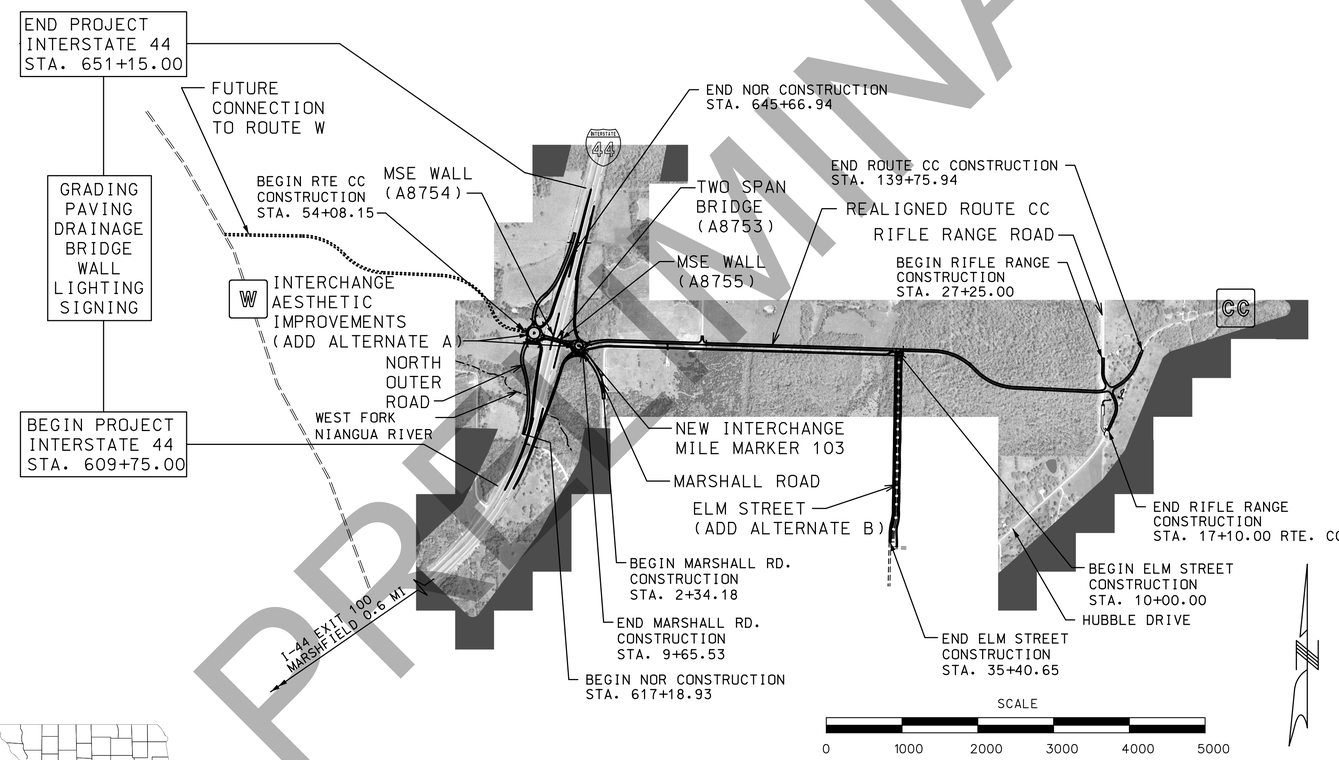
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
PLANS FOR PROPOSED
STATE HIGHWAY

WEBSTER COUNTY
TOWNSHIP 31N, RANGE 18W
SECTIONS 27, 34, 35

PRELIMINARY



DESIGN DESIGNATION

INTERSTATE 44

A.A.D.T. – 2020 = 39,900
A.A.D.T. – 2040 = 54,100
D.H.V. = 7%
T = 29%
V = 70 M.P.H.
D = 50%

FUNCTIONAL CLASSIFICATION–INTERSTATE

ROUTE CC

A.A.D.T. – 2020 = 12,500
A.A.D.T. – 2040 = 14,200
D.H.V. = 10%
T = 5%
V = 40 M.P.H.
D = 50%

FUNCTIONAL CLASSIFICATION–MINOR ARTERIAL

FULLY CONTROLLED ACCESS HIGHWAY

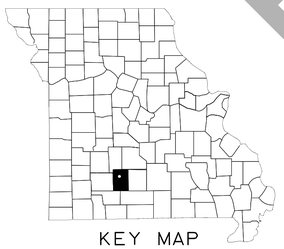
THIS SHALL BE A FULLY CONTROLLED ACCESS HIGHWAY BETWEEN STA. 19+25.84 AND STA. 43+13.47. NO ABUTTING OWNER SHALL HAVE THE RIGHT OF DIRECT ACCESS TO SAID HIGHWAY OR ITS RIGHT-OF-WAY EXCEPT THAT ACCESS WILL BE PERMITTED TO ANY ADJACENT OUTER ROADWAY OR SERVICE ROAD TO WHICH ACCESS IS NOT SPECIFICALLY PROHIBITED BY THE SPECIAL SYMBOL DENOTING "NO RIGHT OF ACCESS" AS SHOWN ON THE PLANS. NO ACCESS WILL BE PERMITTED FROM OUTER ROADWAYS AND SERVICE ROADS TO THROUGHWAYS EXCEPT ALONG ROUTES CONSTRUCTED FOR THAT PURPOSE. OUTER ROADWAYS AND SERVICE ROADS, AS THE CASE MAY BE, ARE SO DESIGNATED ON THE PLANS.

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

CONVENTIONAL SYMBOLS
(USED IN PLANS)

	EXISTING	NEW
BUILDINGS AND STRUCTURES		
GUARD RAIL		
GUARD CABLE		
CONCRETE RIGHT-OF-WAY MARKER		
STEEL RIGHT-OF-WAY MARKER		
LOCATION SURVEY MARKER		
UTILITIES		
FIBER OPTICS	-FO-	FO
OVERHEAD CABLE TV	-OTV-	OTV
UNDERGROUND CABLE TV	-UTV-	UTV
OVERHEAD TELEPHONE	-OT-	OT
UNDERGROUND TELEPHONE	-UT-	UT
OVERHEAD POWER	-OE-	OE
UNDERGROUND POWER	-UE-	UE
SANITARY SEWER	-S-	S
STORM SEWER	-SS-	SS
GAS	-G-	G
WATER	-W-	W
DITCH		
MANHOLE	SAN	
FIRE HYDRANT	HYD	
WATER VALVE	WV	
WATER METER	WM	
DROP INLET	DI	
DITCH BLOCK		
GROUND MOUNTED SIGN	SIGN	
LIGHT POLE		
H-FRAME POWER POLE		
TELEPHONE PEDESTAL	PED	
FENCE		
CHAIN LINK	V	
WOVEN WIRE	X	
GATE POST		
BENCHMARK	BM	

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES



KEY MAP
SHOWING LOCATION OF WEBSTER COUNTY

THE EXISTENCE AND APPROXIMATE LOCATION OF UTILITY FACILITIES KNOWN TO EXIST, AS SHOWN ON THE PLANS, ARE BASED ON THE BEST INFORMATION AVAILABLE TO THE COMMISSION AT THIS TIME. THIS INFORMATION IS PROVIDED BY THE COMMISSION "AS-IS" AND THE COMMISSION EXPRESSLY DISCLAIMS ANY REPRESENTATION OR WARRANTY AS TO THE COMPLETENESS, ACCURACY, OR SUITABILITY OF THE INFORMATION FOR ANY USE. RELIANCE UPON THIS INFORMATION IS DONE AT THE RISK AND PERIL OF THE USER, AND THE COMMISSION SHALL NOT BE LIABLE FOR ANY DAMAGES THAT MAY ARISE FROM ANY ERROR IN THE INFORMATION.

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CROSS SECTION INDEX (XS)	193-194

LENGTH OF PROJECT

I-44		
BEGINNING OF PROJECT	STA. 609+75.00	
END OF PROJECT	STA. 651+15.00	
APPARENT LENGTH	4140.00	FEET
EQUATIONS AND EXCEPTIONS:	NONE	
ROUTE CC		
BEGINNING OF PROJECT	STA. 54+08.15	
END OF PROJECT	STA. 139+75.94	
APPARENT LENGTH	8567.79	FEET
EQUATIONS AND EXCEPTIONS:	NONE	
NORTH OUTER ROAD		
BEGINNING OF PROJECT	STA. 617+18.93	
END OF PROJECT	STA. 645+66.94	
APPARENT LENGTH	2848.01	FEET
EQUATIONS AND EXCEPTIONS	NONE	
RIFLE RANGE ROAD		
BEGINNING OF PROJECT	STA. 27+25.00	
END OF PROJECT	STA. 17+10.00	
APPARENT LENGTH	1015.00	FEET
EQUATIONS AND EXCEPTIONS	NONE	
MARSHALL ROAD		
BEGINNING OF PROJECT	STA. 2+34.18	
END OF PROJECT	STA. 9+65.53	
APPARENT LENGTH	731.35	FEET
EQUATIONS AND EXCEPTIONS	NONE	
ELM STREET		
BEGINNING OF PROJECT	STA. 10+00.00	
END OF PROJECT	STA. 35+40.65	
APPARENT LENGTH	2540.65	FEET
EQUATIONS AND EXCEPTIONS	NONE	
PROJECT		
TOTAL CORRECTIONS	0.00	
NET LENGTH OF PROJECT	19,842.80	FEET
STATE LENGTH	3.758	MILES

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DATE PREPARED: 3/11/2019
ROUTE: I-44 | STATE: MO
DISTRICT: SW | SHEET NO.: 1
COUNTY: WEBSTER
JOB NO.: J8I0445
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

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

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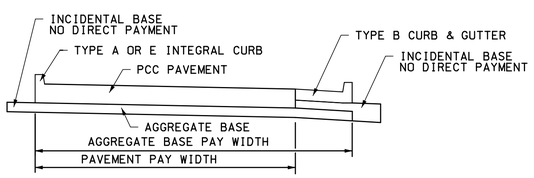
THE THINNER PAVEMENT ALTERNATE OF EACH ALTERNATE PAIR WAS USED IN THE COMPUTATION OF EARTHWORK FOR THIS PROJECT.

CATEGORY	BASE TYPE	HMA DESIGN	PCCP DESIGN
I-44 ACCEL/DECEL LANES RAMP 1-4 NEW ROUTE CC	6" TYPE 5 OR 7 AGGREGATE BASE	11.0" HMA 1-3/4" SP125C W/ PG 70-22 OVER 3" SP250C W/ PG 70-22 OVER 6-1/4" SP250C W/ PG 64-22	9.0" PCCP W/ 1-1/4" DOWELS 15 FT JOINT SPACING
	12" ROCK BASE*	9.0" HMA 1-3/4" SP125C W/ PG 70-22 OVER 3" SP250C W/ PG 70-22 OVER 4-1/4" SP250C W/ PG 64-22	8.5" PCCP W/ 1-1/4" DOWELS 15 FT JOINT SPACING
ROUTE CC E/O MARSHALL RD MARSHALL RD ELM STREET I-44 NORTH OUTER RD RIFLE RANGE RD	6" TYPE 5 OR 7 AGGREGATE BASE	9.0" HMA 1-3/4" SP125C W/ PG 64-22 OVER 3" SP250C W/ PG 64-22 OVER 4-1/4" SP250C W/ PG 64-22	8.0" PCCP W/ 1-1/4" DOWELS 15 FT JOINT SPACING
	12" ROCK BASE*	8.0" HMA 1-3/4" SP125C W/ PG 64-22 OVER 3" SP250C W/ PG 64-22 OVER 3-1/4" SP250C W/ PG 64-22	8.0" PCCP W/ 1-1/4" DOWELS 15 FT JOINT SPACING

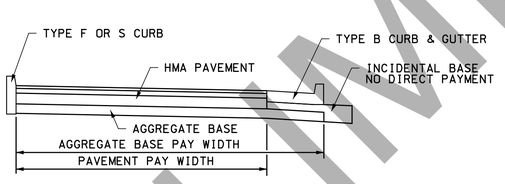
* SEE JSPs FOR INFORMATION REGARDING THE USE OF ROCK BASE.

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.

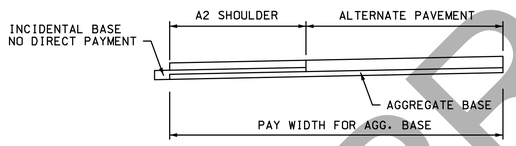
ASPHALT APPLICATION RATES:
ASPHALTIC CONCRETE MIXTURE PG 70-22 (SP125C MIX)= 1.975 @ 5.2%
ASPHALTIC CONCRETE MIXTURE PG 70-22 (SP250C MIX)= 2.000 @ 4.2%
ASPHALTIC CONCRETE MIXTURE PG 64-22 (SP125C MIX)= 1.975 @ 5.2%
ASPHALTIC CONCRETE MIXTURE PG 64-22 (SP250C MIX)= 1.990 @ 4.2%



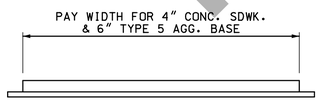
PCCP DESIGN



HMA DESIGN



TYPICAL PAY WIDTHS



MULTI-USE TRAIL

PRELIMINARY

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DATE PREPARED: 3/11/2019
ROUTE: I-44 | STATE: MO
DISTRICT: SW | SHEET NO.: 2
COUNTY: WEBSTER
JOB NO.: J8I0445
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION	DATE

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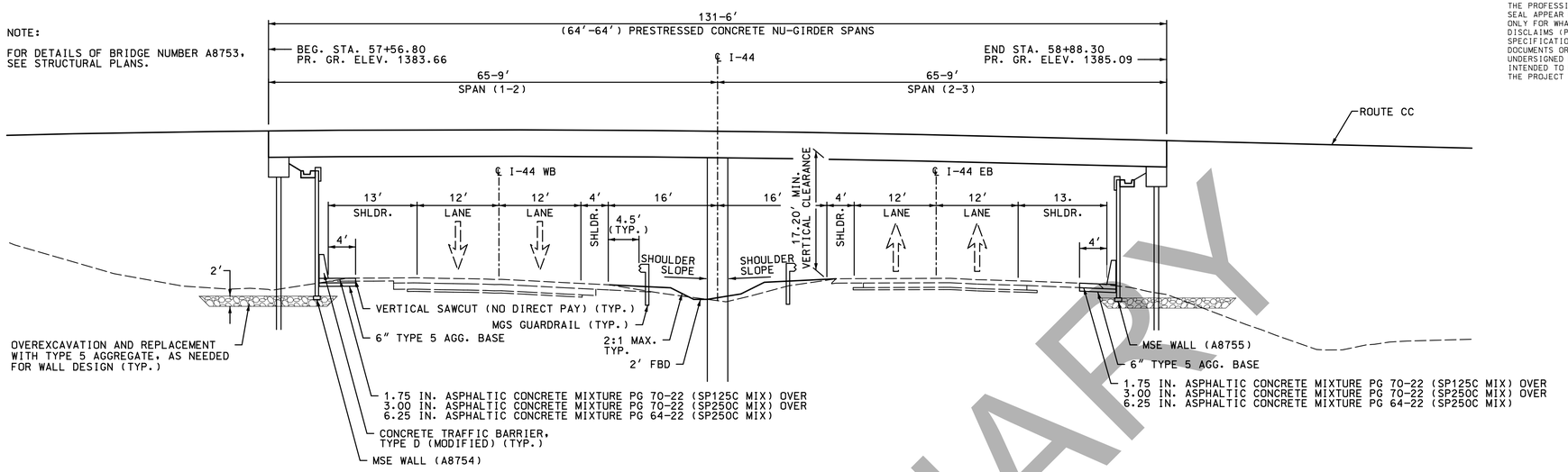
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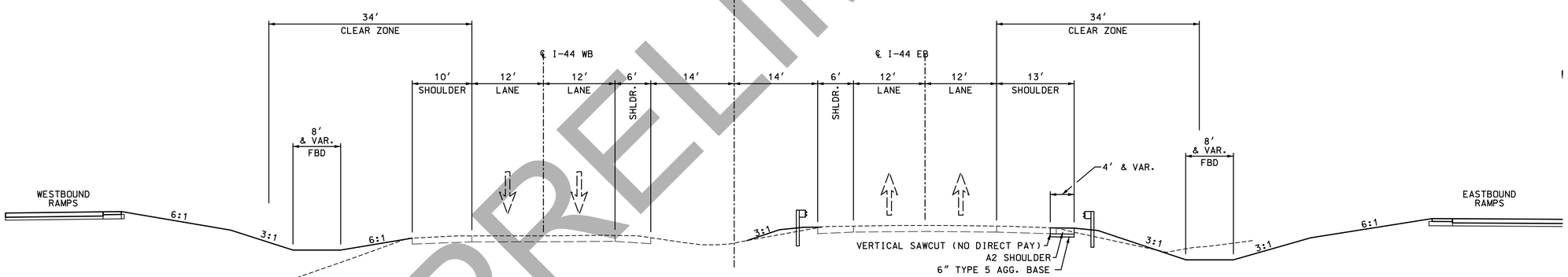
TYPICAL SECTIONS
SHEET 1 OF 23

NOTE:

FOR DETAILS OF BRIDGE NUMBER A8753, SEE STRUCTURAL PLANS.



1 I-44 UNDER PROPOSED BRIDGE (A8753)
STA. 629+76.20 TO STA. 631+61.20



2 I-44 ACCEL / DECEL LANES
STA. 621+55.64 TO STA. 629+76.20
STA. 631+61.20 TO STA. 639+26.79

NOTE:

ALL I-44 STATIONS REFERENCE WESTBOUND CENTERLINE.

ALTERNATES
A, C, E AND G

ASPHALT ALTERNATES

TYPICAL SECTIONS
SHEET 2 OF 23

PRELIMINARY

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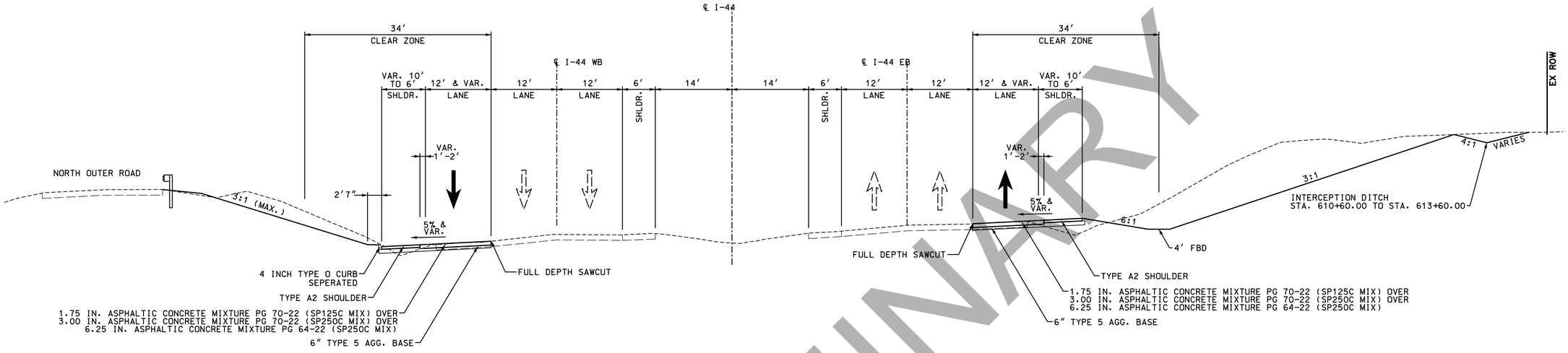
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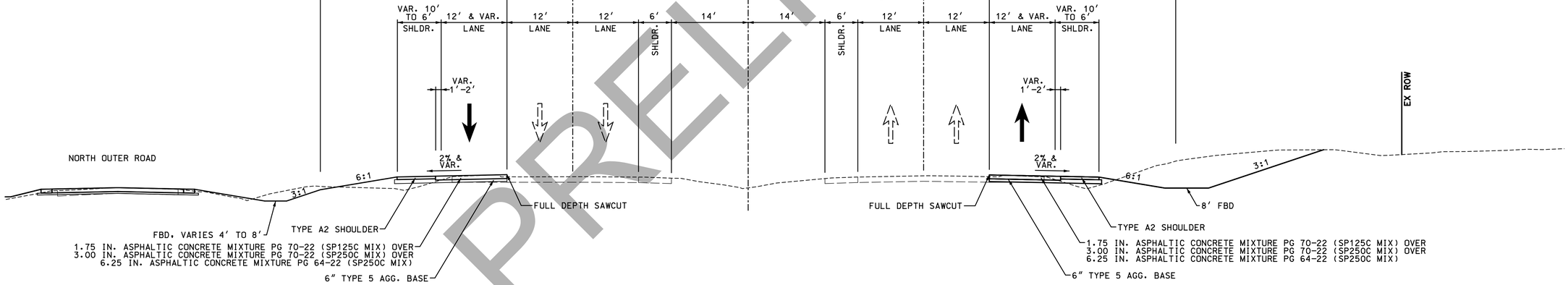
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3 I-44 ACCEL / DECEL LANES
STA. 609+75.00 TO STA. 616+91.72 (RAMP 2)
STA. 610+45.70 TO STA. 614+91.43 (RAMP 3)



4 I-44 ACCEL / DECEL LANES
STA. 645+14.81 TO STA. 651+15.00 (RAMP 1)
STA. 641+46.13 TO STA. 649+10.00 (RAMP 4)

ALTERNATES
A, C, E AND G

ASPHALT ALTERNATES

TYPICAL SECTIONS
SHEET 3 OF 23

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DESCRIPTION | DATE

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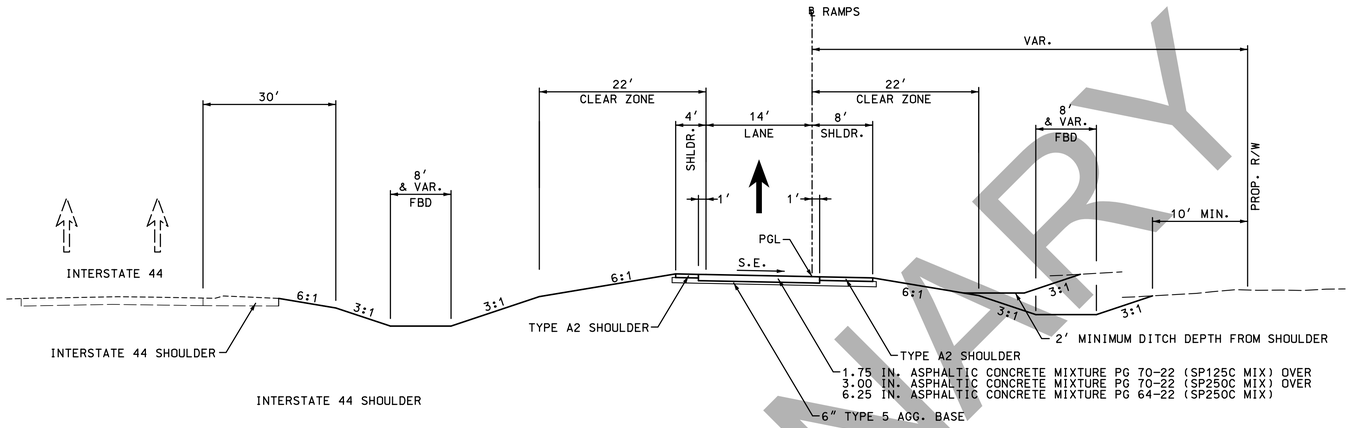
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SUPERELEVATION TABLE RAMP 2

2%	-2%
STA. 8+77.58	
2%	2%
STA. 9+89.58	
5.0%	5.0%
STA. 10+74.04	
5.0%	5.0%
STA. 13+24.12	
2%	2%
STA. 14+08.58	



SUPERELEVATION TABLE RAMP 4

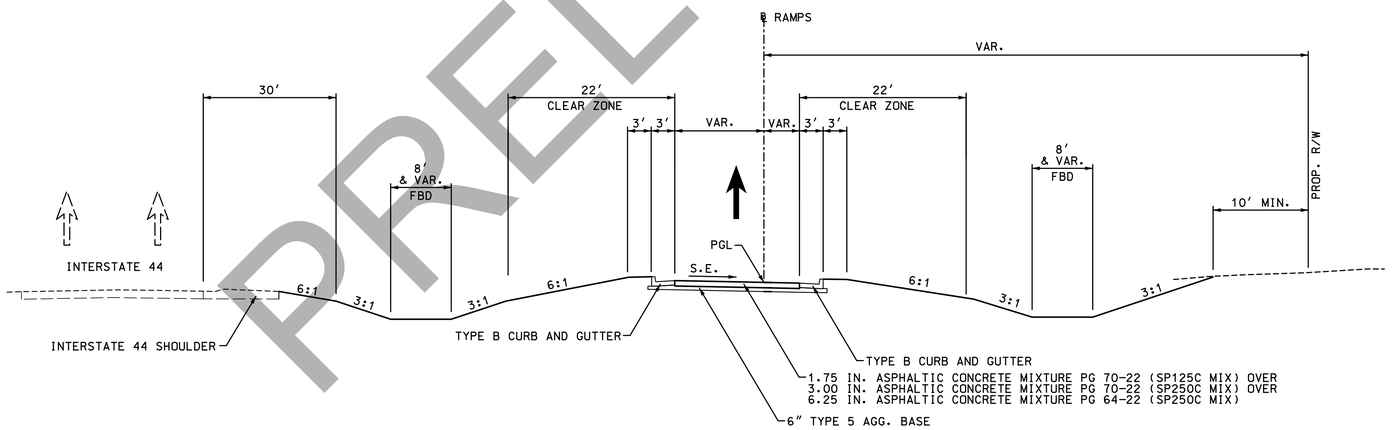
2%	-2%
STA. 6+49.01	
2%	2%
STA. 7+61.01	
5.0%	5.0%
STA. 8+45.47	
5.0%	5.0%
STA. 9+79.56	
2%	2%
STA. 10+64.02	

(5) RAMPS

RAMP 1 STA. 0+00.00 TO STA. 13+05.00
RAMP 2 STA. 1+40.00 TO STA. 10+70.00
RAMP 3 STA. 6+00.00 TO STA. 14+15.00
RAMP 4 STA. 1+05.00 TO STA. 10+19.79

SUPERELEVATION TABLE RAMP 1

2%	2%
STA. 0+00.00	
4.0%	4.0%
STA. 0+56.06	
4.0%	4.0%
STA. 2+80.59	
2%	2%
STA. 3+36.70	
2%	-2%
STA. 4+48.70	



SUPERELEVATION TABLE RAMP 3

2%	2%
STA. 0+10.38	
4.0%	4.0%
STA. 0+29.37	
4.0%	4.0%
STA. 5+68.64	
2%	2%
STA. 5+87.63	
2%	-2%
STA. 7+27.63	

(6) TYPICAL SECTION RAMPS

RAMP 1 STA. 13+05.00 TO STA. 13+88.23
RAMP 2 STA. 0+00.00 TO STA. 1+40.00
RAMP 3 STA. 14+15.00 TO STA. 15+84.38
RAMP 4 STA. 6+00.00 TO STA. 1+05.00

ALTERNATES
A, C, E AND G

ASPHALT ALTERNATES

TYPICAL SECTIONS
SHEET 4 OF 23

PRELIMINARY

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DATE PREPARED 3/11/2019
ROUTE I-44 | STATE MO
DISTRICT SW | SHEET NO. 2
COUNTY WEBSTER
JOB NO. J8I0445
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

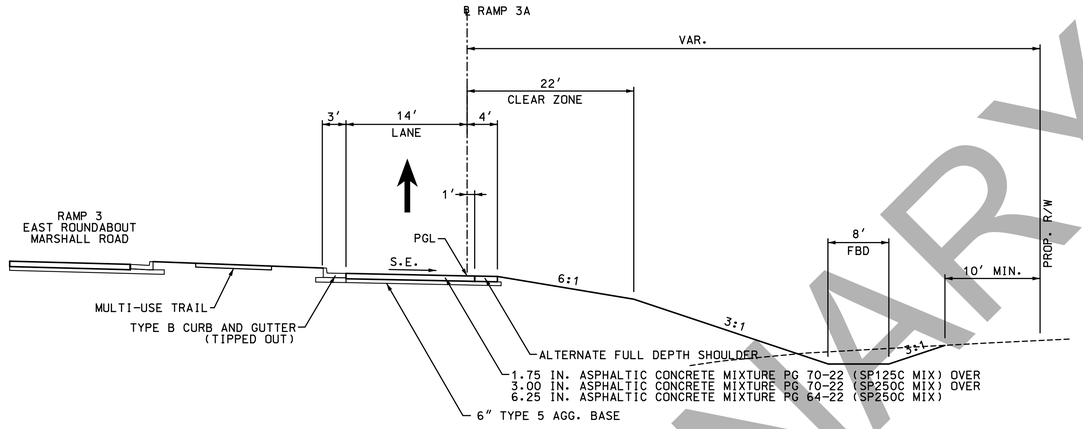
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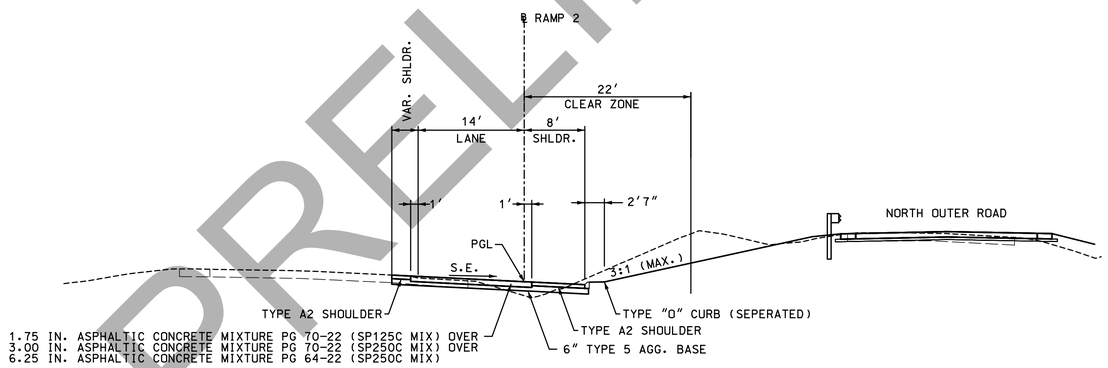
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7 RAMP 3A
STA. 0+00.00 TO STA. 4+31.30



8 RAMP 2
STA. 10+70.00 TO STA. 13+70.94

PRELIMINARY

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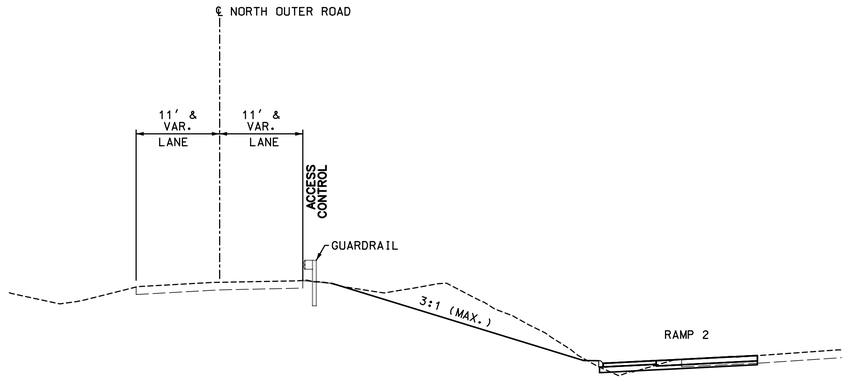
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ALTERNATES
A, C, E AND G

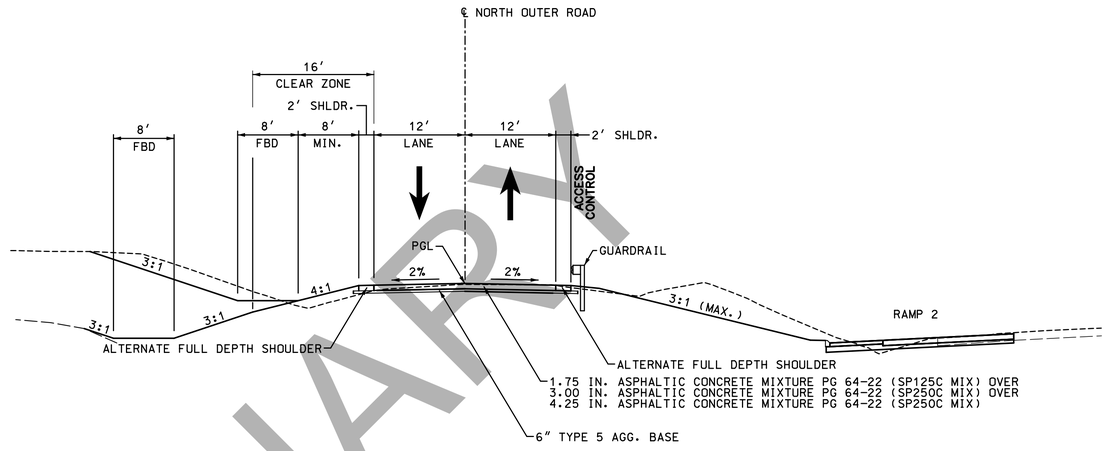
ASPHALT ALTERNATES

TYPICAL SECTIONS
SHEET 5 OF 23

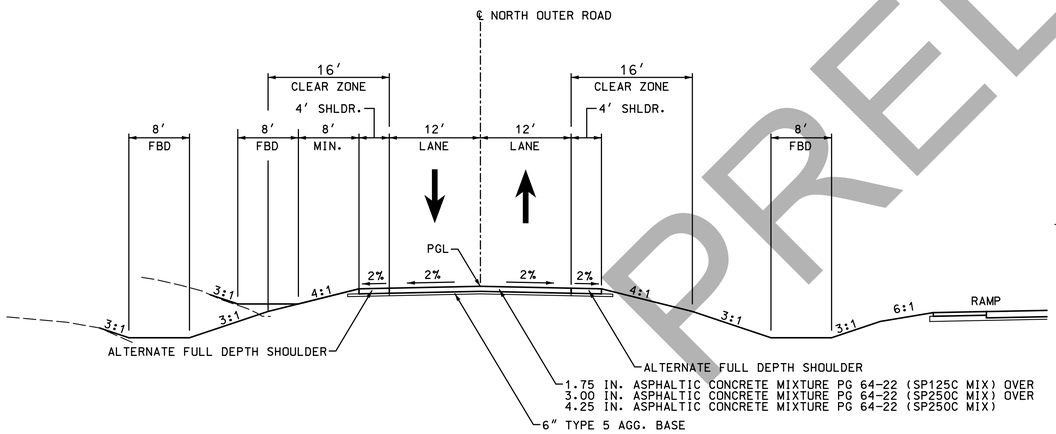
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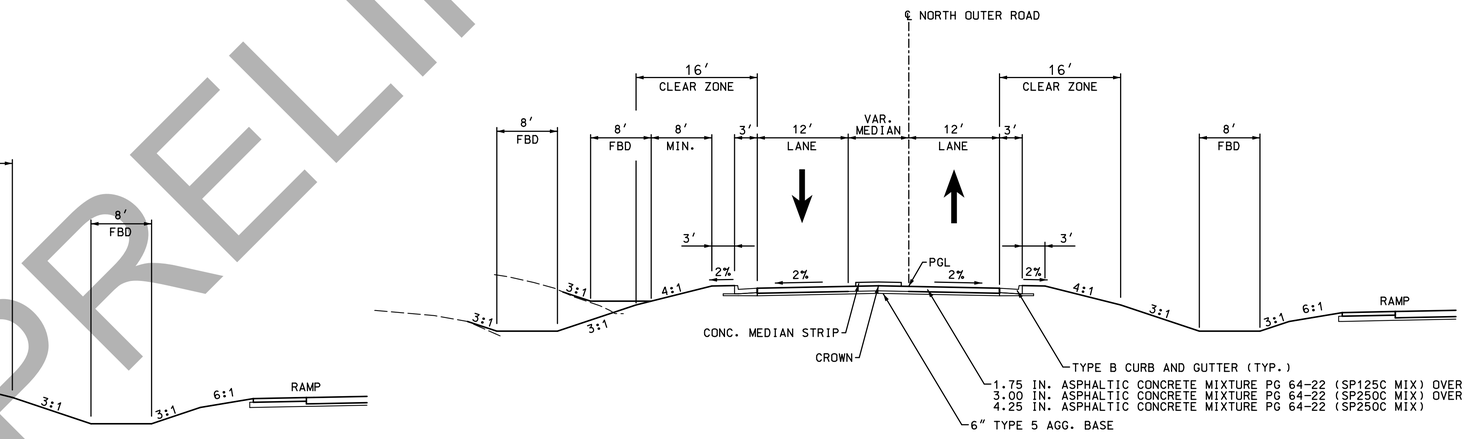
9 NORTH OUTER ROAD
STA. 615+00.00 TO STA. 617+18.93



10 NORTH OUTER ROAD
STA. 617+18.93 TO STA. 619+51.72



11 NORTH OUTER ROAD
STA. 619+51.72 TO STA. 629+25.00
STA. 632+20.00 TO STA. 645+66.96



12 NORTH OUTER ROAD
STA. 629+25.00 TO STA. 633+20.00

ALTERNATES
A, C, E AND G

ASPHALT ALTERNATES

TYPICAL SECTIONS
SHEET 6 OF 23

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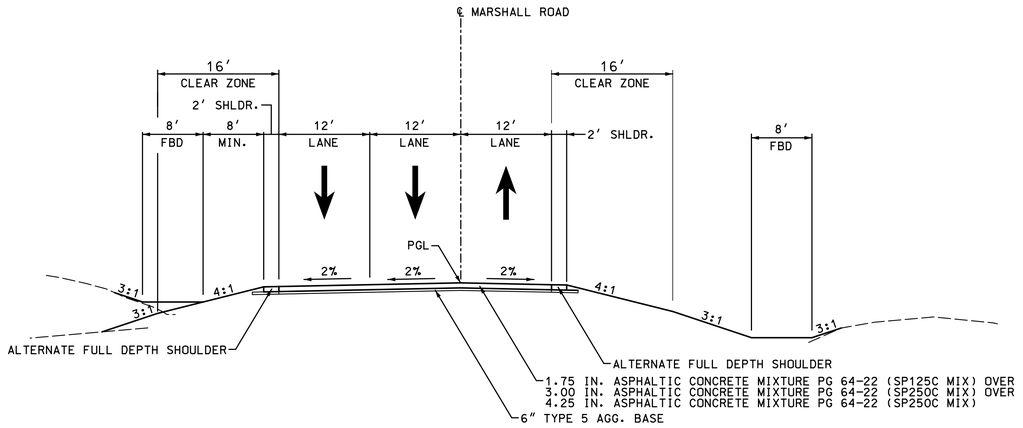
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ROUTE I-44 | STATE MO
DISTRICT SW | SHEET NO. 2
COUNTY WEBSTER
JOB NO. J8I0445
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

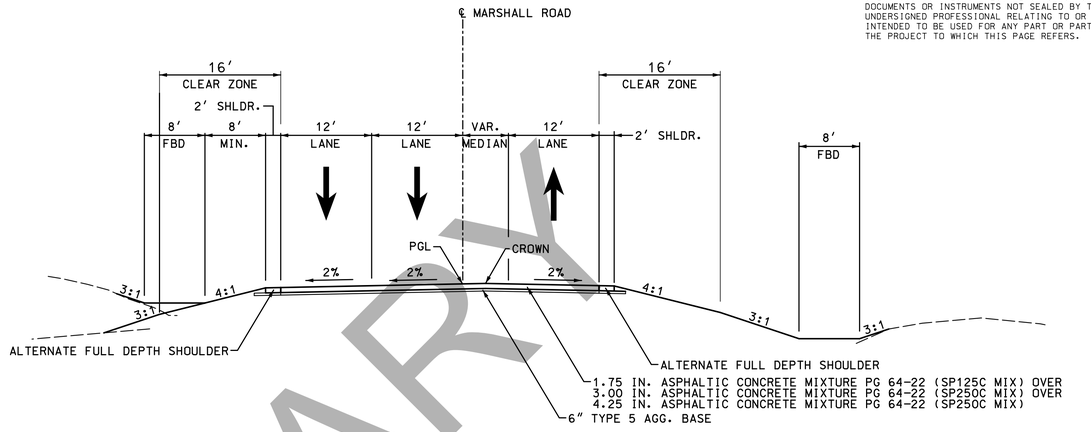
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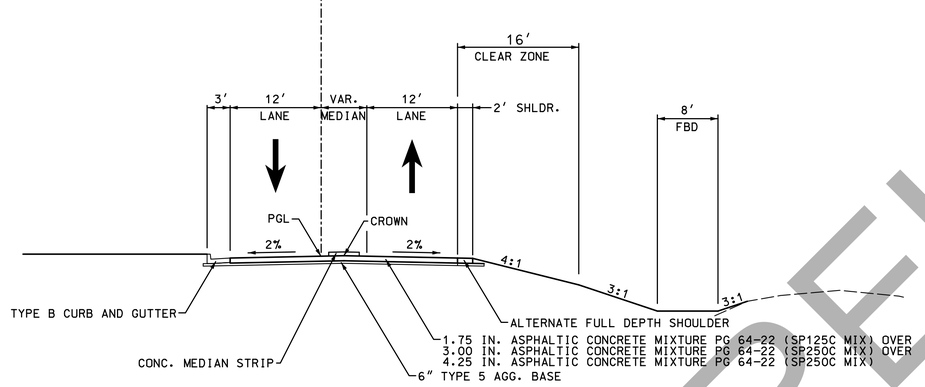
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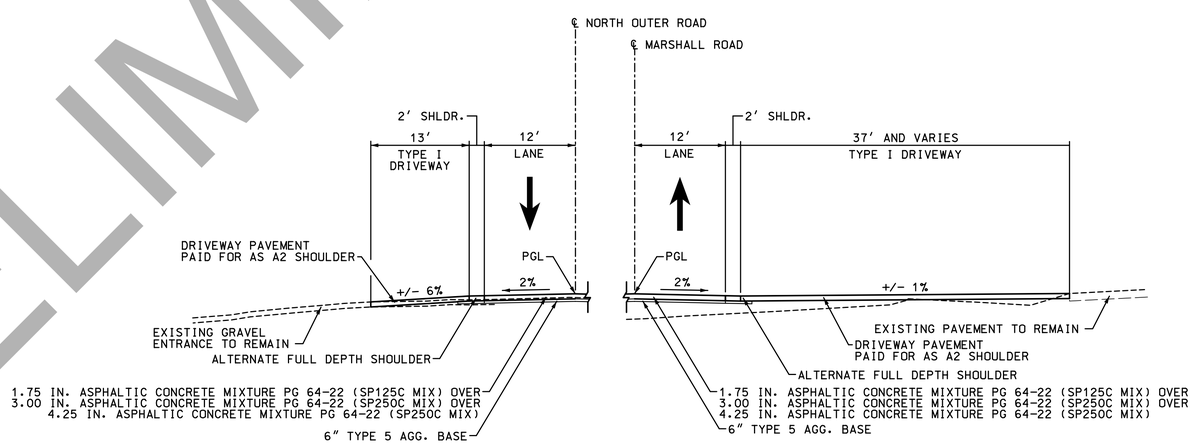
13 MARSHALL ROAD
STA. 2+34.21 TO STA. 7+00.65



14 MARSHALL ROAD
STA. 7+00.65 TO STA. 8+28.55



15 MARSHALL ROAD
STA. 8+28.55 TO STA. 9+65.53



16 TYPE I DRIVEWAY DETAIL
NORTH OUTER ROAD STA. 644+45.83 LT
MARSHALL ROAD STA. 5+36.69 RT

PRELIMINARY

ALTERNATES
A, C, E AND G

ASPHALT ALTERNATES

TYPICAL SECTIONS
SHEET 7 OF 23

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COUNTY WEBSTER
JOB NO. J8I0445
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

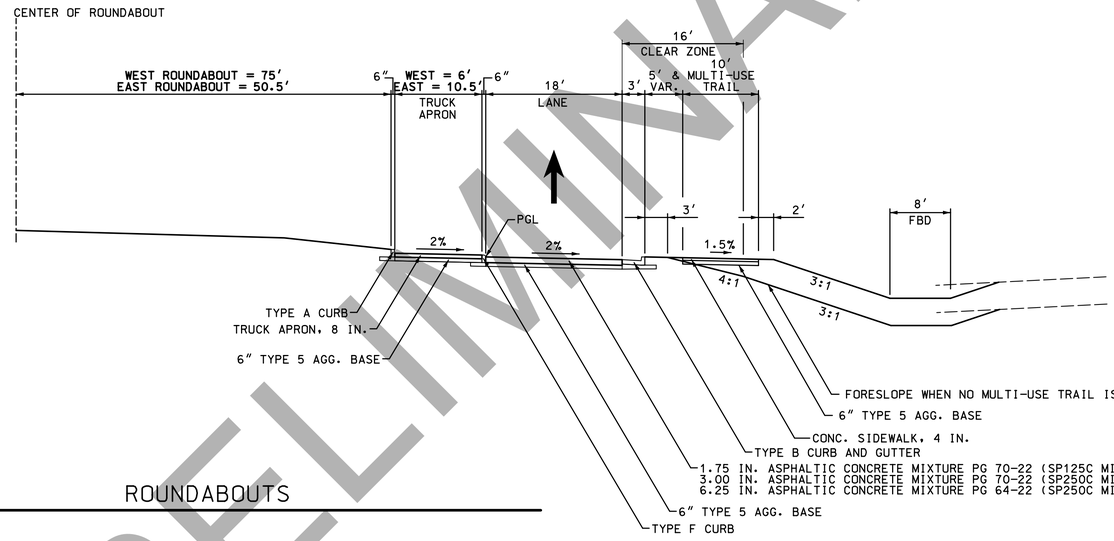
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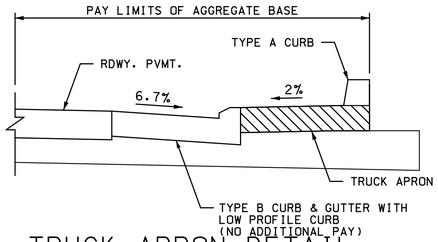
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PRELIMINARY



17 ROUNDABOUTS



TRUCK APRON DETAIL

ALTERNATES
A, C, E AND G

ASPHALT ALTERNATES

TYPICAL SECTIONS
SHEET 8 OF 23

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SW	2

COUNTY
WEBSTER

JOB NO.
J8I0445

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

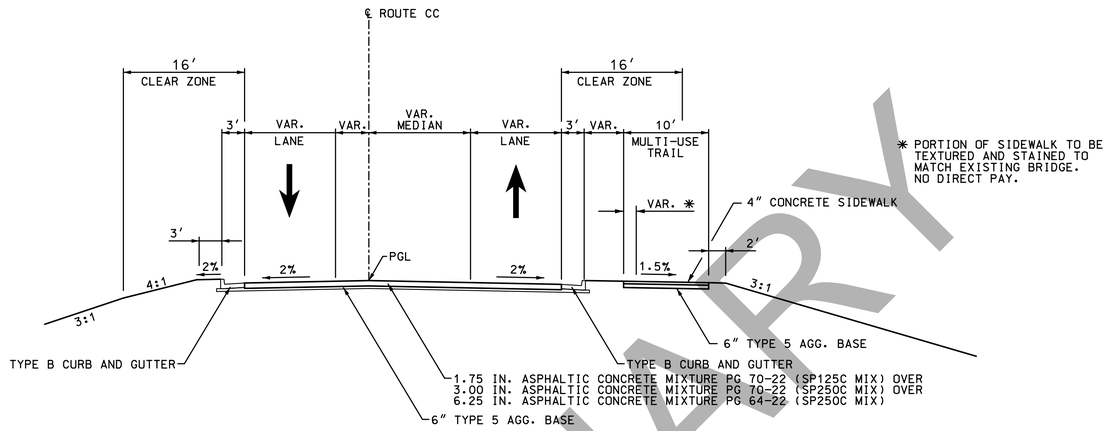
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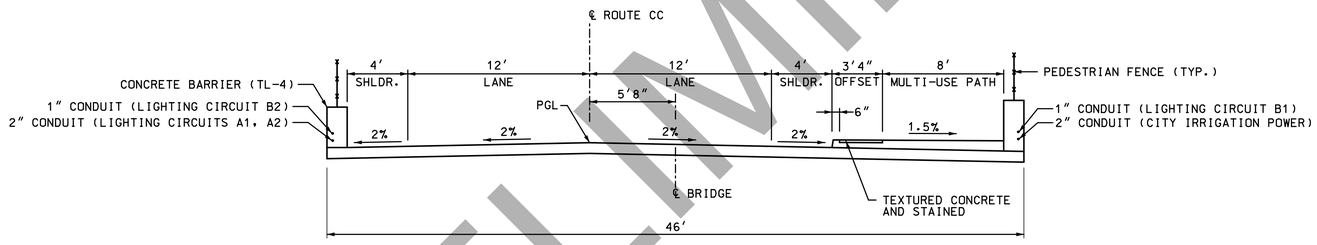
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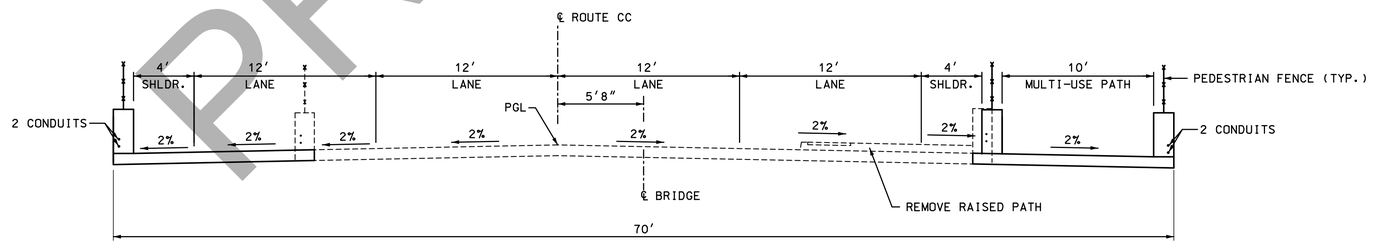


✱ PORTION OF SIDEWALK TO BE TEXTURED AND STAINED TO MATCH EXISTING BRIDGE. NO DIRECT PAY.

18 ROUTE CC
STA. 55+92.23 TO STA. 57+56.80
STA. 58+88.30 TO STA. 60+62.85



19 ROUTE CC BRIDGE (A8753)
STA. 57+56.80 TO STA. 58+88.30



20 ROUTE CC BRIDGE FUTURE WIDENING
ONLY USED TO DETERMINE FUTURE VERTICAL CLEARANCE

ALTERNATES
A, C, E AND G

ASPHALT ALTERNATES

TYPICAL SECTIONS
SHEET 9 OF 23

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DISTRICT SW | SHEET NO. 2
COUNTY WEBSTER
JOB NO. J8I0445
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

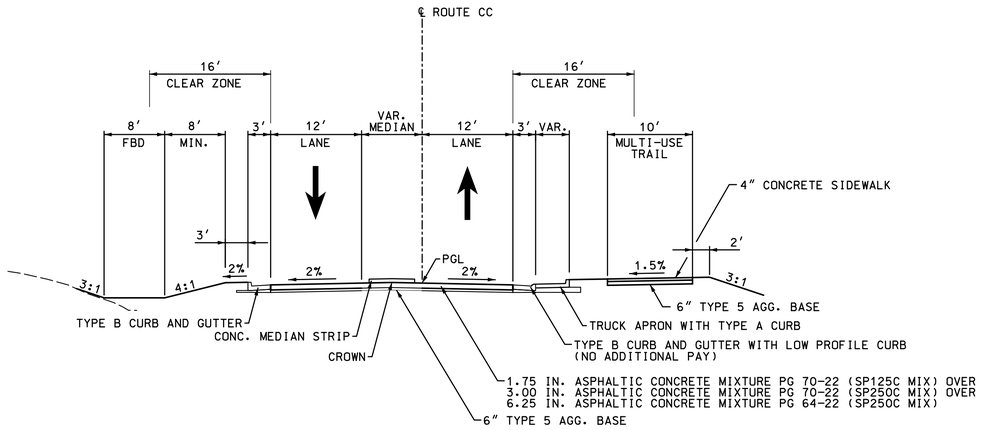
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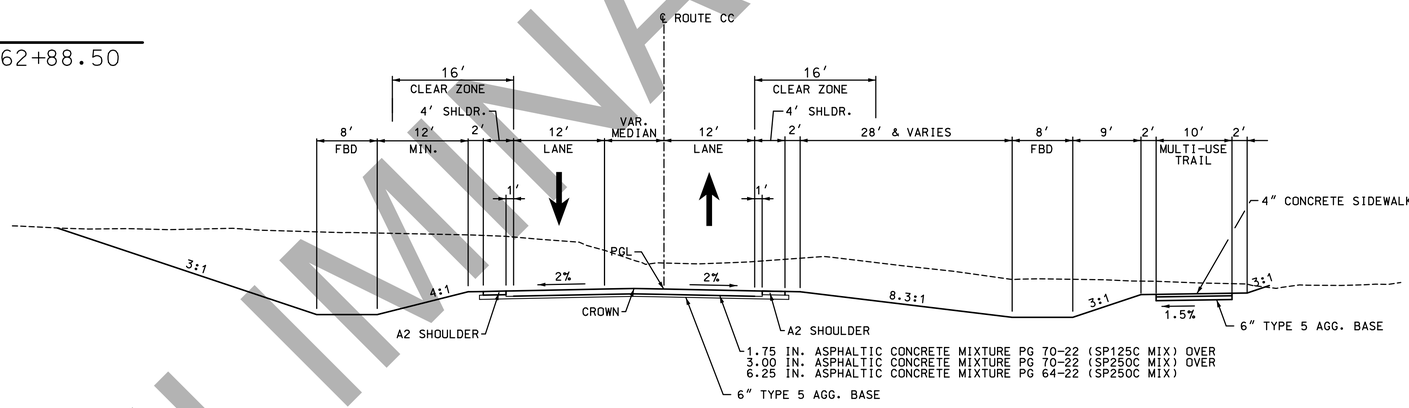
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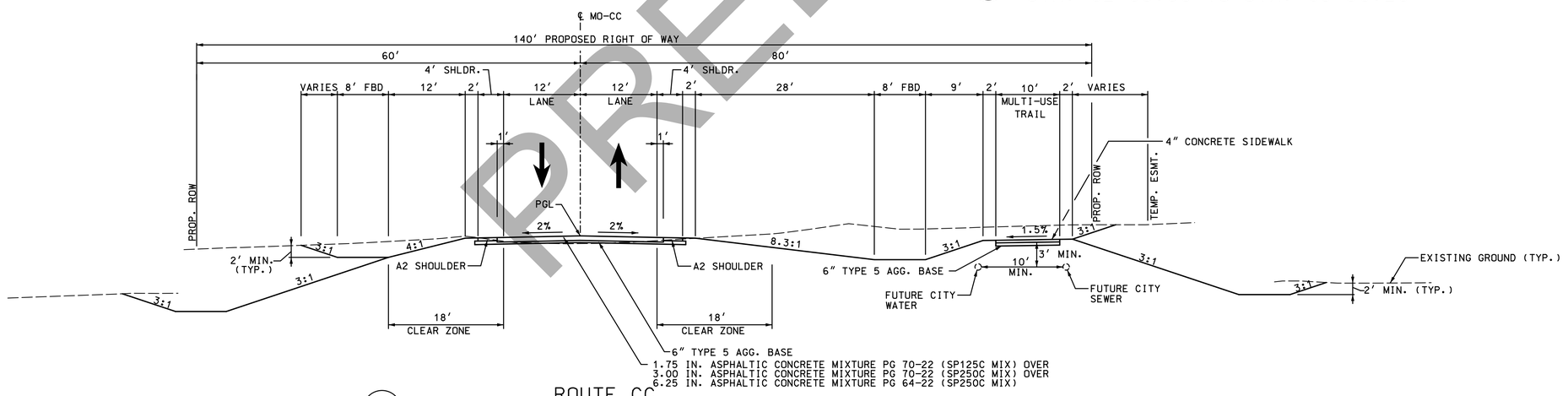
21 ROUTE CC
STA. 61+84.54 TO STA. 62+88.50

NOTE:

ROUTE CC A2 SHOULDER IS INCLUDED IN ALTERNATE G.



22 ROUTE CC
STA. 62+88.50 TO STA. 65+50.20



23 ROUTE CC
STA. 65+50.20 TO STA. 78+14.75

ALTERNATES
A, C, E AND G

ASPHALT ALTERNATES

TYPICAL SECTIONS
SHEET 10 OF 23

PRELIMINARY

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I-44	MO
DISTRICT	SHEET NO.
SW	2

COUNTY: WEBSTER
JOB NO.: J8I0445
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

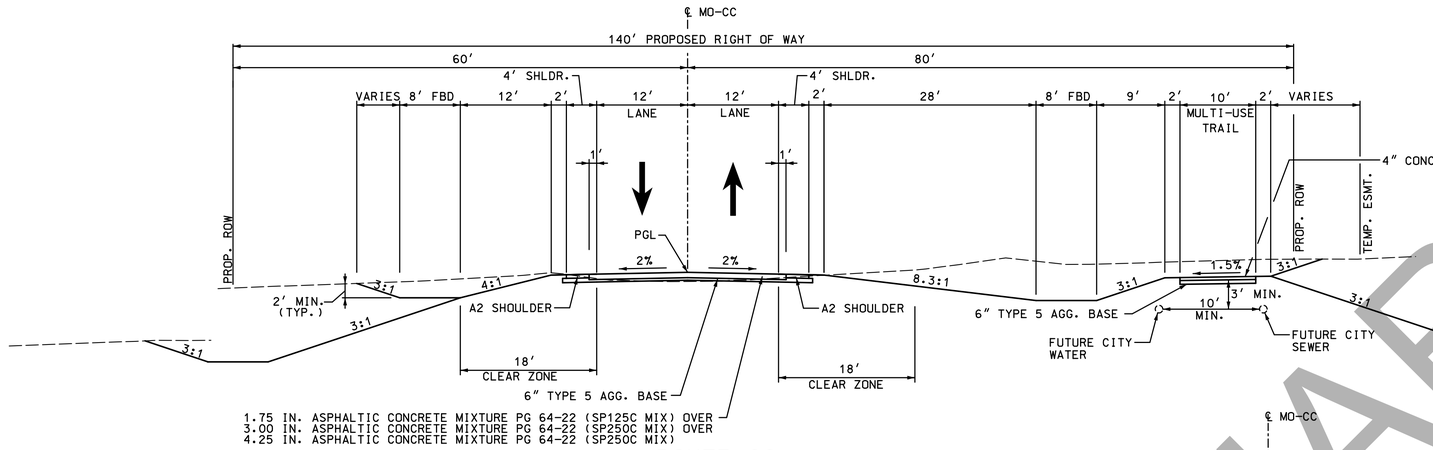
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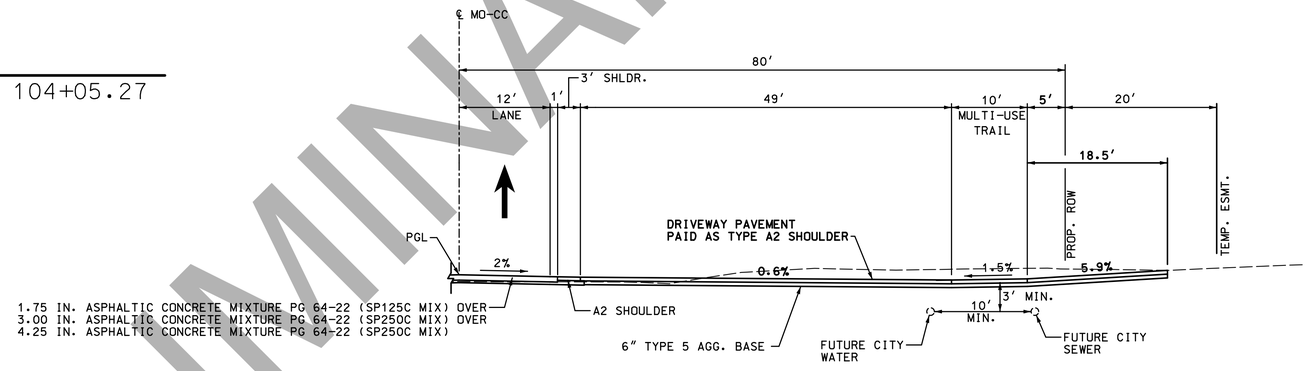
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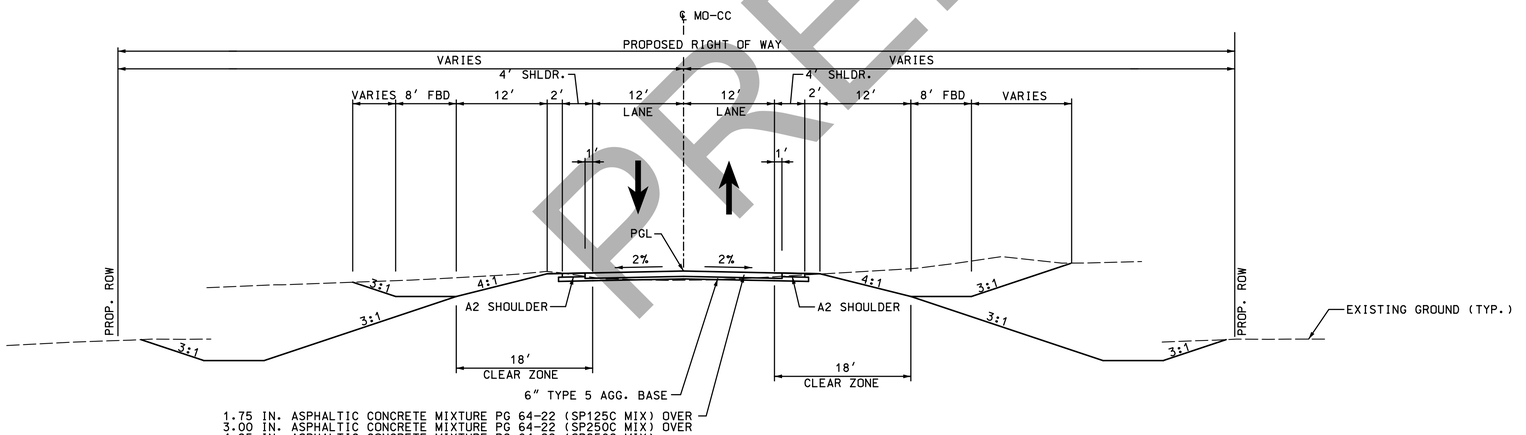
NOTE:

ROUTE CC A2 SHOULDER IS INCLUDED IN ALTERNATE G.

24 ROUTE CC
STA. 78+14.75 TO STA. 104+05.27



25 TYPE I DRIVEWAY
STA. 73+00.51



26 ROUTE CC
STA. 104+05.27 TO STA. 139+75.94

SUPERELEVATION TABLE ROUTE CC

2%	-2%
STA. 129+21.32	
2%	2%
STA. 130+03.92	
7.7%	7.7%
STA. 131+21.40	
7.7%	7.7%
STA. 137+11.45	
2%	2%
STA. 138+28.93	
2%	-2%
STA. 139+11.37	

ALTERNATES
A, C, E AND G

ASPHALT ALTERNATES

TYPICAL SECTIONS
SHEET 11 OF 23

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SW	2

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JOB NO.
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PROJECT NO.

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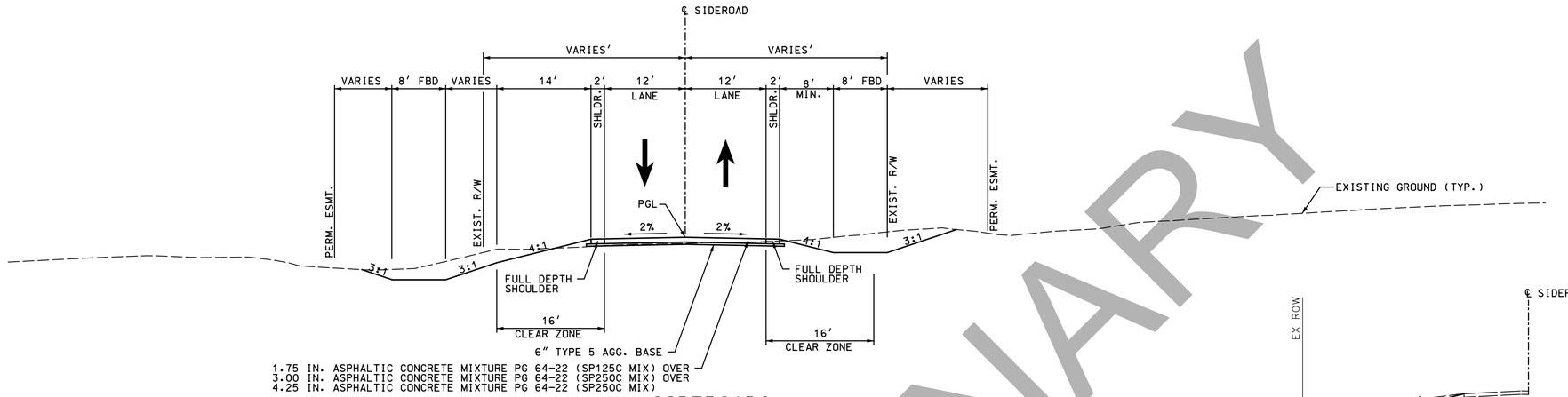
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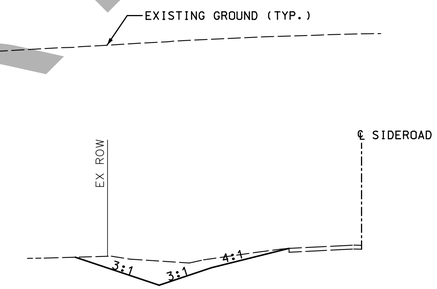
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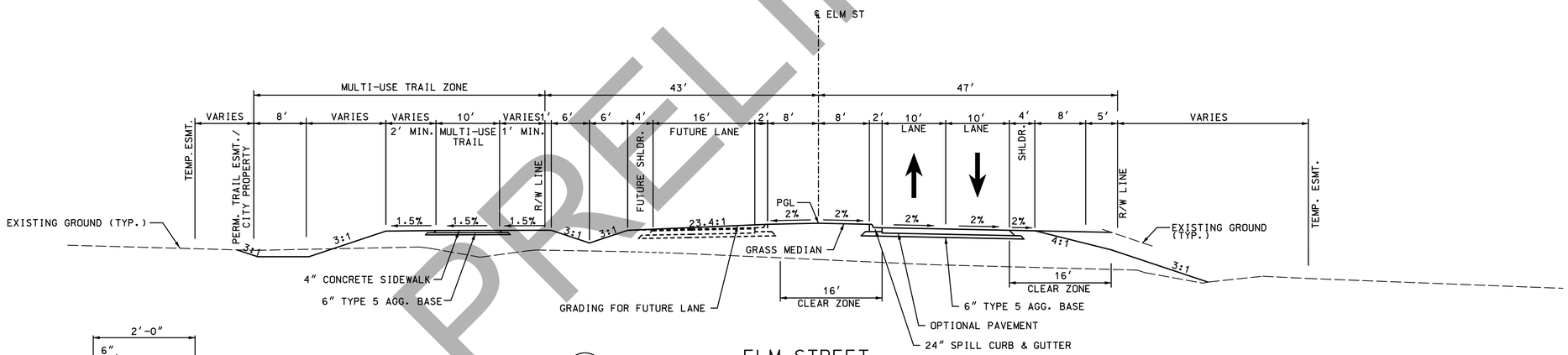


27 SIDEROADS

STA.10+00.00 TO STA. 11+00.00 N. MARSHALL RD.
STA. 17+10.00 TO STA. 27+25.00 RIFLE RANGE DR.

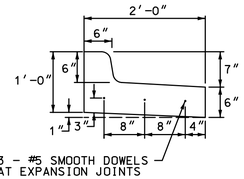


V-DITCH ON N. MARSHALL RD.
STA. 11+00 TO STA. 14+00



28 ELM STREET

STA. 10+00.00 TO STA. 35+40.65



24" SPILL CURB & GUTTER DETAIL

ELM STREET OPTIONAL PAVEMENT	
ASPHALT PAVEMENT	CONCRETE PAVEMENT
9.0" HMA 1-3/4" SP125C W/ PG 64-22 OVER 3" SP250C W/ PG 64-22 OVER 4-1/4" SP250C W/ PG 64-22	8.0" PCCP W/ 1-1/4" DOWELS 15 FT JOINT SPACING

ALTERNATES
A, C, E AND G

ASPHALT ALTERNATES

TYPICAL SECTIONS
SHEET 12 OF 23

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DISTRICT: SW | SHEET NO.: 2
COUNTY: WEBSTER
JOB NO.: J8I0445
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

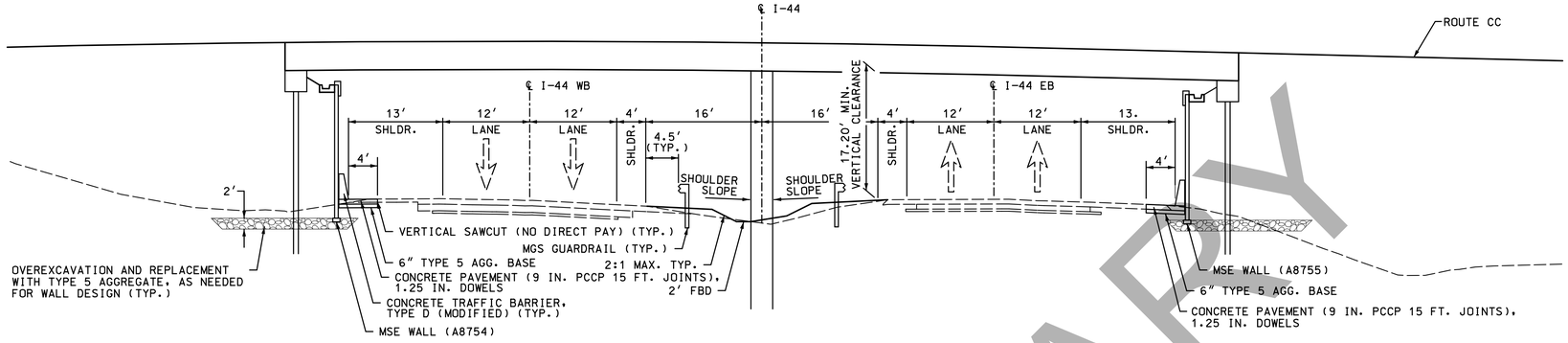
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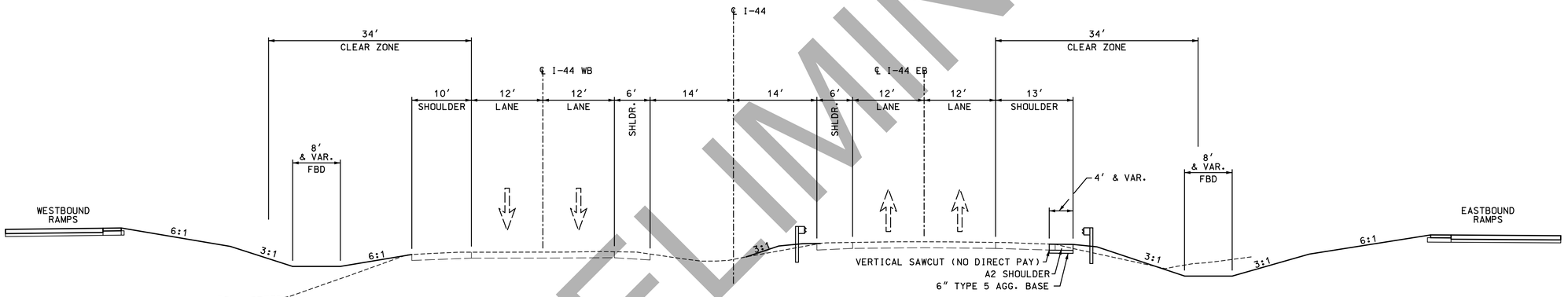
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1 I-44 UNDER PROPOSED BRIDGE (A8753)
STA. 629+76.20 TO STA. 631+61.20



2 I-44 ACCEL / DECEL LANES
STA. 621+55.64 TO STA. 629+76.20
STA. 631+61.20 TO STA. 639+26.79

NOTE:
ALL I-44 STATIONS REFERENCE WESTBOUND CENTERLINE.

PRELIMINARY

ALTERNATES
B, D F, AND H
CONCRETE ALTERNATES
TYPICAL SECTIONS
SHEET 13 OF 23

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DISTRICT: SW | SHEET NO.: 2
COUNTY: WEBSTER
JOB NO.: J8I0445
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BRIDGE NO.:

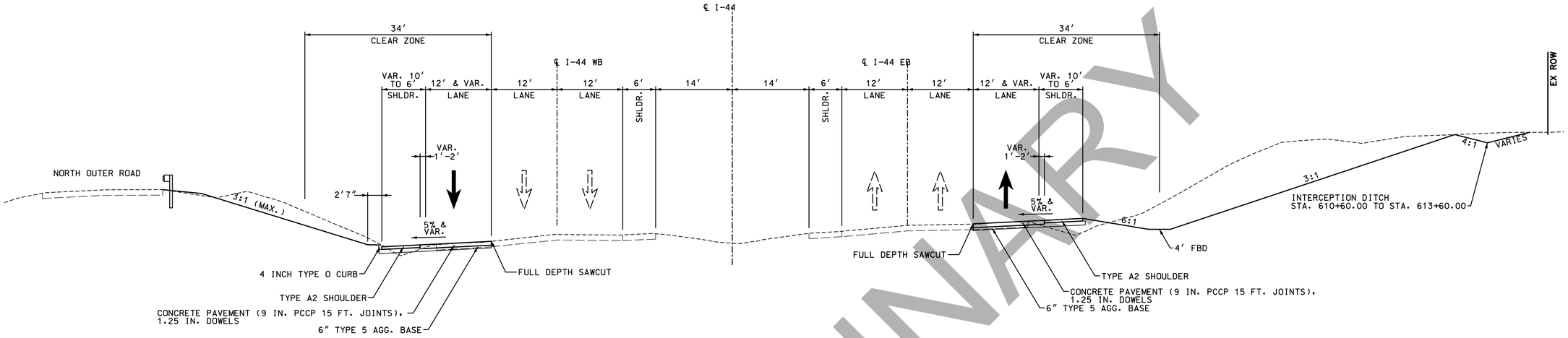
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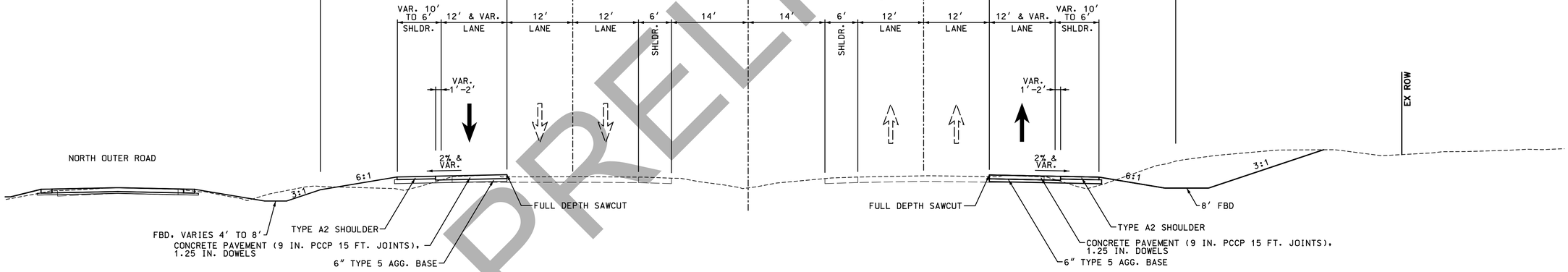
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3 I-44 ACCEL / DECEL LANES
STA. 609+75.00 TO STA. 616+91.72 (RAMP 2)
STA. 610+45.70 TO STA. 614+91.43 (RAMP 3)



4 I-44 ACCEL / DECEL LANES
STA. 645+14.81 TO STA. 651+15.00 (RAMP 1)
STA. 641+46.13 TO STA. 649+10.00 (RAMP 4)

ALTERNATES
B, D F, AND H

CONCRETE ALTERNATES

TYPICAL SECTIONS
SHEET 14 OF 23

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ROUTE: I-44 | STATE: MO
DISTRICT: SW | SHEET NO.: 2
COUNTY: WEBSTER
JOB NO.: J8I0445
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

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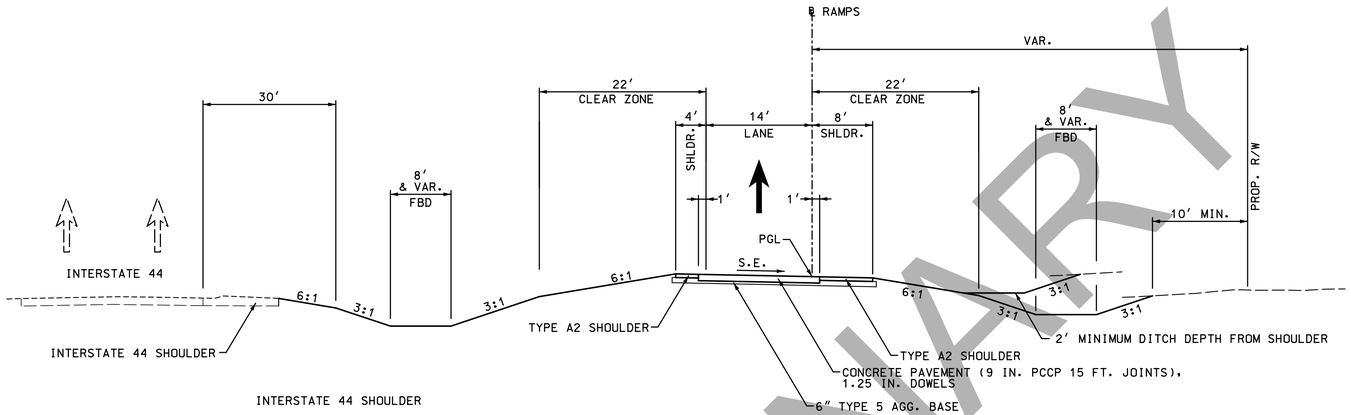
SEE CROSS SECTIONS FOR SPECIFIC EARTH SLOPES AND DITCH WIDTHS AT EACH SECTION.

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SUPERELEVATION TABLE RAMP 2

2%	-2%
STA. 8+77.58	
2%	2%
STA. 9+89.58	
5.0%	5.0%
STA. 10+74.04	
5.0%	5.0%
STA. 13+24.12	
2%	2%
STA. 14+08.58	



SUPERELEVATION TABLE RAMP 4

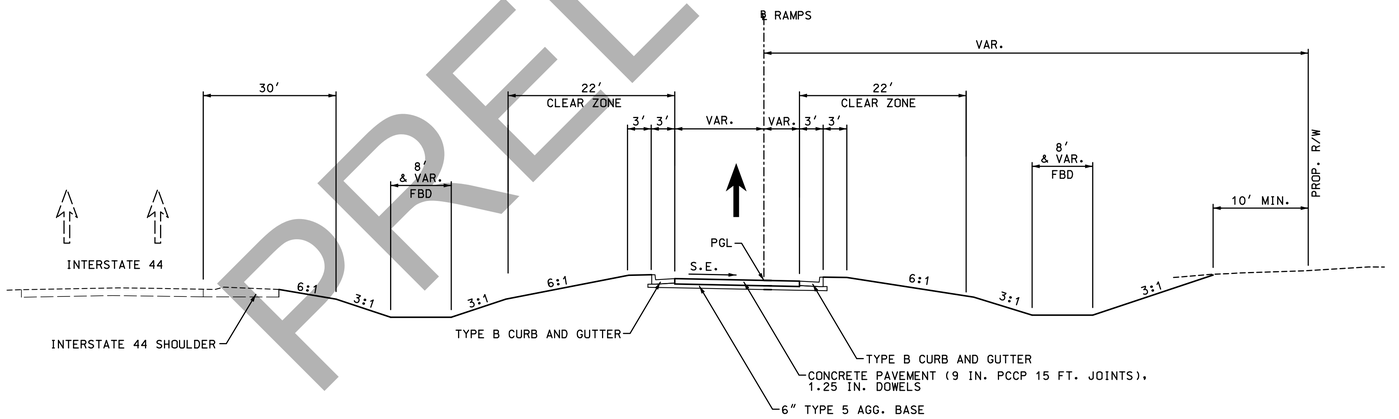
2%	-2%
STA. 6+49.01	
2%	2%
STA. 7+61.01	
5.0%	5.0%
STA. 8+45.47	
5.0%	5.0%
STA. 9+79.56	
2%	2%
STA. 10+64.02	

(5) RAMPS

RAMP 1 STA. 0+00.00 TO STA. 13+05.00
RAMP 2 STA. 1+40.00 TO STA. 10+70.00
RAMP 3 STA. 6+00.00 TO STA. 14+15.00
RAMP 4 STA. 1+05.00 TO STA. 10+19.79

SUPERELEVATION TABLE RAMP 1

2%	2%
STA. 0+00.00	
4.0%	4.0%
STA. 0+56.06	
4.0%	4.0%
STA. 2+80.59	
2%	2%
STA. 3+36.70	
2%	-2%
STA. 4+48.70	



SUPERELEVATION TABLE RAMP 3

2%	2%
STA. 0+10.38	
4.0%	4.0%
STA. 0+29.37	
4.0%	4.0%
STA. 5+68.64	
2%	2%
STA. 5+87.63	
2%	-2%
STA. 7+27.63	

(6) TYPICAL SECTION RAMPS

RAMP 1 STA. 13+05.00 TO STA. 13+88.23
RAMP 2 STA. 0+00.00 TO STA. 1+40.00
RAMP 3 STA. 14+15.00 TO STA. 15+84.38
RAMP 4 STA. 6+00.00 TO STA. 1+05.00

ALTERNATES
B, D F, AND H

CONCRETE ALTERNATES

TYPICAL SECTIONS
SHEET 15 OF 23

PRELIMINARY

DATE PREPARED 3/11/2019
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DISTRICT SW | SHEET NO. 2
COUNTY WEBSTER
JOB NO. J8I0445
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

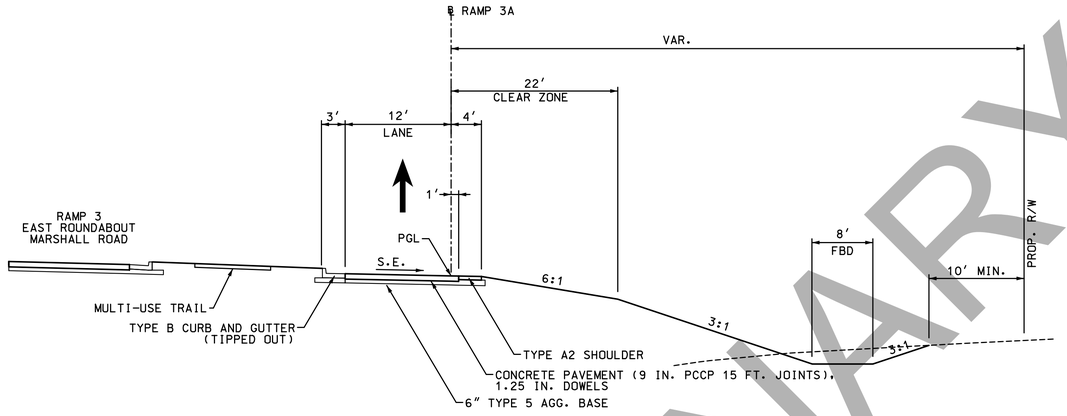
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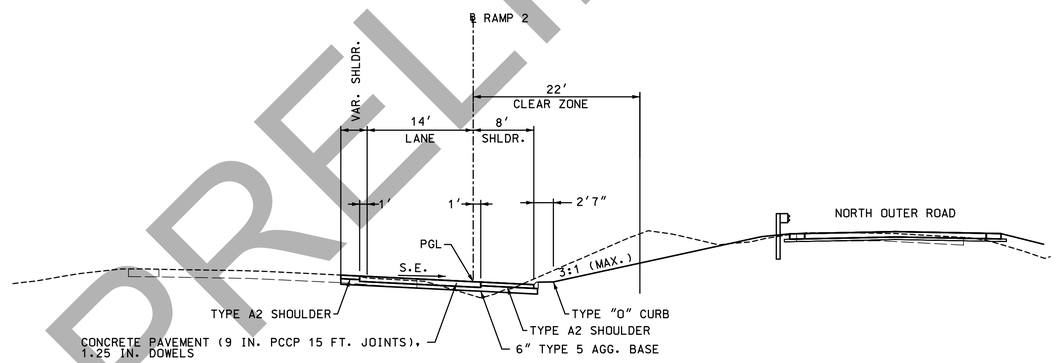
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7 RAMP 3A
STA. 0+00.00 TO STA. 4+31.30



8 RAMP 2
STA. 10+70.00 TO STA. 13+70.94

PRELIMINARY

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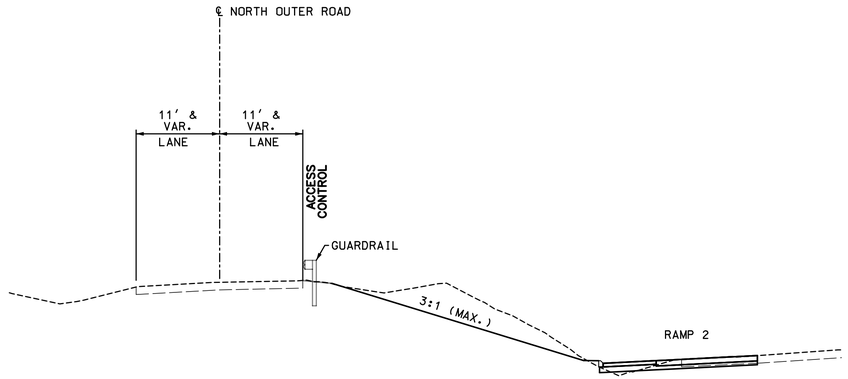
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B, D F, AND H

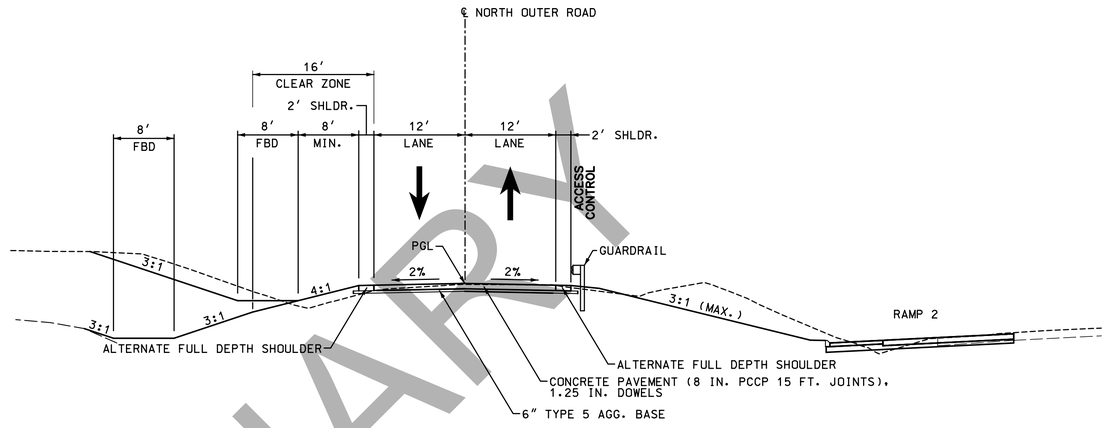
CONCRETE ALTERNATES

TYPICAL SECTIONS
SHEET 16 OF 23

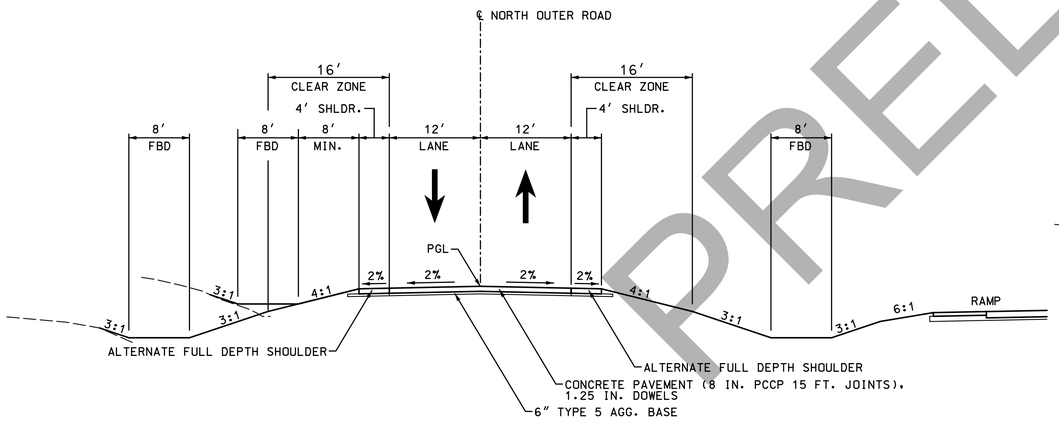
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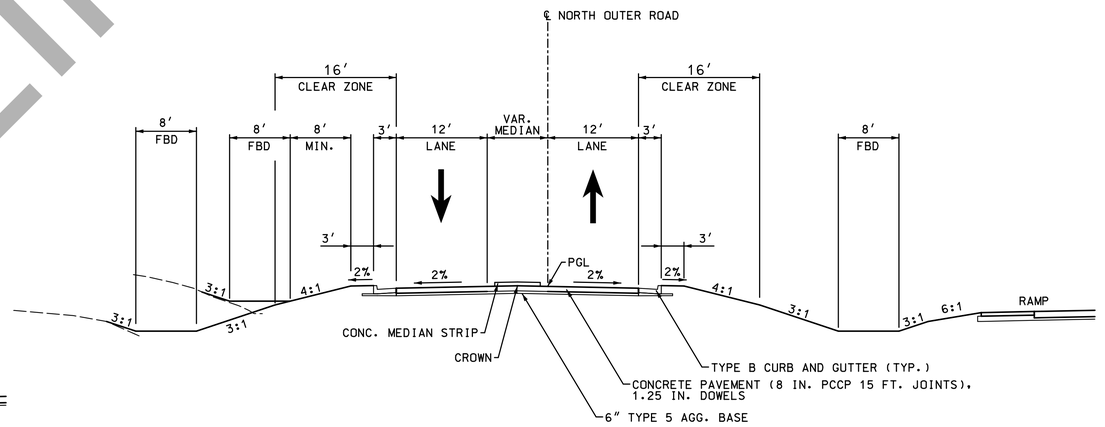
9 NORTH OUTER ROAD
STA. 615+00.00 TO STA. 617+18.93



10 NORTH OUTER ROAD
STA. 617+18.93 TO STA. 619+51.72



11 NORTH OUTER ROAD
STA. 619+51.72 TO STA. 629+25.00
STA. 632+20.00 TO STA. 645+66.96



12 NORTH OUTER ROAD
STA. 629+25.00 TO STA. 633+20.00

ALTERNATES
B, D F, AND H
CONCRETE ALTERNATES
TYPICAL SECTIONS
SHEET 17 OF 23

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CONTRACT ID.
PROJECT NO.
BRIDGE NO.

