

DESIGN DESIGNATION
US 60
A.A.D.T. - 2018 = 14070
A.A.D.T. - 2043 = 17309
D.H.V. = 10%
T = 14.9%
V = 65 M.P.H
D = 59.8%
FUNCTIONAL CLASSIFICATION - FREEWAY/EXPRESSWAY

FULLY CONTROLLED ACCESS HIGHWAY
THIS SHALL BE A FULLY CONTROLLED ACCESS HIGHWAY. NO ABUTTING OWNERSHALL HAVE THE RIGHT OF DIRECT ACCESS TO SAID HIGHWAY OR ITS RIGHT-OF-WAY EXCEPT THAT ACCESS WILL BE PERMITTED TO ANY ADJACENT OUTER ROADWAY OR SERVICE ROAD TO WHICH ACCESS IS NOT SPECIFICALLY PROHIBITED BY THE SPECIAL SYMBOL DENOTING "NO RIGHT OF ACCESS" AS SHOWN ON THE PLANS. NO ACCESS WILL BE PERMITTED FROM OUTER ROADWAYS AND SERVICE ROADS TO THROUGHWAYS EXCEPT ALONG ROUTES CONSTRUCTED FOR THAT PURPOSE. OUTER ROADWAYS AND SERVICE ROADS, AS THE CASE MAY BE, ARE SO DESIGNATED ON THE PLANS.
BEGINNING AND ENDING OF CONTROLLED ACCESS
CONTROLLED ACCESS
NO RIGHT OF ACCESS OR CROSSING OF LINES BEARING THIS SYMBOL WILL BE PERMITTED UNDER ANY CIRCUMSTANCES.
TEMPORARY ACCESS THROUGH FUTURE NO RIGHT OF ACCESS

CONVENTIONAL SYMBOLS (USED IN PLANS)	EXISTING	NEW
BUILDINGS AND STRUCTURES		
GUARD RAIL		
GUARD CABLE		
CONCRETE RIGHT-OF-WAY MARKER		
STEEL RIGHT-OF-WAY MARKER		
LOCATION SURVEY MARKER		
UTILITIES		
FIBER OPTICS	-FO-	-FO-
OVERHEAD CABLE TV	-OTV-	-OTV-
UNDERGROUND CABLE TV	-UTV-	-UTV-
OVERHEAD TELEPHONE	-OT-	-OT-
UNDERGROUND TELEPHONE	-UT-	-UT-
OVERHEAD POWER	-OE-	-OE-
UNDERGROUND POWER	-UE-	-UE-
SANITARY SEWER	-S-	-S-
STORM SEWER	-SS-	-SS-
GAS	-G-	-G-
WATER	-W-	-W-
MANHOLE		
FIRE HYDRANT		
WATER VALVE		
WATER METER		
DROP INLET		
DITCH BLOCK		
GROUND MOUNTED SIGN		
LIGHT POLE		
H-FRAME POWER POLE		
TELEPHONE PEDESTAL		
FENCE		
CHAIN LINK		
WOVEN WIRE		
GATE POST		
BENCHMARK		
REMOVE	(R)	(R)
USE IN PLACE	(UIP)	(UIP)
ADJUST TO GRADE	(ATG)	(ATG)
DO NOT DISTURB	(DND)	(DND)
BY OTHERS	(BO)	(BO)
TO BE ABANDONED	(TBA)	(TBA)
SLOPE LIMITS	SL	SL
NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES		

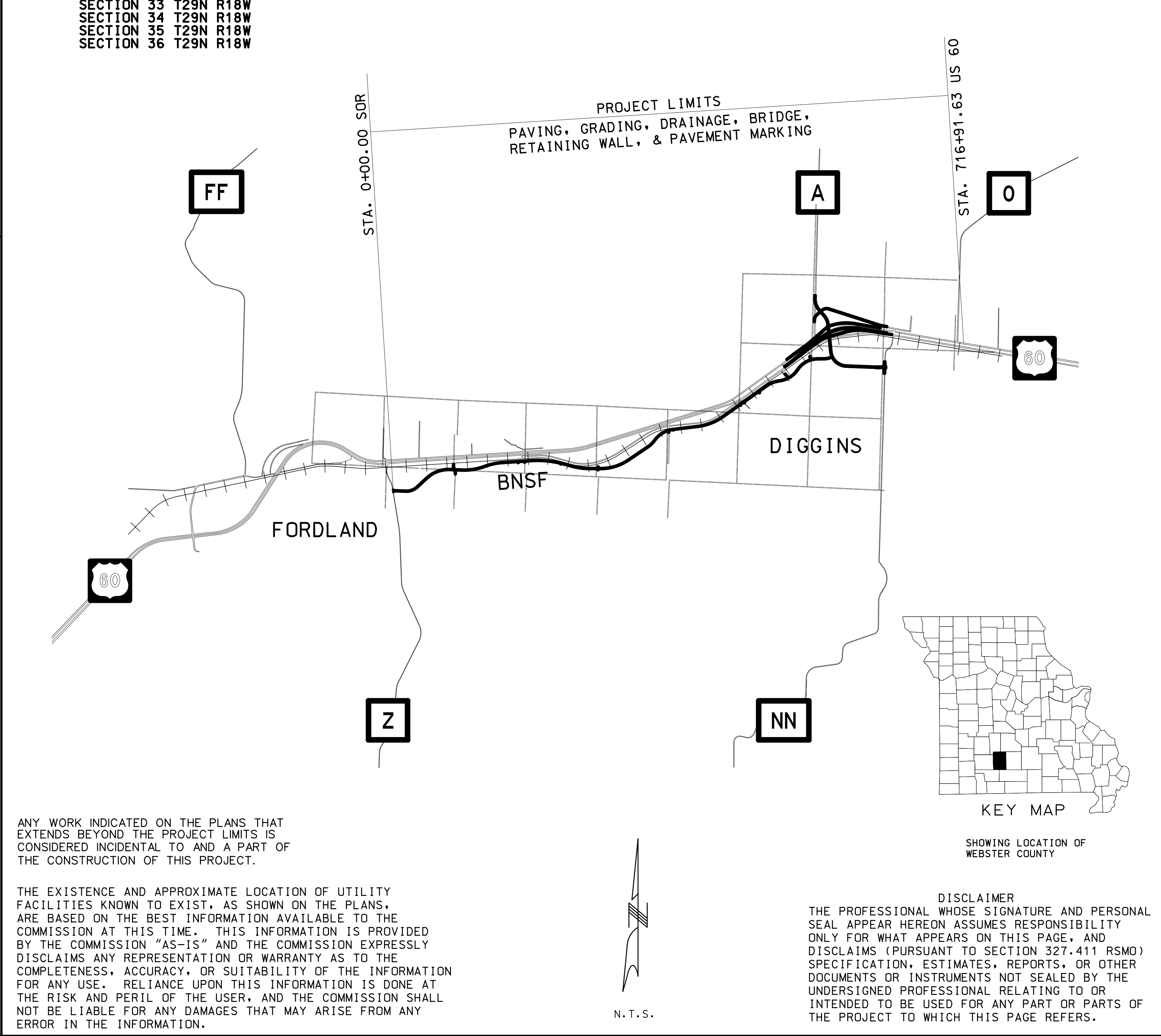
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED

STATE HIGHWAY

PRELIMINARY PLANS

WEBSTER COUNTY



INDEX OF SHEETS	SHEET NUMBER
DESCRIPTION	
TITLE SHEET -----	1
TYPICAL SECTIONS (TS) (15 SHEETS)-----	2
PLAN SHEETS (PS) -----	4-26
PROFILE SHEETS (PR) -----	27-36
REFERENCE POINTS (RP) -----	37
COORDINATE POINTS (CP) -----	38-41
SPECIAL SHEETS (SS) -----	42-43
TRAFFIC CONTROL (TC) -----	44-69
LIGHTING (LT) -----	70-73
SIGNING (SN) -----	74-78
CULVERT SECITONS (CS) -----	89-90
CROSS SECTIONS (XS) -----	1-294

DATE PREPARED 9/27/2022	
ROUTE 60	STATE MO
DISTRICT SW	SHEET NO. 1
COUNTY WEBSTER	
JOB NO. J7P3425C	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

LENGTH OF PROJECT	DATE
US 60	
BEGINNING OF PROJECT	STA. 513+06.44
END OF PROJECT	STA. 716+91.62
APPARENT LENGTH	20,385.18 FEET
EQUATIONS AND EXCEPTIONS:	5.90 FEET
TOTAL PROJECT CORRECTIONS	5.90 FEET
NET LENGTH OF PROJECT	20,379.28 FEET
STATE LENGTH	3.860 MILES
ROUTE A	
BEGINNING OF PROJECT	STA. 52+30.01
END OF PROJECT	STA. 68+78.13
APPARENT LENGTH	1,648.12 FEET
EQUATIONS AND EXCEPTIONS:	0.00 FEET
TOTAL PROJECT CORRECTIONS	0.00 FEET
NET LENGTH OF PROJECT	1,648.12 FEET
STATE LENGTH	0.312 MILES
NORTH OUTER ROAD	
BEGINNING OF PROJECT	STA. 10+11.24
END OF PROJECT	STA. 41+11.02
APPARENT LENGTH	3,099.78 FEET
EQUATIONS AND EXCEPTIONS:	0.00 FEET
TOTAL PROJECT CORRECTIONS	0.00 FEET
NET LENGTH OF PROJECT	3,099.78 FEET
STATE LENGTH	0.587 MILES
ROUTE NN	
BEGINNING OF PROJECT	STA. 68+78.13
END OF PROJECT	STA. 94+69.43
APPARENT LENGTH	2,591.30 FEET
EQUATIONS AND EXCEPTIONS:	0.00 FEET
TOTAL PROJECT CORRECTIONS	0.00 FEET
NET LENGTH OF PROJECT	2,591.30 FEET
STATE LENGTH	0.491 MILES
SOUTH OUTER ROAD	
BEGINNING OF PROJECT	STA. 00+00.00
END OF PROJECT	STA. 182+23.83
APPARENT LENGTH	18,223.83 FEET
EQUATIONS AND EXCEPTIONS:	0.00 FEET
TOTAL PROJECT CORRECTIONS	0.00 FEET
NET LENGTH OF PROJECT	18,223.83 FEET
STATE LENGTH	3.451 MILES
EXISTING ROUTE NN	
BEGINNING OF PROJECT	STA. 10+47.96
END OF PROJECT	STA. 17+53.70
APPARENT LENGTH	18,223.83 FEET
EQUATIONS AND EXCEPTIONS:	0.00 FEET
TOTAL PROJECT CORRECTIONS	0.00 FEET
NET LENGTH OF PROJECT	705.74 FEET
STATE LENGTH	0.134 MILES

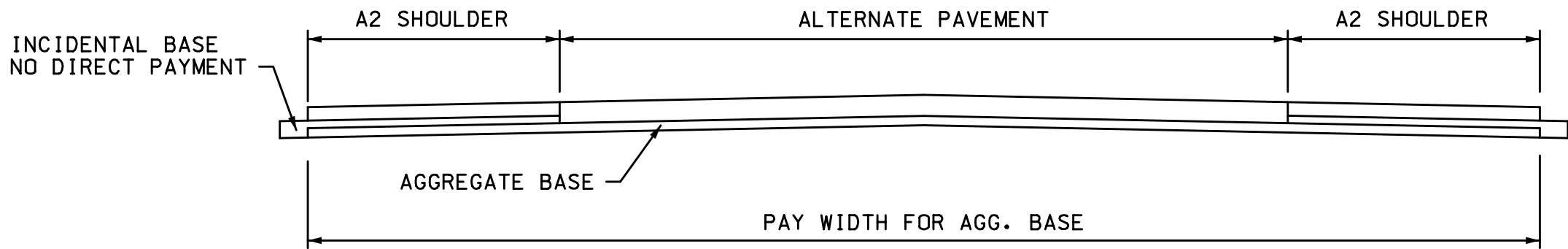
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)
CMT	CRAWFORD, MURPHY & TILLY, INC. 6831 WEST ELMDALE STREET SPRINGFIELD, MO 65807 (417) 869-6009 ENGINEERING CORPORATION - 000631

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

CATEGORY	BASE TYPE	HMA DESIGN	PCCP DESIGN
US 60 MAINLINE	6" TYPE 5 AGGREGATE BASE	13.5" HMA 1-3/4" SP125B W/ PG 76-22 OVER 3" SP250B W/ PG 76-22 OVER 8-3/4" SP250C W/ PG 64-22	10.0" PCCP W/ 1-1/4" DOWELS 15 FT JOINT SPACING
ROUTE A RAMPS 1-4	6" TYPE 5 AGGREGATE BASE	11.5" HMA 1-3/4" SP125C W/ PG 70-22 OVER 3" SP250C W/ PG 70-22 OVER 6-3/4" SP250C W/ PG 64-22	8.5" PCCP W/ 1-1/4" DOWELS 15 FT JOINT SPACING
NORTH AND SOUTH OUTER ROADS	4" TYPE 1 OR 5 AGGREGATE BASE	8.5" HMA 1-3/4" BP-1 W/ PG 64-22 OVER 6-3/4" BB W/ PG 64-22	7.5" PCCP W/ 1-1/4" DOWELS 15 FT JOINT SPACING

THE EXISTING PAVEMENT STRUCTURE, INCLUDING AGGREGATE BASE, IS APPROXIMATELY 15-16 INCHES DEEP PER RECORD PLANS. IF THE EXISTING BOTTOM OF AGGREGATE DEPTH IS DEEPER THAN THE PROPOSED AGGREGATE DEPTH, THE CONTRACTOR WILL MATCH THE EXISTING BOTTOM OF AGGREGATE DEPTH AT NO ADDITIONAL COST.

ASPHALT APPLICATION RATES:
ASPHALTIC CONCRETE MIXTURE PG 76-22 (SP125B MIX)= 1.985 @ 5.0%
ASPHALTIC CONCRETE MIXTURE PG 76-22 (SP250B MIX)= 2.010 @ 4.1%
ASPHALTIC CONCRETE MIXTURE PG 70-22 (SP125C MIX)= 1.970 @ 5.2%
ASPHALTIC CONCRETE MIXTURE PG 70-22 (SP250C MIX)= 2.000 @ 4.3%
ASPHALTIC CONCRETE MIXTURE PG 64-22 (SP250C MIX)= 2.000 @ 4.7%
ASPHALTIC CONCRETE MIXTURE PG 64-22 (BP-1 MIX)= 1.990 @ 5.1%



TYPICAL PAY WIDTHS

THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT.

DATE PREPARED
9/27/2022

ROUTE
60

DISTRICT
SW

STATE
MO

SHEET NO.
2

COUNTY
WEBSTER

JOB NO.
J7P3425C

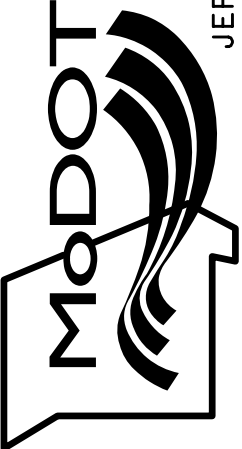
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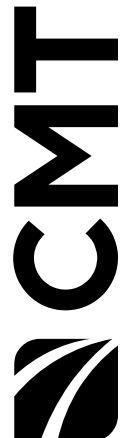
BRIDGE NO.

DESCRIPTION	DATE

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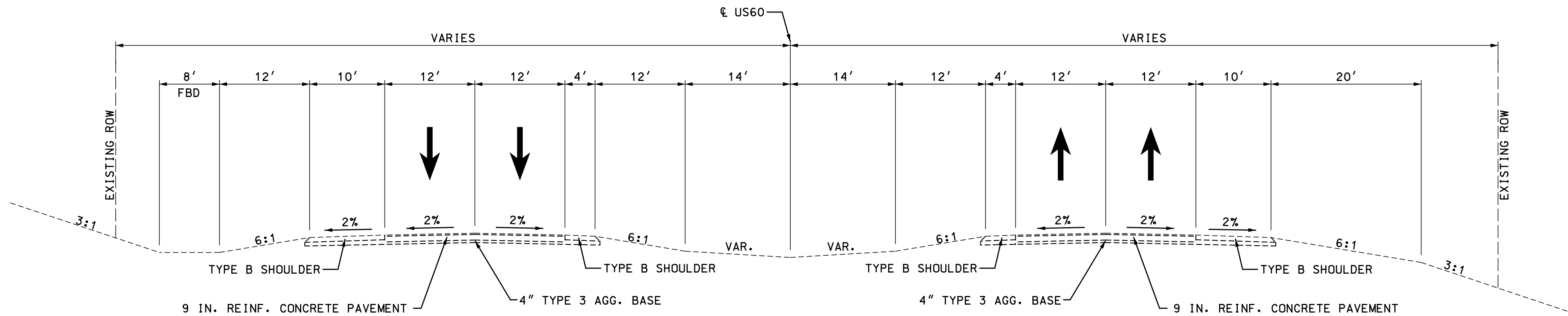


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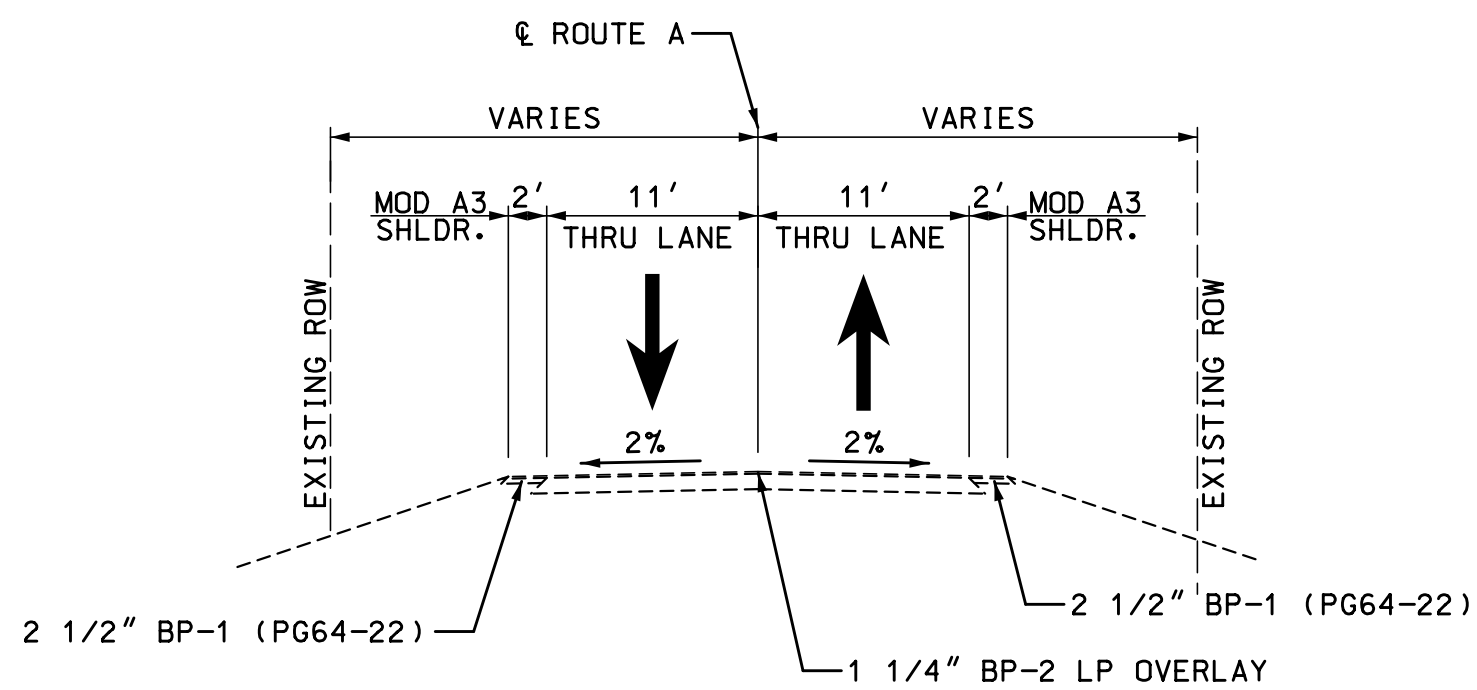


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1 EXISTING US60



2 EXISTING ROUTE A

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DATE PREPARED
9/27/2022

ROUTE 60	STATE MO
DISTRICT SW	SHEET NO. 2

COUNTY
WEBSTER

JOB NO.
J7P3425C

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

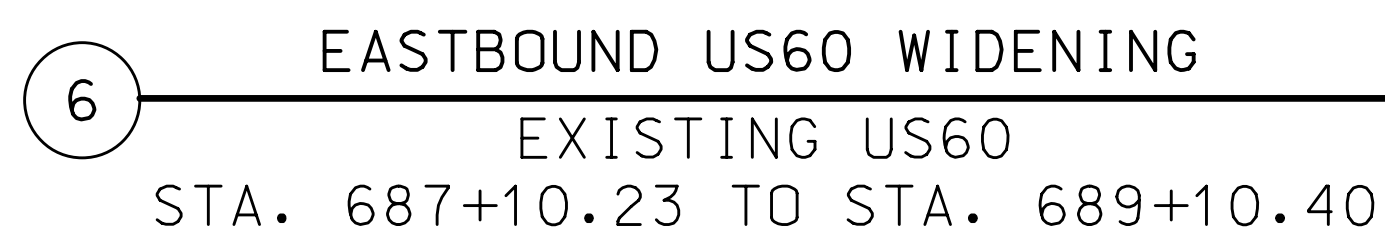
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2%	-2%
STA. 13+20.02	
-2%	-2%
STA. 14+40.01	
-6%	-6%
STA. 15+60.08	
-6%	-6%
STA. 16+38.25	
-2%	-2%
STA. 17+58.32	
2%	-2%
STA. 18+78.32	

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COMMISSION**

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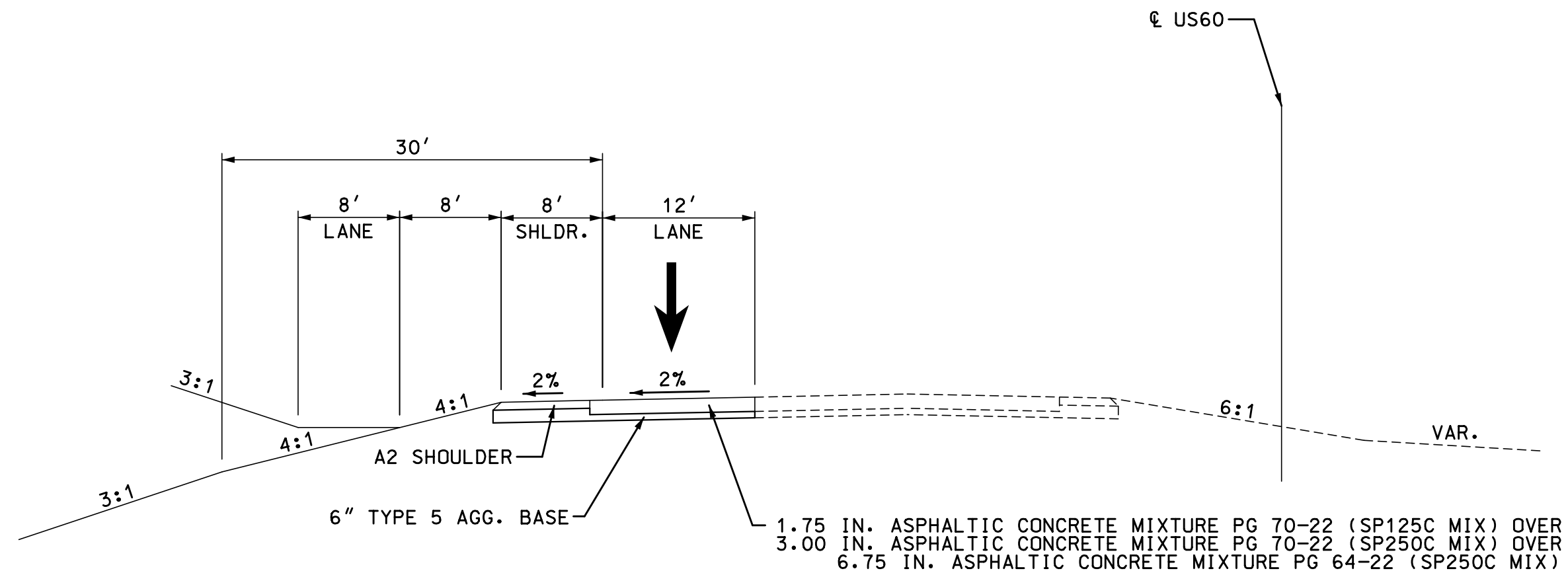
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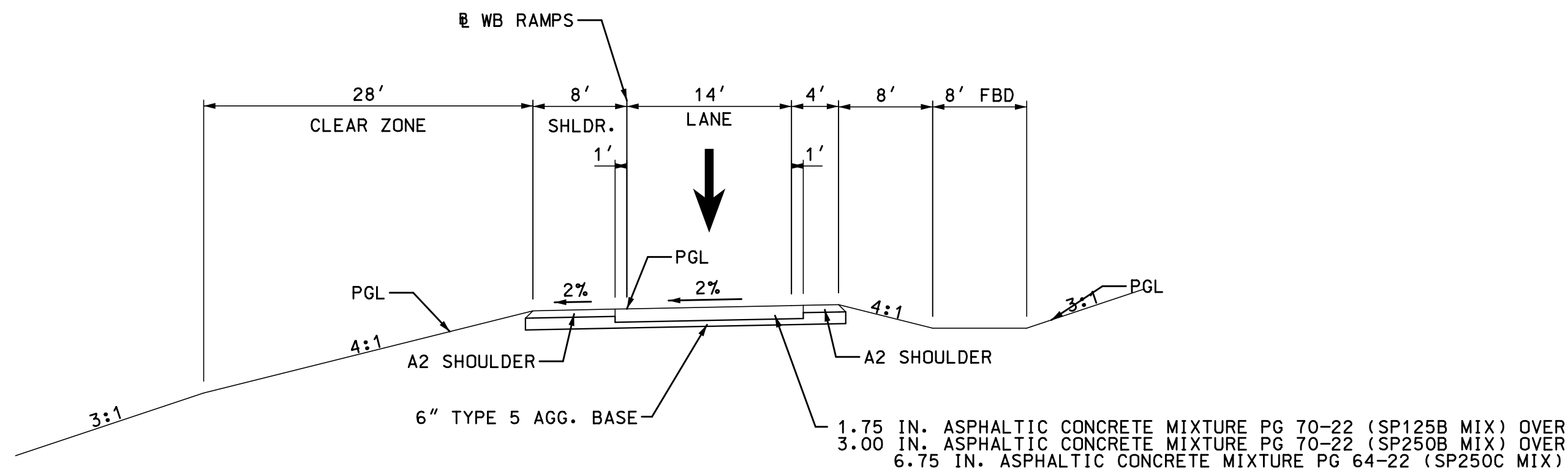
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SUPERELEVATION TABLE RAMP 3
CURVE R3WBOFF_3

2%	2%
STA. 0+32.09	
-2%	-2%
STA. 1+44.09	
-6.6%	-6.6%
STA. 2+72.98	
-6.6%	-6.6%
STA. 10+97.50	
-2%	-2%
STA. 12+26.39	
2%	2%
STA. 13+38.39	



7 WESTBOUND US60 WIDENING
EXISTING US60
STA. 646+11.92 TO STA. 654+91.92
STA. 673+47.76 TO STA. 677+53.71
STA. 680+48.63 TO STA. 686+37+94



8 WESTBOUND RAMPS
ON RAMP 1
STA. 2+39.86 TO STA. 10+75.35
OFF RAMP 3
STA. 0+00.00 TO STA. 13+46.20

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DATE PREPARED
9/27/2022

ROUTE	STATE
60	MO
DISTRICT	SHEET NO.
SW	2

COUNTY
WEBSTER

JOB NO.
J7P3425C

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

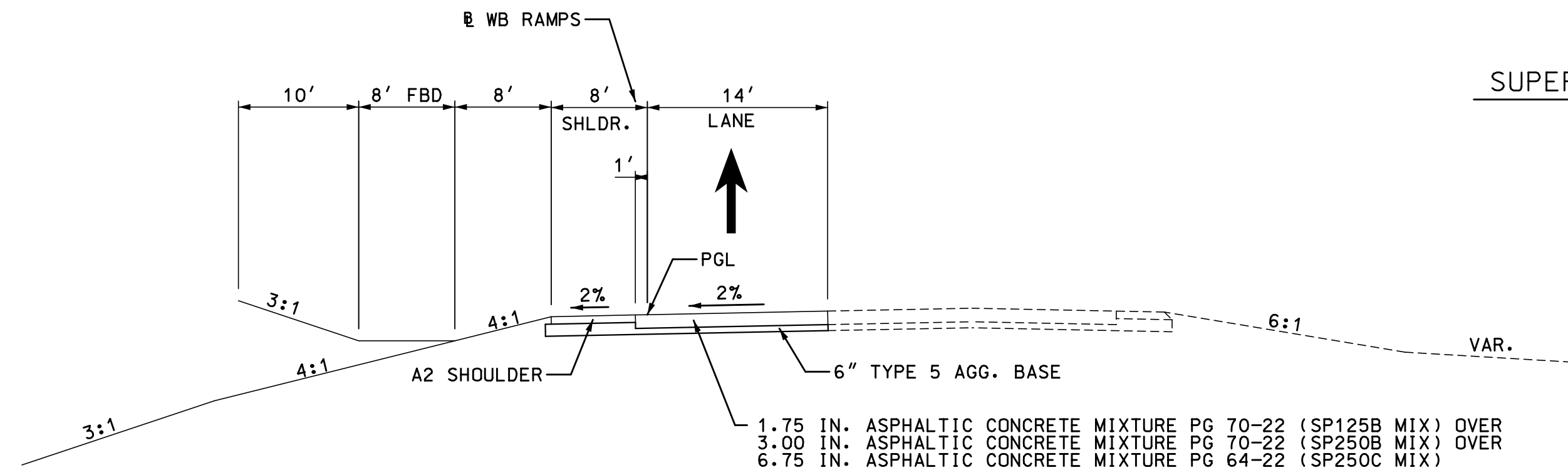
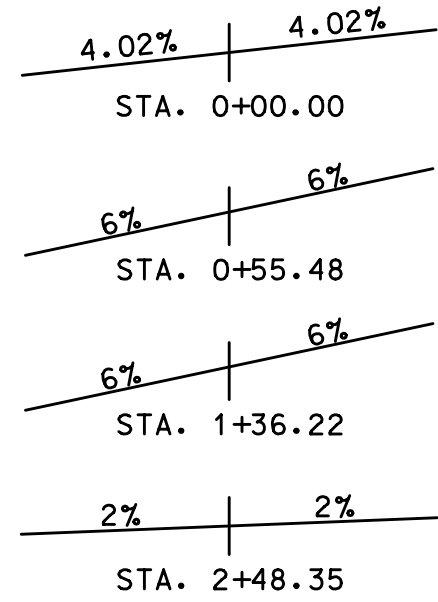
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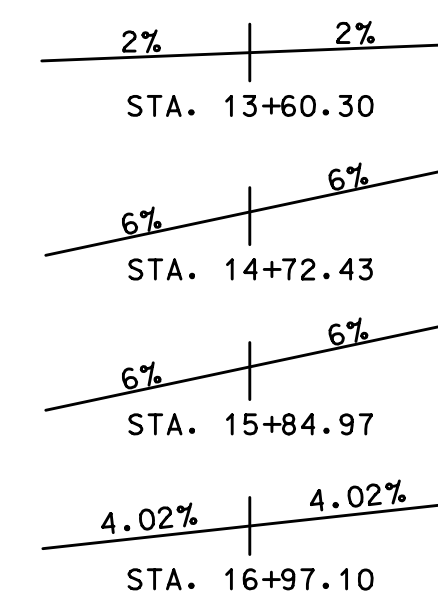
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US 60
TYPICAL SECTIONS
5 OF 15

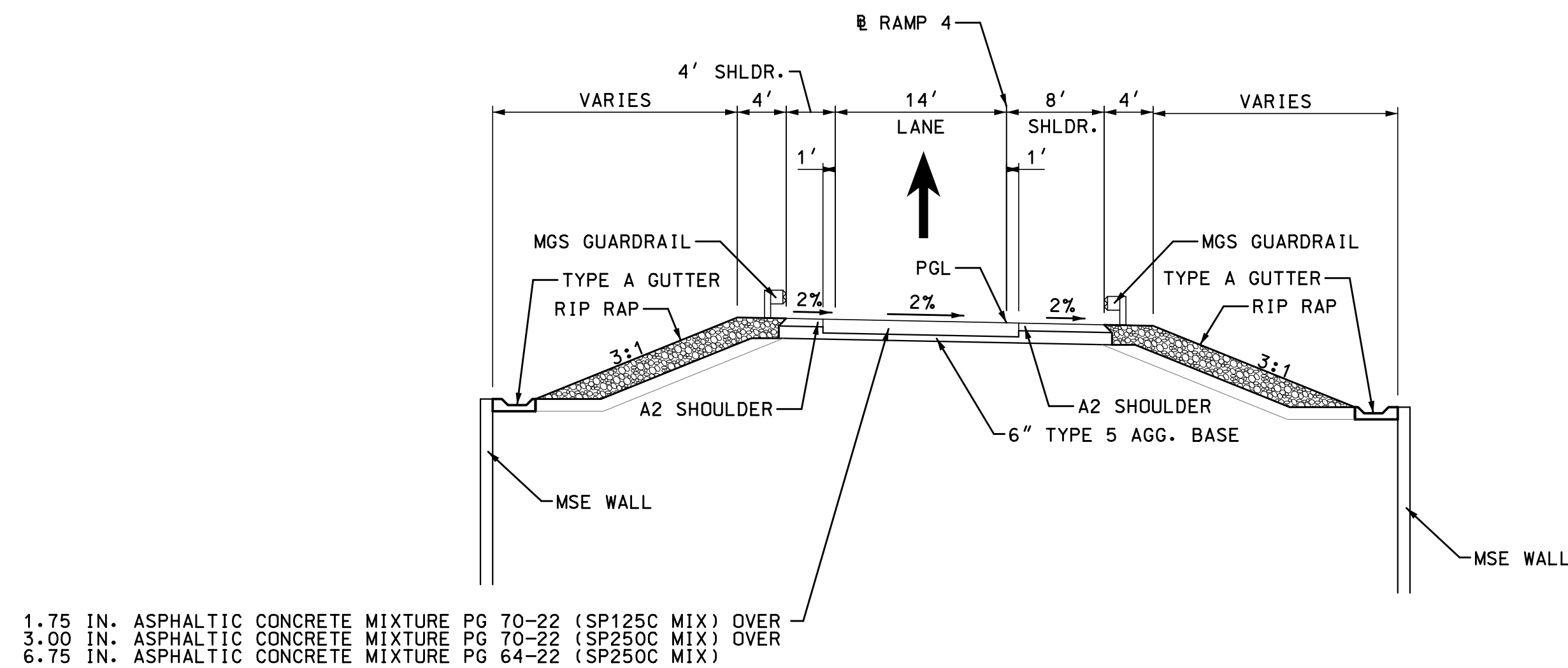
SUPERELEVATION TABLE RAMP 1
CURVE R1WBON_1



SUPERELEVATION TABLE RAMP 3
CURVE R3WBOFF_6



9 WESTBOUND RAMP
ON RAMP 1
STA. 0+00.00 TO STA. 2+39.86
OFF RAMP 3
STA. 13+46.20 TO STA. 16+40.45



10 EASTBOUND ON RAMP 4
STA. 0+00.00 TO STA. 1+69.20

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DATE PREPARED
9/27/2022

ROUTE 60 STATE MO
DISTRICT SW SHEET NO. 2

COUNTY
WEBSTER

JOB NO.
J7P3425C

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

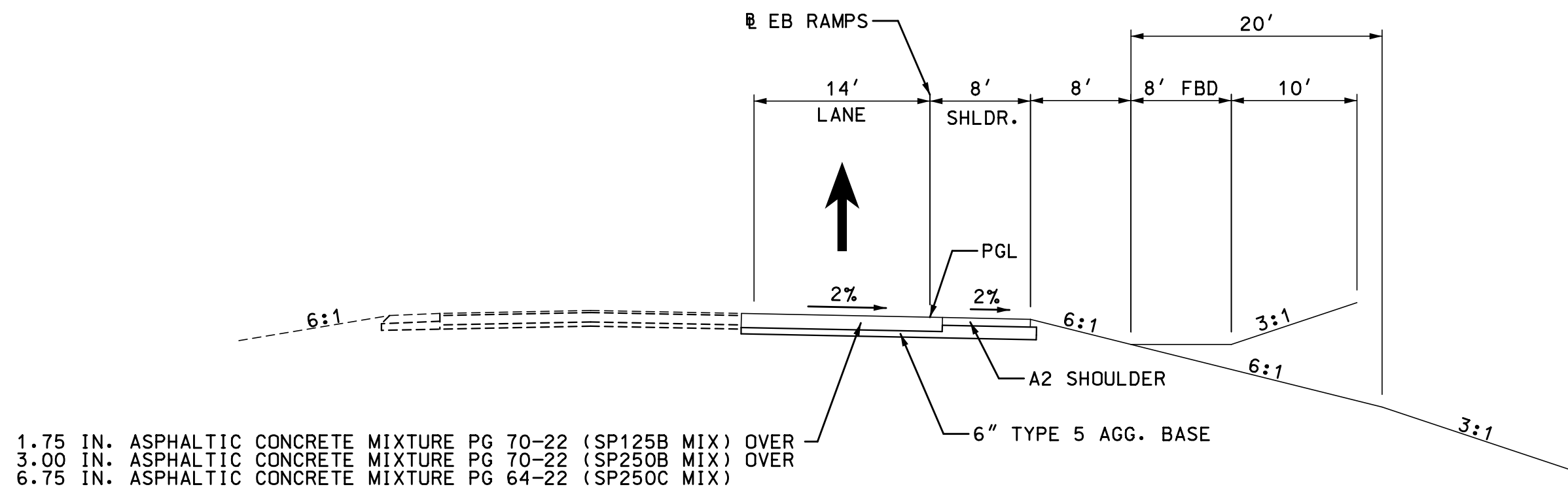
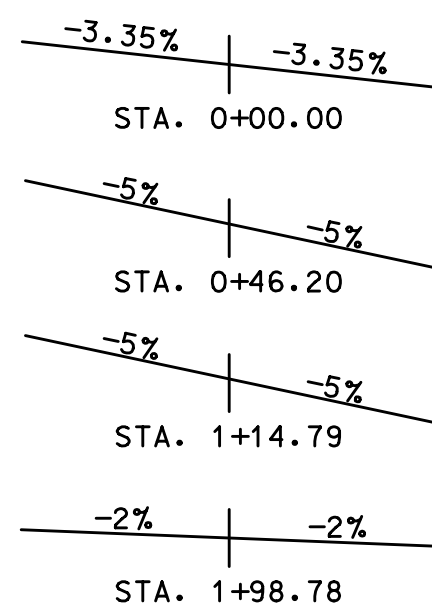
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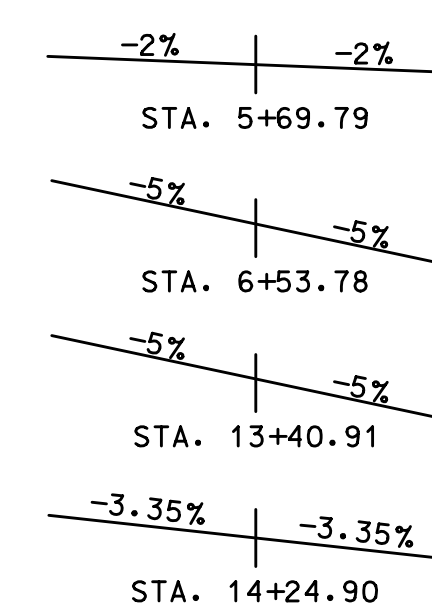
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RAMPS
TYPICAL SECTIONS
6 OF 15

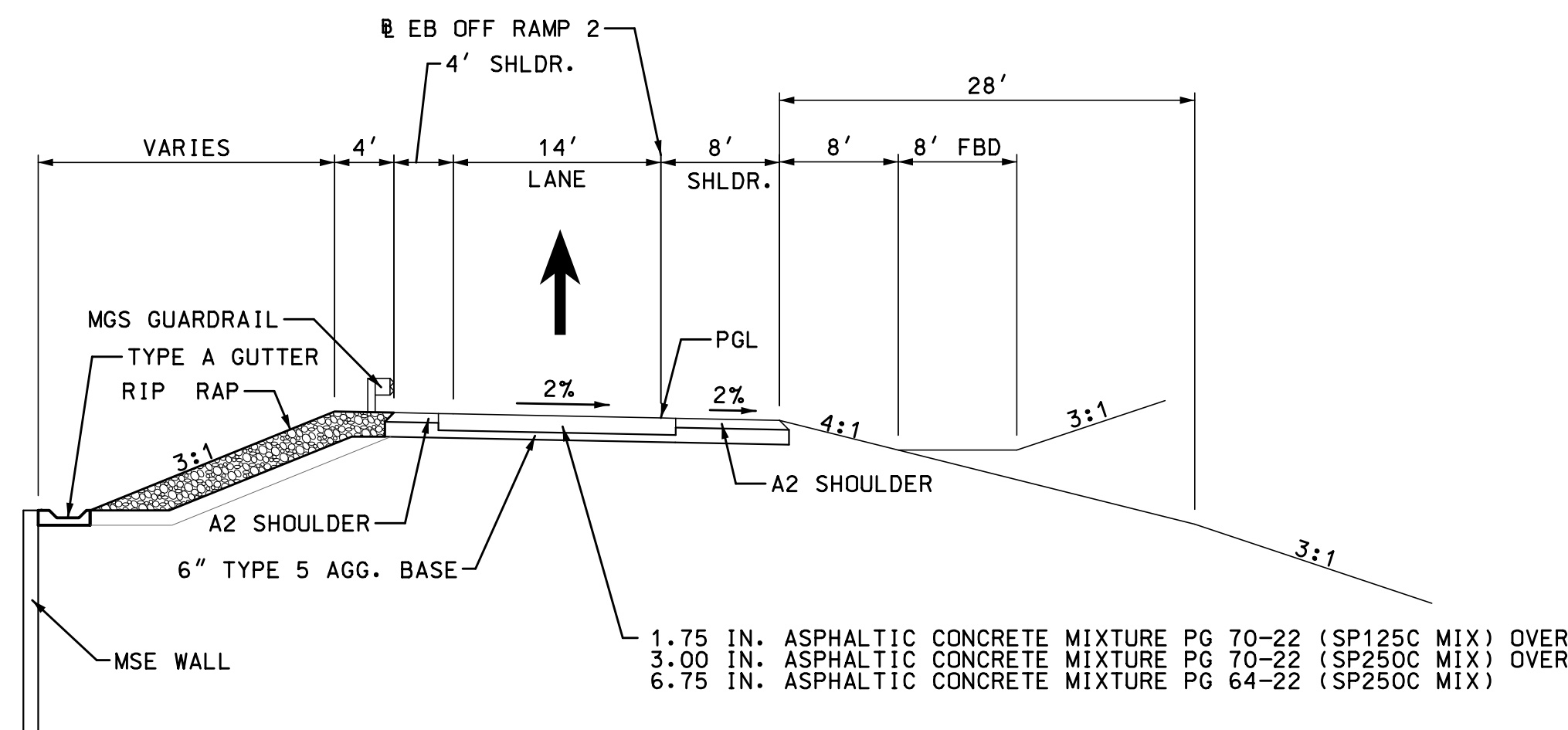
SUPERELEVATION TABLE RAMP 2
CURVE R2EBOFF_1



SUPERELEVATION TABLE RAMP 4
CURVE R4EBON_3



13 EASTBOUND RAMP
ON RAMP 4
STA. 11+32.56 TO STA. 13+87.11
OFF RAMP 2
STA. 0+00.00 TO STA. 3+33.48



14 EASTBOUND OFF RAMP 2
STA. 6+97.11 TO STA. 7+26.33

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ROUTE 60 STATE MO
DISTRICT SW SHEET NO. 2

COUNTY
WEBSTER

JOB NO.
J7P3425C

CONTRACT ID.

PROJECT NO.

