ARE CALCULATED BY AREA AND MAY NOT MATCH EXACT FIELD CONDITIONS.



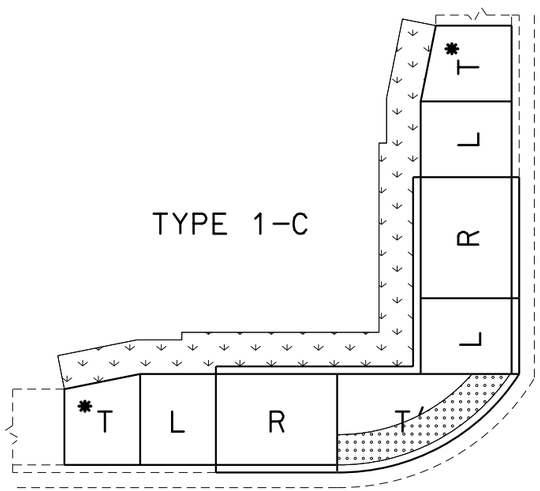
ISOMETRIC VIEW
TYPE 1-A



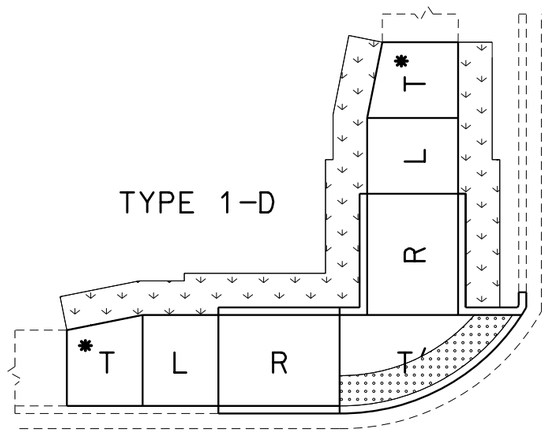
TYPE 1-A



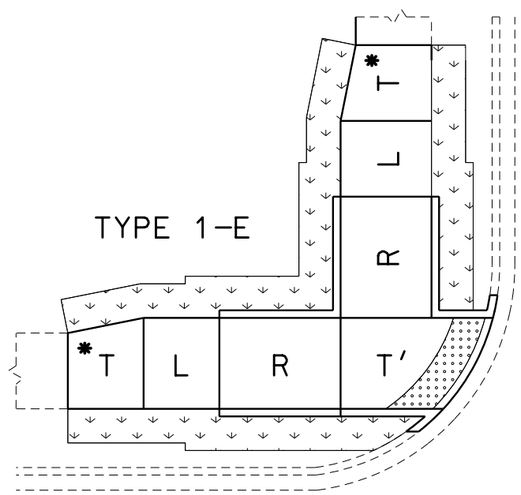
TYPE 1-B



TYPE 1-C



TYPE 1-D



TYPE 1-E

ADA LIBRARY TYPICAL

TYPE 1

PERPENDICULAR CURB RAMPS

SPECIAL SHEET
SHEET 2 OF 38

REID BRENNEN CATT NUMBER PE-2010019516

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	32

COUNTY
JOHNSON

JOB NO.
J3P3202

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
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592

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	

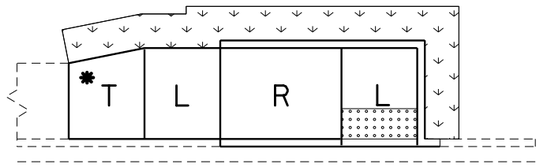
TYPE 2-E

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

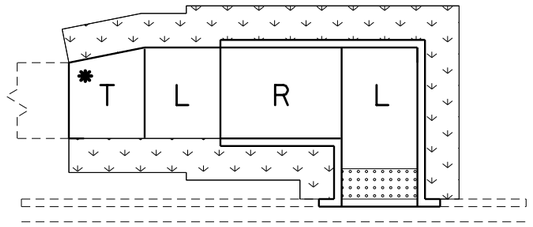
TYPE 2-F

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

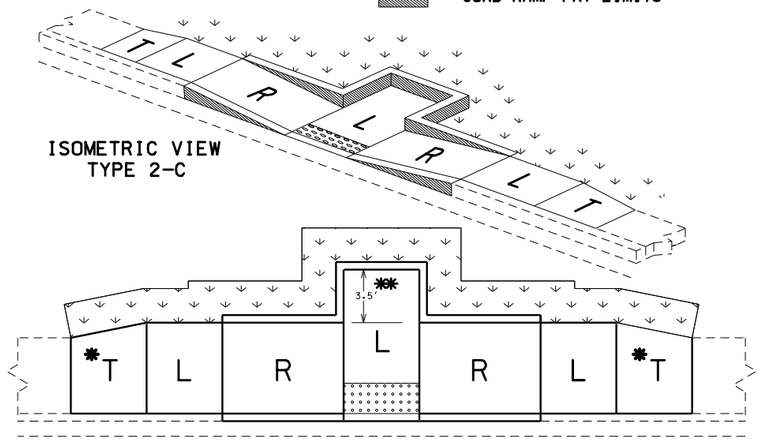
NOTE:
QUANTITIES ARE CALCULATED BY AREA AND MAY NOT MATCH EXACT FIELD CONDITIONS.



TYPE 2-A



TYPE 2-B



ISOMETRIC VIEW
TYPE 2-C

TYPE 2-C

** 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

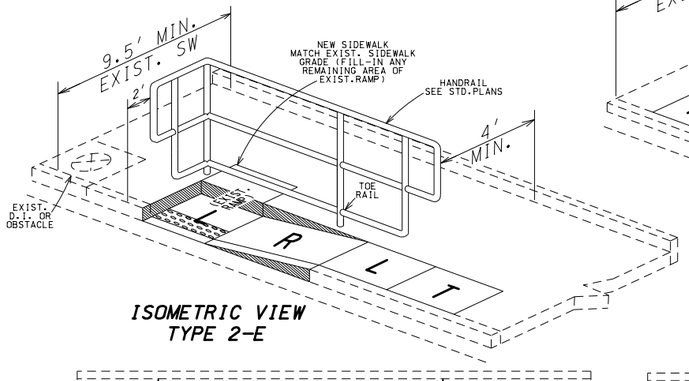
* – T IS STILL NEEDED EVEN IF THE EXISTING SIDEWALK IS THE SAME WIDTH AS THE NEW SIDEWALK. (IT WILL BLEND THE EXIST XSLOPE INTO THE NEW LANDING XSLOPE)

L – LANDING

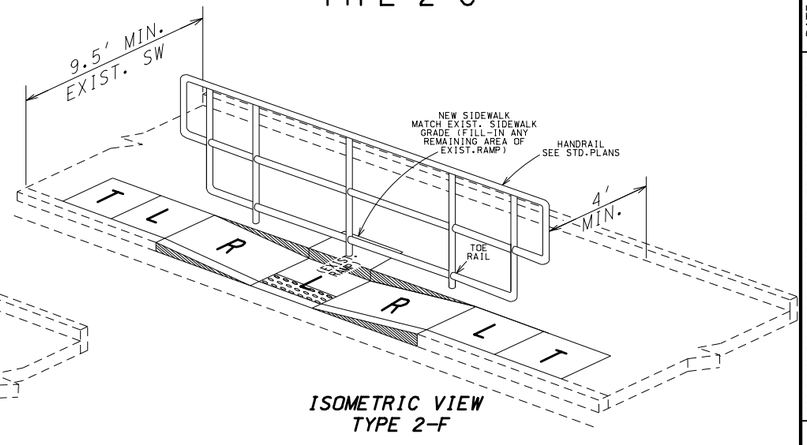
R – RAMP

– SOD SLOPE 6:1 MIN.

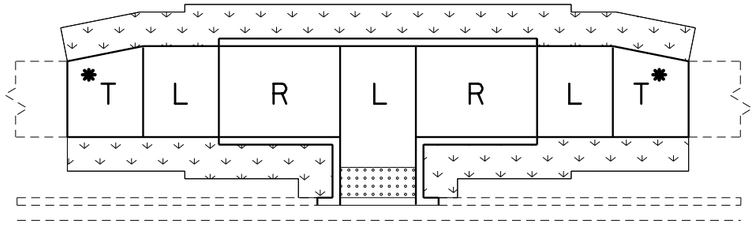
– CURB RAMP PAY LIMITS



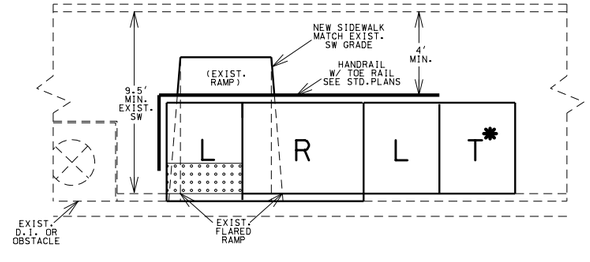
ISOMETRIC VIEW
TYPE 2-E



ISOMETRIC VIEW
TYPE 2-F



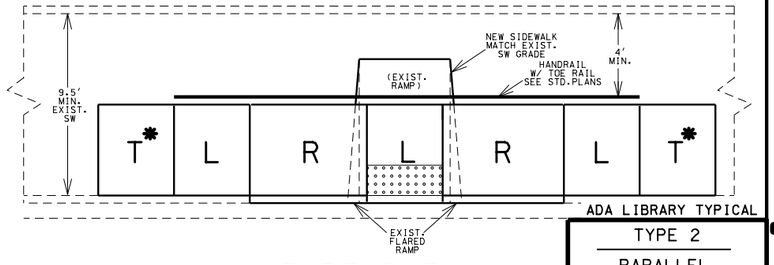
TYPE 2-D



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



ADA LIBRARY TYPICAL

TYPE 2-F

SEE STANDARDS FOR HANDRAIL SPECS

TYPE 2
PARALLEL
CURB RAMPS

SPECIAL SHEET
SHEET 3 OF 38

REVISED: 2025-05-30

REID BRENNEN CATT NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	33

COUNTY
JOHNSON

JOB NO.
J3P3202

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
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592

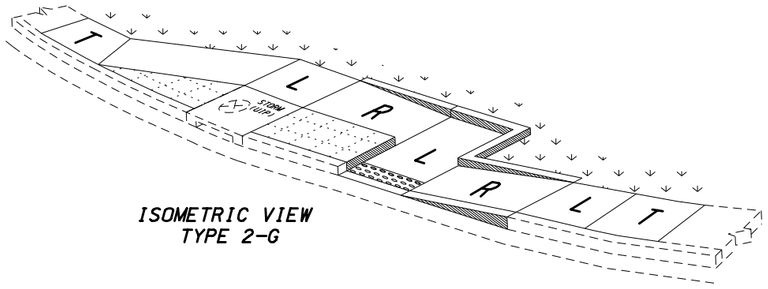
PARALLEL – TYPE 2 (cont'd.)

TYPE 2-G

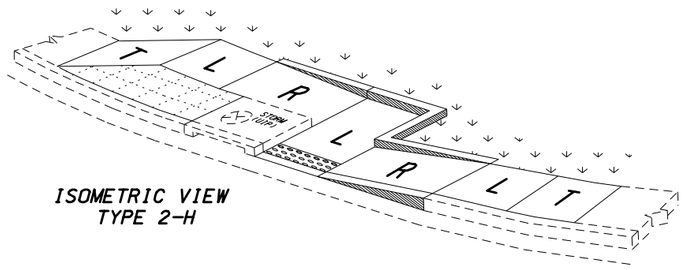
LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	–	12.0	12.0	–	10.0	10.0	–	10.0	10.0	
CURB RAMP SY	–	15.7	18.0	–	20.8	23.7	–	25.8	30.2	
CONC. SIDEWALK SY	–	21.4	25.0	–	17.6	20.3	–	15.2	17.5	
TYPE 1 AGGREGATE SY	–	37.1	43.0	–	38.4	44.0	–	41.0	47.7	
ADA LINEAR GRADING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

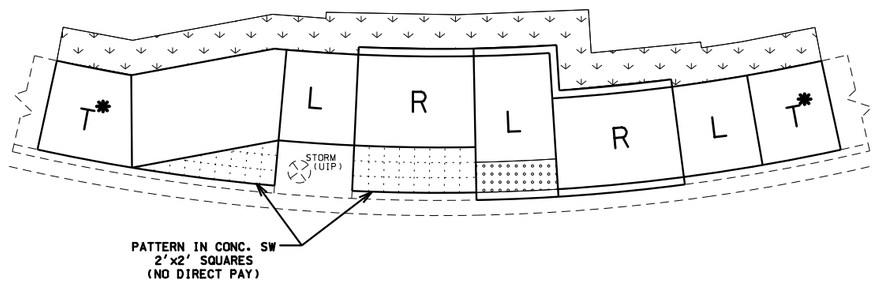
LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	–	12.0	12.0	–	10.0	10.0	–	10.0	10.0	
CURB RAMP SY	–	15.7	18.0	–	21.0	24.5	–	26.9	31.4	
CONC. SIDEWALK SY	–	13.2	16.0	–	12.0	14.2	–	12.0	14.4	
TYPE 1 AGGREGATE SY	–	28.9	34.0	–	33.0	38.6	–	38.9	45.8	
ADA LINEAR GRADING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



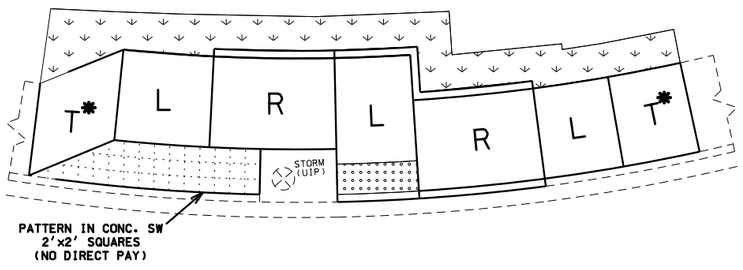
ISOMETRIC VIEW
TYPE 2-G



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)

REVISED: 2025-05-30

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.

REID BRENNEN CATT NUMBER PE-2010019516

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	34

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

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1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF AUTHORITY NO. 001592

ADA LIBRARY TYPICAL

TYPE 2

PARALLEL CURB RAMPS

SPECIAL SHEET
SHEET 4 OF 38

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	
4"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	
4"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	
4"SW OR MED STRIP SY	–	1.0	1.6	–	1.0	1.6	–	1.0	1.6	

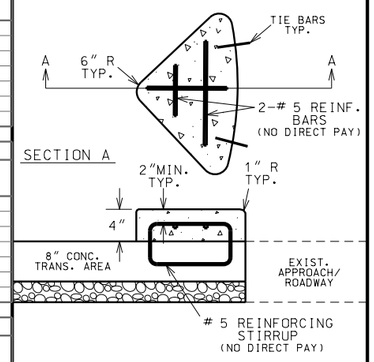
TYPE 3-D

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	
4"SW OR MED STRIP SY	–	1.0	0.8	–	1.0	0.8	–	1.0	0.8	

TYPE 3-E

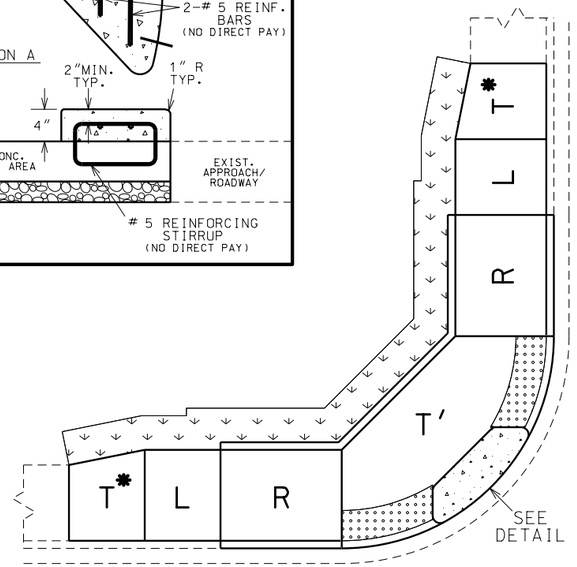
LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	–	20.0	24.0	–	20.0	24.0	–	20.0	24.0	
CURB RAMP SY	–	17.2	19.8	–	17.7	21.4	–	20.4	24.5	
CONC. SIDEWALK SY	–	8.4	10.7	–	7.3	9.4	–	7.3	9.4	
TYPE 1 AGGREGATE SY	–	25.6	30.5	–	25.0	30.8	–	27.7	33.9	
ADA LINEAR GRADING LF	–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

– DETAIL – 4" SIDEWALK OR 4" 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

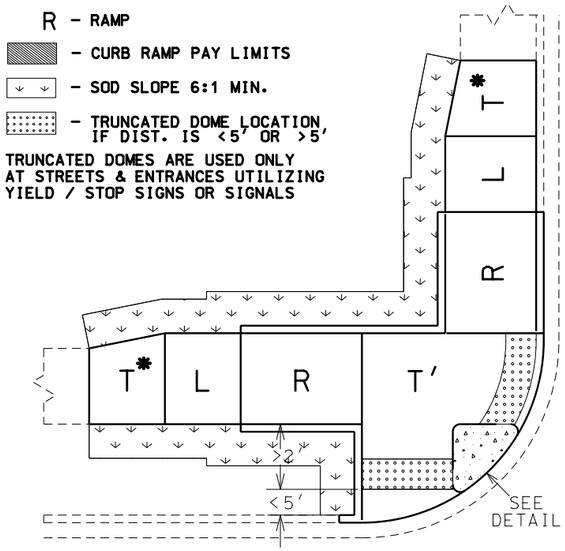
R – RAMP

– CURB RAMP PAY LIMITS

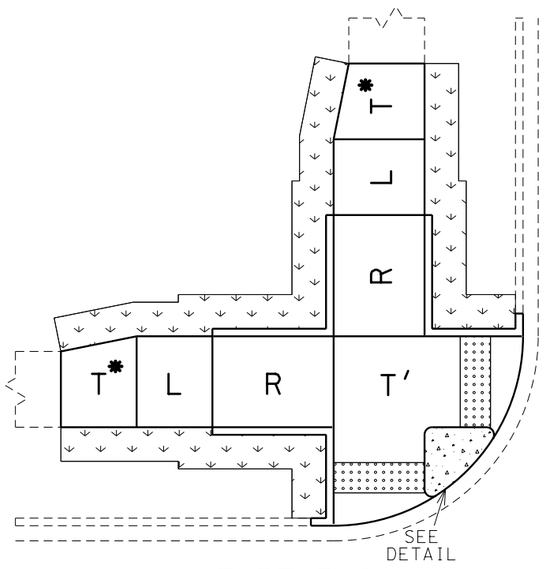
– SOD SLOPE 6:1 MIN.

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

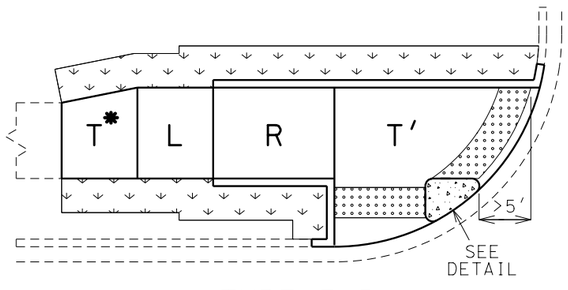
TRUNCATED DOMES ARE USED ONLY AT STREETS & ENTRANCES UTILIZING YIELD / STOP SIGNS OR SIGNALS



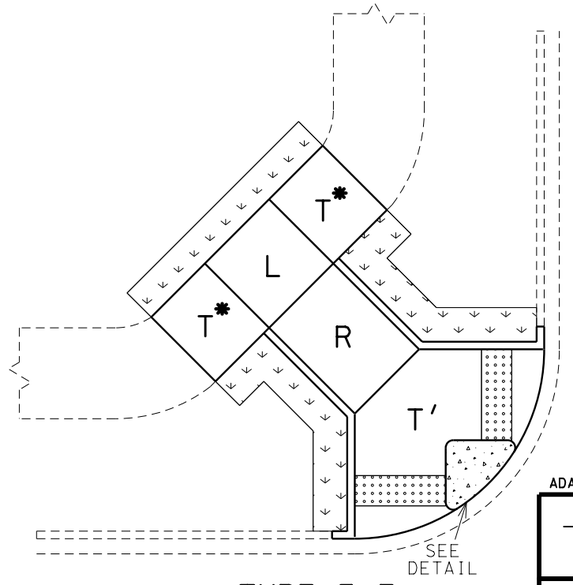
TYPE 3-B



TYPE 3-C



TYPE 3-D



TYPE 3-E

REVISED: 2025-06-09

REID BRENNEN CATT-ENGINEER MO# PE-2010019516

DATE PREPARED: 8/18/2026

ROUTE: BU50/J | STATE: MO

DISTRICT: KC | SHEET NO.: 35

COUNTY: JOHNSON

JOB NO.: J3P3202

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
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NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF AUTHORITY NO. 001592

ADA LIBRARY TYPICAL

TYPE 3
DIAGONAL CURB RAMPS

SPECIAL SHEET
SHEET 5 OF 38

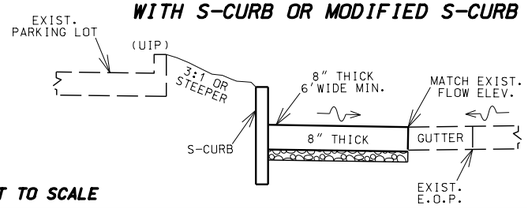
REVISED: 2022-05-16

NOTES FOR MODIFIED SIDEWALK:

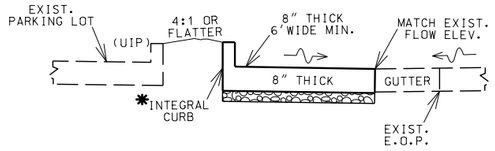
1. REMOVE EXIST. CURB & RAISED ISLAND WITHIN LIMITS SHOWN.
2. AREA INSIDE FINAL CURB TO BE REPAIRED OR REPLACED WITH EXISTING SURFACE MATERIAL. GRADE TO DRAIN.
3. CONSTRUCT 8" THICK CONC. SIDEWALK FLUSH WITH EXIST. CONC. PAVED APPROACH.
4. CONSTRUCT CURB ADJACENT TO MODIFIED SIDEWALK.
5. MODIFIED SIDEWALK 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



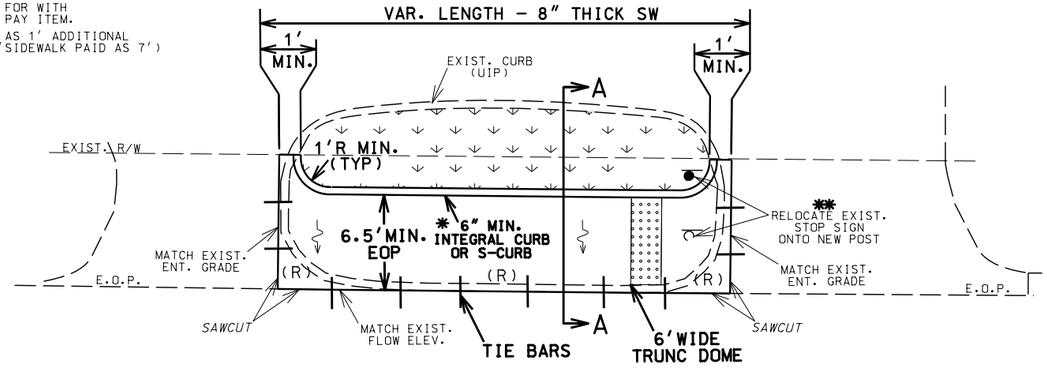
SECTION A-A
WITH INTEGRAL CURB



NOT TO SCALE

TYPICAL MODIFIED SIDEWALK
8" THICK

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

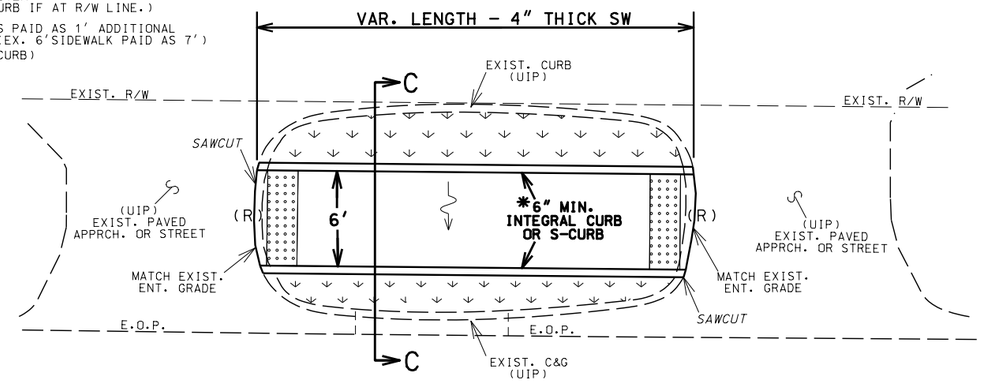


NOTES FOR CUT-THRU SIDEWALK:

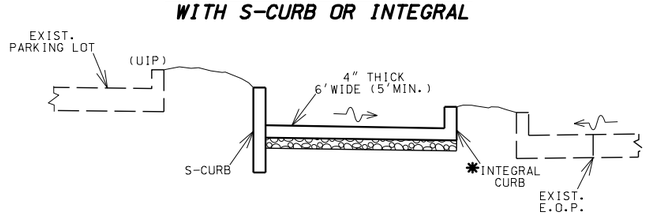
1. REMOVE EXIST. CURB & RAISED ISLAND WITHIN LIMITS SHOWN.
2. AREA INSIDE FINAL CURB TO BE REPAIRED OR REPLACED WITH EXISTING SURFACE MATERIAL. GRADE TO DRAIN.
3. CONSTRUCT 4" THICK CONC. SIDEWALK FLUSH WITH EXIST. CONC. PAVED APPROACH.
4. CONSTRUCT CURB ON BOTH SIDES ADJACENT TO SIDEWALK.
5. CUT-THRU 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



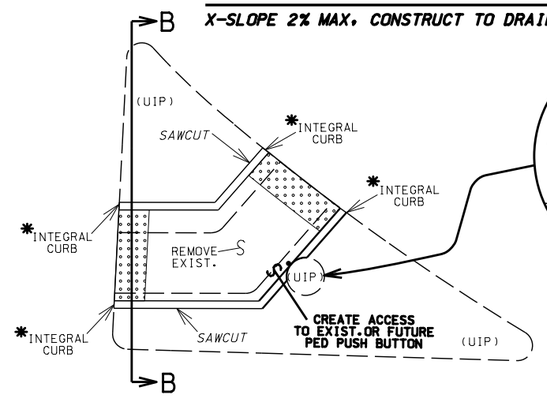
SECTION C-C
WITH S-CURB OR INTEGRAL

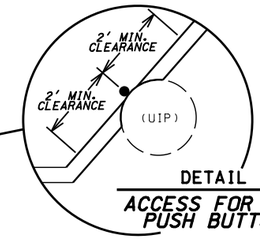


NOT TO SCALE

NOT TO SCALE

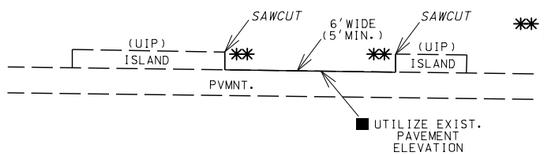
TYPICAL ISLAND CUT-THRU SIDEWALK
X-SLOPE 2% MAX. CONSTRUCT TO DRAIN





DETAIL
ACCESS FOR PED PUSH BUTTON

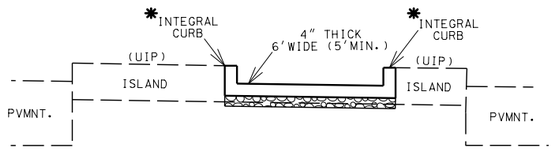
SECTION B-B
ISLAND CUT-THRU SIDEWALK FOR EXISTING 'PINNED-ON' ISLAND



■ 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

SPECIAL SHEET
SHEET 6 OF 38

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED: 8/18/2026
ROUTE: BU50/J | STATE: MO
DISTRICT: KC | SHEET NO.: 36
COUNTY: JOHNSON
JOB NO.: J3P3202
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

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

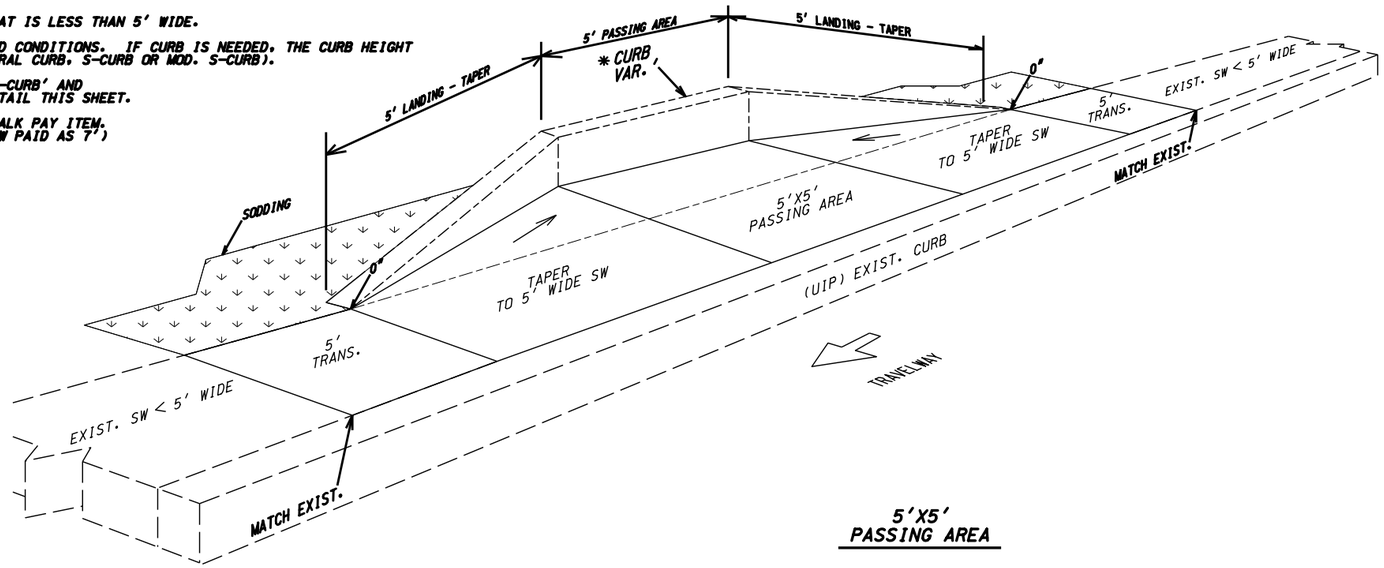
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

olsson
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF AUTHORITY NO. 001592

REVISED: 2024-01-18

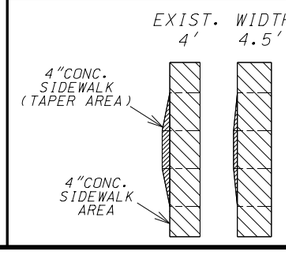
NOTES:

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)



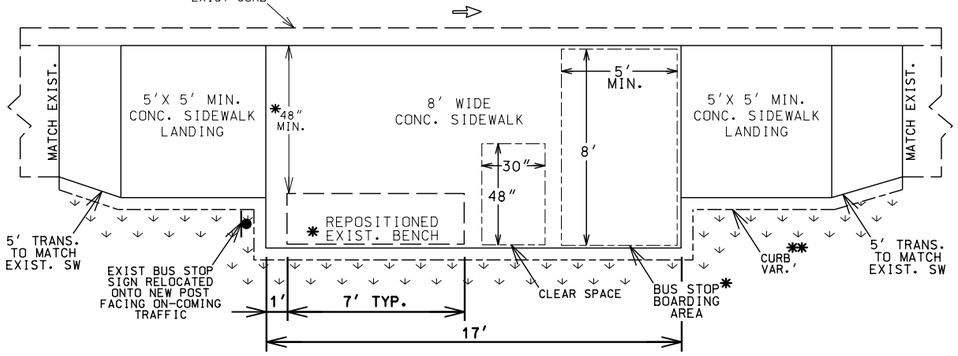
5'X5' PASSING AREA

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
MODIFIFED S-CURB		LF	17.2	16.0
SODDING		SY	53.0	53.0
LINEAR GRADING		LF	25.0	25.0



NOT TO SCALE

BUS STOP WITH BENCH



NOTES:

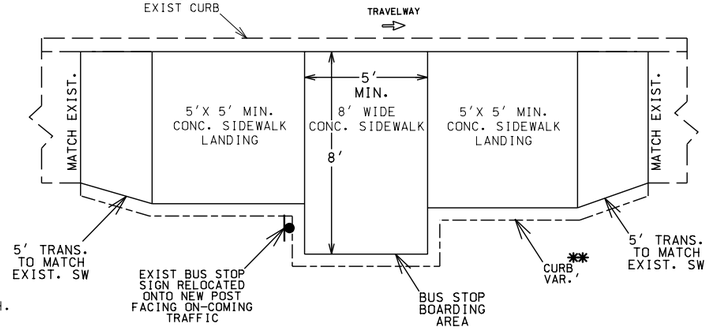
* 1. THE REPOSITIONED BENCH SHALL NOT BE PLACED ON THE 5'X8' BUS STOP BOARDING AREA. PLACE THE BACK OF THE BENCH AT THE BACK EDGE OF THE CONC. PAD TO PROVIDE MAX.CLEARANCE.

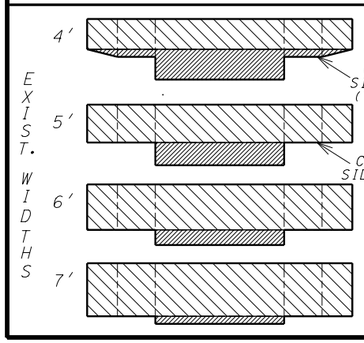
** 2. CURB USAGE DEPENDS ON FIELD CONDITIONS. IF CURB IS NEEDED DUE TO CUT, THE CURB HEIGHT WILL VARY DEPENDING ON FIELD CONDITIONS. (INTEGRAL CURB, S-CURB OR MOD. S-CURB).

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

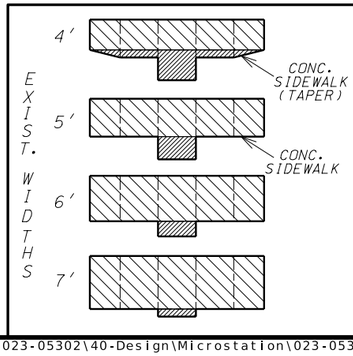
*** 4. INTEGRAL CURB IS PAID FOR IN THE 4" CONC. SIDEWALK PAY ITEM. INTEGRAL CURB PAID AS 1' ADDITIONAL SIDEWALK WIDTH. (EX. 6'SW PAID AS 7') (0.11 SY/LF OF CURB)

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
MODIFIFED 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



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
MODIFIFED 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

NOT TO SCALE

ADA LIBRARY TYPICAL

PASSING AREAS AND BUS STOPS

SPECIAL SHEET
SHEET 7 OF 38

REID BRENNEN CATT NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	37

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

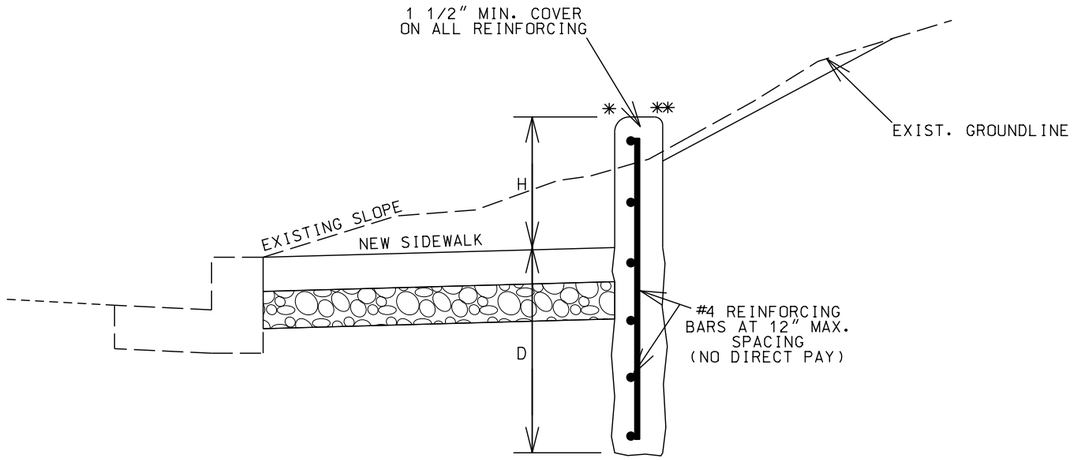
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

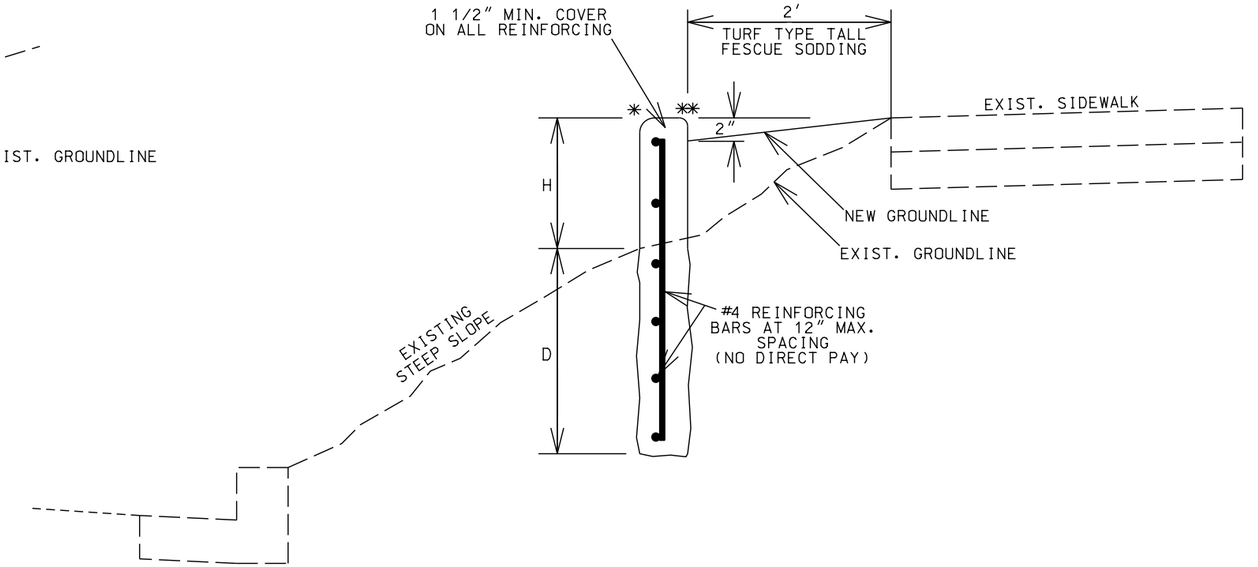
olsson
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF AUTHORITY NO. 001592

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

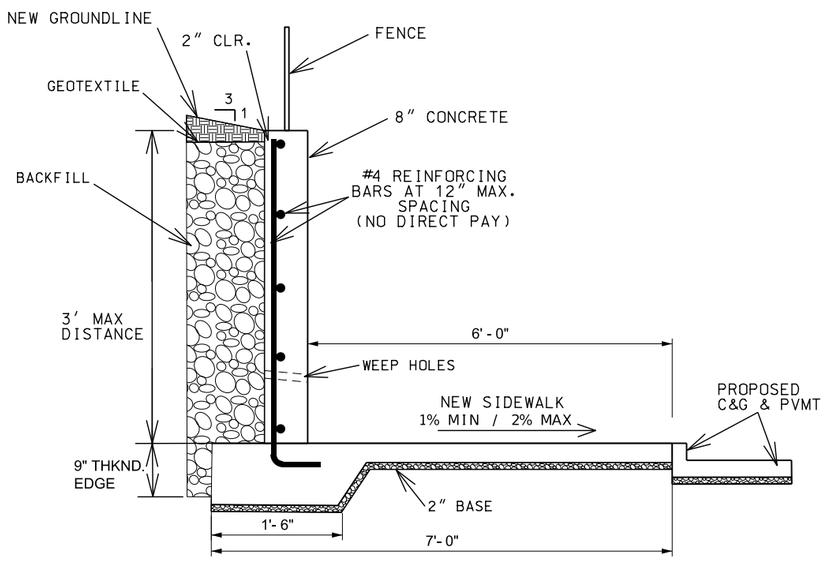
✳ ROUND TO 3/4" RADIUS
✳✳ ROUND TO 1/4" RADIUS
H = 2'-6" MAX. (30")
D = BURY DEPTH (FORMING NOT REQUIRED)
THIS SHALL BE 18 INCHES OR "H" WHICHEVER IS GREATER.
VERTICAL REINFORCING LENGTHS VARY AS NEEDED.
DEPTH MAY BE REDUCED IF KEYED 6" IN ROCK

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

ADA LIBRARY TYPICAL

MODIFIED S-CURB

SPECIAL SHEET
SHEET 8 OF 38

REID BRENNEN CATT
NUMBER
PE-2010019516

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	38

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

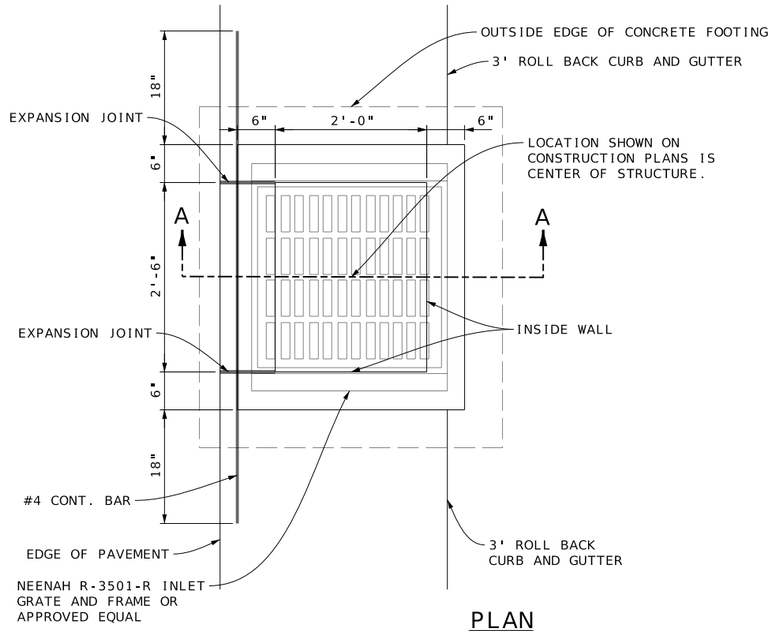
BRIDGE NO.

DESCRIPTION	DATE

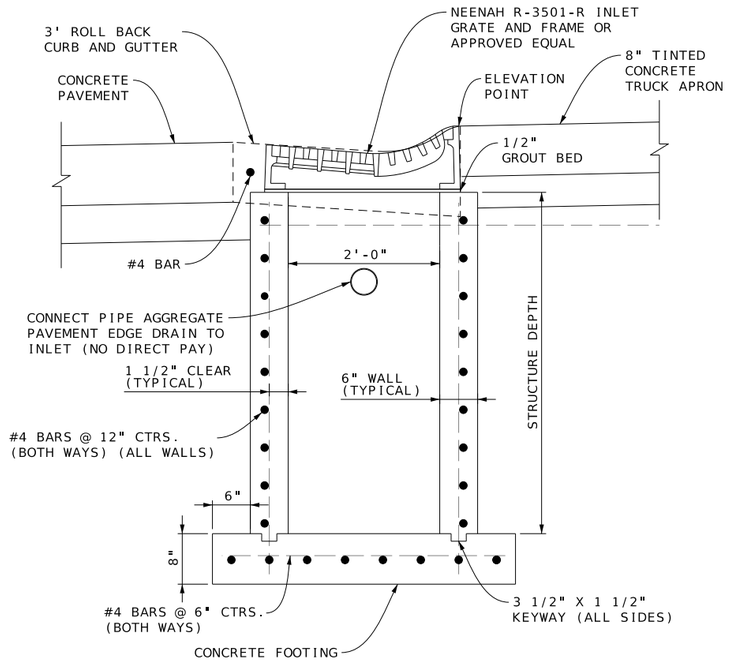
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

olsson
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592



PLAN



SECTION A-A

SPECIAL GRATE INLET 2.5 X 2

N.T.S.

SPECIAL SHEET
SPECIAL GRATE INLET DETAIL
SHEET 9 OF 38

REID BRENNEN CATT NUMBER PE-2010019516

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO

DISTRICT	SHEET NO.
KC	39

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

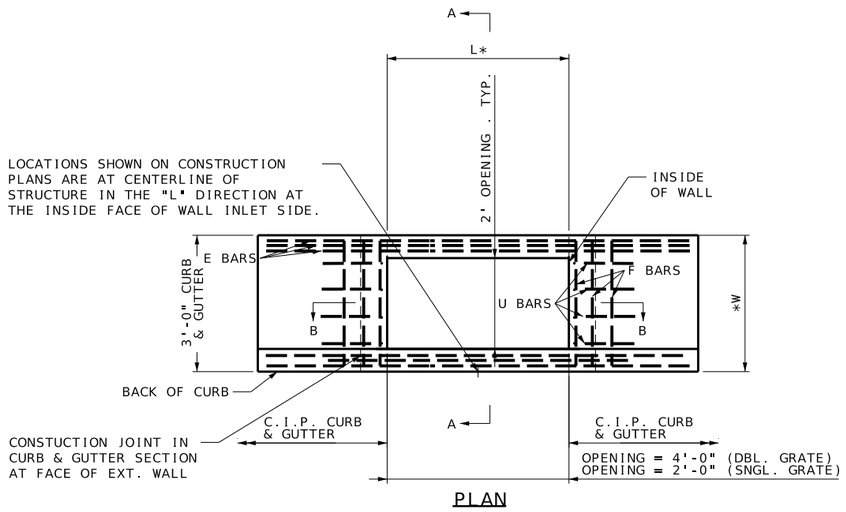
DESCRIPTION	DATE

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

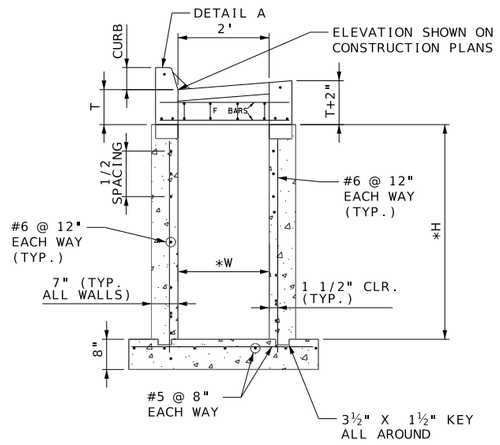
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

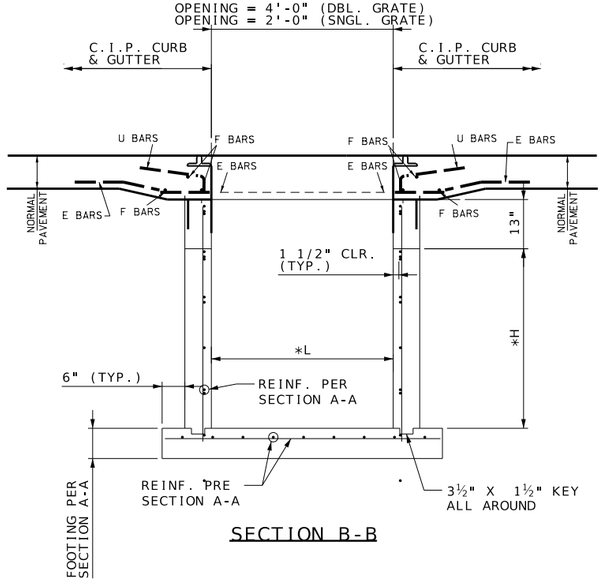
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

olsson
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592



PLAN





SECTION B-B

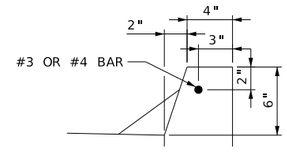
PAVEMENT THICKNESS	"T" DIMENSION
LESS THAN OR EQUAL TO 11"	11"
12"	12"
13"	13"
GREATER THAN OR EQUAL TO 14"	14"

NOTES:

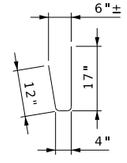
1. THE FIRST DIMENSION LISTED IN THE CONSTRUCTION NOTE IS THE "L" DIMENSION. THE SECOND DIMENSION IS THE "W" DIMENSION. FL'S LISTED ON THE PROJECT PLANS ARE LISTED AT THE INSIDE FACE OF THE WALL.
2. FLOOR OF INLET SHALL HAVE A SHAPED CONCRETE INVERT TO PROVIDE FOR SMOOTH FLOW.
3. THE MINIMAL DIMENSION BETWEEN THE TOP OF PIPE AND THE TOP OF BOX SHALL BE 2'-6" (TYPICAL ALL WALLS).
4. ALL CLEAR DISTANCES TO REINFORCING STEEL SHALL BE 1-1/2" UNLESS OTHERWISE SHOWN.
5. USE HILT HIT HY150 INJECTION ADHESIVE ANCHOR OR APPROVED EQUAL FOR ALL ANCHOR BOLT GROUTING.
6. ALL INGRADE INLETS SHALL CONFORM TO STREET GRADE. ALL INLETS IN SUMP SHALL BE LEVEL. BEVEL ALL EXPOSED EDGES WITH 3/4" TRIANGULAR MOLDING.
7. FOR 2'X2' OPENING SEE STANDARD PLAN 614.11D FOR CURVED VANE GRATE AND FRAME DETAIL.
8. FOR 4'X2' OPENING USE NEENAH R-4999-L6 TYPE "L" GRATE WITH TYPE "B" FRAME OR APPROVED EQUAL.

PAVEMENT BAR BILL					
TYPE	WIDTH	LENGTH	MARK	NO.	LENGTH
D	2'	2'	E	6	7'-0"
			F	6	2'-9"
			U	8	2'-9"
	2'	4'	E	6	9'-0"
			F	6	2'-9"
			U	8	2'-9"

BARS E, F. & U.....#4



DETAIL A



U-BARS
BENDING DIAGRAM

NOT TO SCALE

SPECIAL SHEET
MODIFIED TYPE D GRATE INLET DETAIL
SHEET 10 OF 38

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

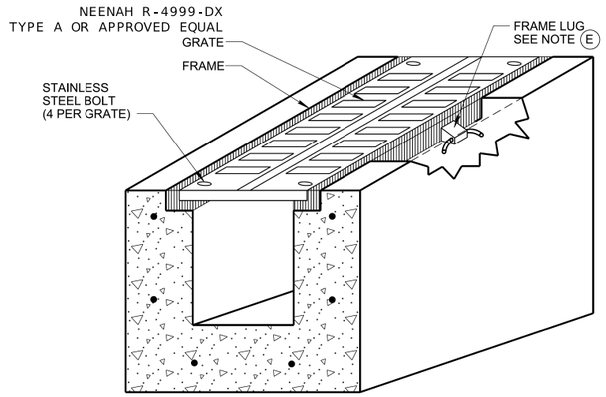
DATE PREPARED: 8/18/2026
ROUTE: BU50/J
STATE: MO
DISTRICT: KC
SHEET NO.: 40
COUNTY: JOHNSON
JOB NO.: J3P3202
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

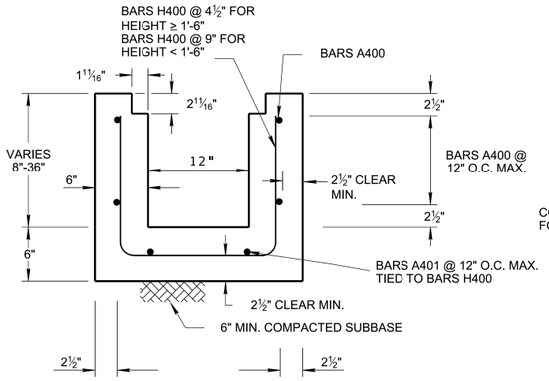
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

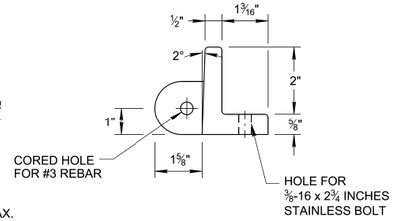
olsson
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF AUTHORITY NO. 001592



PERSPECTIVE VIEW

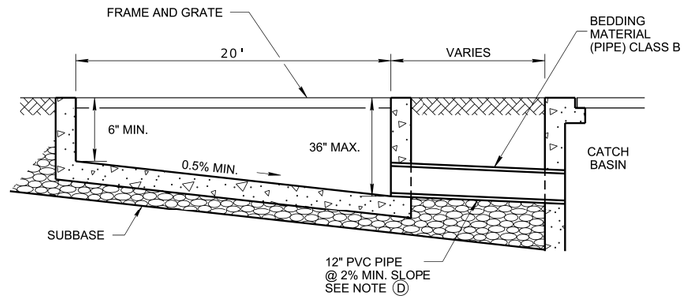


TYPICAL TRENCH CROSS SECTION



FRAME DETAIL SHOWING LUG

SEE NOTE (E)

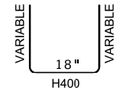


PROFILE VIEW -
IN MEDIAN WITH CATCH BASIN

REINFORCING STEEL LEGEND

A400 VARIABLE

A401 VARIABLE



DIMENSIONS SHOWN ON THIS LEGEND ARE OUTSIDE TO OUTSIDE OF BAR. STANDARD C.R.S.I. HCOK AND TIE DETAILS SHALL APPLY, EXCEPT AS NOTED.