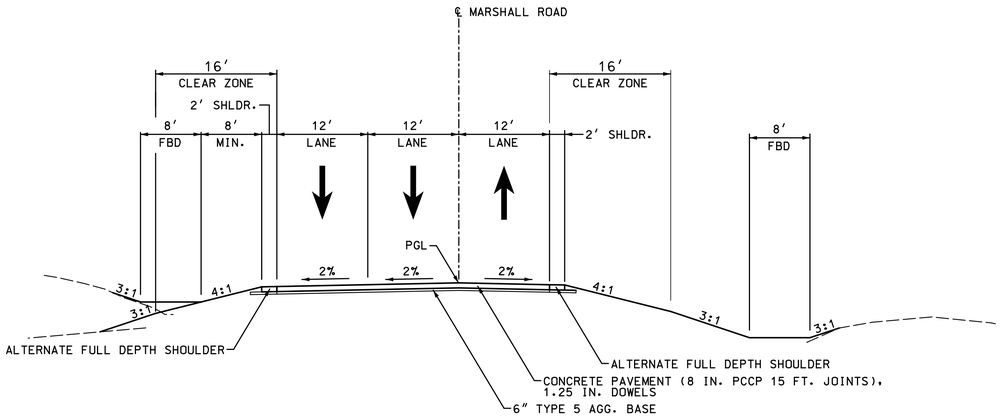
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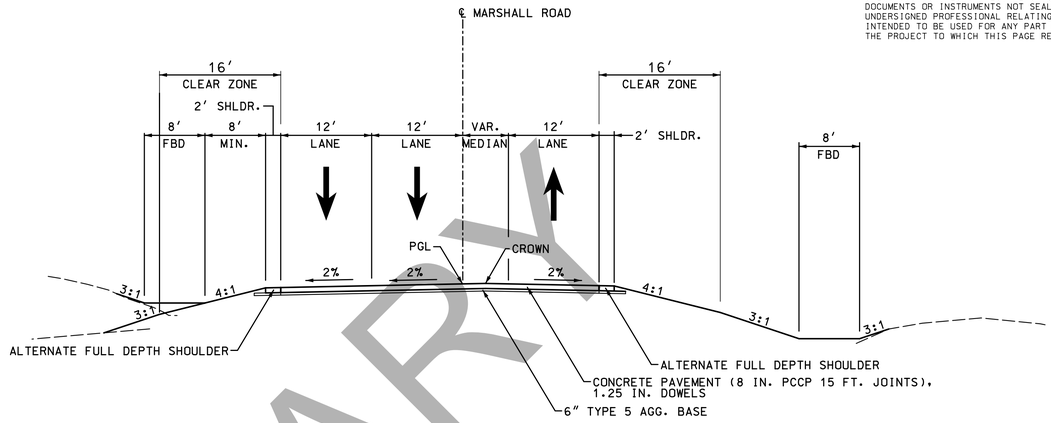
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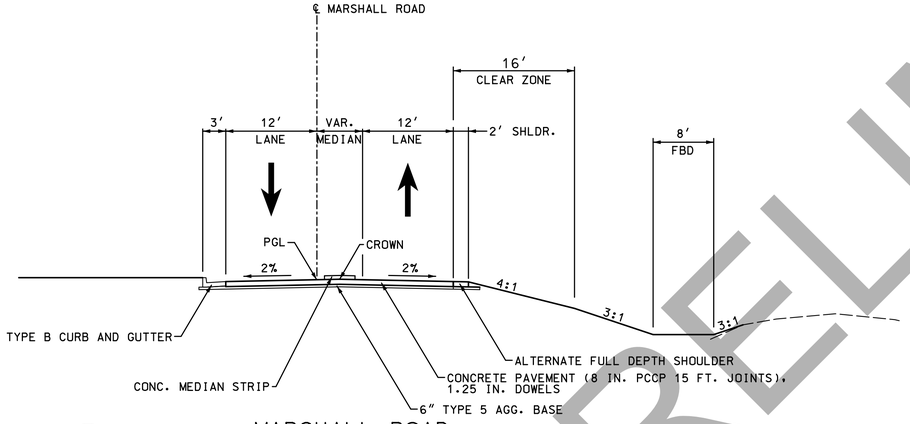
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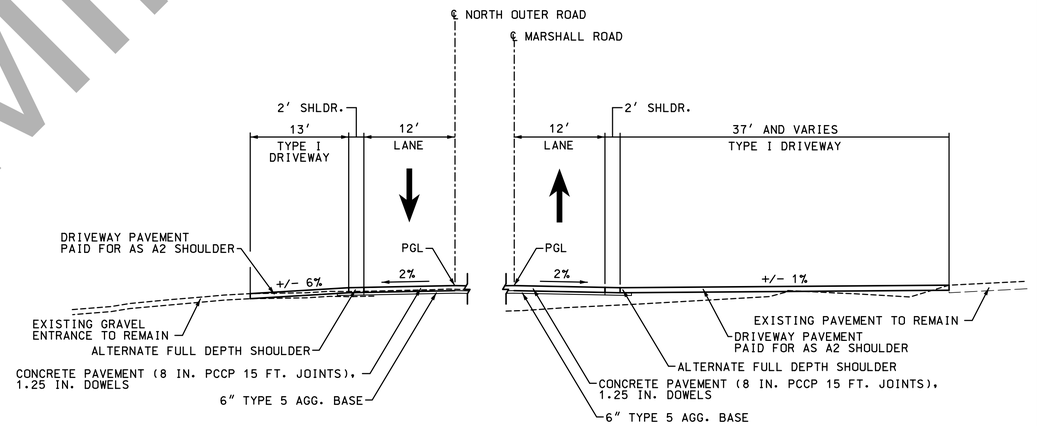
13 MARSHALL ROAD
STA. 2+34.21 TO STA. 7+00.65



14 MARSHALL ROAD
STA. 7+00.65 TO STA. 8+28.55



15 MARSHALL ROAD
STA. 8+28.55 TO STA. 9+65.53



16 TYPE I DRIVEWAY DETAIL
NORTH OUTER ROAD STA. 644+45.83 LT
MARSHALL ROAD STA. 5+36.69 RT

ALTERNATES
B, D F, AND H
CONCRETE ALTERNATES
TYPICAL SECTIONS
SHEET 18 OF 23

PRELIMINARY

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SHEET NO.	2
COUNTY	WEBSTER
JOB NO.	J8I0445
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION
DATE

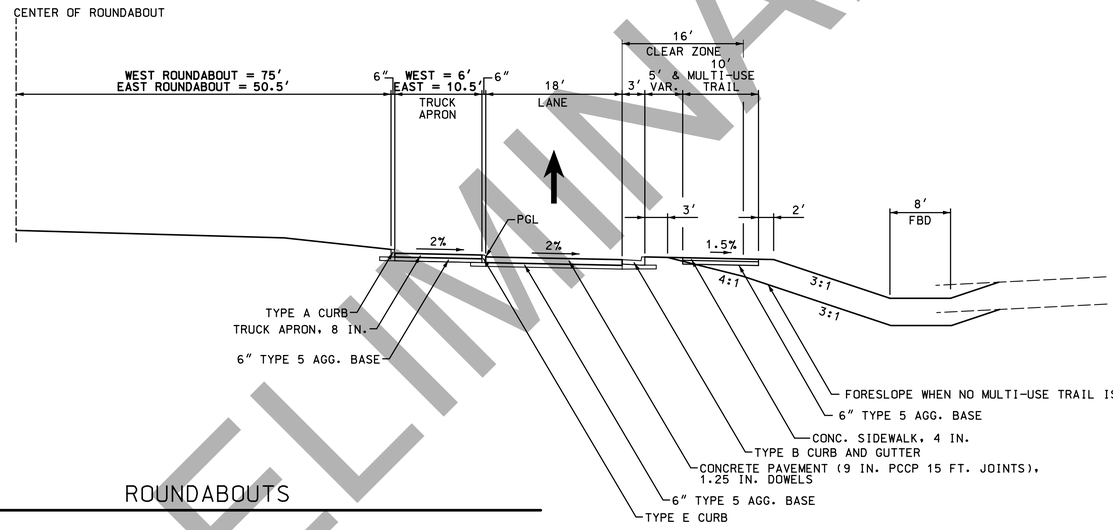
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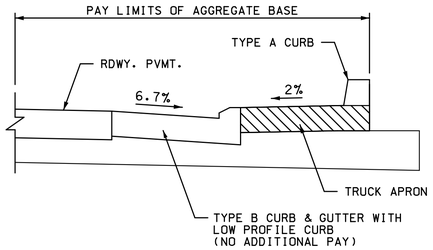
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PRELIMINARY



17 ROUNDABOUTS



EXTERIOR TRUCK APRON DETAIL

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DISTRICT: SW | SHEET NO.: 2
COUNTY: WEBSTER
JOB NO.: J8I0445
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

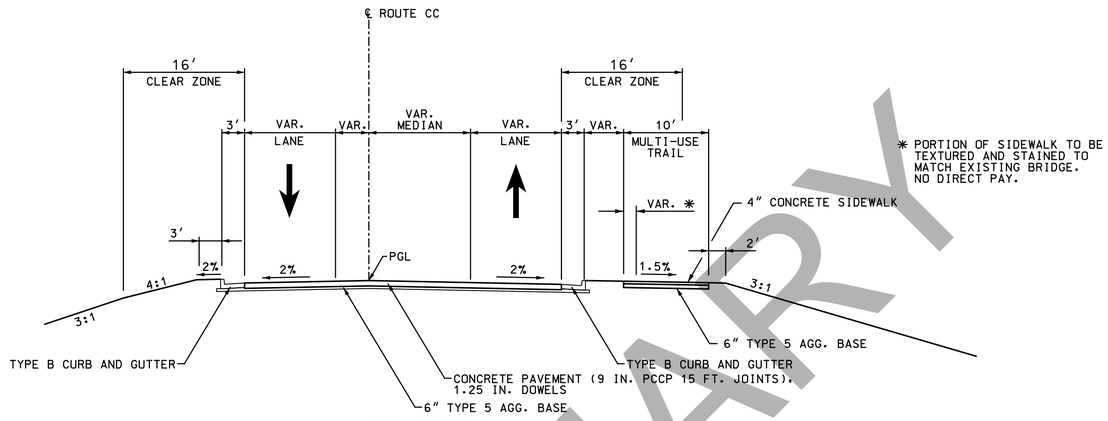
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CONCRETE ALTERNATES
TYPICAL SECTIONS
SHEET 19 OF 23

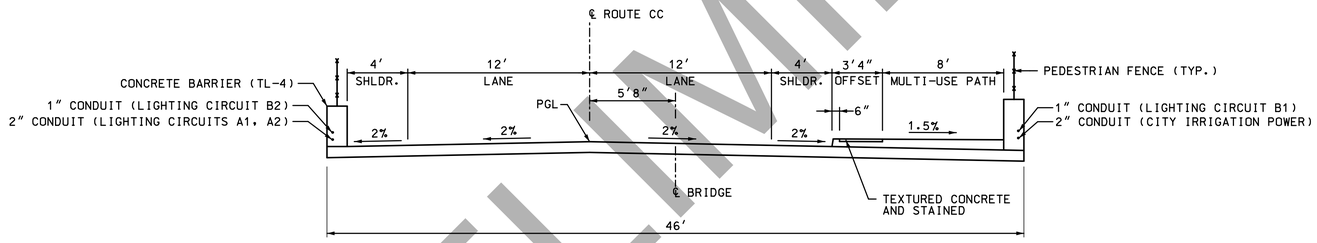
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✱ PORTION OF SIDEWALK TO BE TEXTURED AND STAINED TO MATCH EXISTING BRIDGE. NO DIRECT PAY.

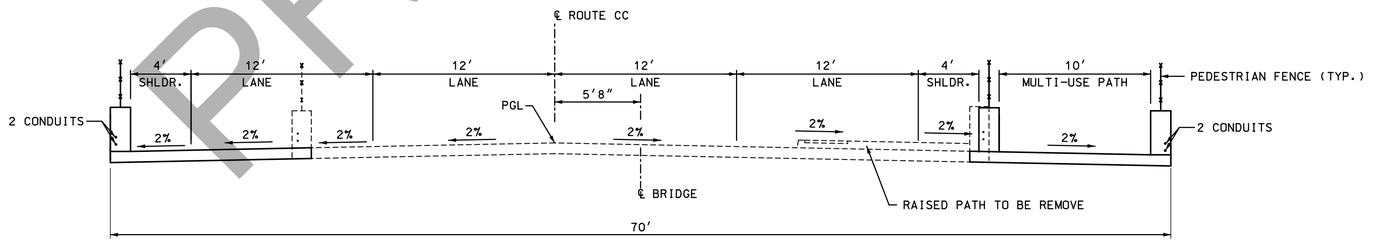
18 ROUTE CC

STA. 55+92.23 TO STA. 57+56.80
STA. 58+88.30 TO STA. 60+62.85



19 ROUTE CC BRIDGE (A8753)

STA. 57+56.80 TO STA. 58+88.30



20 ROUTE CC BRIDGE FUTURE WIDENING

ONLY USED TO DETERMINE FUTURE VERTICAL CLEARANCE

ALTERNATES
B, D F, AND H

CONCRETE ALTERNATES

TYPICAL SECTIONS
SHEET 20 OF 23

PRELIMINARY

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STATE	MO
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SHEET NO.	2
COUNTY	WEBSTER
JOB NO.	J8I0445
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

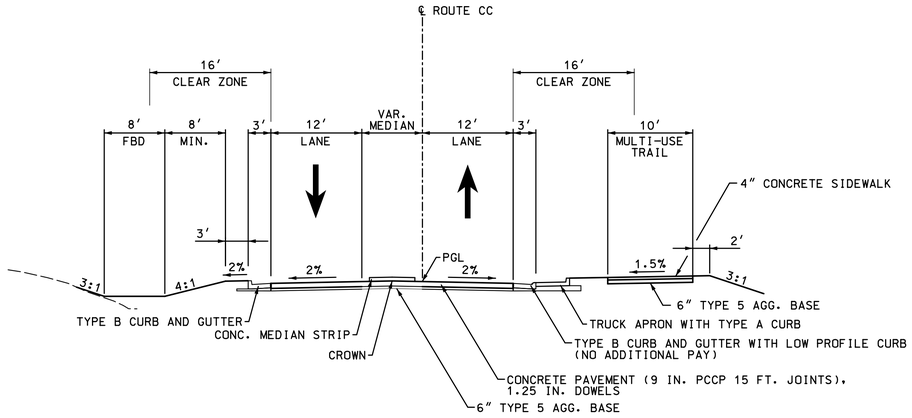
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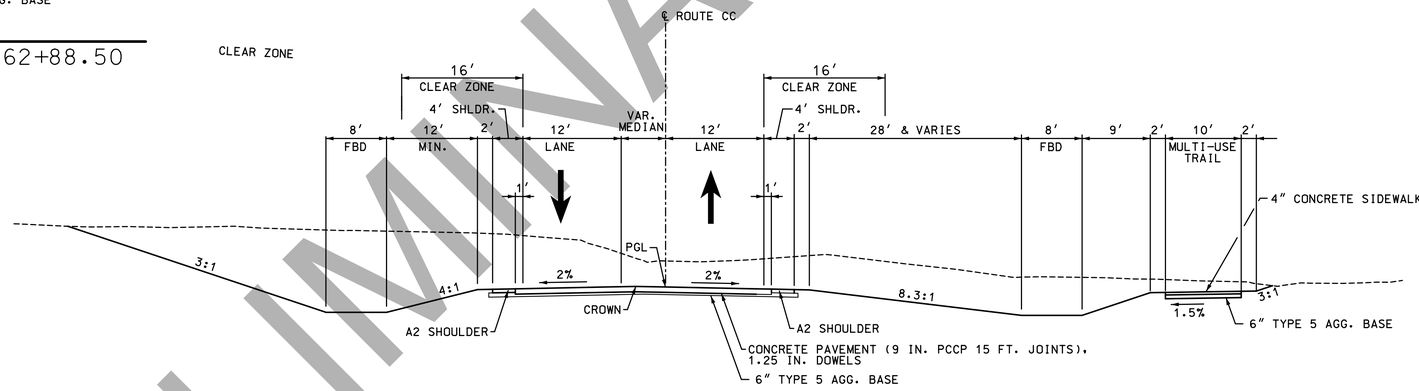
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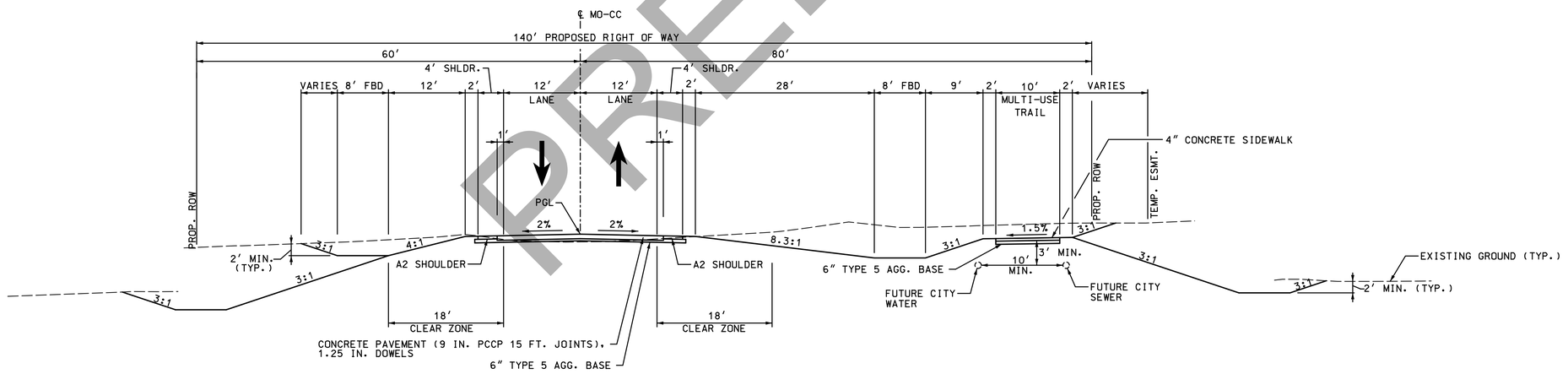
21 ROUTE CC
STA. 61+84.54 TO STA. 62+88.50

NOTE:

ROUTE CC A2 SHOULDER IS INCLUDED IN ALTERNATE H.



22 ROUTE CC
STA. 62+88.50 TO STA. 65+50.20



23 ROUTE CC
STA. 65+50.20 TO STA. 78+14.75

ALTERNATES
B, D F, AND H

CONCRETE ALTERNATES

TYPICAL SECTIONS
SHEET 21 OF 23

PRELIMINARY

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I-44	MO
DISTRICT	SHEET NO.
SW	2

COUNTY: WEBSTER
JOB NO.: J8I0445
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

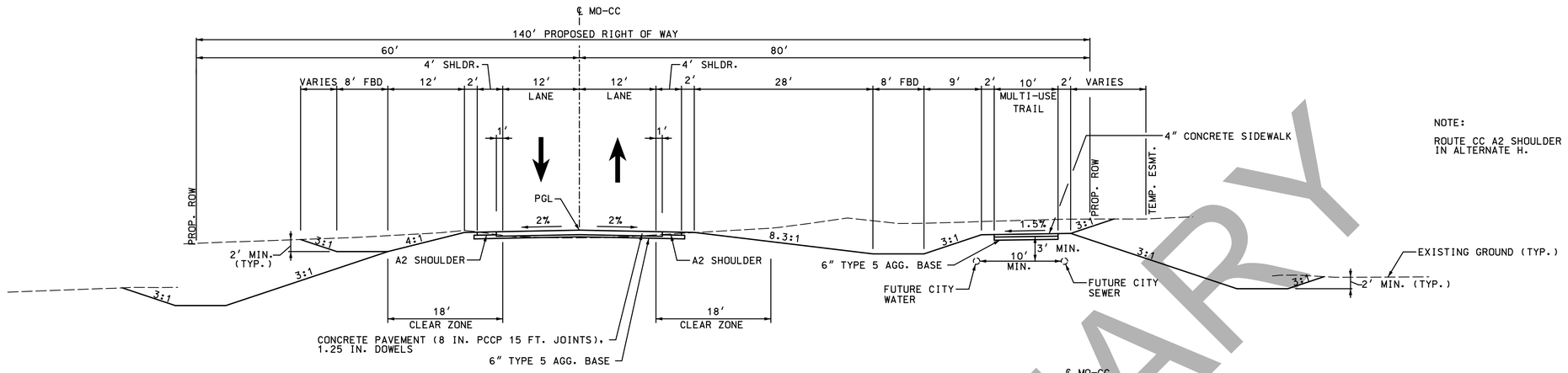
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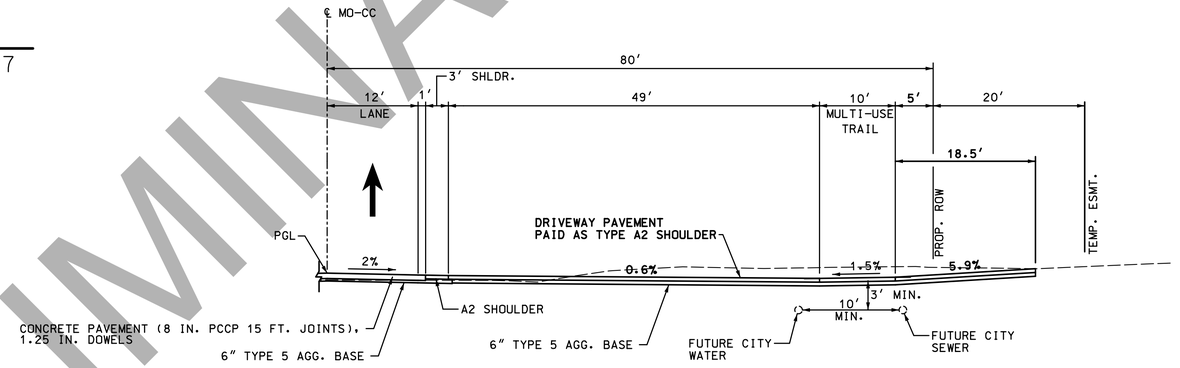
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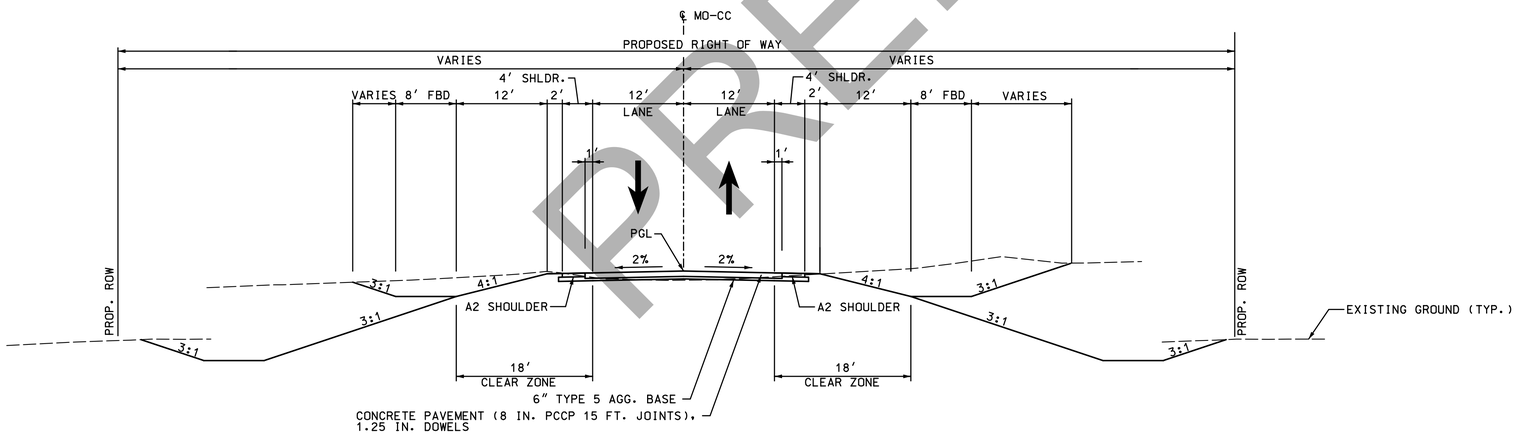


24 ROUTE CC
STA. 78+14.75 TO STA. 104+05.27

NOTE:
ROUTE CC A2 SHOULDER IS INCLUDED IN ALTERNATE H.



25 TYPE I DRIVEWAY
STA. 73+00.51



26 ROUTE CC
STA. 104+05.27 TO STA. 139+75.94

SUPERELEVATION TABLE ROUTE CC

2%	-2%
STA. 129+21.32	
2%	2%
STA. 130+03.92	
7.7%	7.7%
STA. 131+21.40	
7.7%	7.7%
STA. 137+11.45	
2%	2%
STA. 138+28.93	
2%	-2%
STA. 139+11.37	

ALTERNATES
B, D F, AND H

CONCRETE ALTERNATES

TYPICAL SECTIONS
SHEET 22 OF 23

PRELIMINARY

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DATE PREPARED 3/11/2019
ROUTE I-44 | STATE MO
DISTRICT SW | SHEET NO. 2
COUNTY WEBSTER
JOB NO. J8I0445
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

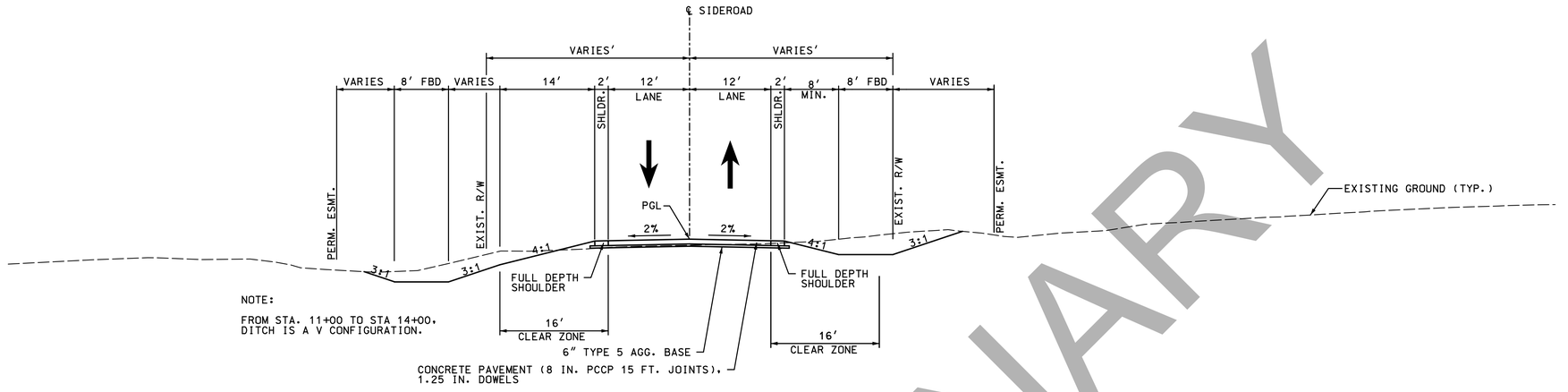
DESCRIPTION | DATE

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

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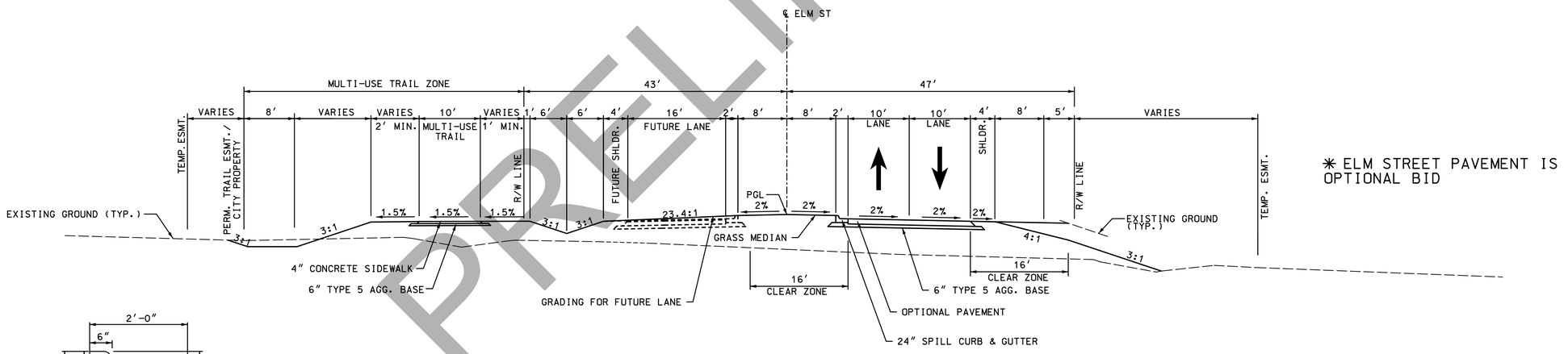


NOTE:

FROM STA. 11+00 TO STA 14+00, DITCH IS A V CONFIGURATION.

(27) SIDEROADS

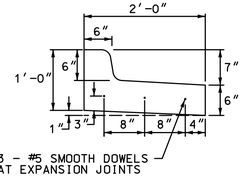
STA.10+00.00 TO STA. 11+00.00 N. MARSHALL ST.
STA. 17+10.00 TO STA. 27+25.00 RIFLE RANGE DR.



✳ ELM STREET PAVEMENT IS OPTIONAL BID

(28) ELM STREET

STA. 10+00.00 TO STA. 35+40.65



24" SPILL CURB & GUTTER DETAIL

ELM STREET OPTIONAL PAVEMENT	
ASPHALT PAVEMENT	CONCRETE PAVEMENT
9.0" HMA 1-3/4" SP125C W/ PG 64-22 OVER 3" SP250C W/ PG 64-22 OVER 4-1/4" SP250C W/ PG 64-22	8.0" PCCP W/ 1-1/4" DOWELS 15 FT JOINT SPACING

ALTERNATES B, D F, AND H
CONCRETE ALTERNATES

TYPICAL SECTIONS
SHEET 23 OF 23

PRELIMINARY

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DISTRICT SW | SHEET NO. 2
COUNTY WEBSTER
JOB NO. J8I0445
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105 WEST CAPITOL
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REMOVALS OF IMPROVEMENTS

SHEET	FROM STATION	TO STATION	BASELINE	LOCATION	DESCRIPTION	UNITS	QUANTITY	REMARKS
10	19+88.85		EX MARSHALL	RT	SIGN	EA	1	W1-8
10	20+10.21		EX MARSHALL	RT	SIGN	EA	1	W1-8
10	20+32.00		EX MARSHALL	RT	SIGN	EA	1	W1-8
10	20+87.60		EX MARSHALL	RT	SIGN	EA	1	W1-8
10	21+40.07		EX MARSHALL	RT	SIGN	EA	1	W1-8
10	22+25.46		EX MARSHALL	RT	SIGN	EA	1	W1-8
10	31+90.40		EX MARSHALL	RT	SIGN	EA	1	W1-8
11	32+31.41		EX MARSHALL	RT	SIGN	EA	1	W1-8
11	32+94.53		EX MARSHALL	RT	SIGN	EA	1	W1-8
11	33+15.95		EX MARSHALL	RT	SIGN	EA	1	W1-8
11	33+42.21		EX MARSHALL	RT	SIGN	EA	1	W1-8
11	33+81.21		EX MARSHALL	RT	SIGN	EA	1	W1-8
11	34+27.72		EX MARSHALL	RT	SIGN	EA	1	W1-8
11	34+48.90		EX MARSHALL	RT	SIGN	EA	1	W1-8
16	10+34.09		EX RIFLE RANGE	LT	SIGN	EA	1	R1-1, W4-4P
5	619+30.04	625+33.65	I-44 WB	22.9' RT TO 23.6' RT	GUARDRAIL	LF	603.3	OUTER EDGE OF WB LANES
5	618+62.22	624+14.49	I-44 WB	87.8' RT TO 86.3' RT	GUARDRAIL	LF	555.2	OUTER EDGE OF EB LANES
3	630+51.91	633+49.39	I-44 WB	20.3' LT TO 20.8' LT	GUARDRAIL	LF	298.0	MEDIAN - GUARD CABLE TO BE REPLACED BY GUARDRAIL
7	635+70.20		I-44 WB	52.3' LT	INLET	EA	1	
8	642+48.76		I-44 WB	119.7' LT	FLARED END SECTION	EA	1	
8	642+49.00		I-44 WB	94.8' RT	INLET	EA	1	OUTER SIDE OF EB
7	635+44.53		I-44 WB	113' LT	HEADWALL	EA	1	
7	636+03.26		I-44 WB	107' RT	HEADWALL	EA	1	OUTER SIDE OF EB
6	629+41.98		I-44 WB	106.7' RT	FLARED END SECTION	EA	1	OUTER SIDE OF EB
6	628+12.01		I-44 WB	117.2' LT	FLARED END SECTION	EA	1	
6	628+12.01	628+58.06	I-44 WB		DRAINAGE PIPE	LF	90.0	30" RCP
6	628+48.64	628+64.44	I-44 WB		DRAINAGE PIPE	LF	15.8	15" RCP
6	628+65.62		I-44 WB	55' LT	INLET	EA	1	
5	622+01.73		I-44 WB	57.22' LT	INLET	EA	1	
5	621+97.72		I-44 WB	117.6' LT	HEADWALL	EA	1	
5	620+28.24		I-44 WB	122.9' RT	HEADWALL	EA	1	OUTER SIDE OF EB
N/A	597+58.53		EX NOR	RT	SIGN	EA	1	R2-1
5	619+37.07		I-44 WB	RT	SIGN	EA	1	D10-5 **RELOC**
5	619+37.07		I-44 WB	LT	SIGN	EA	1	D10-5 **RELOC**
6	629+84.24		I-44 WB	RT	SIGN	EA	1	D10-5 **RELOC**
6	629+91.66		I-44 WB	LT	SIGN	EA	1	D10-5 **RELOC**
7	640+44.33		I-44 WB	RT	SIGN	EA	1	D10-5 **RELOC**
7	640+40.89		I-44 WB	LT	SIGN	EA	1	D10-5 **RELOC**
					TOTAL:	1 LUMP SUM		

REMOVALS BY OTHERS

SHEET	ROADWAY	FROM STATION	TO STATION	LOCATION	DESCRIPTION	UNITS	QUANTITY	REMARKS
15	EX RIFLE RANGE	135+15.14		LT	T-RISER/UTILITY MARKER	EA	1	
15	EX RIFLE RANGE	134+09.08		LT	T-RISER/UTILITY MARKER	EA	1	
15	EX CC	25+32.14		LT	T-RISER/UTILITY MARKER	EA	1	
11	EX MARSHALL	32+83.25		RT	T-RISER/UTILITY MARKER	EA	1	
11	EX MARSHALL	32+82.17		RT	T-RISER/UTILITY MARKER	EA	1	
10	EX MARSHALL	28+96.58		RT	T-RISER/UTILITY MARKER	EA	1	
10	EX MARSHALL	28+95.59		RT	T-RISER/UTILITY MARKER	EA	1	
10	EX MARSHALL	21+78.70		RT	T-RISER/UTILITY MARKER	EA	1	
10	EX MARSHALL	21+78.68		RT	T-RISER/UTILITY MARKER	EA	1	
5	EX NOR	621+57.38		LT	T-RISER/UTILITY MARKER	EA	1	
5	EX NOR	621+86.94		LT	POST	EA	1	POSSIBLE UTILITY MARKER SIGN
5	EX NOR	621+90.47		LT	T-RISER/UTILITY MARKER	EA	1	
5	EX NOR	622+53.01		LT	T-RISER/UTILITY MARKER	EA	1	
5	EX NOR	622+66.11		LT	T-RISER/UTILITY MARKER	EA	1	

MOBILIZATION
1 LUMP SUM

CONTRACTOR FURNISHED SURVEYING AND STAKING
1 LUMP SUM

SAWCUTS FOR PAVEMENT REMOVAL
ALL SAWCUTS NOT SHOWN ARE INCIDENTAL TO REMOVAL OF IMPROVEMENTS

ADDITIONAL MOBILIZATION FOR SEEDING
5 EACH

GROUNDED POWER RECEPTACLE
2 EACH

UTILITY CONNECTION CHARGES
1 LUMP SUM

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DATE PREPARED
3/11/2019

ROUTE	STATE
I-44	MO

DISTRICT	SHEET NO.
SW	3

COUNTY
WEBSTER

JOB NO.
J8I0445

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

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PRELIMINARY

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RIGHT OF WAY MARKERS (BY OTHERS)

SHEET	ROADWAY	LOCATION	24 IN. SURVEY PIN (EA)	2 IN. ALUMINUM CAP WITH MODOT R/W IMPRINT (EA)	6 FT. WHITE CARSONITE POST WITH MODOT R/W STICKER (EA)
4	RAMP 3	RT	2	2	1
5	RAMP 3	RT	6	6	3
5	NOR	LT	5	5	5
5	NOR	RT	3	3	3
6	NOR	LT	4	4	4
6	NOR	RT	3	3	3
6	RAMP 3	RT	3	3	3
6	MARSHALL	RT	3	3	3
6	RAMP 4	RT	3	3	2
7	NOR	RT	4	4	4
7	NOR	LT	3	3	3
7	RAMP 4	RT	2	2	1
8	NOR	LT	1	1	1
9	MARSHALL	LT	3	3	3
9	MARSHALL	RT	1	1	1
10	ROUTE CC	LT	3	3	3
10	ROUTE CC	RT	7	7	7
11	MARSHALL N	LT	5	5	1
11	ROUTE CC	LT	2	2	2
11	ROUTE CC	RT	3	3	3
12	ROUTE CC	LT	6	6	6
12	ROUTE CC	RT	5	5	5
13	ROUTE CC	LT	6	6	6
13	ROUTE CC	RT	10	10	9
14	ROUTE CC	LT	2	2	2
14	ROUTE CC	RT	2	2	2
15	ROUTE CC	LT	7	7	7
15	ROUTE CC	RT	8	8	8
15	RIFLE RANGE	LT	3	3	3
15	RIFLE RANGE	RT	4	4	4
16	RIFLE RANGE	LT	3	3	3
16	RIFLE RANGE	RT	4	4	4
TOTALS			126	126	115

CULVERT CLEANOUT

PLAN SHEET	STATION	ROUTE	LOCATION	CULVERT CLEANOUT (EA)	REMARKS
5	621+15	I-44	LT & RT	1	8' X 7' RC BOX CULVERT
6	628+80	I-44	LT & RT	1	30" RCP
6	629+19	I-44	RT	1	21" RCP
7	635+75	I-44	LT & RT	1	5' X 6' RC BOX CULVERT
7	642+49	I-44	LT & RT	1	15" RCP
8	650+99	I-44	LT & RT	1	24" RCP
8	651+00	I-44	LT & RT	1	30" RCP
			TOTAL	7	

CLEARING AND GRUBBING

SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	CLEARING AND GRUBBING (ACRE)	REMARKS
4	610+57.56	617+50.00	I-44 WB	RT	0.5	QUANTITY INCLUDES CLEARING OF TREES TO THE EXISTING RIGHT-OF-WAY AND ALL UTILITY EASEMENTS INCLUDING PROPOSED UTILITY EASEMENTS ALONG RAMPS 3 AND 4 AS DIRECTED BY THE ENGINEER.
5	619+64.31	626+00.00	NOR	LT & RT	2..2	
5	2+64.96	11+76.33	RAMP3	LT & RT	2.5	
6	626+00.00	626+77.31	NOR	LT	0.2	
6	626+00.00	630+28.24	NOR	RT	0.6	
6	629+36.39	630+28.24	NOR	LT & RT	0.2	
6	11+76.33	15+84.38	RAMP 3	LT	0.7	
6	+.00	4+31.30	RAMP 3A	LT & RT	1.1	
6	6+50.00	8+64.23	MARSHALL	RT	0.1	
6	56+42.72	56+54.05	ROUTE CC	LT & RT	0.1	
6	59+18.33	61+45.05	ROUTE CC	RT	0.1	
6	61+83.63	64+00.00	ROUTE CC	LT & RT	0.5	
6	+.00	3+45.06	RAMP 4	LT & RT	1.7	
6	633+03.14	635+00.00	NOR	RT	0.7	
7	635+00.00	640+42.81	NOR	RT	0.4	
7	639+71.74	643+45.08	NOR	LT	0.1	
7	3+45.06	10+49.79	RAMP 4	LT & RT	1.1	
9	3+78.17	6+50.00	MARSHALL	LT & RT	0.2	
10	64+00.00	64+47.81	ROUTE CC	LT & RT	0.1	
11	77+60.36	83+99.65	ROUTE CC	RT	0.4	
11	78+07.74	89+00.00	ROUTE CC	RT	0.9	
11	84+31.38	89+00.00	ROUTE CC	LT & RT	0.5	
12	89+00.00	99+05.33	ROUTE CC	LT & RT	0.2	
12	89+00.00	90+52.96	ROUTE CC	RT	0.8	
12	90+61.16	99+05.45	ROUTE CC	LT & RT	1.4	
12	101+16.34	101+50.00	ROUTE CC	RT	0.1	
13	101+50.00	110+26.04	ROUTE CC	LT & RT	2.1	
13	101+50.00	104+62.03	ROUTE CC	RT	0.8	
13	108+01.82	114+00.00	ROUTE CC	LT & RT	1.3	
14	114+00.00	125+50.00	ROUTE CC	LT & RT	2.8	
15	125+50.00	131+16.20	ROUTE CC	LT & RT	1.3	
15	132+74.89	136+21.12	ROUTE CC	LT	0.5	
15	136+51.14	139+76.00	ROUTE CC	LT	0.4	
15	21+00.00	22+91.38	RIFLE RANGE	LT	0.1	
16	17+74.21	21+00.00	RIFLE RANGE	LT	0.1	
				TOTAL	25	

PRELIMINARY

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ROUTE I-44 | STATE MO
DISTRICT SW | SHEET NO. 3
COUNTY WEBSTER
JOB NO. J8I0445
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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SUMMARY OF QUANTITIES
SHEET 2 OF 33

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EARTHWORK

ROADWAY	CUT	EARTH CUT	ROCK CUT	FILL	EXCAVATION TO BE USED IN EMBANKMENT (CUYD)	UNCLASSIFIED EXCAVATION (CUYD)	EMBANKMENT IN PLACE (CUYD)	COMPACTING EMBANKMENT (CUYD)	REMARKS
WEST OF INTERSTATE 44									
I-44	2,173	2,173	0	506					0% OF TOTAL CUT ASSUMED TO BE ROCK CUT
NOR	11,359	10,791	568	140,372					5% OF TOTAL CUT ASSUMED TO BE ROCK CUT
RTE CC	57	57	0	64,364					0% OF TOTAL CUT ASSUMED TO BE ROCK CUT
RAMP 1	5,089	4,835	254	13,840					5% OF TOTAL CUT ASSUMED TO BE ROCK CUT
RAMP 2	734	697	37	72,397					5% OF TOTAL CUT ASSUMED TO BE ROCK CUT
WALL A8754				-1,536					EXCEPTION FOR GRANULAR BACKFILL
GROUND IMPROVEMENT	87	87							EXCAVATION FOR GROUND IMPROVEMENT
SUBTOTALS	**19,499**	**18,640**	**859**	**289,943**	**15,054**	**19,499**	**274,890**	**15,054**	
EAST OF INTERSTATE 44									
I-44	7,453	3,727	3,727	340					50% OF TOTAL CUT ASSUMED TO BE ROCK CUT
RAMP 3	8,659	8,226	433	44,768					5% OF TOTAL CUT ASSUMED TO BE ROCK CUT
RAMP 4	18,548	17,621	927	2,368					5% OF TOTAL CUT ASSUMED TO BE ROCK CUT
RTE CC	132,110	125,505	6,606	86,502					5% OF TOTAL CUT ASSUMED TO BE ROCK CUT
MARSHALL	430	430	0	584					0% OF TOTAL CUT ASSUMED TO BE ROCK CUT
MARSHALL NORTH	696	696	0	4					0% OF TOTAL CUT ASSUMED TO BE ROCK CUT
RIFLE RANGE	12,533	11,907	627	10,013					5% OF TOTAL CUT ASSUMED TO BE ROCK CUT
ROUTE 86 PARK	1,757	1,669	88	191					ROUTE 86 PARK SIDEWALK & PARKING LOT
WALL A8755				-1,534					EXCEPTION FOR GRANULAR BACKFILL
GROUND IMPROVEMENT	87	87							EXCAVATION FOR GROUND IMPROVEMENT
SUBTOTALS	**182,273**	**169,866**	**12,407**	**143,236**	**142,909**	**182,273**	**327**	**142,909**	
					TOTALS	**201,772**	**275,217**	**157,962**	

NOTE: 25% SHRINK AND SWELL ASSUMED DURING COMPACTION

COMPACTING IN CUT

ROADWAY	LOCATION	FROM STATION	TO STATION	COMPACTING IN CUT (STA)	REMARKS
ROUTE CC	CL	62+50	72+00	9.5	
ROUTE CC	CL	80+50	89+25	8.8	
ROUTE CC	CL	92+50	92+65	0.2	
ROUTE CC	CL	103+85	106+90	3.1	
ROUTE CC	CL	114+60	135+30	20.7	
RAMP 1	CL	4+50.00	7+75.00	3.3	
RAMP 4	CL	1+25.00	4+40.00	3.2	
RAMP 4	CL	6+35.00	8+75.00	2.4	
MARSHALL	CL	6+75.00	7+30.00	0.6	
MARSHALL	CL	7+50.00	7+62.00	0.1	
NORTH OUTER ROAD	CL	637+00.00	639+95.00	3.0	
N MARSHALL	CL	10+00.00	1100	1.0	
RIFLE RANGE	CL	22+75.00	2725	4.5	
			TOTAL	**48.8**	

PRELIMINARY

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SUMMARY OF QUANTITIES
SHEET 3 OF 33

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PRELIMINARY

PAVEMENT & BASE (NON-ALTERNATE)

SHEET	FROM STATION	TO STATION	BASELINE	LOCATION	CONCRETE PAVEMENT (8 IN. NON-REINF) (SQYD)	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK) (SQYD)	8 IN. CONCRETE MEDIAN STRIP (SQYD)	TRUCK APRON (SQYD)	PIGMENTING AND TEXTURING CONCRETE (SQYD)	REMARKS
6	54.99.79	55+48.77	ROUTE CC	RT				8.6	9	
6	54+78.73	55+82.99	ROUTE CC	LT				81.3	81	
6	61+91.36	62+72.77	ROUTE CC	RT				70.2	70	
6	54+29.30	55+92.23	WEST ROUNDABOUT					328.8	329	
6	60+62.85	61+84.54	EAST ROUNDABOUT					412.3	412	
6	629+54.95	630+07.99	NORTH OUTER ROAD	RT			53.4		53	
6	632+05.17	632+63.34	NORTH OUTER ROAD	LT			64.7		65	
6	56+11.71	56+61.71	ROUTE CC	RT			98.3		98	
6	59+92.84	60+43.58	ROUTE CC	LT			80.0		80	
6	9+44.41	9+26.78	MARSHALL	RT			42.8		43	
6	62+05.61	62+65.55	ROUTE CC	LT			57.4		57	
10	72+85.75	73+16.70	ROUTE CC	RT		104				DRIVEWAY
6			ROUTE CC	RT	57.2	57				PAD FOR MAINTEANCE OF CCTV CAMERA
15	20+89.14	21+22.90	RIFLE RANGE	LT	42.0	42				ADA STALL ROUTE 66 PARKING LOT
15 & 16	16+26.98	21+49.69	RIFLE RANGE	LT		1,293				ROUTE 66 PARK AND DRIVE
						5,561				SIDEWALK SUBTOTAL
				TOTALS	99.2	7,057	396.7	901.3	1,297	

NON-ALTERNATE CURB AND GUTTER

SHEET	FROM STATION	TO STATION	BASELINE	LOCATION	INTEGRAL CURB (6 IN. HEIGHT AND UNDER) TYPE A (LF)	CURB AND GUTTER TYPE B (LF)	REMARKS
6	2+99.56	4+82.97	W. ROUNDABOUT	RT		291	
6	2+22.09	2+82.84	W. ROUNDABOUT	RT		181	
6	1+42.61	2+11.79	W. ROUNDABOUT	RT		182	
6	0+72.43	1+28.52	W. ROUNDABOUT	RT		269	
6	0+63.87	5+04.92	W. ROUNDABOUT	RT		170	
6	3+32.53	0+29.78	E. ROUNDABOUT	RT		207	
6	0+38.27	0+94.92	E. ROUNDABOUT	RT		229	
6	1+08.10	1+64.19	E. ROUNDABOUT	RT		255	
6	1+69.94	2+51.00	E. ROUNDABOUT	RT		570	INCLUDES RAMP 3A
6	2+64.97	3+17.69	E. ROUNDABOUT	RT		158	
6	0+00.00	5+15.22	W. ROUNDABOUT	LT	474		INSIDE TRUCK APRON
6	0+00.00	3+89.56	E. ROUNDABOUT	LT	320		INSIDE TRUCK APRON
				TOTALS	794	2,512	

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DATE PREPARED 3/11/2019

ROUTE I-44 | STATE MO

DISTRICT SW | SHEET NO. 3

COUNTY WEBSTER

JOB NO. J8I0445

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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

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SUMMARY OF QUANTITIES
SHEET 4 OF 33

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DISTRICT SW | SHEET NO. 3
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PRELIMINARY

ALTERNATE A (ASPHALT) PAVEMENT & BASE

SHEET	FROM STATION	TO STATION	BASELINE	LOCATION	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK) (SQYD)	11 INCHES, BITUMINOUS PAVEMENT (SQYD)	BITUMINOUS SHOULDER RUMBLE STRIP (STA)	REMARKS
4	12+89.97	14+49.97	RAMP 2	LT & RT	1,414	981.9		
4	0+00.00	2+63.24	RAMP 3	LT & RT	1,531	1,058.3		
5	4+09.25	13+13.00	RAMP 2	LT & RT	2,661	1,724.2		
5	617+50.00	626+50.00	RAMP 3	LT & RT	3,124	1,954.6		
5	617+98.85	620+00.99	I-44 WB	LT			2.0	
5	619+41.93	621+55.64	I-44 EB	RT			2.1	
6	0+18.58	4+08.25	RAMP 2	LT & RT	1,165	772.7		
6	11+75.33	15+61.02	RAMP 3	LT & RT	970	756.1		
6	1+08.07	4+31.30	RAMP 3A	LT & RT	707	622.2		
6	56+10.37	57+37.30	ROUTE CC	LT & RT	574	491.2		
6	59+07.80	60+44.80	ROUTE CC	LT & RT	585	488.5		
6	0+00.00	5+15.22	W ROUNDABOUT	RT	1,685	1,143.5		
6	10+69.92	13+70.06	RAMP 1	LT & RT	862	550.8		
6	0+00.00	3+89.56	E ROUNDABOUT	RT	1,475	892.2		
6	0+19.31	3+45.06	RAMP 4	LT & RT	907	597.2		
6	62+02.81	64+00.00	ROUTE CC	LT & RT	906	733.0		
7	1+65.44	10+69.97	RAMP 1	LT & RT	3,117	1,959.6		
7	3+44.88	10+69.96	RAMP 4	LT & RT	2,449	1,529.0		
7	639+12.13	640+68.07	I-44 EB	RT			1.6	
7&8	639+26.79	644+18.75	I-44 WB	LT			4.9	
8	643+50.00	651+15.00	I-44 WB	LT	1,460	975.7		
8	643+50.00	649+10.00	I-44 WB	RT	942	610.3		
10	64+00.00	76+50.00	ROUTE CC	LT & RT	4,463	3,629.2		
11	64+00.00	78+16.38	ROUTE CC	LT & RT	951	798.7		
11	10+12.78	11+00.00	MARSHALL N.	LT		38.4		SHOULDER
11	10+11.24	11+00.00	MARSHALL N.	RT.		37.8		SHOULDER
				TOTALS	**31,948**	**22,345.1**	**10.6**	

ALTERNATE A (ASPHALT) CURB

SHEET	FROM STATION	TO STATION	BASELINE	LOCATION	CONCRETE CURB LOW PROFILE TYPE F (LF)	CONCRETE CURB (6 IN. HEIGHT AND UNDER) TYPE S (LF)	REMARKS
6	0+00.00	5+15.22	W. ROUNDABOUT	CL	515.2		
6	56+61.70	57+17.30	ROUTE CC	LT		55.6	
6	57+04.14	57+37.30	ROUTE CC	RT		33.2	
6	59+27.80	59+57.11	ROUTE CC	LT		29.3	
6	59+07.80	60+00.86	ROUTE CC	RT		93.1	
6	0+00.00	3+89.56	E. ROUNDABOUT	CL	389.6		
				TOTALS	**905**	**211**	

THE GRADING SHOWN ON THE PLANS WAS DESIGNED FOR THE CONCRETE PAVEMENT ALTERNATE.

SUMMARY OF QUANTITIES
SHEET 5 OF 33

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DATE PREPARED 3/11/2019
ROUTE I-44 | STATE MO
DISTRICT SW | SHEET NO. 3
COUNTY WEBSTER
JOB NO. J8I0445
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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

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PRELIMINARY

ALTERNATE B (CONCRETE) PAVEMENT & BASE

SHEET	FROM STATION	TO STATION	BASELINE	LOCATION	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK) (SQYD)	CONCRETE PAVEMENT (9 IN. NON-REINFORCED 15 FT. JOINTS) (SQYD)	PORTLAND CEMENT CONCRETE SHOULDER RUMBLE STRIP (STA)	REMARKS
4	12+89.97	14+49.97	RAMP 2	LT & RT	1,414	981.9		
4	0+00.00	2+63.24	RAMP 3	LT & RT	1,531	1,058.3		
5	4+09.25	13+13.00	RAMP 2	LT & RT	2,661	1,724.2		
5	617+50.00	626+50.00	RAMP 3	LT & RT	3,124	1,954.6		
5	617+98.85	620+00.99	I-44 WB	LT			2.0	
5	619+41.93	621+55.64	I-44 EB	RT			2.1	
6	0+18.58	4+08.25	RAMP 2	LT & RT	1,165	772.7		
6	11+75.33	15+61.02	RAMP 3	LT & RT	970	756.1		
6	1+08.07	4+31.30	RAMP 3A	LT & RT	707	622.2		
6	56+10.37	57+37.30	ROUTE CC	LT & RT	574	491.2		
6	59+07.80	60+44.80	ROUTE CC	LT & RT	585	488.5		
6	0+00.00	5+15.22	W ROUNDABOUT	RT	1,685	1,143.5		
6	10+69.92	13+70.06	RAMP 1	LT & RT	862	550.8		
6	0+00.00	3+89.56	E ROUNDABOUT	RT	1,475	892.2		
6	0+19.31	3+45.06	RAMP 4	LT & RT	907	597.2		
6	62+02.81	64+00.00	ROUTE CC	LT & RT	906	733.0		
6	0+95.00	4+09.25	RAMP 2	RT	0	0.0		
6	1+40.00	4+10.49	RAMP 2	LT	0	0.0		
7	1+65.44	10+69.96	RAMP 1	RT	0	0.0		
7	2+86.75	10+68.96	RAMP 1	LT	0	0.0		
8	643+50.00	651+15.00	I-44 WB	LT	1,460	975.7		
8	643+50.00	649+10.00	I-44 WB	RT	942	610.3		
8	643+50.00	651+15.00	I-44 WB	LT	0	0.0		
8	643+50.00	649+10.00	I-44 WB	RT	0	0.0		
11	10+12.78	11+00.00	MARSHALL N.	LT		38.4		SHOULDER
11	10+11.24	11+00.00	MARSHALL N.	RT.		37.8		SHOULDER
				TOTALS	31,948	22,345.1	10.6	

ALTERNATE B (CONCRETE) CURB

SHEET	FROM STATION	TO STATION	BASELINE	LOCATION	CONCRETE CURB LOW PROFILE TYPE E (LF)	INTEGRAL CURB (6 IN. HEIGHT AND UNDER) TYPE A (LF)	REMARKS
6	0+00.00	5+15.22	W. ROUNDABOUT	CL	515.2		
6	56+61.70	57+17.30	ROUTE CC	LT		55.6	
6	57+04.14	57+37.30	ROUTE CC	RT		33.2	
6	59+27.80	59+57.11	ROUTE CC	LT		29.3	
6	59+07.80	60+00.86	ROUTE CC	RT		93.1	
6	0+00.00	3+89.56	E. ROUNDABOUT	CL	389.6		
				TOTALS	905	211	

THE GRADING SHOWN ON THE PLANS WAS DESIGNED FOR THE CONCRETE PAVEMENT ALTERNATE.

SUMMARY OF QUANTITIES
SHEET 6 OF 33

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PRELIMINARY

ALTERNATE C (ASPHALT) A2 SHOULDER & TYPE O CURB

SHEET	FROM STATION	TO STATION	BASELINE	LOCATION	CONCRETE CURB (4 IN. HEIGHT) TYPE O (LF)	TYPE A2 SHOULDER (SQYD)	REMARKS
4	609+74.97	617+50.00	I-44 WB	LT		457.5	
4	610+45.67	617+50.00	I-44 WB	RT		472.7	
4	611+49.97	616+91.69	I-44 WB	LT	537.6		
4	12+89.01	13+70.94	RAMP 2	RT	57.8		
5	4+09.25	13+13.00	RAMP 2	LT		702.7	
5	4+09.25	13+13.00	RAMP 2	RT		342.1	
5	617+50.00	626+50.00	RAMP 3	LT		460.8	
5	617+50.00	626+50.00	RAMP 3	RT		709.1	
5	10+46.53	12+89.01	RAMP 2	RT	241.5		
6	0+95.00	4+09.25	RAMP 2	RT		235.1	
6	1+40.00	4+10.49	RAMP 2	LT		92.0	
6	11+75.48	14+15.00	RAMP 3	LT		82.2	
6	11+76.39	12+86.09	RAMP 3	RT		84.6	
4	0+92.27	3+36.75	RAMP 4	LT		83.0	
4	0+92.61	3+36.75	RAMP 4	RT		176.3	
6	10+69.97	13+05.00	RAMP 1	RT		172.4	
6	10+68.96	13+05.00	RAMP 1	LT		82.1	
6	62+83.42	64+00.00	ROUTE CC	LT		34.9	
6	62+88.50	64+00.00	ROUTE CC	RT		33.7	
7	1+65.44	10+69.96	RAMP 1	RT		703.9	
7	2+86.75	10+68.96	RAMP 1	LT		453.6	
7	3+45.06	10+49.79	RAMP 4	RT		667.0	
7	3+45.06	9+27.48	RAMP 4	LT		253.0	
8	643+50.00	651+15.00	I-44 WB	LT		484.7	
8	643+50.00	649+10.00	I-44 WB	RT		331.9	
8	644+15.90	645+66.96	NOR	LT		40.0	DRIVEWAY
9	5+20.05	5+59.33	MARSHALL	RT		93.1	DRIVEWAY
				TOTALS	**836.9**	**7,248.4**	

ALTERNATE D (CONCRETE) A2 SHOULDER & TYPE O CURB

SHEET	FROM STATION	TO STATION	BASELINE	LOCATION	INTEGRAL CURB TYPE O, 4 IN. (LF)	TYPE A2 SHOULDER (SQYD)	REMARKS
4	609+74.97	617+50.00	I-44 WB	LT		457.5	
4	610+45.67	617+50.00	I-44 WB	RT		472.7	
4	611+49.97	616+91.69	I-44 WB	LT	537.6		
4	12+89.01	13+70.94	RAMP 2	RT	57.8		
5	4+09.25	13+13.00	RAMP 2	LT		702.7	
5	4+09.25	13+13.00	RAMP 2	RT		342.1	
5	617+50.00	626+50.00	RAMP 3	LT		460.8	
5	617+50.00	626+50.00	RAMP 3	RT		709.1	
5	10+46.53	12+89.01	RAMP 2	RT	241.5		
6	0+95.00	4+09.25	RAMP 2	RT		235.1	
6	1+40.00	4+10.49	RAMP 2	LT		92.0	
6	11+75.48	14+15.00	RAMP 3	LT		82.2	
6	11+76.39	12+86.09	RAMP 3	RT		84.6	
6	0+00.00	4+31.30	RAMP 3A	RT			
4	0+92.27	3+36.75	RAMP 4	LT		83.0	
4	0+92.61	3+36.75	RAMP 4	RT		176.3	
6	10+69.97	13+05.00	RAMP 1	RT		172.4	
6	10+68.96	13+05.00	RAMP 1	LT		82.1	
6	62+83.42	64+00.00	ROUTE CC	LT		34.9	
6	62+88.50	64+00.00	ROUTE CC	RT		33.7	
7	1+65.44	10+69.96	RAMP 1	RT		703.9	
7	2+86.75	10+68.96	RAMP 1	LT		453.6	
7	3+45.06	10+49.79	RAMP 4	RT		667.0	
7	3+45.06	9+27.48	RAMP 4	LT		253.0	
8	643+50.00	651+15.00	I-44 WB	LT		484.7	
8	643+50.00	649+10.00	I-44 WB	RT		331.9	
8	644+15.90	645+66.96	NOR	LT		40.0	DRIVEWAY
9	5+20.05	5+59.33	MARSHALL	RT		93.1	DRIVEWAY
				TOTALS	**836.9**	**7,248.4**	

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SUMMARY OF QUANTITIES
SHEET 7 OF 33

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DATE PREPARED 3/11/2019
ROUTE I-44 | STATE MO
DISTRICT SW | SHEET NO. 3
COUNTY WEBSTER
JOB NO. J8I0445
CONTRACT ID.
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DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
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PRELIMINARY

ALTERNATE E (ASPHALT) PAVEMENT AND BASE

SHEET	FROM STATION	TO STATION	BASELINE	LOCATION	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK) (SQYD)	9 INCHES, BITUMINOUS PAVEMENT (SQYD)	BITUMINOUS SHOULDER RUMBLE STRIP (STA)	REMARKS
5	617+18.93	626+00.00	NOR	LT & RT	2,720	2,338.4		
5	617+18.93	626+00.00	NOR	LT		188.9		SHOUDER
5	617+18.93	626+00.00	NOR	RT		192.3		SHOULDER
6	626+00.00	630+10.12	NOR	LT & RT	1,631	1,295.1		
6	632+02.96	635+00.00	NOR	LT & RT	1,251	960.7		
6	626+00.00	629+50.00	NOR	LT		160.1		SHOULDER
6	626+00.00	629+25.00	NOR	RT		138.1		SHOULDER
6	632+80.00	635+00.00	NOR	LT		100.9		SHOULDER
6	633+20.00	635+00.00	NOR	RT		76.0		SHOULDER
6	6+50.00	9+47.27	MARSHALL RD	LT & RT	1,323	1,135.9		
6	6+50.00	7+76.08	MARSHALL RD	LT		27.1		SHOULDER
6	6+50.00	8+79.36	MARSHALL RD	RT		51.8		SHOULDER
7	635+00.00	644+15.90	NOR	LT & RT	2,920	2,442.4		
7	635+00.00	644+15.90	NOR	LT		239.2		SHOULDER
7	635+00.00	644+15.90	NOR	RT		238.9		SHOULDER
8	644+15.90	645+66.96	NOR	LT & RT	470	402.8		
8	644+15.90	645+66.96	NOR	LT		33.6		SHOULDER
8	644+15.90	645+66.96	NOR	RT		33.6		SHOULDER
9	2+34.21	6+50.00	MARSHALL RD	LT & RT	1,678	1,494.4		
9	2+34.21	6+50.00	MARSHALL RD	LT		89.9		SHOULDER
9	2+34.21	6+50.00	MARSHALL RD	RT		94.1		SHOULDER
11	78+16.38	89+00.00	ROUTE CC	LT & RT	3,853	3,130.5		
12	89+00.00	101+50.00	ROUTE CC	LT & RT	4,444	3,611.1		
13	101+50.00	114+00.00	ROUTE CC	LT & RT	4,550	3,726.3		
14	114+00.00	125+50.00	ROUTE CC	LT & RT	4,092	3,322.2		
15	125+50.00	139+75.94	ROUTE CC	LT & RT	4,873	4,070.7		
15	21+00.00	22+79.33	RIFLE RANGE RD	LT & RT	748	621.6		
15	21+00.00	22+79.33	RIFLE RANGE RD	LT		61.0		SHOULDER
15	21+00.00	22+79.33	RIFLE RANGE RD	RT		65.1		SHOULDER
15	23+03.81	27+25.00	RIFLE RANGE RD	LT & RT	1,632	1,400.3		
15	23+03.81	27+25.00	RIFLE RANGE RD	LT		126.7		SHOULDER
15	23+03.81	27+25.00	RIFLE RANGE RD	RT		104.8		SHOULDER
16	17+10.00	21+00.00	RIFLE RANGE RD	LT & RT	1,172	1,021.3		
16	17+10.00	21+00.00	RIFLE RANGE RD	LT		73.5		SHOULDER
16	17+10.00	21+00.00	RIFLE RANGE RD	RT		77.6		SHOULDER
				TOTALS	**37,358**	**33,146.8**	**0.0**	

THE GRADING SHOWN ON THE PLANS WAS DESIGNED FOR THE CONCRETE PAVEMENT ALTERNATE.

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DATE PREPARED: 3/11/2019
ROUTE: I-44 | STATE: MO
DISTRICT: SW | SHEET NO.: 3
COUNTY: WEBSTER
JOB NO.: J8I0445
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

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

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

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PRELIMINARY

ALTERNATE F (CONCRETE) PAVEMENT & BASE

SHEET	FROM STATION	TO STATION	BASELINE	LOCATION	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK) (SQYD)	CONCRETE PAVEMENT (8 IN. NON-REINFORCED , 15 FT. JOINTS) (SQYD)	PORTLAND CEMENT CONCRETE SHOULDER RUMBLE STRIP (STA)	REMARKS
5	617+18.93	626+00.00	NOR	LT & RT	2,720	2,338.4		
5	617+18.93	626+00.00	NOR	LT		188.9		SHOUDER
5	617+18.93	626+00.00	NOR	RT		192.3		SHOULDER
6	626+00.00	630+10.12	NOR	LT & RT	1,631	1,295.1		
6	632+02.96	635+00.00	NOR	LT & RT	1,251	960.7		
6	626+00.00	629+50.00	NOR	LT		160.1		SHOULDER
6	626+00.00	629+25.00	NOR	RT		138.1		SHOULDER
6	632+80.00	635+00.00	NOR	LT		100.9		SHOULDER
6	633+20.00	635+00.00	NOR	RT		76.0		SHOULDER
6	6+50.00	9+47.27	MARSHALL RD	LT & RT	1,323	1,135.9		
6	6+50.00	7+76.08	MARSHALL RD	LT		27.1		SHOULDER
6	6+50.00	8+79.36	MARSHALL RD	RT		51.8		SHOULDER
7	635+00.00	644+15.90	NOR	LT & RT	2,920	2,442.4		
7	635+00.00	644+15.90	NOR	LT		239.2		SHOULDER
7	635+00.00	644+15.90	NOR	RT		238.9		SHOULDER
8	644+15.90	645+66.96	NOR	LT & RT	470	402.8		
8	644+15.90	645+66.96	NOR	LT		33.6		SHOULDER
8	644+15.90	645+66.96	NOR	RT		33.6		SHOULDER
9	2+34.21	6+50.00	MARSHALL RD	LT & RT	1,678	1,494.4		
9	2+34.21	6+50.00	MARSHALL RD	LT		89.9		SHOULDER
9	2+34.21	6+50.00	MARSHALL RD	RT		94.1		SHOULDER
11	78+16.38	89+00.00	ROUTE CC	LT & RT	3,853	3,130.5		
12	89+00.00	101+50.00	ROUTE CC	LT & RT	4,444	3,611.1		
13	101+50.00	114+00.00	ROUTE CC	LT & RT	4,550	3,726.3		
14	114+00.00	125+50.00	ROUTE CC	LT & RT	4,092	3,322.2		
15	125+50.00	139+75.94	ROUTE CC	LT & RT	4,873	4,070.7		
15	21+00.00	22+79.33	RIFLE RANGE RD	LT & RT	748	621.6		
15	21+00.00	22+79.33	RIFLE RANGE RD	LT		61.0		SHOULDER
15	21+00.00	22+79.33	RIFLE RANGE RD	RT		65.1		SHOULDER
15	23+03.81	27+25.00	RIFLE RANGE RD	LT & RT	1,632	1,400.3		
15	23+03.81	27+25.00	RIFLE RANGE RD	LT		126.7		SHOULDER
15	23+03.81	27+25.00	RIFLE RANGE RD	RT		104.8		SHOULDER
16	17+10.00	21+00.00	RIFLE RANGE RD	LT & RT	1,172	1,021.3		
16	17+10.00	21+00.00	RIFLE RANGE RD	LT		73.5		SHOULDER
16	17+10.00	21+00.00	RIFLE RANGE RD	RT		77.6		SHOULDER
				TOTALS	**37,358**	**33,146.8**	**0.0**	

THE GRADING SHOWN ON THE PLANS WAS DESIGNED FOR THE CONCRETE PAVEMENT ALTERNATE.

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SUMMARY OF QUANTITIES
SHEET 9 OF 33

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PRELIMINARY

CONCRETE TRAFFIC BARRIER

SHEET	FROM STATION	TO STATION	BASELINE	LOCATION	CONCRETE TRAFFIC BARRIER, TYPE D (MODIFIED) (LF)	CONCRETE TRAFFIC BARRIER, SPECIAL (LF)	CONCRETE TRAFFIC BARRIER FORM LINING AND STAINING (LS)	REMARKS
3	629+76.92	631+61.21	WB I - 44	LT	184			IN FRONT OF WALL A8754
3	629+76.72	631+61.20	WB I - 44	RT	184			IN FRONT OF WALL A8755
4	57+17.30	57+37.30	ROUTE CC	LT		20		TRANSITION BARRIER HEIGHT FROM 2'8" TO 0" OVER LENGTH
4	57+17.30	57+37.30	ROUTE CC	RT		20		
4	59+07.80	59+27.80	ROUTE CC	LT		20		
4	59+07.80	59+27.80	ROUTE CC	RT		20		
4	57+17.30	59+27.80	ROUTE CC	RT & LT			1	MATCH BARRIER ON BRIDGE
				TOTALS	**369**	**80**	**1**	

ALTERNATE G (ASPHALT) A2 SHOULDER

SHEET	FROM STATION	TO STATION	BASELINE	LOCATION	TYPE A2 SHOULDER (SQYD)	REMARKS
10	64+00.00	76+50.00	ROUTE CC	LT	417.7	
10	64+00.00	76+50.00	ROUTE CC	RT	415.7	
10	72+85.75	73+16.70	ROUTE CC	RT	111.1	DRIVEWAY
11	76+50.00	76+97.25	ROUTE CC	LT	15.8	
11	76+50.00	78+14.75	ROUTE CC	RT	54.9	
11	78+14.75	89+00.00	ROUTE CC	LT	361.2	
11	78+14.75	89+00.00	ROUTE CC	RT	361.7	
12	89+00.00	101+50.00	ROUTE CC	LT	416.7	
12	89+00.00	101+50.00	ROUTE CC	RT	416.7	
13	101+50.00	114+00.00	ROUTE CC	LT	420.3	
13	101+50.00	102+66.11	ROUTE CC	RT	14.6	
13	103+76.12	114+00.00	ROUTE CC	RT	337.6	
14	114+00.00	125+50.00	ROUTE CC	LT	379.8	
14	114+00.00	125+50.00	ROUTE CC	RT	389.9	
15	125+50.00	131+69.69	ROUTE CC	LT	205.7	
15	125+50.00	132+25.20	ROUTE CC	RT	226.4	
15	133+49.20	139+75.94	ROUTE CC	LT	181.6	
15	133+56.42	139+75.94	ROUTE CC	RT	189.1	
				TOTALS	**4,916.5**	

ALTERNATE H (CONCRETE) A2 SHOULDER

SHEET	FROM STATION	TO STATION	BASELINE	LOCATION	TYPE A2 SHOULDER (SQYD)	REMARKS
10	64+00.00	76+50.00	ROUTE CC	LT	417.7	
10	64+00.00	76+50.00	ROUTE CC	RT	415.7	
10	72+85.75	73+16.70	ROUTE CC	RT	111.1	DRIVEWAY
11	76+50.00	76+97.25	ROUTE CC	LT	15.8	
11	76+50.00	78+14.75	ROUTE CC	RT	54.9	
11	78+14.75	89+00.00	ROUTE CC	LT	361.2	
11	78+14.75	89+00.00	ROUTE CC	RT	361.7	
12	89+00.00	101+50.00	ROUTE CC	LT	416.7	
12	89+00.00	101+50.00	ROUTE CC	RT	416.7	
13	101+50.00	114+00.00	ROUTE CC	LT	420.3	
13	101+50.00	102+66.11	ROUTE CC	RT	14.6	
13	103+76.12	114+00.00	ROUTE CC	RT	337.6	
14	114+00.00	125+50.00	ROUTE CC	LT	379.8	
14	114+00.00	125+50.00	ROUTE CC	RT	389.9	
15	125+50.00	131+69.69	ROUTE CC	LT	205.7	
15	125+50.00	132+25.20	ROUTE CC	RT	226.4	
15	133+49.20	139+75.94	ROUTE CC	LT	181.6	
15	133+56.42	139+75.94	ROUTE CC	RT	189.1	
				TOTALS	**4,916.5**	

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COUNTY WEBSTER

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SUMMARY OF QUANTITIES
SHEET 10 OF 33

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SIDEWALK

PLAN SHEET	FROM STATION	TO STATION	BASELINE	LOCATION	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK) (SQYD)	CONCRETE SIDEWALK, 4 IN. (SQYD)	CONCRETE CURB RAMP (SQYD)	TRUNCATED DOMES (SQFT)	STAMPING AND STAINING CONCRETE SIDEWALK (LS)	REMARKS
6	54+32.35	54+41.57	ROUTE CC	RT	10		9.8			
6	54+36.10	54+37.97	ROUTE CC	RT				20		
6	54+61.87	54+62.00	ROUTE CC	RT				20		
6	54+66.74	54+74.20	ROUTE CC	RT				20		
6	54+87.19	54+93.40	ROUTE CC	RT	10		9.8			
6	54+91.53	55+00.67	ROUTE CC	RT				20		
6	55+00.67	55+75.07	ROUTE CC	RT	87	87.0				
6	55+75.07	55+84.19	ROUTE CC	RT	11		10.5			
6	55+78.00	55+79.46	ROUTE CC	RT				20		
6	55+92.23	56+05.80	ROUTE CC	RT	10		9.6			
6	55+94.66	56+02.81	ROUTE CC	RT				20		
6	56+05.80	57+56.80	ROUTE CC	RT	158	158.3				
6	58+88.30	60+62.85	ROUTE CC	RT	192	191.8				
6	60+62.85	60+67.39	ROUTE CC	RT	9		9.1			
6	60+62.85	60+64.18	ROUTE CC	RT				20		
6	60+74.76	60+89.49	ROUTE CC	RT	10		9.9			
6	60+84.57	60+86.21	ROUTE CC	RT				20		
6	60+89.49	61+72.69	ROUTE CC	RT	104	104.1				
6	61+72.69	61+84.54	ROUTE CC	RT	10		9.6			
6	61+75.53	61+84.00	ROUTE CC	RT				20		
6	61+84.54	61+84.54	ROUTE CC	RT				20		
6	61+84.54	61+84.54	ROUTE CC	RT				20		
6	61+85.17	61+90.70	ROUTE CC	RT	9		9.1			
6	61+85.17	61+87.01	ROUTE CC	RT				20		
6	61+90.70	64+00.00	ROUTE CC	RT	226	225.5				
10	64+00.00	72+97.92	ROUTE CC	RT	982	982.1				
10	73+08.61	76+50.00	ROUTE CC	RT	380	380.1				
11	76+50.00	89+00.00	ROUTE CC	RT	1,388	1,387.9				
12	89+00.00	101+50.00	ROUTE CC	RT	1,389	1,388.8				
13	101+50.00	103+01.38	ROUTE CC	RT	163	163.1				
13	102+80.08	102+98.53	ROUTE CC	RT	13		13.2			
13	102+84.08	102+86.08	ROUTE CC	RT				20		
15	21+44.68	21+56.61	RIFLE RANGE	LT	180	180.3				ROUTE 66 PARK
15	21+16.78	22+24.73	RIFLE RANGE	RT	220	219.9				ROUTE 66 PARK
									1	MATCH BRIDGE, 228 SF
					5,561					SUBTOTAL, SEE PVMT FOR TOTAL
				TOTALS	--	5,468.9	90.6	260	1	

BOX CULVERTS

SHEET	CENTERLINE STATION	BASELINE	LOCATION	LENGTH (FT)	CLASS 4 EXCAVATION (CUYD)	CLASS B-1 CONCRETE (CULVERTS) (CUYD)	REINFORCING STEEL (CULVERTS) (LB)	REMARKS
13	102+61.90	ROUTE CC	LEFT/RIGHT	217'-9"	194	155.9	28,590	SINGLE 8' X 6' BOX CULVERT UNDER ROUTE CC
15	21+55.93	RIFLE RANGE	LEFT/RIGHT	107'-3"	145	116.9	20,260	SINGLE 10'X8' CULVERT UNDER HUBBLE DRIVE
5	621+14.66	I-44 WB	LEFT	163'-6 1/2"	260	167.1	39,260	SINGLE 8' X 7' BOX CULVERT EXTENSION
5	621+14.66	I-44 WB	RIGHT	105'-11 7/8"	185	106.2	18,440	SINGLE 8' X 7' BOX CULVERT EXTENSION
				TOTALS	784	546.1	106,550	

PRELIMINARY

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SUMMARY OF QUANTITIES
SHEET 11 OF 33

WATERBORNE PAVEMENT MARKING

PAVEMENT MARKING SHEET	FROM STATION	TO STATION	BASELINE	LOCATION	4 IN. YELLOW HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS (LF)	6 IN. WHITE HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS (LF)	6 IN. YELLOW HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS (LF)	12 IN. WHITE HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS (LF)	4 IN. WHITE STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS (LF)	4 IN. YELLOW STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS (LF)	REMARKS
1	609+75.03	617+13.14	I-44 WB	LT		843					INCLUDES INTERMITTENT STRIPING
1	610+65.00	615+18.20	I-44 EB	RT		554					
1-3	0+00.00	15+50.00	RAMP 3	RT & LT		1,727	1,131	728			INCLUDES MARKING ALONG I-44 EB
1-3	13+49.65	0+01.22	RAMP 2	RT & LT		1,359	1,056	489			INCLUDES MARKING ALONG I-44 WB
2-3	617+18.93	630+10.07	NOR	RT & LT		302	87		2,412	2,816	
3	0+00.00	5+15.22	W ROUNDABOUT	RT	518	261					
3-5	632+01.45	645+66.96	NOR	RT & LT		332	116		2,492	2,971	
3-5	0+00.00	13+77.20	RAMP 1	RT & LT		1,639	1,040	576			INCLUDES MARKING ALONG I-44 WB
3	56+02.73	60+51.19	ROUTE CC	RT & LT	1,024	1,223	205				
3	0+00.00	4+31.30	BYPASS	RT & LT		516	255				
3-4	0+00.00	10+49.79	RAMP 4	RT & LT		1,292	793	492			
4-5	642+47.13	649+10.00	I-44 EB	RT		754					
5	645+15.00	651+15.00	I-44 WB	LT		688					INCLUDES INTERMITTENT STRIPING
3, 6	2+34.21	9+65.53	MARSHALL RD	RT & LT		415	102		1,150	1,767	INCLUDES INTERMITTENT STRIPING
3	0+00.00	3+89.56	E ROUNDABOUT	RT	393	193					
3, 7-12	62+03.55	134+76.87	ROUTE CC	RT & LT		254	120		15,008	16,111	
8	10+62.16	11+49.35	N MARSHALL	RT & LT					228	159	
12, 13	16+95.45	26+36.93	RIFLE RANGE	RT & LT					2,114	1,887	
				TOTALS	1,935	12,352	4,905	2,285	23,404	25,711	

PREFORMED THERMOPLASTIC PAVEMENT MARKING

PAVEMENT MARKING SHEET	FROM STATION	TO STATION	BASELINE	LOCATION	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 12 IN WHITE (LF)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 30 IN WHITE MIDBLOCK (EA)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 12 IN WHITE, YIELD LINE TRIANGLES (EA)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24 IN. YELLOW (LF)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24 IN. WHITE (LF)	REMARKS
1-3	0+00.00	13+26.56	RAMP 3	RT & LT		4	8			INCLUDES MARKING ALONG I-44 EB
1-3	13+25.93	0+01.95	RAMP 2	RT & LT		5				INCLUDES MARKING ALONG I-44 WB
2-3	617+18.93	630+10.07	NOR	RT & LT		8	9	29		
3	0+00.00	5+15.22	W ROUNDABOUT	RT	40					
3-5	632+03.24	645+67.27	NOR	RT & LT			9	26		
3-5	0+00.00	13+72.31	RAMP 1	RT & LT			9			INCLUDES MARKING ALONG I-44 WB
3	56+09.48	60+45.73	ROUTE CC	RT & LT			19			
3, 6	2+34.21	9+46.64	MARSHALL RD	RT & LT		8	9	46		INCLUDES INTERMITTENT STRIPING
3	0+00.00	3+89.56	E ROUNDABOUT	RT	39					
3, 7-12	62+03.55	134+76.53	ROUTE CC	RT & LT			9	58		
8	10+62.16	11+49.35	N MARSHALL	RT & LT					26	
12, 13	16+95.69	26+36.93	RIFLE RANGE	RT & LT					72	
				TOTALS	78	25	72	159	98	

PREFORMED THERMOPLASTIC PAVEMENT MARKING - ADD ALTERNATE B

PAVEMENT MARKING SHEET	FROM STATION	TO STATION	BASELINE	LOCATION	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 12 IN WHITE	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 30 IN WHITE MIDBLOCK	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 12 IN WHITE, YIELD LINE TRIANGLES	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24 IN. YELLOW	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24 IN. WHITE	REMARKS
10, 14, 15	10+00.00	35+40.65	ELM	RT & LT		4	10		24	
				TOTALS	0	4	10	0	24	

PRELIMINARY

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SUMMARY OF QUANTITIES
SHEET 12 OF 33

DITCH LINER

SHEET	FROM STATION	TO STATION	BASELINE	LOCATION	FURNISHING TYPE 1 ROCK DITCH LINER (CUYD)	FURNISHING TYPE 2 ROCK DITCH LINER (CUYD)	FURNISHING TYPE 3 ROCK DITCH LINER (CUYD)	PLACING TYPE 1 ROCK DITCH LINER (CUYD)	PLACING TYPE 2 ROCK DITCH LINER (CUYD)	PLACING TYPE 3 ROCK DITCH LINER (CUYD)	BEDDING MATERIAL FOR ROCK DITCH LINER (CUYD)	TURF TYPE TALL FESCUE SODDING (SQYD)	TYPE 2 TURF REINFORCEMENT MAT (SQYD)	REMARKS
90	2+49.00	2+67.00	RAMP 3	RT	5			5						
90	610+45.81	617+34.16	WB I-44	RT								820		
91	2+67.00	5+10.00	RAMP 3	RT	68			68						
91	7+02.00	10+00.00	RAMP 3	RT			320			320	116			
91	10+00.00	11+80.00	RAMP 3	RT		104			104					
91	619+50.00	620+90.00	NOR	LT			127			127	46			
91	616+91.76	619+50.00	NOR	LT								299		
91	5+10.00	7+01.92	RAMP 3	RT								269		
91	4+00.27	10+49.92	RAMP 2	RT								656		
91	620+00.99	626+50.00	WB I-44	LT								702		
91	619+08.24	626+50.00	WB I-44	RT								742		
76	11+80.00	4+17.00	RAMP 3 TO RAMP 3A	RT		238			238					
76	3+00.00	4+00.00	RAMP 2	RT			215			215	78			
76	2+00.00	3+00.00	RAMP 2	RT		91			91					
76	628+80.00	629+13.00	NOR	RT		17			17					
76	1+17.29	1+99.95	RAMP 2	RT		19			19					
76	629+36.07	629+30.34	NOR	LT		12			12					
76	631+02.00	635+00.00	NOR	LT	114			114						
76	632+92.09	633+02.23	NOR	LT		19			19					
76	633+38.23	633+49.01	NOR	RT		13			13					
76	632+71.00	634+00.00	NOR	RT		42			42					
76	634+00.00	635+00.00	NOR	RT			164			164	60			
76	63+04.00	64+00.00	ROUTE CC	RT		48			48					
76	2+20.00	3+40.00	RAMP 4	RT		67			67					
76	626+50.00	629+76.60	WB I-44	LT								437		
76	626+50.00	629+29.60	WB I-44	RT								71		
76	6+49.67	7+89.07	MARSHALL RD	LT								185		
76	6+50.00	8+79.60	MARSHALL RD	RT								327		
76	631+89.90	634+50.00	WB I-44	LT								361		
76	632+01.39	634+50.00	WB I-44	RT								346		
76	0+20.00	2+20.13	RAMP 4	RT								275		
76	61+63.16	64+00.00	ROUTE CC										358	
77	635+00.00	636+50.00	NOR	LT	49			49						
77	635+00.00	635+91.00	NOR	RT			214			214	78			
77	635+91.00	636+62.00	NOR	RT	108			108						
77	3+40.00	5+19.00	RAMP 4	RT		103			103					
77	9+21.00	10+50.00	RAMP 4	RT		73			73					
77	636+52.00	639+99.69	NOR	LT								469		
77	638+62.45	644+17.27	NOR	RT								597		
77	634+50.00	641+79.39	WB I-44	LT								831		
77	5+19.09	9+21.10	RAMP 4	RT								555		
77	641+46.13	643+50.00	WB I-44	RT								285		
78	644+70.22	645+67.22	NOR	LT								134		
78	643+50.00	647+65.97	WB I-44	LT								915		
78	643+50.00	647+65.97	WB I-44	RT								756		
80	64+00.00	69+00.00	ROUTE CC	RT		254			254					
80	75+70.00	76+50.00	ROUTE CC	RT		51			51					
80	66+76.33	76+50.00	ROUTE CC	LT								1,353		
80	68+99.99	72+90.11	ROUTE CC	RT								542		
80	73+13.23	75+69.67	ROUTE CC	RT								356		
80	64+00.00	66+76.33	ROUTE CC										440	
81	76+50.00	85+16.00	ROUTE CC	RT		545			545					
81	88+40.00	89+00.00	ROUTE CC	RT		37			37					
81	10+31.99	14+35.94	MARSHALL RD NORTH	LT								507		
81	77+70.25	89+00.00	ROUTE CC	LT								1,639		
81	85+16.23	89+00.00	ROUTE CC	RT								533		
82	89+00.00	91+58.00	ROUTE CC	RT		174			174					
82	98+00.00	100+69.00	ROUTE CC	LT	84			84						
82	99+32.00	101+49.00	ROUTE CC	RT	67			67						
82	89+00.00	98+00.00	ROUTE CC	LT								1,254		
				TOTALS	**496**	**1,907**	**1,041**	**496**	**1,907**	**1,041**	**379**	**16,216**	**798**	

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DATE PREPARED 3/11/2019
ROUTE I-44 | STATE MO
DISTRICT SW | SHEET NO. 3
COUNTY WEBSTER
JOB NO. J8I0445
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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

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

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1631 WEST ELFINDALE STREET
SPRINGFIELD, MO 65807 (417) 869-6009
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SUMMARY OF QUANTITIES
SHEET 13 OF 33

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DITCH LINER CONT.