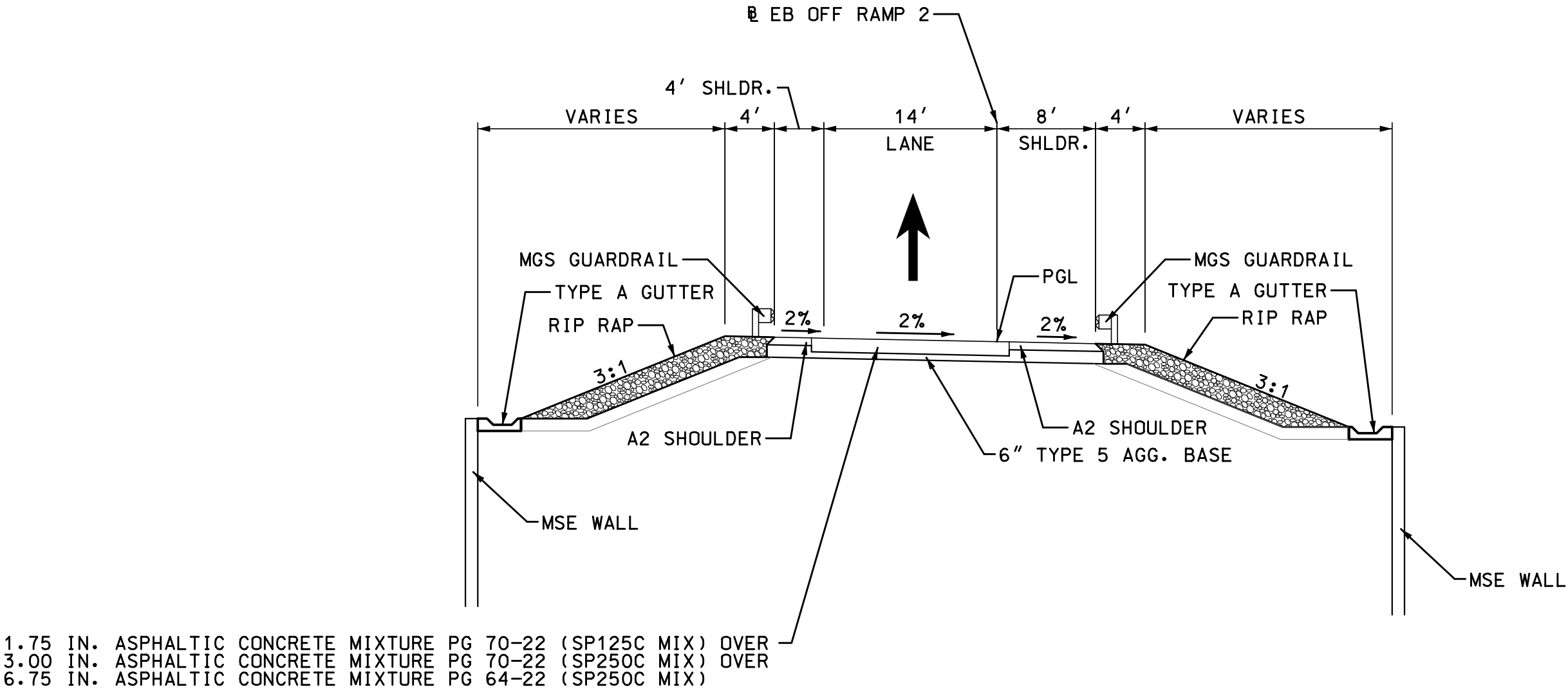
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DESCRIPTION	DATE

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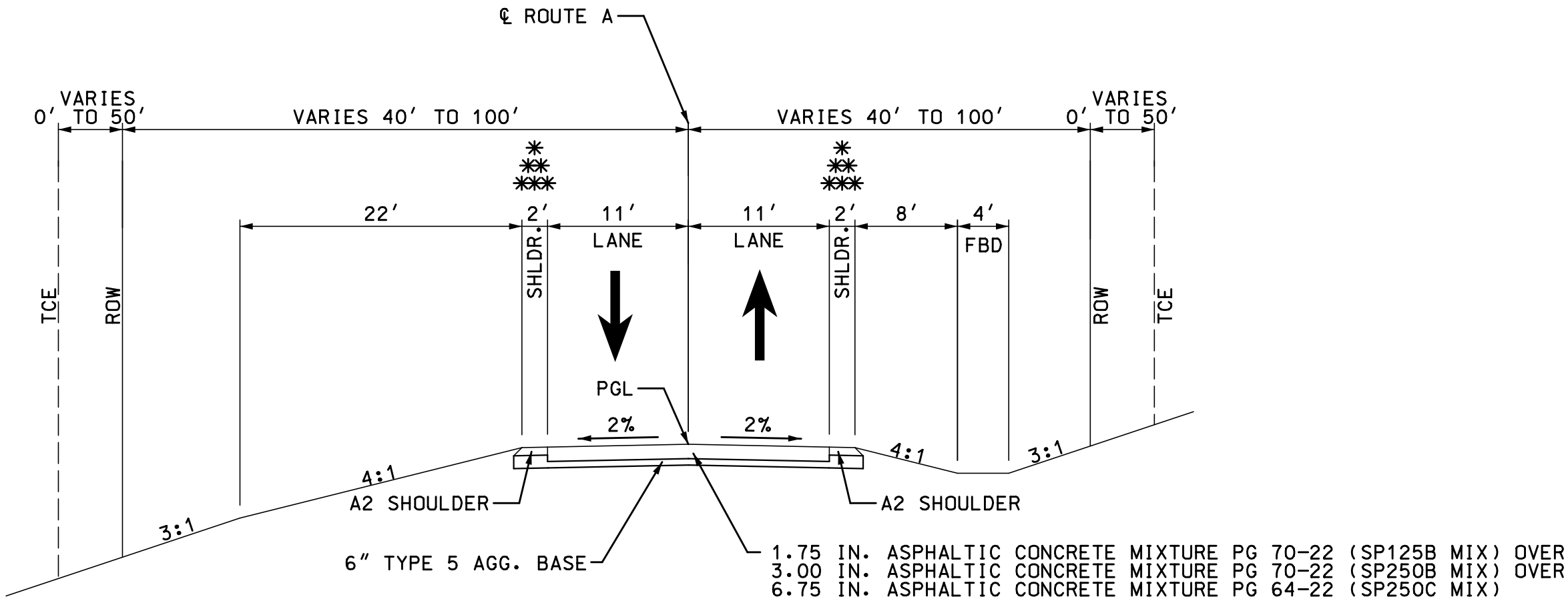
RAMPS
TYPICAL SECTIONS
8 OF 15



15 EASTBOUND OFF RAMP 2
STA. 7+26.33 TO STA. 10+68.27

SUPERELEVATION TABLE ROUTE A
CURVE RTEA01_3

2%	-2%
STA. 52+30.01	
2%	2%
53+11.49	
8%	8%
STA. 54+33.64	
8%	8%
STA. 56+31.72	
2%	2%
STA. 57+53.87	
2%	-2%
STA. 58+35.35	



16 ROUTE A
STA. 52+30.01 TO STA. 66+35.96
STA. 67+97.21 TO STA. 68+78.13

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ROUTE 60	STATE MO
DISTRICT SW	SHEET NO. 2

COUNTY
WEBSTER

JOB NO.
J7P3425C

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

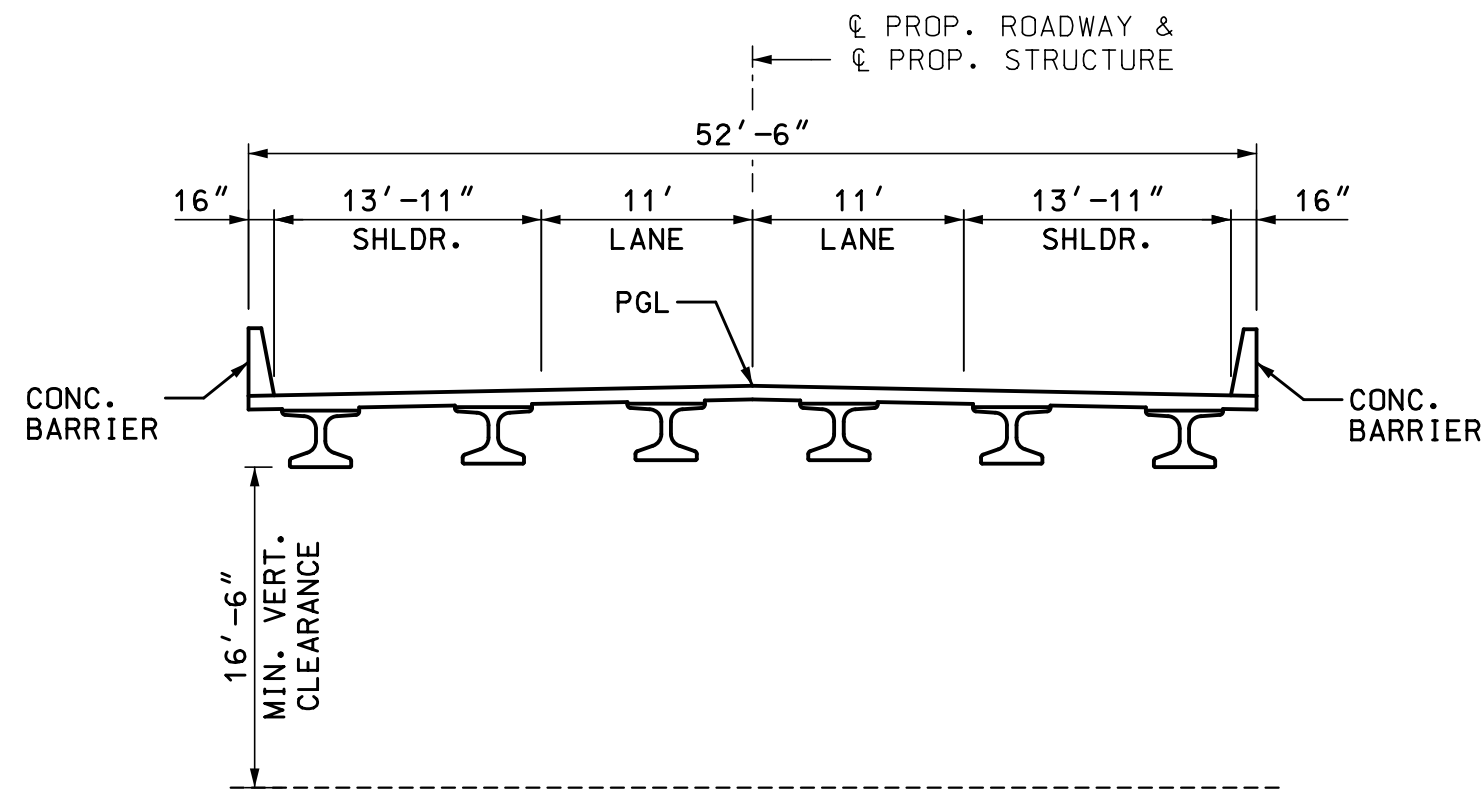
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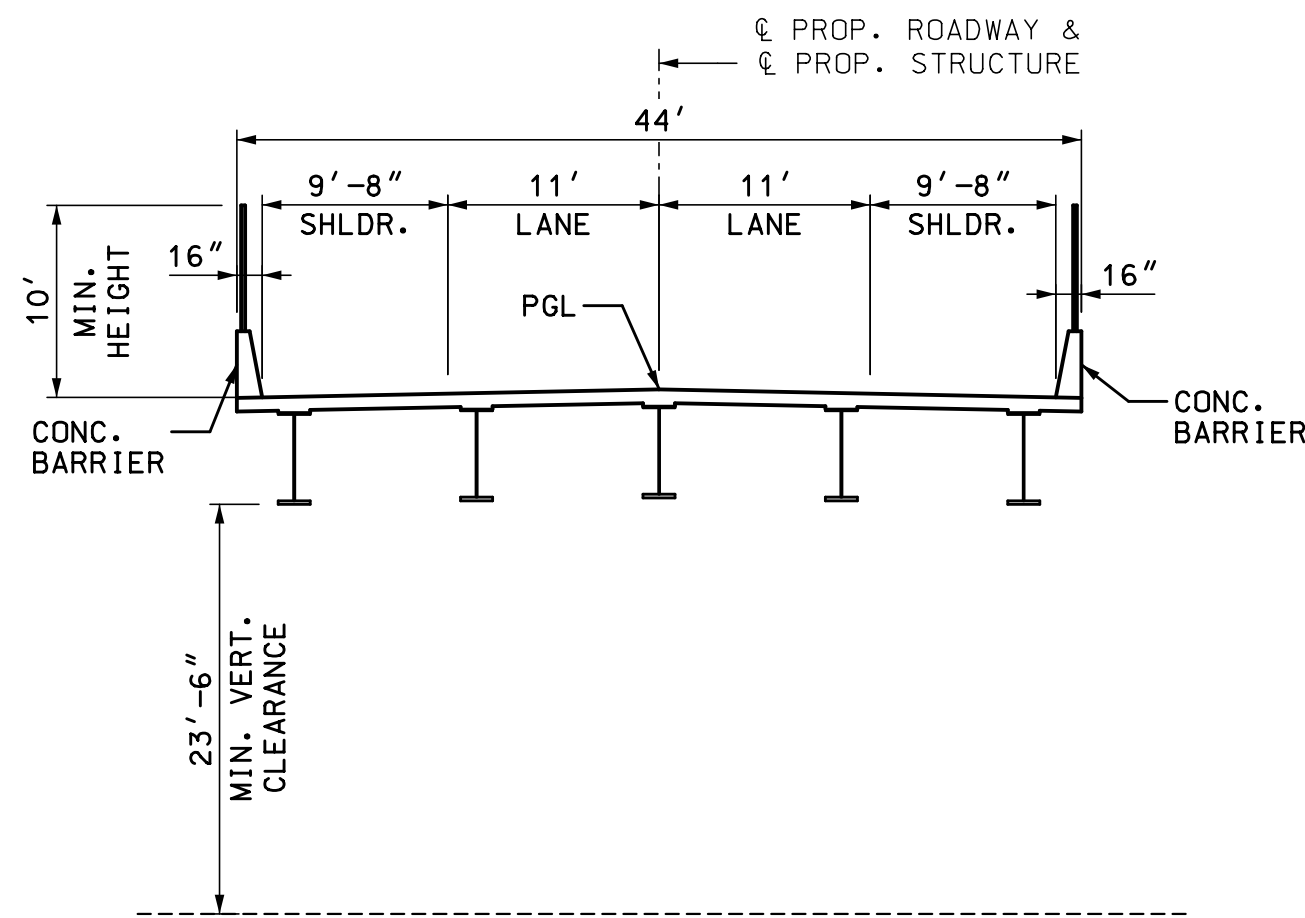
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17 ROUTE A BRIDGE OVER US60
STA. 66+35.96 TO STA. 67+97.21



18 ROUTE NN BRIDGE OVER BNSF RR
STA. 69+55.50 TO STA. 70+98.64

ROUTE A/ROUTE NN
TYPICAL SECTIONS
10 OF 15

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9/27/2022

ROUTE 60	STATE MO
DISTRICT SW	SHEET NO. 2

COUNTY
WEBSTER

JOB NO.
J7P3425C

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

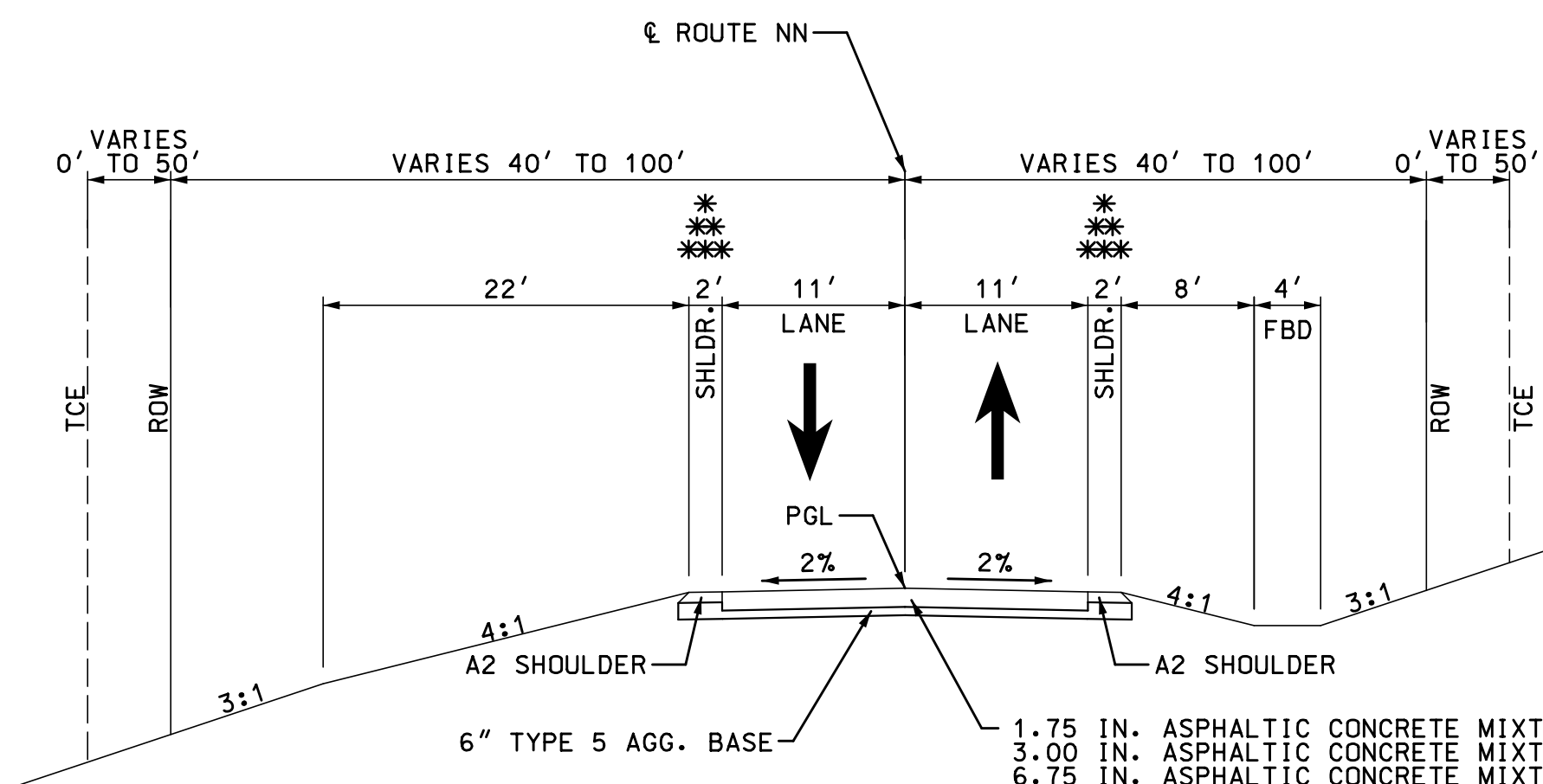
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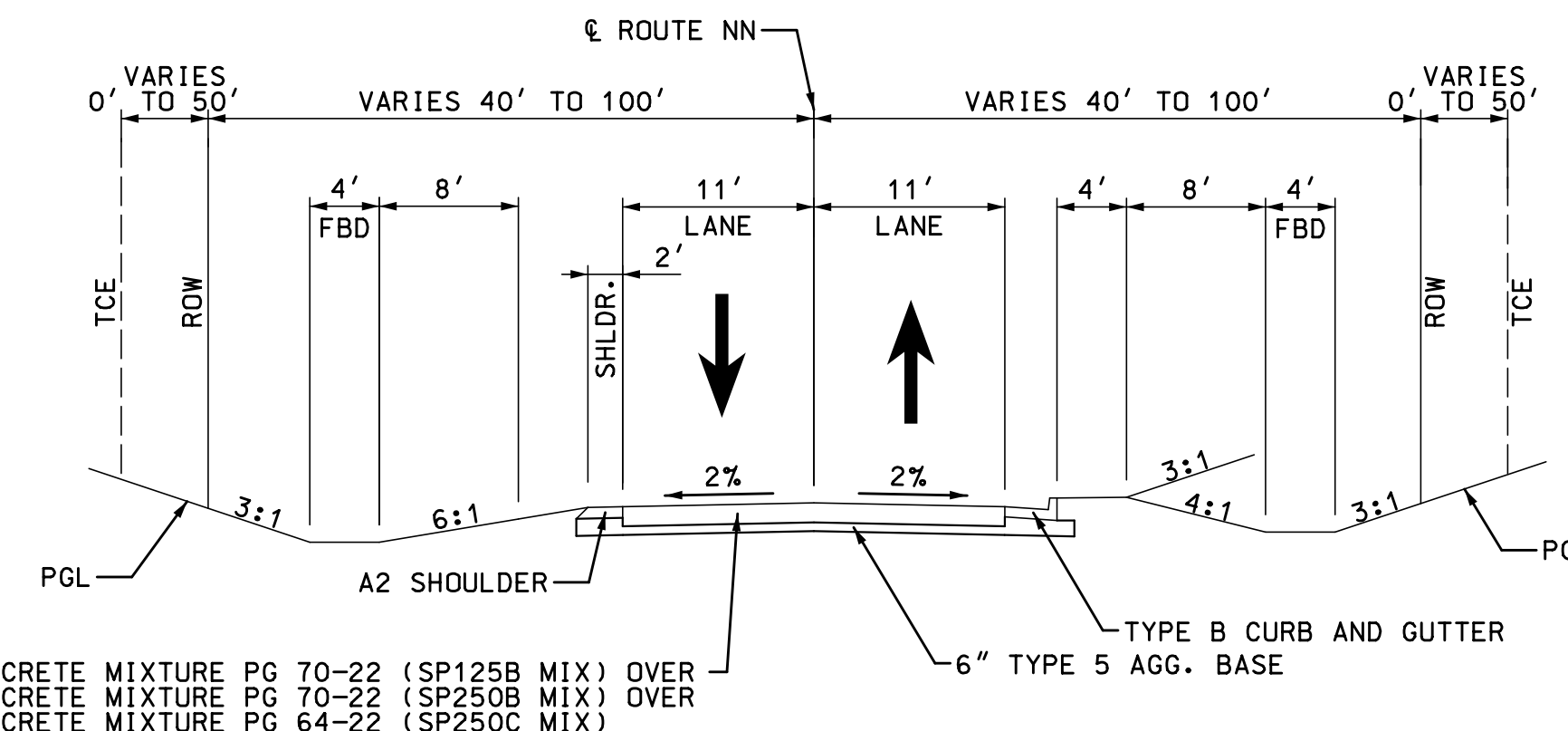
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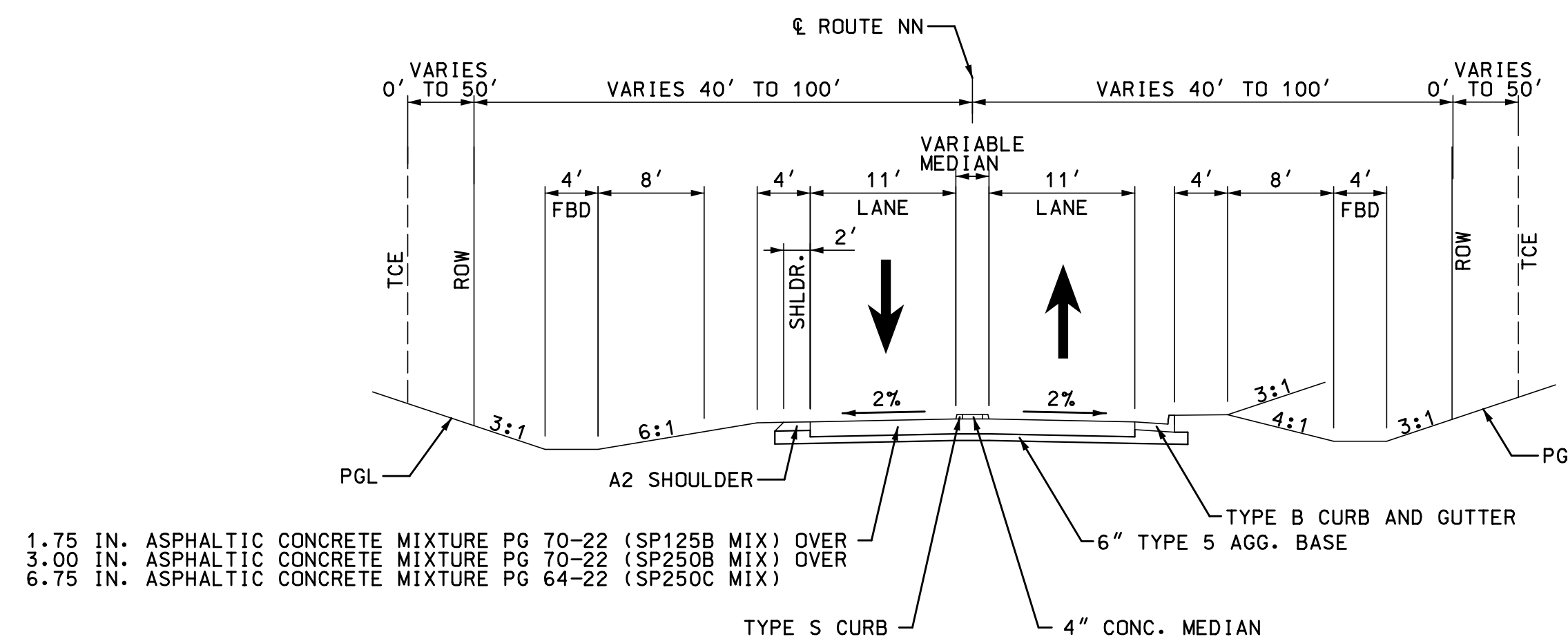
- 19 ROUTE NN
- STA. 68+78.13 TO STA. 69+55.50
 - STA. 70+98.64 TO STA. 90+64.69
 - * STA. 65+46.48 TO STA. 66+39.28
 - * STA. 67+96.22 TO STA. 68+58.67
 - ** STA. 68+58.67 TO STA. 69+65.86
 - *** STA. 70+97.55 TO STA. 72+05.55

SUPERELEVATION TABLE ROUTE NN
CURVE RTEA01_6

2%	-2%
STA. 76+98.80	
2%	2%
STA. 77+80.28	
8%	8%
STA. 79+02.43	
8%	8%
STA. 84+20.76	
2%	2%
STA. 85+42.91	
2%	-2%
STA. 86+24.39	



- 20 ROUTE NN
- STA. 90+94.69 TO 91+77.43



- 21 ROUTE NN
- STA. 91+77.43 TO 93+60.00

ROUTE A/ROUTE NN
TYPICAL SECTIONS
11 OF 15

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

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ROUTE 60 STATE MO
DISTRICT SW SHEET NO. 2

COUNTY
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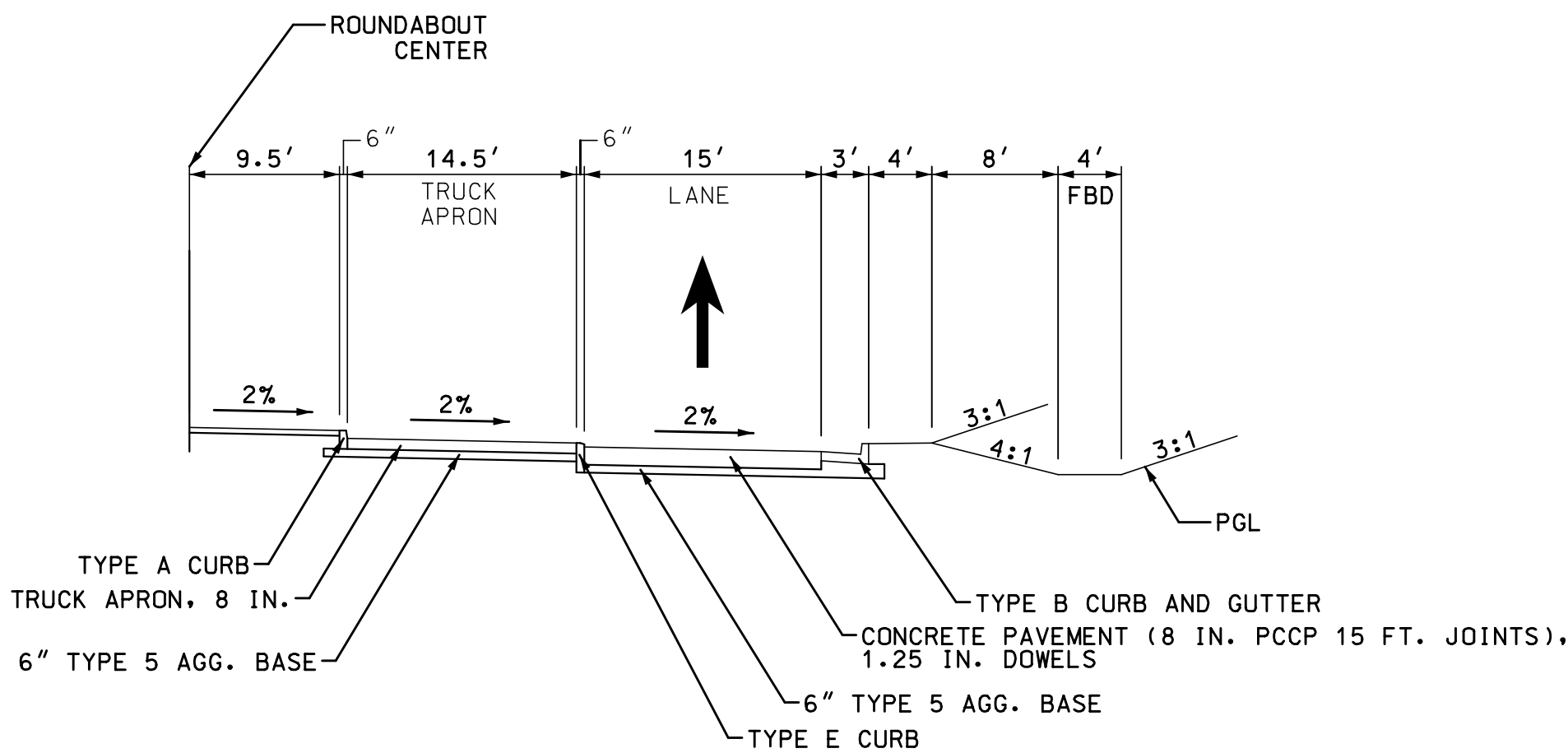
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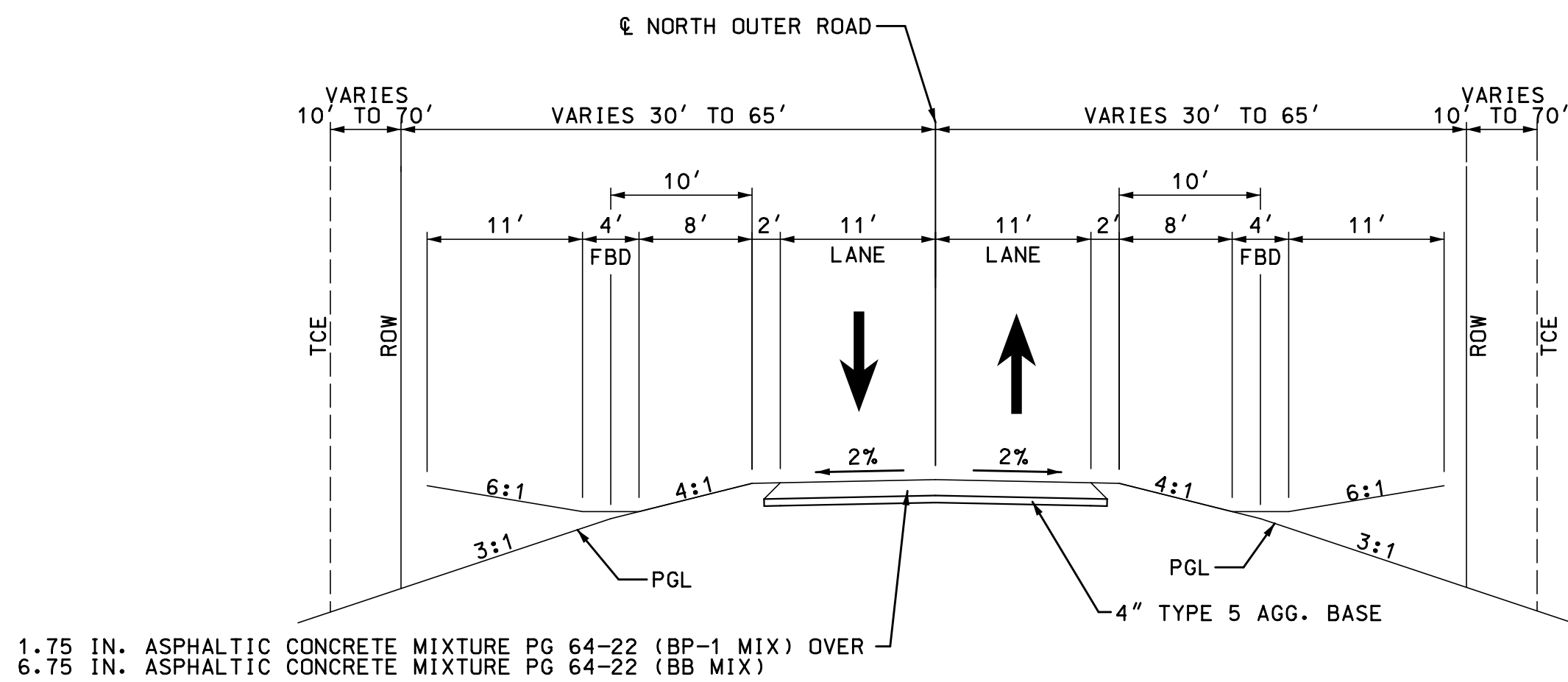




24 ROUTE NN ROUNDABOUT

SUPERELEVATION TABLE NOR
CURVE NORW_3

2%	-2%
STA. 37+04.78	
2%	2%
STA. 37+80.61	
5.9%	5.9%
STA. 38+54.62	
5.9%	5.9%
STA. 39+20.08	
2%	2%
STA. 39+94.09	
2%	-2%
STA. 40+69.95	



25 NORTH OUTER ROAD
STA. 15+41.00 TO STA. 41+11.02

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ROUTE STATE

60 MO

DISTRICT SHEET NO.

SW 2

COUNTY

WEBSTER

JOB NO.

J7P3425C

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

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COMMISSION



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60 MO

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SW 2

COUNTY

WEBSTER

JOB NO.

J7P3425C

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

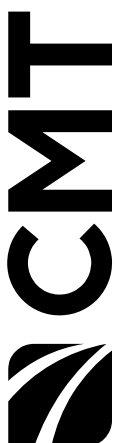
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DATE

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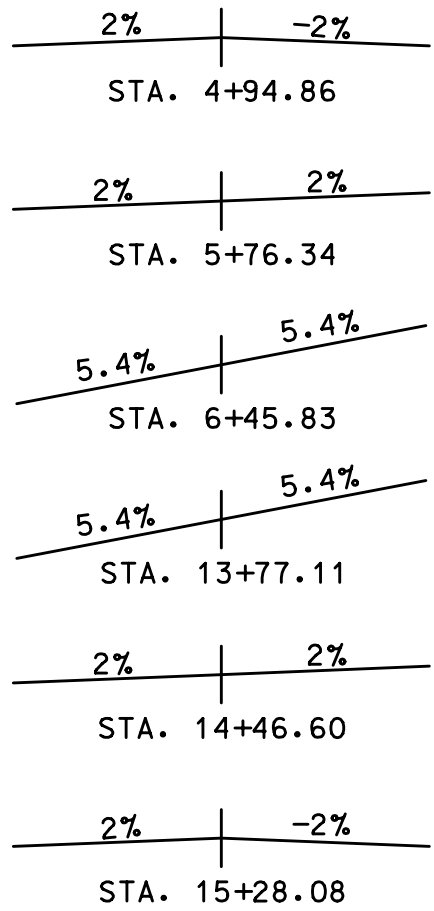


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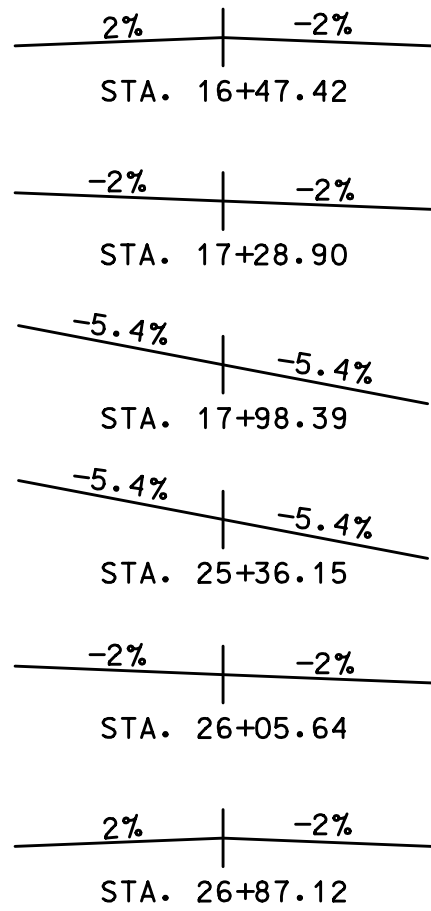
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TYPICAL SECTIONS
15 OF 15

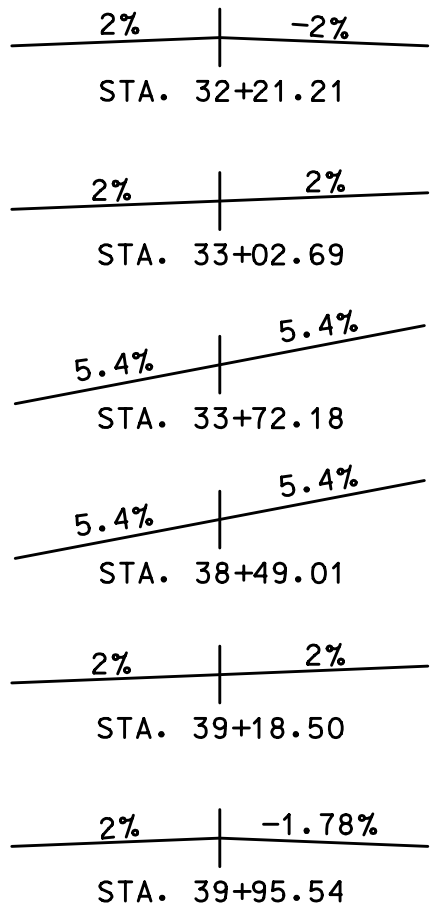
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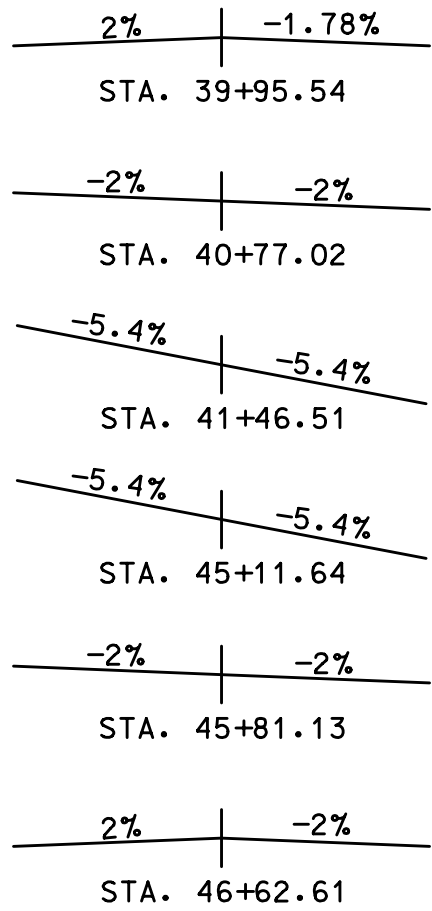
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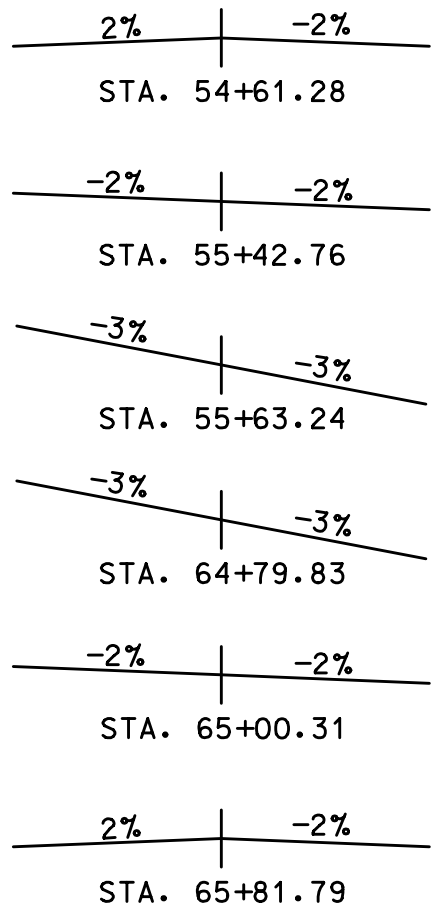
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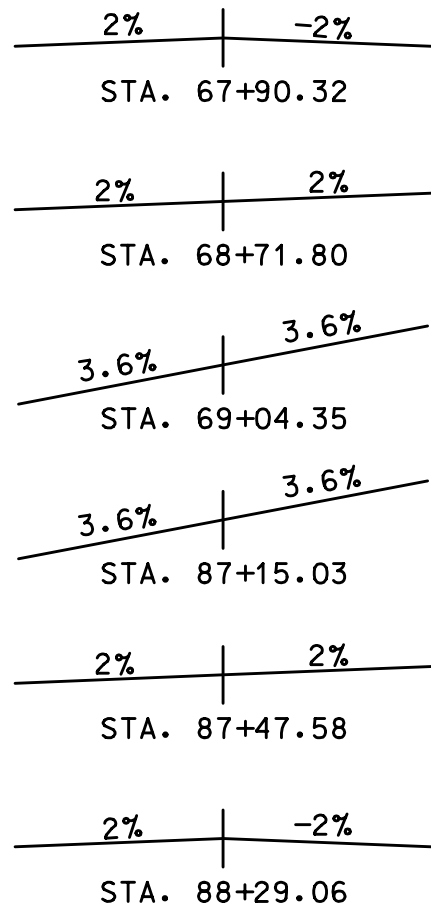
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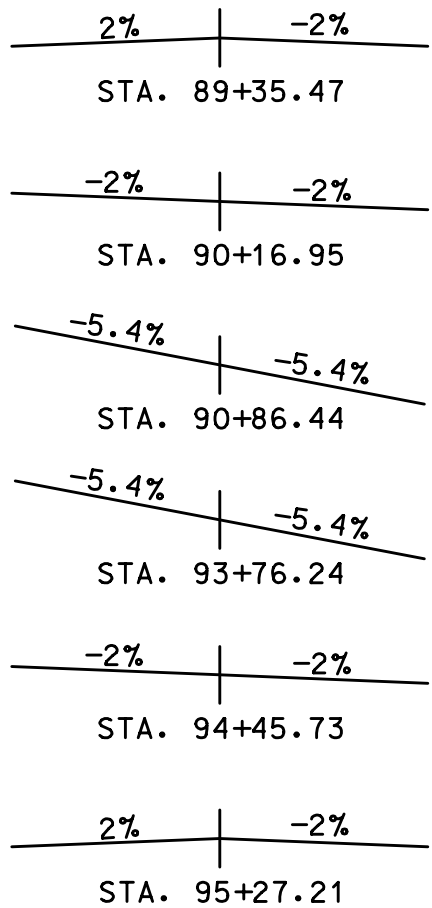
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CURVE PR_SOR_15



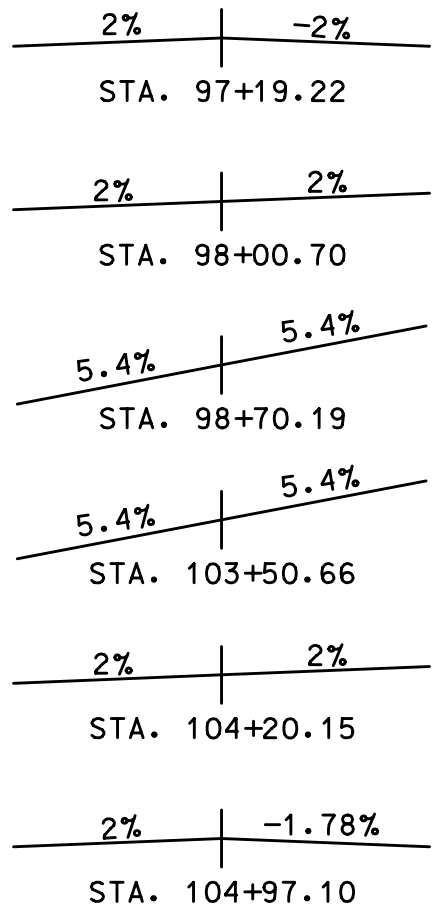
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CURVE PR_SOR_18



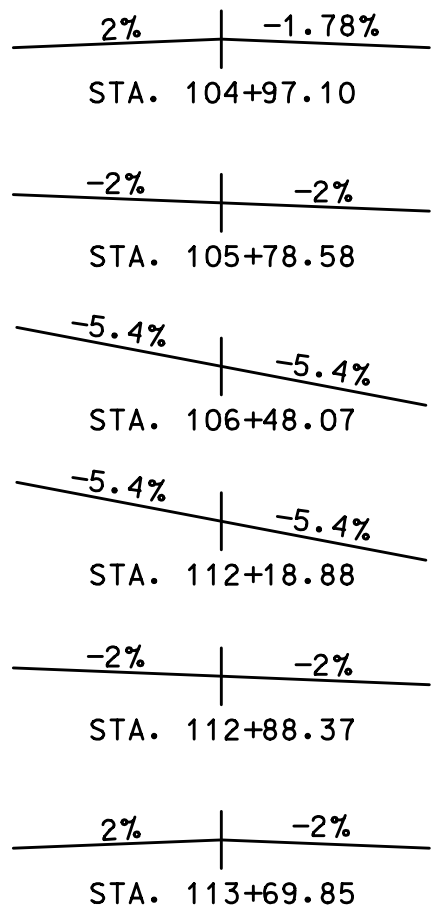
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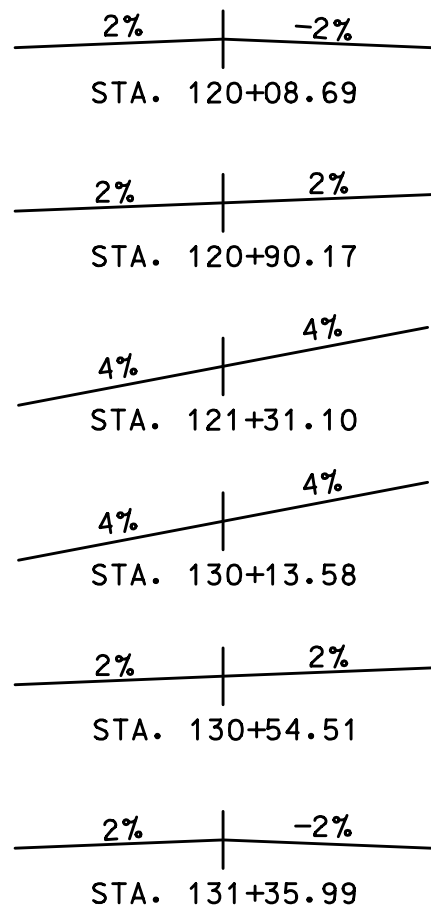
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CURVE PR_SOR_24



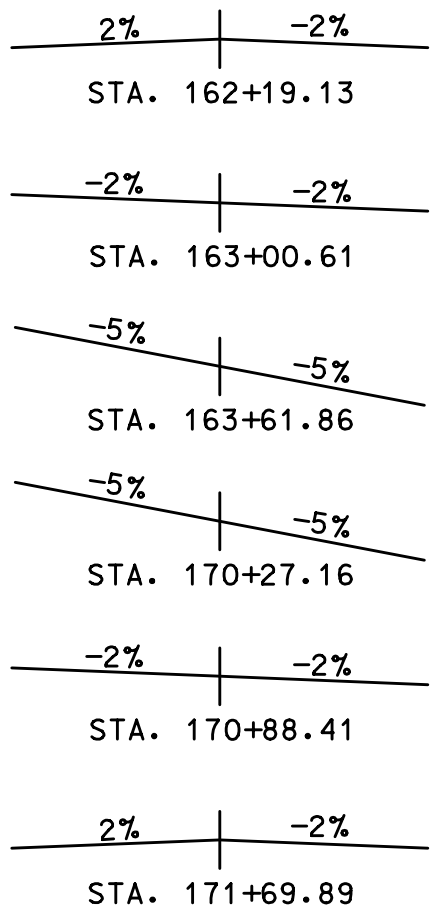
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CURVE PR_SOR_27



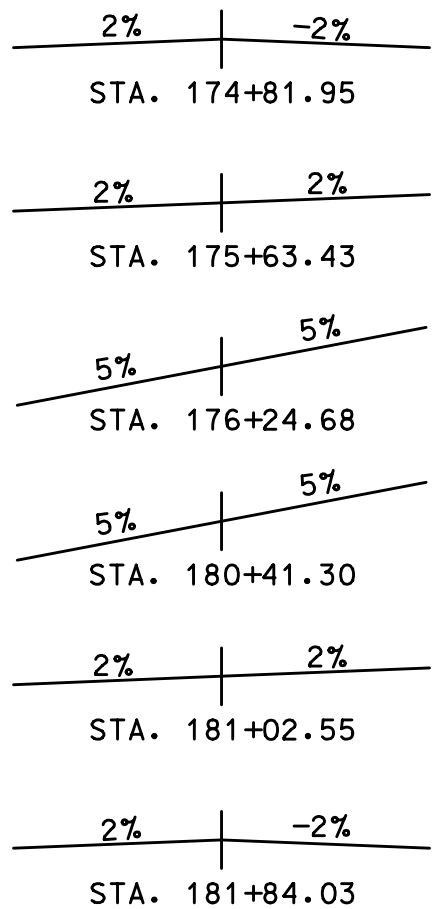
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CURVE PR_SOR_30



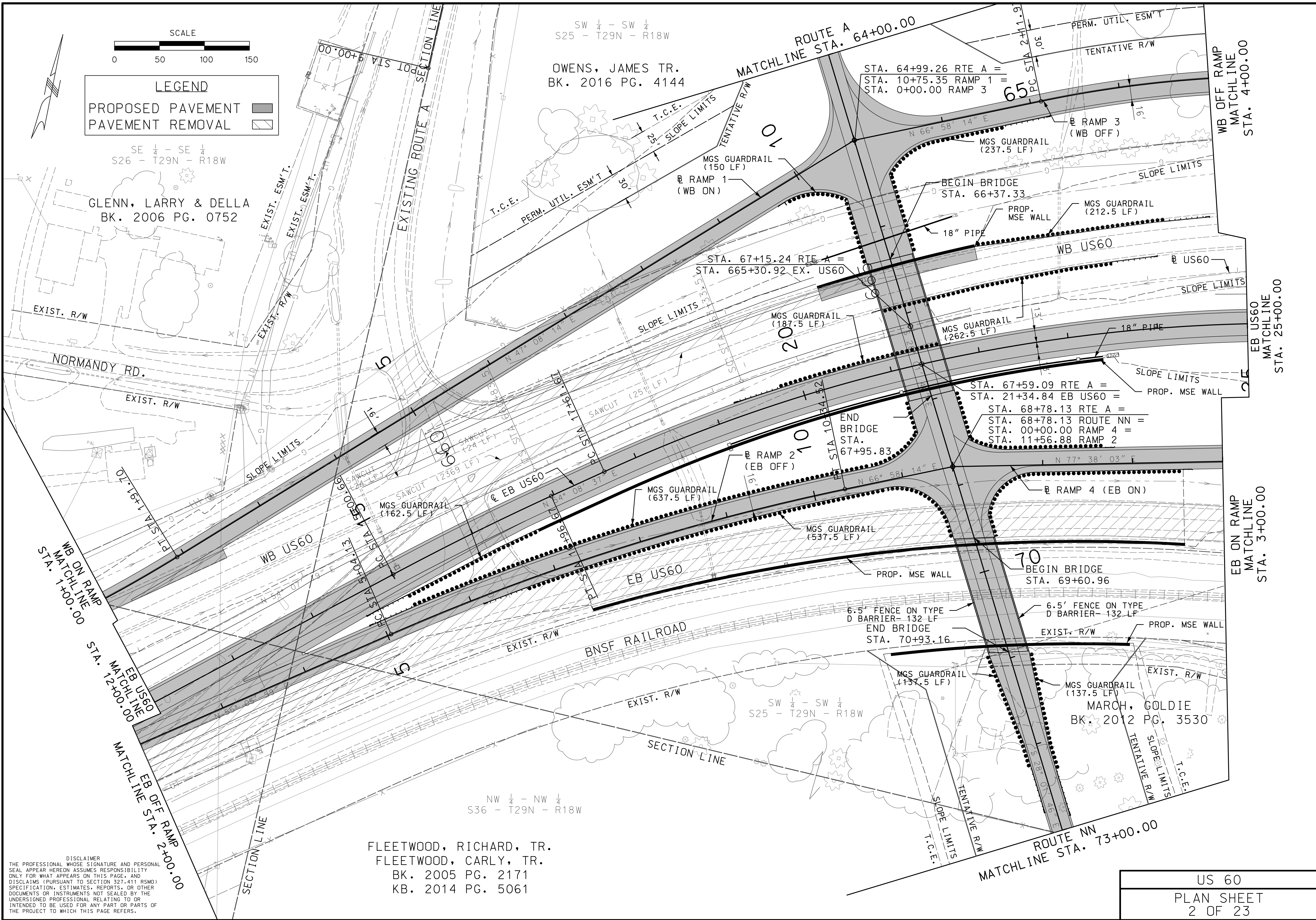
SUPERELEVATION TABLE SOR
CURVE PR_SOR_33



SUPERELEVATION TABLE SOR
CURVE PR_SOR_36







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FLEETWOOD, RICHARD, TR.
FLEETWOOD, CARLY, TR.
BK. 2005 PG. 2171
KB. 2014 PG. 5061

US 60
PLAN SHEET
2 OF 23

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ROUTE 60	STATE MO
DISTRICT SW	SHEET NO. 5
COUNTY WEBSTER	
JOB NO. J7P3425C	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

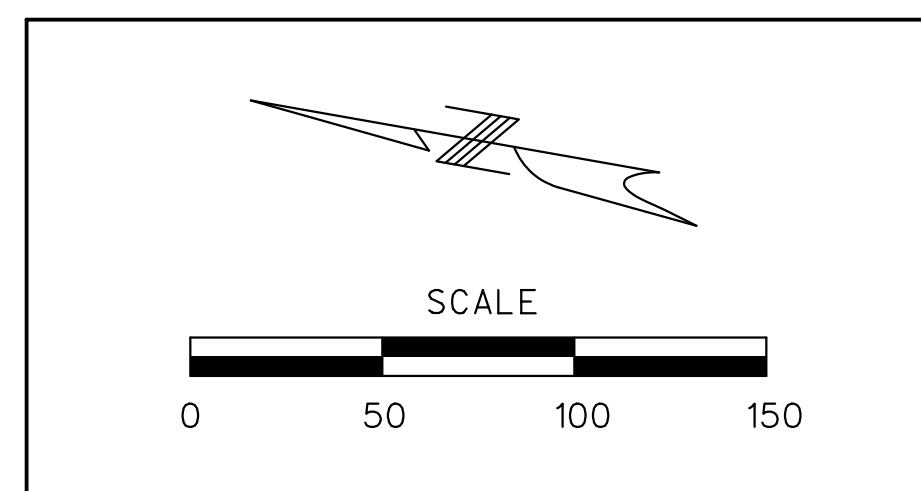
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LEGEND

PROPOSED PAVEMENT	
PAVEMENT REMOVAL	

NW $\frac{1}{4}$ - SW $\frac{1}{4}$
S25 - T29N - R18W

NORTH OUTER ROAD MATCHLINE
STA. 22+00.00
SEE SHEET 3 OF 25

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ROUTE	STA
60	M

DISTRICT	SHEET
SW	8

COUNTY
WEBSTER

JOB NO.
J17P3425C

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]

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

SNELSON, WAYNE
BK. 0340 PG. 0360

OWENS, JAMES TR.
BK. 2016 PG. 4144

NW $\frac{1}{4}$ - SW $\frac{1}{4}$
S25 - T29N - R18W

TYPE I DRIVEWAY (GRAVEL)
STA. 54+05.32
OFF. 32.90' LT.
MATCH EXIST.