TRENCH DRAIN GENERAL NOTES

(A) TRENCH DRAIN MAY BE USED TO COLLECT ROADWAY RUNOFF IN AREAS WHERE LONG SECTIONS OF FLAT PROFILE GRADE ARE UNAVOIDABLE. THEY MAY BE USED IN MEDIANS OR IN OTHER AREAS WHERE RUNOFF MAY COLLECT.

(B) THE MAXIMUM ALLOWABLE OUTFLOW RATE THROUGH THE DISCHARGE PIPE SHOULD NOT EXCEED 4.5 CFS. THE DISCHARGE SHALL BE CALCULATED USING THE RATIONAL METHOD AS DESCRIBED IN CHAPTER 4 OF THE DRAINAGE DESIGN MANUAL.

(C) WHERE TRENCH DRAIN IS CONNECTED TO A CATCH BASIN AT THE LOW POINT OF THE PROFILE GRADE, THE OUTLET PIPE SHALL CONSIST OF 12-INCH PVC PIPE AT A SLOPE OF AT LEAST 2.0%. IN ORDER TO MAINTAIN MINIMUM COVER, THE TRENCH SHALL BE 36 INCHES DEEP AT THE OUTLET.

(D) PVC PIPE SHALL MEET THE REQUIREMENTS OF ASTM F949.

(E) TRENCH DRAIN FRAMES SHALL BE PROVIDED WITH LUGS SPACED AT 12 INCHES ON CENTER. LUG TYPE MAY VARY BY MANUFACTURER. LUGS SHALL BE PROVIDED WITH A HOLE THROUGH WHICH A #3 REBAR MAY BE PLACED PRIOR TO POURING THE TRENCH WALLS.

(F) GRATES SHALL BE SOLIDLY ATTACHED TO THE TRENCH DRAIN FRAMES BY MEANS OF STAINLESS STEEL BOLTS (⅜-16 x 2¾ INCHES) AND FLAT WASHERS AT EACH CORNER OF THE GRATE.

(G) THE GENERAL INSTALLATION PROCEDURE FOR CAST-IN-PLACE TRENCH DRAINS SHALL BE AS FOLLOWS:

1. SET REINFORCING STEEL.
2. FORM AND POUR TRENCH DRAIN BASE.
3. SET FORMS FOR TRENCH DRAIN WALLS.
4. SET TRENCH GRATES AND FRAMES INTO PLACE ON THE FORMS. GRATES MUST BE BOLTED TO THE FRAMES. INSERT SHORT SECTIONS OF #3 REBAR AS NEEDED INTO THE FRAME LUGS.
5. POUR TRENCH DRAIN WALLS.

(H) PRECAST TRENCH DRAIN SECTIONS MAY BE USED WITH THE APPROVAL OF THE ENGINEER.

(I) PAYMENT FOR TRENCH DRAINS WILL BE MADE UNDER ITEM NUMBER 731-99.02, TRENCH DRAIN PER EACH.

(J) OTHER APPROVED TRENCH DRAIN SYSTEMS ON QUALIFIED PRODUCT LIST MAY BE USED WITH THE APPROVAL OF THE ENGINEER.

(K) THE FOLLOWING MATERIAL PROPERTIES ARE REQUIRED FOR BOTH CAST-IN-PLACE AND PRECAST STRUCTURES:

CONCRETE: f'_c = 4,000 POUNDS PER SQUARE INCH AT 28 DAYS
REINFORCING STEEL: ASTM A615, F_y = 60,000 POUNDS PER SQUARE INCH
ALL REINFORCING IS TO BE INSTALLED AS DETAILED ON THIS DRAWING.

SPECIAL SHEET
TRENCH DRAIN DETAIL
SHEET 11 OF 38

REID BRENNEN CATT NUMBER PE-2010019516

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	41

COUNTY
JOHNSON

JOB NO.
J3P3202

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
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592

SEE SHEETS NO. 49-68
FOR ENTRANCE DETAILS

SCALE
0 20 40 60

WASHINGTON ST
JEFFERSON AVE
MADISON AVE
℄ MCPHERSON ST
MATCHLINE STA. 1781+40.00
MATCHLINE STA. 1786+80.00
1780
1785
5' SIDEWALK
6' SIDEWALK
INTEGRAL CURB
TIE INTO ROCK WALL
4 STEPS W/ HANDRAIL
6 STEPS W/ HANDRAIL

SIDEWALK GEOMETRY
SPECIAL SHEET
SHEET 12 OF 38

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1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592

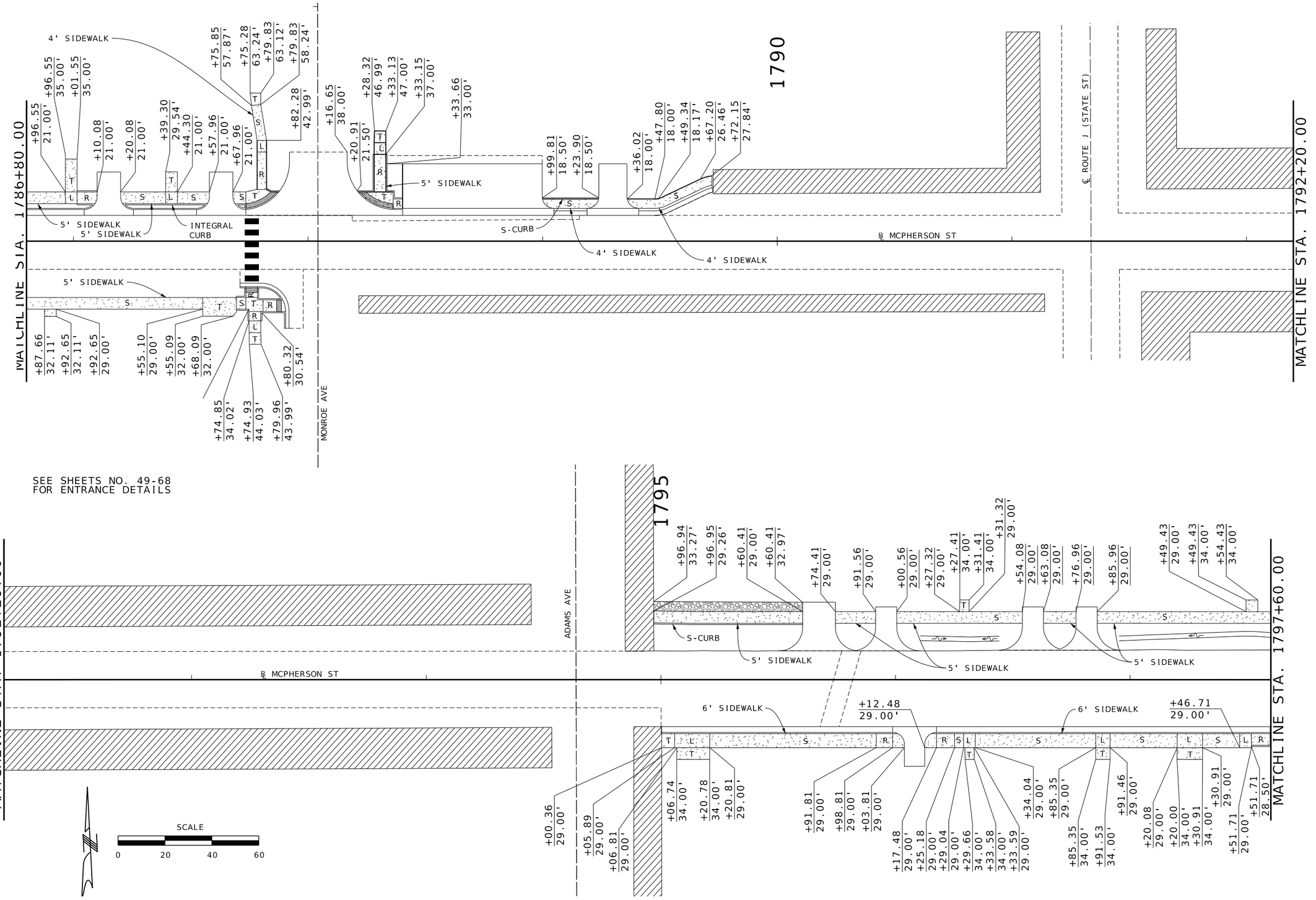
REID BRENNEN CATT NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED 8/18/2026
ROUTE BU50/J
STATE MO
DISTRICT KC
SHEET NO. 42
COUNTY JOHNSON
JOB NO. J3P3202
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)



REID BRENNEN CATT NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER MO# PE-2010019516

DATE PREPARED 8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	43

COUNTY JOHNSON
JOB NO. J3P3202
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE

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

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CERTIFICATE OF AUTHORITY NO. 001592

SIDEWALK GEOMETRY
SPECIAL SHEET
SHEET 13 OF 38

MATCHLINE STA. 1797+60.00

MATCHLINE STA. 1803+00.10

MATCHLINE STA. 1803+00.10

MATCHLINE STA. 1808+36.90

JACKSON AVE

GRANT AVE

LINCOLN AVE

CENTER ST

BAGBY ST

℄ MCPHERSON ST

1800

1805

5' SIDEWALK

4' SIDEWALK

2-STEP

2 STEPS W/ HANDRAIL

3 STEPS W/ HANDRAIL

SEE SHEETS NO. 49-68
FOR ENTRANCE DETAILS

SCALE
0 20 40 60

SIDEWALK GEOMETRY
SPECIAL SHEET
SHEET 14 OF 38

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	44

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

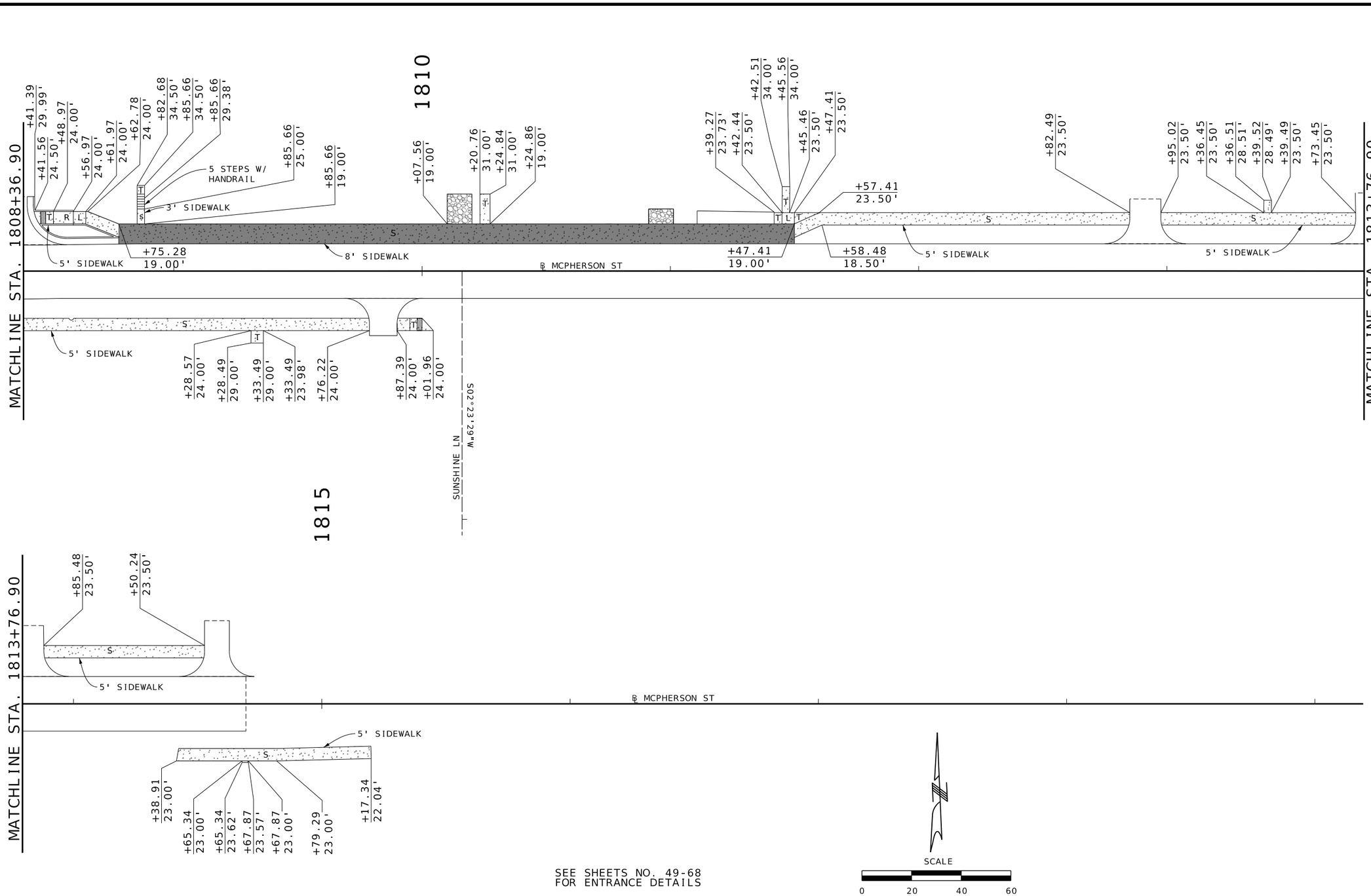
DATE	DESCRIPTION

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
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF AUTHORITY NO. 001592



SEE SHEETS NO. 49-68
FOR ENTRANCE DETAILS

SCALE
0 20 40 60

REID BRENNEN CATT NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	45

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

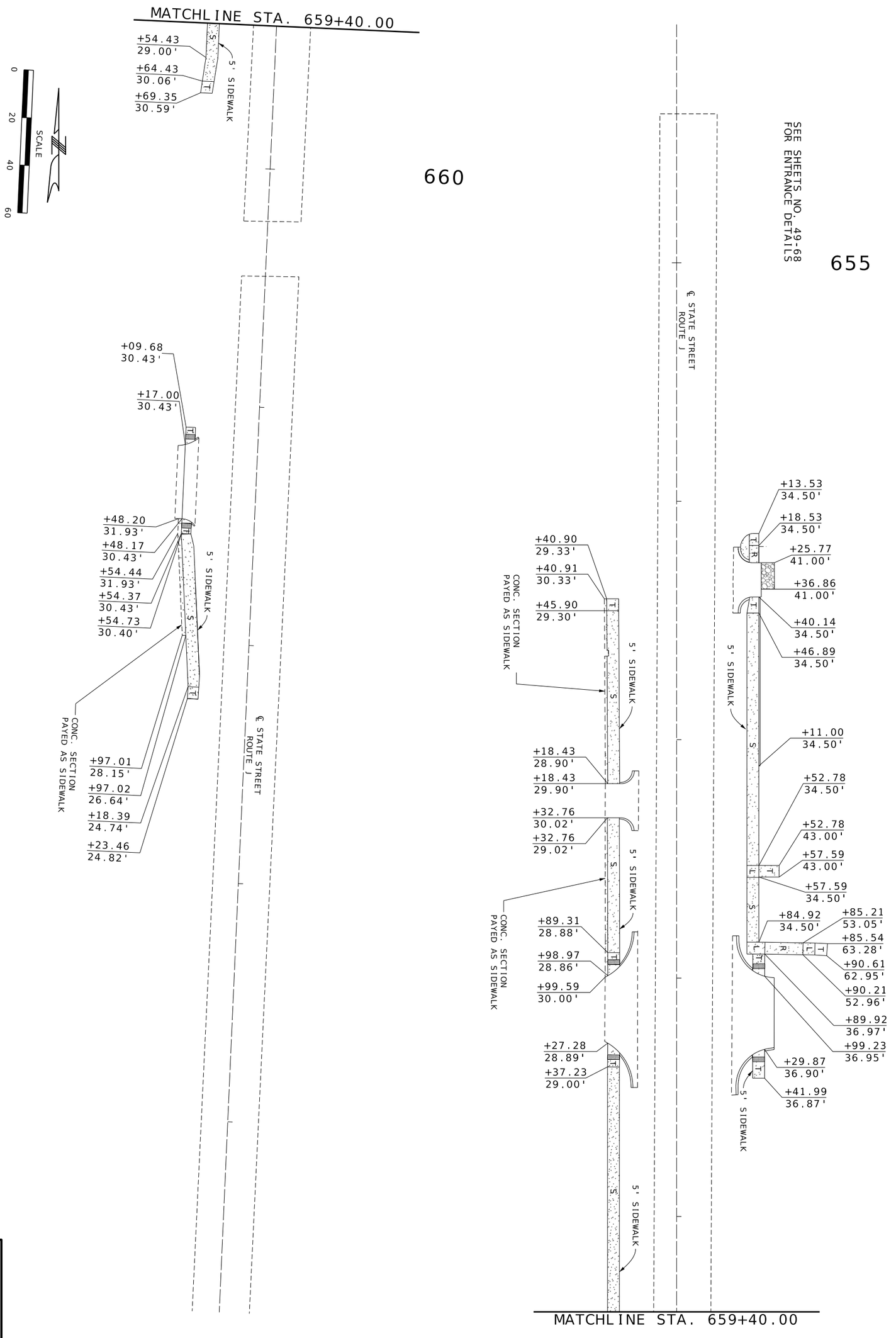
DESCRIPTION	DATE

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

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SIDEWALK GEOMETRY
SPECIAL SHEET
SHEET 15 OF 38



SIDEWALK GEOMETRY
SPECIAL SHEET
SHEET 16 OF 38

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NORTH KANSAS CITY, MO 64116
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CERTIFICATE OF
AUTHORITY NO. 001592

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

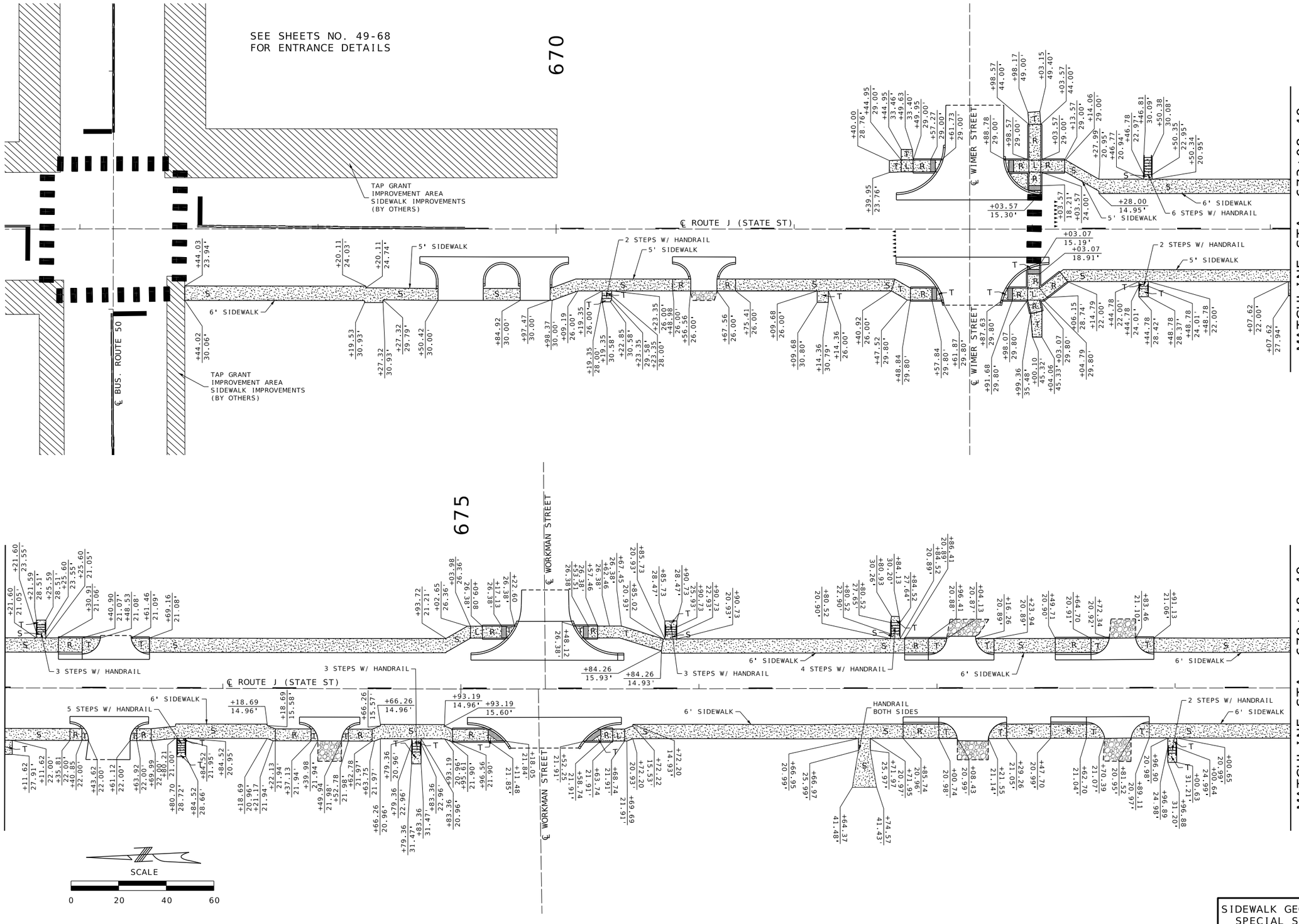
DATE	DESCRIPTION

BRIDGE NO.
PROJECT NO.
J3P3202
CONTRACT ID.
JOHNSON
COUNTY
46
SHEET NO.
KC
DISTRICT
BU50/J
ROUTE
MO
STATE
8/18/2026
DATE PREPARED

RED BRENKEN CATT PROJECT ENGINEER
MO# PE-2010019516

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

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SIDEWALK GEOMETRY
SPECIAL SHEET
SHEET 17 OF 38

WILLIAM R. BUCK
NUMBER PE-025272
PROFESSIONAL ENGINEER
STATE OF MISSOURI

WILLIAM BUCK, P.E.
MISSOURI PE 025272

DATE PREPARED
8/21/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	47

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

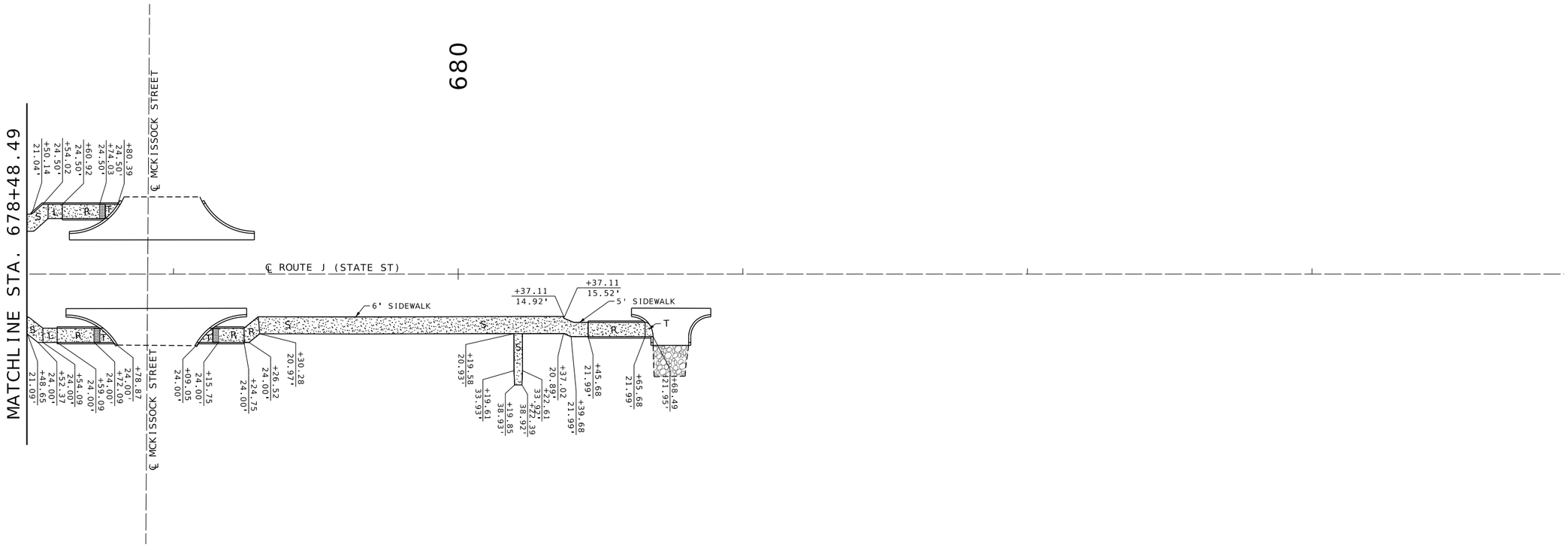
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

POWELL CWM
ARCHITECTURE/ENGINEERING/SURVEYING
3200 S. State Route 291, Bldg. I, Independence, MO 64057
816.373.4000 | powellcwm.com
Certificates of Authority
Architecture: MO 310 / KS 33
Engineering: MO 4 / KS 241
Land Surveying: MO 133 / KS 36



SEE SHEETS NO. 49-68
FOR ENTRANCE DETAILS

SCALE
0 20 40 60

SIDEWALK GEOMETRY
SPECIAL SHEET
SHEET 18 OF 38

WILLIAM R. BUCK
NUMBER PE-025272
STATE OF MISSOURI
PROFESSIONAL ENGINEER

WILLIAM BUCK, P.E.
MISSOURI PE 025272

DATE PREPARED
8/21/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	48

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

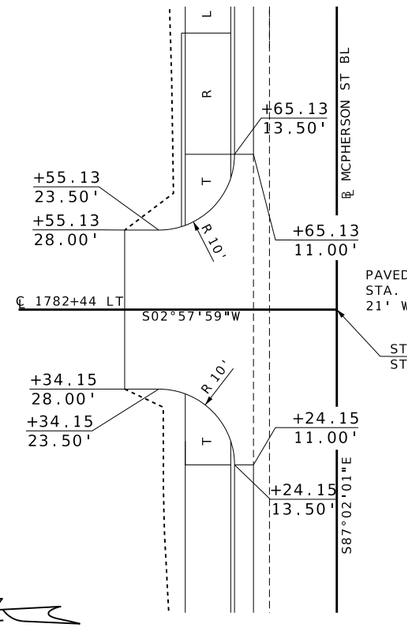
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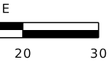
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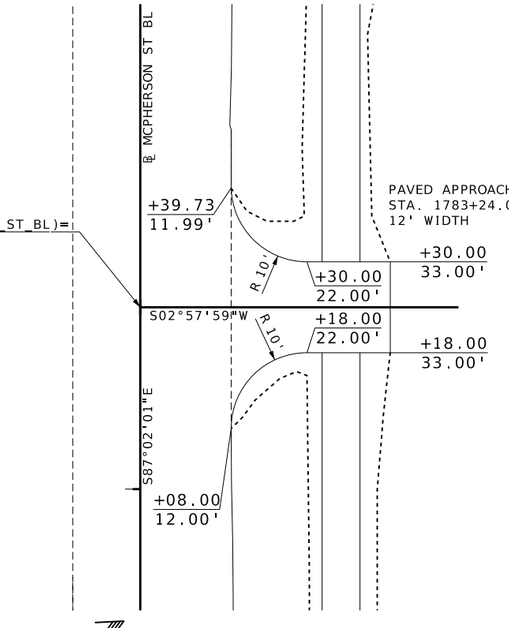
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105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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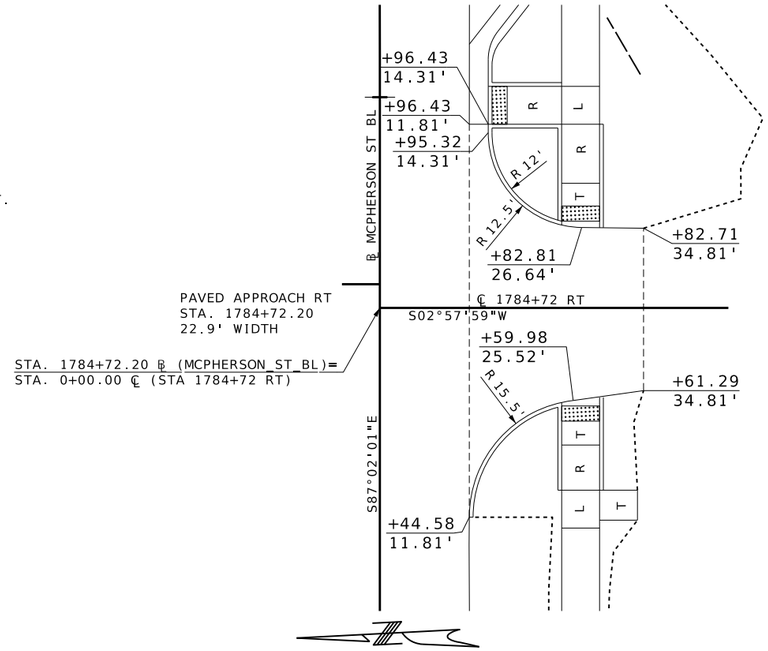
Certificates of Authority
Architecture: MO 310 / KS 33
Engineering: MO 4 / KS 241
Land Surveying: MO 133 / KS 36

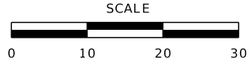


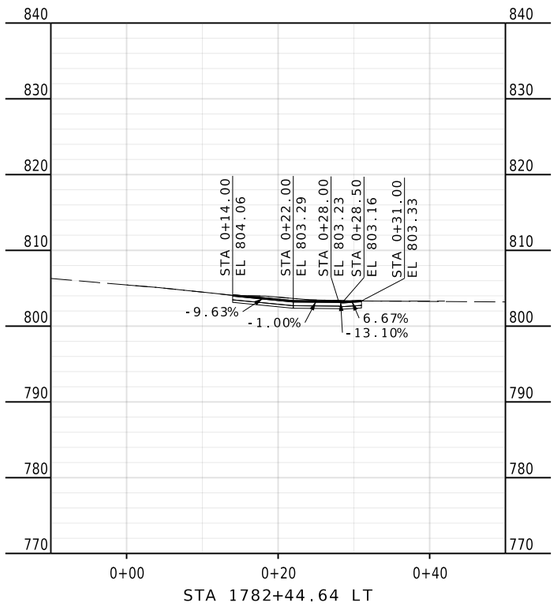




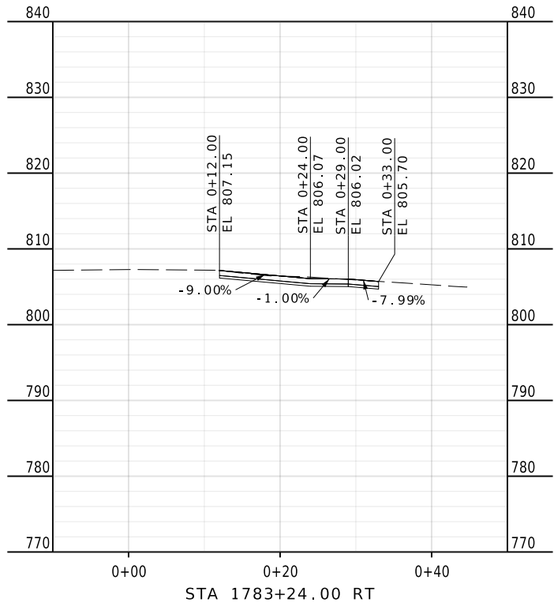




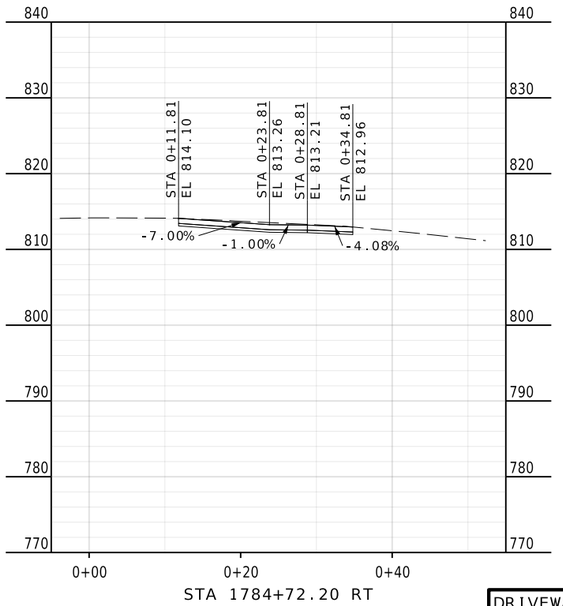




STA 1782+44.64 LT



STA 1783+24.00 RT



STA 1784+72.20 RT

DRIVEWAY PROFILES
SPECIAL SHEET
SHEET 19 OF 38

REID BRENNEN CATT
NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	49

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

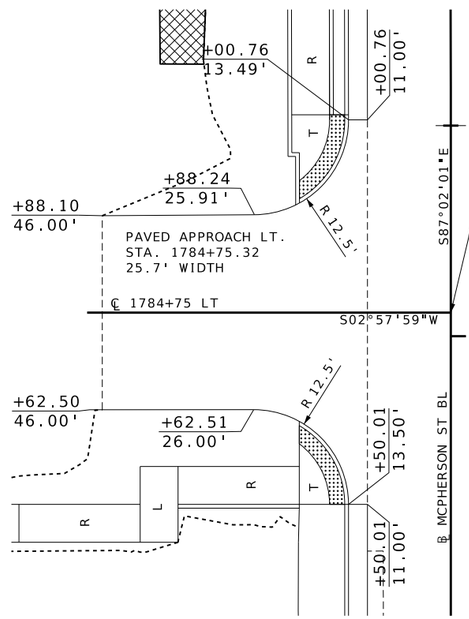
BRIDGE NO.

DESCRIPTION	DATE

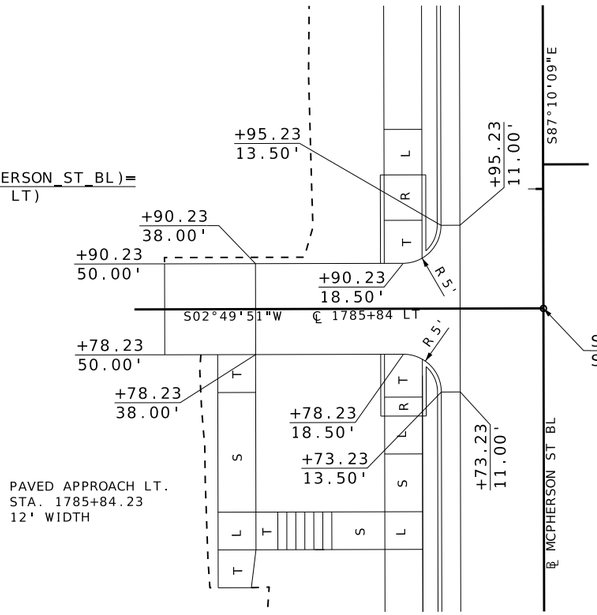
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

olsson
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592

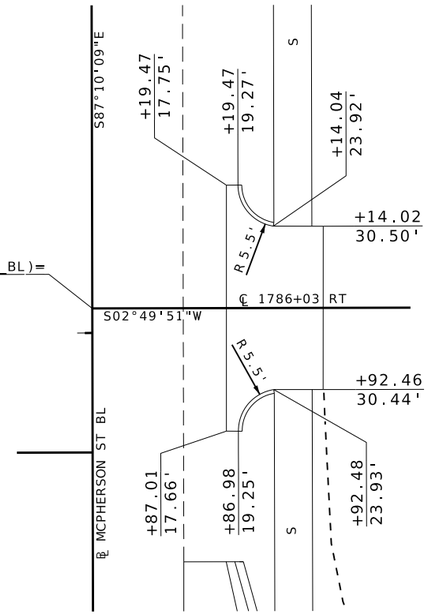


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STA. 0+48.00 ℄ (1784+75 LT)



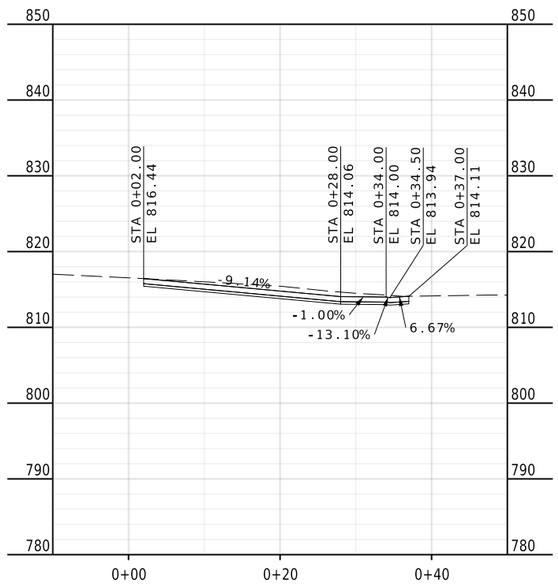
STA. 1785+84.23 ℄ (MCPHERSON_ST_BL)=
STA. 0+55.54 ℄ (1785+84 LT)

PAVED APPROACH RT.
STA. 1786+03.24
21.6' WIDTH

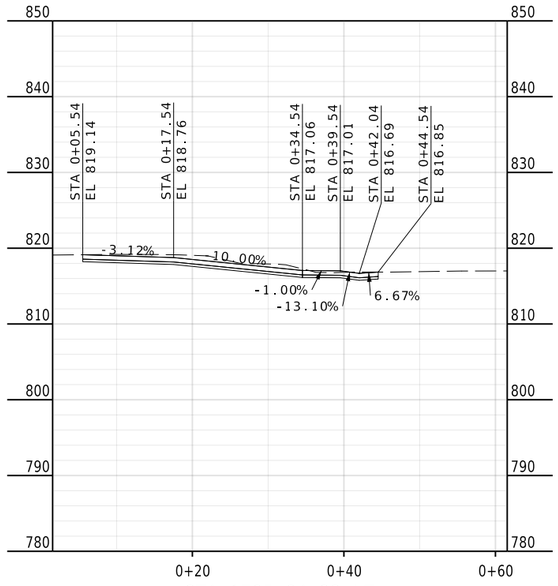


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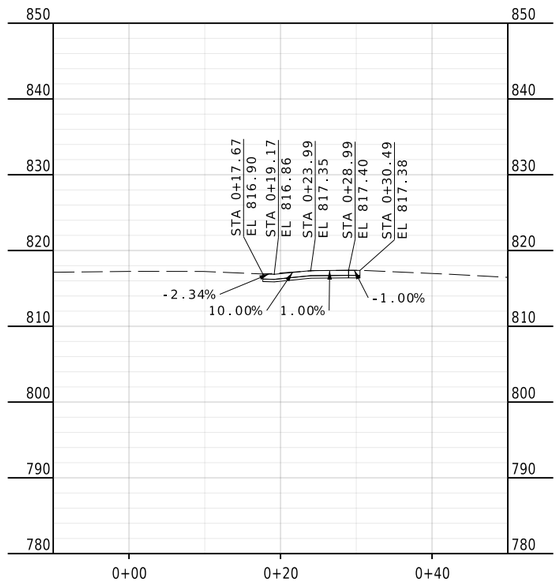
SCALE
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STA 1784+75.32 LT



STA 1785+84.23 LT



STA 1786+03.24 RT

DRIVEWAY PROFILES
SPECIAL SHEET
SHEET 20 OF 38

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	50

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

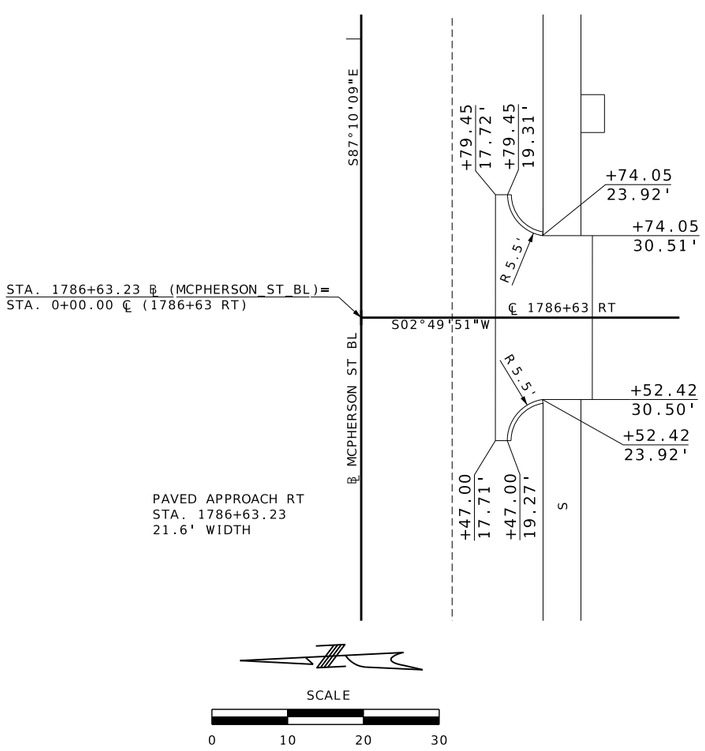
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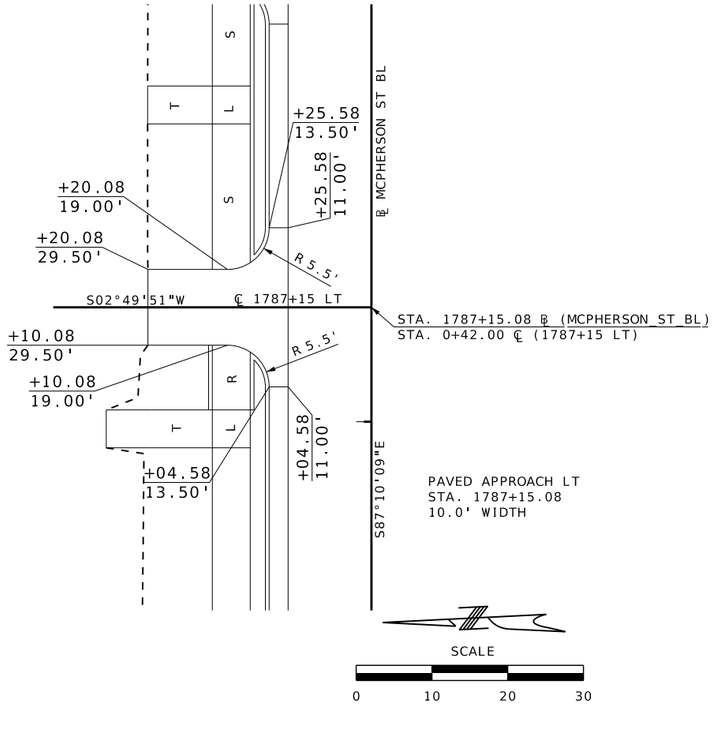
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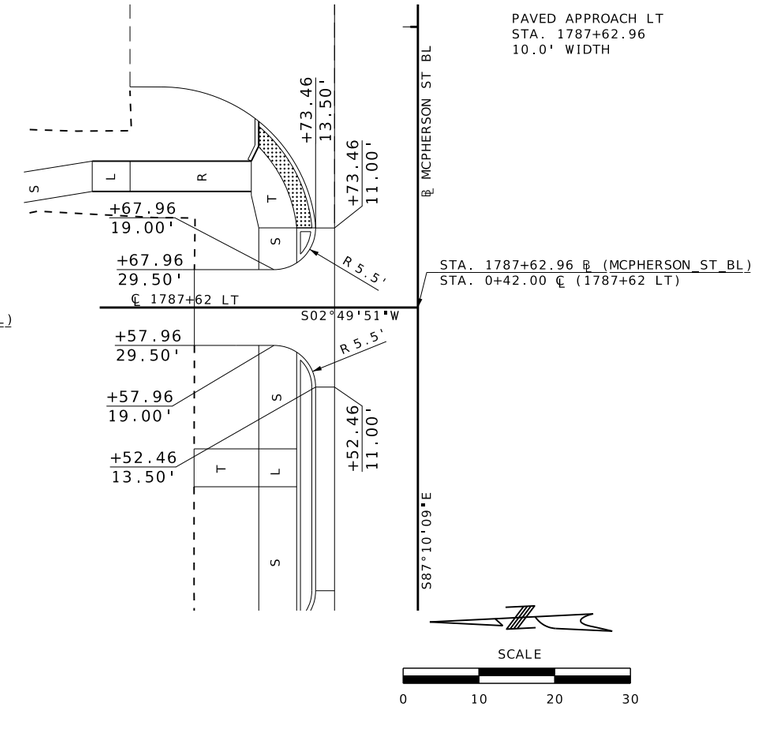
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

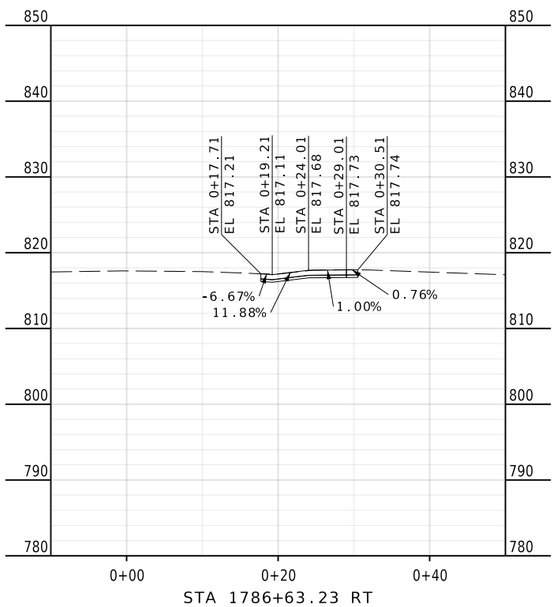
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

olsson
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592

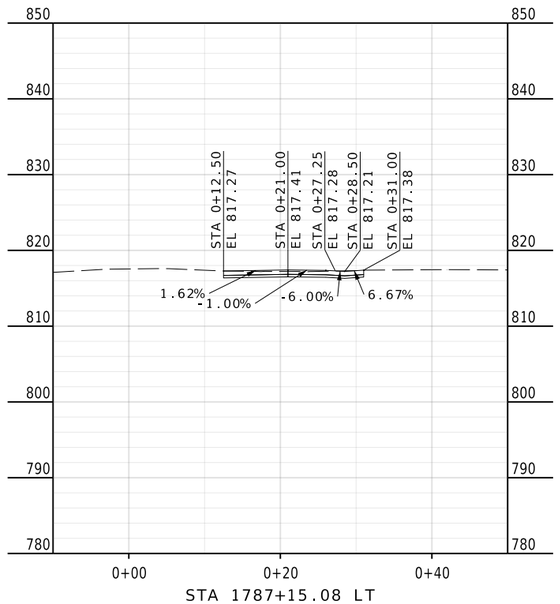




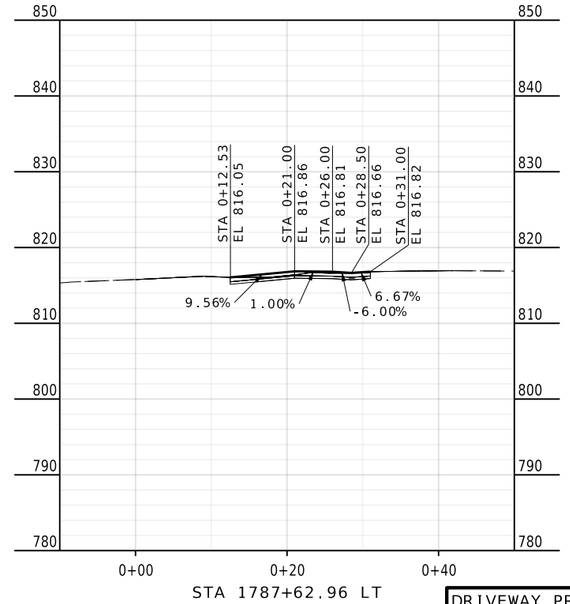




STA 1786+63.23 RT



STA 1787+15.08 LT



STA 1787+62.96 LT

DRIVEWAY PROFILES
SPECIAL SHEET
SHEET 21 OF 38

REID BRENNEN CATT
NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	51

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

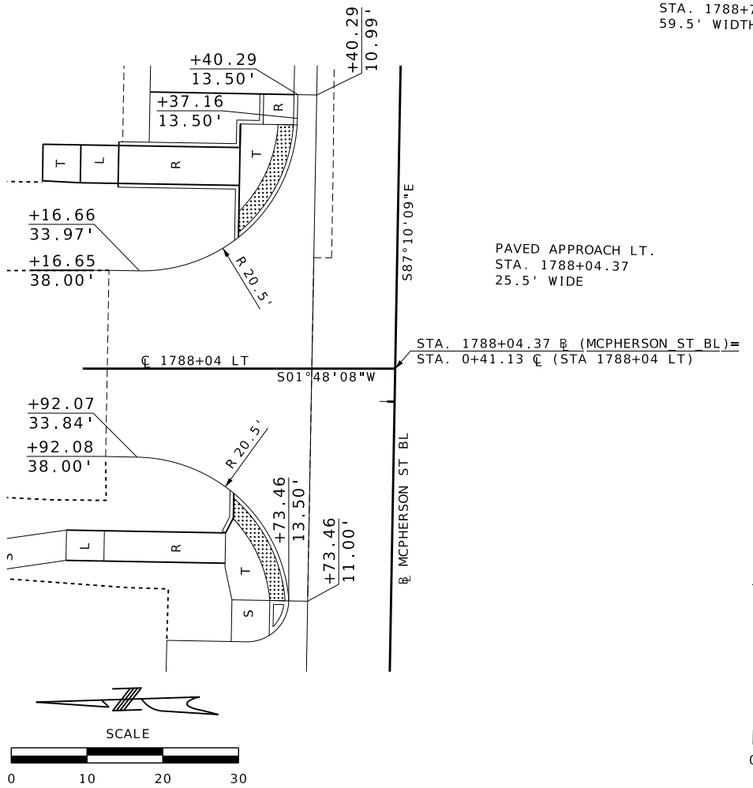
BRIDGE NO.

