MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED STATE HIGHWAY ROUTE 115 ST. LOUIS CITY

DESIGN DESIGNATION

A.A.D.T. - 2020 = 20,328
A.A.D.T. - 2040 = 24,804
T = 3.2%
V = 35 M.P.H.
D = 50.2%

FUNCTIONAL CLASSIFICATION- PRINCIPAL ARTERIAL

NO ADDITIONAL R/W

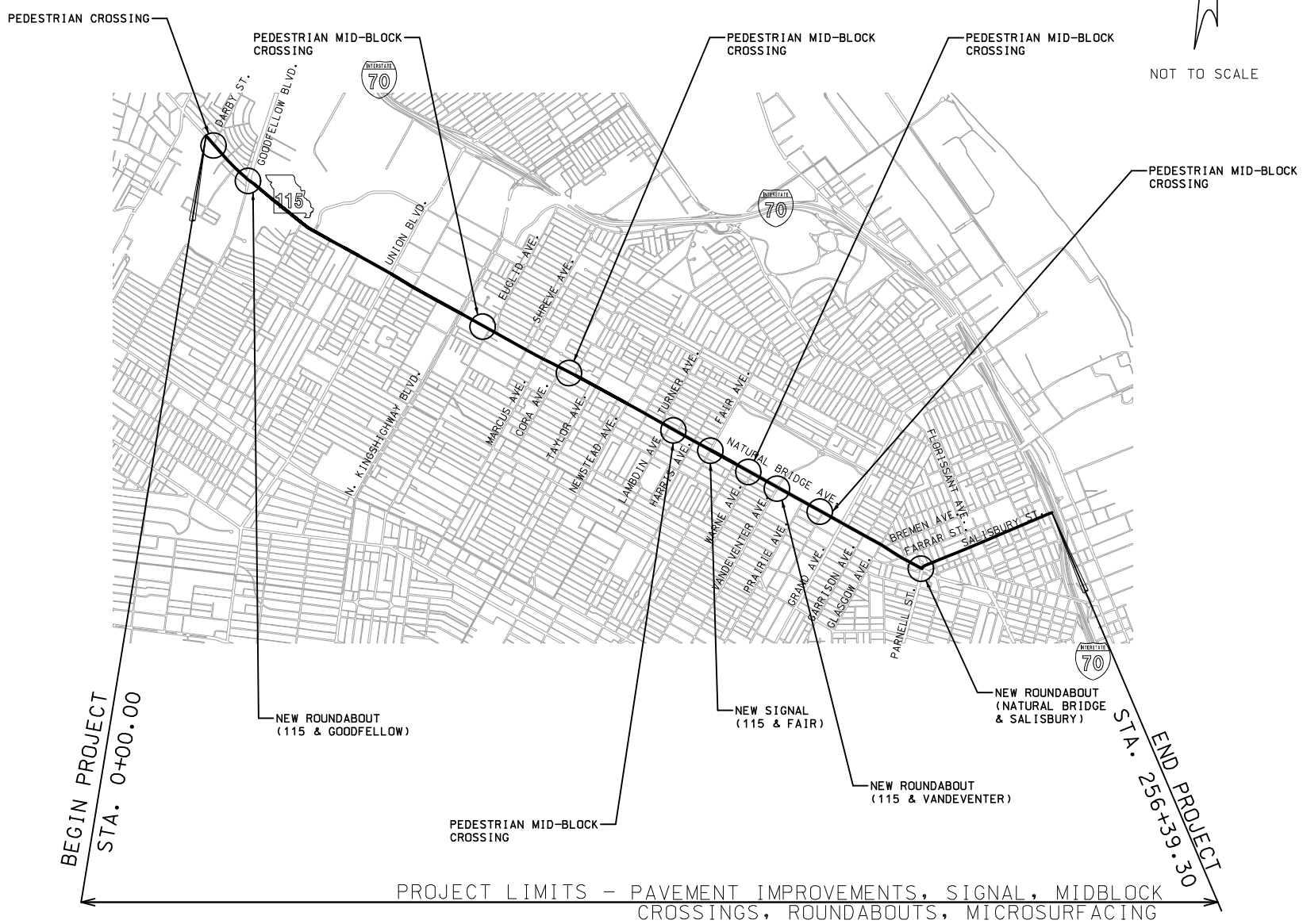
CONVENTIONAL SYMBOLS
(USED IN PLANS)

	EXISTING	NEW
BUILDINGS AND STRUCTURES		
GUARD RAIL		
GUARD CABLE		
CONCRETE RIGHT-OF-WAY MARKER		
STEEL RIGHT-OF-WAY MARKER		
LOCATION SURVEY MARKER		
UTILITIES		
FIBER OPTICS	-FO-	~~FO~~
OVERHEAD CABLE TV	-OTV-	~~OTV~~
UNDERGROUND CABLE TV	-UTV-	~~UTV~~
OVERHEAD TELEPHONE	-OT-	~~OT~~
UNDERGROUND TELEPHONE	-UT-	~~UT~~
OVERHEAD POWER	-OE-	~~OE~~
UNDERGROUND POWER	-UE-	~~UE~~
SANITARY SEWER	-S-	~~S~~
STORM SEWER	-SS-	~~SS~~
GAS	-G-	~~G~~
WATER	-W-	~~W~~
MANHOLE	SAN	
FIRE HYDRANT	HYD	
WATER VALVE	WV	
WATER METER	WM	
DROP INLET	DI	
DITCH BLOCK		
GROUND MOUNTED SIGN	SIGN	
LIGHT POLE		
H-FRAME POWER POLE		
TELEPHONE PEDESTAL	PED	
FENCE		
CHAIN LINK	V	
WOVEN WIRE	X	
GATE POST		
BENCHMARK	BM	
DO NOT DISTURB	DND	
USE IN PLACE	UIP	
REMOVE	R	

LEGEND

- PROPOSED MICROSURFACING
- PROPOSED SIDEWALK RECONSTRUCTION
- PROPOSED DOWELED RAISED MEDIAN (MICROSURFACE BENEATH)
- PROPOSED RAISED MEDIAN
- PROPOSED TRUCK APRON
- PROPOSED TRUNCATED DOMES

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES



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LENGTH OF PROJECT

BEGINNING OF PROJECT	STA.	000 + 00.00	
END OF PROJECT	STA.	256 + 39.30	
APPARENT LENGTH		25639.30	FEET
TOTAL CORRECTIONS		00.00	FEET
NET LENGTH OF PROJECT		25639.30	FEET
STATE LENGTH		4.86	MILES
ESTIMATED DISTURBED AREA		2.30	ACRES

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

DATE PREPARED	
3/12/2020	
ROUTE 115	STATE MO
DISTRICT SL	SHEET NO. 1
COUNTY ST LOUIS CITY	
JOB NO. J6S3258	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

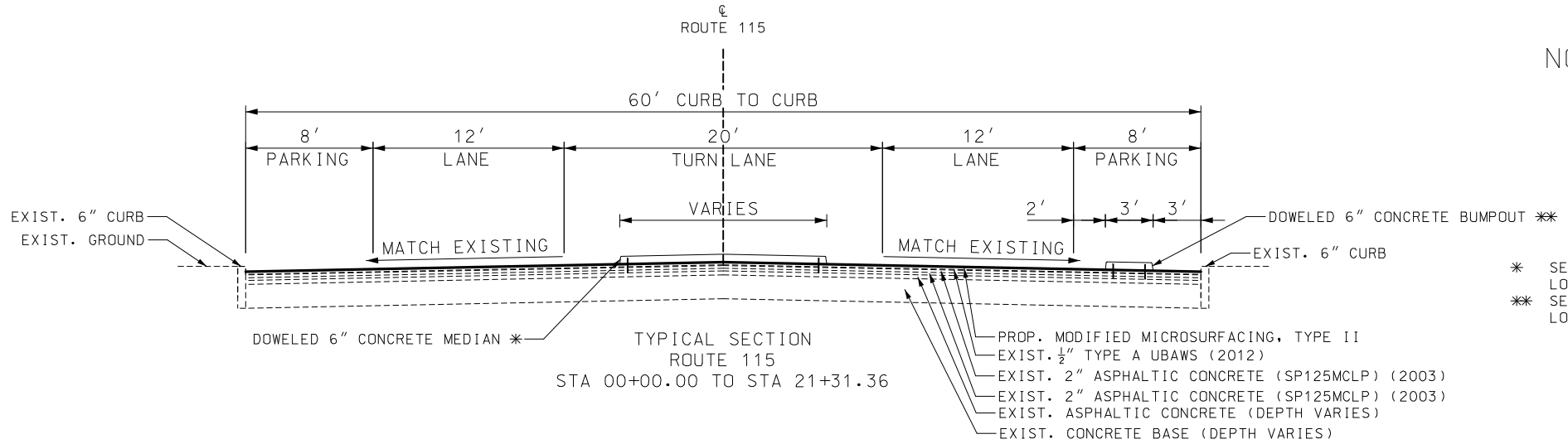
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

ACCESS ENGINEERING LLC
11820 TESSON FERRY ROAD
SUITE 203
ST. LOUIS, MO 63128
(314) 849-8445
#2000172588
CIVIL ENGINEERING
ENGINEERING CERTIFICATE OF AUTHORITY

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

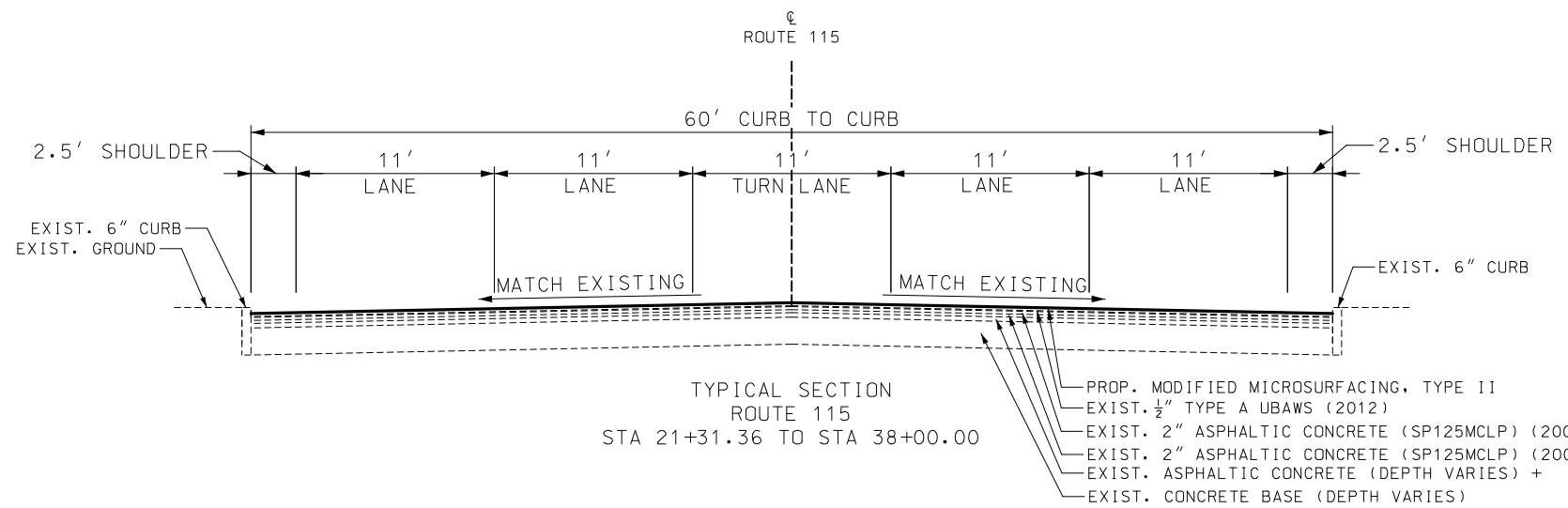
ROUTE 115
TITLE SHEET

NOT TO SCALE



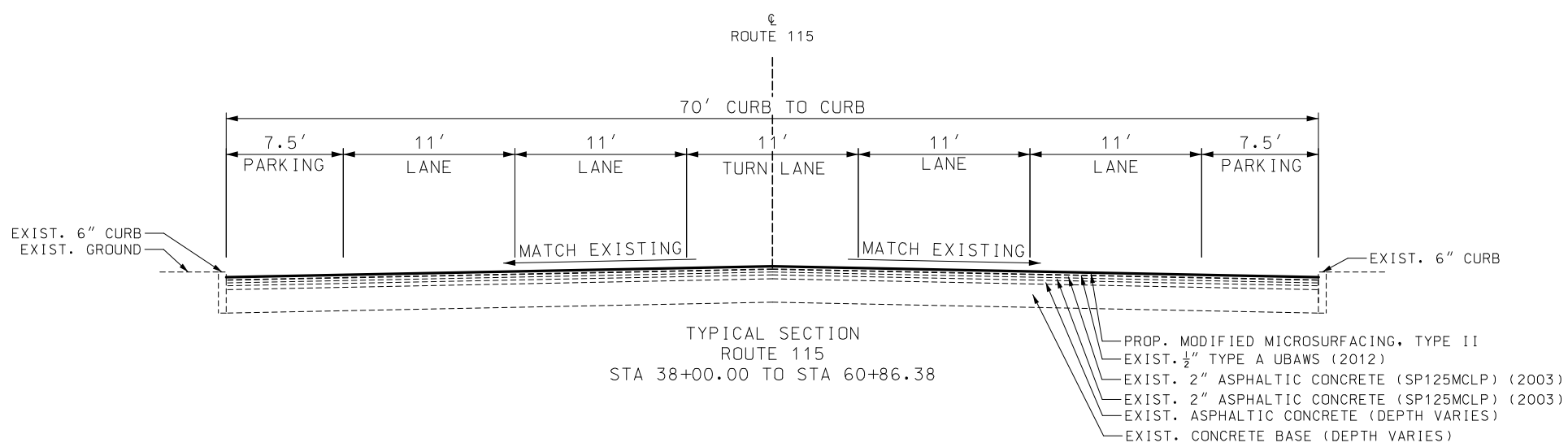
TYPICAL SECTION
ROUTE 115
STA 00+00.00 TO STA 21+31.36

✱ SEE PLAN SHEETS FOR MEDIAN LOCATIONS
✱✱ SEE PLAN SHEETS FOR BUMPOUT LOCATIONS



TYPICAL SECTION
ROUTE 115
STA 21+31.36 TO STA 38+00.00

+ STA 23+74.39 TO STA 34+33.70



TYPICAL SECTION
ROUTE 115
STA 38+00.00 TO STA 60+86.38

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NOTES:
SEE PLAN SHEETS FOR PAY LIMITS OF MODIFIED MICROSURFACING, TYPE II

TYPICAL SECTION SHEET
SHEET 1 OF 4

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

DATE PREPARED	
3/12/2020	
ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	2
COUNTY	
ST LOUIS CITY	
JOB NO.	
J6S3258	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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JEFFERSON CITY, MO 65102
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TYPICAL SECTIONS
ROUTE 115
SHEET 1 OF 4

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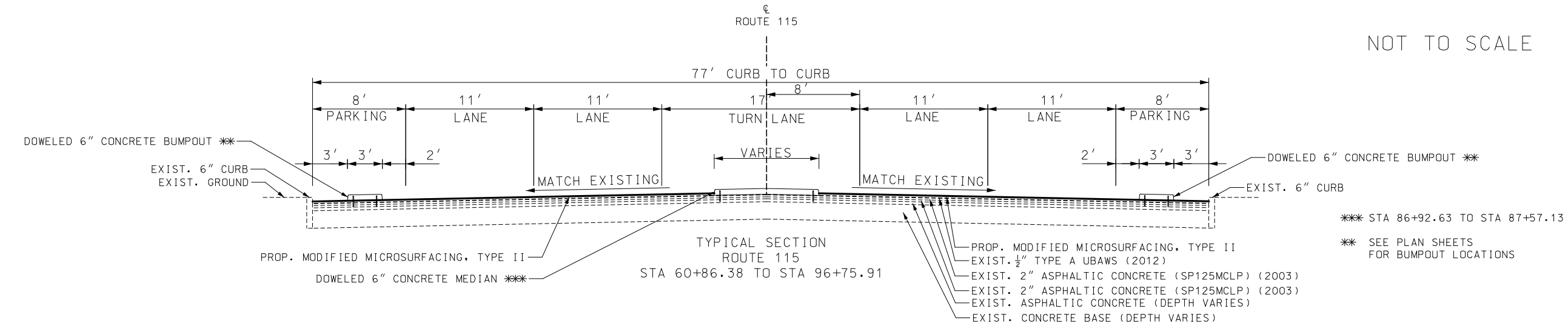
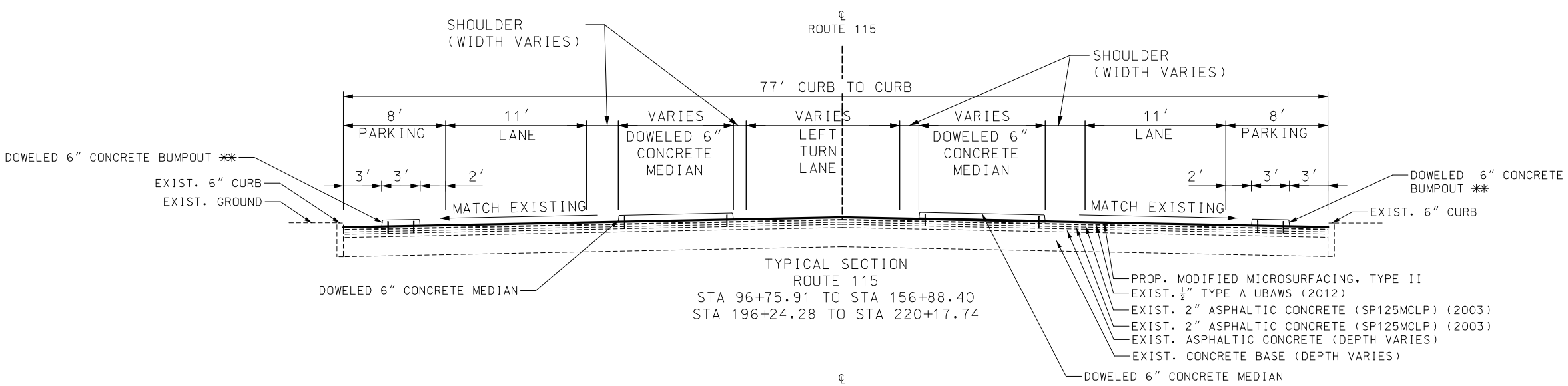
NOT TO SCALE



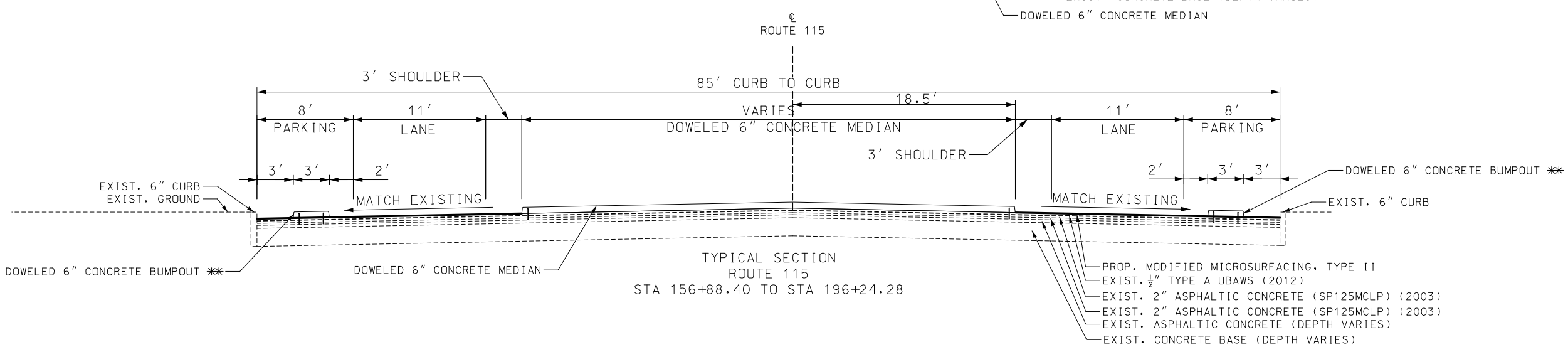
TYPICAL SECTION
ROUTE 115
STA 60+86.38 TO STA 96+75.91