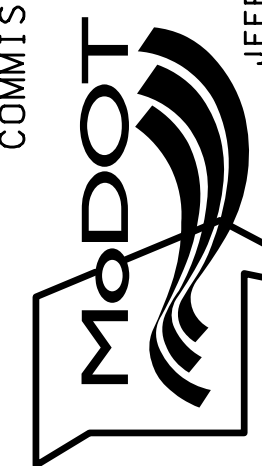
STA. 59+46.37 RTE. A =
STA. 15+00.00 NOR

SW $\frac{1}{4}$ - SW $\frac{1}{4}$
S25 - T29N - R18W

OWENS, JAMES TR.
BK. 2016 PG. 4144

GLENN, LARRY & DELLA
BK. 2006 PG. 0752

NE $\frac{1}{4}$ - SE $\frac{1}{4}$
S26 - T29N - R18W

$$S26 - T29N - R18W$$
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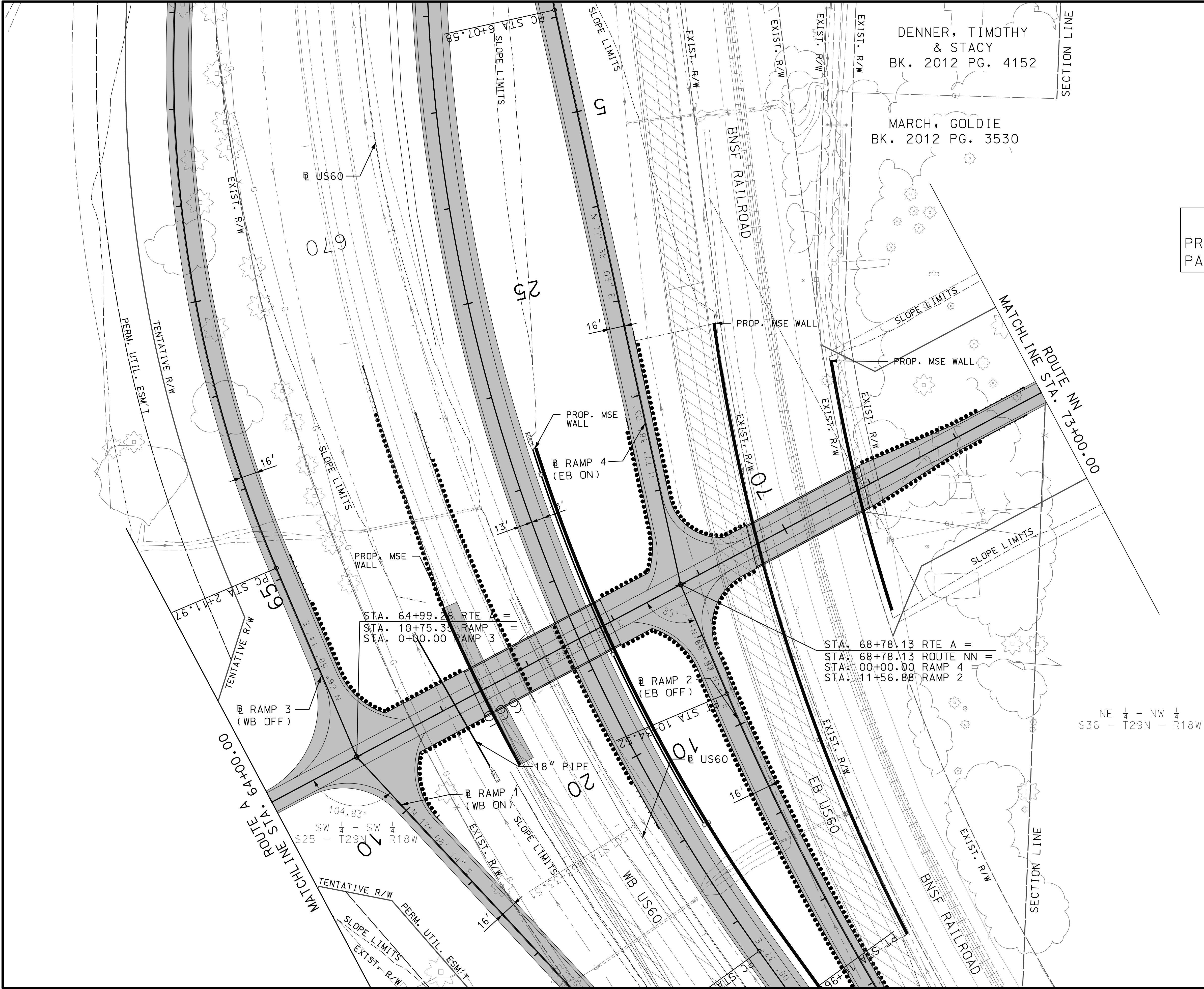
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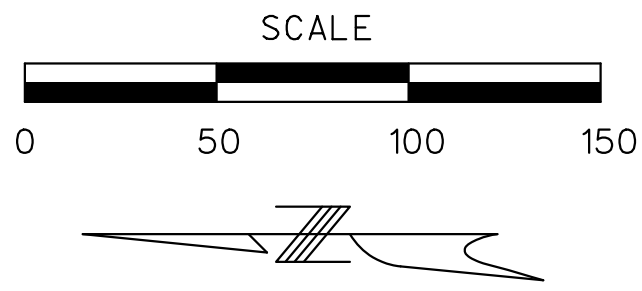
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ROUTE A/ROUTE NN
PLAN SHEET
5 OF 23



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LEGEND	
PROPOSED PAVEMENT	
PAVEMENT REMOVAL	

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DISTRICT SW	SHEET NO. 9
COUNTY WEBSTER	
JOB NO. J7P3425C	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

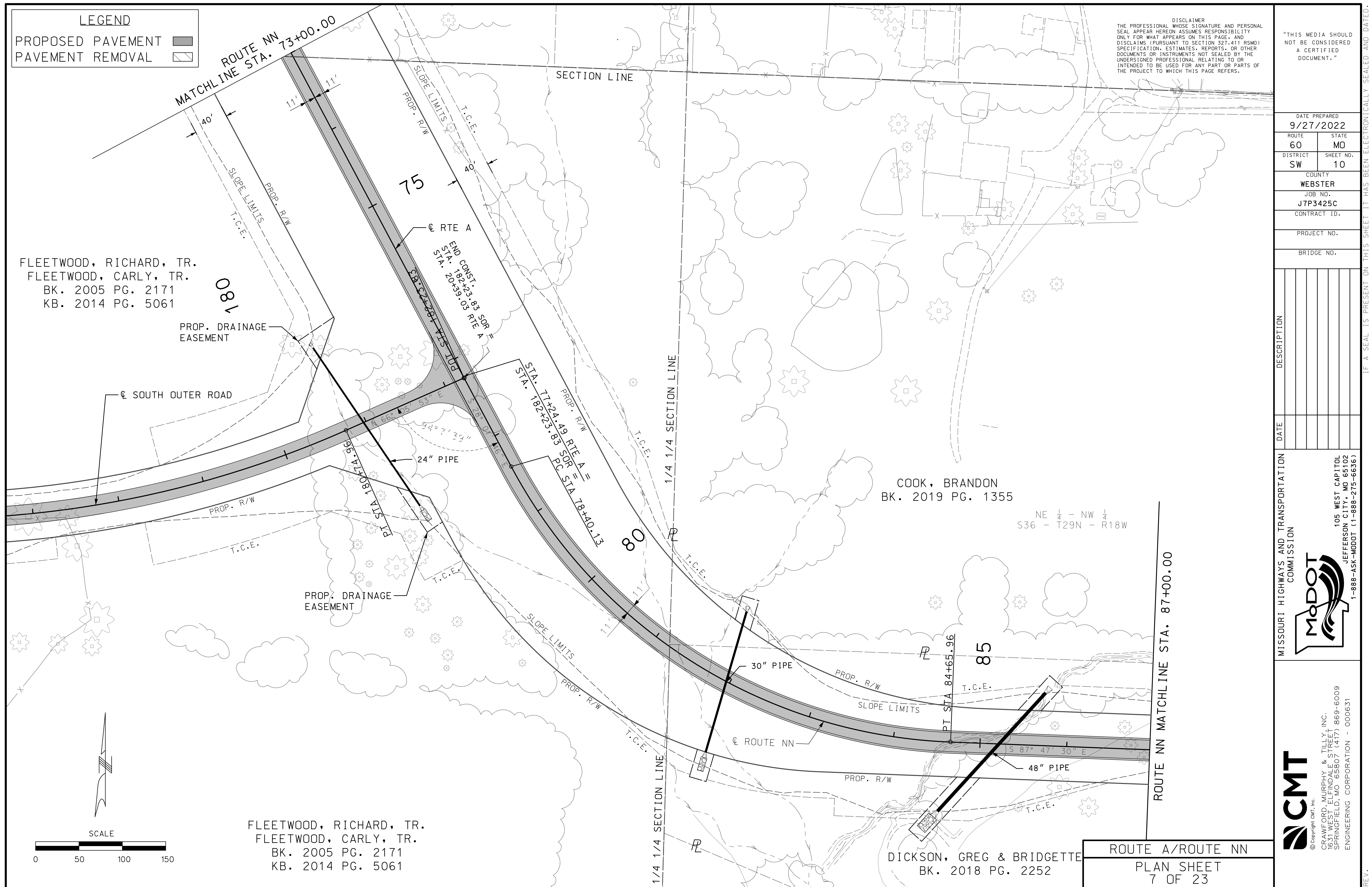
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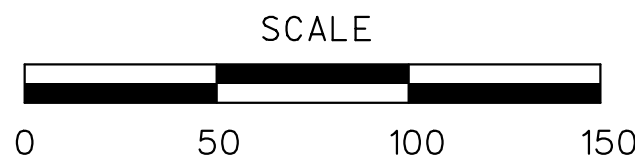
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ROUTE A/ROUTE NN
PLAN SHEET
6 OF 23





LEGEND	
PROPOSED PAVEMENT	
PAVEMENT REMOVAL	
RAISED MEDIAN	
TRUCK APRON	

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ROUTE STATE

60 MO

DISTRICT SHEET NO.

SW 11

COUNTY

WEBSTER

JOB NO.

J7P3425C

CONTRACT ID.

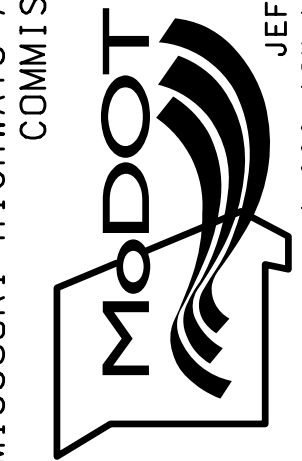
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ROUTE NN
MATCHLINE STA. 87+00.00

COOK, BRANDON
BK. 2019 PG. 1355

ZION LUTHERAN CHURCH

TRAITEUR, MIKE & ALESIA
BK. 2012 PG. 3484

OWENS, JAMES
BK. 2016 PG. 4144

KILGORE, DAVID & JOANNA
BK. 2018 PG. 1162

DICKSON, GREG & BRIDGETTE
BK. 2018 PG. 2252

NE 1/4 - NW 1/4
S36 - T29N - R18W

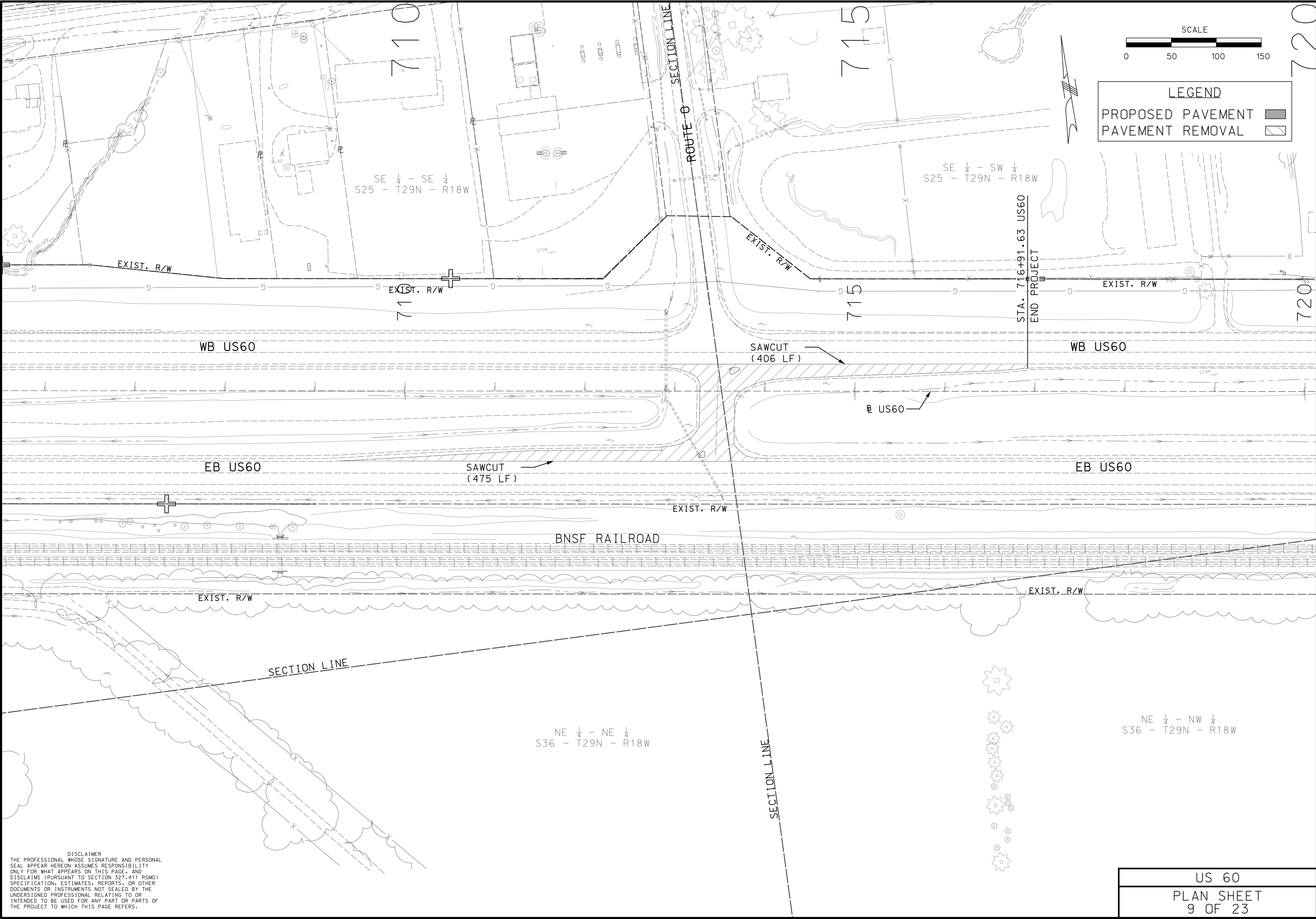
KELLEY, BRANDON, & ASHLEY
BK. 2018 PG. 2253

SAWYERS, ROGER & CASSIE
BK. 2010 PG. 0112

NW 1/4 - NE 1/4
S36 - T29N - R18W

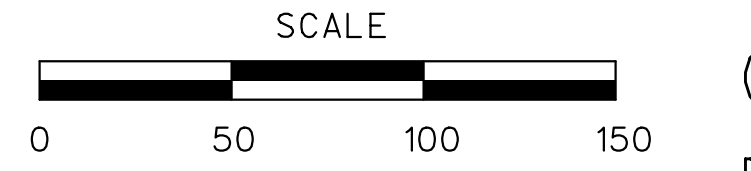
ROUTE A/ROUTE NN

PLAN SHEET
8 OF 23



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US 60
PLAN SHEET
9 OF 23



LEGEND
PROPOSED PAVEMENT
PAVEMENT REMOVAL

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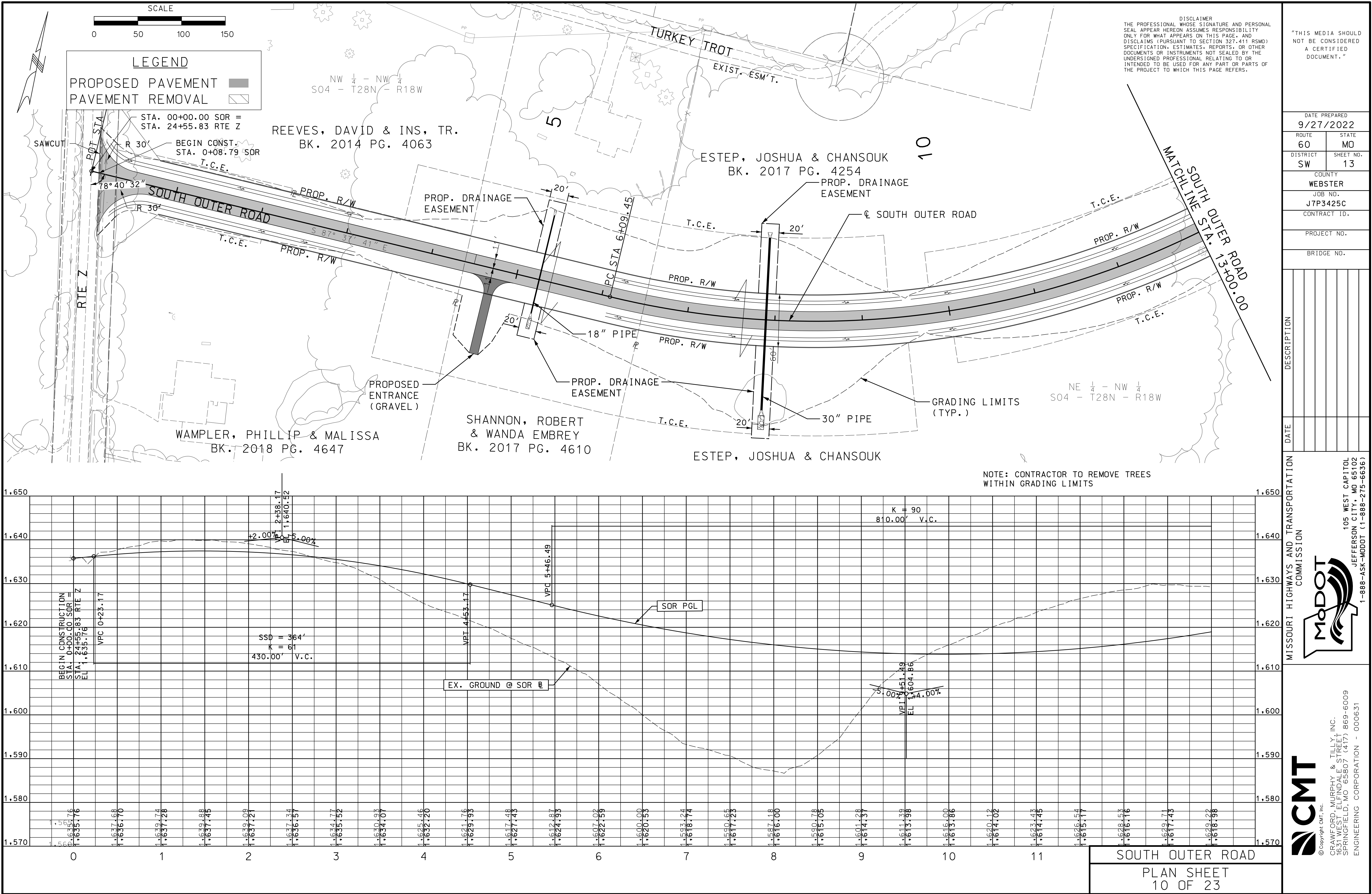
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ROUTE 60	STATE MO
DISTRICT SW	SHEET NO. 12
COUNTY WEBSTER	
JOB NO. J7P3425C	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

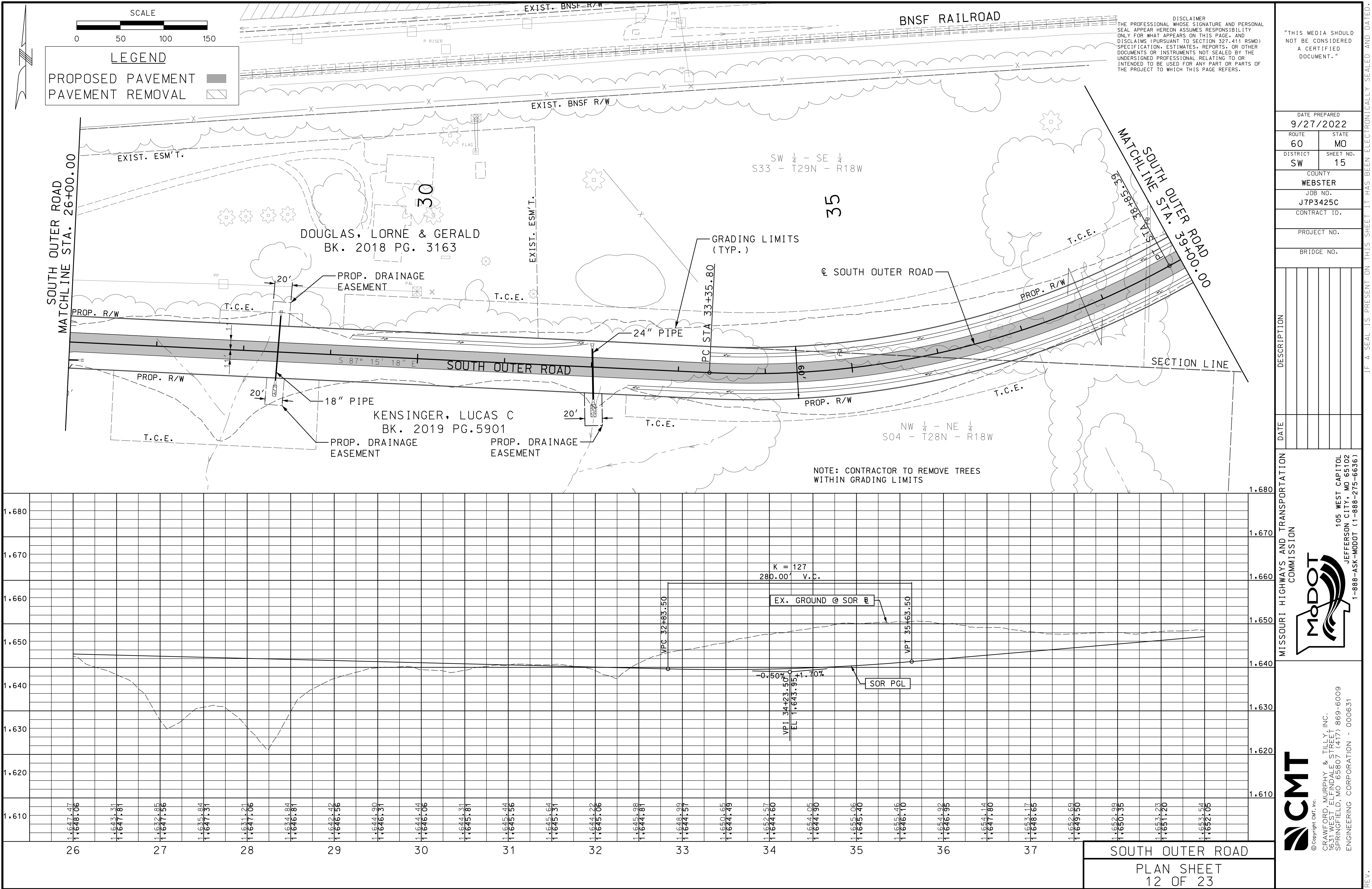
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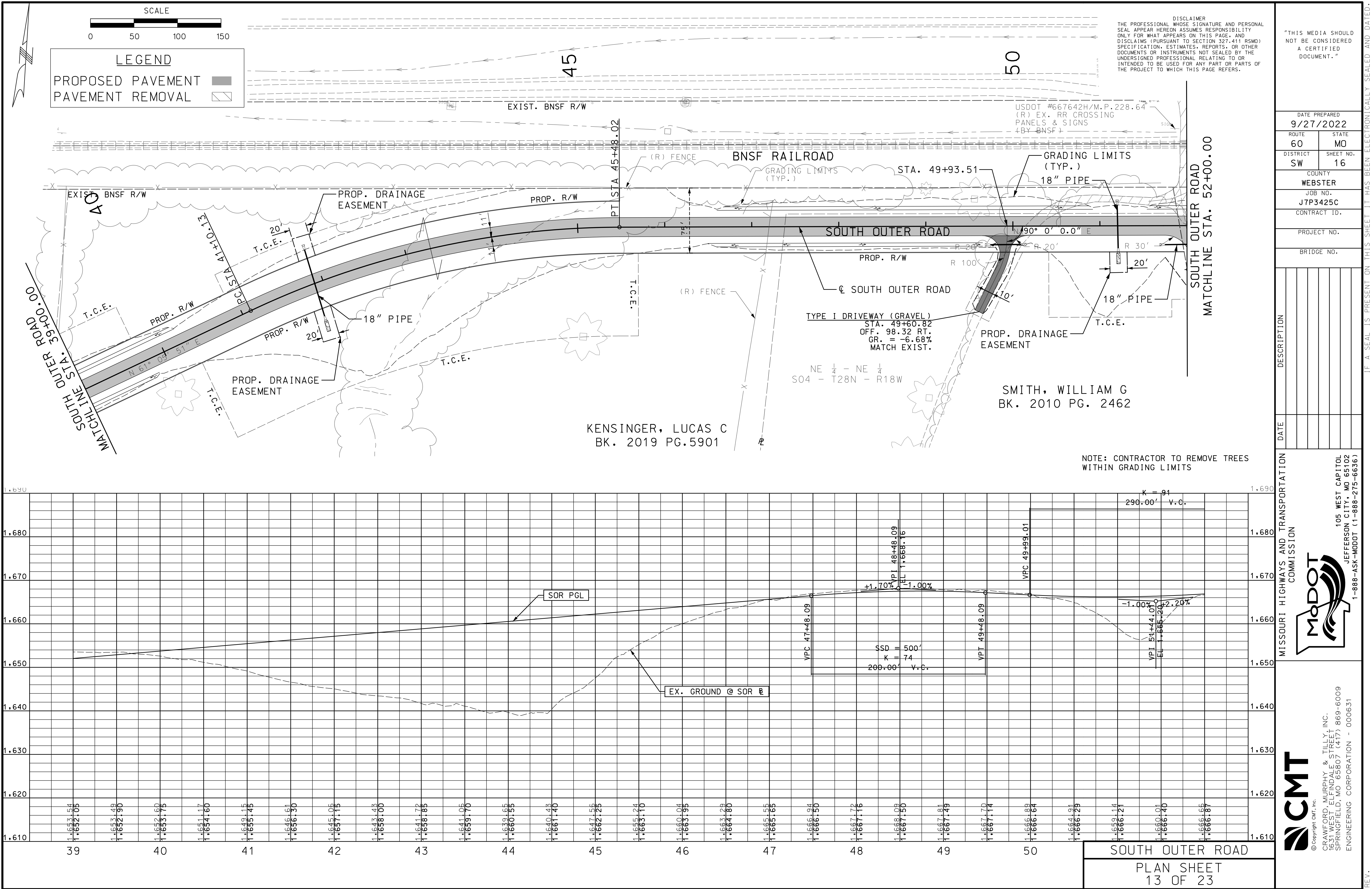
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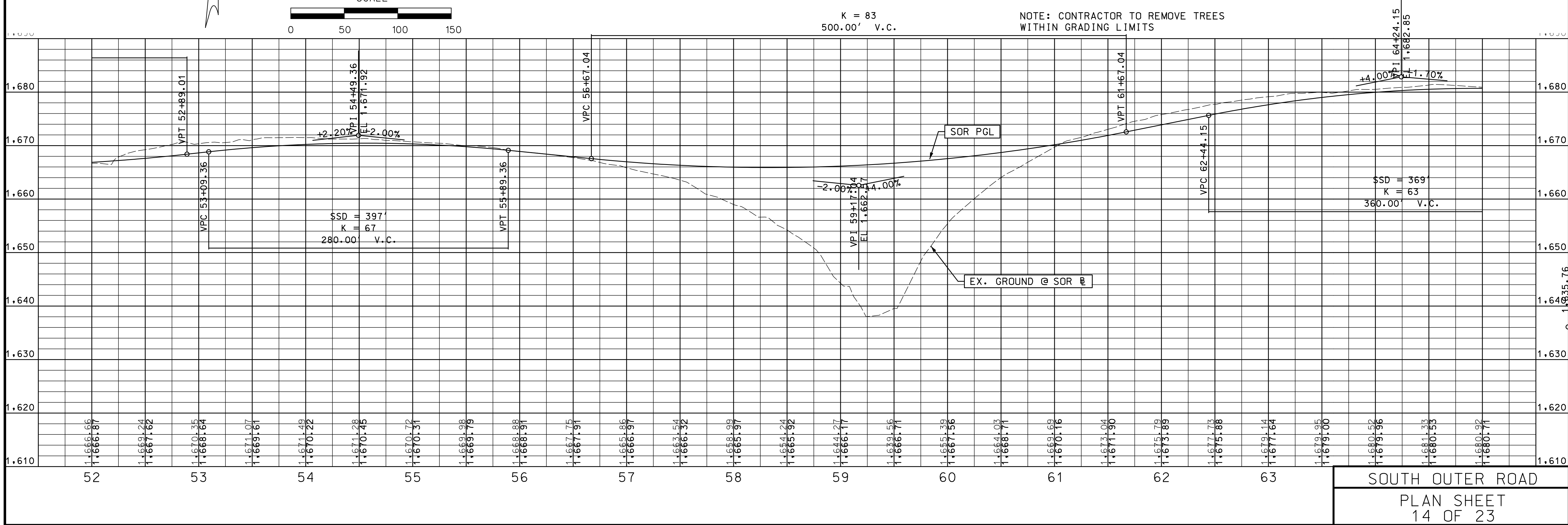
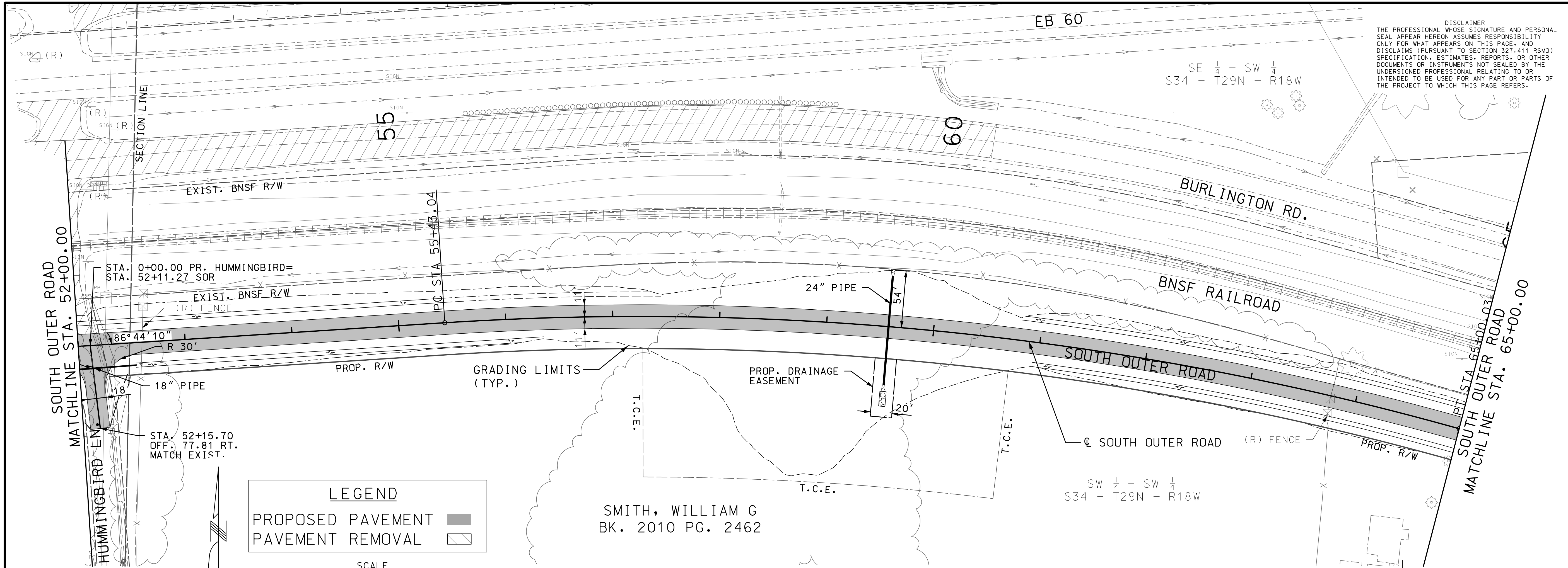
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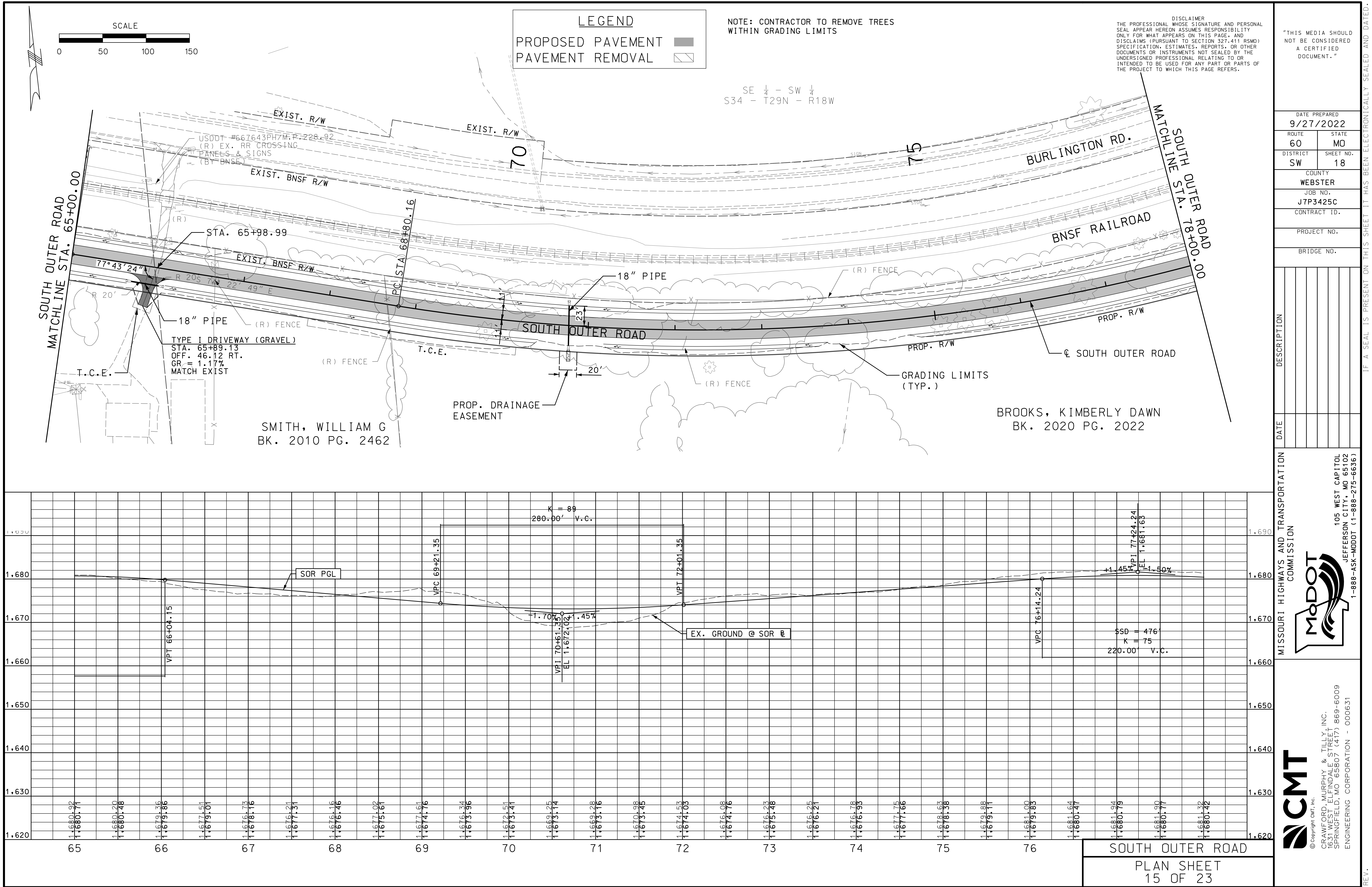
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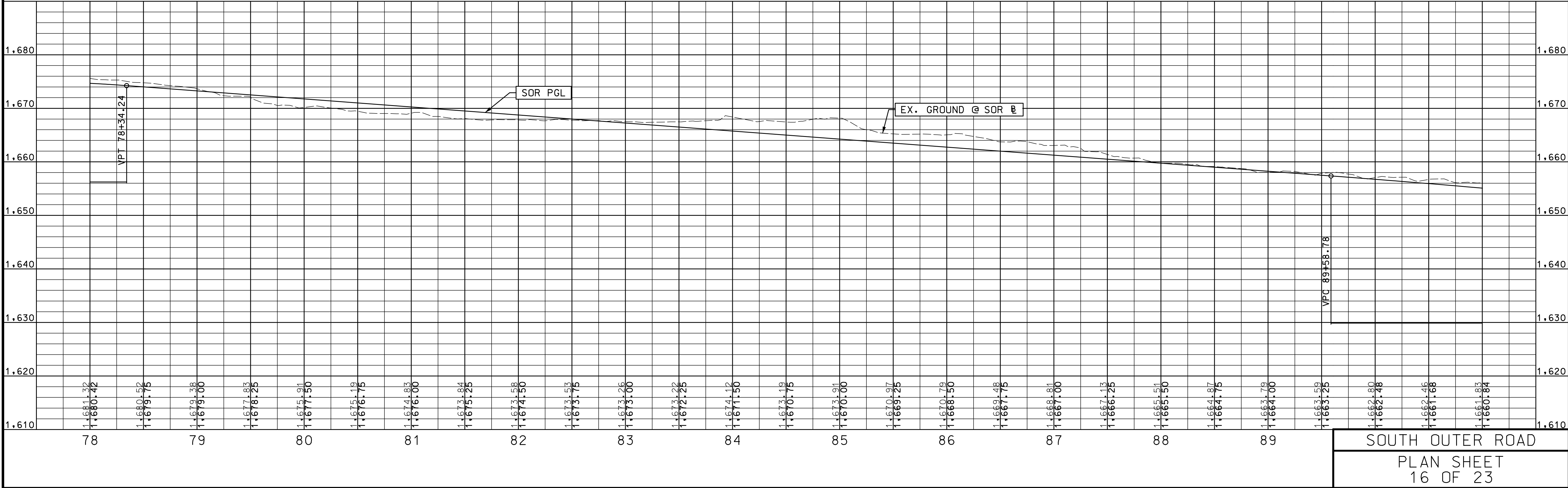
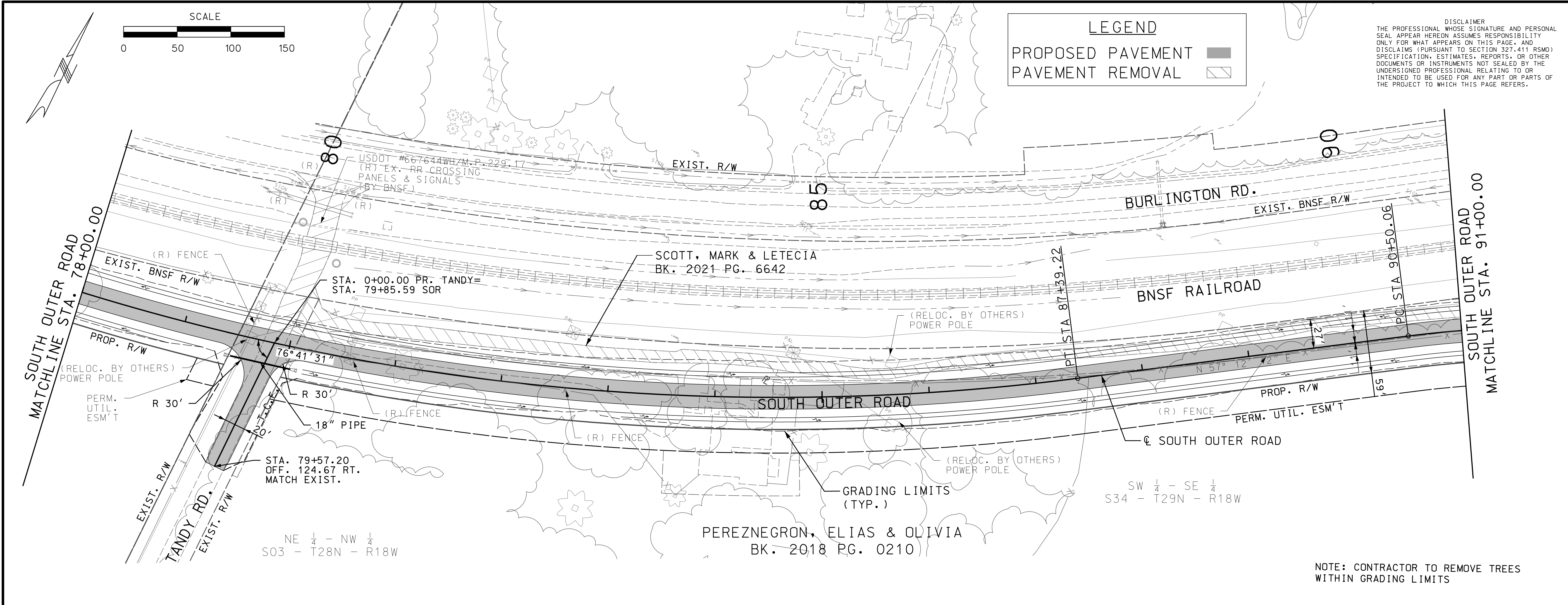












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ROUTE 60 STATE MO

DISTRICT SW SHEET NO. 19

COUNTY WEBSTER

JOB NO. J7P3425C

CONTRACT ID.

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BRIDGE NO.

DESCRIPTION

DATE

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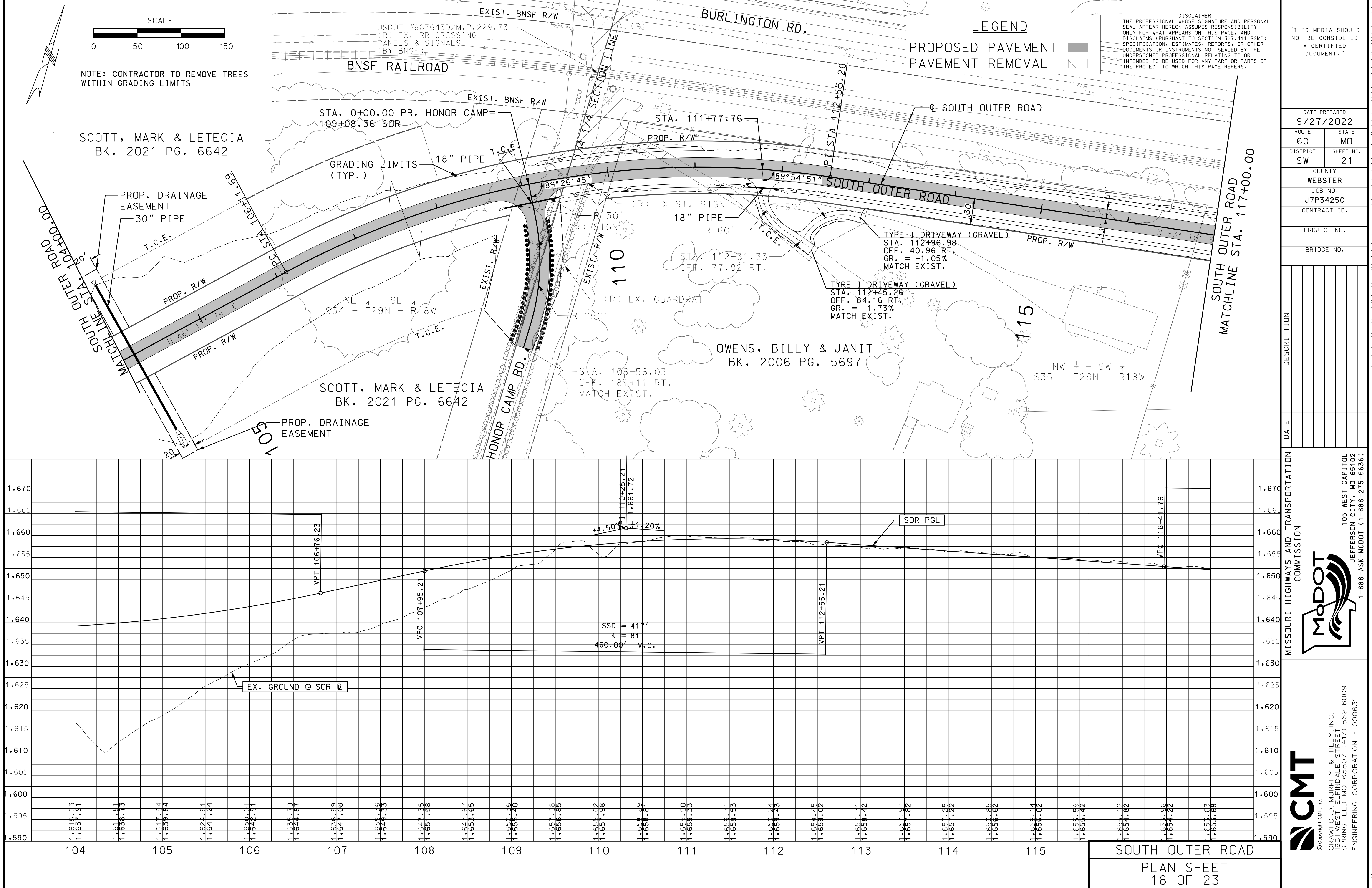
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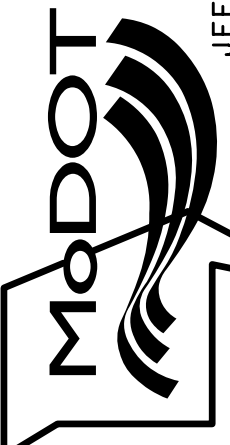


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COUNTY			
WEBSTER			
JOB NO.			
J7P3425C			
CONTRACT ID.			
PROJECT NO.			
BRIDGE NO.			