DESCRIPTION	DATE

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

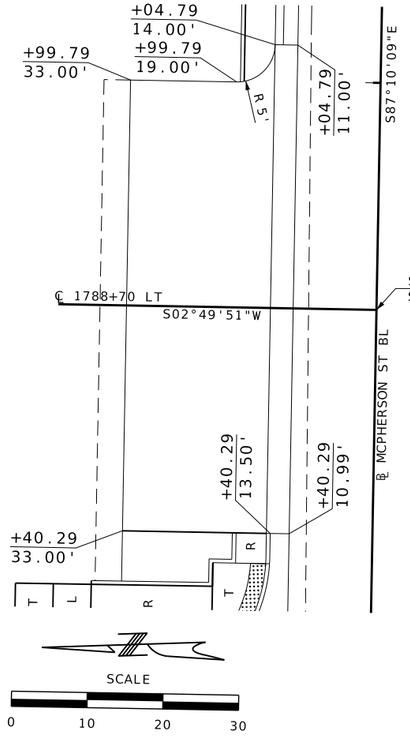
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

olsson
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592

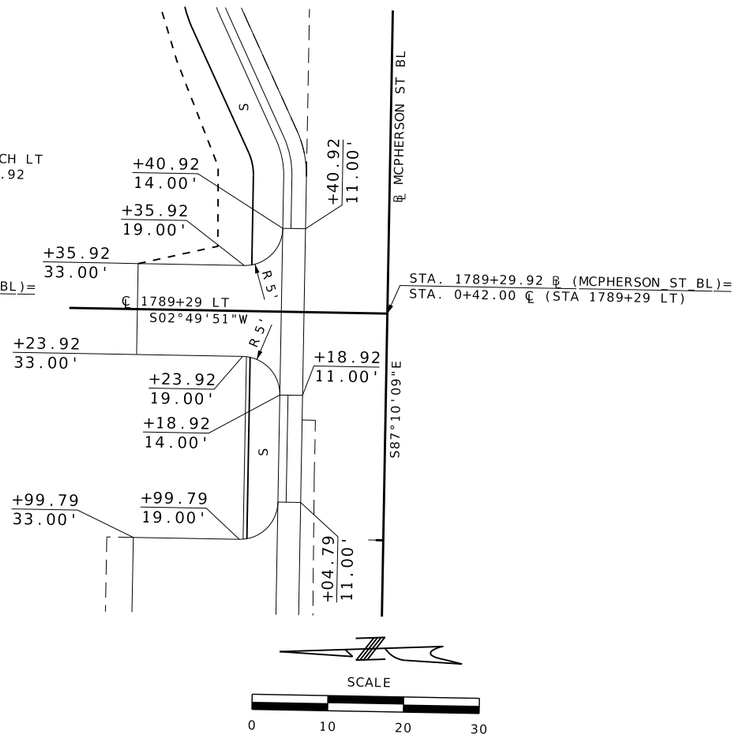


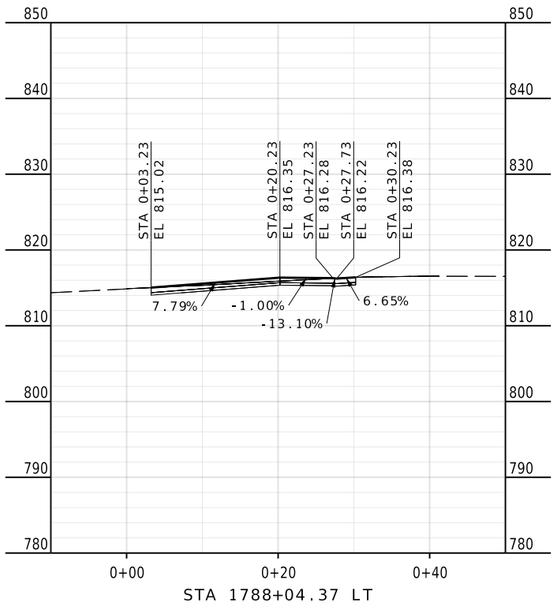
PAVED APPROACH LT.
STA. 1788+04.37
25.5' WIDE

PAVED APPROACH LT.
STA. 1788+70.04
59.5' WIDTH

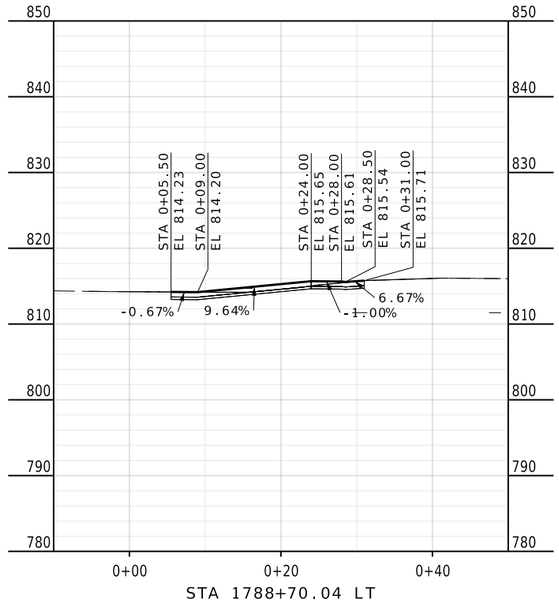


PAVED APPROACH LT
STA. 1789+29.92
12.0' WIDTH

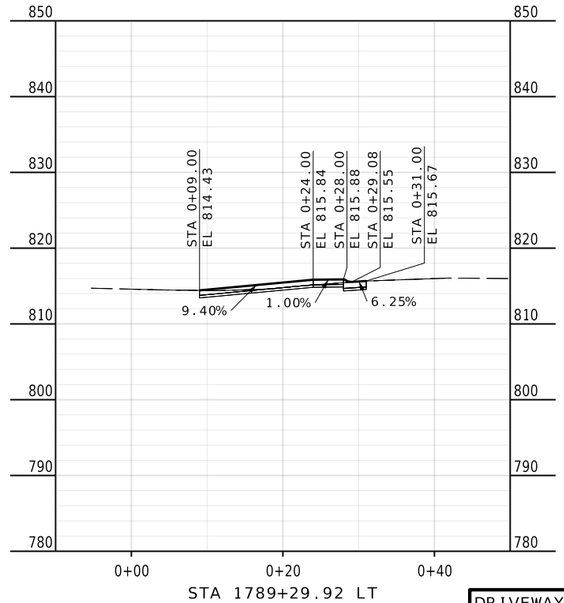




STA 1788+04.37 LT



STA 1788+70.04 LT



STA 1789+29.92 LT

DRIVEWAY PROFILES
SPECIAL SHEET
SHEET 22 OF 38

REID BRENNEN CATT NUMBER PE-2010019516

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	52

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

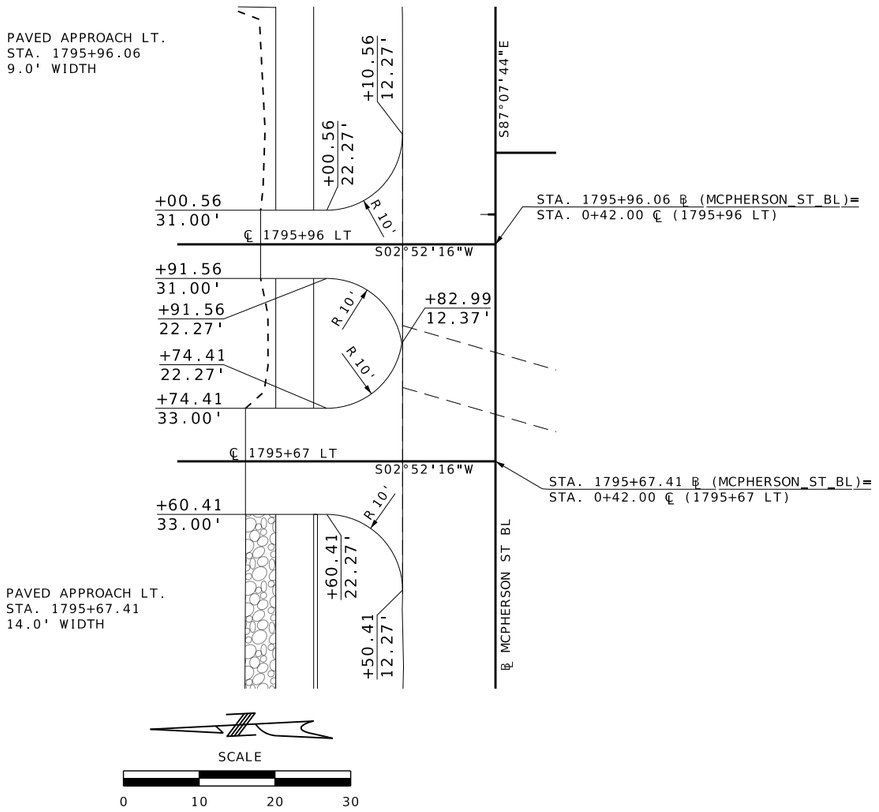
BRIDGE NO.

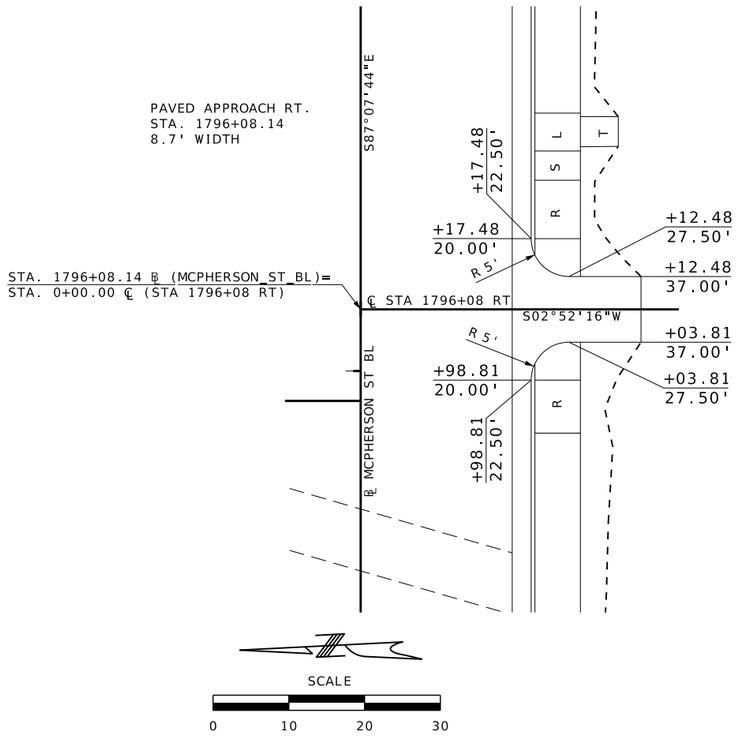
DATE	DESCRIPTION

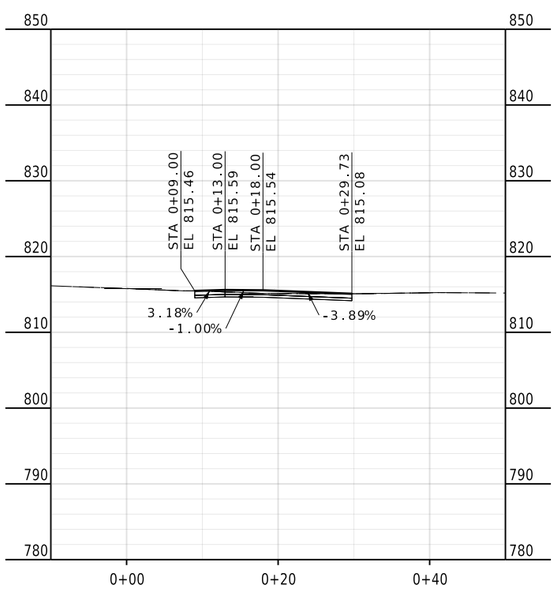
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

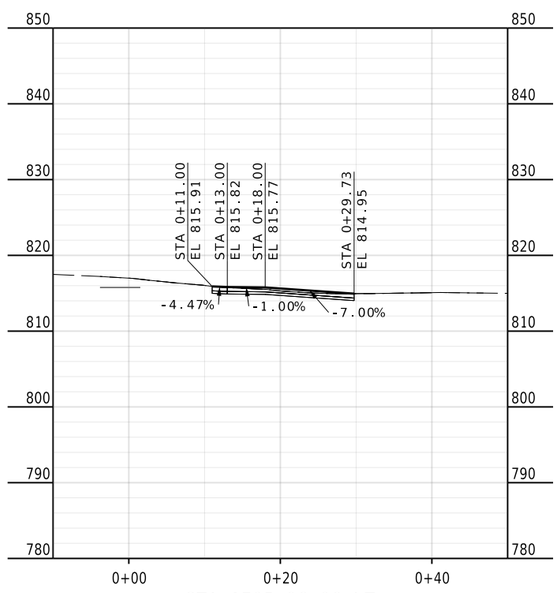
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

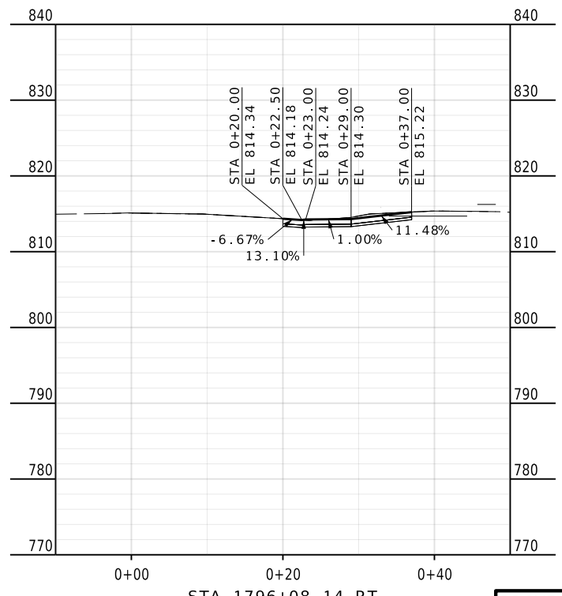
olsson
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592











DRIVEWAY PROFILES
SPECIAL SHEET
SHEET 23 OF 38

REID BRENNEN CATT NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	53

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

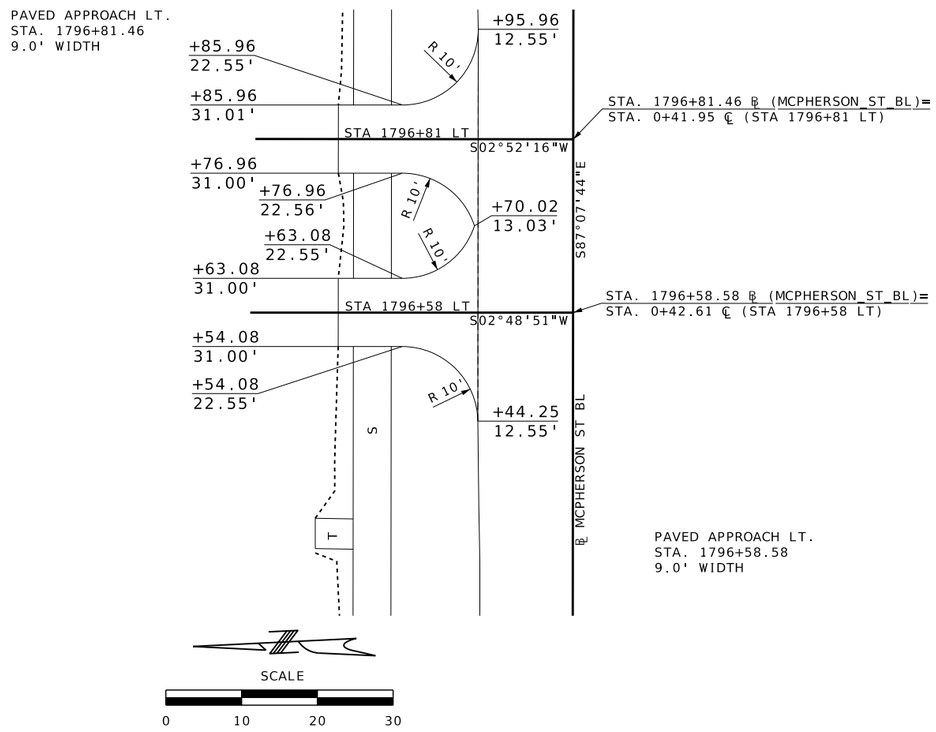
BRIDGE NO.

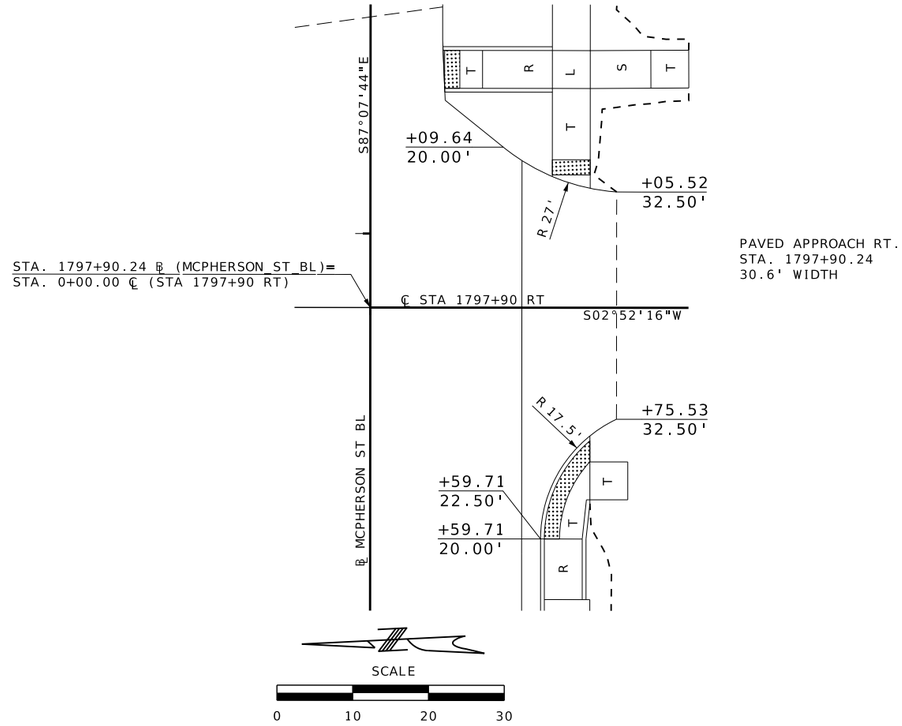
DESCRIPTION	DATE

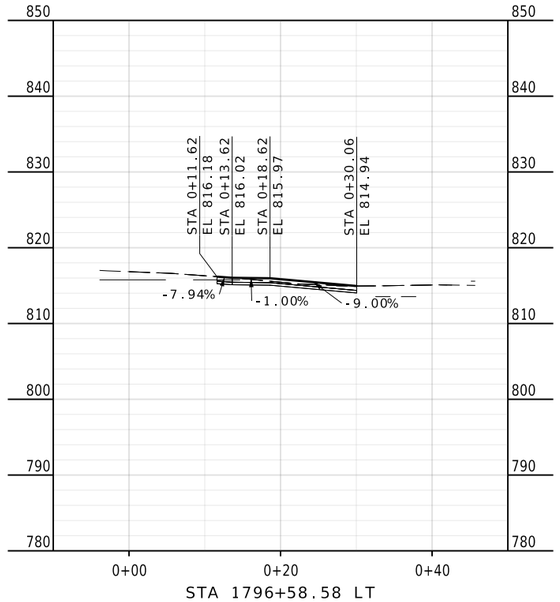
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

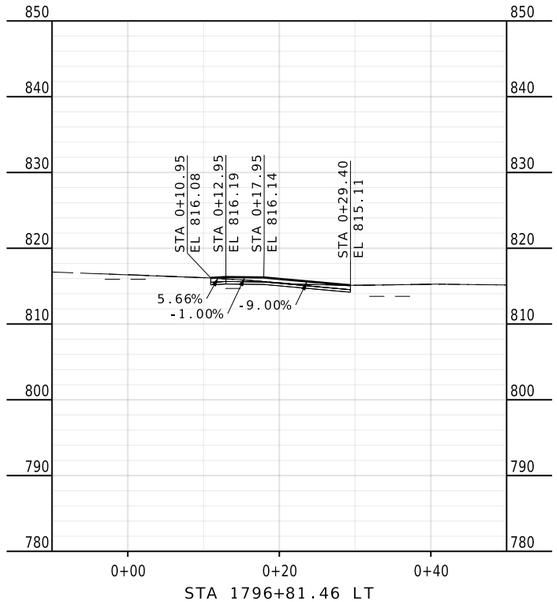
olsson
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592



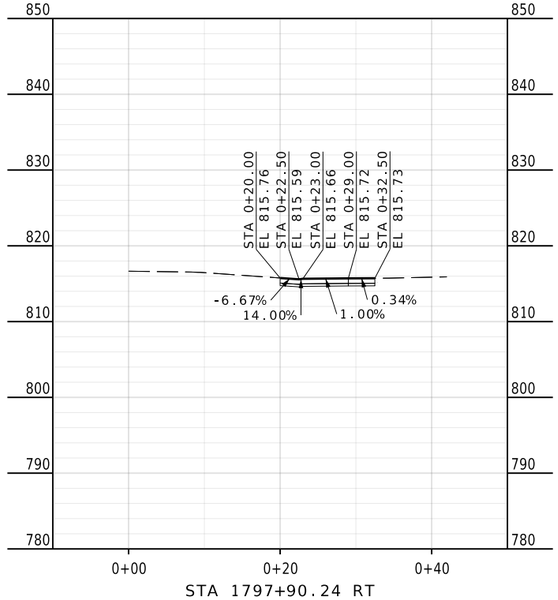




STA 1796+58.58 LT



STA 1796+81.46 LT



STA 1797+90.24 RT

DRIVEWAY PROFILES
SPECIAL SHEET
SHEET 24 OF 38

REID BRENNEN CATT NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	54

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

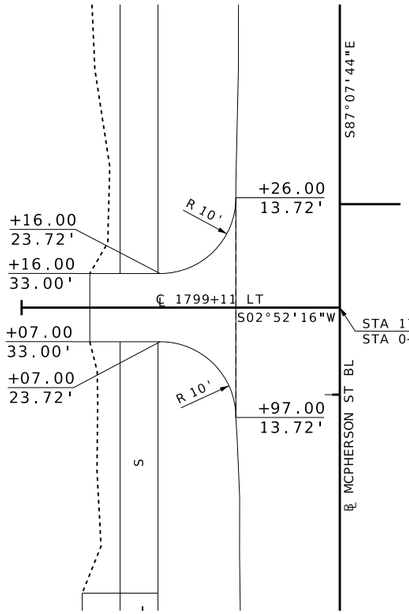
BRIDGE NO.

DESCRIPTION	DATE

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

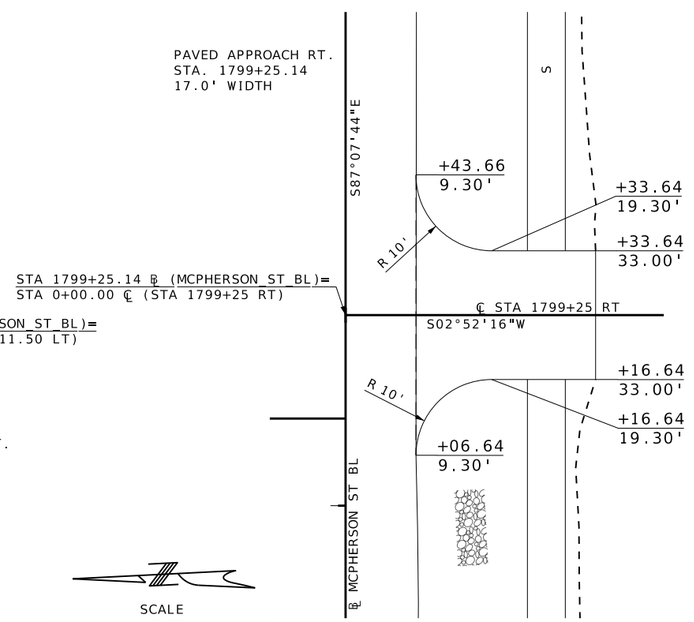
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

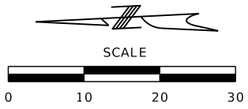
olsson
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592



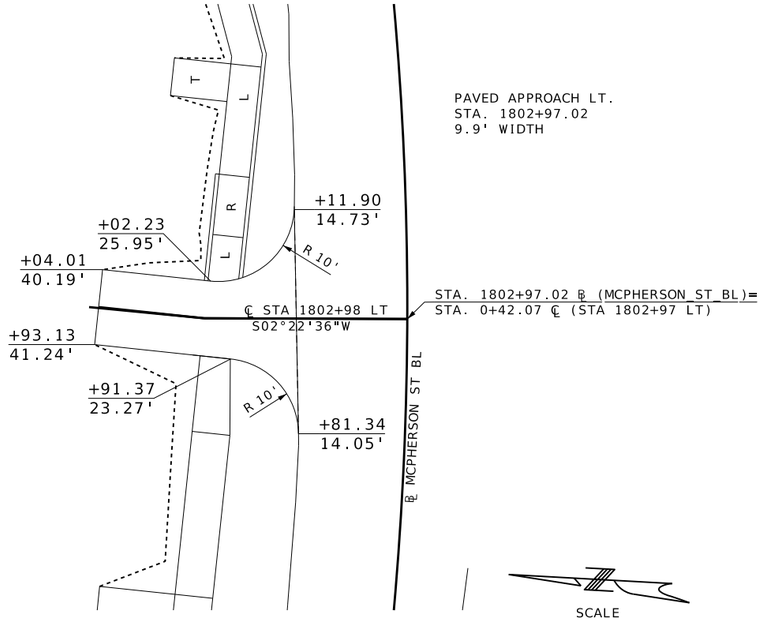
PAVED APPROACH LT.
STA. 1799+11.50
9.0' WIDTH

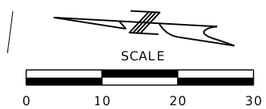
PAVED APPROACH RT.
STA. 1799+25.14
17.0' WIDTH

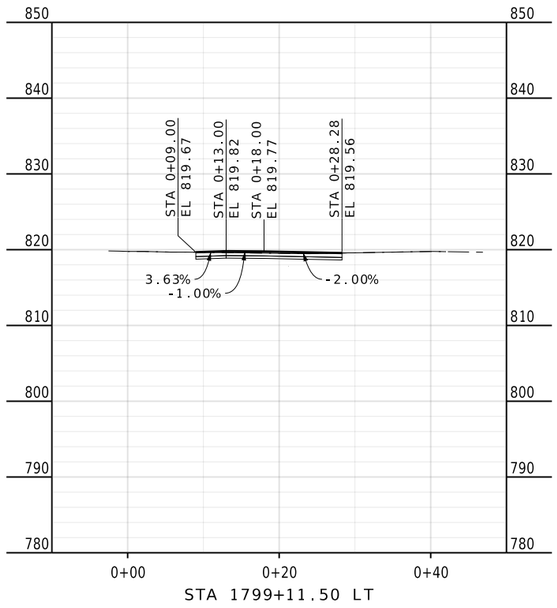




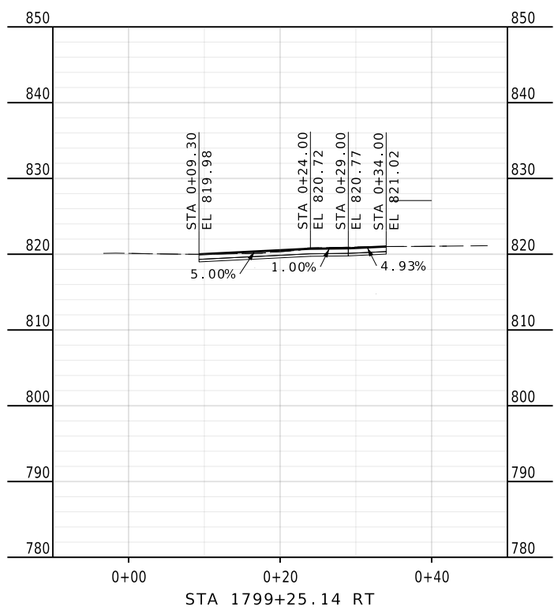
PAVED APPROACH LT.
STA. 1802+97.02
9.9' WIDTH



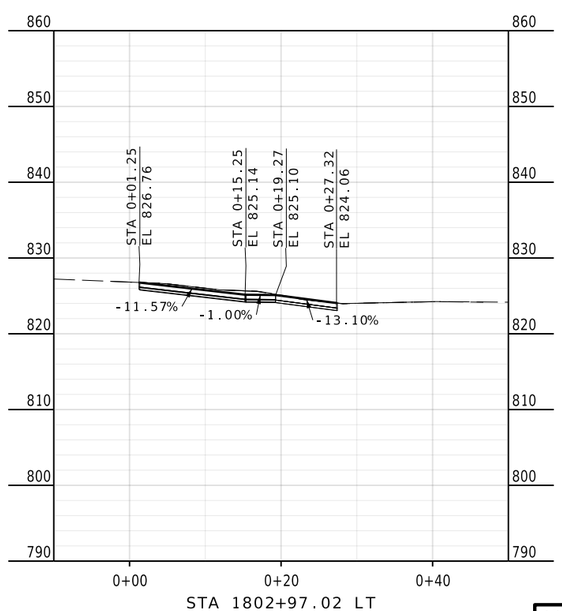




STA 1799+11.50 LT



STA 1799+25.14 RT



STA 1802+97.02 LT

DRIVEWAY PROFILES
SPECIAL SHEET
SHEET 25 OF 38

REID BRENNEN CATT
NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	55

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

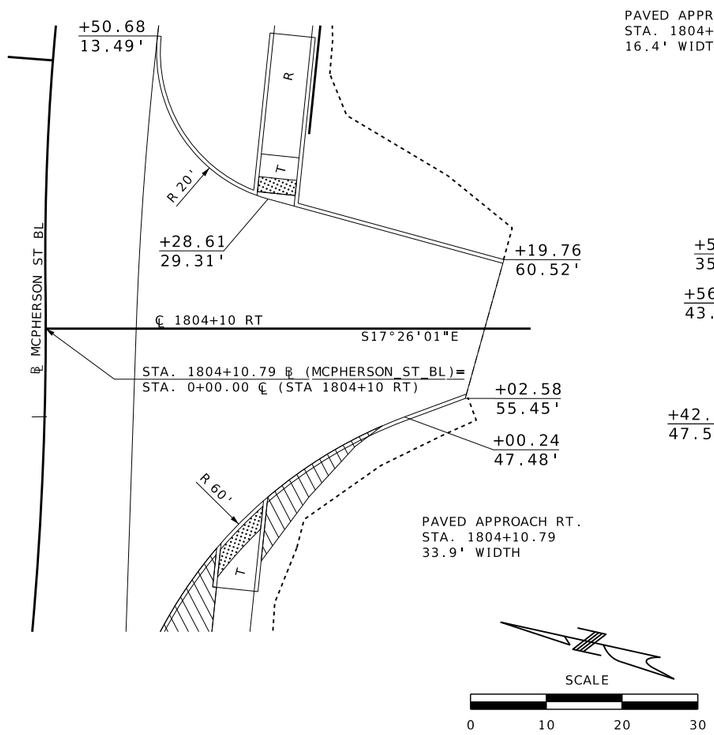
DESCRIPTION	DATE

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

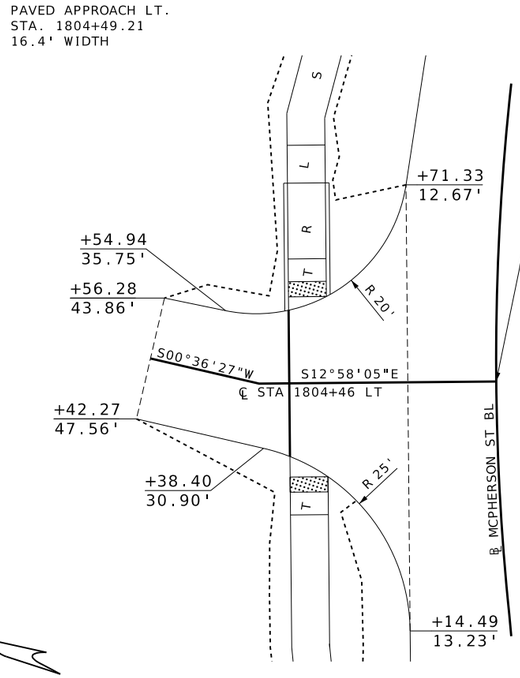
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

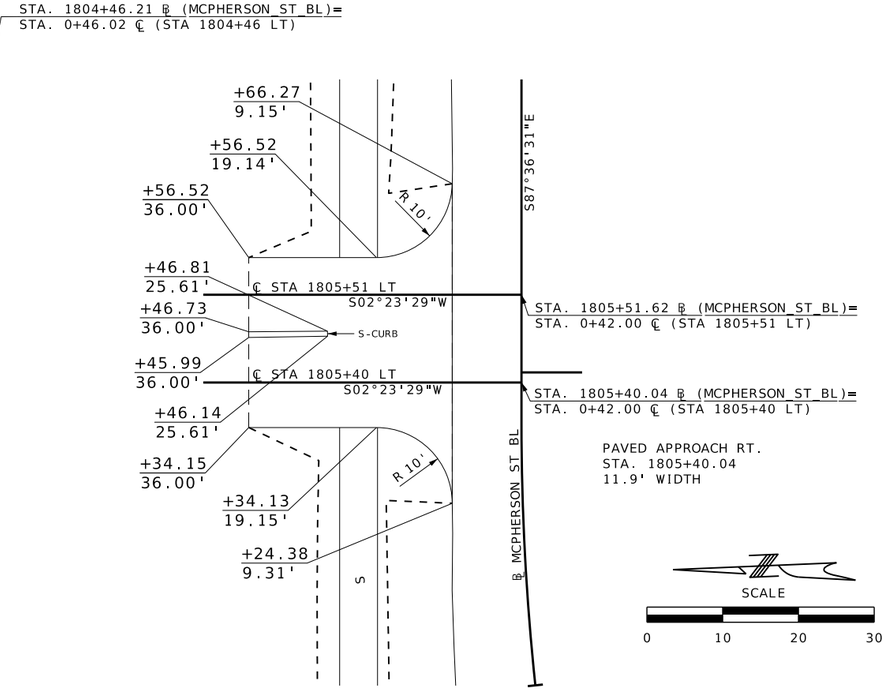
olsson
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592

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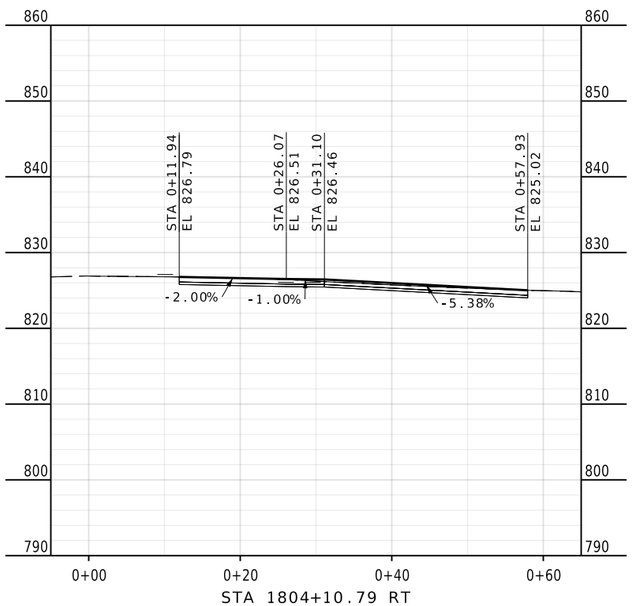


PAVED APPROACH RT.
STA. 1804+10.79
33.9' WIDTH

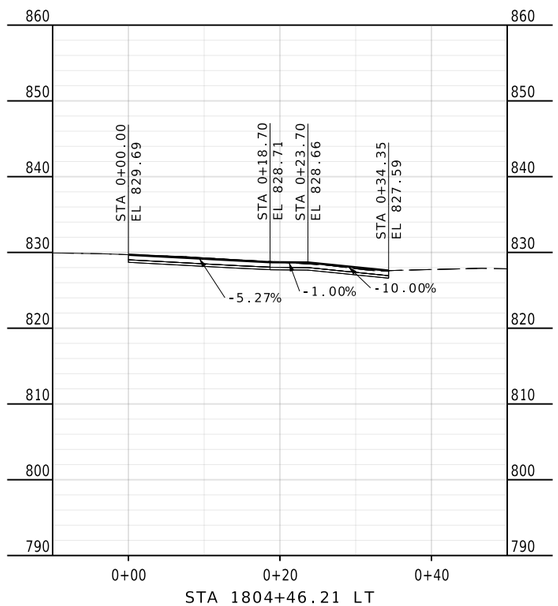




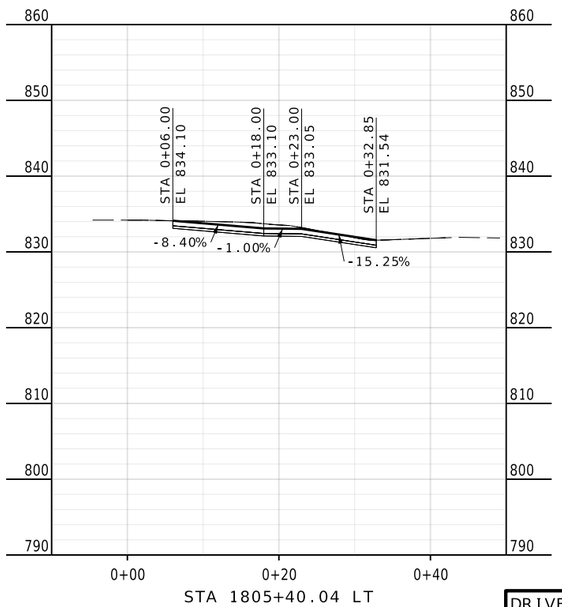
PAVED APPROACH RT.
STA. 1805+40.04
11.9' WIDTH



STA 1804+10.79 RT



STA 1804+46.21 LT



STA 1805+40.04 LT

DRIVEWAY PROFILES
SPECIAL SHEET
SHEET 26 OF 38

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	56

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

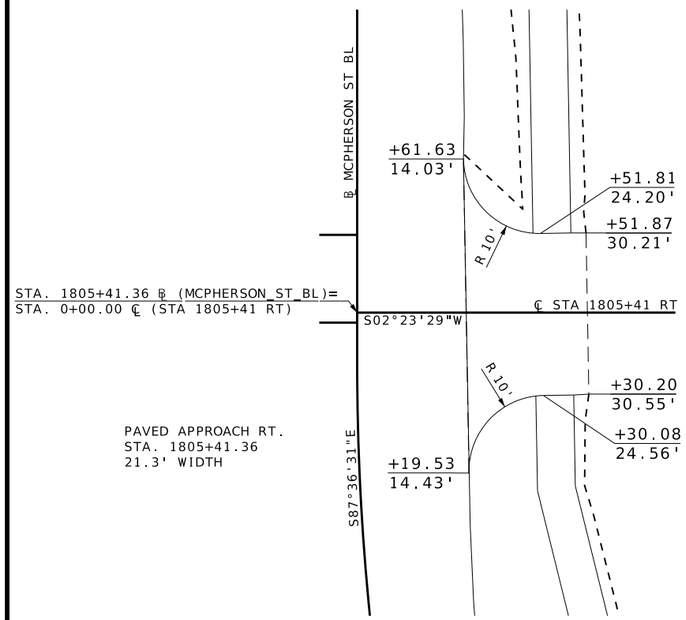
DESCRIPTION	DATE

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)

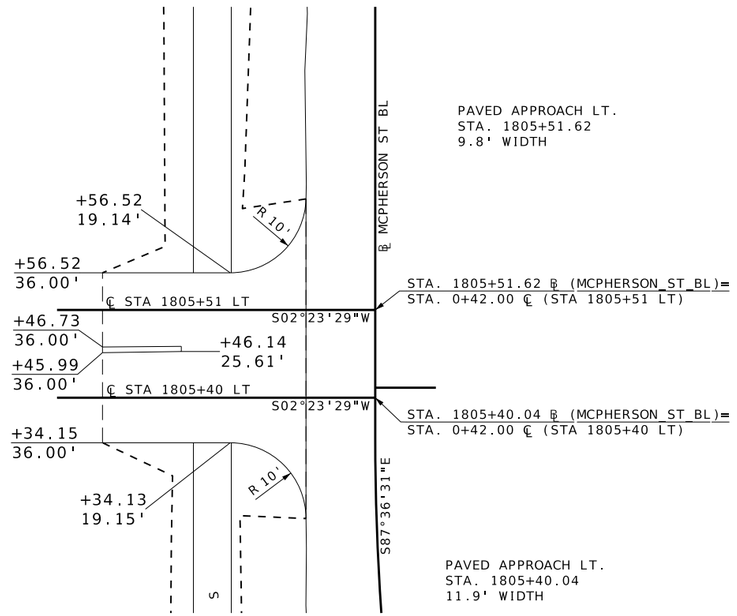
olsson
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592

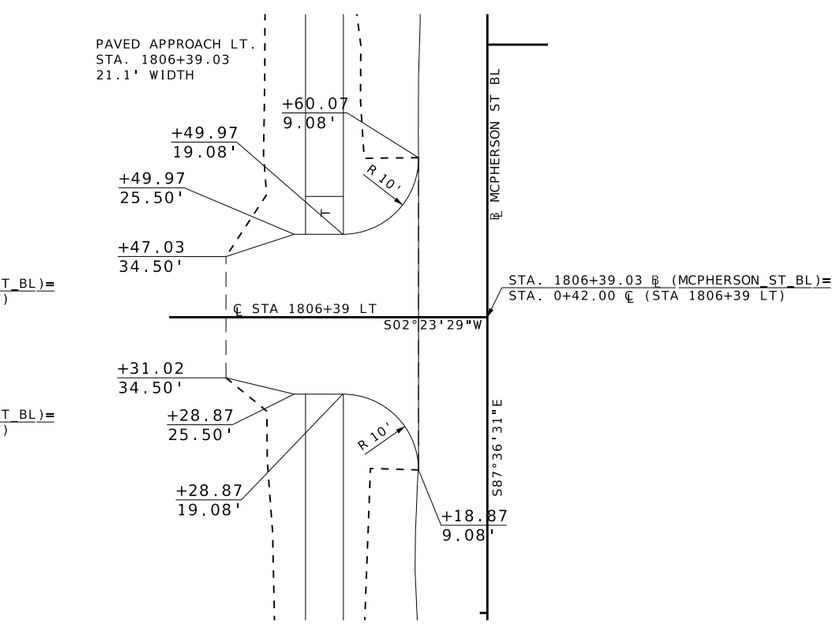
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SCALE

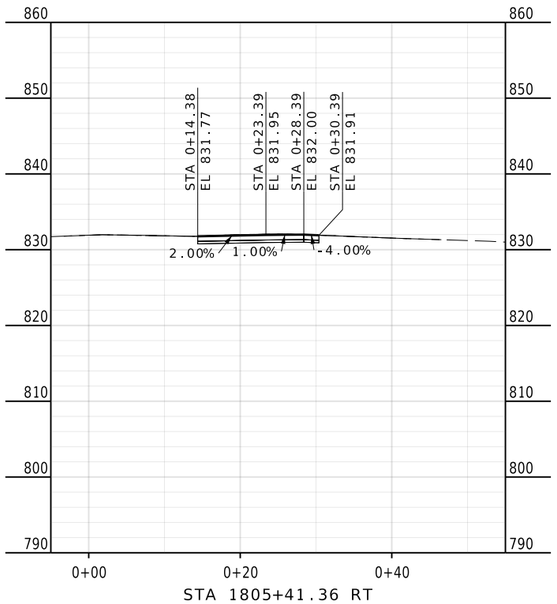
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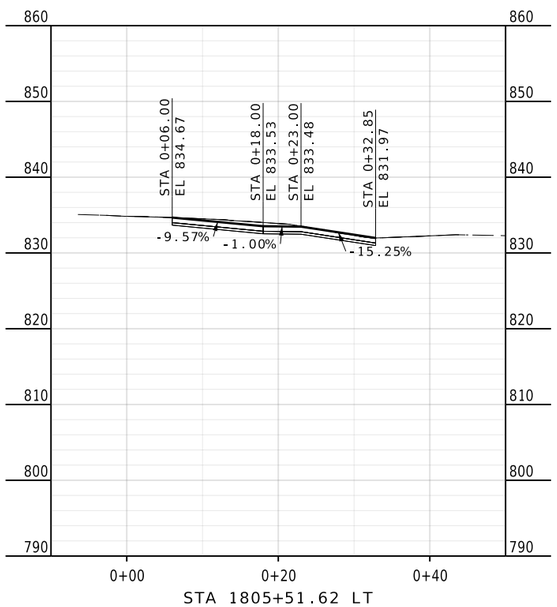


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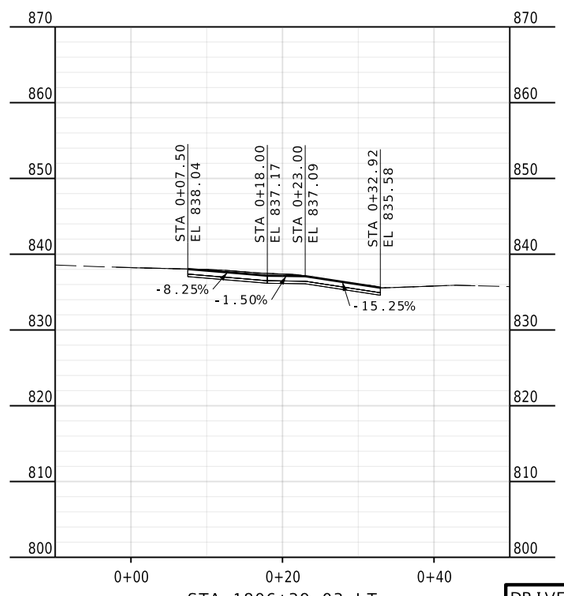
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STA 1805+41.36 RT



STA 1805+51.62 LT



STA 1806+39.03 LT

DRIVEWAY PROFILES
SPECIAL SHEET
SHEET 27 OF 38

REID BRENNEN CATT NUMBER PE-2010019516

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	57

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

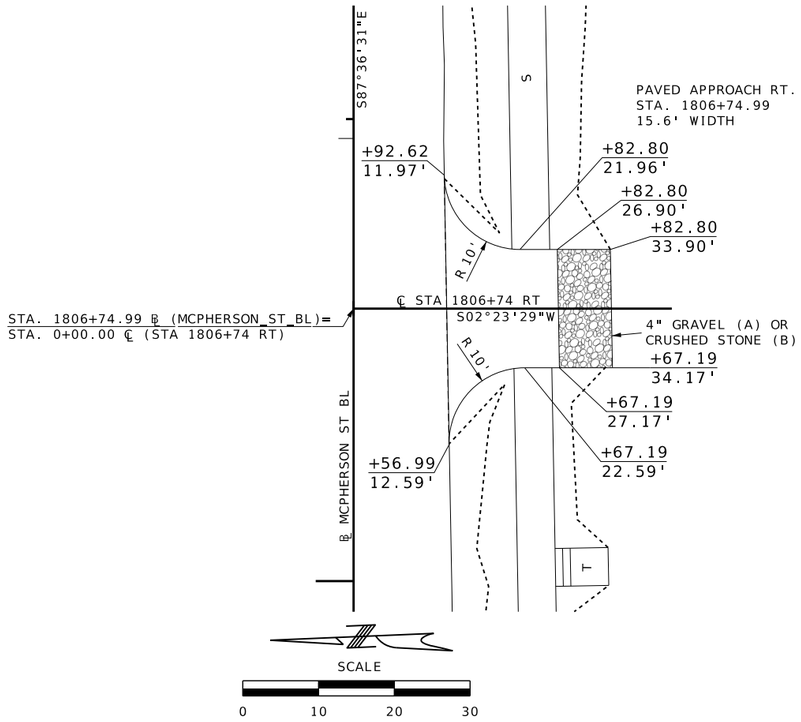
BRIDGE NO.