✱✱✱ STA 86+92.63 TO STA 87+57.13

✱✱ SEE PLAN SHEETS FOR BUMPOUT LOCATIONS



TYPICAL SECTION
ROUTE 115
STA 96+75.91 TO STA 156+88.40
STA 196+24.28 TO STA 220+17.74



TYPICAL SECTION
ROUTE 115
STA 156+88.40 TO STA 196+24.28

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TYPICAL SECTION SHEET
SHEET 2 OF 4

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DATE PREPARED	
3/12/2020	
ROUTE 115	STATE MO
DISTRICT SL	SHEET NO. 2
COUNTY ST LOUIS CITY	
JOB NO. J6S3258	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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TYPICAL SECTIONS
ROUTE 115
SHEET 2 OF 4

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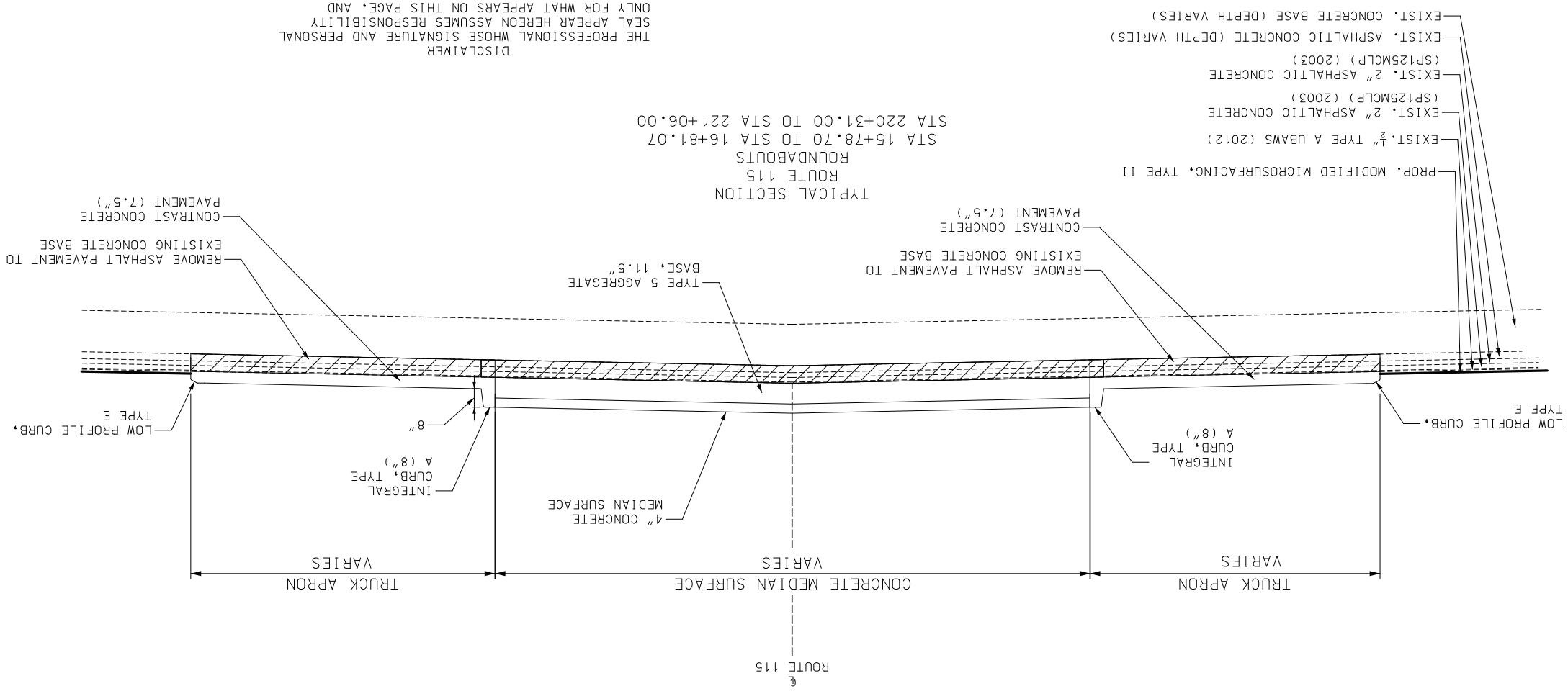
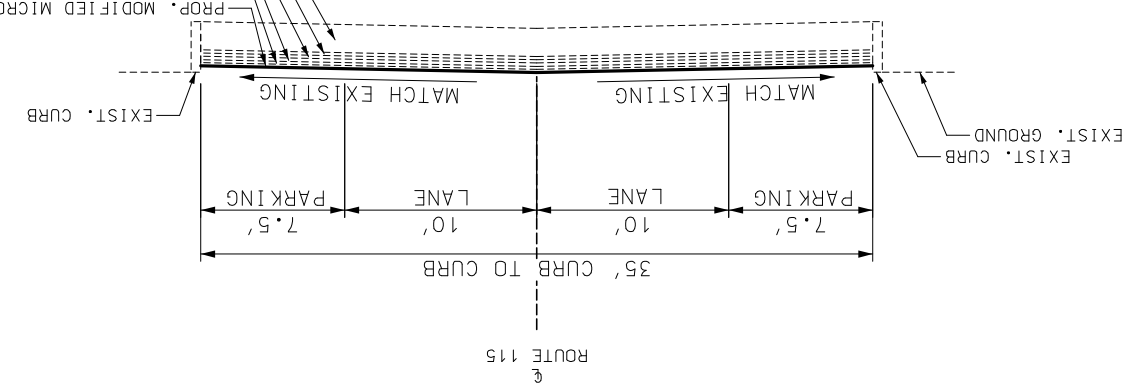


TYPICAL SECTION
ROUTE 115
ROUNDABOUTS
STA 15+78.70 TO STA 16+81.07
STA 220+31.00 TO STA 221+06.00

NOTES:
SEE PLAN SHEETS FOR PAY LIMITS OF MODIFIED MICROSURFACING, TYPE II



TYPICAL SECTION
ROUTE 115
STA 220+17.74 TO STA 256+39.30

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TYPICAL SECTION SHEET
SHEET 3 OF 4

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3/12/2020	
ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	2
COUNTY	
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J6S3258	
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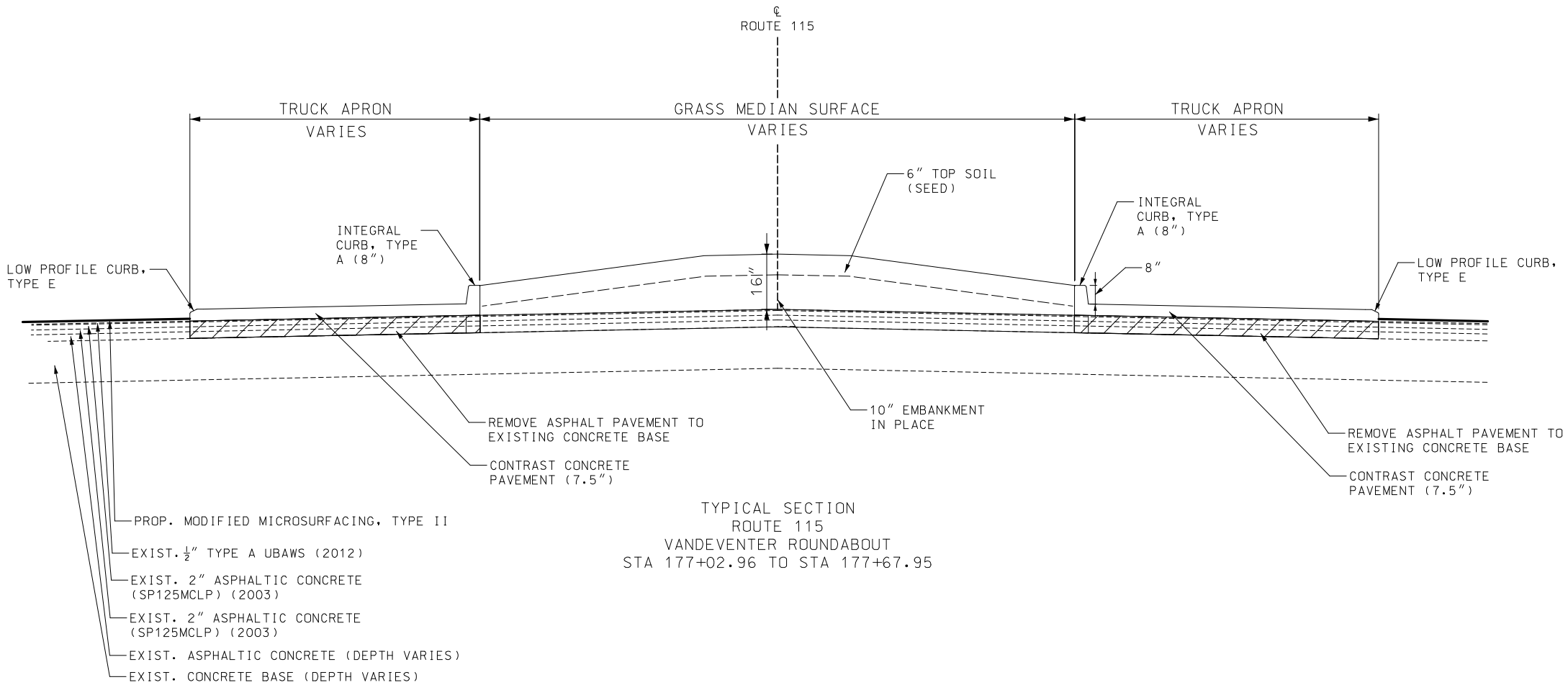
BRIDGE NO.	

TYPICAL SECTIONS
ROUTE 115
SHEET 3 OF 4

NOT TO SCALE



TYPICAL SECTION
ROUTE 115
VANDEVENTER ROUNDABOUT
STA 177+02.96 TO STA 177+67.95

NOTES:
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TYPICAL SECTION SHEET
SHEET 4 OF 4

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3/12/2020	
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115	MO
DISTRICT	SHEET NO.
SL	2
COUNTY	
ST LOUIS CITY	
JOB NO.	
J6S3258	
CONTRACT ID.	
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BRIDGE NO.	

DATE	DESCRIPTION

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TYPICAL SECTIONS
ROUTE 115
SHEET 4 OF 4

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REMOVAL OF IMPROVEMENTS

PLAN SHEET NO X OF 14	STA TO STA		LOCATION		DESCRIPTION	QUANTITY	REMARKS
1	2+94		RTE 115	LT	SIDEWALK NW CORNER *	19 SY	
1	2+94		RTE 115	RT	PAVEMENT SW CORNER *	3 SY	
1	3+51		RTE 115	LT	SIDEWALK NE CORNER *	15 SY	
2	12+50	18+00	RTE 115		SIGNAL POLE	10 EA	EXIST. SIGNAL POLES
2	12+50	18+00	RTE 115		PULLBOXES	2 EA	EXIST. PULLBOXES
2	15+20	16+25	RTE 115	RT	SIDEWALK SW CORNER *	134 SY	
2	15+29	15+75	RTE 115	LT	CONCRETE ISLAND	111 SY	
2	15+78	16+81	RTE 115		FULL DEPTH PAVEMENT REMOVAL	926 SY	ROUNDABOUT
2	16+42	16+92	RTE 115	LT	CONCRETE ISLAND	108 SY	
2	16+46	17+41	RTE 115	LT	SIDEWALK NE CORNER *	130 SY	
2	17+03	17+36	RTE 115	RT	SIDEWALK SE CORNER *	98 SY	
5	87+22		RTE 115	RT	S SIDEWALK *	22 SY	
5	87+27		RTE 115	LT	N SIDEWALK *	22 SY	
5	90+75	94+00	RTE 115		SIGNAL POLE	8 EA	EXIST. SIGNAL POLES
6	114+38		RTE 115	RT	S SIDEWALK *	22 SY	
6	114+80		RTE 115	LT	N SIDEWALK *	22 SY	
7	146+13		RTE 115	RT	S SIDEWALK *	22 SY	
7	146+26		RTE 115	LT	N SIDEWALK *	22 SY	
8	155+00	160+00	RTE 115		SIGNAL POLES, MAST ARM AND SIGNALS	4 EA	EXIST. SIGNAL POLES
8	155+00	160+00	RTE 115		PULLBOXES	4 EA	EXIST. PULLBOXES
8	164+10		RTE 115	RT	S SIDEWALK *	18 SY	
8	164+10		RTE 115	LT	N SIDEWALK *	10 SY	
9	175+00	180+00	RTE 115		SIGNAL POLE	4 EA	EXIST. SIGNAL POLES
9	176+32	177+14	RTE 115	RT	SIDEWALK SW CORNER *	146 SY	
9	176+43	177+13	RTE 115	LT	SIDEWALK NW CORNER *	75 SY	
9	177+03	177+68	RTE 115		FULL DEPTH PAVEMENT REMOVAL	369 SY	
9	177+58	178+26	RTE 115	RT	SIDEWALK SE CORNER *	118 SY	
9	177+60	178+27	RTE 115	LT	SIDEWALK NE CORNER *	86 SY	
10	190+73		RTE 115	LT	N SIDEWALK *	11 SY	
10	190+36		RTE 115	RT	S SIDEWALK *	18 SY	
12	218+50	221+75	RTE 115		SIGNAL POLE	5 EA	EXIST. SIGNAL POLES
12	220+48	221+32	RTE 115		FULL DEPTH PAVEMENT REMOVAL	637 SY	
12	221+56	222+14	RTE 115	RT	CONCRETE ISLAND	181 SY	PALM ST
					TOTAL = 1 LUMP SUM		

* INCLUDED IN THE PAY ITEM ADA CURB RAMP

MOBILIZATION

TOTAL = 1 LUMP SUM

CONTRACTOR FURNISHED SURVEYING AND STAKING

TOTAL = 1 LUMP SUM

TUBULAR MARKER AND CURB REFLECTORS

SPECIAL SHEET NO X OF 30	STA TO STA		LOCATION	ISLAND TUBULAR MARKER YELLOW EA	ISLAND TUBULAR MARKER WHITE EA	CURB REFLECTOR YELLOW EA	CURB REFLECTOR WHITE EA
19	0+00	12+50	ROUTE 115	16	3	12	3
20	12+50	18+00	ROUTE 115	38	32	89	78
21	18+00	45+00	ROUTE 115	3	4	3	3
23	85+00	98+50	ROUTE 115	10	10	6	16
24	98+50	125+50	ROUTE 115	100	52	159	59
25	125+50	152+50	ROUTE 115	48	44	39	56
26	152+50	175+00	ROUTE 115	58	75	55	84
27	175+00	180+00	ROUTE 115	38	16	113	36
28	180+00	207+00	ROUTE 115	90	85	110	97
29	207+00	218+50	ROUTE 115	41	40	60	52
30	218+50	221+75	ROUTE 115	45	22	115	57
SUBTOTALS				487	383	761	541
TOTALS				**870**		**1302**	

UTILITY ADJUSTMENT ITEMS

PLAN SHEET NO X OF 14	STA TO STA		LOCATION	WATER VALVE ADJUST EA	SANITARY MANHOLE ADJUST EA	COMMENTS
2	12+50	18+00	RTE 115	6		EXIST. PAVEMENT AND SIDEWALK
6	98+50	125+50	RTE 115	2		EXIST. PAVEMENT
7	125+50	152+50	RTE 115	4	2	EXIST. PAVEMENT
8	152+50	175+00	RTE 115	7		EXIST. PAVEMENT
9	175+00	180+00	RTE 115	6	1	EXIST. PAVEMENT AND SIDEWALK
10	180+00	207+00	RTE 115	9	1	EXIST. PAVEMENT
12	218+50	221+75	RTE 115	1	1	EXIST. PAVEMENT
TOTAL				**35**	**5**	

ADJUST PULLBOXES

SHEET NO	STATION	OFFSET (FEET)	LOCATION		PULLBOX EA	COMMENTS
67	15+79	52	RTE 115 (NEAR GOODFELLOW)	RT	1	
67	15+96	64	RTE 115 (NEAR GOODFELLOW)	RT	1	
67	16+22	80	RTE 115 (NEAR GOODFELLOW)	RT	1	
67	17+19	36	RTE 115 (NEAR GOODFELLOW)	RT	1	
67	17+30	46	RTE 115 (NEAR GOODFELLOW)	RT	1	
68	176+97	50	RTE 115 (NEAR VANDEVENTER)	LT	1	
68	177+12	57	RTE 115 (NEAR VANDEVENTER)	RT	1	
68	177+76	62	RTE 115 (NEAR VANDEVENTER)	LT	1	
69	220+18	57	RTE 115 (NEAR PARNELL)	RT	1	
69	220+18	85	RTE 115 (NEAR PARNELL)	RT	1	
69	220+53	31	RTE 115 (NEAR PARNELL)	LT	1	
69	221+34	67	RTE 115 (NEAR PARNELL)	RT	1	
TOTAL					**12**	

RRFB AND FLASHING LED STOP SIGN

SIGNING SHEET NO X OF 24	STATION	LOCATION		RRFB (EA)	FLASHING LED STOP SIGN (EA)
1	2+84	RTE 115	RT		2
1	3+59	RTE 115	LT		2
5	87+24	RTE 115		2	
6	114+53	RTE 115		2	
7	146+18	RTE 115		2	
8	164+10	RTE 115		1	
8	169+27	RTE 115		2	
10	190+52	RTE 115		2	
TOTAL				**11**	**4**

*RRFB - RECTANGULAR RAPID FLASHING BEACON

REMOVE AND RESET CITY LIGHT

PLAN SHEET NO X OF 14	ROADWAY	CROSS STREET	LOCATION	REMOVE AND RESET ST. LOUIS CITY LIGHT (EA)
1	RTE 115	DARBY	NE	1
2	RTE 115	GOODFELLOW	SE	1
8	RTE 115	W OF FAIR	S	1
9	RTE 115	VANDEVENTER	NE	1
12	RTE 115	PARNELL	SE	1
			SUBTOTAL	5
			PAY TOTAL	5

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SUMMARY OF QUANTITIES
SHEET 1 OF 7

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DATE PREPARED 3/12/2020
ROUTE 115 | STATE MO
DISTRICT SL | SHEET NO. 3
COUNTY ST LOUIS CITY
JOB NO. J6S3258
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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SUMMARY OF QUANTITIES
ROUTE 115

PAVEMENT (1 OF 2)