SHEET	FROM STATION	TO STATION	BASELINE	LOCATION	FURNISHING TYPE 1 ROCK DITCH LINER (CUYD)	FURNISHING TYPE 2 ROCK DITCH LINER (CUYD)	FURNISHING TYPE 3 ROCK DITCH LINER (CUYD)	PLACING TYPE 1 ROCK DITCH LINER (CUYD)	PLACING TYPE 2 ROCK DITCH LINER (CUYD)	PLACING TYPE 3 ROCK DITCH LINER (CUYD)	BEDDING MATERIAL FOR ROCK DITCH LINER (CUYD)	TURF TYPE TALL FESCUE SODDING (SQYD)	TYPE 2 TURF REINFORCEMENT MAT (SQYD)	REMARKS
82	100+69.18	101+50.00	ROUTE CC	LT								112		
82	89+00.00	101+50.00	ROUTE CC	RT								1,736		
82	91+58.72	91+99.62	ROUTE CC	RT								91		
83	102+94.00	104+39.00	ROUTE CC	LT			130			130	47			
83	104+14.00	104+54.00	ROUTE CC	RT	12			12						
83	108+49.00	109+60.00	ROUTE CC	LT	39			39						
83	108+96.00	109+62.00	ROUTE CC	RT	18			18						
83	109+62.00	112+41.00	ROUTE CC	RT		109			109					
83	109+60.00	111+11.00	ROUTE CC	LT		73			73					
83	111+11.00	112+71.00	ROUTE CC	LT	49			49						
83	112+41.00	114+00.00	ROUTE CC	RT	41			41						
83	112+71.00	114+00.00	ROUTE CC	LT		64			64					
83	101+50.00	102+81.60	ROUTE CC	LT								181		
83	104+38.86	108+49.03	ROUTE CC	LT								583		
83	104+53.71	108+95.96	ROUTE CC	RT								613		
84	114+00.00	114+94.00	ROUTE CC	LT	8			8						
84	114+00.00	114+30.00	ROUTE CC	RT		45			45					
84	114+94.66	125+50.00	ROUTE CC	LT								1,431		
84	114+30.75	125+50.00	ROUTE CC									1,588		
85	130+00.00	131+74.00	ROUTE CC	LT		77			77					
85	130+49.00	132+00.00	ROUTE CC	RT	45			45						
85	132+00.00	21+00.00	ROUTE CC TO RIFLE RANGE	RT TO LT		89			89					
85	21+00.00	22+64.00	RIFLE RANGE	RT		86			86					
85	137+05.00	138+35.00	ROUTE CC	RT		70			70					
85	125+50.00	130+00.00	ROUTE CC	LT								626		
85	125+50.00	130+50.00	ROUTE CC	RT								699		
85	23+69.63	27+25.00	RIFLE RANGE RD	LT								558		
85	27+25.00	139+75.94	RIFLE RANGE TO RTE CC									1,371		
85	133+54.55	137+05.00	ROUTE CC									530		
85	138+45.00	139+76.25	ROUTE CC									170		
86	20+43.00	21+00.00	RIFLE RANGE	LT		23			23					
86	19+50.00	21+00.00	RIFLE RANGE	RT		93			93					
86	16+74.29	20+44.21	RIFLE RANGE	LT								466		
86	17+10.00	19+50.00	RIFLE RANGE									335		
			TABLE 2 SUBTOTALS		**211**	**730**	**130**	**211**	**730**	**130**	**47**	**11,090**	**0**	
			TABLE 1 SUBTOTALS		**496**	**1,907**	**1,041**	**496**	**1,907**	**1,041**	**379**	**16,216**	**798**	
			TOTALS		**708**	**2,638**	**1,171**	**708**	**2,638**	**1,171**	**426**	**27,306**	**798**	

GUARDRAIL

PLAN SHEET	FROM STATION	TO STATION	BASELINE	LOCATION	MGS GUARDRAIL (LF)	MGS LONG SPAN GUARDRAIL SECTION (EA)	MGS END ANCHOR (EA)	TYPE A CRASHWORTHY END TERMINAL (MASH) (EA)	MGS BRIDGE APPROACH TRANSITION SECTION (REGULAR/NO CURB) (EA)	REMARKS
3	631+51.38	633+86.80	WB I - 44	LT	137			1	1	
3	630+51.91	633+49.39	WB I - 44	RT	246		1	1		
3	628+00.42	631+01.91	WB I - 44	RT	250		1	1		
3	627+51.32	629+87.99	WB I - 44	RT	148			1	1	
51	20+59.32	21+96.29	SB RIFLE RANGE	LT	133		1	1		
51	20+94.36	22+71.88	NB RIFLE RANGE	RT	106	1	1	1		
				TOTALS	**1,020**	**1**	**4**	**6**	**2**	

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DATE PREPARED 3/11/2019
ROUTE I-44 | STATE MO
DISTRICT SW | SHEET NO. 3
COUNTY WEBSTER
JOB NO. J8I0445
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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

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

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DATE PREPARED
3/11/2019

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
SW	3

COUNTY
WEBSTER

JOB NO.
J8I0445

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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

DATE | DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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DRAINAGE STRUCTURES

STRUCT. NO.	PLAN SHEET	CULVERT SECTION SHEET	STATION	ROADWAY	LOCATION	STD.	TYPE	ACTUAL DEPTH	PRECAST CONCRETE MANHOLE - 48 IN. (FT)	PRECAST CONCRETE MANHOLE - 72 IN. (FT)	PRECAST CONCRETE DROP INLET 2 FT X 2 FT (FT)	PRECAST CONCRETE DROP INLET 4 FT X 2 FT (FT)	PRECAST CONCRETE DROP INLET 3 FT X 2 FT (FT)	PRECAST CONCRETE DROP INLET 5 FT X 3 FT (FT)	SPECIAL INLET NO. 1 (FT)	CLASS 3 EXCAVATION (CUYD)	CLASS 3 EXCAVATION IN ROCK (CUYD)	PIPE OPENINGS (NUMBER - SIZE)	REMARKS
B52	5	199	622+20.01	EX_I44_WB	35.2' LT	731.10S	S-1 3 X 2	3.50					4			0		1-18"	
E51	5	199	622+11.86	EX_I44_WB	50.5' LT	731.00U	4' MH	18.47	18							9		2-18"	
C23	5	199	621+99.99 R 2	EX_I44_EB	37.3' RT	731.10S	S-1 5 X 3	6.09						6		4		1-12"	
C25	5	199	623+58.00	EX_I44_WB	102.1' RT	731.10S	S-1 5 X 3	4.25						4		4		1-15"	
C54	5	200	10+50.00	RAMP2	20.1' RT	731.10S	S-1 5 X 3	8.19						8		16		2-24"	
A6	5	200	12+70.00	RAMP2	6.0' RT	731.10S	A 4 X 2	8.96				8				15		2-24"	
A18	4	200	13+52.91	RAMP2	6.0' RT	731.10S	A 4 X 2	8.26				7				13		1-18", 1-24"	
A5	4	200	616+30.00	EX_I44_WB	28.0' LT	731.10S	A 4 X 2	7.24				6				11		2-18"	
A4	4	200	615+50.00	EX_I44_WB	28.0' LT	731.10S	A 4 X 2	6.57				6				10		1-15", 1-18"	
A3	4	200	614+70.00	EX_I44_WB	28.0' LT	731.10S	A 4 X 2	5.63				5				8		2-15"	
A1	4	200	613+90.00	EX_I44_WB	28.0' LT	731.10S	A 4 X 2	4.82				4				6		1-12", 1-15"	
A2	4	200	613+10.00	EX_I44_WB	28.0' LT	731.10S	A 4 X 2	3.59				3				4		2-12"	
A17	4	200	612+30.00	EX_I44_WB	27.7' LT	731.10S	A 4 X 2	3.00				2				3		1-12"	
C41	6	201	628+58.06	EX_I44_WB	38.1' LT	731.10S	S-1 5 X 3	9.73						10		17		1-24", 1-36"	
D44	6	202	56+38.77	ROUTE_CC	31.1' RT	731.10S	D 2 X 2	4.45			4					0		3-12"	
D46	6	202	56+38.07	ROUTE_CC	22.9' LT	731.10S	D 2 X 2	4.15			3					0		2-12"	
D47	6	202	56+54.86	ROUTE_CC	16.5' LT	731.10S	D 2 X 2	4.04			3					0		1-12"	
D45	6	202	56+55.74	ROUTE_CC	25.1' RT	731.10S	D 2 X 2	4.00			3					0		1-12"	
C36	6	203	1+85.00	RAMP4	37.0' RT	731.10S	S-1 5 X 3	4.00						4		10		1-18"	
D33	6	204	60+14.66	ROUTE_CC	28.2' LT	731.10S	D 2 X 2	4.34			3					0		3-12"	
D32	6	204	60+14.66	ROUTE_CC	18.7' RT	731.10S	D 2 X 2	4.10			3					0		2-12"	
D31	6	204	60+30.89	ROUTE_CC	26.5' RT	731.10S	D 2 X 2	4.00			3					0		1-12"	
D34	6	204	60+31.39	ROUTE_CC	34.8' LT	731.10S	D 2 X 2	4.00			3					0		1-12"	
D21	6	204	14+30.00	RAMP3	1.5' RT	731.10S	D 2 X 2	6.13			5					0		2-12"	
D20	6	204	14+70.00	RAMP3	1.5' RT	731.10S	D 2 X 2	4.00			3					0		1-12"	
S29	6	204	8+82.83	MARSHALL	13.5' LT	SPC	SPC	8.82							8	5		1-12", 2-30"	
C16	6	204	8+82.50	MARSHALL	39.0' RT	731.10S	S-1 5 X 3	4.89						5		10		2-30"	
C15	6	204	62+99.76	ROUTE_CC	47.5' RT	731.10S	S-1 5 X 3	3.46						3		11		1-30"	
D28	6	204	61+84.54	ROUTE_CC	115.2' RT	731.10S	D 2 X 2	4.00			3					0		1-12"	
E11	7	205	635+70.20	EX_I44_WB	52.3' LT	731.00U	4' MH	7.29	7							12		2-15"	
C12	7	205	635+70.09	EX_I44_WB	60.2' LT	731.10S	S-1 5 X 3	3.00						3		8		1-15"	
C80	12	205	91+53.84	ROUTE_CC	86.8' RT	731.10S	S-1 5 X 3	3.54						4		11		1-30"	
C81	12	205	91+60.23	ROUTE_CC	51.2' RT	731.10S	S-1 5 X 3	3.70						4		12		2-30"	
C83	13	206	101+74.51	ROUTE_CC	49.7' RT	731.10S	S-1 5 X 3	9.98						10		1		1-24"	
C82	13	206	104+22.41	ROUTE_CC	43.4' RT	731.10S	S-1 5 X 3	3.67						4		11		2-30"	
E84	13	206	109+74.20	ROUTE_CC	78.6' RT	731.00U	6' MH	14.53		15						21		2-36"	
C87	16	207	20+39.47	RIFLE RANGE	49.2' LT	731.10S	S-1 5 X 3	7.87						8		22		1-24"	
																4,739			TOTAL FROM PIPES
																	499		10% OF CLASS 3 EXC.
								TOTALS	**25**	**15**	**36**	**41**	**4**	**73**	**8**	**4,993**	**499**		

NOTE: EXCAVATION QUANTITIES ASSUME PRECAST CONCRETE STRUCTURES

PRELIMINARY

SUMMARY OF QUANTITIES
SHEET 15 OF 33

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DRAINAGE STRUCTURE LIDS

STRUCT. NO.	PLAN SHEET	CULVERT SECTION SHEET	STATION	ROADWAY	LOCATION	MANHOLE FRAME AND COVER, TYPE 4 (EA)	GRATE AND BEARING PLATE (3 FT. X 2 FT. OR 914 MM X 610 MM) (EA)	GRATE AND BEARING PLATE (5 FT. X 3 FT. OR 1524 MM X 914 MM) (EA)	CURVED VANE GRATE AND FRAME (2 FT. X 2 FT. OR 600MM X 600MM) (EA)	CURVED VANE GRATE AND FRAME (4 FT. X 2 FT. OR 1200MM X 600MM) (EA)	REMARKS
B52	5	199	622+20.01	EX_I44_WB	35.2' LT		1				
E51	5	199	622+11.86	EX_I44_WB	50.5' LT	1					
C23	5	199	621+99.99 R 2	EX_I44_EB	37.3' RT			1			
C25	5	199	623+58.00	EX_I44_WB	102.1' RT			1			
C54	5	200	10+50.00	RAMP2	20.1' RT			1			
A6	5	200	12+70.00	RAMP2	6.0' RT					1	
A18	4	200	13+52.91	RAMP2	6.0' RT					1	
A5	4	200	616+30.00	EX_I44_WB	28.0' LT					1	
A4	4	200	615+50.00	EX_I44_WB	28.0' LT					1	
A3	4	200	614+70.00	EX_I44_WB	28.0' LT					1	
A1	4	200	613+90.00	EX_I44_WB	28.0' LT					1	
A2	4	200	613+10.00	EX_I44_WB	28.0' LT					1	
A17	4	200	612+30.00	EX_I44_WB	27.7' LT					1	
C41	6	201	628+58.06	EX_I44_WB	38.1' LT			1			
D44	6	202	56+38.77	ROUTE_CC	31.1' RT				1		
D46	6	202	56+38.07	ROUTE_CC	22.9' LT				1		
D47	6	202	56+54.86	ROUTE_CC	16.5' LT				1		
D45	6	202	56+55.74	ROUTE_CC	25.1' RT				1		
C36	6	203	1+85.00	RAMP4	37.0' RT			1			
D33	6	204	60+14.66	ROUTE_CC	28.2' LT				1		
D32	6	204	60+14.66	ROUTE_CC	18.7' RT				1		
D31	6	204	60+30.89	ROUTE_CC	26.5' RT				1		
D34	6	204	60+31.39	ROUTE_CC	34.8' LT				1		
D21	6	204	14+30.00	RAMP3	1.5' RT				1		
D20	6	204	14+70.00	RAMP3	1.5' RT				1		
S29	6	204	8+82.83	MARSHALL	13.5' LT				1		
C16	6	204	8+82.50	MARSHALL	39.0' RT			1			
C15	6	204	62+99.76	ROUTE_CC	47.5' RT			1			
D28	6	204	61+84.54	ROUTE_CC	115.2' RT				1		
E11	7	205	635+70.20	EX_I44_WB	52.3' LT	1					
C12	7	205	635+70.09	EX_I44_WB	60.2' LT			1			
C80	12	205	91+53.84	ROUTE_CC	86.8' RT			1			
C81	12	205	91+60.23	ROUTE_CC	51.2' RT			1			
C83	13	206	101+74.51	ROUTE_CC	49.7' RT			1			
C82	13	206	104+22.41	ROUTE_CC	43.4' RT			1			
E84	13	206	109+74.20	ROUTE_CC	78.6' RT	1					
C87	16	207	20+39.47	RIFLE RANGE	49.2' LT			1			
					TOTALS	**3**	**1**	**13**	**12**	**8**	

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DATE PREPARED: 3/11/2019
ROUTE: I-44 | STATE: MO
DISTRICT: SW | SHEET NO.: 3
COUNTY: WEBSTER
JOB NO.: J8I0445
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

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

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

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DRAINAGE PIPES

PLAN SHEET	CULVERT SECTION SHEET	FROM STRUCT.	TO STRUCT.	PIPE COLLAR, TYPE A (EA)	PIPE COLLAR, TYPE C (EA)	15 IN. PIPE GROUP B (LF)	42 IN. PIPE GROUP B (LF)	12 IN. PIPE GROUP A (LF)	15 IN. PIPE GROUP A (LF)	18 IN. PIPE GROUP A (LF)	24 IN. PIPE GROUP A (LF)	30 IN. PIPE GROUP A (LF)	36 IN. PIPE GROUP A (LF)	48 IN. PIPE GROUP A (LF)	CLASS 3 EXCAVATION (CUYD)	REMARKS
5	199	C23	F24					134							3	
5	199	C25	F26			130									78	
5	199	B52	E51							15					7	
5	199	E51	COLLAR	1						11					0	
5	201	F50	F49											268	17	
6	201	F48	C41										213		115	
6	201	C41	F42								327				398	
6	202	F43	D44					35							0	
6	202	D44	D46					52							0	
6	202	D46	D47					16							0	
6	202	D44	D45					16							0	
5	200	F19	C54								95				111	
5	200	C54	A6								215				468	
4-5	200	A6	A18								81				121	
4	200	A18	A5							77					87	
4	200	A5	A4							77					82	
4	200	A4	A3						77						64	
4	200	A3	A1						77						52	
4	200	A1	A2					77							36	
4	200	A2	A17					77							24	
6	203	F37	C36							134					249	
6	203	F39	F38										236		712	
6	203	F35	D33					21							0	
6	203	D33	D32					45							0	
6	203	D32	D31					16							0	
6	203	D33	D34					16							0	
6	204	F27	D21					66							2	
6	204	D21	D20					38							0	
6	204	F30	S29									60			39	
6	204	S29	C16									49			41	
6	204	C16	C15									100			124	
6	204	S29	D28					15							0	
7	205	F14	COLLAR	1		21									1	
7	205	COLLAR	F13	1		16									5	
7	205	F9	COLLAR		1		71								45	
7	205	COLLAR	F10		1		81								78	
7	205	S12	E11			3									0	
6	206	F8	F7											237	318	
10	207	F51	F52			20									14	
10	207	F53	F54			24									15	
10	207	F55	F56								64				59	
11	207	F55-1	F56-1								64				59	
11	207	F57	F58								79				57	
12	207	C80	C81									33			32	
12	207	C81	F59									92			74	
13	208	C83	6'x8' Box								76				12	
13	208	C82	F60									99			144	
13	208	F61	E84										8		0	
13	208	E84	F62										195		315	
15	209	F63	F64								83				112	
15	209	F65	F66							74					92	
15	209	F67	F68								91				124	
16	209	C87	F69								121				183	
15	207	F91	F92							11					8	
15	208	F93	F94							31					5	
16	208	F95	F96							60					40	
16	209	F70	F71				102								117	
																SEE STRUCTURES FOR TOTAL
			TOTALS:	3	2	214	254	624	154	490	1,296	433	652	505	--	

PRELIMINARY

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DATE PREPARED 3/11/2019

ROUTE I-44 | STATE MO

DISTRICT SW | SHEET NO. 3

COUNTY WEBSTER

JOB NO. J8I0445

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION | DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

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SUMMARY OF QUANTITIES
SHEET 17 OF 33

FLARED END SECTIONS

PLAN SHEET	CULVERT SECTION SHEET	FROM STRUCT.	TO STRUCT.	15 IN. OR ALLOWED SUBSTITUTE GROUP B FLARED END SECTION (EA)	42 IN. OR ALLOWED SUBSTITUTE GROUP B FLARED END SECTION (EA)	12 IN. OR ALLOWED SUBSTITUTE GROUP A FLARED END SECTION (EA)	18 IN. OR ALLOWED SUBSTITUTE GROUP A FLARED END SECTION (EA)	24 IN. OR ALLOWED SUBSTITUTE GROUP A FLARED END SECTION (EA)	30 IN. OR ALLOWED SUBSTITUTE GROUP A FLARED END SECTION (EA)	36 IN. OR ALLOWED SUBSTITUTE GROUP A FLARED END SECTION (EA)	42 IN. OR ALLOWED SUBSTITUTE GROUP A FLARED END SECTION (EA)	48 IN. OR ALLOWED SUBSTITUTE GROUP A FLARED END SECTION (EA)	ROCK LINING (CUYD)	REMARKS
5	199	C23	F24			1							2	
5	199	C25	F26	1									2	
5	199	B52	E51											
5	199	E51	COLLAR											
5	200	F50	F49									2	98	
6	200	F48	C41							1			9	
6	201	C41	F42					1					3	
6	201	F43	D44			1							2	
6	201	D44	D46											
6	201	D46	D47											
6	201	D44	D45											
5	202	F19	C54					1					3	
5	202	C54	A6											
4-5	202	A6	A18											
4	202	A18	A5											
4	202	A5	A4											
4	202	A4	A3											
4	202	A3	A1											
4	202	A1	A2											
4	202	A2	A17											
6	203	F37	C36				1						2	
6	203	F39	F38							2			18	
6	203	F35	D33			1							2	
6	203	D33	D32											
6	203	D32	D31											
6	203	D33	D34											
6	204	F27	A21			1							2	
6	204	D21	D20											
6	204	F30	S29						1				4	
6	204	S29	C16											
6	204	C16	C15											
6	204	S29	D28											
7	205	F14	COLLAR	1									2	
7	205	COLLAR	F13	1									2	
7	205	F9	COLLAR		1								15	
7	205	COLLAR	F10		1								15	
6	206	F8	F7									2	36	
10	207	F51	F52	2									4	
10	207	F53	F54	2									4	
10	207	F55	F56					2					6	
11	207	F55-1	F56-1					2					6	
11	207	F57	F58					2					6	
12	207	C43	F59						1				4	
13	208	C47	F60						1				4	
13	208	F61	E52						1				4	
13	208	E52	F62						1				4	
15	209	F63	F64					2					6	
15	209	F65	F66				2						4	
15	209	F67	F68					2					6	
16	209	C48	F69					1					3	
16	209	F70	F71								2		15	
6	202	D44	F43			1							2	
15		F77	F78				2						2	
15		F79	F80				2						2	
16		F81	F82				2						2	
5	212	8'x7' CULVERT											255	
13	213	8'X6' BOX CULVERT											142	
			TOTALS:	**7**	**2**	**5**	**9**	**13**	**5**	**3**	**2**	**4**	**698**	

PRELIMINARY

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DATE PREPARED: 3/11/2019
ROUTE: I-44 | STATE: MO
DISTRICT: SW | SHEET NO.: 3
COUNTY: WEBSTER
JOB NO.: J8I0445
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SUMMARY OF QUANTITIES
SHEET 18 OF 33

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PRELIMINARY

POLES. ARMS AND LUMINAIRES

LIGHTING SHEET NO.	LUMIN. POLE NO.	STATION	OFFSET		LOCATION	BLACK POWER COATING	45 FT. POLES TYPE AT				BRACKET ARMS (ft)						LED LUMINAIRES			FOUNDATION	CABLE #10 AWG 1 COND. POLE & BRKT.	
							D1	2	3	4	5	4'	6'	8'	10'	12'	15'	LED A 103 W	LED B 170 W	LED C 275 W	45'	FEET	CIRCUIT
1	C201	611+90.00	42.00	LT	I - 44 W				1								1		1		1	120	CIRCUIT C2
2	A303	3+15.00	22.00	RT	RAMP 3			1									1		1		1	120	CIRCUIT A3
3	A302	55+30.00	20.00	RT	RAMP 3	1		1									1		1		1	120	CIRCUIT A3
3	A301	7+75.00	40.00	LT	MARSHALL	1		1									1		1		1	120	CIRCUIT A3
3	A202	8+50.00	46.00	RT	MARSHALL	1		1									1		1		1	120	CIRCUIT A2
3	A203	61+31.00	108.00	RT	ROUTE CC	1			1								1		1		1	120	CIRCUIT A2
3	A204	60+45.00	58.75	RT	ROUTE CC	1			1								1		1		1	120	CIRCUIT A2
3	A201	62+00.00	46.50	RT	ROUTE CC	1			1								1		1		1	120	CIRCUIT A2
3	A101	63+00.00	35.00	LT	ROUTE CC	1		1									1		1		1	120	CIRCUIT A1
3	A102	61+65.00	73.00	LT	ROUTE CC	1		1									1		1		1	120	CIRCUIT A1
3	A103	60+65.00	65.00	LT	ROUTE CC	1		1									1		1		1	120	CIRCUIT A1
3	A104	59+62.00	30.00	LT	ROUTE CC	1		1									1		1		1	120	CIRCUIT A1
3	C301	629+30.00	28.00	RT	NOR	1		1									1		1		1	120	CIRCUIT C3
3	C302	55+31.00	104.50	RT	ROUTE CC	1			1								1		1		1	120	CIRCUIT C3
3	C303	56+05.00	56.75	RT	ROUTE CC	1			1								1		1		1	120	CIRCUIT C3
3	C304	56+90.00	28.00	LT	ROUTE CC	1		1									1		1		1	120	CIRCUIT C3
3	C305	56+14.50	63.50	LT	ROUTE CC	1		1									1		1		1	120	CIRCUIT C3
3	C101	630+20.50	63.50	LT	NOR	1		1									1		1		1	120	CIRCUIT C1
3	C102	632+01.50	70.00	LT	NOR	1		1									1		1		1	120	CIRCUIT C1
3	C103	633+00.00	35.00	LT	NOR	1		1									1		1		1	120	CIRCUIT C1
3	C104	55+38.00	124.00	LT	ROUTE CC	1		1									1		1		1	120	CIRCUIT C1
4	C105	2+40.00	22.00	RT	RAMP 1			1									1		1		1	120	CIRCUIT C1
5	A105	646+10.00	108.00	RT	I - 44 W			1									1		1		1	120	CIRCUIT A1
7	D101	77+55.00	34.00	LT	ROUTE CC			1									1		1		1	120	CIRCUIT D1
8	E201	133+50.00	37.00	LT	ROUTE CC			1									1		1		1	120	CIRCUIT E2
8	E102	132+25.00	34.00	RT	ROUTE CC				1								1		1		1	120	CIRCUIT E1
					TOTAL EACH:	19		19	7	0	0	0	0	0	0	0	26		26		26	3,120	

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ROUTE I-44 | STATE MO

DISTRICT SW | SHEET NO. 3

COUNTY WEBSTER

JOB NO. J8I0445

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SUMMARY OF QUANTITIES
SHEET 19 OF 33

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RIGID CONDUIT

LIGHTING SHEET NO.	FROM STATION	TO STATION	OFFSET	LOCATION	CIR	C-C LENGTH	3"	4"	FROM	TO
3	63+10.00	63+10.00	RT	ROUTE CC	A1, A2, A3	8		11	CS A	A1
3	63+00.00	629+05.00	RT/LT	ROUTE CC	A1	60	58		A2	A3
3	61+22.00	60+90.00	LT	ROUTE CC	A1	37	35		A4	A5
3	9+00.00	9+00.00	RT/LT	MARSHALL	A2, A3	52	50		A9	A10
3	9+00.00	8+33.00	LT	MARSHALL	A3	49	47		A10	A13
3	9+00.00	61+31.00	LT/RT	MARSHALL / ROUTE CC	A2	67	66		A10	A203
3	61+31.00	15+45.00	RT	ROUTE CC / RAMP 3	A2	36	35		A203	A11
3	15+45.00	15+35.00	LT/RT	ROUTE CC	A2	45	43		A11	A12
3	628+68.00	628+75.00	LT	NORTH OUTER ROAD	C1, C2, C3	15		23	PS C	CS C
3	628+75.00	629+00.00	LT	NORTH OUTER ROAD	C1, C2, C3	86	89		CS C	C1
3	632+38.00	632+41.00	LT/RT	NORTH OUTER ROAD	C1	67	65		C2	C3
3	0+30.00	55+90.00	RT	RAMP 2 / ROUTE CC	C3	44	42		C7	C11
3	55+90.00	56+30.00	RT/LT	ROUTE CC	C3	120	118		C11	C12
6	63+20.00	63+25.00	RT	ROUTE CC	B1, B2	8		11	CS B	B1
6	63+20.00	63+20.00	RT	ROUTE CC	IRRIGATION	8		11	CS B	B2
6	8+90.00	15+13.00	RT/LT	ROUTE CC / RAMP 3	B1, B2	190	188		B3	B4
6	15+13.00	60+98.00	LT/RT	ROUTE CC / RAMP 3	B1	74	72		B4	B5
6	59+10.00	59+10.00	RT/LT	ROUTE CC	B2	56	54		B7	B8
6	59+10.00	58+88.00	RT	ROUTE CC	B1, IRRIGATION	23	21		B6	BRIDGE JB
6	57+45.00	57+56.00	RT	ROUTE CC	IRRIGATION	23	21		B7	BRIDGE JB
6	59+10.00	58+88.00	LT	ROUTE CC	B2	23	21		B8	BRIDGE JB
6	57+45.00	57+56.00	LT	ROUTE CC	B2	23	21		B9	BRIDGE JB
6	55+90.00	55+65.00	LT	ROUTE CC	B2	40	38		B10	B11
6	56+15.42	55+95.86	RT	ROUTE CC	IRRIGATION	36	34		B12	B13
6	54+86.00	54+33.00	RT	ROUTE CC	IRRIGATION	56	54		B14	B15
6	54+10.58	54+50.51	RT	ROUTE CC	IRRIGATION	46	44		B16	B17
6	54+07.23	54+47.91	RT	ROUTE CC	WATER	46		46		
6	62+25.22	61+60.98	RT	ROUTE CC	IRRIGATION	75	73		B19	B20
6	62+22.67	61+60.24	RT	ROUTE CC	WATER	75		75		
6	62+05.37	60+41.47	RT	ROUTE CC	IRRIGATION	221	219		B18	B21
ITS	63+20.00	63+01.08	RT	ROUTE CC	ITS	8		11	CS A	A16
ITS	61+93.69	60+64.48	RT	ROUTE CC	ITS	161	159		A17	A18
7	77+90.00	78+03.00	RT	ROUTE CC	D1, D2 (ALT B)	15		23	PS D	CS D
7	78+03.00	78+20.00	RT	ROUTE CC	D1, D2 (ALT B)	28	31		CS D	D1
8	131+82.00	131+82.00	LT	ROUTE CC	E1, E2	16		24	PS E	CS E
8	131+82.00	131+81.00	LT	ROUTE CC	E1, E2	16	19		CS E	E1
8	131+81.00	131+80.19	LT/RT	ROUTE CC	E1	83	81		E1	E2
8	131+81.00	132+91.86	LT	ROUTE CC	E2	101	99		E1	E3
				TOTALS (FEET):			1,897	235	----------	

LIGHTING POWER SUPPLY & CONTROL

LIGHTING SHEET NO.	STATION	OFFSET	LOCATION	CONTROL LETTER	BREAKER (AMPS) CIRCUIT MAIN	1	2	3	4	120V	COMBINATION PAD MOUNTED POWER SUPPLY / LIGHTING CONTROL STATION, 120/240V	POWER SUPPLY ASSEMBLY, TYPE 2, 240/120 VOLT SERVICE, LIGHTING ONLY	BASE MOUNTED CONTROL STATION 240 VOLT - 4 CIRCUIT
3	63+10.00	89' RT	ROUTE CC	A	100	15	15	15		15	1		
6	63+20.00	92' RT	ROUTE CC	B	100	15	15			15	1		
3	628+75.00	111' LT	NOR	C	100	15	15	15				1	1
7	77+90.00	78' RT	ROUTE CC	D	100	15	15*					1	1
8	131+82.00	58' LT	ROUTE CC	E	100	15	15					1	1
								TOTALS:			2	3	3

NOTE: BID PRICE FOR POWER SUPPLY SHALL INCLUDE CABLE (#2 AWG.), RIGID STEEL CONDUIT, AND TRENCHING BETWEEN ASSEMBLY AND UTILITY COMPANY FACILITIES.

* ADD ALTERNATE A

PULL BOXES

LIGHTING SHEET NO.	STATION	OFFSET		LOCATION	P.B. NO.	CONCRETE STANDARD	DRAIN TYPE I	DRAIN TYPE II	CIRCUIT
1	616+10.00	42.00	LT	WB I - 44	C10	1	1		C2
2	9+70.00	22.00	RT	RAMP 2	C9	1	1		C2
2	4+90.00	22.00	RT	RAMP 2	C8	1		1	C2
2	6+65.00	22.00	RT	RAMP 3	A15	1		1	A3
2	10+05.00	22.00	RT	RAMP 3	A19	1		1	A3
3	8+83.00	65.00	LT	MARSHALL	A13	1		1	A3
3	9+00.00	20.00	LT	MARSHALL	A10	1	1		A2, A3
3	15+45.00	11.00	RT	RAMP 3	A11	1	1		A2
3	15+35.00	32.00	LT	RAMP 3	A12	1	1		A2
3	9+00.00	30.00	RT	MARSHALL	A9	1	1		A2, A3
3	63+10.00	97.00	RT	ROUTE CC	A1	1	1		A1, A2, A3
3	63+07.00	20.00	RT	ROUTE CC	A2	1	1		A1
3	63+08.00	35.00	LT	ROUTE CC	A3	1	1		A1
3	61+22.00	90.00	LT	ROUTE CC	A4	1		1	A1
3	60+90.00	72.00	LT	ROUTE CC	A5	1		1	A1
3	629+00.00	30.00	LT	NORTH OUTER ROAD	C1	1		1	C1, C2, C3
3	632+38.00	37.00	LT	NORTH OUTER ROAD	C2	1		1	C1
3	632+41.00	29.50	RT	NORTH OUTER ROAD	C3	1		1	C1
3	0+30.00	26.00	RT	RAMP 2	C7	1	1		C3
3	629+00.00	23.00	RT	NORTH OUTER ROAD	C6	1		1	C2, C3
3	55+90.00	70.00	RT	ROUTE CC	C11	1	1		C3
3	56+30.00	40.50	LT	ROUTE CC	C12	1		1	C3
4	9+97.00	20.00	RT	RAMP 2	C4	1		1	C1
4	6+25.00	15.00	RT	RAMP 2	C5	1	1		C1
4	3+68.00	20.00	RT	RAMP 4	A6	1	1		A1
4	7+50.00	20.00	RT	RAMP 4	A7	1	1		A1
4	642+30.00	104.00	RT	I-44 W	A8	1	1		A1
6	63+25.00	101.00	RT	ROUTE CC	B1	1	1		B1, B2
6	63+20.00	99.00	RT	ROUTE CC	B2	1	1		IRRIGATION
6	8+90.00	31.00	RT	MARSHALL	B3	1	1		B1, B2
6	15+13.00	22.00	LT	RAMP 3	B4	1		1	B1, B2
6	30+98.00	48.00	RT	ROUTE CC	B5	1	1		B1
6	59+10.00	33.00	RT	ROUTE CC	B6	1		1	B1, B2, IRRIGATION
6	57+45.00	35.00	RT	ROUTE CC	B7	1		1	IRRIGATION
6	59+10.00	22.00	LT	ROUTE CC	B8	1		1	B2
6	57+45.00	24.00	LT	ROUTE CC	B9	1		1	B2
6	55+90.00	85.00	LT	ROUTE CC	B10	1		1	B2
6	55+65.00	55.00	LT	ROUTE CC	B11	1	1		B2
6	56+15.42	84.56	RT	ROUTE CC	B12	1		1	IRRIGATION
6	55+95.86	114.15	RT	ROUTE CC	B13	1		1	IRRIGATION
6	54+86.00	134.00	RT	ROUTE CC	B14	1		1	IRRIGATION
6	54+33.00	118.00	RT	ROUTE CC	B15	1		1	IRRIGATION
6	54+10.58	36.54	RT	ROUTE CC	B16	1		1	IRRIGATION
6	54+50.51	15.67	RT	ROUTE CC	B17	1	1		IRRIGATION
6	62+05.37	99.00	RT	ROUTE CC	B18	1	1		IRRIGATION
6	62+25.22	33.78	LT	ROUTE CC	B19	1		1	IRRIGATION
6	61+60.98	4.75	RT	ROUTE CC	B20	1	1		IRRIGATION
6	60+41.47	123.80	RT	ROUTE CC	B21	1		1	IRRIGATION
7	78+20.00	62.00	RT	ROUTE CC	D1	1	1		D1, D2
8	131+81.00	51.00	LT	ROUTE CC	E1	1	1		E1, E2
8	131+80.19	30.00	RT	ROUTE CC	E2	1		1	E1
8	132+91.86	71.17	LT	ROUTE CC	E3	1	1		E2
ITS	63+01.08	94.95	RT	ROUTE CC	A16	1	1		ITS
ITS	61+93.69	84.13	RT	ROUTE CC	A17	1	1		ITS
ITS	60+64.48	75.64	RT	ROUTE CC	A18	1	1		ITS
				TOTALS:		55			

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DATE PREPARED 3/11/2019
ROUTE I-44 | STATE MO
DISTRICT SW | SHEET NO. 3
COUNTY WEBSTER
JOB NO. J8I0445
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DATE | DESCRIPTION

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

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

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ENGINEERING CORPORATION - 000631

SUMMARY OF QUANTITIES
SHEET 20 OF 33

CABLE-CONDUIT & WIRES

LIGHTING SHEET NO.	CIRCUIT	FROM	TO	CENTER-CENTER LENGTH (FEET)	CABLE-CONDUIT, 1 IN., 2 CONDUCTORS AND 1 BARE NEUTRAL, 8 AWG	CABLE, 8 AWG 1 CONDUCTOR	WIRE, 8 AWG, BARE NEUTRAL	TRENCHING TYPE I	TRENCHING TYPE II	TRENCHING TYPE III
1	C2	C201	C10	415	447			414		
1, 2	C2	C10	C9	478	514			476		
2	C2	C9	C8	481	517			479		
2, 3	C2	C8	C6	567	607			565		
3	C2	C6	C1	53		136	68			
3	C2	C1	CS C	86		208	104			
3	C1	CS C	C1	86		208	104			
3	C1	C1	C101	129	146			128		
3	C1	C101	C102	156	174			156		
3	C1	C102	C2	50	64			49		
3	C1	C2	C3	67		164	82			
3	C1	C3	C104	45	58			44		
3	C1	C2	C103	64	78			63		
3, 4	C1	C104	C4	368	397			367		
4	C1	C4	C5	375	406			373		
4	C1	C5	C105	383	413			382		
3	C3	CS C	C1	86		208	104			
3	C3	C1	C6	53		136	68			
3	C3	C6	C301	29	41			28		
3	C3	C301	C302	82	96			82		
3	C3	C302	C7	28	40			27		
3	C3	C7	C11	44		116	58			
3	C3	C11	C303	22	34			21		
3	C3	C11	C12	120		276	138			
3	C3	C12	C305	27	39			26		
3	C3	C12	C304	55	69			54		
3	A1	CS A	A1	8		44	22			
3	A1	A1	A2	88	104			90		
3	A1	A2	A3	54		138	69			
3	A1	A3	A101	8	19			7		
3	A1	A101	A102	120	136			126		
3	A1	A102	A4	48	61			49		
3	A1	A4	A5	37		102	51			
3	A1	A5	A103	24	36			24		
3	A1	A103	A104	103	118			108		
3, 4	A1	A4	A6	329	357			343		
4	A1	A6	A7	380	411			397		
4	A1	A7	A8	381	412			398		
4, 5	A1	A8	A105	381	411			399		
3	A2	CS A	A1	8		44	22			
3	A2	A1	A201	146	164			152		
3	A2	A201	A9	49	62			50		
3	A2	A9	A202	62	76			64		
3	A2	A9	A10	52		134	67			
3	A2	A10	A203	66		160	80			
3	A2	A203	A11	36		98	49			
3	A2	A11	A12	44		116	58			
3	A2	A12	A204	32	45			33		
3	A3	CS A	A1	8		44	22			
3	A3	A1	A9	116	134			120		
3	A3	A9	A10	52		134	67			
3	A3	A10	A13	49		126	63			
3	A3	A13	A301	113	130			118		
3	A3	A13	A302	243	266			254		
3, 2	A3	A302	A19	331	359			347		
2	A3	A19	A15	341	370			356		
2	A3	A15	A303	350	379			367		
6	B1	CS B	B1	8		44	22			
6	B1	B1	B3	130	149			135		
6	B1	B3	B4	190		424	212			
6	B1	B4	B5	74		180	90			
6	B1	B4	B6	179	200			186		
6	B1	B6	BRIDGE JB	20		66	33			
6	B1	BRIDGE JB	B101	10		44	22			
6	B1	B101	B102	40		104	52			
6	B1	B102	B103	40		104	52			
6	B1	B103	B104	40		104	52			
TABLE 1 SUBTOTALS					**8,539**	**3,662**	**1,831**	**7,857**	**0**	**0**

✱ QUANTITIES CONTINUE ON NEXT TABLE

PRELIMINARY

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DATE PREPARED: 3/11/2019
ROUTE: I-44 | STATE: MO
DISTRICT: SW | SHEET NO.: 3
COUNTY: WEBSTER
JOB NO.: J8I0445
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

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

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SUMMARY OF QUANTITIES
SHEET 21 OF 33

DISCLAIMER
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PRELIMINARY

CABLE-CONDUIT & WIRES (CONT'D.)								TRENCHING		
								TYPE		
LIGHTING SHEET NO.	CIRCUIT	FROM	TO	CENTER-CENTER LENGTH (FEET)	CABLE-CONDUIT, 1 IN., 2 CONDUCTORS AND 1 BARE NEUTRAL, 8 AWG	CABLE, 8 AWG 1 CONDUCTOR	WIRE, 8 AWG, BARE NEUTRAL	I	II	III
6	B2	CS B	B1	8		44	22			
6	B2	B1	B3	130	149			135		
6	B2	B3	B4	190		424	212			
6	B2	B4	B6	179	200			186		
6	B2	B6	B8	56		142	71			
6	B2	B8	BRIDGE JB	20		66	33			
6	B2	BRIDGE JB	B201	10		44	22			
6	B2	B201	B202	40		104	52			
6	B2	B202	B203	40		104	52			
6	B2	B204	BRIDGE JB	10		44	22			
6	B2	BRIDGE JB	B9	20		66	33			
6	B2	B9	B10	182	203			189		
6	B2	B10	B11	40		108	54			
6	IRRIGATION	CS B	B2	8		44	22			
6	IRRIGATION	B2	B19	137	156			142		
6	IRRIGATION	B19	B20	75		182	91			
6	IRRIGATION	B2	B18	120	138			124		
6	IRRIGATION	B18	B21	221		488	244			
6	IRRIGATION	B21	B6	180	201			187		
6	IRRIGATION	B6	BRIDGE JB	20		66	33			
6	IRRIGATION	BRIDGE JB	BRIDGE JB	414		894	447			
6	IRRIGATION	BRIDGE JB	B7	20		66	33			
6	IRRIGATION	B7	B12	141	160			146		
6	IRRIGATION	B12	B13	36		100	50			
6	IRRIGATION	B13	B14	116	134			120		
6	IRRIGATION	B14	B15	56		142	71			
6	IRRIGATION	B15	B16	88	104			90		
6	IRRIGATION	B16	B17	46		120	60			
ITS	ITS	CS A	A16	8		44	22			
ITS	ITS	A16	A17	109	126			112		
ITS	ITS	A17	A18	161		362	181			
ITS	ITS	A18	CCTV	169	188			176		
7	D1	PS D	CS D	14		62	31			
7	D1	CS D	D1	28		86	43			
7	D1	D1	D101	71	86			74		
8	E1	CS E	E1	16		62	31			
8	E1	E1	E2	83		198	99			
8	E1	E2	E101	48	61			49		
8	E2	CS E	E1	16		62	31			
8	E2	E1	E3	101		236	118			
8	E2	E3	E201	67	81					
			TABLE 2 SUBTOTALS		1,987	4,360	2,180	1,730	0	0
			TABLE 1 SUBTOTALS		8,539	3,662	1,831	7,857	0	0
			SUBTOTALS		10,526	8,022	4,011	9,587	0	0
			TOTALS		10,530	8,020	4,010	9,587	0	0

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DATE PREPARED 3/11/2019

ROUTE I-44 | STATE MO

DISTRICT SW | SHEET NO. 3

COUNTY WEBSTER

JOB NO. J8I0445

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION | DATE

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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

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ENGINEERING CORPORATION - 000631

SUMMARY OF QUANTITIES
SHEET 22 OF 33

INTELLIGENT TRANSPORTATION SYSTEMS								
PULLBOX	STATION	ROADWAY	OFFSET	PULL BOX, PREFORMED CLASS 5 (EA)	POLE MOUNT TYPE 7 CABINET (EA)	CONDUIT, 3 IN., RIGID, PUSHED (LF)	FIBER OPTIC CABLE, 24 STRAND, SINGLE MODE (LF)	REMARKS
	59+30.00	ROUTE CC	33' RT		1	121	597	CAMERA
I3	626+81.11	I-44 WB	160' RT	1			60	ADDITIONAL LENGTH FOR SLACK AND COIL
I2	626+80.85	I-44 WB	39' RT	1			60	
I1	626+65.69	I-44 WB	33' RT	1			150	FOR SPLICE IN LIGHTCORE PULLBOX, SLACK AND COIL
			TOTALS	3	1	121	867	

FIBER OPTIC SPLICE
IN TYPE 7 CABINET, STA. 59+30.00, 33.00' RT, ROUTE CC, 4 EACH

FIBER OPTIC PIGTAIL, SM, FURNISH AND INSTALL
IN TYPE 7 CABINET, STA. 59+30.00, 33.00' RT, ROUTE CC, 4 EACH

FIBER OPTIC JUMPER, SM, FURNISH AND INSTALL
IN TYPE 7 CABINET, STA. 59+30.00, 33.00' RT, ROUTE CC, 4 EACH

RACK-MOUNTED INTERCONNECT CENTER, FURNISH AND INSTALL
IN TYPE 7 CABINET, STA. 59+30.00, 33.00' RT, ROUTE CC, 1 EACH

CISCO IE 3000-8TC SWITCH, FURNISH AND INSTALL
IN TYPE 7 CABINET, STA. 59+30.00, 33.00' RT, ROUTE CC, 1 EACH

GLC-LH-SMD, FURNISH AND INSTALL
IN TYPE 7 CABINET, STA. 59+30.00, 33.00' RT, ROUTE CC, 2 EACH

PWR-IE50W-AC-IEC, FURNISH AND INSTALL
IN TYPE 7 CABINET, STA. 59+30.00, 33.00' RT, ROUTE CC, 1 EACH

CCTV CAMERA ASSEMBLY, INSTALLED
STA. 59+30.00, 33.00' RT, ROUTE CC, 1 EACH

CCTV POLE FOUNDATION, 50 FT OR 15.2M MOUNTING HEIGHT, INSTALLED
STA. 59+30.00, 33.00' RT, ROUTE CC, 1 EACH

CCTV POLE, 50 FT OR 15.2M MOUNTING HEIGHT, INSTALLED
STA. 59+30.00, 33.00' RT, ROUTE CC, 1 EACH

PRELIMINARY

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DATE PREPARED 3/11/2019

ROUTE I-44 | STATE MO

DISTRICT SW | SHEET NO. 3

COUNTY WEBSTER

JOB NO. J8I0445

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SUMMARY OF QUANTITIES
SHEET 23 OF 33

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EROSION CONTROL - PRE-CONSTRUCTION

SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	SEDIMENT REMOVAL (CUYD)	SILT FENCE (LF)	CURB INLET CHECK (EACH)	ROCK DITCH CHECK (EACH)	ROCK DITCH CHECK (LF)	ALTERNATE DITCH CHECK (EACH)	ALTERNATE DITCH CHECK (LF)	REMARKS
74	609+50	617+50	I-44	LT	2					9	108	Ditch Checks 1-9
74	609+50	617+50	I-44	RT	1					2	24	Ditch Checks 10-11
75	617+50	626+50	I-44	LT	5					39	468	
75	617+50	626+50	I-44	LT	34			34	464			
75	617+50	626+50	I-44	RT	22			22	264			
75	617+50	626+50	I-44	RT	2					10	120	
76	626+50	634+50	I-44	LT	4					31	372	
75 TO 76	625+34	632+82	I-44	LT	8	783						
76	626+50	634+50	I-44	LT	14			14	168			
76	626+50	634+50	I-44	LT	2			2	100			
76	626+50	634+50	I-44	RT	3					18	216	
76	626+50	634+50	I-44	RT	46			46	552			
77	634+50	643+50	I-44	LT	3					22	264	
77	634+50	643+50	I-44	LT	1			1	50			
77	634+50	643+50	I-44	LT	8			8	96			
77	637+10	642+40	I-44	LT	6	548						
77	634+50	643+50	I-44	RT	2					13	156	
77	634+50	643+50	I-44	RT	6			6	72			
78	643+50	652+00	I-44	LT	3					20	240	
78	643+50	652+00	I-44	RT	1					7	84	
79	2+30	6+50	MARSHALL	RT	2					13	156	
79	2+30	6+50	MARSHALL	LT	1					2	24	
80	64+00	76+50	ROUTE CC	LT	3			3	36			
80	70+16	75+69	ROUTE CC	LT	6	553						
80	64+00	76+50	ROUTE CC	RT	6					42	504	
81	10+00	15+00	MARSHALL N	LT	1					4	48	
81	76+50	89+00	ROUTE CC	LT	1					1	12	
81	83+62	88+10	ROUTE CC	LT	5	448						
81	76+50	89+00	ROUTE CC	RT	1					1	12	
82	89+00	101+50	ROUTE CC	LT	1			1	12			
82	93+10	96+26	ROUTE CC	LT	4	319						
82	89+00	101+50	ROUTE CC	RT	3			3	36			
83	101+50	114+00	ROUTE CC	LT	6			6	72			
83	105+28	107+51	ROUTE CC	LT	3	224						
83	101+50	114+00	ROUTE CC	RT	7			7	84			
84	117+33	123+65	ROUTE CC	LT	7	615						
85	125+50	140+00	ROUTE CC	LT	4					26	312	
85	125+50	140+00	ROUTE CC	RT	4					27	324	
85	137+53	138+92	ROUTE CC	RT	2	146						
85	136+13	136+92	ROUTE CC	RT	1	95						
86	15+00	21+00	RIFLE RANGE	LT	3					20	240	
86	15+00	21+00	RIFLE RANGE	RT	1					4	48	
TOTAL					**245**	**3,731**	**0**	**--**	**2,006**	**--**	**3,732**	

PRELIMINARY

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SUMMARY OF QUANTITIES
SHEET 24 OF 33

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EROSION CONTROL - DURING CONSTRUCTION

SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	SEDIMENT REMOVAL (CUYD)	SILT FENCE (LF)	CURB INLET CHECK (EACH)	ROCK DITCH CHECK (EACH)	ROCK DITCH CHECK (LF)	ALTERNATE DITCH CHECK (EACH)	ALTERNATE DITCH CHECK (LF)	REMARKS
74	609+50	617+09	I-44	LT	7		7					INLET CHECK 1-7
74	610+61	616+87	I-44	RT	5			5	76			DITCH CHECK 8-12
75	623+18	626+27	I-44	LT	4			4	88			DITCH CHECK 25-27 & 30
75	622+20		I-44	LT	1			1	50			INLET CHECK 21
75	622+00		I-44	RT	1			1	50			INLET CHECK 32
75	623+58		I-44	RT	1			1	50			INLET CHECK 33
75 TO 76	624+74	626+14	I-44	LT	3	228						
75 TO 76	623+25	627+02	I-44	RT	3	260						
75	617+39		NOR	RT	1		1					CURB INLET CHECK 13
75	617+64	622+39	NOR	LT	8			8	143			DITCH CHECK 14-18 & 22-24
75	621+58	624+52	NOR	RT	3			3	49			DITHC CHECK 20 & 28-29
75	619+62		NOR	RT	1		1		50			INLET CHECK 16
75 TO 76	620+05	627+86	NOR	LT	11	1011						
75	6+35		RAMP 3	RT	1			1	17			DITCH CHECK 31
75 TO 76	3+68	11+87	RAMP 3	RT	15	1433						
76	627+01	633+73	I-44	LT	8			8	180			DITCH CHECK 34, 36, 39, & 65-69
76	627+51		I-44	RT	0					1	9	ALTERNATE MEDIAN CHECK 35
76	628+58		I-44	LT	1			1	50			INLET CHECK 37
76	629+47		I-44	RT	1			1	50			INLET CHECK 40
76	632+00		I-44	RT	1			1	50			INLET CHECK 64
76	631+55	633+21	I-44	LT	3	244						
76	632+18	634+15	I-44	RT	3	202						
76	629+51	632+56	NOR	LT	2		2					CURB INLET CHECK 43 & 74
76	629+12	633+02	NOR	RT	2		2					CURB INLET CHECK 42 & 75
76	634+05		NOR	RT	1			1	50			INLET CHECK 70
75 TO 77	626+00	635+17	NOR	LT	21	2021						
76 TO 77	626+69	628+86	NOR	RT	4	355						
76	10+70		RAMP 1	LT	1		1					CURB INLET CHECK 76
76 TO 77	10+58	12+78	RAMP 1	LT	3	210						
76	0+85		RAMP 2	LT	1		1					CURB INLET CHECK 41
75 TO 76	1+21	3+35	RAMP 2	LT	4	351						
76	12+37	14+25	RAMP 3	LT	3	221						
76	11+98	13+08	RAMP 3	RT	2	108						
76	0+93		RAMP 4	RT	1		1					CURB INLET CHECK 63
76	0+34	1+45	RAMP 4	RT	3			3	52			DITCH CHECK 59-61
76	1+84		RAMP 4	RT	1			1	50			INLET CHECK 62
76	6+56	8+30	MARSHALL RD	RT	4			4	76			DITCH CHECK 52-54 & 127
76	8+82		MARSHALL RD	RT	1			1	50			INLET CHECK 55
76	56+38	62+79	RTE CC	LT	5		5					CURB INLET CHECK 46-46, 50-51, & 58
76	56+38	62+84	RTE CC	RT	5		5					CURB INLET CHECK 44-45, 48-49, & 57
76	62+53	63+90	RTE CC	LT	3			3	57			DITCH CHECK 71-73
76	63+00		RTE CC	RT	1			1	50			INLET CHECK 56
77	636+92	640+40	I-44	LT	8			8	186			DITCH CHECK 77-84
77	643+24		I-44	RT	1			1	22			DITCH CHECK 102
77	642+49		I-44	RT	1			1	50			INLET CHECK 101
77	2+29	7+18	RAMP 1	RT	9			9	190			DITCH CHECK 85-93
77	8+72	12+70	RAMP 1	RT	5	443						
77	6+00	8+25	RAMP 4	RT	4			4	68			DITCH CHECK 97-100
77	5+18		RAMP 4	RT	1			1	50			INLET CHECK 96
78	643+65	650+73	I-44	LT	12			12	207			DITCH CHECK 103-114
78	643+99	648+49	I-44	RT	7			7	158			DITCH CHECK 115-121
79	2+34	5+97	MARSHALL RD	RT	5			5	87			DITCH CHECK 122-126
79	2+35	6+57	MARSHALL RD	LT	3			3	50			DITCH CHECK 128-130
79	15+24	17+24	MARSHALL RD	LT	2	191						
80	64+26	75+70	RTE CC	LT	26			26	491			DITCH CHECK 131-156
80	71+95	75+70	RTE CC	RT	5			5	125			DITHC CHECK 157, 159-161, & 163
80	72+87		RTE CC	RT	1		1					INLET CHECK 158
80	75+59		RTE CC	RT	1		1					INLET CHECK 162
80	76+37		RTE CC	RT	1		1					INLET CHECK 164
81	78+50	88+75	RTE CC	LT	19			19	356			DITCH CHECK 168-186
81	85+75	88+75	RTE CC	RT	5			5	110			DITCH CHECK 187-191
81	11+48	13+88	MARSHALL N	LT	3			3	27			DITCH CHECK 165-167
82	89+50	97+75	RTE CC	LT	12			12	222			DITCH CHECK 192-203
82	89+50	101+50	RTE CC	RT	16			16	400			DITCH CHECK 204-206 & 209-221
			TABLE 2 SUBTOTAL		**297**	**7,281**	**26**	**--**	**4,087**	**--**	**9**	

PRELIMINARY

SUMMARY OF QUANTITIES
SHEET 25 OF 33

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

DATE PREPARED 3/11/2019
ROUTE I-44 | STATE MO
DISTRICT SW | SHEET NO. 3
COUNTY WEBSTER
JOB NO. J8I0445
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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

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

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SEDIMENT TRAPS

SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	SEDIMENT TRAP EXCAVATION (CUYD)	SEDIMENT TRAP ROCK (CUYD)	SEDIMENT REMOVAL (CUYD)	REMARKS
74	609+67		I-44	LT	0.9	1.0	2	
74	610+40		I-44	RT	0.9	1.0	2	
75	623+02		NOR	LT	32.0	2.1	2	
76	629+51		NOR	LT	5.5	1.4	2	
76	633+62		NOR	LT	32.0	2.1	2	
76 TO 77	10+32	11+11	RAMP 1	RT	500.0	14.3	10	
78	649+19		I-44	RT	5.5	1.4	2	
78	651+21		I-44	LT	0.9	1.0	2	
82	92+14		RTE CC	LT	21.2	1.9	2	
83	102+98		RTE CC	LT	32.0	2.1	2	
83	109+53		RTE CC	LT	14.2	1.7	2	
85	135+91		RTE CC	RT	14.2	1.7	2	
85	137+11		RTE CC	RT	14.2	1.7	2	
86	16+74		RIFLE RANGE	LT	14.2	1.7	2	
				TOTALS	**687.7**	**35.1**	**36***	

* SEE EROSION CONTROL TABLES FOR TOTAL

EROSION CONTROL CONT.

SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	SEDIMENT REMOVAL (CUYD)	SILT FENCE (LF)	CURB INLET CHECK (EACH)	ROCK DITCH CHECK (EACH)	ROCK DITCH CHECK (LF)			REMARKS
82	91+45		RTE CC	RT	1		1					INLET CHECK 207
82	91+60		RTE CC	RT	1		1					INLET CHECK 208
83	101+50	108+41	RTE CC	LT	16			16	288			DITCH CHECK 222-237
83	102+25	108+75	RTE CC	RT	11			11	242			DITCH CHECK 251-261
83	101+54		RTE CC	RT	1			1	50			INLET CHECK 238
83	104+12		RTE CC	RT	1			1	50			INELT CHECK 245
83	109+67		RTE CC	RT	1		1					INLET CHECK 262
83	108+38	112+17	RTE CC	LT	9	824						
83	108+67	112+30	RTE CC	RT	5	407						
84	114+95	125+08	RTE CC	LT	22			22	418			DITHC CHECK 262-284
84	114+95	125+08	RTE CC	RT	22			22	418			DITCH CHECK 285-306
85	125+63	139+16	RTE CC	LT	18			18	331			DITCH CHECK 307-314, 356-361, & 365+368
85	125+63	138+94	RTE CC	RT	27			27	482			DITCH CHECK 316-324 & 369-386
85	131+70		RTE CC	LT	1			1	50			INLET CHECK 315
85	135+85		RTE CC	LT	1			1	50			INLET CHECK 362
85	137+15		RTE CC	LT	1			1	50			INLET CHECK 364
85	24+35	26+87	RIFLE RANGE	LT	15			15	285			DITCH CHECK 325-339
85	23+24	26+86	RIFLE RANGE	RT	17			17	323			DITCH CHECK 340-355
86	17+55	18+55	RIFLE RANGE	LT	3			3	55			DITCH CHECK 389-391
86	18+06	19+90	RIFLE RANGE	RT	7			7	123			DITCH CHECK 392-398
86	19+12		RIFLE RANGE	LT	1			1	50			INLET CHECK 388
86	20+40		RIFLE RANGE	LT	1			1	50			INLET CHECK 387
					36							SEDIMENT TRAP SEDIMENT REMOVAL
			TABLE 2 SUBTOTAL		**218**	**1,231**	**3**	**--**	**3,315**	**--**	**0**	
			TABLE 1 SUBTOTAL		**297**	**7,281**	**26**	**--**	**4,087**	**--**	**9**	
			PRE-CONSTRUCTION TOTAL		**245**	**3,731**	**0**	**--**	**2,006**	**--**	**3,732**	
			TOTAL		**760**	**12,243**	**29**	**--**	**9,408**	**--**	**3,741**	

PRELIMINARY

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DATE PREPARED 3/11/2019
ROUTE I-44 | STATE MO
DISTRICT SW | SHEET NO. 3
COUNTY WEBSTER
JOB NO. J8I0445
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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

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SUMMARY OF QUANTITIES
SHEET 26 OF 33

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PRELIMINARY

SEEDING

SHEET	FROM STATION	TO STATION	BASELINE	LOCATION	SEEDING - COOL SEASON MIXTURES (ACRE)	SEEDING - WARM SEASON MIXTURES (ACRE)	TEMPORARY SEEDING AND MULCHING (ACRE)	REMARKS
108	610+45.90	617+50.00	WB I-44	RT	0.3	0.3	0.2	
108	609+75.07	617+50.00	WB I-44	LT	0.7	0.0	0.2	
109	617+50.00	626+50.00	WB I-44	LT	2.1	0.9	0.8	
109	617+50.00	626+50.00	WB I-44	RT	1.3	0.9	0.6	
110	626+50.00	634+50.00	WB I-44	LT	4.6	1.5	1.5	
110	626+50.00	634+50.00	WB I-44	RT	2.8	0.4	0.8	
110	6+50.00	9+47.77	MARSHALL	RT	0.2	0.1	0.1	
111	634+50.00	643+50.00	WB I-44	LT	2.2	0.1	0.6	
111	634+50.00	643+50.00	WB I-44	RT	0.7	0.3	0.3	
112	643+50.00	651+15.00	WB I-44	LT	0.6	0.0	0.1	
112	643+50.00	649+10.00	WB I-44	RT	0.2	0.1	0.1	
113	2+34.21	6+50.00	MARSHALL	LT	0.1	0.0	0.0	
113	2+34.21	6+505.00	MARSHALL	RT	0.2	0.0	0.0	
114	64+00.00	76+50.00	ROUTE CC	LT	0.4	0.1	0.1	
114	64+00.00	76+50.00	ROUTE CC	RT	0.7	0.5	0.3	
115	10+19.38	14+54.08	MARSHALL N	LT	0.2	0.0	0.0	
115	76+50.00	89+00.00	ROUTE CC	LT	0.2	0.1	0.1	
115	76+50.00	89+00.00	ROTUE CC	RT	0.7	0.7	0.3	
116	89+00.00	101+50.00	ROUTE CC	LT	0.8	0.1	0.2	
116	89+00.00	101+50.00	ROUTE CC	RT	0.7	0.8	0.4	
117	101+55.00	114+00.00	ROUTE CC	LT	0.7	0.7	0.4	
117	101+55.00	114+00.00	ROUTE CC	RT	0.6	0.6	0.3	
117	10+57.51	14+00.00	ELM	LT	0.2	0.5	0.2	
117	10+55.15	14+00.00	ELM	RT	0.2	0.0	0.0	
118	114+00.00	125+50.00	ROUTE CC	LT	0.4	0.1	0.1	
118	114+00.00	125+50.00	ROUTE CC	RT	0.5	0.2	0.2	
119	125+50.00	139+75.99	ROUTE CC	LT	0.8	1.2	0.5	
119	125+50.00	139+75.94	ROUTE CC	RT	1.5	0.3	0.5	
120	16+03.55	21+00.00	RIFLE RANGE	LT	0.2	0.3	0.1	
120	17+10.00	21+00.00	RIFLE RANGE	RT	0.2	0.2	0.1	
121	14+00.00	26+50.00	ELM	LT	0.8	1.2	0.5	
121	14+00.00	26+50.00	ELM	RT	0.8	0.2	0.3	
122	26+50.00	36+03.15	ELM	LT	0.6	0.9	0.4	
122	26+50.00	35+40.65	ELM	RT	0.4	0.1	0.1	
				TOTALS:	28	13	10	

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DATE PREPARED: 3/11/2019

ROUTE	STATE
I-44	MO

DISTRICT	SHEET NO.
SW	3

COUNTY: WEBSTER

JOB NO.: J8I0445

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.:

DESCRIPTION | DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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SUMMARY OF QUANTITIES
SHEET 27 OF 33

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LANDSCAPING - ADD ALTERNATE A				
DESCRIPTION	WEST ROUNDABOUT	EAST ROUNDABOUT	TOTAL	UNIT
IMPORTED, TESTED TOPSOIL	637	354	991	(CUYD)
PLANTING BACKFILL MIX	24	14	38	(CUYD)
WOOD MULCH, 3 INCH	125	48	173	(CUYD)
WEED BARRIER FABRIC	4,200	2,740	6,940	(SQFT)
ROCK MULCH, 4 INCH	52	34	86	(CUYD)
GRASS SOD	8,685	9,590	18,275	(SQFT)
JUNIPERUS CHINENSIS 'PHITZERIANA GOLD LACE', 5 GAL	74	43	117	(EA)
JUNIPERUS HORIZONTALIS 'PLUMOSA COMPACTA', 3 GAL	84	28	112	(EA)
ECHINACEA PURPUREA, 1 GAL	131	62	193	(EA)
SPOROBOLUS HETEROLEPIS, 1 GAL	244	140	384	(EA)
CORNUS ALBA 'SIBIRICA' 5 GAL.	109	82	191	(EA)
FLAG POLE	3	3	6	(EA)
FLAGPOLE LIGHTS	3	3	6	(EA)

IRRIGATION - ADD ALTERNATE A				
DESCRIPTION	WEST ROUNDABOUT	EAST ROUNDABOUT	TOTAL	UNIT
1 INCH SCHEDULE 40 PVC MAINLINE	74	50	124	(LF)
2 INCH SCHEDULE 40 PVC CONDUIT	0	140	140	(LF)
3/4 INCH POLYLETHLYENE LATERAL LINE	130	95	225	(LF)
SUBSURFACE DRIP LINE	2,710	1,310	4,020	(LF)
LOW FLOW DRIP CONTROL VALVE W/ BOX	2	1	3	(EA)
AIR RELIEF VALVE KIT	2	1	3	(EA)
MULTI STRAND, 12 GA CONTROL WIRE	20	160	180	(LF)
3/4" QUICK COUPLER VALVE W/ BOX	1	1	2	(EA)
1 INCH BACKFLOW PREVENTER W/ BOX	1	1	2	(EA)
1 INCH WATER METER W/ BOX	1	1	2	(EA)
CONTROLLER	1	1	2	(EA)
CONTROLLER ENCLOSURE	1	1	2	(EA)

MOBILIZATION - ADD ALTERNATE A
1 LUMP SUM

PRELIMINARY

DATE PREPARED: 3/11/2019
ROUTE: I-44 | STATE: MO
DISTRICT: SW | SHEET NO.: 3
COUNTY: WEBSTER
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SUMMARY OF QUANTITIES
SHEET 28 OF 33

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EARTHWORK - ADD ALTERNATE B

ROADWAY	CUT	EARTH CUT	ROCK CUT	FILL	EXCAVATION TO BE USED IN EMBANKMENT (CUYD)	UNCLASSIFIED EXCAVATION (CUYD)	EMBANKMENT IN PLACE (CUYD)	COMPACTING EMBANKMENT (CUYD)	EXCESS EMBANKMENT (CUYD)	REMARKS
ELM	23,457	21,111	2,346	10,431						10% OF TOTAL CUT ASSUMED TO BE ROCK CUT
TOTALS	**23,457**	**21,111**	**2,346**	**10,431**	**18,766**	**23,457**	**0**	**10,431**	**8,335**	
					TOTALS	**23,457**	**0**	**10,431**		

MOBILIZATION - ADD ALTERNATE B

1 LUMP SUM

COMPACTING IN CUT - ADD ALTERNATE B

ROADWAY	LOCATION	FROM STATION	TO STATION	COMPACTING IN CUT (STA)	REMARKS
ELM	CL	10+75	14+55	3.8	
ELM	CL	31+82	36+00	4.2	
			TOTAL	**8.0**	

CLEARING AND GRUBBING - ADD ALTERNATE B

SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	CLEARING AND GRUBBING (ACRE)	REMARKS
13	11+76.40	14+00.00	ELM		0.8	QUANTITY INCLUDES CLEARING OF TREES TO THE EXISTING RIGHT-OF-WAY AND ALL UTILITY EASEMENTS AS DIRECTED BY THE ENGINEER.
17	14+00.00	26+50.00	ELM		4.5	
18	26+50.00	34+96.72	ELM		2.7	
				TOTAL	**8**	

SIDEWALK - ADD ALTERNATE B

PLAN SHEET	FROM STATION	TO STATION	BASELINE	LOCATION	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK) (SQYD)	CONCRETE SIDEWALK, 4 IN. (SQYD)	CONCRETE CURB RAMP (SQYD)	TRUNCATED DOMES (SQFT)	REMARKS
13	10+64.89	10+74.98	ELM	LT	16		16		
13	10+64.89	10+74.89	ELM	LT				20	
13	10+64.98	14+00.00	ELM	LT	447	446.9			
17	14+00.00	26+50.00	ELM	LT	1,389	1,389.3			
18	26+50.00	35+97.15	ELM	LT	1,053	1,052.9			
18	35+97.15	36+03.15	ELM	LT	7		7		
18	36+01.15	36+03.15	ELM	LT				20	
					2,912				SUBTOTAL, SEE ADD ALT PVMT FOR TOTAL
				TOTALS	**--**	**2,889.1**	**22.6**	**40**	

RIGHT OF WAY MARKERS (BY OTHERS) - ADD ALTERNATE B

SHEET	ROADWAY	LOCATION	24 IN. SURVEY PIN (EA)	2 IN. ALUMINUM CAP WITH MODOT R/W IMPRINT (EA)	6 FT. WHITE CARSONITE POST WITH MODOT R/W STICKER (EA)
17	ELM	RT	4	4	4
17	ELM	LT	7	7	4
18	ELM	RT	8	8	8
18	ELM	LT	4	4	4
TOTALS			**23**	**23**	**20**

PRELIMINARY

DESCRIPTION | DATE

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1631 WEST ELFINDALE STREET
SPRINGFIELD, MO 65807 (417) 869-6009
ENGINEERING CORPORATION - 000631

SUMMARY OF QUANTITIES
SHEET 29 OF 33

L:\MarshfieldMO\17322-03\Draw\Sheets\003_QU_J8I0445_i1.dgn

DRAINAGE STRUCTURES - ADD ALTERNATE B

STRUCT. NO.	PLAN SHEET	CULVERT SECTION SHEET	STATION	ROADWAY	LOCATION	STD.	TYPE	ACTUAL DEPTH	PRECAST CONCRETE DROP INLET 5 FT X 3 FT (FT)	GRATE AND BEARING PLATE (5 FT. X 3 FT. OR 1524 MM X 914 MM) (EA)	CLASS 3 EXCAVATION (CUYD)	CLASS 3 EXCAVATION IN ROCK (CUYD)	PIPE OPENINGS (NUMBER - SIZE)	REMARKS
C49	17	200	18+22.33	ELM	38.43' LT	731.10S	S-1 5 X 3	7.24	7	1	11		2-42"	
C50	17	200	26+06.75	ELM	68.06' LT	731.10S	S-1 5 X 3	6.57	7	1	11		1-24"	
C51	17	200	25+93.20	ELM	37.90' LT	731.10S	S-1 5 X 3	5.63	6	1	12		2-24"	
C45	13	200	11+10.62	ELM	70.10' LT	731.10S	S-1 5 X 3	4.82	5	1	11		1-30"	
C46	13	200	10+97.27	ELM	35.87' LT	731.10S	S-1 5 X 3	3.59	4	1	12		2-30"	
											510			TOTAL FROM PIPES
												57		10% OF CLASS 3 EXC.
								TOTALS	**29**	**5**	**567**	**57**		

NOTE: EXCAVATION QUANTITIES ASSUME PRECAST CONCRETE STRUCTURES

DITCH LINER - ADD ALTERNATE B

SHEET	FROM STATION	TO STATION	BASELINE	LOCATION	FURNISHING TYPE 1 ROCK DITCH LINER (CUYD)	FURNISHING TYPE 2 ROCK DITCH LINER (CUYD)	FURNISHING TYPE 3 ROCK DITCH LINER (CUYD)	PLACING TYPE 1 ROCK DITCH LINER (CUYD)	PLACING TYPE 2 ROCK DITCH LINER (CUYD)	PLACING TYPE 3 ROCK DITCH LINER (CUYD)	BEDDING MATERIAL FOR ROCK DITCH LINER (CUYD)	TURF TYPE TALL FESCUE SODDING (SQYD)	TYPE 2 TURF REINFORCEMENT MAT (SQYD)	REMARKS
99	10+80.44	14+00.00	ELM STREET	LT								107		
99	10+90.50	14+00.00	ELM STREET	LT								429		
103	14+00.00	21+00.53	ELM STREET	LT								977		
103	14+00.00	26+50.00	ELM STREET	LT								470		
103	21+00.53	26+50.00	ELM STREET	LT		285			285		190			
104	26+50.00	31+00.00	ELM STREET	LT		233			233		156			
104	26+50.00	35+40.65	ELM STREET	LT								138		
104	31+52.96	34+25.87	ELM STREET	RT								101		
				TOTALS	**0**	**518**	**0**	**0**	**518**	**0**	**346**	**2,115**	**0**	

WATERBORNE PAVEMENT MARKING - ADD ALTERNATE B

PAVEMENT MARKING SHEET	FROM STATION	TO STATION	BASELINE	LOCATION	4 IN. WHITE STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS	4 IN. YELLOW STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS	REMARKS
10, 14, 15	10+00.00	35+40.65	ELM	RT & LT	5,109	5,038	
				TOTALS	**5,109**	**5,038**	

NON-ALTERNATE CURB AND GUTTER - ADD ALTERNATE B

SHEET	FROM STATION	TO STATION	BASELINE	LOCATION	24 IN. SPILL CURB AND GUTTER (LF)	REMARKS
13	10+57.54	14+00.00	ELM ST	RT	342	
17	14+00.00	26+50.00	ELM ST	RT	1,250	
18	26+50.00	35+40.65	ELM ST	RT	891	
				TOTALS	**2,483**	

ADD ALTERNATE B - PAVEMENT & BASE

SHEET	FROM STATION	TO STATION	BASELINE	LOCATION	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK) (SQYD)	OPTIONAL PAVEMENT (SQYD)	REMARKS
13	10+10.92	14+00.00	ELM STREET	LT & RT	1,077	832.1	
17	14+00.00	26+50.00	ELM STREET	RT	3,611	2,777.8	
18	26+50.00	35+40.65	ELM STREET	RT	2,573	1,978.9	
					2,912		SIDEWALK SUBTOTAL
				TOTALS	**10,173**	**5,588.8**	

PRELIMINARY

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DATE PREPARED 3/11/2019
ROUTE I-44 | STATE MO
DISTRICT SW | SHEET NO. 3
COUNTY WEBSTER
JOB NO. J8I0445
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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

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SUMMARY OF QUANTITIES
SHEET 30 OF 33

RIGID CONDUIT - ADD ALTERNATE B

LIGHTING SHEET NO.	STATION	TO STATION	OFFSET	LOCATION	CIR	LENGTH	3"	FROM	TO
7	78+20.00	78+20.00	RT/LT	ROUTE CC	D2	84	82	D1	D2
				TOTALS (FEET):			82	----------	

PULL BOXES - ADD ALTERNATE B

LIGHTING SHEET NO.	STATION	OFFSET		LOCATION	P.B. NO.	CONCRETE STANDARD	DRAIN TYPE I	DRAIN TYPE II	CIRCUIT
7	78+20.00	22.00	LT	ROUTE CC	D2	1	1		D2
7	83+20.00	22.00	LT	ROUTE CC	D3	1	1		D2
7	88+20.00	22.00	LT	ROUTE CC	D4	1	1		D2
7	93+20.00	22.00	LT	ROUTE CC	D5	1	1		D2
7	98+20.00	22.00	LT	ROUTE CC	D6	1	1		D2
				TOTALS:		5			

POLES. ARMS AND LUMINAIRES - ADD ALTERNATE B

LIGHTING SHEET NO.	LUMIN. POLE NO.	STATION	OFFSET		LOCATION	45 FT. POLES TYPE AT D1	2	3	4	5	BRACKET ARMS (ft) 4'	6'	8'	10'	12'	15'	LED LUMINAIRES LED A 103 W	LED B 170 W	LED C 275 W	FOUNDATION 45'	CABLE #10 AWG 1 COND. POLE & BRKT. FEET	CIRCUIT
7	D201	103+25.00	34.00	LT	ROUTE CC		1									1		1		1	120	CIRCUIT D2
					TOTAL EACH:	0	1	0	0	0	0	0	0	0	0	1		1		1	120	

CABLE-CONDUIT & WIRES - ADD ALTERNATE B

LIGHTING SHEET NO.	CIRCUIT	FROM	TO	CENTER-CENTER LENGTH (FEET)	CABLE-CONDUIT, 1 IN., 2 CONDUCTORS AND 1 BARE NEUTRAL, 8 AWG	CABLE, 8 AWG 1 CONDUCTOR	WIRE, 8 AWG, BARE NEUTRAL	TRENCHING TYPE I	TYPE II	TYPE III
7	D2	CS D	D1	26		82	41			
7	D2	D1	D2	84		200	100			
7	D2	D2	D3	501	538			499		
7	D2	D3	D4	501	538			499		
7	D2	D4	D5	501	538			499		
7	D2	D5	D6	501	538			499		
7	D2	D6	D201	501	537			500		
			SUBTOTALS		2,689	282	141	2,496	0	0
			TOTALS		2,690	280	140	2,496	0	0

FLARED END SECTIONS - ALTERNATE B

PLAN SHEET	CULVERT SECTION SHEET	FROM STRUCT.	TO STRUCT.	42 IN. OR ALLOWED SUBSTITUTE GROUP A FLARED END SECTION (EA)	24 IN. OR ALLOWED SUBSTITUTE GROUP A FLARED END SECTION (EA)	ROCK LINING (CUYD)	REMARKS
17	202	F73-1	C49	1		0	
17	202	C49	F72-1	1		15	
17	202	F73	F72	2		15	
17	202	C51	F74		1	3	
18	202	F75	F76		2	3	
			TOTALS:	4	3	36	

DRAINAGE PIPES - ADD ALTERNATE B

PLAN SHEET	CULVERT SECTION SHEET	FROM STRUCT.	TO STRUCT.	24 IN. PIPE GROUP A (LF)	30 IN. PIPE GROUP A (LF)	42 IN. PIPE GROUP A (LF)	CLASS 3 EXCAVATION (CUYD)	REMARKS
17	208	F73-1	C49			36	34	
17	208	C49	F72-1			112	75	
17	208	F73	F72			150	79	
17	208	C50	C51	32			32	
17	208	C51	F74	103			81	
18	208	F75	F76	121			114	
13	208	C45	C46		33		36	
13	208	C46	C47		53		59	
							510	SUBTOTAL, SEE STRUCTURES FOR TOTAL
			TOTALS:	256	86	298	--	

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SEEDING - ADD ALTERNATE B

SHEET	FROM STATION	TO STATION	BASELINE	LOCATION	SEEDING - COOL SEASON MIXTURES (ACRE)	SEEDING - WARM SEASON MIXTURES (ACRE)	TEMPORARY SEEDING AND MULCHING (ACRE)	REMARKS
121	14+00.00	26+50.00	ELM	LT	0.8	1.2	0.5	
121	14+00.00	26+50.00	ELM	RT	0.8	0.2	0.3	
122	26+50.00	36+03.15	ELM	LT	0.6	0.9	0.4	
122	26+50.00	35+40.65	ELM	RT	0.4	0.1	0.1	
				TOTALS:	3	2	1	

EROSION CONTROL - ADD ALTERNATE B

SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	SEDIMENT REMOVAL (CUYD)	SILT FENCE (LF)	CURB INLET CHECK (EACH)	ROCK DITCH CHECK (EACH)	ROCK DITCH CHECK (LF)	ALTERNATE DITCH CHECK (EACH)	ALTERNATE DITCH CHECK (LF)	REMARKS
83	11+00	14+00	ELM ST	LT	9			9	121			DITCH CHECK 240-243 & 247-250
83	10+97		ELM ST	LT	1			1	50			INLET CHECK 244
83	11+02		ELM ST	LT	1			1	50			INLET CHECK 246
87	14+70	25+31	ELM ST	LT	17			17	234			DITCH CHECKS 399-400, 404-405, 402, 406-417
87	18+50		ELM ST	LT	2		2					INLET CHECK 401
87	25+93		ELM ST	LT	1			1	50			INLET CHECK 418
87	26+08		ELM ST	LT	1			1	50			INLET CHECK 403
87	14+46	26+00	ELM ST	RT	12	1174						
88	26+60	34+42	ELM ST	LT	14			14	126			DITCH CHECKS 419-432
88	33+21		ELM ST	LT	1			1	50			INLET CHECK 433
88	25+95	35+40	ELM ST	RT	8	755						
					6							SEDIMENT TRAP SEDIMENT REMOVAL
			PRE-CONSTRUCTION TOTAL		44	1149	0	--	372	--	0	
			TOTAL		117	3,078	2	--	1,103	--	0	

EROSION CONTROL - ADD ALTERNATE B PRE-CONSTRUCTION

SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	SEDIMENT REMOVAL (CUYD)	SILT FENCE (LF)	CURB INLET CHECK (EACH)	ROCK DITCH CHECK (EACH)	ROCK DITCH CHECK (LF)	ALTERNATE DITCH CHECK (EACH)	ALTERNATE DITCH CHECK (LF)	REMARKS
83 TO 87	11+92	17+28	ELM	RT	6	542						
87	14+00	26+50	ELM	RT	13			13	156			
87	14+00	26+50	ELM	LT	9			9	108			
87 TO 88	25+96	30+18	ELM	RT	5	425						
88	26+50	33+00	ELM	LT	9			9	108			
88	31+37	32+92	ELM	RT	2	182						
			TOTAL		44	1,149	0	--	372	--	0	

SEDIMENT TRAPS ALTERNATE B

SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	SEDIMENT TRAP (CUYD)	SEDIMENT TRAP ROCK (CUYD)	SEDIMENT REMOVAL (CUYD)	REMARKS
103	17+49		ELM	RT	14.2	1.7	2	
103	25+41		ELM	RT	14.2	1.7	2	
104	32+17		ELM	RT	14.2	1.7	2	
				TOTALS	42.6	5.1	6*	

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SUMMARY OF QUANTITIES
SHEET 32 OF 33

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WARNING SIGNS

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL AREA SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NUM.	DESCRIPTION
W01-1L	48X48	16.00						TURN (SYMBOL LEFT ARROW)
W01-1R	48X48	16.00						TURN (SYMBOL RIGHT ARROW)
W01-2L	48X48	16.00						CURVE (SYMBOL LEFT ARROW)
W01-2R	48X48	16.00						CURVE (SYMBOL RIGHT ARROW)
W01-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT ARROW)
W01-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT ARROW)
W01-4L	48X48	16.00						REVERSE CURVE (SYMBOL LEFT ARROW)
W01-4R	48X48	16.00						REVERSE CURVE (SYMBOL RIGHT ARROW)
W01-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)
W01-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)
W01-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)
W01-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)
W01-6	60X30	12.50						HORIZONTAL ARROW (SYMBOL)
W01-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)
W01-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)
W01-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)
W01-8	18X24	3.00						CHEVRON (SYMBOL)
W01-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)
W03-1	48X48	16.00						STOP AHEAD (SYMBOL)
W03-2	48X48	16.00						YIELD AHEAD (SYMBOL)
W03-3	48X48	16.00						SIGNAL AHEAD (SYMBOL)
W03-4	48X48	16.00						BE PREPARED TO STOP
W03-5	48X48	16.00	4	64.00			5	SPEED LIMIT AHEAD
W04-1L	48X48	16.00						MERGE (SYMBOL FROM LEFT)
W04-1R	48X48	16.00						MERGE (SYMBOL FROM RIGHT)
W04-1aL	48X48	16.00						MERGE (ARROW SYMBOL)
W04-1aR	48X48	16.00						MERGE (ARROW SYMBOL)
W05-1	48X48	16.00	4	64.00			6	ROAD/BRIDGE/RAMP NARROWS
W05-3	48X48	16.00						ONE LANE BRIDGE
W05-5	48X48	16.00						NARROW LANES
W06-1	48X48	16.00						DIVIDED HIGHWAY (SYMBOL)
W06-2	48X48	16.00						DIVIDED HIGHWAY END (SYMBOL)
W06-3	48X48	16.00						TWO WAY TRAFFIC (SYMBOL)
W07-3a	30X24	5.00						NEXT XX MILES (PLAQUE)
W08-1	48X48	16.00						BUMP
W08-2	48X48	16.00						DIP
W08-3	48X48	16.00						PAVEMENT ENDS
W08-4	48X48	16.00						SOFT SHOULDER
W08-5	48X48	16.00						SLIPPERY WHEN WET (SYMBOL)
W08-6	48X48	16.00						TRUCK CROSSING
W08-6c	48X48	16.00						TRUCK ENTRANCE
W08-7	36X36	9.00						LOOSE GRAVEL
W08-7a	36X36	9.00						FRESH OIL/LOOSE GRAVEL
W08-9	48X48	16.00						LOW SHOULDER
W08-11	48X48	16.00						UNEVEN LANES
W08-12	48X48	16.00						NO CENTER LINE
W08-15	48X48	16.00						GROOVED PAVEMENT
W08-15P	30X24	5.00						MOTORCYCLE (PLAQUE)
W08-17	48X48	16.00	2	32.00			18	SHOULDER DROP-OFF (SYMBOL)
W08-17P	30X24	5.00	2	10.00			18	SHOULDER DROP-OFF (PLAQUE)
W10-1	42RND.	9.62						RAILROAD CROSSING
W012-1	24X24	4.00						DOUBLE DOWN ARROW (SYMBOL)
W012-2a	84X24	14.00						OVERHEAD LOW CLEARANCE (FEET AND INCHES)
W012-4	120X60	50.00						LOW CLEARANCE XX FT XX IN XX MILES AHEAD
W012-5	120X60	50.00						WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD
W013-1	30X30	6.25						ADVISORY SPEED (PLAQUE)
W016-2	30X24	5.00						XXX FEET (PLAQUE)
W016-3	30X24	5.00						X MILE (PLAQUE)
W020-1	48X48	16.00	10	160.00			3	ROAD/BRIDGE/RAMP WORK AHEAD
W020-2	48X48	16.00	2	32.00			18	DETOUR AHEAD
W020-3	48X48	16.00	4	64.00			20	ROAD CLOSED AHEAD
W020-3a	48X48	16.00	3	48.00			30	ROAD CLOSED 200 FEET AHEAD
W020-3a	48X48	16.00	2	32.00			31	ROAD CLOSED 400 FEET AHEAD
W020-3a	48X48	16.00	2	32.00			32	ROAD CLOSED 500 FEET AHEAD
W020-4	48X48	16.00	2	32.00			16	ONE LANE ROAD AHEAD
W020-5	48X48	16.00	4	64.00			11	RIGHT/CENTER/LEFT LANE CLOSED AHEAD
W020-5a	48X48	16.00						2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD
W020-6a	48X48	16.00	4	64.00			12	RIGHT/CENTER/LEFT LANE CLOSED
W020-7a	48X48	16.00	2	32.00			17	FLAGGER (SYMBOL) WITH FLAGS
W021-5	48X48	16.00	4	64.00			21	SHOULDER WORK AHEAD
W021-5a	48X48	16.00	4	64.00			4	RIGHT/LEFT SHOULDER CLOSED AHEAD
W021-5a	48X48	16.00	4	64.00			7	RIGHT/LEFT SHOULDER CLOSED
W022-1	48X48	16.00						BLASTING ZONE AHEAD
W022-2	42X36	10.50						TURN OFF 2-WAY RADIO AND PHONE

GUIDE SIGNS

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NUM.	DESCRIPTION
E05-1	36X48	12.00						GORE EXIT
E05-2	48X36	12.00						EXIT OPEN
E05-2a	48X36	12.00						EXIT CLOSED
G020-1	60X24	10.00						ROAD WORK NEXT XX MILES
G020-2	48X24	8.00	4	32.00			26	END ROAD WORK
G020-4	36X18	4.50						PILOT CAR FOLLOW ME
G020-4a	42X30	8.75						PLEASE WAIT FOR PILOT CAR
G020-5aP	36X24	6.00	4	24.00			8a	WORK ZONE (PLAQUE)
M04-8a	24X18	3.00	3	9.00			53	END DETOUR
M04-9L	48X36	12.00						DETOUR (LEFT ARROW)
M04-9R	48X36	12.00						DETOUR (RIGHT ARROW)
M04-9P	48X36	12.00						DETOUR (UP ARROW)
M04-9-48	48X12	4.00						STREET NAME (PLAQUE)
M04-10L	48X18	6.00						DETOUR (ARROW LEFT)
M04-10R	48X18	6.00						DETOUR (ARROW RIGHT)

REGULATORY SIGNS

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NUM.	DESCRIPTION
R1-1	48X48	13.25						STOP
R1-2	48TRI.	6.93						YIELD
R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)
R1-3P	30X12	2.50						ALL WAY (PLAQUE)
R2-1	36X48	12.00	1	12.00			15	SPEED LIMIT 45
R2-1	36X48	12.00	1	12.00			19	SPEED LIMIT 55
R2-1	36X48	12.00	4	48.00			8b	SPEED LIMIT 60
R2-1	36X48	12.00	6	72.00			14	SPEED LIMIT 70
R3-4	48X48	16.00						NO U-TURN (SYMBOL)
R3-7L	30X30	6.25						LEFT LANE MUST TURN LEFT
R3-7R	30X30	6.25						RIGHT LANE MUST TURN RIGHT
R4-1	36X48	12.00	4	48.00			10	DO NOT PASS
R4-2	36X48	12.00	4	48.00			13	PASS WITH CARE
R4-8a	36X48	12.00						KEEP LEFT (HORIZONTAL ARROW)
R4-7a	36X48	12.00						KEEP RIGHT (HORIZONTAL ARROW)
R5-1	30X30	6.25						DO NOT ENTER
R5-1a	36X24	6.00						WRONG WAY
R6-1L	54X18	6.75						ONE WAY ARROW (LEFT)
R6-1R	54X18	6.75						ONE WAY ARROW (RIGHT)
R6-2L	24X30	5.00						ONE WAY (LEFT)
R6-2R	24X30	5.00						ONE WAY (RIGHT)
R9-9	24X12	2.00						SIDEWALK CLOSED
R9-11L	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW LEFT) CROSS HERE
R9-11R	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE
R10-6	24X36	6.00						STOP HERE ON RED (45° ARROW)
R11-2	48X30	10.00	10	100.00			29	ROAD CLOSED
R11-3a	60X30	12.50						ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY
R11-4	60X30	12.50	2	25.00			33	ROAD CLOSED TO THRU TRAFFIC
CONST-3A	60X48	20.00	4	80.00			39	FINE SIGN
CONST-3X	56X12	4.67						SPEEDING/PASSING (PLATE)

MISCELLANEOUS SIGNS

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NUM.	DESCRIPTION
CONST-5-96	96X48	32.00	2	64.00			54	COST SHARE
CONST-4	96X48	32.00	2	24.00			1	POINT OF PRESENCE
CONST-7	48X24	8.00						RATE OUR WORK ZONE
CONST-7	72X36	18.00	2	36.00			2	RATE OUR WORK ZONE
CONST-8	48X36	12.00	2	24.00			2a	WORK ZONE NO PHONE ZONE
CONST-5P-60	60X8	3.33	2	6.67			55	COMPLETED AS PROMISED
	48X27	9.00	4	36.00			40	DETOUR BRINKLEY ROAD (LEFT)
	48X27	9.00	5	45.00			41	DETOUR BRINKLEY ROAD (RIGHT)
	84X42	24.50	2	49.00			42	BRINKLEY RD CLOSED TO THRU TRAFFIC
	48X48	16.00	4	64.00			43	DETOUR MARSHALL RD (LEFT)
	48X48	16.00	4	64.00			44	DETOUR MARSHALL RD (RIGHT)
	48X48	16.00	2	32.00			45	DETOUR MARSHALL RD (STRAIGHT)
	48X48	16.00	2	32.00			56	DETOUR RIFLE RANGE (LEFT)
	48X48	16.00	1	16.00			57	DETOUR RIFLE RANGE (RIGHT)
	48X48	16.00	1	16.00			58	DETOUR RIFLE RANGE (STRAIGHT)
	84X42	24.50	3	73.50			46	MARSHALL RD CLOSED TO THRU TRAFFIC
M1-5a	30X24	5.00	16	80.00			47	STATE LETTER ROUTE SIGN (CC)
M4-8	24X12	2.00	16	32.00			48	DETOUR
M5-1L	21X15	2.19	4	8.76			49	ADVANCE TURN ARROW (90° LEFT)
M5-1R	21X15	2.19	4	8.76			50	ADVANCE TURN ARROW (90° RIGHT)
M6-1	21X15	2.19	5	10.95			51	DIRECTIONAL ARROW (LEFT/RIGHT)
M6-3	21X15	2.19	3	6.57			52	DIRECTIONAL ARROW (STRAIGHT)

616-10.05 CONSTRUCTION SIGNS	TOTAL
	2164

616-10.10 RELOCATED SIGNS	TOTAL
	*

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EFFECTIVE: 01-01-2019

ITEM NUMBER	TOTAL QTY	DESCRIPTION
6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)
6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)
6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)
6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)
6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)
6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)
6122019	2	IMPACT ATTENUATOR 70 MPH (SAND BARRELS)
6122020	6	REPLACEMENT SAND BARREL
6122030	2	IMPACT ATTENUATOR (RELOCATION)
6123000A		TRUCK OR TRAILER MOUNTED ATTENUATOR (TMA)
6161007		SPEED LIMIT AND STROBE LIGHT ASSEMBLY
6161008	22	ADVANCED WARNING RAIL SYSTEM
6161009	17	FLAG ASSEMBLY
6161012		BUOYS (BOATS KEEP OUT)
6161013		BUOYS (NO WAKE)
6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)
6161024		CHANNELIZER (TRIM LINE) WITH LIGHT
6161025	152	CHANNELIZER (TRIM LINE)
6161030	29	TYPE III MOVEABLE BARRICADE
6161031		TYPE III MOVEABLE BARRICADE WITH LIGHTS
6161033		DIRECTION INDICATOR BARRICADE
6161034		DIRECTION INDICATOR BARRICADE, WITH LIGHT
6161040	2	FLASHING ARROW PANEL
6161047		TYPE III OBJECT MARKER
6161052		WARNING LIGHT, TYPE B
6161055	16	SEQUENTIAL FLASHING WARNING LIGHT
6161070		TUBULAR MARKER
6161095		RADAR SPEED ADVISORY SYSTEM
6161096		CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED
6161098A		CHANGEABLE MESSAGE SIGN W/O COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED
6161099	3	CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED
6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM
6162002		TEMPORARY LONG-TERM RUMBLE STRIPS
6162004		TEMPORARY SHORT-TERM RUMBLE STRIPS
6173600D	144	TEMPORARY TRAFFIC BARRIER CONTRACTOR FURNISHED/RETAINED
6173602B		TEMPORARY TRAFFIC BARRIER CONTRACTOR FURNISHED/COMMISSION RETAINED
6173700B	8035	TEMPORARY TRAFFIC BARRIER ANCHORED CONTRACTOR FURNISHED/RETAINED
6173706	100	TEMP. TRAFFIC BARRIER STIFFNESSS TRANSITION SECTION, CONTRACTOR FURNISHED/RETAINED
6174000A		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION
6175010A	1332	RELOCATING TEMPORARY TRAFFIC BARRIER
6175011B		RELOCATING TEMPORARY TRAFFIC BARRIER ANCHORED
6176000B		TEMPORARY TRAFFIC BARRIER COMMISSION FURNISHED/RETAINED
6177000B		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION COMMISSION FURNISHED/RETAINED
6208064A		TEMPORARY RAISED PAVEMENT MARKER
9029400		TEMPORARY TRAFFIC SIGNALS
9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING

* - NO DIRECT PAYMENT FOR RELOCATED SIGNS

SUMMARY OF QUANTITIES
SHEET 33 OF 33

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

DATE PREPARED 3/11/2019
ROUTE I-44 | STATE MO
DISTRICT SW | SHEET NO. 3
COUNTY WEBSTER
JOB NO. J8I0445
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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

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CRAWFORD, MURPHY & TILLY, INC.
1631 WEST ELFINDALE STREET
SPRINGFIELD, MO 65807 (417) 869-6009
ENGINEERING CORPORATION - 000631

PRELIMINARY

L:\MarshfieldMO\17322-03\Draw\Sheets\003_QU_J8I0445_i1.dgn

SCALE
0 50 100 150

SEE SHEET 5
MATCHLINE I-44 WB STA. 617+50.00

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1 JOHNSON, STEVEN C ETAL
SEE SHEET 5 FOR TAKINGS

JONES, JASON & APRIL ETAL
NO TAKINGS

GRAYBILL, CURTIS O & JENNY
NO TAKINGS

CITY OF MARSHFIELD
NO TAKINGS

YOUNG, ANGIE C
NO TAKINGS

JONES, JASON & APRIL
NO TAKINGS

SW ¼ NW ¼ 34-31-18
SE ¼ NE ¼ 33-31-18
NE ¼ SE ¼ 33-31-18
NW ¼ SW ¼ 34-31-18
1/4 SECTION LINE
SECTION LINE

STA 615+00.00 EX NOR=
STA 615+00.00 PR NOR
615

STA 614+91.43 WB I-44 =
STA 0+00.00 RAMP 3

STA. 614+10.00
STA. 613+60.00
STA. 611+71.57 EXIST. NOR
STA. 610+65.00
STA. 609+75 WB I-44
BEGIN PROJECT
610

616+43.33
173.49' RT
616+40.00
156.99' RT

608+83.42
151.02' LT

3668.85' R
3976.85' R

EXIST. R/W
NEW R/W
PROP. UTIL. ESMT.
EXIST. ESMT.
(AT&T)
(CENTURYLINK)
BROOK STREET
BUILDING
RAMP 2
RAMP 3
SAWCUT
12' LANE
6' SHLDR.
8' FBD
4' FBD
2' FBD
300' TAPER
100' TAPER
C.E.T.
V-DITCH
FO
(UIP)
SIGN
(LIGHT CORE)
24" STEEL CASING (BY OTHERS)
4" TYPE "D" CURB
12" PIPE
15" PIPE
18" PIPE
℄ PROP. NOR
℄ EXIST. NOR
℄ WB I-44
℄ EB I-44
A1 A2 A3 A4 A5 A17 A18

LAND TIE
SE 1/4 SE 1/4
SEC. 33-T31N-R18W
℄ I-44 EAST BOUND
1/4 SEC. LINE
2009.28'
S04°00'50"W
609+75
609+00
608+00
1/2" IRON PIN
SE COR SE 1/4
SEC. 33-T31N-R18W
COR. DOC. #600-43083
SW 1/4 SW 1/4
SEC. 34-T31N-R18W
NE 1/4 NE 1/4
SEC. 4-T30N-R18W
NW 1/4 NW 1/4
SEC. 3-T30N-R18W

SE CORNER
SEC. 33-T31N-R18W

LAND CORNER TIE INFORMATION
SURVEYOR: RALPH SCARBOROUGH
REG. NUMBER: 245
DATE OF SURVEY: APRIL, 1987
CORNER INDEX NUMBERS: A-13 & Z-13
DOCUMENT NUMBER: 600-43083
REC. DATE: MARCH 9, 1989

DRAINAGE LEGEND

(A) PRECAST CONCRETE DROP INLET 4FT X 2FT WITH CURVED VANE GRATE AND FRAME (4FT X 2FT) (TYPE A)

(B) PRECAST CONCRETE DROP INLET 3FT X 2FT WITH GRATE AND BEARING PLATE 3FT X 2FT (TYPE S-1)

(C) PRECAST CONCRETE DROP INLET 5FT X 3FT WITH GRATE AND BEARING PLATE 5FT X 3FT (TYPE S-1)

(D) PRECAST CONCRETE DROP INLET 2FT X 2FT WITH CURVED VANE GRATE AND FRAME (2FT X 2FT) (TYPE D)

(E) PRECAST CONCRETE MANHOLE WITH MANHOLE FRAME AND COVER, TYPE 4

(F) GROUP A FLARED END SECTION

(S) SPECIAL INLET NO. 1

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

GENERAL NOTES

1. THE BASIS OF BEARING IS U.S. STATE PLANE NAD83 ZONE 2401 (MISSOURI CENTRAL). VERTICAL DATUM IS NAVD88.
2. RIGHT OF WAY LIMITS FOR THIS PROJECT EXTEND FROM STATION 610+45.00 TO STATION 643+50.00, INTERSTATE 44, A DISTANCE OF 0.62 MILES. ANY WORK INDICATED ON THE PLANS THAT EXTENDS BEYOND THE PROJECT LIMITS IS CONSIDERED INCIDENTAL TO AND A PART OF THE CONSTRUCTION OF THIS PROJECT.
3. SEE GEOMETRIC SHEETS FOR INTERSECTION STATION TIES, CURVE DATA, ANGLES, BEARINGS, AND COORDINATE POINT INFORMATION.
4. ALL RIGHT OF WAY CALLOUTS REFERENCE THE CENTERLINE OF THE WESTBOUND LANES OF INTERSTATE 44, UNLESS OTHERWISE NOTED.
5. THE APPROXIMATE LOCATION OF PROPERTY LINES AS SHOWN ON THE PLANS ARE BASED ON THE BEST INFORMATION AVAILABLE TO THE COMMISSION AT THIS TIME. THIS INFORMATION IS PROVIDED BY THE COMMISSION AS-IS AND THE COMMISSION EXPRESSLY DISCLAIMS AND REPRESENTATION OR WARRANTY AS TO THE COMPLETENESS, ACCURACY, OR SUITABILITY OF THE INFORMATION FOR ANY USE.