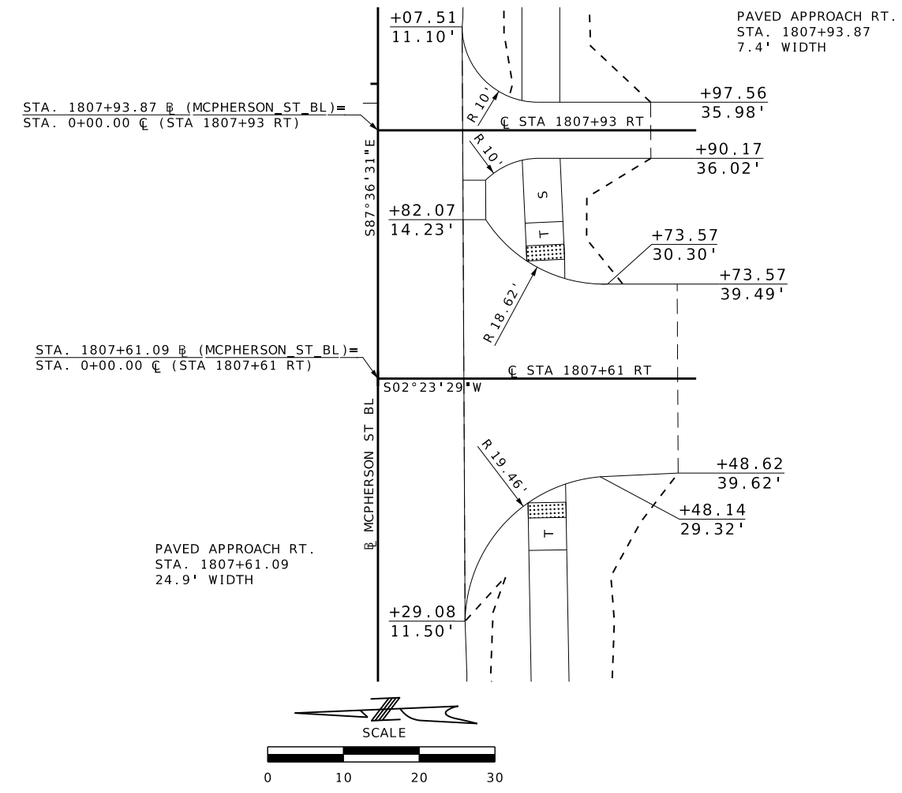
DESCRIPTION	DATE

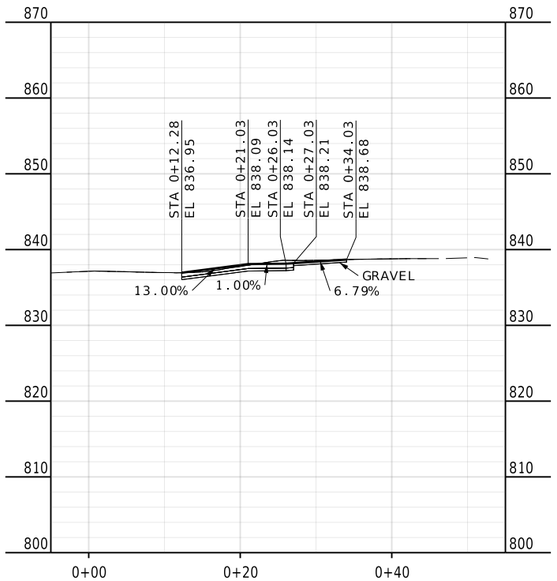
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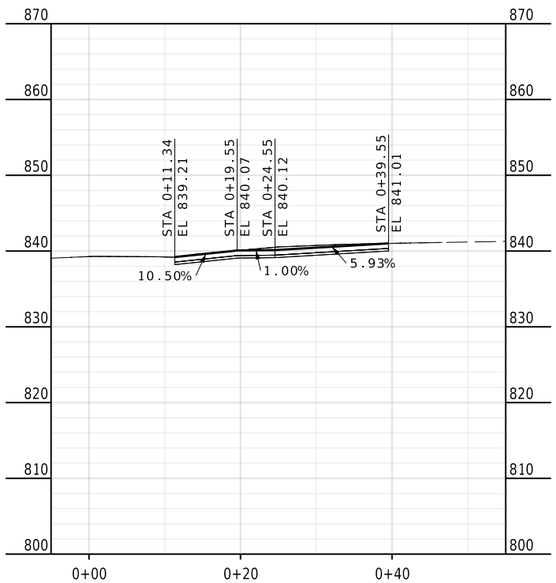
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

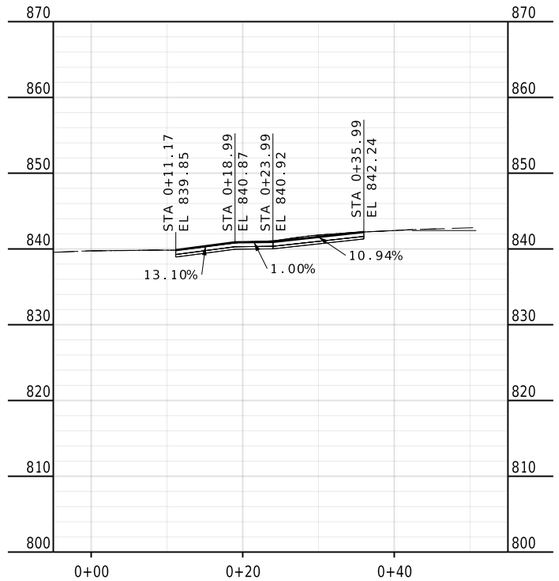
olsson
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592











DRIVEWAY PROFILES
SPECIAL SHEET
SHEET 28 OF 38

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	58

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

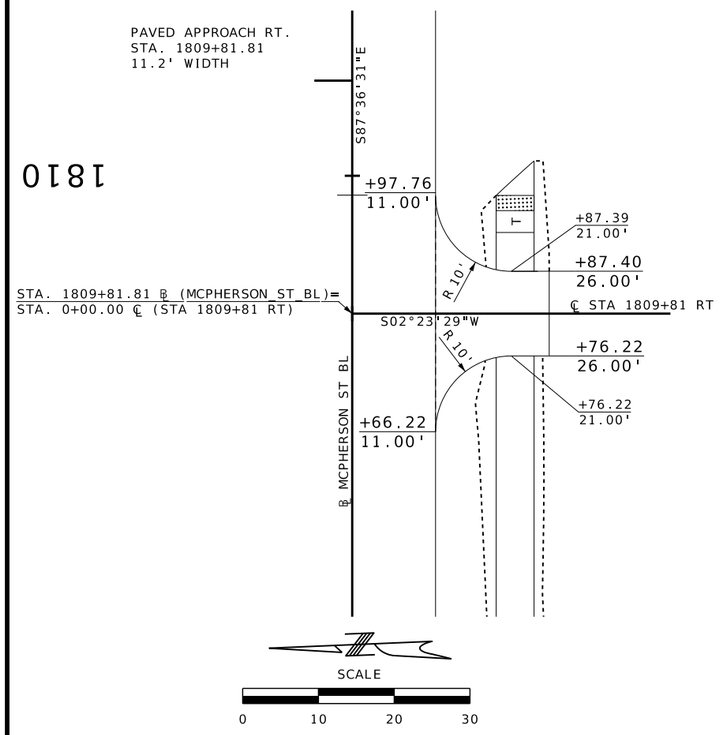
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

olsson
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592

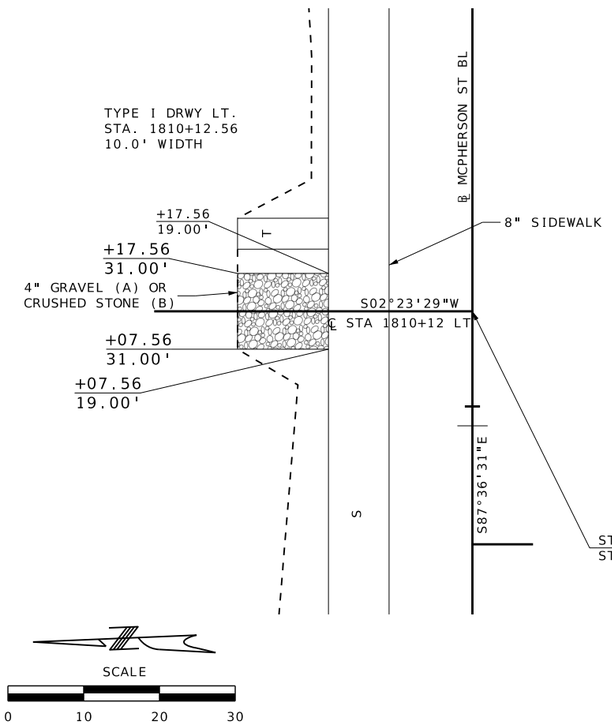
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PAVED APPROACH RT.
STA. 1809+81.81
11.2' WIDTH



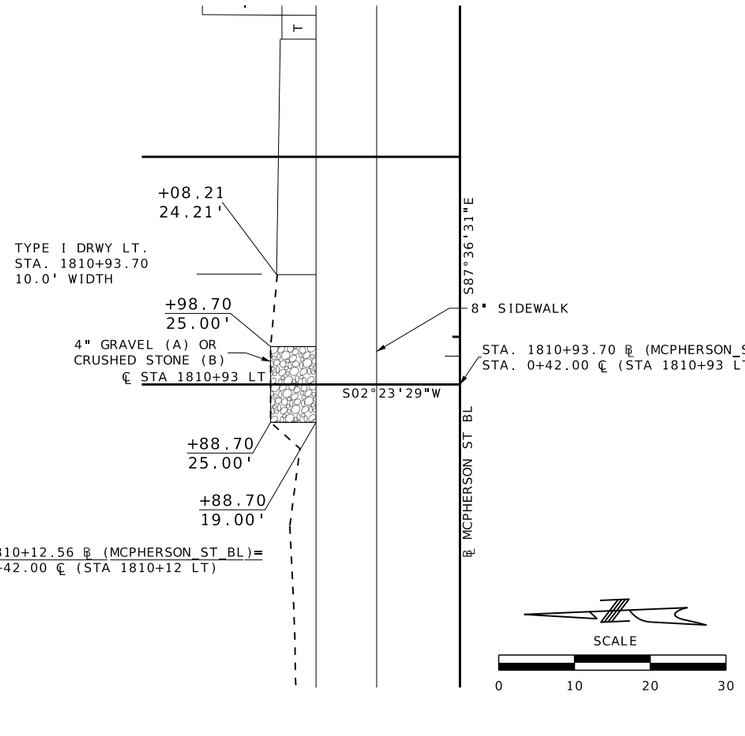
SCALE
0 10 20 30

TYPE I DRWY LT.
STA. 1810+12.56
10.0' WIDTH

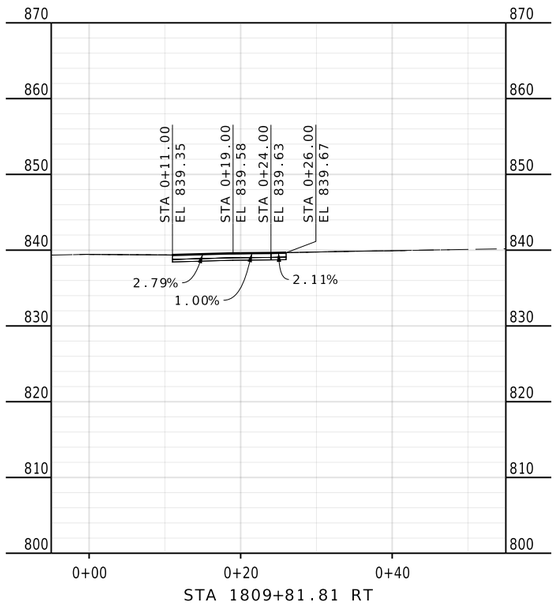


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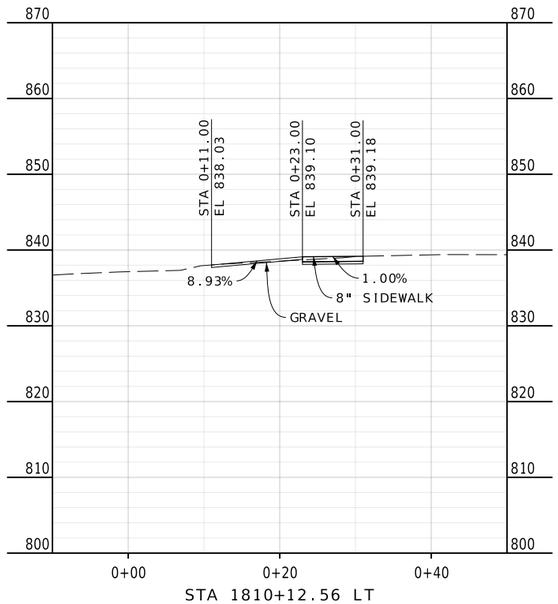
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STA. 1810+93.70
10.0' WIDTH



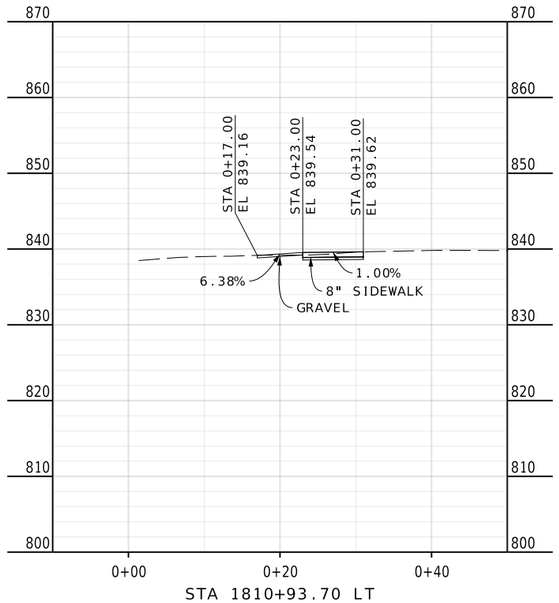
SCALE
0 10 20 30



STA 1809+81.81 RT



STA 1810+12.56 LT



STA 1810+93.70 LT

DRIVEWAY PROFILES
SPECIAL SHEET
SHEET 29 OF 38

REID BRENNEN CATT NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	59

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

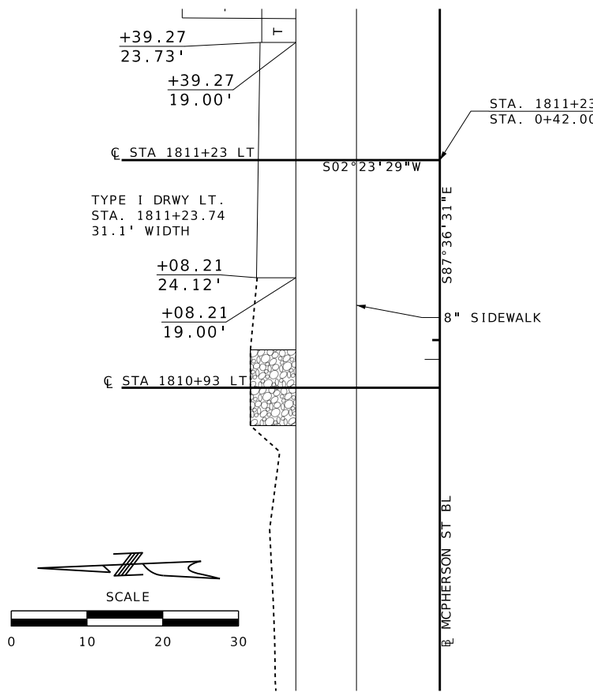
DESCRIPTION	DATE

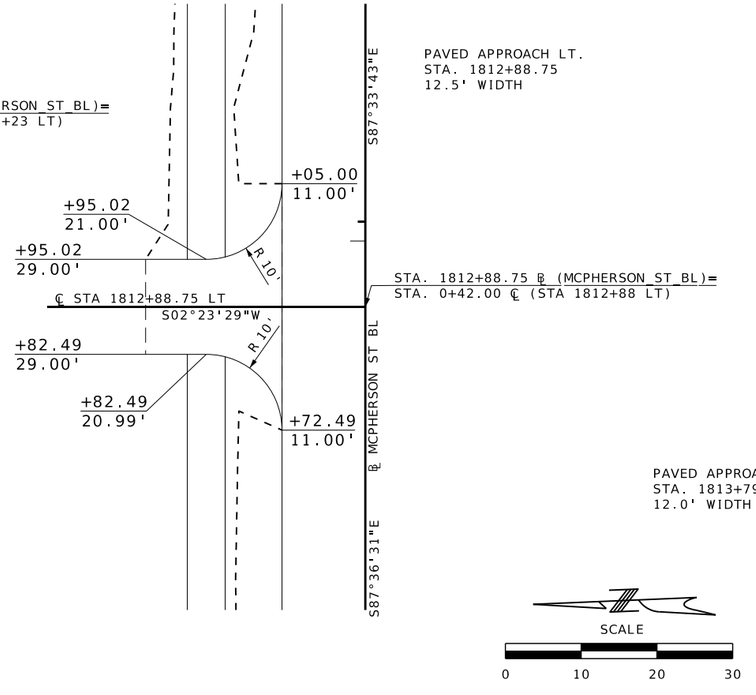
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

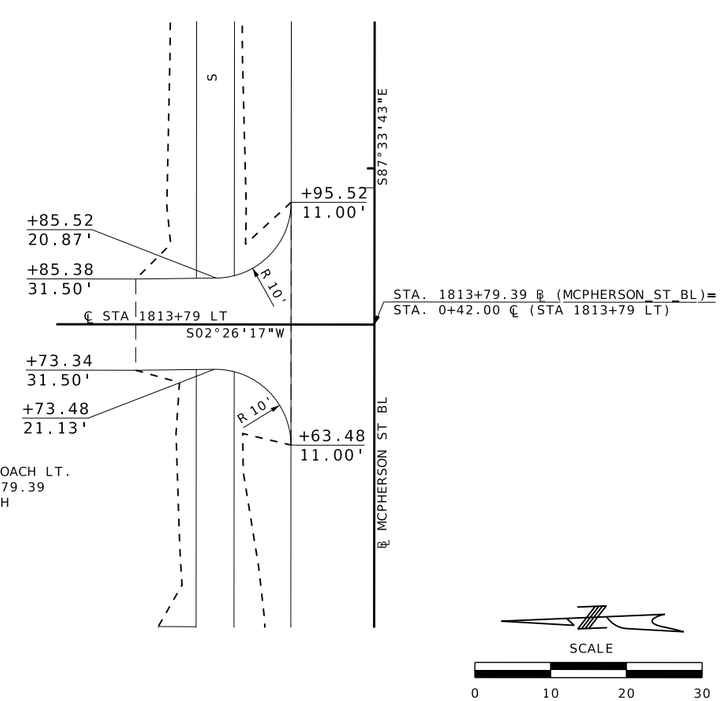
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

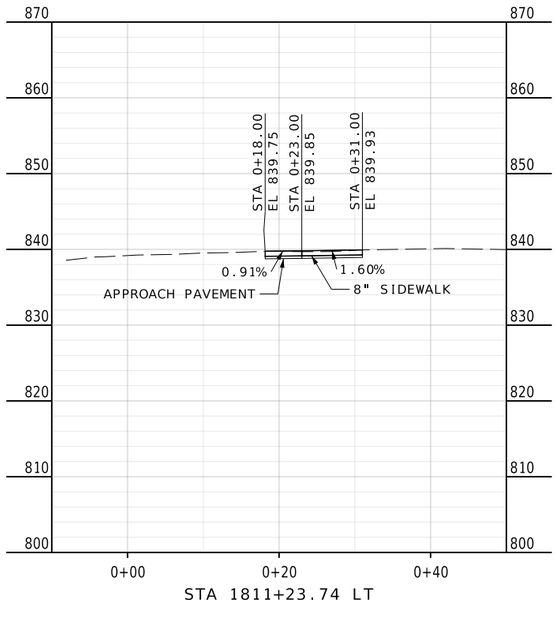
olsson
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592

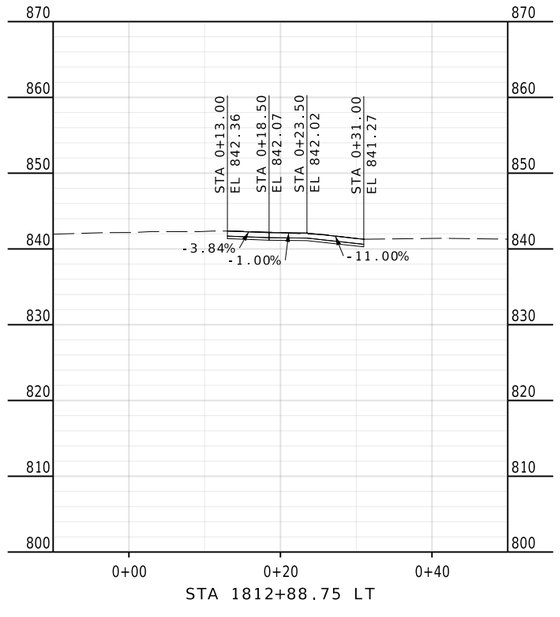
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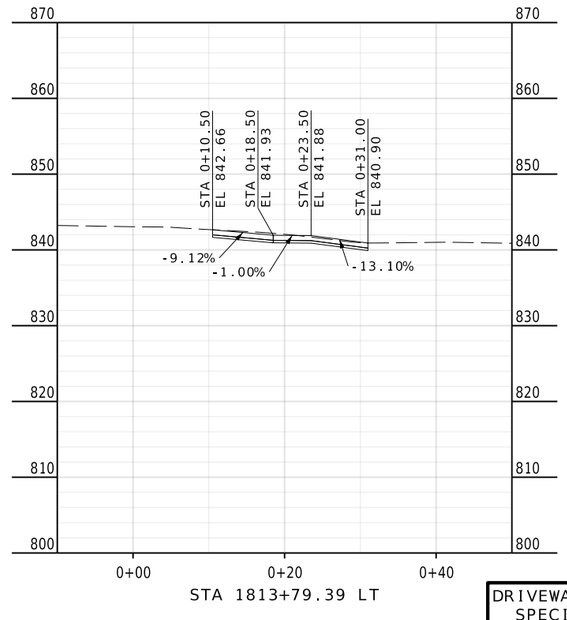












REID BRENNEN CATT NUMBER PE-2010019516

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	60

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

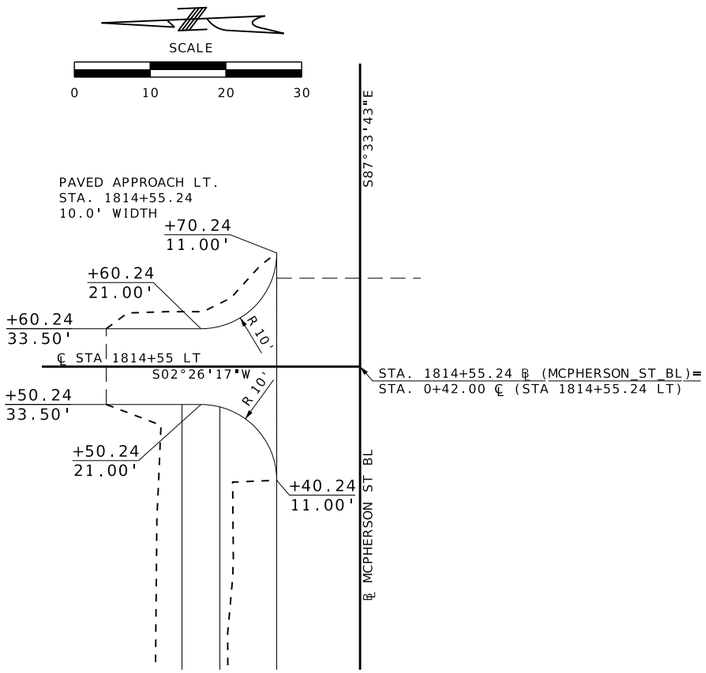
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

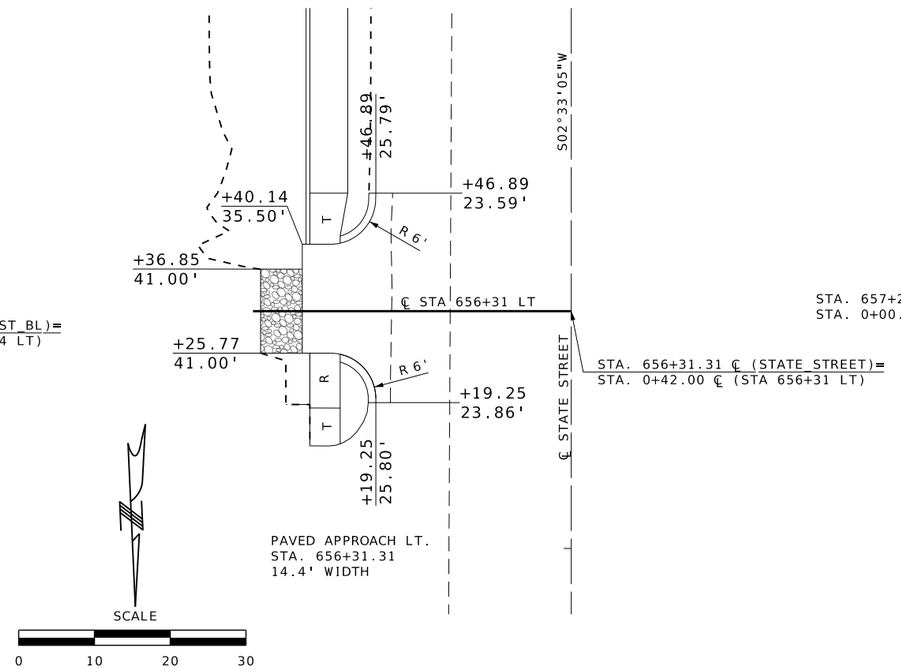
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

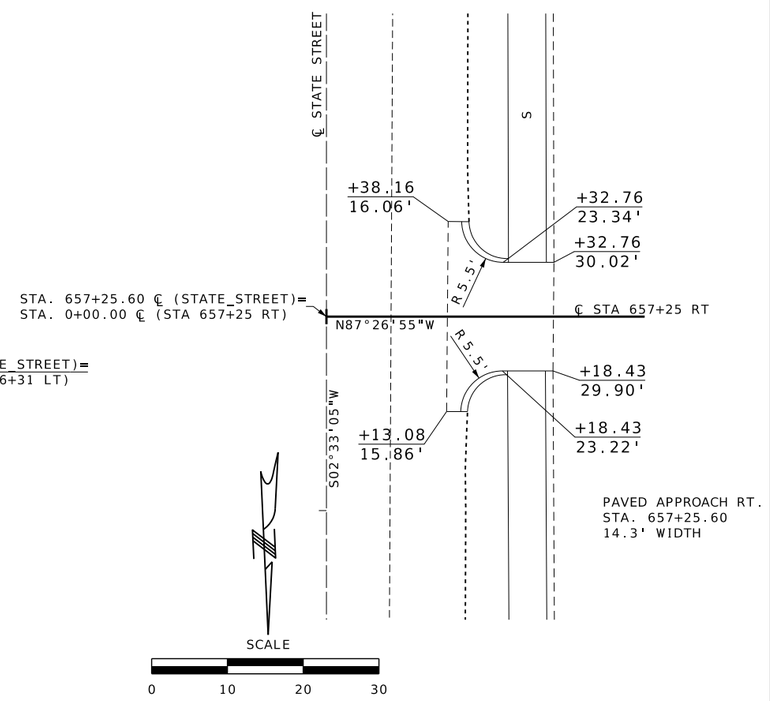
olsson
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592

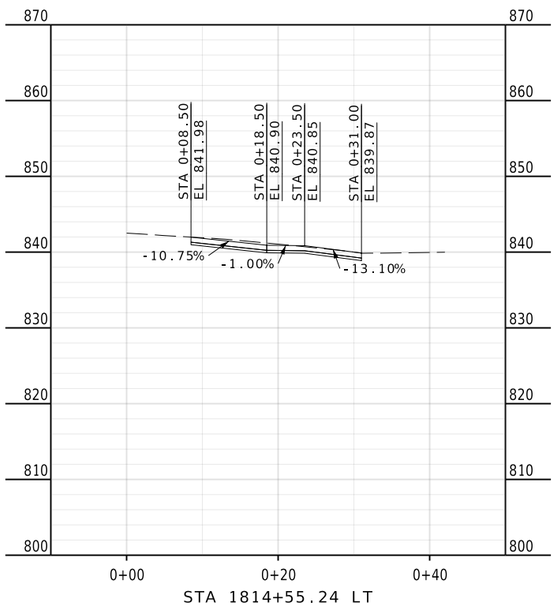
DRIVEWAY PROFILES
SPECIAL SHEET
SHEET 30 OF 38

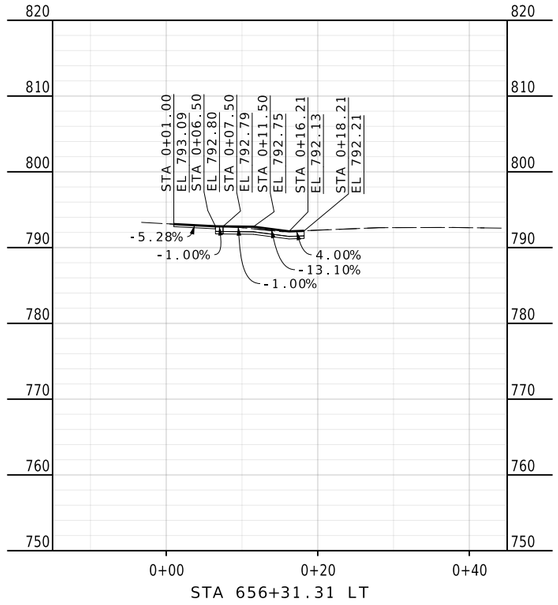
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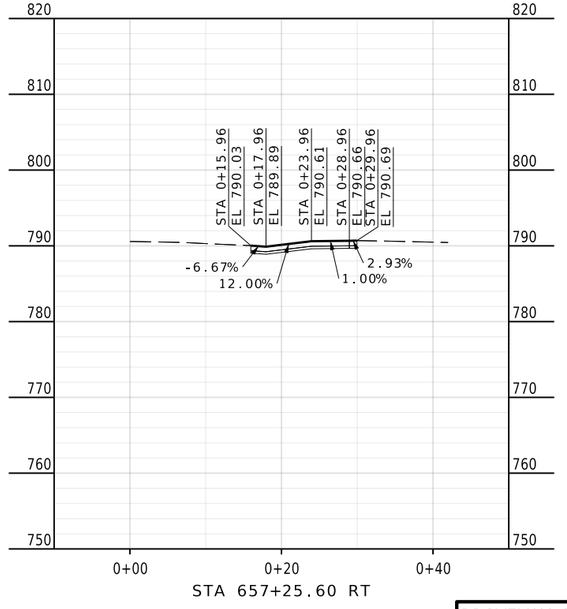












DRIVEWAY PROFILES
SPECIAL SHEET
SHEET 31 OF 38

REID BRENNEN CATT NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	61

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

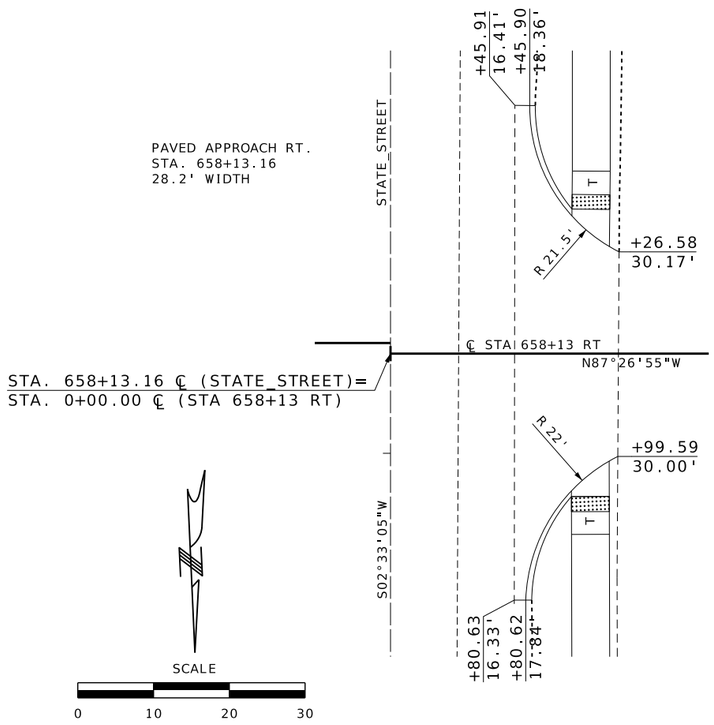
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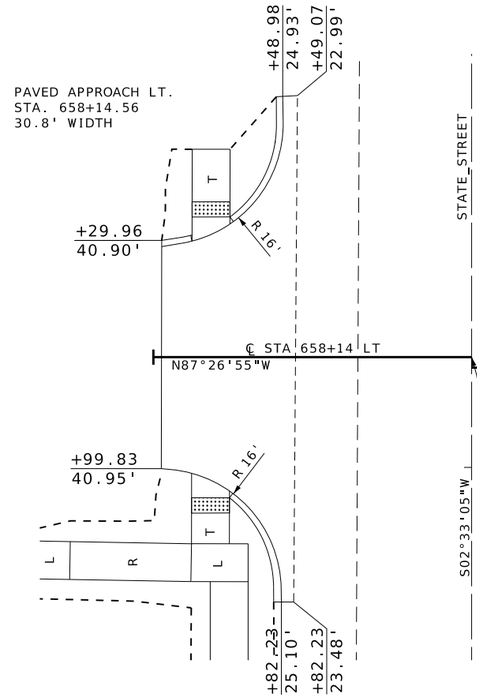
DESCRIPTION	DATE

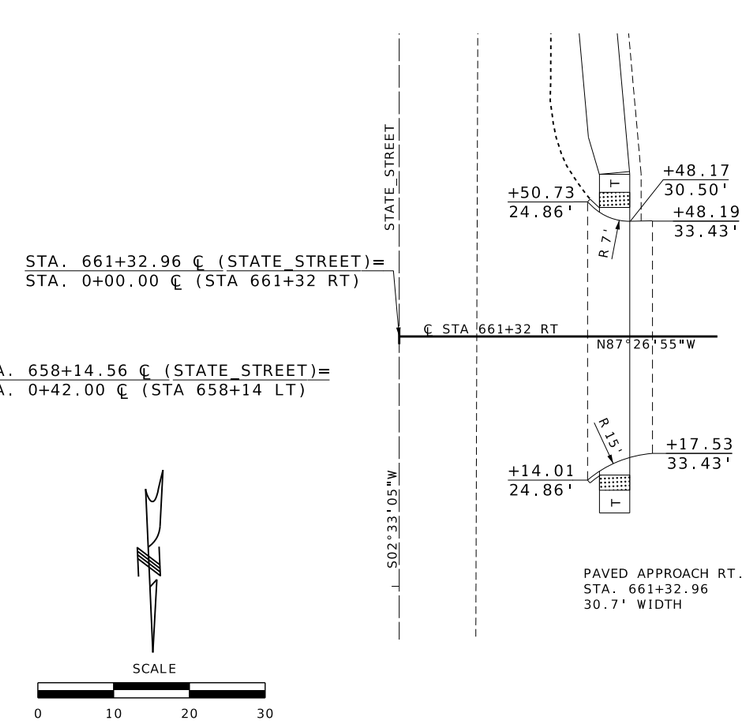
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

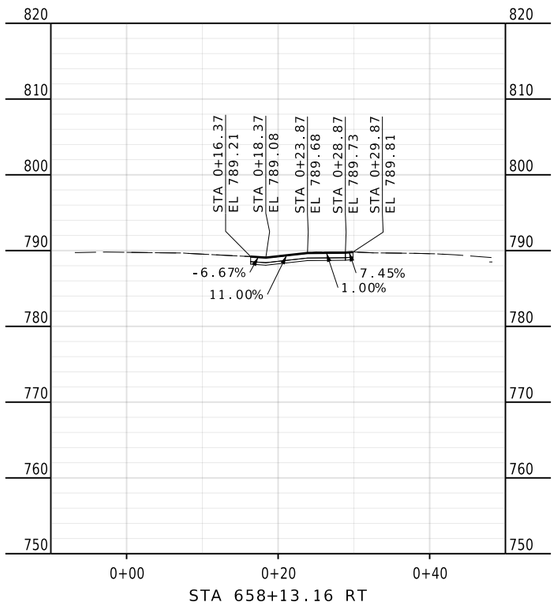
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

olsson
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592

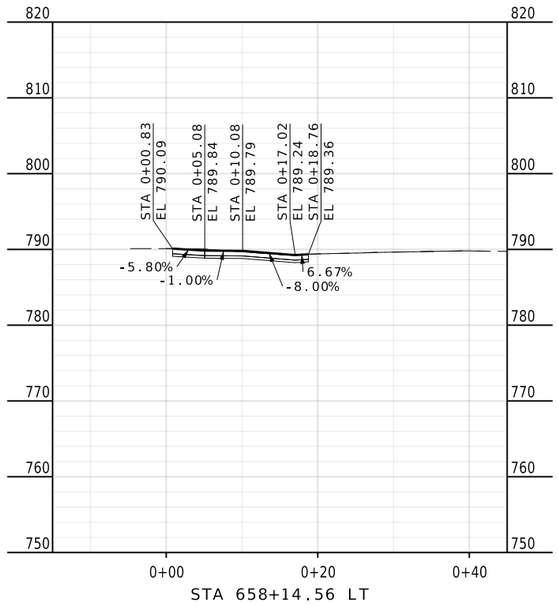




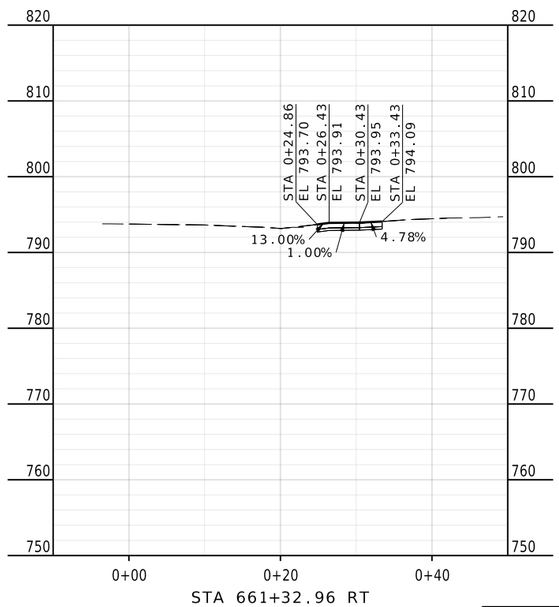




STA 658+13.16 RT



STA 658+14.56 LT



STA 661+32.96 RT

DRIVEWAY PROFILES
SPECIAL SHEET
SHEET 32 OF 38

REID BRENNEN CATT NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	62

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

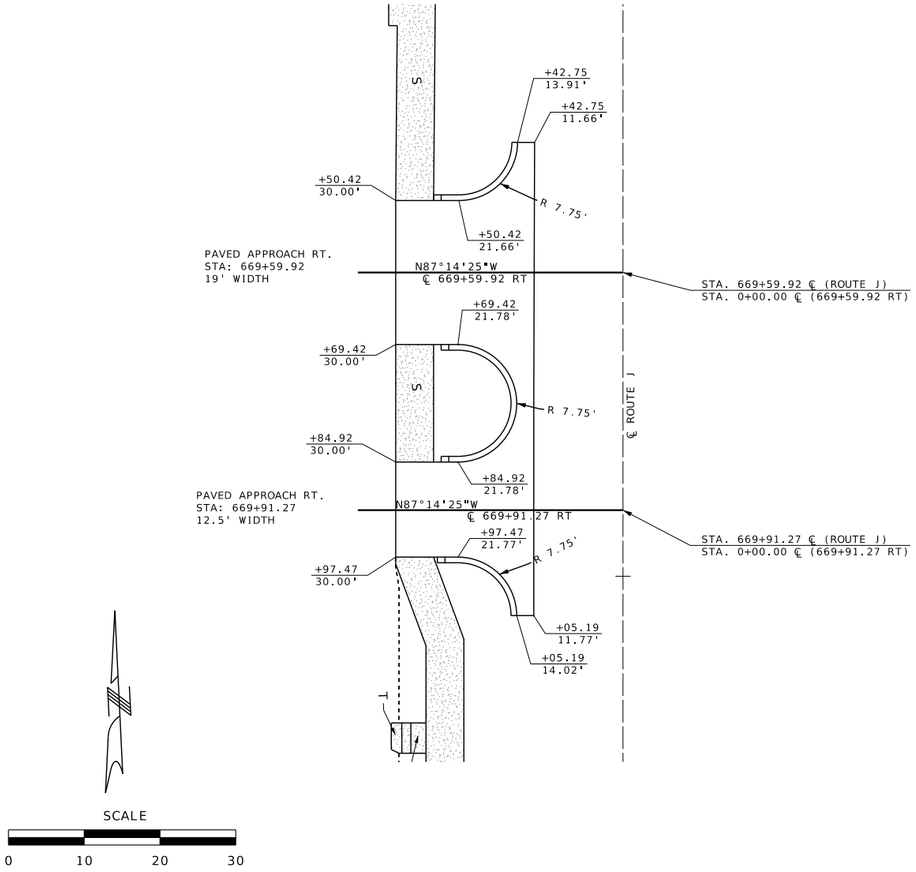
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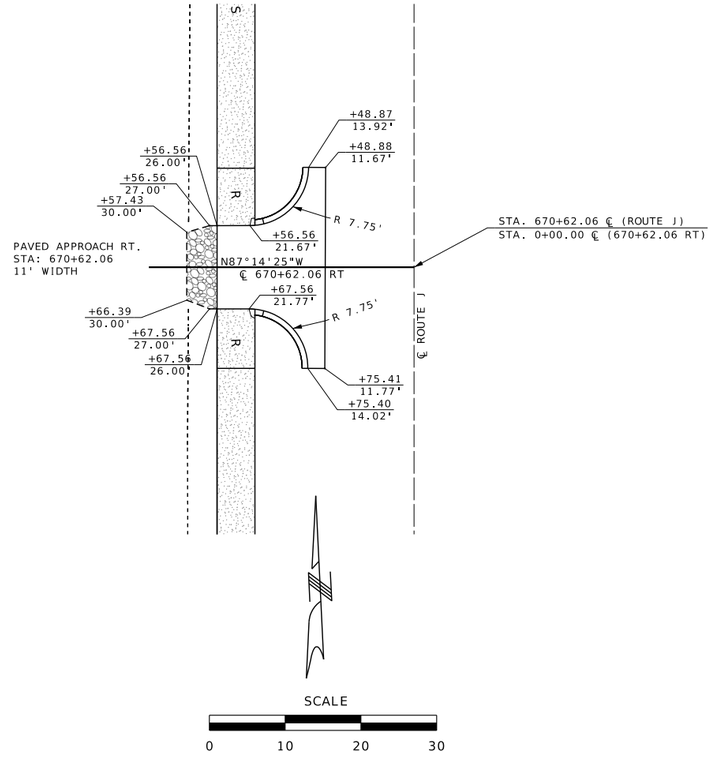
DATE	DESCRIPTION

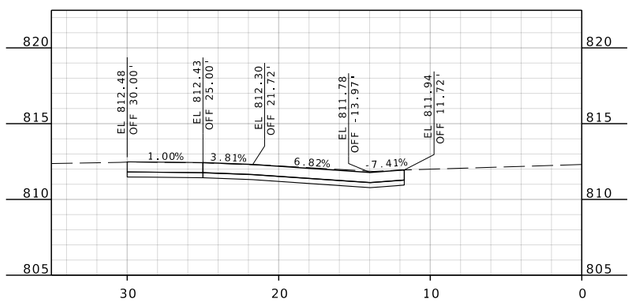
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

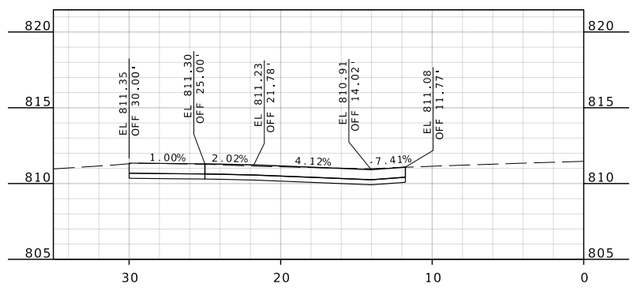
olsson
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592



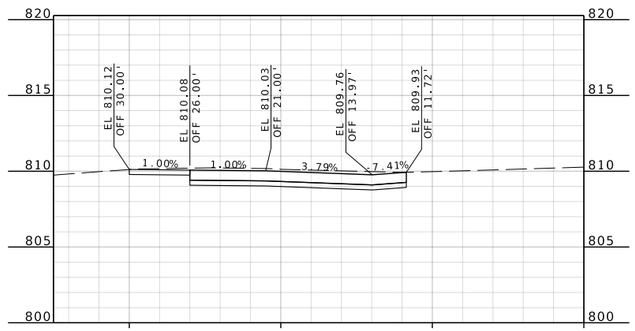




STA 669+59.92 RT



STA 669+91.27 RT



STA 670+62.06 RT

DRIVEWAY PROFILES
SPECIAL SHEETS
SHEET 33 OF 38

WILLIAM R. BUCK
NUMBER PE-025272
STATE OF MISSOURI
PROFESSIONAL ENGINEER

WILLIAM BUCK, P.E.
MISSOURI PE 025272

DATE PREPARED
8/24/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	63

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.
-

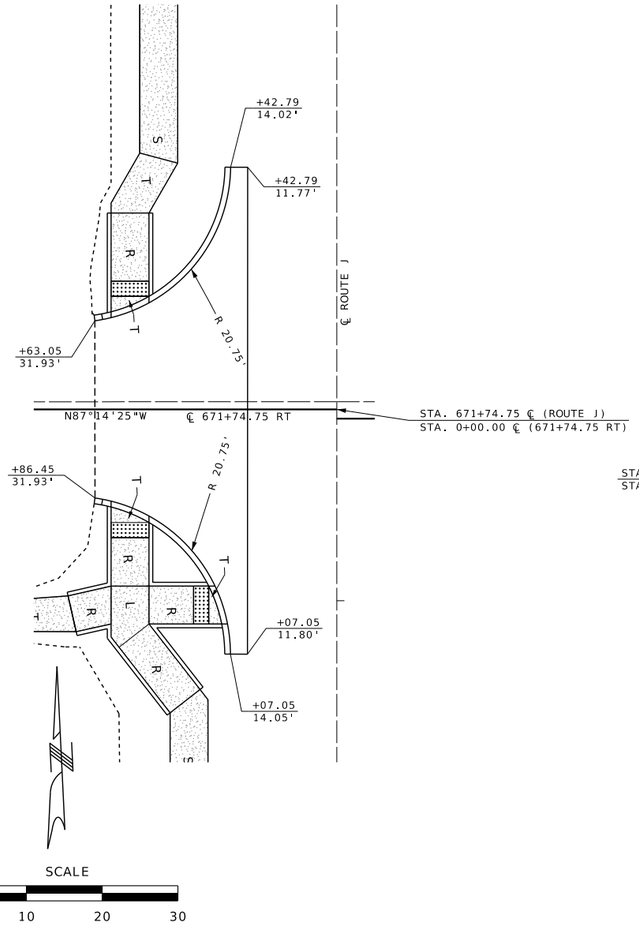
PROJECT NO.
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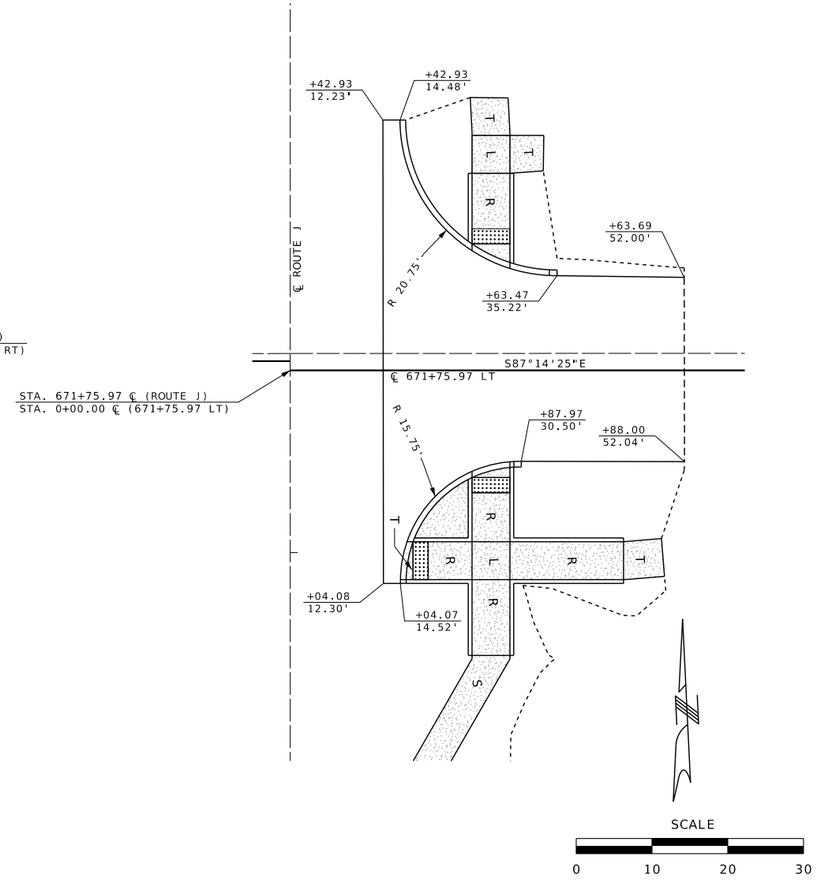
BRIDGE NO.
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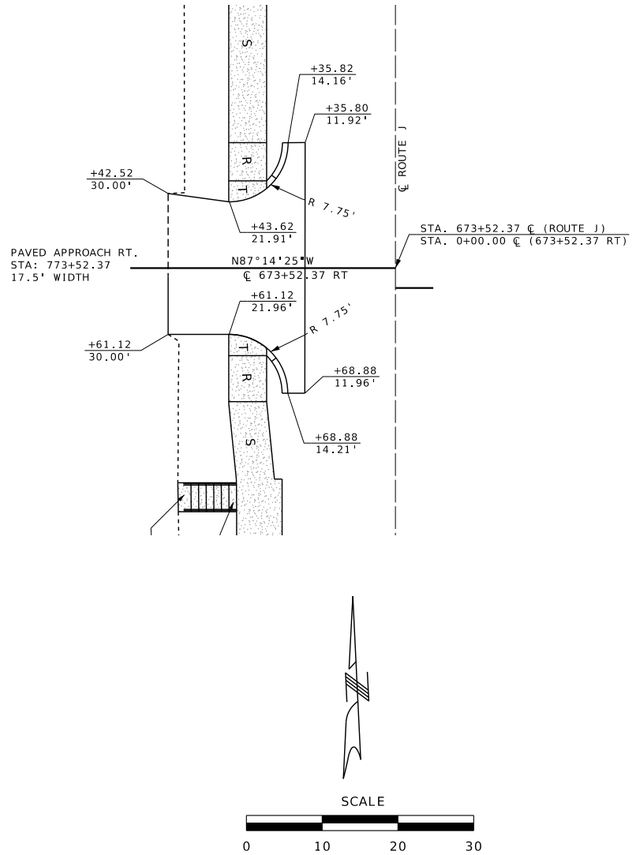
DATE	DESCRIPTION

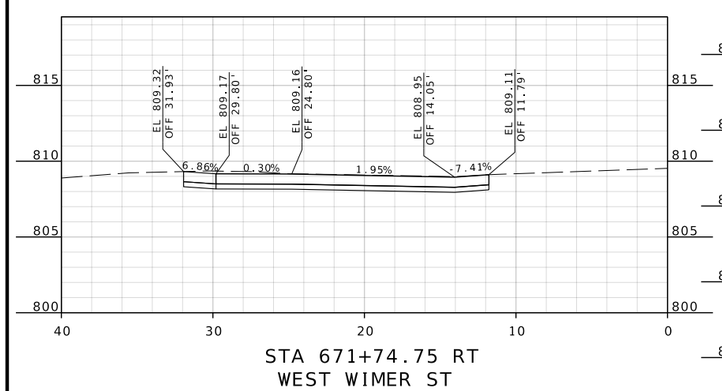
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

POWELL CWM
ARCHITECTURE/ENGINEERING/SURVEYING
3200 S. State Route 291, Bldg. I, Independence, MO 64057
816.373.4000 | powellcwm.com
Certificates of Authority
Architecture: MO 310 / KS 73
Engineering: MO 6 / KS 241
Land Surveying: MO 133 / KS 36

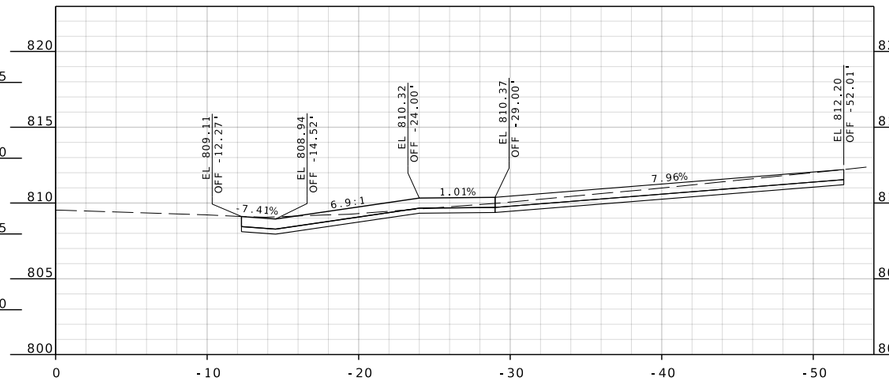




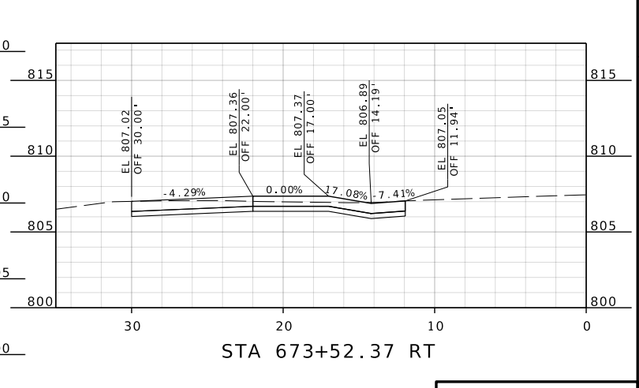




STA 671+74.75 RT
WEST WIMER ST



STA 671+75.97 LT
EAST WIMER ST



STA 673+52.37 RT

DRIVEWAY PROFILES
SPECIAL SHEETS
SHEET 34 OF 38

STATE OF MISSOURI
WILLIAM R. BUCK
NUMBER PE-025272
PROFESSIONAL ENGINEER

WILLIAM BUCK, P.E.
MISSOURI PE 025272

DATE PREPARED
8/21/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	64

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.
-

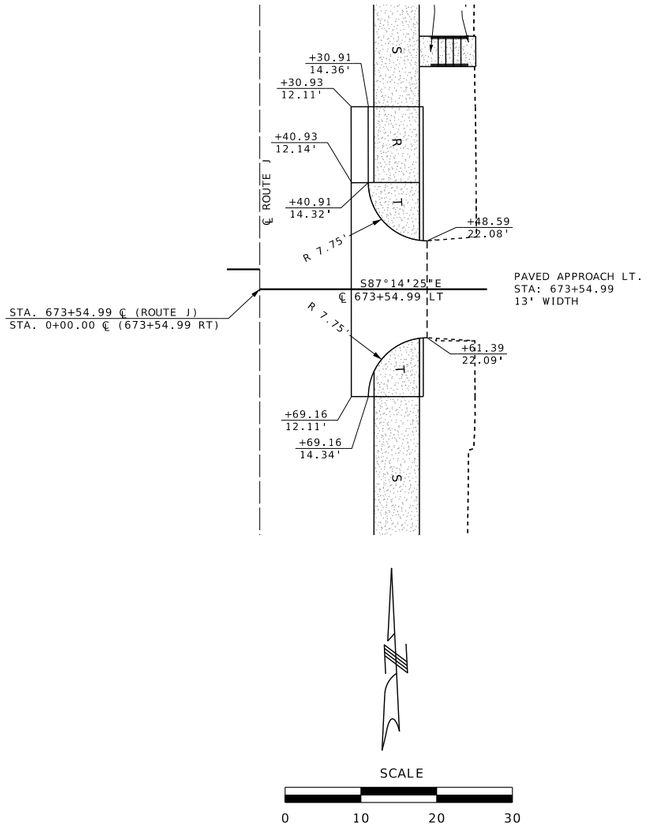
PROJECT NO.
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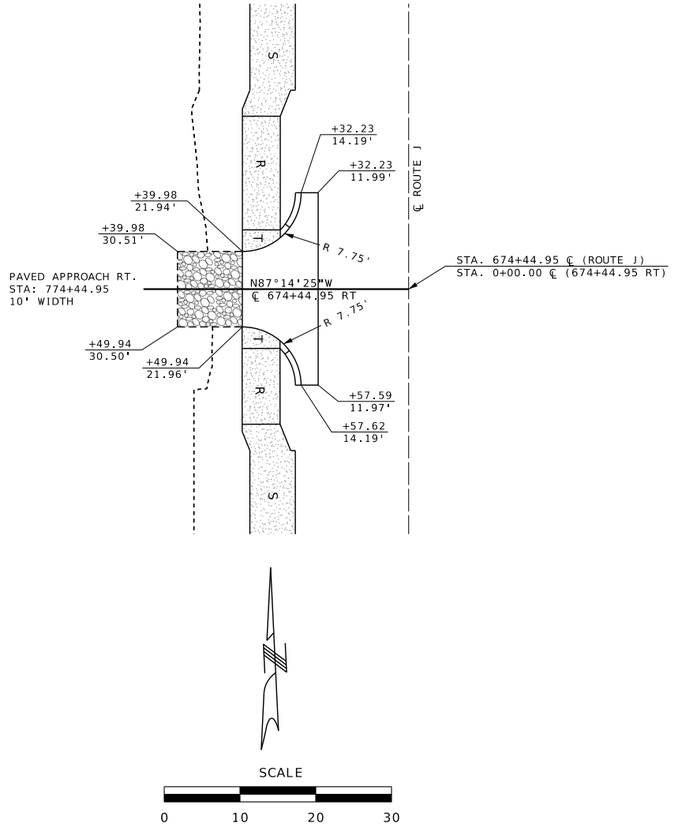
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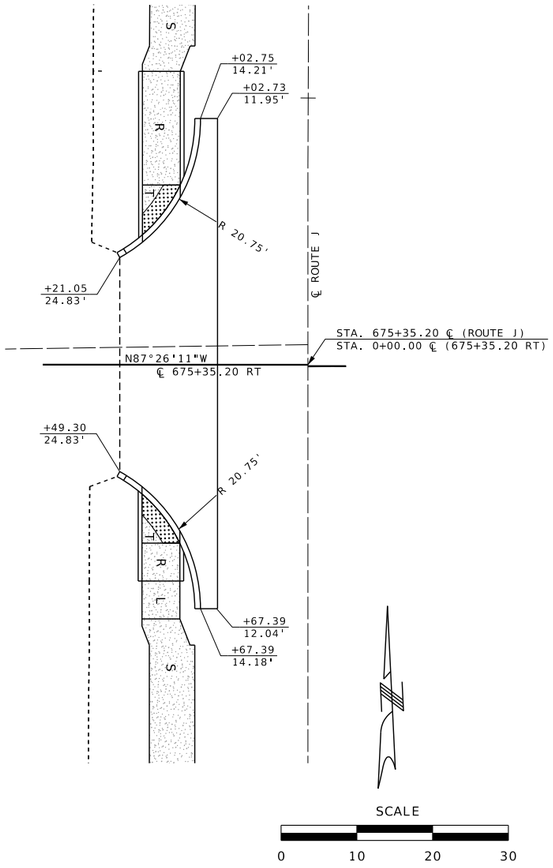
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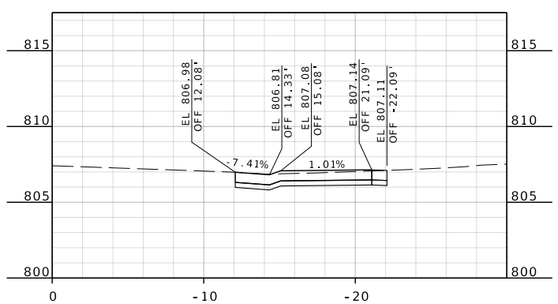
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ARCHITECTURE/ENGINEERING/SURVEYING
2200 S. State Route 291, Bldg. I, Independence, MO 64057
816.373.8000 | powellcwm.com
Certificates of Authority
Architecture: MO 310 / KS 33
Engineering: MO 4 / KS 341
Land Surveying: MO 133 / KS 36