PLAN SHEET NO X OF 14	STA TO STA		LOCATION		CONCRETE MEDIAN 4 IN	CONCRETE MEDIAN STRIP 6 IN	CONCRETE MEDIAN STRIP 8 IN	CONTRAST CONCRETE PAVEMENT 7.5 IN	TYPE 5 AGGREGATE BASE 11.5 IN	INTEGRAL CURB, TYPE A 8 IN	COLDMILLING BITUMINOUS PAVEMENT (GREATER THAN 3 IN. THICK)	MODIFIED MICROSURFACING TYPE II
					SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	LF	SQ YD	SQ YD
1-3	0+00	37+85	RTE 115									28294
1	2+68	2+89	RTE 115			28.3						
1	2+99	3+09	RTE 115			6.0						
1	2+99	3+19	RTE 115	RT		6.6						
1	3+33	3+46	RTE 115			10.7						
1	3+56	3+80	RTE 115			34.3						
2	13+78	15+63	RTE 115			231.6						
2	15+20	15+60	RTE 115	RT		18.3						
2	15+79	16+76	RTE 115					293.5			839	
2	15+90	16+65	RTE 115		530.9				531	248		
2	0+77	1+67	GOODFELLOW N			79.8						
2	0+65	1+72	GOODFELLOW N	LT		192.0						
2	0+61	1+25	GOODFELLOW S			63.0						
2	0+48	2+00	GOODFELLOW S	LT		260.9						
2	16+22	17+44	RTE 115	LT		103.6						
2,3	16+94	18+24	RTE 115			72.6						
3	19+15	20+14	RTE 115	LT		33.2						
3,4	37+85	60+74	RTE 115									17933
4-8	60+74	156+83	RTE 115									80404
5	86+93	87+22	RTE 115			38.6						
5	87+02	87+17	RTE 115	RT		4.9						
5	87+02	87+22	RTE 115	LT		6.5						
5	87+27	87+47	RTE 115	RT		6.7						
5	87+27	87+57	RTE 115			38.8						
5	87+32	87+47	RTE 115	LT		4.9						
6	100+24	101+65	RTE 115	LT		166.7						
6	101+00	101+75	RTE 115	RT		81.2						
6	101+45	101+75	RTE 115	RT		9.9						
6	102+53	102+83	RTE 115	LT		9.9						
6	102+53	103+27	RTE 115	LT		80.2						
6	102+64	106+55	RTE 115			506.3						
6	105+91	106+68	RTE 115	RT		83.3						
6	106+38	106+68	RTE 115	RT		9.9						
6	107+39	107+59	RTE 115	LT		6.6						
6	107+39	108+16	RTE 115	LT		83.6						
6	107+53	112+10	RTE 115			1164.8						
6	113+92	115+22	RTE 115			326.2						
6	114+23	114+33	RTE 115	RT		3.2						
6	114+43	114+63	RTE 115	RT		6.6						
6	114+65	114+75	RTE 115	LT		3.2						
6	114+85	114+95	RTE 115	LT		3.2						
6	116+78	119+26	RTE 115			838.7						
6	120+22	122+50	RTE 115			787.4						
6	122+19	122+49	RTE 115	RT		9.9						
6	123+15	123+45	RTE 115	LT		9.9						
6	123+15	123+93	RTE 115	LT		85.3						
6,7	123+31	126+01	RTE 115			480.8						
7	126+90	131+79	RTE 115			1290.8						
7	131+17	131+94	RTE 115	RT		83.3						
7	131+64	131+94	RTE 115	RT		9.9						
7	132+80	133+10	RTE 115	LT		9.9						
7	132+80	133+54	RTE 115	LT		79.0						
7	132+87	135+57	RTE 115			472.7						
7	138+89	139+89	RTE 115	RT		111.1						
7	139+49	139+89	RTE 115	LT		44.3						
7	142+73	143+13	RTE 115	RT		44.3						
7	142+73	143+13	RTE 115	LT		44.3						
7	145+76	146+60	RTE 115			119.2						
7	145+88	146+08	RTE 115	RT		22.1						
7	145+88	146+17	RTE 115	LT		32.1						
7	146+18	146+47	RTE 115	RT		32.1						
7	146+27	146+47	RTE 115	LT		22.1						
7	147+65	147+85	RTE 115	RT		22.1						
7	147+65	147+85	RTE 115	LT		22.1						
7	149+58	150+33	RTE 115	LT		83.3						
8	153+88	156+63	RTE 115			485.8						
8	156+03	156+86	RTE 115	RT		93.7						
8	156+56	156+86	RTE 115	RT		9.9						
8-10	156+83	196+27	RTE 115			0.0						27650
8	157+63	157+93	RTE 115	LT		9.9						
8	157+65	158+43	RTE 115	LT		70.2						
8	157+77	159+32	RTE 115			284.9						
8	158+64	158+84	RTE 115	RT		6.6						
8	158+64	158+84	RTE 115	LT		6.6						
8	159+32	164+03	RTE 115				334.9					
8	161+24	161+44	RTE 115	RT		6.6						
8	161+24	164+44	RTE 115	LT		6.6						
8	163+83	164+03	RTE 115	RT		6.6						
8	163+83	164+03	RTE 115	LT		6.6						
8	164+85	165+15	RTE 115	RT		9.9						
8	164+85	166+22	RTE 115			286.2						
8	164+85	165+55	RTE 115	LT		72.9						
SUBTOTALS #1					530.9	9905.8	334.9	293.5	531.0	248.0	839.0	154281.0

PAVEMENT (2 OF 2)

PLAN SHEET NO X OF 14	STA TO STA		LOCATION		CONCRETE MEDIAN 4 IN	CONCRETE MEDIAN STRIP 6 IN	CONCRETE MEDIAN STRIP 8 IN	CONTRAST CONCRETE PAVEMENT 7.5 IN	TYPE 5 AGGREGATE BASE 11.5 IN	INTEGRAL CURB, TYPE A 8 IN	COLDMILLING BITUMINOUS PAVEMENT (GREATER THAN 3 IN. THICK)	MODIFIED MICROSURFACING TYPE II
					SQ YD	SQ YD	SQ YD	SQ YD	CU YD	LF	SQ YD	SQ YD
8	164+85	165+15	RTE 115	LT		9.9						
8	166+22	169+21	RTE 115				209.9					
8	166+95	167+15	RTE 115	RT		6.6						
8	166+95	167+15	RTE 115	LT		6.6						
8	168+89	169+09	RTE 115	RT		6.6						
8	169+05	169+45	RTE 115	LT								
8	169+19	169+39	RTE 115	RT		6.6						
8,9	169+19	175+50	RTE 115				435.7					
8	169+25	169+45	RTE 115	LT		6.6						
8	169+55	169+75	RTE 115	LT		6.6						
8	171+51	171+71	RTE 115	RT		6.6						
8	171+51	171+71	RTE 115	LT		6.6						
9	175+50	176+81	RTE 115			287.1						
9	175+92	176+96	RTE 115	LT		117.8						
9	176+35	176+87	RTE 115	RT		30.0						
9	177+03	177+68	RTE 115					261.8			192	
9	177+13	177+58	RTE 115							141		
9	0+56	1+17	VANDEVENTER N			39.8						
9	0+55	1+11	VANDEVENTER S			46.1						
9	177+77	178+65	RTE 115	LT		71.0						
9	177+81	178+69	RTE 115	RT		71.1						
9	177+89	179+19	RTE 115									
9,10	179+19	181+60	RTE 115			0.0	383.4					
10	181+37	181+57	RTE 115	RT		6.6						
10	181+37	181+57	RTE 115	LT		6.6						
10	184+39	184+69	RTE 115	RT		9.9						
10	184+39	184+69	RTE 115	LT		9.9						
10	185+34	185+64	RTE 115	RT		9.9						
10	185+34	187+02	RTE 115			314.3						
10	185+34	186+05	RTE 115	LT		86.2						
10	185+38	185+68	RTE 115	LT		9.9						
10	186+85	190+68	RTE 115				264.7					
10	188+06	188+26	RTE 115	RT		6.6						
10	188+06	188+26	RTE 115	LT		6.6						
10	190+12	190+32	RTE 115	RT		6.6						
10	190+42	190+62	RTE 115	RT		6.6						
10	190+42	190+87	RTE 115									
10	190+48	190+68	RTE 115	LT		6.6						
10	190+69	194+63	RTE 115				270.0					
10	190+78	190+98	RTE 115	LT		6.6						
10	193+06	193+26	RTE 115	RT		6.6						
10	193+06	193+26	RTE 115	LT		6.6						
10	194+42	196+24	RTE 115									
10	195+55	196+24	RTE 115	RT		84.7						
10	195+94	196+24	RTE 115	RT		9.9						
10	195+94	196+24	RTE 115	LT		9.9						
10-12	196+27	225+36	RTE 115			0.0						28670
10	197+29	197+49	RTE 115	LT		6.6						
10	197+34	198+10	RTE 115	LT		82.3						
10	197+49	200+17	RTE 115			472.8						
10	200+92	203+68	RTE 115			475.8						
10	203+00	203+83	RTE 115	RT		91.5						
10	203+53	203+83	RTE 115	RT		9.9						
10	204+46	204+76	RTE 115	LT		9.9						
10,11	204+46	207+86	RTE 115			801.9						
11	207+29	208+08	RTE 115	RT		84.6						
11	207+78	208+08	RTE 115	RT		9.9						
11	208+74	209+54	RTE 115	LT		88.2						
11	208+76	209+02	RTE 115	LT		9.9						
11	208+95	213+80	RTE 115			939.2						
11	213+27	214+03	RTE 115	RT		79.6						
11	213+50	213+80	RTE 115	RT		9.9						
11	215+42	215+72	RTE 115	LT		9.9						
11	215+42	216+13	RTE 115	LT		75.3						
11,12	215+50	220+33	RTE 115			1000.9						
12	219+29	220+15	RTE 115	LT		69.0						
12	219+52	220+35	RTE 115	RT		59.7						
12	220+48	221+32	RTE 115					323.1			638	
12	220+61	221+20	RTE 115		303.8				304	188		
12	221+11	221+62	RTE 115			53.7						
12	0+52	1+39	PARNELL S	LT		246.7						
12	0+59	1+80	PARNELL S			161.2						
12	21+51	223+84	PALM ST			400.1						
12	221+51	222+17	PALM ST	LT		33.7						
12-14	220+70	256+39	RTE 115									14282
SUBTOTALS #1					530.9	9905.8	334.9	293.5	531.0	248.0	839.0	154281.0
SUBTOTALS #2					303.8	6618.4	1563.7	584.9	304.0	329.0	830.0	42952.0
5 PERCENT												9862.0
TOTALS					**834.7**	**16524.2**	**1898.6**	**878.4**	**835.0**	**577.0**	**1669.0**	**207095.0**

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SUMMARY OF QUANTITIES
SHEET 2 OF 7

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

DATE PREPARED: 3/12/2020
ROUTE: 115 | STATE: MO
DISTRICT: SL | SHEET NO.: 3
COUNTY: ST LOUIS CITY
JOB NO.: J6S3258
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE

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

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

ACCESS ENGINEERING LLC
11820 TESSON FERRY ROAD
SUITE 203
ST. LOUIS, MO 63128
(314) 849-8445
#2000172588
CIVIL ENGINEERING
ENGINEERING CERTIFICATE OF AUTHORITY

SUMMARY OF QUANTITIES
ROUTE 115

CURB RAMPS AND TRUNCATED DOMES

PLAN SHEET NO X OF 14	STATION		LOCATION		ADA CURB RAMP	TRUNCATED DOMES
					EA	SQ FT
1	2+94		RTE 115	RT	1.0	
1	2+94		RTE 115	CL		20
1	2+94		RTE 115	CL		20
1	2+94		RTE 115	LT	1.0	
1	3+51		RTE 115	RT	1.0	
1	3+51		RTE 115	CL		20
1	3+51		RTE 115	CL		20
1	3+51		RTE 115	LT	1.0	
2	15+20	16+25	RTE 115	RT	2.0	
2	15+35		RTE 115	RT		20
2	15+35		RTE 115	CL		20
2	15+43		RTE 115	CL		20
2	15+43		RTE 115	LT		20
2	15+43		RTE 115	LT		22
2	15+80		RTE 115	LT		21
2	16+01		RTE 115	LT		21
2	16+13		RTE 115	LT		21
2	16+30		RTE 115	LT		21
2	16+38		RTE 115	LT		21
2	16+43		RTE 115	RT		20
2	16+46	17+41	RTE 115	LT	2.0	
2	16+62		RTE 115	RT		20
2	16+87		RTE 115	RT		20
2	17+03	17+36	RTE 115	RT	1.0	
2	17+25		RTE 115	CL		20
2	17+25		RTE 115	CL		21
2	17+26		RTE 115	LT		21
2	17+26		RTE 115	LT		21
5	87+22		RTE 115	RT	1.0	
5	87+22		RTE 115	RT		20
5	87+22		RTE 115	CL		20
5	87+27		RTE 115	CL		20
5	87+27		RTE 115	LT		20
5	87+27		RTE 115	LT	1.0	
6	114+38		RTE 115	RT	1.0	
6	114+38		RTE 115	RT		20
6	114+38		RTE 115	CL		20
6	114+80		RTE 115	CL		20
6	114+80		RTE 115	LT		20
6	114+80		RTE 115	LT	1.0	
7	146+13		RTE 115	RT	1.0	
7	146+13		RTE 115	RT		20
7	146+13		RTE 115	CL		20
7	146+22		RTE 115	CL		20
7	146+26		RTE 115	LT		20
7	146+26		RTE 115	LT	1.0	
8	164+10		RTE 115	RT	1.0	
8	164+10		RTE 115	LT	1.0	
8	169+14		RTE 115	RT	1.0	
8	169+14		RTE 115	RT		20
8	169+14		RTE 115	CL		20
8	169+50		RTE 115	CL		20
8	169+50		RTE 115	LT		20
8	169+50		RTE 115	LT	1.0	
9	176+32	177+14	RTE 115	RT	2.0	
9	176+55		RTE 115	RT		20
9	176+55		RTE 115	CL		20
9	176+55		RTE 115	CL		20
9	176+55		RTE 115	LT		20
9	176+43	177+13	RTE 115	LT	2.0	
9	177+31		RTE 115	LT		20
9	177+32		RTE 115	RT		20
9	177+36		RTE 115	LT		20
9	177+40		RTE 115	RT		20
9	177+58	178+26	RTE 115	LT	2.0	
9	177+60	178+27	RTE 115	RT	2.0	
9	178+16		RTE 115	RT		20
9	178+16		RTE 115	CL		20
9	178+16		RTE 115	CL		20
9	178+16		RTE 115	LT		20
10	190+37		RTE 115	RT	1.0	
10	190+37		RTE 115	RT		20
10	190+37		RTE 115	CL		20
10	190+73		RTE 115	CL		20
10	190+73		RTE 115	LT		20
10	190+73		RTE 115	LT	1.0	
12	219+93	220+88	RTE 115/PALM ST	RT	2.0	
12	220+06		RTE 115	RT		20
12	220+06		RTE 115	CL		20
12	220+06		RTE 115	CL		20
12	220+06		RTE 115	LT		20
12	220+06		RTE 115	LT	1.0	
12	221+08		PALM ST	RT		20
12	221+18		PALM ST	RT		20
12	221+38		PALM ST	RT		20
12	221+68		PALM ST	RT		20
12	221+77		PALM ST	RT		20
12	221+77		PALM ST	CL		20
12	221+77		PALM ST	CL		20
12	221+77		PALM ST	LT		20
12	221+86		PALM ST	RT	1.0	
12	221+17	221+70	RTE 115	LT	1.0	
12	221+25	221+59	RTE 115	RT	2.0	
12	221+25		RTE 115	CL		20
12	221+25		RTE 115	CL		20
			TOTALS		**36**	**1,350**

PAVEMENT REPAIRS

PLAN SHEET NO X OF 14	STA TO STA		LOCATION	9" BITUMINOUS PAVEMENT	FURNISHING AND PLACING BITUMINOUS MATERIAL FOR CLASS C PARTIAL DEPTH PAVEMENT REPAIR	REMOVAL FOR CLASS C PARTIAL DEPTH PAVEMENT REPAIR
				SQ YD	TON	SQ YD
1	0+00	12+50	RTE 115		1	8
2	12+50	18+00	RTE 115		2	13
2	15+30	15+75	RTE 115	111		
2	16+42	16+92	RTE 115	108		
3	18+00	45+00	RTE 115		9	56
4	45+00	71+50	RTE 115		9	52
5	71+50	98+50	RTE 115		3	16
6	98+50	125+50	RTE 115		4	21
7	125+50	152+50	RTE 115		5	31
8	152+50	175+00	RTE 115		16	97
10	180+00	207+00	RTE 115		28	168
11	207+00	218+50	RTE 115		26	152
12	220+74	221+03	RTE 115	181		
12	218+50	221+75	RTE 115		0	0
13	221+75	249+00	RTE 115		5	32
14	249+00		RTE 115		14	86
SUBTOTALS				399	119	712
5 PERCENT				20	6	36
TOTALS				**418.8**	**125.3**	**747.4**

PAVEMENT MARKING REMOVAL

PLAN SHEET NO X OF 14	STA TO STA		LOCATION	PAVEMENT MARKING REMOVAL (LF)	PAVEMENT MARKING REMOVAL (SYMBOLS) (EA)	REMARKS
1	2+69	3+76	RTE 115	369		
2,3	14+00	20+00	RTE 115	1931	33	INCLUDES YIELD LINE TRIANGLES
3	23+00		RTE 115		2	
3	34+00	35+00	RTE 115	533	1	
3	42+00	44+50	RTE 115	830	2	
4	48+75		RTE 115		2	
4	51+00	52+30	RTE 115	330	1	
4	54+00	56+00	RTE 115	330	1	
4	60+00	62+50	RTE 115	1710	36	INCLUDES CROSSWALK
4	67+66		RTE 115		2	
5	76+00		RTE 115		2	
5	80+50	84+00	RTE 115	1724	84	INCLUDES CROSSWALK
5	86+00		RTE 115		2	
5	88+40		RTE 115		2	
6	111+20		RTE 115		2	
6	116+00		RTE 115		2	
6	121+00		RTE 115		2	
7	142+00		RTE 115		2	
7	147+00		RTE 115		2	
7	151+70		RTE 115		2	
8	162+45		RTE 115		1	
8	167+47		RTE 115		1	
8	172+47		RTE 115		1	
13	223+85	224+65	RTE 115	213		
13	227+00	228+00	RTE 115	234		
13	237+00	239+00	RTE 115		24	INCLUDES YIELD LINE TRIANGLES, CROSSWALK AND WORDS
13	241+00	242+60	RTE 115		30	INCLUDES YIELD LINE TRIANGLES, CROSSWALK AND WORDS
13,14	247+90	251+00	RTE 115	204	19	INCLUDES CROSSWALK AND WORD
14	252+25	254+70	RTE 115		28	INCLUDES YIELD LINE TRIANGLES, CROSSWALK AND WORDS
14	256+34		RTE 115	102		
	1+78	8+33	GOODFELLOW		29	ADDITIONAL SYMBOLS ON GOODFELLOW
	1+15	2+78	PARNELL		7	ADDITIONAL SYMBOLS ON PARNELL
TOTAL				**8509**	**322**	

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SUMMARY OF QUANTITIES
SHEET 3 OF 7

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

DATE PREPARED: 3/12/2020
ROUTE: 115
STATE: MO
DISTRICT: SL
SHEET NO.: 3
COUNTY: ST LOUIS CITY
JOB NO.: J6S3258
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)

ACCESS ENGINEERING LLC
11820 TESSON FERRY ROAD
SUITE 203
ST. LOUIS, MO 63128
(314) 849-8445
#2000172588
CIVIL ENGINEERING
ENGINEERING CERTIFICATE OF AUTHORITY

SUMMARY OF QUANTITIES
ROUTE 115

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

PAVEMENT MARKINGS (1 OF 2)