LEGEND
- PAVEMENT REMOVAL
- PROPOSED PAVEMENT

PLAN SHEET
INTERSTATE 44
SHEET 1 OF 15

PRELIMINARY

DATE PREPARED 3/11/2019
ROUTE I-44 | STATE MO
DISTRICT SW | SHEET NO. 4
COUNTY WEBSTER
JOB NO. J8I0445
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

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

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

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SCALE
0 50 100 150

SEE SHEET 6
MATCHLINE I-44 WB STA. 626+50.00

SEE SHEET 6
NORTH OUTER ROAD
STA. 626+00.00

F49
8' SHLDR.
14' LANE
626+00.00
136.00' LT
4' SHLDR.
+34.79
℄ NOR
625
48" PIPE
F50
NOR STA. 625+17
42" CULVERT
DA = 15.3 ac
Q50 = 72 CFS
623+90.00
355.00' LT
623+10.46
372.33' LT
STA. 622+20
3'x2' S-1 INLET
DA = 1.5 ac
Q50 = 12 CFS
622+80.00
395.00' LT
622+86.02
377.56' LT
622+60.00
305.00' LT
2'X15'X88' ROCK LINING
8'x7' BOX CULVERT EXTENSION
623+00.00
151.00' LT
(RBO)
EXIST. HEADWALL (R)
℄ RAMP 2
TYPE A COLLAR
18" PIPE
(R) GUARDRAIL
B52
E51
℄ EB I-44
STA. 624+80.01
(R) GUARDRAIL
℄ WB I-44
EXISTING 8'X7' CONCRETE BOX CULVERT (TYP.)
STA. 621+55.64 WB I-44
STA. 622+45.00
STA. 621+00.99 WB I-44
STA. 621+00.00
EXIST. HEADWALL (R)
8' SHLDR.
14' LANE
4' SHLDR.
STA. 625+30.00
24.47
57.00' RT
8' FBD
4' FBD
C25
C23
C54
F26
F24
F19
15" PIPE
12" PIPE
24" PIPE
(LIGHTCORE)
(AT&T)
(EXIST. ESMT.)
PROP. UTIL. ESMT.
SLC
NEW R/W
1'x4'x1' ROCK LINING
624+55.00
265.00' RT
624+55.75
280.07' RT
622+35.00
300.00' RT
622+34.61
315.25' RT
STA. 622+00
3'x2' S-1 INLET
DA = 0.5 ac
Q50 = 4 CFS + 3 CFS
OVERFLOW FROM UPSTREAM INLET
STA. 623+57
5'x3' S-1 INLET
DA = 1.1 ac
Q50 = 9 CFS + 17 CFS
OVERFLOW FROM 30" RCP
RELOCATED FIBER OPTIC LINE
(BY OTHERS)
SW ¼ NW ¼
34-31-18
4
WILKS, BRYCE & MARYL
5.16 AC NEW R/W
0.30 AC PERM. ESM'T. (UTILITY)
9.34 AC REMAINING (LEFT)
0.40 AC REMAINING (RIGHT)
SECTION LINE
RAMP 2 STA. 10+50
5'x3' S-1 INLET
DA = 1 ac
Q50 = 8 CFS
PT STA 9+22.04
620+83.00
240.00' LT
PC STA 10+27.22
620
619+88.80
151.00' LT
C.E.T.
12'
2'
24" PIPE
4" TYPE "D" CURB
SAWCUT
A6
24" TYPE "D" CURB
619+88.80
157.00' RT
STA. 621+14
8'x7' RCB
DA = 410 ac
Q100 = 988 CFS
PC STA 5+98.01
EB I-44 EQUATION:
Sta 620+23.90 BK =
Sta 619+88.80 AH
PT STA 619+88.80
3
OBERMARK, LONNIE RAE & AUDREA P
0.28 AC NEW R/W
0.08 AC PERM. ESM'T. (UTILITY)
3.24 AC REMAINING (RIGHT)
618+21.62
229.61' RT
618+25.00
215.00' RT
NE ¼ NE ¼
33-31-18
1
JOHNSON, STEVEN C ETAL
12.01 AC NEW R/W
20.49 AC REMAINING (LEFT)
BEGIN CONSTRUCTION NOR STA. 617+18.93
MATCHLINE I-44 WB STA. 617+50.00
SEE SHEET 4

LEGEND
– PAVEMENT REMOVAL
– PROPOSED PAVEMENT

PRELIMINARY

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

DATE PREPARED	
3/11/2019	
ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
SW	5
COUNTY	
WEBSTER	
JOB NO.	
J8I0445	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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PLAN SHEET
INTERSTATE 44
SHEET 2 OF 15

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NOTE:
SEE SPECIAL SHEETS FOR TRAFFIC FLOW DIAGRAMS.

SCALE
0 50 100 150

SEE SHEET 7
NORTH OUTER ROAD
STA. 635+00.00

SEE SHEET 7
MATCHLINE I-44 WB STA. 634+50.00

1
JOHNSON, STEVEN C ETAL
SEE SHEET 5 FOR TAKINGS

+45.00
510.00' LT

NOR STA. 633+83
48" CULVERT
DA = 17 ac
Q50 = 87 CFS

2'x12'x20' ROCK LINING

ENTRANCES CONSTRUCTED THROUGH NEW CONTROLLED ACCESS RIGHT OF WAY BETWEEN STATION 630+60.00 AND STATION 631+20.00 MAY BE WIDENED BY PERMIT TO A WIDTH OF 60 FT [18 M] UNLESS OTHERWISE NOTED.

RAISED MEDIAN (TYP.)
TYPE B C&G
PI STA 631+84.89
LOW PROFILE CURB
VERTICAL CURB
RELOCATED TELEPHONE LINE (BY OTHERS)

631+20.00
510.00' LT
BEGIN CONSTRUCTION
54+08.15 ROUTE CC

FUTURE LEG

630+60.00
510.00' LT
PI STA 630+28.24

TRUCK APRON

60' BREAK IN ACCESS

NW ¼ NW ¼ 34-31-18
NE ¼ NE ¼ 33-31-18
SW ¼ NW ¼ 34-31-18
SE ¼ NE ¼ 33-31-18
1/4 SECTION LINE
SECTION LINE

627+90.00
510.00' LT

PT STA 629+09.64

JOHNSON, STEVEN C ETAL
NO TAKINGS

ROUTE CC STA. 57+35
24" CULVERT
DA = 1.5 ac
Q50 = 12 CFS

I-44 STA. 626+57 LT.
5'x3' S-1 INLET
DA = 1 ac
Q50 = XX CFS

PRC STA 626+14.79

NORTH OUTER ROAD
STA. 626+00.00
SEE SHEET 5

MATCHLINE I-44 WB STA. 626+50.00
SEE SHEET 5

I-44 STA. 628+80
EXIST. 30" CULVERT
DA = 8 ac
Q50 = 47 CFS

PRC STA 11+06.12
STA. 634+24.80
HTGC ANCHOR
STA. 633+86.80
PT STA 2+88.01
STA. 633+49.39
4' SHLDR.
STA. 632+02.30
STA. 631+51.38
STA. 631+51.36
PC STA 633+03.12
PT STA 13+88.23
PT STA 13+23.50
+27.60
634+00.00
126.00' LT
632+00.00
136.00' LT
PC STA 55+92.23
PI STA 55+57.61
POT STA 0+00.00
PCC STA 2+57.61
PC STA 629+34.92
STA. 629+88.22
STA. 1+40.00
PRC STA 1+79.49
PC STA 5+15.22
PT STA 627+51.32
PRC STA 12+65.61
PC STA 628+05.44
NOR STA. 628+82.74
NOR STA. 626+63.70
NOR STA. 625+95.77
+14.79
STA. 628+00.42
+87.99
+15.00
+05.00

F7 F8 F37 F38 F39 F40 F42 F43 F48 F35 F27 F30

D47 D46 D45 D44 D34 D33 D32 D31 D28 D20 D21

C41 C36 C15 C16 S29

8" FBD
48" PIPE
450' R
NEW R/W
UT
SLC
SLF
C.E.T.
GUARDRAIL
TRUCK APRON
EXIST. R/W
8" FBD
24" PIPE
MSE WALL (A8754)
2' FBD
END ANCHOR
SAWCUT
1'x4'x12' ROCK LINING
12" PIPE
MSE WALL (A8755)
18" PIPE
(EXIST. ESMT.)
(AT&T)
RELOCATED FIBER OPTIC LINE BY OTHERS
PROP. UTIL. ESMT.
633+75.00
285.00' RT
633+39.03
306.58' RT
632+50.00
368.00' RT
POT STA 0+00.00
PC STA 0+00.00
PI STA 61+84.54
TYPE B C&G
RAISED MEDIAN (TYP.)
TRUCK APRON
63.38' R
BUILDING
RAMP 4 STA. 1+85
5'x3' S-1 INLET
DA = 5 ac
Q50 = 28 CFS
5
SPRIGGS, THOMAS W & REGINA A (RT)
SEE SHEET 10 FOR TAKINGS
ROUTE CC STA. 59+17
36" CULVERT
DA = 7 ac
Q50 = 42 CFS
SEE SHEET 10
MATCHLINE ROUTE CC
STA. 64+00.00
B RAMP 4
60' R
PC STA 0+84.64
PI STA 60+62.85
TYPE B C&G
VERTICAL CURB
MOUNTABLE CURB (RBO)
CCTV CAMERA
B E ROUNDABOUT
10' M.U.T.
TYPE B C&G
30" PIPE
12" PIPE
PC STA 9+65.57
PT STA 9+65.57
630+41.85
529.50' RT
629+97.01
531.02' RT
7+99.72
629+85.51
547.69' RT
629+18.67
631.84' RT
825' R
EXIST. R/W
1+94.43
15+84.43
1'x4'x1' ROCK LINING
628+11.20
300.67' RT
628+00.00
285.00' RT
628+75.00
390.00' RT
628+29.77
551.24' RT
ACCEL. LANE
STA 4+31.30 RAMP 3A
STA. 7+76.08
MARSHALL
1188' R
B RAMP 3A
STA. 12+86.09 RAMP 3 =
STA 0+00.00 RAMP 3A
RELOCATED FIBER OPTIC LINE (BO)
PROP. UTIL. ESMT.
4
WILKS, BRYCE & MARYL
SEE SHEET 5 FOR TAKINGS
ROUTE CC STA. 63+00
5'x3' S-1 INLET
DA = 3.4 ac
Q50 = 25 CFS
MARSHALL RD. STA. 8+80
5'x3' S-1 INLET
DA = 2.4 ac
Q50 = 14 CFS
MATCHLINE MARSHALL ROAD 9
STA. 6+50.00, SEE SHEET 9

LEGEND
- PAVEMENT REMOVAL
- PROPOSED PAVEMENT

PRELIM

DATE PREPARED	
3/11/2019	
ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
SW	6
COUNTY	
WEBSTER	
JOB NO.	
J8I0445	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

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

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

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PLAN SHEET
INTERSTATE 44
SHEET 3 OF 15

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SCALE
0 50 100 150

SEE SHEET 8
MATCHLINE I-44 WB STA. 643+50.00

SW ¼ SW ¼ 27-31-18

SECTION LINE

643+50.00
141.00' LT

642+60.00
163.00' LT

641+00.00
131.00' LT

1'x4'x1' ROCK LINING

F14

NEW R/W

EXIST. R/W

15" PIPE

4' FBD

SAWCUT

(UIP)

℄ WB I-44

℄ EB I-44

STA 3+36.64 RC

STA. 639+26.76

STA. 639+12.10

EXIST. R/W (AT&T)

EXIST. FIBER OPTIC LINE (DND)

F13

8' FBD

EXIST. HEADWALL (R)

(EXIST. ESMT.)

NE ¼ NW ¼ 34-31-18

NW ¼ NW ¼ 34-31-18

PT STA 10+49.79 RAMP 4 =
STA 42+44.45 I-44

641+00.00
157.00' RT

640+92.82
173.50' RT

I-44 STA. 642+50
DA = 3 ac
Q50 = 20 CFS

I-44 STA. 635+70
5'x6' RCB
DA = 13 ac
Q100 = 72 CFS

1/4 SECTION LINE

(1)
JOHNSON, STEVEN C ETAL
SEE SHEET 5 FOR TAKINGS

RELOCATED TELEPHONE LINE (BY OTHERS)

640

+00.00

PCC STA 639+29.34

638+25.00
210.00' LT

638+00.00
131.00' LT

637+00.00
166.00' LT

I-44 STA. 635+70
3'x2' S-1 INLET
DA = 1 ac
Q50 = 8 CFS

℄ NOR

PRC STA 636+10.78

+99.78

+19.78

12' SHLDR.

12' LANE

4' SHLDR.

2'x10'x60' Box Lining

EXIST. HEADWALL (R)

PROP. CONC. COLLAR

635

34.6'

42" PIPE

8' FBD

℄ RAMP 1

℄ RAMP 4

PC STA 7+15.24

EXISTING 5'X6' CONCRETE BOX CULVERT (UIP)

PROP. CONC. COLLAR

C12

E11

15" PIPE

10

F9

F10

PROP. UTIL. ESMT.

42" PIPE

RELOCATED FIBER OPTIC LINE (BY OTHERS)

(5)
SPRIGGS, THOMAS W & REGINA A (RT)
SEE SHEET 10 FOR TAKINGS

BUILDIN

1 – NOR STA. 635+92.51
2 – NOR STA. 636+55.55
3 – NOR STA. 639+88.80
4 – NOR STA. 640+38.81

LEGEND
– PAVEMENT REMOVAL
– PROPOSED PAVEMENT

NORTH OUTER ROAD
STA. 635+00.00
SEE SHEET 6

MATCHLINE I-44 WB STA. 634+50.00
SEE SHEET 6

PLAN SHEET
INTERSTATE 44
SHEET 4 OF 15

PRELIMINARY

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DATE PREPARED 3/11/2019
ROUTE I-44 | STATE MO
DISTRICT SW | SHEET NO. 7
COUNTY WEBSTER
JOB NO. J8I0445
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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

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

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SCALE

0 50 100 150

LEGEND

- PAVEMENT REMOVAL
- PROPOSED PAVEMENT

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PRELIMINARY

END PROJECT
STA. 651+15.00

STA. 650+00.00

650

STA. 649+50.06

250' TAPER

4' FBD

STA. 649+10.00

STA. 649+09.97

300' TAPER

STA. 648+60.00

8' FBD

SW ¼ SW ¼
27-31-18

NOR STA 647+65.97 =
EX NOR STA 647+00.00

STA 0+00.00 RAMP 1 =
STA 644+46.83 I-44

CANTRELL, CLYDE & SHON CANTRELL

NO TAKINGS

END CONSTRUCTION NOR
STA. 645+66.94

645

TYPE I DRIVEWAY
STA. 644+46.83 LT., NORTH OUTER ROAD
20 FT WIDE
EXISTING GRADE -6%
PROPOSED GRADE -6%
NO PIPE

24" STEEL CASING (BY OTHERS)

(EXIST. ESMT.)

SECTION LINE

(EXIST. ESMT.)

NW ¼ NW ¼
34-31-18

1/4 SECTION LINE

NE ¼ NW ¼
34-31-18

SE ¼ SW ¼
27-31-18

⑤

SPRIGGS, THOMAS W & REGINA A (RT)

SEE SHEET 10 FOR TAKINGS

MATCHLINE I-44 WB STA. 643+50.00
SEE SHEET 7

PLAN SHEET
INTERSTATE 44
SHEET 5 OF 15

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DATE PREPARED
3/11/2019

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
SW	8

COUNTY
WEBSTER

JOB NO.
J8I0445

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

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

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SCALE
0 50 100 150

8
JDE INVESTMENTS, LLC
SEE SHEET 10 FOR TAKINGS

JC
11.
2.1
0.1
0.8
2.4
1.8
72.
13

5

626+80.75
828.59' RT
626+75.31
804.88' RT
8' FBD
2' SHLDR
PERM. DRAINAGE ESMT
BEGIN CONSTRUCTION MARSHALL
STA. 2+34.18
624+56.39
880.04' RT
624+50.95
856.33' RT
SE ¼ NW ¼
34-31-18
TYPE I DRIVEWAY
STA. 5+39.69 RT., MARSHALL ROAD
20 FT WIDE
PROPOSED GRADE +0.2%
NO PIPE
EXISTING PAVEMENT
TO REMAIN
(CENTURY LINK)
EXIST. R/W
(WEBSTER ELECTRIC)
(SUMMIT GAS)
SLF
225' TAPER
705.00' R
℄ MARSHALL RD
EXIST. R/W
1/4 SECTION LINE
SW ¼ NW ¼
34-31-18
624+65.07
764.86' RT
624+19.97
775.21' RT
624+25.91
800.52' RT
2' SHLDR
NEW R/W
12' LANES
MATCHLINE MARSHALL
STA. 6+50.00,
SEE SHEET 6
MARSHALL ROAD
SEE SHEET 6

4
WILKS, BRYCE & MARYL
SEE SHEET 5 FOR TAKINGS

3
OBERMARK,
LONNIE RAE
& AUDREA P
SEE SHEET 5 FOR TAKINGS

LEGEND
- PAVEMENT REMOVAL
- PROPOSED PAVEMENT

PLAN SHEET
MARSHALL RD
SHEET 6 OF 15

PRELIMINARY

DATE PREPARED
3/11/2019
ROUTE I-44 | STATE MO
DISTRICT SW | SHEET NO. 9
COUNTY WEBSTER
JOB NO. J8I0445
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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NOTE: RIGHT-OF-WAY CALLOUTS ON SHEETS 10-16 REFERENCE ROUTE CC STATIONING.

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LEGEND

- PAVEMENT REMOVAL
- PROPOSED PAVEMENT

SCALE
0 50 100 150

NE¼ NW¼ 34-31-18

SPRIGGS, THOMAS W & REGINA A (RT) (5)
6.17 AC NEW R/W
0.08 AC PERM. ESM'T. (DRAINAGE)
0.24 AC PERM. ESM'T. (UTILITY)
0.17 AC TEMP. ESM'T. (CONSTRUCTION)
81.27 AC REMAINING (LEFT)

JDE INVESTMENTS, LLC (8)
11.40 AC NEW R/W - MODOT
2.10 AC NEW R/W - CITY
0.15 AC PERM. ESM'T. (DRAINAGE) - MODOT
0.84 AC PERM. ESM'T. (DRAINAGE & TRAIL) - CITY
2.49 AC TEMP. ESM'T. (CONSTRUCTION) - MODOT
1.85 AC TEMP. ESM'T. (CONSTRUCTION) - CITY
72.10 AC REMAINING (LEFT)
139.94 AC REMAINING (RIGHT)

SE¼ NW¼ 34-31-18

GTP TOWERS V, LLC (7)
0.01 AC TEMP. ESM'T. (CONSTRUCTION)
0.29 AC REMAINING

SEE SHEET 6 MATCHLINE ROUTE CC STA. 64+00.00

SEE SHEET 11 MATCHLINE ROUTE CC STA. 76+50.00

1/4 SECTION LINE

BUILDING

WELL

64+36.72 79.39' LT
64+35.99 27.35' RT
65+00.67 33.70' RT
65+50.92 PT STA.
65+50.16 60.00' LT
65+61.52 20.00' RT
67+20.00 70.00' LT
67+20.00 60.00' LT
69+00.00 60.00' LT
74+20.00 60.00' LT.
76+25.00 60.00' LT.
76+25.00 T.C.E.
76+25.00 95.00' LT.

T.C.E.
NEW R/W
℄ ROUTE CC
8' FBD
4' SHLDR.
SLC
12' LANE
12' LANE
60'
80'
120' R
SUMMIT GAS
EXIST. R/W
10' M.U.T.
WEBSTER ELECTRIC
CENTURY LINK
(RBO)
FENCE (R)
EXIST. & NEW R/W
ROUTE CC
F51
F52
F53
F54
F55
F55-1

64+90.51 138.74' RT.
655+00.67 99.13' RT.
65+50.00 80.00' RT.
65+61.52 80.00' RT.
69+00.00 80.00' RT.
74+20.00 80.00' RT.

STA. 76+40.06
2-24" PIPES
D.A. = 11 AC
Q_m = 27 CFS

STA. 73+02.07
15" PIPE
D.A. = 1 AC
Q_m = 4 CFS

STA. 75+71.21
15" PIPE
D.A. = 4 AC
Q_m = 9 CFS

TYPE I DRIVEWAY
73+00.51 RT.
SKEW = 2.34°
GRADE = +5.9%
WIDTH = 11' (MATCH EX.)

1	75+45.00, 80.00' RT
2	75+45.00, 90.00' RT
3	75+70.00, 100.00' RT
4	75+70.00, 110.00' RT
5	75+75.00, 90.00' LT
6	75+75.00, 80.00' LT

PLAN SHEET
ROUTE CC
SHEET 7 OF 15

PRELIMINARY

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

DATE PREPARED 3/11/2019
ROUTE I-44 | STATE MO
DISTRICT SW | SHEET NO. 10
COUNTY WEBSTER
JOB NO. J8I0445
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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

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℄ MARSHALL ST.

END DITCH GRADING
STA.14+34.00

EX. 30" X 18"
ELIPTICAL

77+03.89
435.20' LT.
77+18.89
435.41' LT.

77+10.11
349.86' LT.
77+20.10
350.00' LT.

V-DITCH
(RBO)

PERM. ESMT.
(DRAINAGE)
T.C.E.

EXIST. R/W

WEBSTER ELECTRIC
EXIST. R/W
CENTURYLINK

(UIP)

T.C.E. END ROAD CONSTRUCTION
STA.11+00.00

2'x17'x20' ROCK LINING

1'x6'x14' ROCK LINING

NEW R/W

F56
F56-1
F57
F58

90°44'22"

1	77+00.00, 60.00' LT.
2	77+06.63, 95.00' LT.
3	77+08.60, 105.44' LT.
4	77+13.25, 130.00' LT.
5	77+83.55, 110.00' LT.
6	78+00.00, 110.00' LT.
7	78+00.00, 60.00' LT.
8	77+84.26, 60.00' LT.
9	77+24.25, 60.00' LT.

NW¼ NE¼
34-31-18

(6)
SPRIGGS, THOMAS W & REGINA A (RT)
6.83 AC NEW R/W
0.32 AC TEMP. ESM'T. (CONSTRUCTION)
155.18 AC REMAINING (LEFT)

(5)

SEE SHEET 10
MATCHLINE ROUTE CC
STA. 76+50.00

80

85

SEE SHEET 12
MATCHLINE ROUTE CC
STA. 89+00.00

LEGEND

- PAVEMENT REMOVAL
- PROPOSED PAVEMENT

SCALE
0 50 100 150

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DHV = 10%
257 (190)
17 (22)
166 (293)
MARSHALL ST.
NORTH
612 (504)
14 (33)
355 (314)
ROUTE CC
WEST
ROUTE CC
EAST
152 (260)
160 (403)
177 (425)
TRAFFIC FLOW DIAGRAM
ESTIMATED - 2040 AM (PM)
PEAK HOUR TRAFFIC VOLUME

80+85.00 60.00' LT.
81+50.00 60.00' LT.
81+50.00 70.00' LT.
88+50.00 70.00' LT.
88+50.00 60.00' LT.

℄ ROUTE CC
T.C.E.
4' SHLDR.
8' FBD
SLC
NEW R/W
60'
12' LANE
12' LANE
1/4 SECTION LINE
10' M.U.T.

(RBO)
24" STEEL CASING
(BY OTHERS)
ROUTE CC STA.77+57.66
MARSHALL ST. STA. 10+00.00

STA. 79+50.00
24" PIPE
D.A. = 6 AC
Q = 16 CFS

77+40.00 110.00' RT.
77+40.00 100.00' RT

80+85.00 80.00' RT
81+50.00 100.00' RT
81+50.00 110.00' RT

86+50.00 110.00' RT
86+50.00 100.00' RT
88+30.00 80.00' RT
88+30.00 100.00' RT

(8)
JDE INVESTMENTS, LLC
SEE SHEET 10 FOR TAKINGS

SE¼ NW¼
34-31-18

SW¼ NE¼
34-31-18

1/4 SECTION LINE

60' R/W
CONVEYANCE
BK. 296 PG. 639
STATUS UNKNOWN

PRELIMINARY

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DATE PREPARED
3/11/2019

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
SW	11

COUNTY
WEBSTER

JOB NO.
J8I0445

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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PLAN SHEET
ROUTE CC
SHEET 8 OF 15

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

LEGEND

- PAVEMENT REMOVAL
- PROPOSED PAVEMENT

SCALE
0 50 100 150

SEE SHEET 11
MATCHLINE ROUTE CC
STA. 89+00.00

NW¼ NE¼
34-31-18

90

95

100

6
SPRIGGS, THOMAS W & REGINA A (RT)
SEE SHEET 11 FOR TAKINGS

NE¼ NE¼
34-31-18

STA. 91+85.08
30" PIPE
D.A. = 17 AC
Q_m = 45 CFS

91+95.00 60.00' LT
91+95.00 75.00' LT
92+30.00 75.00' LT
92+30.00 60.00' LT
93+40.00 60.00' LT
93+40.00 75.00' LT
97+40.00 75.00' LT
97+40.00 60.00' LT
99+40.00 60.00' LT
99+90.00 69.03' LT

1.5'x9'x18' ROCK LINING
T.C.E.
NEW R/W
SLC
F59
C81
C80
4' SHLDR.
℄ ROUTE CC
8' FBD
12' LANE
ROUTE CC
1/4 SECTION LINE
60'
80'
3' SHLDR.
10' M.U.T.
30" PIPE

92+10.00 100.00' RT
92+10.00 80.00' RT
92+80.00 100.00' RT
92+80.00 115.00' RT
96+20.00 115.00' RT
96+20.00 100.00' RT
97+70.00 80.00' RT
97+90.00 100.00' RT
97+90.00 83.94' RT
99+90.00 123.33' RT
101+00.00 145.00' RT
101+00.00 205.00' RT
T.C.E.

8
JDE INVESTMENTS, LLC
SEE SHEET 10 FOR TAKINGS

SW¼ NE¼
34-31-18

SE¼ NE¼
34-31-18

1/4 SECTION LINE

SEE SHEET 13
MATCHLINE ROUTE CC
STA. 101+50.00

PRELIMINARY

PLAN SHEET
ROUTE CC
SHEET 9 OF 15

DATE PREPARED	3/11/2019
ROUTE	I-44
STATE	MO
DISTRICT	SW
SHEET NO.	12
COUNTY	WEBSTER
JOB NO.	J8I0445
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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LEGEND
- PAVEMENT REMOVAL
- PROPOSED PAVEMENT

SCALE
0 50 100 150

DHV = 10%
302 (269)
152 (148)
10 (27)
ROUTE CC. WEST
ROUTE CC EAST
91 (159)
58 (181)
105 (183)
68 (208)
ELM ST. SOUTH
150 (121)
14 (24)
105
TRAFFIC FLOW DIAGRAM
ESTIMATED - 2040 AM (PM)
PEAK HOUR TRAFFIC VOLUME

NE¼ NE¼ 34-31-18
NW¼ NW¼ 35-31-18
SW¼ NW¼ 35-31-18
SE¼ NE¼ 34-31-18

SECTION LINE
1/4 SECTION LINE

6
SPRIGGS, THOMAS W & REGINA A (RT)
SEE SHEET 11 FOR TAKINGS

8
JDE INVESTMENTS, LLC
SEE SHEET 10 FOR TAKINGS

STA. 102+62.27
8'x 6' RCB
D.A. = 145 AC
Q50 = 365 CFS

103+00.00
125.00' LT

ROUTE CC STA.103+40.29
ELM ST. STA. 10+00.00

3'x32'x40' ROCK LINING
NEW R/W
SLC
F60
104+00.00
60.00' LT.

STA. 103+91.00
30" CULVERT
D.A. = 7 AC
Q25 = 21 CFS

107+00.00
60.00' LT
107+20.00
66.37' LT

STA. 109+60.78
36" CULVERT
D.A. = 10 AC
Q25 = 32 CFS
1'x7'x16' ROCK LINING
F62
109+60.00
170.00' LT

CONNECT TO BOX CULVERT
1'x7'x16' ROCK LINING
24" CULVERT
45°R
10
12' LANE
12' LANE
ROUTE CC
4' SHLDR.
8' FBD
8' FBD V-DITCH
PC STA 108+21.99
℄ ROUTE CC
36" PIPE
111+50.00
110.00' LT

C82
24" STEEL CASING (BY OTHERS)
30" CULVERT
1
2
3
983
STA. 104+06.57
5' X 3' S-1 INLET
D.A. 3.2 AC
Q25 = 10 CFS
104+75.00
70.00' RT.
STA. 103+77.97
5' X 3' S-1 INLET
D.A. 3.6 AC
Q25 = 11 CFS
106+50.00
70.00' RT
106+50.00
60.00' RT
107+20.00
60.00' RT
107+90.00
60.00' RT
107+90.00
80.00' RT
108+21.99
60.00' RT
108+61.24
79.10' RT

E84
36" PIPE
F61
109+75.00
120.00' RT
109+75.00
130.00' RT
112+60.00
60.00' RT
112+55.39
60.00' RT
705' R

+41.90
+75.60
85'R
+65.30
30'R
102+94.45
80.00' RT
+68.83
+97.69
30'R
200'R
+28.25
ELM
+90.52
ELM
1495'R
102+95.39
145.00' RT
4' SHLDR.
20'
T.C.E.
NEW R/W
SLC
8' FBD
+89.65
ELM
102+65.25
205.00' RT
T.C.E.
NEW CITY R/W
ELM ST.
PERM. ESM'T (DRAINAGE & TRAIL)
℄ ELM ST.
1505'R
+91.90
ELM
GRADING FOR FUTURE LANE

1 104+19.46, 60.00' RT.
2 104+19.46, 80.00' RT.
3 103+84.46, 80.00' RT.

SEE SHEET 12
MATCHLINE ROUTE CC
STA. 101+50.00

SEE SHEET 17
MATCHLINE ELM ST.
STA. 14+00.00

SEE SHEET 14
MATCHLINE ROUTE CC
STA. 114+00.00

PRELIMINARY

DATE PREPARED 3/11/2019
ROUTE I-44 | STATE MO
DISTRICT SW | SHEET NO. 13
COUNTY WEBSTER
JOB NO. J8I0445
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

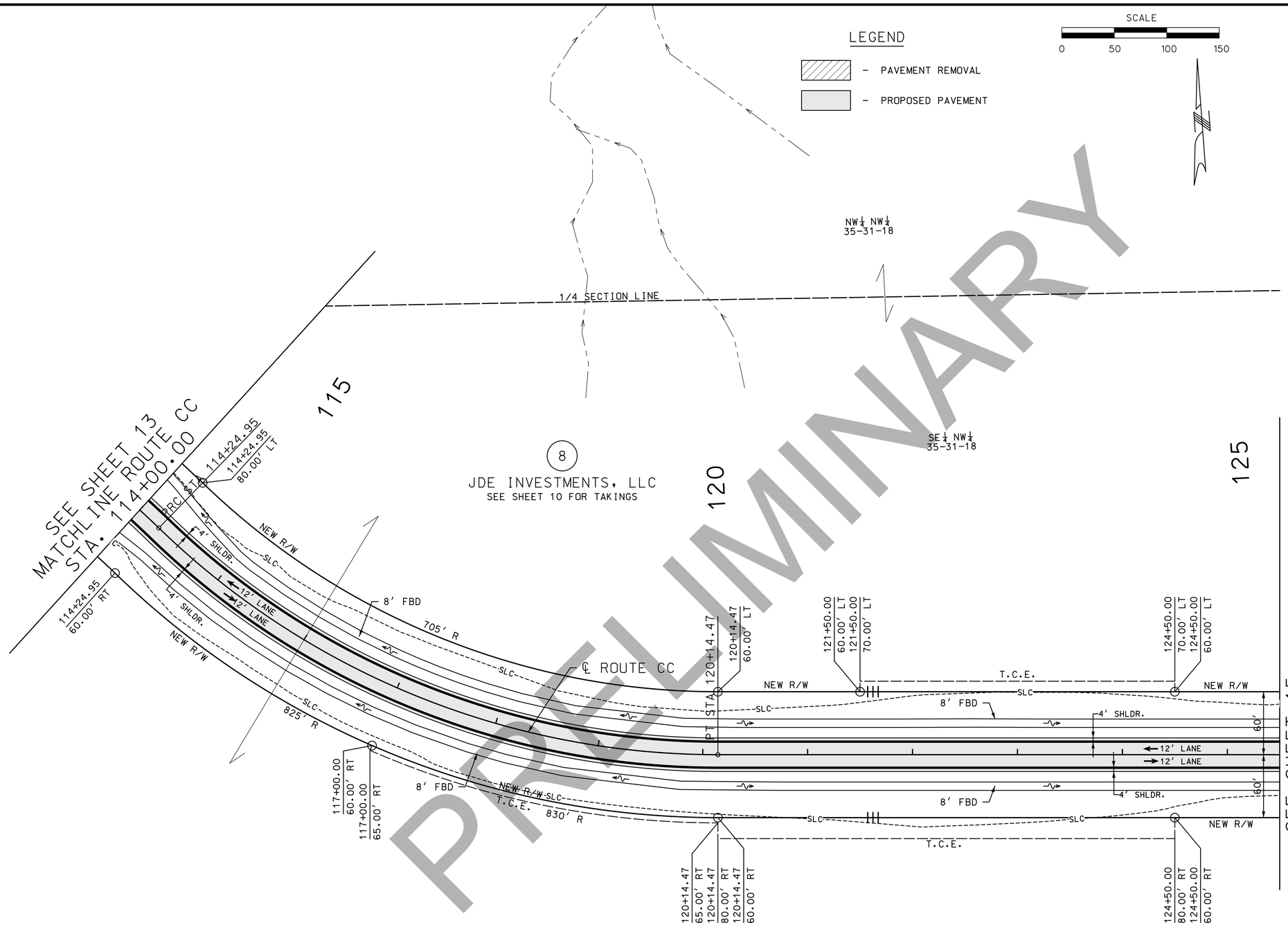
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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ENGINEERING CORPORATION - 000631

PLAN SHEET
ROUTE CC
SHEET 10 OF 15



PRELIMINARY

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DATE PREPARED: 3/11/2019
ROUTE: I-44 | STATE: MO
DISTRICT: SW | SHEET NO.: 14
COUNTY: WEBSTER
JOB NO.: J8I0445
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DATE	DESCRIPTION

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105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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PLAN SHEET
ROUTE CC
SHEET 11 OF 15

LEGEND

- PAVEMENT REMOVAL
- PROPOSED PAVEMENT

SCALE 0 50 100 150

NOTE: THE CONTRACTOR SHALL NOT UNDER ANY CIRCUMSTANCES EXTEND THE WORK OUTSIDE OF THE EASEMENT OR RIGHT-OF-WAY LIMITS ON PARCEL 9, INCLUDING STAGING OR STORAGE OF MATERIALS.

NW ¼ NW ¼ 35-31-18

(8) JDE INVESTMENTS, LLC
SEE SHEET 10 FOR TAKINGS

(9) JENKINS, DELBERT EARL
4.30 AC NEW R/W
0.07 AC TEMP. ESM'T. (CONSTRUCTION)
28.03 AC REMAINING (LEFT)
0.46 AC REMAINING (RIGHT)

(10) GREER, JOHN W & JEAN E (T)
0.72 AC NEW R/W
0.02 AC TEMP. ESM'T. (CONSTRUCTION)
101.52 AC REMAINING (RIGHT)

BEGIN CONSTRUCTION STA. 27+25.00

134+55.07 434.04' LT
133+97.74 442.86' LT
133+14.56 451.83' LT
133+18.77 402.55' LT
133+02.92 404.44' LT

1/4 SECTION LINE

50' TRANSMISSION LINE EASEMENT BK. 261 PG. 557

NEW. R/W 135+65.71 407.81' LT.

T.C.E

FENCE (DND) 135+16.84 358.78' LT.

(RBO) 134+67.84 374.75' LT.
134+39.14 321.07' LT.
NEW. R/W

STA. 135+88.95
18" CULVERT
D.A. = 2 AC
Q_{25} = 10 CFS

EXIST. R/W
PERM. ESM'T. (DRAINAGE)
8' FBD
EXIST. R/W
(RBO)
131+24.55 315.28' LT

PT STA 25+35.60
℄ RIFLE RANGE RD.
131+91.80
201.61' LT
131+84.17
202.47' LT

ROUTE CC STA.132+85.21
RIFLE RANGE STA. 22+91.38
POT STA 10+00.00

END CONSTRUCTION CC STA. 139+75.94

139+75.94 35.00' LT
139+97.23 85.00' LT
℄ STA 698+93.23

℄ EXIST. ROUTE CC

50' PLATTED BUILDING SETBACK LINE

140+00.00 35.00' RT

PT STA 137+64.35
STA. 137+13.57
24" CULVERT
D.A. = 2 AC
Q_{25} = 9 CFS
1'x6'x14' ROCK LINING

136+55.00 140.00' LT
133+57.31 220.34' LT
137+20.00 90.00' RT
136+55.00 80.95' RT
1'x4'x12' ROCK LINING
136+00.00 80.00' RT
135+60.90 70.36' RT

PC STA 23+84.92

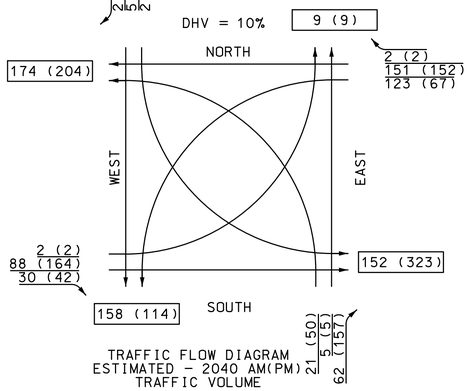
PC STA 130+68.50

ROUTE 66 PARK (SEE SHEET 51 & 52 FOR GRADING PLAN)

ROUTE 66 PARK PARKING & SIDEWALK (SEE SHEET 51 & 52 FOR GRADING PLAN)

1'x4'x12' ROCK LINING
PT STA
T.C.E.
8' FBD

DHV = 10%



TRAFFIC FLOW DIAGRAM
ESTIMATED – 2040 AM(PM)
TRAFFIC VOLUME

1	133+46.48, 140.00' LT	6	131+88.66, 142.68' RT
2	131+63.37, 60.00' LT	7	131+60.47, 60.00' RT
3	132+44.89, 158.83' RT.	8	131+47.52, 80.00' RT
4	132+37.19, 160.47' RT	9	131+00.00, 80.00' RT
5	132+36.57, 155.94' RT	10	131+00.00, 60.00' RT

SEE SHEET 14
MATCHLINE ROUTE CC
STA. 125+50.00

SEE SHEET 16
MATCHLINE RIFLE RANGE RD
STA. 21+00.00

PREL
PRELIMINARY

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DATE PREPARED	3/11/2019
ROUTE	I-44
STATE	MO
DISTRICT	SW
SHEET NO.	15
COUNTY	WEBSTER
JOB NO.	J8I0445
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

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DESCRIPTION | DATE

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

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PLAN SHEET
ROUTE CC
SHEET 12 OF 15

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LEGEND

– PAVEMENT REMOVAL

– PROPOSED PAVEMENT

SCALE

0 50 100 150

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50' PLATTED EASEMENT

EXIST. ESM'T

EXIST R/W

EXIST. ESM'T

EXIST R/W

EXIST. ESM'T

30

2'x10'x20' ROCK LINING
STA. 19+44.76
42" CULVERT
D.A. = 7.7 AC
Q_{25} = 26 CFS

1'x6'x14' ROCK LINING

133+10.23
394.67' LT

133+64.33
215.66' RT

133+65.63
281.94' RT

F69

F71

NEW R/W

PC STA 19+35.09

PT STA 18+52.78

PT STA 688+38.51

132+22.56
486.13' RT

132+00.45
516.26' RT

T.C.E.

END CONSTRUCTION STA. 17+10.00 RIFLE RANGE =
STA. 687+45.73 HUBBLE DRIVE

60' BREAK IN ACCESS

10

GREER, JOHN W & JEAN E (T)
SEE SHEET 15 FOR TAKINGS

NW¼ SE¼
35-31-18

50' PLATTED BUILDING SETBACK LINE

SW¼ NE¼
35-31-18

OE

1/4 SECTION LINE

7 131+94.01, 557.87' RT

8 131+88.83, 546.46' RT

9 131+87.92, 545.86' RT

10 131+70.94, 594.74' RT

NE¼ SW¼
35-31-18

ELECTRIC EASEMENT
BK. 144 PG. 538

℄ EXIST. E. HUBBLE DRIVE

JOHNSTON, JOSEPH W.
NO TAKING

EXIST. R/W

F70

F95

F96

C87

185' R

175' R

24" CULVERT
D.A. = 6.93 AC
Q_{25} = 23.30 CFS

STA. 20+33.66

SLC

NEW R/W

EXIST. ESMT.

NEW R/W SLC

EXIST. RIFLE RANGE RD.

SHOMME PONDS

WEBSTER ELECTRIC

1'x4'x12' ROCK LINING

SE¼ NW¼
35-31-18

131+25.26
624.13' RT

ROUTE 66 PARK ENTRANCE DRIVE
(SEE SHEET 51 & 52 FOR DETAILS)

50' TRANSMISSION LINE EASEMENT
BK. 261 PG. 557

1 132+21.04, 302.05' RT

2 132+15.50, 296.67' RT

3 132+03.75, 326.21' RT

4 132+09.02, 331.79' RT

5 131+69.05, 450.77' RT

6 131+58.76, 447.99' RT

JENKINS, DELBERT EARL
SEE SHEET 15 FOR TAKINGS

SEE SHEET 15 RIFLE RANGE RD STA. 21+00.00 MATCHLINE

15

8

JDE INVESTMENTS, LLC
SEE SHEET 10 FOR TAKING

1/4 SECTION LINE

PC STA 680+35.73
EX RTE CC / HUBBLE DR
= STA 10+00.00
RIFLE RANGE RD

10

TERRILL, EARL RAY & ANNETTE ELIZABETH
NO TAKING

PLAN SHEET

HUBBLE DRIVE
SHEET 13 OF 15

PRELIMINARY

DATE PREPARED
3/11/2019

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
SW	16

COUNTY
WEBSTER

JOB NO.
J8I0445

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

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ENGINEERING CORPORATION - 000631

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NOTE: RIGHT-OF-WAY CALLOUTS ON SHEETS 17-18 REFERENCE ELM STREET STATIONING.

SCALE
0 50 100 150

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LEGEND

- PAVEMENT REMOVAL
- PROPOSED PAVEMENT

(8) JDE INVESTMENTS, LLC

SEE SHEET 10 FOR TAKINGS

(11) CITY OF MARSHFIELD
3.25 AC NEW R/W - CITY
2.95 AC TEMP. ESM'T. (CONSTRUCTION) - CITY
43.35 AC REMAINING (LEFT)
7.05 AC REMAINING (RIGHT)

SW¼ NW¼ 35-31-18

NW¼ SW¼ 35-31-18

NE¼ SE¼ 34-31-18

SE¼ NE¼ 34-31-18

1/2 SECTION LINE

15 | 20 | 25

℄ ELM ST.

SEE SHEET 13 MATCHLINE ELM ST. STA. 14+00.00

SEE SHEET 18 MATCHLINE ELM ST. STA. 26+50.00

STA. 18+06.16
2 - 42" PIPES
D.A. = 29.61 AC
Q_m = 88.21 CFS

STA. 25+76.36
24" CULVERT
D.A. = 5.64 AC
Q_m = 18.08 CFS

15+10.00 108.00' LT.

21+40.00 108.00' LT.

21+40.00 98.00' LT.

23+38.66 83.00' LT.

GRADING FOR FUTURE LANE

8' FBD T.C.E.

PERM. ESMT. (DRAINAGE & TRAIL)

SLC

10' M.U.T.

NEW R/W

F73-1 F73 F72-1 F72 F74

C88 C89 C90

1495'R ±41.28 1505'R 43' ±96.67 1495'R ±73.84 ±42.12 1495'R ±19.30 1505'R ±74.68 1495'R ±14.68 V-DITCH 3005'R ±51.26 2995'R ±60.61 ±12.99

10' LANE
10' LANE
47'

ELM ST.

4' SHLDR.

SLF

2.5'x25'x35' ROCK LINING

1'x6'x14' ROCK LINING

T.C.E

14+65.00 77.00' RT.
14+00.00 92.00' RT.
17+30.00 47.00' RT
17+30.00 92.00' RT
17+30.00 107.00' RT
17+95.00 107.00' RT
17+95.00 85.00' RT
17+95.00 47.00' RT
25+20.00 47.00' RT
25+20.00 85.00' RT.
25+80.00 85.00' RT.
25+80.00 72.00' RT.
25+80.00 47.00' RT.

1 17+95.00, 43.00' LT.
2 17+95.00, 78.00' LT.
3 17+95.00, 88.00' LT.
4 18+80.00, 88.00' LT.
5 18+80.00, 83.00' LT.
6 18+80.00, 43.00' LT.

DESTINY CHURCH INC.
NO TAKINGS

PRELIMINARY

DATE PREPARED 3/11/2019
ROUTE I-44 | STATE MO
DISTRICT SW | SHEET NO. 17
COUNTY WEBSTER
JOB NO. J8I0445
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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PLAN SHEET
ELM STREET
SHEET 14 OF 15

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LEGEND

- PAVEMENT REMOVAL
- PROPOSED PAVEMENT

SCALE
0 50 100 150

11
CITY OF MARSHFIELD
SEE SHEET 17 FOR TAKINGS

FUTURE MARSHFIELD
AQUATIC AND ACTIVITY CENTER
(BY OTHERS)

NW¼ SW¼
35-31-18

SEE SHEET 17
MATCHLINE ELM ST.
STA. 26+50.00

STORM PIPE (BY OTHERS)
EX. UNDERGROUND ELECTRIC
PROPOSED DRIVEWAY (BY OTHERS)
24" PIPE (BY OTHERS)
EX. FORCE MAIN
STA. 32+77.12
24" CULVERT
D.A. = 5.82 AC
Q_{25} = 19.35 CFS
T.C.E
SLC
8' FBD
1495'R
10' M.U.T.
NEW R/W
1505'R
V-DITCH
GRADING FOR FUTURE LANE
ELM ST.
10' LANE
10' LANE
SLF
T.C.E
4' SHLDR.
1'x6' x14' ROCK LINING
663'R
495'R
305'R
573'R
540' R
687' R
F75
F76
T.C.F
SECTION LINE
FUTURE CITY RIGHT-OF-WAY (BY OTHERS)
CONNECT M.U.T TO EX. DRIVEWAY
END CONSTRUCTION
STA. 35+40.65
PROPOSED ELM ST. (BY OTHERS)
FUTURE CITY RIGHT-OF-WAY (BY OTHERS)
℄ ELM ST.
30
35
NE¼ SE¼
34-31-18

31+26.33	43.00' LT	31+26.33	98.00' LT	PC STA 31+26.33	32+78.08	43.00' LT	32+78.08
98.00' LT	PRC STA 32+78.08	34+25.87	43.00' LT	PT STA 34+25.87	34+25.87	98.00' LT	35+40.65
43.00' LT	36+13.52	98.00' LT	36+13.52	43.00' LT			

31+00.00	147.00' RT	31+26.33	47.00' RT	31+00.00	72.00' RT	32+00.00	47.00' RT
32+00.00	80.00' RT	32+60.00	80.00' RT	32+60.00	47.00' RT	32+78.08	47.00' RT
33+00.00	127.00' RT	33+00.00	67.00' RT	34+25.87	67.00' RT	34+25.87	47.00' RT
35+40.65	67.00' RT	35+40.65	47.00' RT				

DESTINY CHURCH INC.
NO TAKINGS

PRELIMINARY

PLAN SHEET
ELM STREET
SHEET 15 OF 15

DATE PREPARED 3/11/2019
ROUTE I-44 | STATE MO
DISTRICT SW | SHEET NO. 18
COUNTY WEBSTER
JOB NO. J8I0445
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

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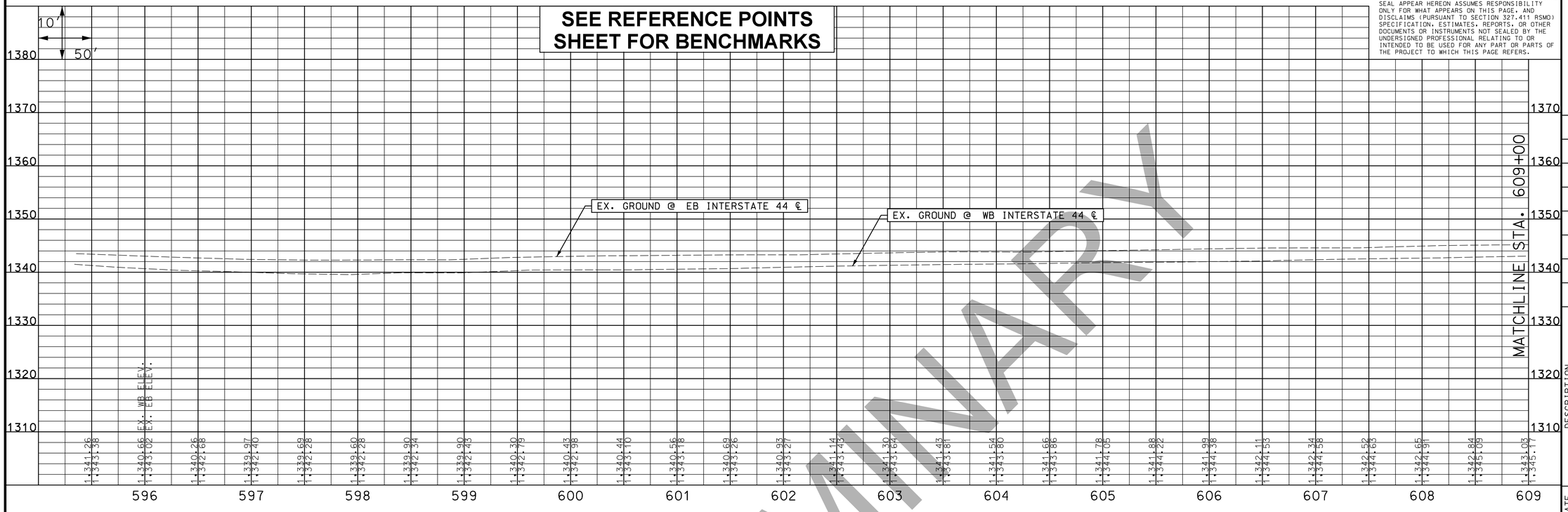
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JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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SEE REFERENCE POINTS SHEET FOR BENCHMARKS

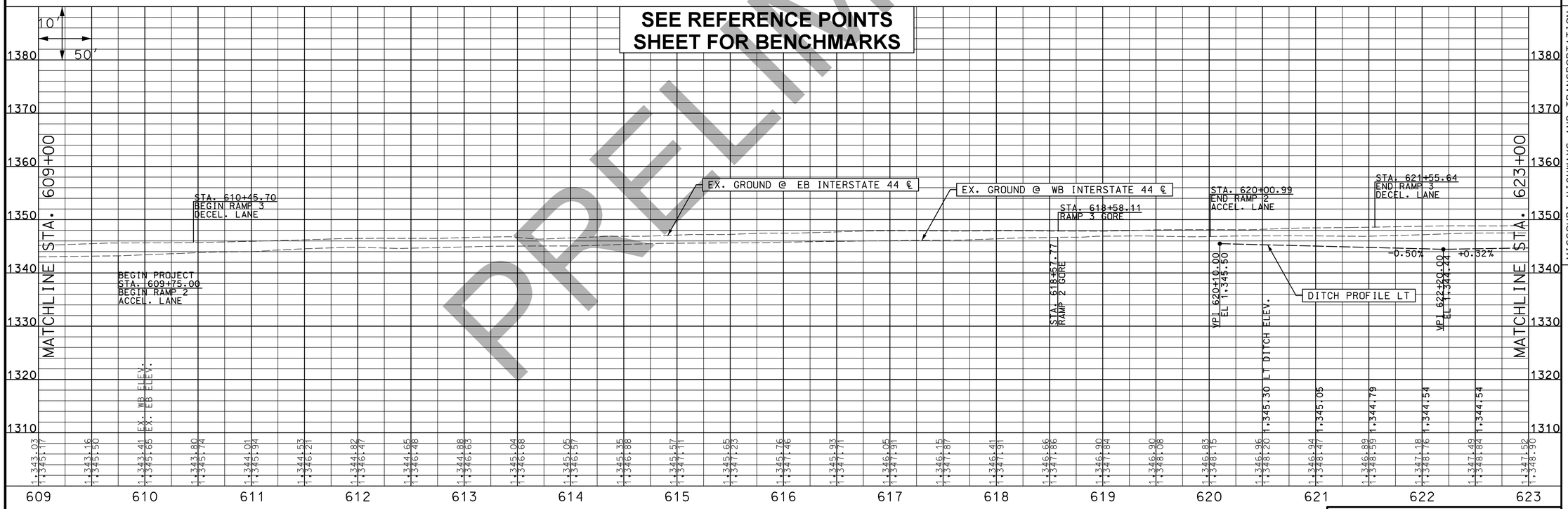
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PRELIMINARY

INTERSTATE 44 | PROFILE SHEET

DATE PREPARED	
3/11/2019	
ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
SW	19
COUNTY	
WEBSTER	
JOB NO.	
J8I0445	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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SEE REFERENCE POINTS SHEET FOR BENCHMARKS

ROUTE CC BRIDGE OVER I-44

EX. GROUND @ WB INTERSTATE 44 ℄

EX. GROUND @ EB INTERSTATE 44 ℄

DITCH PROFILE LT

DITCH PROFILE RT

VPI 623+20.00 EL 1,344.76

VPI 628+35.00 EL 1,355.16

VPI 629+45.00 EL 1,352.00

VPI 629+56.00 EL 1,352.11

VPI 629+77.81 EL 1,359.38

VPI 631+60.00 EL 1,362.75

VPI 631+60.00 EL 1,363.60

VPI 631+90.00 EL 1,355.54

VPI 632+00.00 EL 1,354.50

VPI 632+35.00 EL 1,355.00

VPI 633+75.00 EL 1,362.21

VPI 635+35.00 EL 1,363.50

VPI 635+90.00 EL 1,371.77

-2.87%, +1.00%, +33.33%, -22.15%, -74.05%, +1.43%, +3.61%, +A.2%, +3.61%, +0.81%, +0.81%, +2.42%

MATCHLINE STA. 623+00

MATCHLINE STA. 637+00

EX. WB ELEV.
EX. EB ELEV.

1,347.52 1,348.90 1,344.70
1,347.80 1,349.30
1,348.38 1,349.65
1,349.04 1,350.11
1,349.58 1,350.97
1,350.23 1,351.80
1,351.27 1,352.72
1,352.30 1,353.72
1,353.38 1,354.77
1,354.45 1,355.98
1,355.55 1,357.13
1,356.58 1,358.24 1,354.73
1,357.61 1,359.29 1,353.29
1,358.77 1,360.35 1,352.05
1,359.98 1,361.52
1,361.05 1,362.57
1,363.34 1,364.56
1,364.42 1,365.89 1,354.50 RT DITCH ELEV. 1,355.90 LT DITCH ELEV.
1,365.60 1,366.95 1,355.71 1,357.70
1,366.60 1,367.97 1,358.07 1,359.50
1,367.70 1,368.91 1,360.43 1,361.31
1,368.91 1,370.38 1,362.79 1,362.41
1,370.02 1,371.26 1,365.16 1,362.81
1,371.05 1,372.69 1,367.52 1,363.22
1,372.07 1,373.91 1,369.88 1,363.86
1,373.09 1,374.80 1,365.07
1,374.12 1,375.52 1,366.29
1,375.11 1,376.58

623 624 625 626 627 628 629 630 631 632 633 634 635 636 637

SEE REFERENCE POINTS SHEET FOR BENCHMARKS

EX. GROUND @ EB INTERSTATE 44 ℄

EX. GROUND @ EB INTERSTATE 44 ℄

DITCH PROFILE LT

DITCH PROFILE RT

DITCH PROFILE LT

DITCH PROFILE RT

STA. 639+26.79 BEGIN RAMP 4 DECEL. LANE

STA. 639+12.13 BEGIN RAMP 4 ACCEL. LANE

STA. 640+22.74 RAMP 4 GORE

STA. 642+26.81 RAMP 4 GORE

STA. 643+10.00 END RAMP 4 ACCEL. LANE

VPI 639+35.00 EL 1,373.90

VPI 640+15.00 EL 1,375.13

VPI 640+95.00 EL 1,375.40

VPI 641+16.13 EL 1,374.16

VPI 642+60.00 EL 1,374.18

VPI 642+49.00 EL 1,376.11

VPI 645+15.00 EL 1,366.96

VPI 649+00.00 EL 1,359.08

VPI 651+00.00 EL 1,352.50

+2.42%, +2.42%, +0.59%, -0.96%, +9.18%, -2.05%, -3.28%, -3.28%

MATCHLINE STA. 637+00

MATCHLINE STA. 651+00

RT DITCH ELEV.
LT DITCH ELEV.

EX. WB ELEV.
EX. EB ELEV.

1,375.11 1,376.58 1,367.50
1,376.11 1,377.27 1,368.71
1,377.10 1,377.91 1,369.92
1,377.34 1,378.23 1,371.13
1,377.57 1,378.64 1,372.34
1,377.67 1,378.89 1,373.55
1,377.72 1,378.93 1,374.76
1,377.84 1,378.72 1,375.33
1,377.68 1,378.57
1,377.37 1,377.39 1,374.12
1,377.01 1,377.38 1,373.64
1,376.43 1,376.73 1,373.26
1,375.61 1,375.78
1,374.73 1,374.81
1,373.79 1,373.85
1,372.71 1,372.80
1,371.68 1,371.84
1,370.83 1,370.86 1,366.24
1,369.90 1,369.96 1,365.22
1,368.79 1,368.95 1,364.19
1,367.81 1,367.85 1,363.16
1,366.76 1,366.89 1,362.14
1,365.86 1,365.91 1,361.11
1,364.72 1,364.79 1,360.09
1,363.92 1,363.81 1,359.06
1,362.85 1,362.85 1,357.42
1,361.84 1,361.87 1,355.78
1,360.87 1,360.84 1,354.14
1,359.81 1,359.76

637 638 639 640 641 642 643 644 645 646 647 648 649 650 651

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ROUTE: I-44
STATE: MO
DISTRICT: SW
SHEET NO.: 20
COUNTY: WEBSTER
JOB NO.: J8I0445
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DATE | DESCRIPTION

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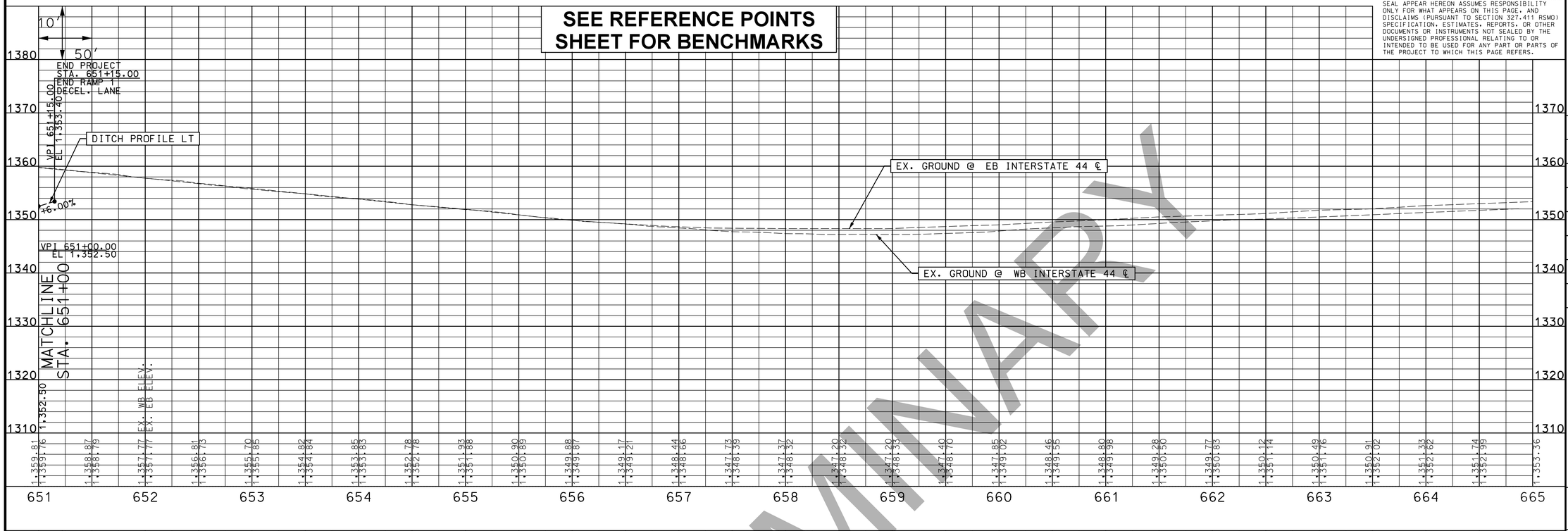
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ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
SW	21

COUNTY
WEBSTER

JOB NO.
J8I0445

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

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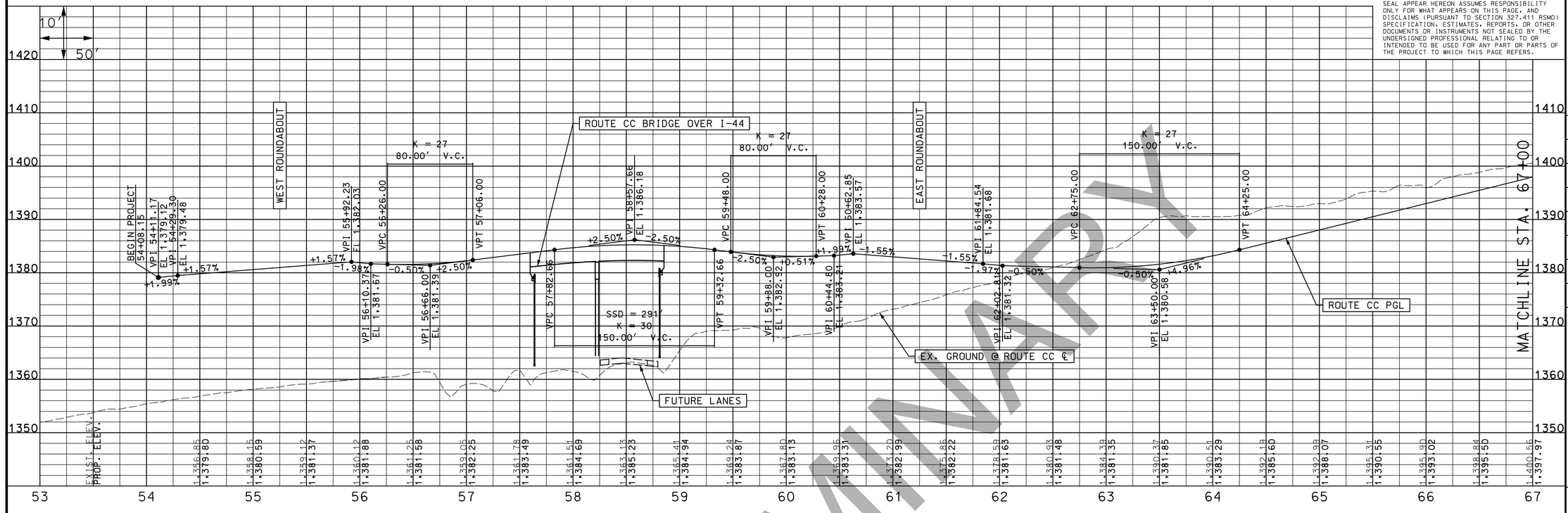
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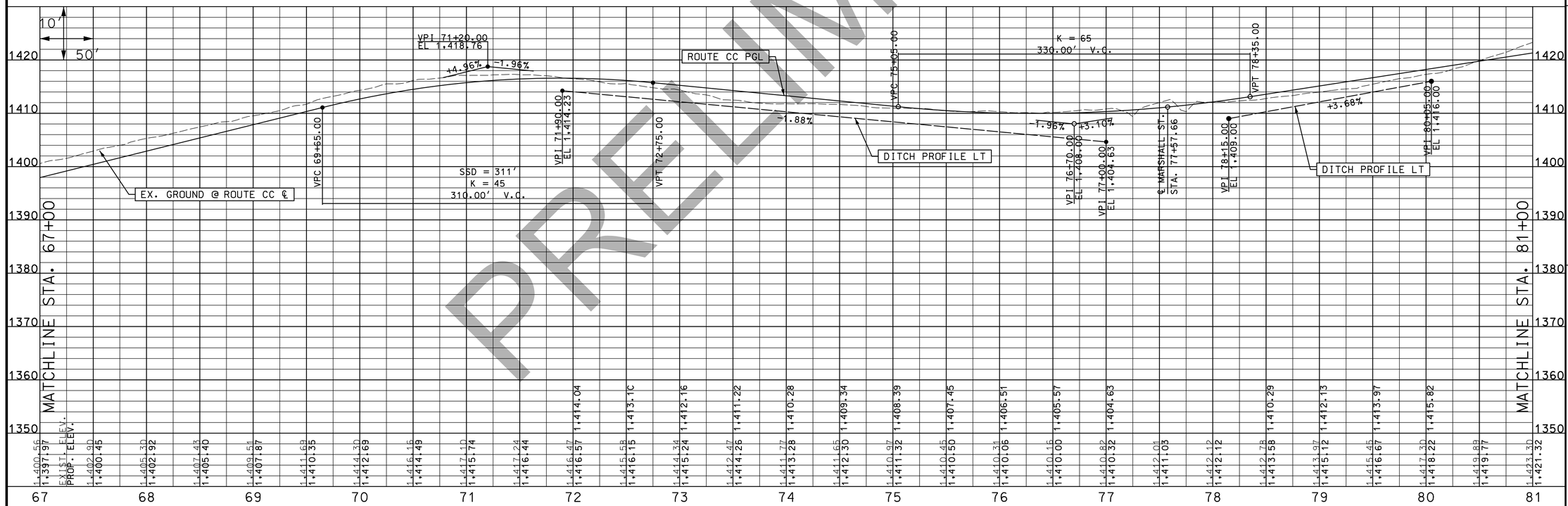
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DESCRIPTION	DATE

DATE PREPARED
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ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
SW	22

COUNTY
WEBSTER

JOB NO.
J8I0445

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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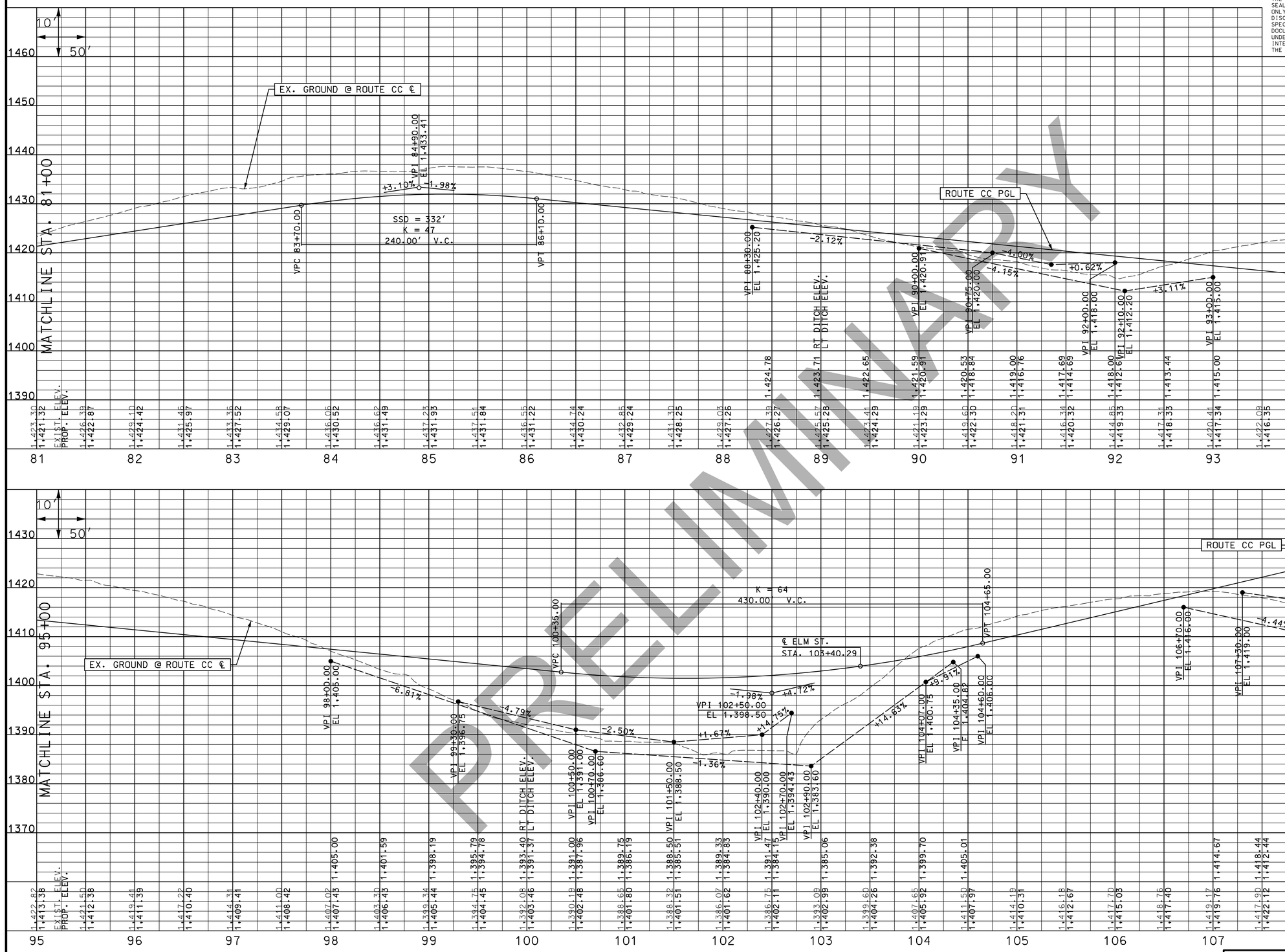
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ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
SW	23

COUNTY
WEBSTER

JOB NO.
J8I0445

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE | DESCRIPTION

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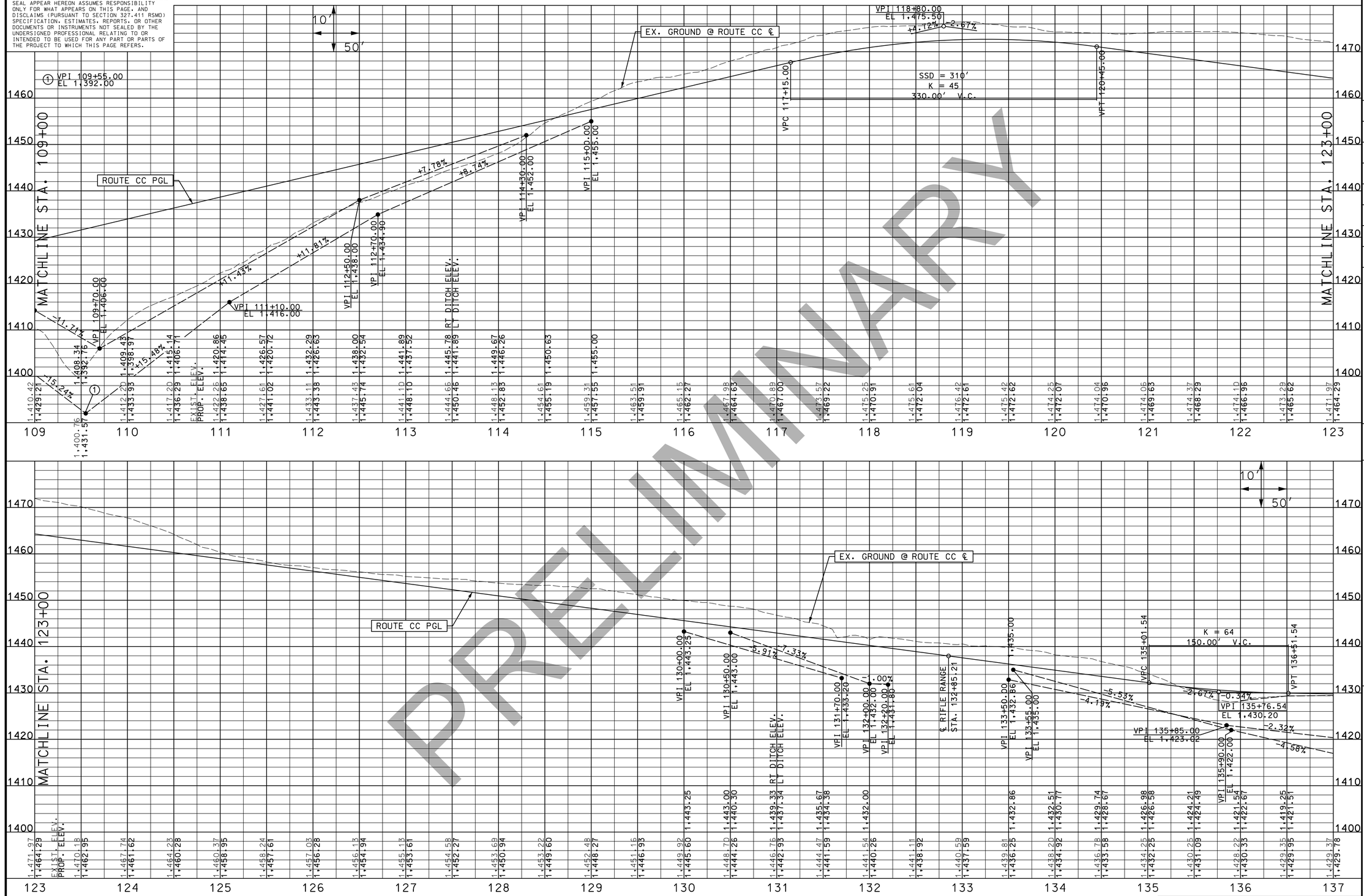
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ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
SW	24

COUNTY
WEBSTER

JOB NO.
J8I0445

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

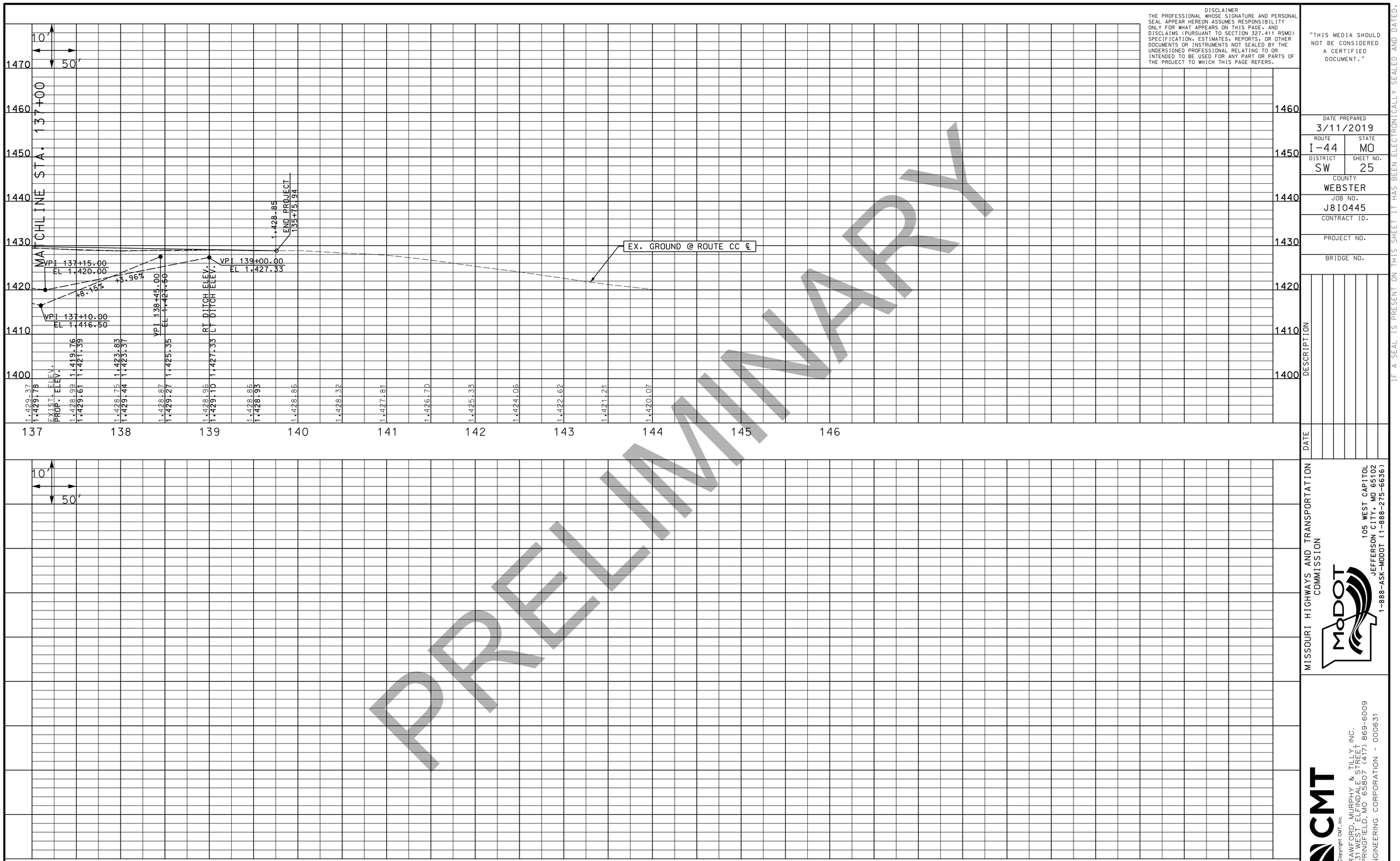
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ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
SW	25

COUNTY
WEBSTER

JOB NO.
J8I0445

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

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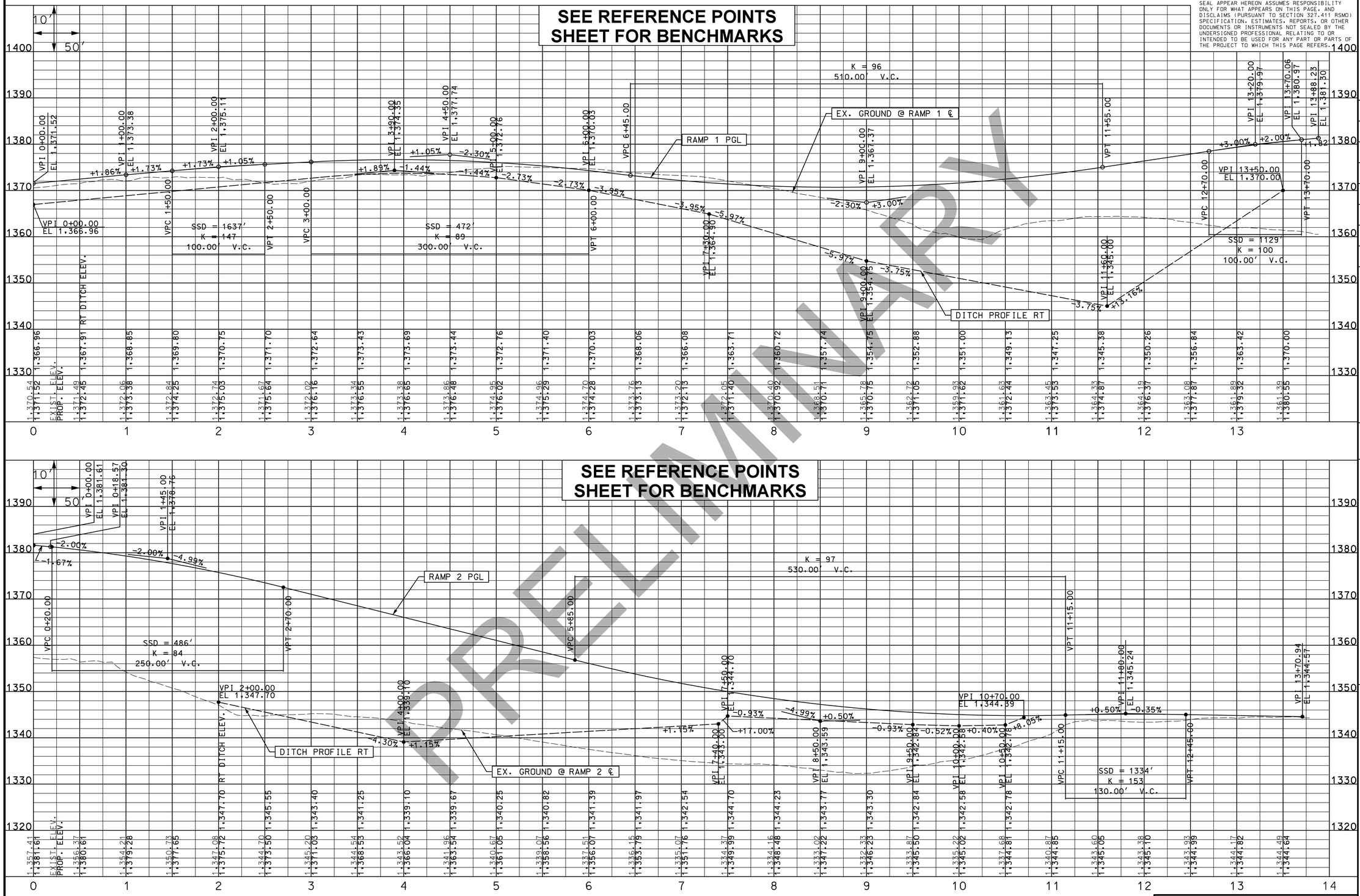
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SEE REFERENCE POINTS SHEET FOR BENCHMARKS



PRELIMINARY

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RAMPS 1 & 2 — PROFILE SHEET

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ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
SW	26

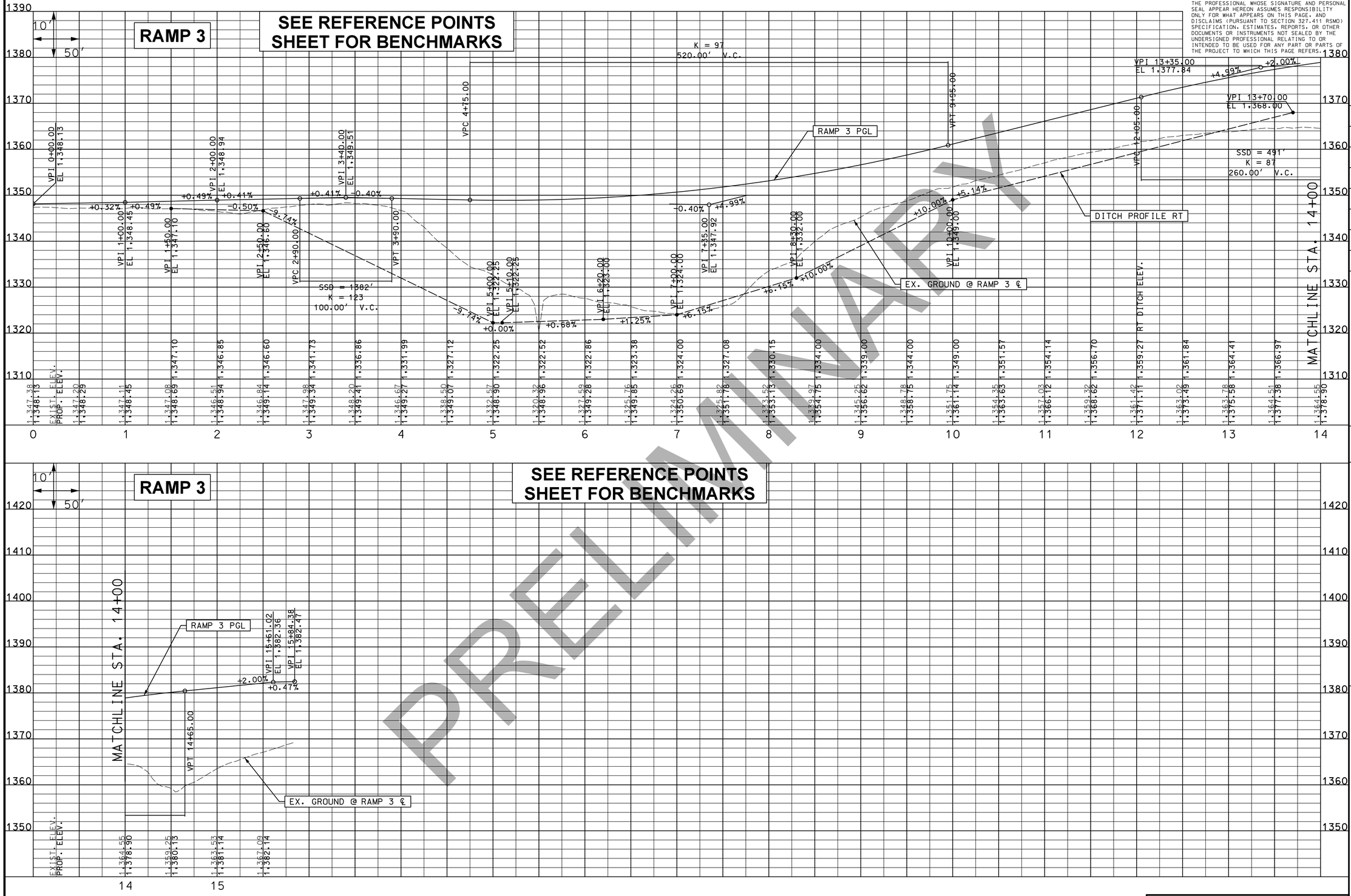
COUNTY: WEBSTER
JOB NO.: J8I0445
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DATE	DESCRIPTION

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RAMP 3

SEE REFERENCE POINTS SHEET FOR BENCHMARKS



RAMP 3

SEE REFERENCE POINTS SHEET FOR BENCHMARKS

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DISTRICT: SW | SHEET NO.: 27
COUNTY: WEBSTER
JOB NO.: J8I0445
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

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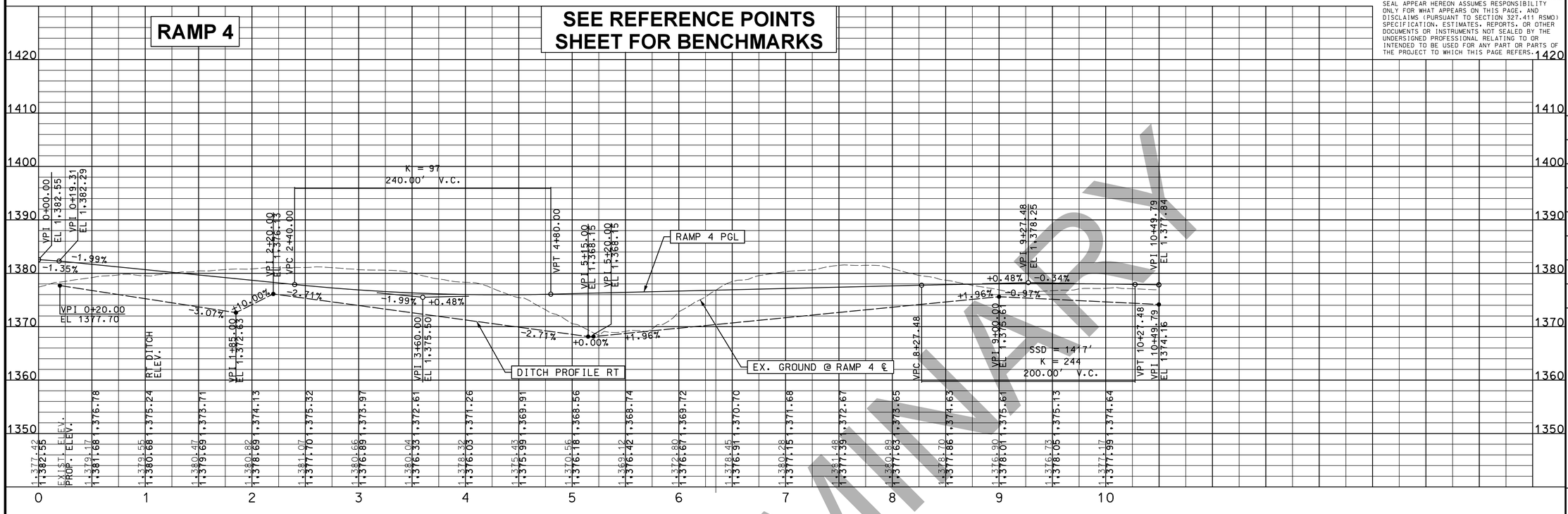
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RAMP 3 | PROFILE SHEET