DESCRIPTION	DATE

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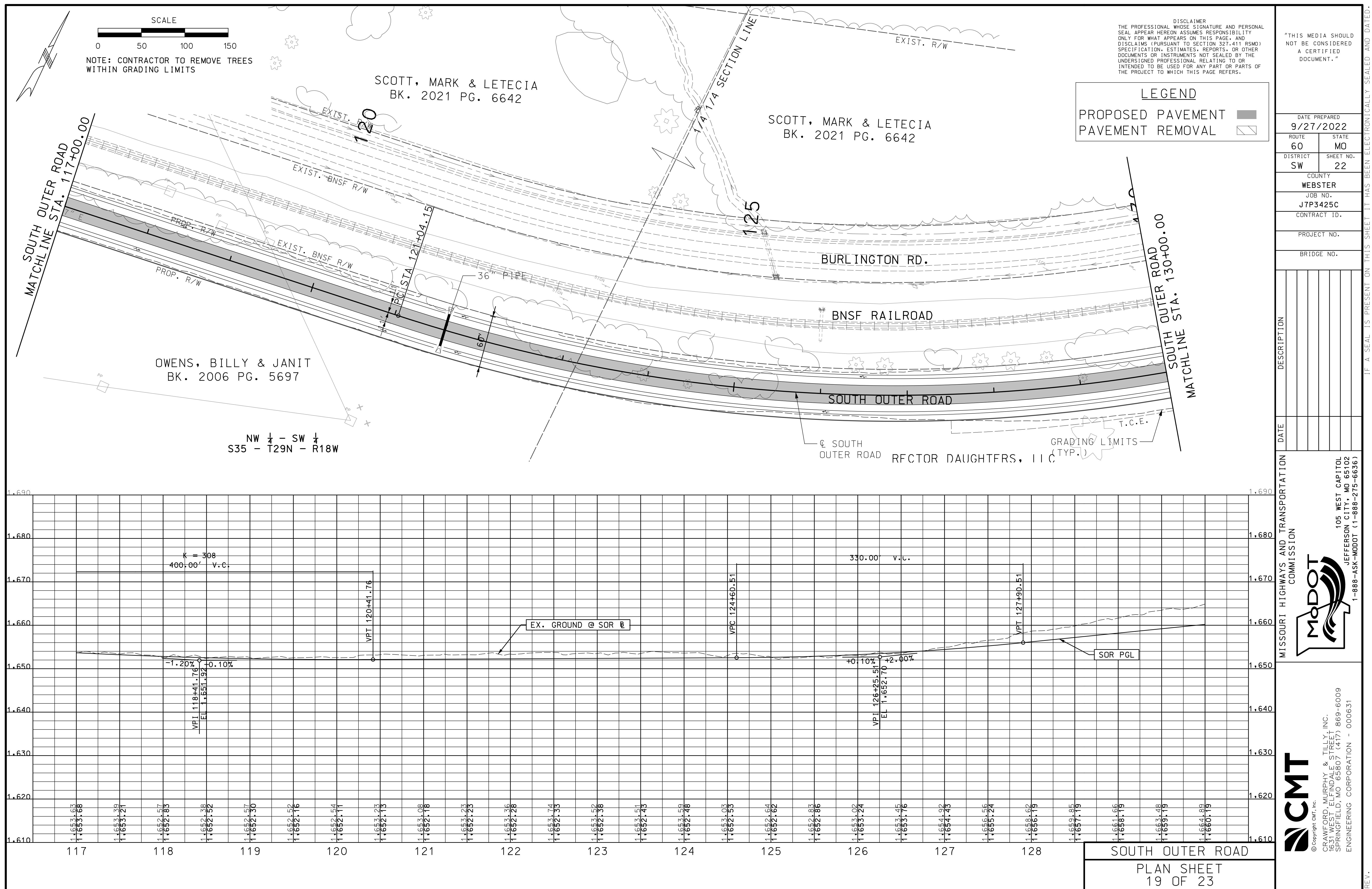


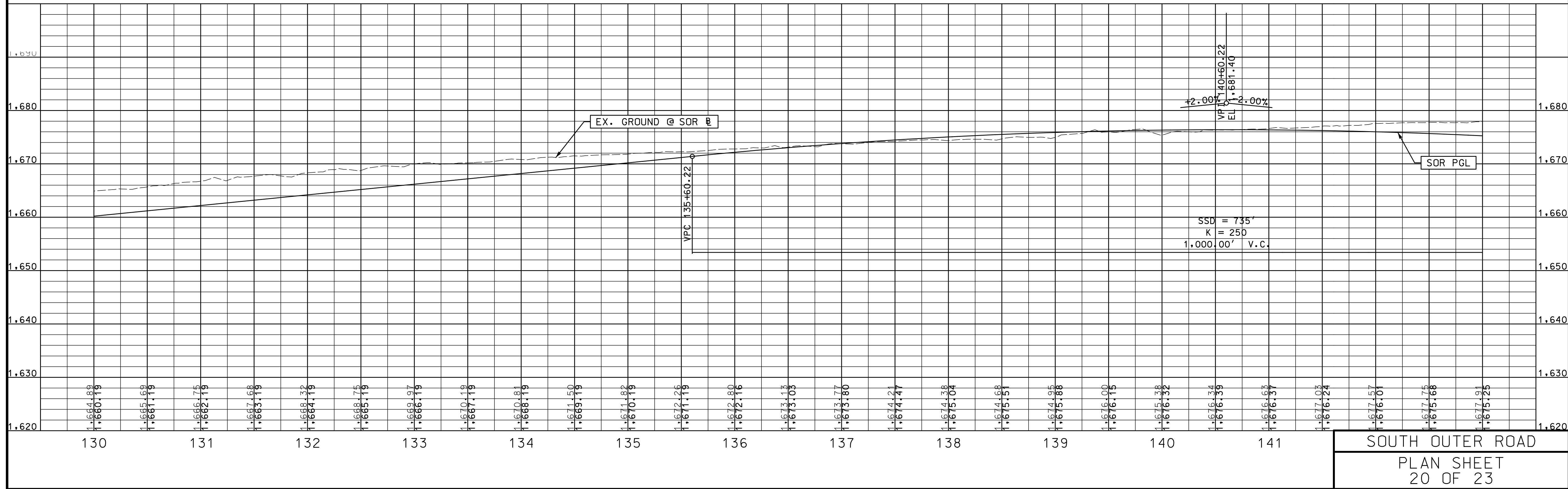
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SOUTH OUTER ROAD
PLAN SHEET
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60	MO
DISTRICT	SHEET NO.
SW	23
COUNTY	
WEBSTER	
JOB NO.	
J7P3425C	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

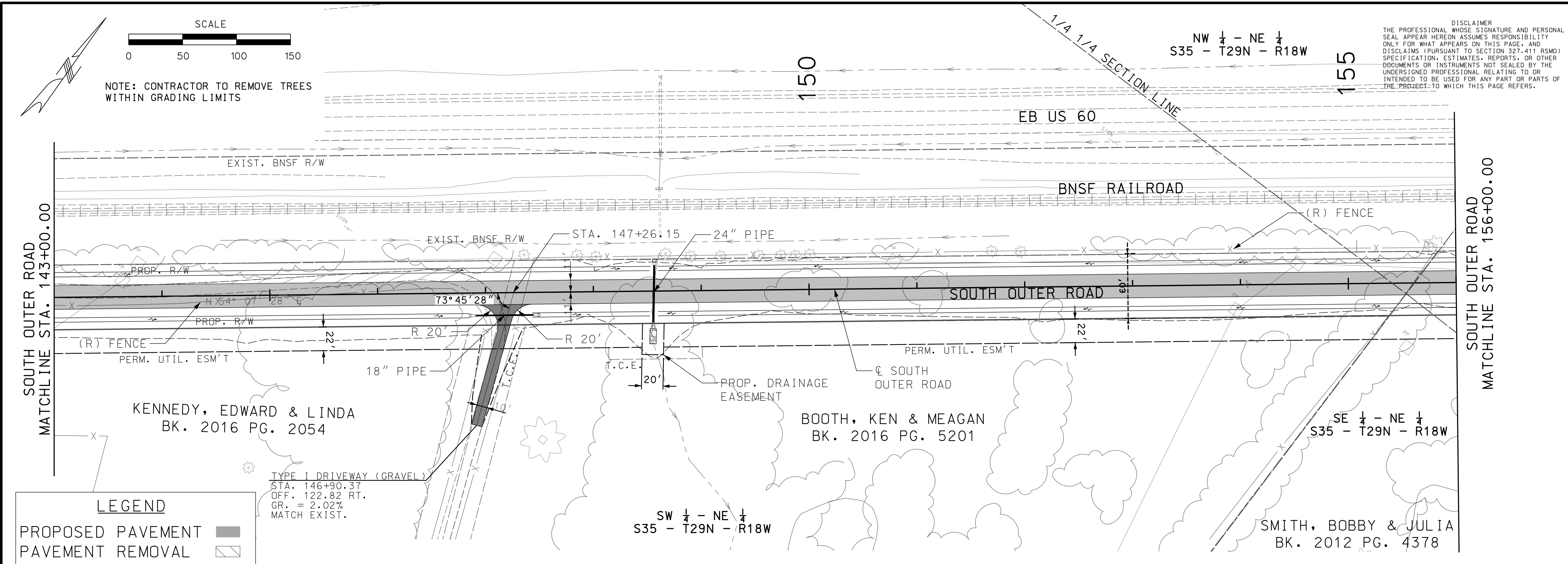
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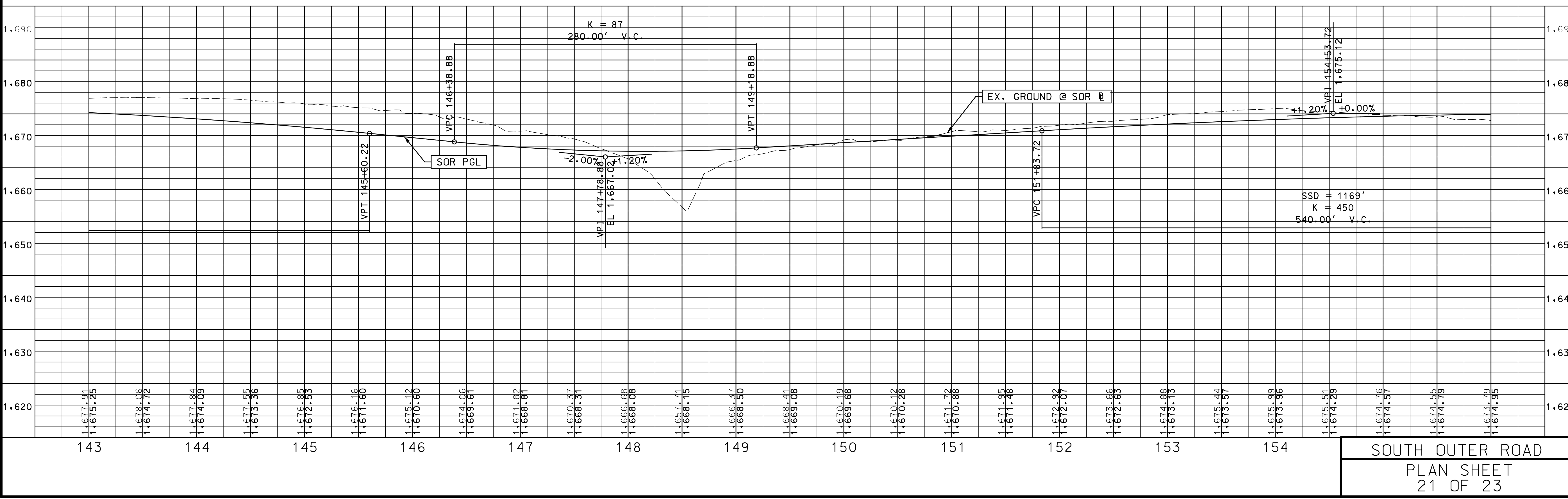


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ROUTE 60	STATE MO
DISTRICT SW	SHEET NO. 24
COUNTY WEBSTER	
JOB NO. J7P3425C	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION



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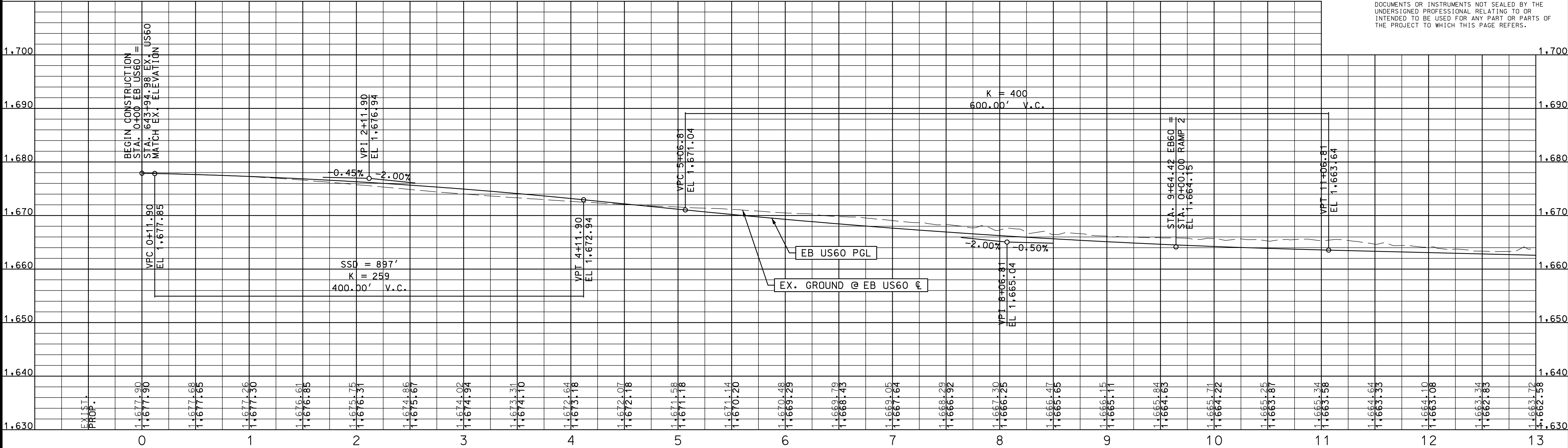
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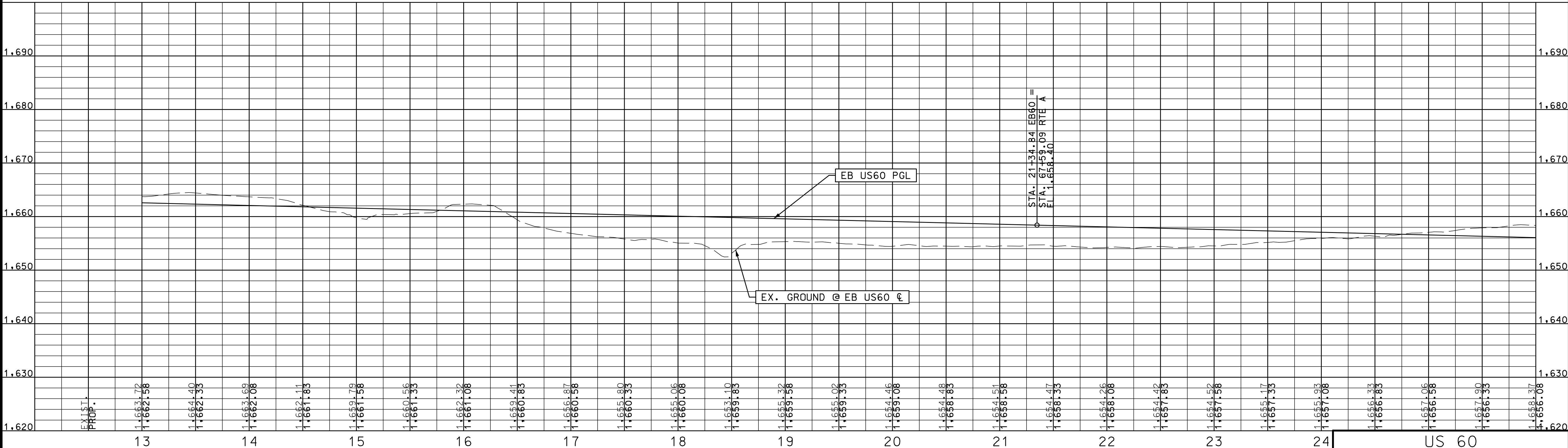
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EB US60



US 60
PROFILE SHEET
1 OF 10

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9/27/2022

ROUTE
60

STATE
MO

DISTRICT
SW

SHEET NO.
27

COUNTY
WEBSTER

JOB NO.
J7P3425C

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

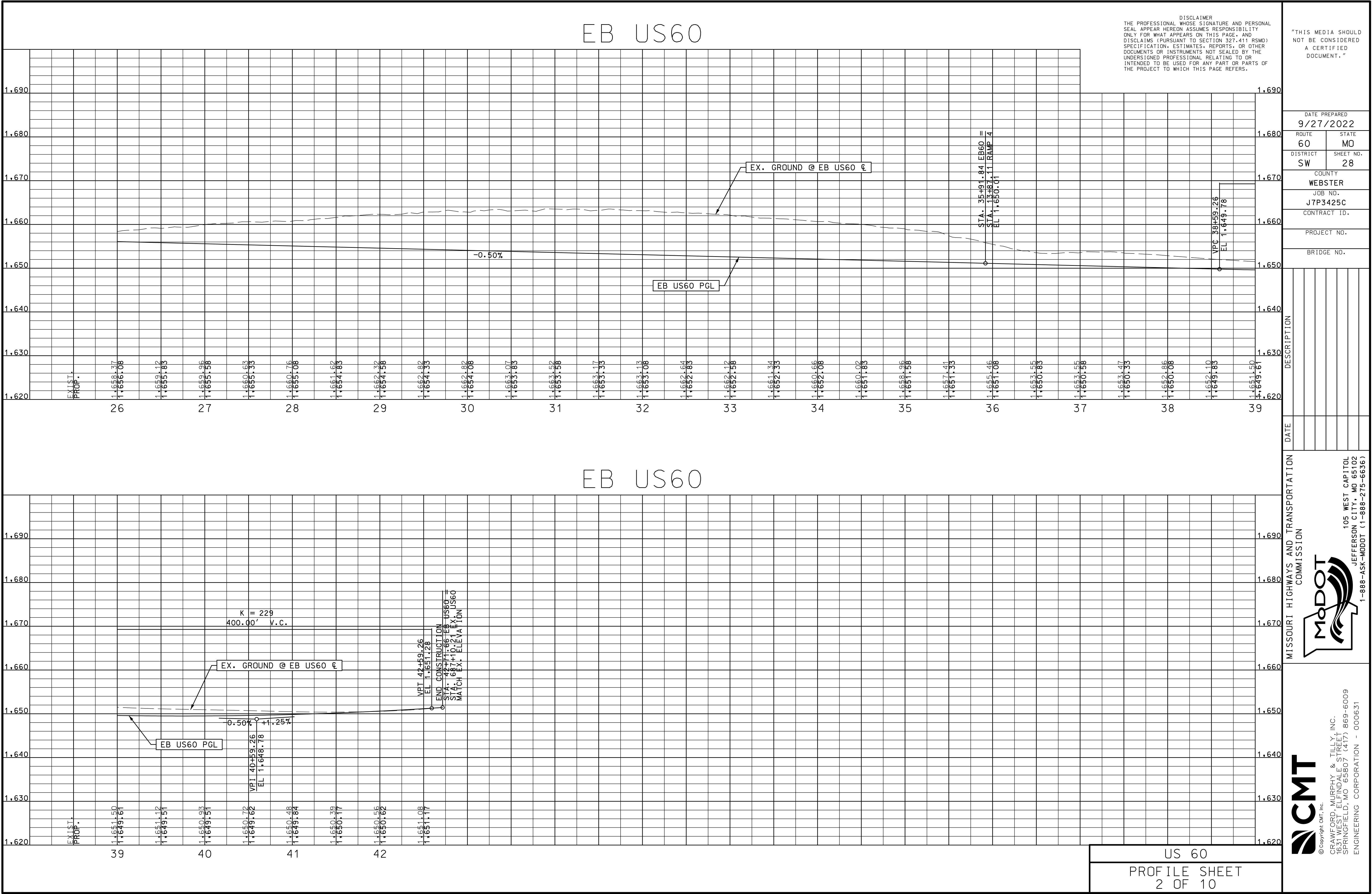
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MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

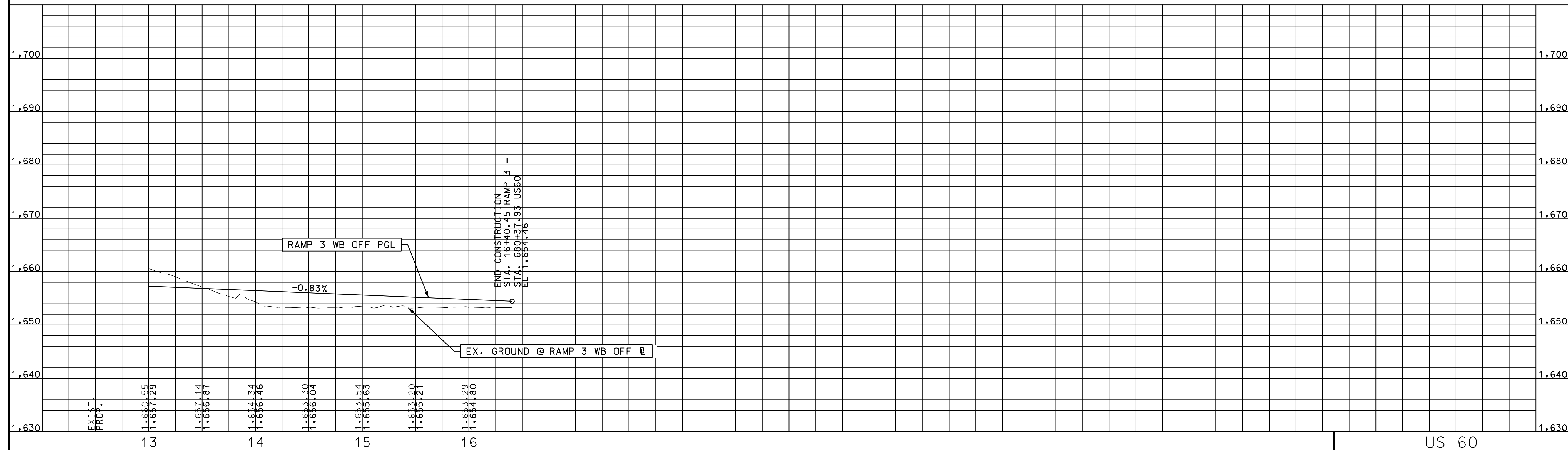
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REV.



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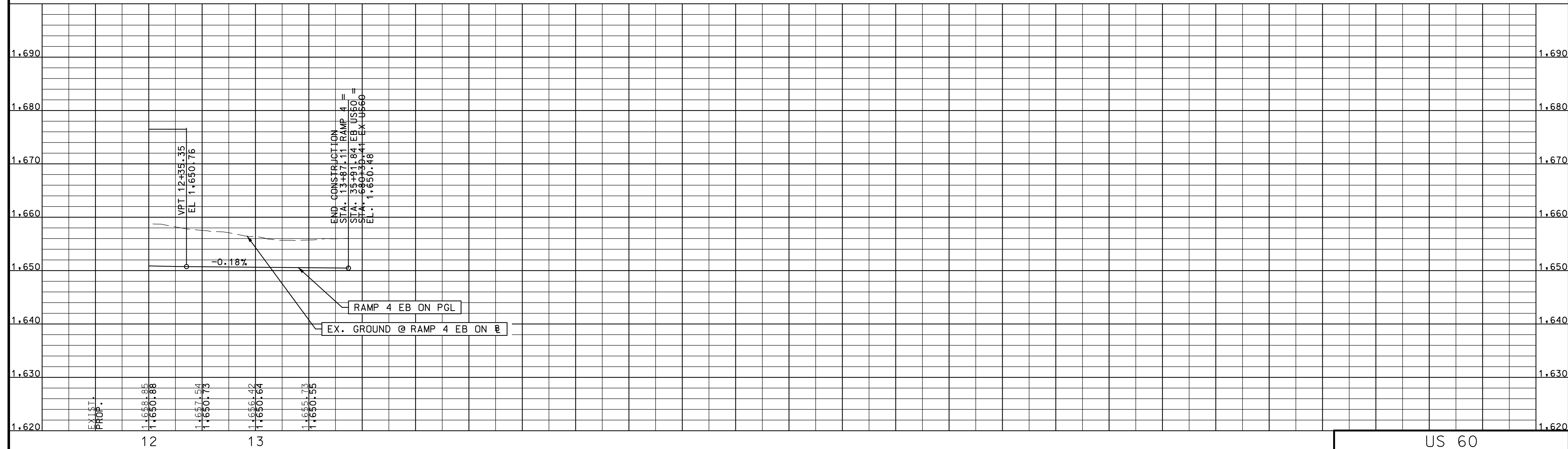


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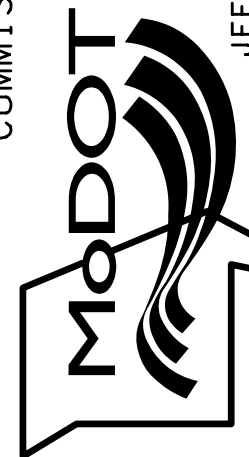
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60	M
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SW

WEBSTER

J7P3425C

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COMMISSION

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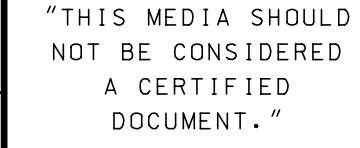
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US 60

PROFILE SHEET

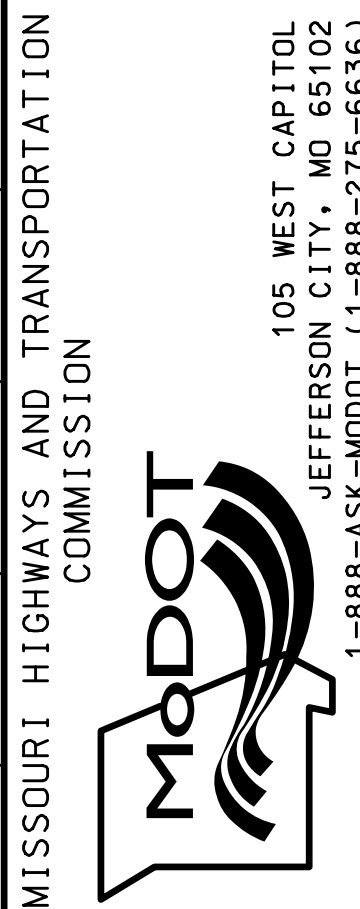
5 OF 10

ROUTE A

[illegible]

REV.

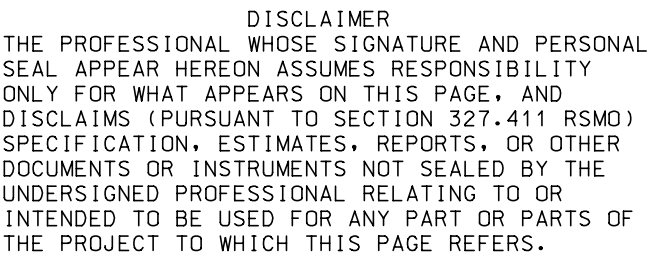
ROUTE A/NN



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PROFILE SHEET
6 OF 10

K = 82
900.00' V.C.



DATE PREPARED

ROUTE	STATE
-------	-------

DISTRICT	SHEET NO.
----------	-----------

SW	SS
COUNTY	

WEBSTER
JOB NO.

J7P3425C

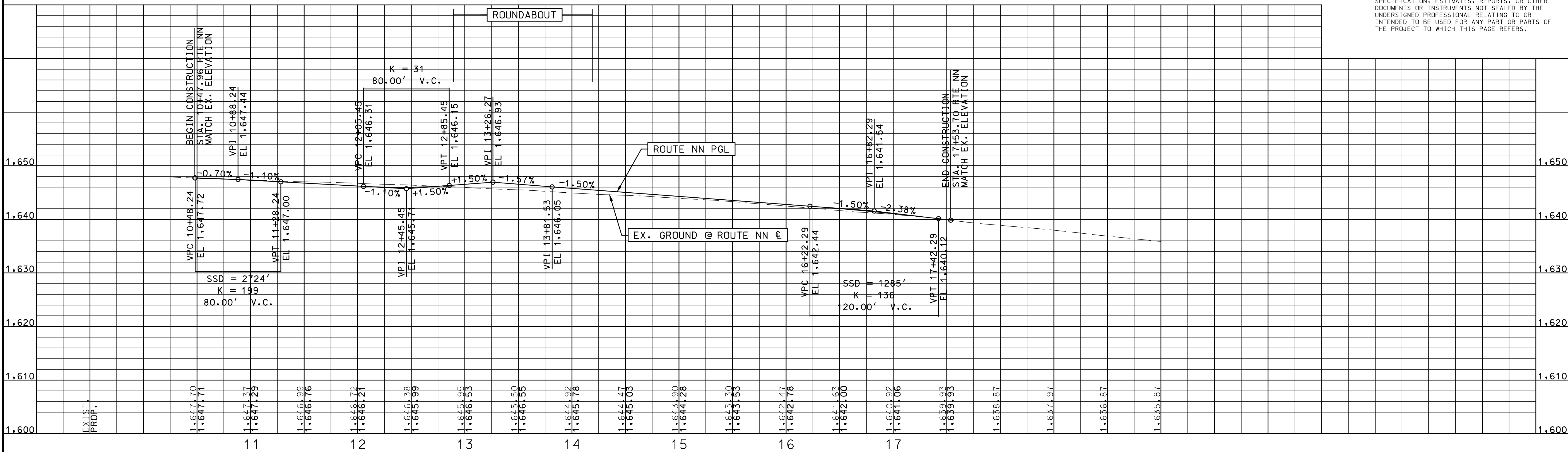
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REV.

EXISTING ROUTE NN



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ROUTE 60 STATE MO

DISTRICT SW SHEET NO. 34

COUNTY WEBSTER

JOB NO. J7P3425C

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

1,600

1,610

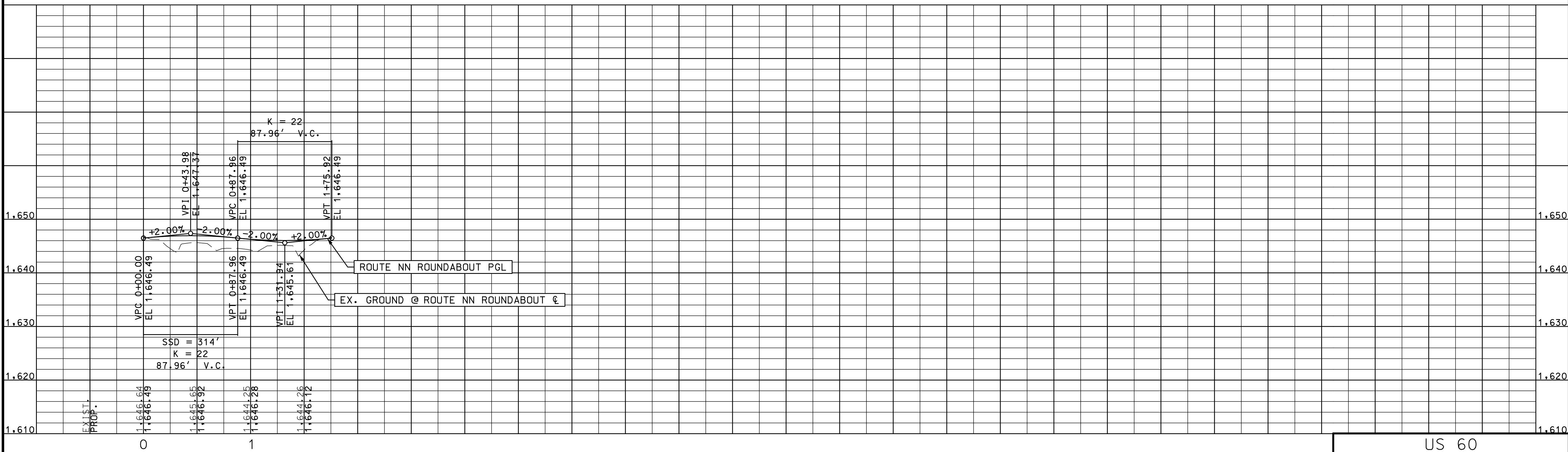
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1,630

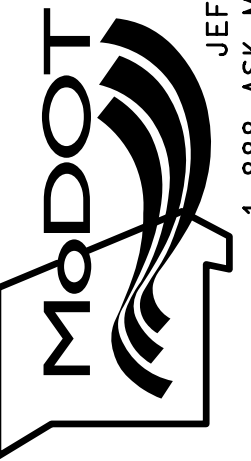
1,640

1,650

ROUTE NN ROUNDABOUT



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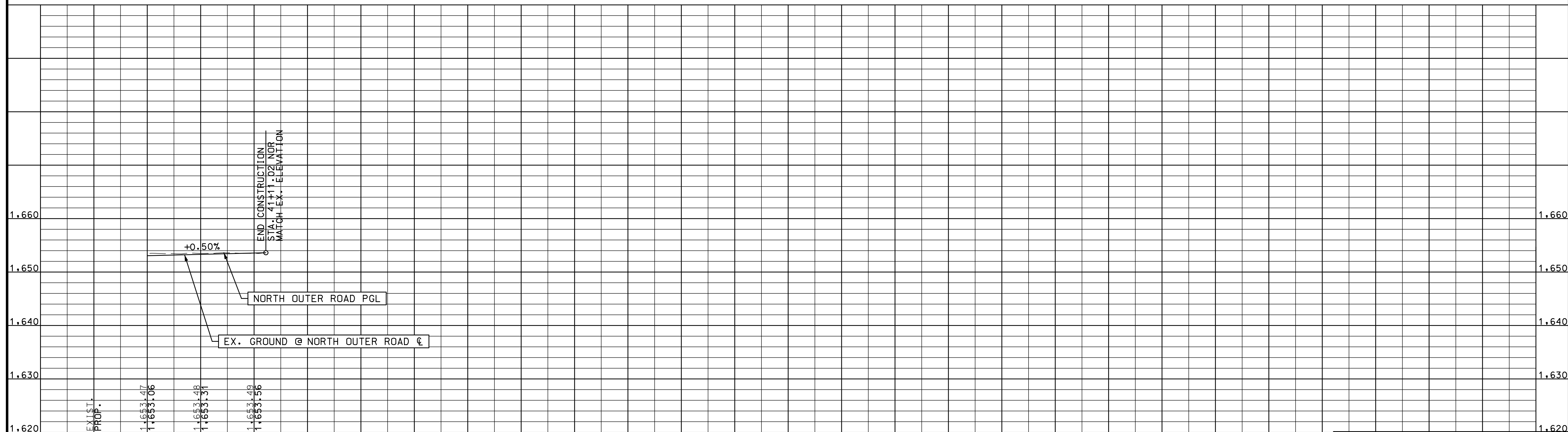
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US 60

PROFILE SHEET
8 OF 10

NORTH OUTER ROAD



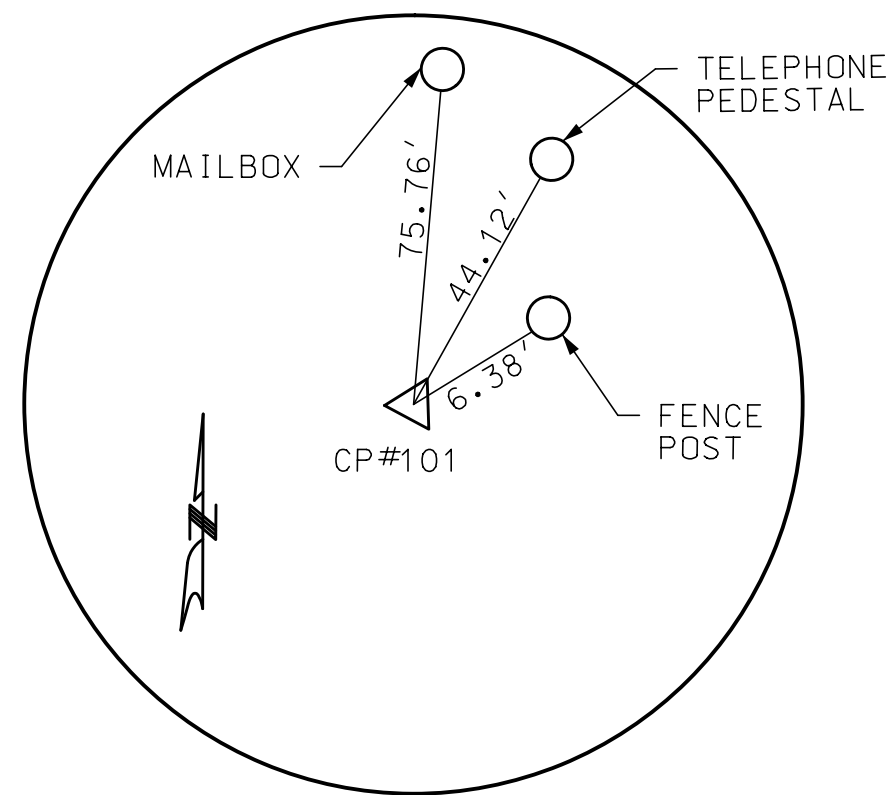
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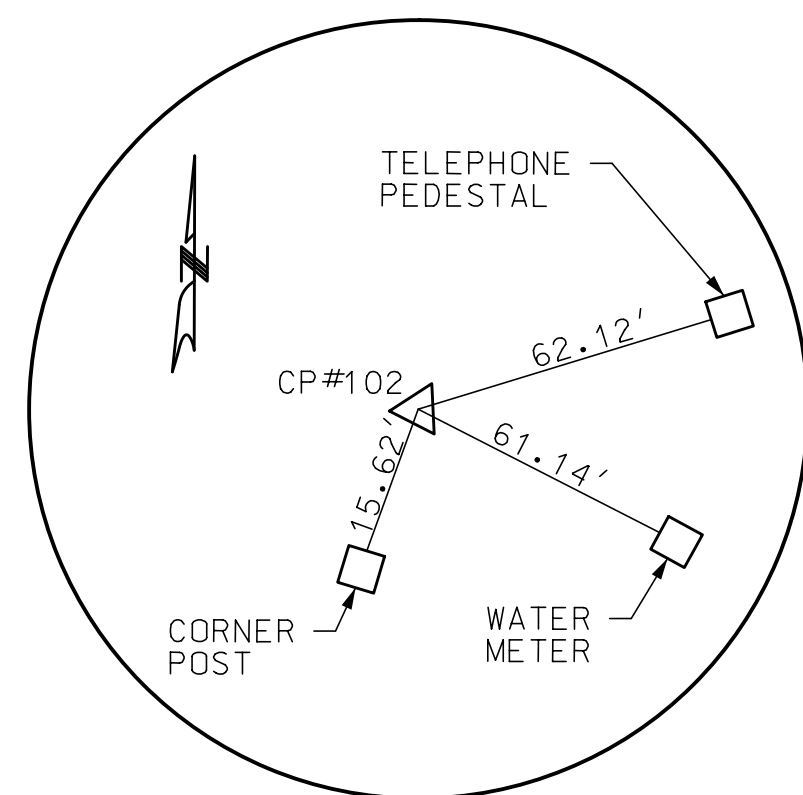
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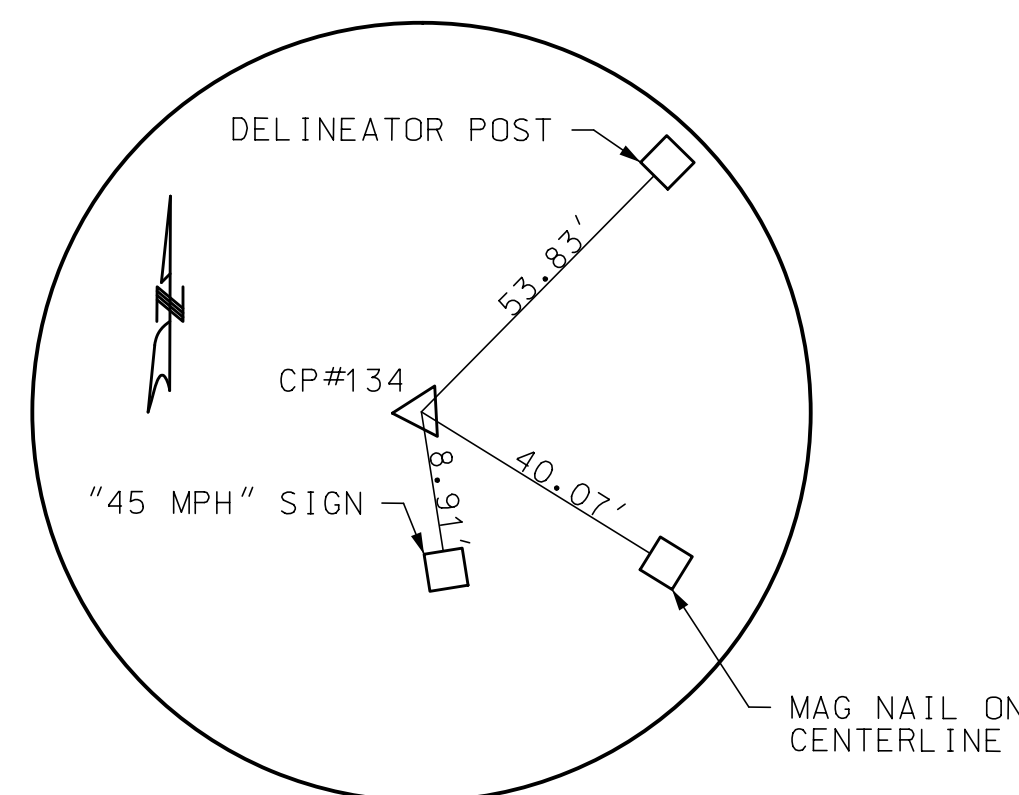
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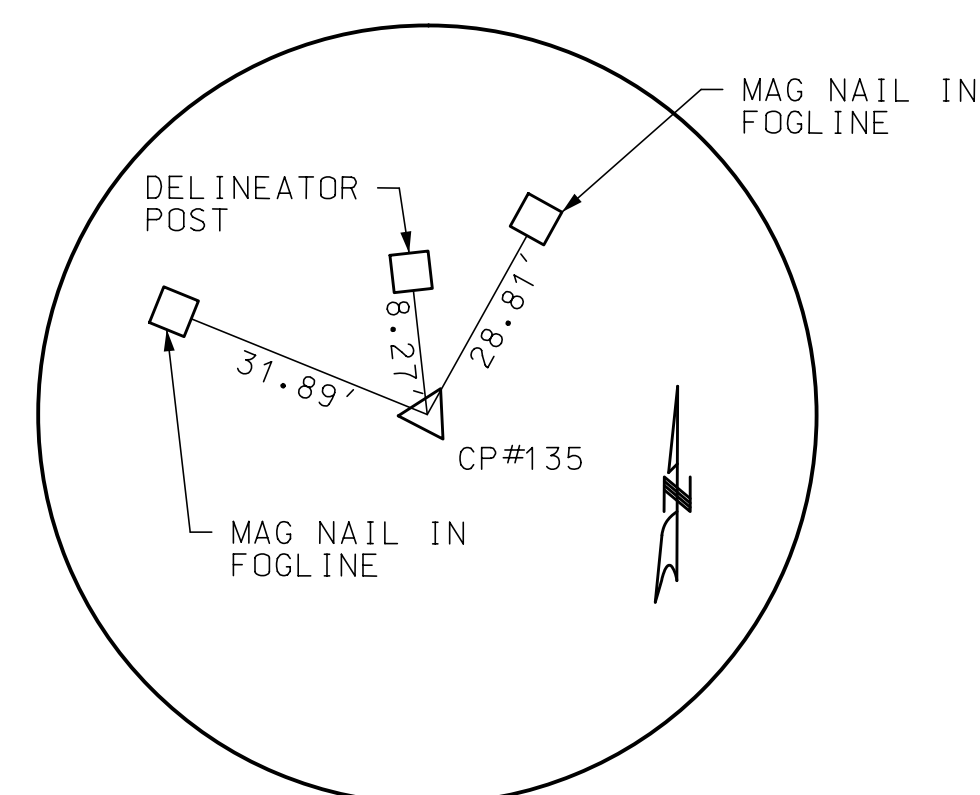
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N: 489554.2116
E: 1538265.7455
EL. 1650.9450
5/8" I.B. W/ 2" ALUMINUM CAP



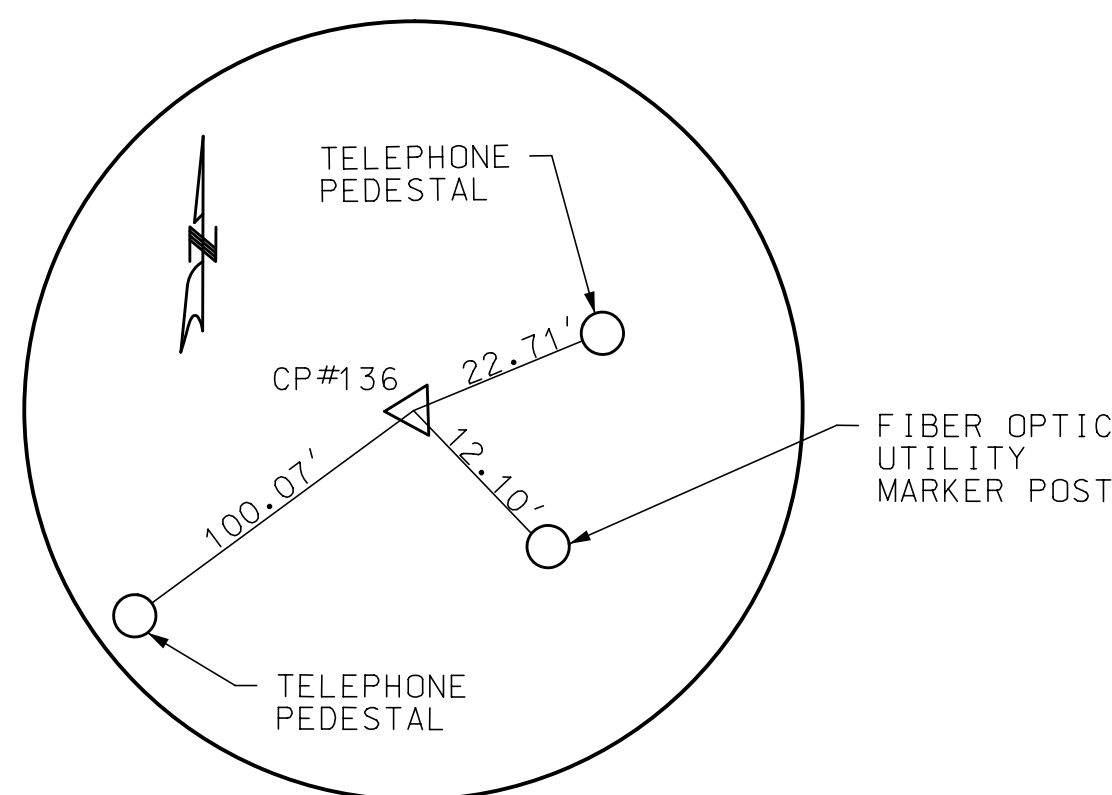
CONTROL POINT #102
N: 484708.4113
E: 1536961.9710
EL. 1627.8200
5/8" I.B. W/ 2" ALUMINUM CAP



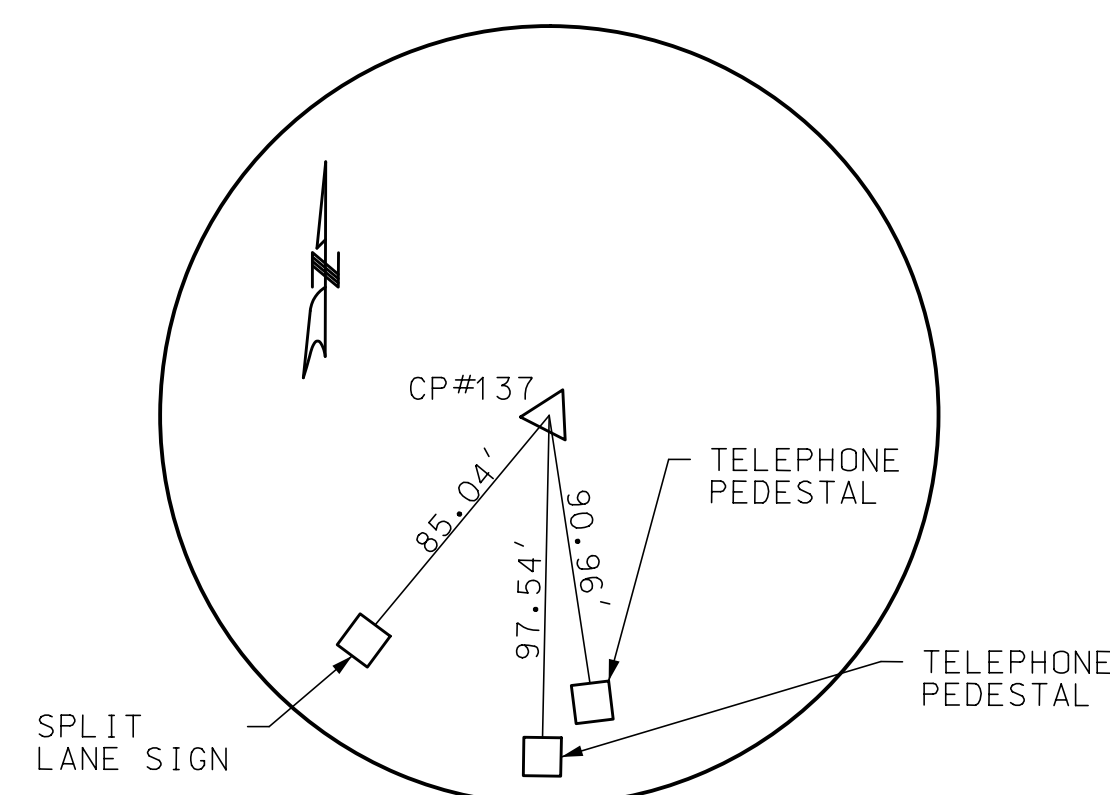
CONTROL POINT #134
N: 484310.8003
E: 1528454.8183
EL. 1658.7820
5/8" I.B. W/ 2" ALUMINUM CAP



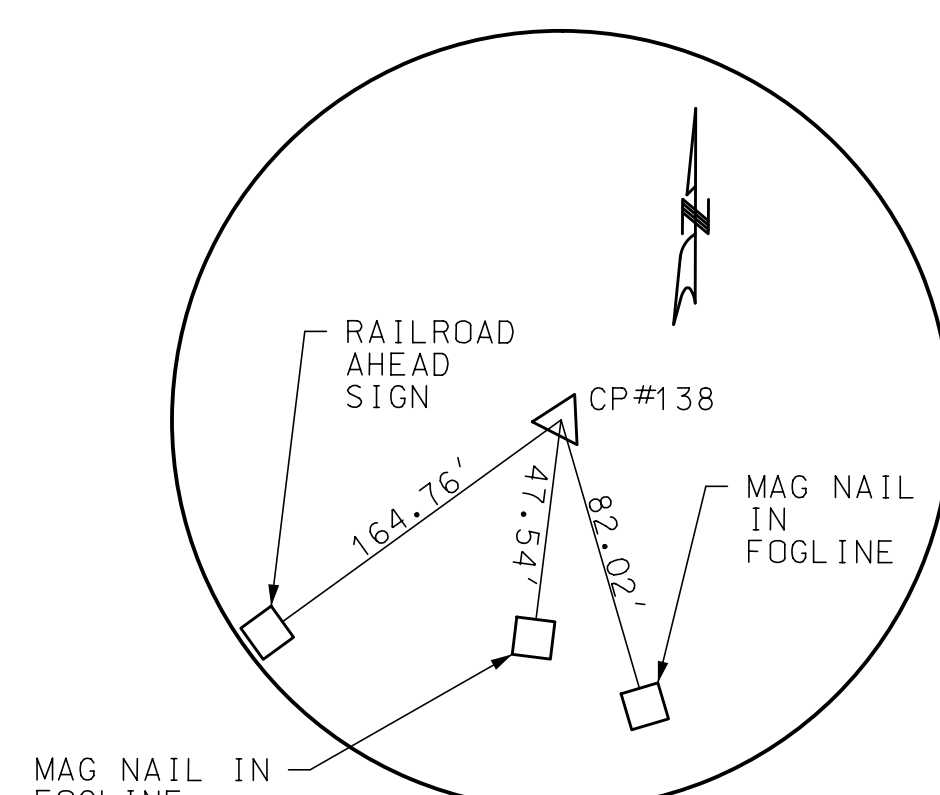
CONTROL POINT #135
N: 484813.8822
E: 1530024.1626
EL. 1636.7980
5/8" I.B. W/ 2" ALUMINUM CAP



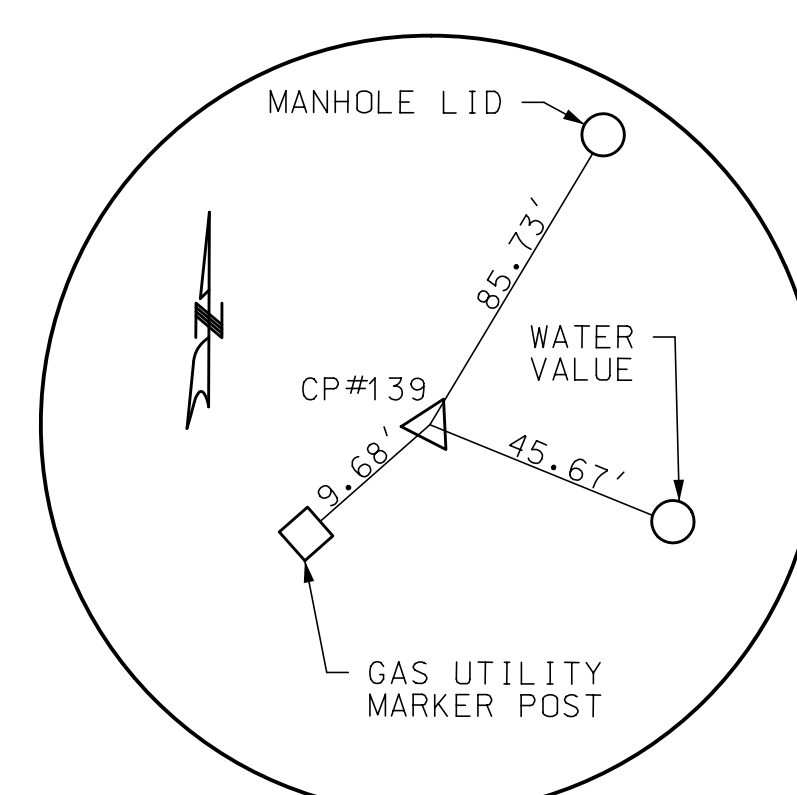
CONTROL POINT #136
N: 486431.5565
E: 1533139.1728
EL. 1676.1460
5/8" I.B. W/ 2" ALUMINUM CAP



CONTROL POINT #137
N: 487406.2123
E: 1534366.0016
EL. 1664.2490
5/8" I.B. W/ 2" ALUMINUM CAP



CONTROL POINT #138
N: 487960.1060
E: 1536437.3696
EL. 1657.0310
5/8" I.B. W/ 2" ALUMINUM CAP



CONTROL POINT #139
N: 487920.4740
E: 1537966.4101
EL. 1649.1560
5/8" I.B. W/ 2" ALUMINUM CAP

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60

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MO

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SHEET NO.