PAVEMENT MARKING SHEET NO X OF 15	STA TO STA		LOCATION	LENGTH	WATERBORNE 4" WHITE SOLID	WATERBORNE 4" YELLOW SOLID	THERMOPLASTIC 4" WHITE SOLID	THERMOPLASTIC 4" YELLOW SOLID	THERMOPLASTIC 24" WHITE SOLID	THERMOPLASTIC 30" WHITE MIDBLOCK	THERMOPLASTIC 24" YELLOW SOLID HATCH	THERMOPLASTIC LANE REDUCTION ARROW	THERMOPLASTIC LEFT ARROW	THERMOPLASTIC RIGHT ARROW	THERMOPLASTIC YIELD LINE TRIANGLE
				FT	LF	LF	LF	LF	LF	EA	LF	EA	EA	EA	EA
1	0+00	12+50	RTE 115	1250.00	2520				24	22	53	2	4		
1	0+40	2+85	RTE 115	244.75	122	979									
1	2+85	12+50	RTE 115	965.30		2413									
2	12+50	18+00	RTE 115	550.00	1297	1260	1152	196	152	34					53
3	18+00	31+50	RTE 115	1350.00	2700						144	1	4		
3	18+00	21+31	RTE 115	331.00		1324									
3	21+31	31+50	RTE 115	1019.00	510	2548									
3	31+50	34+07	RTE 115	257.25	643	643			22						
3	34+07	34+71	RTE 115	63.37						11					
3	34+71	36+14	RTE 115	143.36	609	287			33				2		
3	36+14	37+16	RTE 115	101.63	279	330									
3	37+16	40+00	RTE 115	284.50	711	711							2		
3	40+00	41+00	RTE 115	100.00	275	325									
3	41+00	42+45	RTE 115	145.00	616	290			11				2		
3	42+45	42+54	RTE 115	9.00	27				22						
3	42+54	43+79	RTE 115	125.26						25					
3	43+79	45+00	RTE 115	120.63	513	241			33				2		
4	45+00	45+24	RTE 115	24.37	104	49									
4	45+24	46+24	RTE 115	100.00	275	325									
4	46+24	51+20	RTE 115	495.23	1238	1238			22				2		
4	51+76	53+26	RTE 115	150.00	638	300			33				2		
4	53+26	54+41	RTE 115	114.89	316	460			22						
4	54+41	55+19	RTE 115	77.82	78					13					
4	55+19	56+64	RTE 115	145.00	616	290			33				2		
4	56+64	57+64	RTE 115	100.00	275	325									
4	57+64	58+00	RTE 115	35.94	90	90							2		
4	58+00	58+04	RTE 115	4.21	11	11									
4	58+04	59+00	RTE 115	96.26	265	313									
4	59+00	60+49	RTE 115	148.59	632	297			11				2		
4	60+49	60+69	RTE 115	20.36	61				22						
4	60+69	61+77	RTE 115	107.19						50					
4	61+77	61+97	RTE 115	19.98	100				33						
4	61+97	63+42	RTE 115	145.00	761	290			11				2	2	
4	63+42	64+42	RTE 115	100.02	300	325			22						
4	64+42	71+50	RTE 115	708.39	1771	1771							2		
5	71+50	78+89	RTE 115	738.72	1847	1847							4		
5	78+89	79+89	RTE 115	100.00	300	325									
5	79+89	81+34	RTE 115	145.00	761	290			11				2	2	
5	81+34	81+59	RTE 115	25.00	125				33						
5	81+59	83+12	RTE 115	153.32						66					
5	83+12	83+32	RTE 115	19.49	97				33						
5	83+32	84+72	RTE 115	140.00	735	280			11				2	2	
5	84+72	85+00	RTE 115	28.47	85	93									
5	85+00	85+72	RTE 115	72.04	216	234									
5	85+72	90+76	RTE 115	504.43	1261	1261			23	10			4		30
5	90+76	91+34	RTE 115	57.48					13	17					
5	91+34	92+72	RTE 115	138.24	450	276			72				2		
5	92+72	93+48	RTE 115	75.96	76				20	20					
5	93+48	98+50	RTE 115	501.85	1255	1255			25			2	4		
6	98+50	99+24	RTE 115	73.59	184	184									
6	99+24	99+79	RTE 115	55.85	126	126									
6	99+79	100+24	RTE 115	44.15	177	99									
6	100+24	101+59	RTE 115	134.94	540	270			43				2		
6	101+59	101+77	RTE 115	18.70	93	29			11						
6	101+77	102+54	RTE 115	76.45						39					
6	102+54	102+64	RTE 115	10.55	61	16			11						
6	102+64	104+13	RTE 115	149.26	597	299			43				2		
6	104+13	104+48	RTE 115	34.26	146	69									
6	104+48	104+69	RTE 115	21.59	54	43									
6	104+69	105+04	RTE 115	34.26	146	69									
6	105+04	106+54	RTE 115	150.22	601	300			43				2		
6	106+54	106+67	RTE 115	12.79	70	16			11						
6	106+67	107+43	RTE 115	75.99						40					
6	107+43	107+62	RTE 115	19.40	96	54			11						
6	107+62	109+39	RTE 115	176.81	707	354			43				2		
6	109+39	109+95	RTE 115	55.85	126	112									
6	109+95	112+00	RTE 115	205.34	411	411									
6	112+00	116+78	RTE 115	477.70	955	1194				6			4		14
6	116+78	119+34	RTE 115	255.96	512	512									
6	119+34	120+24	RTE 115	90.81	182	227							2		
6	120+24	122+46	RTE 115	221.55	443	443			11						
6	122+46	123+19	RTE 115	72.51	19	42				38					
6	123+19	123+31	RTE 115	12.44	75	16			11						
6	123+31	125+16	RTE 115	185.23	741	370			43				2		
6	125+16	125+50	RTE 115	33.80	76	68									
7	125+50	125+72	RTE 115	22.05	50	44									
7	125+72	126+83	RTE 115	111.43	223	279							2		
SUBTOTALS #1					32968	28939	1152	196	1028	391	196	5	66	6	97

*** SEE NEXT PAGE FOR TOTALS**

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SUMMARY OF QUANTITIES
SHEET 4 OF 7

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

DATE PREPARED: 3/12/2020
ROUTE: 115 | STATE: MO
DISTRICT: SL | SHEET NO.: 3
COUNTY: ST LOUIS CITY
JOB NO.: J6S3258
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)

ACCESS ENGINEERING LLC
11820 TESSON FERRY ROAD
SUITE 203
ST. LOUIS, MO 63128
(314) 849-8445
#2000172688
CIVIL ENGINEERING
ENGINEERING CERTIFICATE OF AUTHORITY

SUMMARY OF QUANTITIES
ROUTE 115

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

PAVEMENT MARKINGS (2 OF 2)

PAVEMENT MARKING SHEET NO X OF 15	STA TO STA		LOCATION	LENGTH	WATERBORNE		THERMOPLASTIC								
					4" WHITE	4" YELLOW	4" WHITE	4" YELLOW	24" WHITE	30" WHITE	24" YELLOW	LANE REDUCTION ARROW	LEFT ARROW	RIGHT ARROW	YIELD LINE TRIANGLE
					SOLID	SOLID	SOLID	SOLID	SOLID	MIDBLOCK	SOLID HATCH				
				FT	LF	LF	LF	LF	LF	EA	LF	EA	EA	EA	EA
7	126+83	127+21	RTE 115	38.00	76	86									
7	127+21	129+39	RTE 115	217.75	436	436									
7	129+39	129+95	RTE 115	55.85	126	112									
7	129+95	131+72	RTE 115	177.31	709	355			43				2		
7	131+72	131+90	RTE 115	17.99	90	52			11						
7	131+90	132+83	RTE 115	92.97	18					42					
7	132+83	133+03	RTE 115	19.70	79	55			11						
7	133+03	134+73	RTE 115	169.95	680	340			43				2		
7	134+73	135+29	RTE 115	55.85	126	112									
7	135+29	135+63	RTE 115	34.39	69	77									
7	135+63	139+00	RTE 115	336.76	674	842							2		
7	139+00	152+50	RTE 115	1350.00	2700	3375				6			4		14
8	152+50	154+17	RTE 115	166.83	334	417							2		
8	154+17	154+73	RTE 115	55.85	126	112									
8	154+73	156+60	RTE 115	186.97	748	374			44				2		
8	156+60	156+82	RTE 115	22.83	91	15			11						
8	156+82	157+68	RTE 115	85.88	41					43					
8	157+68	157+81	RTE 115	12.52	50	16			11						
8	157+81	159+52	RTE 115	171.17	685	342			37				2		
8	159+52	160+14	RTE 115	61.45	138	123									
8	160+14	164+03	RTE 115	389.85	780	780									7
8	164+03	164+89	RTE 115	85.79	104	24				14					
8	164+89	166+00	RTE 115	110.86	443	222			17				2		
8	166+00	166+67	RTE 115	66.73	267	133			14						
8	166+67	167+23	RTE 115	55.85	126	112									
8	167+23	175+00	RTE 115	777.42	1555	1555				6					14
9	175+00	180+00	RTE 115	500.00	1024	1164	521	260		24		1			41
10	180+00	184+67	RTE 115	466.91	934	934			12						
10	184+67	185+38	RTE 115	71.30	20	21				34					
10	185+38	187+16	RTE 115	178.10	712	356			55				2		
10	187+16	187+72	RTE 115	55.85	126	112									
10	187+72	193+50	RTE 115	577.84	1156	1156				6					14
10	193+50	193+86	RTE 115	35.73	71	71									
10	193+86	194+42	RTE 115	55.79	126	112									
10	194+42	196+19	RTE 115	177.19	709	354			33				2		
10	196+19	197+37	RTE 115	118.37	48	37			23	68					
10	197+37	197+56	RTE 115	18.72	75	33			11						
10	197+56	199+33	RTE 115	176.69	707	353			43				2		
10	199+33	199+88	RTE 115	55.85	126	112									
10	199+88	201+21	RTE 115	132.32	265	331							2		
10	201+21	201+77	RTE 115	55.85	126	112									
10	201+77	203+60	RTE 115	183.22	733	366			31				2		
10	203+60	203+79	RTE 115	19.12	76	30			12						
10	203+79	204+49	RTE 115	69.88	30				11	32					
10	204+49	205+57	RTE 115	108.37	217	217			11						
10	205+57	206+13	RTE 115	55.85	126	112									
10	206+13	207+00	RTE 115	86.99	348	174			13				1		
11	207+00	207+83	RTE 115	82.78	331	166			16				1		
11	207+83	208+05	RTE 115	22.09	88	21			12						
11	208+05	208+74	RTE 115	69.50	25				11	38					
11	208+74	208+96	RTE 115	21.49	86	19			11						
11	208+96	210+73	RTE 115	177.61	710	355			43	10			2		
11	210+73	211+29	RTE 115	55.85	126	112									
11	211+29	211+58	RTE 115	28.25	57	57									
11	211+58	212+23	RTE 115	65.46	147	131									
11	212+23	213+78	RTE 115	155.37	621	311			26				2		
11	213+78	213+98	RTE 115	19.73	79	32			12						
11	213+98	214+97	RTE 115	99.30	69				11	27					
11	214+97	215+49	RTE 115	51.48	84					23					
11	215+49	215+57	RTE 115	8.14	33	29			11						
11	215+57	217+34	RTE 115	177.02	708	354			44				2		
11	217+34	217+90	RTE 115	55.85	126	112									
11	217+90	218+50	RTE 115	60.08	120	120									
12	218+50	224+00	RTE 115	550.00	1229	1204	667	243	54	32	36				50
13	221+75	223+67	RTE 115	192.44	192	385									
13	223+67	234+11	RTE 115	1043.62		261			18	27					
13	234+11	234+88	RTE 115	76.62					18	24					
13	234+88	235+50	RTE 115	62.32		16									
13	235+50	249+00	RTE 115	1350.00		338			17	25					48
14	249+00	256+39	RTE 115	739.30		185			34	25					24
15	2+25	9+60	GOODFELLOW N	734.57	2273	1469			22		155	2			
15	224+00	224+18	RTE 115	18.10	45.25	36									
15	224+18	225+34	RTE 115	115.44	375.18	231			20		14	2			
15	270+00	END	PARNELL	519.00	579	898					36	2			
SUBTOTALS #1					32968	28939	1152	196	1028	391	196	5	66	6	97
SUBTOTALS #2					27125	23060	1188	503	878	506	241	7	36	0	212
TOTALS					**60094**	**51999**	**2340**	**699**	**1906**	**897**	**437**	**12**	**108**		**309**

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SUMMARY OF QUANTITIES
SHEET 5 OF 7

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

DATE PREPARED: 3/12/2020
ROUTE: 115
STATE: MO
DISTRICT: SL
SHEET NO.: 3
COUNTY: ST LOUIS CITY
JOB NO.: J6S3258
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)

ACCESS ENGINEERING LLC
11820 TESSON FERRY ROAD
SUITE 203
ST. LOUIS, MO 63128
(314) 849-8445
#2000172588
CIVIL ENGINEERING
ENGINEERING CERTIFICATE OF AUTHORITY

SUMMARY OF QUANTITIES
ROUTE 115

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

EARTHWORK

PLAN SHEET NO X OF 14	STA TO STA		LOCATION	EMBANKMENT IN PLACE	TOPSOIL	SEEDING	TEMPORARY SEEDING AND MULCHING
				CY	CY	ACRE	ACRE
8	159+21	164+00	RTE 115	347	290.3	0.4	0.1
8	166+26	169+17	RTE 115	211	165.9	0.3	0.1
8	169+21	175+47	RTE 115	454	370.7	0.5	0.2
9	177+16	177+55	RTE 115	28	22.1	0.1	0.1
10	179+22	184+66	RTE 115	395	316.9	0.4	0.1
10	186+89	190+66	RTE 115	273	212.8	0.3	0.1
10	190+73	194+57	RTE 115	279	230.2	0.3	0.1
TOTAL				**1987**	**1609**	**2.3**	**0.8**

CCTV ASEMBLY, INSTALLED

SHEET NO	ROADWAY	CROSS STREET	LOCATION	CCTV CAMERA	INSTALL CCTV CAMERA ASSEMBLY	REMARKS
				EA	EA	
71	RTE 115	FAIR	NE	1	1	ON TYPE CL SIGNAL POST #1
SUBTOTAL				1	1	
PAY TOTAL				1	1	

ITS-NETWORK CONNECTIONS

PLAN SHEET NO	INTERSECTION	SINGLEMODE FIBER OPTIC FUSION SPLICE	SINGLEMODE FIBER OPTIC PIGTAIL	SINGLEMODE FIBER OPTIC JUMPER	WALL MOUNTED INTERCONNECT CENTER	INSTALL COMMUNICATION EQUIPMENT	ITS BULL BOX, CLASS 5	NETWORK CONNECTED SIGNAL MONITOR	ITS ASSET MANAGEMENT TOOL
		EA	EA	EA	EA	EA	EA	EA	LS
67	FAIR	8	8	8	2	1	1	1	1
SUBTOTALS		8	8	8	2	1	1	1	1
TOTALS		8	8	8	2	1	1	1	1

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SUMMARY OF QUANTITIES
SHEET 6 OF 7

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

DATE PREPARED: 3/12/2020
ROUTE: 115
STATE: MO
DISTRICT: SL
SHEET NO.: 3
COUNTY: ST LOUIS CITY
JOB NO.: J6S3258
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)

ACCESS ENGINEERING LLC
11820 TESSON FERRY ROAD
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ST. LOUIS, MO 63128
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ENGINEERING CERTIFICATE OF AUTHORITY

SUMMARY OF QUANTITIES
ROUTE 115

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

EFFECTIVE: 10-01-2019

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL AREA SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NUM.	DESCRIPTION
WARNING SIGNS								
W01-1L	48X48	16.00						TURN (SYMBOL LEFT ARROW)
W01-1R	48X48	16.00						TURN (SYMBOL RIGHT ARROW)
W01-2L	48X48	16.00						CURVE (SYMBOL LEFT ARROW)
W01-2R	48X48	16.00						CURVE (SYMBOL RIGHT ARROW)
W01-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT ARROW)
W01-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT ARROW)
W01-4L	48X48	16.00						REVERSE CURVE (SYMBOL LEFT ARROW)
W01-4R	48X48	16.00						REVERSE CURVE (SYMBOL RIGHT ARROW)
W01-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)
W01-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)
W01-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)
W01-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)
W01-6	60X30	12.50						HORIZONTAL ARROW (SYMBOL)
W01-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)
W01-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)
W01-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)
W01-8	18X24	3.00						CHEVRON (SYMBOL)
W01-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)
W03-1	48X48	16.00						STOP AHEAD (SYMBOL)
W03-2	48X48	16.00						YIELD AHEAD (SYMBOL)
W03-3	48X48	16.00						SIGNAL AHEAD (SYMBOL)
W03-4	48X48	16.00	2	32.00			11	BE PREPARED TO STOP
W03-5	48X48	16.00						SPEED LIMIT AHEAD
W04-1L	48X48	16.00						MERGE (SYMBOL FROM LEFT)
W04-1R	48X48	16.00						MERGE (SYMBOL FROM RIGHT)
W04-1aL	48X48	16.00						MERGE (ARROW SYMBOL)
W04-1aR	48X48	16.00						MERGE (ARROW SYMBOL)
W05-1	48X48	16.00						ROAD/BRIDGE/RAMP NARROWS
W05-3	48X48	16.00						ONE LANE BRIDGE
W05-5	48X48	16.00						NARROW LANES
W06-1	48X48	16.00						DIVIDED HIGHWAY (SYMBOL)
W06-2	48X48	16.00						DIVIDED HIGHWAY END (SYMBOL)
W06-3	48X48	16.00						TWO WAY TRAFFIC (SYMBOL)
W07-3a	30X24	5.00						NEXT XX MILES (PLAQUE)
W08-1	48X48	16.00						BUMP
W08-2	48X48	16.00						DIP
W08-3	48X48	16.00						PAVEMENT ENDS
W08-4	48X48	16.00						SOFT SHOULDER
W08-5	48X48	16.00						SLIPPERY WHEN WET (SYMBOL)
W08-6	48X48	16.00						TRUCK CROSSING
W08-6c	48X48	16.00						TRUCK ENTRANCE
W08-7	36X36	9.00						LOOSE GRAVEL
W08-7a	36X36	9.00						FRESH OIL/LOOSE GRAVEL
W08-9	48X48	16.00						LOW SHOULDER
W08-11	48X48	16.00						UNEVEN LANES
W08-12	48X48	16.00						NO CENTER LINE
W08-15	48X48	16.00						GROOVED PAVEMENT
W08-15P	30X24	5.00						MOTORCYCLE (PLAQUE)
W08-17	48X48	16.00						SHOULDER DROP-OFF (SYMBOL)
W08-17P	30X24	5.00						SHOULDER DROP-OFF (PLAQUE)
W10-1	42RND.	9.62						RAILROAD CROSSING
W012-1	24X24	4.00						DOUBLE DOWN ARROW (SYMBOL)
W012-2	48X48	16.00						LOW CLEARANCE (SYMBOL)
W012-2X	24X18	3.00						LOW CLEARANCE (PLAQUE)
W012-2a	84X24	14.00						OVERHEAD LOW CLEARANCE (FEET AND INCHES)
W012-4	120X60	50.00						LOW CLEARANCE XX FT XX IN XX MILES AHEAD
W012-5	120X60	50.00						WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD
W013-1	30X30	6.25						ADVISORY SPEED (PLAQUE)
W016-2	30X24	5.00						XXX FEET (PLAQUE)
W016-3	30X24	5.00						X MILE (PLAQUE)
W020-1	48X48	16.00	4	64.00			2	ROAD/BRIDGE/RAMP WORK AHEAD
W020-2	48X48	16.00						DETOUR AHEAD
W020-3	48X48	16.00						ROAD CLOSED AHEAD
W020-4	48X48	16.00	2	32.00			7	ONE LANE ROAD AHEAD
W020-5	48X48	16.00	2	32.00			5	RIGHT/CENTER/LEFT LANE CLOSED AHEAD
W020-5a	48X48	16.00						2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD
W020-6a	48X48	16.00	2	32.00			6	RIGHT/CENTER/LEFT LANE CLOSED
W020-7a	48X48	16.00	2	32.00			8	FLAGGER (SYMBOL) WITH FLAGS
W021-2	36X36	9.00						FRESH OIL
W021-5	48X48	16.00						SHOULDER WORK AHEAD
W022-1	48X48	16.00						BLASTING ZONE AHEAD
W022-2	42X36	10.50						TURN OFF 2-WAY RADIO AND PHONE
W022-3	42X36	10.50						END BLASTING ZONE
G022-1	21X15	2.19						WET PAINT (ARROW PIVOTS)