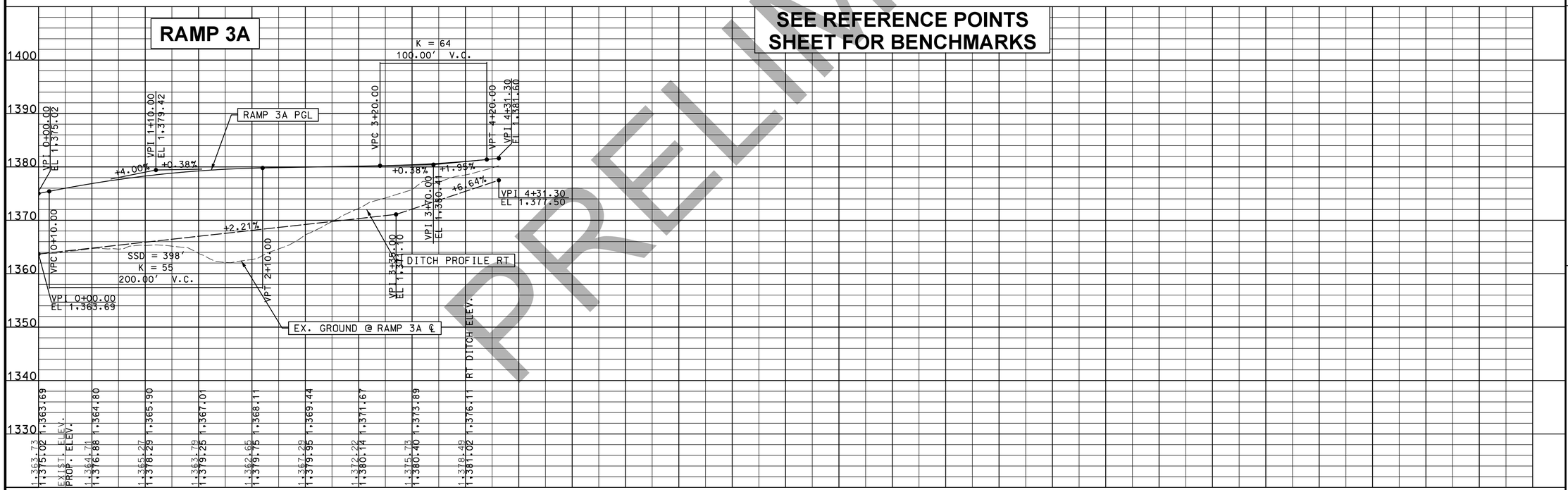
RAMP 4

SEE REFERENCE POINTS SHEET FOR BENCHMARKS



RAMP 3A

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ROUTE: I-44 | STATE: MO
DISTRICT: SW | SHEET NO.: 28
COUNTY: WEBSTER
JOB NO.: J8I0445
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

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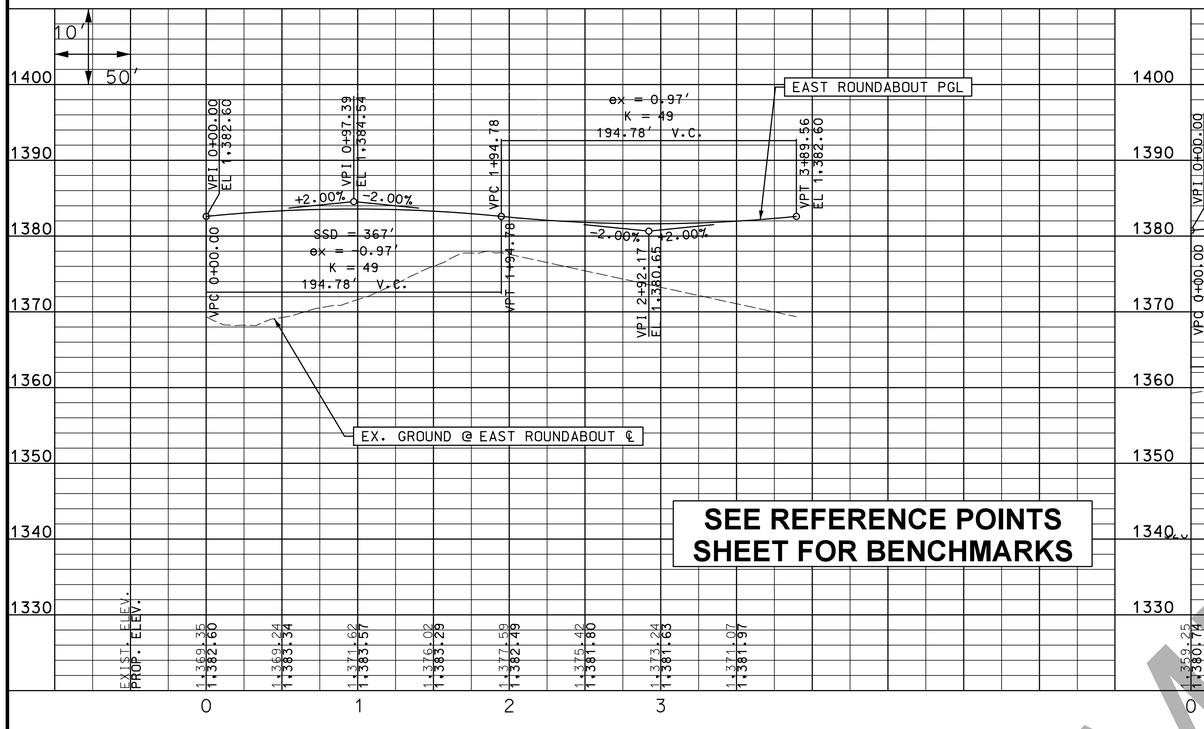
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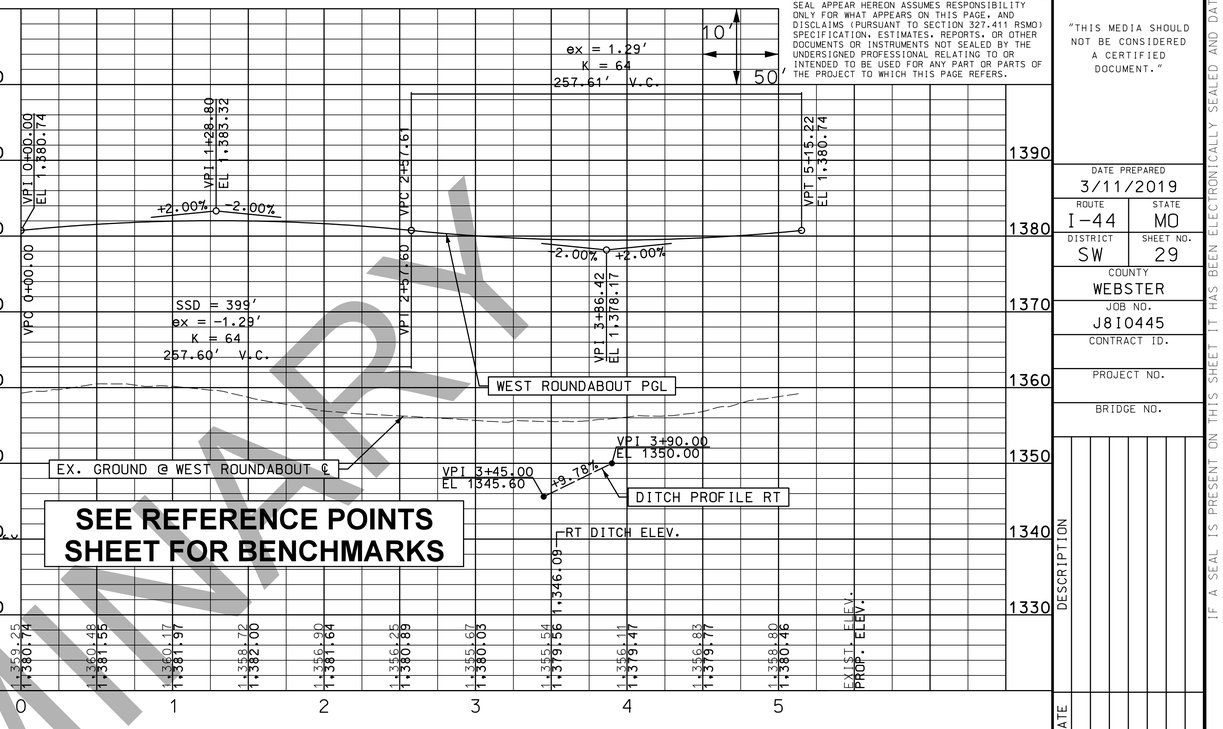
RAMPS 4 & 3A | PROFILE SHEET

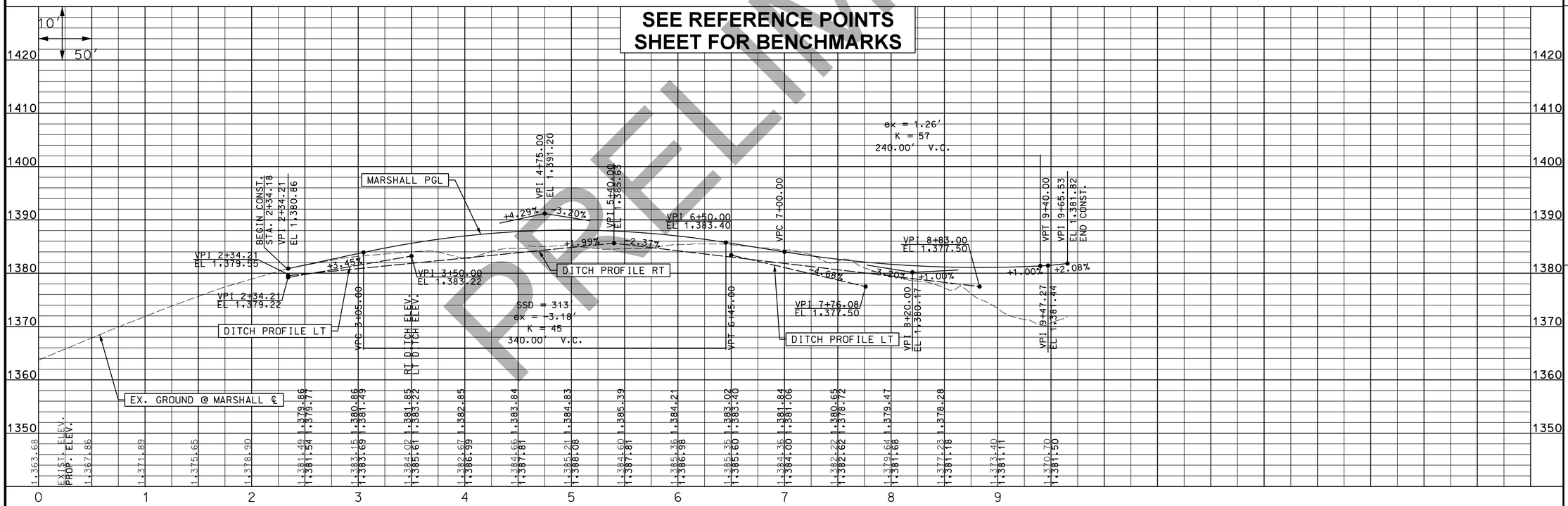
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PRELIMINARY

ROUNDABOUTS / MARSHALL ROAD

PROFILE SHEET

DATE	DESCRIPTION

DATE PREPARED
3/11/2019

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
SW	29

COUNTY
WEBSTER

JOB NO.
J8I0445

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

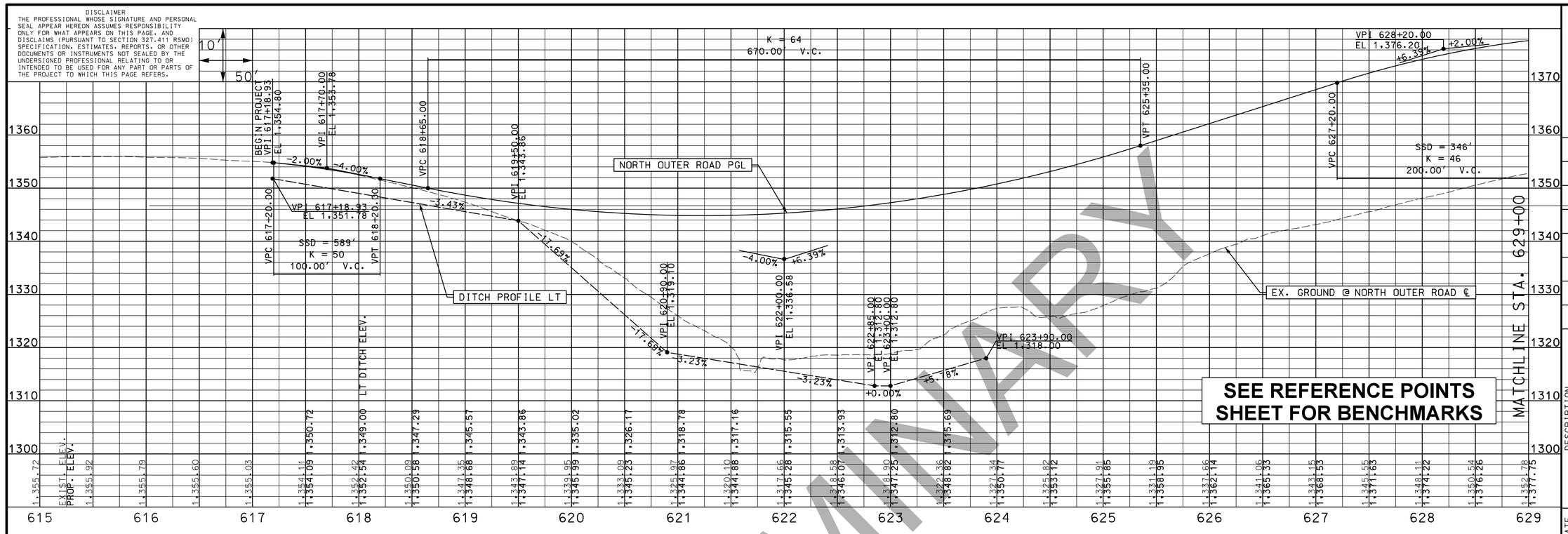
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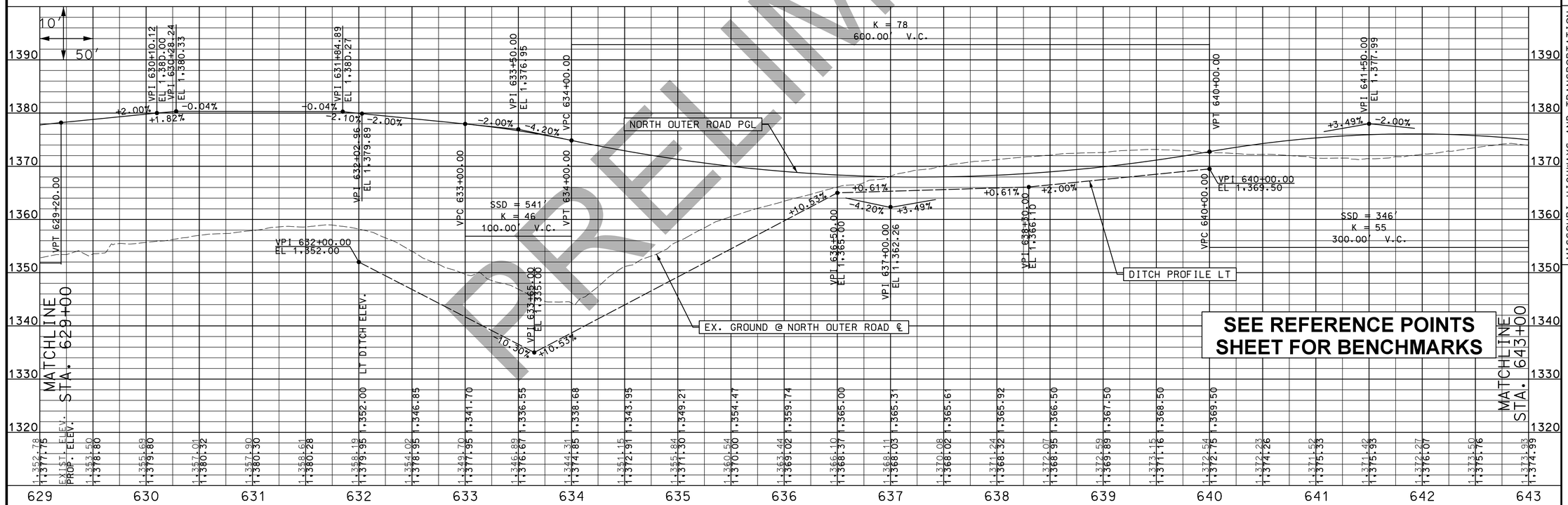
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DATE PREPARED
3/11/2019

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
SW	30

COUNTY
WEBSTER

JOB NO.
J8I0445

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

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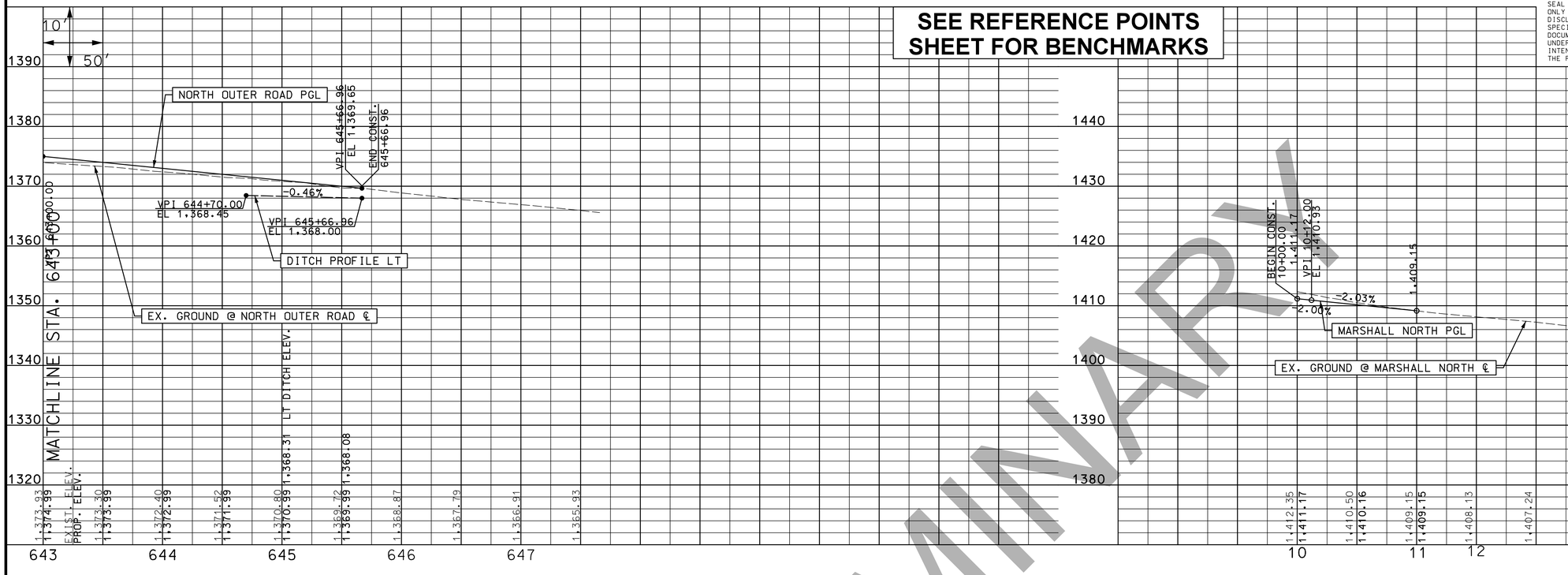
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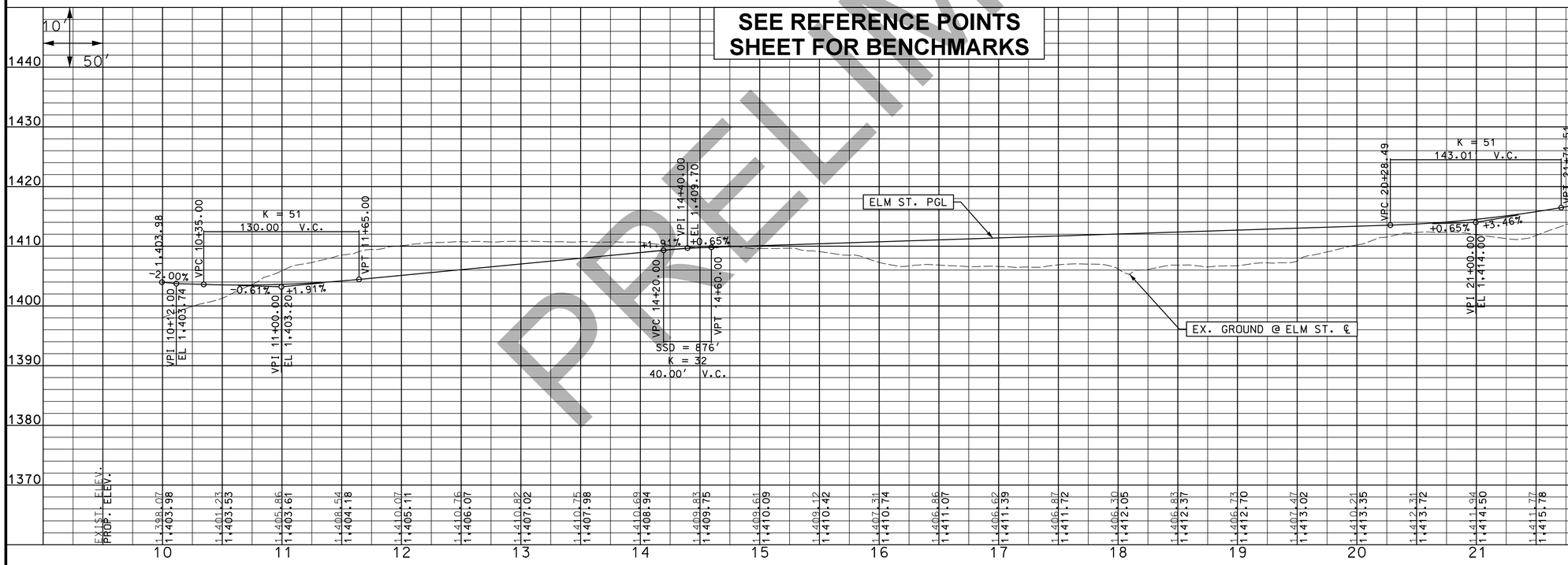
NORTH OUTER ROAD | PROFILE SHEET

SEE REFERENCE POINTS SHEET FOR BENCHMARKS

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SEE REFERENCE POINTS SHEET FOR BENCHMARKS



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DATE PREPARED 3/11/2019

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
SW	31

COUNTY: WEBSTER
JOB NO.: J8I0445
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DATE | DESCRIPTION

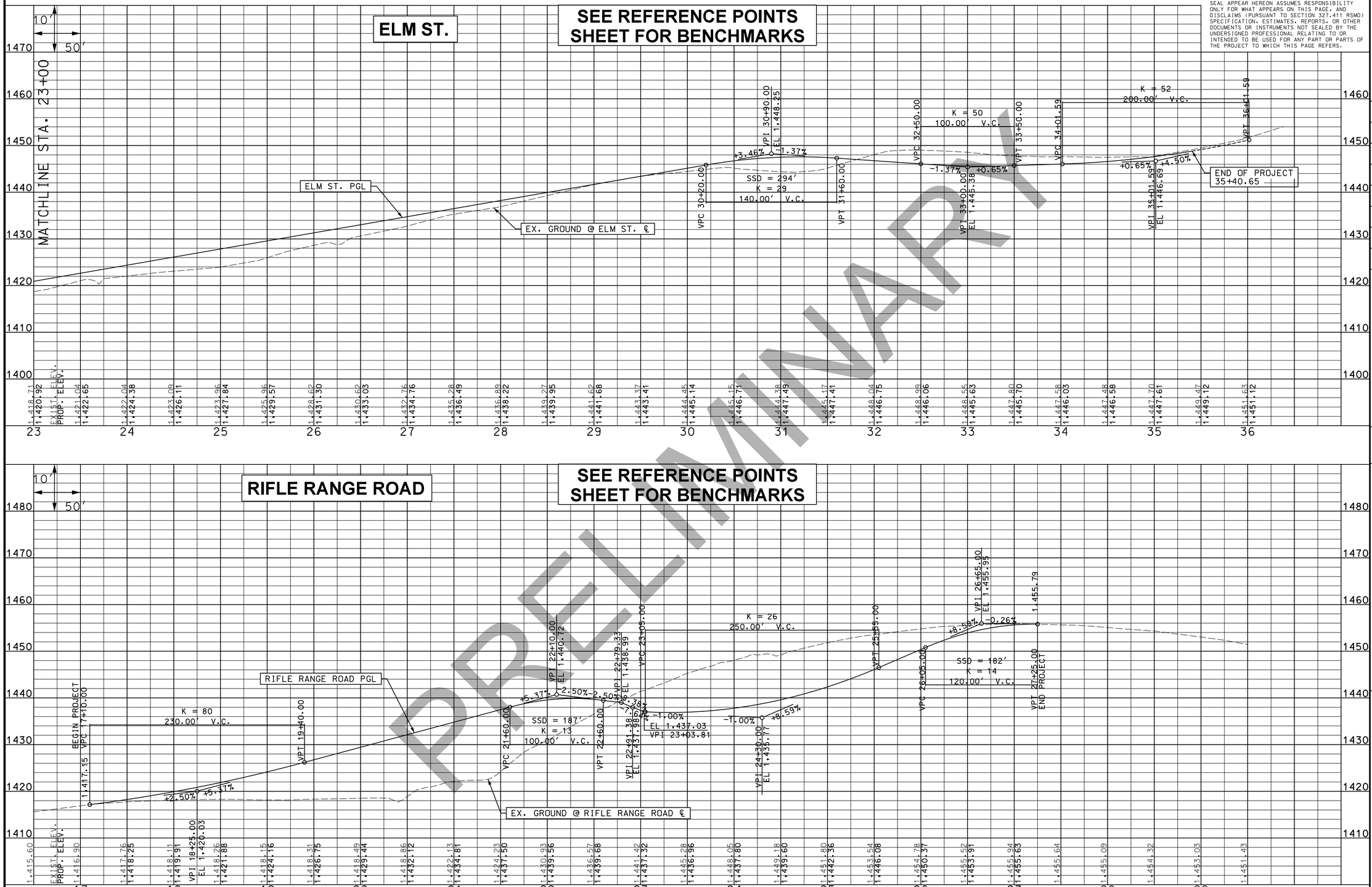
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NORTH OUTER ROAD / MARSHALL ROAD NORTH / ELM STREET

PROFILE SHEET



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DATE PREPARED
3/11/2019

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
SW	32

COUNTY
WEBSTER

JOB NO.
J8I0445

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

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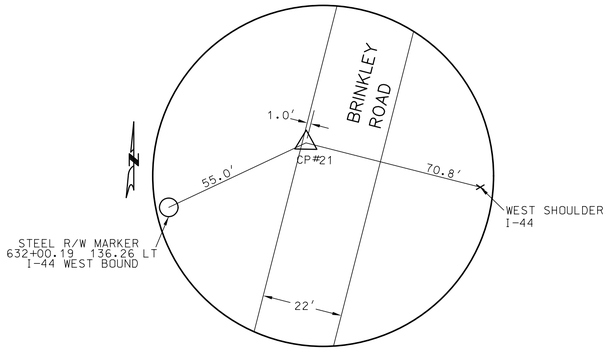
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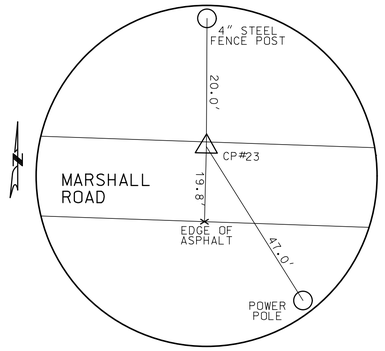
ELM STREET / RIFLE RANGE ROAD

PROFILE SHEET

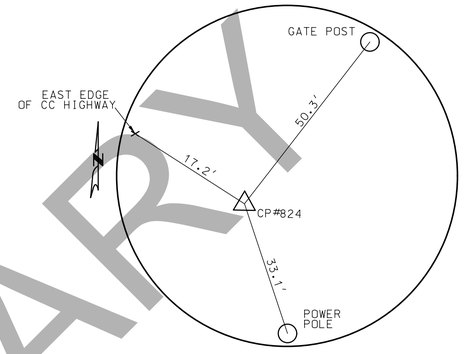
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CONTROL POINT #21
N: 558060.8102
E: 1521693.0123
EL. 1364.24
STA. 632+35.09, 93.70' LT. (WEST BOUND I-44)
MAG NAIL W/PLASTIC SHINER IN ASPHALT



CONTROL POINT #23
N: 557808.1075
E: 15236070.1773
EL. 1418.41
STA. 633+27.19, 1239.43' RT. (EAST BOUND I-44)
MAG NAIL W/PLASTIC SHINER IN ASPHALT



CONTROL POINT #824
N: 556495.5253
E: 1528979.3738
EL. 1409.00
STA. 685+42.22, 29.21' RT. (CC HIGHWAY)
5/8" IRON PIN CAPPED LS 281D

PRELIMINARY

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DATE PREPARED 3/11/2019
ROUTE I-44 | STATE MO
DISTRICT SW | SHEET NO. 33
COUNTY WEBSTER
JOB NO. J8I0445
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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REFERENCE POINTS

CURVE ROUTE_CC-1	
PI	23+52.84
PC	20+29.35
PRC	26+41.45
Δ	45° 50′ 40.1″ (RT)
D	7° 29′ 22.7″
L	612.10′
T	323.50′
R	765.00′
DS	40 MPH
e	NC (LSU)

CURVE ROUTE_CC-2	
PI	29+52.69
PRC	26+41.45
PT	32+32.64
Δ	44° 16′ 41.3″ (LT)
D	7° 29′ 22.7″
L	591.19′
T	311.24′
R	765.00′
DS	40 MPH
e	NC (LSU)

CURVE ROUTE_CC-3	
PI	44+80.62
PC	39+93.77
PRC	48+60.91
Δ	64° 56′ 45.4″ (RT)
D	7° 29′ 22.7″
L	867.14′
T	486.85′
R	765.00′
DS	40 MPH
e	NC (LSU)

CURVE ROUTE_CC-4	
PI	50+27.84
PRC	48+60.91
PT	51+72.44
Δ	50° 59′ 51.0″ (LT)
D	16° 22′ 12.8″
L	311.53′
T	166.93′
R	350.00′
DS	30 MPH
e	NC (LSU)

CURVE ROUTE_CC-5	
PI	64+45.33
PC	63+38.37
PT	65+50.92
Δ	15° 55′ 10.1″ (RT)
D	7° 29′ 22.7″
L	212.55′
T	106.97′
R	765.00′
DS	40 MPH
e	NC (LSU)

CURVE C7	
PI	XXX
PC	0+00.00
PCC	1+94.78
Δ	180° 00′ 00.0″ (LT)
D	92° 24′ 45.2″
L	194.78′
T	Undefined
R	62.00′

CURVE C8	
PI	XXX
PCC	1+94.78
PT	3+89.56
Δ	180° 00′ 00.0″ (LT)
D	92° 24′ 45.2″
L	194.78′
T	Undefined
R	62.00′

CURVE C9	
PI	XXX
PC	0+00.00
PCC	2+57.61
Δ	180° 00′ 00.0″ (LT)
D	69° 52′ 22.4″
L	257.61′
T	Undefined
R	82.00′

CURVE C10	
PI	XXX
PCC	2+57.61
PT	5+15.22
Δ	180° 00′ 00.0″ (LT)
D	69° 52′ 22.4″
L	257.61′
T	Undefined
R	82.00′

CURVE RAMP1-1	
PI	1+68.62
PC	0+00.00
PRC	3+36.64
Δ	8° 23′ 10.3″ (RT)
D	2° 29′ 28.0″
L	336.64′
T	168.62′
R	2,300.00′
DS	50 MPH
emax	6%
e	4.0% (OR)

CURVE RAMP1-2	
PI	7+21.69
PRC	3+36.64
PRC	11+06.12
Δ	5° 36′ 07.2″ (LT)
D	0° 43′ 40.9″
L	769.48′
T	385.04′
R	7,870.00′
DS	50 MPH
emax	6%
e	NC (OR)

CURVE RAMP1-3	
PI	12+18.44
PRC	11+06.12
PT	13+23.50
Δ	35° 35′ 08.1″ (RT)
D	16° 22′ 12.8″
L	217.38′
T	112.32′
R	350.00′
DS	30 MPH
e	NC (LSU)

CURVE RAMP2-1	
PI	1+36.45
PC	0+88.82
PRC	1+79.49
Δ	43° 17′ 31.3″ (RT)
D	47° 44′ 47.3″
L	90.67′
T	47.62′
R	120.00′
DS	20 MPH
e	NC (LSU)

CURVE RAMP2-2	
PI	5+51.04
PRC	1+79.49
PT	9+22.04
Δ	5° 24′ 21.3″ (LT)
D	0° 43′ 40.9″
L	742.54′
T	371.55′
R	7,870.00′
DS	50 MPH
emax	6%
e	NC (OR)

CURVE RAMP2-3	
PI	11+99.82
PC	10+27.22
PT	13+70.94
Δ	13° 02′ 31.9″ (RT)
D	3° 47′ 39.9″
L	343.72′
T	172.61′
R	1,510.00′
DS	50 MPH
emax	6%
e	5.0% (OR)

CURVE RAMP3-1	
PI	9+32.01
PC	5+98.01
PRC	12+65.61
Δ	4° 51′ 37.1″ (LT)
D	0° 43′ 40.9″
L	667.60′
T	334.00′
R	7,870.00′
DS	50 MPH
emax	6%
e	NC (OR)

CURVE RAMP3A-2	
PI	14+00.79
PRC	12+65.61
PT	15+23.62
Δ	42° 14′ 07.1″ (RT)
D	16° 22′ 12.8″
L	258.00′
T	135.18′
R	350.00′
DS	30 MPH
e	NC (LSU)

CURVE RAMP4-1	
PI	1+87.75
PC	0+84.64
PT	2+88.01
Δ	23° 18′ 14.2″ (RT)
D	11° 27′ 33.0″
L	203.37′
T	103.11′
R	500.00′
DS	30 MPH
e	NC (LSU)

CURVE RAMP4-2	
PI	9+12.89
PC	7+75.24
PT	10+49.79
Δ	10° 25′ 03.2″ (RT)
D	3° 47′ 39.9″
L	274.55′
T	137.65′
R	1,510.00′
DS	50 MPH
emax	6%
e	5.0% (OR)

CURVE BYPASS	
PI	3+59.01
PC	0+00.00
PT	4+31.30
Δ	120° 32′ 44.6″ (RT)
D	27° 56′ 57.0″
L	431.30′
T	359.01′
R	205.00′

CURVE NOR-1	
PI	616+09.50
PC	615+00.00
PCC	617+18.93
Δ	3° 21′ 24.4″ (LT)
D	1° 31′ 59.8″
L	218.93′
T	109.50′
R	3,736.83′
DS	45 MPH
e	NC (LSU)

CURVE NOR-2	
PI	621+81.68
PCC	617+18.93
PRC	626+14.79
Δ	35° 23′ 58.0″ (LT)
D	3° 57′ 05.2″
L	895.86′
T	462.75′
R	1,450.00′
DS	45 MPH
e	NC (LSU)

CURVE NOR-3	
PI	627+71.60
PRC	626+14.79
PT	629+09.64
Δ	48° 16′ 01.3″ (RT)
D	16° 22′ 12.8″
L	294.85′
T	156.81′
R	350.00′
DS	30 MPH
e	NC (LSU)

CURVE NOR-4	
PI	634+73.21
PC	633+03.12
PRC	636+19.78
Δ	51° 50′ 14.6″ (RT)
D	16° 22′ 12.8″
L	316.66′
T	170.09′
R	350.00′
DS	30 MPH
e	NC (LSU)

CURVE NOR-5	
PI	637+76.70
PRC	636+19.78
PCC	639+29.34
Δ	23° 11′ 05.3″ (LT)
D	7° 29′ 22.7″
L	309.56′
T	156.93′
R	765.00′
DS	40 MPH
e	NC (LSU)

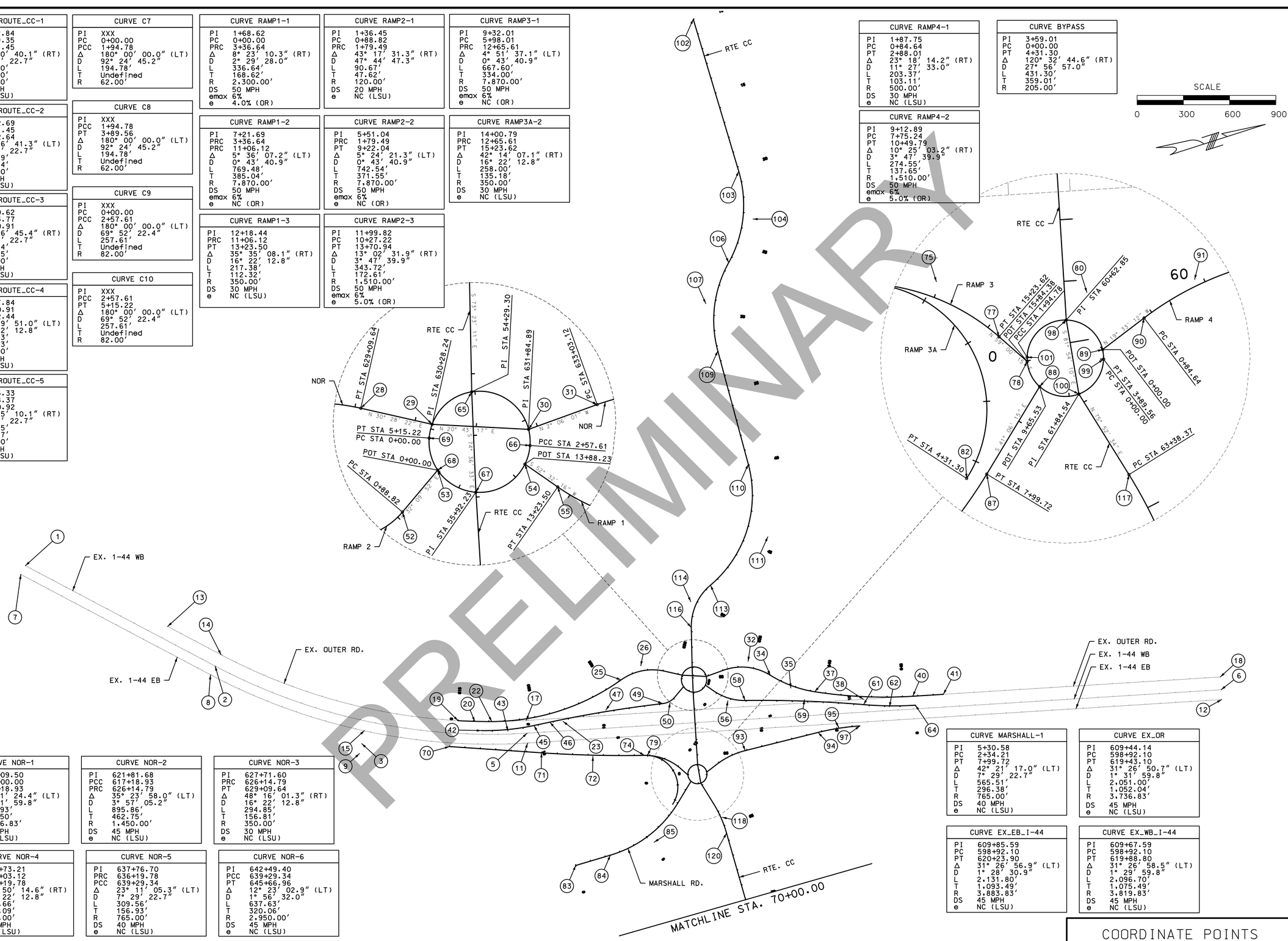
CURVE NOR-6	
PI	642+49.40
PCC	639+29.34
PT	645+66.96
Δ	12° 23′ 02.9″ (LT)
D	1° 56′ 32.0″
L	637.63′
T	320.06′
R	2,950.00′
DS	45 MPH
e	NC (LSU)

CURVE MARSHALL-1	
PI	5+30.58
PC	2+34.21
PT	7+99.72
Δ	42° 21′ 17.0″ (LT)
D	7° 29′ 22.7″
L	565.51′
T	296.38′
R	765.00′
DS	40 MPH
e	NC (LSU)

CURVE EX_OR	
PI	609+44.14
PC	598+92.10
PT	619+43.10
Δ	31° 26′ 50.7″ (LT)
D	1° 31′ 59.8″
L	2,051.00′
T	1,052.04′
R	3,736.83′
DS	45 MPH
e	NC (LSU)

CURVE EX_EB_I-44	
PI	609+85.59
PC	598+92.10
PT	620+23.90
Δ	31° 26′ 56.9″ (LT)
D	1° 28′ 30.9″
L	2,131.80′
T	1,093.49′
R	3,883.83′
DS	45 MPH
e	NC (LSU)

CURVE EX_WB_I-44	
PI	609+67.59
PC	598+92.10
PT	619+88.80
Δ	31° 26′ 58.5″ (LT)
D	1° 29′ 59.8″
L	2,096.70′
T	1,075.49′
R	3,819.83′
DS	45 MPH
e	NC (LSU)



PRELIMINARY

SCALE
0 300 600 900

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DATE PREPARED 3/11/2019

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
SW	34

COUNTY: WEBSTER
JOB NO.: J8I0445
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

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

DATE | DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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COORDINATE POINTS

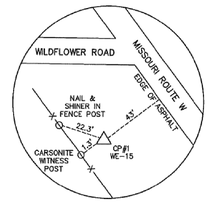
LOCATION	OFFSET	NORTHING (FEET)	EASTING (FEET)	DESCRIPTION	DESIGN PT. ID
EX I-44 WB	0.00	554060.74	1519452.01	POT STA. 585+00.00 EX I-44 WB	1
EX I-44 WB	0.00	555034.45	1520446.92	PC STA. 598+92.10 EX I-44 WB	2
EX I-44 WB	148.50' RT	555786.69	1521215.56	PI STA. 609+67.59 EX I-44 WB	3
EX I-44 WB	3819.83' LT	557764.43	1517775.17	CC OF CURVE EX I-44 WB	4
EX I-44 WB	0.00	556829.47	1521478.81	PT STA. 619+88.80 EX I-44 WB	5
EX I-44 WB	0.00	561203.44	1522583.00	POT STA. 665+00.00 EX I-44 WB	6
EX I-44 EB	0.00	554015.02	1519496.80	POT STA. 585+00.00 EX I-44 EB	7
EX I-44 EB	0.00	554988.73	1520491.71	PC STA. 598+92.10 EX I-44 EB	8
EX I-44 EB	151.00' RT	555753.57	1521273.21	PI STA. 609+85.59 EX I-44 EB	9
EX I-44 EB	3883.83' LT	557764.43	1517775.17	CC OF CURVE EX I-44 EB	10
EX I-44 EB	0.00	556813.80	1521540.86	PT STA. 620+23.90 EX I-44 EB EQUATION:STA 620+23.90 BK = STA 619+88.80 AH	11
EX I-44 EB	0.00	561187.78	1522645.05	POT STA. 665+00.00 EX I-44 EB	12
EX OUTER ROAD	0.00	554819.60	1520108.75	POT STA. 595+00.00 EX OUTER ROAD	13
EX OUTER ROAD	0.00	555093.86	1520388.97	PC STA. 598+92.10 EX OUTER ROAD	14
EX OUTER ROAD	145.27' RT	555829.74	1521140.83	PI STA. 609+44.14 EX OUTER ROAD	15
EX OUTER ROAD	3736.83' LT	557764.43	1517775.17	CC OF CURVE EX OUTER ROAD	16
EX OUTER ROAD	0.00	556849.78	1521398.33	PT STA. 619+43.10 EX OUTER ROAD EQUATION:STA 619+43.10 BK = STA 619+88.80 AH	17
EX OUTER ROAD	0.00	561223.76	1522502.52	POT STA. 665+00.00 EX OUTER ROAD	18
NORTH OUTER RD	0.00	556427.59	1521264.69	PC STA. 615+00.00 NORTH OUTER ROAD	19
NORTH OUTER RD	1.60' RT	556529.84	1521303.86	PI STA. 616+09.50 NORTH OUTER ROAD	20
NORTH OUTER RD	3546.18' LT	557764.43	1517775.17	CC OF CURVE NORTH OUTER ROAD	21
NORTH OUTER RD	0.00	556634.21	1521336.98	PCC STA. 617+18.93 NORTH OUTER ROAD	22
NORTH OUTER RD	72.05' RT	557075.28	1521476.94	PI STA. 621+81.68 NORTH OUTER ROAD	23
NORTH OUTER RD	1450.00' LT	557072.77	1519954.89	CC OF CURVE NORTH OUTER ROAD	24
NORTH OUTER RD	0.00	557515.89	1521335.52	PRC STA. 626+14.79 NORTH OUTER ROAD	25
NORTH OUTER RD	33.52' LT	557665.19	1521287.60	PI STA. 627+71.60 NORTH OUTER ROAD	26
NORTH OUTER RD	350.00' RT	557622.85	1521668.78	CC OF CURVE NORTH OUTER ROAD	27
NORTH OUTER RD	0.00	557800.34	1521367.12	PT STA. 629+09.64 NORTH OUTER ROAD	28
NORTH OUTER RD	0.00	557902.56	1521427.27	PI STA. 630+28.24 NORTH OUTER ROAD	29
NORTH OUTER RD	0.00	558049.08	1521482.70	PI STA. 631+84.89 NORTH OUTER ROAD	30
NORTH OUTER RD	0.00	558167.23	1521478.36	PC STA. 633+03.12 NORTH OUTER ROAD	31
NORTH OUTER RD	39.14' LT	558337.21	1521472.13	PI STA. 634+73.21 NORTH OUTER ROAD	32
NORTH OUTER RD	350.00' RT	558180.06	1521828.13	CC OF CURVE NORTH OUTER ROAD	33
NORTH OUTER RD	0.00	558447.14	1521601.92	PRC STA. 636+19.78 NORTH OUTER ROAD	34
NORTH OUTER RD	15.93' RT	558548.56	1521721.67	PI STA. 637+76.70 NORTH OUTER ROAD	35
NORTH OUTER RD	765.00' LT	559030.90	1521107.51	CC OF CURVE NORTH OUTER ROAD	36
NORTH OUTER RD	0.00	558688.93	1521791.82	PCC STA. 639+29.34 NORTH OUTER ROAD	37
NORTH OUTER RD	17.31' RT	558975.23	1521934.89	PI STA. 642+49.40 NORTH OUTER ROAD	38
NORTH OUTER RD	2889.83' LT	560007.62	1519152.96	CC OF CURVE NORTH OUTER ROAD	39
NORTH OUTER RD	0.00	559285.56	1522013.23	PT STA. 645+66.96 NORTH OUTER ROAD	40
NORTH OUTER RD	0.00	559478.51	1522061.94	POT STA. 647+65.97 NORTH OUTER ROAD	41
RAMP 2	0.00	556552.21	1521372.22	PT STA. 13+00.00 RAMP 2	42
RAMP 2	9.83' LT	556715.64	1521427.74	PI STA. 11+99.82 RAMP 2	43
RAMP 2	1510.00' RT	557037.93	1519942.47	CC OF CURVE RAMP 2	44
RAMP 2	0.00	556887.39	1521444.95	PC STA. 10+27.22 RAMP 2	45
RAMP 2	0.00	556992.05	1521455.44	PT STA. 9+22.04 RAMP 2	46
RAMP 2	8.77' RT	557361.74	1521492.48	PI STA. 5+51.04 RAMP 2	47
RAMP 2	7870.00' LT	556207.44	1529286.23	CC OF CURVE RAMP 2	48
RAMP 2	0.00	557726.30	1521564.18	PRC STA. 1+79.49 RAMP 2	49
RAMP 2	9.10' LT	557773.03	1521573.37	PI STA. 1+36.45 RAMP 2	50
RAMP 2	120.00' RT	557749.46	1521446.44	CC OF CURVE RAMP 2	51
RAMP 2	0.00	557813.34	1521548.02	PC STA. 0+88.82 RAMP 2	52
RAMP 2	0.00	557888.53	1521500.74	POT STA. 0+00.00 RAMP 2	53
RAMP 1	0.00	558026.25	1521534.62	POT STA. 13+88.23 RAMP 1	54
RAMP 1	0.00	558065.62	1521586.00	PT STA. 13+23.50 RAMP 1	55
RAMP 1	17.58' LT	558133.94	1521675.16	PI STA. 12+18.44 RAMP 1	56
RAMP 1	350.00' RT	558343.43	1521373.12	CC OF CURVE RAMP 1	57
RAMP 1	0.00	558241.38	1521707.91	PRC STA. 11+06.12 RAMP 1	58
RAMP 1	12.66' RT	558609.18	1521820.18	PI STA. 7+21.69 RAMP 1	59
RAMP 1	7870.00' LT	555946.69	1529235.95	CC OF CURVE RAMP 1	60
RAMP 1	0.00	558965.29	1521967.87	PRC STA. 3+36.64 RAMP 1	61
RAMP 1	6.17' LT	559121.02	1522032.54	PI STA. 1+68.62 RAMP 1	62
RAMP 1	2300.00' RT	559847.47	1519843.78	CC OF CURVE RAMP 1	63
W ROUNDABOUT	0.00	559284.51	1522073.82	PPC STA. 0+00.00 RAMP 1	64
W ROUNDABOUT	0.00	557979.81	1521396.66	PI STA. 4+05.20 W ROUNDABOUT	65
W ROUNDABOUT	0.00	558043.28	1521508.35	PCC STA. 2+57.61 W ROUNDABOUT	66
W ROUNDABOUT	0.00	557936.57	1521553.75	PI STA. 1+28.81 W ROUNDABOUT	67
W ROUNDABOUT	0.00	557888.53	1521500.74	PI STA. 0+54.78 W ROUNDABOUT	68
W ROUNDABOUT	0.00	557891.18	1521447.04	PC STA. 0+00.00 W ROUNDABOUT	69
RAMP 3	0.00	556324.07	1521407.86	POT STA. 0+00.00 RAMP 3	70
RAMP 3	0.00	556879.90	1521628.28	PC STA. 6+00.00 RAMP 3	71
RAMP 3	7.08' RT	557190.47	1521751.40	PI STA. 9+32.01 RAMP 3	72
RAMP 3	7870.00' LT	559780.86	1514312.42	CC OF CURVE RAMP 3	73
RAMP 3	0.00	557510.26	1521847.76	PRC STA. 12+65.61 RAMP 3	74
RAMP 3	20.85' RT	557639.69	1521886.76	PI STA. 14+00.79 RAMP 3	75
RAMP 3	350.00' LT	557409.28	1522182.88	CC OF CURVE RAMP 3	76
RAMP 3	0.00	557709.30	1522002.64	PT STA. 15+23.62 RAMP 3	77
RAMP 3	0.00	557740.59	1522054.72	PCC STA. 15+84.38 RAMP 3	78
BYPASS	0.00	557529.68	1521854.24	PC STA. 0+00.00 BYPASS	79

LOCATION	OFFSET	NORTHING (FEET)	EASTING (FEET)	DESCRIPTION	DESIGN PT. ID
BYPASS	208.41'RT	557866.78	1521977.73	PI STA. 3+59.01 BYPASS	80
BYPASS	205.00' LT	557459.16	1522046.73	CC OF CURVE BYPASS	81
BYPASS	0.00	557589.10	1522205.29	PT STA. 4+31.30 BYPASS	82
MARSHALL RD	0.00	556868.58	1522391.85	POT STA. 0+00.00 MARSHALL RD	83
MARSHALL RD	0.00	557102.73	1522396.97	PC STA. 2+34.21 MARSHALL RD	84
MARSHALL RD	55.40' RT	557399.03	1522403.43	PT STA. 5+30.58 MARSHALL RD	85
MARSHALL RD	765.00' LT	557119.42	1521632.15	CC OF CURVE MARSHALL RD	86
MARSHALL RD	0.00	557622.36	1522208.59	PT STA. 7+99.72 MARSHALL RD	87
MARSHALL RD	0.00	557747.30	1522099.58	POT STA. 9+65.53 MARSHALL RD	88
RAMP 4	0.00	557862.81	1522073.70	POT STA. 557747.30 RAMP 4	89
RAMP 4	0.00	557942.57	1522045.37	PC STA. 0+84.64 RAMP 4	90
RAMP 4	10.52' LT	558039.73	1522010.86	PI STA. 1+87.75 RAMP 4	91
RAMP 4	500.00' RT	558109.92	1522516.53	CC OF CURVE RAMP 4	92
RAMP 4	0.00	558142.62	1522017.60	PT STA. 2+88.01 RAMP 4	93
RAMP 4	0.00	558628.80	1522049.47	PC STA. 7+75.24 RAMP 4	94
RAMP 4	6.26' LT	558766.16	1522058.48	PI STA. 9+12.89 RAMP 4	95
RAMP 4	1510.00' RT	558530.03	1523556.24	CC OF CURVE RAMP 4	96
RAMP 4	0.00	558899.63	1522092.17	PT STA. 10+49.79 RAMP 4	97
E ROUNDABOUT	0.00	557821.38	1522010.06	PI STA. 0+97.39 E ROUNDABOUT	98
E ROUNDABOUT	0.00	557859.58	1522088.98	PC STA. 0+00.00 E ROUNDABOUT	99
E ROUNDABOUT	0.00	557804.24	1522130.53	PI STA. 3+16.14 E ROUNDABOUT	100
E ROUNDABOUT	0.00	557742.46	1522048.26	PCC STA. 1+94.78 E ROUNDABOUT	101
RTE CC	0.00	559267.73	1517398.06	POT STA. 10+00.00 RTE CC	102
RTE CC	0.00	559247.99	1518427.22	PC STA. 20+29.35 RTE CC	103
RTE CC	65.59' LT	559241.78	1518750.66	PC STA. 23+52.84 RTE CC	104
RTE CC	765.00' RT	558483.13	1518412.54	CC OF CURVE RTE CC	105
RTE CC	0.00	559005.41	1518971.51	PRC STA. 26+41.45 RTE CC	106
RTE CC	58.35' RT	558782.97	1519179.36	PI STA. 29+52.69 RTE CC	107
RTE CC	765.00' LT	559527.69	1519530.48	CC OF CURVE RTE CC	108
RTE CC	0.00	558763.52	1519494.91	PT STA. 32+32.64 RTE CC	109
RTE CC	0.00	558728.13	1520255.21	PC STA. 39+93.77 RTE CC	110
RTE CC	141.78' LT	558705.49	1520741.54	PC STA. 44+80.62 RTE CC	111
RTE CC	765.00' RT	557963.95	1520219.64	CC OF CURVE RTE CC	112
RTE CC	0.00	558255.33	1520926.97	PRC STA. 48+60.91 RTE CC	113
RTE CC	37.77' RT	558100.98	1520990.56	PI STA. 50+27.84 RTE CC	114
RTE CC	350.00' LT	558388.64	1521250.59	CC OF CURVE RTE CC	115
RTE CC	0.00	558053.26	1521150.52	PT STA. 51+72.44 RTE CC	116
RTE CC	0.00	557841.77	1522279.71	PC STA. 63+38.36 RTE CC	117
RTE CC	9.37' LT	557867.88	1522383.44	PI STA. 65+45.33 RTE CC	118
RTE CC	761.47' RT	557099.90	1522466.38	CC OF CURVE RTE CC	119
RTE CC	0.00	557864.52	1522490.35	PT STA. 65+50.92 RTE CC	120

PROJECT COORDINATES ARE BASED ON GROUND DISTANCES
TIED TO THE MISSOURI STATE PLANE COORDINATE SYSTEM 1983 (2007)
AT STATION WE-15 - VERTICAL DATUM: NAVD 1988

STATION WE-15
NORTHING: 170444.927 m. = 559,201.397 ft.
EASTING: 462588.637 m. = 1,517,676.220 ft.
ELEVATION: 412.40 m. = 1,353.02 ft.

GRID FACTOR: 0.99989090



CONTROL POINT #1
N: 559201.397
E: 1517676.220
EL: 1353.02
STA. 633+57.81 4267.49' LT. (WEST BOUND I-44)
MISSOURI DNR GRS ALUMINUM DISC STAMPED "WE-15, 2007"

DISCLAIMER
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PRELIMINARY

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

DATE PREPARED 3/11/2019
ROUTE I-44 | STATE MO
DISTRICT SW | SHEET NO. 35
COUNTY WEBSTER
JOB NO. J8I0445
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

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

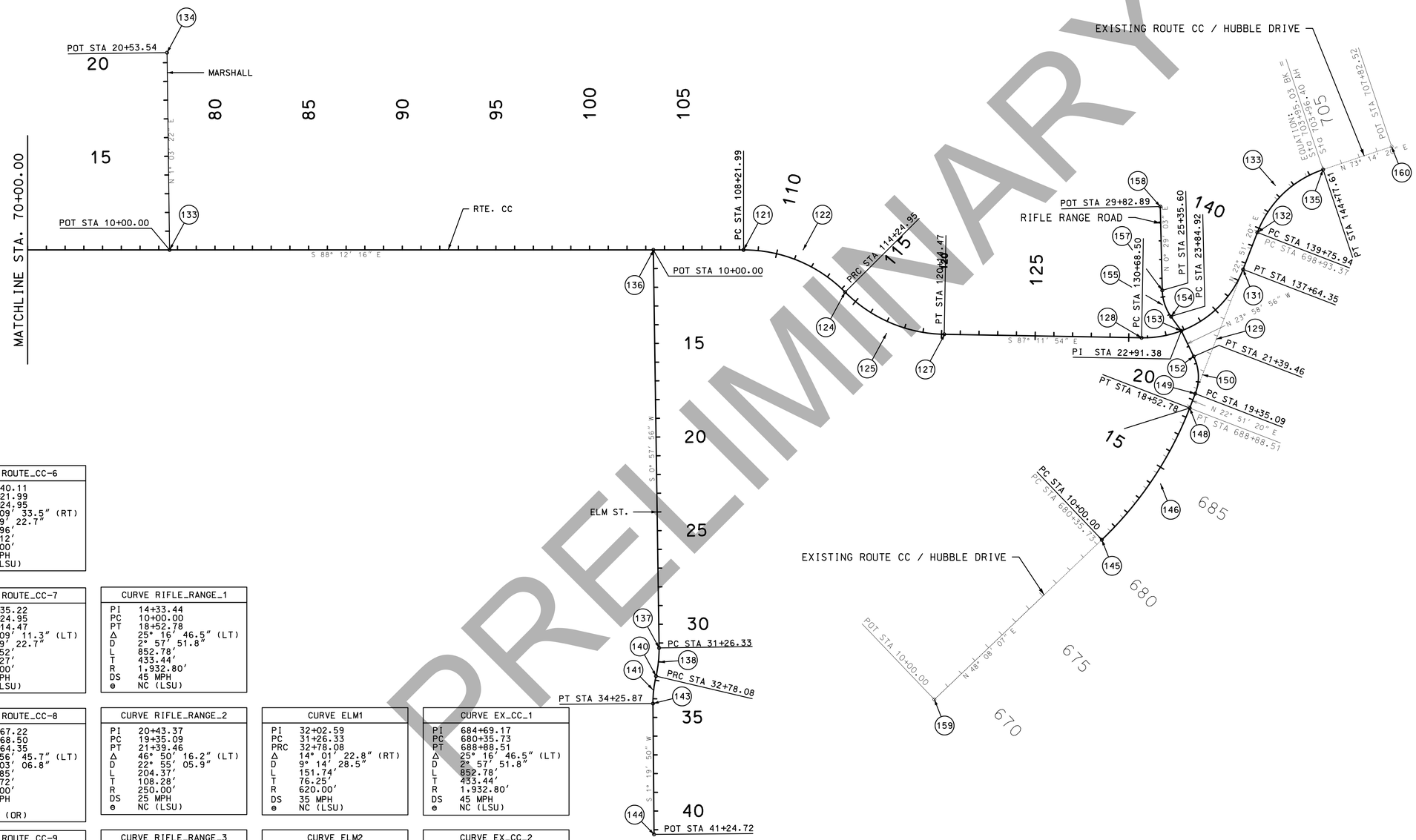
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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SPRINGFIELD, MO 65807 (417) 869-6009
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COORDINATE POINTS

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SCALE
0 300 600 900



PRELIMINARY

CURVE ROUTE_CC-6	
PI	111+40.11
PC	108+21.99
PRC	114+24.95
Δ	45° 09′ 33.5″ (RT)
D	7° 29′ 22.7″
L	602.96′
T	318.12′
R	765.00′
DS	40 MPH
e	NC (LSU)

CURVE ROUTE_CC-7	
PI	117+35.22
PRC	114+24.95
PT	120+14.47
Δ	44° 09′ 11.3″ (LT)
D	7° 29′ 22.7″
L	589.52′
T	310.27′
R	765.00′
DS	40 MPH
e	NC (LSU)

CURVE RIFLE_RANGE_1	
PI	14+33.44
PC	10+00.00
PT	18+52.78
Δ	25° 16′ 46.5″ (LT)
D	2° 57′ 51.8″
L	852.78′
T	433.44′
R	1,932.80′
DS	45 MPH
e	NC (LSU)

CURVE ROUTE_CC-8	
PI	134+67.22
PC	130+68.50
PT	137+64.35
Δ	69° 56′ 45.7″ (LT)
D	10° 03′ 06.8″
L	695.85′
T	398.72′
R	570.00′
DS	40 MPH
emax	8%
e	7.7% (OR)

CURVE RIFLE_RANGE_2	
PI	20+43.37
PC	19+35.09
PT	21+39.46
Δ	46° 50′ 16.2″ (LT)
D	22° 55′ 05.9″
L	204.37′
T	108.28′
R	250.00′
DS	25 MPH
e	NC (LSU)

CURVE ELM1	
PI	32+02.59
PC	31+26.33
PRC	32+78.08
Δ	14° 01′ 22.8″ (RT)
D	9° 14′ 28.5″
L	151.74′
T	76.25′
R	620.00′
DS	35 MPH
e	NC (LSU)

CURVE EX_CC_1	
PI	684+69.17
PC	680+35.73
PT	688+88.51
Δ	25° 16′ 46.5″ (LT)
D	2° 57′ 51.8″
L	852.78′
T	433.44′
R	1,932.80′
DS	45 MPH
e	NC (LSU)

CURVE ROUTE_CC-9	
PI	142+44.29
PC	139+75.94
PT	144+77.61
Δ	50° 22′ 59.6″ (RT)
D	10° 02′ 35.7″
L	501.66′
T	268.35′
R	570.49′
DS	40 MPH
emax	8%
e	7.7% (OR)

CURVE RIFLE_RANGE_3	
PI	24+62.63
PC	23+84.92
PT	25+35.60
Δ	34° 32′ 03.6″ (RT)
D	22° 55′ 05.9″
L	150.68′
T	77.71′
R	250.00′
DS	25 MPH
e	NC (LSU)

CURVE ELM2	
PI	33+52.33
PRC	32+78.08
PT	34+25.87
Δ	13° 39′ 29.0″ (LT)
D	9° 14′ 28.5″
L	147.79′
T	74.25′
R	620.00′
DS	35 MPH
e	NC (LSU)

CURVE EX_CC_2	
PI	144+11.74
PC	698+93.37
PT	703+95.03
Δ	50° 23′ 00.0″ (RT)
D	10° 02′ 35.7″
L	501.66′
T	268.35′
R	570.49′
DS	40 MPH
emax	8%
e	7.7% (OR)

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

DATE PREPARED	3/11/2019
ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
SW	36
COUNTY	WEBSTER
JOB NO.	J8I0445
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

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SPRINGFIELD, MO 65807 (417) 869-6009
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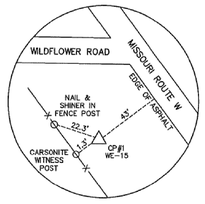
COORDINATE POINTS

LOCATION	OFFSET	NORTHING (FEET)	EASTING (FEET)	DESCRIPTION	DESIGN PT. ID
RTE CC	0.00	557730.70	1526759.32	PC STA. 108+21.99 RTE CC	121
RTE CC	63.51' LT	557720.74	1527077.29	PI STA. 111+40.11 RTE CC	122
RTE CC	765.00' RT	556966.08	1526735.36	CC OF CURVE RTE CC	123
RTE CC	0.00	557488.25	1527294.43	PRC STA. 114+24.95 RTE CC	124
RTE CC	0.00	557261.41	1527508.93	PI STA. 117+35.22 RTE CC	125
RTE CC	765.00' LT	558010.42	1527853.50	CC OF CURVE RTE CC	126
RTE CC	0.00	557246.33	1527816.11	PT STA. 120+14.47 RTE CC	127
RTE CC	0.00	557194.81	1528868.88	PC STA. 130+68.50 RTE CC	128
RTE CC	125.61' RT	557175.33	1529267.12	PI STA. 134+67.22 RTE CC	129
RTE CC	570.00' LT	557764.13	1528896.74	CC OF CURVE RTE CC	130
RTE CC	0.00	557542.74	1529421.99	PT STA. 137+64.35 RTE CC	131
RTE CC	0.00	557737.72	1529504.17	PC STA. 139+75.94 RTE CC PC STA. 698+93.37 EX RTE CC	132
RTE CC	59.96' LT	557985.00	1529608.41	PI STA. 142+44.29 RTE CC	133
RTE CC	570.49' RT	557516.14	1530029.87	CC OF CURVE RTE CC	134
RTE CC	0.00	558062.39	1529865.36	PT STA. 144+77.61 RTE CC EQUATION: STA. 703+95.03 BK = STA. 703+96.40 AH	135
ELM ST	0.00	557745.80	1526277.86	POT STA. 10+00.00 ELM ST	136
ELM ST	0.00	555619.76	1526242.03	PC STA. 31+26.33 ELM ST	137
ELM ST	4.67' RT	555543.52	1526240.74	PI STA. 32+02.21 ELM ST	138
ELM ST	620.00' LT	555630.21	1525622.12	CC OF CURVE ELM ST	139
ELM ST	0.00	555469.86	1526221.02	PRC STA. 32+78.08 ELM ST	140
ELM ST	4.43' RT	555398.14	1526201.82	PI STA. 33+52.33 ELM ST	141
ELM ST	620.00' LT	555309.52	1526819.93	CC OF CURVE ELM ST	142
ELM ST	0.00	555323.91	1526200.10	PT STA. 34+25.87 ELM ST	143
ELM ST	0.00	554625.25	1526183.87	POT STA. 41+24.72 ELM ST	144
RIFLE RANGE	0.00	556123.08	1528622.73	PC STA. 10+00.00 RIFLE RANGE PC STA. 680+35.73 EXIST. RTE. CC	135
RIFLE RANGE	48.00' RT	556412.35	1528945.52	PI STA. 14+33.44 RIFLE RANGE	146
RIFLE RANGE	1655.03' LT	557562.48	1527332.82	CC OF CURVE RIFLE RANGE	147
RIFLE RANGE	0.00	556811.76	1529113.88	PC STA. 18+52.78 RIFLE RANGE PC STA. 688+88.51 EXIST. RTE. CC	148
RIFLE RANGE	0.00	556887.61	1529145.85	PC STA. 19+35.09 RIFLE RANGE	149
RIFLE RANGE	22.44' RT	556987.39	1529187.91	PI STA. 20+43.37 RIFLE RANGE	150
RIFLE RANGE	250.00' LT	556984.71	1528915.48	CC OF CURVE RIFLE RANGE	151
RIFLE RANGE	0.00	557086.33	1529143.90	PT STA. 21+39.46 RIFLE RANGE	152
RIFLE RANGE	0.00	557225.13	1529082.15	PI STA. 22+91.38 RIFLE RANGE	153
RIFLE RANGE	0.00	557302.63	1529029.77	PC STA. 23+84.92 RIFLE RANGE	154
RIFLE RANGE	11.80' LT	557367.02	1528986.26	PI STA. 24+62.63 RIFLE RANGE	155
RIFLE RANGE	250.00' RT	557442.61	1529236.91	CC OF CURVE RIFLE RANGE	156
RIFLE RANGE	0.00	557444.72	1528986.92	PT STA. 25+35.60 RIFLE RANGE	157
RIFLE RANGE	0.00	557892.00	1528990.70	POT STA. 29+82.89 RIFLE RANGE	158
EX RTE CC	0.00	555298.38	1527702.45	POT STA. 10+00.00 EX RTE CC	159
EX RTE CC	0.00	558173.74	1530235.07	POT STA. 707+82.52 EX RTE CC	160

PROJECT COORDINATES ARE BASED ON GROUND DISTANCES
TIED TO THE MISSOURI STATE PLANE COORDINATE SYSTEM 1983 (2007)
AT STATION WE-15 – VERTICAL DATUM: NAVD 1988

STATION WE-15
NORTHING: 170444.927 m. = 559,201.397 ft.
EASTING: 462588.637 m. = 1,517,676.220 ft.
ELEVATION: 412.40 m. = 1,353.02 ft.

GRID FACTOR: 0.99989090



CONTROL POINT #1
N: 559201.397
E: 1517676.220
EL: 1353.02
STA. 633+57.81 4267.49' LT. (WEST BOUND I-44)
MISSOURI DNR GRS ALUMINUM DISC STAMPED "WE-15, 2007"

PRELIMINARY

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DATE PREPARED: 3/11/2019
ROUTE: I-44 | STATE: MO
DISTRICT: SW | SHEET NO.: 37
COUNTY: WEBSTER
JOB NO.: J8I0445
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DATE	DESCRIPTION

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

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SPRINGFIELD, MO 65807 (417) 869-6009
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COORDINATE POINTS

EXISTING ELEVATIONS ARE SHOWN AT A LIGHTER WEIGHT AND ARE TAKEN FROM AVAILABLE SURVEY, CONTRACTOR TO FIELD VERIFY. FOLLOW SLOPES IF DISCREPANCY IS FOUND.

PAVEMENT LEGEND	
(F)	FULL DEPTH PAVEMENT
(S)	SHOULDER PAVEMENT

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SCALE
0 20 40 60

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PRELIMINARY

NORTH OUTER ROAD

TAPER SHOULDER WIDTH

℄ RAMP 1

℄ WB I-44

FULL DEPTH SAWCUT

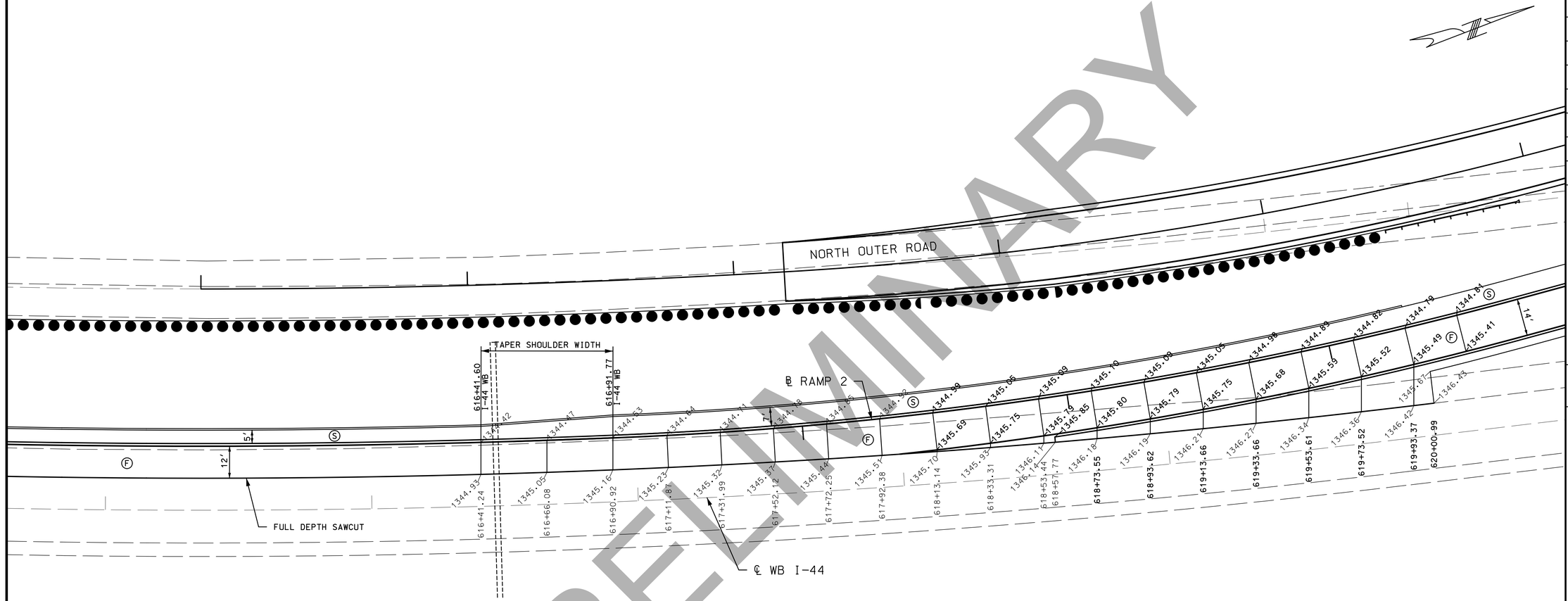
| | | |

EXISTING ELEVATIONS ARE SHOWN AT A LIGHTER WEIGHT AND ARE TAKEN FROM AVAILABLE SURVEY, CONTRACTOR TO FIELD VERIFY. FOLLOW SLOPES IF DISCREPANCY IS FOUND.

PAVEMENT LEGEND	
(F)	FULL DEPTH PAVEMENT
(S)	SHOULDER PAVEMENT

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DATE PREPARED: 3/11/2019
ROUTE: I-44 | STATE: MO
DISTRICT: SW | SHEET NO.: 39
COUNTY: WEBSTER
JOB NO.: J8I0445
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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INTERSECTION DETAILS
RAMP 2

SPECIAL SHEETS

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PAVEMENT LEGEND	
(F)	FULL DEPTH PAVEMENT
(S)	SHOULDER PAVEMENT

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SCALE
0 20 40 60

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PRELIMINARY

℄ EB I-44

614+67.48 1347.34 | 614+92.68 1347.34 | 615+18.20 1347.37 | 615+38.08 1347.39 | 615+57.95 1347.43 | 615+77.83 1347.48 | 615+97.70 1347.55 | 616+17.57 1347.74 | 616+37.43 1347.90 | 616+57.79 1347.94 | 616+77.74 1347.95 | 616+97.69 1348.00 | 617+17.64 1348.04 | 617+37.59 1348.08 | 617+57.55 1348.14 | 617+97.49 1348.15 | 618+17.46 1348.16 | 618+37.45 1348.16 | 618+57.44 1348.17 | 618+77.43 1348.19 | 618+91.02 1348.20 | 618+96.03 1348.22 | 619+15.78 1348.24 | 619+35.51 1348.33 | 619+41.99 1348.42 | 619+55.22 1348.43 | 619+74.90 1348.45 | 619+94.57 1348.43 | 1348.41

(F) 1348.13 | 1348.19 | 1348.26 | 1348.32 | 1348.39 | 1348.45 | 1348.55 | 1348.65 | 1348.74 | 1348.84 | 1348.94 | 1349.02 | 1349.10 | 1349.18 | 1349.27 | 1349.34 | 1349.39 | (F) 1349.41 | 1349.13 | 1349.14 | 1349.35 | 1349.13 | 1349.14 | 1349.27 | 1349.14 | 1349.14 | 1349.14 | 1349.14 | 1349.11 | 16 | 1349.03 | 1349.15 | 1349.14 | 1349.14 | 1347.49 | 1348.95

(S) 1349.07 | 1349.10 | 1349.11 | (S) 1349.13 | 1349.13 | 1349.14 | 1349.14 | 1349.14 | 1349.14 | 1348.36 | 1349.19 | 1349.16 | (S)

12′ | 5′ | 7′

614+41.54 144-WB

614+91.43 144-WB

TAPER SHOULDER WIDTH

FULL DEPTH SAWCUT

℄ RAMP 3

TRANSITION 17′ TO 16′ PVMT

INTERSECTION DETAILS
RAMP 3

SPECIAL SHEETS

DATE PREPARED
3/11/2019
ROUTE: I-44 / STATE: MO
DISTRICT: SW / SHEET NO.: 40
COUNTY: WEBSTER
JOB NO.: J8I0445
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

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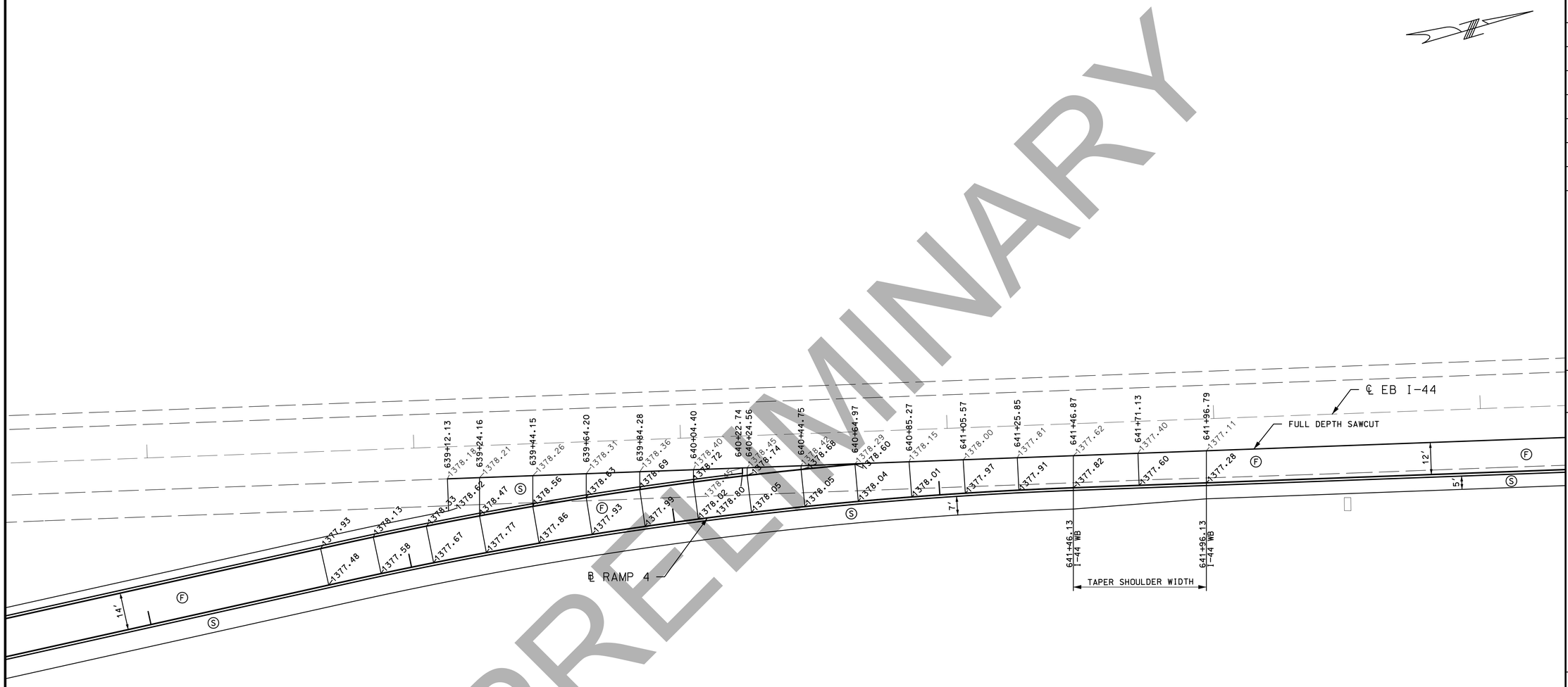
PAVEMENT LEGEND	
(F)	FULL DEPTH PAVEMENT
(S)	SHOULDER PAVEMENT

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SCALE
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ROUTE	I-44
STATE	MO
DISTRICT	SW
SHEET NO.	41
COUNTY	WEBSTER
JOB NO.	J8I0445
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

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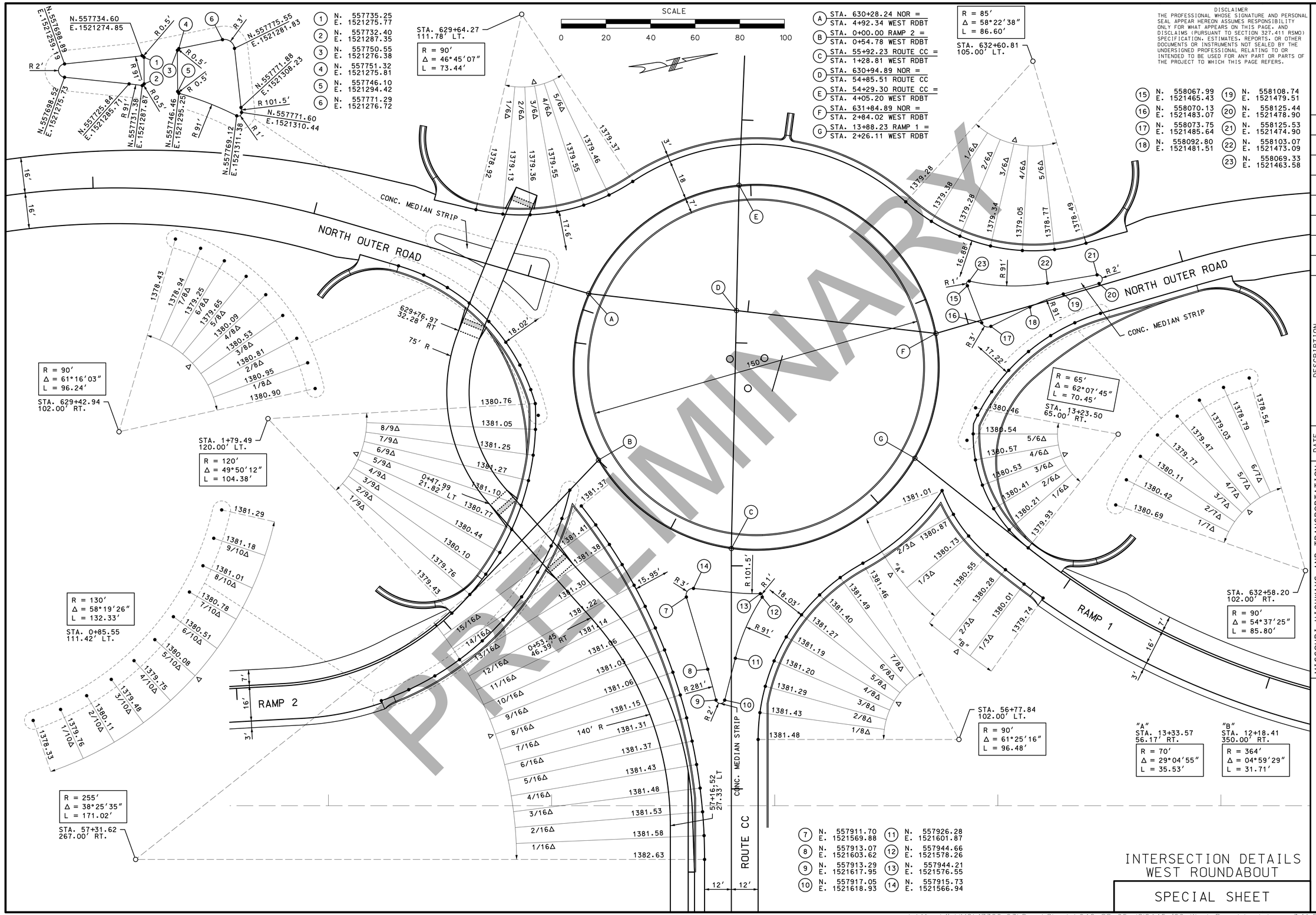
DESCRIPTION	DATE

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INTERSECTION DETAILS RAMP 4

SPECIAL SHEETS



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DATE PREPARED	3/11/2019
ROUTE	I-44
STATE	MO
DISTRICT	SW
SHEET NO.	42
COUNTY	WEBSTER
JOB NO.	J8I0445
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION / DATE

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INTERSECTION DETAILS WEST ROUNDABOUT

SPECIAL SHEET

SCALE
0 20 40 60 80 100

(A) STA. 15+84.38 RAMP 3 =
STA. 2+01.51 EAST RDBT
(B) STA. 9+65.53 MARSHALL RD =
STA. 2+47.94 EAST RDBT
(C) STA. 61+84.54 ROUTE CC =
STA. 3+16.14 EAST RDBT
(D) STA. 0+00.00 RAMP 4 =
STA. 0+15.66 EAST RDBT
(E) STA. 50+62.85 ROUTE CC =
STA. 0+97.39 EAST RDBT

N.557722.67 E.1521846.60
N.557726.52 E.1521847.40
R 327.7'
N.557726.42 E.1521858.60
R 2'
N.557715.04 E.1521865.52
R 81'
N.557700.06 E.1521889.48
R 1'
R 3'
N.557726.70 E.1521895.02
N.557700.58 E.1521891.42
R 81.5'
N.557707.55 E.1521893.02
N.557722.78 E.1521897.90

RAMP 3
3'
16'
7'
13'
1374.47
1374.99
1375.50
1375.99
1376.46
1376.92
1377.51
1377.75
1378.17
1378.58
1379.00
1379.42
1379.83
1/12Δ
2/12Δ
3/12Δ
4/12Δ
5/12Δ
6/12Δ
7/12Δ
8/12Δ
9/12Δ
10/12Δ
11/12Δ
R = 365'
Δ = 24°27'17"
L = 155.79'
STA. 15+23.62
350.00' RT.
1380.25
1380.66
1381.07
1381.49
1381.85
1/10Δ
2/10Δ
3/10Δ
4/10Δ
5/10Δ
6/10Δ
7/10Δ
8/10Δ
9/10Δ
R = 364'
Δ = 20°13'00"
L = 128.44'
STA. 15+23.62
350.00' RT.
1382.00
1382.11
1382.21
1382.31
1382.19
15+29.44
12.63' RT
40' R
15+44.42
33.95' RT
9+31.21
52.27' LT
9+13.10
26.50' LT
40' R
16.6'
16.3'
18'
101'
STA. 59+84.72
102.00' RT.
R = 90'
Δ = 55°22'34"
L = 86.99'
100' R
15+01.93
150.02' LT
ROUTE CC
1382.86
1382.89
1382.80
1382.80
1382.88
1382.98
1383.05
1383.02
6/7Δ
5/7Δ
4/7Δ
3/7Δ
2/7Δ
1/7Δ
15+19.50
22.78' LT
15+19.36
54.10' LT
60' R
18.8'
14.6'
R = 255'
Δ = 35°35'39"
L = 158.42'
STA. 59+29.63
267.00' LT.
1382.55
1382.60
12/13Δ
1382.65
11/13Δ
1382.70
10/13Δ
1382.75
9/13Δ
1382.80
8/13Δ
1382.67
7/13Δ
1382.61
6/13Δ
1382.63
5/13Δ
1382.73
4/13Δ
1382.85
3/13Δ
1382.95
2/13Δ
1382.97
1/13Δ
1382.92
R = 514'
Δ = 04°03'23"
L = 36.89'
STA. 2+88.01
500.00' RT.
1380.86
1381.10
1/7Δ
1381.33
2/7Δ
1381.57
RAMP 4
1380.99
1381.12
1381.26
1381.39
1381.52
1381.65
1381.79
1381.92
1382.05
7/8Δ
6/8Δ
5/8Δ
4/8Δ
3/8Δ
2/8Δ
1/8Δ
STA. 0+84.64
130.00' RT.
R = 130'
Δ = 42°14'28"
L = 95.84'
STA. 62+62.61
110.00' RT.
R = 90'
Δ = 54°47'29"
L = 86.07'
R = 90'
Δ = 37°37'39"
L = 59.12'
STA. 15+23.62
90.00' RT.
1381.61
1381.83
1382.03
1382.18
1382.16
1381.98
1/5Δ
2/5Δ
3/5Δ
4/5Δ
R = 90'
Δ = 47°53'39"
L = 75.23'
STA. 9+00.24
102.00' LT.
1381.88
1381.73
1381.49
1381.22
1381.02
1380.91
1380.87
1/6Δ
2/6Δ
3/6Δ
4/6Δ
5/6Δ
MARSHALL ROAD
9+14.50
34.53' RT
40' R
1381.27
1381.25
1381.17
1381.04
1380.97
1380.91
1380.85
5/6Δ
4/6Δ
3/6Δ
2/6Δ
1/6Δ
17.4'
16.6'
R 3'
R 1'
R 91'
R 2'
R = 90'
Δ = 47°53'39"
L = 75.23'
STA. 62+49.84
102.00' LT.
ROUTE CC
9+01.80
76.30' RT
40' R
1381.26
1381.15
1381.00
1380.94
1380.91
1380.88
1380.86
1/6Δ
2/6Δ
3/6Δ
4/6Δ
5/6Δ
R = 75'
Δ = 57°37'00"
L = 75.42'
STA. 8+95.47
95.00' RT.
N.557687.56 E.1522153.03
N.557690.07 E.1522156.14
N.557708.87 E.1522134.44
R 91'
N.557710.97 E.1522132.55
N.557711.71 E.1522132.61
N.557718.74 E.1522125.31
N.557718.78 E.1522124.67
N.557727.96 E.1522115.20
R 2'
R 0.5'
R 0.5'
R 76'
R 3'
N.557732.21 E.1522115.14
N.557741.07 E.1522123.83
R 1'
N.557740.62 E.1522125.51
N.557714.82 E.1522137.62
N.557714.93 E.1522136.91
N.557723.51 E.1522131.69
N.557724.14 E.1522131.84
1 N. 557809.38 E. 1522154.86
2 N. 557815.70 E. 1522173.30
3 N. 557817.87 E. 1522180.60
4 N. 557824.49 E. 1522206.91
5 N. 557828.41 E. 1522206.13
6 N. 557824.95 E. 1522182.16
7 N. 557826.61 E. 1522147.60
8 N. 557825.32 E. 1522146.41
9 N. 557811.28 E. 1522151.03

INTERSECTION DETAILS
EAST ROUNDABOUT

SPECIAL SHEET

PRELIMINARY

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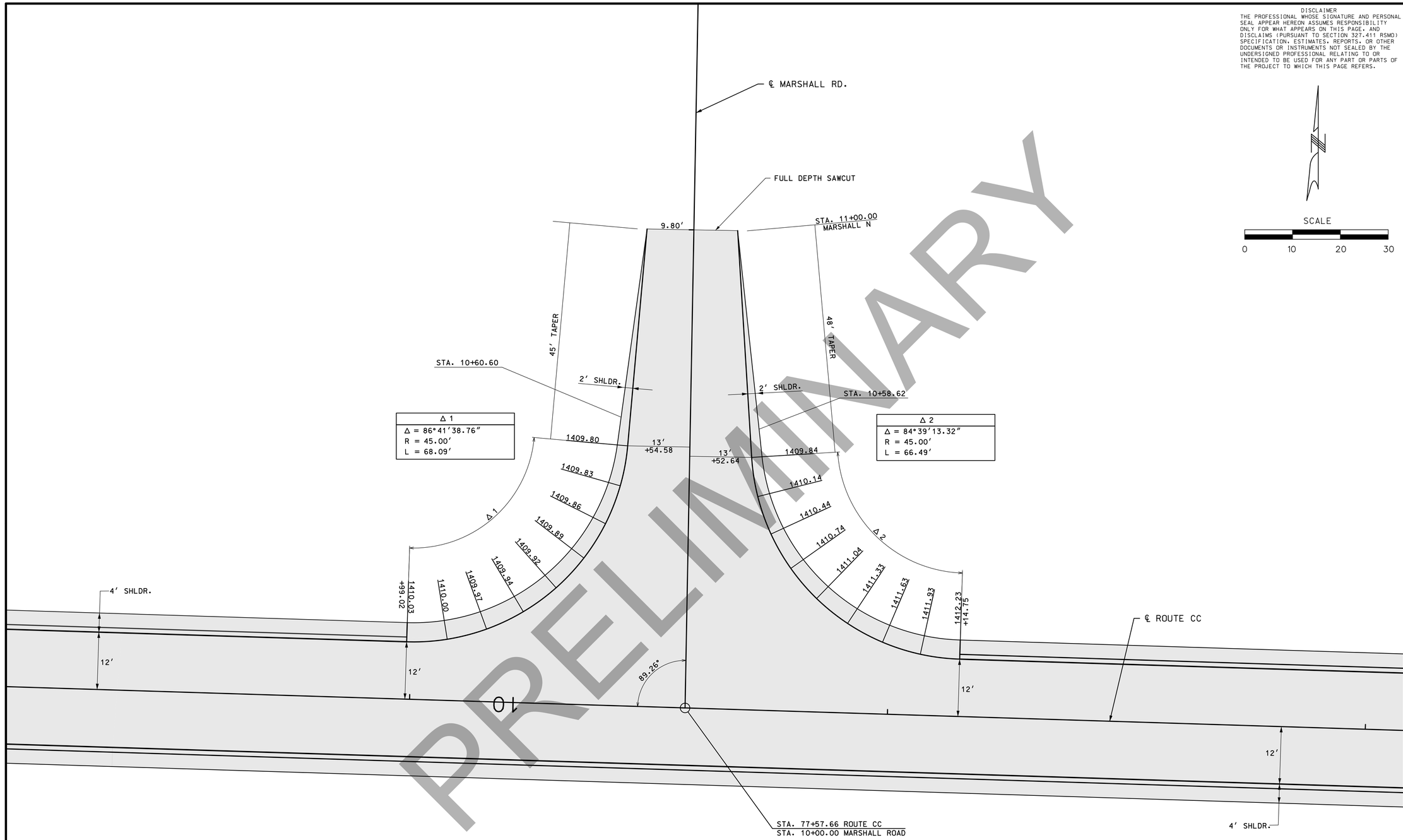
DATE PREPARED 3/11/2019
ROUTE I-44 | STATE MO
DISTRICT SW | SHEET NO. 43
COUNTY WEBSTER
JOB NO. J8I0445
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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0 10 20 30

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DATE PREPARED 3/11/2019
ROUTE I-44 | STATE MO
DISTRICT SW | SHEET NO. 44
COUNTY WEBSTER
JOB NO. J8I0445
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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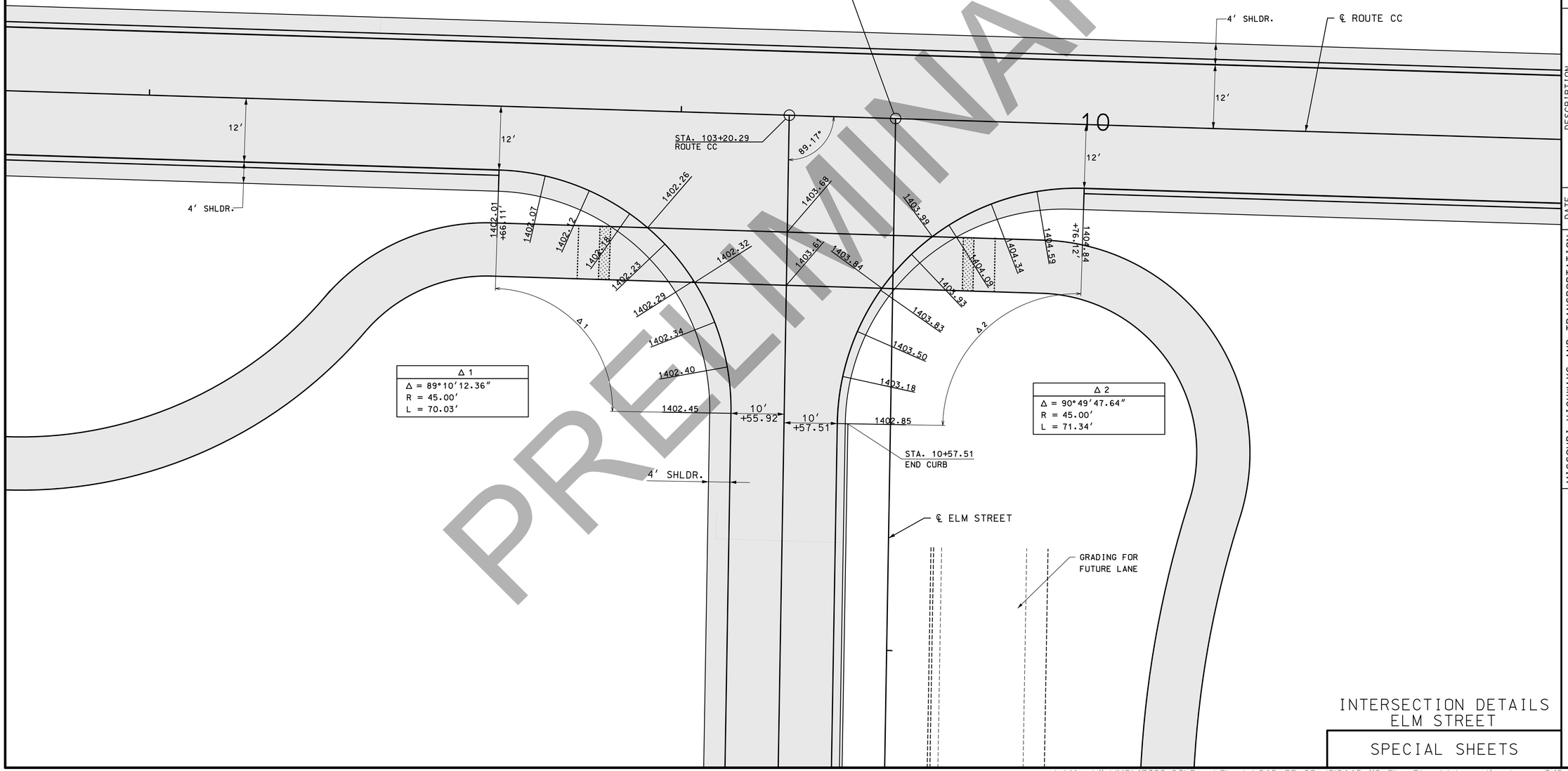
INTERSECTION DETAILS
MARSHALL ROAD

SPECIAL SHEETS

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SCALE
0 10 20 30



Δ 1
Δ = 89°10'12.36"
R = 45.00'
L = 70.03'

Δ 2
Δ = 90°49'47.64"
R = 45.00'
L = 71.34'

PRELIMINARY

INTERSECTION DETAILS
ELM STREET

SPECIAL SHEETS

DATE PREPARED
3/11/2019

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
SW	45

COUNTY
WEBSTER

JOB NO.
J8I0445

CONTRACT ID.