37

COUNTY

WEBSTER

JOB NO.

J7P3425C

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

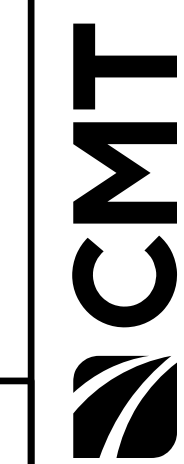
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US 60
REFERENCE POINTS
1 OF 1

SCALE

0 200 400 600 800



CURVE RTEAO1_3	
PI	55+36.07
PC	53+79.89
PT	56+85.47
Δ	29° 10' 49.7" (LT)
D	9° 32' 57.5"
L	305.58'
T	156.18'
R	600.00'
DS	45 MPH
emax	8%
e	8%

	CURVE RTEA01_6
PI	81+50.16
PC	78+05.40
PT	84+31.23
Δ	59° 45' 44.2" (LT)
D	9° 32' 57.5"
L	625.83'
T	344.75'
R	600.00'
DS	45 MPH
emax	8%
e	8%

	CURVE	NORE_3
PI	18+31.69	
PC	16+62.82	
PT	19+82.40	
Δ	45° 46'	34.3" (RT)
D	14° 19'	26.2"
L	319.58'	
T	168.87'	
R	400.00'	
DS	40 MPH	
e	NC (LSU)	

	CURVE R1WBON_1	
PI	0+70.26	
PC	0+00.00	
PT	1+40.42	
Δ	5° 09'	26.8" (LT)
D	3° 40'	22.1"
L	140.42'	
T	70.26'	
R	1,560.00'	
DS	50 MPH	
emax	8%	
e	6%	

	CURVE	R2EBOFF_4
PI	7+70.27	
PC	5+04.13	
PT	10+34.52	
Δ	11° 52'	14.7" (RT)
D	2° 14'	17.2"
L	530.39'	
T	266.15'	
R	2,560.00'	
DS	50 MPH	
emax	8%	
e	4%	

CURVE EB60_3	
PI	2+77.43
PC	1+80.65
PT	3+74.16
Δ	3° 31' 11.1" (LT)
D	1° 49' 08.1"
L	193.51'
T	96.78'
R	3,150.00'
DS	65 MPH
emax	8%
e	6%

	CURVE NORW_3	
PI	12+90.95	
PC	11+45.79	
PT	14+08.82	
Δ	60° 16'	53.8" (RT)
D	22° 55'	05.9"
L	263.03'	
T	145.16'	
R	250.00'	
DS	40 MPH	
e	NC (LSU)	

	CURVE	NORE_6
PI	38+87.46	
PC	38+17.68	
PT	39+57.02	
Δ	7° 59'	01.9" (LT)
D	5° 43'	46.5"
L	139.34'	
T	69.79'	
R	1,000.00'	
DS	40 MPH	
emax	8%	
e	5.9%	

CURVE R2EBOFF_1	
P1	0+80.54
PC	0+00.00
PT	1+60.99
Δ	4° 31' 17.6" (RT)
D	2° 48' 31.0"
L	160.99'
T	80.54'
R	2,040.00'
DS	50 MPH
emax	8%
e	5.2%

	CURVE R3WB0FF_3
PI	7+06.28
PC	2+11.97
PT	11+58.51
Δ	40° 46' 34.3" (RT)
D	4° 18' 28.6" (RT)
L	946.53'
T	494.31'
R	1,330.00'
DS	50 MPH
emax	8%
e	6.6%

CURVE EB60_6	
PI	15+98.70
PC	15+00.66
PT	16+96.67
Δ	3° 33' 54.8" (RT)
D	1° 49' 08.1"
L	196.01'
T	98.04'
R	3,150.00'
DS	65 MPH
emax	8%
e	6%

CURVE R3WBOFF_6	
PI	15+28.89
PC	14+16.95
PT	16+40.45
Δ	8° 12' 30.5" (LT)
D	3° 40' 22.1"
L	223.49'
T	111.94'
R	1,560.00'
DS	50 MPH
emax	8%
e	6%

	CURVE	EB60_9
PI	25+20.62	
PC	17+61.67	
PT	31+99.36	
Δ	45° 23'	05.3" (RT)
D	3° 09'	24.5"
L	1,437.69'	
T	758.95'	
R	1,815.00'	
DS	65 MPH	
emax	8%	
e	8%	

	CURVE	R4EBON_3
P1	10+02.15	
PC	6+07.58	
PT	13+87.11	
Δ	21° 53'	38.4" (RT)
D	2° 48'	31.0"
L	779.53'	
T	394.58'	
R	2,040.00'	
DS	50 MPH	
emax	8%	
e	5%	

CURVE EX_US60_13	
PI	620+04.47
PC	615+34.30
PT	624+66.30
Δ	18° 39' 55.5" (LT)
D	2° 00' 09.8"
L	932.00'
T	470.16'
R	2,860.89'
DS	65 MPH
emax	8%

SPIRAL	EX-US60-16
PI	662+50.21
Ls	250.00'
Ys	5.46'
Xs	249.89'
LT	166.70'
ST	83.37'
DS	65 MPH
e	NC (OR)

	CURVE EX_US60_17
PI	669+89.61
PC	663+33.51
CS	675+97.41
Δ	3° 56' 20.5" (RT)
D	37' 00" 06.3"
L	1,263.90'
T	656.10'
R	1,908.75'
DS	65 MPH
emax	8%

SPIRAL	EX-US60-18
PI	676+80.78
Ls	250.00
Ys	5.46'
Xs	249.89'
LT	166.70'
ST	83.37'
DS	65 MPH
e	NC (OR)

DATE PREPARED	
9/27/2022	
ROUTE	STATE
60	MO
DISTRICT	SHEET NO.
SW	38
COUNTY	
WEBSTER	
JOB NO.	
J7P3425C	
CONTRACT ID.	

BRIDGE NO.

DATE _____

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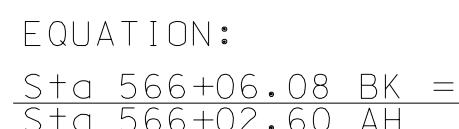
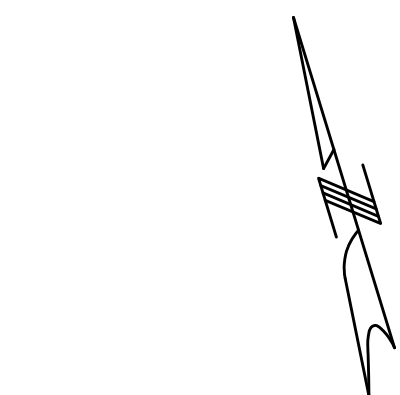
[illegible]

REV.

US 60/ROUTE A INTERCHANGE COORDINATE POINTS 1 OF 4

SCALE

0 500 1000 1500 2000



CURVE PR_SOR_3	
PI	10+34.88
PC	6+09.45
PT	14+13.49
Δ	46° 17' 59.0" (LT)
L	5° 45' 30.1"
D	804.04'
T	425.43'
R	995.00'
DS	45 MPH
emax	6%
e	5.4%

CURVE	PR_SOR_12
PI	43+32.68
PC	41+10.13
PT	45+48.02
Δ	25° 12' 56.0" (RT)
D	5° 45' 30.1"
L	437.89'
T	222.55'
R	995.00'
DS	45 MPH
emax	6%
e	5.4%

CURVE	PR_SOR_21
PI	92+33.37
PC	90+50.06
PT	94+12.62
Δ	20° 52' 37.9" (RT)
L	5° 45' 30.1"
D	362.55'
T	183.31'
R	995.00'
DS	45 MPH
emax	6%
e	5.4%

CURVE	PR_SOR_30
PI	125+82.72
PC	121+04.15
PT	130+40.53
Δ	29° 09' 28.9" (LT)
D	3° 06' 50.0"
L	936.38'
T	478.56'
R	1,840.00'
DS	45 MPH
emax	6%
e	4%

CURVE	EX_US60_10
PI	560+97.78
PC	555+84.67
PT	566+06.08
Δ	13° 35' 05.9" (LT)
D	1° 19' 48.1"
L	1,021.40'
T	513.11'
R	4,307.85'
DS	45 MPH
emax	8%

CURVE	PR_SOR_6
PI	21+91.28
PC	17+62.01
PT	25+72.53
Δ	46° 40' 21.9" (RT)
D	5° 45' 30.1"
L	810.52'
T	429.26'
R	995.00'
DS	45 MPH
emax	6%
e	5.4%

CURVE	PR_SOR_15
PI	60+26.12
PC	55+43.04
PT	65+00.03
Δ	19° 18' 24.9" (RT)
D	2° 01' 02.8"
L	956.99'
T	483.08'
R	2,840.00'
DS	45 MPH
emax	6%
e	3%

CURVE	PR_SOR_24
PI	101+17.78
PC	98+33.81
PT	103+87.04
Δ	31° 51' 26.1" (LT)
D	5° 25' 30.1"
L	553.23'
T	283.97'
R	995.00'
DS	45 MPH
emax	6%
e	5.4%

CURVE	PR_SOR_33
PI	167+06.54
PC	163+28.20
PT	170+60.82
Δ	35° 16' 26.4" (RT)
D	4° 48' 53.2"
L	732.62'
T	378.34'
R	1,190.00'
DS	45 MPH
emax	6%
e	5%

CURVE EX-US60_13	
PI	620+04.47
PC	615+34.30
PT	624+66.30
Δ	18° 39' 55.5" (LT)
D	2° 00' 09.8"
L	932.00'
T	470.16'
R	2,860.89'
DS	45 MPH
emax	8%

CURVE	PR_SOR_9
PI	36+17.81
PC	33+35.80
PT	38+85.39
Δ	31° 38' 51.1" (LT)
D	5° 45' 30.1"
L	549.59'
R	282.00'
T	995.00'
DS	45 MPH
emax	6%
e	5.4%

CURVE	PR_SOR_18
PI	78+69.26
PC	68+80.16
PT	87+39.22
Δ	48° 24' 59.8" (LT)
D	2° 36' 15.7"
L	1,859.06'
T	989.10'
R	2,200.00'
DS	45 MPH
emax	6%
e	3.6%

CURVE	PR_SOR_27
PI	109+45.18
PC	106+11.69
PT	112+55.26
Δ	37° 03' 33.2" (RT)
D	5° 45' 30.1"
L	643.57'
T	333.49'
R	995.00'
DS	45 MPH
emax	6%
e	5.4%

CURVE	PR_SOR_36
PI	178+36.38
PC	175+91.02
PT	180+74.96
Δ	23° 18' 01.0" (LT)
D	4° 48' 53.2"
L	483.93'
R	245.36'
T	1,190.00'
DS	45 MPH
emax	6%
e	5%

SOUTH OUTER ROAD COORDINATE POINTS 2 OF 4

The logo for the Missouri Highways Authority (MoDOT) is located in the bottom right corner. It features the text "MISSOURI HIGHWAYS AUTHORITY" in a stacked, sans-serif font. To the right of the text is a stylized graphic of a road or highway with a curved arrow pointing upwards and to the right, symbolizing progress and infrastructure.

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ROUTE	STATE
60	MO
DISTRICT	SHEET NO.
SW	39
COUNTY	
WEBSTER	
JOB NO.	
J7P3425C	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



105 WEST CAPITOL
JEFFERSON CITY, MO 65102

[illegible]

REV.

COORDINATE POINT LISTING										
SHEET NO	STATION	LOCATION	OFFSET	STATE PLANE		MOD. STATE PLANE			DESCRIPTION	GPK POINT ID
				NORTHING (US SURVEY FEET)	EASTING (US SURVEY FEET)	NORTHING (US SURVEY FEET)	EASTING (US SURVEY FEET)	ELEVATION (US SURVEY FEET)		
PROJECT CONTROL POINTS										
37	695+62.26	EX. US 60	1793.02' LT	484643.86	1538060.88	484708.41	1538265.75	1650.95	5/8" I.B. W/2" ALUMINUM CAP	101
37	690+82.84	EX. US 60	3202.43' RT	484643.86	1536757.27	484708.41	1536961.97	1627.82	5/8" I.B. W/2" ALUMINUM CAP	102
37	589+95.78	EX. US 60	89.93' RT	484246.30	1528251.25	484310.80	1528454.82	1658.78	5/8" I.B. W/2" ALUMINUM CAP	134
37	606+43.83	EX. US 60	73.78' RT	484749.31	1529820.39	484813.88	1530024.16	1636.80	5/8" I.B. W/2" ALUMINUM CAP	135
\$RP2\$	641+55.76	EX. US 60	149.31' RT	486366.77	1532934.99	486431.56	1533139.17	1676.15	5/8" I.B. W/2" ALUMINUM CAP	136
\$RP2\$	13+26.36	EB US 60	28.25' RT	487341.30	1534161.65	487406.21	1534366.00	1664.25	5/8" I.B. W/2" ALUMINUM CAP	137
\$RP2\$	35+86.57	EB US 60	8.9636' LT	487895.12	1536232.74	487960.11	1536437.37	1657.03	5/8" I.B. W/2" ALUMINUM CAP	138
\$RP2\$	695+38.57	EX. US 60	132.14' LT	487855.49	1537761.58	487920.47	1537966.41	1649.16	5/8" I.B. W/2" ALUMINUM CAP	139
ALIGNMENTS										
38	50+00.00	ROUTE A	0.00	489475.27	1534356.38	489540.47	1534560.76	-	POT ROUTE A	1
38	53+79.89	ROUTE A	0.00	489095.51	1534348.75	489160.65	1534553.12	-	PC ROUTE A	2
38	56+85.47	ROUTE A	600.00' LT	489083.45	1534948.54	489148.60	1535153.00	-	CC OF CURVE ROUTE A	3
38	55+32.68	ROUTE A	19.9935' RT	488939.38	1534345.61	489004.51	1534549.99	1625.59	PI ROUTE A	4
38	56+85.47	ROUTE A	0.00	488864.67	1534344.12	488929.79	1534548.49	1613.63	PT ROUTE A	5
38	78+05.40	ROUTE A	0.00	486930.50	1535415.07	486995.36	1535619.59	1633.02	PC ROUTE A	6
38	78+05.40	ROUTE A	600' LT	487212.42	1535944.63	487277.32	1536149.21	1640.93	CC OF CURVE ROUTE A	7
38	3+12.91	ROUTE A	91.993' RT	486626.23	1535577.06	486691.05	1535781.60	1610.02	PI OF ROUTE A	8
38	84+31.23	ROUTE A	0.00	486612.95	1535921.51	486677.76	1536126.09	1625.07	PT OF ROUTE A	9
38	94+52.22	ROUTE A	0.00	486573.61	1536941.60	486638.42	1537146.32	1645.93	POT ROUTE A	10
38	12+63.87	ROUTE NN	0.00						POT ROUTE NN	
38	9+00.00	NOR WEST	0.00	488069.50	1534321.47	488134.51	1534525.84	1648.26	POT NOR WEST	11
38	11+45.79	NOR WEST	0.00	488315.15	1534328.71	488380.19	1534533.09	1636.88	PC NOR WEST	12
38	11+45.79	NOR WEST	250.00' RT	488307.79	1534578.23	488372.84	1534782.64	1630.39	CC OF CURVE NOR WEST	13
38	12+77.31	NOR WEST	39.0862' LT	488460.23	1534332.99	488525.29	1534537.36	1630.30	PI NOR WEST	14
38	14+08.82	NOR WEST	0.00	488528.43	1534461.11	488593.50	1534665.50	1629.59	PT NOR WEST	15
38	15+00.00	NOR WEST	0.00	488571.27	1534541.58	488636.35	1534745.98	1626.61	POT NOR WEST	16
38	15+00.00	NOR EAST	0.00						POT NOR EAST	
38	16+62.82	NOR EAST	0.00	488647.77	1534685.28	488712.86	1534889.70	1619.47	PC NOR EAST	17
38	16+62.82	NOR EAST	400.00' RT	488294.74	1534873.23	488359.78	1535077.67	1635.12	CC OF CURVE NOR EAST	18
38	18+22.61	NOR EAST	34.185' LT	488727.12	1534834.32	488792.22	1535038.76	1621.21	PI NOR EAST	19
38	19+82.40	NOR EAST	0.00	488675.65	1534995.14	488740.75	1535199.60	1632.26	PT NOR EAST	20
38	38+17.68	NOR EAST	0.00	488116.32	1536742.85	488181.33	1536947.54	1652.15	PC NOR EAST	21
38	38+17.68	NOR EAST	1000' RT	489068.60	1537047.62	489133.75	1537252.35	1652.85	CC OF CURVE NOR EAST	22
38	38+37.35	NOR EAST	2.432' LT	488095.05	1536809.30	488160.06	1537014.01	1652.50	PI NOR EAST	23
38	39+57.02	NOR EAST	0.00	488083.21	1536878.07	488148.23	1537082.78	1653.11	PT NOR EAST	24
38	41+11.02	NOR EAST	0.00	488057.10	1537029.82	488122.11	1537234.55	1653.62	POT NOR EAST	25
38	0+00.00	RAMP 1	0.00	487360.84	1534005.60	487425.76	1534209.93	1664.62	PC RAMP 1 WB ON	26
38	0+95.85	RAMP 1	2.9494' RT	487417.00	1534083.41	487481.93	1534287.75	1663.78	PI RAMP 1 WB ON	27
38	1+91.70	RAMP 1	1560.00' LT	488625.58	1533092.71	488690.67	1533296.91	1663.06	CC OF CURVE RAMP 1 WB ON	28
38	1+91.70	RAMP 1	0.00	487482.28	1534153.75	487547.21	1534358.10	1661.03	PT RAMP 1 WB ON	29
38	10+75.35	RAMP 1	0.00	488083.30	1534801.36	488148.31	1535005.80	1642.32	POT RAMP 1 WB ON	30
38	0+00.00	RAMP 3	0.00						POT RAMP 3 WB OFF	
38	2+11.97	RAMP 3	0.00	488166.20	1534996.41	488231.22	1535200.87	1641.34	PC RAMP 3 WB OFF	31
38	4+73.27	RAMP 3	88.8871' LT	488359.56	1535451.27	488424.61	1535655.79	1662.60	PI RAMP 3 WB OFF	32
38	2+11.97	RAMP 3	1300.00' RT	486942.37	1535516.65	487007.23	1535721.18	1675.41	CC OF CURVE RAMP 3 WB OFF	33
38	11+58.51	RAMP 3	0.00	488208.91	1535921.99	488273.94	1536126.58	1658.46	PT RAMP 3 WB OFF	34
38	14+16.95	RAMP 3	0.00	488130.14	1536168.11	488195.16	1536372.72	1656.31	PC RAMP 3 WB OFF	35
38	14+16.95	RAMP 3	1560.00' LT	489615.71	1536643.55	489680.93	1536848.23	1656.31	CC OF CURVE RAMP 3 WB OFF	36
38	15+28.70	RAMP 3	4.0109' RT	488096.03	1536274.70	488161.04	1536479.34	1655.39	PI RAMP 3 WB OFF	37
38	16+40.45	RAMP 3	0.00	488077.48	1536385.08	488142.49	1536589.73	1654.46	PT RAMP 3 WB OFF	38
38	0+00.00	RAMP 2	0.00	487151.18	1533993.99	487216.07	1534198.32	1667.76	PC RAMP 2 EB OFF	39
38	0+80.49	RAMP 2	1.5891' LT	487202.31	1534056.19	487267.21	1534260.53	1662.99	PI RAMP 2 EB OFF	40
38	1+60.99	RAMP 2	2040.00' RT	485576.09	1535288.68	485640.76	1535493.18	1662.57	CC OF CURVE RAMP 2 EB OFF	41
38	1+60.99	RAMP 2	0.00	487248.39	1534122.24	487313.29	1534326.58	1662.57	PT RAMP 2 EB OFF	42
38	5+04.13	RAMP 2	0.00	487444.68	1534403.62	487509.61	1534608.01	1665.01	PC RAMP 2 EB OFF	43
38	7+69.32	RAMP 2	13.7977' RT	487596.94	1534621.88	487661.89	1534826.29	1674.88	PI RAMP 2 EB OFF	44
38	5+04.14	RAMP 2	2560' LT	485345.38	1535868.13	485410.03	1536072.71	1665.01	CC OF CURVE RAMP 2 EB OFF	45
38	10+34.52	RAMP 2	0.00	487701.04	1534866.78	487766.01	1535071.22	1687.49	PT RAMP 2 EB OFF	46
38	11+56.88	RAMP 2	0.00	487748.91	1534979.38	487813.88	1535183.84	1690.81	POT RAMP 2 EB OFF	47
38	0+00.00	RAMP 4	0.00						POT RAMP 4 EB ON	
38	6+07.58	RAMP 4	0.00	487879.00	1535572.78	487943.99	1535777.32	1668.80	PC RAMP 4 EB ON	48
38	6+07.58	RAMP 4	2040.00' RT	485886.60	1536009.59	485951.32	1536214.19	1668.80	CC OF CURVE RAMP 4 EB ON	49
38	9+97.34	RAMP 4	37.8093' LT	487963.49	1535958.15	488028.49	1536162.74	1654.11	PI RAMP 4 EB ON	50
38	13+87.11	RAMP 4	0.00	487898.18	1536347.24	487963.17	1536551.88	1650.48	PT RAMP 4 EB ON	51

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 BAC K TO STATE PLANE COORDINATES, MULTIPLY THE PROJECT COORDINATES BY THE AVERAGE GRID FACTOR AS SHOWN IN THE "REFERENCE CONTROL INFORMATION" PORTION OF THIS TABLE.

PROJECT COORDINATE INFORMATION	
COORDINATE SYSTEM	MISSOURI STATE PLANE
HORIZONTAL DATUM	NAD83
VERTICAL DATUM	NAVD88
GEOID MODEL	GEOID 18
ELEVATIONS DETERMINED BY	OPUS FOR PRIMARY CONTROL POINT 104
PROJECT PROJECTION FACTOR	1.0001332
REFERENCE CONTROL INFORMATION	
COORDINATE SYSTEM	MISSOURI STATE PLANE
CONTROL STATION	MODOT GNSS
DESIGNATION	
CORS_ID	
PID	
LATITUDE	
LONGITUDE	
NORTHING (M)	
EASTING (M)	
ZONE	CENTRAL
PROJECT AVERAGE GRID FACTOR	0.9998668177
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 #[1] N [489540.47] X [0.9998668177] = N [489475.27] E [1534560.76] X [0.9998668177] = E [1534356.38]	
LINEAR UNIT CONVERSION	
1 METER = 3.280833333 US SURVEY FEET (USFT)	

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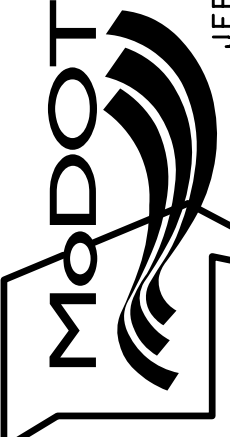
"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED 9/27/2022	
ROUTE 60	STATE MO
DISTRICT SW	SHEET NO. 40
COUNTY WEBSTER	
JOB NO. J7P3425C	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

DESCRIPTION									
-------------	--	--	--	--	--	--	--	--	--

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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



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6831 WEST ELDORADO STREET
SPRINGFIELD, MO 65807 (417) 869-6009
ENGINEERING CORPORATION - 000631

US 60/ROUTE A
INTERCHANGE
COORDINATE POINTS
3 OF 4

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VERTICAL DATUM	NAVD88
GEOID MODEL	GEOID 18
ELEVATIONS DETERMINED BY	OPUS FOR PRIMARY CONTROL POINT 104
PROJECT PROJECTION FACTOR	1.0001332

REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM	MISSOURI STATE PLANE
CONTROL STATION	MODOT GNSS
DESIGNATION	
CORS_ID	
PID	
LATITUDE	
LONGITUDE	
NORTHING (M)	
EASTING (M)	
ZONE	CENTRAL
PROJECT AVERAGE GRID FACTOR	0.9998668177

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

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E [1534560.76] X [0.9998668177] = E [1534356.38]

L INEAR UNIT CONVERSION
1 METER = 3.280833333 US SURVEY FEET (USFT)

ROUTE 60
COORDINATE POINTS
4 OF 4

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ROUTE 60
COORDINATE POINTS
4 OF 4

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ROUTE 60
COORDINATE POINTS
4 OF 4

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ROUTE 60
COORDINATE POINTS
4 OF 4

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ZONE	CENTRAL
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ROUTE 60
COORDINATE POINTS
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NORTHING (M)	
EASTING (M)	
ZONE	CENTRAL
PROJECT AVERAGE GRID FACTOR	0.9998668177

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 #[1]

N [489540.47] X [0.9998668177] = N [489475.27]

E [1534560.76] X [0.9998668177] = E [1534356.38]

L INEAR UNIT CONVERSION
1 METER = 3.280833333 US SURVEY FEET (USFT)

ROUTE 60
COORDINATE POINTS
4 OF 4

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PROJECT COORDINATE INFORMATION

COORDINATE SYSTEM	MISSOURI STATE PLANE
HORIZONTAL DATUM	NAD83
VERTICAL DATUM	NAVD88
GEOID MODEL	GEOID 18
ELEVATIONS DETERMINED BY	OPUS FOR PRIMARY CONTROL POINT 104
PROJECT PROJECTION FACTOR	1.0001332

REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM	MISSOURI STATE PLANE
CONTROL STATION	MODOT GNSS
DESIGNATION	
CORS_ID	
PID	
LATITUDE	
LONGITUDE	
NORTHING (M)	
EASTING (M)	
ZONE	CENTRAL
PROJECT AVERAGE GRID FACTOR	0.9998668177

EXAMPLE OF PROJECT COORDINATE TO S.P.C.

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ROUTE 60
COORDINATE POINTS
4 OF 4

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ELEVATIONS DETERMINED BY	OPUS FOR PRIMARY CONTROL POINT 104
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REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM	MISSOURI STATE PLANE
CONTROL STATION	MODOT GNSS
DESIGNATION	
CORS_ID	
PID	
LATITUDE	
LONGITUDE	
NORTHING (M)	
EASTING (M)	
ZONE	CENTRAL
PROJECT AVERAGE GRID FACTOR	0.9998668177

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ROUTE 60
COORDINATE POINTS
4 OF 4

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DESIGNATION	
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LATITUDE	
LONGITUDE	
NORTHING (M)	
EASTING (M)	
ZONE	CENTRAL
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ROUTE 60
COORDINATE POINTS
4 OF 4

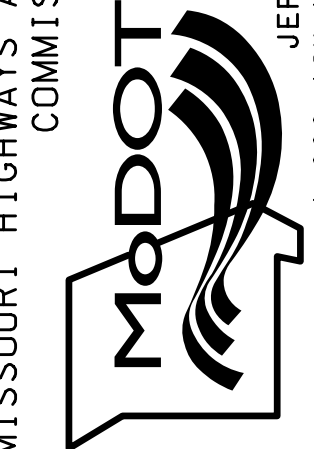
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DATE

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G020-1
1



W020-1
2



W020-1
2b

ROUTE A
NB



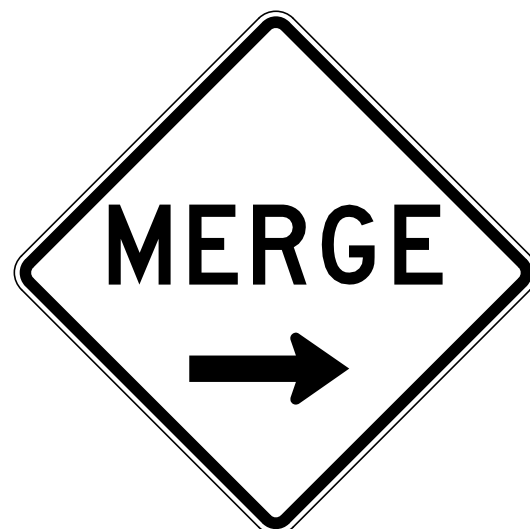
W020-6a
6L



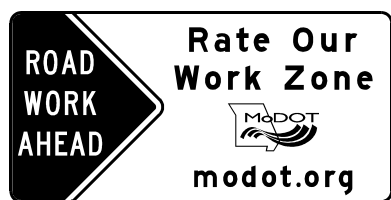
W020-6a
6R



W04-1 aL
7L



W04-1 aL
7R



CONST-7-48
9



SPECIAL
9a



W020-5
10L



W020-5
10R



W020-2
11



W020-3a
12



R11-4
13



M04-8



M3--



M1--



M.--

14N



M04-8



M3--

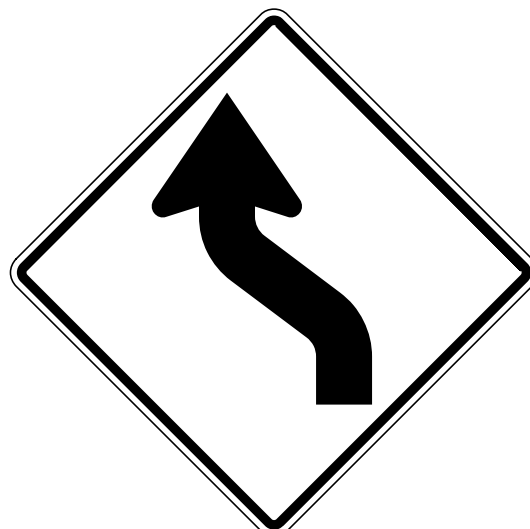


M1--

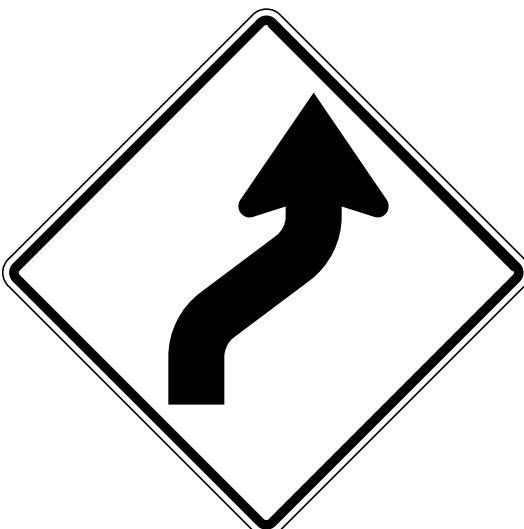


M.--

14S



W01-4L
15a



W01-4R
15b



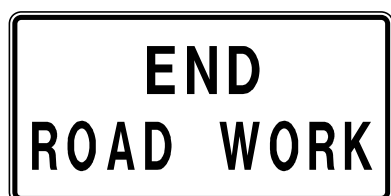
M04-10L
17L



M04-10R
17R



W021-5
21



G020-2
26



R11-2
29



W05-1
34



W013-1
44a



W013-1
44b



W013-1
44c

US 60
SIGN LEGEND
TRAFFIC CONTROL
1 OF 26

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ROUTE 60 STATE MO
DISTRICT SW SHEET NO. 44

COUNTY
WEBSTER

JOB NO.
J7P3425C

CONTRACT ID.

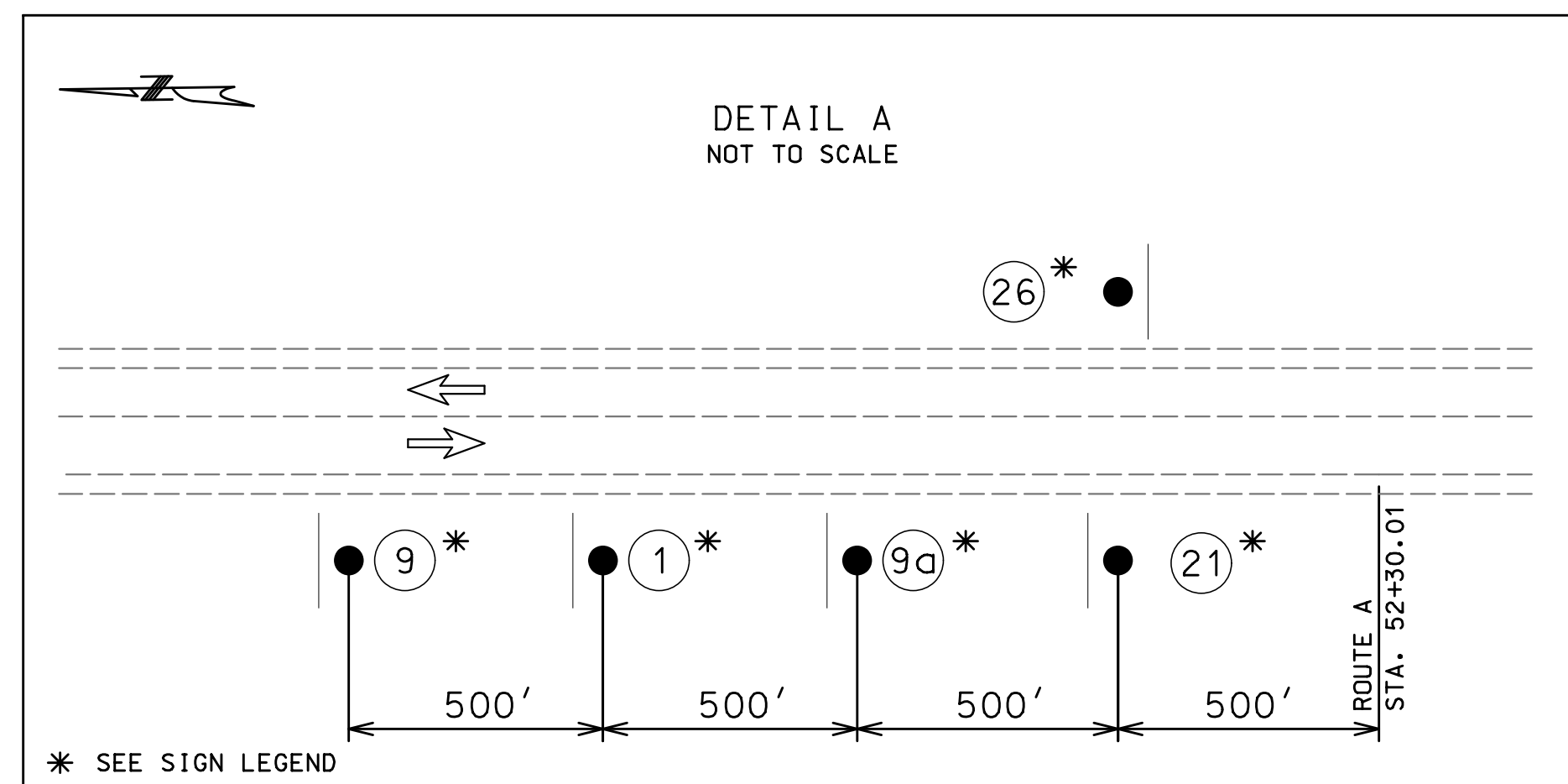
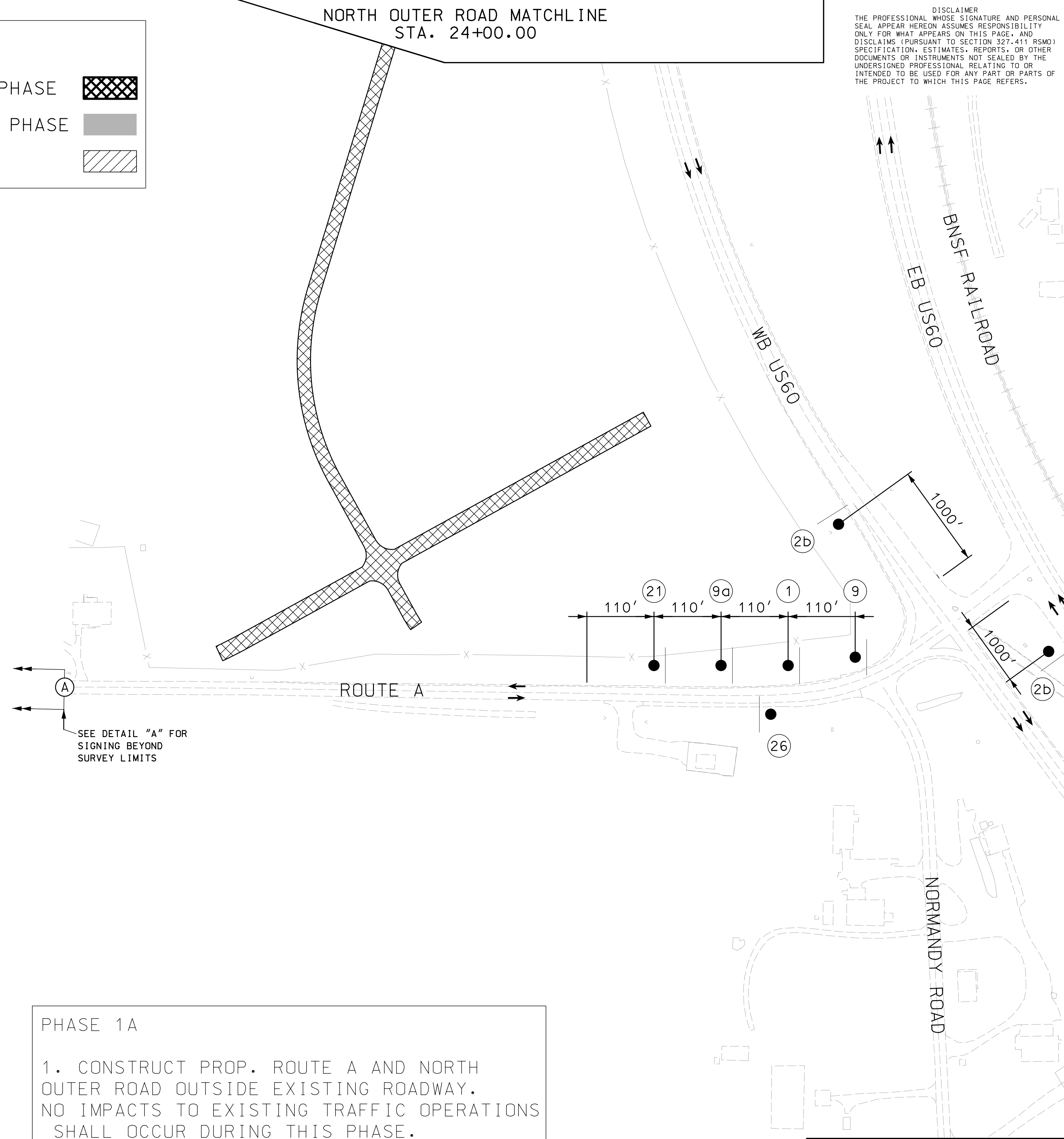
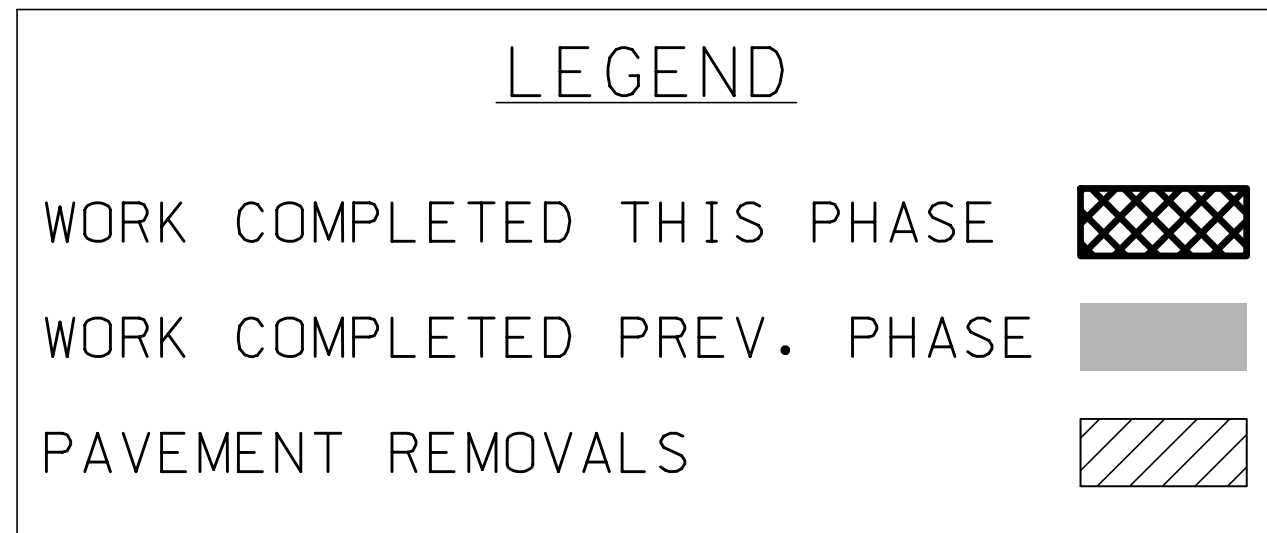
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BRIDGE NO.

DESCRIPTION	DATE

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1. CONSTRUCT PROP. ROUTE A AND NORTH OUTER ROAD OUTSIDE EXISTING ROADWAY. NO IMPACTS TO EXISTING TRAFFIC OPERATIONS SHALL OCCUR DURING THIS PHASE.
2. WORK ZONE SIGNING ALONG ROUTE A AND US60 EASTBOUND AND WESTBOUND

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60	MO

DISTRICT	SHEET NO.
SW	45

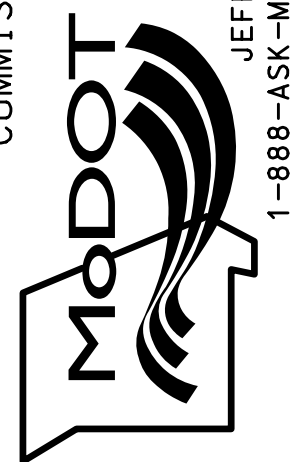
COUNTY
WEBSTER

JOB NO.
J7P3425C

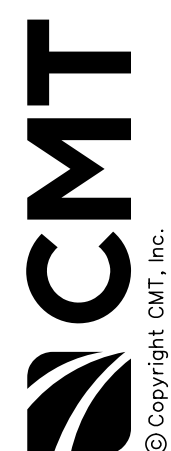
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BRIDGE NO.

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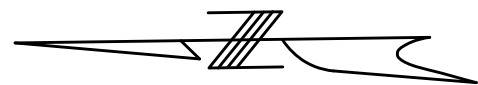
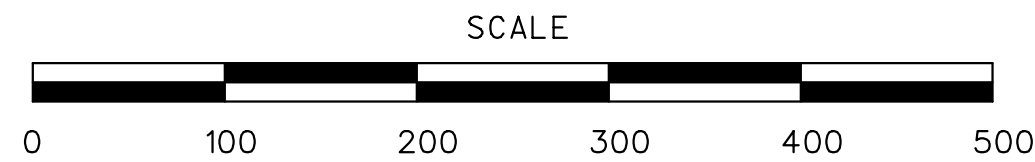
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US 60

PHASE 1 A

TRAFFIC CONTROL
2 OF 26



LEGEND

- WORK COMPLETED THIS PHASE
- WORK COMPLETED PREV. PHASE
- PAVEMENT REMOVALS

PHASE 1A

1. CONSTRUCT PROP. ROUTE A AND NORTH OUTER ROAD OUTSIDE EXISTING ROADWAY. NO IMPACTS TO EXISTING TRAFFIC OPERATIONS SHALL OCCUR DURING THIS PHASE.
2. WORK ZONE SIGNING ALONG ROUTE A AND US60 EASTBOUND AND WESTBOUND

NORTH OUTER ROAD MATCHLINE
STA. 24+00.00

TYPE 3 BARRICADES (3 EA.)