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NUM.	DESCRIPTION
GUIDE SIGNS								
E05-1	36X48	12.00						GORE EXIT
E05-2	48X36	12.00						EXIT OPEN
E05-2a	48X36	12.00						EXIT CLOSED
G020-1	60X24	10.00	2	20.00			1	ROAD WORK NEXT XX MILES
G020-2	48X24	8.00	2	16.00			26	END ROAD WORK
G020-4	36X18	4.50						PILOT CAR FOLLOW ME
G020-4a	42X30	8.75						PILOT CAR IN USE WAIT & FOLLOW
G020-4a	18X12	1.50						PILOT CAR IN USE WAIT & FOLLOW
G020-5aP	36X24	6.00						WORK ZONE (PLAQUE)
M04-8a	24X18	3.00						END DETOUR
M04-9L	48X36	12.00						DETOUR (LEFT ARROW)
M04-9R	48X36	12.00						DETOUR (RIGHT ARROW)
M04-9P	48X12	4.00						STREET NAME (PLAQUE)
M04-10L	48X18	6.00						DETOUR (ARROW LEFT)
M04-10R	48X18	6.00						DETOUR (ARROW RIGHT)
REGULATORY SIGNS								
R1-1	48X48	13.25						STOP
R1-2	48TRI.	6.93						YIELD
R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)
R1-3P	30X12	2.50						ALL WAY (PLAQUE)
R2-1	36X48	12.00						SPEED LIMIT XX
R3-1	48X48	16.00						NO RIGHT TURN (SYMBOL)
R3-2	48X48	16.00						NO LEFT TURN (SYMBOL)
R3-3	36X36	9.00						NO TURNS
R3-4	48X48	16.00						NO U-TURN (SYMBOL)
R3-7L	30X30	6.25	41	256.25			55	LEFT LANE MUST TURN LEFT
R3-7R	30X30	6.25						RIGHT LANE MUST TURN RIGHT
R4-1	36X48	12.00						DO NOT PASS
R4-2	36X48	12.00						PASS WITH CARE
R4-8a	36X48	12.00						KEEP LEFT (HORIZONTAL ARROW)
R4-7a	36X48	12.00	23	276.00			42	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	4	8.00			60	SIDEWALK CLOSED
R9-11L	24X18	3.00	4	12.00			59	SIDEWALK CLOSED AHEAD, (ARROW LEFT) CROSS HERE
R9-11R	24X18	3.00	4	12.00			58	SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE
R10-6	24X36	6.00						STOP HERE ON RED (45° ARROW)
R11-2	48X30	10.00						ROAD CLOSED
R11-3a	60X30	12.50						ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY
R11-4	60X30	12.50						ROAD CLOSED TO THRU TRAFFIC
CONST-3A	60X48	20.00						FINE SIGN
CONST-3X	56X12	4.67						SPEEDING/PASSING (PLATE)
MISCELLANEOUS SIGNS								
CONST-5	48X36	12.00						POINT OF PRESENCE
CONST-5	96X48	32.00						POINT OF PRESENCE
CONST-7	48X24	8.00						RATE OUR WORK ZONE
CONST-7	72X36	18.00	2	36.00			56	RATE OUR WORK ZONE
CONST-8	48X36	12.00	2	24.00			57	WORK ZONE NO PHONE ZONE

616-10.05 CONSTRUCTION SIGNS	TOTAL 884.25	
616-10.10 RELOCATED SIGNS		TOTAL *

ITEM NUMBER	TOTAL QTY	DESCRIPTION
6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)
6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)
6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)
6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)
6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)
6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)
6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)
6122020		REPLACEMENT SAND BARREL
6122030		IMPACT ATTENUATOR (RELOCATION)
6123000A	2	TRUCK OR TRAILER MOUNTED ATTENUATOR (TMA)
6161007		SPEED LIMIT AND STROBE LIGHT ASSEMBLY
6161008	6	ADVANCED WARNING RAIL SYSTEM
6161009	4	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	570	CHANNELIZER (TRIM LINE)
6161030	8	TYPE III MOVEABLE BARRICADE
6161031		TYPE III MOVEABLE BARRICADE WITH LIGHTS
6161033	28	DIRECTION INDICATOR BARRICADE
6161034		DIRECTION INDICATOR BARRICADE, WITH LIGHT
6161040	4	FLASHING ARROW PANEL
6161047		TYPE III OBJECT MARKER
6161052		WARNING LIGHT, TYPE B
6161055		SEQUENTIAL FLASHING WARNING LIGHT
6161070		TUBULAR MARKER
6161095		RADAR SPEED ADVISORY SYSTEM
6161096		CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED
6161098A		CHANGEABLE MESSAGE SIGN W/O COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED
6161099		CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED
6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM
6162002		TEMPORARY LONG-TERM RUMBLE STRIPS
6162004		TEMPORARY SHORT-TERM RUMBLE STRIPS
6173600D		TEMPORARY TRAFFIC BARRIER CONTRACTOR FURNISHED/RETAINED
6173602B		TEMPORARY TRAFFIC BARRIER CONTRACTOR FURNISHED/COMMISSION RETAINED
6174000A		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION
6175010A		RELOCATING TEMPORARY TRAFFIC BARRIER
6176000B		TEMPORARY TRAFFIC BARRIER COMMISSION FURNISHED/RETAINED
6177000B		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION COMMISSION FURNISHED/RETAINED
6208064A	2066	TEMPORARY RAISED PAVEMENT MARKER
9029400		TEMPORARY TRAFFIC SIGNALS
9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING
6169902	** 2	NTICP COMPLIANT CHANGEABLE MESSAGE SIGN (CONTRACTOR FURNISH/ RETAINED)

TRAFFIC CONTROL = 1 LUMP SUM

ALL WARNING SIGNS SHALL HAVE FLORESCENT SHEETING.

SIGN QUANTITIES HAVE BEEN ESTIMATED. TEMPORARY TRAFFIC CONTROL SHOULD FOLLOW MUTCD STANDARDS.

ALL TRAFFIC CONTROL ITEMS ARE INCLUDED IN PAY ITEM 616-99.01, TEMPORARY TRAFFIC CONTROL, LUMP SUM, UNLESS OTHERWISENOTED IN THE PLANS. THESE QUANTITIES ARE ONLY AN ESTIMATE AND ARE SUBJECT TO CHANGE ON FIELD CONDITIONS.

* NO DIRECT PAYMENT WILL BE MADE FOR RELOCATION OF CONSTRUCTION SIGNS OR DEVICES.

** NOT INCLUDED IN TEMP. TRAFFIC CONTROL LUMP SUM BID. CMS LOCATIONS TO BE DETERMINED BY THE ENGINEER.

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SUMMARY OF QUANTITIES
SHEET 7 OF 7

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

DATE PREPARED: 3/12/2020
ROUTE: 115
STATE: MO
DISTRICT: SL
SHEET NO.: 3
COUNTY: ST LOUIS CITY
JOB NO.: J6S3258
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

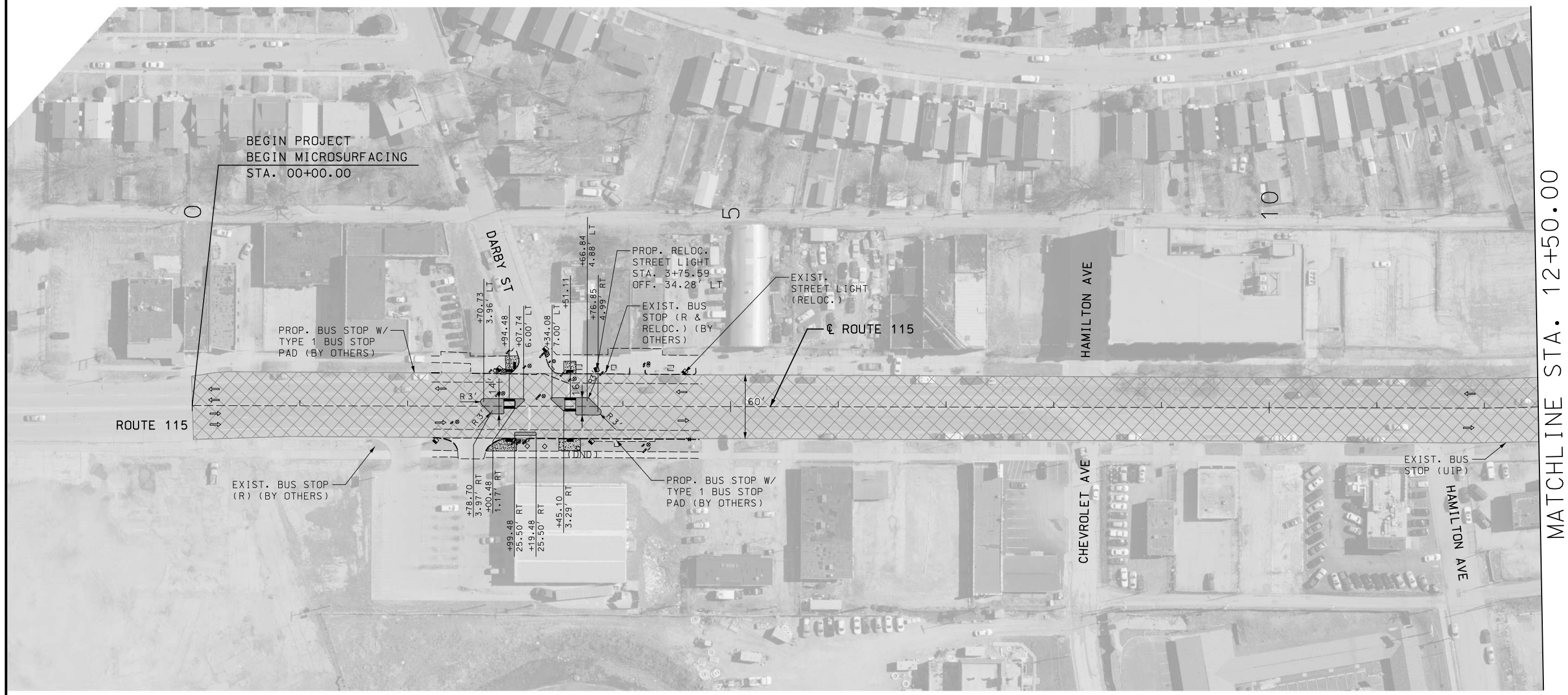
DESCRIPTION | DATE

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

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

ACCESS ENGINEERING LLC
11820 TESSON FERRY ROAD
SUITE 203
ST. LOUIS, MO 63128
(314) 849-8445
#2000172588
CIVIL ENGINEERING
ENGINEERING CERTIFICATE OF AUTHORITY

SUMMARY OF QUANTITIES
ROUTE 115



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.

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LEGEND

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- PROPOSED SIDEWALK RECONSTRUCTION
- PROPOSED DOWELED RAISED MEDIAN (MICROSURFACE BENEATH)
- PROPOSED RAISED MEDIAN
- PROPOSED TRUCK APRON (MOUNTABLE)
- PROPOSED TRUNCATED DOMES

SCALE

0 50 100 150

NOTE: TYPICAL RADII OF CONCRETE MEDIAN IS 1' UNLESS OTHERWISE NOTED.

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DATE PREPARED	3/12/2020
ROUTE	115
STATE	MO
DISTRICT	SL
SHEET NO.	4
COUNTY	ST LOUIS CITY
JOB NO.	J6S3258
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

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PLAN SHEET
ROUTE 115
SHEET 1 OF 14

NOTES: SEE SPECIAL SHEETS FOR INTERSECTION DETAILS.

SEE SIGNAL SHEETS FOR DISPOSITION OF SIGNAL EQUIPMENT.

MATCHLINE STA. 12+50.00

MATCHLINE STA. 18+00.00

℄ GOODFELLOW NORTH

GOODFELLOW BLVD

N 16° 55′ 44″ E

17′

18′

EXIST. CONC ISLAND (R & REPLACE WITH FULL DEPTH PAVEMENT)

EXIST. CONC ISLAND (R & REPLACE WITH FULL DEPTH PAVEMENT)

EXIST. BUS STOP (UIP)

ROUTE 115

PT STA 14+46.45

60′

S 51° 40″ E

18′

D=130′

S 27° 07′ 24″ W

(ATG BY OTHERS)

(ATG BY OTHERS)

(ATG BY OTHERS)

(ATG BY OTHERS)

(ATG BY AMEREN)

(ATG BY OTHERS)

ROUTE 115

℄ ROUTE 115

PC STA 0+59.20

PT STA 0+93.90

RELOC. STREET LIGHT STA. 17+42.10 OFF. 32.78′ RT

EXIST. STREET LIGHT (RELOC.)

GOODFELLOW BLVD

S 7° 14′ 47″ W

℄ GOODFELLOW SOUTH

SCALE

0 20 40 60

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ROUTE	115
STATE	MO
DISTRICT	SL
SHEET NO.	5
COUNTY	ST LOUIS CITY
JOB NO.	J6S3258
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BRIDGE NO.	

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PLAN SHEET
ROUTE 115
SHEET 2 OF 14

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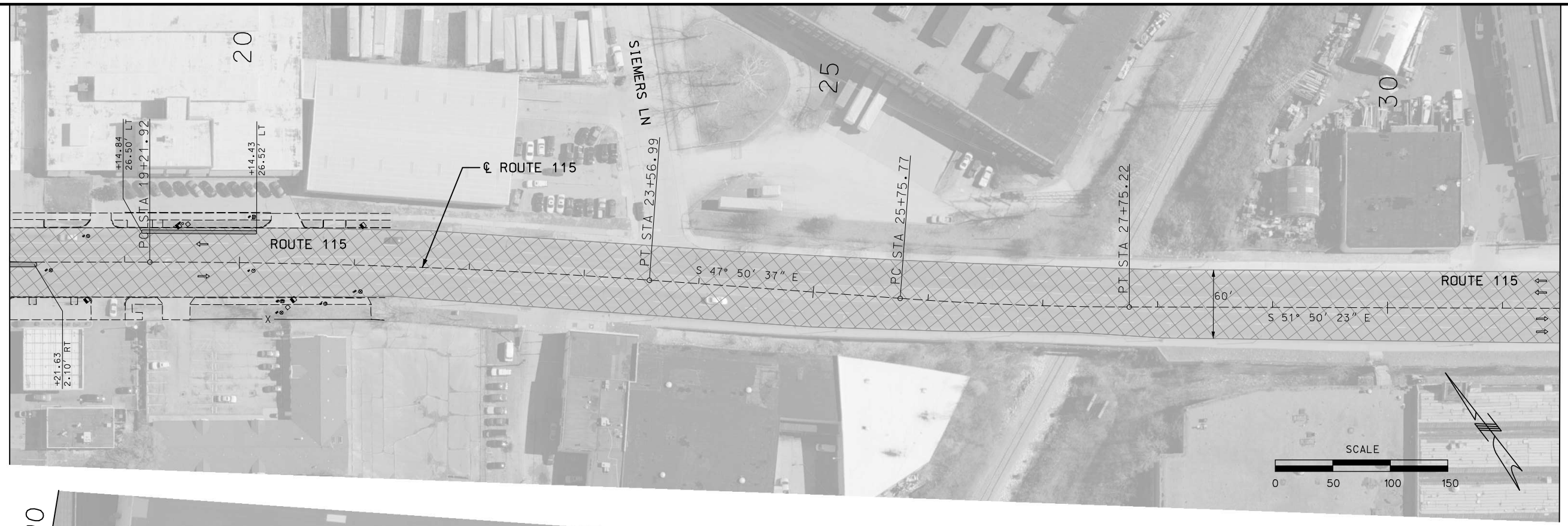

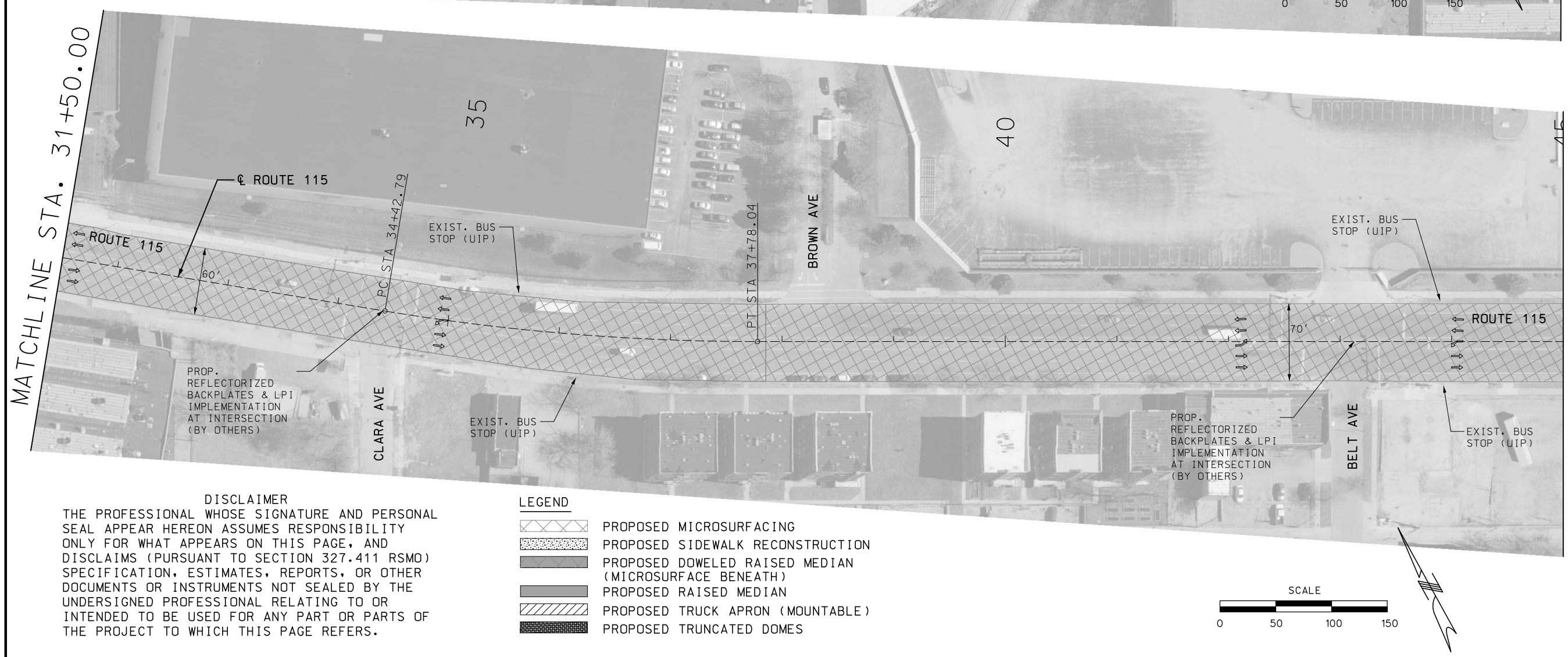

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DATE PREPARED	3/12/2020
ROUTE	115
STATE	MO
DISTRICT	SL
SHEET NO.	6
COUNTY	ST LOUIS CITY
JOB NO.	J6S3258
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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PLAN SHEET
ROUTE 115
SHEET 3 OF 14