PROJECT NO.

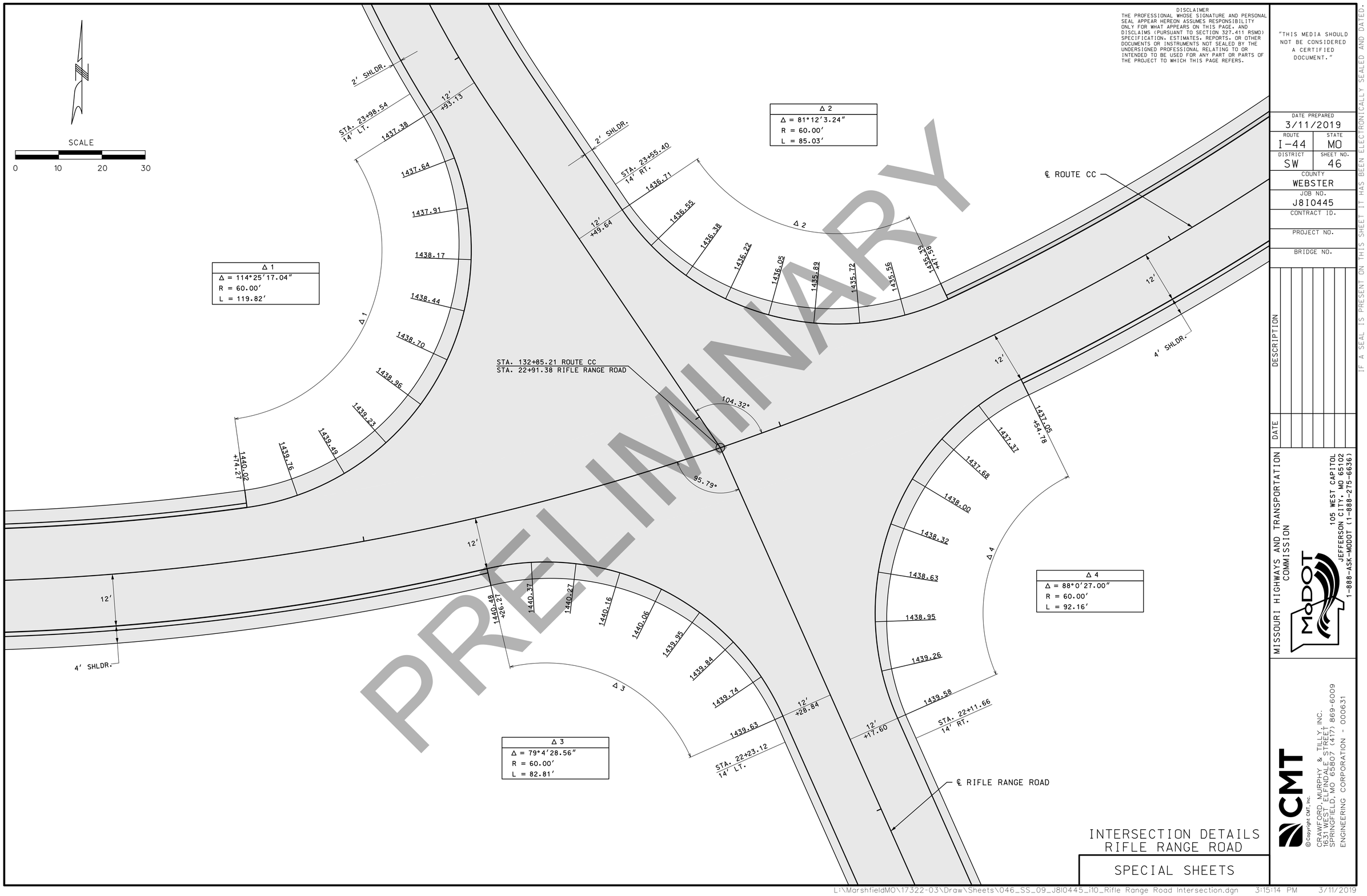
BRIDGE NO.

DESCRIPTION	DATE

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DATE PREPARED: 3/11/2019
ROUTE: I-44 | STATE: MO
DISTRICT: SW | SHEET NO.: 46
COUNTY: WEBSTER
JOB NO.: J8I0445
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

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DESCRIPTION | DATE

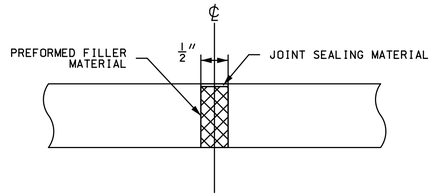
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INTERSECTION DETAILS
RIFLE RANGE ROAD

SPECIAL SHEETS

ISOLATION JOINT DETAIL (I)

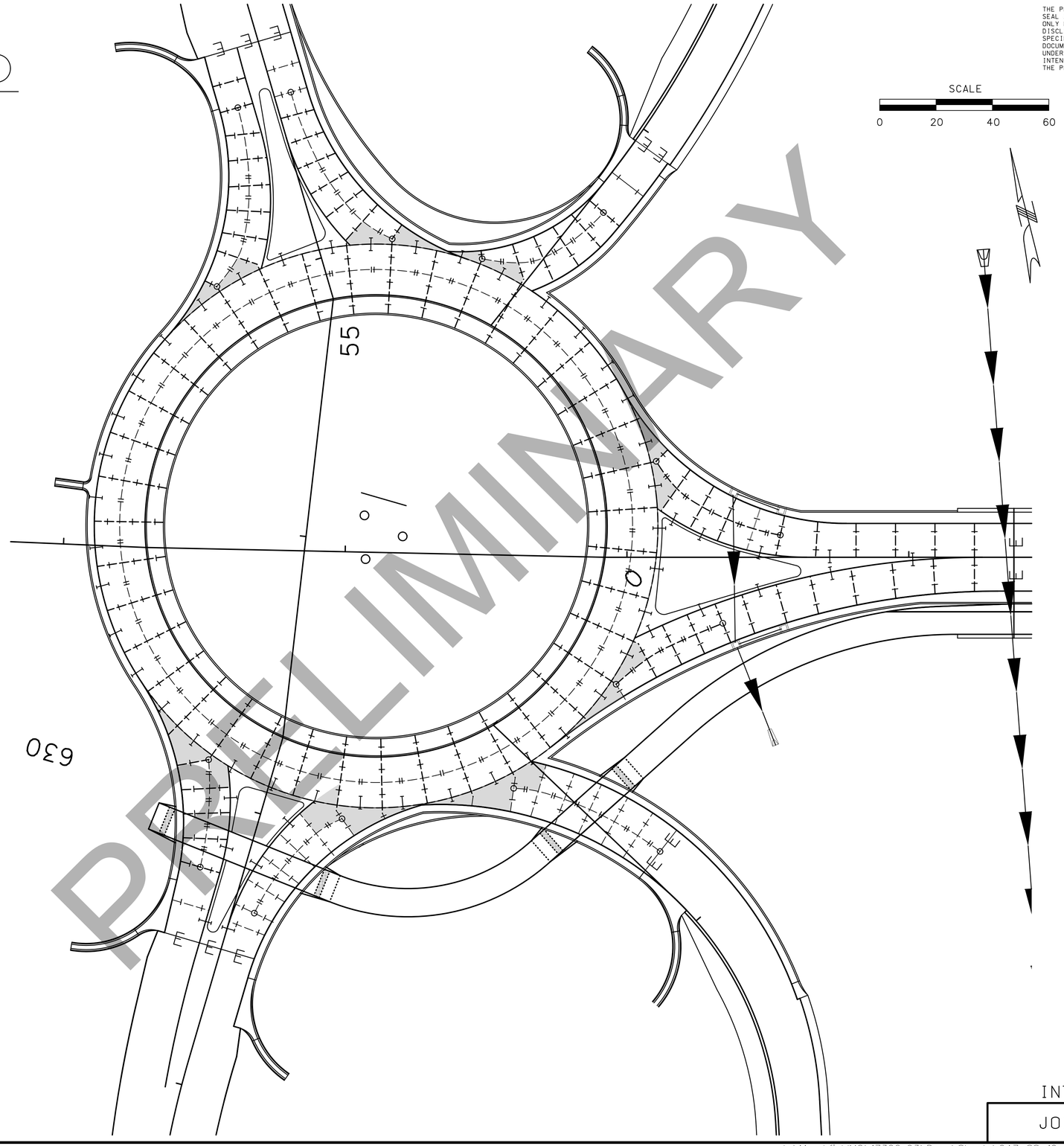


NOTES:

JOINTS "L1", "C1", "C2", "M", AND ALL CURB JOINTS SHALL FOLLOW MoDOT STANDARD PLAN 502.05N AND 609.00P. ISOLATION JOINTS SHALL FOLLOW THE MODIFIED DESIGN DETAILED ABOVE.

ALL ISLANDS SHALL BE SURROUNDED BY ISOLATION JOINTS, EXCEPT WHERE THE ISLAND ABUTS THE ROUNDABOUT PAVEMENT. ALL ISLAND NOSES SHALL STUBBED A REASONABLE DISTANCE BEYOND THE MEDIAN NOSE SO AS TO MAINTAIN A 1:1.25 RATIO OF LENGTH-TO-WIDTH OF THE ADJACENT PAVEMENT PANELS AND TO BE COORDINATED WITH THE PLACEMENT OF PROPOSED DRAINAGE STRUCTURES.

EXPANSION JOINTS SHALL BE INCLUDED ON ALL APPROACHES PER STANDARD 502.05.



SCALE

0 20 40 60

LEGEND

- CONTRACTION JOINT (C2)
- TRANSVERSE JOINT (C1)
- LONGITUDINAL JOINT (L1)
- ISOLATION JOINT (I)
- TONGUE AND GROOVE JOINT (M)
- EXPANSION JOINT (E)
- 2" CORE HOLE
- WIRE MESH REINFORCED PAVEMENT

INTERSTATE 44

JOINTING PLAN

PRELIMINARY

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DATE PREPARED: 3/11/2019

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
SW	47

COUNTY: WEBSTER

JOB NO.: J8I0445

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.:

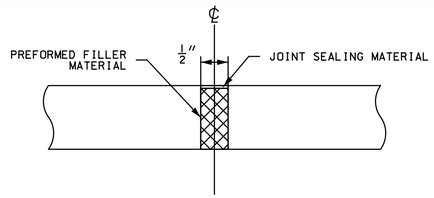
DESCRIPTION	DATE

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ISOLATION JOINT DETAIL (I)



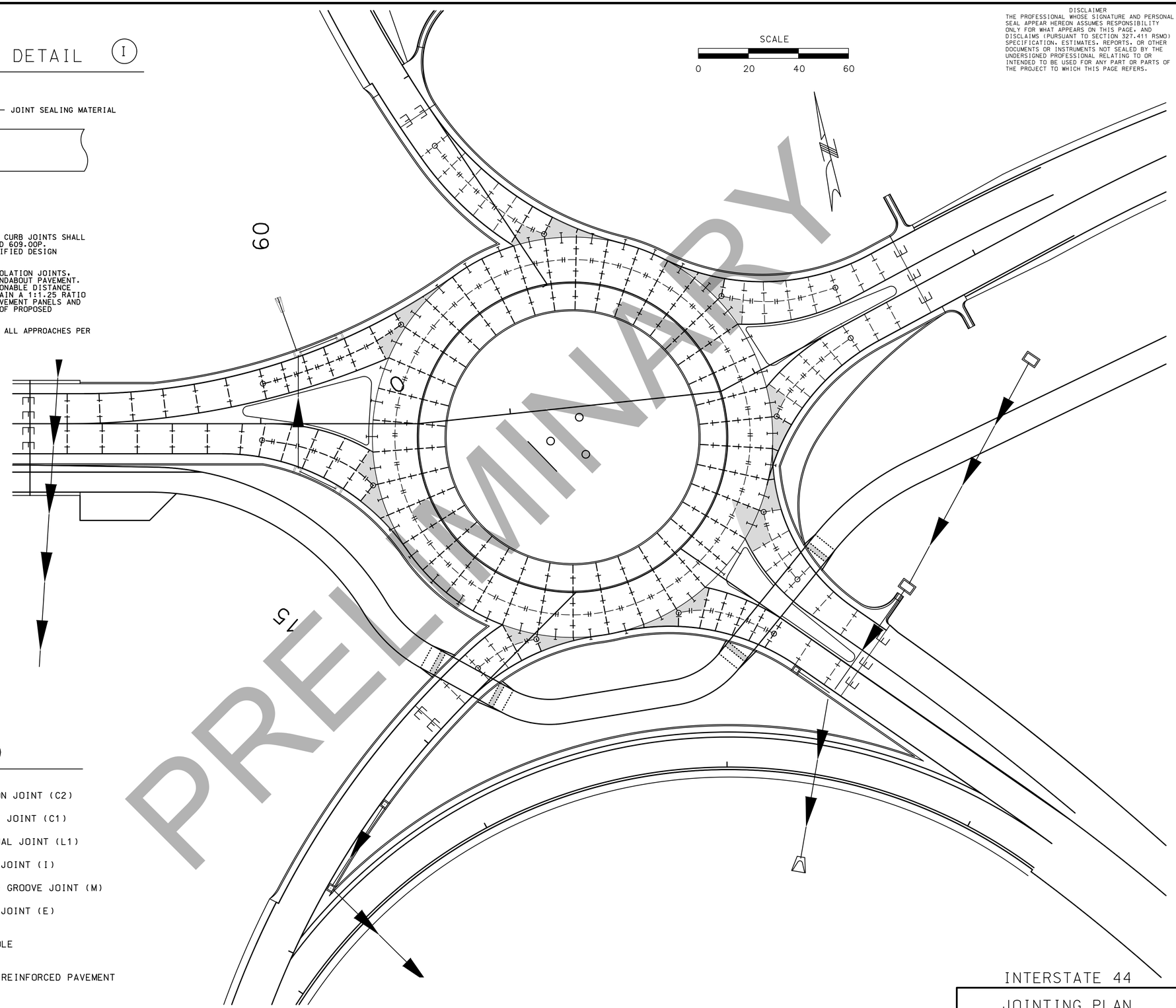
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SCALE
0 20 40 60



LEGEND

- CONTRACTION JOINT (C2)
- TRANSVERSE JOINT (C1)
- LONGITUDINAL JOINT (L1)
- ISOLATION JOINT (I)
- TONGUE AND GROOVE JOINT (M)
- EXPANSION JOINT (E)
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DATE PREPARED: 3/11/2019
ROUTE: I-44 | STATE: MO
DISTRICT: SW | SHEET NO.: 48
COUNTY: WEBSTER
JOB NO.: J8I0445
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DATE	DESCRIPTION

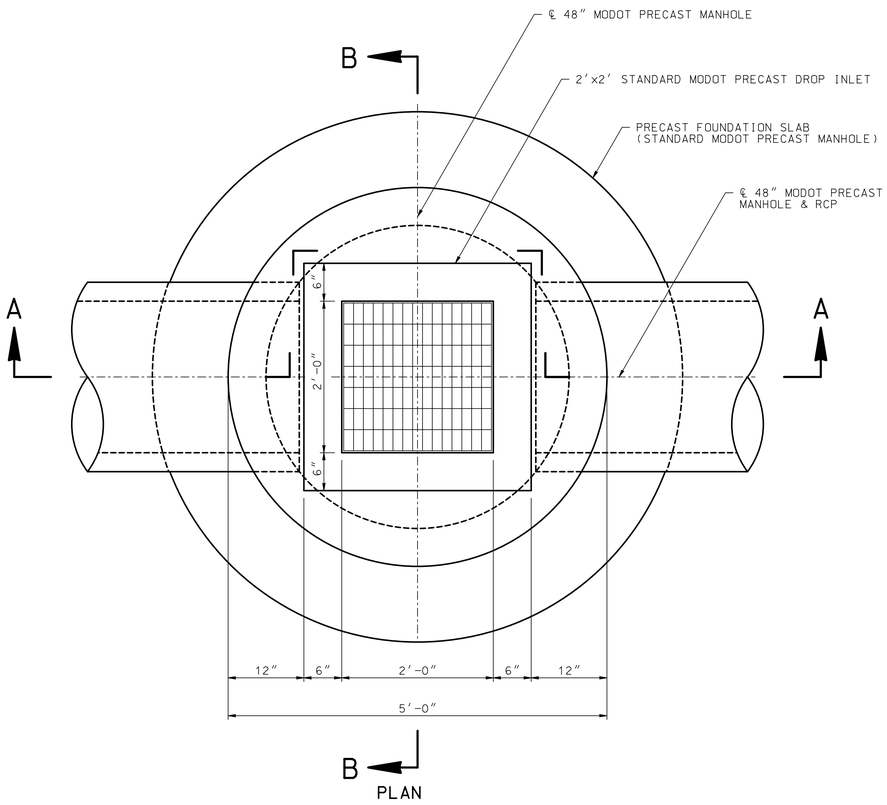
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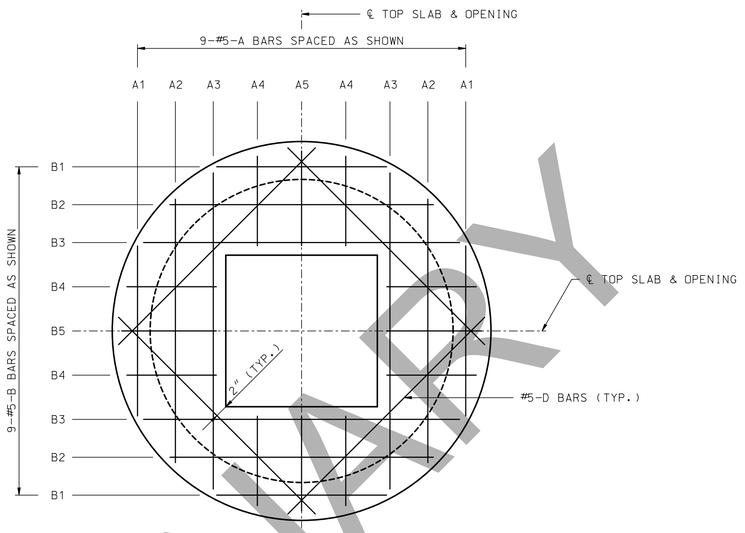
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INTERSTATE 44

JOINTING PLAN





TOP SLAB PLAN OF REINFORCEMENT

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

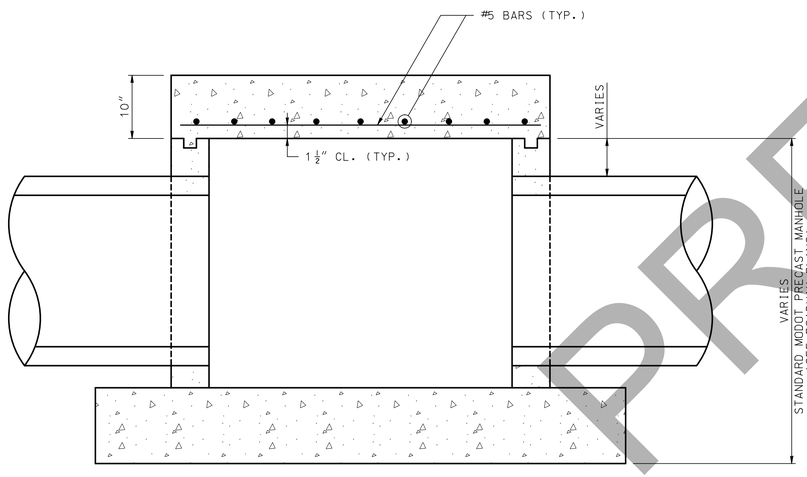
BARBILL FOR TOP SLAB

BAR	NO. OF BARS	LENGTH	WEIGHT (LBS.)
#5 A1	2	2'-3"	5
#5 A2	2	3'-6"	8
#5 A3	2	4'-2"	9
#5 A4	4	1'-2"	5
#5 A5	2	1'-3"	3
#5 B1	2	2'-3"	5
#5 B2	2	3'-6"	8
#5 B3	2	4'-2"	9
#5 B4	4	1'-2"	5
#5 B5	2	1'-3"	3
#5 D	4	3'-7"	15

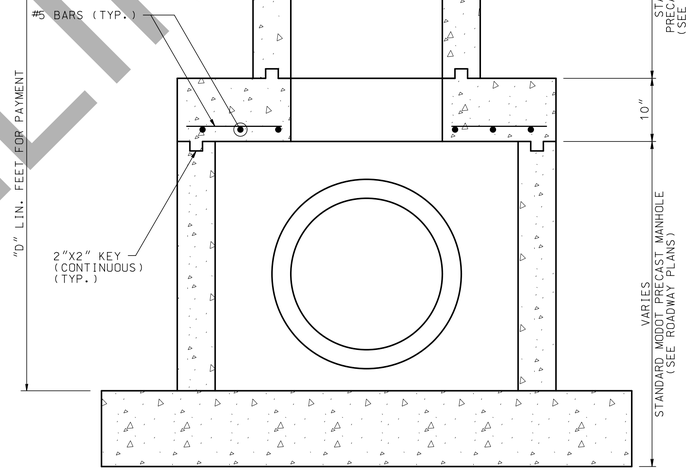
QUANTITY TOTALS (PER TOP SLAB):

REINFORCING STEEL = 75 LBS.

CLASS B-1 CONCRETE = 0.48 CU. YDS.



SECTION A-A



SECTION B-B

NOTES:

ALL WORK INCLUDING STEEL, CONCRETE, REINFORCING BARS AND BACKFILL NECESSARY TO COMPLETE THE CONSTRUCTION SHALL BE CONSIDERED INCIDENTAL TO THE COST OF SPECIAL INLET NO. 1.

ALL CAST-IN-PLACE CONCRETE SHALL MEET THE SPECIFICATIONS OF MODOT CLASS B-1 CONCRETE.

FIELD VERIFY ALL SIZES AND LOCATIONS PRIOR TO CONSTRUCTION/INSTALLATION OF DRAINAGE STRUCTURES AND PIPES.

ALL REINFORCING TO BE GRADE 60 EPOXY COATED STEEL AND SHALL BE IN ACCORDANCE WITH SEC 706.

MINIMUM CLEARANCE TO REINFORCING STEEL SHALL BE 1-1/2" UNLESS OTHERWISE SHOWN.

PRELIMINARY

DETAILS OF SPECIAL INLET NO. 1 (2 FT. X 2 FT. DROP INLET ON 48 IN. MANHOLE BASE)

NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.

SPECIAL INLET NO. 1

SPECIAL SHEETS

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DATE PREPARED 3/11/2019

ROUTE I-44 | STATE MO

DISTRICT SW | SHEET NO. 49

COUNTY WEBSTER

JOB NO. J8I0445

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

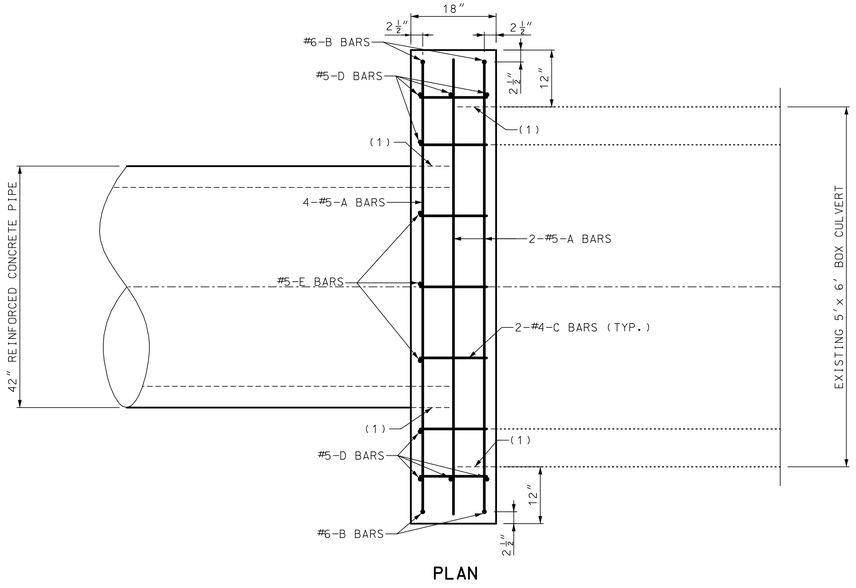
DESCRIPTION | DATE

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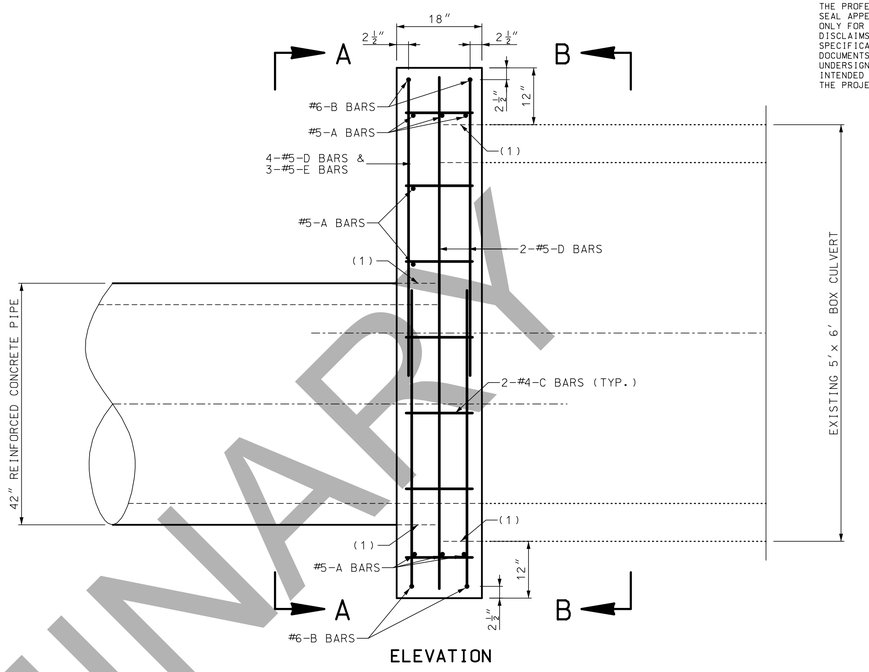
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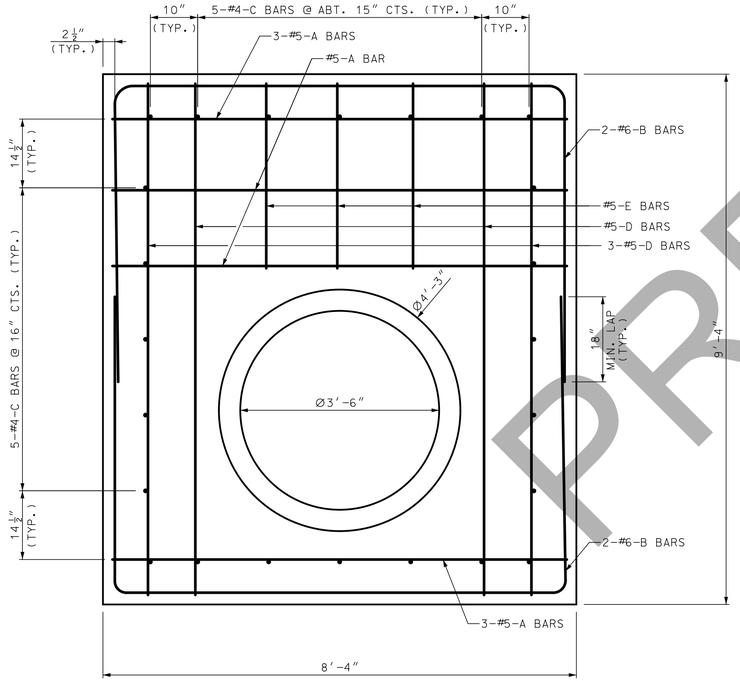
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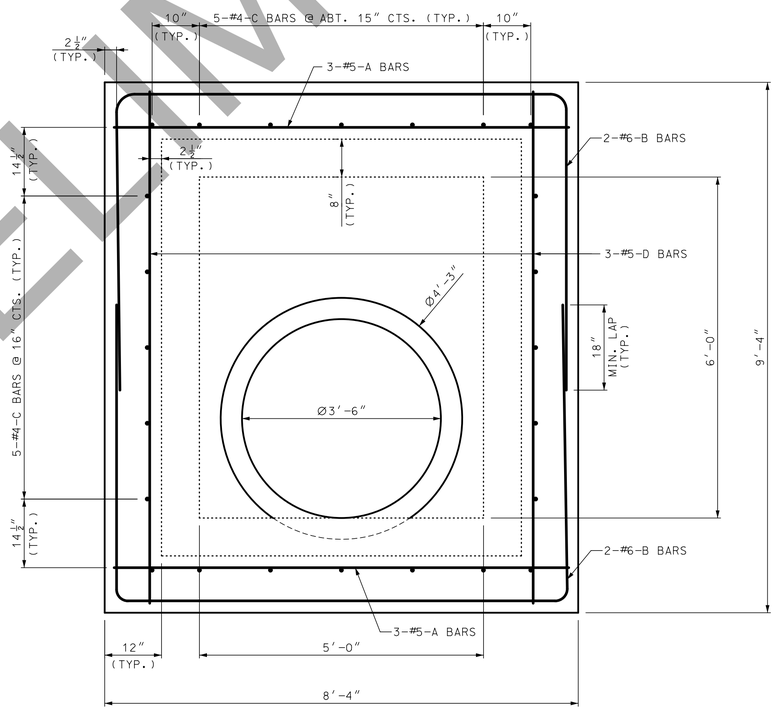
PLAN



ELEVATION



SECTION A-A



SECTION B-B

NOTE:

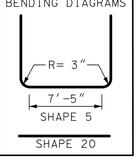
ESTIMATED QUANTITIES PROVIDED. THIS WORK SHALL BE COMPLETELY COVERED BY THE CONTRACT UNIT COST FOR PIPE COLLAR, TYPE C.

ESTIMATED QUANTITIES	
ITEM	TOTAL
CONCRETE CU. YARD	2.64
STEEL POUNDS	282

BILL OF REINFORCING STEEL

NO.	SIZE & MARK	ACTUAL LENGTH	SHAPE	WEIGHT (LBS.)
8	5 A	8′-0″	20	67
4	6 B	18′-1½″	5	109
24	4 C	14″	20	19
8	5 D	9′-0″	20	76
3	5 E	3′-3″	20	11

BENDING DIAGRAMS



(1) ONE LAYER COMMERCIALLY AVAILABLE 55-POUND ROLL ROOFING.

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ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
SW	50

COUNTY: WEBSTER

JOB NO.: J8I0445

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.:

DATE	DESCRIPTION

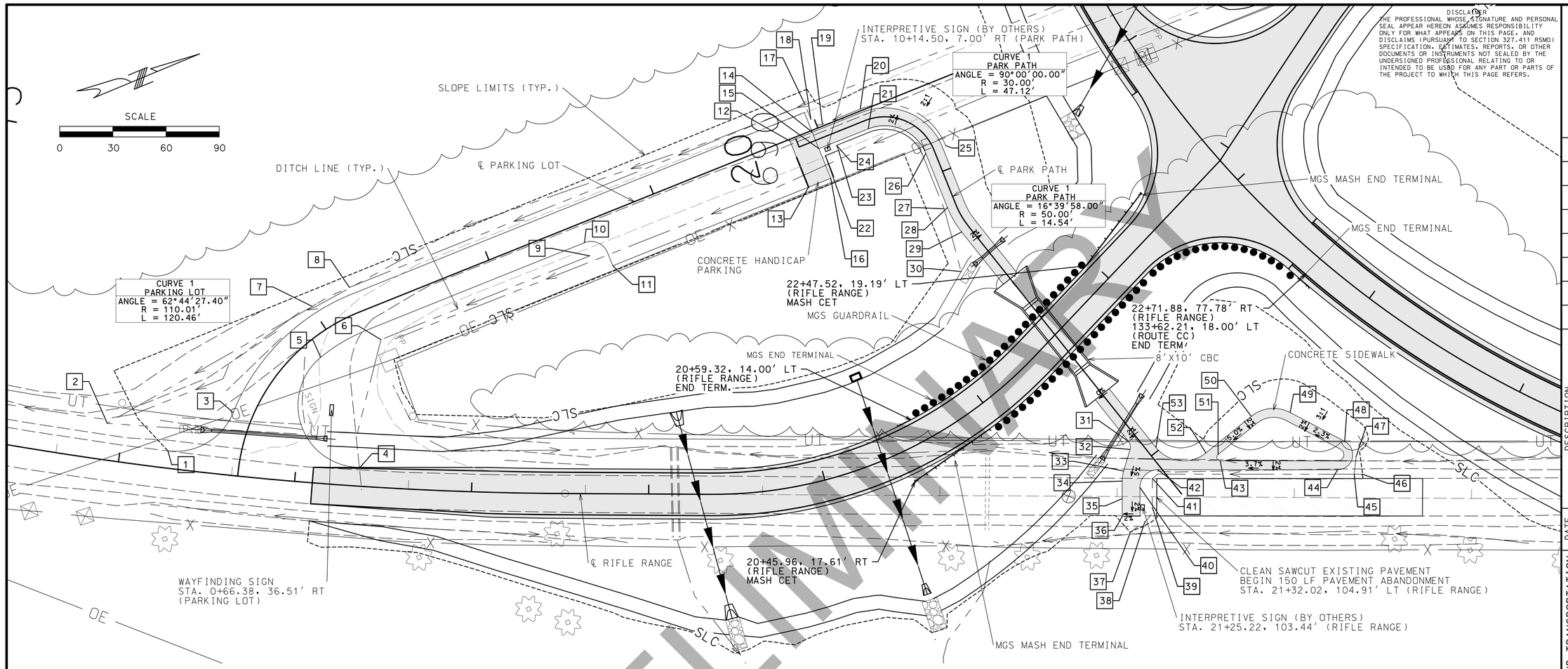
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PIPE COLLAR, TYPE C

SPECIAL SHEETS



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ROUTE	I-44
STATE	MO
DISTRICT	SW
SHEET NO.	51
COUNTY	WEBSTER
JOB NO.	J8I0445
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

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PARKING LOT ALIGNMENT

1	0+07.83, 40.82' LT	ELEV.	1414.37'
2	0+13.67, 77.37' LT	ELEV.	1412.65'
3	0+32.71, 11.00' LT	ELEV.	1415.28'
4	0+28.11, 66.88' RT	ELEV.	1416.95'
5	0+87.65, 11.00' RT	ELEV.	1418.18'
6	1+26.76, 19.00' RT	ELEV.	1418.89'
7	1+00.50, 15.00' LT	ELEV.	1417.08'
8	1+21.24, 11.00' LT	ELEV.	1420.59'
9	2+53.68, 19.00' RT	ELEV.	1420.81'
10	2+53.68, 11.00' RT	ELEV.	1422.81'
11	2+63.68, 29.00' RT	ELEV.	1422.29'
12	3+82.68, 1.00' RT	ELEV.	1425.85'
13	3+82.68, 29.00' RT	ELEV.	1426.23'
14	3+96.18, 1.00' RT	ELEV.	1426.12'
15	3+96.18, 11.00' RT	ELEV.	1426.25'
16	3+96.18, 29.00' RT	ELEV.	1426.50'

PARK PATH ALIGNMENT

17	10+12.00, 21.00' LT	ELEV.	1424.67'
18	10+12.00, 12.00' LT	ELEV.	1424.90'
19	10+17.00, 7.00' LT	ELEV.	1425.05'
20	10+40.00, 7.00' LT	ELEV.	1425.49'
21	10+40.00, 5.00' RT	ELEV.	1426.69'
22	10+12.00, 10.00' RT	ELEV.	1426.36'
23	10+20.00, 10.00' RT	ELEV.	1426.42'
24	10+20.00, 7.00' RT	ELEV.	1426.36'
25	10+87.12, 7.00' LT	ELEV.	1426.43'
26	10+87.12, 5.00' RT	ELEV.	1427.63'
27	11+19.97, 7.00' RT	ELEV.	1428.25'
28	11+19.97, 5.00' RT	ELEV.	1428.21'
29	11+34.51, 5.00' RT	ELEV.	1428.34'
30	11+51.76, 19.17' RT	ELEV.	1426.08'

RIFLE RANGE ALIGNMENT

31	21+40.84, 71.48' RT	ELEV.	1424.45'
32	21+38.46, 75.24' RT	ELEV.	1424.21'
33	21+29.97, 81.22' RT	ELEV.	1423.58'
34	21+26.56, 84.74' RT	ELEV.	1423.30'
35	21+21.57, 92.01' RT	ELEV.	1422.81'
36	21+16.78, 99.40' RT	ELEV.	1422.61'
37	21+15.00, 109.15' RT	ELEV.	1421.00'
38	21+22.10, 110.15' RT	ELEV.	1421.05'
39	21+28.02, 107.12' RT	ELEV.	1421.09'
40	21+30.02, 94.28' RT	ELEV.	1423.17'
41	21+36.19, 95.69' RT	ELEV.	1422.67'
42	21+40.61, 94.41' RT	ELEV.	1423.81'
43	21+68.54, 116.61' RT	ELEV.	1425.19'
44	22+10.43, 168.10' RT	ELEV.	1427.51'

RIFLE RANGE ALIGNMENT

45	22+15.06, 176.62' RT	ELEV.	1427.37'
46	22+18.32, 180.07' RT	ELEV.	1427.58'
47	22+22.96, 170.61' RT	ELEV.	1427.92'
48	22+24.79, 159.97' RT	ELEV.	1428.18'
49	22+15.44, 126.48' RT	ELEV.	1427.34'
50	21+98.83, 112.03' RT	ELEV.	1426.78'
51	21+70.26, 113.25' RT	ELEV.	1425.27'
52	21+66.18, 107.66' RT	ELEV.	1425.13'
53	21+49.03, 85.06' RT	ELEV.	1424.32'

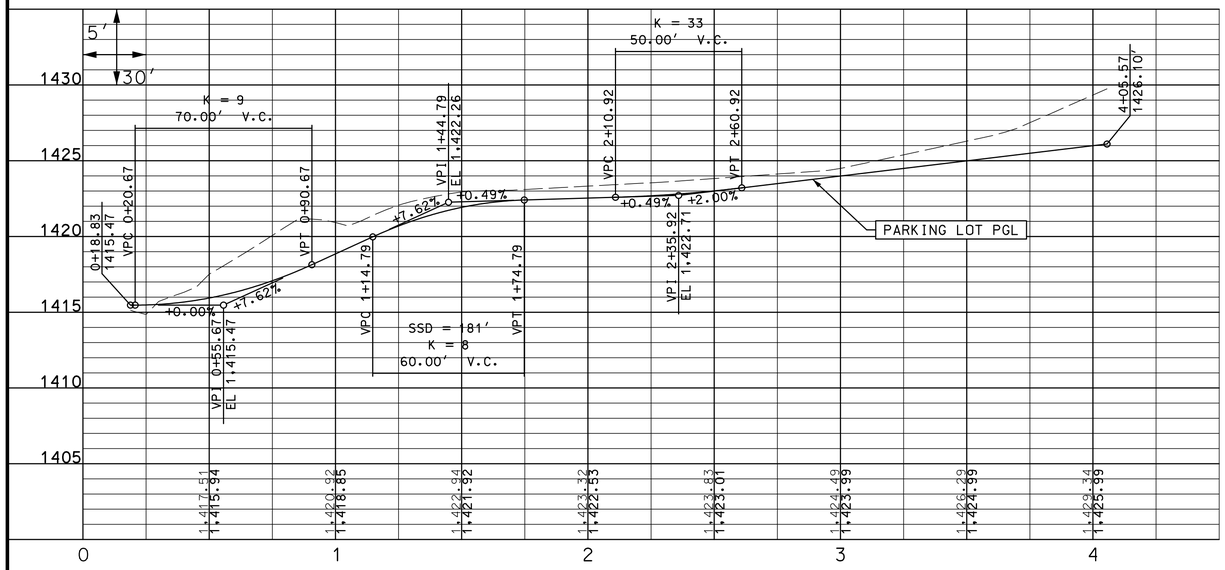
LEGEND

CONCRETE PAVEMENT

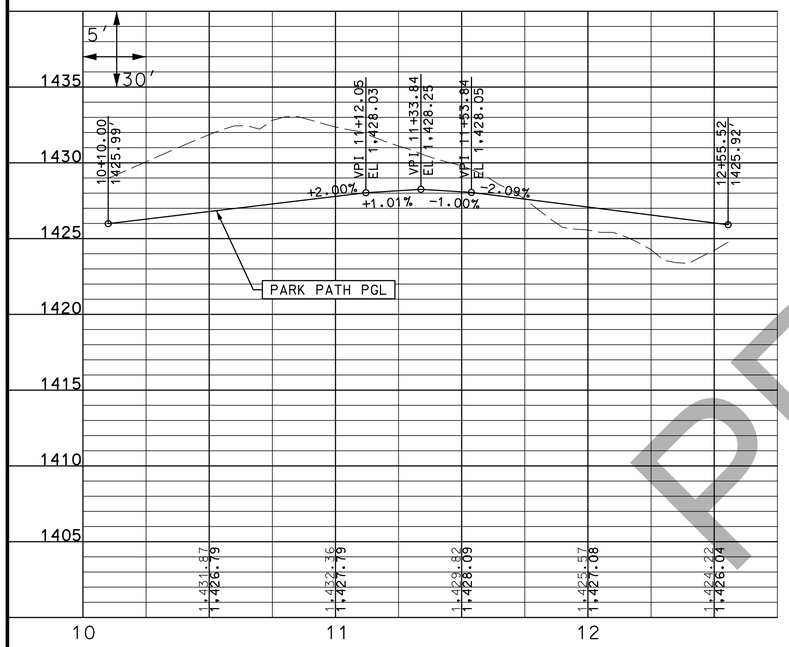
EXISTING PAVEMENT TO REMAIN (DO NOT DISTURB)

ROUTE 66 PARK

SPECIAL SHEETS



PARKING LOT PROFILE



PARK PATH PROFILE

PRELIMINARY

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3/11/2019

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I-44	MO
DISTRICT	SHEET NO.
SW	52

COUNTY
WEBSTER

JOB NO.
J8I0445

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

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ROUTE 66 PARK

SPECIAL SHEETS

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SCALE
0 100 200 300

SIGN LEGEND

ROAD WORK AHEAD — Rate Our Work Zone — modot.org — CONST-7-72 72"x36" (2)

New Interchange — Fall 2020 — CONST-5-96 96"x48" (1)

ROAD WORK AHEAD — WO20-1 48"x48" (3)

SHOULDER WORK AHEAD — WO21-5 48"x48" (4)

SPEED LIMIT 60 — WO3-5 48"x48" (5)

ROAD NARROWS — WO5-1 48"x48" (6)

ROAD CLOSED TO THRU TRAFFIC — R11-4 (7) — R11-4 60"x30"

G020-5aP 36"x24"
WORK ZONE (8a)
SPEED LIMIT 60 (8b) — R2-1 36"x48"

MIN. $250 FINE
SPEEDING WHEN WORKERS PRESENT (3a) — CONST-3A 60"x48"

SPEEDING/PASSING (3b) — CONST-3X 60"X12"

WORK ZONE
NO PHONE ZONE (2a) — CONST-8 48" x 36"

NOTE: THE DIRECTION OF ALL A.W.R.S. STRIPES IS NOT REPRESENTED BY THIS ILLUSTRATION AND SHALL BE DETERMINED FROM THE LOCATION OF THE SIGN RELATIVE TO ONCOMING TRAFFIC AND BY TYPICAL APPLICATIONS OF A.W.R.S. SIGNING

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- SIGN (DOUBLE SIDED)
- FLAGGER
- CONE
- CHANNELIZER
- BARRICADE
- CHANGEABLE MESSAGE BOARD
- WORK AREA
- COMPLETED WORK

ROAD CLOSED AHEAD — WO20-3 48" x 48" — (20)

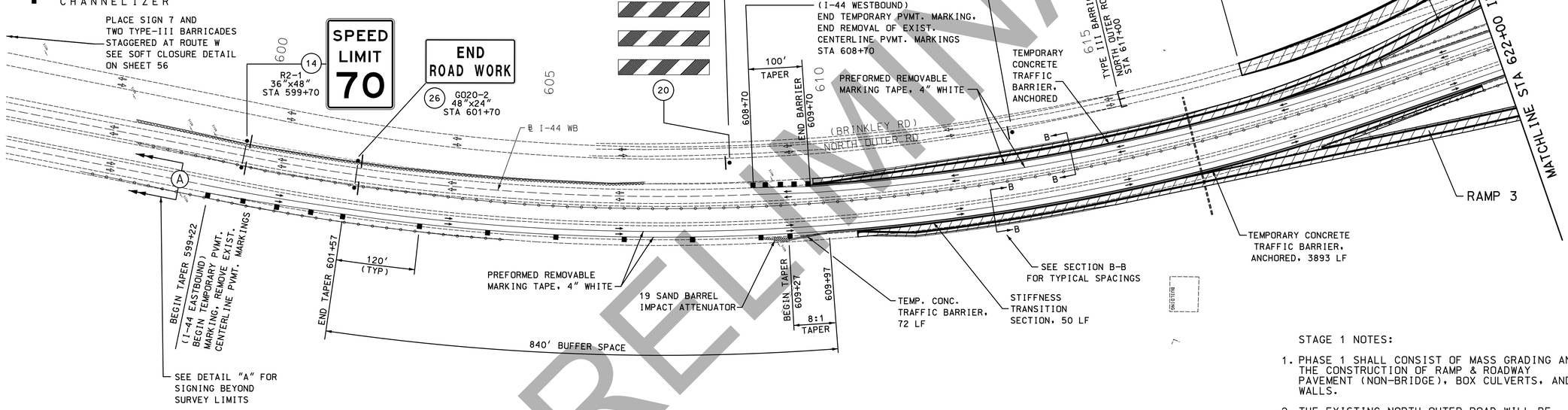
ROAD CLOSED 500 FT — WO20-3a 48" x 48" — (31)

ROAD CLOSED — R11-2 48" x 30" — SIGN SHALL BE PLACED ON OR ABOVE TYPE III BARRICADE. (EPG 616.6.8) STA 617+00.00 NORTH OUTER ROAD (29)

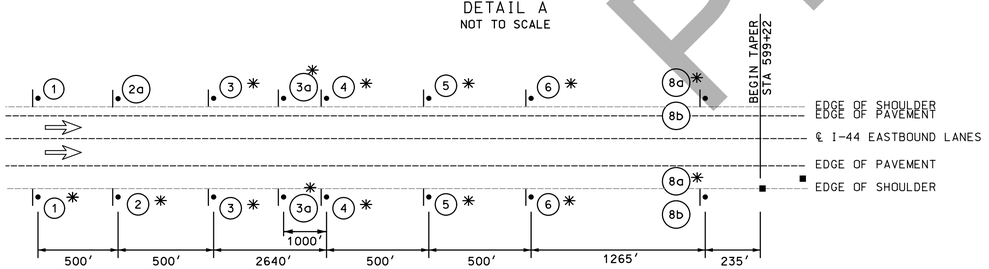
PLACE SIGN 7 AND TWO TYPE-III BARRICADES STAGGERED AT ROUTE W SEE SOFT CLOSURE DETAIL ON SHEET 56

SPEED LIMIT 70 — R2-1 36"x48" STA 599+70 (14)

END ROAD WORK — G020-2 48"x24" STA 601+70 (26)

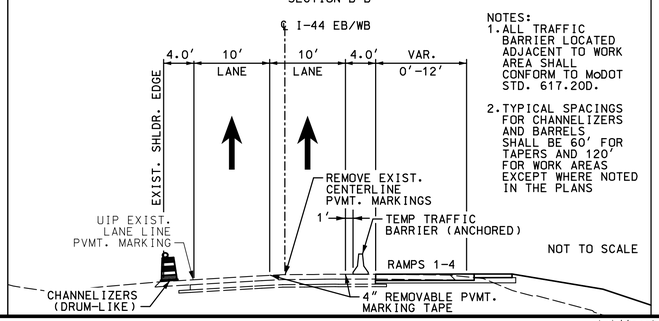


DETAIL A
NOT TO SCALE



✳ SEE SIGN LEGEND

TYPICAL SPACINGS THROUGH WORK ZONE
SECTION B-B



NOTES:
1. ALL TRAFFIC BARRIER LOCATED ADJACENT TO WORK AREA SHALL CONFORM TO MoDOT STD. 617.20D.
2. TYPICAL SPACINGS FOR CHANNELIZERS AND BARRELS SHALL BE 60' FOR TAPERS AND 120' FOR WORK AREAS EXCEPT WHERE NOTED IN THE PLANS

NOT TO SCALE

STAGE 1 NOTES:

1. PHASE 1 SHALL CONSIST OF MASS GRADING AND THE CONSTRUCTION OF RAMP & ROADWAY PAVEMENT (NON-BRIDGE), BOX CULVERTS, AND WALLS.
2. THE EXISTING NORTH OUTER ROAD WILL BE CLOSED AT THE CONSTRUCTION LIMITS FOR THE DURATION OF PHASE 1. SEE DETOUR PLAN - STAGE 1 FOR SIGNING.
3. EXISTING MARSHALL ROAD, RIFLE RANGE ROAD AND ROUTE CC REMAINS OPEN.
4. BARRIER IS ERECTED ALONG I-44 AND THE TRAVEL LANES NARROWED TO ALLOW FOR WORKING ROOM AS THE RAMP TIE-INS ARE CONSTRUCTED.
5. CONSTRUCT BRIDGE END BENTS & WALLS.
6. COMPLETE ROUTE CC CONSTRUCTION IN WORK AREAS AS SHOWN.
7. CONFLICTING SIGNS SHALL BE COVERED

STAGE 1

TRAFFIC CONTROL
SHEET 1 OF 14

PRELIMINARY

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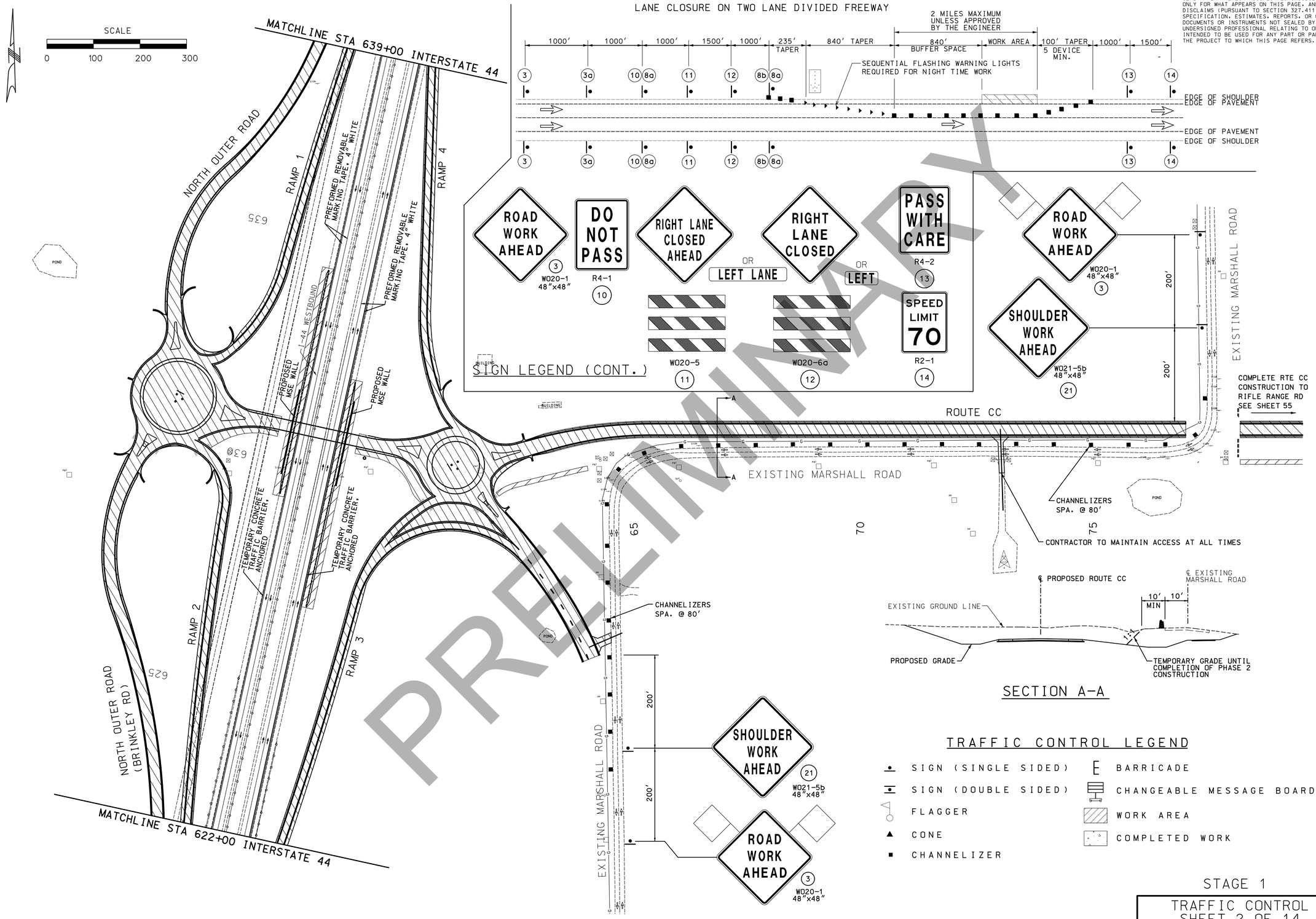
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ROUTE I-44 | STATE MO
DISTRICT SW | SHEET NO. 53
COUNTY WEBSTER
JOB NO. J8I0445
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

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DISTRICT SW | SHEET NO. 54
COUNTY WEBSTER
JOB NO. J8I0445
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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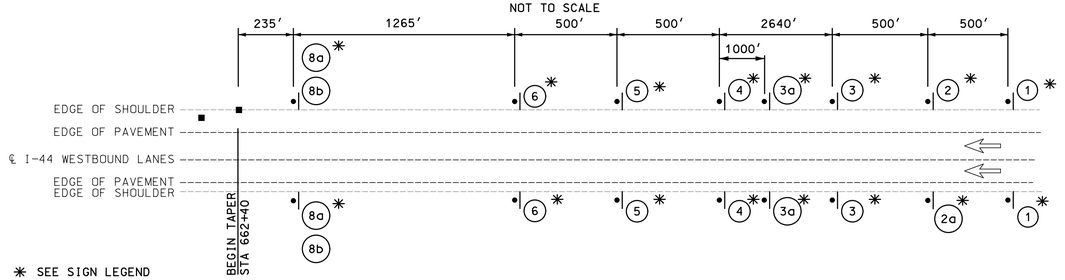
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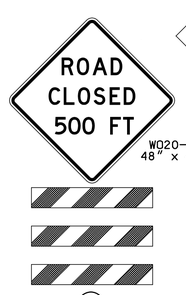
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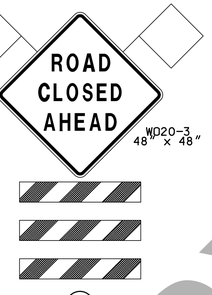
TRAFFIC CONTROL SHEET 2 OF 14

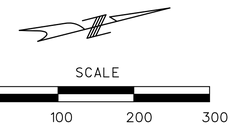
PRELIMINARY

DETAIL B
NOT TO SCALE

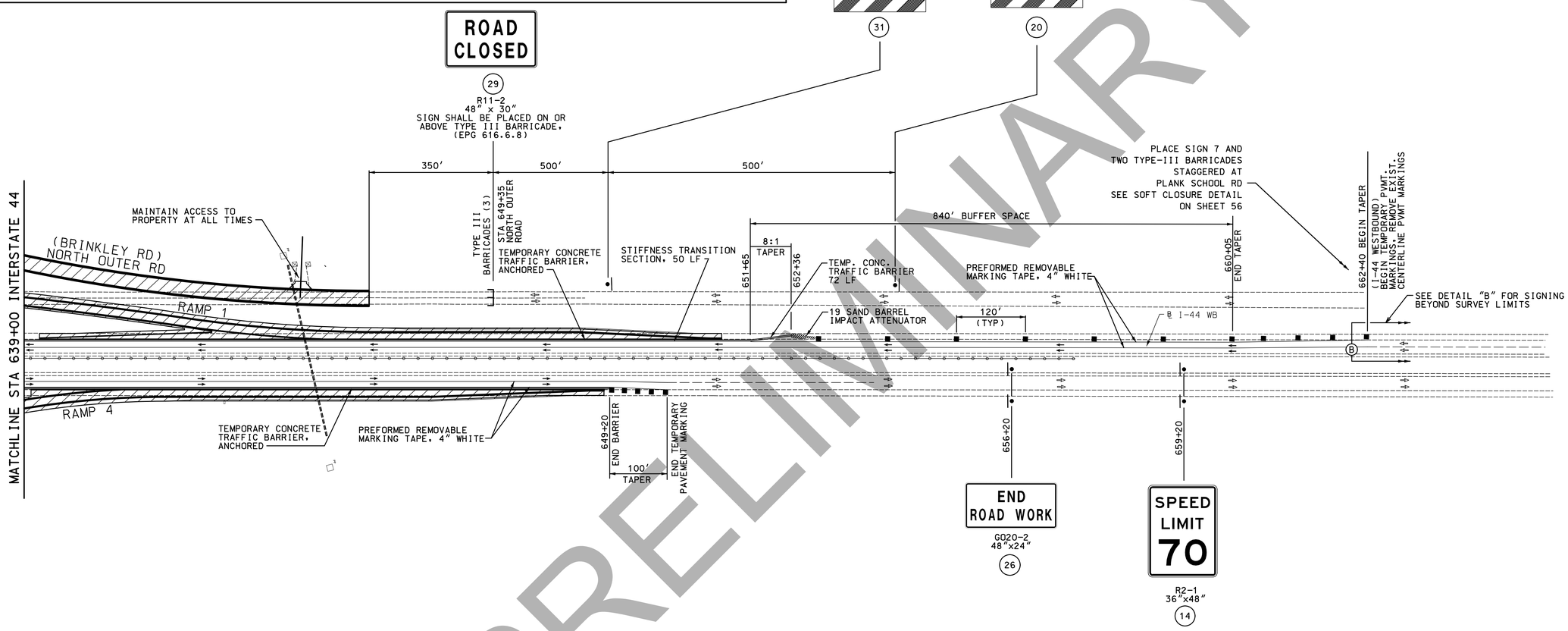






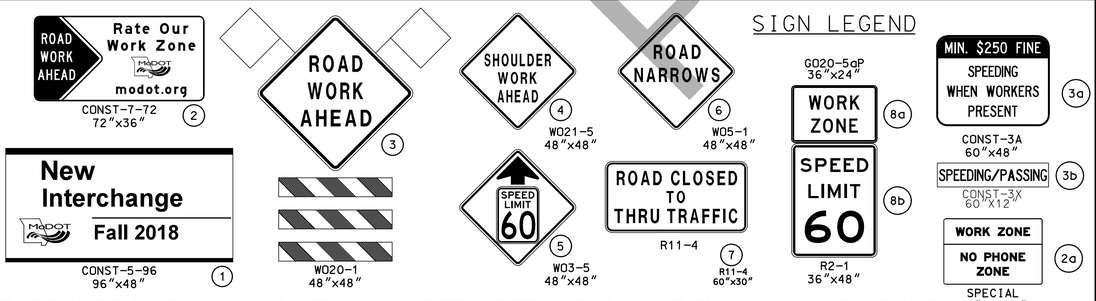


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PRELIMINARY

SIGN LEGEND



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TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- SIGN (DOUBLE SIDED)
- FLAGGER
- CONE
- CHANNELIZER
- BARRICADE
- CHANGEABLE MESSAGE BOARD
- WORK AREA
- COMPLETED WORK

STAGE 1

TRAFFIC CONTROL SHEET 3 OF 14

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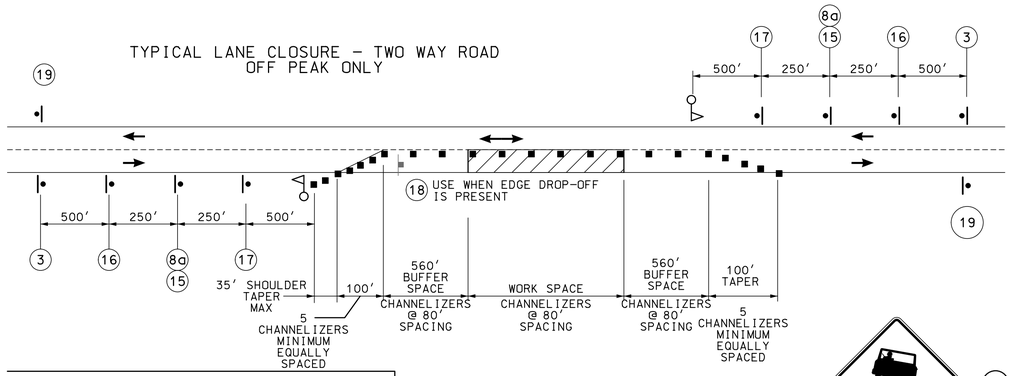
ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
SW	55

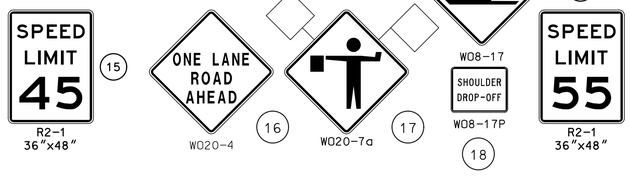
COUNTY: WEBSTER
JOB NO.: J8I0445
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

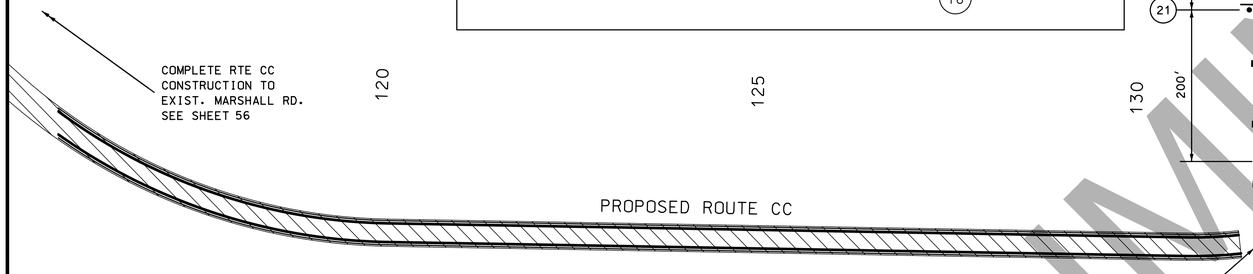
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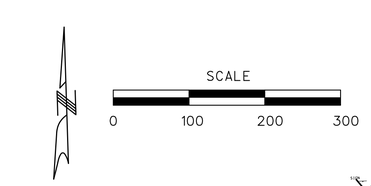
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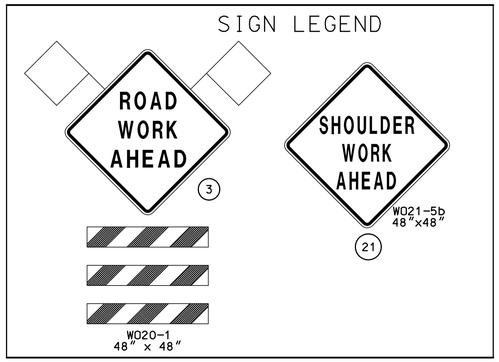
TYPICAL LANE CLOSURE – TWO WAY ROAD
OFF PEAK ONLY





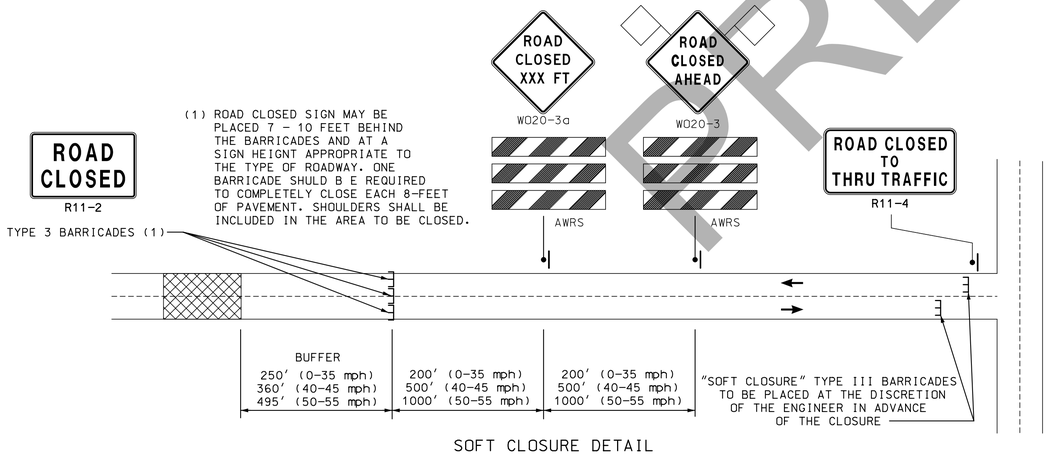






TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- SIGN (DOUBLE SIDED)
- FLAGGER
- CONE
- CHANNELIZER
- BARRICADE
- CHANGEABLE MESSAGE BOARD
- WORK AREA
- COMPLETED WORK



SOFT CLOSURE DETAIL

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STAGE 1

TRAFFIC CONTROL
SHEET 4 OF 14

PRELIMINARY

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STATE	MO
DISTRICT	SW
SHEET NO.	56
COUNTY	WEBSTER
JOB NO.	J8I0445
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION | DATE

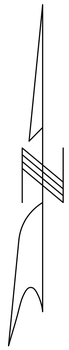
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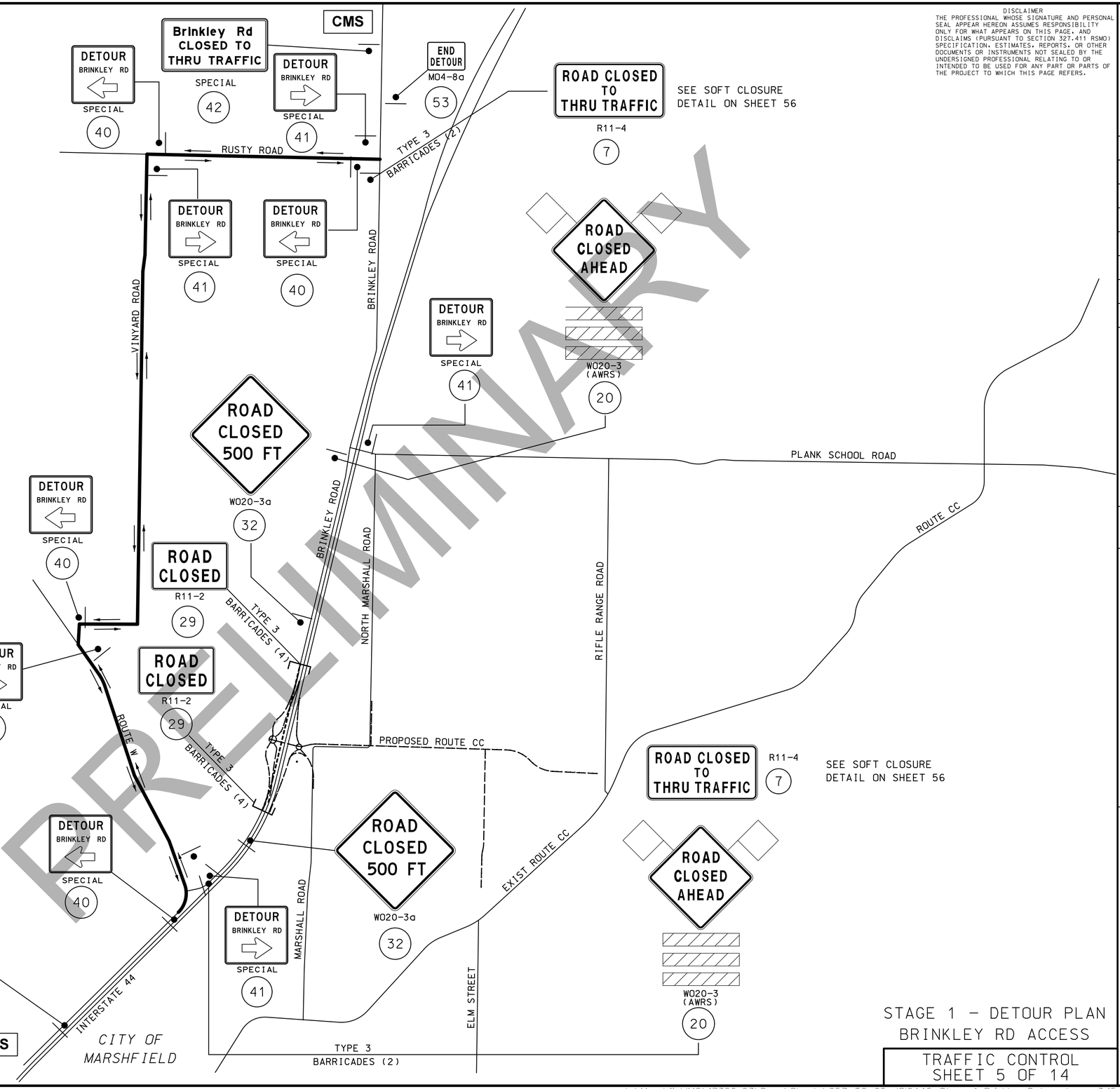
SCALE

0 1200 2400 3600 4800 6000



LEGEND

- TYPE III BARRICADE
- CONSTRUCTION SIGN
- CMS — CHANGEABLE MESSAGE SIGN
- DETOUR ROUTE
- ROAD CLOSURE SECTION



PRELIMINARY

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DISTRICT SW | SHEET NO. 57
COUNTY WEBSTER
JOB NO. J8I0445
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

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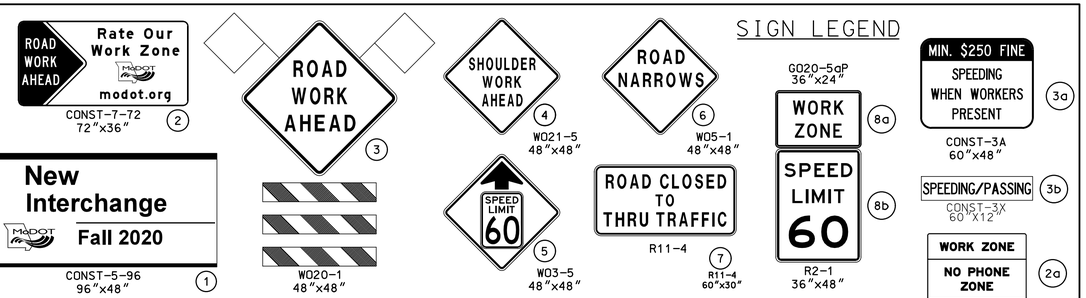
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STAGE 1 – DETOUR PLAN
BRINKLEY RD ACCESS

TRAFFIC CONTROL
SHEET 5 OF 14

L:\MarshfieldMO\17322-03\Draw\Sheets\057_TC_05_J8I0445_Stage_1_Brinkley_Detour.dgn 3:15:58 PM 3/11/2019

SIGN LEGEND



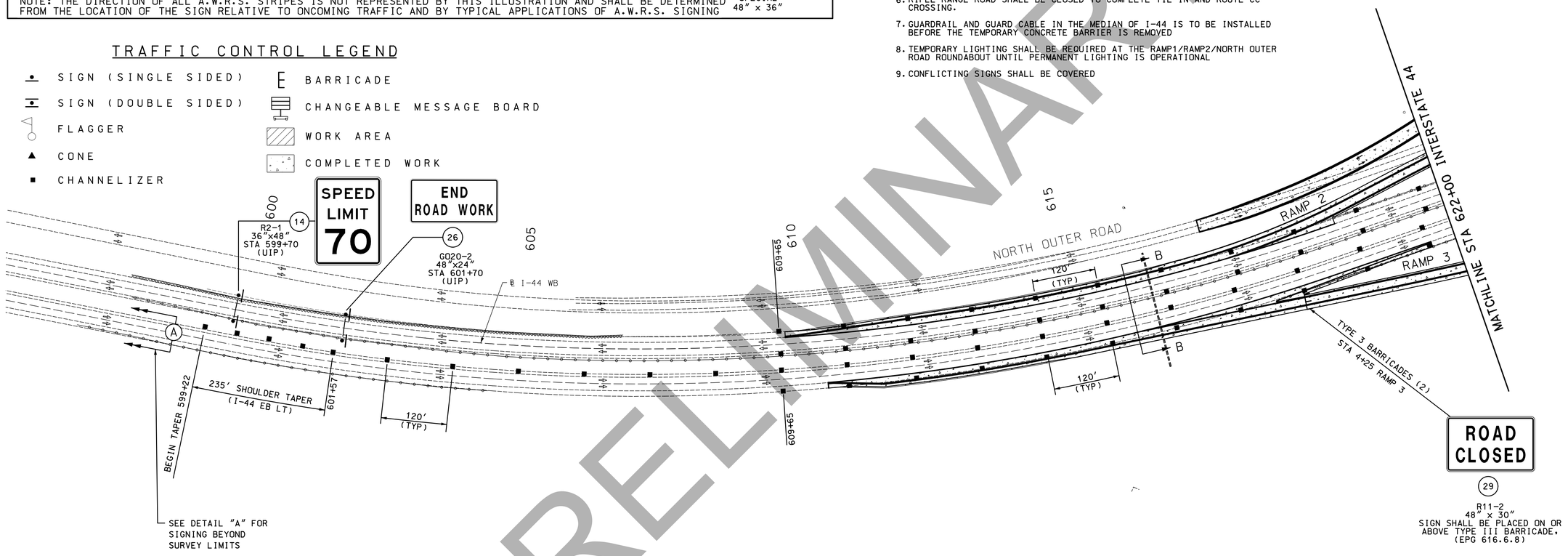
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TRAFFIC CONTROL LEGEND

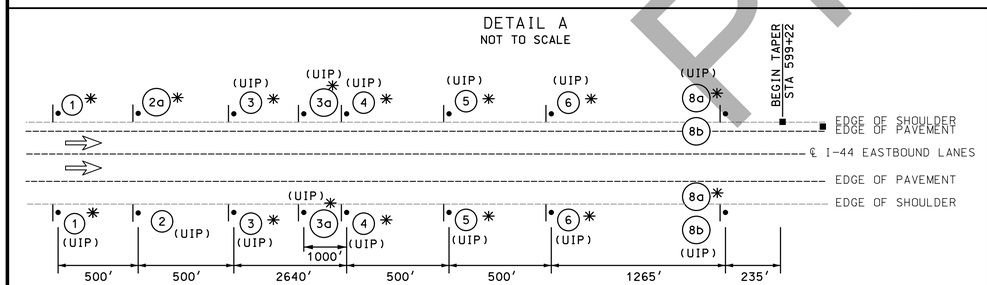
- SIGN (SINGLE SIDED)
- SIGN (DOUBLE SIDED)
- FLAGGER
- CONE
- CHANNELIZER
- BARRICADE
- CHANGEABLE MESSAGE BOARD
- WORK AREA
- COMPLETED WORK

PHASE 2 NOTES:

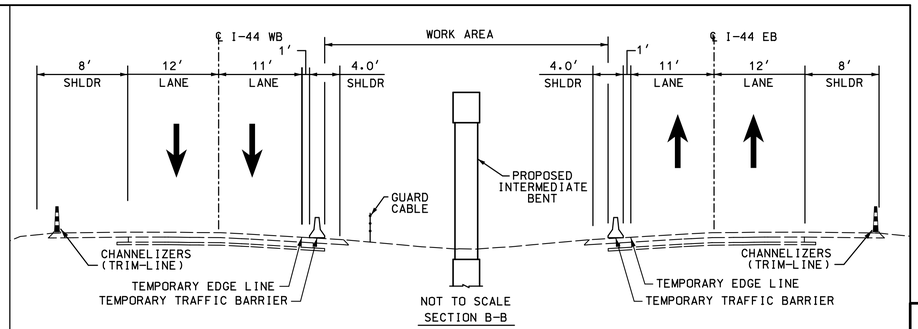
1. TEMPORARY TRAFFIC BARRIER AND TWO IMPACT ATTENUATOR ARRAYS SHALL BE RELOCATED TO THE INSIDE SHOULDER OF THE I-44 AFTER COMPLETION OF WORK ON THE RAMP TERMINAL PAVEMENT TO THE OUTSIDE OF THE I-44 CLEARZONE. OTHER PORTIONS OF PHASE 1 WORK MAY CONTINUE INTO PHASE 2. THE INSIDE SHOULDER SHALL BE CLOSED TO BUILD THE INTERMEDIATE BENT AND THE I-44 PAVEMENT MARKINGS SHALL BE RESTORED TO THEIR ORIGINAL STATE. OTHER PAVEMENT WORK SHALL CONTINUE.
2. TRAFFIC PACING FOR GIRDER PLACEMENT TO BE COORDINATED WITH THE ENGINEER AND HIGHWAY PATROL. GIRDER PLACEMENT WILL ONLY BE ALLOWED BETWEEN THE HOURS OF 10 PM AND 6 AM. PROVIDE TWO-WEEK ADVANCE NOTICE TO THE ENGINEER PRIOR TO REQUESTED DATES FOR GIRDER PLACEMENT.
3. CHANNELIZERS AND BARRICADES SHALL BE PLACED AS SHOWN TO CLOSE THE COMPLETED RAMPS FROM TRAFFIC.
4. OPEN NORTH OUTER ROAD (BRINKLEY RD) TO TRAFFIC.
5. EXISTING MARSHALL ROAD SHALL BE CLOSED TO COMPLETE MARSHALL ROAD TIE-IN AND ROUTE CC CROSSING. RIFLE RANGE ROAD MUST REMAIN OPEN WHILE MARSHALL ROAD IS CLOSED. SEE DETOUR PLAN – STAGE 2 FOR SIGNING.
6. RIFLE RANGE ROAD SHALL BE CLOSED TO COMPLETE TIE-IN AND ROUTE CC CROSSING.
7. GUARDRAIL AND GUARD CABLE IN THE MEDIAN OF I-44 IS TO BE INSTALLED BEFORE THE TEMPORARY CONCRETE BARRIER IS REMOVED
8. TEMPORARY LIGHTING SHALL BE REQUIRED AT THE RAMP1/RAMP2/NORTH OUTER ROAD ROUNDABOUT UNTIL PERMANENT LIGHTING IS OPERATIONAL
9. CONFLICTING SIGNS SHALL BE COVERED



DETAIL A
NOT TO SCALE



✳ SEE SIGN LEGEND



NOT TO SCALE
SECTION B-B

TYPICAL BARRIER PLACEMENT THROUGH WORK ZONE

STAGE 2

TRAFFIC CONTROL
SHEET 6 OF 14

PRELIMINARY

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DISTRICT: SW | SHEET NO.: 58
COUNTY: WEBSTER
JOB NO.: J8I0445
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

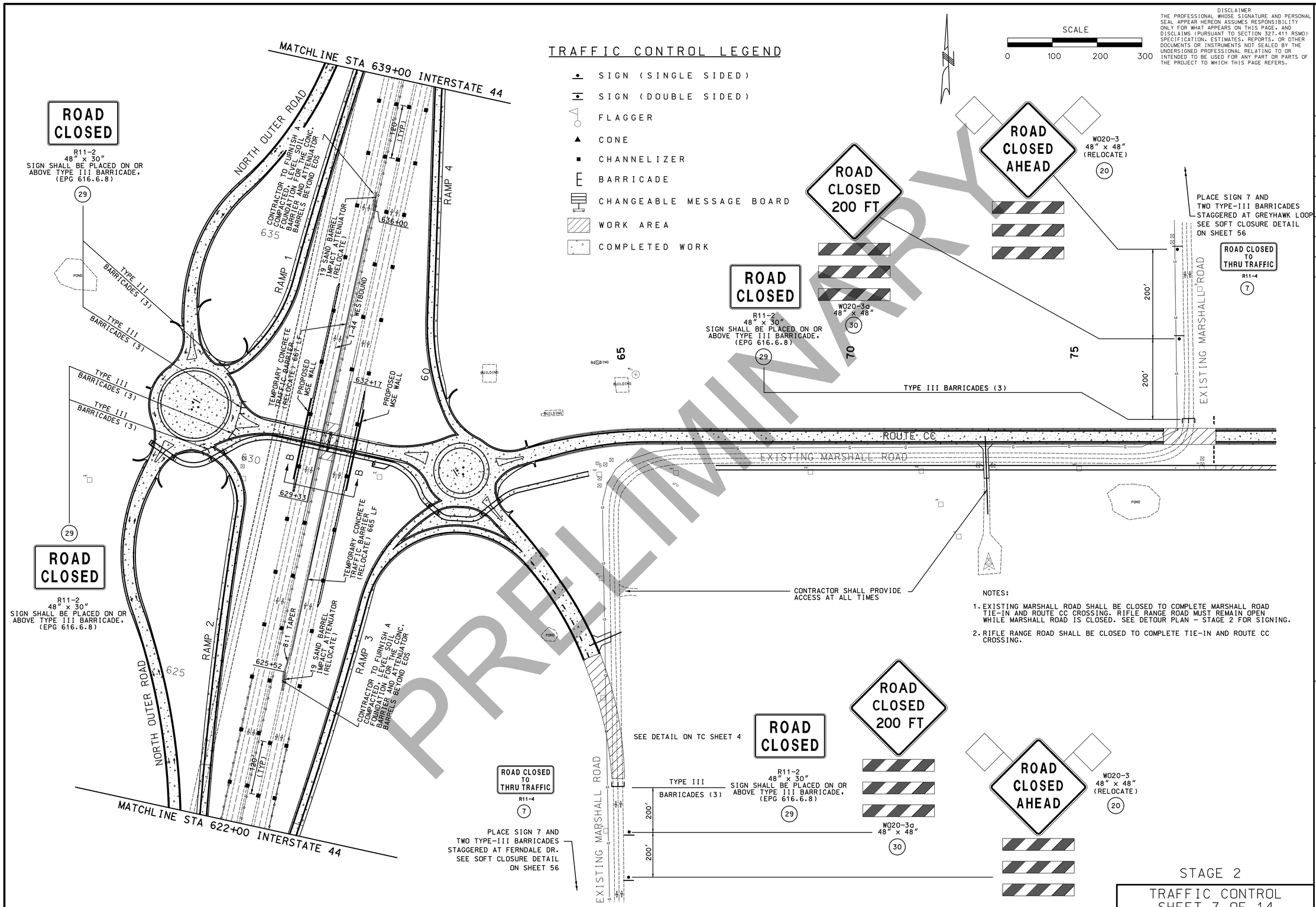
DESCRIPTION | DATE

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TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- SIGN (DOUBLE SIDED)
- FLAGGER
- CONE
- CHANNELIZER
- BARRICADE
- CHANGEABLE MESSAGE BOARD
- WORK AREA
- COMPLETED WORK

SCALE
0 100 200 300

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NOTES:

1. EXISTING MARSHALL ROAD SHALL BE CLOSED TO COMPLETE MARSHALL ROAD TIE-IN AND ROUTE CC CROSSING. RIFLE RANGE ROAD MUST REMAIN OPEN WHILE MARSHALL ROAD IS CLOSED. SEE DETOUR PLAN – STAGE 2 FOR SIGNING.
2. RIFLE RANGE ROAD SHALL BE CLOSED TO COMPLETE TIE-IN AND ROUTE CC CROSSING.