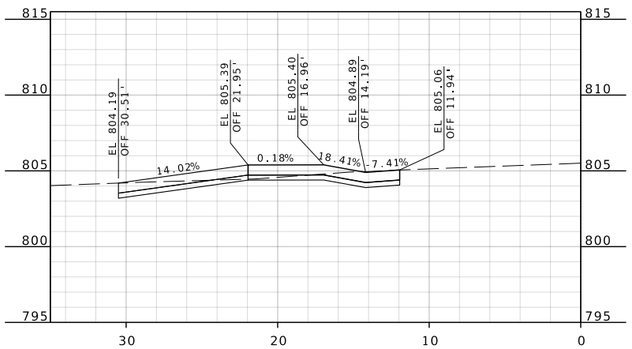




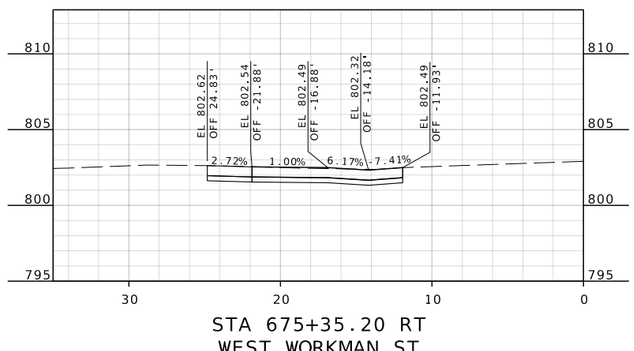




STA 673+54.99 LT



STA 674+44.95 RT



STA 675+35.20 RT
WEST WORKMAN ST

DRIVEWAY PROFILES
SPECIAL SHEETS
SHEET 35 OF 38

WILLIAM R. BUCK
NUMBER PE-025272
STATE OF MISSOURI
PROFESSIONAL ENGINEER

WILLIAM BUCK, P.E.
MISSOURI PE 025272

DATE PREPARED
8/21/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	65

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.
-

PROJECT NO.
-

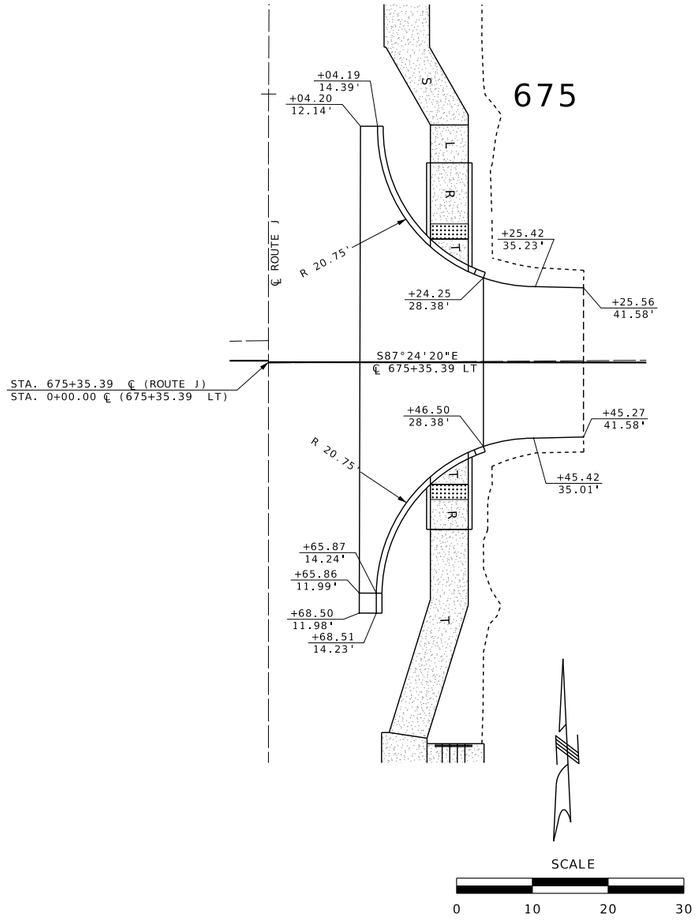
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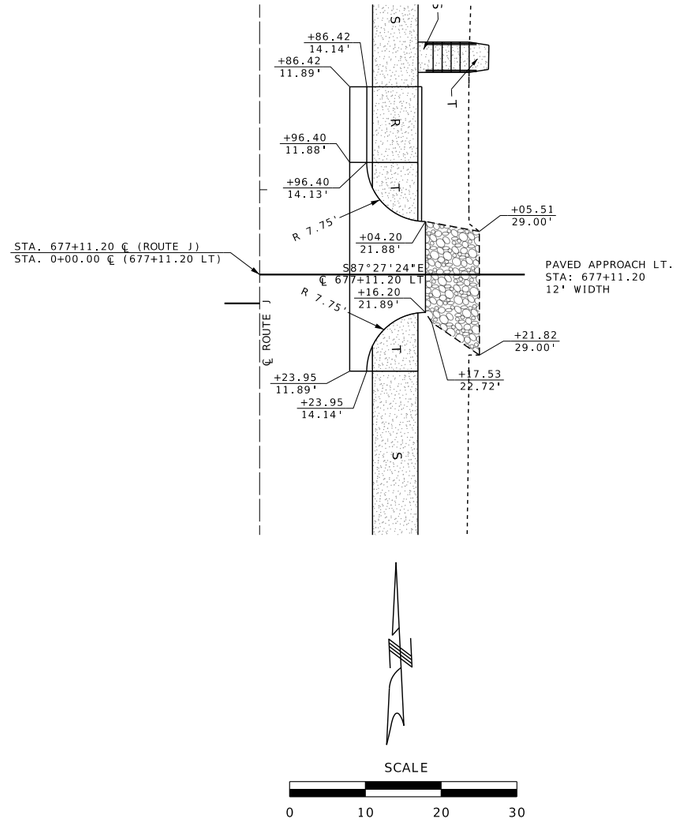
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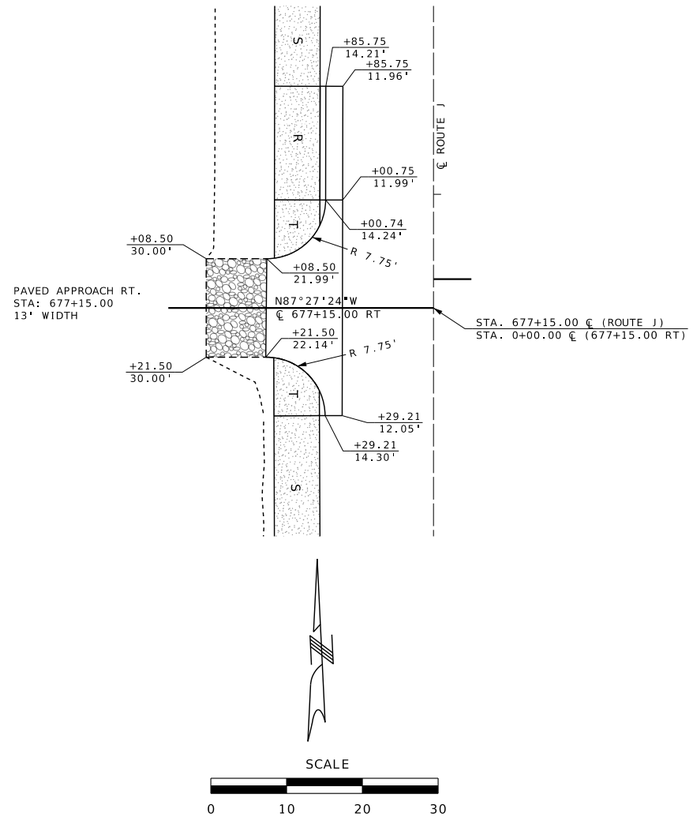
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

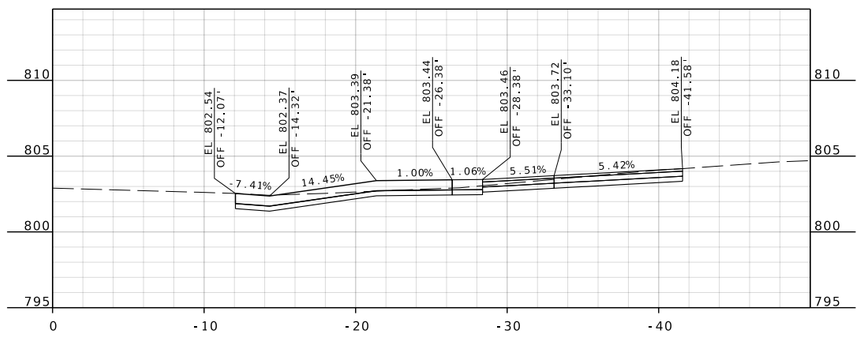
POWELL CWM
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3200 S. State Route 291, Bldg. I, Independence, MO 64057
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Certificates of Authority
Architecture: MO 330 / KS 73
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Land Surveying: MO 133 / KS 36

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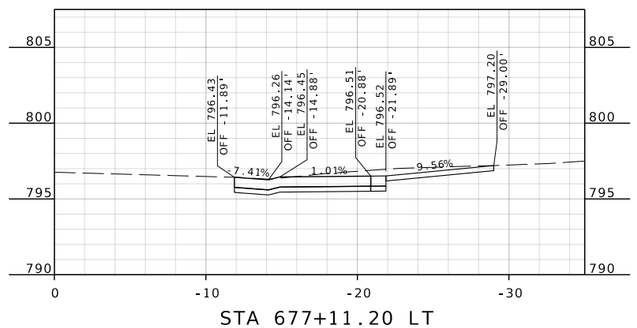




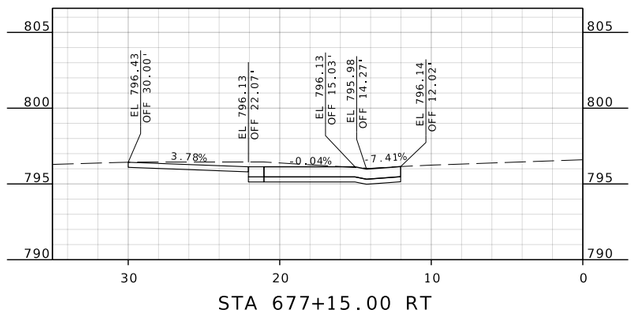




STA 675+35.39 LT
EAST WORKMAN ST



STA 677+11.20 LT



STA 677+15.00 RT

DRIVEWAY PROFILES
SPECIAL SHEETS
SHEET 36 OF 38

WILLIAM R. BUCK
NUMBER PE-025272
STATE OF MISSOURI
PROFESSIONAL ENGINEER

WILLIAM BUCK, P.E.
MISSOURI PE 025272

DATE PREPARED
8/24/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	66

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.
-

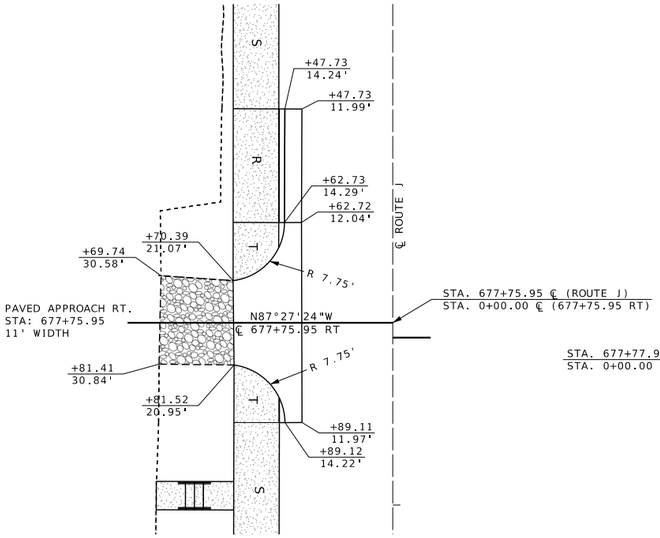
PROJECT NO.
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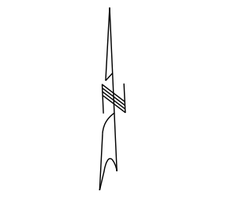
BRIDGE NO.
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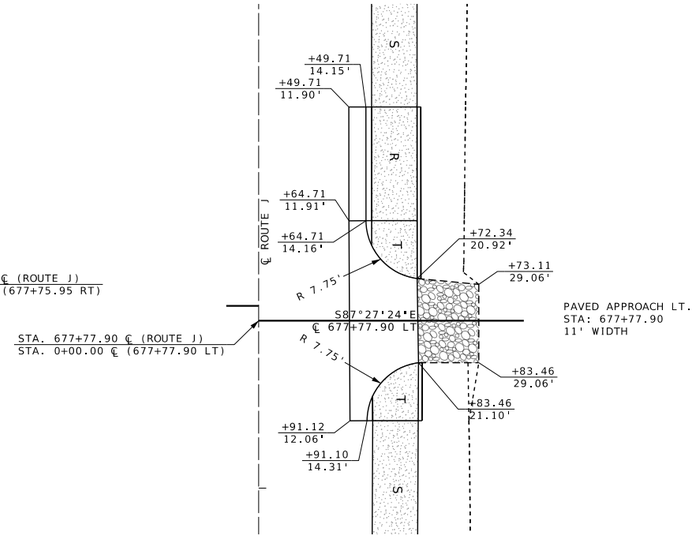
DESCRIPTION	DATE

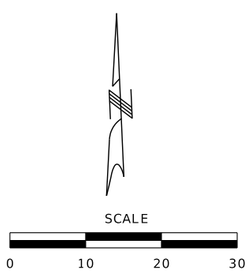
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

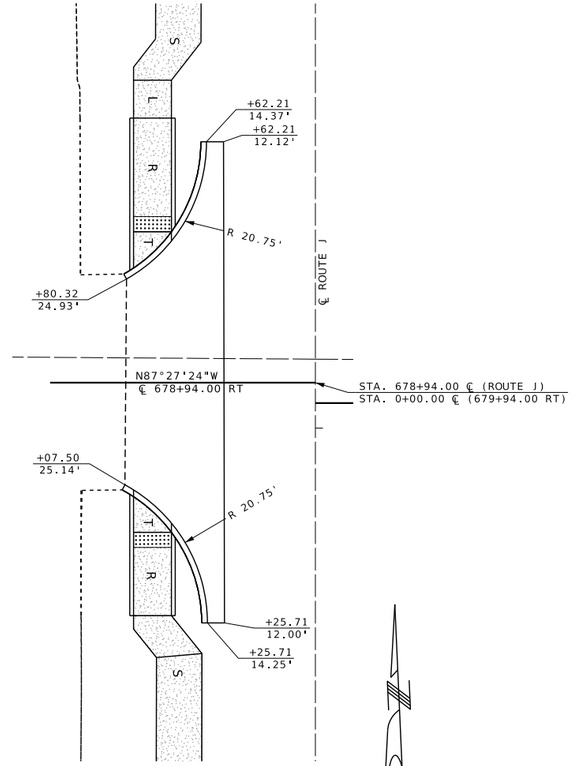
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Certificates of Authority
Architecture: MO 310 / KS 73
Engineering: MO 6 / KS 241
Land Surveying: MO 133 / KS 36

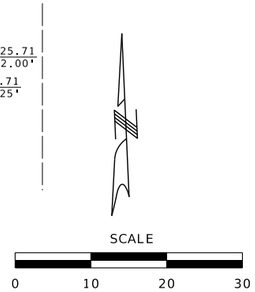


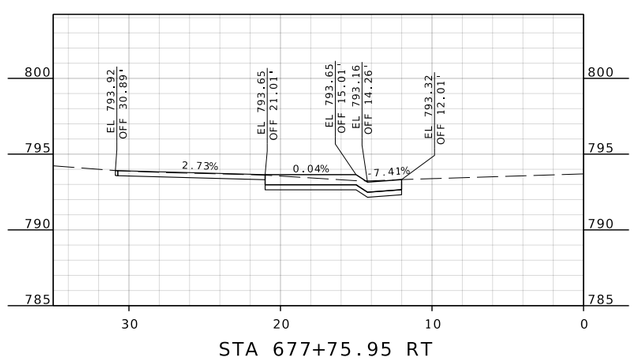




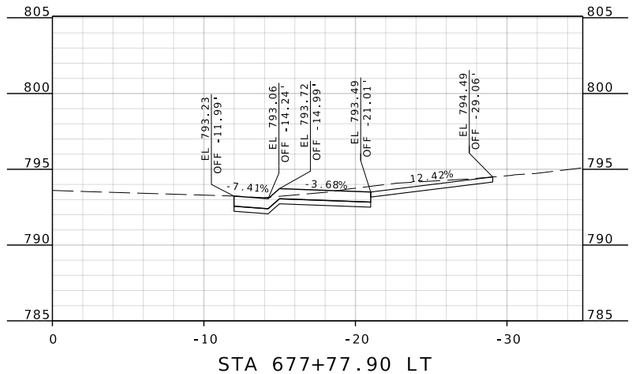




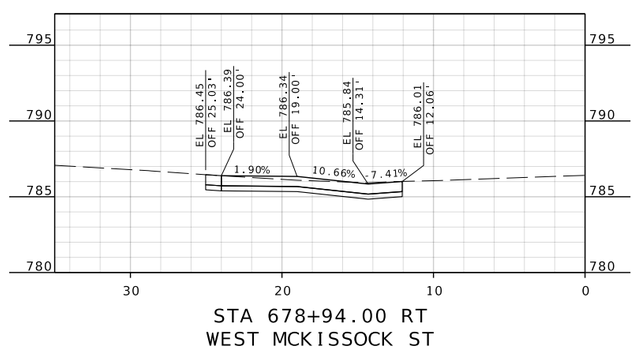




STA 677+75.95 RT



STA 677+77.90 LT



STA 678+94.00 RT
WEST MCKISSOCK ST

DRIVEWAY PROFILES
SPECIAL SHEETS
SHEET 37 OF 38

WILLIAM R. BUCK
NUMBER PE-025272
STATE OF MISSOURI
PROFESSIONAL ENGINEER

WILLIAM BUCK, P.E.
MISSOURI PE 025272

DATE PREPARED
8/24/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	67

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.
-

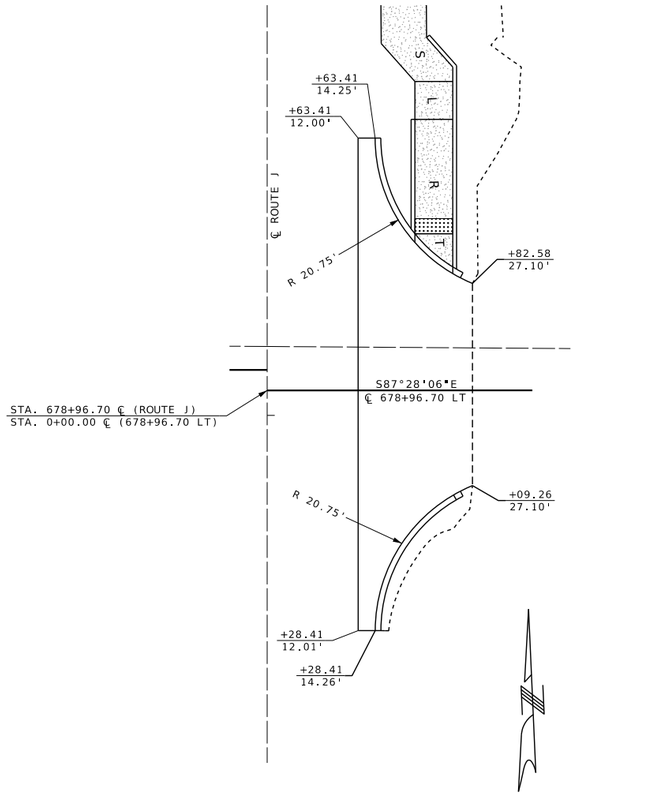
PROJECT NO.
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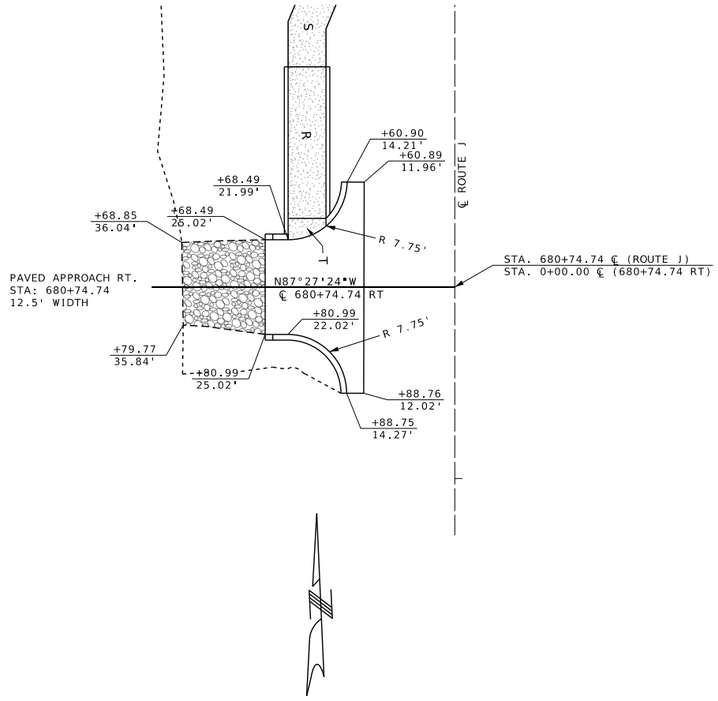
BRIDGE NO.
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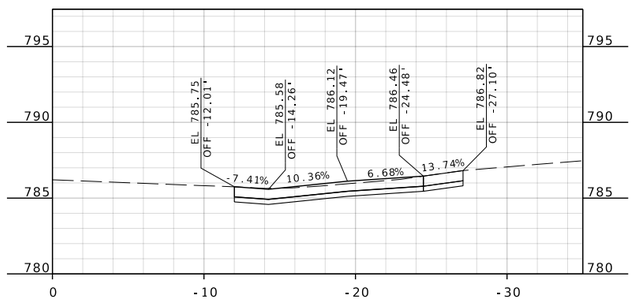
DESCRIPTION	DATE

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

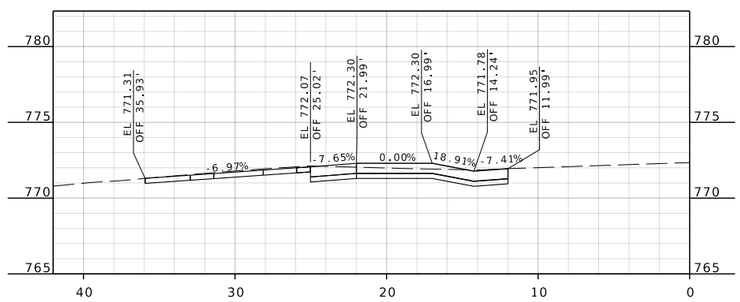
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Certificates of Authority
Architecture: MO 330 / KS 73
Engineering: MO 4 / KS 241
Land Surveying: MO 133 / KS 36







STA 678+96.70 LT
EAST MCKISSOCK ST



STA 680+74.74 RT

DRIVEWAY PROFILES
SPECIAL SHEETS
38 OF 38

WILLIAM R. BUCK
NUMBER PE-025272
STATE OF MISSOURI
PROFESSIONAL ENGINEER

WILLIAM BUCK, P.E.
MISSOURI PE 025272

DATE PREPARED
8/24/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	68

COUNTY
JOHNSON

JOB NO.
J3P3202

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)

POWELL CWM
ARCHITECTURE/ENGINEERING/SURVEYING
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Certificates of Authority
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Engineering: MO 4 / KS 241
Land Surveying: MO 123 / KS 36

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	MINIMUM LANE TAPER LENGTH (2)			
MPH	10′	11′	12′	END TREATMENT (3)
<40	160′	168′	175′	BARRIER HEIGHT TRANSITION
>40	160′	168′	175′	APPROVED CRASH CUSHICN

TAPER LENGTHS AND SPACING FOR CHANNELIZERS							
PERMANENT POSTED SPEED	MINIMUM LANE TAPER LENGTH			MINIMUM SHOULDER TAPER LENGTH	BUFFER LENGTH	MAXIMUM CHANNELIZER SPACING	
MPH	10′	11′	12′	BASED ON 10′ SHOULDER	FT.	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 MY 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. TWO (2) PORTABLE CHANGEABLE MESSAGE SIGNS 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.

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

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

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

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

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

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

12. 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.

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

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

15. DISTANCE MAY BE ADJUSTED (INCREASED, TYPICALLY) ACCORDING TO FIELD CONDITIONS.

REID BRENNEN CATT NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	69

COUNTY
JOHNSON

JOB NO.
J3P3202

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)

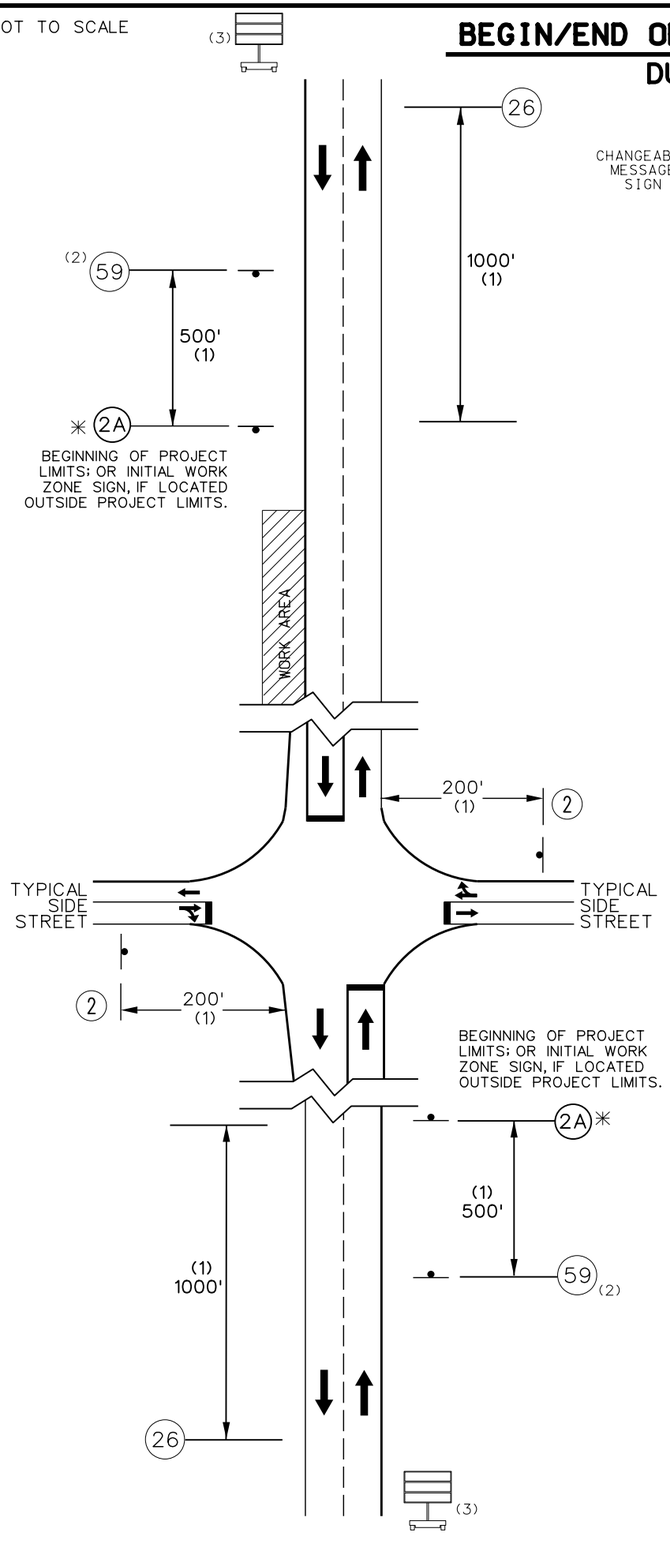
olsson
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592

NOT TO SCALE

BEGIN/END OF PROJECT SIGNING

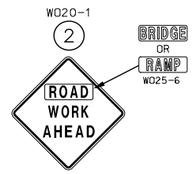
DUAL-LANE

EFFECTIVE: 06-08-2016
REVISED (ADA): 04-22-2024



(3)
CHANGEABLE MESSAGE SIGN









✳ SIGN (2A) WITH AWRS MUST BE GROUND OR SKID MOUNTED.

SIGN SPACING FOR ADVANCE SIGN SERIES

SPACING BETWEEN SIGNS AND SPACING BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER, OR SIGNED CONDITION.

SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.

SPEED MPH (S)	NON-DIVIDED HIGHWAYS	DIVIDED HIGHWAYS
0-35	200 FT	200 FT
40-45	350 FT	500 FT
50-55	500 FT	1000 FT
60-70	1000 FT	1000 FT

GENERAL NOTES:

1. ANY EXISTING SIGNING THAT CONFLICTS WITH THE TRAFFIC CONTROL SIGNING SHALL BE COMPLETELY COVERED OR REMOVED.
2. ALTERNATE TRAFFIC CONTROL MAY BE USED AS NEEDED AT THE APPROVAL OF THE ENGINEER.
3. SEE STANDARD DRAWING 616.10 AND 620.10 FOR ADDITIONAL DETAILS, AND 903.03 FOR SIGN AND SIGN MOUNTING REQUIREMENTS.
4. SPEED LIMIT SIGNS INDICATING THE NORMAL SPEED LIMIT SHALL BE INSTALLED AT THE END OF THE WORK ZONE, PROVIDED NO FURTHER WORK ZONES WILL BE ENCOUNTERED WITHIN THE NEXT 1/2 MILE.
5. TEMPORARY SPEED LIMIT SIGNS SHALL BE COVERED OR REMOVED WHEN THE CONDITIONS REQUIRING REDUCED SPEEDS DO NOT EXIST.
6. NO DIRECT PAYMENT WILL BE MADE FOR THE RELOCATION OF CHANNELIZERS, CONST. SIGNS OR FLASHING ARROW PANEL.
7. NO DIRECT PAYMENT WILL BE MADE FOR TEMPORARY STOP OR YIELD SIGNS AS NEEDED TO MAINTAIN EXISTING STOP/YIELD CONDITIONS AS APPROVED BY THE ENGINEER.
8. ALL SIGNS, EXCEPT "RATE OUR WORK ZONE" SIGN, SHALL BE PORTABLE MOUNT AND ARE TO BE MOVED AS WORK PROGRESSES, UNLESS OTHERWISE NOTED. ALL TRAFFIC CONTROL ITEMS SHALL BE REMOVED FROM THE ROADWAY DURING NON-WORKING HOURS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING PROPER TRAFFIC CONTROL SETUPS THROUGHOUT CONSTRUCTION AS DESCRIBED IN THESE PLANS OR AS APPROVED BY THE ENGINEER. ALL TRAFFIC CONTROL SHALL CONFORM TO THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
10. WHERE MINIMUM LANE WIDTHS CANNOT BE ACHIEVED ON THE SIDE STREETS, THE CONTRACTOR SHALL CLOSE HALF OF THE APPROACH AND POSITION A FLAGGER AT EACH END OF THE WORK AREA. LOCATION TO BE DETERMINED BY THE ENGINEER. ADVANCE FLAGGER SIGNING SHALL BE INSTALLED AS OUTLINED IN THE MUTCD.
11. THE CONTRACTOR SHALL MAINTAIN PUBLIC ACCESS TO ALL BUSINESSES AND STREETS. NO STREET OR ENTRANCE SHALL BE COMPLETELY BLOCKED.
12. ALL PEDESTRIAN TRAFFIC CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL THE CURB RAMP & SIDEWALK IS OPENED FOR PEDESTRIAN TRAVEL.
13. PEDESTRIAN TRAFFIC CONTROL SIGNS MAY BE MOUNTED ON PORTABLE MOUNTS AT 1 FT. PROVIDED THEY DO NOT INTERFERE WITH PEDESTRIAN MOVEMENT OR BE OBSTRUCTED BY PARKING. OTHERWISE, SIGNS SHALL BE MOUNTED AT 7 FT.
14. SPACING & DISTANCES OF TRAFFIC CONTROL DEVICES ARE APPROXIMATE. THE EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD & APPROVED BY THE ENGINEER.

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

(2) THE "WORK ZONE NO PHONE ZONE" SIGN IS PLACED A MINIMUM OF 500 FEET BEFORE THE ROAD WORK AHEAD SIGN.

(3) CMS PLACEMENT SHALL BE APPROVED BY THE ENGINEER.

REID BRENNEN CATT NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED: 8/18/2026
ROUTE: BU50/J
STATE: MO
DISTRICT: KC
SHEET NO.: 70
COUNTY: JOHNSON
JOB NO.: J3P3202
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
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF AUTHORITY NO. 001592

TRAFFIC CONTROL
SHEET 2 OF 7

F:\2023\05001-05500\023-05302\40-Design\Microstation\023-05302 J3P3202\plan_sheets\08 Traffic Control\070_TC_02_J3P3202_I20_BEGIN_END.dgn 8:25:41 AM 8/18/2026

Highway Closure

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
Normal Posted (mph)	Undivided (S)	Divided (S)	Shoulder (1) (T1)	Lane (2) (T2)	BUFFER LENGTH (ft.) (B)	Tapers	Buffer/ Work Areas
0-35	200	200	-	-	250	-	-
40-45	350	500	-	-	360	-	-
50-55	500	1000	-	-	495	-	-
60-70	1000	SA - 1000 SB - 1500 SC - 2640	-	-	730	-	-

1 Shoulder taper length based on 10 ft. (standard shoulder width) offset. 2. Lane taper length based on 12 ft. (standard lane width) offset.

(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 close each 8-feet of pavement. Paved shoulders shall be included in the area to be closed.

(2) If used, the ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY or ROAD CLOSED TO THRU TRAFFIC sign should be located at the first state route or, at the discretion of the engineer, any other intersection in advance of the closure. Additional barricades may be used and offset to facilitate access for work vehicles, local traffic, etc.

Traffic control should be removed as soon as practical after condition for the closure no longer exists.

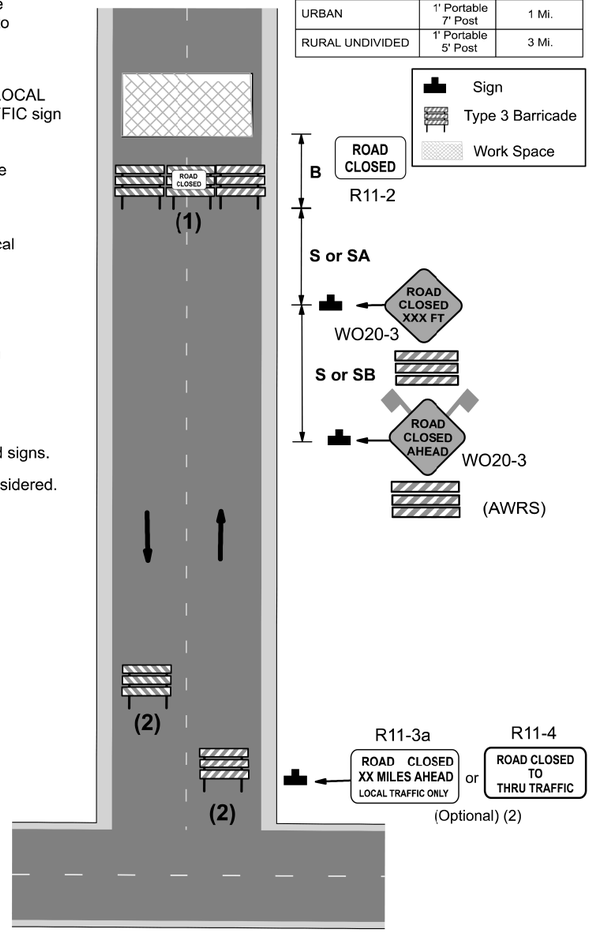
Additional warning signs should be erected at each intersection within the work zone.

Supplemental warning methods may be used to call attention to the work zone.

See Standard Plan 616.10 for use of barricades and signs.

For long-term closure, detour signing should be considered.

TYPE OF ROADWAY	SIGN HEIGHT	MAXIMUM WORK ZONE LENGTH (L)
URBAN	1' Portable 7' Post	1 Mi.
RURAL UNDIVIDED	1' Portable 5' Post	3 Mi.



REID BRENNEN CATT NUMBER PE-2010019516

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE BU50/J | STATE MO

DISTRICT KC | SHEET NO. 71

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION | DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

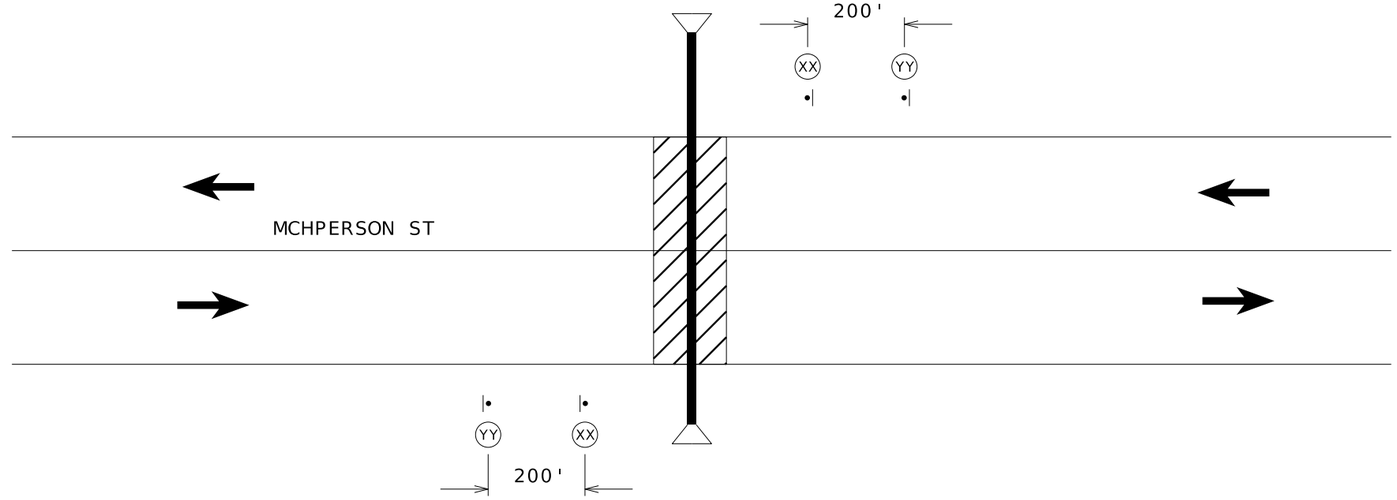
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1-888-ASK-MODOT (1-888-275-6636)

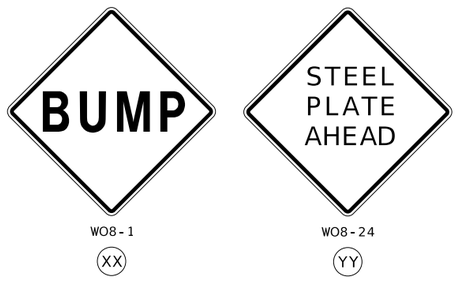
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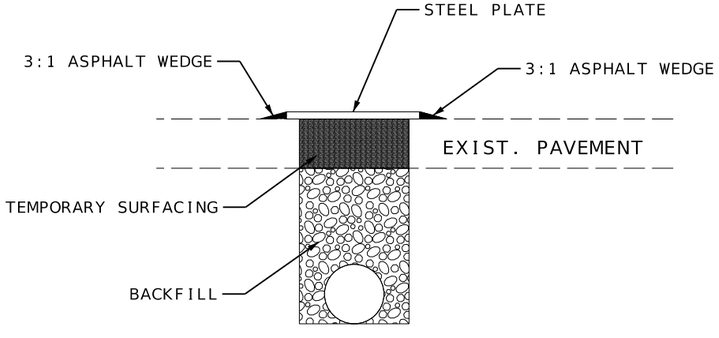
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NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592

TRAFFIC CONTROL
SHEET 3 OF 7

TRAFFIC CONTROL PLAN FOR CROSS ROAD PIPE INSTALLATION
(OPEN TO NORMAL TRAFFIC)







TYPICAL PIPE INSTALLATION

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER
- WORK ZONE
- DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE

NOT TO SCALE

GENERAL NOTES:

1. PERIMETER OF STEEL PLATE SHALL HAVE A GRADUAL TRANSITION OF 1V:3H. THE GRADUAL TRANSITION MAY BE ACCOMPLISHED BY ASPHALT WEDGING OR A MECHANICAL FASTENER APPROVED BY THE ENGINEER. THE PLATE SHALL HAVE DELINEATION AND BE TREATED FOR SKID RESISTANCE.

2. STEEL PLATE SHALL REMAIN IN PLACE UNTIL PCCP PAVEMENT HAS REACHED 3000 PSI.

3. CROSS ROAD PIPES IN THE AREA OF PAVEMENT REPLACEMENT SHALL BE INSTALLED PRIOR TO NEW PAVEMENT. THESE CULVERTS WILL BE BACKFILLED AND PLATED UNTIL THE NEW PAVEMENT REPLACEMENT.

4. THERE WILL BE NO DIRECT PAYMENT FOR THE STEEL PLATE.

5. TEMPORARY SURFACING AS APPROVED BY ENGINEER.

REID BRENNEN CATT NUMBER PE-2010019516

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	72

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

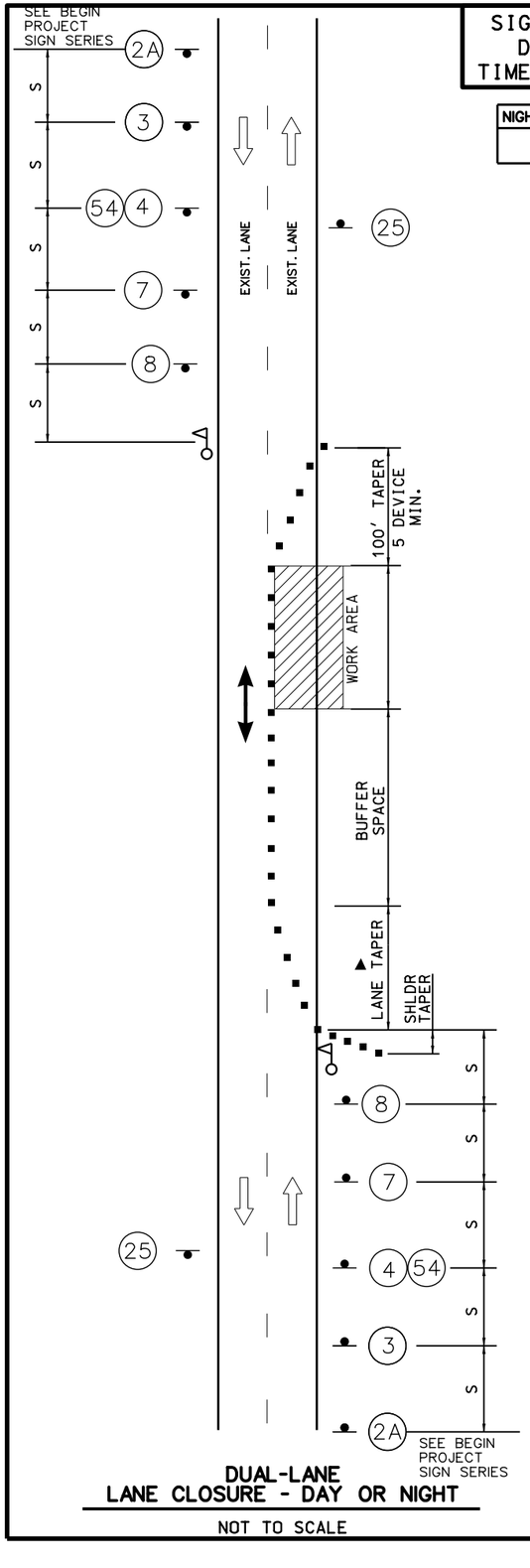
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105 WEST CAPITOL
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1-888-ASK-MODOT (1-888-275-6636)

olsson
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH: (816) 361-1177
CERTIFICATE OF AUTHORITY NO. 001592

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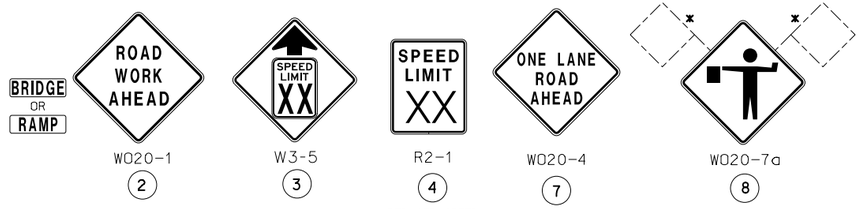


DUAL-LANE LANE CLOSURE - DAY OR NIGHT

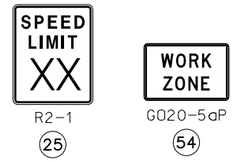
NOT TO SCALE

SIGNING REFLECTS DAY OR NIGHT TIME WORKING HOURS

NIGHT TIME WORK HOURS
X PM - X AM



✖ SIGN W020-7A (FLAGGER SYMBOL) FLAGS ARE INCIDENTAL TO THE SIGN. NO DIRECT PAY.



FLAGGER - AT NIGHT, FLAGGER STATIONS SHALL BE ILLUMINATED

CHANNELIZERS

NOTES:

SEE BEGIN/END OF PROJECT SIGNING SHEET FOR ADDITIONAL SIGNS.

▲ IN TAPER SECTIONS: QUANTITY OF TRIMLINE CHANNELIZERS IS DOUBLED WHEN COMPARED TO MAX. CHANNELIZER SPACING IN THE CHART.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES (NO DIRECT PAY)

NO DIRECT PAYMENT WILL BE MADE FOR THE RELOCATION OF CHANNELIZERS, CONST. SIGNS, OR FLASHING ARROW PANEL.

NO DIRECT PAYMENT WILL BE MADE FOR TEMPORARY STOP OR YIELD SIGNS AS NEEDED TO MAINTAIN EXISTING STOP/YIELD CONDITONS AS APPROVED BY THE ENGINEER.

FOR SHORT TERM OPERATIONS WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, DEVICE SPACING ARE ONE-HALF OF THE SPACING SHOWN IN TABLE.

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

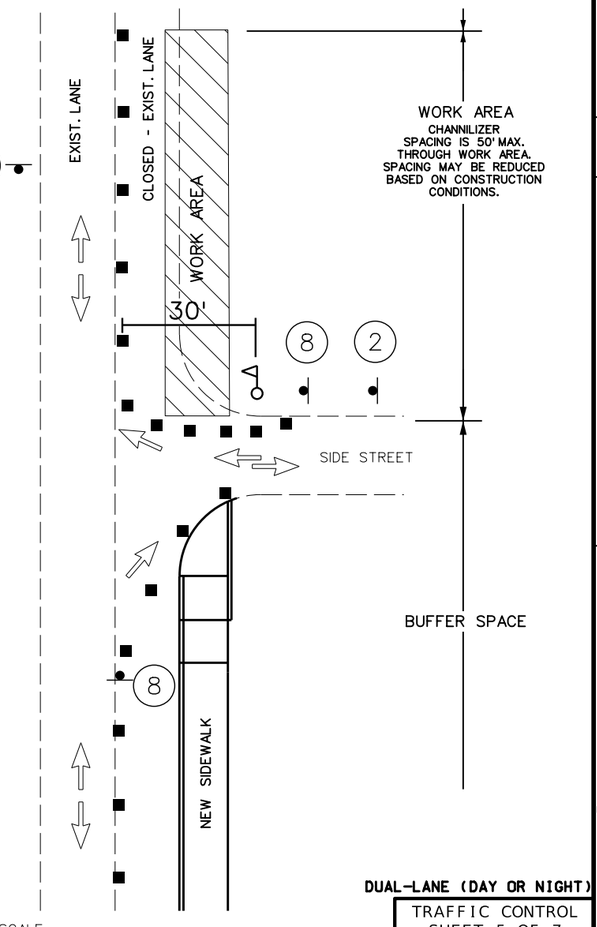
ALL SIGNS, EXCEPT "RATE OUR WORK ZONE", SHALL BE PORTABLE MOUNT AND ARE TO BE MOVED AS WORK PROGRESSES, UNLESS OTHERWISE NOTED. ALL TRAFFIC CONTROL ITEMS SHALL BE REMOVED FROM THE ROADWAY DURING NON-WORKING HOURS.

WORK WILL REQUIRE LANE CLOSURES UNLESS OTHERWISE APPROVED BY ENGINEER.