ROAD
CLOSED

29

WB US60

EB US60

BNSF RAILROAD

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ROUTE
60

STATE
MO

DISTRICT
SW

SHEET NO.
46

COUNTY
WEBSTER

JOB NO.
J7P3425C

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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US 60

PHASE 1A

TRAFFIC CONTROL
3 OF 26

LEGEND

WORK COMPLETED THIS PHASE

WORK COMPLETED PREV. PHASE

PAVEMENT REMOVALS

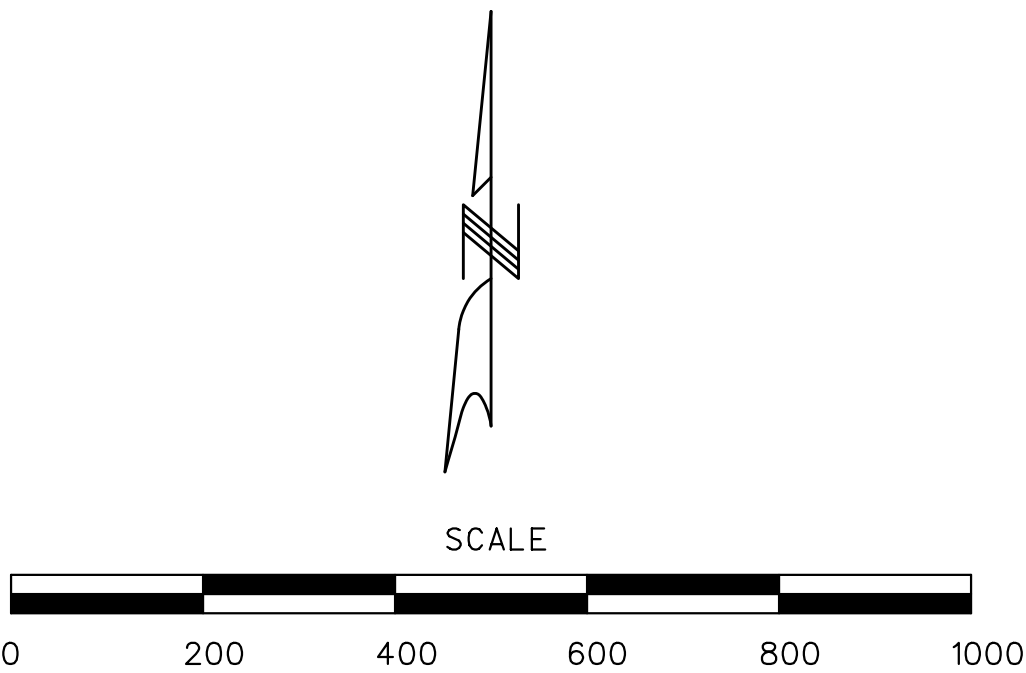
DETOUR ROUTE

PHASE 1B

1. CONSTRUCT ROUTE A TIE-INS.

2. REMOVE PAVEMENT AT EXISTING ROUTE A MEDIAN CROSSOVER.

3. TEMPORARY PAVEMENT TO BE MAINTAINED UNTIL TIE-INS ARE CONSTRUCTED.



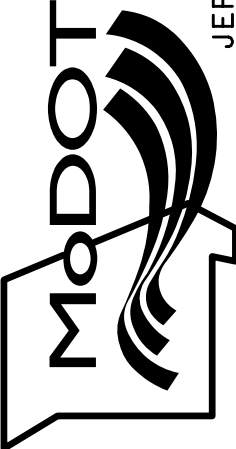
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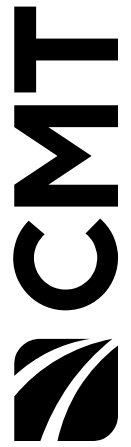
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ROUTE 60	STATE MO
DISTRICT SW	SHEET NO. 47
COUNTY WEBSTER	
JOB NO. J7P3425C	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

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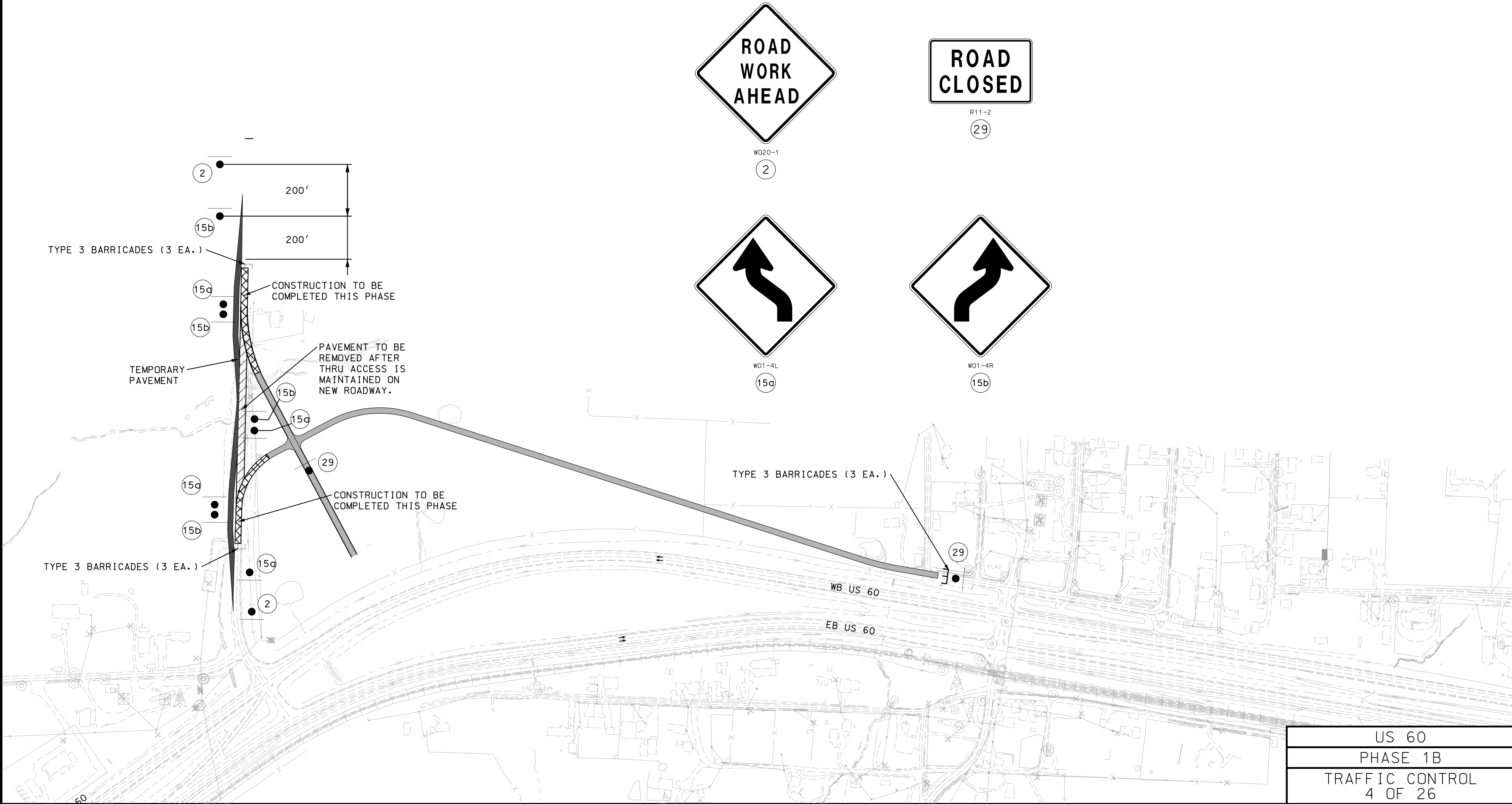
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US 60

PHASE 1B

TRAFFIC CONTROL

4 OF 26



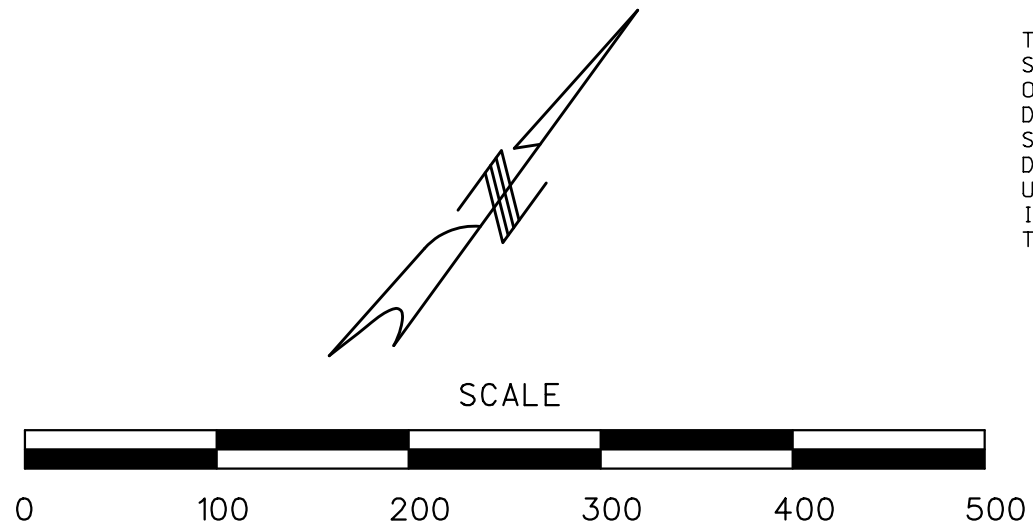
- PHASE 2
1. CONSTRUCT PARTS OF EB60 REALIGNED LANES
 2. NARROW EXISTING EB60 TO 1 LANE FOR CONSTRUCTION ACTIVITIES
 3. TEMPORARY CONCRETE BARRIER REQUIRED WHERE CONSTRUCTION ACTIVITIES ARE WITHIN 10' OF TRAVELED WAY
 4. ROUTE A TRAFFIC DETOURED TO ROUTE NN CROSSOVER

LEGEND

WORK COMPLETED THIS PHASE 

WORK COMPLETED PREV. PHASE 

PAVEMENT REMOVALS 



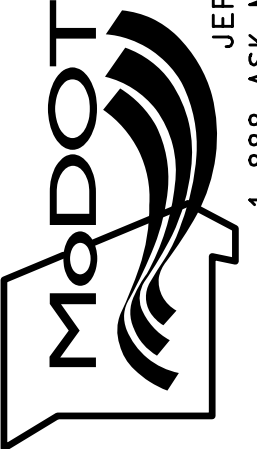
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DISTRICT SW	SHEET NO. 48
COUNTY WEBSTER	
JOB NO. J7P3425C	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

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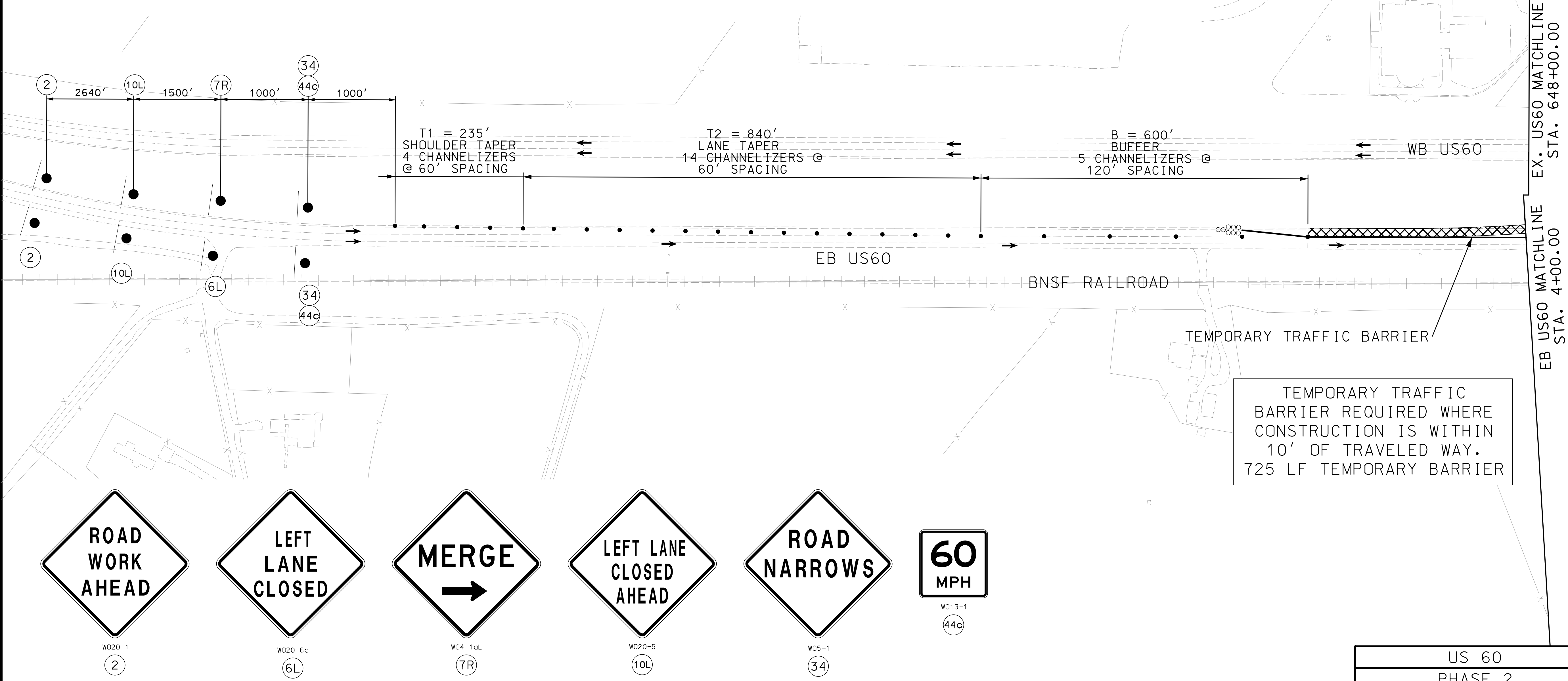


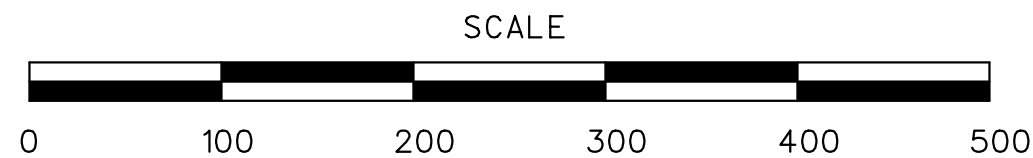
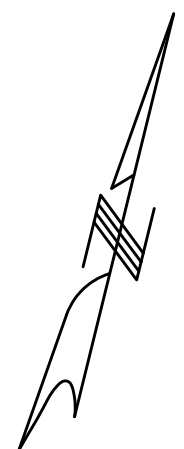
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US 60
PHASE 2
TRAFFIC CONTROL
5 OF 26





PHASE 2

1. CONSTRUCT PARTS OF EB60 REALIGNED LANES
2. NARROW EXISTING EB60 TO 1 LANE FOR CONSTRUCTION ACTIVITIES
3. TEMPORARY CONCRETE BARRIER REQUIRED WHERE CONSTRUCTION ACTIVITIES ARE WITHIN 10' OF TRAVELED WAY
4. ROUTE A TRAFFIC DETOURED TO ROUTE NN CROSSOVER

LEGEND

- WORK COMPLETED THIS PHASE 
- WORK COMPLETED PREV. PHASE 
- PAVEMENT REMOVALS 

TEMPORARY TRAFFIC BARRIER REQUIRED WHERE CONSTRUCTION IS WITHIN 10' OF TRAVELED WAY.
725 LF TEMPORARY BARRIER

TYPE 3 BARRICADES
(3 EA.)

WB US60

PROPOSED EB US60

EXISTING EB US60

20 CHANNELIZERS @
120' SPACING

BNSF RAILROAD

TEMPORARY TRAFFIC BARRIER

DETOUR
AHEAD

DETOUR

MO4-10L

17L

ROAD
CLOSED

R11-2

29

US 60

PHASE 2

TRAFFIC CONTROL
6 OF 26

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ROUTE

60

STATE

MO

DISTRICT

SW

SHEET NO.

49

COUNTY

WEBSTER

JOB NO.

J7P3425C

CONTRACT ID.

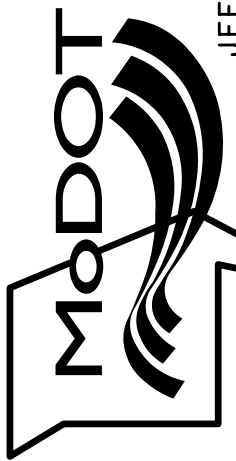
PROJECT NO.

BRIDGE NO.

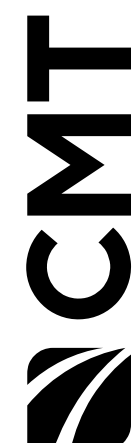
DESCRIPTION

DATE

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DATE PREPARED

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ROUTE

60

STATE

MO

DISTRICT

SW

SHEET NO.

50

COUNTY

WEBSTER

JOB NO.

J7P3425C

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

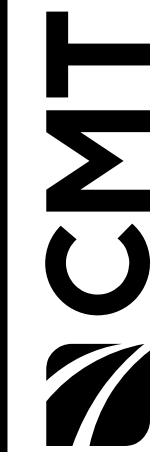
DESCRIPTION

DATE

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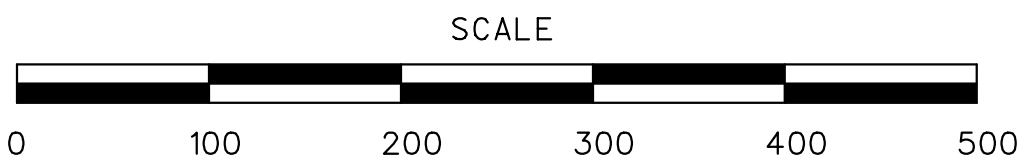
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LEGEND

WORK COMPLETED THIS PHASE



WORK COMPLETED PREV. PHASE



PAVEMENT REMOVALS



PHASE 2

1. CONSTRUCT PARTS OF EB60 REALIGNED LANES
2. NARROW EXISTING EB60 TO 1 LANE FOR CONSTRUCTION ACTIVITIES
3. TEMPORARY CONCRETE BARRIER REQUIRED WHERE CONSTRUCTION ACTIVITIES ARE WITHIN 10' OF TRAVELED WAY
4. ROUTE A TRAFFIC DETOURED TO ROUTE NN CROSSOVER

TEMPORARY TRAFFIC BARRIER REQUIRED WHERE CONSTRUCTION IS WITHIN 10' OF TRAVELED WAY.
515 LF TEMPORARY BARRIER

EX. US60 MATCHLINE STA. 676+00.00
NOR MATCHLINE STA. 29+00.00
EB US60 MATCHLINE STA. 31+00.00

7 CHANNELIZERS @ 120' SPACING

TEMPORARY TRAFFIC BARRIER

100' TAPER
5 CHANNELIZERS
MIN.

1000'

1000'

1000'

WB US60

EB US60

BNSF RAILROAD



W020-1

(2)



W020-2

(11)

DETOUR

M04-8

NORTH

M3--

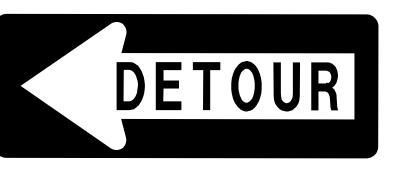


M1--

RTE. A

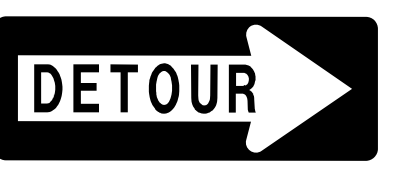
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(14N)



M04-10L

(17L)



M04-10R

(17R)



W05-1

(34)

60
MPH

W013-1

(44c)

US 60

PHASE 2

TRAFFIC CONTROL
7 OF 26

PHASE 3

1. SHIFT EB TRAFFIC TO NEW PAVEMENT (10' LANE)
2. CONSTRUCT SOUTHERNMOST LANE OF NEW EB60
3. CONSTRUCT EB RAMPS AND RETAINING WALL
4. TEMPORARY CONCRETE BARRIER REQUIRED WHERE CONSTRUCTION IS WITHIN 10' OF TRAVELED WAY
5. ROUTE A TRAFFIC DETOURED TO ROUTE NN

LEGEND

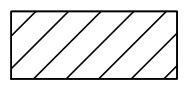
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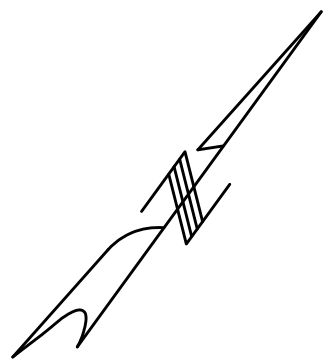
WORK COMPLETED PREV. PHASE



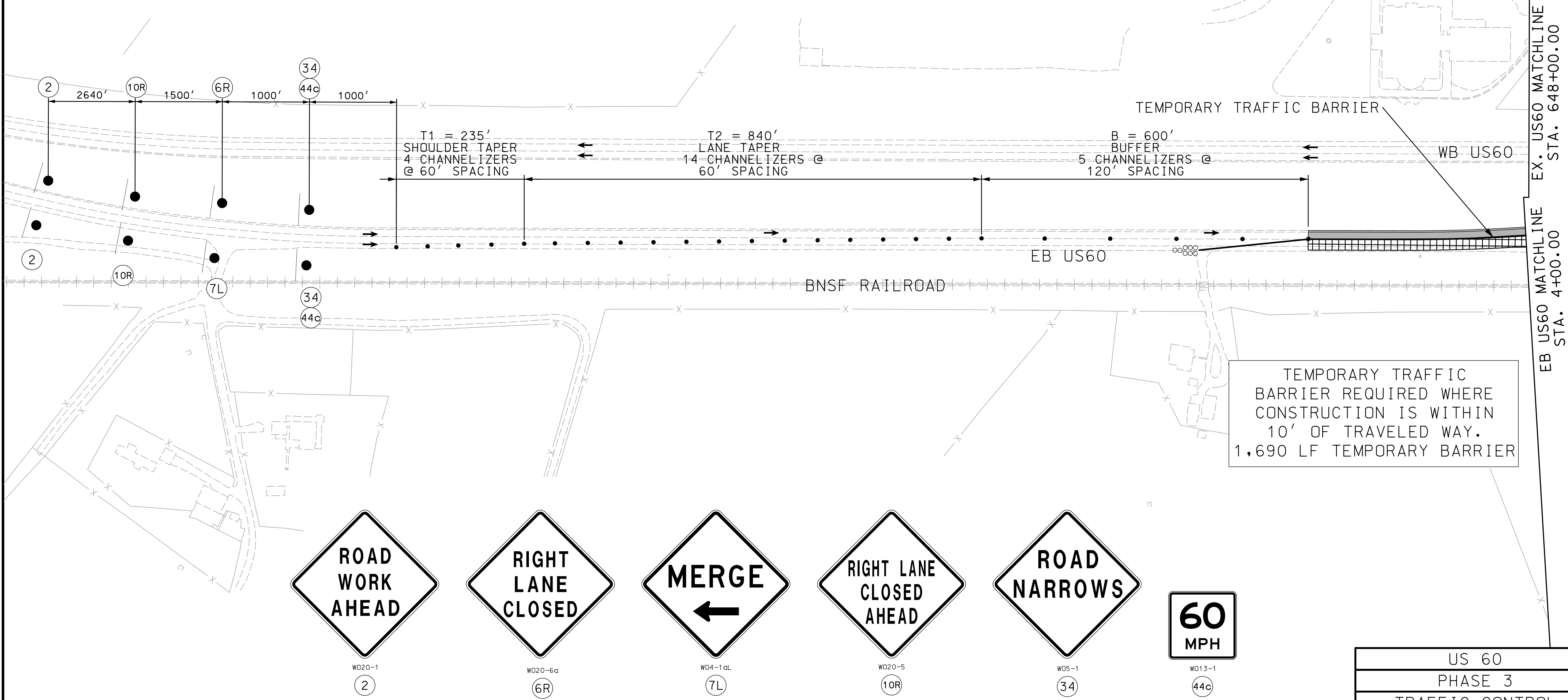
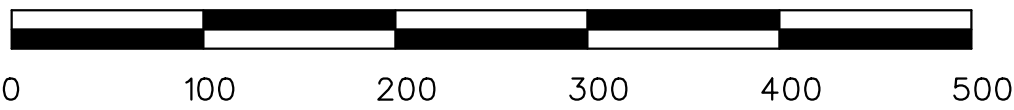
PAVEMENT REMOVALS



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ROUTE 60	STATE MO
DISTRICT SW	SHEET NO. 51
COUNTY WEBSTER	
JOB NO. J7P3425C	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

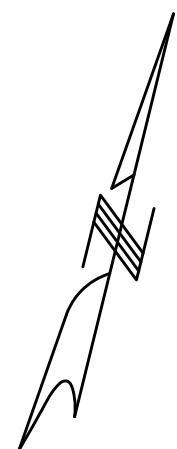
DESCRIPTION	DATE

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US 60
PHASE 3
TRAFFIC CONTROL 8 OF 26



PHASE 3

1. SHIFT EB TRAFFIC TO NEW PAVEMENT (10' LANE)
2. CONSTRUCT SOUTHERNMOST LANE OF NEW EB60
3. CONSTRUCT EB RAMPS AND RETAINING WALL
4. TEMPORARY CONCRETE BARRIER REQUIRED WHERE CONSTRUCTION IS WITHIN 10' OF TRAVELED WAY
5. ROUTE A TRAFFIC DETOURED TO ROUTE NN

LEGEND

WORK COMPLETED THIS PHASE	
WORK COMPLETED PREV. PHASE	
PAVEMENT REMOVALS	

TEMPORARY TRAFFIC BARRIER

TEMPORARY TRAFFIC
BARRIER REQUIRED WHERE
CONSTRUCTION IS WITHIN
10' OF TRAVELED WAY.
1,690 LF TEMPORARY BARRIER

TYPE 3 BARRICADES
(3 EA.)

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ROUTE STATE

60 MO

DISTRICT SHEET NO.

SW 52

COUNTY

WEBSTER

JOB NO.

J7P3425C

CONTRACT ID.

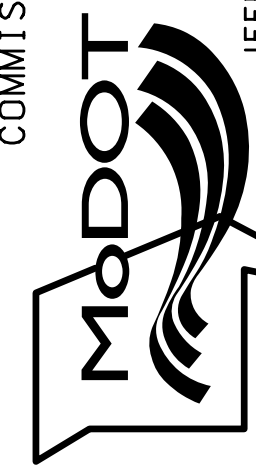
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BRIDGE NO.

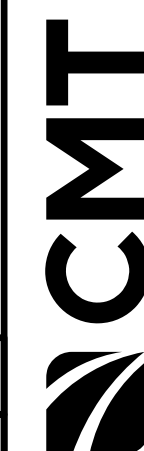
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US 60

PHASE 3

TRAFFIC CONTROL
9 OF 26



W020-2

11



MO4-10L

17L



R11-2

29

BNSF RAILROAD

EXISTING EB US60

PROPOSED EB US60

13 CHANNELIZERS @
120' SPACING

WB US60

EB US60 MATCHLINE
STA. 31+00.00

EX. US60 MATCHLINE
STA. 676+00.00

NDR MATCHLINE
STA. 29+00.00

EX. US60 MATCHLINE
STA. 648+00.00

EB US60 MATCHLINE
STA. 4+00.00

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ROUTE

60

STATE

MO

DISTRICT

SW

SHEET NO.

53

COUNTY

WEBSTER

JOB NO.

J7P3425C

CONTRACT ID.

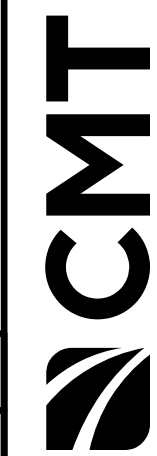
PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

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REV.

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LEGEND

WORK COMPLETED THIS PHASE

WORK COMPLETED PREV. PHASE

PAVEMENT REMOVALS

PHASE 3

1. SHIFT EB TRAFFIC TO NEW PAVEMENT (10' LANE)
2. CONSTRUCT SOUTHERNMOST LANE OF NEW EB60
3. CONSTRUCT EB RAMPS AND RETAINING WALL
4. TEMPORARY CONCRETE BARRIER REQUIRED WHERE CONSTRUCTION IS WITHIN 10' OF TRAVELED WAY
5. ROUTE A TRAFFIC DETOURED TO ROUTE NN

EX. US60 MATCHLINE STA. 676+00.00
NOR MATCHLINE STA. 29+00.00
EB US60 MATCHLINE STA. 31+00.00

3 CHANNELIZERS @ 120' SPACING

TEMPORARY TRAFFIC BARRIER

100' TAPER
5 CHANNELIZERS MIN.

EXISTING EB US60

BNSF RAILROAD

WB US60

EB US60

TEMPORARY TRAFFIC BARRIER REQUIRED WHERE CONSTRUCTION IS WITHIN 10' OF TRAVELED WAY.
1,145 LF TEMPORARY BARRIER



W020-1
2



W020-2
11



M04-8



M3--



M1--



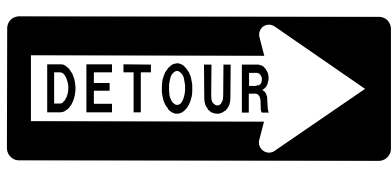
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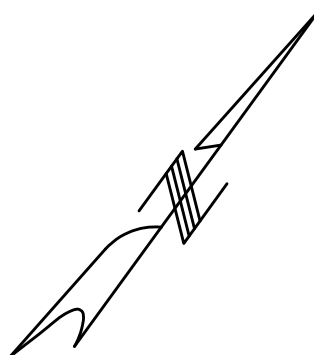
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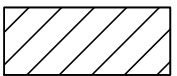
M04-10L
17L



M04-10R
17R



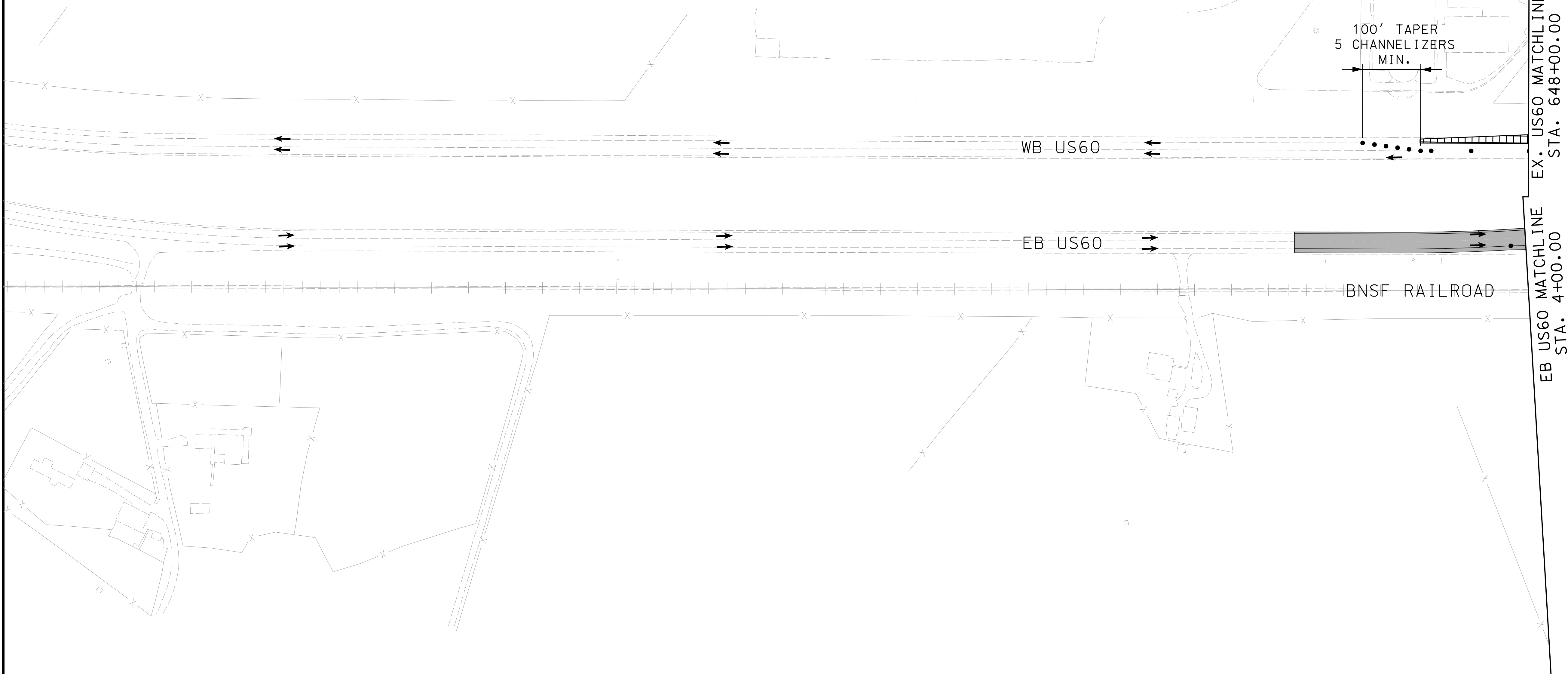
LEGEND

- WORK COMPLETED THIS PHASE 
- WORK COMPLETED PREV. PHASE 
- PAVEMENT REMOVALS 

PHASE 4

1. CONSTRUCT WB RAMPS
2. CLOSE NORTHMOST WB LANE W/ CHANNELIZERS
3. EB RAMPS REMAIN CLOSED W/ CHANNELIZERS

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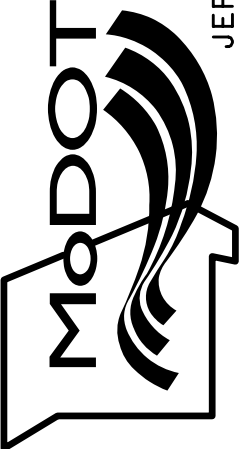
US 60
PHASE 4
TRAFFIC CONTROL 11 OF 26

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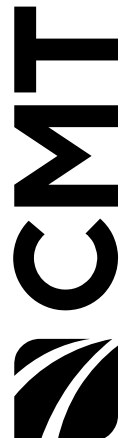
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COUNTY WEBSTER	
JOB NO. J7P3425C	
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BRIDGE NO.	

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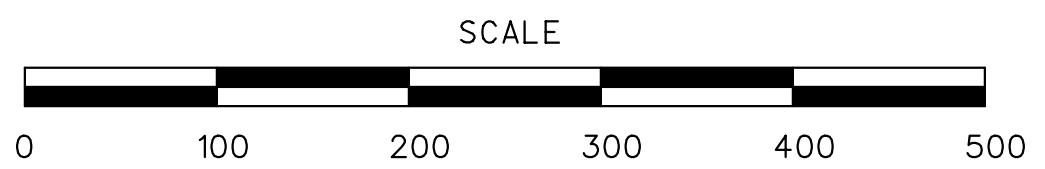
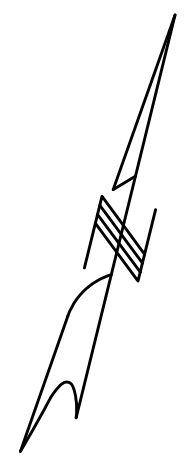


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LEGEND	
WORK COMPLETED THIS PHASE	
WORK COMPLETED PREV. PHASE	
PAVEMENT REMOVALS	

- PHASE 4
1. CONSTRUCT WB RAMP
 2. CLOSE NORTHMOST WB LANE W/ CHANNELIZERS
 3. EB RAMP REMAIN CLOSED W/ CHANNELIZERS

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60	MO
DISTRICT	SHEET NO.
SW	55

COUNTY
WEBSTER

JOB NO.
J7P3425C

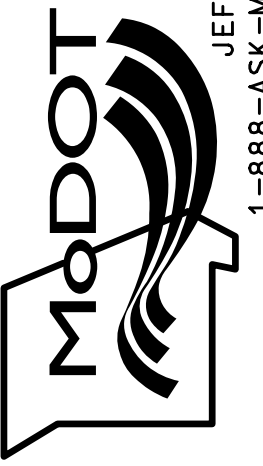
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DATE	DESCRIPTION

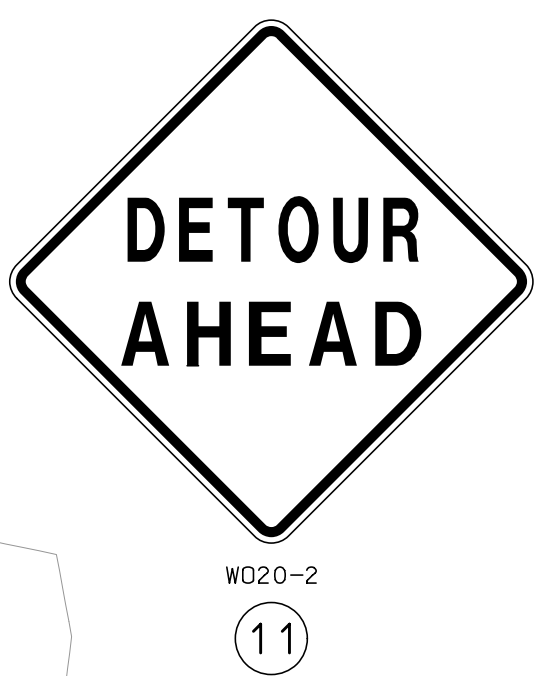
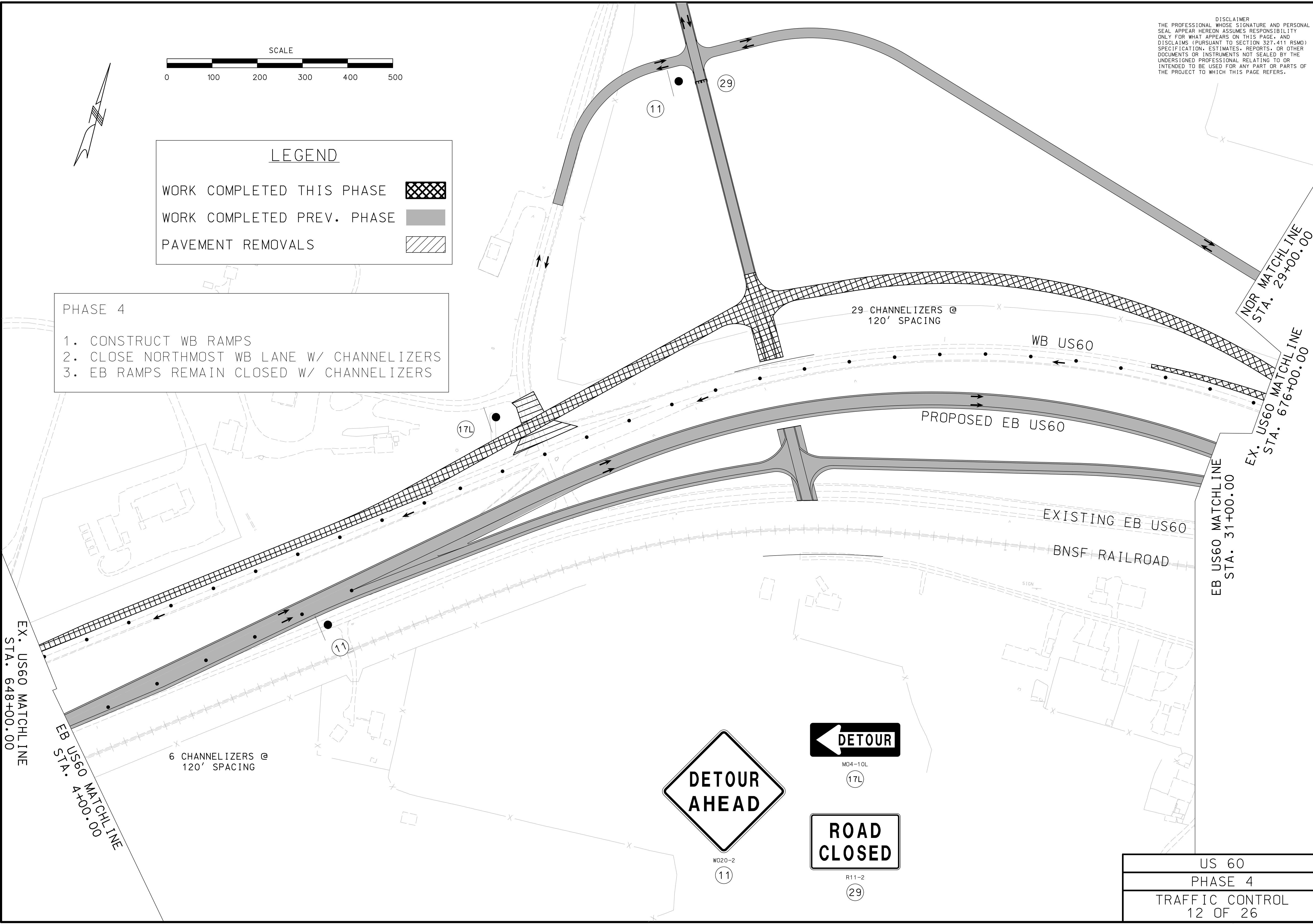
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US 60
PHASE 4
TRAFFIC CONTROL
12 OF 26





LEGEND

WORK COMPLETED THIS PHASE

WORK COMPLETED PREV. PHASE

PAVEMENT REMOVALS

PHASE 4

1. CONSTRUCT WB RAMPS
2. CLOSE NORTHMOST WB LANE W/ CHANNELIZERS
3. EB RAMPS REMAIN CLOSED W/ CHANNELIZERS

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DISTRICT SW	SHEET NO. 56
COUNTY WEBSTER	
JOB NO. J7P3425C	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

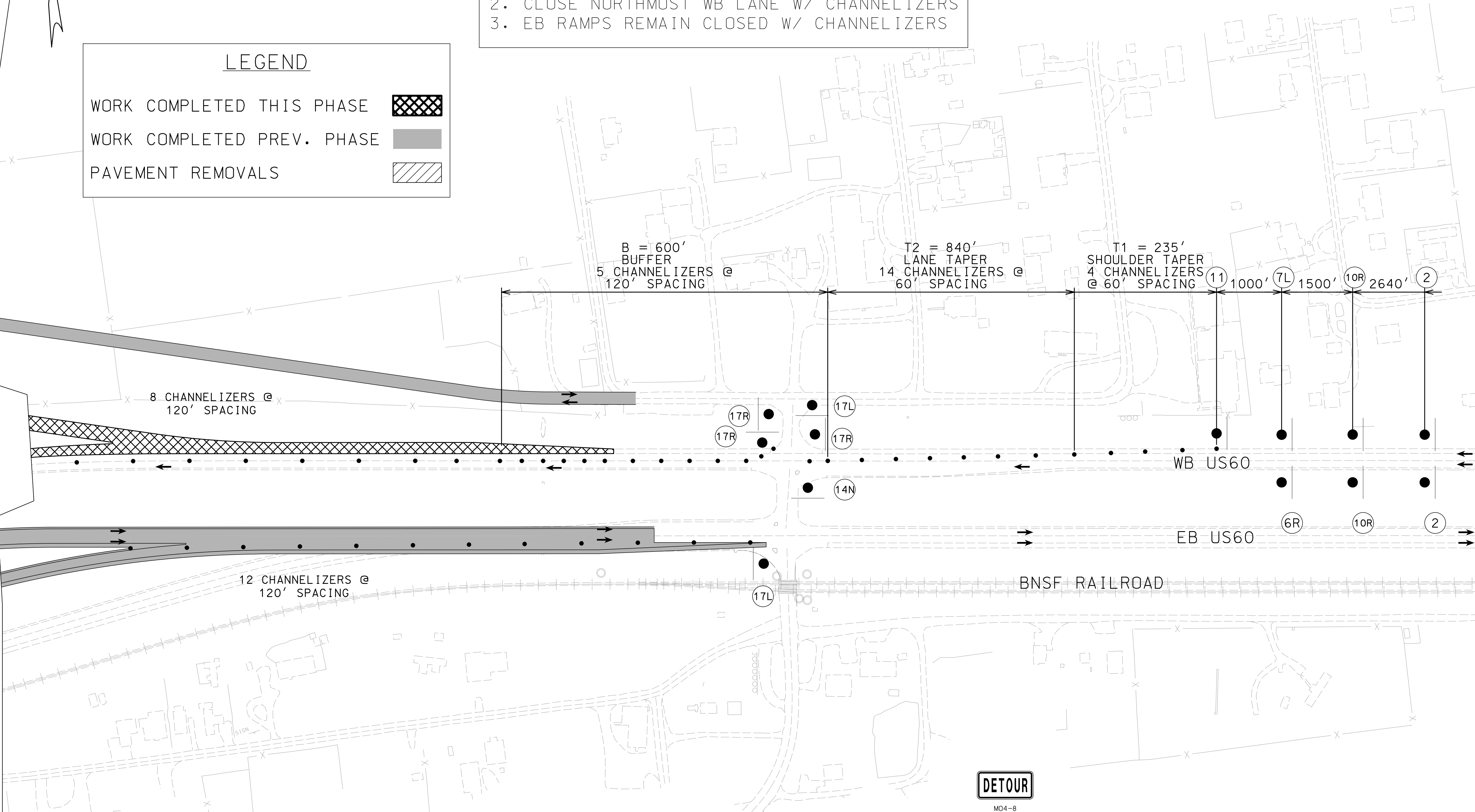
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EX. US60 MATCHLINE STA. 676+00.00
NOR MATCHLINE STA. 29+00.00
EB US60 MATCHLINE STA. 31+00.00



ROAD WORK AHEAD

W020-1
2

RIGHT LANE CLOSED

W020-6a
6R

MERGE

W04-1dL
7L

RIGHT LANE CLOSED AHEAD

W020-5
10R

DETOUR AHEAD

W020-2
11

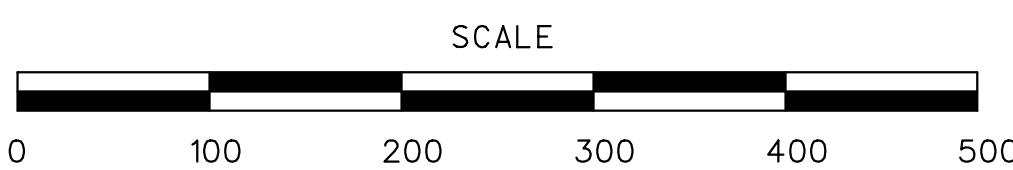
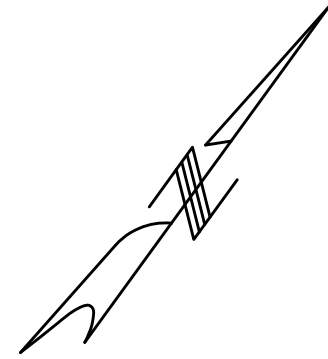
DETOUR

M04-8
NORTH
M3--
M1--
RTE. A
M--
14N

DETOUR

M04-10L
17L
M04-10R
17R

US 60
PHASE 4
TRAFFIC CONTROL
13 OF 26



LEGEND	
WORK COMPLETED THIS PHASE	
WORK COMPLETED PREV. PHASE	
PAVEMENT REMOVALS	

- PHASE 5A
1. CONSTRUCT THE END BENTS OF THE ROUTE A BRIDGE OVER US60
 2. MOVE TRAFFIC TO THE INNER LANES OF US60

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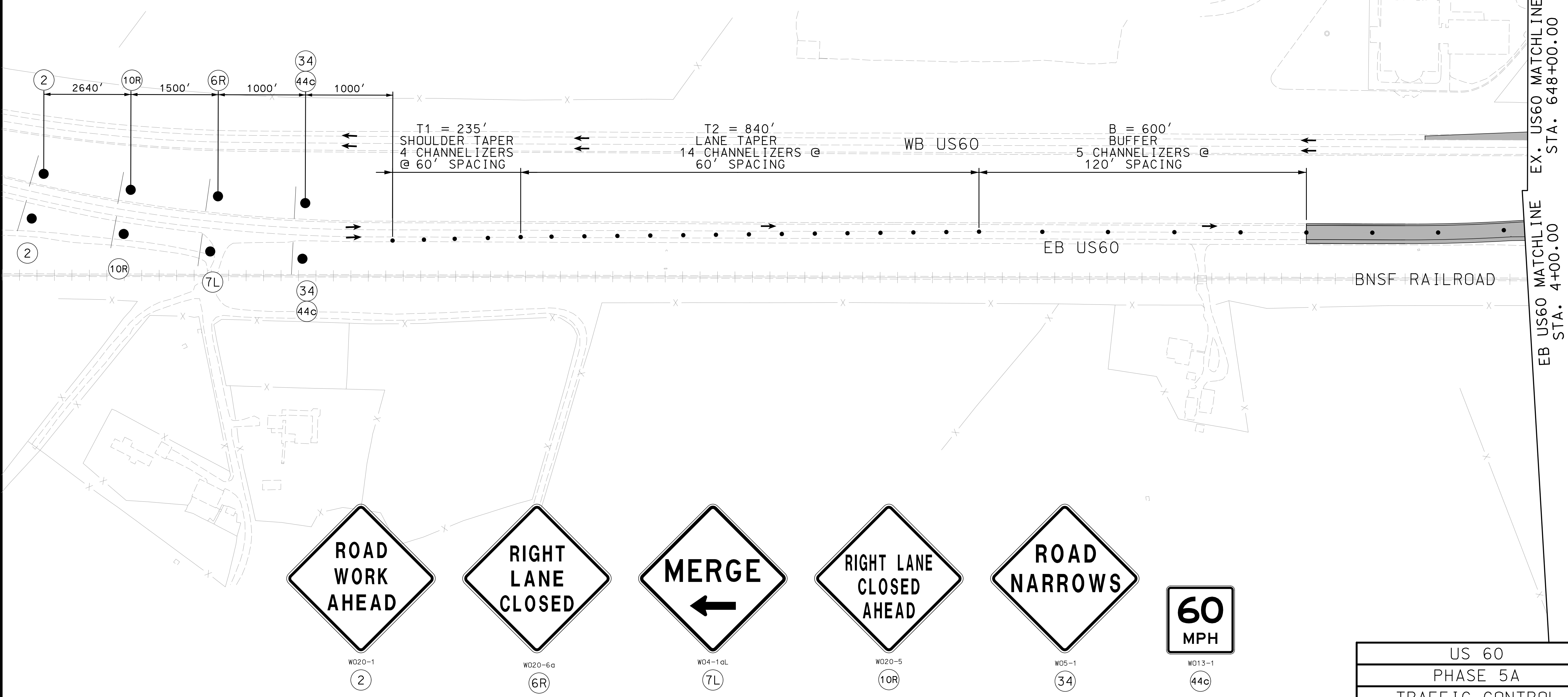
DATE PREPARED 9/27/2022	
ROUTE 60	STATE MO
DISTRICT SW	SHEET NO. 57
COUNTY WEBSTER	
JOB NO. J7P3425C	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

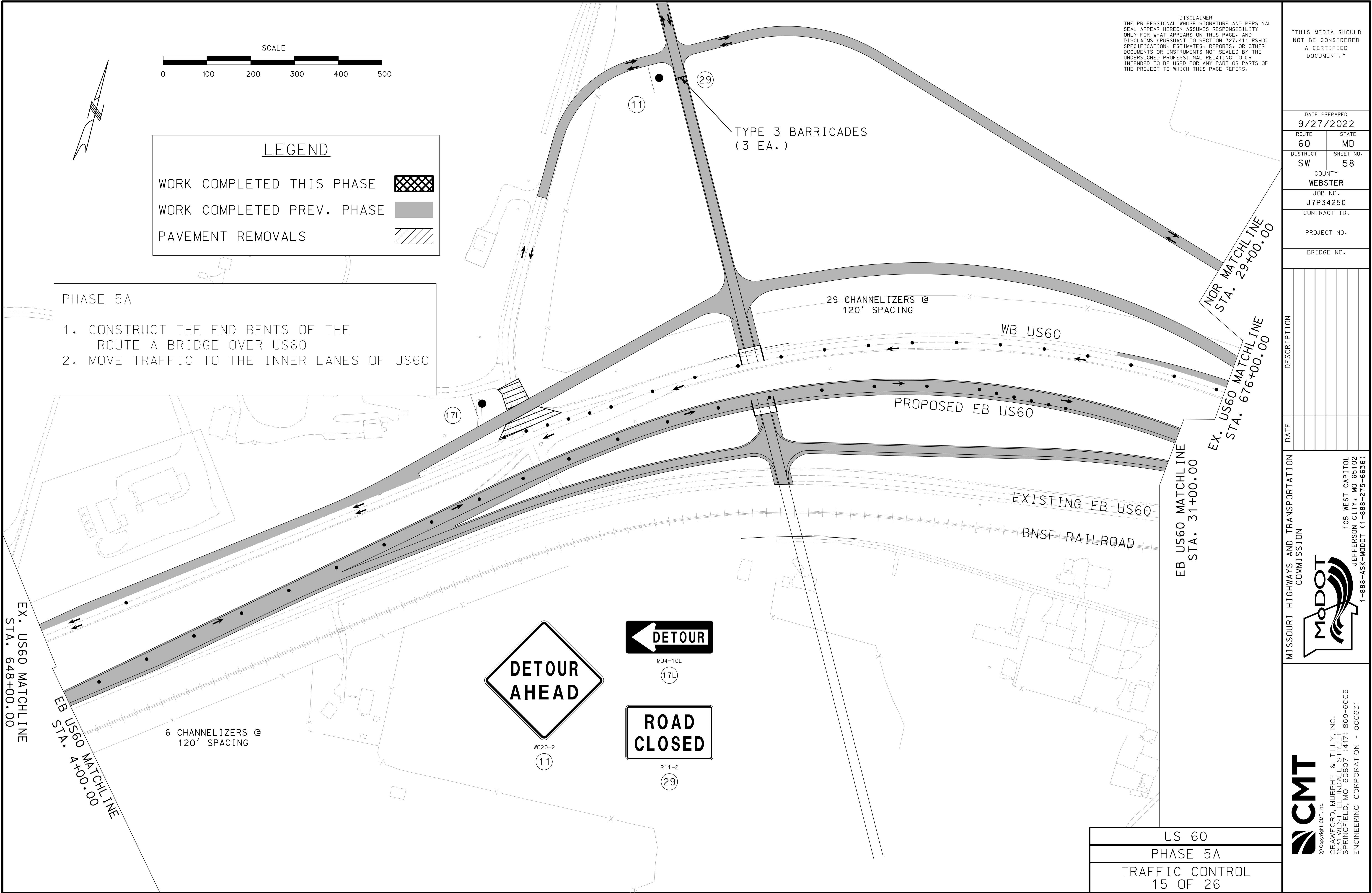
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US 60
PHASE 5A
TRAFFIC CONTROL 14 OF 26



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DISTRICT SW	SHEET NO. 58

COUNTY
WEBSTER
JOB NO.
J7P3425C
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

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US 60
PHASE 5A
TRAFFIC CONTROL
15 OF 26



LEGEND

WORK COMPLETED THIS PHASE

WORK COMPLETED PREV. PHASE

PAVEMENT REMOVALS

- PHASE 5A**
1. CONSTRUCT THE END BENTS OF THE ROUTE A BRIDGE OVER US60
 2. MOVE TRAFFIC TO THE INNER LANES OF US60

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DISTRICT SW	SHEET NO. 59
COUNTY WEBSTER	
JOB NO. J7P3425C	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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US 60
PHASE 5A
TRAFFIC CONTROL 16 OF 26

EX. US60 MATCHLINE STA. 676+00.00
NOR MATCHLINE STA. 29+00.00
EB US60 MATCHLINE STA. 31+00.00

8 CHANNELIZERS @
120' SPACING

12 CHANNELIZERS @
120' SPACING

B = 600'
BUFFER
5 CHANNELIZERS @
120' SPACING

T2 = 840'
LANE TAPER
14 CHANNELIZERS @
60' SPACING

T1 = 235'
SHOULDER TAPER
4 CHANNELIZERS @
60' SPACING

WB US60

EB US60

BNSF RAILROAD



W020-1
(2)



W020-6a
(6R)



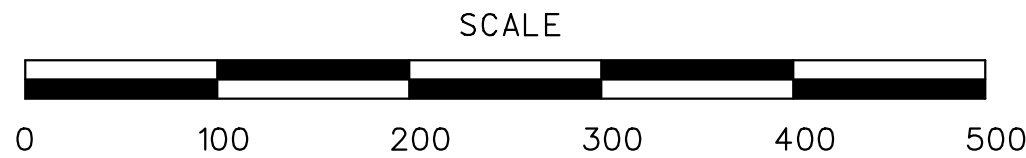
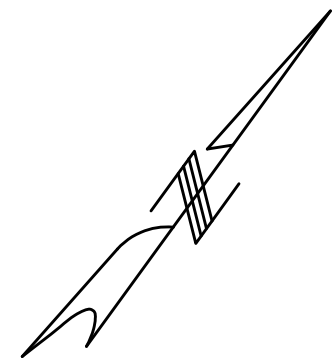
W04-1 dL
(7L)



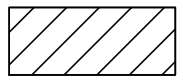
W020-5
(10R)



W020-2
(11)



LEGEND

- WORK COMPLETED THIS PHASE 
- WORK COMPLETED PREV. PHASE 
- PAVEMENT REMOVALS 

PHASE 5B

1. CONSTRUCT THE INTERMEDIATE BENT OF THE ROUTE A BRIDGE OVER US60
2. MOVE TRAFFIC TO THE OUTER LANES OF US60

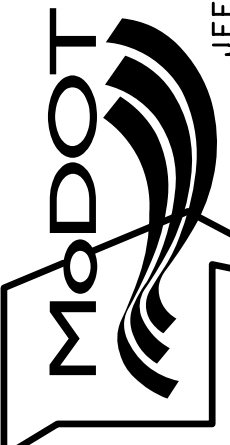
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DISTRICT SW	SHEET NO. 60
COUNTY WEBSTER	
JOB NO. J7P3425C	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

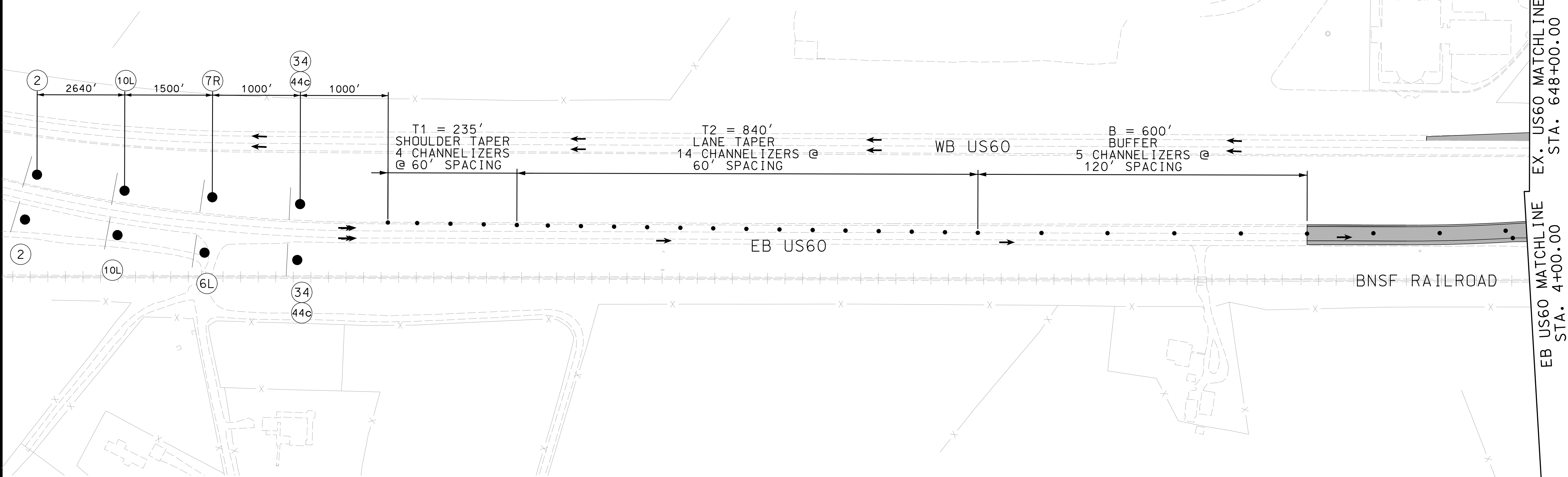
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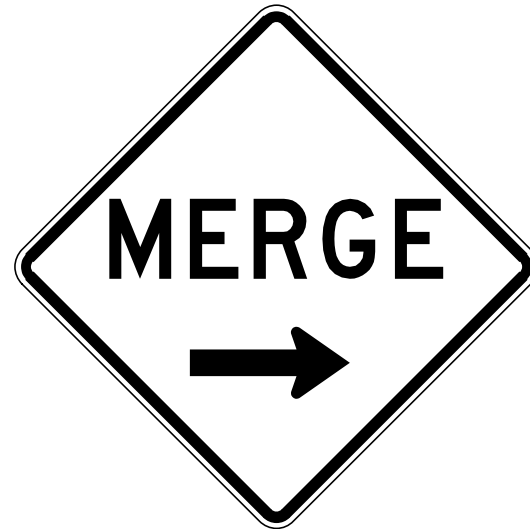
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED. REV.