PRELIMINARY

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DATE PREPARED 3/11/2019

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
SW	59

COUNTY: WEBSTER
JOB NO.: J8I0445
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DATE	DESCRIPTION

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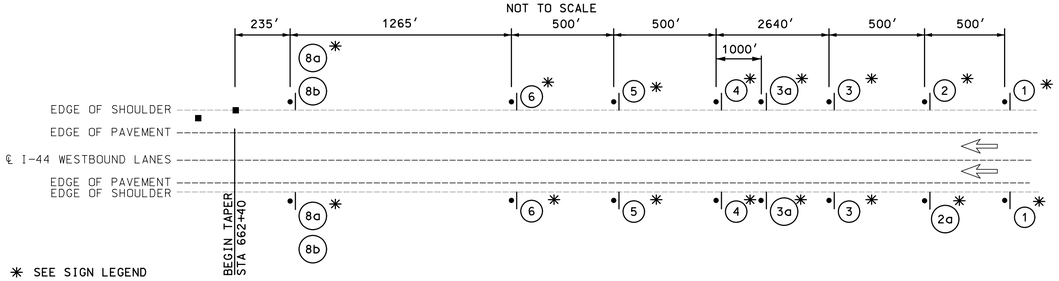
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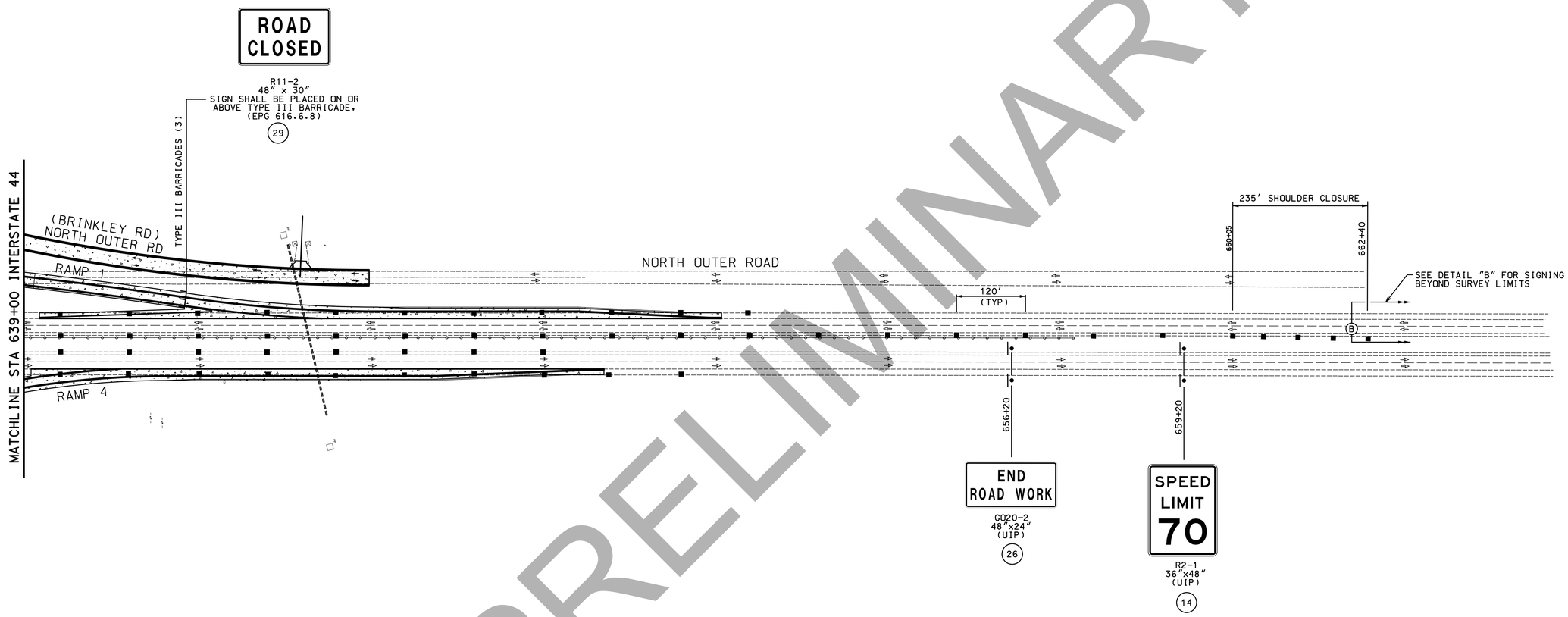
STAGE 2

TRAFFIC CONTROL
SHEET 7 OF 14

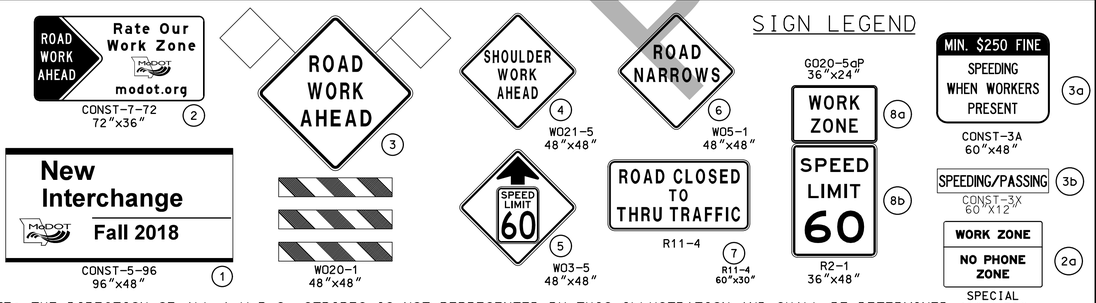
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DETAIL B
NOT TO SCALE





SIGN LEGEND



NOTE: THE DIRECTION OF ALL A.W.R.S. STRIPES IS NOT REPRESENTED BY THIS ILLUSTRATION AND SHALL BE DETERMINED FROM THE LOCATION OF THE SIGN RELATIVE TO ONCOMING TRAFFIC AND BY TYPICAL APPLICATIONS OF A.W.R.S. SIGNING

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- SIGN (DOUBLE SIDED)
- FLAGGER
- CONE
- CHANNELIZER
- BARRICADE
- CHANGEABLE MESSAGE BOARD
- WORK AREA
- COMPLETED WORK

SCALE
0 100 200 300

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I-44	MO
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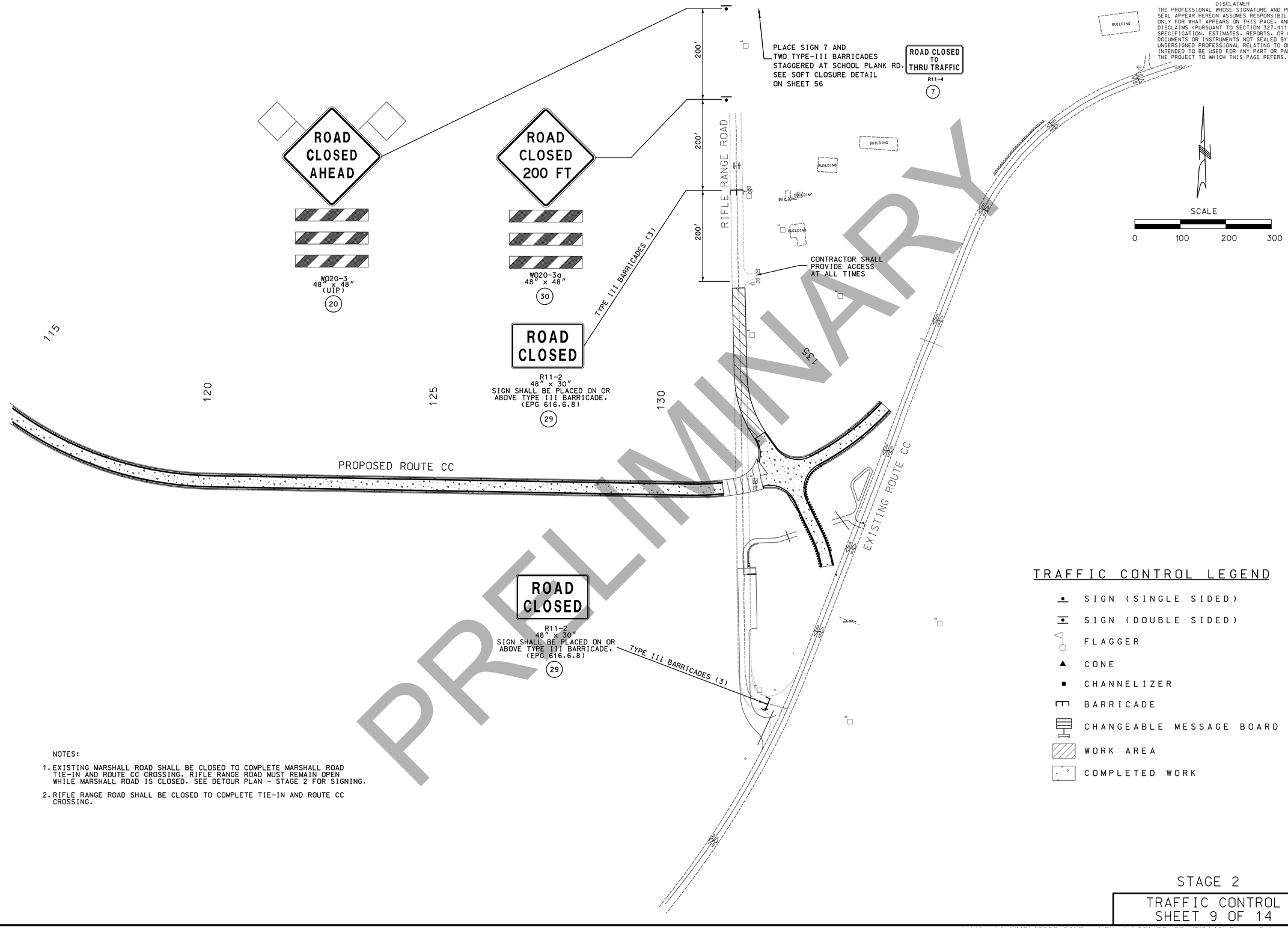
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STAGE 2

TRAFFIC CONTROL
SHEET 8 OF 14



PRELIMINARY

NOTES:

1. EXISTING MARSHALL ROAD SHALL BE CLOSED TO COMPLETE MARSHALL ROAD TIE-IN AND ROUTE CC CROSSING. RIFLE RANGE ROAD MUST REMAIN OPEN WHILE MARSHALL ROAD IS CLOSED. SEE DETOUR PLAN - STAGE 2 FOR SIGNING.
2. RIFLE RANGE ROAD SHALL BE CLOSED TO COMPLETE TIE-IN AND ROUTE CC CROSSING.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- SIGN (DOUBLE SIDED)
- FLAGGER
- CONE
- CHANNELIZER
- BARRICADE
- CHANGEABLE MESSAGE BOARD
- WORK AREA
- COMPLETED WORK

STAGE 2

TRAFFIC CONTROL
SHEET 9 OF 14

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SCALE

0 1200 2400 3600 4800 6000



Marshall Rd CLOSED TO THRU TRAFFIC
SPECIAL
46

DETOUR MARSHALL RD
SPECIAL
45

DETOUR MARSHALL RD
SPECIAL
43

DETOUR MARSHALL RD
SPECIAL
43

Marshall Rd CLOSED TO THRU TRAFFIC
SPECIAL
46

PLANK SCHOOL ROAD

END DETOUR
M04-8a
52

DETOUR MARSHALL RD
SPECIAL
44

DETOUR MARSHALL RD
SPECIAL
44

DETOUR MARSHALL RD
SPECIAL
43

NORTH MARSHALL ROAD

RIFLE RANGE ROAD

ROUTE CC

ROAD CLOSED TO THRU TRAFFIC
R11-4
7

PLACE SIGN 7 AND TWO TYPE-III BARRICADES STAGGERED AT GREWHAWK LOOP SEE SOFT CLOSURE DETAIL ON SHEET 56

TYPE III BARRICADES (3)

ROAD CLOSED
R11-2
29

PROPOSED ROUTE CC

DETOUR MARSHALL RD
SPECIAL
44

TYPE III BARRICADES (3)

ROAD CLOSED
R11-2
29

EXIST ROUTE CC

DETOUR MARSHALL RD
SPECIAL
43

MARSHALL ROAD

END DETOUR
M04-8a
53

DETOUR MARSHALL RD
SPECIAL
44

INTERSTATE 44

ELM STREET

TRACKS ROAD

CITY OF MARSHFIELD

SPUR DRIVE

DETOUR MARSHALL RD
SPECIAL
45

Marshall Rd CLOSED TO THRU TRAFFIC
SPECIAL
46

ROUTE DD

CITY OF NIANGUA

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LEGEND

	TYPE III BARRICADE
	CONSTRUCTION SIGN
CMS	CHANGEABLE MESSAGE SIGN
	DETOUR ROUTE
	ROAD CLOSURE SECTION

STAGE 2 – DETOUR PLAN
MARSHALL RD ACCESS

TRAFFIC CONTROL
SHEET 10 OF 14

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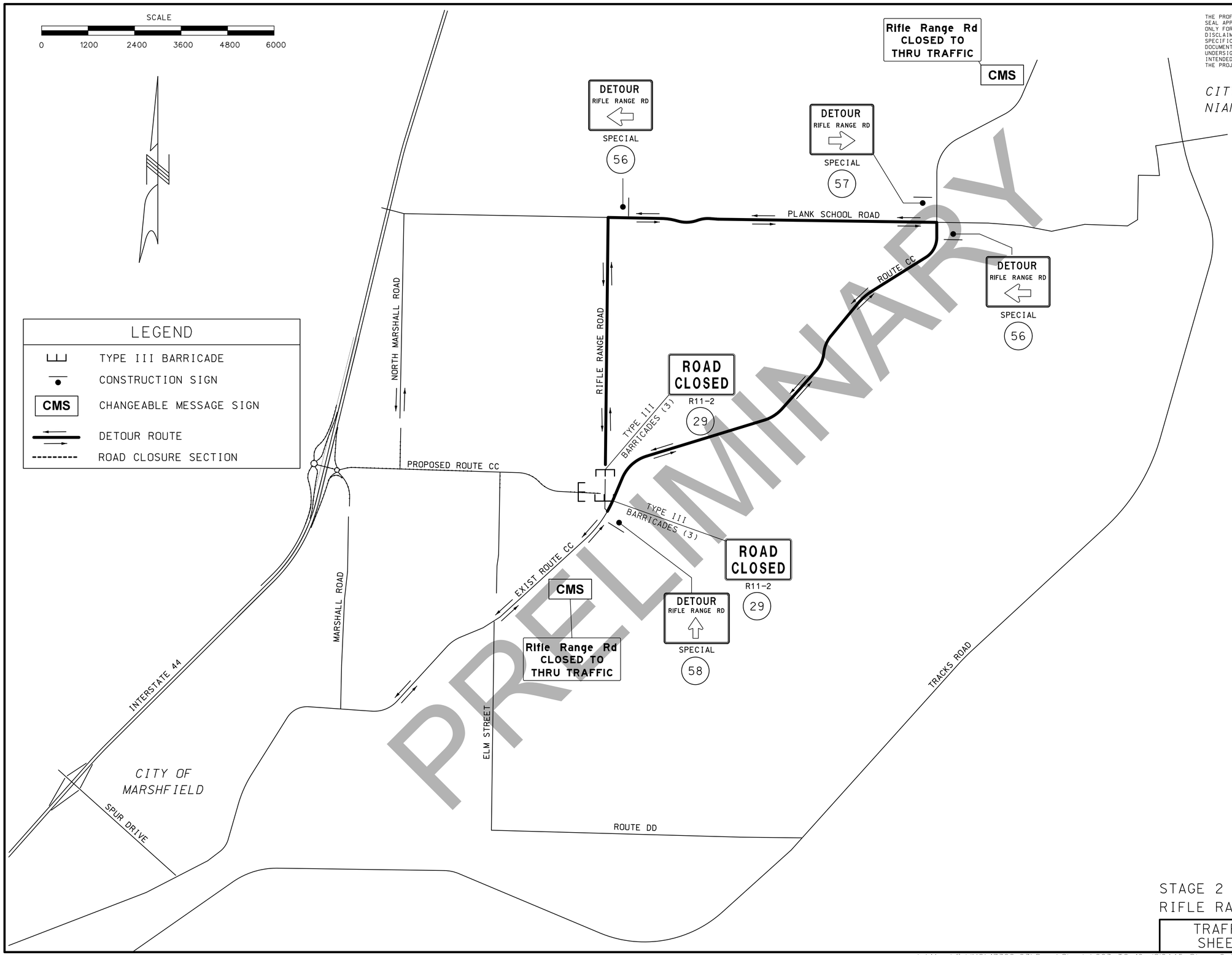
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SCALE

0 1200 2400 3600 4800 6000

LEGEND

- TYPE III BARRICADE
- CONSTRUCTION SIGN
- CMS — CHANGEABLE MESSAGE SIGN
- DETOUR ROUTE
- ROAD CLOSURE SECTION



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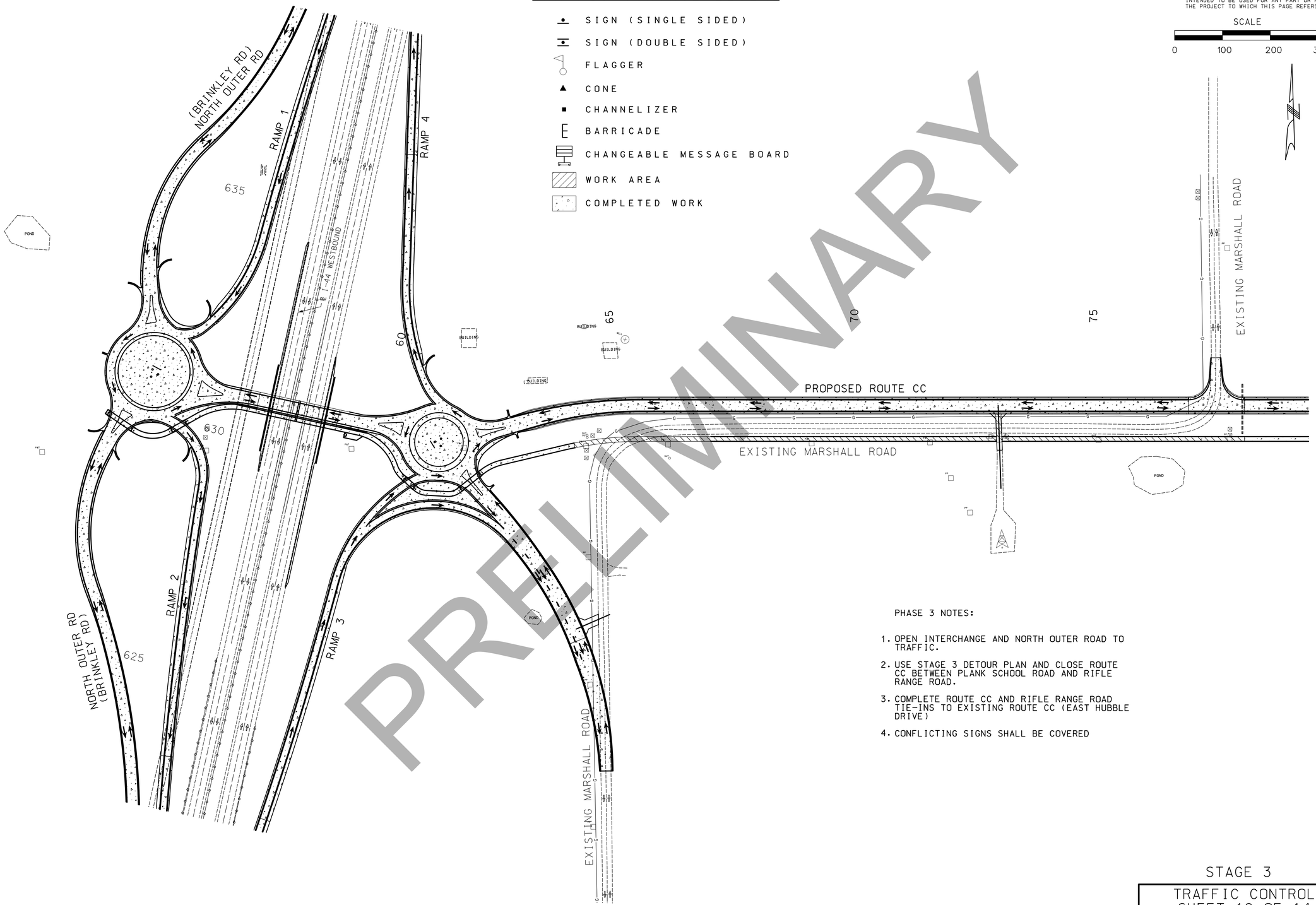
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STAGE 2 – DETOUR PLAN
RIFLE RANGE RD ACCESS

TRAFFIC CONTROL
SHEET 11 OF 14

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TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- SIGN (DOUBLE SIDED)
- FLAGGER
- CONE
- CHANNELIZER
- BARRICADE
- CHANGEABLE MESSAGE BOARD
- WORK AREA
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SCALE
0 100 200 300

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PRELIMINARY

PHASE 3 NOTES:

1. OPEN INTERCHANGE AND NORTH OUTER ROAD TO TRAFFIC.
2. USE STAGE 3 DETOUR PLAN AND CLOSE ROUTE CC BETWEEN PLANK SCHOOL ROAD AND RIFLE RANGE ROAD.
3. COMPLETE ROUTE CC AND RIFLE RANGE ROAD TIE-INS TO EXISTING ROUTE CC (EAST HUBBLE DRIVE)
4. CONFLICTING SIGNS SHALL BE COVERED

STAGE 3

TRAFFIC CONTROL
SHEET 12 OF 14

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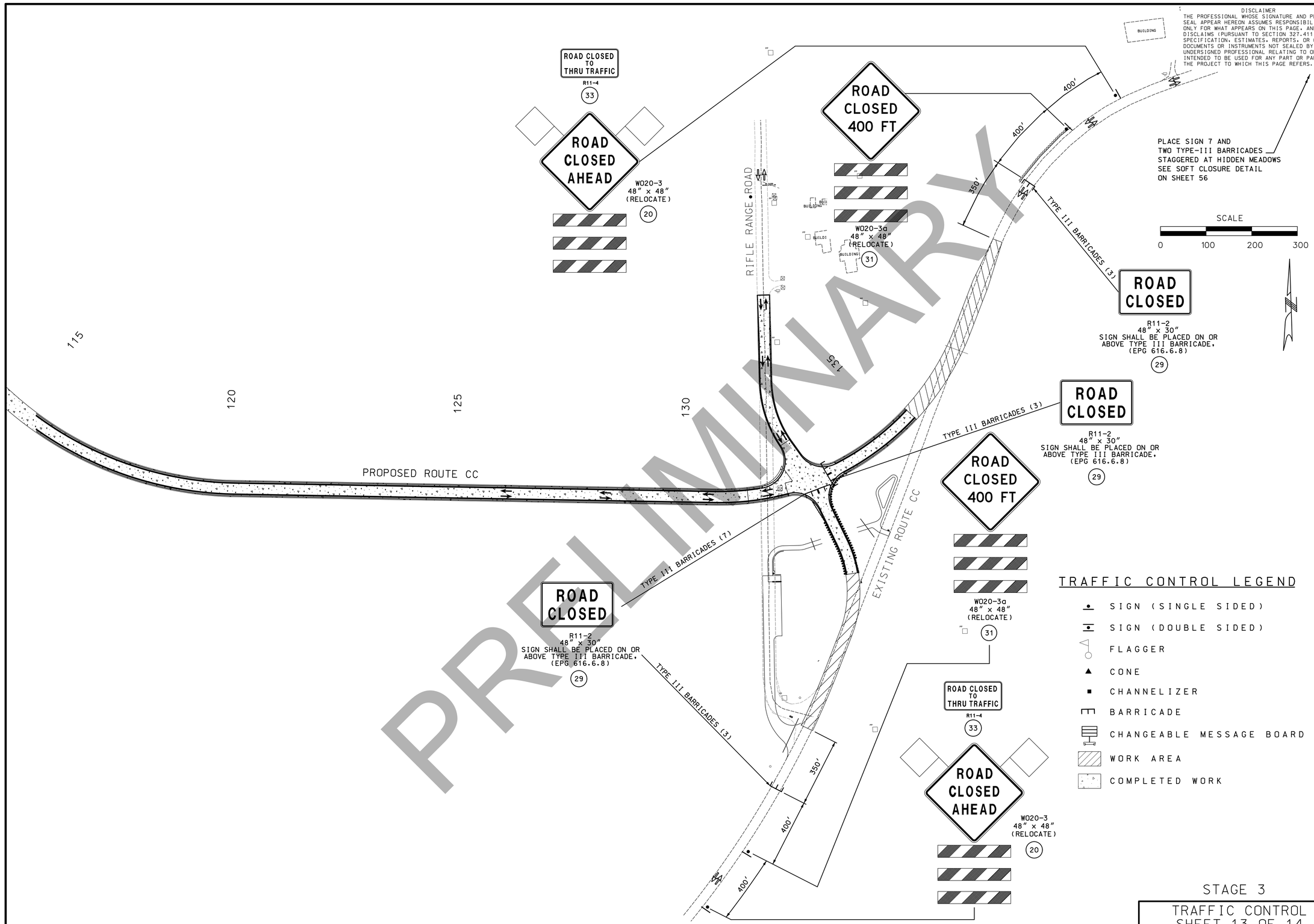
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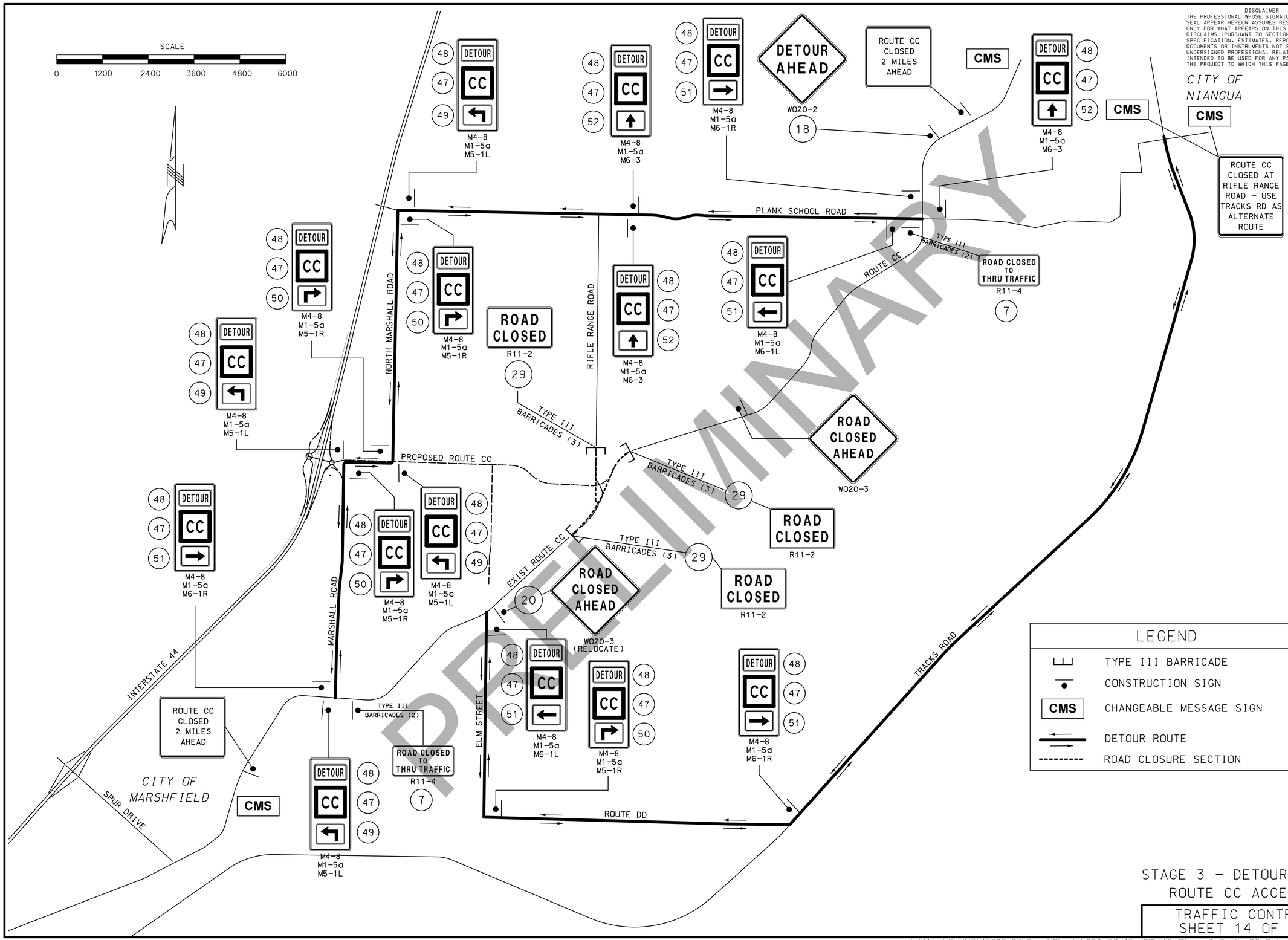
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STAGE 3

TRAFFIC CONTROL
SHEET 13 OF 14



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STAGE 3 – DETOUR PLAN
ROUTE CC ACCESS

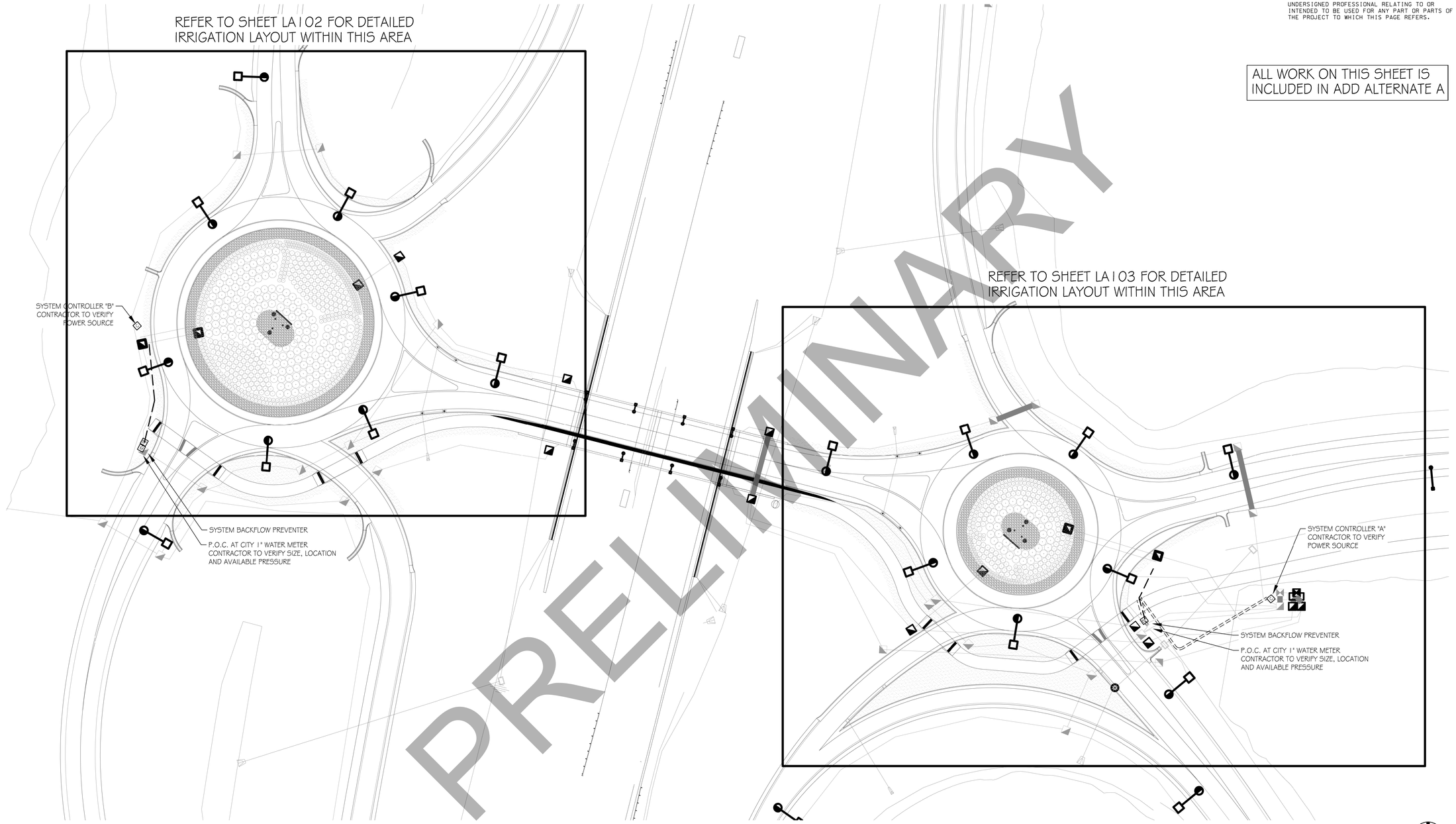
TRAFFIC CONTROL
SHEET 14 OF 14

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PRELIMINARY



1 IRRIGATION PLAN OVERALL - MAINLINE, SLEEVES AND VALVES
1"=40'-0"

0' 20' 40' 80' NORTH

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LANDSCAPE ARCHITECTURE
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SPRINGFIELD, MO 65806
P: (417) 849-3723
frankzdesign.com

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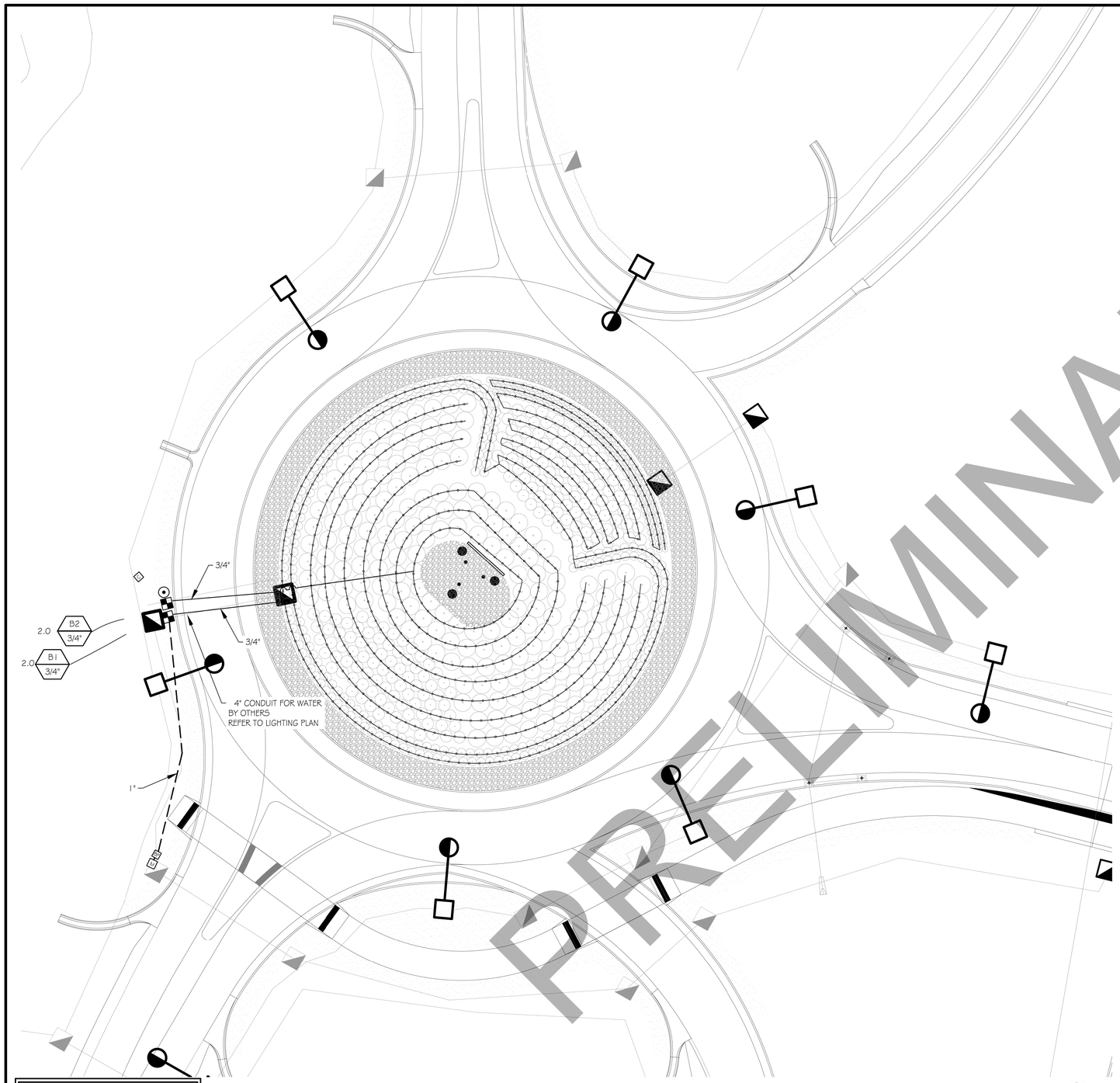
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LA101
LANDSCAPING
SHEET 1 OF 7



1 ENLARGED IRRIGATION PLAN - WEST SIDE
1"=20'-0"

0' 10' 20' 40' NORTH

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GENERAL IRRIGATION NOTES

1. THE IRRIGATION SYSTEM DESIGN IS BASED ON A MINIMUM OPERATING PRESSURE OF 65 PSI AND A MAXIMUM DEMAND OF 32 GPM AT THE POINT OF CONNECTION. CONTRACTOR IS RESPONSIBLE FOR VERIFYING AVAILABLE PRESSURE AND THE RESULTS OF PRESSURE TESTS SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT PRIOR TO BEGINNING WORK.
2. THE IRRIGATION PLANS ARE DIAGRAMMATIC. ALL PIPES, VALVES, AND OTHER IRRIGATION EQUIPMENT SHOWN IN PAVED AREAS ARE FOR DESIGN CLARIFICATION ONLY AND SHALL BE INSTALLED IN PLANTER BEDS AND OUT OF OPEN AREAS.
3. CONTRACTOR SHALL INSTALL ALL EQUIPMENT AS PER MANUFACTURERS SPECIFICATIONS AND RECOMMENDATIONS.
4. THE IRRIGATION CONTRACTOR SHALL COORDINATE HIS WORK WITH THE GENERAL CONTRACTOR AND ALL OTHER SUBCONTRACTORS FOR LOCATING PIPE SLEEVES THROUGH WALLS, UNDER PAVING, ETC.
5. THE IRRIGATION CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITY LINES AND OTHER UNDERGROUND OBSTRUCTIONS PRIOR TO PROCEEDING WITH ANY DIGGING OPERATIONS SO THAT PRECAUTIONS SHALL BE TAKEN NOT TO DISTURB OR DAMAGE SUCH OBSTRUCTIONS. REFER TO CIVIL OR MEP PLANS FOR PROPOSED UTILITY LOCATIONS AND EXTERIOR LIGHTING LOCATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES CAUSED TO ALL UTILITIES BOTH OVERHEAD AND UNDERGROUND.
6. INSTALL EQUIPMENT PER PLUMBING CODE AND CITY AND/OR COUNTY REQUIREMENTS.
7. THE LOCATION AND POWER SOURCE OF THE IRRIGATION CONTROLLER SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR.
8. QUICK COUPLER VALVES SHALL BE CONNECTED TO CONTINUOUS PRESSURE MAINLINES.
9. THE IRRIGATION CONTRACTOR SHALL FLUSH AND ADJUST ALL SPRINKLER HEADS FOR OPTIMUM PERFORMANCE. THIS SHALL INCLUDE SELECTING THE BEST DEGREE OF ARC TO FIT THE EXISTING CONDITIONS.
10. ALL IRRIGATION HEADS SHALL BE ADJUSTED TO MINIMIZE OVER SPRAY ONTO WALKS, BUILDINGS, PAVING, AND OTHER HARDSCAPE FEATURES.
11. TRENCHING OPERATIONS SHALL NOT OCCUR UNDER THE DRIPLINE OF EXISTING TREES UNLESS ABSOLUTELY NECESSARY. IF CONDITIONS DO NOT ALLOW FOR TRENCHING TO BE DIRECTED AROUND THE DRIPLINE, THE TRENCHING SHALL BE DONE RADIAL WITH THE EXISTING TREE TRUNKS.
12. ALL SLEEVING SHALL EXTEND 12" PAST THE EDGES OF ALL PAVING AND CURBS AND BE CLEARLY MARKED FOR FUTURE USE.
13. ALL PVC FITTINGS SHALL BE SCHEDULE 40 PVC TYPE I AND MUST BE OF DOMESTIC MANUFACTURE. PVC SOLVENT CEMENT AND PRIMER SHALL BE AS RECOMMENDED/APPROVED BY THE MANUFACTURER OF THE PIPE.
14. FINAL ACCEPTANCE OF IRRIGATION SYSTEM WILL NOT BE GIVEN TO CONTRACTOR UNTIL SATISFACTORY DEMONSTRATION OF SYSTEM PERFORMANCE HAS BEEN SHOWN TO THE LANDSCAPE ARCHITECT/OWNERS REPRESENTATIVE.
15. THE IRRIGATION CONTRACTOR SHALL GUARANTEE INSTALLATION AND MATERIALS FOR A PERIOD OF ONE YEAR.

IRRIGATION LEGEND

SYMBOL	IRRIGATION COMPONENTS
BF	1", DOUBLE CHECK BACKFLOW PREVENTER ASSEMBLY, LOCATE AS SHOWN ON PLANS.
C	IRRIGATION CONTROLLER PEDESTAL MOUNT, PROVIDE ENOUGH STATION MODULES AS NEEDED TO CONNECT ALL IRRIGATION ZONES. CONTRACTOR TO VERIFY POWER SOURCE. INSTALL IN LOCKABLE, STAINLESS STEEL CABINET -MINIMUM DIMENSIONS - 18"W x 12"Dx48"H
	REMOTE CONTROLLED VALVE, SIZE AS NOTED.
	REMOTE CONTROLLED LOW FLOW VALVE
	3/4" QUICK-COUPLER VALVE
	PRESSURE MAINLINE, PVC SCH 40, SIZE NOTED.
	NON-PRESSURE LATERAL LINE, 160 PSI HDPE HIGH DENSITY POLYETHYLENE, SIZE NOTED.
	SLEEVE, PVC SCH 40, INSTALL 24" DEEP, 2X LINE SIZE OR AS NOTED.
	ON-SURFACE DRIPLINE, PROVIDE EMITTERS WITH .06 GPM EVERY 12"
3 / 45 / 1-1/2"	ZONE/VALVE # TOTAL ZONE GPM VALVE SIZE

NOTE: REFER TO SHEET LA1.4 FOR IRRIGATION DETAILS

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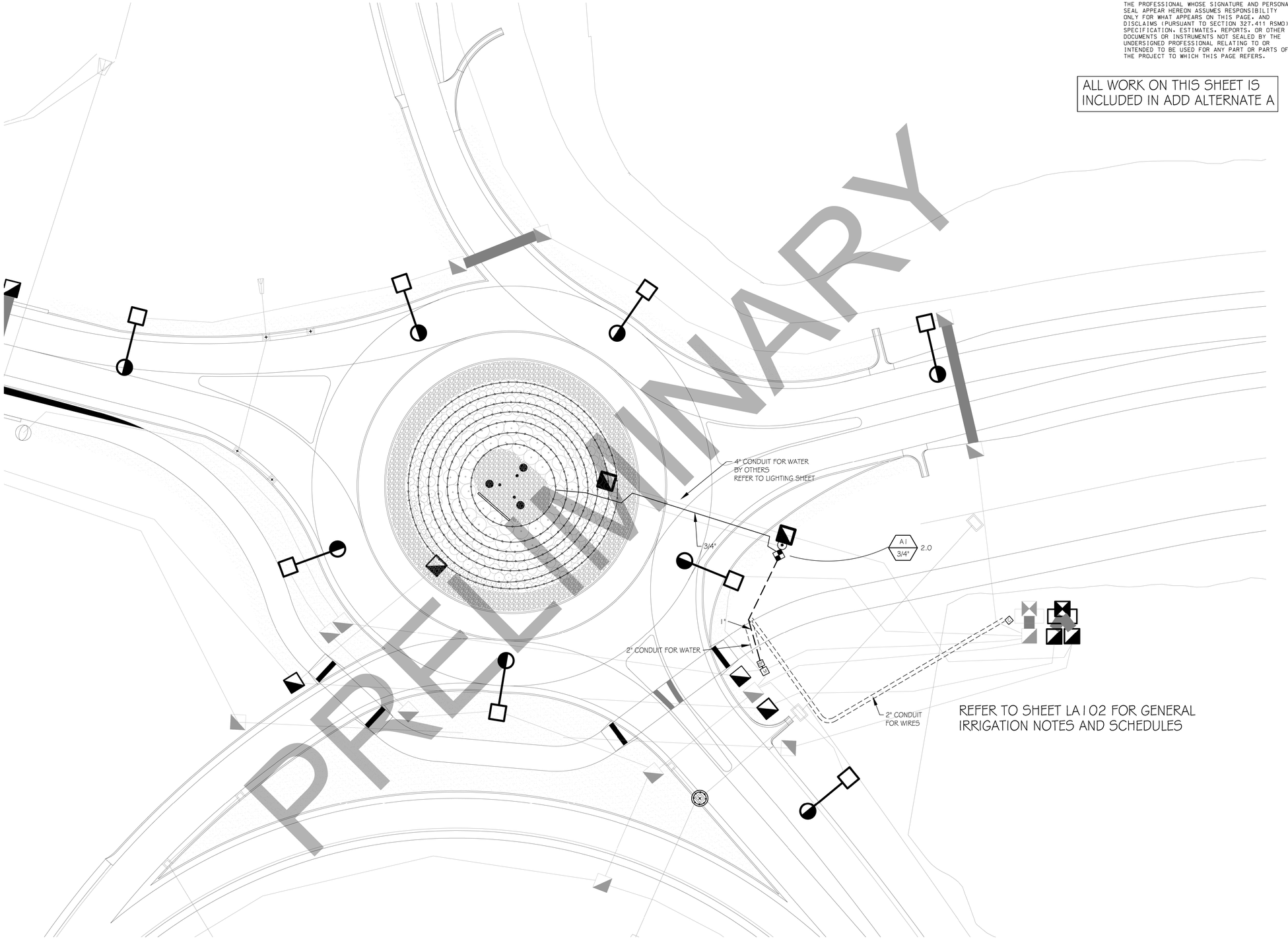
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LA102
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SHEET 2 OF 7

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PRELIMINARY

REFER TO SHEET LA102 FOR GENERAL IRRIGATION NOTES AND SCHEDULES

1 ENLARGED IRRIGATION PLAN - EAST SIDE
1"=20'-0"

0' 10' 20' 40' NORTH

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DATE PREPARED 3/11/2019

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
SW	69

COUNTY: WEBSTER
JOB NO.: J8I0445
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION	DATE

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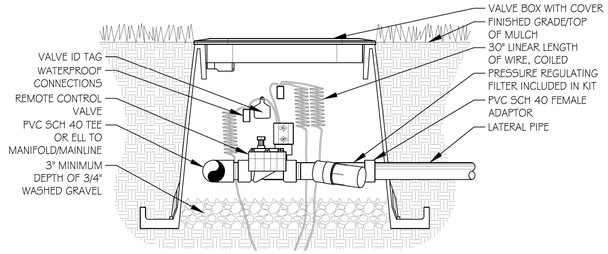
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LA103
LANDSCAPING
SHEET 3 OF 7

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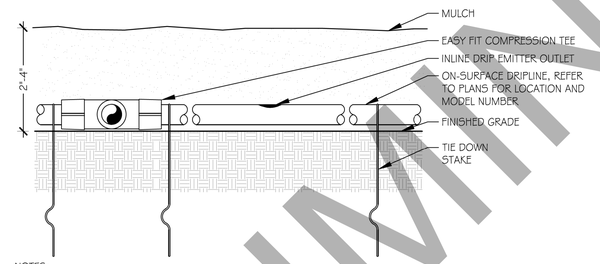
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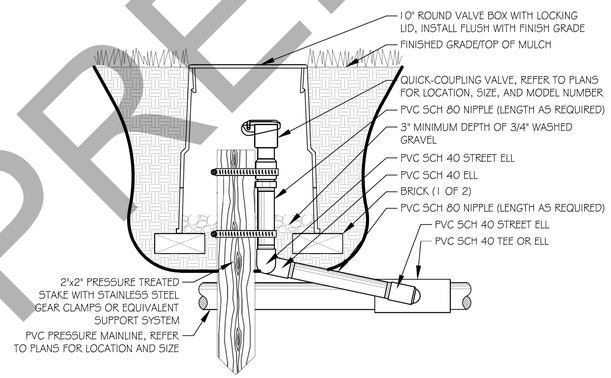
NOTES:
1. ALL WIRES TO BE INSTALLED AS PER LOCAL CODES
2. COMPACT SOIL AROUND VALVE BOX TO SAME DENSITY AS UNDISTURBED SOIL
3. ORIENT RECTANGULAR VALVE BOXES SO THAT THE EDGES ARE PARALLEL TO ADJACENT WALKS, CURBS, ETC.

3 DRIP CONTROL ZONE KIT
N.T.S.



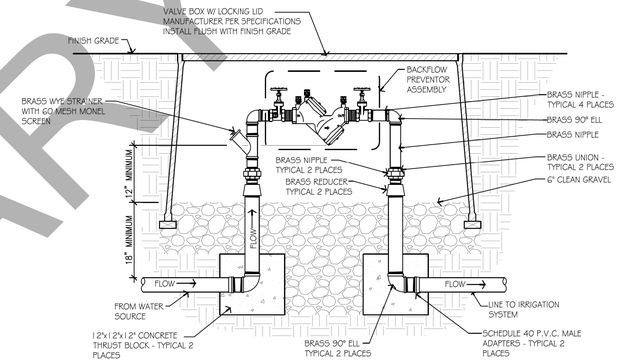
NOTES:
1. PLACE TIE DOWN STAKES EVERY THREE FEET IN SAND, FOUR FEET IN LOAM, AND FIVE FEET IN CLAY
2. AT FITTINGS WHERE THERE IS A CHANGE OF DIRECTION SUCH AS TEES OR ELBOWS, USE TIE DOWN STAKES ON EACH LEG OF THE CHANGE OF DIRECTION

4 DRIPLINE - ON GRADE
N.T.S.



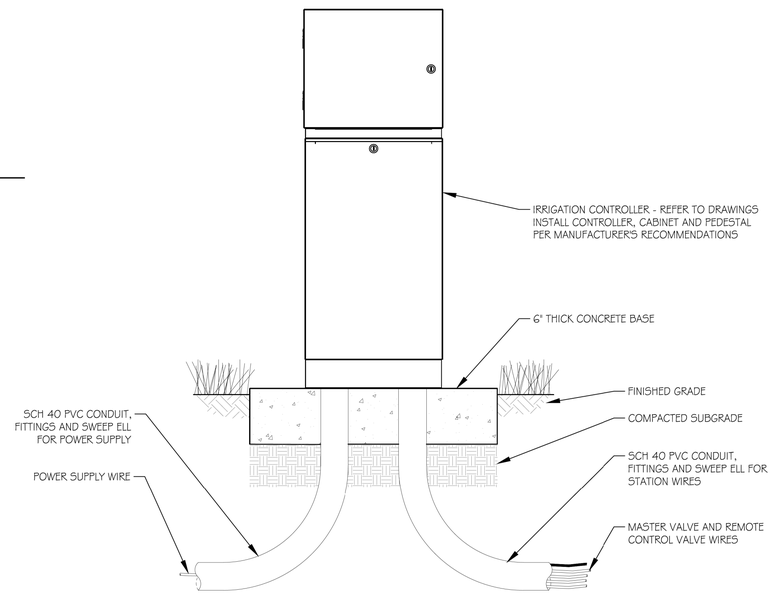
NOTES:
1. COMPACT SOIL AROUND VALVE BOX TO SAME DENSITY AS UNDISTURBED ADJACENT SOIL
2. ORIENT RECTANGULAR VALVE BOXES SO THAT THE EDGES ARE PARALLEL TO ADJACENT WALKS, CURBS, ETC.
3. FURNISH FITTINGS AND PIPING NOMINALLY SIZED IDENTICAL TO NOMINAL QUICK COUPLING VALVE INLET SIZE

5 QUICK COUPLING VALVE
N.T.S.



* EQUIPMENT TO BE INSTALLED AT A MINIMUM OF 24" FROM ANY STRUCTURES.

1 BACKFLOW PREVENTER - ABOVE GRADE
N.T.S.



NOTES:
1. EQUIPMENT SHALL BE INSTALLED AT A MINIMUM OF 24" FROM ANY STRUCTURES OR HARDSCAPE
2. FOR EASE OF INSTALLATION INTO A CONTROLLER WITH MORE THAN 24 STATIONS, INSTALL A JUNCTION BOX AT THE BASE OF THE CONTROLLER AND TRANSITION LARGER VALVE AND COMMON WIRES FROM FIELD TO 18 AWG MULTI CONDUCTOR WIRE TO BE USED IN CONTROLLER.
3. PROVIDE PROPER GROUNDING COMPONENTS TO ACHIEVE GROUND RESISTANCE OF 10 OHMS OR LESS.

2 CONTROLLER - PEDESTAL MOUNT
N.T.S.

PRELIMINARY

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ROUTE: I-44 | STATE: MO
DISTRICT: SW | SHEET NO.: 70
COUNTY: WEBSTER
JOB NO.: J8I0445
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

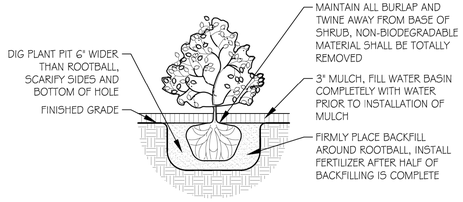
DESCRIPTION	DATE

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LA104
LANDSCAPING
SHEET 4 OF 7



2 SHRUB PLANTING
N.T.S.

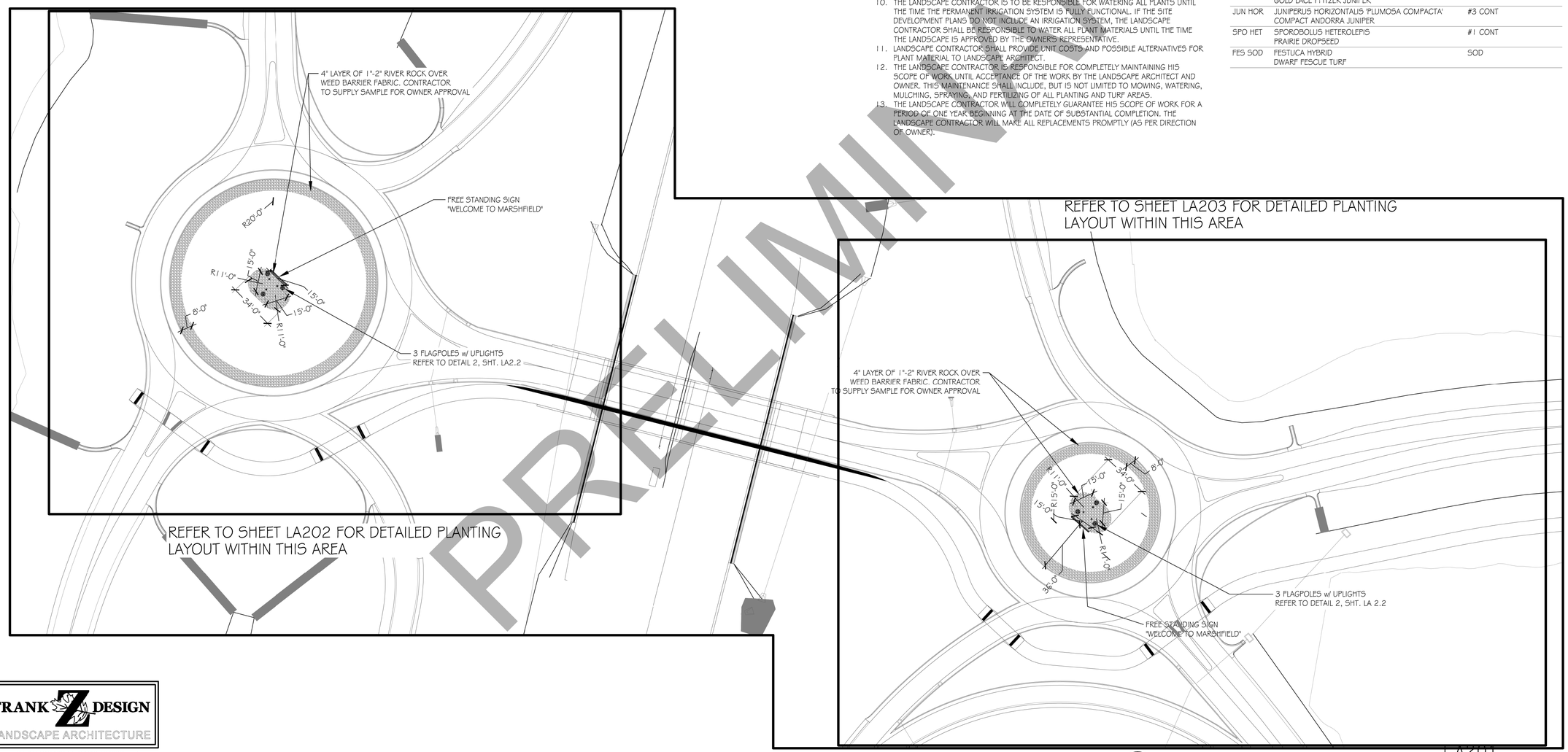
GENERAL PLANTING NOTES

1. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITY LINES AND OTHER UNDERGROUND OBSTRUCTIONS SO THAT PROPER PRECAUTIONS SHALL BE TAKEN NOT TO DISTURB OR DAMAGE SUCH IMPROVEMENTS. REFER TO CIVIL DRAWINGS FOR PROPOSED UTILITY LOCATIONS AND EXTERIOR LIGHTING LOCATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES CAUSED TO ALL UTILITIES BOTH OVERHEAD AND UNDERGROUND.
2. KILL AND REMOVE ALL EXISTING WEEDS FROM SITE AREA PRIOR TO PLANTING.
3. THE STANDARDS SET FORTH IN "AMERICAN STANDARDS FOR NURSERY STOCK" REPRESENT GENERAL GUIDELINE SPECIFICATIONS ONLY AND WILL CONSTITUTE MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIAL. THE OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO REJECT ANY PLANT MATERIAL NOT MEETING THESE SPECIFICATIONS AND THE MINIMUM SIZE REQUIREMENTS IN THE PLANT SCHEDULE.
4. ALL SHRUB PLANTING AREAS SHALL RECEIVE A MINIMUM 12" DEPTH OF IMPORTED OR STOCKPILED TOPSOIL. ALL TURF AREAS SHALL RECEIVE A MINIMUM 6" DEPTH OF IMPORTED OR STOCKPILED TOPSOIL.
5. ANY MATERIAL WHICH DIES, OR DEFOLIATES (PRIOR TO ACCEPTANCE OF THE WORK) WILL BE PROMPTLY REMOVED AND REPLACED.
6. THE CONTRACTOR IS RESPONSIBLE FOR SOIL SAMPLING AND TESTING TO DETERMINE EXACT SOIL AMENDMENT REQUIREMENTS.
7. BACKFILL TREE AND SHRUB PITS WITH A NATIVE SITE SOIL (THIS SHALL BE AMENDED AS SPECIFIED IN THE SOILS REPORT). CONTRACTOR TO REMOVE ALL STONES AND DEBRIS LARGER THAN 1".
8. ALL SHRUB PLANTING AREAS SHALL RECEIVE A MINIMUM 3" DEPTH OF SHREDDED WOOD MULCH AFTER INSTALLATION OF ALL PLANT MATERIAL. MULCH SHALL BE NATURAL IN COLOR. SUBMIT SAMPLES OF MULCH TO OWNER'S REPRESENTATIVE TO BE APPROVED PRIOR TO INSTALLATION.
9. THE LANDSCAPE CONTRACTOR SHALL STAKE OR MARK ALL PLANT MATERIAL LOCATIONS PRIOR TO INSTALLATION. CONTRACTOR SHALL HAVE OWNER'S REPRESENTATIVE APPROVE ALL STAKING PRIOR TO INSTALLATION.
10. THE LANDSCAPE CONTRACTOR IS TO BE RESPONSIBLE FOR WATERING ALL PLANTS UNTIL THE TIME THE PERMANENT IRRIGATION SYSTEM IS FULLY FUNCTIONAL. IF THE SITE DEVELOPMENT PLANS DO NOT INCLUDE AN IRRIGATION SYSTEM, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE TO WATER ALL PLANT MATERIALS UNTIL THE TIME THE LANDSCAPE IS APPROVED BY THE OWNER'S REPRESENTATIVE.
11. LANDSCAPE CONTRACTOR SHALL PROVIDE UNIT COSTS AND POSSIBLE ALTERNATIVES FOR PLANT MATERIAL TO LANDSCAPE ARCHITECT.
12. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR COMPLETELY MAINTAINING HIS SCOPE OF WORK UNTIL ACCEPTANCE OF THE WORK BY THE LANDSCAPE ARCHITECT AND OWNER. THIS MAINTENANCE SHALL INCLUDE, BUT IS NOT LIMITED TO MOWING, WATERING, MULCHING, SPRAYING, AND FERTILIZING OF ALL PLANTING AND TURF AREAS.
13. THE LANDSCAPE CONTRACTOR WILL COMPLETELY GUARANTEE HIS SCOPE OF WORK FOR A PERIOD OF ONE YEAR BEGINNING AT THE DATE OF SUBSTANTIAL COMPLETION. THE LANDSCAPE CONTRACTOR WILL MAKE ALL REPLACEMENTS PROMPTLY (AS PER DIRECTION OF OWNER).

PLANT SCHEDULE

KEY	BOTANICAL NAME/COMMON NAME - SHRUBS	SIZE	NOTES
COR ALB	CORNUS ALBA 'SIBIRICA' TATARIAN REDTWIG DOGWOOD	#5 CONT	
ECH PUR	ECHINACEA PURPUREA PURPLE CONEFLOWER	#1 CONT	
JUN CHI	JUNIPERUS CHINENSIS 'PHITZERIANA GOLD LACE' GOLD LACE PFITZER JUNIPER	#5 CONT	
JUN HOR	JUNIPERUS HORIZONTALIS 'PLUMOSA COMPACTA' COMPACT ANDORRA JUNIPER	#3 CONT	
SPO HET	SPOROBOLUS HETEROLEPIS PRAIRIE DROPSEED	#1 CONT	
FES SOD	FESTUCA HYBRID DWARF FESCUE TURF	SOD	

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1 OVERALL LANDSCAPE/COORDINATION PLAN
1"=40'-0"

0' 20' 40' 80' NORTH

PRELIMINARY

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DATE PREPARED 3/11/2019
ROUTE I-44 | STATE MO
DISTRICT SW | SHEET NO. 71
COUNTY WEBSTER
JOB NO. J8I0445
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

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MoDOT
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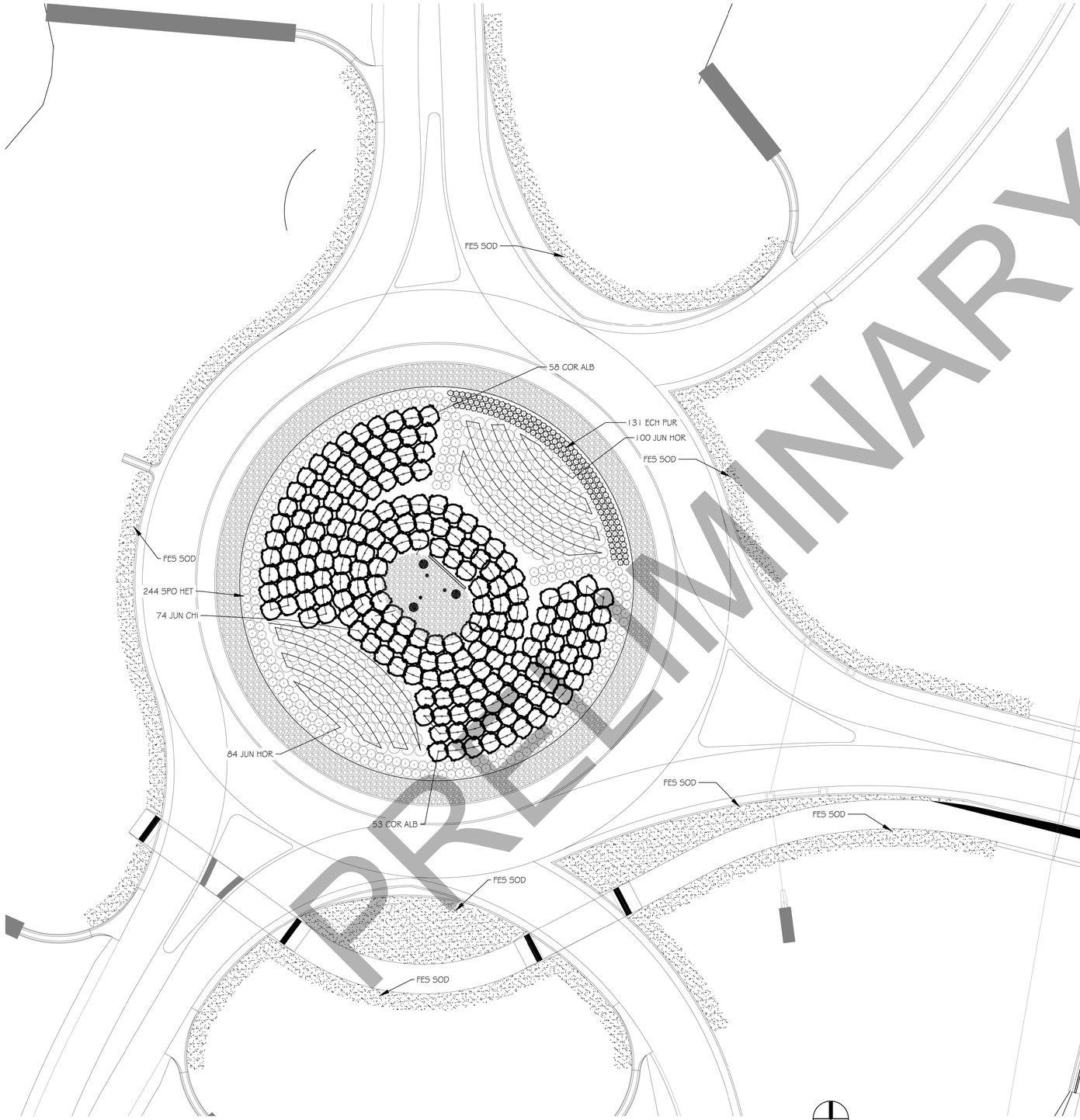
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LA201
LANDSCAPING
SHEET 5 OF 7

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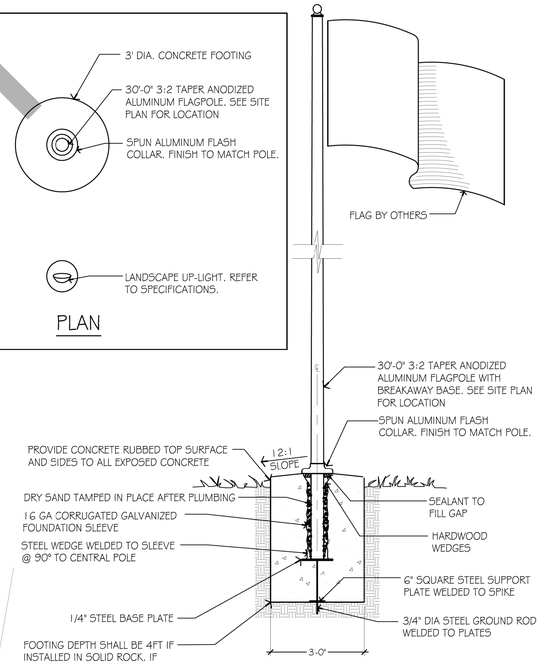


1 ENLARGED LANDSCAPE PLAN - WEST CIRCLE
1"=20'-0"

0' 10' 20' 40' NORTH

ALL WORK ON THIS SHEET IS INCLUDED IN ADD ALTERNATE A

PLAN



SECTION

2 FLAGPOLE
N.T.S.

REFER TO SHEET LA201 FOR GENERAL PLANTING NOTES, PLANT SCHEDULES AND PLANTING DETAILS

LA202

LANDSCAPING
SHEET 6 OF 7

PRELIMINARY

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3/11/2019

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
SW	72

COUNTY
WEBSTER

JOB NO.
J8I0445

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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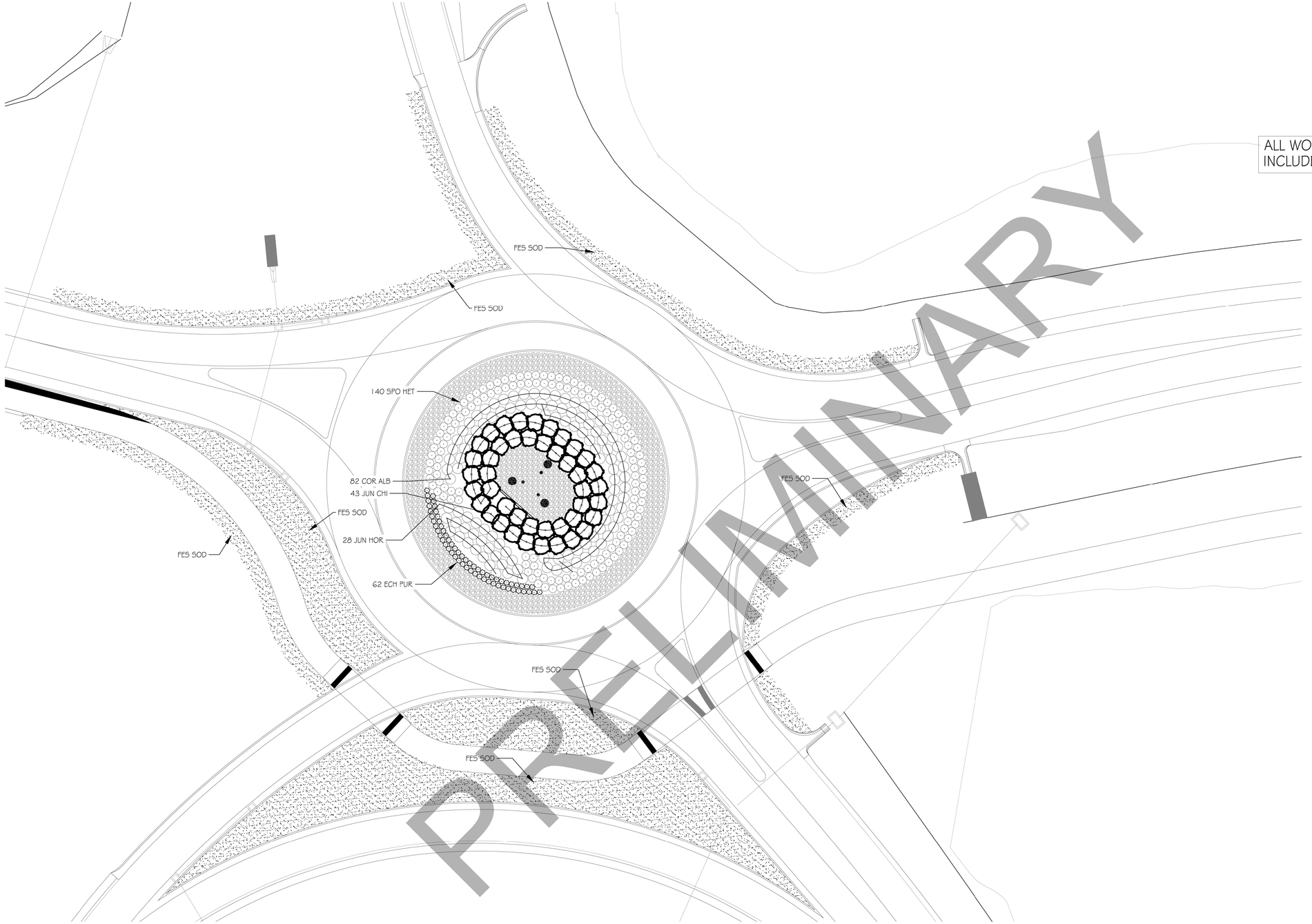
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PRELIMINARY

1 ENLARGED LANDSCAPE PLAN - EAST CIRCLE
1"=20'-0"

REFER TO SHEET LA201 FOR GENERAL PLANTING NOTES, PLANT SCHEDULES AND PLANTING DETAILS

0' 10' 20' 40' NORTH

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DISTRICT SW | SHEET NO. 73
COUNTY WEBSTER
JOB NO. J8I0445
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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LA203
LANDSCAPING
SHEET 7 OF 7

SCALE
0 50 100 150

SEE SHEET 75
MATCHLINE I-44 WB STA. 617+50.00

V-DITCH @ 3.22% GRADE

V-DITCH @ 0.62% GRADE

(EXIST. ESMT.)

BROOK STREET

EXIST. R/W

BUILDING

615

SEE SHEET 89 & 90 FOR DITCH CHECK LOCATIONS AND SIZES

V-DITCH @ 0.26% GRADE

V-DITCH @ 0.26% GRADE

V-DITCH @ 1.46% GRADE

V-DITCH @ 0.62% GRADE

℄ EXIST. NOR

610+58
I-44 WB LT.

611+00
I-44 WB RT.

610+46
I-44 WB RT.

609+75
I-44 WB LT.

OUTFALL NO. 1
TRIBUTARY OF WEST
FORK NIANGUA RIVER

OUTFALL NO. 2
TRIBUTARY OF WEST
FORK NIANGUA RIVER

℄ EB I-44

℄ WB I-44

UT

FO

SIGN

1 RISER

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PRELIMINARY

TEMPORARY EROSION CONTROL LEGEND

- (S) SEDIMENT TRAP
- (A) ALTERNATE DITCH CHECK
- (C) CURB INLET CHECK
- (R) ROCK DITCH CHECK
- INLET CHECK
- ROCK DITCH LINING
- TURF TYPE TALL FESCUE SODDING
- TURF REINFORCEMENT MAT
- SEEDING - COOL SEASON MIXTURE
- SILT FENCE

GENERAL NOTE

1. ROCK DITCH CHECKS AND SEDIMENT TRAPS ARE PROVIDED TO MINIMIZE LOSS OF SEDIMENT FROM MoDOT RIGHT-OF-WAY. THE USE OF SEDIMENT BASINS OF SUFFICIENT SIZE AS DESCRIBED IN THE ENGINEERING POLICY MANUAL (EPG) IS IMPRACTICAL THEREFORE TWO SEDIMENT BASINS OF A SMALLER SIZE ARE PROVIDED IN ADDITION TO THE OTHER BMP'S.

2. ROCK DITCH CHECKS ALONG I-44, ROUTE CC AND RIFLE RANGE ROAD THAT ARE WITHIN THE CLEARZONE SHALL BE REMOVED PRIOR TO OPENING ROADWAY TO TRAFFIC OTHERWISE ALTERNATE DITCH CHECKS SHALL BE USED.

INTERSTATE 44

EROSION CONTROL
PRE-CONSTRUCTION
SHEET 1 OF 49

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DATE PREPARED: 3/11/2019
ROUTE: I-44 | STATE: MO
DISTRICT: SW | SHEET NO.: 74
COUNTY: WEBSTER
JOB NO.: J8I0445
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

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SCALE
0 50 100 150

SEE SHEET 76
MATCHLINE I-44 WB STA. 626+50.00

NORTH OUTER ROAD
STA. 626+00.00

V-DITCH @ 4.37% GRADE
V-DITCH @ 2.81% GRADE
V-DITCH @ 6.76% GRADE
10' FBD @ 4.88% GRADE
OUTFALL NO. 3
TRIBUTARY OF WEST
FORK NIANGUA RIVER
622+99.20
I-44 WB LT.
14' FBD @ 1.41% GRADE
V-DITCH @ 12.04% GRADE
V-DITCH @ 4.75% GRADE
V-DITCH @ 4.06% GRADE
V-DITCH @ 3.22% GRADE
℄ EB I-44
℄ WB I-44
EXIST. R/W
R/W
(EXIST. ESMT.)
V-DITCH @ 4.67% GRADE
V-DITCH @ 4.40% GRADE
V-DITCH @ 0.81% GRADE
V-DITCH @ 3.32% GRADE
10' FBD @ 1.82% GRADE
V-DITCH @ 19.25% GRADE
V-DITCH @ 0.62% GRADE
FO
UTILITY

SEE SHEET 89 & 90 FOR
DITCH CHECK LOCATIONS
AND SIZES

MATCHLINE I-44 WB STA. 617+50.00
SEE SHEET 74

TEMPORARY EROSION CONTROL LEGEND

- (S) SEDIMENT TRAP
- (A) ALTERNATE DITCH CHECK
- (C) CURB INLET CHECK
- (R) ROCK DITCH CHECK
- INLET CHECK
- ROCK DITCH LINING
- TURF TYPE TALL FESCUE SODDING
- TURF REINFORCEMENT MAT
- SEEDING - COOL SEASON MIXTURE
- SILT FENCE

PRELIMINARY

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DATE PREPARED 3/11/2019
ROUTE I-44 | STATE MO
DISTRICT SW | SHEET NO. 75
COUNTY WEBSTER
JOB NO. J8I0445
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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INTERSTATE 44

EROSION CONTROL
PRE-CONSTRUCTION
SHEET 2 OF 49

NORTH OUTER ROAD
STA. 635+00.00

SEE SHEET 77
MATCHLINE I-44 WB STA. 634+50.00

V-DITCH @ 4.25% GRADE

STA. 633+30
I-44 WB LT.

OUTFALL NO. 5
TRIBUTARY OF WEST
FORK NIANGUA RIVER

POND

R/W

V-DITCH @ 2.43% GRADE

V-DITCH @ 2.49% GRADE

V-DITCH @ 2.62% GRADE

SILT FENCE 783 LF.
STA. 625+34 TO
STA. 632+82
I-44 WB LT.

OUTFALL NO. 4
TRIBUTARY OF WEST
FORK NIANGUA RIVER

V-DITCH @ 4.37% GRADE

V-DITCH @ 4.37% GRADE

℄ WB I-44

℄ EB I-44

EXIST. R/W

(EXIST. ESMT.)

V-DITCH @ 3.09% GRADE

V-DITCH @ 4.88% GRADE

V-DITCH @ 4.67% GRADE

V-DITCH @ 5.69% GRADE

V-DITCH @ 5.54% GRADE

V-DITCH @ 1.08% GRADE

BUILDING

7+08.18
MARSHALL LT.

SEE SHEET ROUTE 80 CC
MATCHLINE MARSHALL ROAD
STA. 64+00.00

MATCHLINE MARSHALL ROAD
STA. 6+50.00, SEE SHEET 79

MATCHLINE I-44 WB STA. 626+50.00
SEE SHEET 75

NORTH OUTER ROAD
STA. 626+00.00

SEE SHEET 89 & 90 FOR
DITCH CHECK LOCATIONS
AND SIZES

PRELIMINARY

SCALE
0 50 100 150

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DATE PREPARED	3/11/2019
ROUTE	I-44
STATE	MO
DISTRICT	SW
SHEET NO.	76
COUNTY	WEBSTER
JOB NO.	J8I0445
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION | DATE

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

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INTERSTATE 44

EROSION CONTROL
PRE-CONSTRUCTION
SHEET 3 OF 49

SCALE
0 50 100 150

SEE SHEET 78
MATCHLINE I-44 WB STA. 643+50.00

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TEMPORARY EROSION CONTROL LEGEND

- (S) SEDIMENT TRAP
- (A) ALTERNATE DITCH CHECK
- (C) CURB INLET CHECK
- (R) ROCK DITCH CHECK
- INLET CHECK
- ROCK DITCH LINING
- TURF TYPE TALL FESCUE SODDING
- TURF REINFORCEMENT MAT
- SEEDING - COOL SEASON MIXTURE
- SILT FENCE

SEE SHEET 89 & 90 FOR DITCH CHECK LOCATIONS AND SIZES

V-DITCH @ 2.05% GRADE
V-DITCH @ 2.05% GRADE
V-DITCH @ 1.99% GRADE
V-DITCH @ 1.37% GRADE
℄ WB I-44
℄ EB I-44
SILT FENCE 548 LF, STA. 637+10 TO STA. 642+40 I-44 WB LT.
V-DITCH @ 1.53% GRADE
V-DITCH @ 2.82% GRADE
V-DITCH @ 1.85% GRADE
V-DITCH @ 4.32% GRADE
V-DITCH @ 2.43% GRADE
V-DITCH @ 2.63% GRADE
V-DITCH @ 2.49% GRADE
V-DITCH @ 2.62% GRADE
V-DITCH @ 3.09% GRADE
EXIST. R/W
EXIST. ESMT.
R/W
NORTH OUTER ROAD
STA. 635+00.00
BUILDING

MATCHLINE I-44 WB STA. 634+50.00
SEE SHEET 76

PRELIMINARY

INTERSTATE 44

EROSION CONTROL
PRE-CONSTRUCTION
SHEET 4 OF 49

DATE PREPARED	
3/11/2019	
ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
SW	77
COUNTY	
WEBSTER	
JOB NO.	
J8I0445	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

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SCALE
0 50 100 150

SEE SHEET 89 & 90 FOR DITCH CHECK LOCATIONS AND SIZES

650

645

OUTFALL NO. 6
TRIBUTARY OF WEST
FORK NIANGUA RIVER

OUTFALL NO. 7
TRIBUTARY OF WEST
FORK NIANGUA RIVER

EXIST. R/W

V-DITCH @ 2.05% GRADE

V-DITCH @ 1.99% GRADE

V-DITCH @ 1.64% GRADE

V-DITCH @ 2.05% GRADE

MATCHLINE I-44 WB STA. 643+50.00
SEE SHEET 77

TEMPORARY EROSION CONTROL LEGEND

- (S) SEDIMENT TRAP
- (A) ALTERNATE DITCH CHECK
- (C) CURB INLET CHECK
- (R) ROCK DITCH CHECK
- INLET CHECK
- ROCK DITCH LINING
- TURF TYPE TALL FESCUE SODDING
- TURF REINFORCEMENT MAT
- SEEDING - COOL SEASON MIXTURE
- SILT FENCE

PRELIMINARY

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DATE PREPARED: 3/11/2019
ROUTE: I-44 | STATE: MO
DISTRICT: SW | SHEET NO.: 78
COUNTY: WEBSTER
JOB NO.: J8I0445
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

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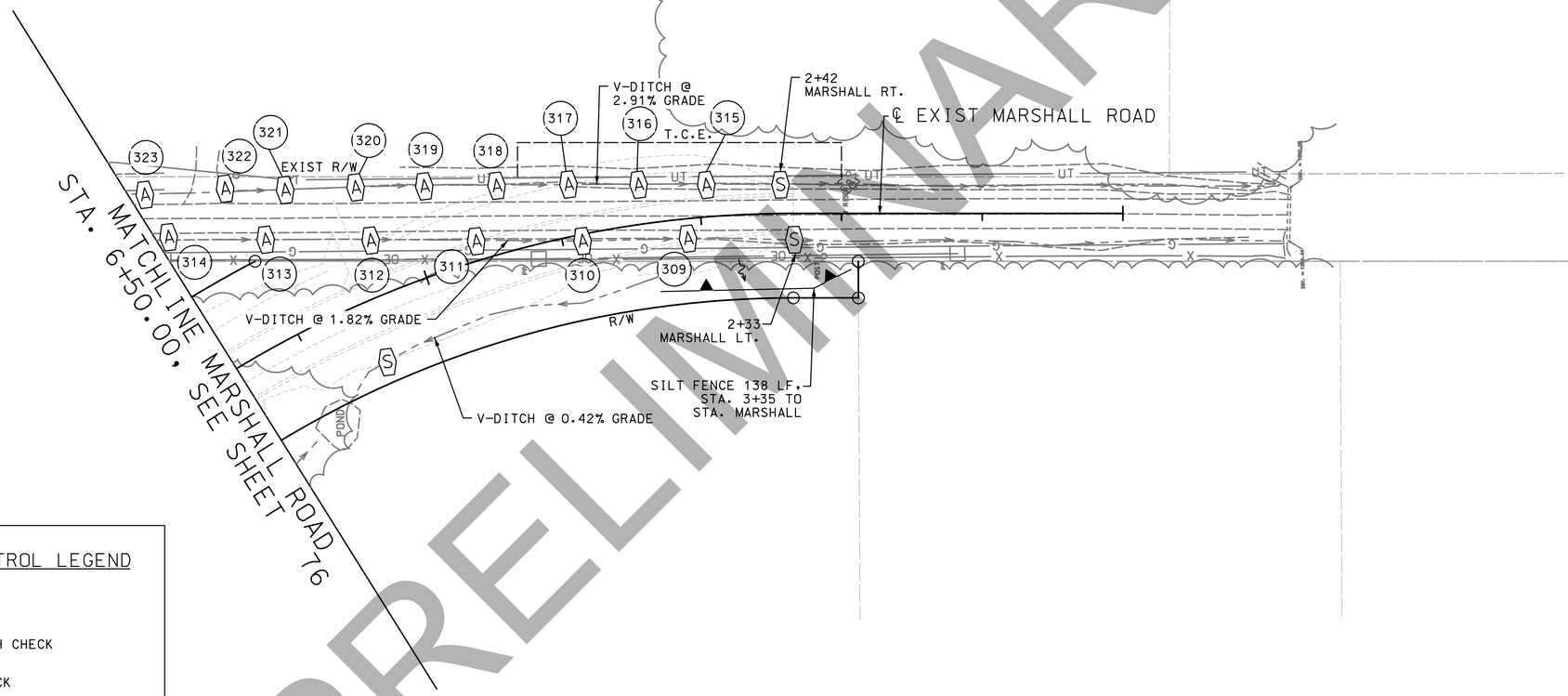
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INTERSTATE 44

EROSION CONTROL
PRE-CONSTRUCTION
SHEET 5 OF 49

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SCALE
0 50 100 150



SEE SHEET 89 & 90 FOR DICH CHECK LOCATIONS AND SIZES

TEMPORARY EROSION CONTROL LEGEND

- (S) SEDIMENT TRAP
- (A) ALTERNATE DITCH CHECK
- (C) CURB INLET CHECK
- (R) ROCK DITCH CHECK
- INLET CHECK
- ROCK DITCH LINING
- TURF TYPE TALL FESCUE SODDING
- TURF REINFORCEMENT MAT
- SEEDING - COOL SEASON MIXTURE
- SILT FENCE

PRELIMINARY

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DATE PREPARED 3/11/2019
ROUTE I-44 | STATE MO
DISTRICT SW | SHEET NO. 79
COUNTY WEBSTER
JOB NO. J8I0445
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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MARSHALL ROAD

EROSION CONTROL
PRE-CONSTRUCTION
SHEET 6 OF 49

SCALE
0 50 100 150

SEE SHEET 89 & 90 FOR DITCH CHECK LOCATIONS AND SIZES

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MARSHAL

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BUILDING
BUILDING
BUILDING
WELL

SILT FENCE 553 LF, STA. 70+16 TO STA. 75+69 ROUTE CC

V-DITCH @ 1.67% GRADE
V-DITCH @ 4.19% GRADE
V-DITCH @ 1.66% GRADE
V-DITCH @ 2.19%
V-DITCH @ 1.82% GRADE
V-DITCH @ 1.61% GRADE
V-DITCH @ 1.18% GRADE

EXIST R/W
℄ EXIST MARSHALL
T.C.E.
POND

SEE SHEET 79 MATCHLINE ROUTE CC STA. 64+00.00

SEE SHEET 81 MATCHLINE ROUTE CC STA. 76+50.00

TEMPORARY EROSION CONTROL LEGEND

- SEDIMENT TRAP
- ALTERNATE DITCH CHECK
- CURB INLET CHECK
- ROCK DITCH CHECK
- INLET CHECK
- ROCK DITCH LINING
- TURF TYPE TALL FESCUE SODDING
- TURF REINFORCEMENT MAT
- SEEDING - COOL SEASON MIXTURE
- SILT FENCE

PRELIMINARY

ROUTE CC

EROSION CONTROL
PRE-CONSTRUCTION
SHEET 7 OF 49

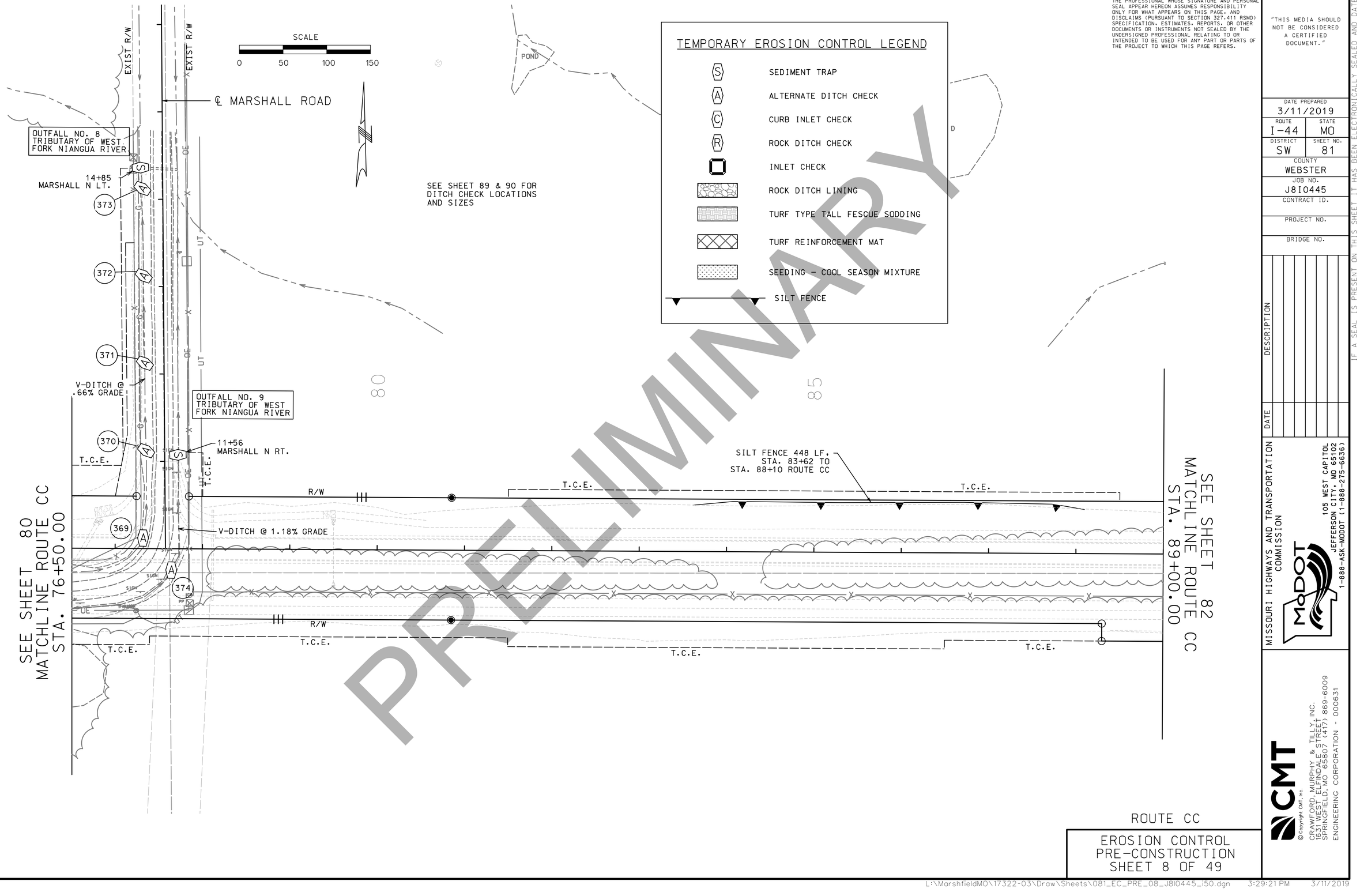
DATE PREPARED 3/11/2019
ROUTE I-44 | STATE MO
DISTRICT SW | SHEET NO. 80
COUNTY WEBSTER
JOB NO. J8I0445
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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

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DATE PREPARED 3/11/2019
ROUTE I-44 | STATE MO
DISTRICT SW | SHEET NO. 81
COUNTY WEBSTER
JOB NO. J8I0445
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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ROUTE CC

EROSION CONTROL
PRE-CONSTRUCTION
SHEET 8 OF 49

L:\MarshfieldMO\17322-03\Draw\Sheets\081_EC_PRE_08_J8I0445_I50.dgn 3:29:21 PM 3/11/2019

SCALE
0 50 100 150

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90

95

100

OUTFALL NO. 10
TRIBUTARY OF EAST
FORK NIANGUA RIVER

SILT FENCE 319 LF,
STA. 93+10 TO
STA. 96+26 ROUTE CC

T.C.E.