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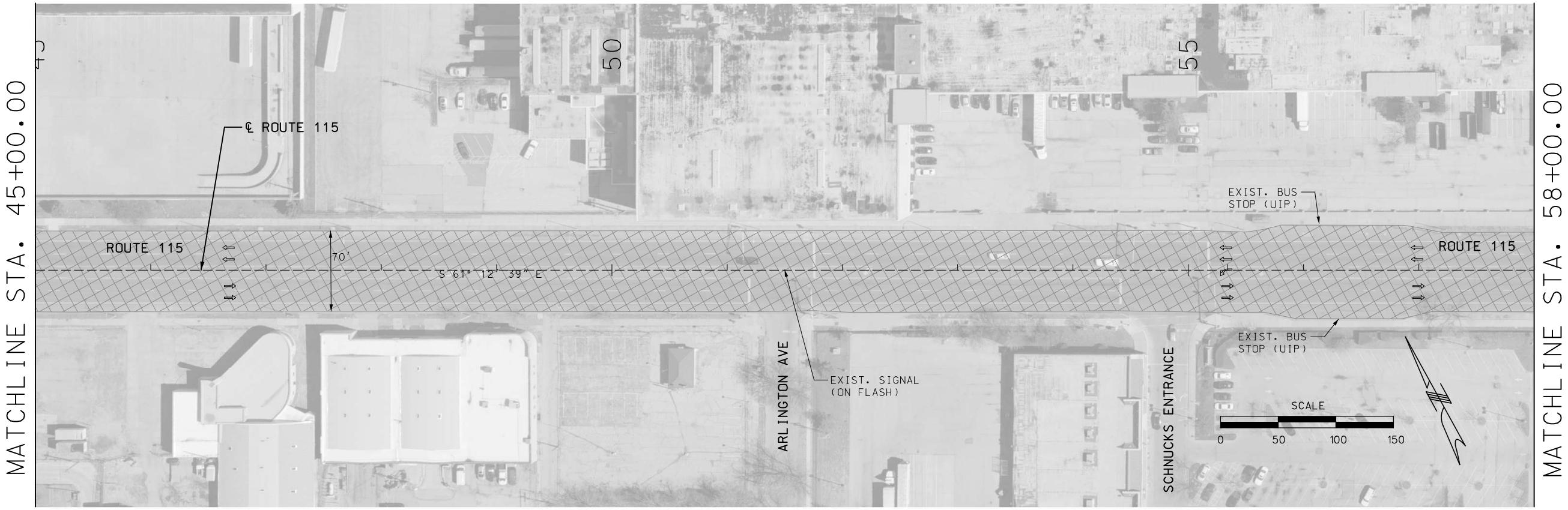

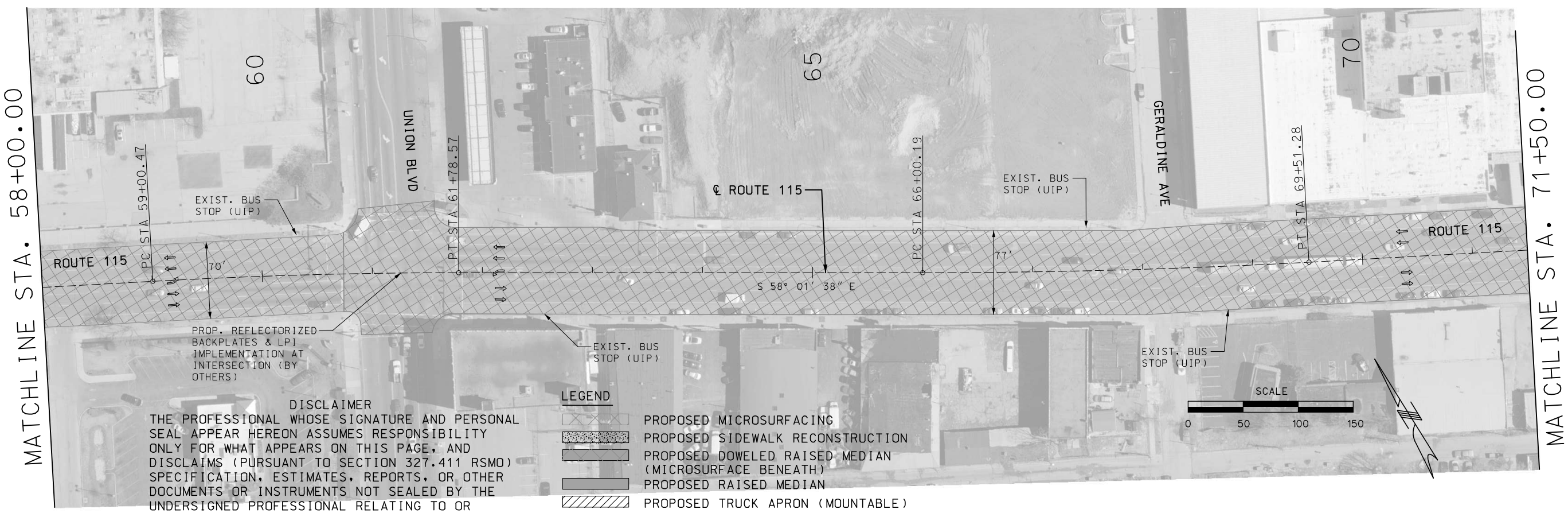

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STATE	MO
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SHEET NO.	7
COUNTY	ST LOUIS CITY
JOB NO.	J6S3258
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BRIDGE NO.	

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PLAN SHEET
ROUTE 115
SHEET 4 OF 14

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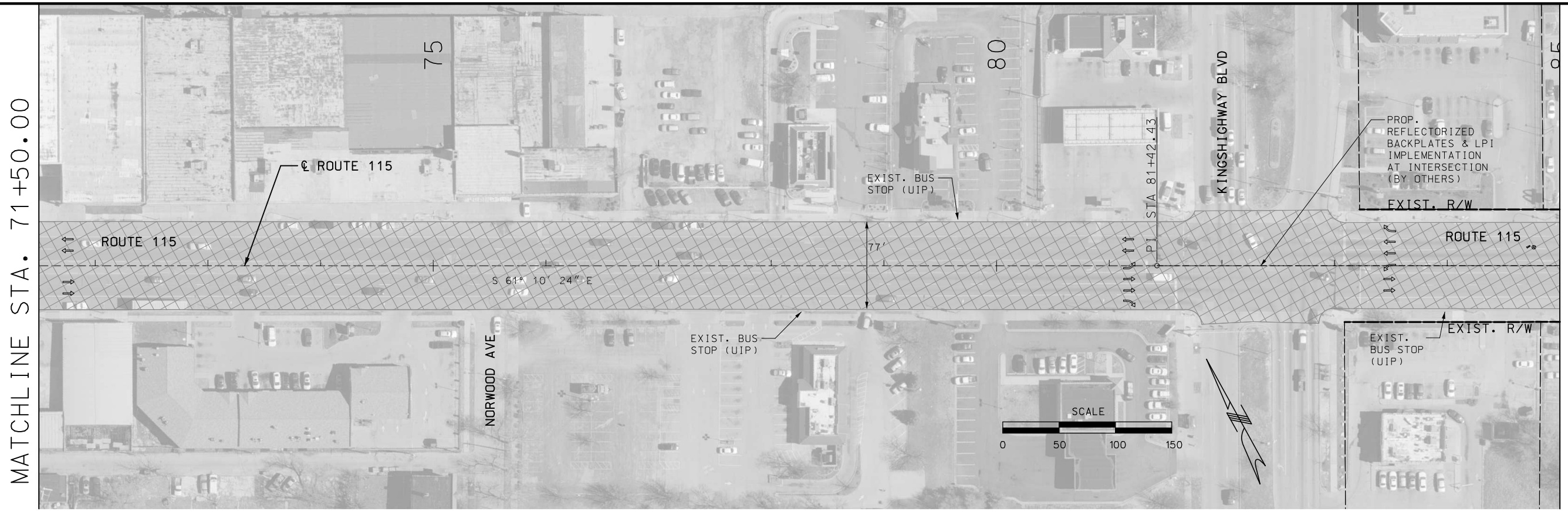

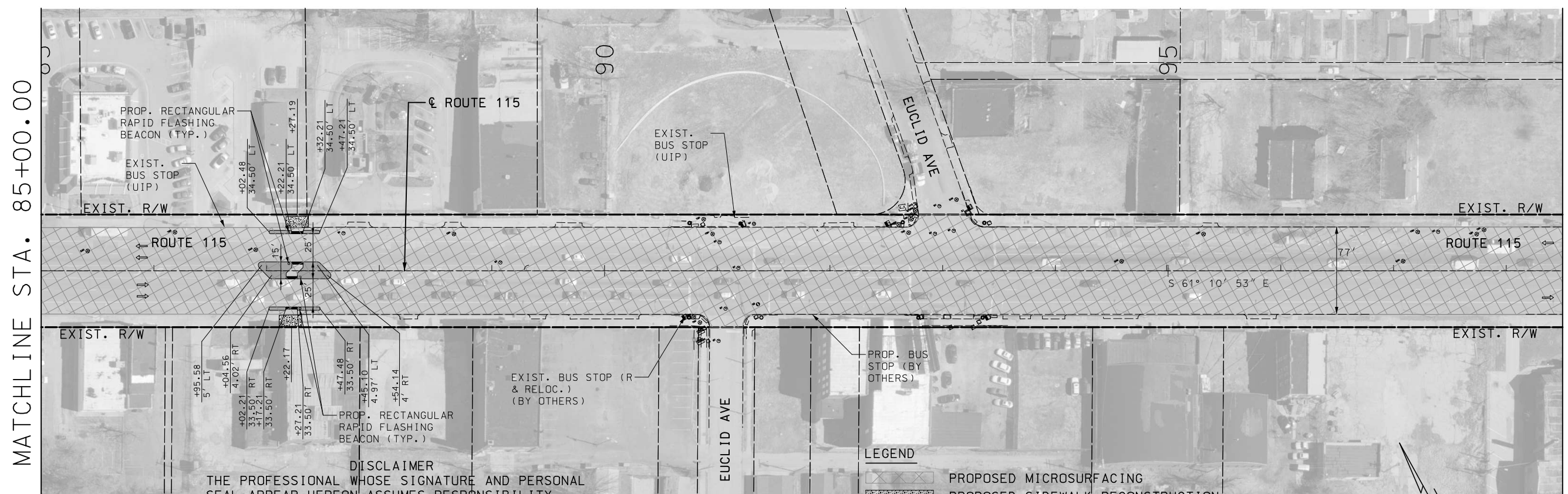

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DATE PREPARED	
3/12/2020	
ROUTE 115	STATE MO
DISTRICT SL	SHEET NO. 8
COUNTY ST LOUIS CITY	
JOB NO. J6S3258	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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JEFFERSON CITY, MO 65102
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PLAN SHEET
ROUTE 115
SHEET 5 OF 14

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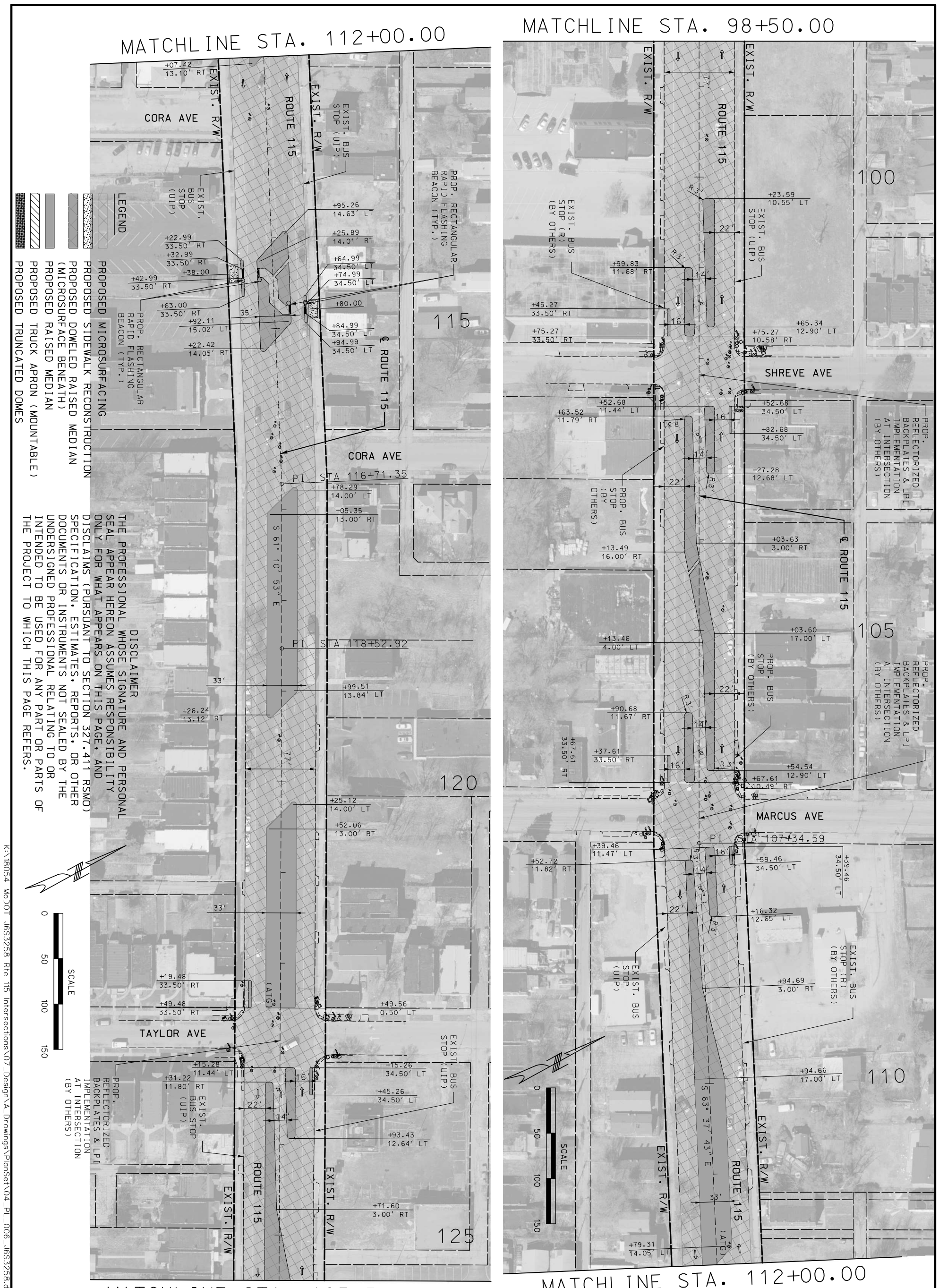

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PLAN SHEET
ROUTE 115
SHEET 6 OF 14

11820 TESSON FERRY ROAD
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(314) 849-8445

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

DATE	DESCRIPTION

BRIDGE NO.
PROJECT NO.
CONTRACT ID.
JOB NO. J6S3258
COUNTY ST LOUIS CITY
DISTRICT SL
SHEET NO. 9
ROUTE 115
STATE MO
DATE PREPARED 3/12/2020

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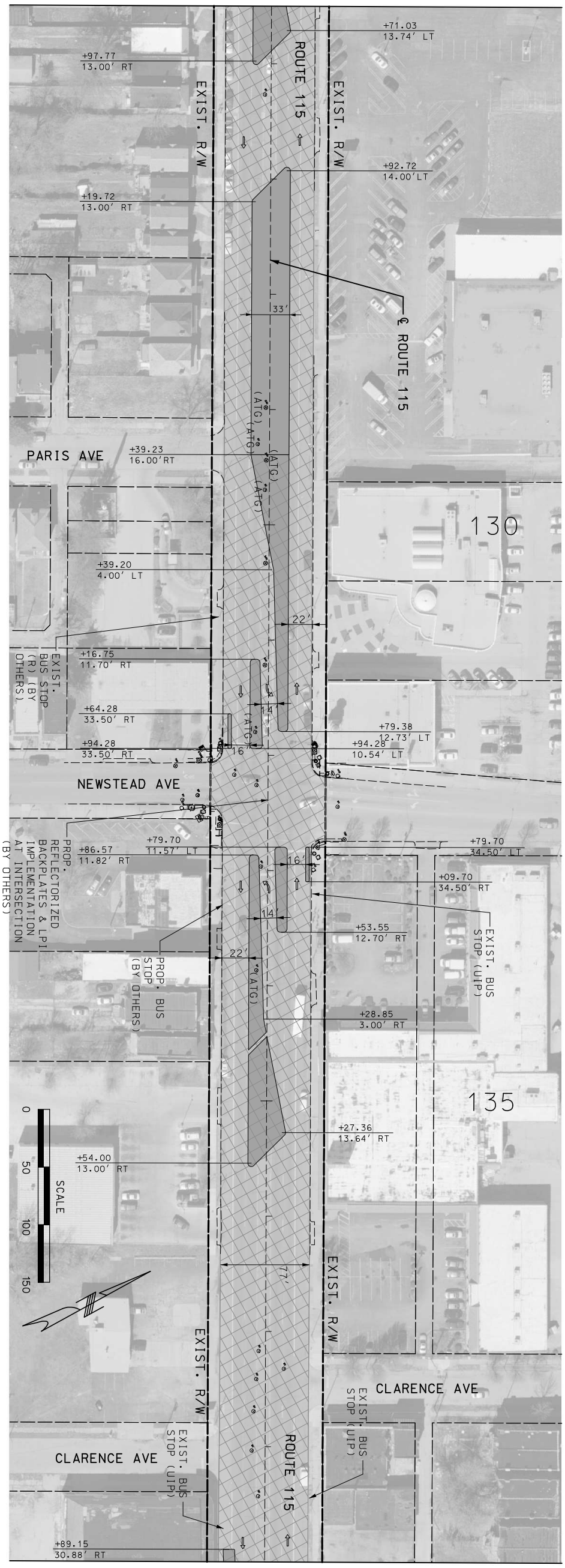
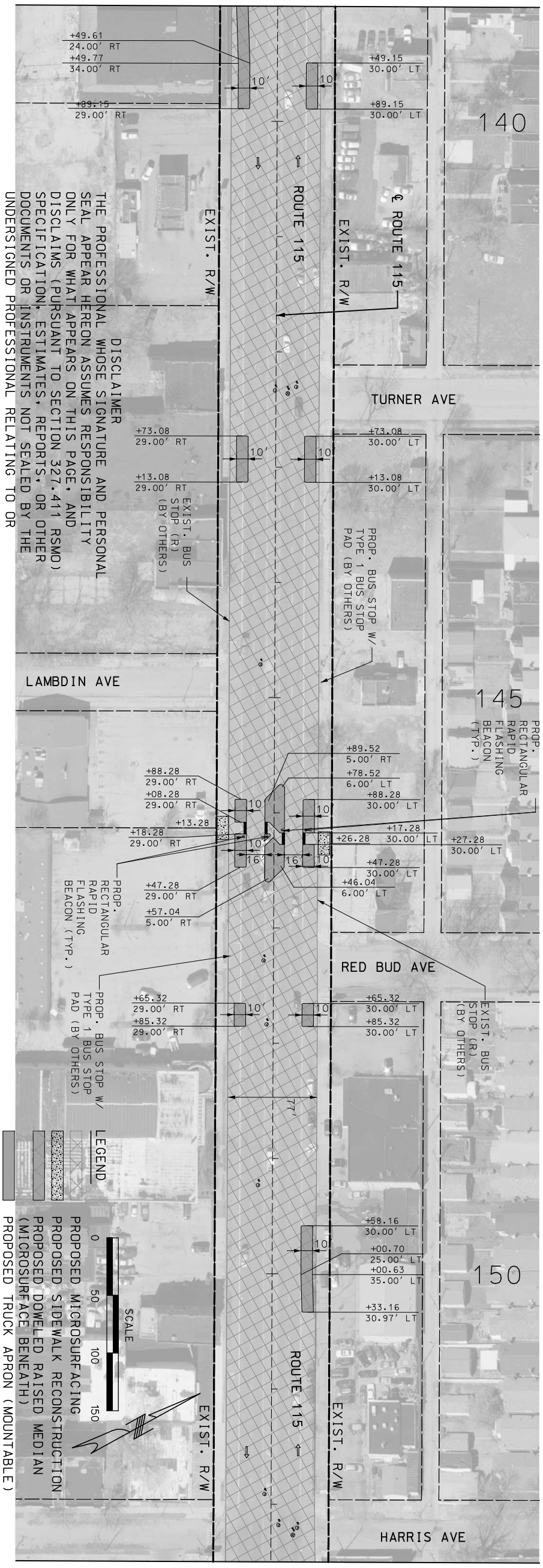
MATCHLINE STA. 125+50.00



MATCHLINE STA. 139+00.00

MATCHLINE STA. 139+00.00



MATCHLINE STA. 152+50.00

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ACCESS ENGINEERING LLC

#2000172588
CIVIL ENGINEERING
ENGINEERING CERTIFICATE OF AUTHORITY

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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

DATE	DESCRIPTION

BRIDGE NO.