WD20-1
2



W020-6a
6L



W04-1aL
7R



W020-5
10L

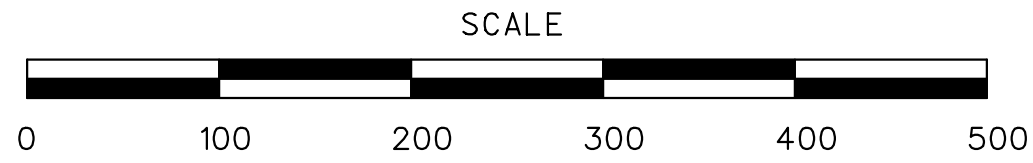


W05-1
34



W013-1
44c

US 60
PHASE 5B
TRAFFIC CONTROL 17 OF 26



LEGEND

- WORK COMPLETED THIS PHASE
- WORK COMPLETED PREV. PHASE
- PAVEMENT REMOVALS

PHASE 5B

1. CONSTRUCT THE INTERMEDIATE BENT OF THE ROUTE A BRIDGE OVER US60
2. MOVE TRAFFIC TO THE OUTER LANES OF US60

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60	MO
DISTRICT	SHEET NO.
SW	61

COUNTY
WEBSTER

JOB NO.
J7P3425C

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

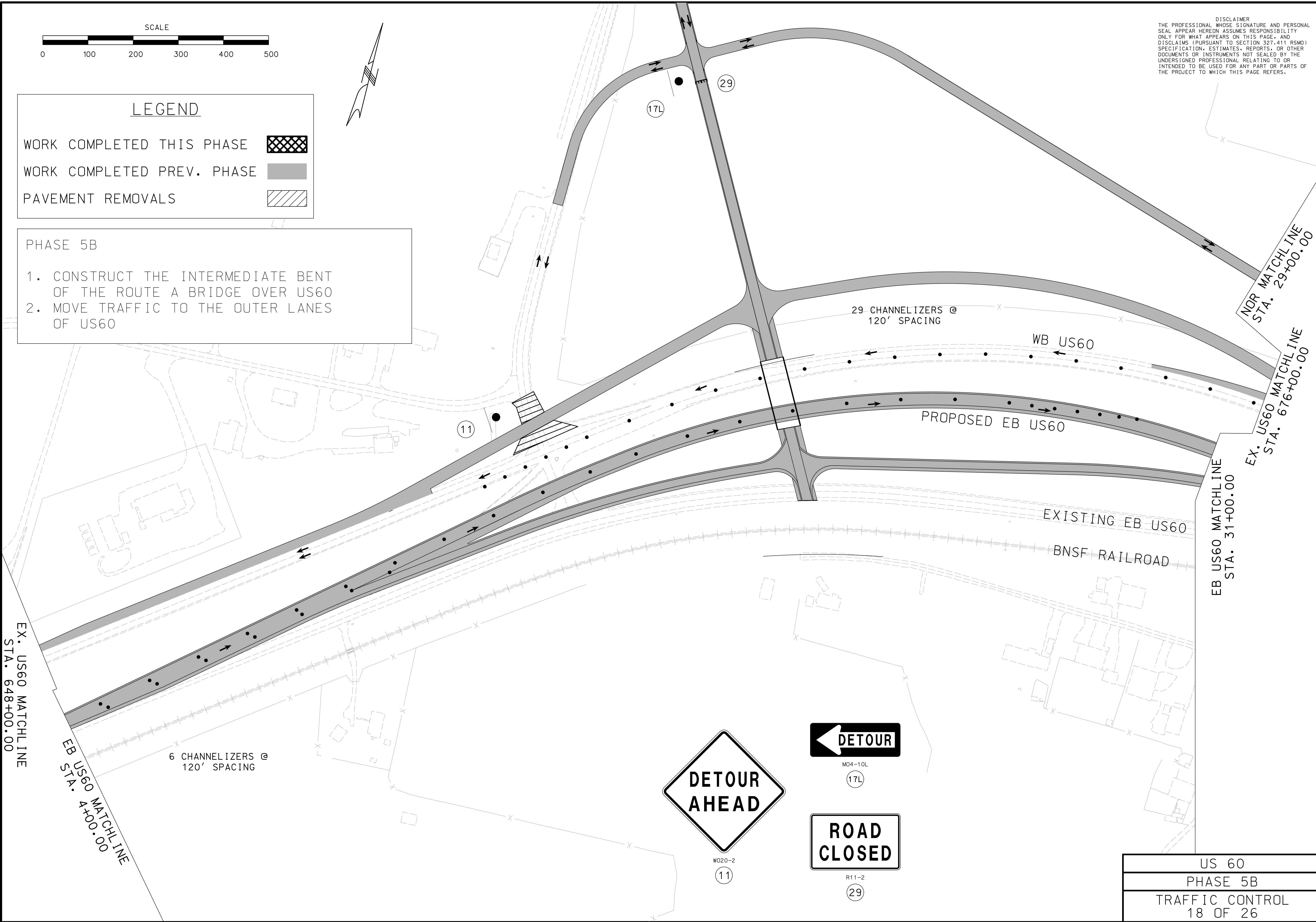
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US 60
PHASE 5B
TRAFFIC CONTROL
18 OF 26





LEGEND

WORK COMPLETED THIS PHASE

WORK COMPLETED PREV. PHASE

PAVEMENT REMOVALS

PHASE 5B

1. CONSTRUCT THE INTERMEDIATE BENT OF THE ROUTE A BRIDGE OVER US60
2. MOVE TRAFFIC TO THE OUTER LANES OF US60

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DISTRICT SW	SHEET NO. 62
COUNTY WEBSTER	
JOB NO. J7P3425C	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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US 60
PHASE 5B
TRAFFIC CONTROL 19 OF 26

EX. US60 MATCHLINE STA. 676+00.00
NOR MATCHLINE STA. 29+00.00
EB US60 MATCHLINE STA. 31+00.00

8 CHANNELIZERS @
120' SPACING

12 CHANNELIZERS @
120' SPACING

B = 600'
BUFFER
5 CHANNELIZERS @
120' SPACING

T2 = 840'
LANE TAPER
14 CHANNELIZERS @
60' SPACING

T1 = 235'
SHOULDER TAPER
4 CHANNELIZERS @
60' SPACING

1000' 6L 1500' 10L 2640' 2

EB US60

BNSF RAILROAD



W020-1
(2)



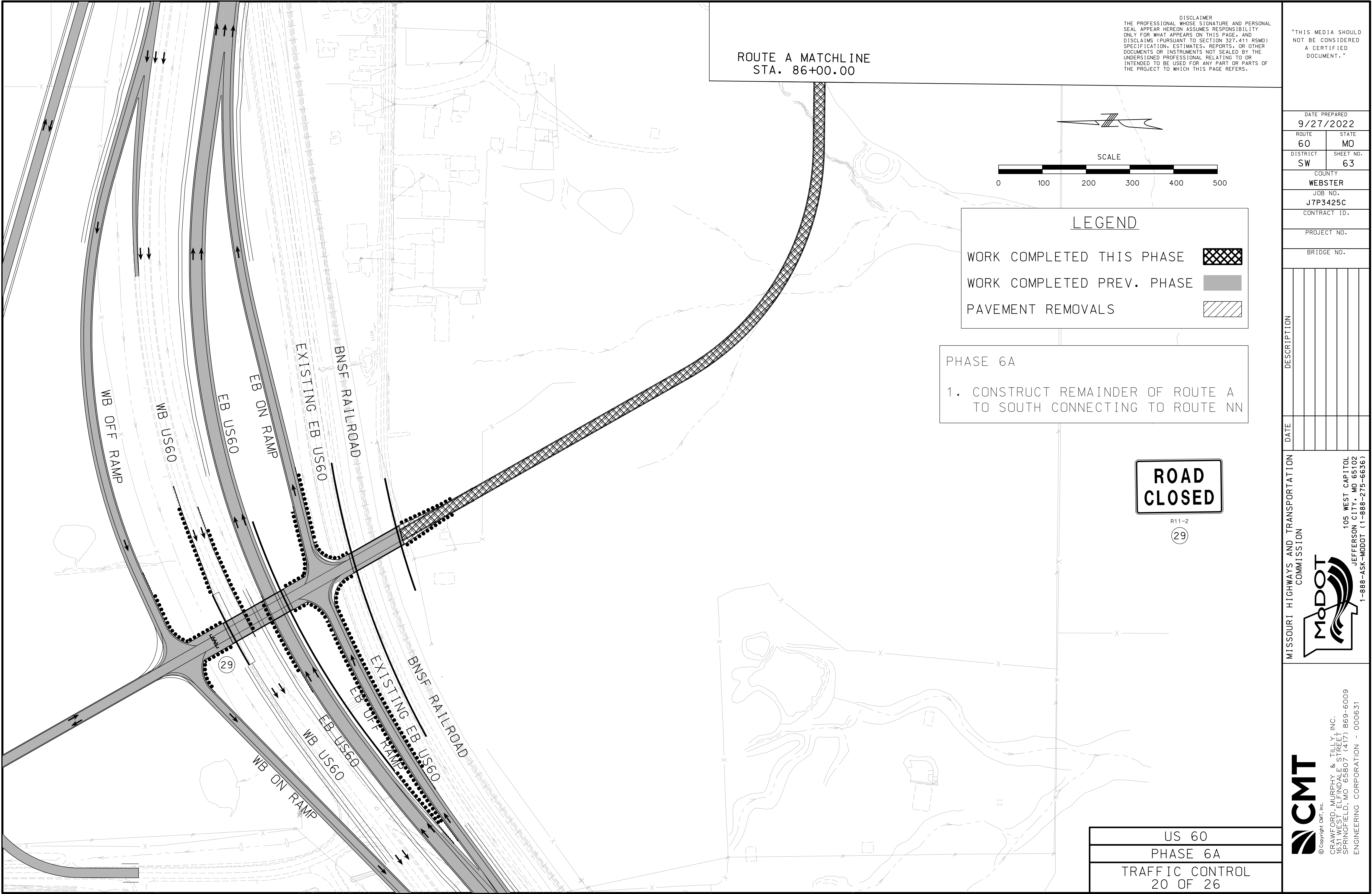
W020-6a
(6R)



W04-1cL
(7L)



W020-5
(10R)



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DISTRICT SW	SHEET NO. 63
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JOB NO. J7P3425C	
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BRIDGE NO.	

DESCRIPTION	DATE

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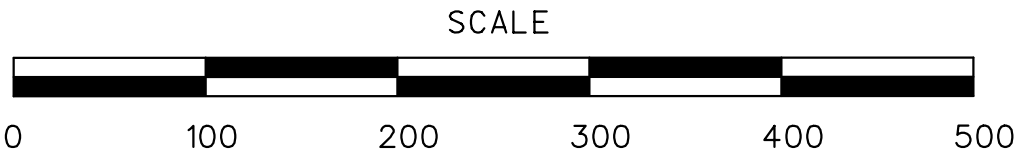
US 60
PHASE 6A
TRAFFIC CONTROL 20 OF 26

PHASE 6A

- 1. CONSTRUCT REMAINDER OF ROUTE A TO SOUTH CONNECTING TO ROUTE NN
- 2. TEMPORARY PAVEMENT TO BE MAINTAINED UNTIL PHASE IS COMPLETED.

LEGEND

- WORK COMPLETED THIS PHASE
- WORK COMPLETED PREV. PHASE
- PAVEMENT REMOVALS



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JOB NO. J7P3425C	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

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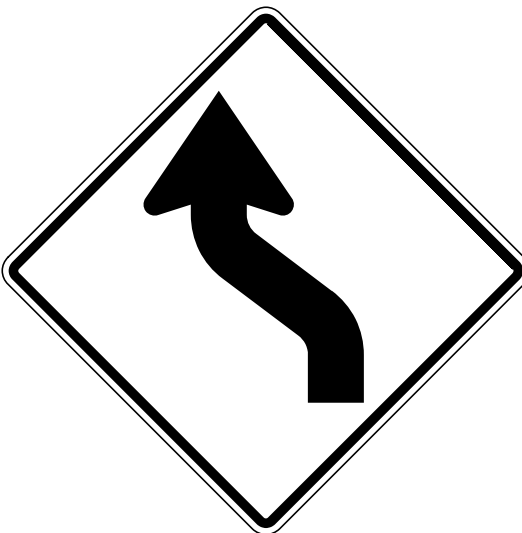
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ROUTE A MATCHLINE
STA. 86+00.00

ROAD WORK
NEXT 1 MILES

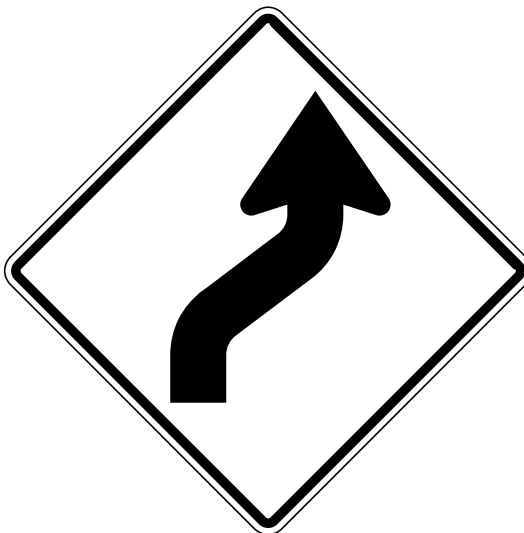
G020-1
1



W01-4L
15a

Rate Our
Work Zone
modot.org

CONST-7-48
9



W01-4R
15b

WORK ZONE
NO PHONE
ZONE

SPECIAL
9a



W021-5
21

END
ROAD WORK

G020-2
26

US 60

PHASE 6A

TRAFFIC CONTROL
21 OF 26

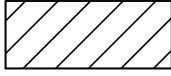
PHASE 6B

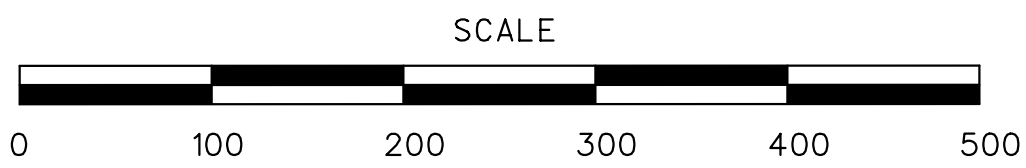
1. CONSTRUCT REMAINDER OF ROUNDABOUT
2. TEMPORARY PAVEMENT TO BE MAINTAINED UNTIL ORUNDABOUT IS COMPLETE

LEGEND

WORK COMPLETED THIS PHASE 

WORK COMPLETED PREV. PHASE 

PAVEMENT REMOVALS 



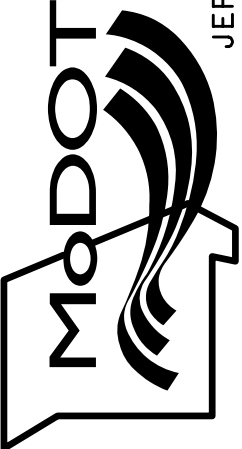
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COUNTY WEBSTER	
JOB NO. J7P3425C	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

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ROUTE A MATCHLINE
STA. 86+00.00

ROAD WORK
NEXT 1 MILES

G020-1
1

Rate Our
Work Zone
modot.org

CONST-7-48
9

WORK ZONE
NO PHONE
ZONE

SPECIAL
9a

SHOULDER
WORK
AHEAD

WO21-5
21

END
ROAD WORK

G020-2
26

US 60
PHASE 6B
TRAFFIC CONTROL
22 OF 26

PHASE 6C

1. CONSTRUCT MEDIAN ISLANDS AND CENTER ISLAND

2. ALL TRAFFIC MOVEMENTS TO BE MAINTAINED DURING CONSTRUCTION

LEGEND

WORK COMPLETED THIS PHASE 

WORK COMPLETED PREV. PHASE 

PAVEMENT REMOVALS 



DISCLAIMER

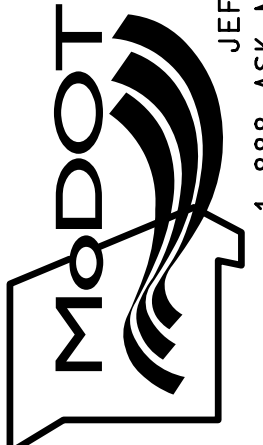
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60	MO
DISTRICT	SHEET NO.
SW	66
COUNTY	
WEBSTER	
JOB NO.	
J7P3425C	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

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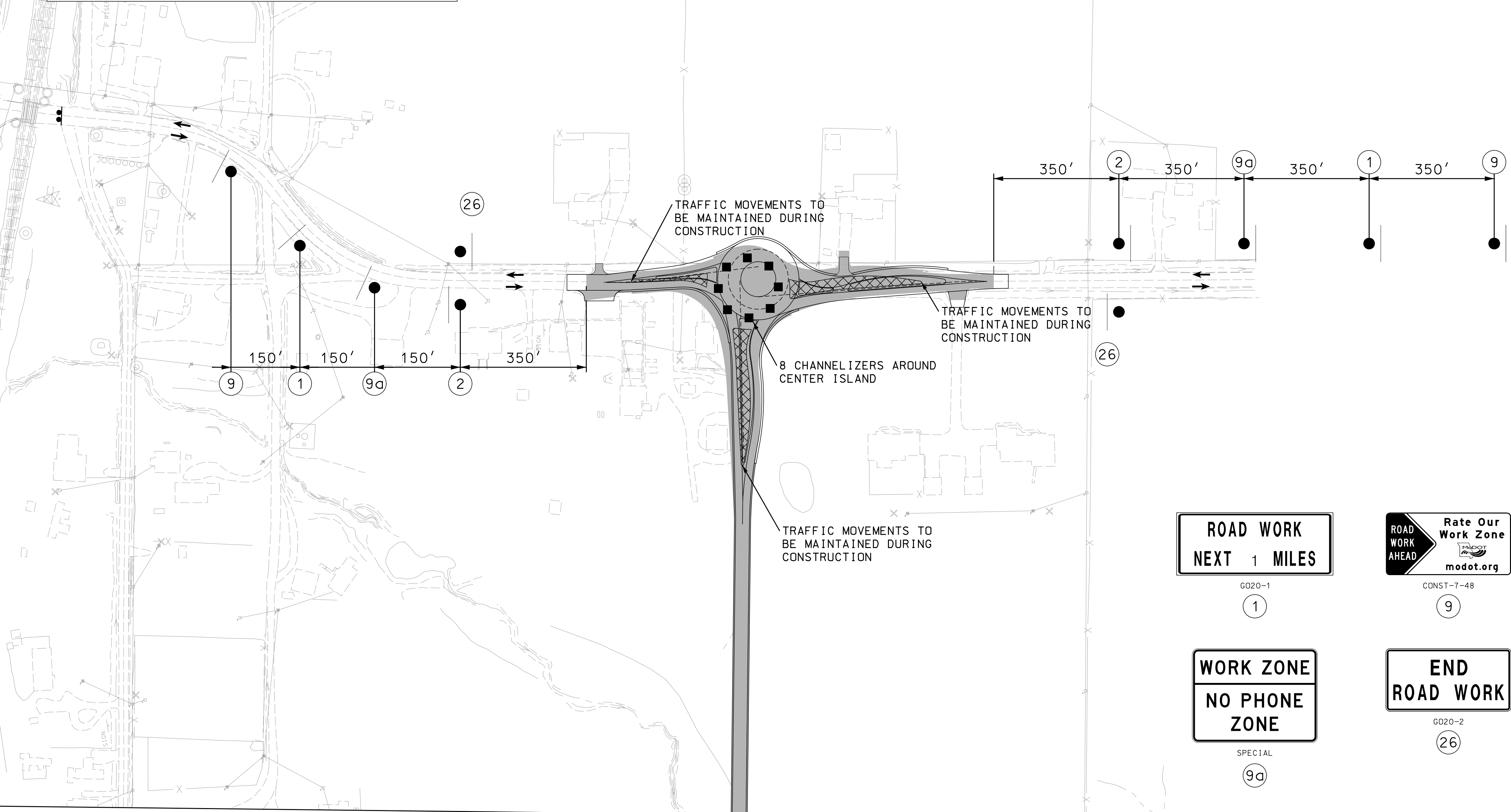


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ROAD WORK
NEXT 1 MILES

G020-1
1

ROAD WORK
AHEAD

Rate Our Work Zone

modot.org

CONST-7-48
9

WORK ZONE
NO PHONE
ZONE

SPECIAL
9a

END
ROAD WORK

G020-2
26



W020-1
2

US 60
PHASE 6C
TRAFFIC CONTROL
23 OF 26

616.8.33 (TA-33) Lane Closure on Left or Right Lane on Divided Highway- MT							
SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
Permanent Posted (mph)	Undivided (S)	Divided (S)	Shoulder (1) (T1)	Lane (2) (T2)	BUFFER LENGTH (ft.) (B)	Tapers	Buffer/ Work Areas
0-35	-	200	70	245	280	35	40
40-45	-	500	150	540	400	40	80
50-55	-	1000	185	660	560	50	80
60-70	-	SA - 1000 SB - 1500 SC - 2640	235	840	840	60	120

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

	SIGN HEIGHT	MAXIMUM WORK ZONE LENGTH (L)	- Channelizer - Sign - Truck or Trailer Mounted Arrow Panel	 Protective Vehicle  Truck Mounted Attenuator (TMA)  Work Space
URBAN	1' Portable 7" Post	1 Mi.		
RURAL UNDIVIDED	1' Portable 7" Post	2 Mi.		

A protective vehicle shall be used while work is in progress. The protective vehicle shall be equipped with a TMA and flashing arrow panel and positioned at least 150 ft. in advance of the work space. The protective vehicle may be eliminated if the roadway is posted at 45 mph or below, the work vehicle is positioned in advance of the work space, and the work vehicle is equipped with a flashing arrow panel and uses activated rotating lights or strobe lights.

All vehicles, equipment, workers and their activities should be restricted to one side of the pavement.

The open lane shall be provided with a 10 ft. minimum driving surface at all times. This may include a portion of the shoulder, provided the shoulder is of adequate strength to handle traffic.

For short duration operations, signs and channelizers may be reduced or eliminated.

For mobile operations where workers are on foot and move with the operation, channelizers may be reduced or eliminated.

For operations in which channelizers are not used, the arrow mode shall be displayed on any flashing arrow panel located downstream of the taper.

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

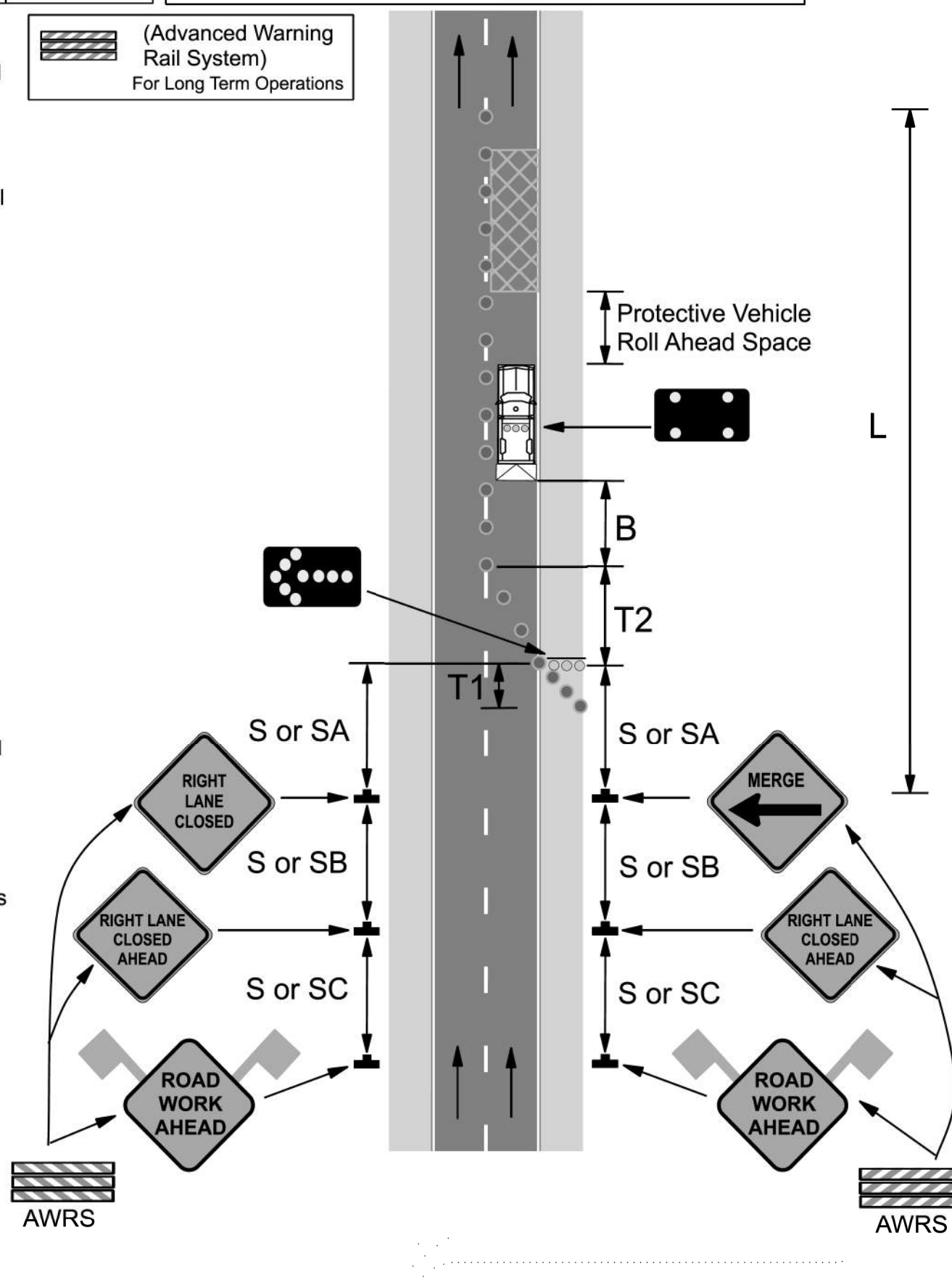
Additional warning signs shall be erected at each intersection with another state highway within the work zone. Upon the discretion of the supervisor, additional warning signs may be erected at other intersections within the work zone.

For nighttime operations, review EPG 616.6.83
WARNING LIGHTS for use of sequential lights.

If rumble strips are used, review EPG 616.6.87
RUMBLE STRIPS.

For long-term operations, EPG 616.6.2.2 Flags and Advance Warning Rail System.

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



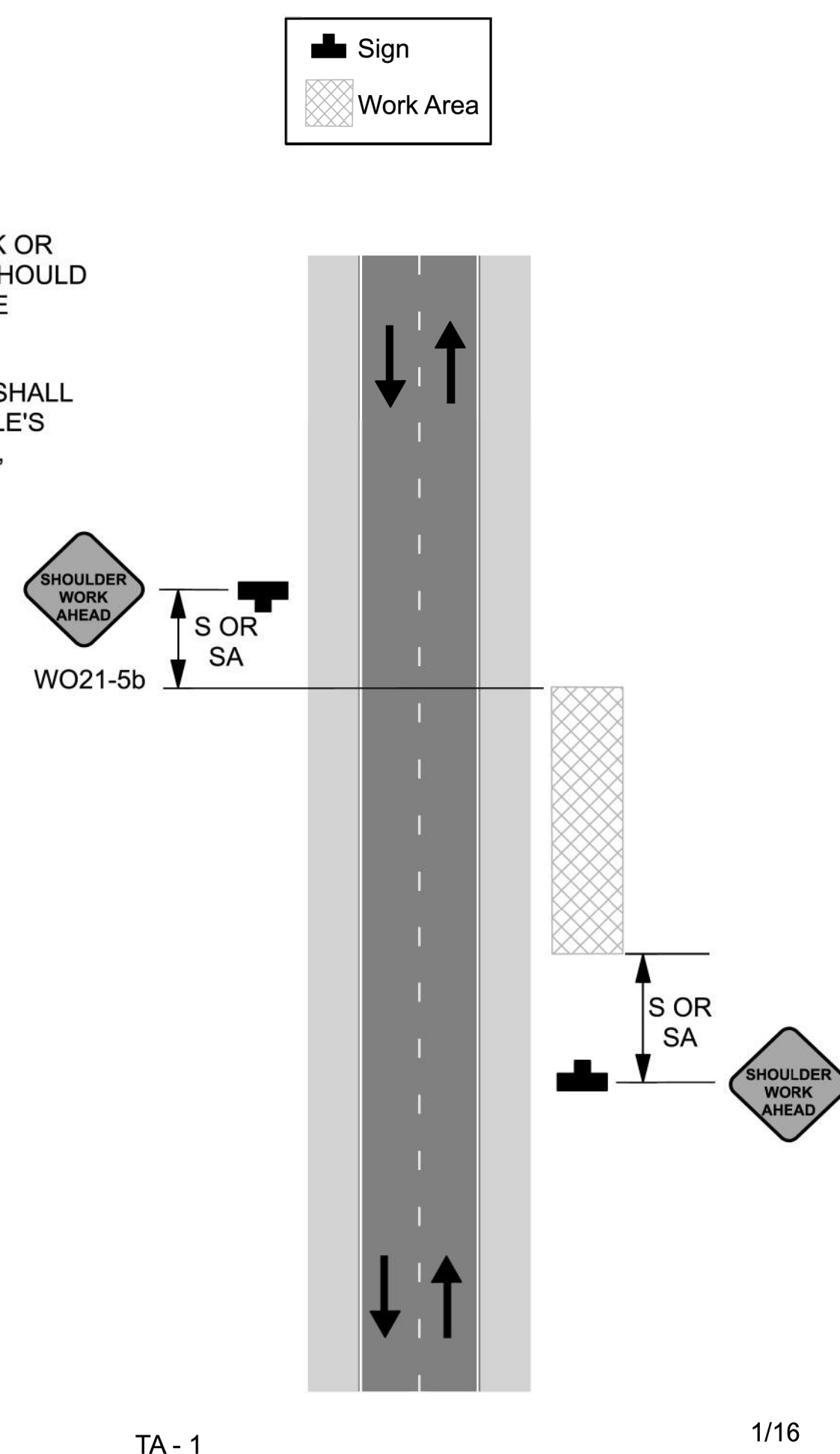
SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
Normal Posted (mph)	Undivided (S)	Divided (S)	Shoulder (1) (T1)	Lane (2) (T2)	BUFFER LENGTH (ft.) (B)	Tapers	Buffer/ Work Areas
0-35	200	200	-	-	-	-	-
40-45	350	500	-	-	-	-	-
50-55	500	1000	-	-	-	-	-
60-70	1000	SA - 1000,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

NOTES:

ONLY APPLICABLE WHEN WORK IS
WITHIN THE CLEAR ZONE.

ON MULTI-LANE, DIVIDED HIGHWAYS,
SIGNS ADVISING OF SHOULDER WORK OR
THE CONDITION OF THE SHOULDER SHOULD
BE PLACED ONLY ON THE SIDE OF THE
AFFECTED SHOULDER.

VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.



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ROUTE	STA
60	MI

DISTRICT	SHEET
SW	6

COUNTY
WEBSTER

JOB NO.
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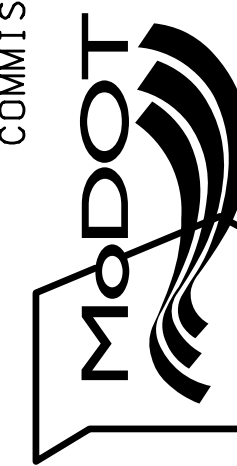
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BRIDGE NO.

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US 60

TYPICAL APPLICATIONS

TRAFFIC CONTROL
24 OF 26

616.8.8a (TA-8a) Closure of Existing Bridges or Non-Traversable Roads - MT & DE/CM

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL BUFFER LENGTH (ft.) (B)	CHANNELIZER SPACING (ft.)	
Normal Posted (mph)	Undivided (S)	Divided (S)	Shoulder (T1)	Lane (T2)		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	-	-

Refer to EPG 606.1.3.5 Closures of Existing Streets, Roads, and Bridges or Non-Traversable Roads for bridge and/or road closures designated non-traversable.

(1) The ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY sign should be located at the first state route or, upon the discretion of the supervisor, any other intersection in advance of the closure.

(2) Additional barricades may be used and offset to facilitate access for local traffic, etc.

(3) The use of type D guardrail and type 4 object markers versus type 3 barricades and temporary concrete traffic barriers are dependent upon the district/Central Office replacement schedule.

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

For Advance Warning Rail System, refer to EPG 616.6.2.2 Flags and Advance Warning Rail System (AWRS).

For planned activities, Community Relations should be notified.

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

For additional guidance for detours and signage review EPG 616.3.9 Detours and Diversions and EPG 616.6.19 DETOUR sign.

For detour signing, review EPG 616.8.9 Road Closed Beyond Junction Detour.

Refer to Standard Plans For Highway Construction 606.00 Guardrail Type D for guardrail and post-mounted type 3 barricades.

Refer to Standard Plans For Highway Construction 616.10 Temporary Traffic Control Devices for type 3 barricades.

Refer to Standard Plans For Highway Construction 903.03 Sign Mounting Details Delineators Object Markers for type 4 object marker.

Refer to Standard Plans For Highway Construction 617.20 Temporary Concrete Traffic Barrier for concrete barriers.

Refer to Standard Specifications For Highway Construction 1042 Highway Sign Material for 6-inch wide, 10-12 - foot long red retroreflective sheeting.

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.

TA - 8a

5/18

616.8-3 (TA-3) Shoulder Work on Two-Lane Highways with Edgelines - MT

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

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

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.

- Channelizer
- Sign
- Truck or Trailer Mounted Arrow Panel
- Protective Vehicle
- Truck Mounted Attenuator (TMA)
- Work Space

In addition to shoulder work, this typical application is applicable to work beyond shoulder where vehicles and equipment are parked on the shoulder.

A protective vehicle shall be used while work is in progress. The protective vehicle should be equipped with a TMA and positioned at least 150 ft. in advance of the work space.

If encroachment onto driving surface occurs and there is not 10 ft. of driving surface available for the lane of traffic, that traffic lane shall be closed. Refer to appropriate lane closure typical applications.

If an arrow panel is used for an operation on the shoulder, the caution mode shall be displayed.

For short duration or mobile operations, signs, channelization devices, and protective vehicles may be reduced or eliminated if a work vehicle with activated rotating lights or strobe lights is used. However, if limited sight distance exists, a protective vehicle should be used. This protective vehicle should be equipped with a TMA and truck mounted flashing arrow panel and positioned at least 150 ft. in advance of the work space or work vehicle, as applicable. If a protective vehicle is used, a vehicle mounted sign shall be mounted at a recommended height of 48 in. above the road surface.

For work beyond shoulder, where vehicles and equipment are parked on the shoulder, the protective vehicle may be eliminated if a work vehicle with activated rotating lights or strobe lights is used.

Vehicle hazard warning signals shall not be used instead of the vehicle's rotating lights or strobe lights.

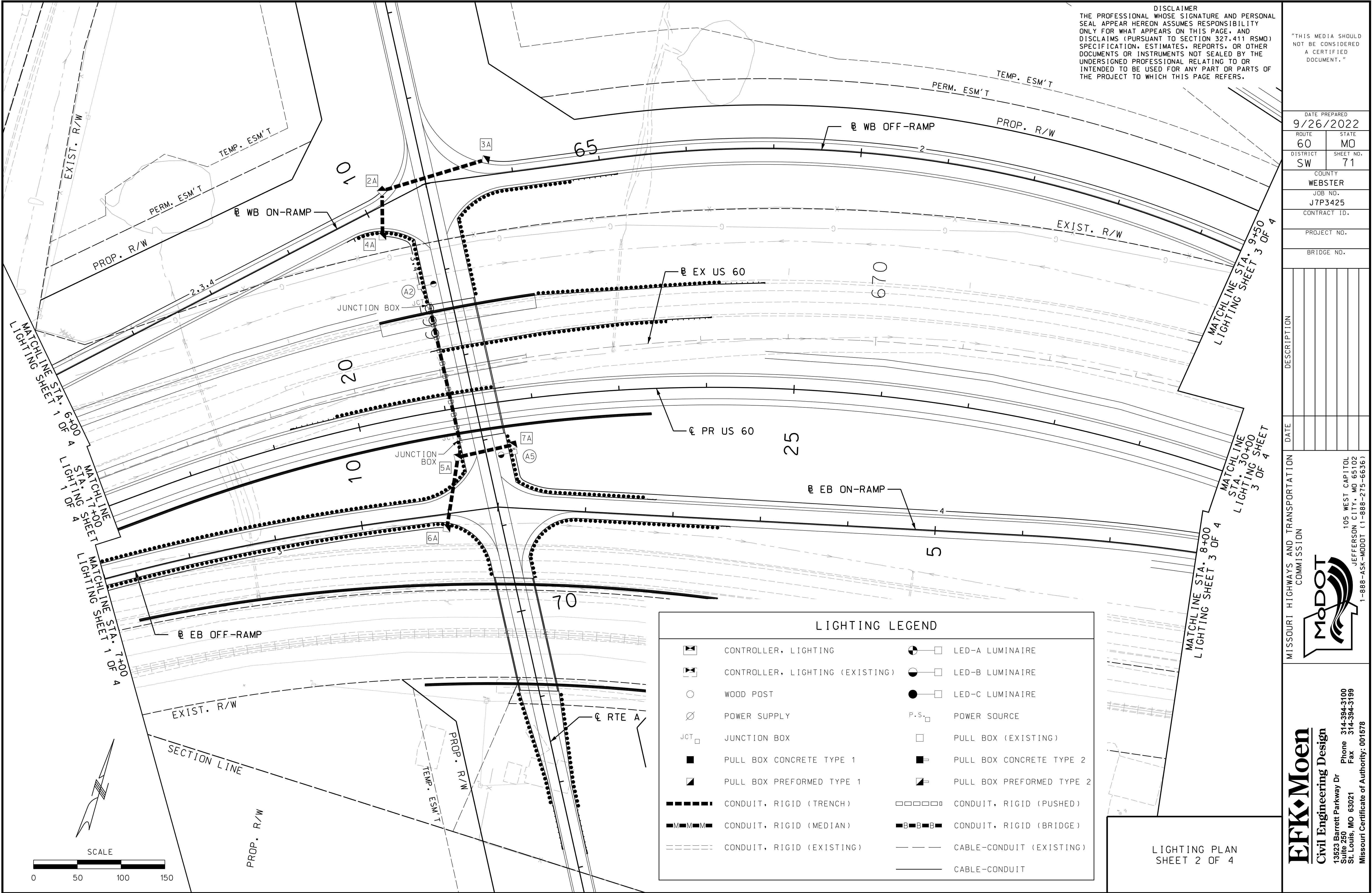
Additional warning signs shall be erected at each intersection with another state highway within the work zone. Upon the discretion of the supervisor, additional warning signs may be erected at other intersections within the work zone.

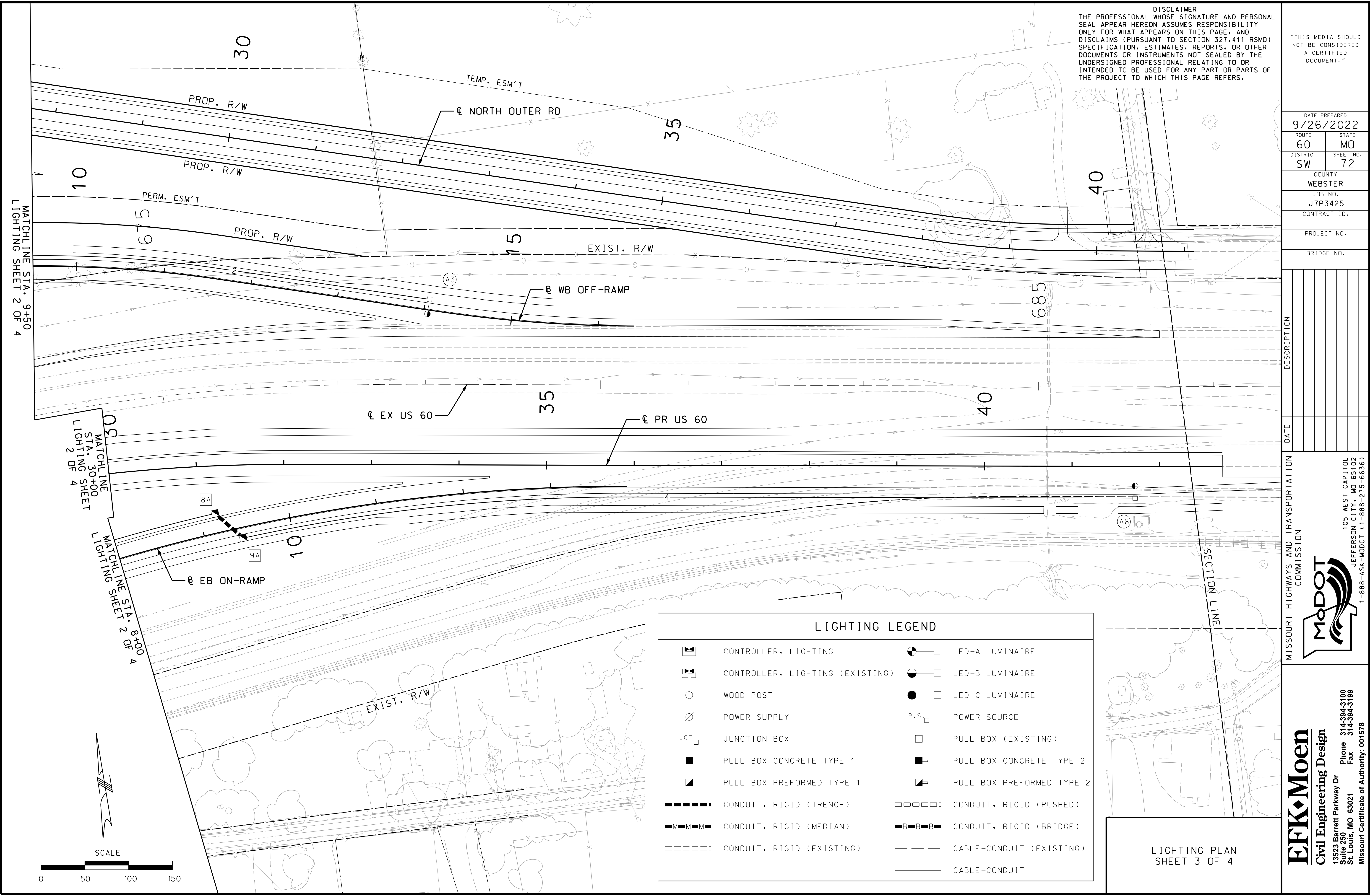
Other appropriate signs may be used in lieu of SHOULDER WORK AHEAD sign.

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

TA-3

1/16





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COUNTY WEBSTER	
JOB NO. J7P3425	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

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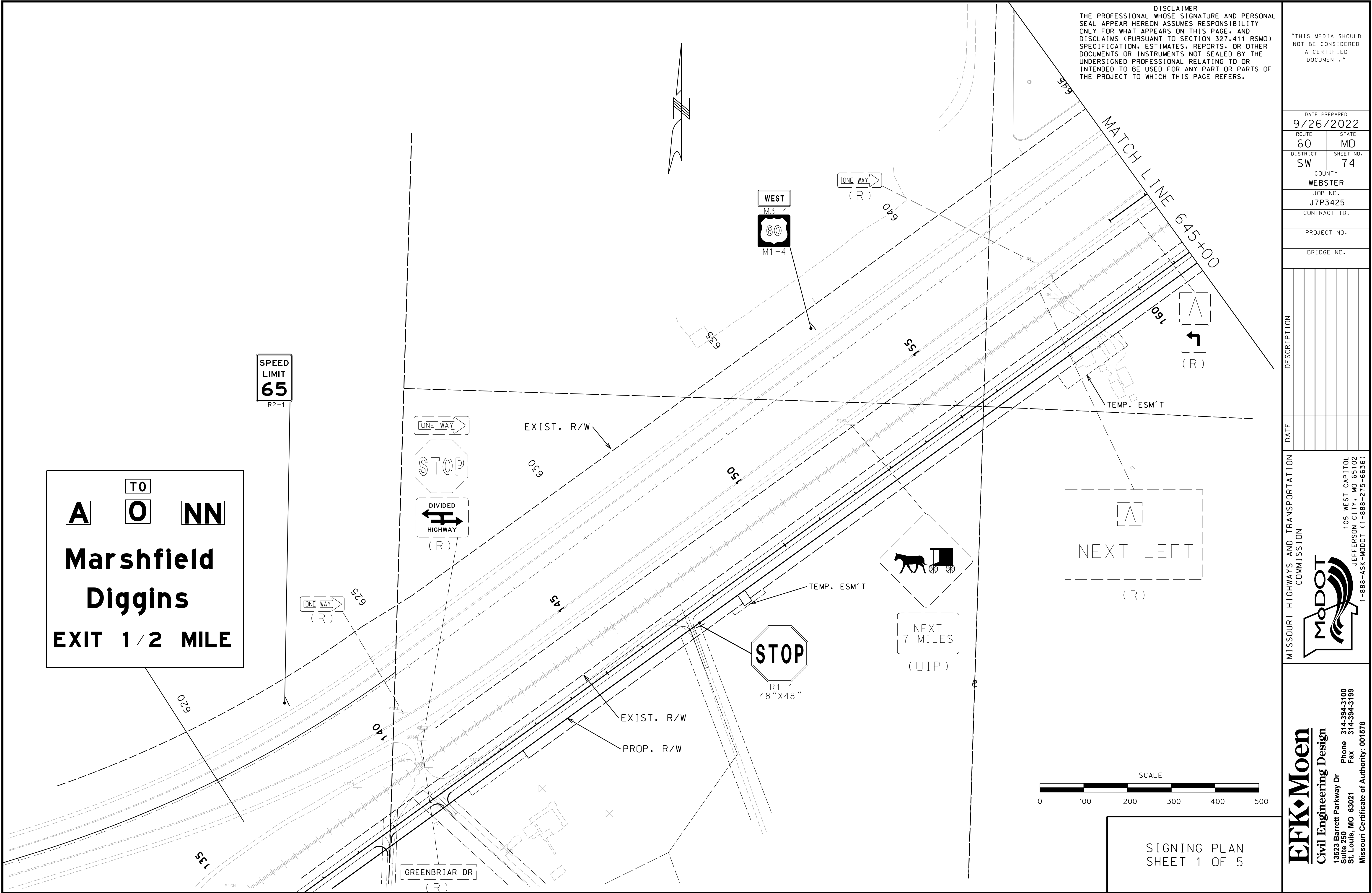
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St. Louis, MO 63021
Phone 314-394-3100
Fax 314-394-3199
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LIGHTING LEGEND			
	CONTROLLER, LIGHTING		LED-A LUMINAIRE
	CONTROLLER, LIGHTING (EXISTING)		LED-B LUMINAIRE
	WOOD POST		LED-C LUMINAIRE
	POWER SUPPLY		POWER SOURCE
	JUNCTION BOX		PULL BOX (EXISTING)
	PULL BOX CONCRETE TYPE 1		PULL BOX CONCRETE TYPE 2
	PULL BOX PREFORMED TYPE 1		PULL BOX PREFORMED TYPE 2
	CONDUIT, RIGID (TRENCH)		CONDUIT, RIGID (PUSHED)
	CONDUIT, RIGID (MEDIAN)		CONDUIT, RIGID (BRIDGE)
	CONDUIT, RIGID (EXISTING)		CABLE-CONDUIT (EXISTING)
			CABLE-CONDUIT

LIGHTING PLAN
SHEET 3 OF 4



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COUNTY WEBSTER	
JOB NO. J7P3425	
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PROJECT NO.	
BRIDGE NO.	