92+09
ROUTE CC LT.

SLC

R/W

V-DITCH @ 3.48% GRADE

375

377

376

V-DITCH @ 2.03% GRADE

378

SEE SHEET 81
MATCHLINE ROUTE CC
STA. 89+00.00

SEE SHEET 83
MATCHLINE ROUTE CC
STA. 101+50.00

ROUTE CC

TEMPORARY EROSION CONTROL LEGEND

- S — SEDIMENT TRAP
- A — ALTERNATE DITCH CHECK
- C — CURB INLET CHECK
- R — ROCK DITCH CHECK
- INLET CHECK
- ROCK DITCH LINING
- TURF TYPE TALL FESCUE SODDING
- TURF REINFORCEMENT MAT
- SEEDING - COOL SEASON MIXTURE
- SILT FENCE

SEE SHEET 89 & 90 FOR
DITCH CHECK LOCATIONS
AND SIZES

PRELIMINARY

DATE PREPARED
3/11/2019

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
SW	82

COUNTY
WEBSTER

JOB NO.
J8I0445

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

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EROSION CONTROL PRE-CONSTRUCTION SHEET 9 OF 49

SCALE
0 50 100 150

TEMPORARY EROSION CONTROL LEGEND

- (S) SEDIMENT TRAP
- (A) ALTERNATE DITCH CHECK
- (C) CURB INLET CHECK
- (R) ROCK DITCH CHECK
- INLET CHECK
- ROCK DITCH LINING
- TURF TYPE TALL FESCUE SODDING
- TURF REINFORCEMENT MAT
- SEEDING - COOL SEASON MIXTURE
- SILT FENCE

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SEE SHEET 82
MATCHLINE ROUTE CC
STA. 101+50.00

105

OUTFALL NO. 11
TRIBUTARY OF EAST
FORK NIANGUA RIVER

102+12
ROUTE CC LT.

103+05
ROUTE CC LT.

SILT FENCE 224 LF,
STA. 105+28 TO
STA. 107+51 ROUTE CC

380 379 387 385 386

V-DITCH @ 2.03% GRADE

V-DITCH @ 1.72% GRADE

R/W

T.C.E.

SILT FENCE 542 LF,
STA. 11+92 TO
STA. 17+28 ELM RT.

NOTE
EROSION CONTROL WORK ALONG ELM STREET TO BE INCLUDED IN ADD ALTERNATE B

SEE SHEET 89 & 90 FOR
DITCH CHECK LOCATIONS
AND SIZES

SEE SHEET 87
MATCHLINE ELM ST.
STA. 14+00.00

OUTFALL NO. 12
TRIBUTARY OF EAST
FORK NIANGUA RIVER

110

109+54
ROUTE CC LT.

384 383 382 381 388 389 390 391

V-DITCH @ 5.24% GRADE

SEE SHEET 84
MATCHLINE ROUTE CC
STA. 114+00.00

PRELIMINARY

ROUTE CC

EROSION CONTROL
PRE-CONSTRUCTION
SHEET 10 OF 49

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

DATE PREPARED 3/11/2019
ROUTE I-44 | STATE MO
DISTRICT SW | SHEET NO. 83
COUNTY WEBSTER
JOB NO. J8I0445
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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SCALE
0 50 100 150



TEMPORARY EROSION CONTROL LEGEND

- (S) SEDIMENT TRAP
- (A) ALTERNATE DITCH CHECK
- (C) CURB INLET CHECK
- (R) ROCK DITCH CHECK
- INLET CHECK
- ROCK DITCH LINING
- TURF TYPE TALL FESCUE SODDING
- TURF REINFORCEMENT MAT
- SEEDING - COOL SEASON MIXTURE
- SILT FENCE

SEE SHEET 89 & 90 FOR DITCH CHECK LOCATIONS AND SIZES

SEE SHEET 83
MATCHLINE ROUTE CC
STA. 114+00.00

115

120

125

SEE SHEET 85
MATCHLINE ROUTE CC
STA. 125+50.00

SILT FENCE 615 LF,
STA. 117+33 TO
STA. 123+65 ROUTE CC

SLC
R/W
T.C.E.

ROUTE CC

EROSION CONTROL
PRE-CONSTRUCTION
SHEET 11 OF 49

PRELIMINARY

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DATE PREPARED	3/11/2019
ROUTE	I-44
STATE	MO
DISTRICT	SW
SHEET NO.	84
COUNTY	WEBSTER
JOB NO.	J8I0445
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

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

DATE	DESCRIPTION

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SCALE

0 50 100 150

TEMPORARY EROSION CONTROL LEGEND

- (S) SEDIMENT TRAP
- (A) ALTERNATE DITCH CHECK
- (C) CURB INLET CHECK
- (R) ROCK DITCH CHECK
- INLET CHECK
- ROCK DITCH LINING
- TURF TYPE TALL FESCUE SODDING
- TURF REINFORCEMENT MAT
- SEEDING - COOL SEASON MIXTURE
- SILT FENCE

SEE SHEET 89 & 90 FOR DITCH CHECK LOCATIONS AND SIZES

SEE SHEET 84
MATCHLINE ROUTE CC
STA. 125+50.00

SEE SHEET 86
MATCHLINE RIFLE RANGE RD
STA. 21+00.00

27+25
RIFLE RANGE LT.

V-DITCH @ 0.44% GRADE

V-DITCH @ 4.11% GRADE

V-DITCH @ 4.00% GRADE

V-DITCH @ 3.89% GRADE

V-DITCH @ 3.75% GRADE

V-DITCH @ 3.58% GRADE

V-DITCH @ 4.14% GRADE

V-DITCH @ 1.40% GRADE

V-DITCH @ 2.69% GRADE

139+76
ROUTE CC LT.

139+80
ROUTE CC RT.

137+17
ROUTE CC RT.

135+92
ROUTE CC RT.

SILT FENCE 419 LF,
STA. 125+76 TO
STA. 129+91 ROUTE CC

SILT FENCE 146 LF,
STA. 137+53 TO
STA. 138+92 ROUTE CC

SILT FENCE 95 LF,
STA. 136+13 TO
STA. 136+92 ROUTE CC

℄ EXIST ROUTE CC

OUTFALL NO. 13
TRIBUTARY OF EAST
FORK NIANGUA RIVER

OUTFALL NO. 14
TRIBUTARY OF EAST
FORK NIANGUA RIVER

EXIST R/W
R/W
SLC
T.C.E.
OHE
PP
BUILDING
130
10
135

ROUTE CC

EROSION CONTROL
PRE-CONSTRUCTION
SHEET 12 OF 49

PRELIMINARY

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DATE PREPARED: 3/11/2019

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
SW	85

COUNTY: WEBSTER

JOB NO.: J8I0445

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.:

DESCRIPTION

DATE

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

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SCALE
0 50 100 150

SEE SHEET 89 & 90 FOR DITCH CHECK LOCATIONS AND SIZES

TEMPORARY EROSION CONTROL LEGEND

- (S) SEDIMENT TRAP
- (A) ALTERNATE DITCH CHECK
- (C) CURB INLET CHECK
- (R) ROCK DITCH CHECK
- INLET CHECK
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- TURF TYPE TALL FESCUE SODDING
- TURF REINFORCEMENT MAT
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- SILT FENCE

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OUTFALL NO. 15 TRIBUTARY OF EAST FORK NIANGUA RIVER

OUTFALL NO. 16 TRIBUTARY OF EAST FORK NIANGUA RIVER

OUTFALL NO. 17 TRIBUTARY OF EAST FORK NIANGUA RIVER

SILT SOCK 84 LF, STA. 19+67 TO STA. 20+25 RIFLE RANGE

19+47 RIFLE RANGE RT.

20+53 RIFLE RANGE RT.

17+10 RIFLE RANGE RT.

15+95 RIFLE RANGE RT.

R/W

EXIST. R/W

V-DITCH @ 2.31% GRADE

V-DITCH @ 2.25% GRADE

V-DITCH @ 2.90% GRADE

V-DITCH @ 5.56% GRADE

V-DITCH @ 4.00% GRADE

V-DITCH @ 4.11% GRADE

V-DITCH @ 4.00% GRADE

T.C.E.

℄ EXIST. E. HUBBLE DRIVE

EAST HUBBLE DRIVE

SEE SHEET RIFLE RANGE RD 85 MATCHLINE STA. 21+00.00

PRELIMINARY

DATE PREPARED 3/11/2019

ROUTE	STATE
I-44	MO

DISTRICT	SHEET NO.
SW	86

COUNTY: WEBSTER

JOB NO.: J8I0445

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.:

DESCRIPTION

DATE

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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

CMT
CRAWFORD, MURPHY & TILLY, INC.
1631 WEST ELFINDALE STREET
SPRINGFIELD, MO 65807 (417) 869-6009
ENGINEERING CORPORATION - 000631

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EROSION CONTROL
PRE-CONSTRUCTION
SHEET 13 OF 49

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TEMPORARY EROSION CONTROL LEGEND

- (S) SEDIMENT TRAP
- (A) ALTERNATE DITCH CHECK
- (C) CURB INLET CHECK
- (R) ROCK DITCH CHECK
- INLET CHECK
- ROCK DITCH LINING
- TURF TYPE TALL FESCUE SODDING
- TURF REINFORCEMENT MAT
- SEEDING – COOL SEASON MIXTURE
- SILT FENCE

SCALE
0 50 100 150

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SEE SHEET 89 & 90 FOR DITCH CHECK LOCATIONS AND SIZES

SEE SHEET 83
MATCHLINE ELM ST.
STA. 14+00.00

SEE SHEET 88
MATCHLINE ELM ST.
STA. 26+50.00

℄ ELM ST.

R/W

469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492

V-DITCH @ 2.94% GRADE

V-DITCH @ 4.08% GRADE

V-DITCH @ 5.39% GRADE

SILT FENCE 542 LF,
STA. 11+92 TO
STA. 17+28 ELM RT.

17+46
ELM RT.

20+64
ELM RT.

25+40
ELM RT.

OUTFALL NO. 18
TRIBUTARY OF EAST
FORK NIANGUA RIVER

OUTFALL NO. 19
TRIBUTARY OF EAST
FORK NIANGUA RIVER

NOTE
EROSION CONTROL WORK ALONG ELM STREET
TO BE INCLUDED IN ADD ALTERNATE B

PRELIMINARY

ELM STREET

EROSION CONTROL
PRE-CONSTRUCTION
SHEET 14 OF 49

DATE PREPARED 3/11/2019
ROUTE I-44 | STATE MO
DISTRICT SW | SHEET NO. 87
COUNTY WEBSTER
JOB NO. J8I0445
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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

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

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TEMPORARY EROSION CONTROL LEGEND

- (S) SEDIMENT TRAP
- (A) ALTERNATE DITCH CHECK
- (C) CURB INLET CHECK
- (R) ROCK DITCH CHECK
- INLET CHECK
- ROCK DITCH LINING
- TURF TYPE TALL FESCUE SODDING
- TURF REINFORCEMENT MAT
- SEEDING - COOL SEASON MIXTURE
- SILT FENCE

SCALE
0 50 100 150

SEE SHEET 89 & 90 FOR DITCH CHECK LOCATIONS AND SIZES

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

PRELIMINARY

SEE SHEET 87
MATCHLINE ELM ST.
STA. 26+50.00

494 496 497 498 499 500 501 495 493

V-DITCH @ 4.08% GRADE

V-DITCH @ 5.39% GRADE

V-DITCH @ 3.27% GRADE

R/W

UE

S

SILT FENCE 425 LF,
STA. 25+96 TO
STA. 30+18 ELM RT.

30+81
ELM RT.

SILT FENCE 182 LF,
STA. 31+37 TO
STA. 32+92 ELM RT.

POND

OUTFALL NO. 20
TRIBUTARY OF EAST
FORK NIANGUA RIVER

NOTE
EROSION CONTROL WORK ALONG ELM STREET TO BE INCLUDED IN ADD ALTERNATE B

ELM STREET

EROSION CONTROL
PRE-CONSTRUCTION
SHEET 15 OF 49

DATE PREPARED 3/11/2019
ROUTE I-44 | STATE MO
DISTRICT SW | SHEET NO. 88
COUNTY WEBSTER
JOB NO. J8I0445
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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SHEET 74
ALTERNATE DITCH CHECKS

ID	STA.	ROADWAY	ROCK DITCH CHECK (LF)
1	611+42	I-44 WB LT	12
2	612+54	I-44 WB LT	12
3	612+78	I-44 WB LT	12
4	613+56	I-44 WB LT	12
5	614+58	I-44 WB LT	12
6	615+60	I-44 WB LT	12
7	615+81	I-44 WB LT	12
8	616+62	I-44 WB LT	12
9	617+15	I-44 WB LT	12
10	613+36	I-44 WB RT	12
11	616+29	I-44 WB RT	12

SHEET 75
ALTERNATE DITCH CHECKS

ID	STA.	ROADWAY	ROCK DITCH CHECK (LF)
12	617+66	I-44 WB LT	12
13	617+81	I-44 WB LT	12
14	618+16	I-44 WB LT	12
15	618+20	I-44 WB LT	12
16	618+60	I-44 WB LT	12
17	618+67	I-44 WB LT	12
18	618+99	I-44 WB LT	12
19	619+18	I-44 WB LT	12
20	619+35	I-44 WB LT	12
21	619+38	I-44 WB LT	12
22	619+63	I-44 WB LT	12
23	619+65	I-44 WB LT	12
24	619+77	I-44 WB LT	12
25	619+95	I-44 WB LT	12
26	620+16	I-44 WB LT	12
27	620+25	I-44 WB LT	12
28	620+30	I-44 WB LT	12
31	620+54	I-44 WB LT	12
34	620+84	I-44 WB LT	12
37	621+14	I-44 WB LT	12
40	621+44	I-44 WB LT	12
43	621+74	I-44 WB LT	12
46	622+56	I-44 WB LT	12
50	623+06	I-44 WB LT	12
54	623+56	I-44 WB LT	12
57	624+06	I-44 WB LT	12
60	624+56	I-44 WB LT	12
61	624+69	I-44 WB LT	12
62	624+90	I-44 WB LT	12
63	625+06	I-44 WB LT	12
64	625+11	I-44 WB LT	12
65	625+32	I-44 WB LT	12
66	625+53	I-44 WB LT	12
67	625+56	I-44 WB LT	12
68	625+74	I-44 WB LT	12
69	625+95	I-44 WB LT	12
70	626+06	I-44 WB LT	12
71	626+16	I-44 WB LT	12
72	626+37	I-44 WB LT	12
109	623+69	I-44 WB RT	12
110	623+98	I-44 WB RT	12
111	624+28	I-44 WB RT	12
112	624+57	I-44 WB RT	12
113	624+87	I-44 WB RT	12
114	625+17	I-44 WB RT	12
115	625+47	I-44 WB RT	12
116	625+77	I-44 WB RT	12
117	626+07	I-44 WB RT	12
118	626+37	I-44 WB RT	12

SHEET 75
INLET CHECKS

ID	STA.	ROADWAY	ROCK DITCH CHECK (LF)
45	622+01	I-44 WB LT	50

SHEET 75
DITCH CHECKS

ID	STA.	ROADWAY	ROCK DITCH CHECK (LF)
29	620+44	I-44 WB LT	12
30	620+58	I-44 WB LT	12
32	620+73	I-44 WB LT	12
33	620+87	I-44 WB LT	12
35	621+02	I-44 WB LT	12
36	621+17	I-44 WB LT	12
38	621+31	I-44 WB LT	12
39	624+46	I-44 WB LT	12
41	621+62	I-44 WB LT	12
42	621+77	I-44 WB LT	12
44	621+92	I-44 WB LT	12
47	622+81	I-44 WB LT	28
48	622+96	I-44 WB LT	12
49	623+15	I-44 WB LT	12
51	623+33	I-44 WB LT	12
52	623+51	I-44 WB LT	12
53	623+69	I-44 WB LT	12
55	623+87	I-44 WB LT	12
56	624+06	I-44 WB LT	12
58	624+26	I-44 WB LT	12
59	624+48	I-44 WB LT	12
73	622+89	I-44 WB LT	28
74	623+12	I-44 WB LT	24
75	623+39	I-44 WB LT	24
76	623+77	I-44 WB LT	12
77	624+06	I-44 WB LT	12
78	624+35	I-44 WB LT	12
79	624+60	I-44 WB LT	12
80	624+83	I-44 WB LT	12
81	625+18	I-44 WB LT	12
82	625+48	I-44 WB LT	12
83	625+79	I-44 WB LT	12
84	626+11	I-44 WB LT	12
85	626+45	I-44 WB LT	12
86	618+95	I-44 WB RT	12
87	619+11	I-44 WB RT	12
88	619+25	I-44 WB RT	12
89	619+39	I-44 WB RT	12
90	619+53	I-44 WB RT	12
91	619+66	I-44 WB RT	12
92	619+78	I-44 WB RT	12
93	619+90	I-44 WB RT	12
94	620+63	I-44 WB RT	12
95	620+77	I-44 WB RT	12
96	621+04	I-44 WB RT	12
97	621+36	I-44 WB RT	12
98	621+67	I-44 WB RT	12
99	621+93	I-44 WB RT	12
100	621+96	I-44 WB RT	12
101	622+24	I-44 WB RT	12
102	622+25	I-44 WB RT	12
103	622+51	I-44 WB RT	12
104	622+56	I-44 WB RT	12
105	622+80	I-44 WB RT	12
106	622+81	I-44 WB RT	12
107	623+10	I-44 WB RT	12
108	623+40	I-44 WB RT	12

SHEET 76
ALTERNATE DITCH CHECKS

ID	STA.	ROADWAY	ROCK DITCH CHECK (LF)
119	626+56	I-44 WB LT	12
120	626+58	I-44 WB LT	12
123	627+06	I-44 WB LT	12
126	627+82	I-44 WB LT	12
128	628+20	I-44 WB LT	12
131	628+79	I-44 WB LT	12
132	629+29	I-44 WB LT	12
133	629+37	I-44 WB LT	12
135	629+55	I-44 WB LT	12
136	629+89	I-44 WB LT	12
137	629+79	I-44 WB LT	12
138	630+30	I-44 WB LT	28
139	630+49	I-44 WB LT	12
140	630+57	I-44 WB LT	12
141	631+05	I-44 WB LT	12
142	631+09	I-44 WB LT	12
143	631+17	I-44 WB LT	12
144	631+69	I-44 WB LT	12
145	631+77	I-44 WB LT	12
146	631+80	I-44 WB LT	12
147	632+29	I-44 WB LT	12
148	632+37	I-44 WB LT	12
149	632+55	I-44 WB LT	12
150	632+89	I-44 WB LT	12
151	632+94	I-44 WB LT	12
152	633+30	I-44 WB LT	12
153	633+49	I-44 WB LT	12
154	633+57	I-44 WB LT	12
155	624+83	I-44 WB LT	12
156	625+18	I-44 WB LT	12
157	625+48	I-44 WB LT	12
166	626+67	I-44 WB RT	12
167	626+97	I-44 WB RT	12
168	627+27	I-44 WB RT	12
169	627+57	I-44 WB RT	12
170	627+87	I-44 WB RT	12
171	628+17	I-44 WB RT	12
172	628+90	I-44 WB RT	12
173	629+45	I-44 WB RT	12
175	629+98	I-44 WB RT	12
176	630+48	I-44 WB RT	12
212	630+99	I-44 WB RT	12
215	631+48	I-44 WB RT	12
218	631+98	I-44 WB RT	12
221	632+48	I-44 WB RT	12
223	632+98	I-44 WB RT	12
226	633+48	I-44 WB RT	12
228	633+98	I-44 WB RT	12
229	634+48	I-44 WB RT	12

SHEET 76
DITCH CHECKS

ID	STA.	ROADWAY	ROCK DITCH CHECK (LF)
121	626+78	I-44 WB LT	12
122	627+09	I-44 WB LT	12
124	627+34	I-44 WB LT	12
125	627+65	I-44 WB LT	12
127	628+05	I-44 WB LT	12
130	628+79	I-44 WB LT	12
132	628+69	I-44 WB LT	12
158	633+38	I-44 WB LT	12
159	633+55	I-44 WB LT	12
160	633+69	I-44 WB LT	12
161	633+82	I-44 WB LT	12
162	633+87	I-44 WB LT	12
163	633+97	I-44 WB LT	12
164	634+16	I-44 WB LT	12
165	634+40	I-44 WB LT	12
174	629+44	I-44 WB RT	12
177	630+62	I-44 WB RT	12
178	629+45	I-44 WB RT	12
180	629+28	I-44 WB RT	12
181	629+20	I-44 WB RT	12
182	629+22	I-44 WB RT	12
183	629+33	I-44 WB RT	12
184	629+52	I-44 WB RT	12
185	629+73	I-44 WB RT	12
186	629+93	I-44 WB RT	12
187	630+11	I-44 WB RT	12
188	630+18	I-44 WB RT	12
189	630+23	I-44 WB RT	12
190	630+30	I-44 WB RT	12
191	630+44	I-44 WB RT	12
192	630+58	I-44 WB RT	12
193	629+01	I-44 WB RT	12
194	632+04	I-44 WB RT	12
195	631+80	I-44 WB RT	12
196	631+66	I-44 WB RT	12
197	631+57	I-44 WB RT	12
198	631+49	I-44 WB RT	12
199	631+43	I-44 WB RT	12
200	631+34	I-44 WB RT	12
201	631+26	I-44 WB RT	12
202	631+21	I-44 WB RT	12
203	631+14	I-44 WB RT	12
204	631+06	I-44 WB RT	12
205	630+98	I-44 WB RT	12
206	630+91	I-44 WB RT	12
207	630+83	I-44 WB RT	12
208	630+77	I-44 WB RT	12
209	630+72	I-44 WB RT	12
210	630+68	I-44 WB RT	12
211	630+65	I-44 WB RT	12
213	631+02	I-44 WB RT	12
214	631+21	I-44 WB RT	12
216	631+50	I-44 WB RT	12
217	631+80	I-44 WB RT	12
219	632+10	I-44 WB RT	12
220	632+40	I-44 WB RT	12
222	632+70	I-44 WB RT	12
224	633+00	I-44 WB RT	12
225	633+30	I-44 WB RT	12
227	633+60	I-44 WB RT	12

SHEET 76
INLET CHECKS

ID	STA.	ROADWAY	ROCK DITCH CHECK (LF)
129	628+64	I-44 WB LT	50
134	629+34	I-44 WB LT	50

SHEET 77
ALTERNATE DITCH CHECKS

ID	STA.	ROADWAY	ROCK DITCH CHECK (LF)
232	634+79	I-44 WB LT	12
233	634+80	I-44 WB LT	12
237	635+39	I-44 WB LT	12
238	635+55	I-44 WB LT	12
240	636+30	I-44 WB LT	12
243	637+05	I-44 WB LT	12
244	637+51	I-44 WB LT	12
245	637+79	I-44 WB LT	12
246	637+80	I-44 WB LT	12
247	638+51	I-44 WB LT	12
248	638+55	I-44 WB LT	12
249	638+79	I-44 WB LT	12
250	639+30	I-44 WB LT	12
251	639+51	I-44 WB LT	12
252	639+79	I-44 WB LT	12
253	640+45	I-44 WB LT	12
254	640+51	I-44 WB LT	12
255	641+20	I-44 WB LT	12
256	641+31	I-44 WB LT	12
258	641+95	I-44 WB LT	12
259	642+06	I-44 WB LT	12
260	642+70	I-44 WB LT	12
261	642+81	I-44 WB LT	12
262	643+45	I-44 WB LT	12
263	634+98	I-44 WB RT	12
264	635+47	I-44 WB RT	12
265	635+96	I-44 WB RT	12
266	636+22	I-44 WB RT	12
270	636+80	I-44 WB RT	12
273	637+39	I-44 WB RT	12
275	637+99	I-44 WB RT	12
276	638+59	I-44 WB RT	12
277	639+19	I-44 WB RT	12
278	640+44	I-44 WB RT	12
279	641+44	I-44 WB RT	12
280	642+44	I-44 WB RT	12
281	643+30	I-44 WB RT	12

SHEET 77
DITCH CHECKS

ID	STA.	ROADWAY	ROCK DITCH CHECK (LF)
230	634+70	I-44 WB LT	12
231	634+69	I-44 WB LT	12
234	635+05	I-44 WB LT	12
235	635+29	I-44 WB LT	12
236	635+34	I-44 WB LT	12
241	636+51	I-44 WB LT	12
242	636+79	I-44 WB LT	12
257	641+50	I-44 WB LT	12
267	636+28	I-44 WB RT	12
268	636+34	I-44 WB RT	12
269	636+54	I-44 WB RT	12
271	636+82	I-44 WB RT	12
272	637+15	I-44 WB RT	12
274	637+47	I-44 WB RT	12

SHEET 77
INLET CHECKS

ID	STA.	ROADWAY	ROCK DITCH CHECK (LF)
239	635+69	I-44 WB LT	50

PRELIMINARY

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DATE PREPARED
3/11/2019

ROUTE	STATE
I-44	MO

DISTRICT	SHEET NO.
SW	89

COUNTY
WEBSTER

JOB NO.
J8I0445

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

CMT
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1631 WEST ELFINDALE STREET
SPRINGFIELD, MO 65807 (417) 869-6009
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EROSION CONTROL
PRE-CONSTRUCTION
SHEET 16 OF 49

SHEET 78
ALTERNATE DITCH CHECKS

ID	STA.	ROADWAY	ROCK DITCH CHECK (LF)
282	643+56	I-44 WB LT	12
283	644+20	I-44 WB LT	12
284	644+31	I-44 WB LT	12
285	644+95	I-44 WB LT	12
286	645+06	I-44 WB LT	12
287	645+70	I-44 WB LT	12
288	645+81	I-44 WB LT	12
289	646+45	I-44 WB LT	12
290	646+56	I-44 WB LT	12
291	647+20	I-44 WB LT	12
292	647+31	I-44 WB LT	12
293	647+95	I-44 WB LT	12
294	648+06	I-44 WB LT	12
295	648+70	I-44 WB LT	12
296	648+81	I-44 WB LT	12
297	649+44	I-44 WB LT	12
298	649+56	I-44 WB LT	12
299	650+19	I-44 WB LT	12
300	650+31	I-44 WB LT	12
301	650+93	I-44 WB LT	12
302	644+05	I-44 WB RT	12
303	644+80	I-44 WB RT	12
304	645+55	I-44 WB RT	12
305	646+30	I-44 WB RT	12
306	647+04	I-44 WB RT	12
307	647+80	I-44 WB RT	12
308	648+55	I-44 WB RT	12

SHEET 79
ALTERNATE DITCH CHECKS

ID	STA.	ROADWAY	ROCK DITCH CHECK (LF)
309	3+10	MARSHALL LT	12
310	3+86	MARSHALL LT	12
311	4+58	MARSHALL LT	12
312	5+27	MARSHALL LT	12
313	5+90	MARSHALL LT	12
314	6+43	MARSHALL LT	12
315	2+94	MARSHALL RT	12
316	3+40	MARSHALL RT	12
317	3+87	MARSHALL RT	12
318	4+35	MARSHALL RT	12
319	4+81	MARSHALL RT	12
320	5+23	MARSHALL RT	12
321	5+65	MARSHALL RT	12
322	5+98	MARSHALL RT	12
323	6+43	MARSHALL RT	12

SHEET 80
DITCH CHECKS

ID	STA.	ROADWAY	ROCK DITCH CHECK (LF)
327	64+07	ROUTE CC LT	12
328	64+15	ROUTE CC LT	12
332	65+96	ROUTE CC LT	12

SHEET 80
ALTERNATE DITCH CHECKS

ID	STA.	ROADWAY	ROCK DITCH CHECK (LF)
324	64+15	ROUTE CC LT	12
325	64+29	ROUTE CC LT	12
326	64+52	ROUTE CC LT	12
329	65+19	ROUTE CC LT	12
330	65+58	ROUTE CC LT	12
331	65+95	ROUTE CC LT	12
333	66+33	ROUTE CC LT	12
334	66+71	ROUTE CC LT	12
335	67+10	ROUTE CC LT	12
336	67+48	ROUTE CC LT	12
337	67+86	ROUTE CC LT	12
338	68+24	ROUTE CC LT	12
339	68+62	ROUTE CC LT	12
340	69+00	ROUTE CC LT	12
341	69+38	ROUTE CC LT	12
342	69+76	ROUTE CC LT	12
343	70+14	ROUTE CC LT	12
344	70+52	ROUTE CC LT	12
345	70+90	ROUTE CC LT	12
346	71+28	ROUTE CC LT	12
347	72+41	ROUTE CC LT	12
348	71+28	ROUTE CC LT	12
349	74+40	ROUTE CC LT	12
350	75+40	ROUTE CC LT	12
351	76+40	ROUTE CC LT	12
352	64+59	ROUTE CC RT	12
353	64+66	ROUTE CC RT	12
354	64+77	ROUTE CC RT	12
355	65+06	ROUTE CC RT	12
356	65+56	ROUTE CC RT	12
357	66+05	ROUTE CC RT	12
358	66+55	ROUTE CC RT	12
359	67+30	ROUTE CC RT	12
360	68+05	ROUTE CC RT	12
361	68+81	ROUTE CC RT	12
362	69+55	ROUTE CC RT	12
363	70+31	ROUTE CC RT	12
364	71+05	ROUTE CC RT	12
365	71+81	ROUTE CC RT	12
366	72+81	ROUTE CC RT	12
367	74+71	ROUTE CC RT	12
368	76+21	ROUTE CC RT	12

SHEET 81
ALTERNATE DITCH CHECKS

ID	STA.	ROADWAY	ROCK DITCH CHECK (LF)
369	10+62	MARSHALL N LT	12
370	11+62	MARSHALL N LT	12
371	12+62	MARSHALL N LT	12
372	13+62	MARSHALL N LT	12
373	14+62	MARSHALL N LT	12
374	10+25	MARSHALL N RT	12

SHEET 82
DITCH CHECKS

ID	STA.	ROADWAY	ROCK DITCH CHECK (LF)
375	91+92	ROUTE CC LT	12
376	91+39	ROUTE CC RT	12
377	91+65	ROUTE CC RT	12
378	101+38	ROUTE CC RT	12

SHEET 83
DITCH CHECKS

ID	STA.	ROADWAY	ROCK DITCH CHECK (LF)
379	101+91	ROUTE CC LT	12
380	102+79	ROUTE CC LT	12
381	109+43	ROUTE CC LT	12
382	109+41	ROUTE CC LT	12
383	109+46	ROUTE CC LT	12
384	109+48	ROUTE CC LT	12
385	101+62	ROUTE CC RT	12
386	102+57	ROUTE CC RT	12
387	102+69	ROUTE CC RT	12
388	109+46	ROUTE CC RT	12
389	109+59	ROUTE CC RT	12
390	109+69	ROUTE CC RT	12
391	109+68	ROUTE CC RT	12

SHEET 85
ALTERNATE DITCH CHECKS

ID	STA.	ROADWAY	ROCK DITCH CHECK (LF)
392	21+54	RIFLE RANGE LT	12
393	21+88	RIFLE RANGE LT	12
394	22+23	RIFLE RANGE LT	12
395	22+57	RIFLE RANGE LT	12
396	23+14	RIFLE RANGE LT	12
397	23+45	RIFLE RANGE LT	12
398	23+76	RIFLE RANGE LT	12
399	24+03	RIFLE RANGE LT	12
400	24+31	RIFLE RANGE LT	12
401	24+62	RIFLE RANGE LT	12
402	24+96	RIFLE RANGE LT	12
403	25+31	RIFLE RANGE LT	12
404	25+68	RIFLE RANGE LT	12
405	26+06	RIFLE RANGE LT	12
406	26+44	RIFLE RANGE LT	12
407	26+82	RIFLE RANGE LT	12
408	21+45	RIFLE RANGE RT	12
409	21+80	RIFLE RANGE RT	12
410	22+15	RIFLE RANGE RT	12
411	22+50	RIFLE RANGE RT	12
412	23+01	RIFLE RANGE RT	12
413	23+32	RIFLE RANGE RT	12
414	23+63	RIFLE RANGE RT	12
415	23+93	RIFLE RANGE RT	12
416	24+24	RIFLE RANGE RT	12
417	24+59	RIFLE RANGE RT	12
418	24+97	RIFLE RANGE RT	12
419	25+37	RIFLE RANGE RT	12
420	25+75	RIFLE RANGE RT	12
421	26+13	RIFLE RANGE RT	12
422	26+51	RIFLE RANGE RT	12
423	26+89	RIFLE RANGE RT	12
424	133+38	ROUTE CC LT	12
425	133+61	ROUTE CC LT	12
426	133+85	ROUTE CC LT	12
427	134+10	ROUTE CC LT	12
428	134+87	ROUTE CC LT	12
429	134+66	ROUTE CC LT	12
430	134+96	ROUTE CC LT	12
431	135+39	ROUTE CC LT	12
432	136+05	ROUTE CC LT	12
433	136+75	ROUTE CC LT	12
434	137+32	ROUTE CC LT	12
435	138+30	ROUTE CC LT	12
436	133+80	ROUTE CC RT	12
437	134+02	ROUTE CC RT	12
438	134+28	ROUTE CC RT	12
439	134+53	ROUTE CC RT	12
440	134+82	ROUTE CC RT	12
441	135+12	ROUTE CC RT	12
442	137+68	ROUTE CC RT	12
443	138+43	ROUTE CC RT	12
444	139+19	ROUTE CC RT	12

SHEET 86
ALTERNATE DITCH CHECKS

ID	STA.	ROADWAY	ROCK DITCH CHECK (LF)
445	16+40	RIFLE RANGE LT	12
446	16+67	RIFLE RANGE LT	12
447	16+99	RIFLE RANGE LT	12
448	17+33	RIFLE RANGE LT	12
449	17+67	RIFLE RANGE LT	12
450	18+04	RIFLE RANGE LT	12
451	18+43	RIFLE RANGE LT	12
452	18+80	RIFLE RANGE LT	12
453	19+16	RIFLE RANGE LT	12
454	20+29	RIFLE RANGE LT	12
455	17+56	RIFLE RANGE RT	12
456	17+93	RIFLE RANGE RT	12
457	18+13	RIFLE RANGE RT	12
458	18+30	RIFLE RANGE RT	12
459	18+30	RIFLE RANGE RT	12
460	18+52	RIFLE RANGE RT	12
461	18+66	RIFLE RANGE RT	12
462	18+91	RIFLE RANGE RT	12
463	19+02	RIFLE RANGE RT	12
464	19+40	RIFLE RANGE RT	12
465	20+50	RIFLE RANGE RT	12
466	20+67	RIFLE RANGE RT	12
467	20+92	RIFLE RANGE RT	12
468	20+93	RIFLE RANGE RT	12

SHEET 87
DITCH CHECKS

ID	STA.	ROADWAY	ROCK DITCH CHECK (LF)
469	18+08	ELM ST LT	12
470	18+31	ELM ST LT	12
471	23+82	ELM ST LT	12
472	24+15	ELM ST LT	12
473	24+53	ELM ST LT	12
474	24+91	ELM ST LT	12
475	25+29	ELM ST LT	12
476	25+67	ELM ST LT	12
477	26+05	ELM ST LT	12
478	26+43	ELM ST LT	12
479	26+50	ELM ST LT	12
480	17+85	ELM ST RT	12
481	21+03	ELM ST RT	12
482	21+40	ELM ST RT	12
483	21+76	ELM ST RT	12
484	22+14	ELM ST RT	12
485	22+53	ELM ST RT	12
486	22+91	ELM ST RT	12
487	23+03	ELM ST RT	12
488	23+64	ELM ST RT	12
489	25+57	ELM ST RT	12
490	25+80	ELM ST RT	12
491	26+03	ELM ST RT	12
492	26+26	ELM ST RT	12

SHEET 88
DITCH CHECKS

ID	STA.	ROADWAY	ROCK DITCH CHECK (LF)
493	26+73	ELM ST LT	12
494	26+81	ELM ST LT	12
495	26+97	ELM ST LT	12
496	27+25	ELM ST LT	12
497	27+52	ELM ST LT	12
498	27+79	ELM ST LT	12
499	28+17	ELM ST LT	12
500	28+55	ELM ST LT	12
501	28+93	ELM ST LT	12

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DATE PREPARED
3/11/2019

ROUTE	STATE
I-44	MO

DISTRICT	SHEET NO.
SW	90

COUNTY
WEBSTER

JOB NO.
J8I0445

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

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

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EROSION CONTROL
PRE-CONSTRUCTION
SHEET 17 OF 49

SCALE

0 50 100 150

SEE SHEET 92
MATCHLINE I-44 WB STA. 617+50.00

8' FBD @ 9.74% GRADE
ROCK DITCH LINER TYPE 1
2+49 TO 5+10 RAMP 3

8' FBD @ 0.50% GRADE

BROOK STREET

EXIST. R/W

EXIST. R/W

T.C.E.
(EXIST. ESMT.)

8' FBD @ 0.45% GRADE

℄ RAMP 3

615

SEE SHEET 106 & 107 FOR
DITCH CHECK LOCATIONS
AND SIZES

EXIST. R/W

SLOPE

SLOPE

T.C.E.

4' FBD @ 0.32%

V-DITCH @ 1.00%

℄ EXIST. NOR

2' FBD @ 0.60% GRADE

OUTFALL NO. 1
TRIBUTARY OF WEST
FORK NIANGUA RIVER

609+67
I-44 WB

610+40
I-44 WB

OUTFALL NO. 2
TRIBUTARY OF WEST
FORK NIANGUA RIVER

℄ EB I-44

℄ WB I-44

EXIST. R/W
(EXIST. ESMT.)

615

TEMPORARY EROSION CONTROL LEGEND

- (S) SEDIMENT TRAP
- (A) ALTERNATE DITCH CHECK
- (C) CURB INLET CHECK
- (R) ROCK DITCH CHECK
- INLET CHECK
- ROCK DITCH LINING
- TURF TYPE TALL FESCUE SODDING
- TURF REINFORCEMENT MAT
- SEEDING - COOL SEASON MIXTURE
- SILT FENCE

GENERAL NOTE

1. ROCK DITCH CHECKS AND SEDIMENT TRAPS ARE PROVIDED TO MINIMIZE LOSS OF SEDIMENT FROM MoDOT RIGHT-OF-WAY. THE USE OF SEDIMENT BASINS OF SUFFICIENT SIZE AS DESCRIBED IN THE ENGINEERING POLICY MANUAL (EPG) IS IMPRACTICAL THEREFORE TWO SEDIMENT BASINS OF A SMALLER SIZE ARE PROVIDED IN ADDITION TO THE OTHER BMP'S.

2. ROCK DITCH CHECKS ALONG I-44, ROUTE CC AND RIFLE RANGE ROAD THAT ARE WITHIN THE CLEARZONE SHALL BE REMOVED PRIOR TO OPENING ROADWAY TO TRAFFIC OTHERWISE ALTERNATE DITCH CHECKS SHALL BE USED.

INTERSTATE 44

EROSION CONTROL
DURING CONSTRUCTION
SHEET 18 OF 49

PRELIMINARY

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DATE PREPARED: 3/11/2019
ROUTE: I-44 | STATE: MO
DISTRICT: SW | SHEET NO.: 91
COUNTY: WEBSTER
JOB NO.: J8I0445
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

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

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SCALE
0 50 100 150

SEE SHEET 93
MATCHLINE I-44 WB STA. 626+50.00

NORTH OUTER ROAD
STA. 626+00.00

SILT FENCE
228 LF, EL 1350

SILT FENCE
356 LF, EL. 1345
BEGIN STA 624+78
END STA 627+86

SILT FENCE
123 LF, EL 1360

8' FBD DITCH
@ 1.90% GRADE

4' FBD DITCH
@ 1.90% GRADE

EXIST. R/W

SILT FENCE
130 LF, EL. 1350

℄ EB I-44

℄ NOR

SILT FENCE
228 LF, EL. 1350
BEGIN STA 624+74
END STA 626+14

SILT FENCE
130 LF, EL. 1350

4' FBD @
1.15% GRADE

℄ WB I-44

8' FBD @ 5.78% GRADE

℄ RAMP 2

OUTFALL NO. 3
TRIBUTARY OF WEST
FORK NIANGUA RIVER

SILT FENCE
573 LF, EL. 1335
BEGIN STA 620+05
END STA 625+99

VAR. WIDTH DITCH
@ 0.30% GRADE

VAR. WIDTH DITCH
@ 0.32% GRADE

STA 623+02
NOR

8' FBD @ 3.23% GRADE

4' FBD @
0.93% GRADE

VAR. WIDTH DITCH
@ 0.30% GRADE

VAR. WIDTH DITCH
@ 0.50% GRADE

SILT FENCE
438 LF, EL. 1325
BEGIN STA 620+62
END STA 625+25

8' FBD @ 17.69% GRADE
ROCK DITCH LINER TYPE 3
619+50 TO 620+90 NOR

V-DITCH @
0.30% GRADE

8' FBD @ 3.43% GRADE

ROCK DITCH LINER TYPE 2
10+00 TO 11+80 RAMP 3

8' FBD @ 5.14% GRADE

SILT FENCE
181 LF, EL. 1360
BEGIN STA 10+09
END STA 11+87

8' FBD @ 10.00% GRADE

SILT FENCE
152 LF, EL. 1350
BEGIN STA 8+47
END STA 9+97

ROCK DITCH LINER TYPE 3
7+02 TO 10+00 RAMP 3

8' FBD @ 6.15% GRADE

SILT FENCE
425 LF, EL. 1335
BEGIN STA 4+17
END STA 8+40

8' FBD @ 1.25% GRADE

SILT FENCE
177 LF, EL. 1325
BEGIN STA 5+29
END STA 7+05

8' FBD @ 0.68% GRADE

SILT FENCE
498 LF, EL. 1345
BEGIN STA 3+68
END STA 8+64

8' FBD @ 9.74% GRADE
ROCK DITCH LINER TYPE 1
2+49 TO 5+10 RAMP 3

(EXIST. ESMT.)

R/W

SLC

SEE SHEET 106 & 107 FOR
DITCH CHECK LOCATIONS
AND SIZES

MATCHLINE I-44 WB STA. 617+50.00
SEE SHEET 91

TEMPORARY EROSION CONTROL LEGEND

- (S) SEDIMENT TRAP
- (A) ALTERNATE DITCH CHECK
- (C) CURB INLET CHECK
- (R) ROCK DITCH CHECK
- INLET CHECK
- ROCK DITCH LINING
- TURF TYPE TALL FESCUE SODDING
- TURF REINFORCEMENT MAT
- SEEDING - COOL SEASON MIXTURE
- SILT FENCE

PRELIMINARY

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DATE PREPARED 3/11/2019
ROUTE I-44 | STATE MO
DISTRICT SW | SHEET NO. 92
COUNTY WEBSTER
JOB NO. J8I0445
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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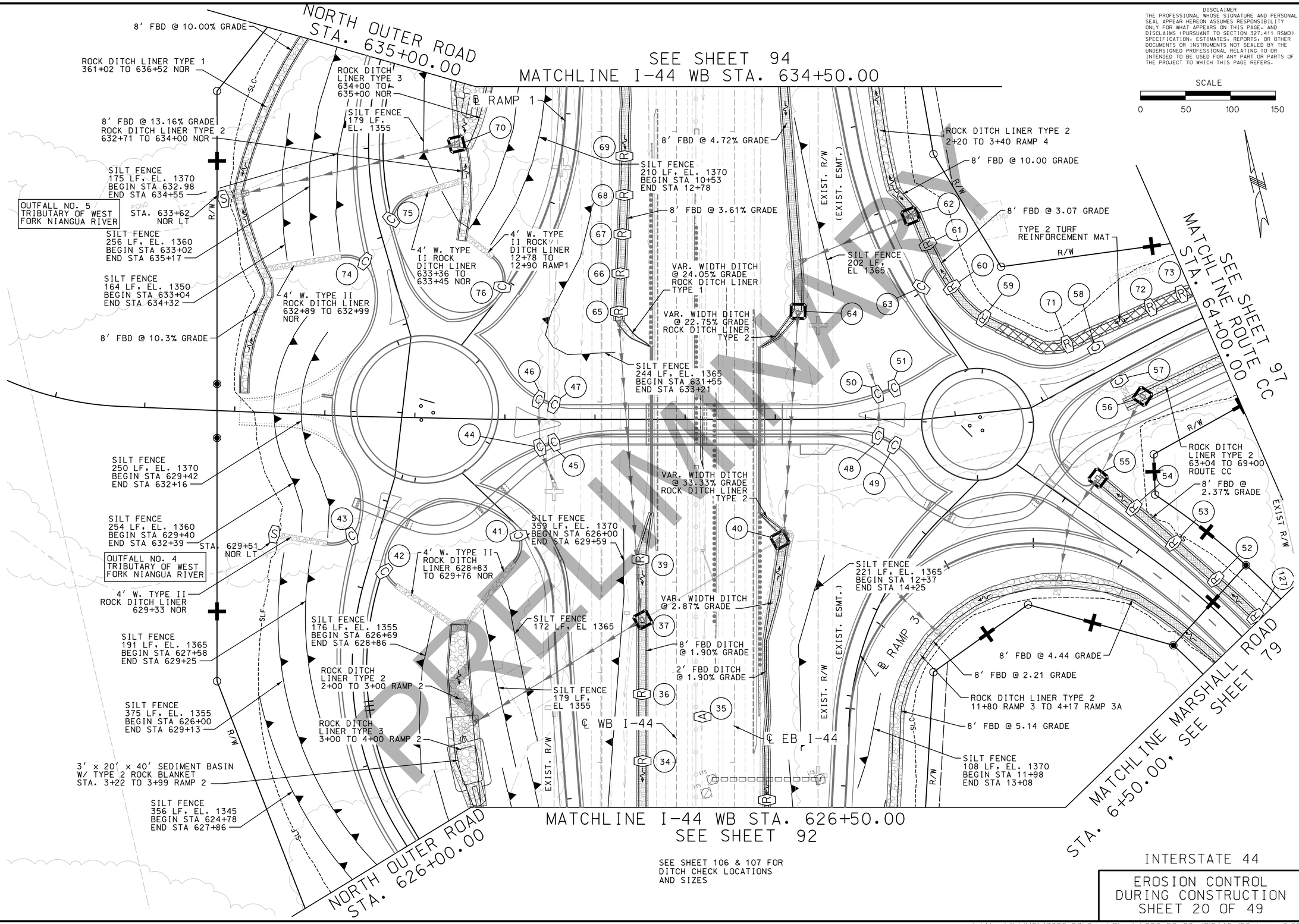
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JEFFERSON CITY, MO 65102
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INTERSTATE 44

EROSION CONTROL
DURING CONSTRUCTION
SHEET 19 OF 49

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DATE PREPARED	3/11/2019
ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
SW	93
COUNTY	WEBSTER
JOB NO.	J8I0445
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION
DATE

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

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INTERSTATE 44

EROSION CONTROL DURING CONSTRUCTION
SHEET 20 OF 49

SCALE
0 50 100 150

TEMPORARY EROSION CONTROL LEGEND

- (S) SEDIMENT TRAP
- (A) ALTERNATE DITCH CHECK
- (C) CURB INLET CHECK
- (R) ROCK DITCH CHECK
- INLET CHECK
- ROCK DITCH LINING
- TURF TYPE TALL FESCUE SODDING
- TURF REINFORCEMENT MAT
- SEEDING - COOL SEASON MIXTURE
- SILT FENCE

SEE SHEET 95
MATCHLINE I-44 WB STA. 643+50.00

4' FBD @ 1.89% GRADE

4' FBD @ 1.44% GRADE

℄ WB I-44

640 4' FBD @ 2.73% GRADE

8' FBD @ 2.00% GRADE

8' FBD @ 3.95% GRADE

8' FBD @ 5.97% GRADE
ROCK DITCH LINER TYPE 1
635+91 TO 638+62 NOR

8' FBD @ 0.61% GRADE

SEE SHEET 106 & 107 FOR
DITCH CHECK LOCATIONS
AND SIZES

℄ RAMP 1

VAR WIDTH FBD @ 3.75% GRADE

3' x 20' x 40' SEDIMENT BASIN
W/ TYPE 2 ROCK BLANKET
STA. 10+32 TO 11+11 RAMP 1

ROCK DITCH LINER TYPE 1
361+02 TO 636+52 NOR

ROCK DITCH
LINER TYPE 3
635+00 TO
635+91 NOR

NORTH OUTER ROAD
STA. 635+00.00

8' FBD @ 0.97 GRADE
ROCK DITCH LINER TYPE 2
9+21 TO 10+50 RAMP 4

℄ EB I-44

8' FBD @ 1.96 GRADE

8' FBD @ 2.42% GRADE

8' FBD @ 2.02% GRADE

SILT FENCE
443 LF, EL. 1360
BEGIN STA 8+72
END STA 12+70

℄ RAMP 4

ROCK DITCH LINER TYPE 2
3+40 TO 5+19 RAMP 4

8' FBD @ 2.71 GRADE
ROCK DITCH LINER TYPE 2
2+20 TO 3+40 RAMP 4

8' FBD @ 4.72% GRADE

8' FBD @ 0.81% GRADE

EXIST. R/W
(EXIST. ESMT.)
R/W
SLF
SLC

MATCHLINE I-44 WB STA. 634+50.00
SEE SHEET 93

PRELIMINARY

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DATE PREPARED: 3/11/2019
ROUTE: I-44 | STATE: MO
DISTRICT: SW | SHEET NO.: 94
COUNTY: WEBSTER
JOB NO.: J8I0445
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

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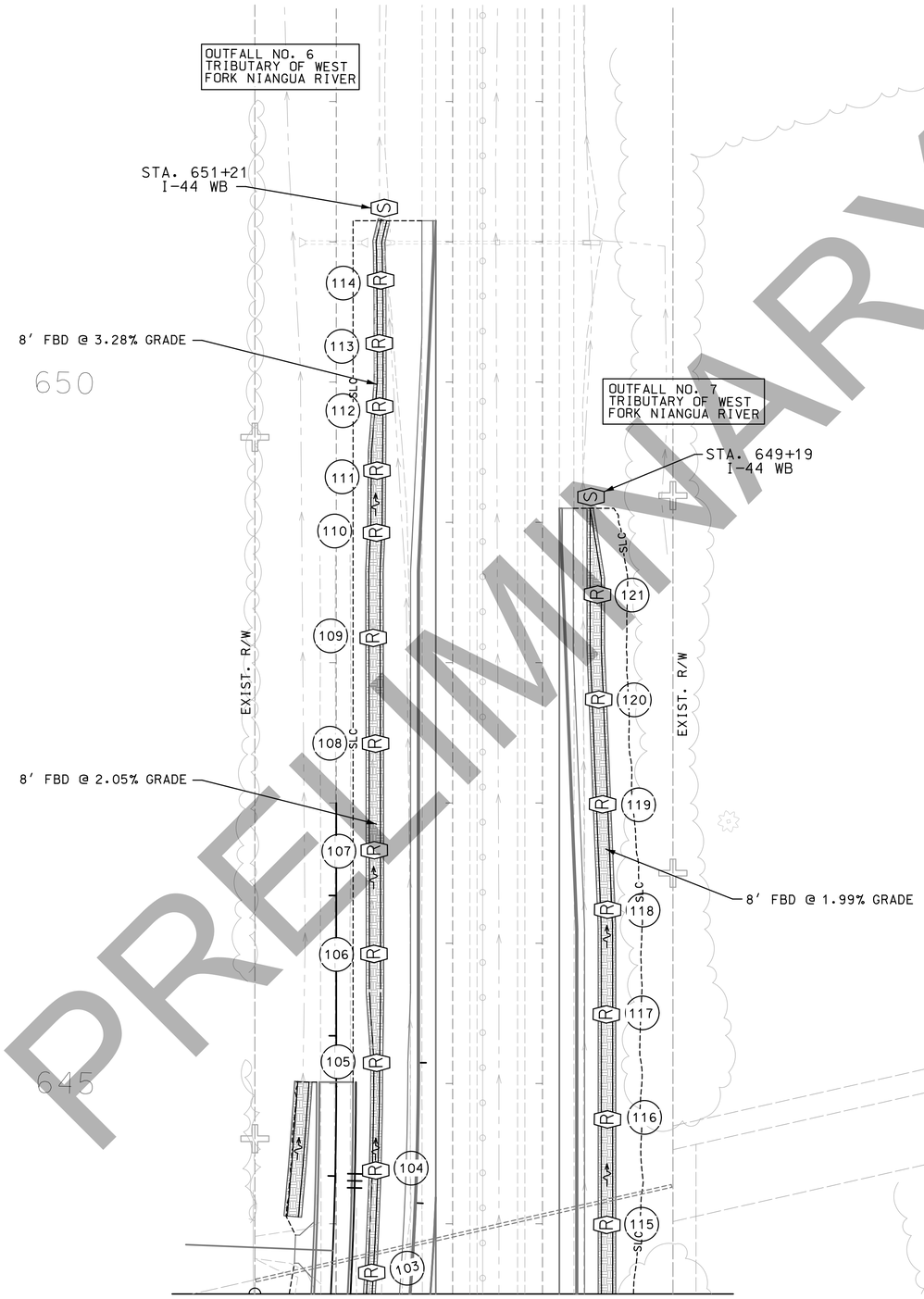
INTERSTATE 44

EROSION CONTROL
DURING CONSTRUCTION
SHEET 21 OF 49

SCALE

0 50 100 150

SEE SHEET 106 & 107 FOR DITCH CHECK LOCATIONS AND SIZES



MATCHLINE I-44 WB STA. 643+50.00
SEE SHEET 94

TEMPORARY EROSION CONTROL LEGEND

- (S) SEDIMENT TRAP
- (A) ALTERNATE DITCH CHECK
- (C) CURB INLET CHECK
- (R) ROCK DITCH CHECK
- INLET CHECK
- ROCK DITCH LINING
- TURF TYPE TALL FESCUE SODDING
- TURF REINFORCEMENT MAT
- SEEDING - COOL SEASON MIXTURE
- SILT FENCE

PRELIMINARY

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DATE PREPARED: 3/11/2019

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
SW	95

COUNTY: WEBSTER
JOB NO.: J8I0445
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

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

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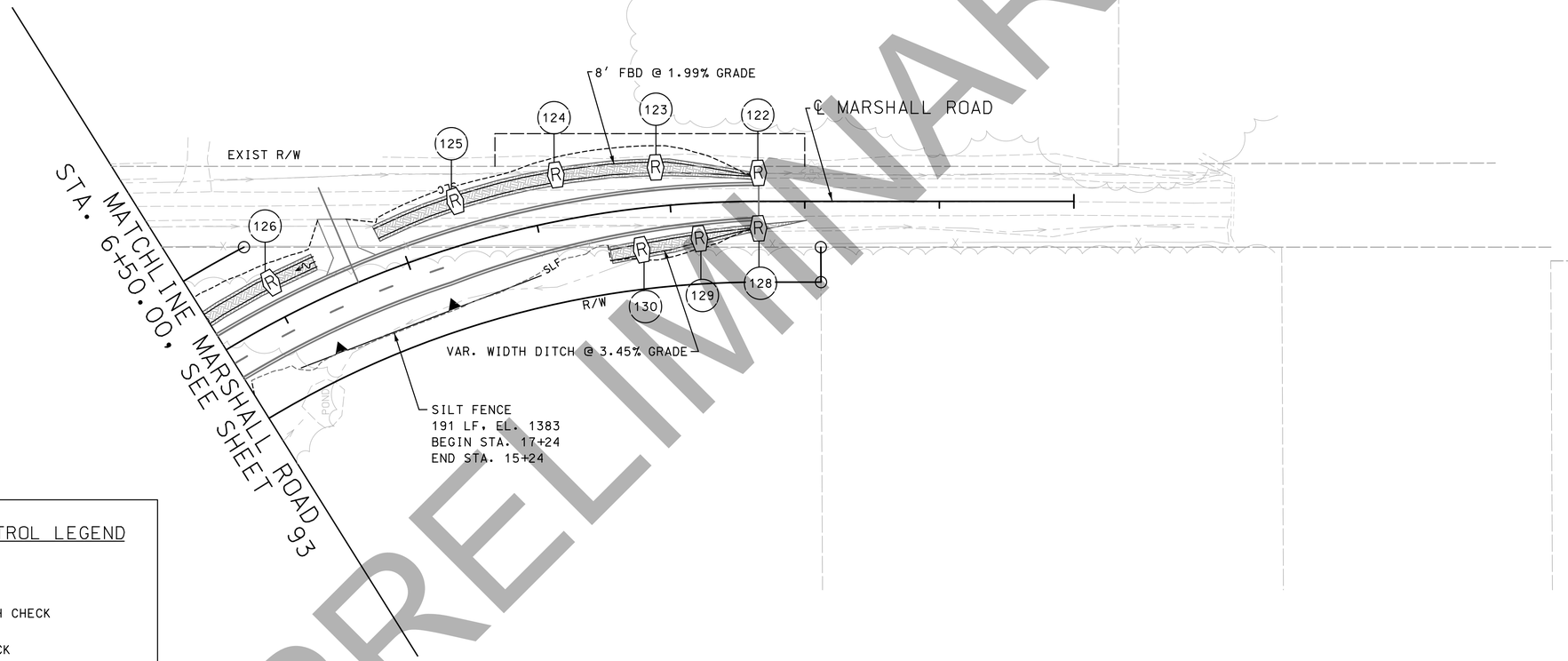
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INTERSTATE 44

EROSION CONTROL
DURING CONSTRUCTION
SHEET 22 OF 49

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SCALE
0 50 100 150



SEE SHEET 106 & 107 FOR DICH CHECK LOCATIONS AND SIZES

TEMPORARY EROSION CONTROL LEGEND

- (S) SEDIMENT TRAP
- (A) ALTERNATE DITCH CHECK
- (C) CURB INLET CHECK
- (R) ROCK DITCH CHECK
- INLET CHECK
- ROCK DITCH LINING
- TURF TYPE TALL FESCUE SODDING
- TURF REINFORCEMENT MAT
- SEEDING - COOL SEASON MIXTURE
- SILT FENCE

PRELIMINARY

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

DATE PREPARED 3/11/2019

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
SW	96

COUNTY: WEBSTER
JOB NO.: J8I0445
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DATE	DESCRIPTION

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

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

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1631 WEST ELFINDALE STREET
SPRINGFIELD, MO 65807 (417) 869-6009
ENGINEERING CORPORATION - 000631

MARSHALL ROAD

EROSION CONTROL
DURING CONSTRUCTION
SHEET 23 OF 49

SCALE
0 50 100 150

SEE SHEET 106 & 107 FOR
DITCH CHECK LOCATIONS
AND SIZES

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BUILDING
BUILDING
BUILDING
WELL

TYPE 2 TURF REINFORCEMENT MAT

8' FBD @ 4.96% GRADE

8' FBD @ 1.88% GRADE

℄ ROUTE CC

SEE SHEET 93
MATCHLINE ROUTE CC
STA. 64+00.00

SEE SHEET 98
MATCHLINE ROUTE CC
STA. 76+50.00

EXIST R/W

SLC

T.C.E.

8' FBD @ 4.96% GRADE
ROCK DITCH LINER TYPE 2
63+04 TO 69+00 ROUTE CC

8' FBD @ 1.96% GRADE

ROCK DITCH LINER TYPE 2

POND

TEMPORARY EROSION CONTROL LEGEND

- (S) SEDIMENT TRAP
- (A) ALTERNATE DITCH CHECK
- (C) CURB INLET CHECK
- (R) ROCK DITCH CHECK
- INLET CHECK
- ROCK DITCH LINING
- TURF TYPE TALL FESCUE SODDING
- TURF REINFORCEMENT MAT
- SEEDING - COOL SEASON MIXTURE
- SILT FENCE

PRELIMINARY

ROUTE CC

EROSION CONTROL
DURING CONSTRUCTION
SHEET 24 OF 49

DATE PREPARED 3/11/2019
ROUTE I-44 | STATE MO
DISTRICT SW | SHEET NO. 97
COUNTY WEBSTER
JOB NO. J8I0445
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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

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SCALE
0 50 100 150

EXIST R/W
EXIST R/W
℄ MARSHALL ROAD

OUTFALL NO. 8
TRIBUTARY OF WEST
FORK NIANGUA RIVER

OUTFALL NO. 9
TRIBUTARY OF WEST
FORK NIANGUA RIVER

SEE SHEET 106 & 107 FOR
DITCH CHECK LOCATIONS
AND SIZES

POND

TEMPORARY EROSION CONTROL LEGEND

- (S) SEDIMENT TRAP
- (A) ALTERNATE DITCH CHECK
- (C) CURB INLET CHECK
- (R) ROCK DITCH CHECK
- INLET CHECK
- ROCK DITCH LINING
- TURF TYPE TALL FESCUE SODDING
- TURF REINFORCEMENT MAT
- SEEDING - COOL SEASON MIXTURE
- SILT FENCE

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DATE PREPARED 3/11/2019
ROUTE I-44 | STATE MO
DISTRICT SW | SHEET NO. 98
COUNTY WEBSTER
JOB NO. J8I0445
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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

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SEE SHEET 97
MATCHLINE ROUTE CC
STA. 76+50.00

SEE SHEET 99
MATCHLINE ROUTE CC
STA. 89+00.00

℄ ROUTE CC

8' FBD @ 3.10% GRADE
8' FBD @ 3.10% GRADE
8' FBD @ 3.10% GRADE

ROCK DITCH LINER TYPE 2
75+70 TO 85+16 ROUTE CC

ROCK DITCH LINER TYPE 2

T.C.E.
R/W
SLC

ROUTE CC

EROSION CONTROL
DURING CONSTRUCTION
SHEET 25 OF 49

PRELIMINARY

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SCALE
0 50 100 150

90 95 100

SEE SHEET 98
MATCHLINE ROUTE CC
STA. 89+00.00

SEE SHEET 100
MATCHLINE ROUTE CC
STA. 101+50.00

OUTFALL NO. 10
TRIBUTARY OF EAST
FORK NIANGUA RIVER
STA. 92+14 RTE CC LT

℄ ROUTE CC

8' FBD @ 4.15% GRADE
8' FBD @ 3.11% GRADE
8' FBD @ 1.98% GRADE
8' FBD @ 6.81% GRADE
ROCK DITCH LINER TYPE 1
98+00 TO 100+69 ROUTE CC
8' FBD @ 1.36% GRADE
8' FBD @ 2.12% GRADE
ROCK DITCH LINER TYPE 2
88+40 TO 91+58 ROUTE CC
8' FBD @ 4.00% GRADE
8' FBD @ 1.98% GRADE
8' FBD @ 4.79% GRADE
ROCK DITCH LINER TYPE 1
99+32 TO 101+77 ROUTE CC
8' FBD @ 5.51% GRADE

T.C.E.
R/W
SLC
ROUTE CC

192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221

SEE SHEET 106 & 107 FOR
DITCH CHECK LOCATIONS
AND SIZES

TEMPORARY EROSION CONTROL LEGEND

- S — SEDIMENT TRAP
- A — ALTERNATE DITCH CHECK
- C — CURB INLET CHECK
- R — ROCK DITCH CHECK
- INLET CHECK
- ROCK DITCH LINING
- TURF TYPE TALL FESCUE SODDING
- TURF REINFORCEMENT MAT
- SEEDING - COOL SEASON MIXTURE
- SILT FENCE

PRELIMINARY

EROSION CONTROL
DURING CONSTRUCTION
SHEET 26 OF 49

DATE PREPARED 3/11/2019
ROUTE I-44 | STATE MO
DISTRICT SW | SHEET NO. 99
COUNTY WEBSTER
JOB NO. J8I0445
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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OUTFALL NO. 11
TRIBUTARY OF EAST
FORK NIANGUA RIVER

8' FBD @ 1.36% GRADE

STA. 102+98 RTE CC LT

8' FBD @ 14.63% GRADE
ROCK DITCH LINER TYPE 3
102+94 TO 104+39

8' FBD @ 4.75% GRADE

8' FBD @ 4.44% GRADE

8' FBD @ 15.24% GRADE
ROCK DITCH LINER TYPE 1
108+49 TO 109+60 ROUTE CC

OUTFALL NO. 12
TRIBUTARY OF EAST
FORK NIANGUA RIVER

STA. 109+54 RTE CC LT

8' FBD @ 15.48% GRADE
ROCK DITCH LINER TYPE 2
109+60 TO 111+11 ROUTE CC

SILT FENCE
103 LF, EL 1410

SILT FENCE
121 LF, EL 1415

SILT FENCE
300 LF, EL 1420

℄ ROUTE CC

8' FBD @ 11.81% GRADE
ROCK DITCH LINER TYPE 1
111+11 TO 112+71 ROUTE CC

SILT FENCE
300 LF, EL 1420

8' FBD @
11.81% GRADE
ROCK DITCH
LINER TYP2 2
112+71 TO 114+94
ROUTE CC

SILT FENCE
143 LF, EL 1420

SILT FENCE
191 LF, EL 1430

SILT FENCE
73 LF, EL 1440

T.C.E.

8' FBD @ 11.43% GRADE
ROCK DITCH LINER TYPE 2
109+62 TO 112+41 ROUTE CC

8' FBD @ 7.78% GRADE
ROCK DITCH LINER TYPE 1
112+41 TO 114+30 ROUTE CC

SEE SHEET 101
MATCHLINE ROUTE CC
STA. 114+00.00

SEE SHEET 99
MATCHLINE ROUTE CC
STA. 101+50.00

8' FBD @
3.07% GRADE

T.C.E.

ELM ST.

8' FBD @ 4.75% GRADE

8' FBD @ 2.82% GRADE

8' FBD @ 11.71% GRADE
ROCK DITCH LINER TYPE 1
108+96 TO 109+62 ROUTE CC

ROCK DITCH LINER TYPE 1
104+14 TO 104+54 ROUTE CC

NOTE
EROSION CONTROL WORK ALONG ELM STREET
TO BE INCLUDED IN ADD ALTERNATE B

SEE SHEET 106 & 107 FOR
DITCH CHECK LOCATIONS
AND SIZES

SEE SHEET 104
MATCHLINE ELM ST.
STA. 14+00.00

ROUTE CC

EROSION CONTROL
DURING CONSTRUCTION
SHEET 27 OF 49

PRELIMINARY

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

DATE PREPARED
3/11/2019

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
SW	100

COUNTY
WEBSTER

JOB NO.
J8I0445

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

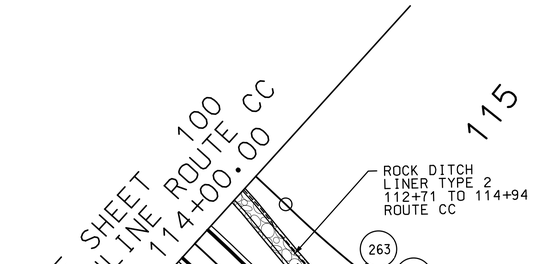
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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JEFFERSON CITY, MO 65102
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SCALE
0 50 100 150



TEMPORARY EROSION CONTROL LEGEND

- (S) SEDIMENT TRAP
- (A) ALTERNATE DITCH CHECK
- (C) CURB INLET CHECK
- (R) ROCK DITCH CHECK
- INLET CHECK
- ROCK DITCH LINING
- TURF TYPE TALL FESCUE SODDING
- TURF REINFORCEMENT MAT
- SEEDING - COOL SEASON MIXTURE
- SILT FENCE

SEE SHEET 106 & 107 FOR
DITCH CHECK LOCATIONS
AND SIZES

PRELIMINARY

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DATE PREPARED 3/11/2019
ROUTE I-44 | STATE MO
DISTRICT SW | SHEET NO. 101
COUNTY WEBSTER
JOB NO. J8I0445
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE

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

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ROUTE CC

EROSION CONTROL
DURING CONSTRUCTION
SHEET 28 OF 49

SCALE

0 50 100 150

TEMPORARY EROSION CONTROL LEGEND

- (S) SEDIMENT TRAP
- (A) ALTERNATE DITCH CHECK
- (C) CURB INLET CHECK
- (R) ROCK DITCH CHECK
- INLET CHECK
- ROCK DITCH LINING
- TURF TYPE TALL FESCUE SODDING
- TURF REINFORCEMENT MAT
- SEEDING - COOL SEASON MIXTURE
- SILT FENCE

SEE SHEET 106 & 107 FOR DITCH CHECK LOCATIONS AND SIZES

PRELIMINARY

SEE SHEET 101
MATCHLINE ROUTE CC
STA. 125+50.00

SEE SHEET 103
MATCHLINE RIFLE RANGE RD
STA. 21+00.00

8' FBD @ 8.58% GRADE

8' FBD @ 2.67% GRADE

8' FBD @ 5.91% GRADE
ROCK DITCH LINER TYPE 2
130+00 TO 131+74 ROUTE CC

8' FBD @ 4.72% GRADE

8' FBD @ 7.73% GRADE
ROCK DITCH LINER TYPE 1
130+49 TO 132+00 ROUTE CC

℄ ROUTE CC

ROCK DITCH LINER TYPE 2
132+00 ROUTE CC TO
20+44 RIFLE RANGE

8' FBD @ 12.22% GRADE
ROCK DITCH LINER TYPE 2
21+00 TO 22+64 RIFLE RANGE RD

8' FBD @ 5.53% GRADE

8' FBD @ 4.58% GRADE

8' FBD @ 8.15% GRADE
ROCK DITCH
LINER TYPE 2
137+05 TO
138+35 ROUTE

8' FBD @ 3.96% GRADE

8' FBD @ 2.32% GRADE

8' FBD @ 4.19% GRADE

STA. 137+11 RTE CC RT

OUTFALL NO. 13
TRIBUTARY OF EAST
FORK NIANGUA RIVER

STA. 135+91 RTE CC RT

OUTFALL NO. 14
TRIBUTARY OF EAST
FORK NIANGUA RIVER

EXIST R/W

T.C.E.

SLC

R/W

BUILDING

130

135

10

ROUTE CC

EROSION CONTROL
DURING CONSTRUCTION
SHEET 29 OF 49

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DATE PREPARED 3/11/2019

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
SW	102

COUNTY: WEBSTER

JOB NO.: J8I0445

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.:

DESCRIPTION

DATE

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

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105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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SCALE

0 50 100 150

SEE SHEET 106 & 107 FOR DITCH CHECK LOCATIONS AND SIZES

TEMPORARY EROSION CONTROL LEGEND

- (S) SEDIMENT TRAP
- (A) ALTERNATE DITCH CHECK
- (C) CURB INLET CHECK
- (R) ROCK DITCH CHECK
- INLET CHECK
- ROCK DITCH LINING
- TURF TYPE TALL FESCUE SODDING
- TURF REINFORCEMENT MAT
- SEEDING - COOL SEASON MIXTURE
- SILT FENCE

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OUTFALL NO. 15
TRIBUTARY OF EAST
FORK NIANGUA RIVER

OUTFALL NO. 16
TRIBUTARY OF EAST
FORK NIANGUA RIVER

8' FBD @ 9.17% GRADE
ROCK DITCH LINER TYPE 2
19+50 TO 21+00 RIFLE RANGE RD

8' FBD @ 5.27% GRADE

R/W

EXIST. R/W

398 397 396 395 394 393 392

391 390 389 388 387

℄ EXIST. E. HUBBLE DRIVE

OUTFALL NO. 17
TRIBUTARY OF EAST
FORK NIANGUA RIVER

STA. 16+74 RIFLE RANGE LT

8' FBD @ 2.97% GRADE

ROCK DITCH LINER TYPE 2
132+00 ROUTE CC TO
20+44 RIFLE RANGE

T.C.E.

SLC

SEE SHEET 102
RIFLE RANGE RD
MATCHLINE STA. 21+00.00

EAST HUBBLE DRIVE

EROSION CONTROL
DURING CONSTRUCTION
SHEET 30 OF 49

PRELIMINARY

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DATE PREPARED 3/11/2019

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
SW	103

COUNTY: WEBSTER
JOB NO.: J8I0445
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DATE	DESCRIPTION

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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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JEFFERSON CITY, MO 65102
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TEMPORARY EROSION CONTROL LEGEND

- (S) SEDIMENT TRAP
- (A) ALTERNATE DITCH CHECK
- (C) CURB INLET CHECK
- (R) ROCK DITCH CHECK
- INLET CHECK
- ROCK DITCH LINING
- TURF TYPE TALL FESCUE SODDING
- TURF REINFORCEMENT MAT
- SEEDING – COOL SEASON MIXTURE
- SILT FENCE

SCALE
0 50 100 150

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SEE SHEET 106 & 107 FOR DITCH CHECK LOCATIONS AND SIZES

SEE SHEET 100
MATCHLINE ELM ST.
STA. 14+00.00

SEE SHEET 105
MATCHLINE ELM ST.
STA. 26+50.00

℄ ELM ST.

8'FBD @ 3.56% GRADE
ROCK DITCH LINER TYPE 2
21+00 TO 31+00 ELM ST.

399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418

SLC R/W SLF ELM ST.

SILT FENCE
61 LF, EL. 1405
BEGIN STA 14+46
END STA 15+07

SILT FENCE
161 LF, EL. 1400
BEGIN STA 15+07
END STA 16+68

OUTFALL NO. 18
TRIBUTARY OF EAST
FORK NIANGUA RIVER

STA. 17+49
ELM LT

SILT FENCE
385 LF, EL. 1405
BEGIN STA 16+62
END STA 20+47

SILT FENCE
131 LF, EL. 1410
BEGIN STA 20+40
END STA 21+71

SILT FENCE
282 LF, EL. 1415
BEGIN STA 21+68
END STA 24+50

STA. 25+41
ELM LT

SILT FENCE
154 LF, EL. 1420
BEGIN STA 24+48
END STA 26+00

OUTFALL NO. 19
TRIBUTARY OF EAST
FORK NIANGUA RIVER

NOTE
EROSION CONTROL WORK ALONG ELM STREET TO BE INCLUDED IN ADD ALTERNATE B

PRELIMINARY

ELM STREET

EROSION CONTROL
DURING CONSTRUCTION
SHEET 31 OF 49

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

DESCRIPTION | DATE

DATE PREPARED 3/11/2019
ROUTE I-44 | STATE MO
DISTRICT SW | SHEET NO. 104
COUNTY WEBSTER
JOB NO. J8I0445
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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TEMPORARY EROSION CONTROL LEGEND

- (S) SEDIMENT TRAP
- (A) ALTERNATE DITCH CHECK
- (C) CURB INLET CHECK
- (R) ROCK DITCH CHECK
- INLET CHECK
- ROCK DITCH LINING
- TURF TYPE TALL FESCUE SODDING
- TURF REINFORCEMENT MAT
- SEEDING – COOL SEASON MIXTURE
- SILT FENCE

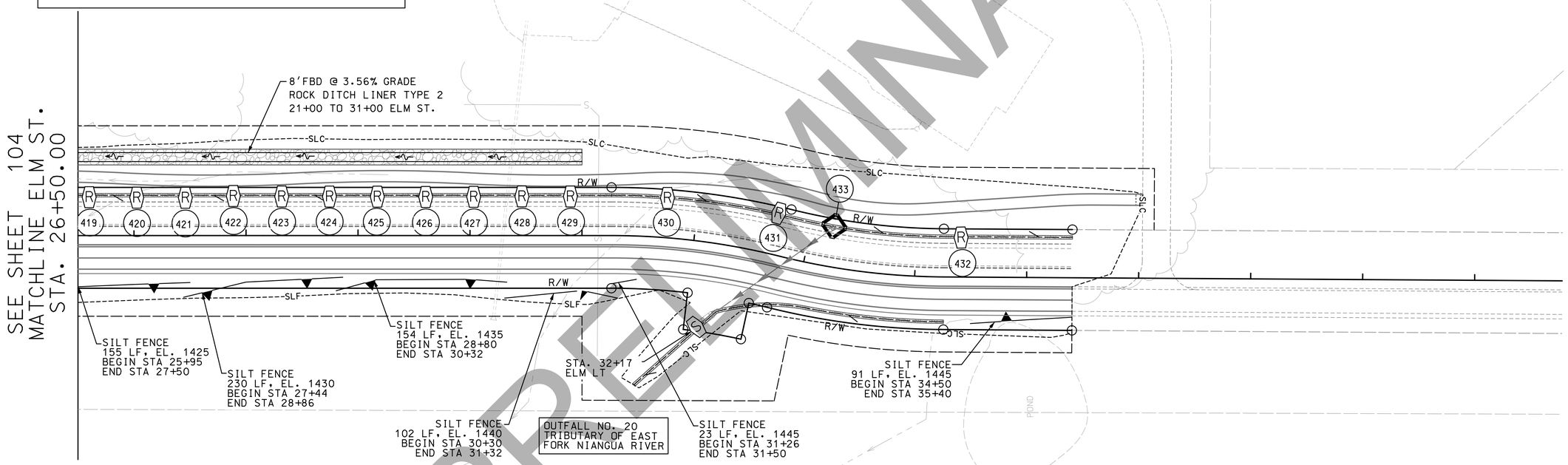
SCALE
0 50 100 150

SEE SHEET 106 & 107 FOR DITCH CHECK LOCATIONS AND SIZES

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PRELIMINARY



NOTE
EROSION CONTROL WORK ALONG ELM STREET TO BE INCLUDED IN ADD ALTERNATE B

ELM STREET

EROSION CONTROL
DURING CONSTRUCTION
SHEET 32 OF 49

DATE PREPARED
3/11/2019

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
SW	105

COUNTY
WEBSTER

JOB NO.
J8I0445

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

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

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1631 WEST ELFINDALE STREET
SPRINGFIELD, MO 65807 (417) 869-6009
ENGINEERING CORPORATION - 000631

SHEET 91
DITCH CHECKS

ID	STA.	ROADWAY	ROCK DITCH CHECK (LF)
8	610+61	I-44 WB RT	12
9	611+55	I-44 WB RT	12
10	612+63	I-44 WB RT	12
11	613+38	I-44 WB RT	18
12	616+87	I-44 WB RT	22

SHEET 92
DITCH CHECKS

ID	STA.	ROADWAY	ROCK DITCH CHECK (LF)
13	617+64	NOR LT	16
14	618+07	NOR LT	19
15	618+51	NOR LT	19
16	618+95	NOR LT	19
18	619+38	NOR LT	19
20	621+58	NOR RT	15
22	621+39	NOR LT	17
23	621+88	NOR LT	17
24	622+39	NOR LT	17
25	623+18	I-44 WB LT	22
26	624+29	I-44 WB LT	22
27	325+28	I-44 WB LT	22
28	623+05	NOR RT	20
29	624+52	NOR RT	14
30	626+27	I-44 WB LT	22
31	6+35	RAMP 3 RT	17

SHEET 92
INLET CHECKS

ID	STA.	ROADWAY	ROCK DITCH CHECK (LF)
19	619+62	NOR RT	50
21	622+20	I-44 WB LT	50
32	622+00	I-44 WB RT	50
33	623+58	I-44 WB RT	50

SHEET 93
DITCH CHECKS

ID	STA.	ROADWAY	ROCK DITCH CHECK (LF)
34	627+01	I-44 WB LT	22
35	627+51	I-44 WB RT	9
36	627+76	I-44 WB LT	22
39	629+25	I-44 WB LT	22
52	7+15	MARSHALL RD	19
53	7+72	MARSHALL RD	19
54	8+30	MARSHALL RD	19
59	0+34	RAMP 4 RT	18
60	0+86	RAMP 4 RT	17
61	1+45	RAMP 4 RT	17
65	632+00	I-44 WB LT	40
66	632+43	I-44 WB LT	19
67	632+86	I-44 WB LT	19
68	633+26	I-44 WB LT	19
69	633+73	I-44 WB LT	17
71	62+53	ROUTE CC LT	19
72	63+54	ROUTE CC LT	19
73	63+90	ROUTE CC LT	19

SHEET 93
INLET CHECKS

ID	STA.	ROADWAY	ROCK DITCH CHECK (LF)
37	628+58	I-44 WB LT	50
38	628+67	I-44 WB LT	50
40	629+47	I-44 WB RT	50
55	8+82	MARSHALL RD	50
56	63+00	ROUTE CC	50
62	1+84	RAMP 4	50
64	632+00	I-44 WB RT	50
70	634+05	NOR	50

SHEET 94
DITCH CHECKS

ID	STA.	ROADWAY	ROCK DITCH CHECK (LF)
77	636+92	I-44 WB LT	23
78	637+34	I-44 WB LT	24
79	637+79	I-44 WB LT	24
80	638+25	I-44 WB LT	24
81	638+75	I-44 WB LT	22
82	639+26	I-44 WB LT	22
83	639+82	I-44 WB LT	25
84	640+40	I-44 WB LT	22
85	7+18	RAMP 1 RT	29
86	6+79	RAMP 1 RT	29
87	6+41	RAMP 1 RT	23
88	5+94	RAMP 1 RT	19
89	5+47	RAMP 1 RT	16
90	4+82	RAMP 1 RT	20
91	3+82	RAMP 1 RT	18
92	3+05	RAMP 1 RT	19
93	2+29	RAMP 1 RT	17
94	638+43	NOR LT	19
95	639+22	NOR LT	19
97	6+00	RAMP 4 RT	17
98	6+75	RAMP 4 RT	17
99	7+50	RAMP 4 RT	17
100	8+25	RAMP 4 RT	17
102	643+24	I-44 WB RT	22

SHEET 94
INLET CHECKS

ID	STA.	ROADWAY	ROCK DITCH CHECK (LF)
96	5+18	RAMP 4 RT	50
101	642+49	I-44 WB RT	50

SHEET 95
DITCH CHECKS

ID	STA.	ROADWAY	ROCK DITCH CHECK (LF)
103	643+65	I-44 WB LT	17
104	644+38	I-44 WB LT	18
105	645+15	I-44 WB LT	19
106	645+93	I-44 WB LT	17
107	646+66	I-44 WB LT	17
108	647+42	I-44 WB LT	17
109	648+18	I-44 WB LT	17
110	648+93	I-44 WB LT	17
111	649+37	I-44 WB LT	17
112	649+83	I-44 WB LT	17
113	650+28	I-44 WB LT	17
114	650+73	I-44 WB LT	17
115	643+99	I-44 WB RT	22
116	644+75	I-44 WB RT	22
117	645+49	I-44 WB RT	22
118	646+24	I-44 WB RT	23
119	646+99	I-44 WB RT	23
120	647+74	I-44 WB RT	23
121	648+49	I-44 WB RT	23

SHEET 96
DITCH CHECKS

ID	STA.	ROADWAY	ROCK DITCH CHECK (LF)
122	2+34	MARSHALL RD RT	12
123	3+08	MARSHALL RD RT	19
124	3+80	MARSHALL RD RT	19
125	4+53	MARSHALL RD RT	18
126	5+97	MARSHALL RD RT	19
127	6+56	MARSHALL RD RT	19
128	2+34	MARSHALL RD LT	12
129	2+79	MARSHALL RD LT	19
130	3+25	MARSHALL RD LT	19

SHEET 97
DITCH CHECKS

ID	STA.	ROADWAY	ROCK DITCH CHECK (LF)
131	64+26	ROUTE CC LT	19
132	64+63	ROUTE CC LT	19
133	64+99	ROUTE CC LT	19
134	65+28	ROUTE CC LT	19
135	65+57	ROUTE CC LT	19
136	65+87	ROUTE CC LT	19
137	66+17	ROUTE CC LT	19
138	66+46	ROUTE CC LT	19
139	66+77	ROUTE CC LT	19
140	67+07	ROUTE CC LT	19
141	67+67	ROUTE CC LT	19
142	67+07	ROUTE CC LT	19
143	67+97	ROUTE CC LT	19
144	68+26	ROUTE CC LT	19
145	68+57	ROUTE CC LT	19
146	68+87	ROUTE CC LT	19
147	69+17	ROUTE CC LT	19
148	69+47	ROUTE CC LT	19
149	69+77	ROUTE CC LT	19
150	70+07	ROUTE CC LT	19
151	70+37	ROUTE CC LT	19
152	72+70	ROUTE CC LT	19
153	73+45	ROUTE CC LT	18
154	74+20	ROUTE CC LT	18
155	74+95	ROUTE CC LT	18
156	75+70	ROUTE CC LT	18
157	71+95	ROUTE CC RT	25
159	73+45	ROUTE CC RT	25
160	74+19	ROUTE CC RT	25
161	74+95	ROUTE CC RT	25
163	75+70	ROUTE CC RT	25

SHEET 97
INLET CHECKS

ID	STA.	ROADWAY	ROCK DITCH CHECK (LF)
158	72+87	ROUTE CC RT	50
162	75+59	ROUTE CC RT	50
164	76+37	ROUTE CC RT	50

SHEET 98
DITCH CHECKS

ID	STA.	ROADWAY	ROCK DITCH CHECK (LF)
165	11+48	MARSHALL N LT	9
166	12+69	MARSHALL N LT	9
167	13+88	MARSHALL N LT	9
168	78+50	ROUTE CC LT	19
169	79+00	ROUTE CC LT	17
170	79+50	ROUTE CC LT	17
171	80+00	ROUTE CC LT	18
172	80+50	ROUTE CC LT	19
173	81+00	ROUTE CC LT	19
174	81+49	ROUTE CC LT	19
175	82+50	ROUTE CC LT	19
176	82+50	ROUTE CC LT	19
177	83+00	ROUTE CC LT	19
178	83+50	ROUTE CC LT	19
179	84+00	ROUTE CC LT	19
180	84+50	ROUTE CC LT	19
181	85+00	ROUTE CC LT	19
182	85+76	ROUTE CC LT	19
183	86+50	ROUTE CC LT	19
184	87+25	ROUTE CC LT	19
185	88+00	ROUTE CC LT	19
186	88+75	ROUTE CC LT	19
187	85+75	ROUTE CC RT	25
188	86+50	ROUTE CC RT	25
189	87+25	ROUTE CC RT	25
190	88+00	ROUTE CC RT	25
191	88+75	ROUTE CC RT	22

SHEET 99
DITCH CHECKS

ID	STA.	ROADWAY	ROCK DITCH CHECK (LF)
192	89+50	ROUTE CC LT	19
193	90+25	ROUTE CC LT	19
194	91+00	ROUTE CC LT	17
195	91+75	ROUTE CC LT	17
196	92+50	ROUTE CC LT	17
197	93+25	ROUTE CC LT	19
198	94+00	ROUTE CC LT	19
199	94+75	ROUTE CC LT	19
200	95+50	ROUTE CC LT	19
201	96+25	ROUTE CC LT	19
202	97+00	ROUTE CC LT	19
203	97+75	ROUTE CC LT	19
204	89+50	ROUTE CC RT	25
205	90+25	ROUTE CC RT	25
206	91+00	ROUTE CC RT	25
209	92+50	ROUTE CC RT	25
210	93+25	ROUTE CC RT	25
211	94+00	ROUTE CC RT	25
212	94+75	ROUTE CC RT	25
213	95+50	ROUTE CC RT	25
214	96+25	ROUTE CC RT	25
215	97+00	ROUTE CC RT	25
216	97+75	ROUTE CC RT	25
217	98+50	ROUTE CC RT	25
218	99+25	ROUTE CC RT	25
219	100+00	ROUTE CC RT	25
220	100+75	ROUTE CC RT	25
221	101+50	ROUTE CC RT	25

SHEET 99
INLET CHECKS

ID	STA.	ROADWAY	ROCK DITCH CHECK (LF)
207	91+54	ROUTE CC RT	50
208	91+60	ROUTE CC RT	50

SHEET 100
DITCH CHECKS

ID	STA.	ROADWAY	ROCK DITCH CHECK (LF)
222	101+50	ROUTE CC LT	17
223	102+25	ROUTE CC LT	17
224	104+57	ROUTE CC LT	19
225	104+87	ROUTE CC LT	19
226	105+17	ROUTE CC LT	19
227	105+47	ROUTE CC LT	19
228	105+77	ROUTE CC LT	19
229	106+07	ROUTE CC LT	19
230	106+37	ROUTE CC LT	19
231	106+69	ROUTE CC LT	19
232	107+02	ROUTE CC LT	17
233	107+28	ROUTE CC LT	17
234	107+58	ROUTE CC LT	17
235	107+86	ROUTE CC LT	17
236	108+15	ROUTE CC LT	17
237	108+41	ROUTE CC LT	17
239	102+25	ROUTE CC RT	25
240	14+00	ELM ST LT	9
241	13+25	ELM ST LT	9
242	12+50	ELM ST LT	9
243	11+75	ELM ST LT	9
246	11+00	ELM ST LT	17
247	11+75	ELM ST LT	17
248	12+50	ELM ST LT	17
249	13+25	ELM ST LT	17
250	14+00	ELM ST LT	17
251	104+87	ROUTE CC RT	19
252	105+17	ROUTE CC RT	19
253	105+47	ROUTE CC RT	19
254	105+77	ROUTE CC RT	19
255	106+07	ROUTE CC RT	19
256	106+38	ROUTE CC RT	19
257	106+68	ROUTE CC RT	19
258	106+98	ROUTE CC RT	19
259	107+74	ROUTE CC RT	17
260	108+24	ROUTE CC RT	17
261	108+75	ROUTE CC RT	17

SHEET 100
INLET CHECKS

ID	STA.	ROADWAY	ROCK DITCH CHECK (LF)
238	101+54	ROUTE CC RT	50
244	10+97	ELM ST LT	50
245	104+12	ROUTE CC RT	50
262	109+67	ROUTE CC RT	50

SHEET 101
DITCH CHECKS

ID	STA.	ROADWAY	ROCK DITCH CHECK (LF)
263	114+95	ROUTE CC LT	19
264	115+25	ROUTE CC LT	19
265	115+57	ROUTE CC LT	19
266	115+89	ROUTE CC LT	19
267	116+21	ROUTE CC LT	19
268	116+52	ROUTE CC LT	19
269	116+83	ROUTE CC LT	19
270	117+14	ROUTE CC LT	19
271	117+46	ROUTE CC LT	19
272	117+77	ROUTE CC LT	19
273	118+09	ROUTE CC LT	19
274	118+41	ROUTE CC LT	19
275	118+72	ROUTE CC LT	19
276	120+68	ROUTE CC LT	19
277	121+23	ROUTE CC LT	19
278	121+78	ROUTE CC LT	19
279	122+34	ROUTE CC LT	19
280	122+88	ROUTE CC LT	19
281	123+44	ROUTE CC LT	19
282	123+99	ROUTE CC LT	19
283	124+53	ROUTE CC LT	19
284	125+08	ROUTE CC LT	19
285	114+95	ROUTE CC RT	19
286	115+27	ROUTE CC RT	19
287	115+59	ROUTE CC RT	19
288	115+90	ROUTE CC RT	19
289	116+23	ROUTE CC RT	19
290	116+53	ROUTE CC RT	19
291	116+85	ROUTE CC RT	19
292	117+15	ROUTE CC RT	19
293	117+47	ROUTE CC RT	19
294	117+78	ROUTE CC RT	19
295	118+10	ROUTE CC RT	19
296	118+41	ROUTE CC RT	19
297	118+72	ROUTE CC RT	19
298	120+68	ROUTE CC RT	19
299	121+23	ROUTE CC RT	19
300	121+78	ROUTE CC RT	19
301	122+34	ROUTE CC RT	19
302	122+88	ROUTE CC RT	19
303	123+44	ROUTE CC RT	19
304	123+99	ROUTE CC RT	19
305	124+53	ROUTE CC RT	19
306	125+08	ROUTE CC RT	19

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DATE	DESCRIPTION

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SHEET 33 OF 49