PROJECT NO.

CONTRACT ID.

JOB NO. J6S3258

COUNTY ST LOUIS CITY

DISTRICT SL | SHEET NO. 10

ROUTE 115 | STATE MO

DATE PREPARED 3/12/2020

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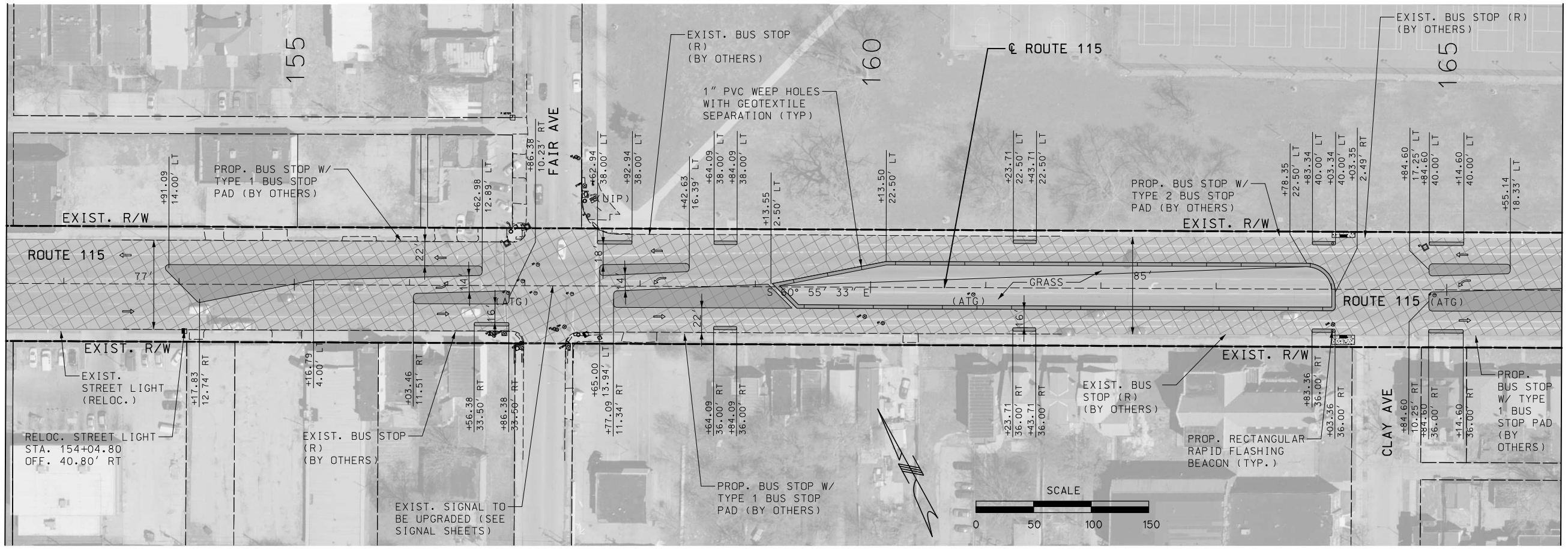
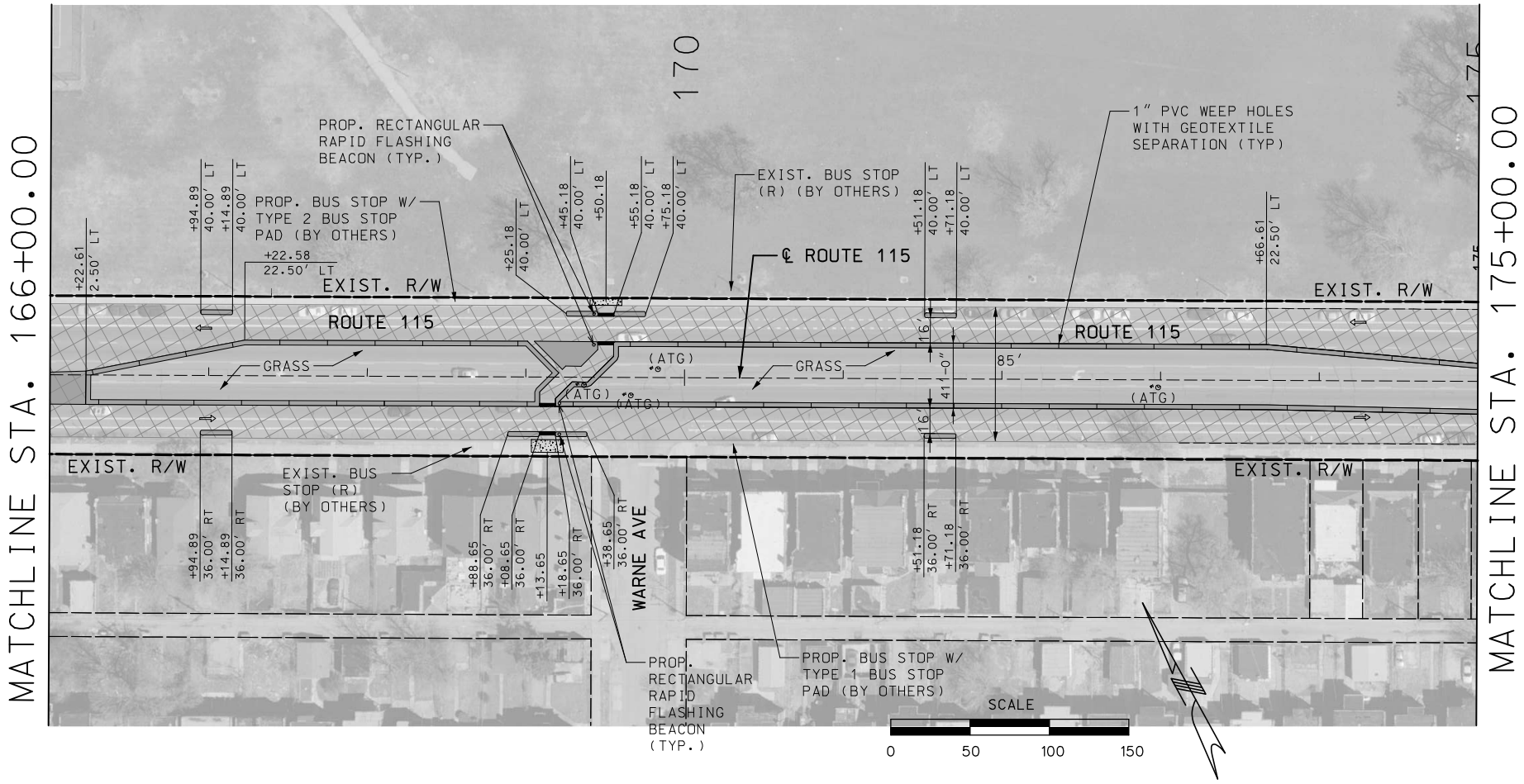
PLAN SHEET
ROUTE 115
SHEET 7 OF 14

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





LEGEND

- PROPOSED MICROSURFACING
- PROPOSED SIDEWALK RECONSTRUCTION
- PROPOSED DOWELED RAISED MEDIAN (MICROSURFACE BENEATH)
- PROPOSED RAISED MEDIAN
- PROPOSED TRUCK APRON (MOUNTABLE)
- PROPOSED TRUNCATED DOMES

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DATE PREPARED	
3/12/2020	
ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	11
COUNTY	
ST LOUIS CITY	
JOB NO.	
J6S3258	
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)

ACCESS ENGINEERING LLC
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PLAN SHEET
ROUTE 115
SHEET 8 OF 14

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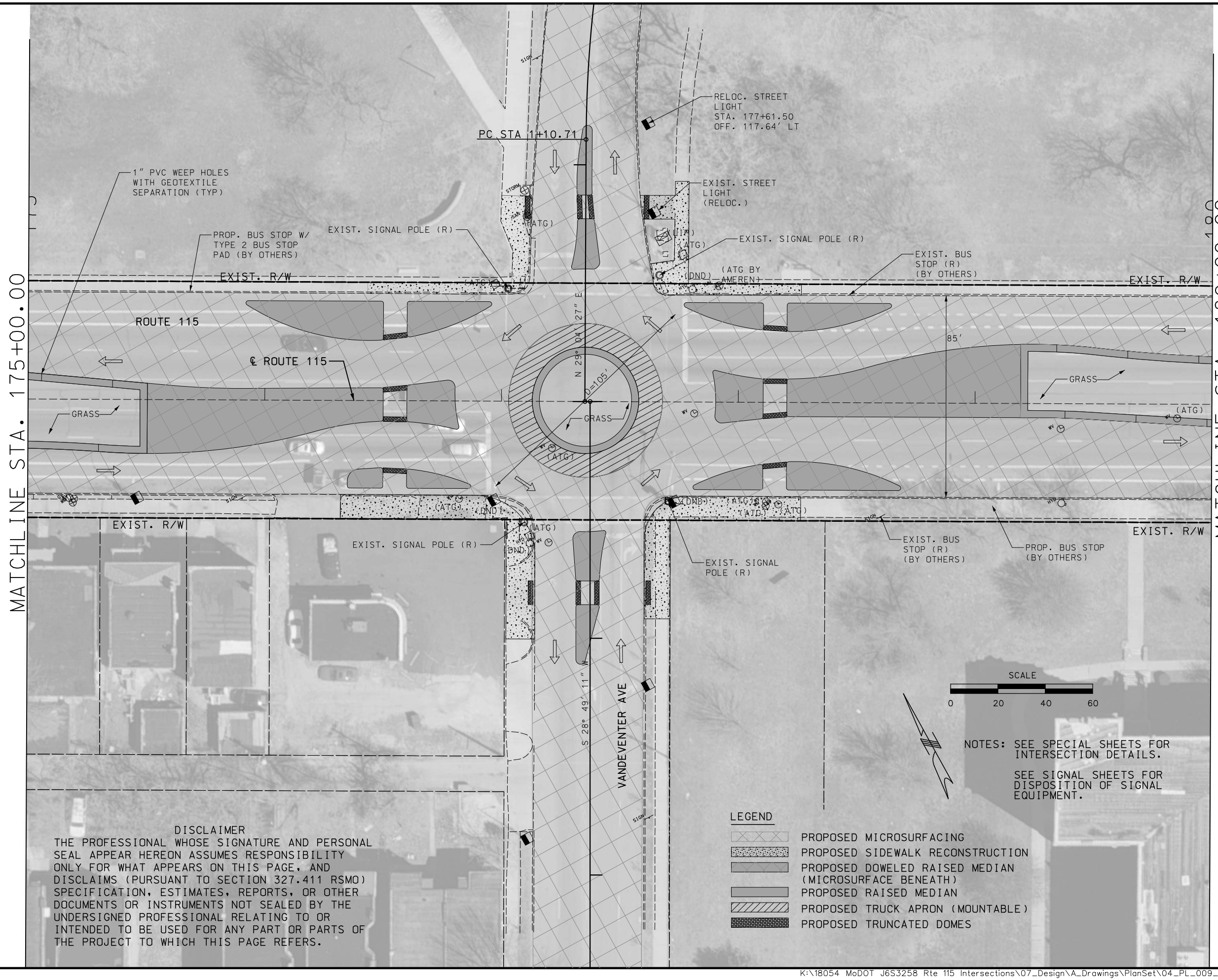

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DATE PREPARED	
3/12/2020	
ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	12
COUNTY	
ST LOUIS CITY	
JOB NO.	
J6S3258	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

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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PLAN SHEET
ROUTE 115
SHEET 9 OF 14

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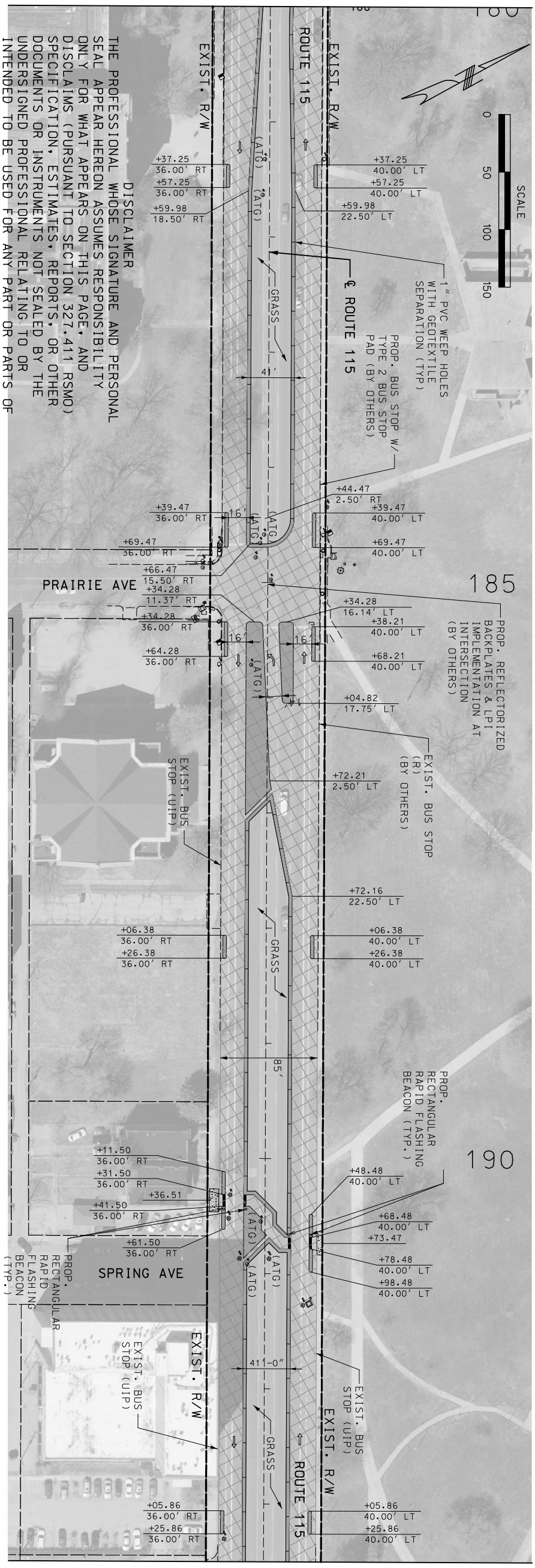
MATCHLINE STA. 180+00.00



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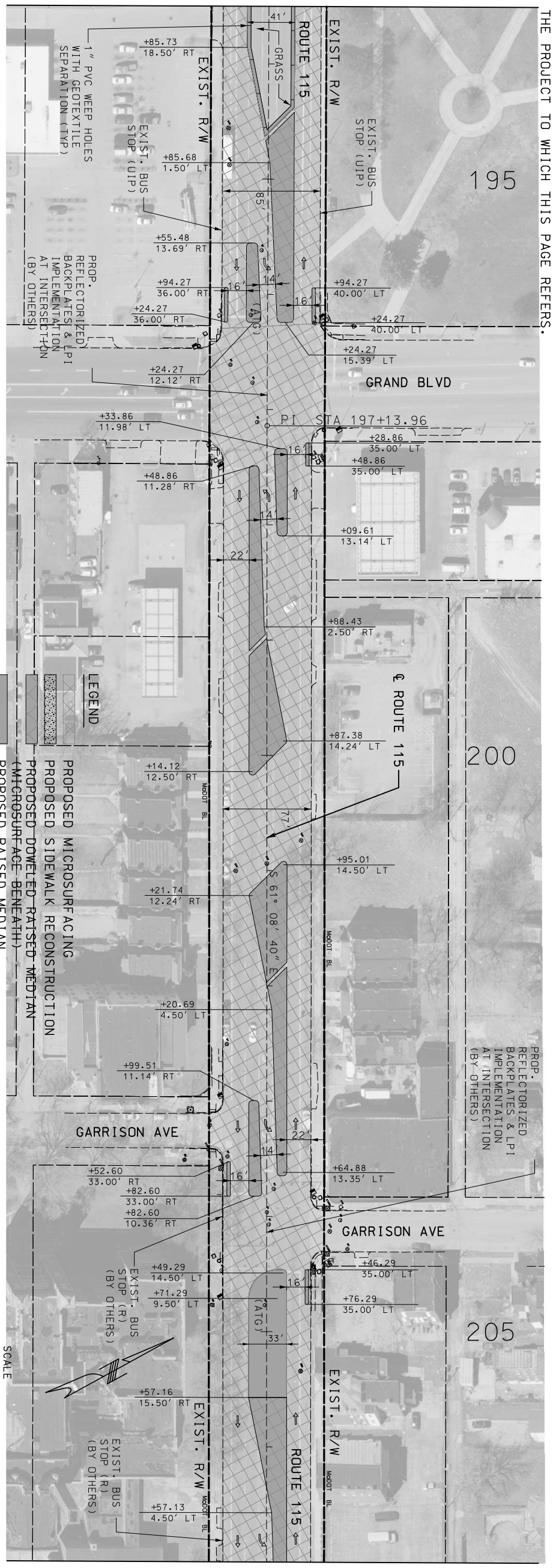

MATCHLINE STA. 207+00.00

LEGEND

- PROPOSED MICROSURFACING
- PROPOSED SIDEWALK RECONSTRUCTION
- PROPOSED DOWELLED RAISED MEDIAN (MICROSURFACE BENEATH)
- PROPOSED RAISED MEDIAN
- PROPOSED TRUCK APRON (MOUNTABLE)
- PROPOSED TRUNCATED DOMES

K:\18054 MoDOT J6S3258 Rte 115 Intersections\07_Design\A_Drawings\PlanSet\04_PL_010_J6S3258.dgn 2:39:37 PM 3/12/2020

PLAN SHEET
ROUTE 115
SHEET 10 OF 14

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DATE	DESCRIPTION

BRIDGE NO.
PROJECT NO.
CONTRACT ID.
JOB NO. J6S3258
COUNTY ST LOUIS CITY
DISTRICT SL
ROUTE 115
SHEET NO. 13
STATE MO
DATE PREPARED 3/12/2020