LAYOUT IS TYPICAL FOR EITHER DIRECTION. ALTERNATE TRAFFIC CONTROL MAY BE USED AS NEEDED AT THE APPROVAL OF THE ENGINEER. SEE STANDARD DRAWING 616.10 FOR ADDITIONAL DETAILS.

THE MAX. CHANNELIZER SPACING WITHIN THE WORK ZONE AREA MAY BE REDUCED BASED ON CONSTRUCTION CONDITIONS, AS APPROVED BY ENGINEER.

SIDE STREET FLAGGING DETAIL



DUAL-LANE (DAY OR NIGHT)

NOT TO SCALE

EFFECTIVE: 06-08-2016
REVISED (ADA): 04-22-2024

REID BRENNEN CATT NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED: 8/18/2026
ROUTE: BU50/J | STATE: MO
DISTRICT: KC | SHEET NO.: 73
COUNTY: JOHNSON
JOB NO.: J3P3202
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
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF AUTHORITY NO. 001592

TRAFFIC CONTROL
SHEET 5 OF 7

SHOULDER WORK WITH MINOR ENCROACHMENT ON DIVIDED AND UNDIVIDED HIGHWAYS

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
Normal Posted (mph)	Undivided (S)	Divided (S)	Shoulder (1) (T1)	Lane (2) (T2)	BUFFER LENGTH (ft.) (B)	Tapers	Buffer/ Work Areas
0-35	200	200	70	245	280	35	40
40-45	350	500	150	540	400	40	80
50-55	500	1000	185	660	560	50	80
60-70	1000	SA - 1000 SB - 1500 SC - 2640	235	840	840	60	120

1 Shoulder taper length based on 10 ft. (standard shoulder width) offset. 2. Lane taper length based on 12 ft. (standard lane width) offset.

NOTES:

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 ACTIVITIY AREA WHERE ANOTHER ROAD WORK AHEAD SIGN IS ALREADY USED.

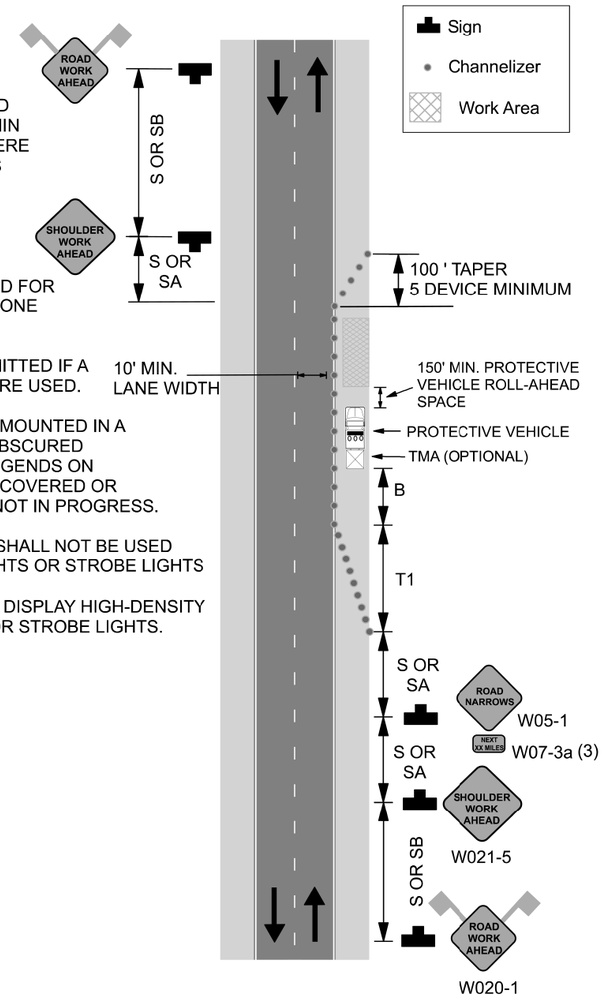
(3) NEXT XX MILES SIGN NOT REQUIRED FOR NARROW LANE SECTIONS LESS THAN ONE MILE.

THE PROTECTIVE VEHICLE MAY BE OMITTED IF A TAPER AND CHANNELIZING DEVICES ARE USED.

VEHICLE - MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSCURED BY EQUIPMENT OR SUPPLIES. SIGN LEGENDS ON VEHICLE - MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS.

VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF VEHICLE'S ROTATING LIGHTS OR STROBE LIGHTS

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



REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE BU50/J | STATE MO
DISTRICT KC | SHEET NO. 74
COUNTY JOHNSON
JOB NO. J3P3202
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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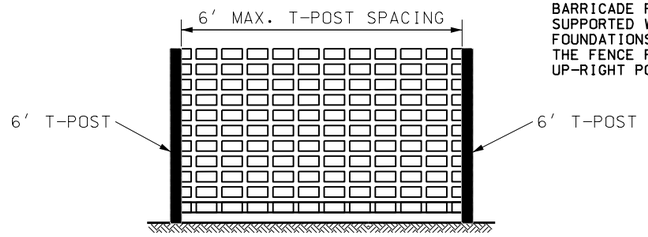
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NORTH KANSAS CITY, MO 64116
PH (816) 361-1177
CERTIFICATE OF AUTHORITY NO. 001592

REVISED: 11-19-2018

NOTES:

1. NO DIRECT PAYMENT WILL BE MADE FOR ORANGE SAFETY FENCE AS REQUIRED AROUND EXCAVATION OF SIDEWALK & CURB RAMP AREAS.
2. SEE JSP's FOR PEDESTRIAN TRAFFIC DEVICES.
3. WORKING AREAS SHALL BE GUARDED FROM PEDESTRIAN ACCESS BY BARRICADE FENCING 36" TO 48" IN HEIGHT WITH A GAP NO GREATER THAN 6" FROM THE GROUND AND HOLES NO GREATER THAN 4" IN ANY DIRECTION.
4. PEDESTRIAN ACCESS ON SIDEWALK SHALL BE PROVIDED WITH A WIDTH NOT LESS THAN 4' OF SMOOTH STABLE SURFACING ADJACENT TO BARRICADE FENCING FOR ACCESS TO THE MAIN BUILDING.
5. SIDEWALK RAMP CLOSURES FOR RECONSTRUCTION SHALL BE PERFORMED WITH ADA COMPLIANT MOVEABLE BARRICADES. TWO BARRICADES PER PEDESTRIAN APPROACH. ONE SIDEWALK CLOSED SIGN WILL BE PLACED UPON ONE BARRICADE FOR EACH APPROACH, NO MORE THAN ONE 5' SECTION OF SIDEWALK RAMP SHALL BE CLOSED LEADING TO THE MAIN BUILDING AT ANY TIME ADJACENT TO THE WORK AREA.

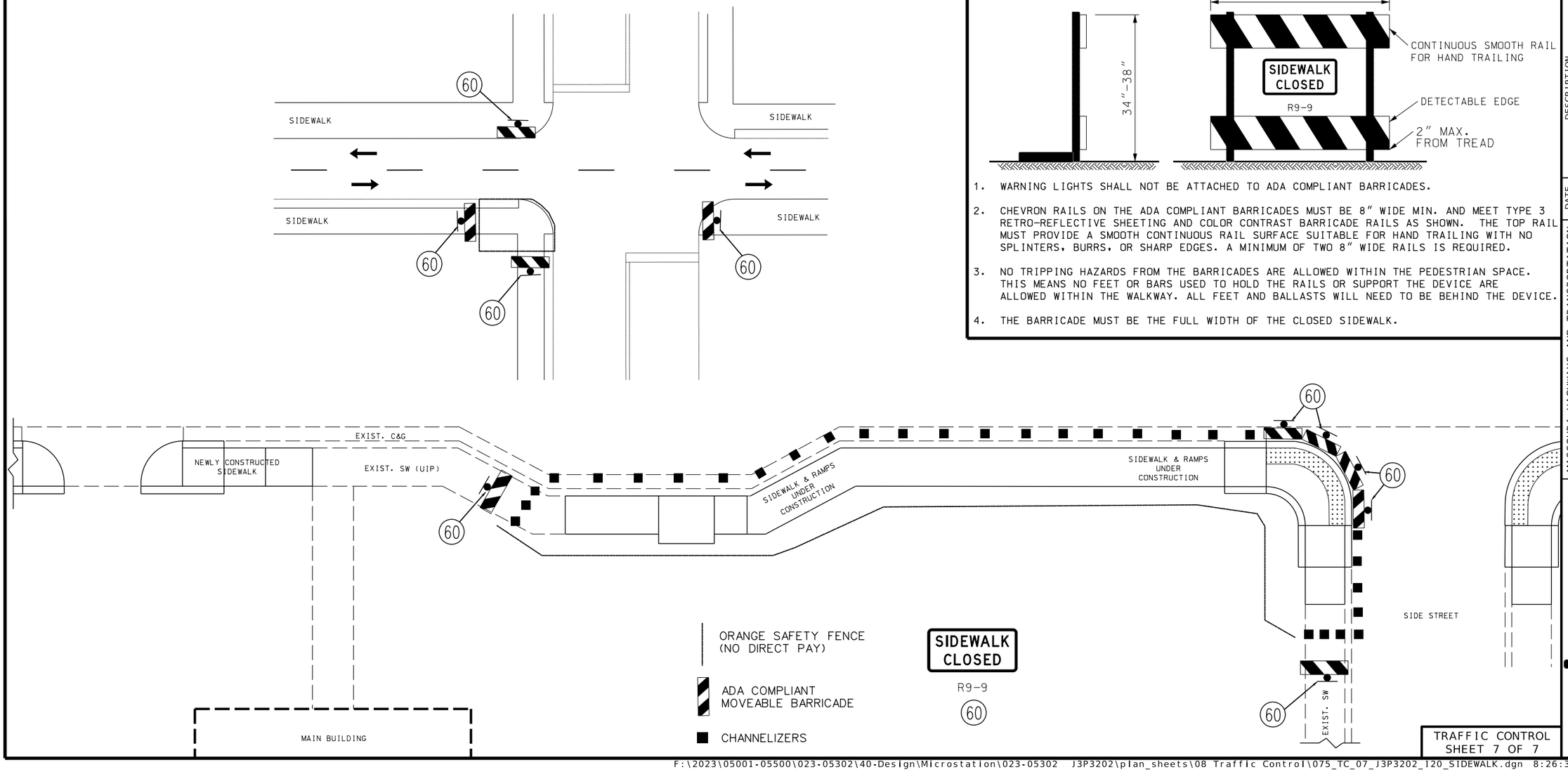
ORANGE PLASTIC SAFETY FENCE



NO DIRECT PAY.
PLASTIC SAFETY NETTING USED FOR BARRICADE FENCING SHALL BE SUPPORTED WITH T-POST. ADEQUATE FOUNDATIONS, AND BALLAST SO THAT THE FENCE REMAINS TAUT AND IN AN UP-RIGHT POSITION.

DUAL-LANE TYPICAL SIDEWALK CLOSURE

NOT TO SCALE



ADA COMPLIANT MOVEABLE BARRICADE

1. WARNING LIGHTS SHALL NOT BE ATTACHED TO ADA COMPLIANT BARRICADES.
2. CHEVRON RAILS ON THE ADA COMPLIANT BARRICADES MUST BE 8" WIDE MIN. AND MEET TYPE 3 RETRO-REFLECTIVE SHEETING AND COLOR CONTRAST BARRICADE RAILS AS SHOWN. THE TOP RAIL MUST PROVIDE A SMOOTH CONTINUOUS RAIL SURFACE SUITABLE FOR HAND TRAILING WITH NO SPLINTERS, BURRS, OR SHARP EDGES. A MINIMUM OF TWO 8" WIDE RAILS IS REQUIRED.
3. NO TRIPPING HAZARDS FROM THE BARRICADES ARE ALLOWED WITHIN THE PEDESTRIAN SPACE. THIS MEANS NO FEET OR BARS USED TO HOLD THE RAILS OR SUPPORT THE DEVICE ARE ALLOWED WITHIN THE WALKWAY. ALL FEET AND BALLASTS WILL NEED TO BE BEHIND THE DEVICE.
4. THE BARRICADE MUST BE THE FULL WIDTH OF THE CLOSED SIDEWALK.

REID BRENNEN CATT NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER MO# PE-2010019516

DATE PREPARED: 8/18/2026
ROUTE: BU50/J | STATE: MO
DISTRICT: KC | SHEET NO.: 75
COUNTY: JOHNSON
JOB NO.: J3P3202
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

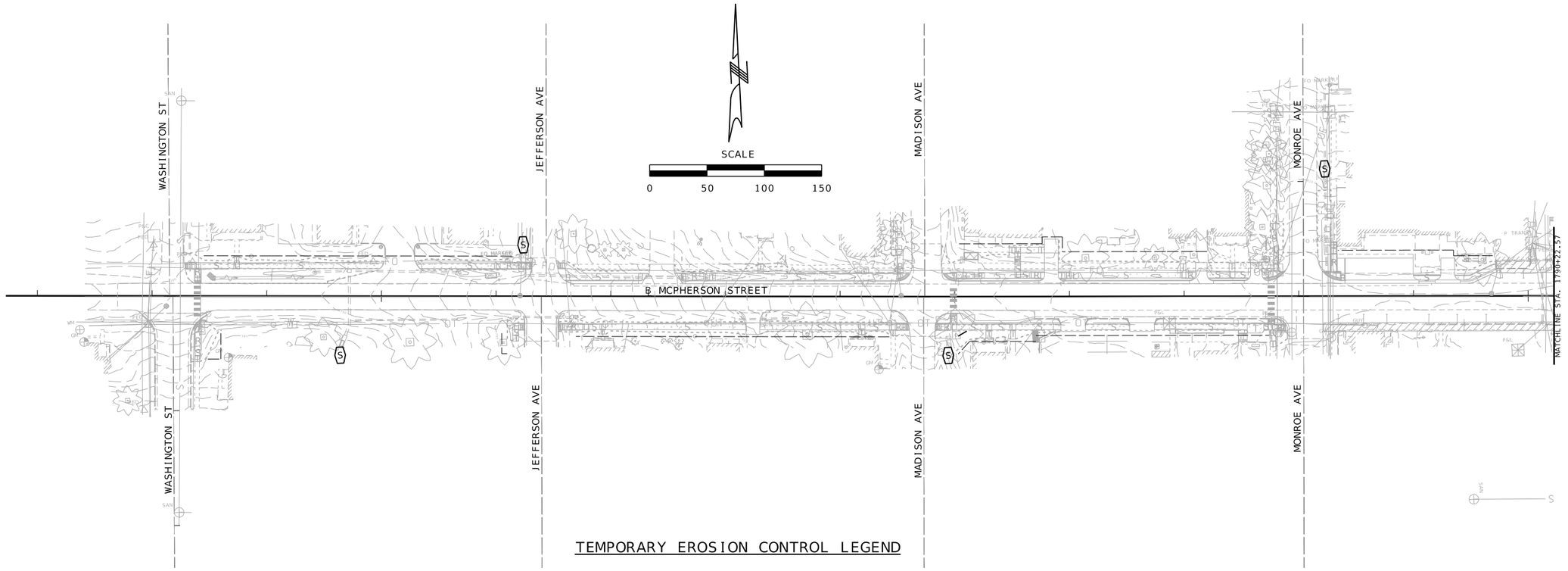
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DATE	DESCRIPTION

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

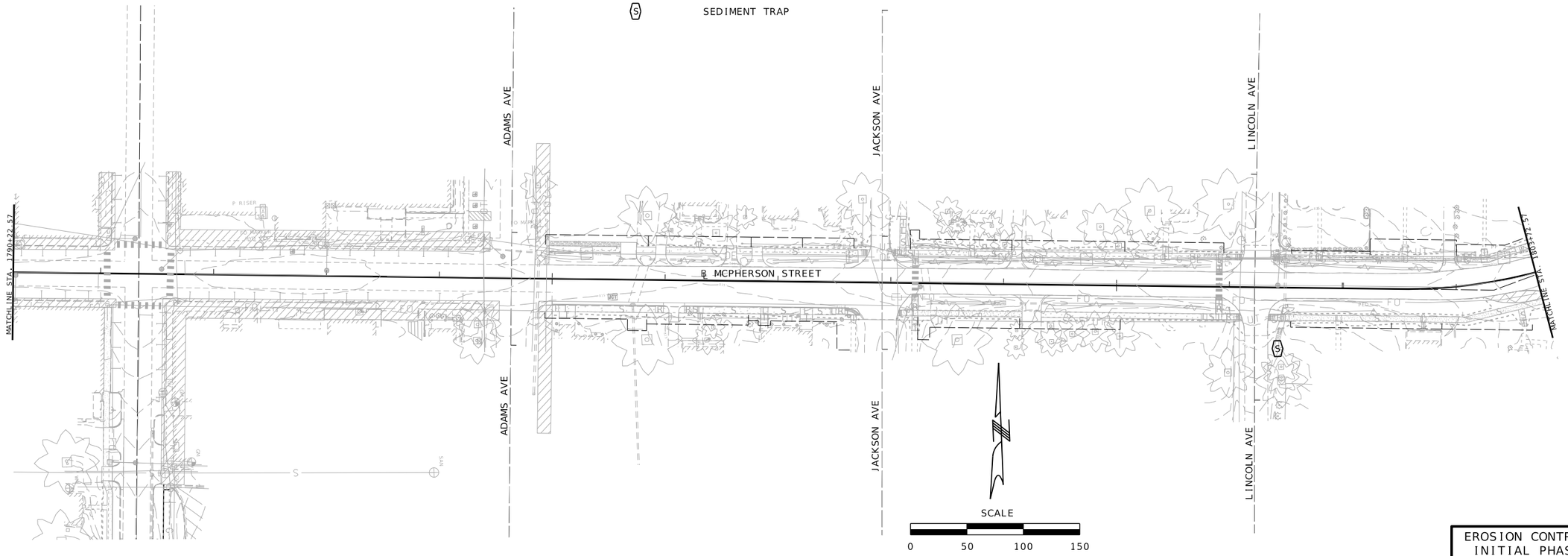
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1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF AUTHORITY NO. 001592

TRAFFIC CONTROL
SHEET 7 OF 7



TEMPORARY EROSION CONTROL LEGEND

(S) SEDIMENT TRAP



EROSION CONTROL
INITIAL PHASE
SHEET 1 OF 9

REID BRENNEN CATT NUMBER PE-2010019516

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	76

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

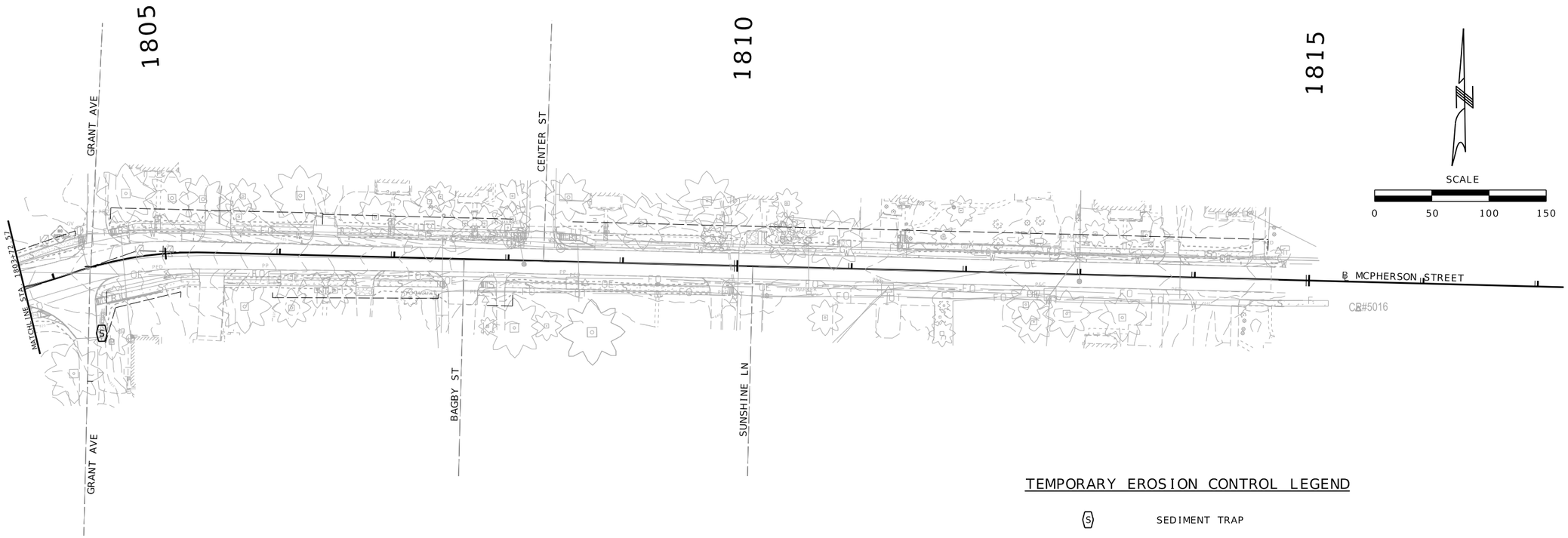
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

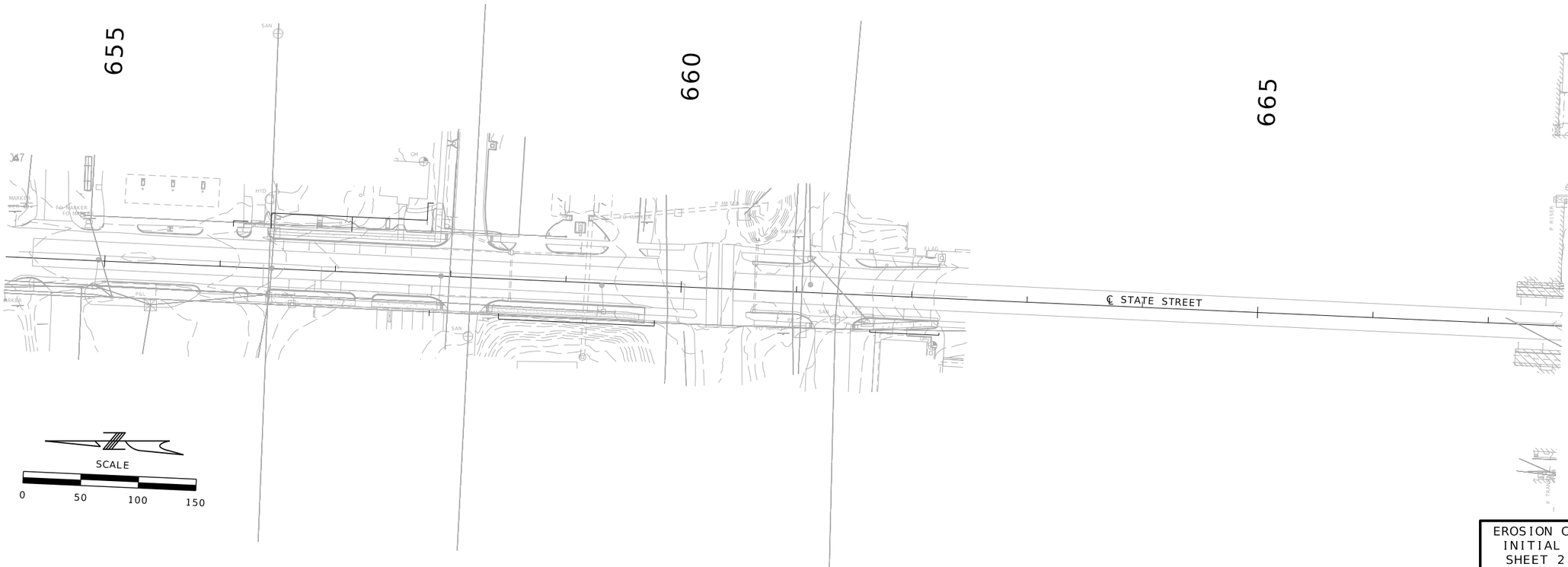
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PH. (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592

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TEMPORARY EROSION CONTROL LEGEND

(S) SEDIMENT TRAP



EROSION CONTROL
INITIAL PHASE
SHEET 2 OF 9

REID BRENNEN CATT NUMBER PE-2010019516

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	77

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

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CERTIFICATE OF
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REID BRENNEN CATT NUMBER PE-2010019516

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	78

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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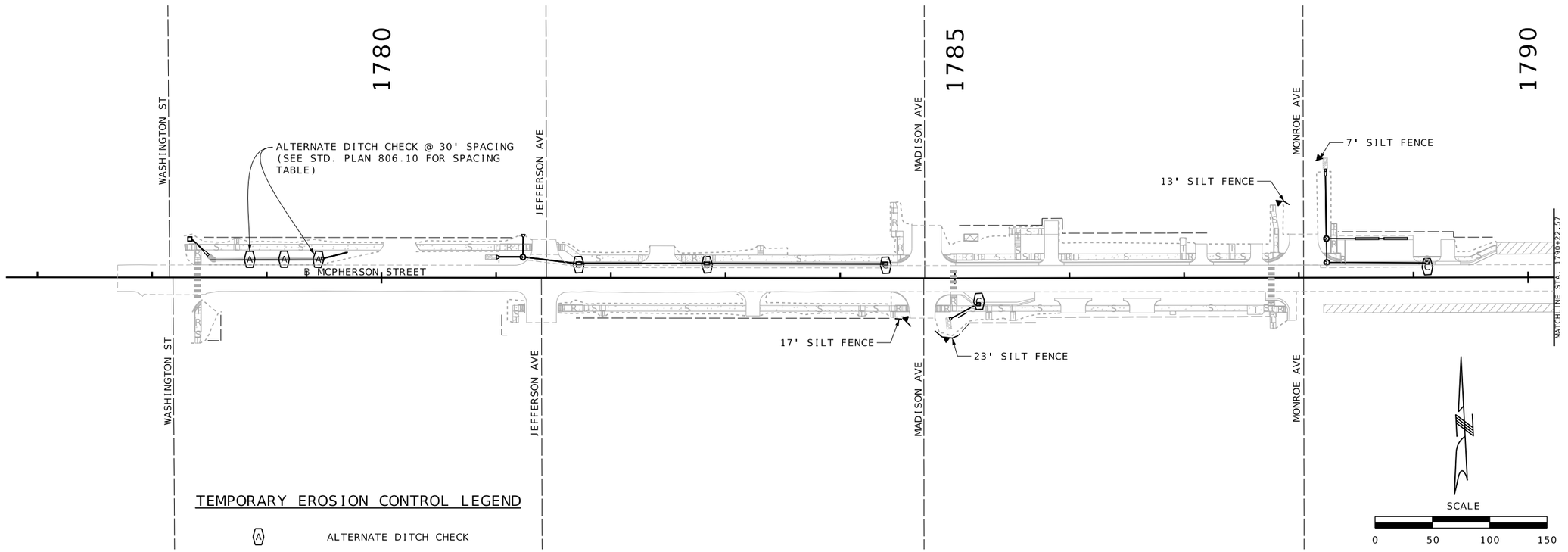
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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JEFFERSON CITY, MO 65102
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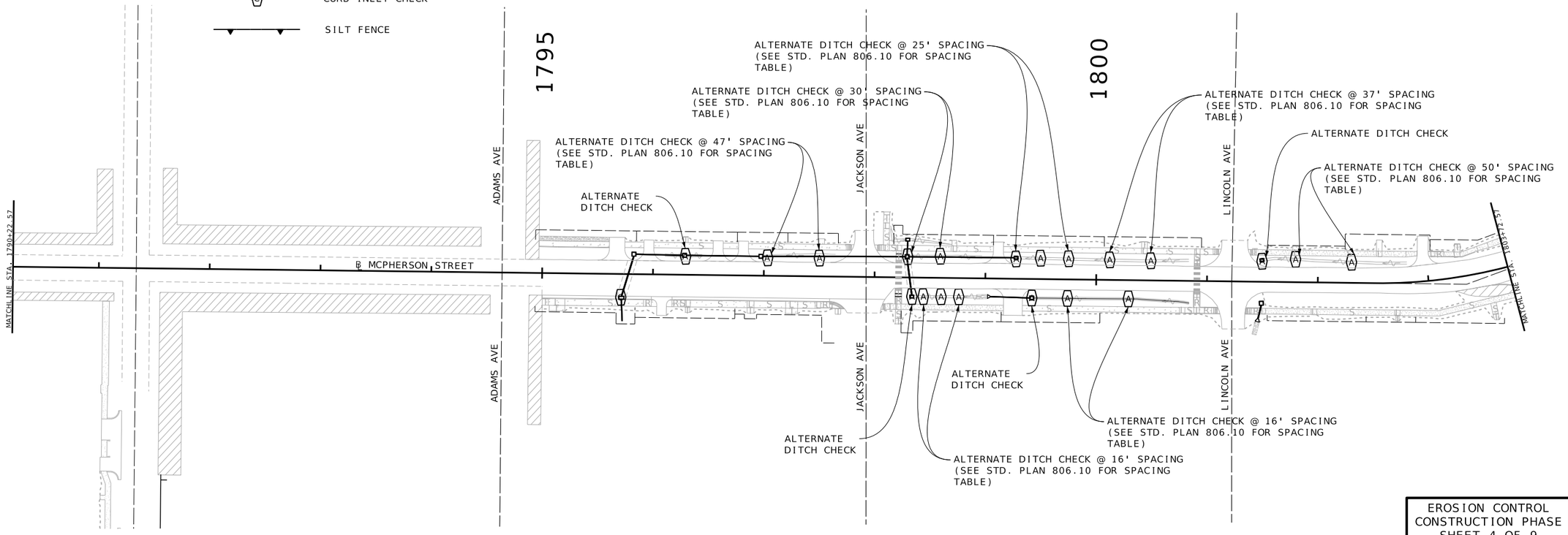
EROSION CONTROL
INITIAL PHASE
SHEET 3 OF 9

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TEMPORARY EROSION CONTROL LEGEND

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



EROSION CONTROL CONSTRUCTION PHASE
SHEET 4 OF 9

REID BRENNEN CATT NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED 8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	79

COUNTY JOHNSON
JOB NO. J3P3202
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

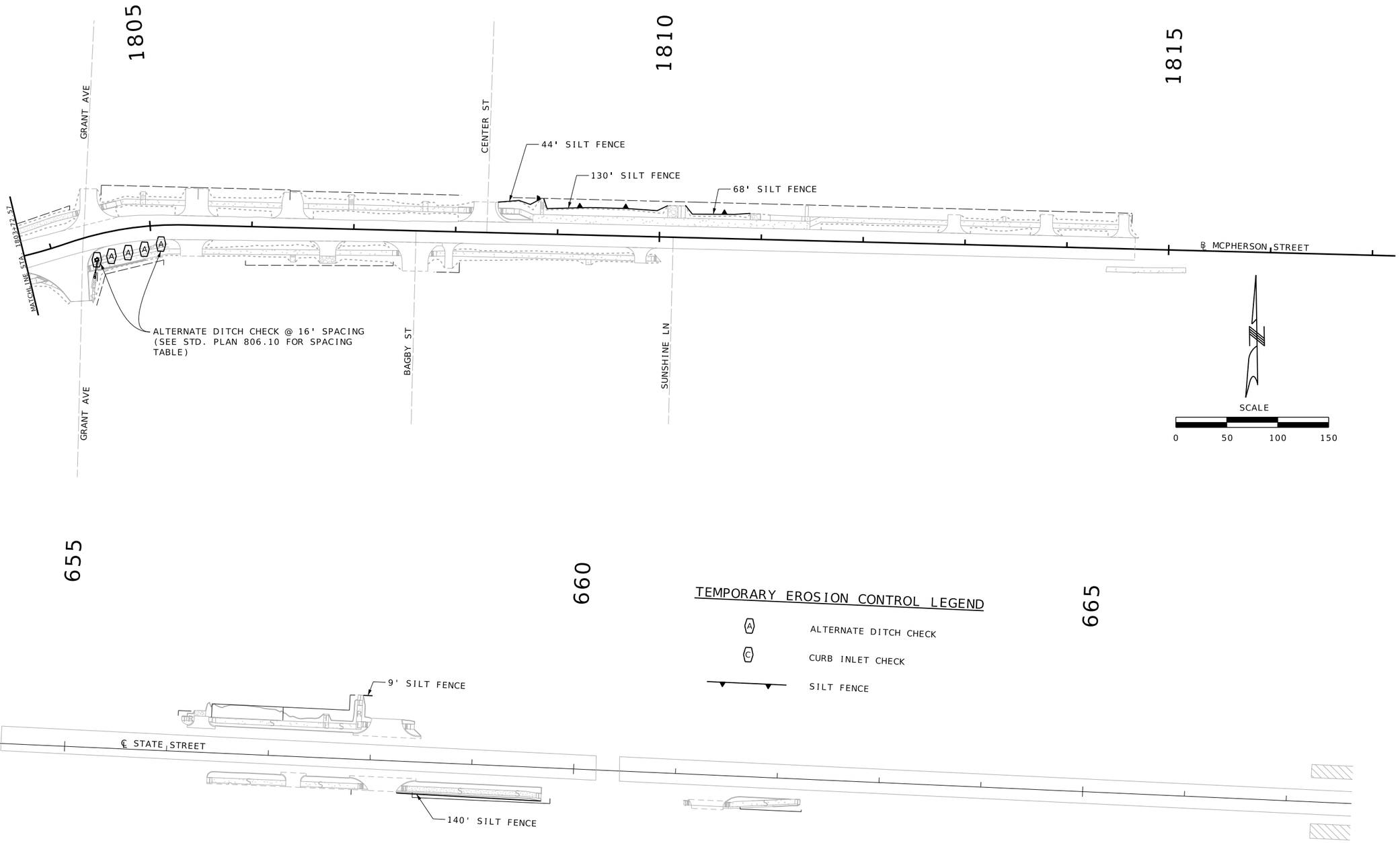
DESCRIPTION | DATE

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
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH (816) 361-1177
CERTIFICATE OF AUTHORITY NO. 001592

F:\2023\05001-05500\023-05302\40-Design\Microstation\023-05302 J3P3202\plan_sheets\09 Erosion Control\079_EC_04_J3P3202_I50_CONSTRUCTION_PHASE.dgn 8:26:57 AM 8/18/2026



TEMPORARY EROSION CONTROL LEGEND

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

REID BRENNEN CATT NUMBER PE-2010019516

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	80

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

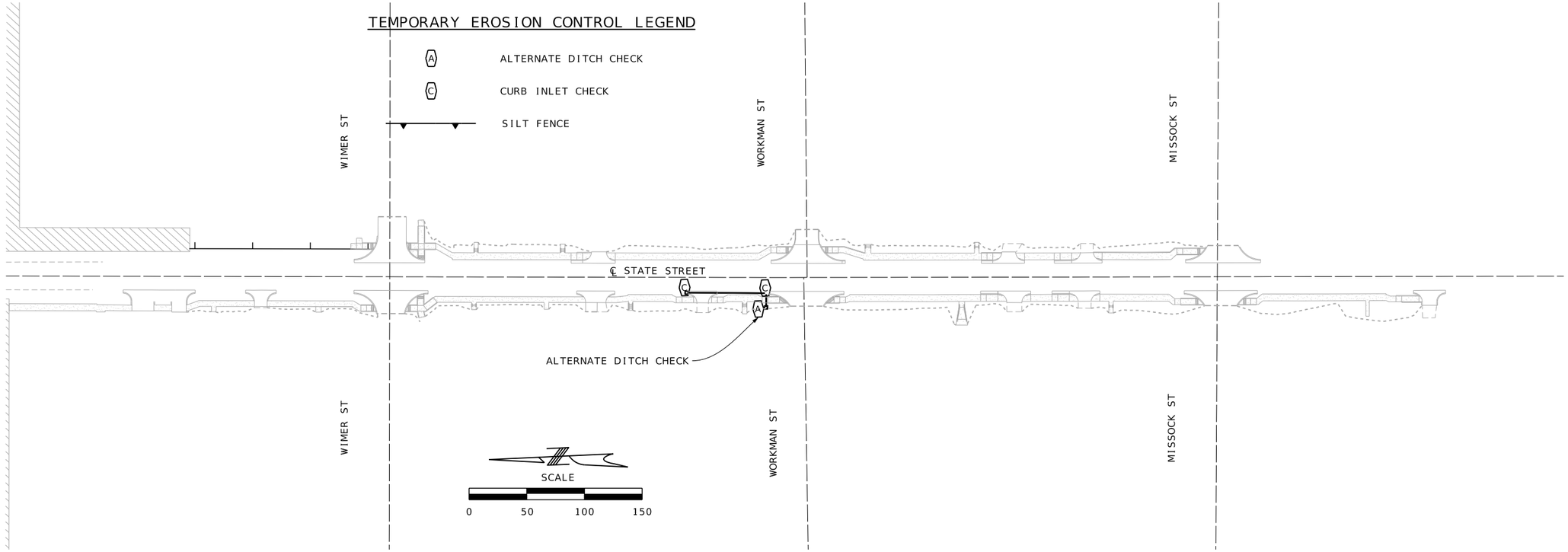
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

olsson
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592

EROSION CONTROL
CONSTRUCTION PHASE
SHEET 5 OF 9

TEMPORARY EROSION CONTROL LEGEND

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



EROSION CONTROL
CONSTRUCTION PHASE
SHEET 6 OF 9

REID BRENNEN CATT
NUMBER PE-2010019516

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	81

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

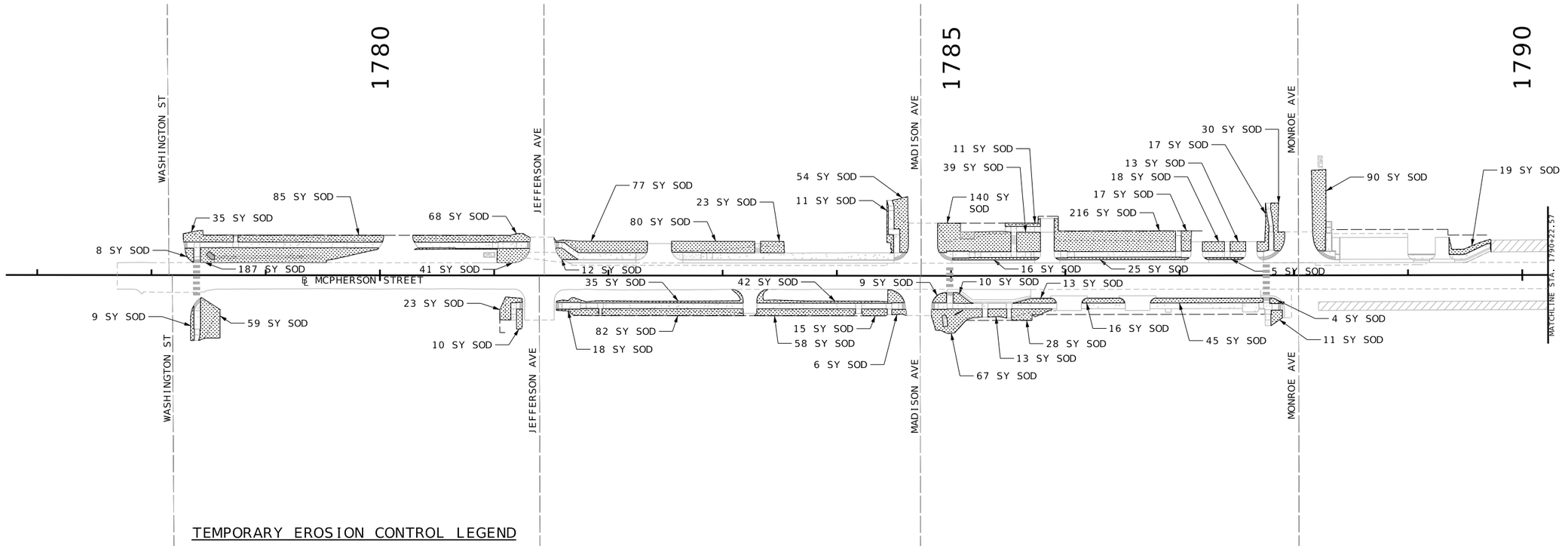
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

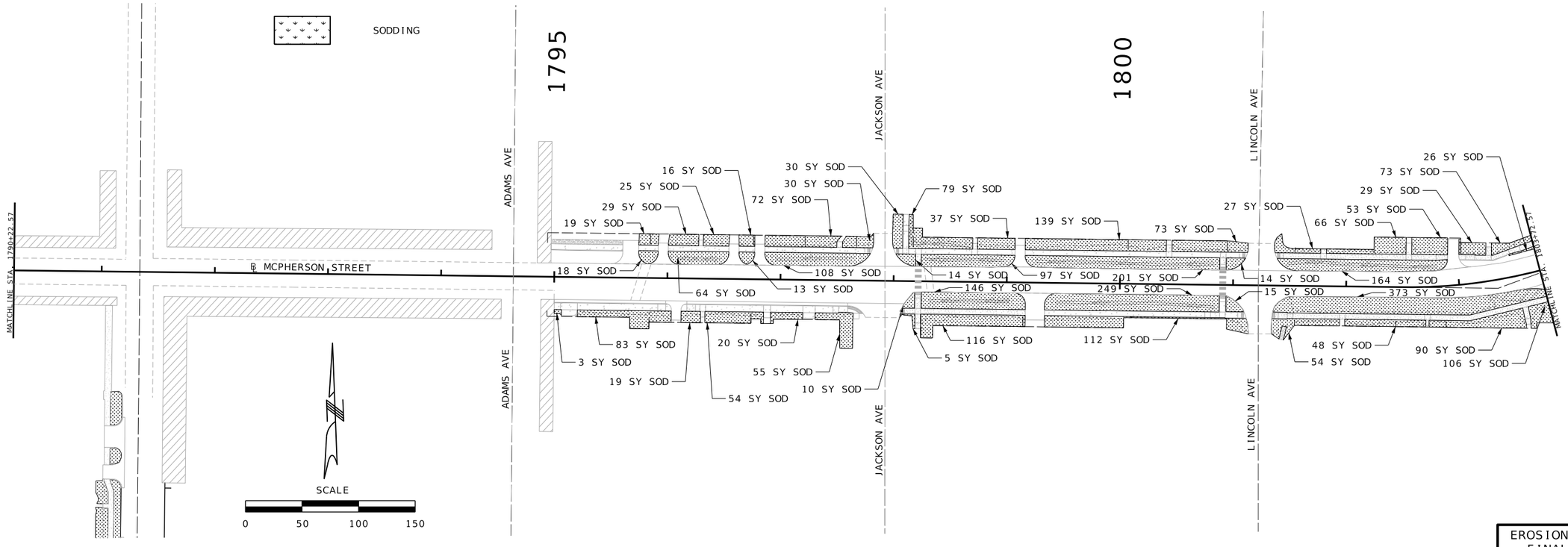
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592



TEMPORARY EROSION CONTROL LEGEND

SODDING



EROSION CONTROL
FINAL PHASE
SHEET 7 OF 9

REID BRENNEN CATT NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	82

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

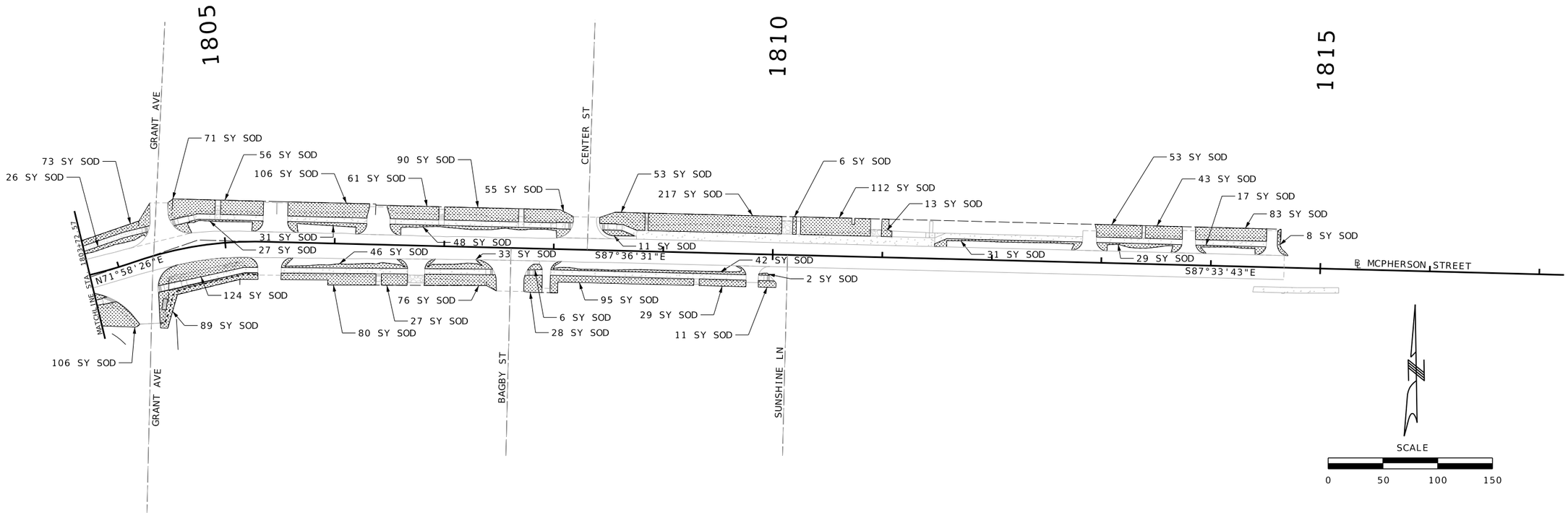
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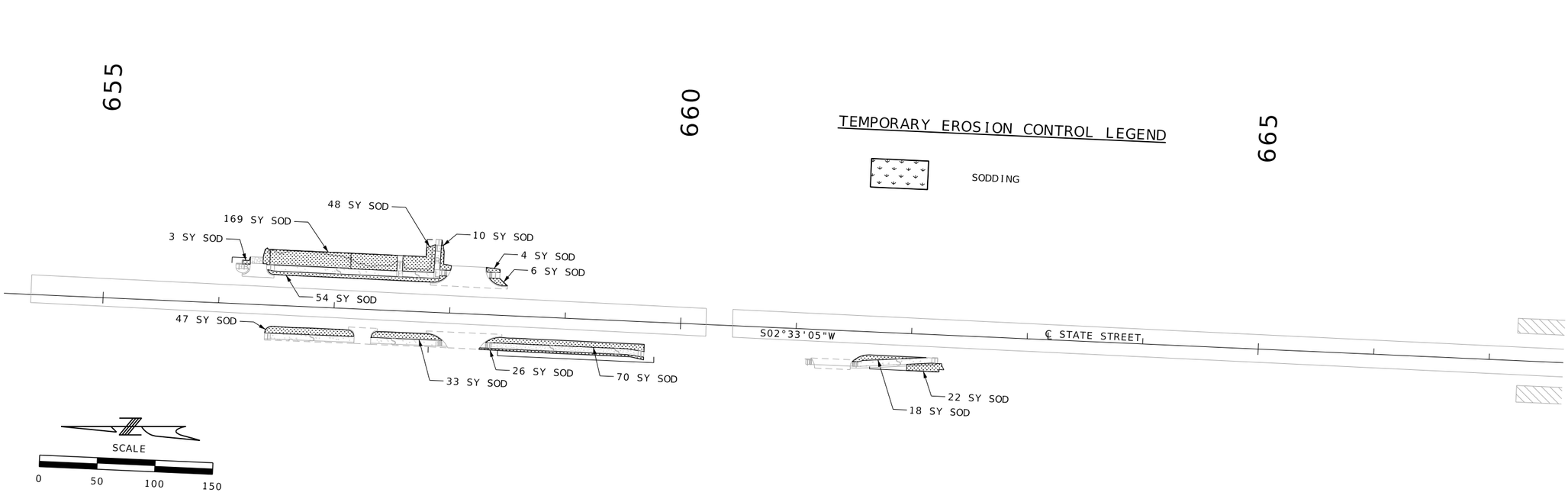
DESCRIPTION	DATE

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

olsson
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592

F:\2023\05001-05500\023-05302\40-Design\Microstation\023-05302 J3P3202\plan_sheets\09 Erosion Control\082_EC_07_J3P3202_I50_FINAL_PHASE.dgn 8:27:17 AM 8/18/2026





REID BRENNEN CATT NUMBER PE-2010019516

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	83

COUNTY
JOHNSON

JOB NO.
J3P3202

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)

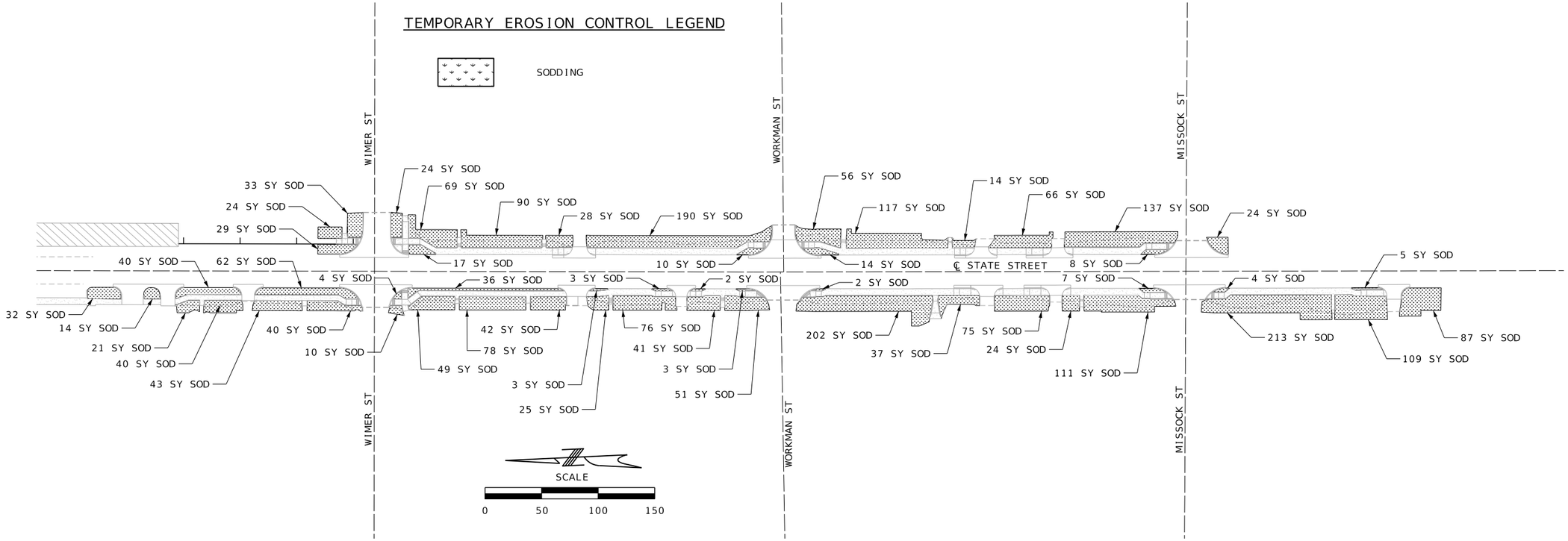
olsson
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592

EROSION CONTROL
FINAL PHASE
SHEET 8 OF 9

F:\2023\05001-05500\023-05302\40-Design\Microstation\023-05302 J3P3202\plan_sheets\09 Erosion Control\083_EC_08_J3P3202_I50_FINAL_PHASE.dgn 8:27:25 AM 8/18/2026