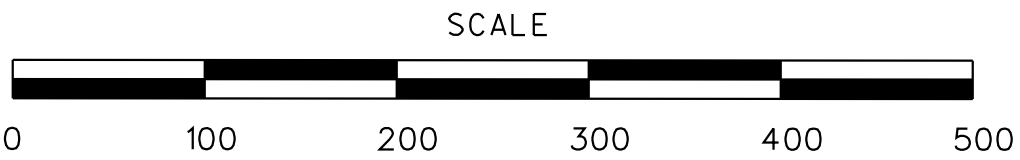
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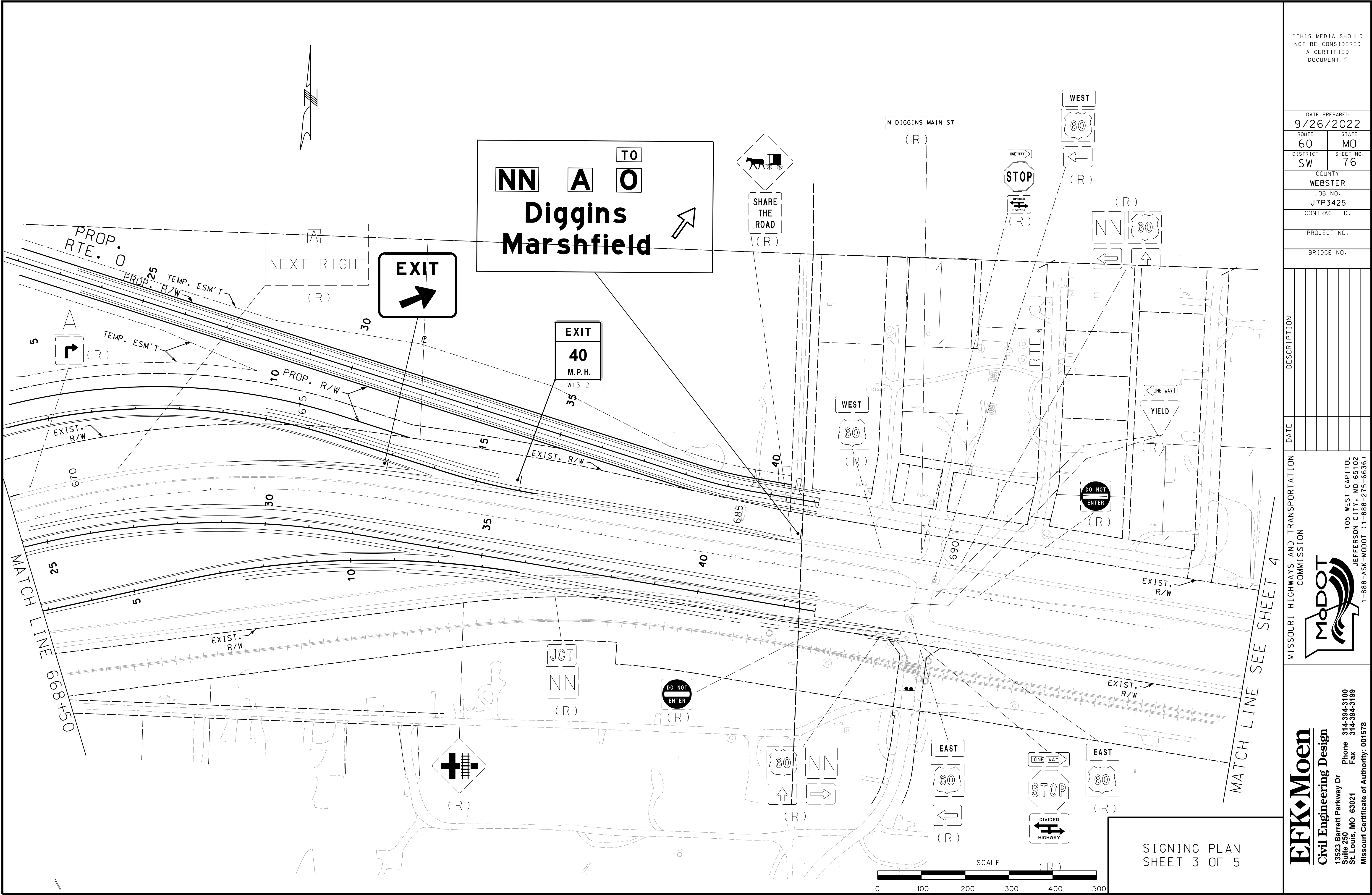
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SHEET 1 OF 5



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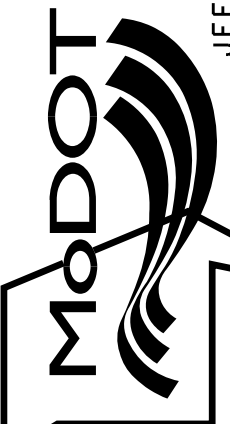
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SHEET 3 OF 5

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DISTRICT	SHEET NO.
SW	77

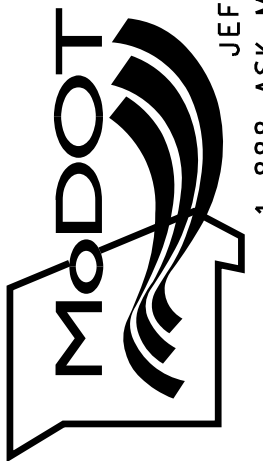
COUNTY
WEBSTER

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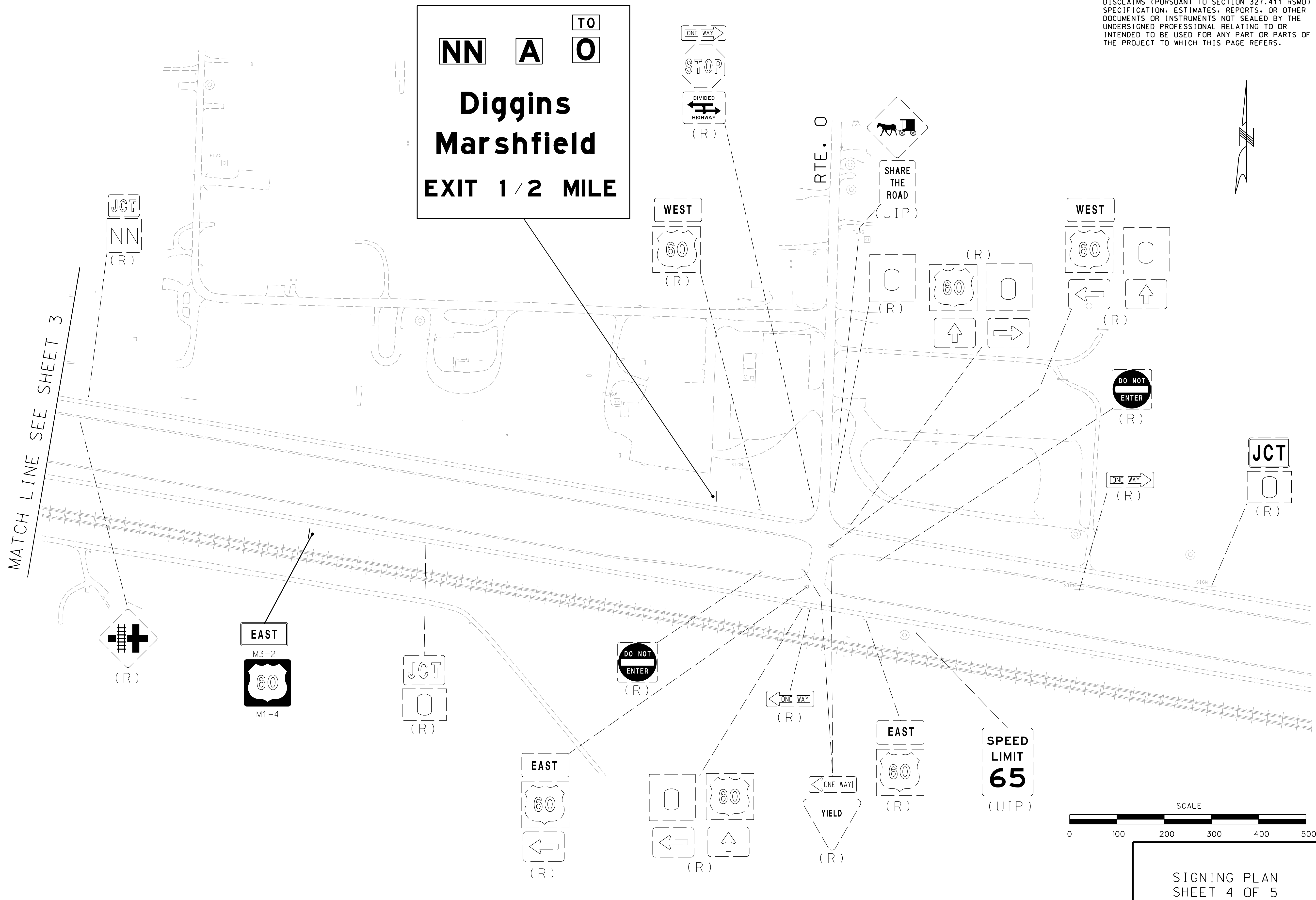
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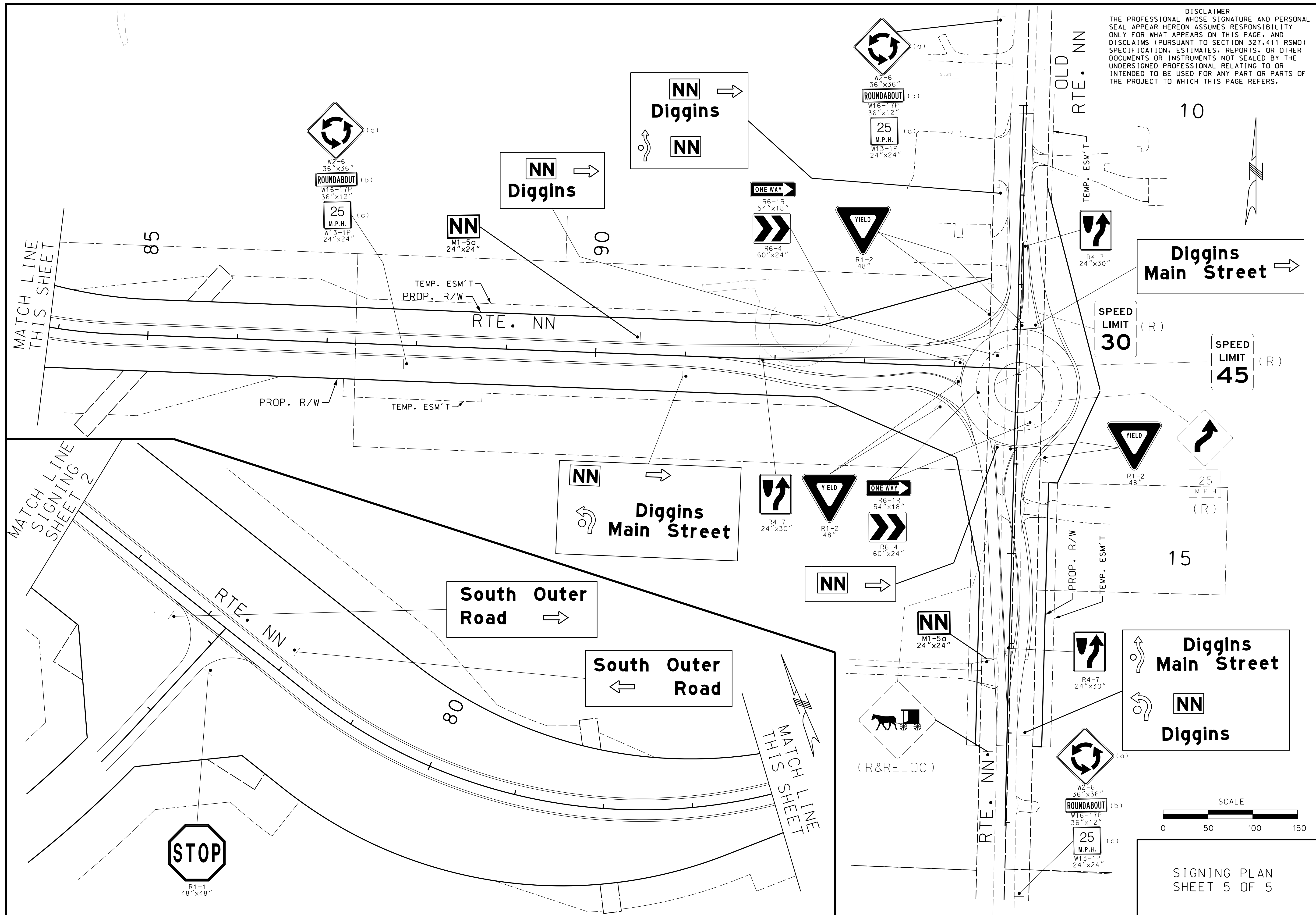
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SIGNING PLAN
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DISTRICT SW	SHEET NO. 79

COUNTY
WEBSTER

JOB NO.
J7P3425C

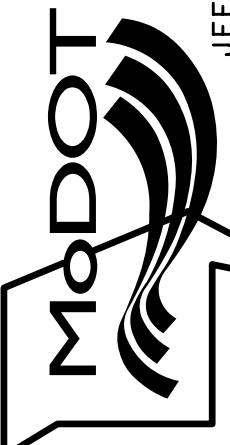
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BRIDGE NO.

DATE	DESCRIPTION

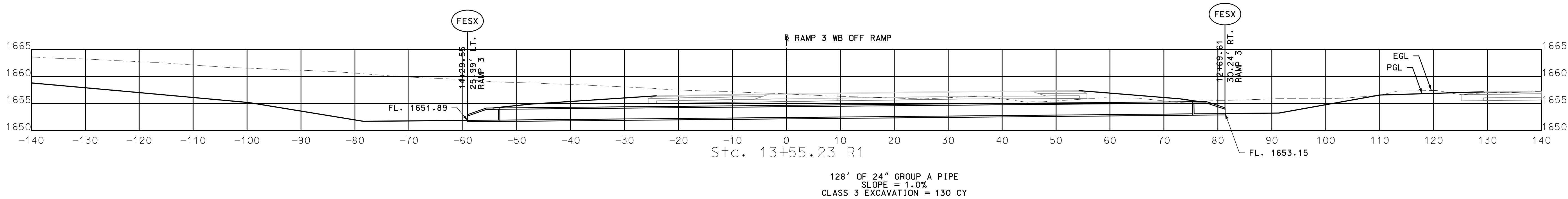
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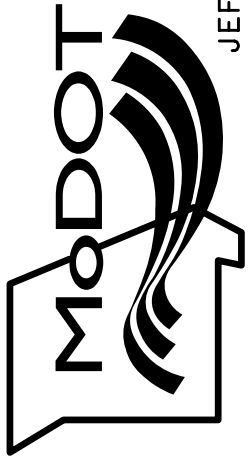
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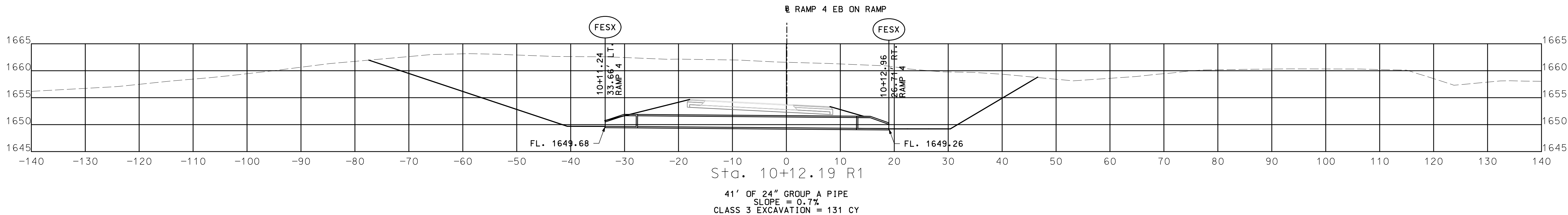
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2 OF 12

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DISTRICT	SHEET NO.
SW	81

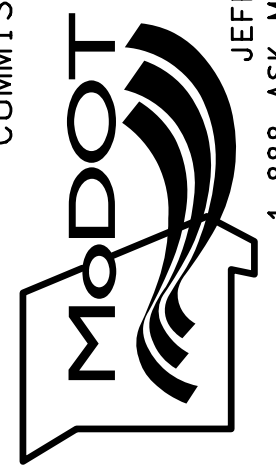
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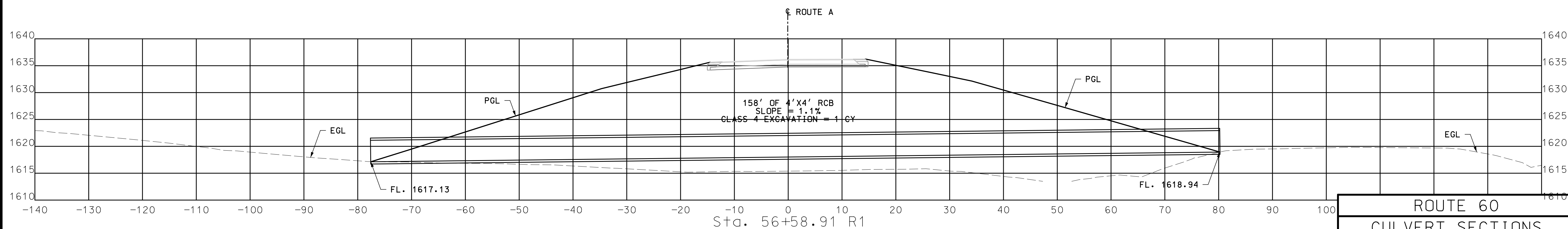
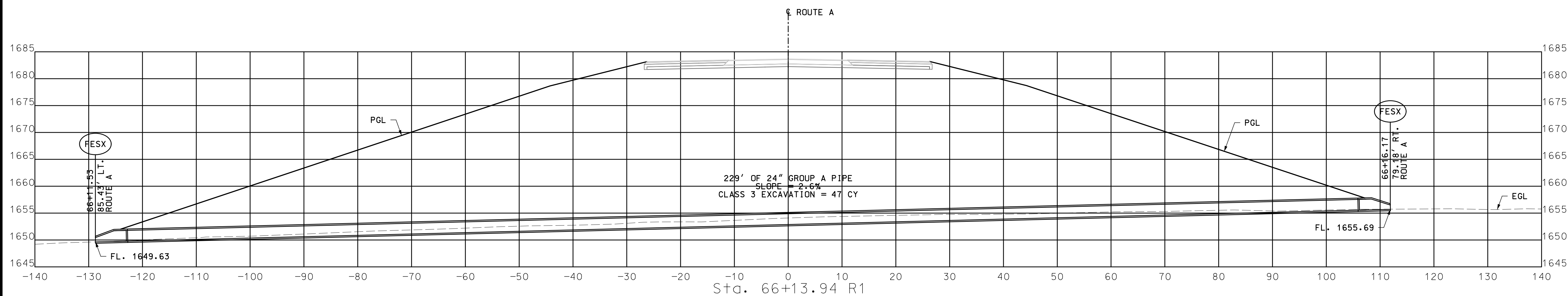
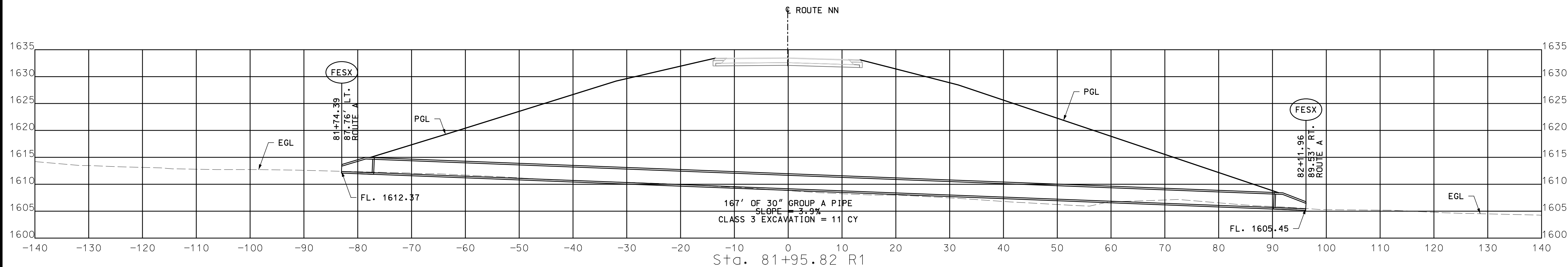
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60	MO
DISTRICT	SHEET NO.
SW	82

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WEBSTER

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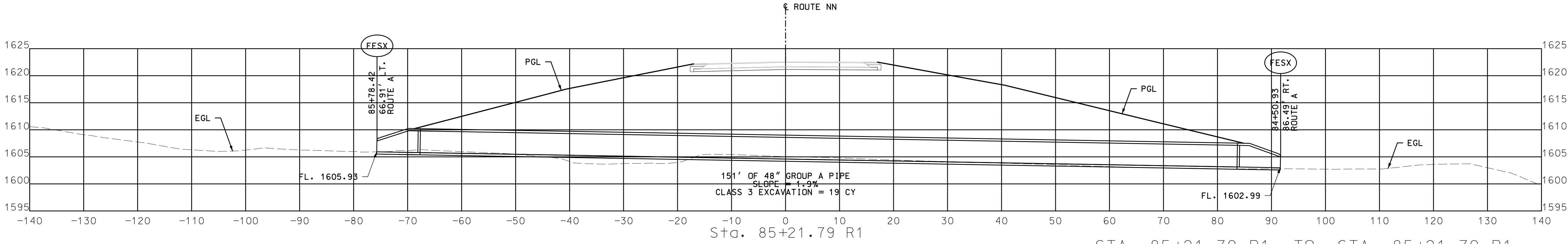
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CULVERT SECTIONS
4 OF 12

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83

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WEBSTER

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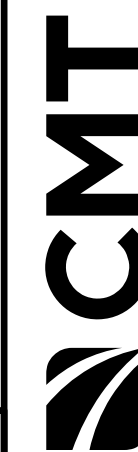
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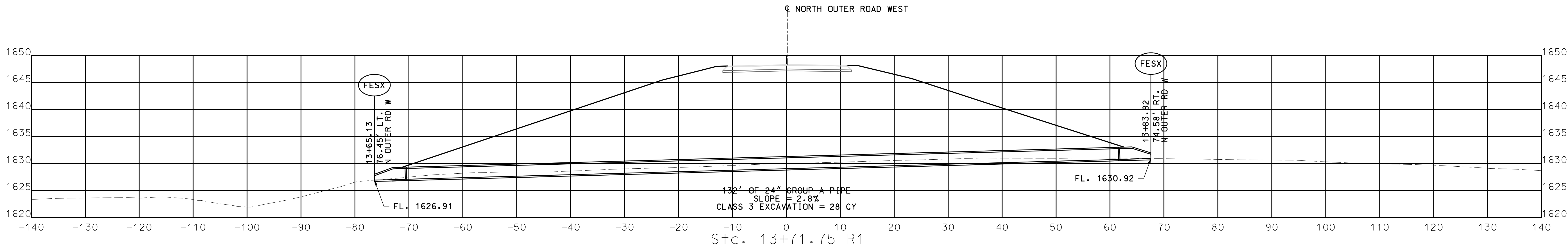
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5 OF 12

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60 MO

DISTRICT SHEET NO.

SW 84

COUNTY

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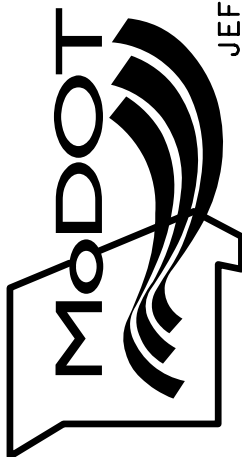
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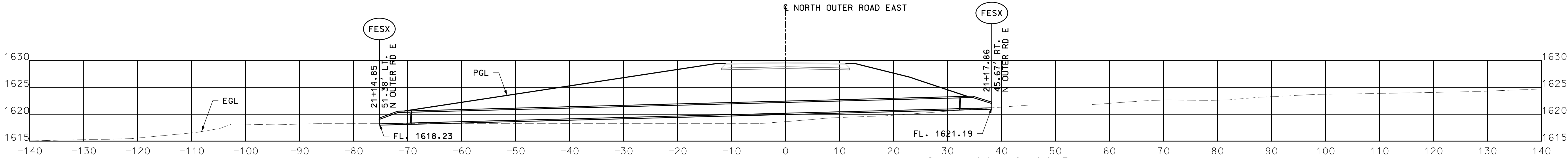
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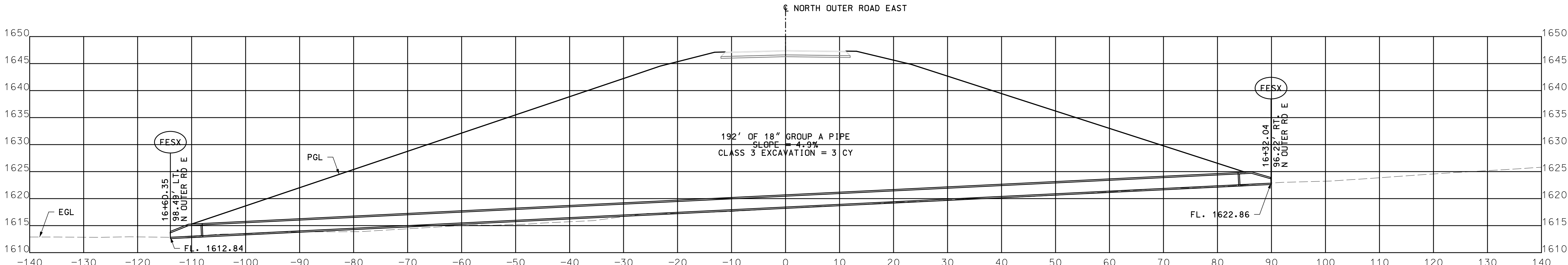
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ROUTE 60

CULVERT SECTIONS
6 OF 12



102' OF 24" GROUP A PIPE
SLOPE = 2.6%
CLASS 3 EXCAVATION = 1 CY



192' OF 18" GROUP A PIPE
SLOPE = 4.9%
CLASS 3 EXCAVATION = 3 CY

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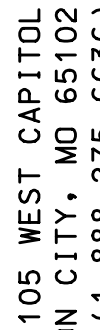
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1. *Journal of the American Medical Association*, 2000; 283: 2686-2692.

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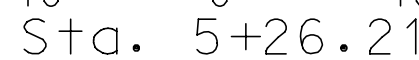
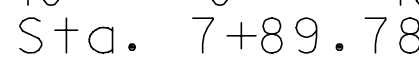
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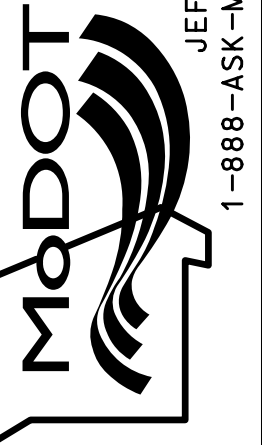
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J7P3425C
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PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

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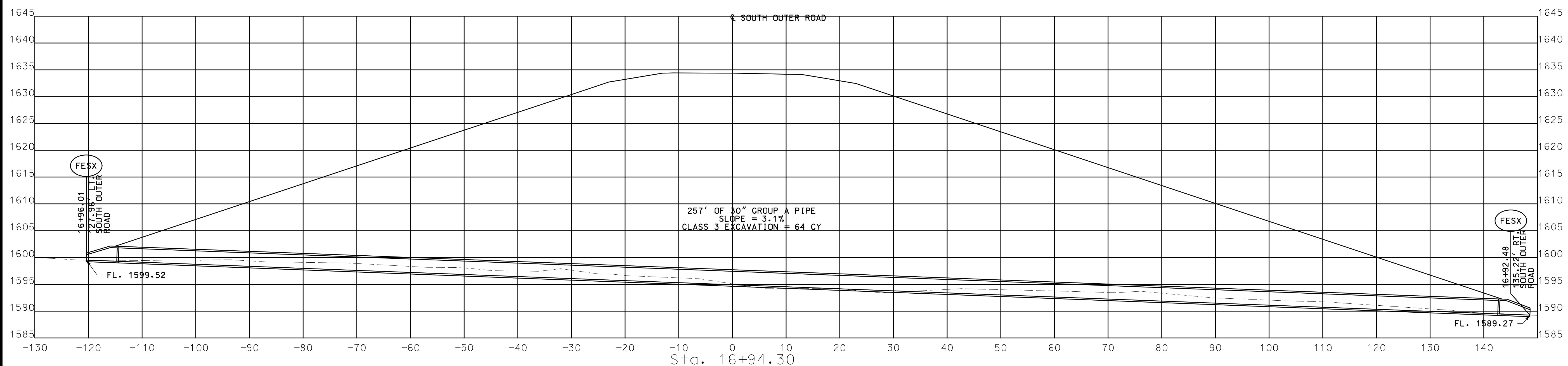
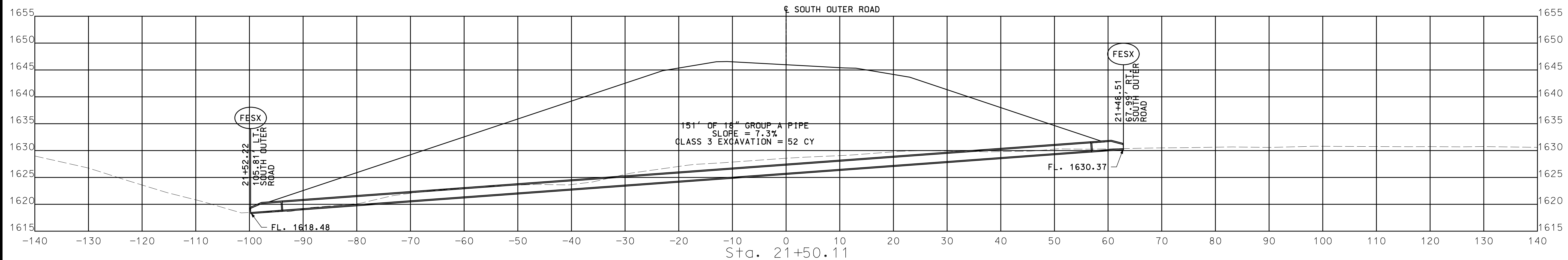
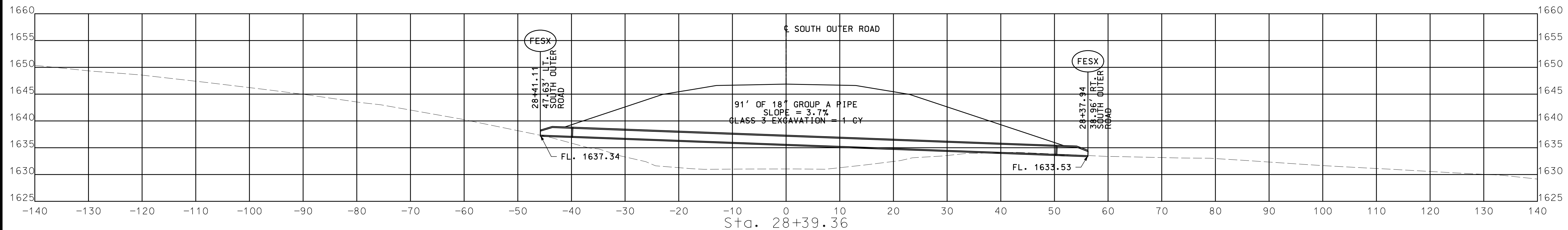
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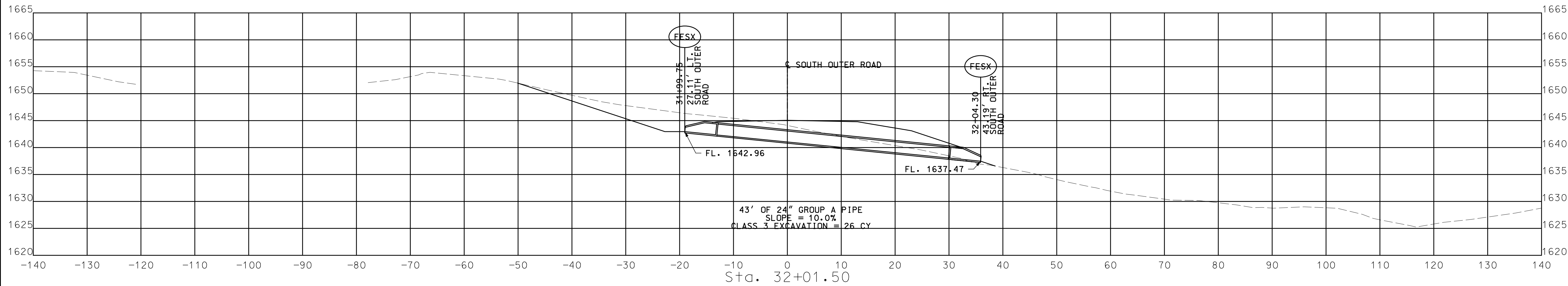
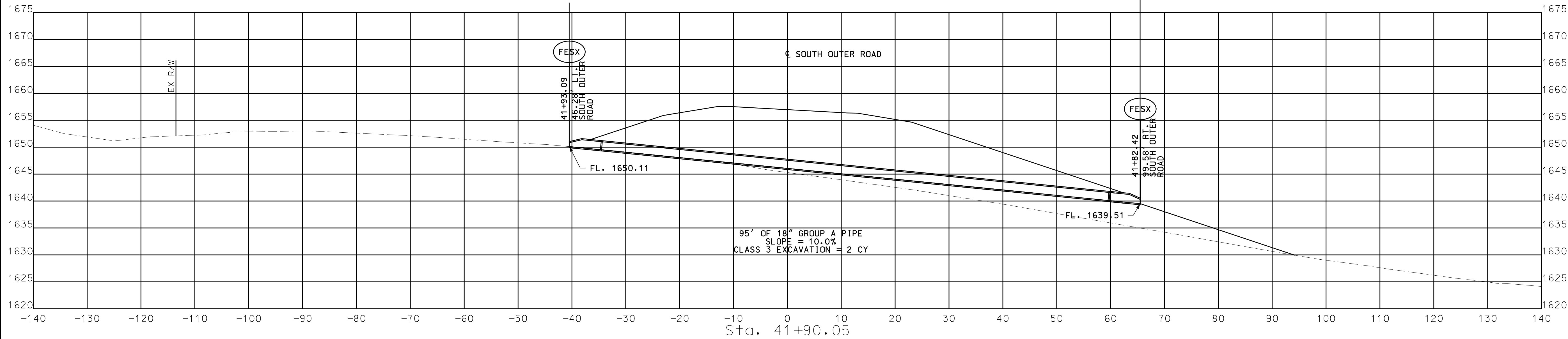
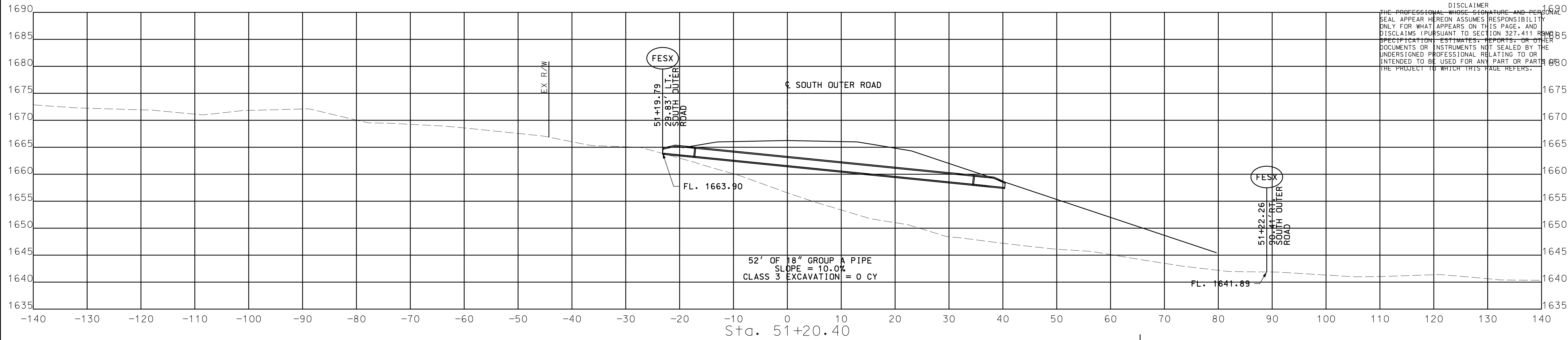
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ROUTE 60 CULVERT SECTIONS 8 OF 12



ROUTE 60
CULVERT SECTIONS
9 OF 12

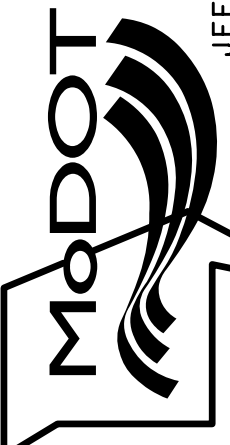
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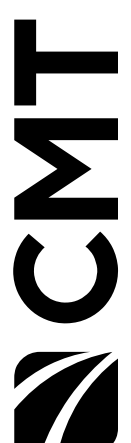
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COUNTY WEBSTER	
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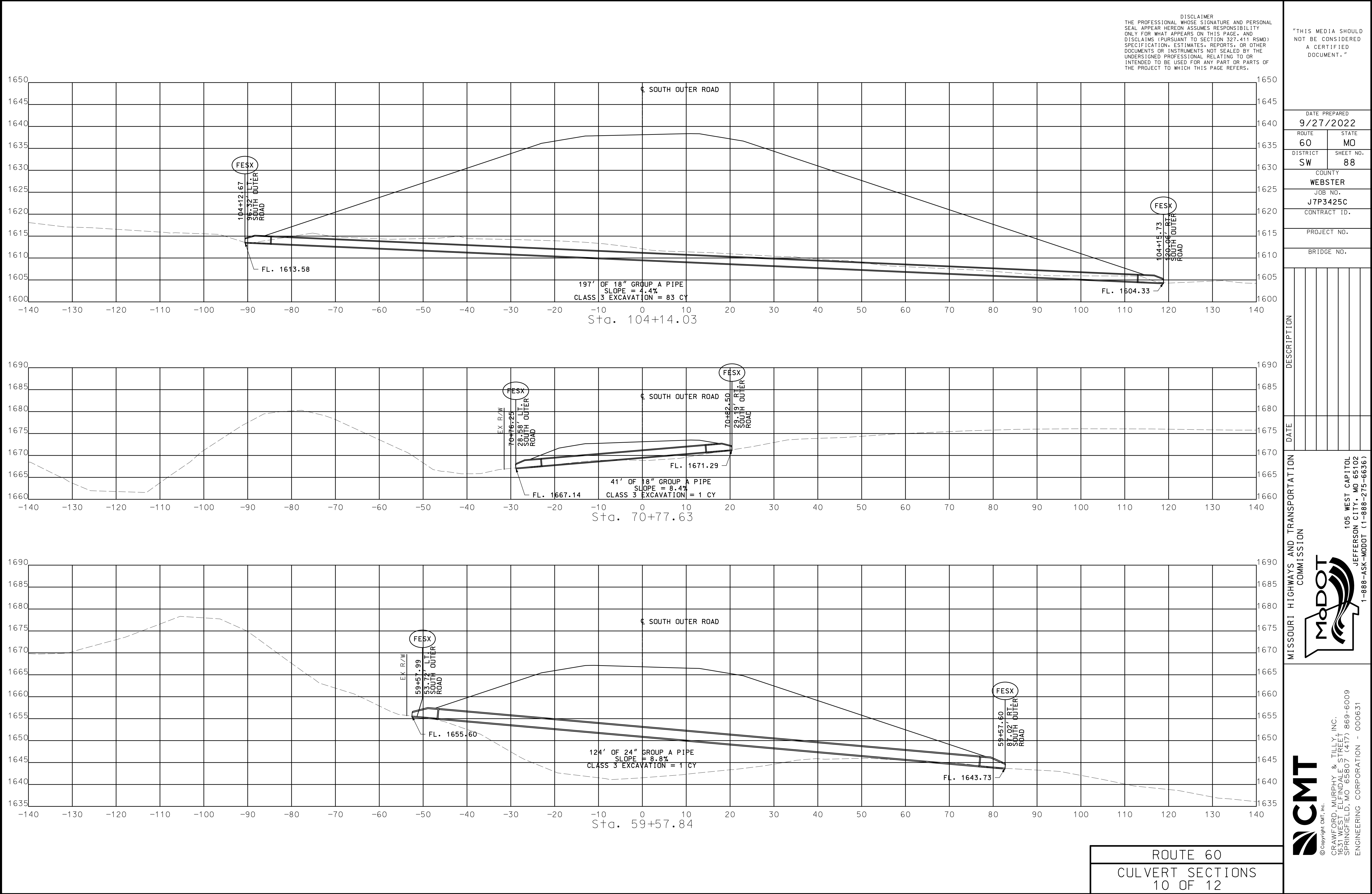
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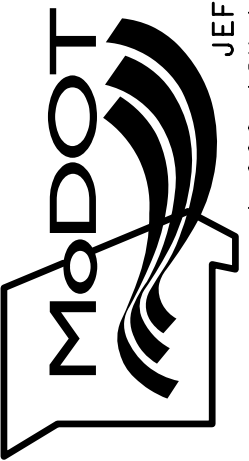
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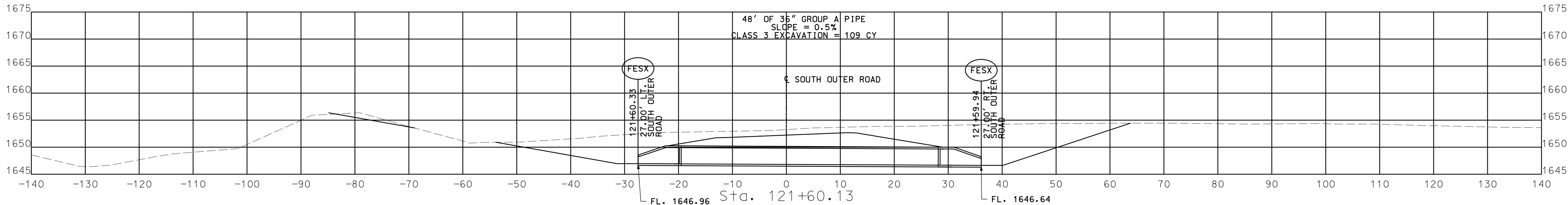
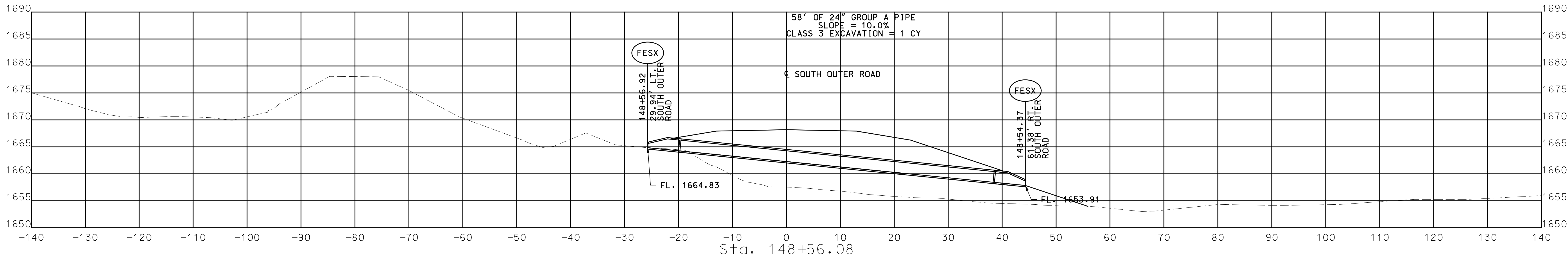
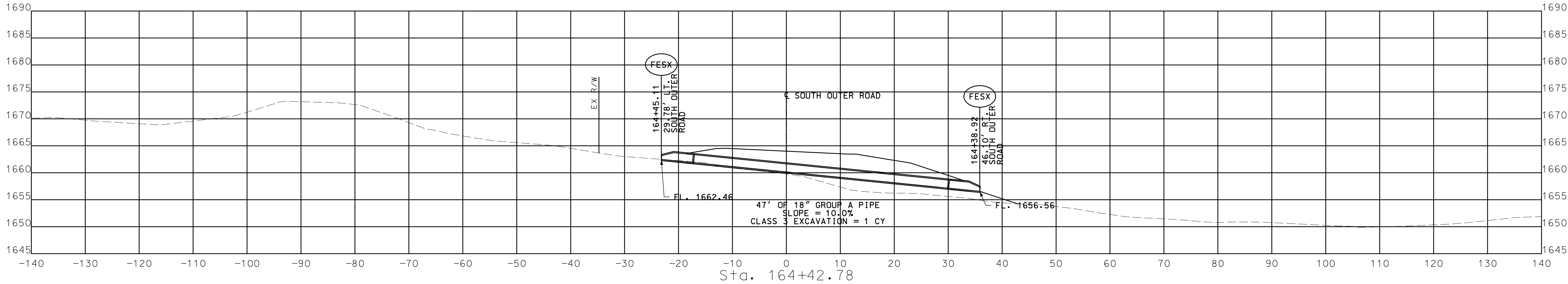
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ROUTE 60
CULVERT SECTIONS
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DATE PREPARED

9/27/2022

ROUTE STATE
60 MO

DISTRICT SHEET NO.
SW 90

COUNTY

WEBSTER

JOB NO.

J7P3425C

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

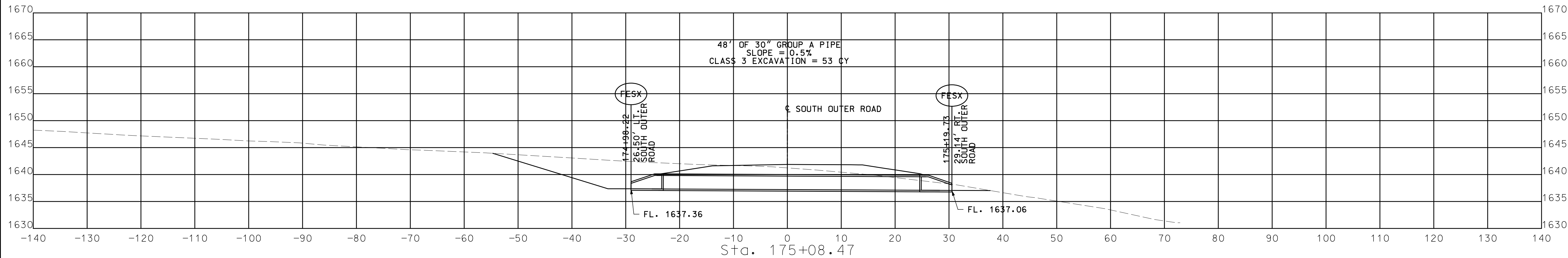
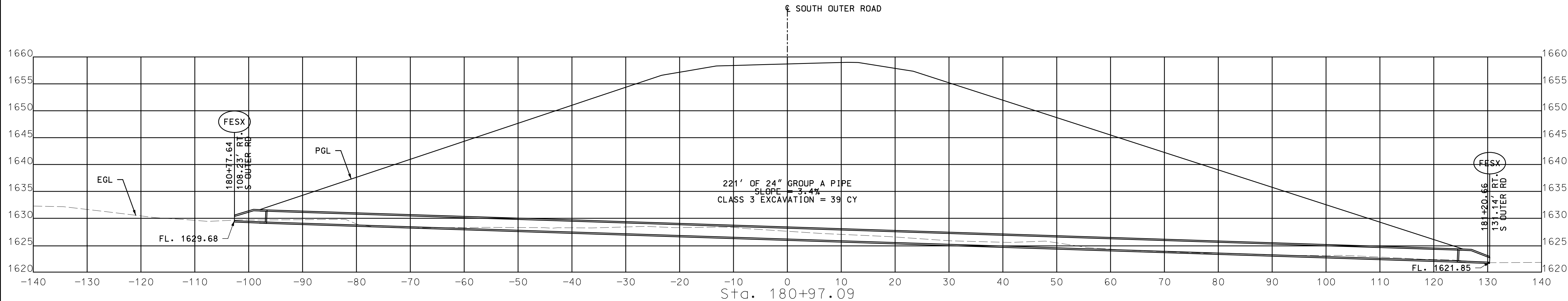


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