TEMPORARY EROSION CONTROL LEGEND

SODDING



EROSION CONTROL
FINAL PHASE
SHEET 9 OF 9

REID BRENNEN CATT NUMBER PE-2010019516

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	84

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

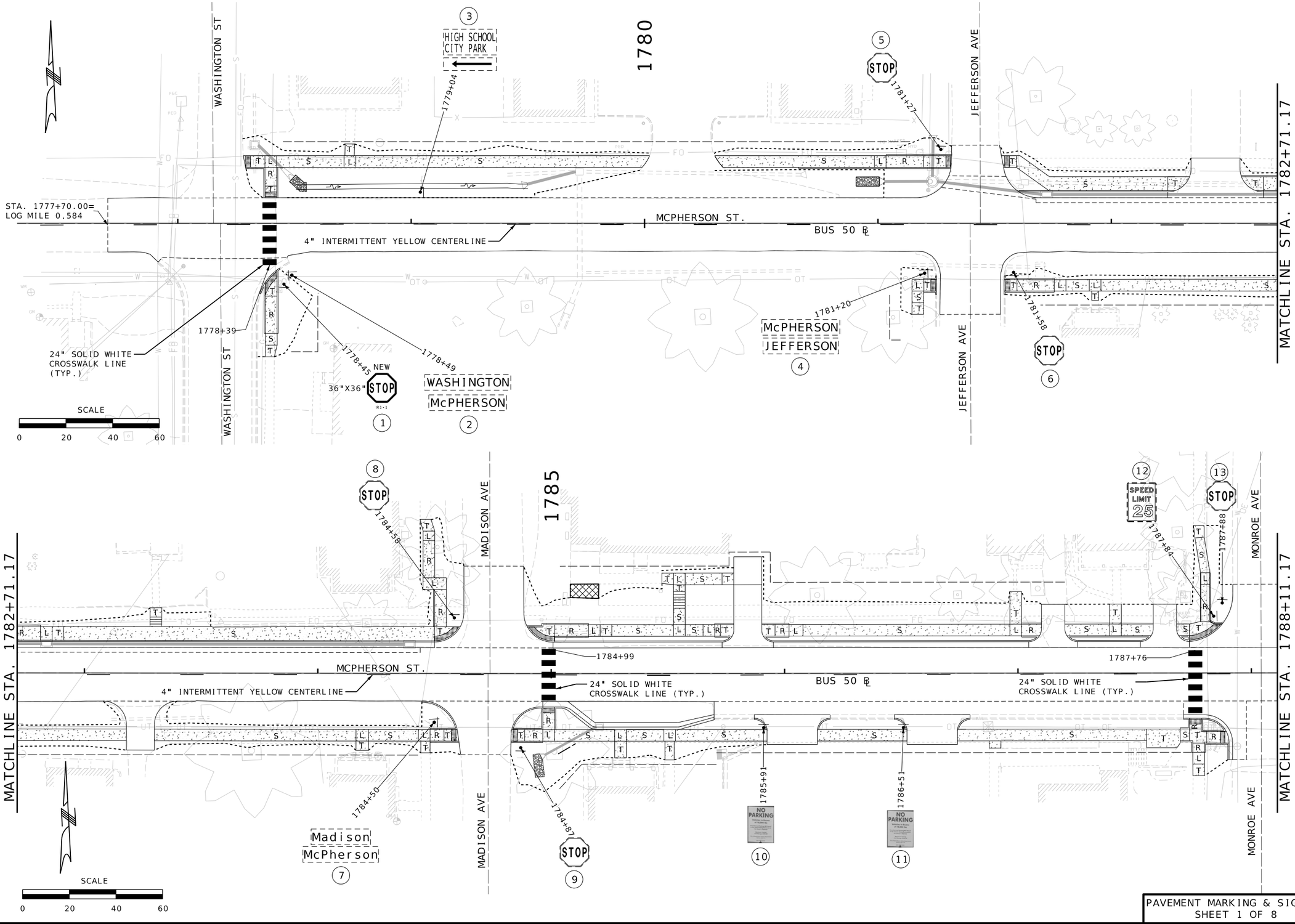
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

olsson
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592

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PAVEMENT MARKING & SIGNING
SHEET 1 OF 8

REID BRENNEN CATT NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	85

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

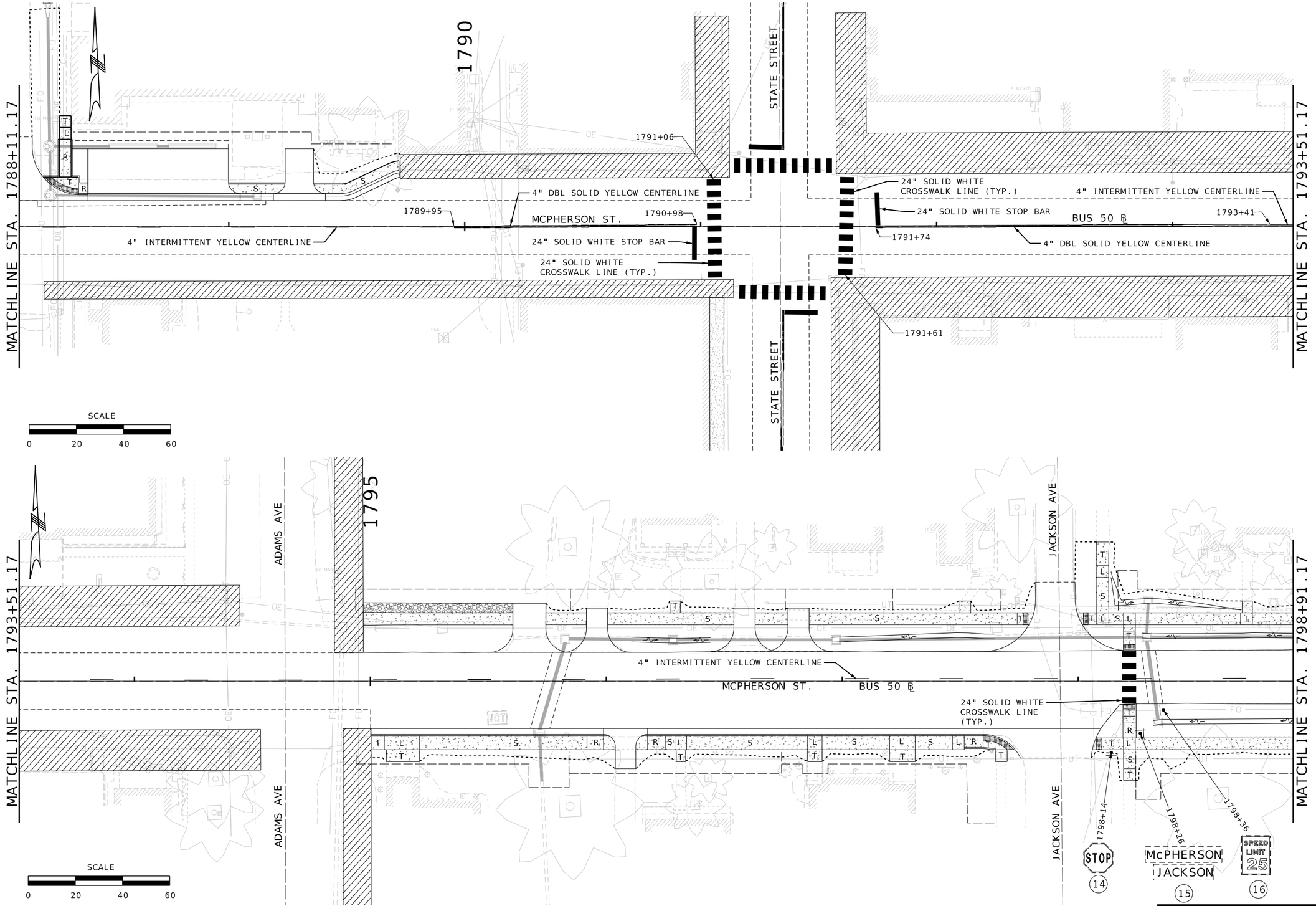
DESCRIPTION

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
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592



PAVEMENT MARKING & SIGNING
SHEET 2 OF 8

REID BRENNEN CATT NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	86

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

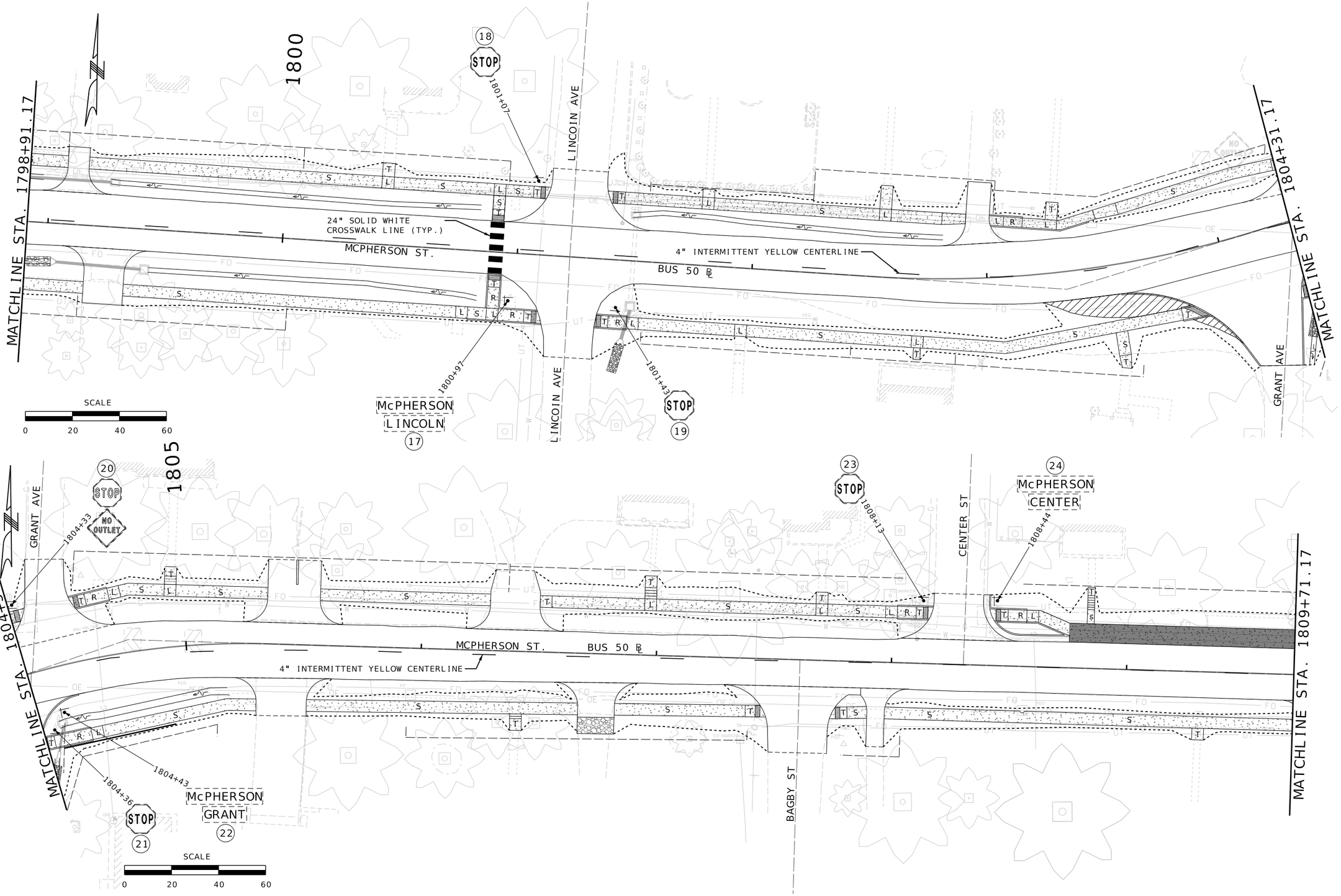
BRIDGE NO.

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
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592



PAVEMENT MARKING & SIGNING
SHEET 3 OF 8

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	87

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

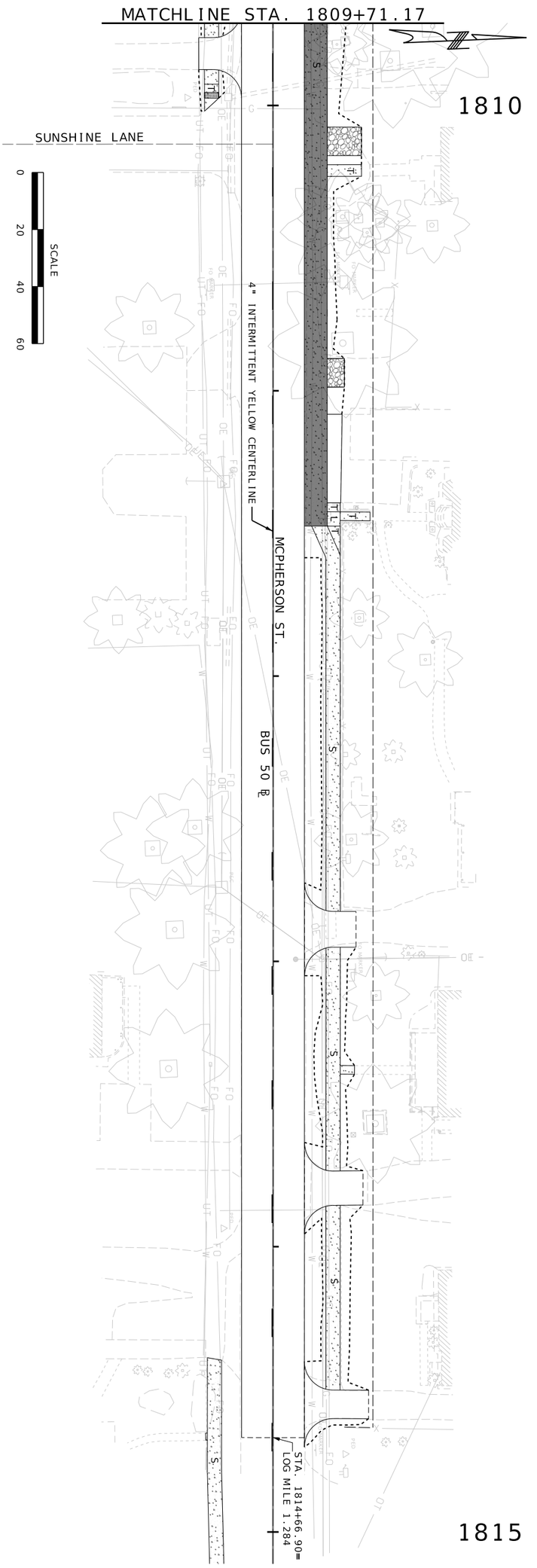
DESCRIPTION	DATE

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

olsson
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592

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PAVEMENT MARKING & SIGNING
SHEET 4 OF 8

olsson
1301 BURLINGTON STREET, SUITE. 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592

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

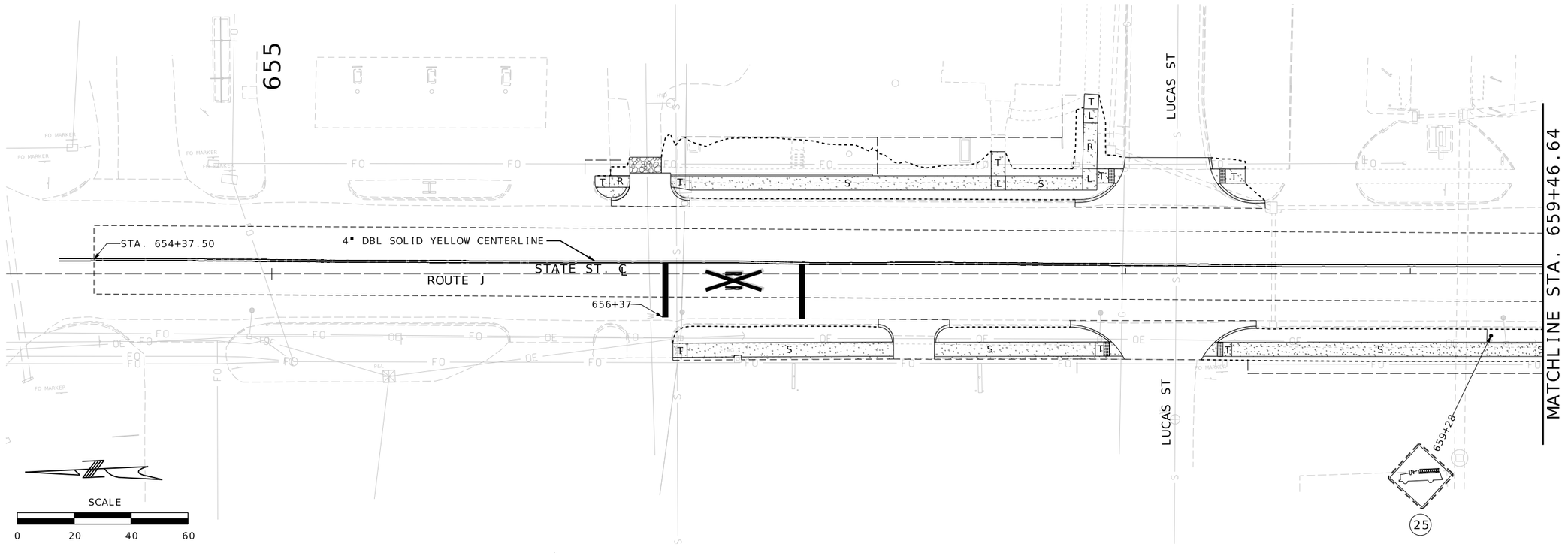
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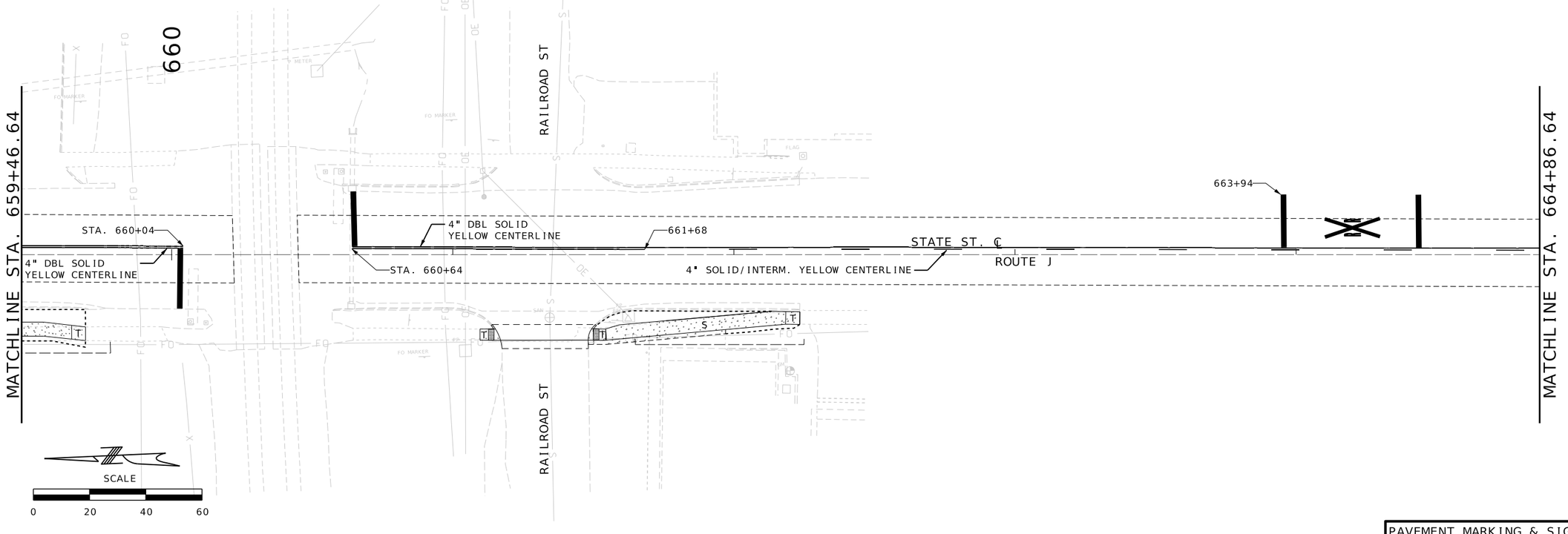
BRIDGE NO.
PROJECT NO.
CONTRACT ID. J3P3202
JOB NO. J3P3202
COUNTY JOHNSON
DISTRICT KC
SHEET NO. 88
ROUTE BU50/J
STATE MO
DATE PREPARED 8/18/2026

RED BRENNEN CATT PROJECT ENGINEER
MO# PE-2010019516
RED BRENNEN CATT PROJECT ENGINEER PE-2010019516

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

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REID BRENNEN CATT NUMBER PE-2010019516

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	89

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

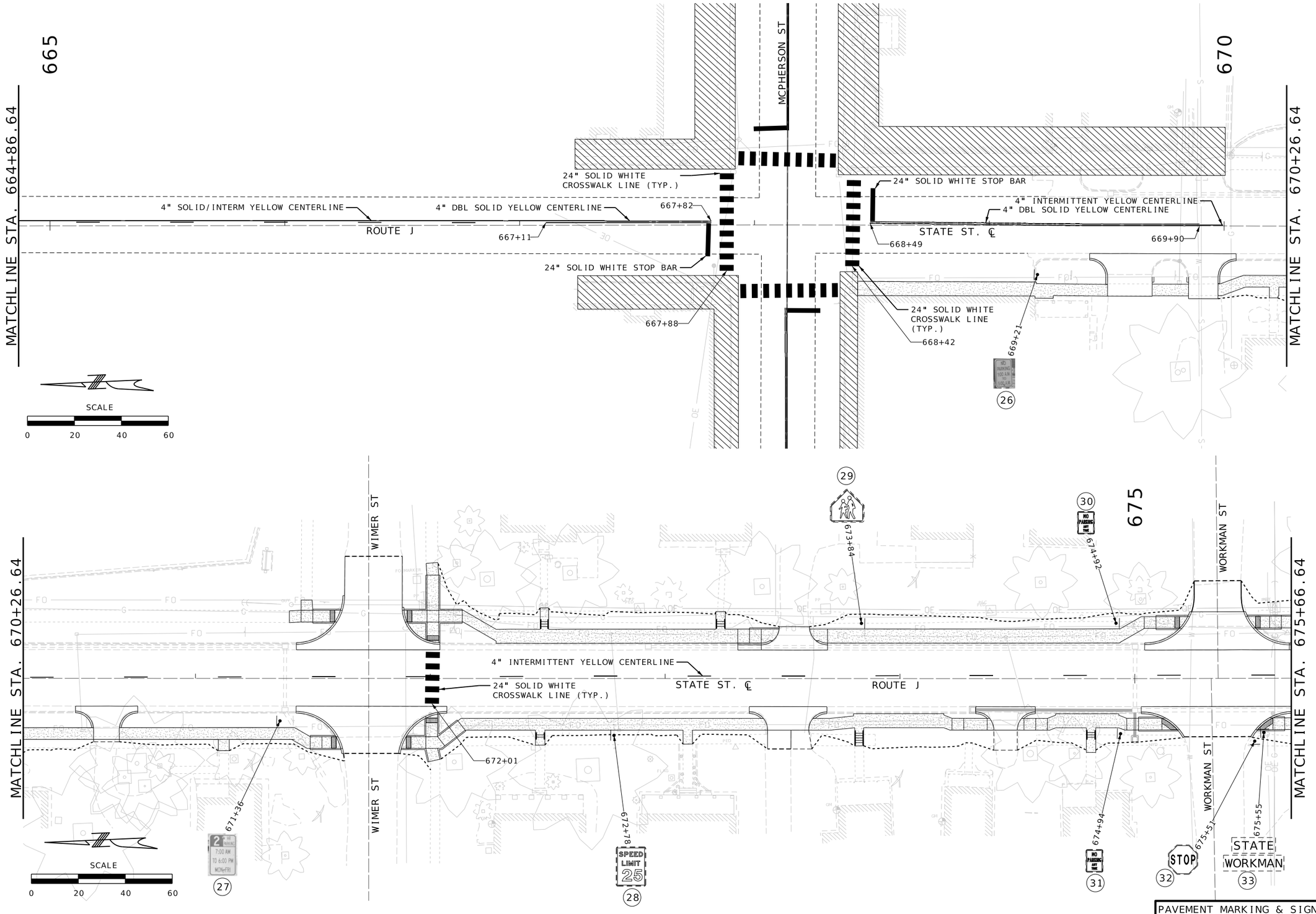
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

olsson
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592

PAVEMENT MARKING & SIGNING
SHEET 5 OF 8

F:\2023\05001-05500\023-05302\40-Design\Microstation\023-05302 J3P3202\plan_sheets\13 Pavement Marking\089_PM_SN_05-07_J3P3202_I20.dgn 8:27:51 AM 8/18/2026



REID BRENNEN CATT NUMBER PE-2010019516

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	90

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

olsson
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592

PAVEMENT MARKING & SIGNING
SHEET 6 OF 8

F:\2023\05001-05500\023-05302\40-Design\Microstation\023-05302 J3P3202\plan_sheets\13 Pavement Marking\089_PM_SN_05-07_J3P3202_120.dgn 8:27:53 AM 8/18/2026

REID BRENNEN CATT
NUMBER PE-2010019516

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	91

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

olsson
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592

PAVEMENT MARKING & SIGNING
SHEET 7 OF 8

SIGNS						CONCRETE FOOTINGS EMBEDDED	STRUCTURAL STEEL POSTS *						PIPE POSTS *					BACKING BARS **				U-CHANNEL POST	PERFORATED SQUARE STEEL TUBE											REMARKS AND OTHER REQUIRED ITEMS
																							2 IN. POST							2.5 IN. POST						
																										ANCHORS					ANCHORS		BREAK-AWAY ASSEMBLY	
SIGN NO.	SIGN SIZE	STATION	HORZ CLEAR IF NOT STD	LOCATION	SIGN DTL. SHT. NO.	ITEM NO. 9031010	POST DES NO.	POST NO.1	POST NO.2	POST NO.3	LBS PER FT	TOTAL ITEM NO. 9031210	PIPE SIZE	POST NO.1	POST NO.2	LBS PER FT	TOTAL ITEM NO. 9031220	2" X ▯" BARS @ 2.55 LBS PER FT NO. EACH	LGTH IN.	TOTAL LF	TOTAL LBS	ITEM NO. 9031250A	POST NO.1	POST NO.2	TOTAL ITEM NO. 9031270A	DRIVEN 12-GA. ITEM NO. 9031271A	DRIVEN 7-GA. ITEM NO. 9031273A	CONCRETE 7-GA. ITEM NO. 9031274	POST NO.1	POST NO.2	TOTAL ITEM NO. 9031280	2.25" INSERT (6 FT) ITEM NO. 9031272A	DRIVEN 7-GA. ITEM NO. 9031281A	CONCRETE 7-GA. ITEM NO. 9031285	ITEM NO. 9031241	
						CY		LF	LF	LF		LBS	IN.	LF	LF		LBS	EACH	IN.	LF	LBS	LF	LF	LF	LF	EA	EA	EA	LF	LF	LF	EA	EA	EA	EA	
1	36"X36"	1778+45		MCPHERSON																									16		16		1			INSTALL NEW
2		1778+49		MCPHERSON																									16		16		1			REMOVE AND RESET ON NEW POST
3		1779+04		MCPHERSON																									16		16		1			REMOVE AND RESET ON NEW POST
4		1781+20		MCPHERSON																									16		16		1			REMOVE AND RESET ON NEW POST
5		1781+27		MCPHERSON																									16		16		1			REMOVE AND RESET ON NEW POST
6		1781+58		MCPHERSON																									16		16		1			REMOVE AND RESET ON NEW POST
7		1784+50		MCPHERSON																									16		16		1			REMOVE AND RESET ON NEW POST
8		1784+58		MCPHERSON																									16		16		1			REMOVE AND RESET ON NEW POST
9		1784+87		MCPHERSON																									16		16		1			REMOVE AND RESET ON NEW POST
10	-	1785+91		MCPHERSON																									16		16		1			REMOVE AND RESET ON NEW POST
11	-	1786+51		MCPHERSON																									16		16		1			REMOVE AND RESET ON NEW POST
12		1787+84		MCPHERSON																									16		16		1			REMOVE AND RESET ON NEW POST
13		1787+88		MCPHERSON																									16		16		1			REMOVE AND RESET ON NEW POST
14		1798+14		MCPHERSON																									16		16		1			REMOVE AND RESET ON NEW POST
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16		1798+36		MCPHERSON																									16		16		1			REMOVE AND RESET ON NEW POST
17		1800+97		MCPHERSON																									16		16		1			REMOVE AND RESET ON NEW POST
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19		1801+43		MCPHERSON																									16		16		1			REMOVE AND RESET ON NEW POST
20		1804+33		MCPHERSON																									16		16		1			REMOVE AND RESET ON NEW POST
21		1804+36		MCPHERSON																									16		16		1			REMOVE AND RESET ON NEW POST
22		1804+43		MCPHERSON																									16		16		1			REMOVE AND RESET ON NEW POST
23		1808+13		MCPHERSON																									16		16		1			REMOVE AND RESET ON NEW POST
24		1808+44		MCPHERSON																									16		16		1			REMOVE AND RESET ON NEW POST
25		659+28		STATE ST																									16		16		1			REMOVE AND RESET ON NEW POST
26		669+21		STATE ST																									16		16		1			REMOVE AND RESET ON NEW POST
27		671+36		STATE ST																									16		16		1			REMOVE AND RESET ON NEW POST
28		672+78		STATE ST																									16		16		1			REMOVE AND RESET ON NEW POST
29		673+84		STATE ST																									16		16		1			REMOVE AND RESET ON NEW POST
30		674+92		STATE ST																									16		16		1			REMOVE AND RESET ON NEW POST
31		674+94		STATE ST																									16		16		1			REMOVE AND RESET ON NEW POST
32		675+51		STATE ST																									16		16		1			REMOVE AND RESET ON NEW POST
33		675+55		STATE ST																									16		16		1			REMOVE AND RESET ON NEW POST
34		676+27		STATE ST																									16		16		1			REMOVE AND RESET ON NEW POST
35		677+62		STATE ST																									16		16		1			REMOVE AND RESET ON NEW POST
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38		679+11		STATE ST																									16		16		1			REMOVE AND RESET ON NEW POST
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				SUBTOTAL																											624		39			
				TOTAL																		**									624		39			

* BREAKAWAY ASSEMBLY IS INCIDENTAL FOR STRUCTURAL STEEL AND PIPE POSTS.
** BACKING BARS ARE TOTALED WITH STRUCTURAL STEEL OR PIPE POSTS.

STANDARD SIGN ASSEMBLIES

SIGN NO.	STATION	LOCATION	TYPE																
			SH	SH	SH	SH	SH	SHF	SHF	SHF	SH	SH	SH	SH	SH	SH	SH	SH	SH
			SIGN DESCRIPTION, SIZES & NUMBER OF EACH																
			36"X36" R1-1	60"X60"X60" R2-1	30"X30" R5-1	* 12"X18" R7-1	48"X24" W1-7	36"X36" W11-2 (L)	36"X18" W16-7P(L)	24"X12" W16-9P	96"X36" D2-1	* 24"X24" M1-1	24"X24" M1-4	* 24"X24" M1-5a	* 24"X15" M6-1	* 24"X15" M6-3	* 24"X15" M6-4	* 96"X36" D2-1	
1	1778+39	MCPHERSON	1																
		TOTAL	1																

*REMOVE AND RESET EXISTING SIGNS

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 SHF ITEM NO. 9035069A	STRUCTURAL ST ITEM NO. 9035011A	STRUCTURAL STF ITEM NO. 9035071A
R1-1	STD	1	36"X36"	9.0			
R2-1	STD		60"X60"X60"				
R5-1	STD		30"X30"				
W1-7	STD		48"X24"				
W11-2 (L)	STD		36"X36"				
W16-7P(L)	STD		36"X18"				
W16-9P	STD		24"X12"				
D2-1	STD		96"X36"				
			SUBTOTAL	9.0			
			TOTAL	9			

PAVEMENT MARKING & SIGNING
SHEET 8 OF 8

REID BRENNEN CATT NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER MO# PE-2010019516

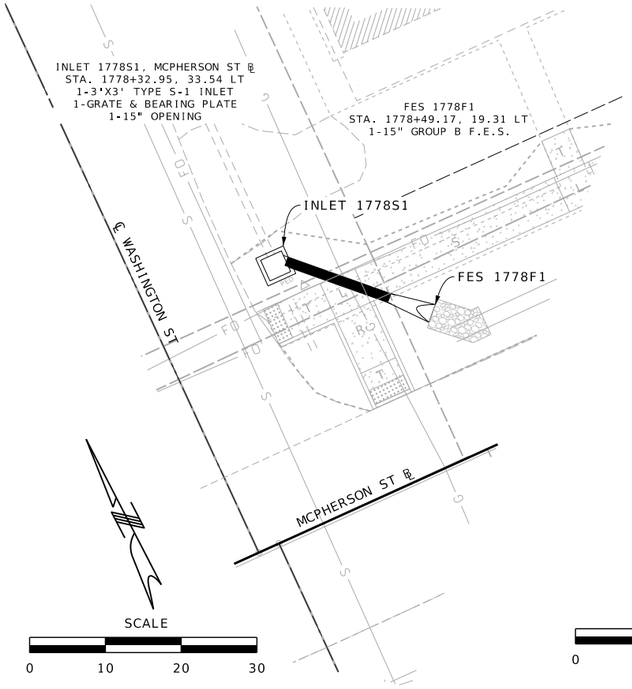
DATE PREPARED 8/18/2026
ROUTE BU50/J | STATE MO
DISTRICT KC | SHEET NO. 92
COUNTY JOHNSON
JOB NO. J3P3202
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

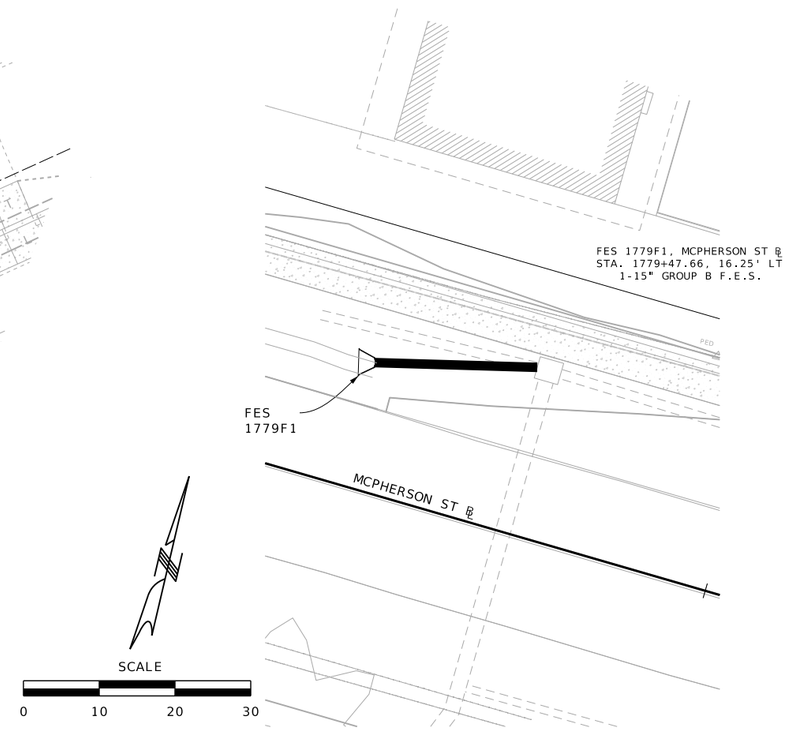
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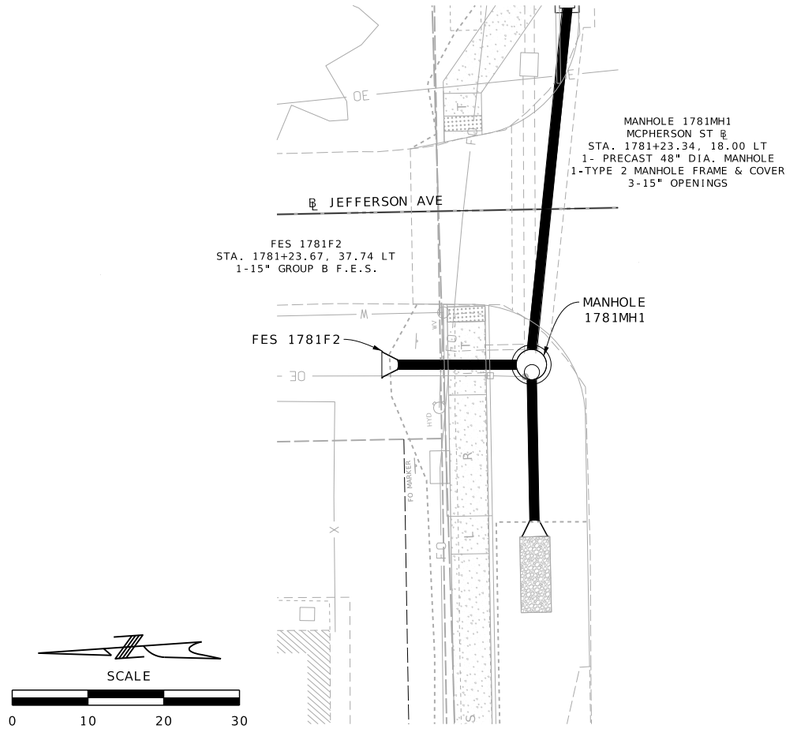
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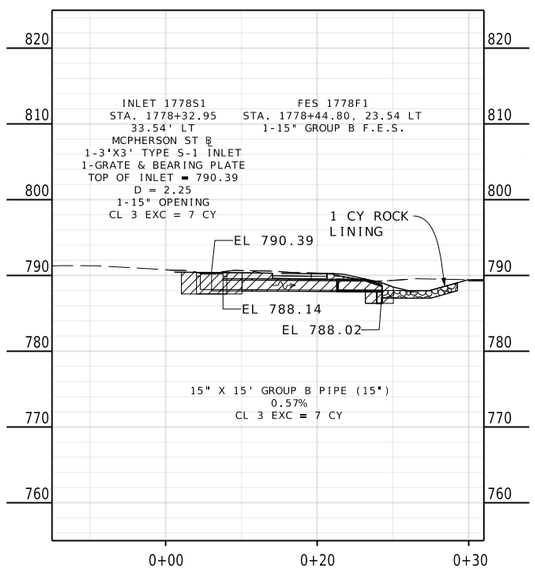
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

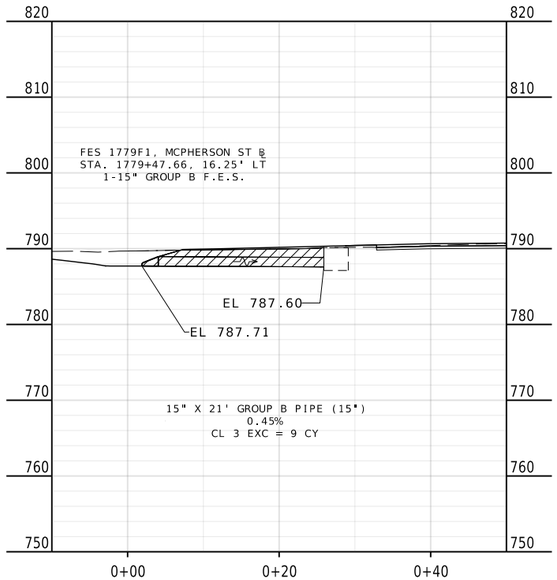
olsson
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF AUTHORITY NO. 001592

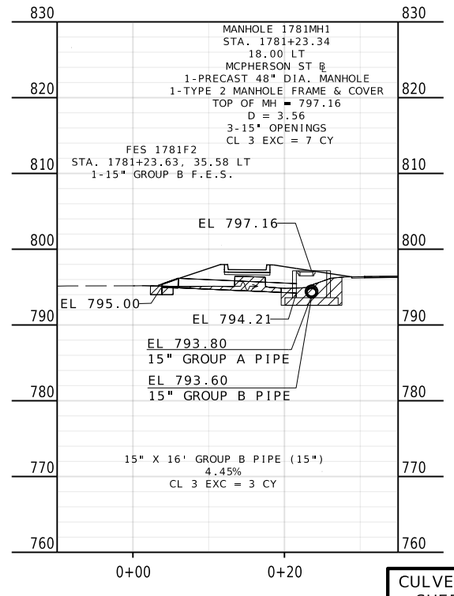












CULVERT SECTIONS
SHEET 1 OF 10

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO

DISTRICT	SHEET NO.
KC	93

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

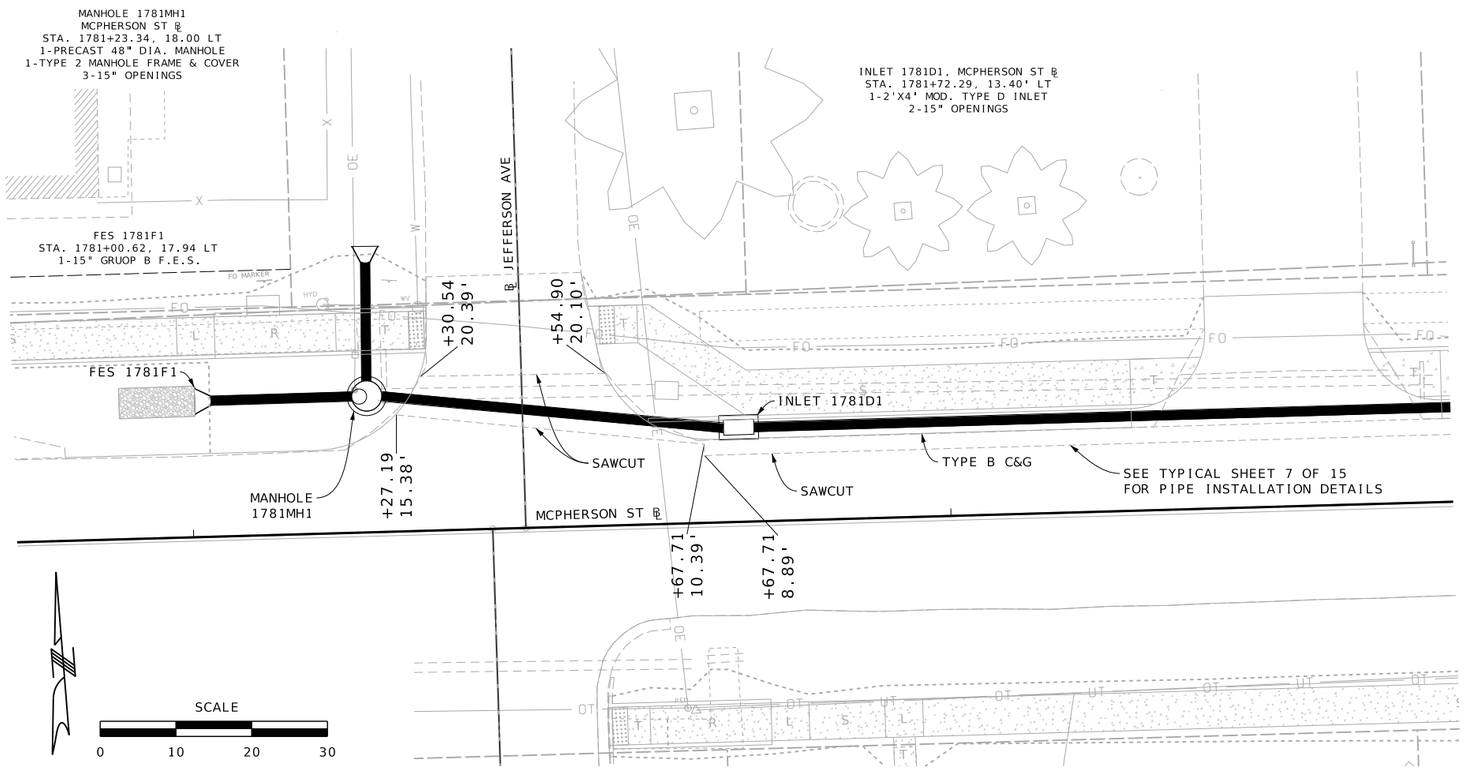
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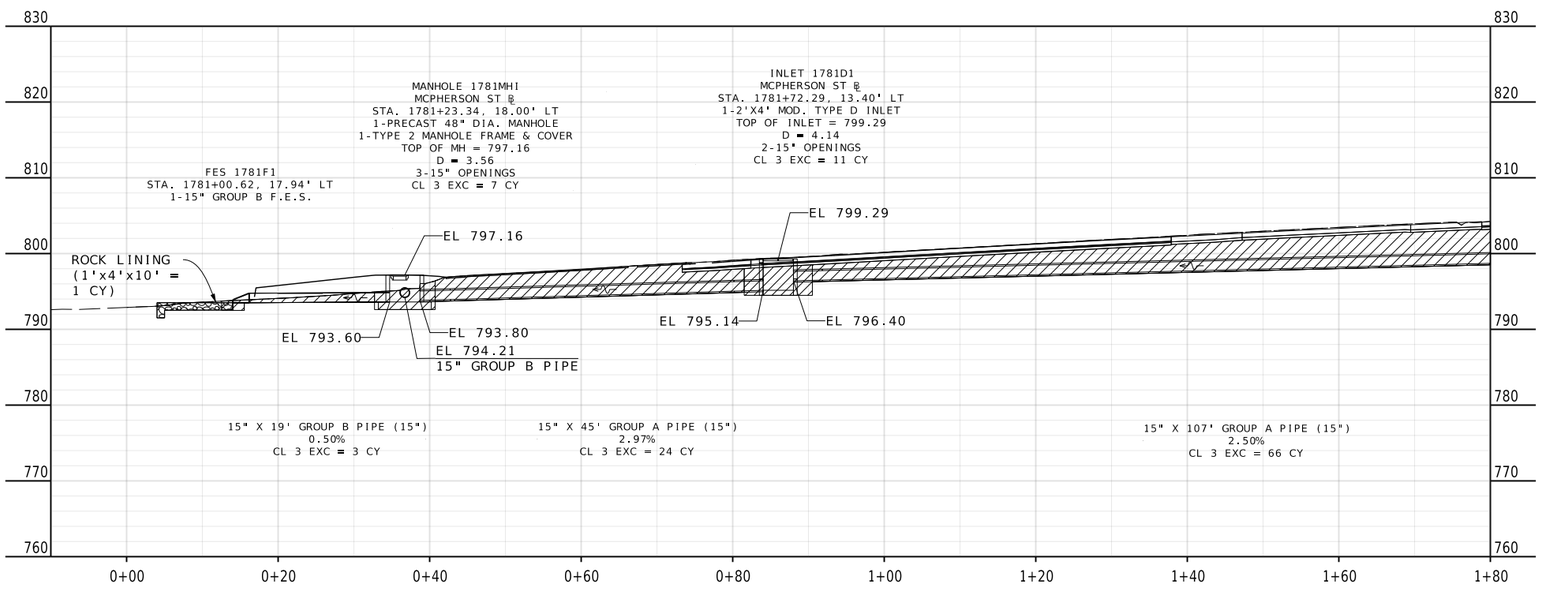
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

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NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592





REID BRENNEN CATT NUMBER PE-2010019516

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	94

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

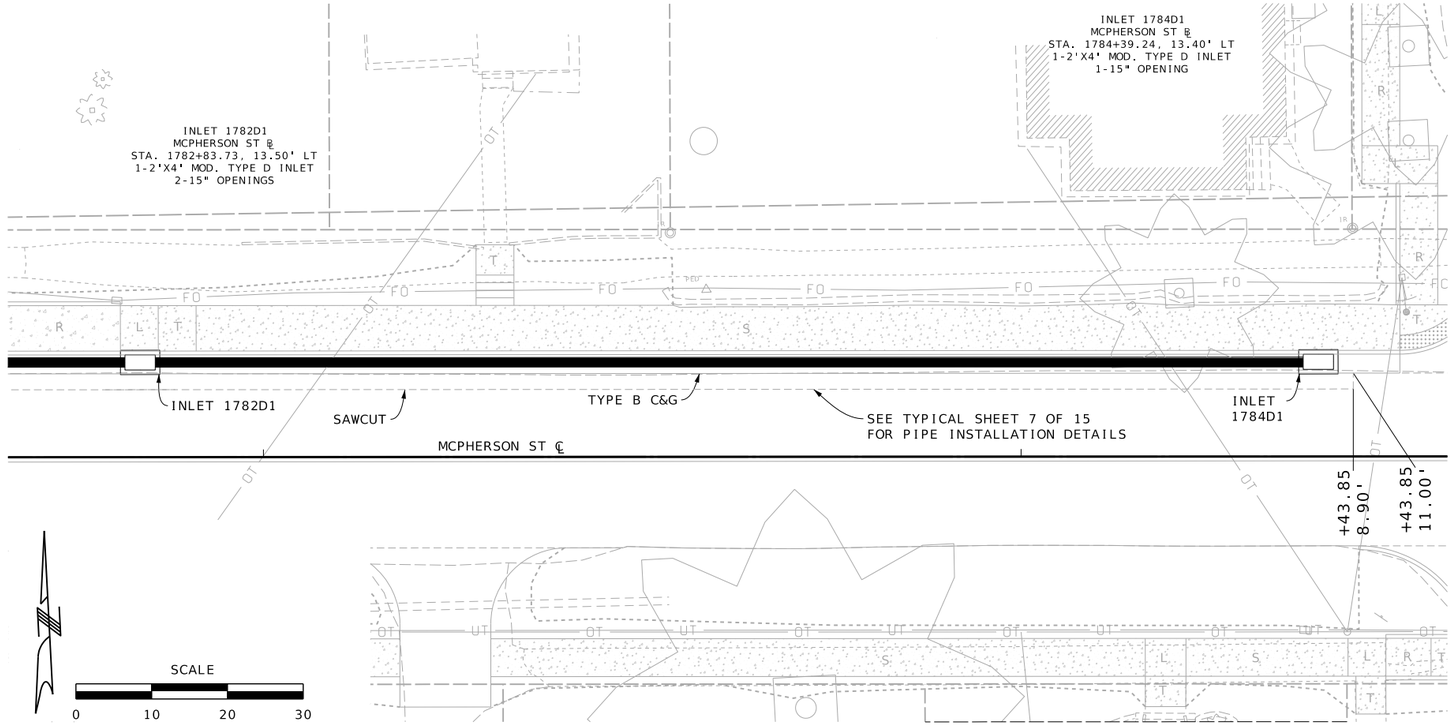
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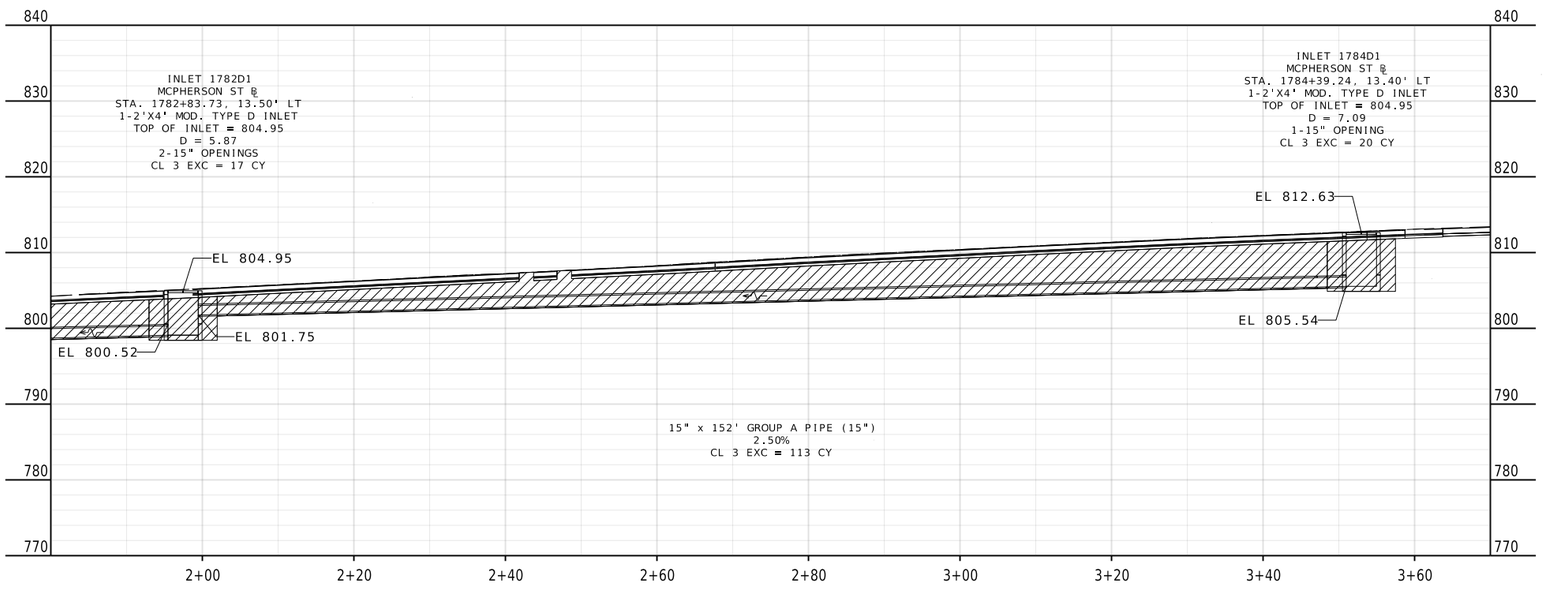
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

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CERTIFICATE OF
AUTHORITY NO. 001592

CULVERT SECTIONS
SHEET 2 OF 10





REID BRENNEN CATT NUMBER PE-2010019516

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	95

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

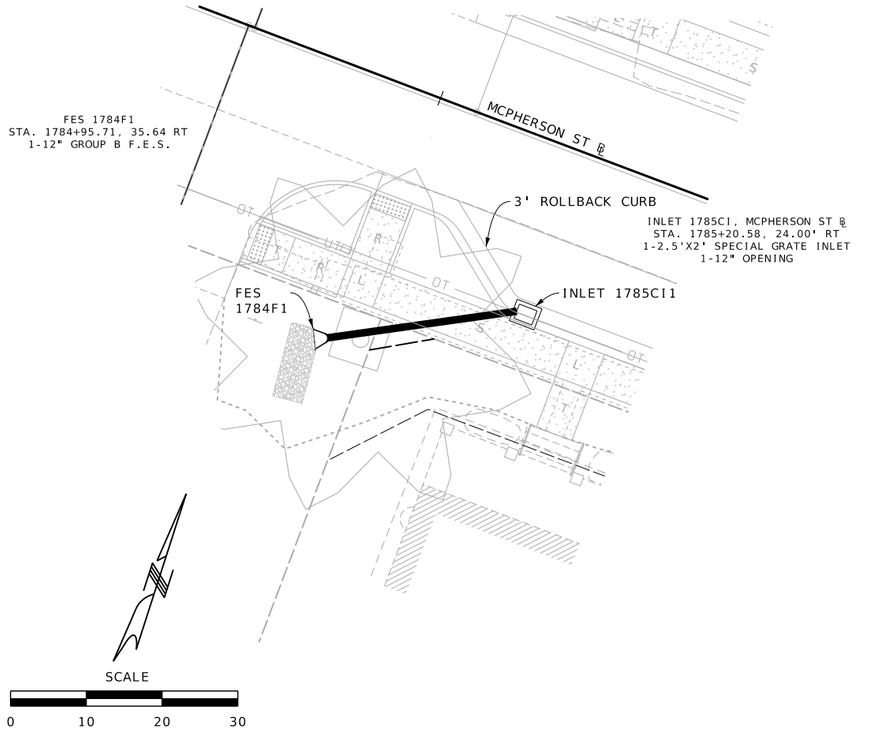
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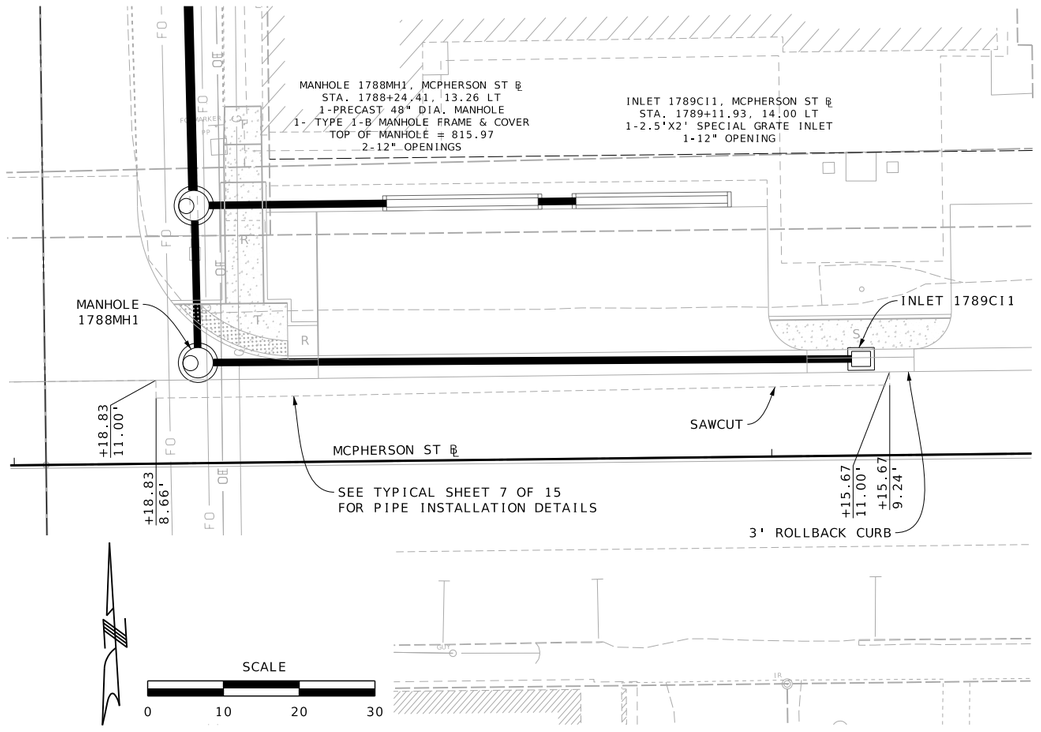
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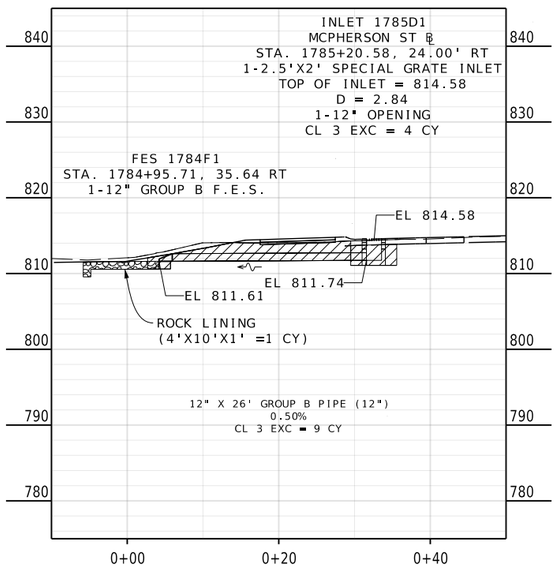
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JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

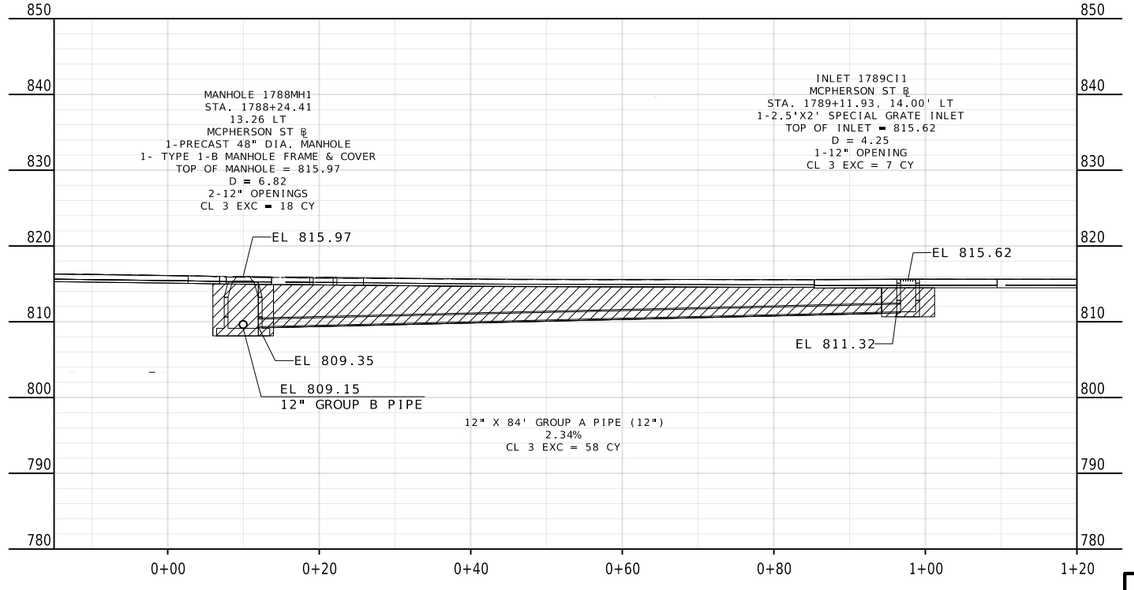
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AUTHORITY NO. 001592

CULVERT SECTION
SHEET 3 OF 10









CULVERT SECTION
SHEET 4 OF 10

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	96

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

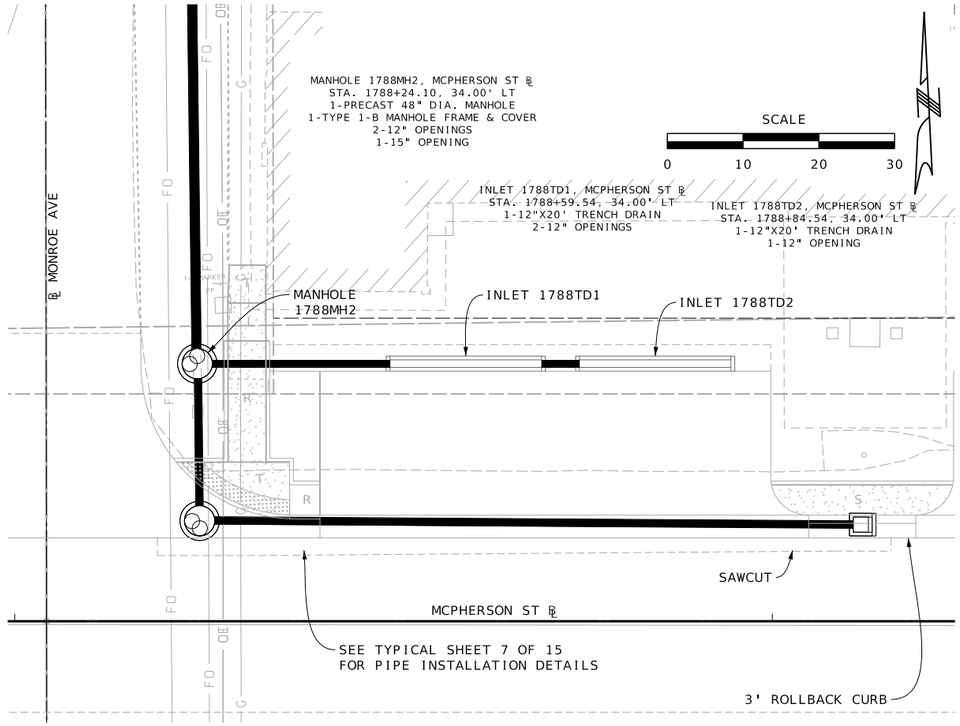
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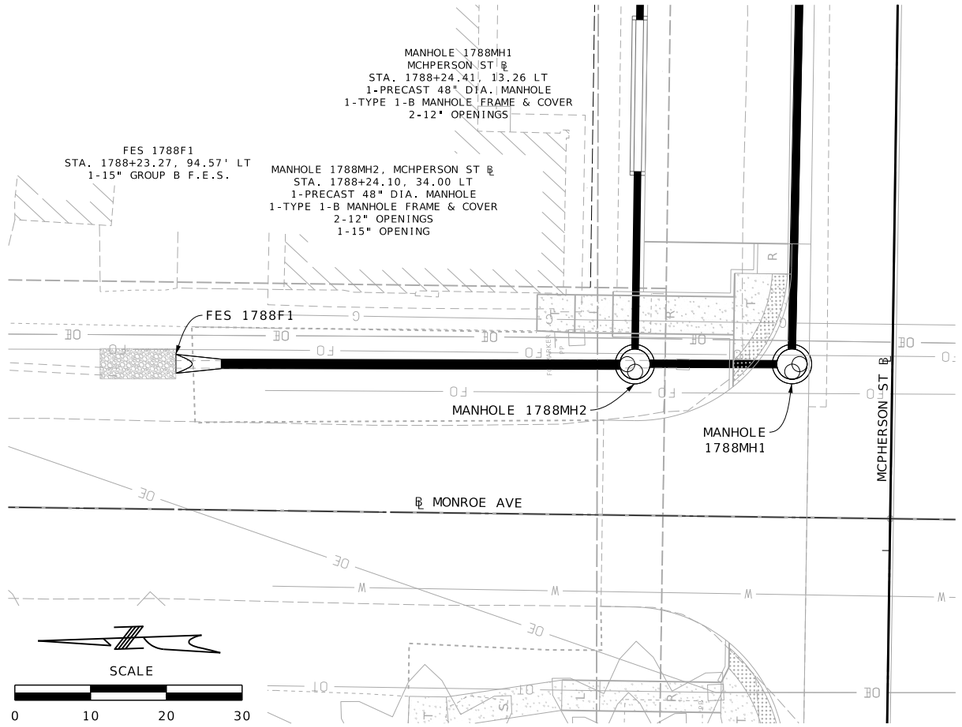
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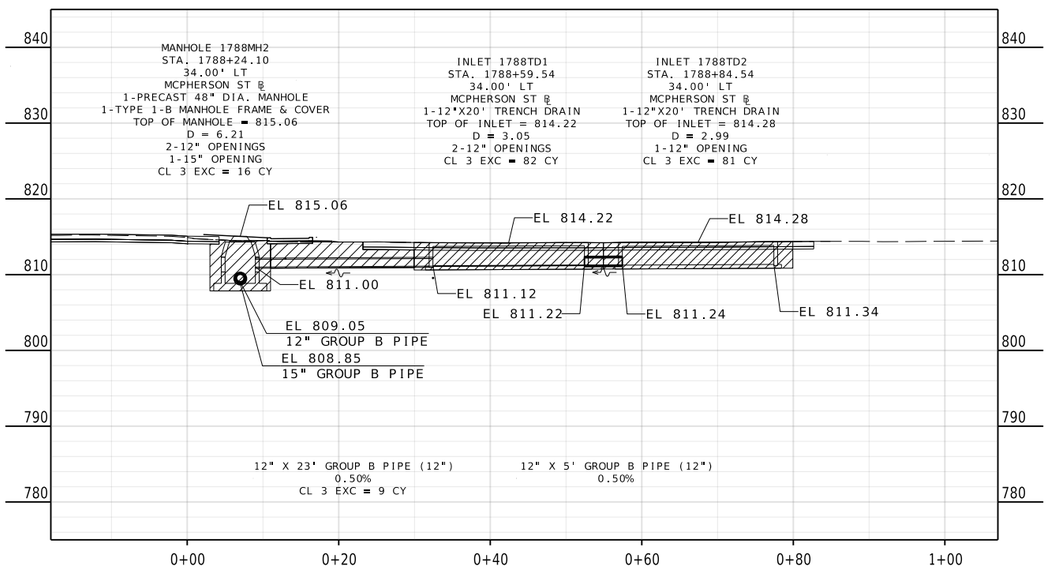
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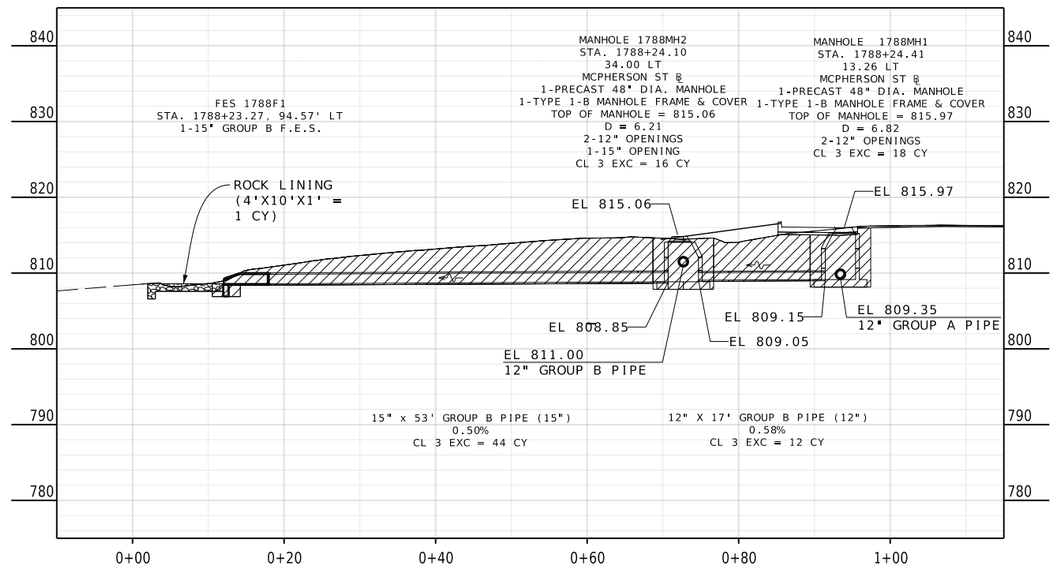
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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NORTH KANSAS CITY, MO 64116
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CERTIFICATE OF
AUTHORITY NO. 001592









REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	97

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

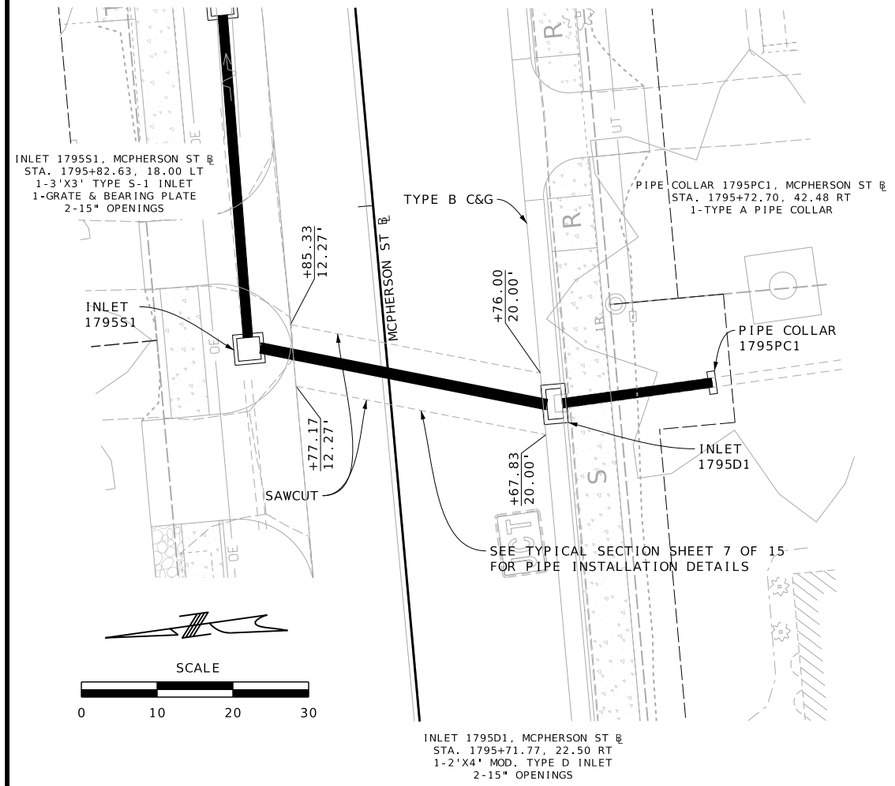
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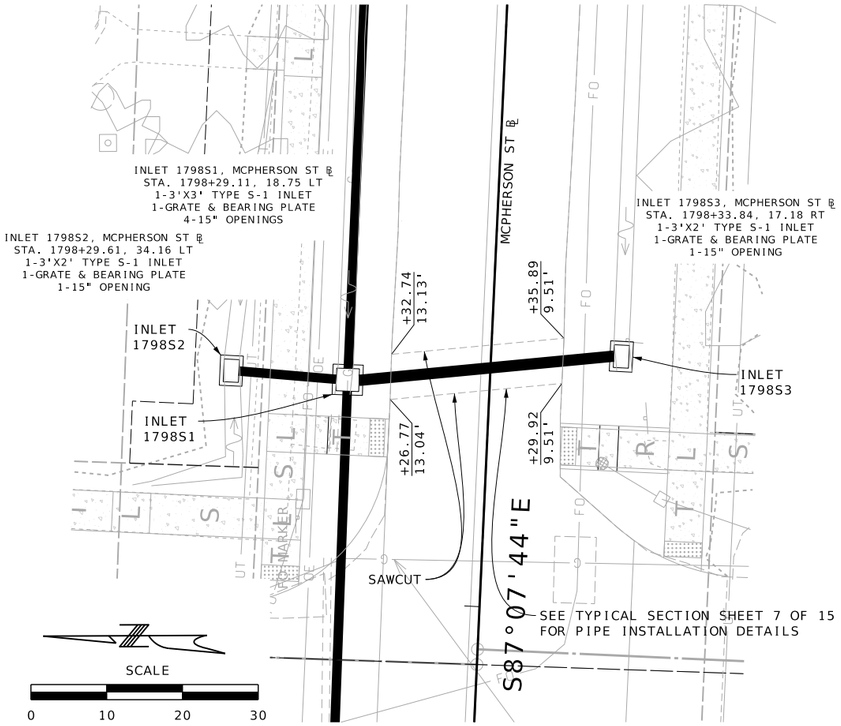
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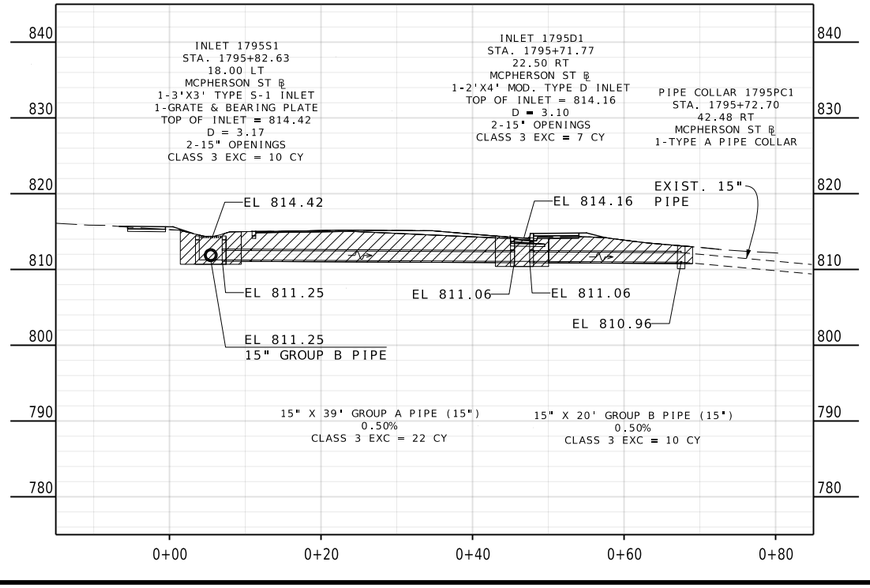
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

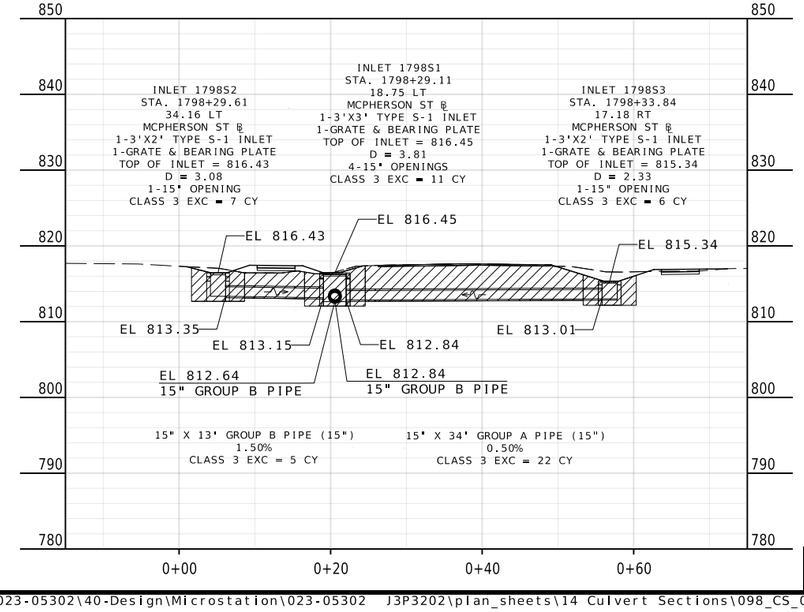
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CERTIFICATE OF
AUTHORITY NO. 001592

CULVERT SECTION
SHEET 5 OF 10









CULVERT SECTIONS
SHEET 6 OF 10

REID BRENNEN CATT NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	98

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

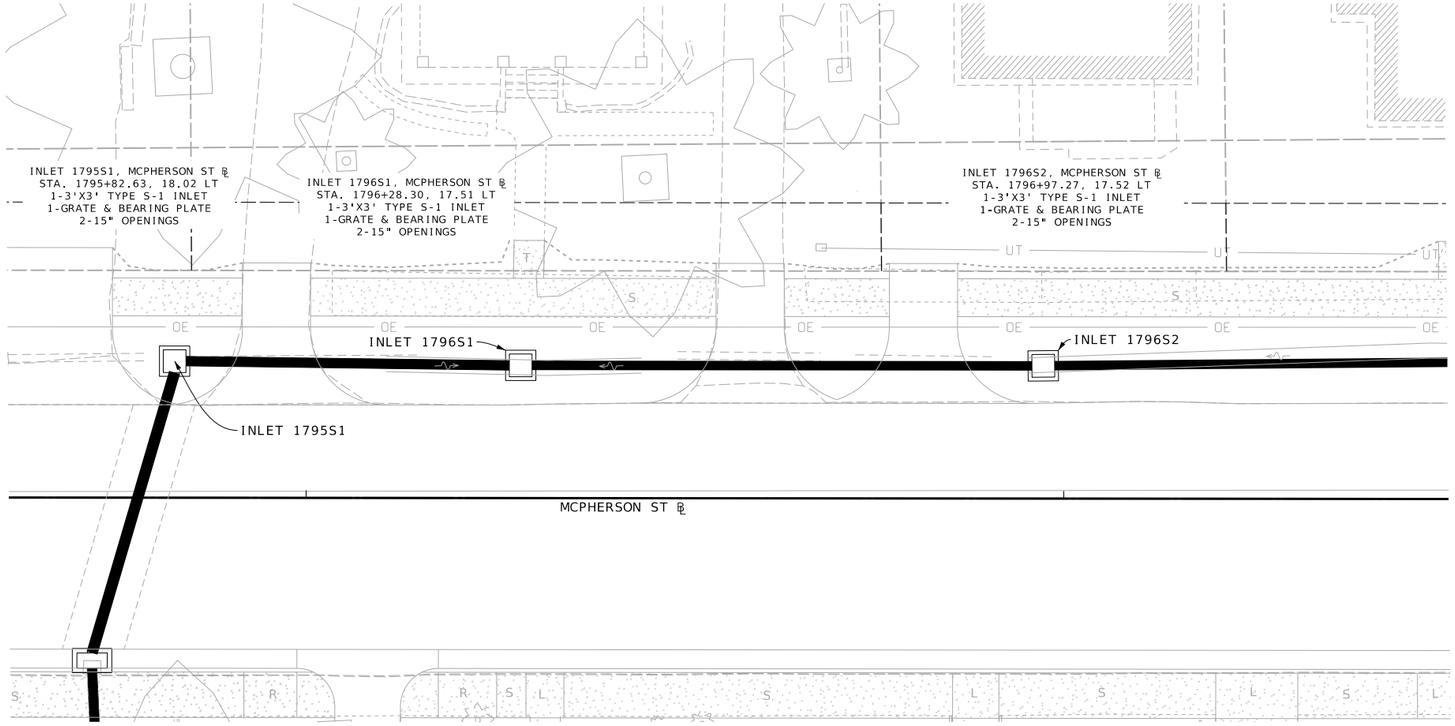
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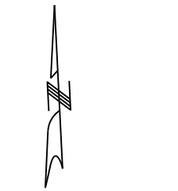
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH. (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592

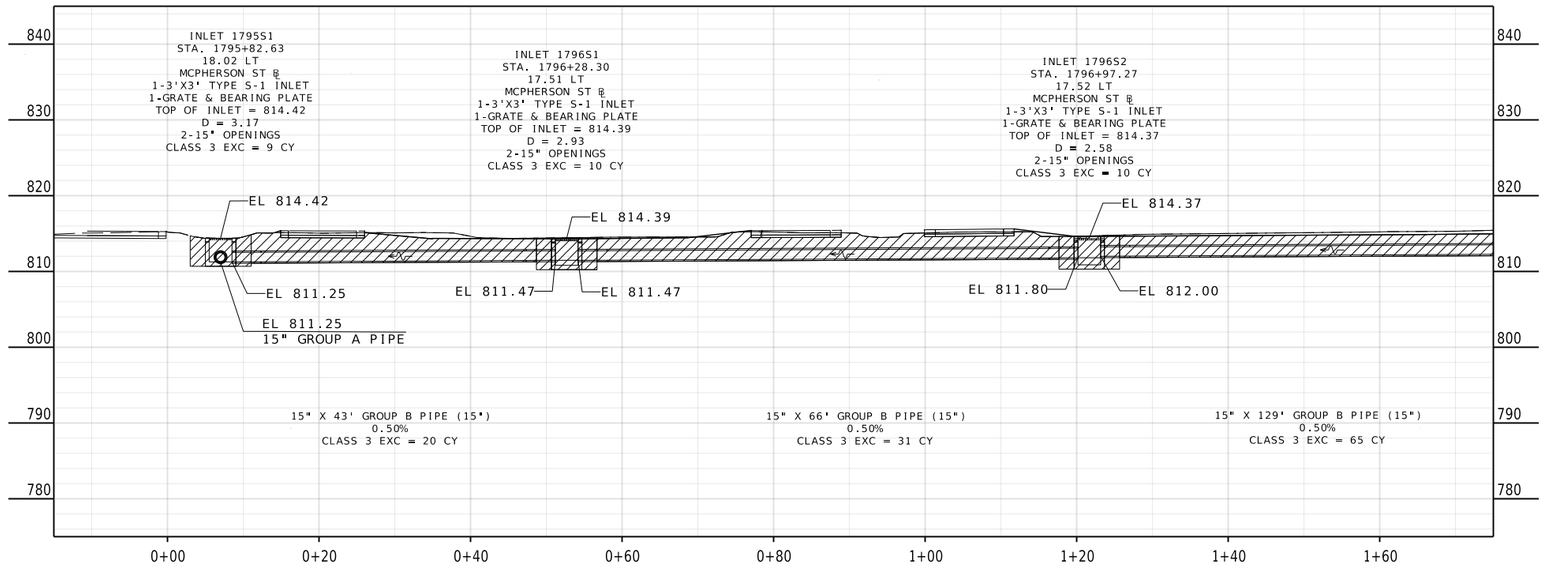
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SCALE

0 10 20 30



CULVERT SECTIONS
SHEET 7 OF 10

REID BRENNEN CATT NUMBER PE-2010019516

REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	99

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

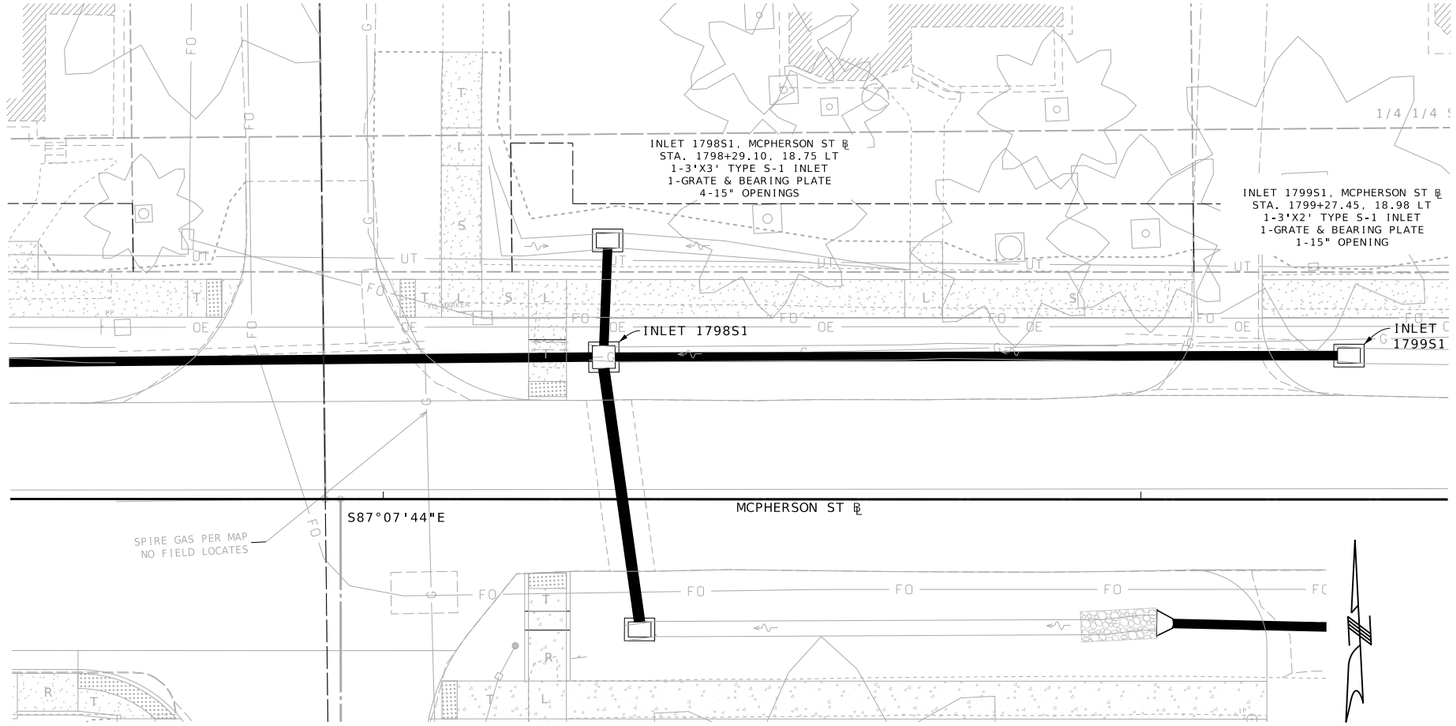
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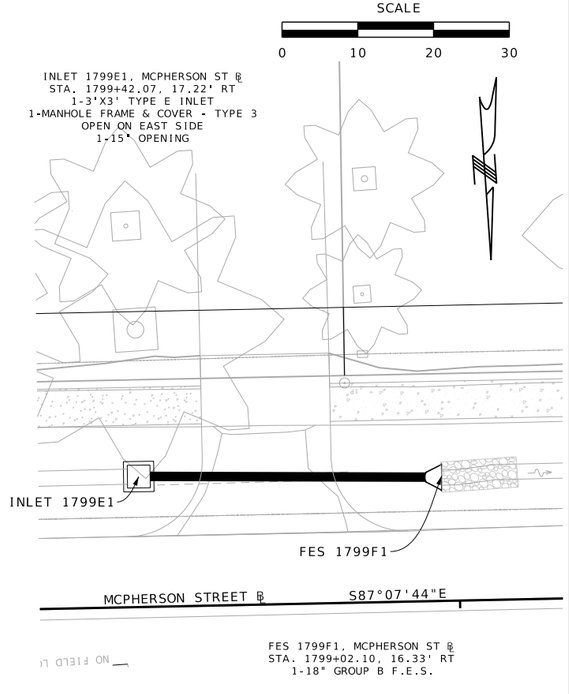
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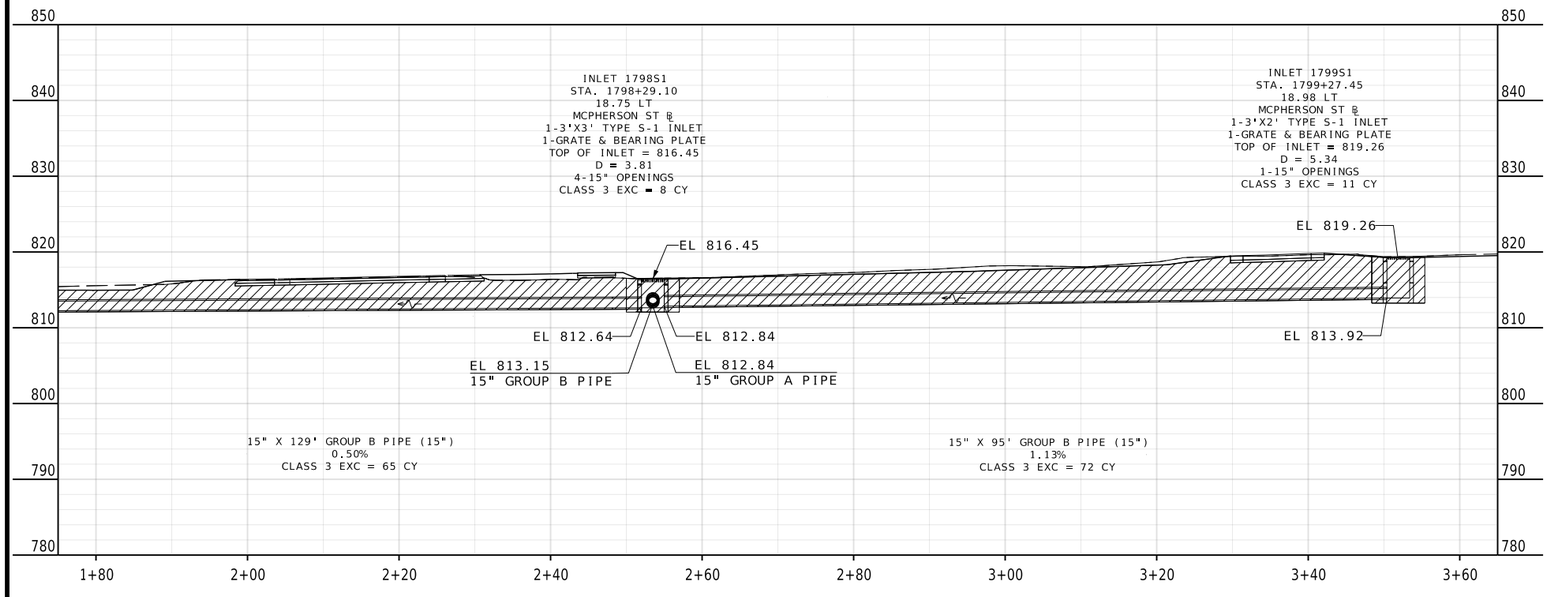
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

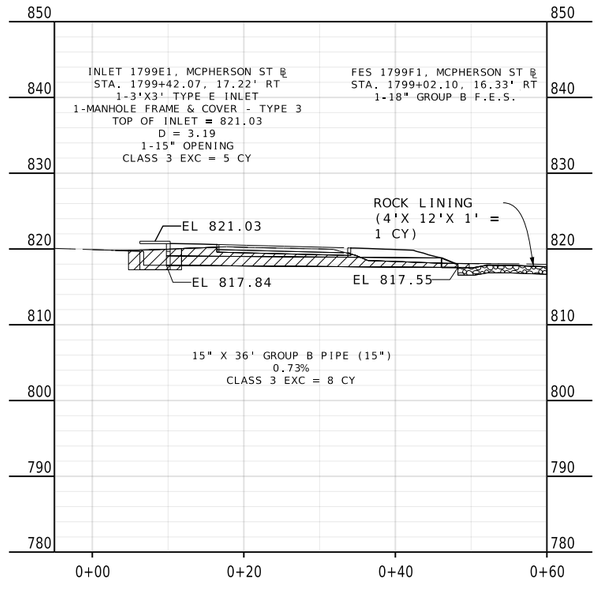
olsson
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NORTH KANSAS CITY, MO 64116
PH (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592

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CULVERT SECTIONS
SHEET 8 OF 10

REID BRENNEN CATT NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	100

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

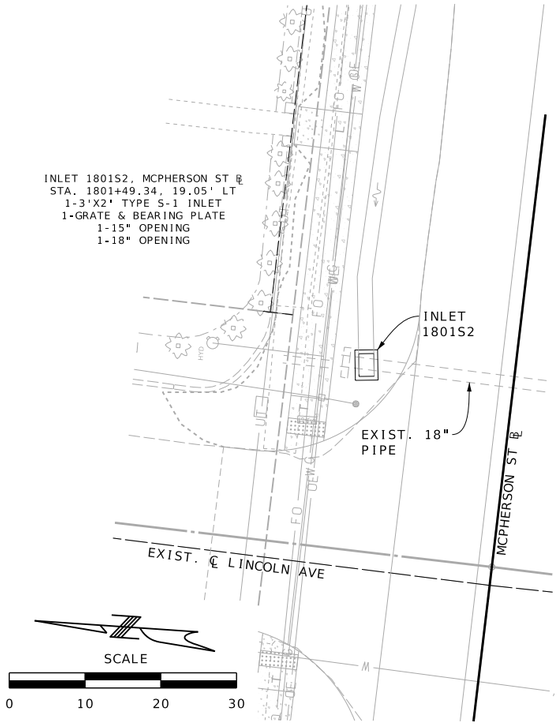
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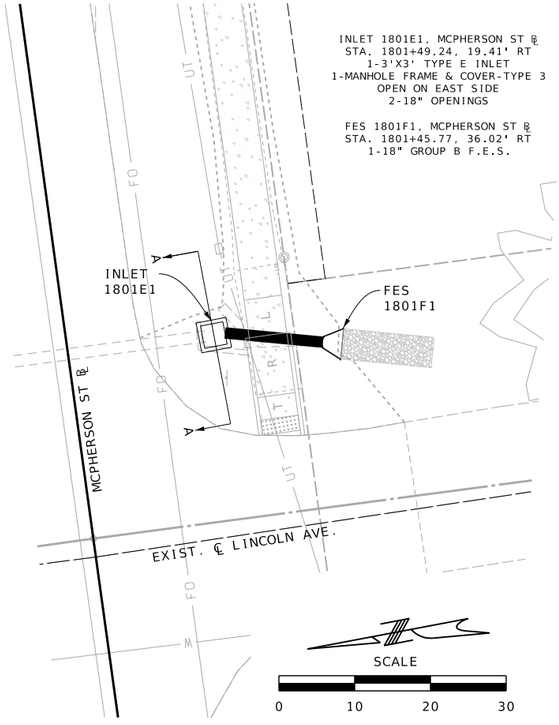
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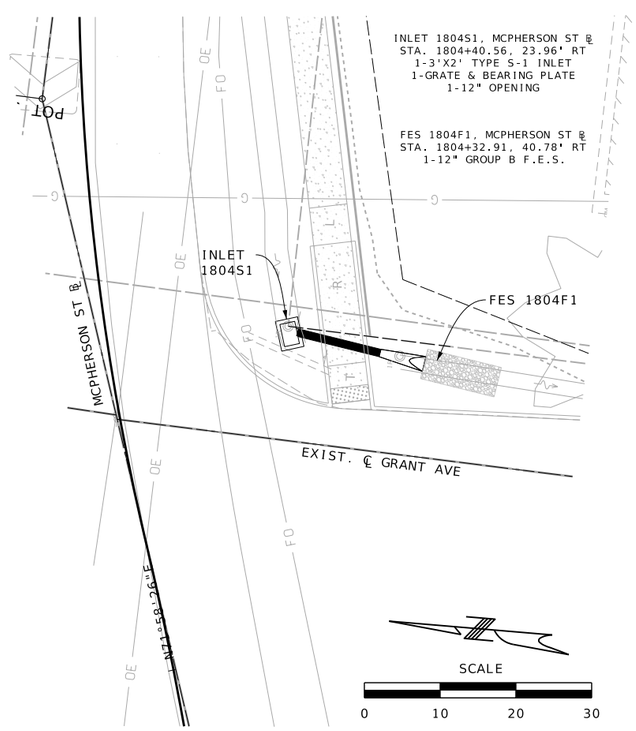
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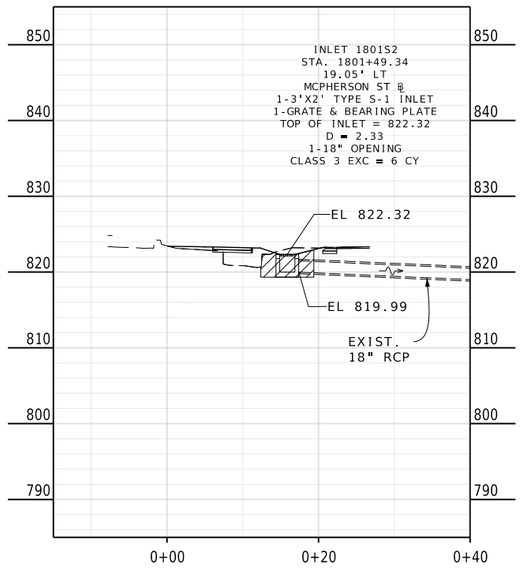
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

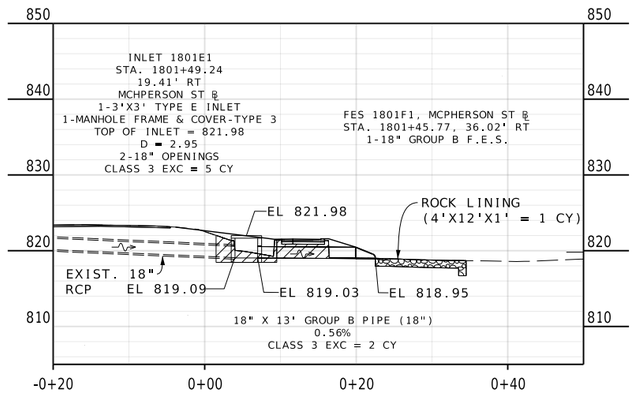
olsson
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592

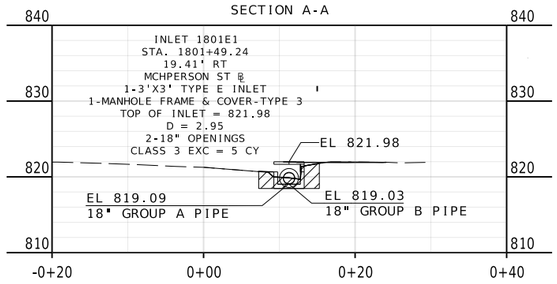


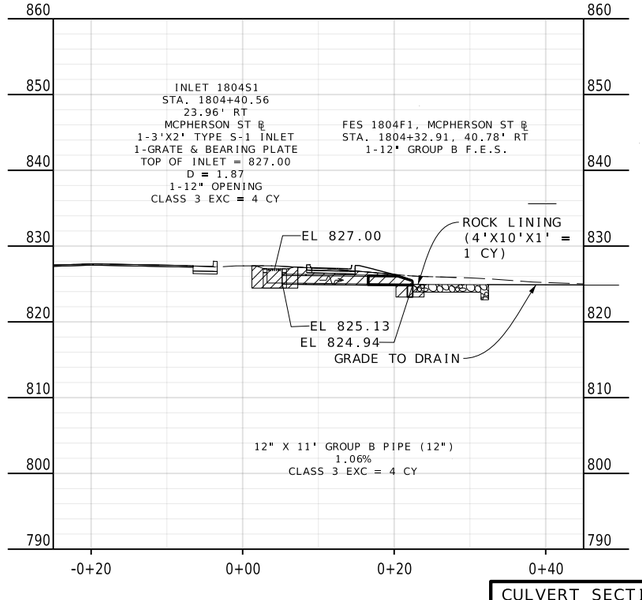












CULVERT SECTIONS
SHEET 9 OF 10

REID BRENNEN CATT NUMBER PE-2010019516
REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
8/18/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	101

COUNTY
JOHNSON

JOB NO.
J3P3202

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

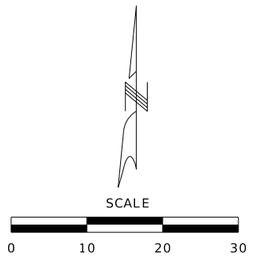
DATE	DESCRIPTION

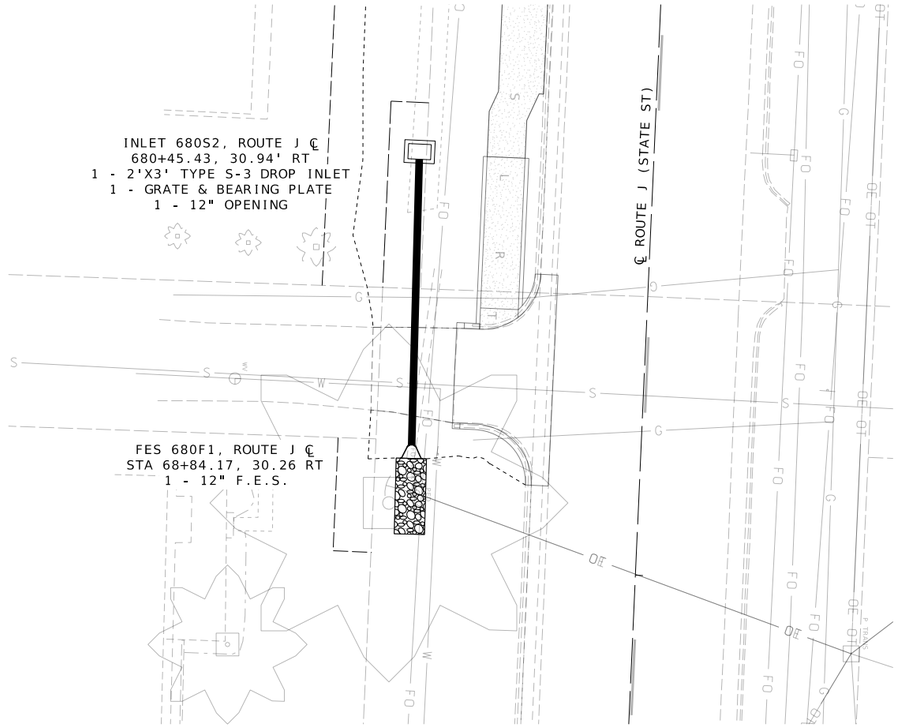
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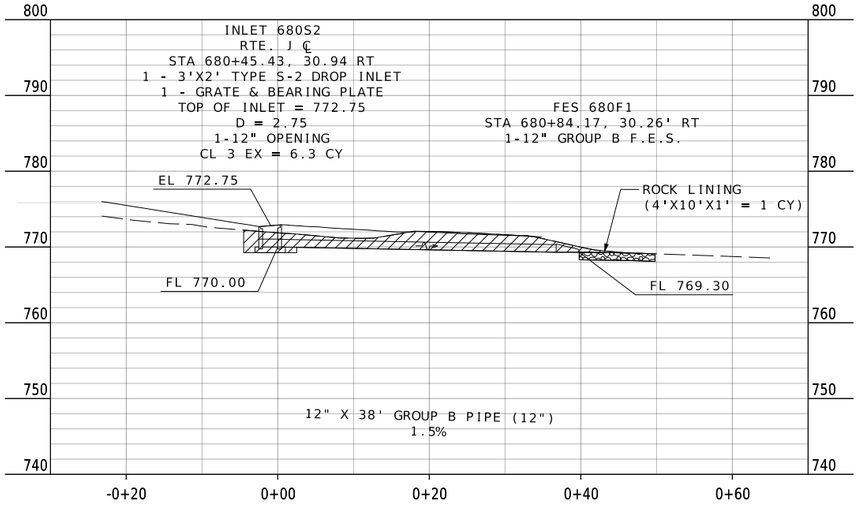
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

olsson
1301 BURLINGTON STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
PH (816) 361-1177
CERTIFICATE OF
AUTHORITY NO. 001592

F:\2023\05001-05500\023-05302\40-Design\Microstation\023-05302 J3P3202\plan_sheets\14 Culvert Sections\101_CS_09_J3P202_110.dgn 8:28:45 AM 8/18/2026







WILLIAM R. BUCK
NUMBER PE-025272
STATE OF MISSOURI
PROFESSIONAL ENGINEER
WILLIAM BUCK, P.E.
MISSOURI PE 025272

DATE PREPARED
8/24/2026

ROUTE	STATE
BU50/J	MO
DISTRICT	SHEET NO.
KC	102

COUNTY
JOHNSON

JOB NO.
J3P3202

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)

POWELL CWM
ARCHITECTURE/ENGINEERING/SURVEYING
2200 S. State Route 291, Bldg. I, Independence, MO 64057
816.373.4000 | powellcwm.com
Certificates of Authority
Architecture: MO 310 / KS 73
Engineering: MO 4 / KS 341
Land Surveying: MO 133 / KS 36

CULVERT SECTIONS
SHEET 10 OF 10