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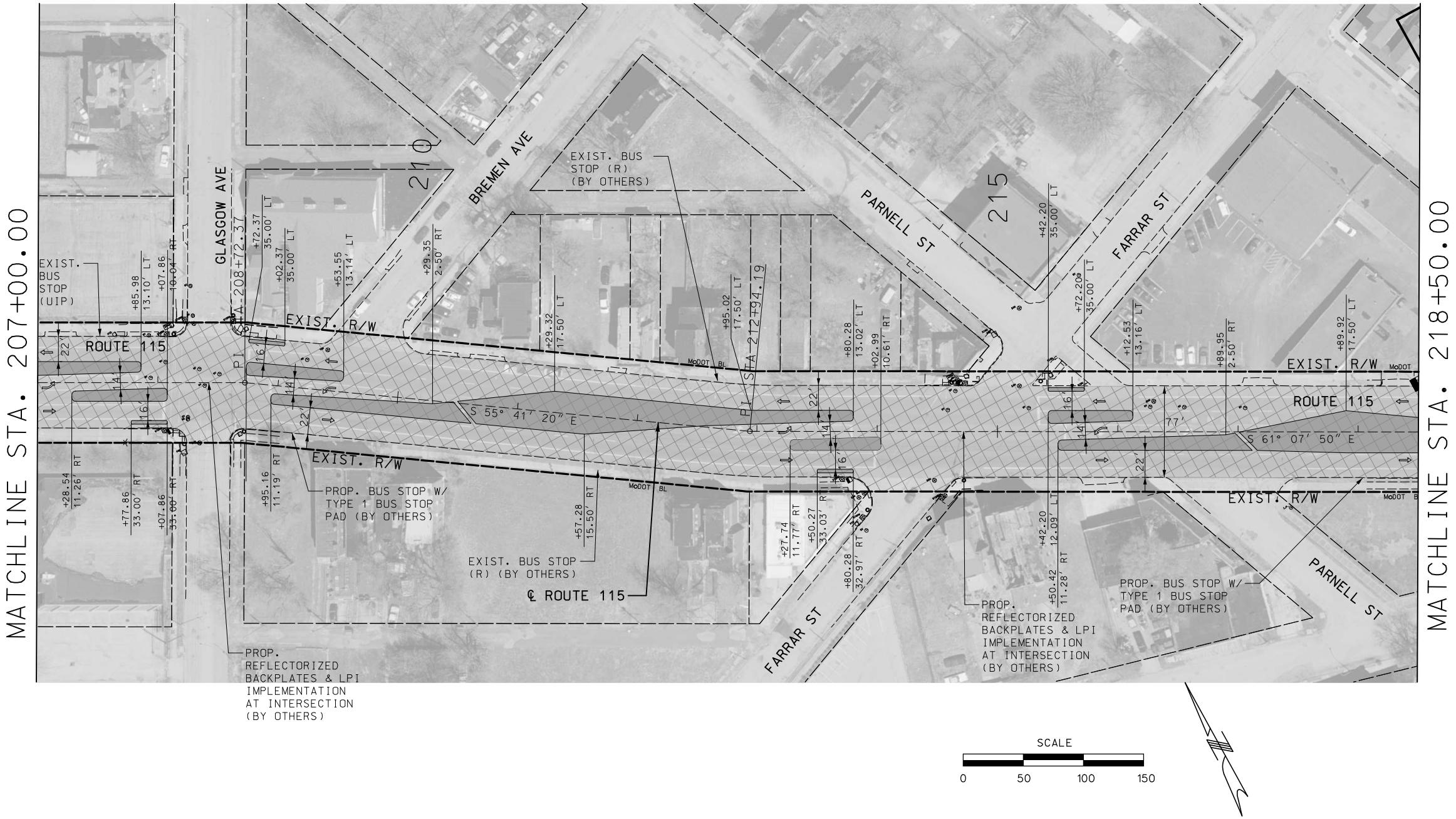

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- PROPOSED SIDEWALK RECONSTRUCTION
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DATE PREPARED	3/12/2020
ROUTE	115
STATE	MO
DISTRICT	SL
SHEET NO.	14
COUNTY	ST LOUIS CITY
JOB NO.	J6S3258
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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PLAN SHEET
ROUTE 115
SHEET 11 OF 14

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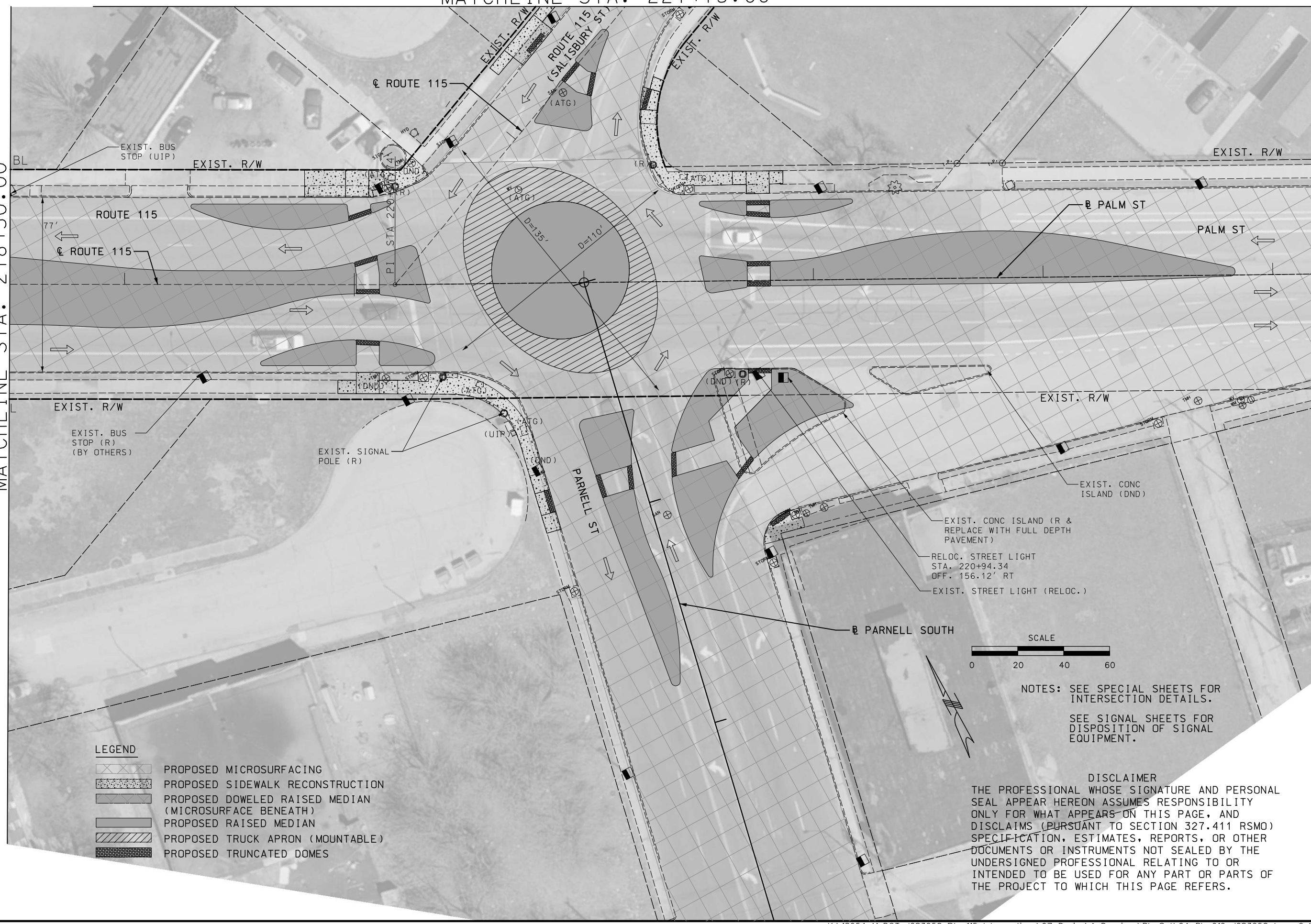

NOTES: SEE SPECIAL SHEETS FOR INTERSECTION DETAILS.

SEE SIGNAL SHEETS FOR DISPOSITION OF SIGNAL EQUIPMENT.

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DATE PREPARED	
3/12/2020	
ROUTE 115	STATE MO
DISTRICT SL	SHEET NO. 15
COUNTY ST LOUIS CITY	
JOB NO. J6S3258	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

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PLAN SHEET
ROUTE 115
SHEET 12 OF 14

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

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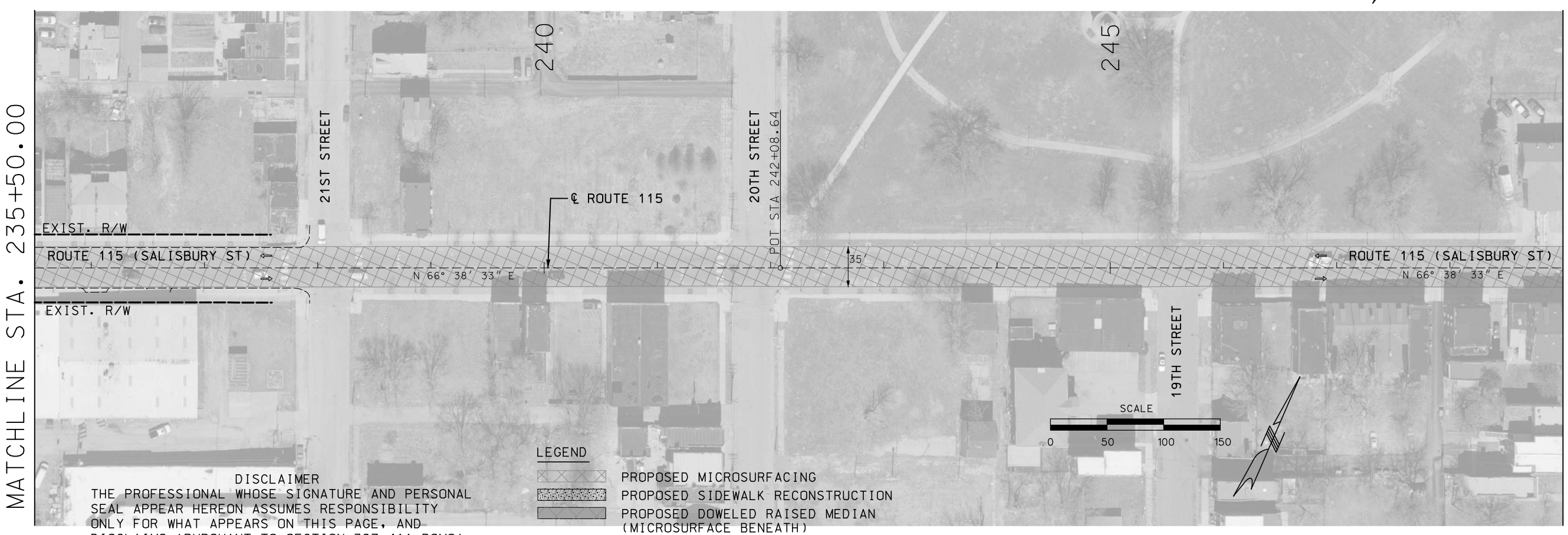

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LEGEND

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DATE PREPARED	3/12/2020
ROUTE	115
STATE	MO
DISTRICT	SL
SHEET NO.	16
COUNTY	ST LOUIS CITY
JOB NO.	J6S3258
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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PLAN SHEET
ROUTE 115
SHEET 13 OF 14

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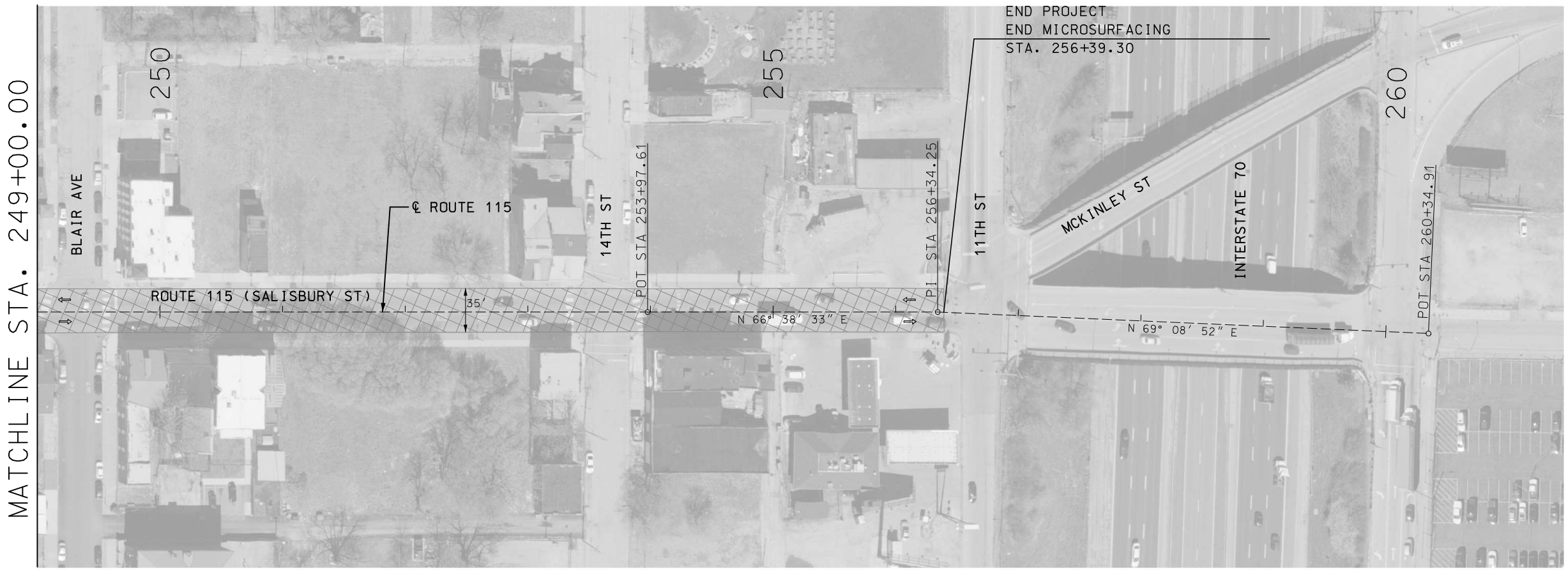

SCALE

0 50 100 150

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LEGEND

- PROPOSED MICROSURFACING
- PROPOSED SIDEWALK RECONSTRUCTION
- PROPOSED DOWELED RAISED MEDIAN (MICROSURFACE BENEATH)
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- PROPOSED TRUCK APRON (MOUNTABLE)
- PROPOSED TRUNCATED DOMES

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DATE PREPARED	3/12/2020
ROUTE	115
STATE	MO
DISTRICT	SL
SHEET NO.	17
COUNTY	ST LOUIS CITY
JOB NO.	J6S3258
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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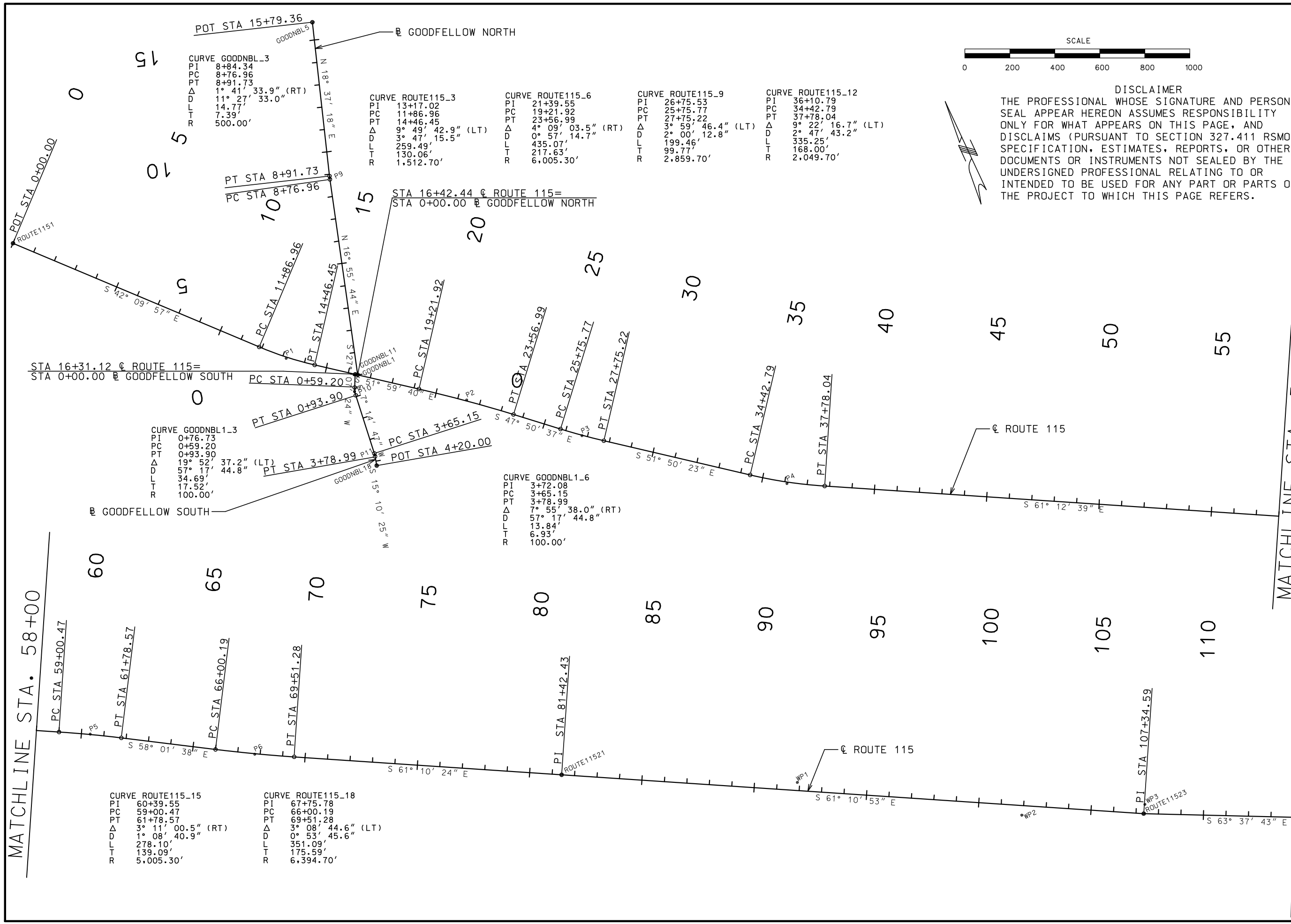
PLAN SHEET
ROUTE 115
SHEET 14 OF 14

K:\18054 MoDOT J6S3258 Rte 115 Intersections\07_Design\A_Drawings\PlanSet\04_PL_014_J6S3258.dgn 2:40:24 PM 3/12/2020



CURVE GOODNBL_3
PI 8+84.34
PC 8+76.96
PT 8+91.73
Δ 1° 41′ 33.9″ (RT)
D 11° 27′ 33.0″
L 14.77′
T 7.39′
R 500.00′

CURVE ROUTE115_3
PI 13+17.02
PC 11+86.96
PT 14+46.45
Δ 9° 49′ 42.9″ (LT)
D 3° 47′ 15.5″
L 259.49′
T 130.06′
R 1,512.70′

CURVE ROUTE115_6
PI 21+39.55
PC 19+21.92
PT 23+56.99
Δ 4° 09′ 03.5″ (RT)
D 0° 57′ 14.7″
L 435.07′
T 217.63′
R 6,005.30′

CURVE ROUTE115_9
PI 26+75.53
PC 25+75.77
PT 27+75.22
Δ 3° 59′ 46.4″ (LT)
D 2° 00′ 12.8″
L 199.46′
T 99.77′
R 2,859.70′

CURVE ROUTE115_12
PI 36+10.79
PC 34+42.79
PT 37+78.04
Δ 9° 22′ 16.7″ (LT)
D 2° 47′ 43.2″
L 335.25′
T 168.00′
R 2,049.70′

CURVE GOODNBL1_3
PI 0+76.73
PC 0+59.20
PT 0+93.90
Δ 19° 52′ 37.2″ (LT)
D 57° 17′ 44.8″
L 34.69′
T 17.52′
R 100.00′

CURVE GOODNBL1_6
PI 3+72.08
PC 3+65.15
PT 3+78.99
Δ 7° 55′ 38.0″ (RT)
D 57° 17′ 44.8″
L 13.84′
T 6.93′
R 100.00′

CURVE ROUTE115_15
PI 60+39.55
PC 59+00.47
PT 61+78.57
Δ 3° 11′ 00.5″ (RT)
D 1° 08′ 40.9″
L 278.10′
T 139.09′
R 5,005.30′

CURVE ROUTE115_18
PI 67+75.78
PC 66+00.19
PT 69+51.28
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D 0° 53′ 45.6″
L 351.09′
T 175.59′
R 6,394.70′

SCALE
0 200 400 600 800 1000

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DATE PREPARED	
3/12/2020	
ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	18
COUNTY	
ST LOUIS CITY	
JOB NO.	
J6S3258	
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)

ACCESS ENGINEERING LLC
11820 TESSON FERRY ROAD
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ST. LOUIS, MO 63128
(314) 849-8445
#2000172588
CIVIL ENGINEERING
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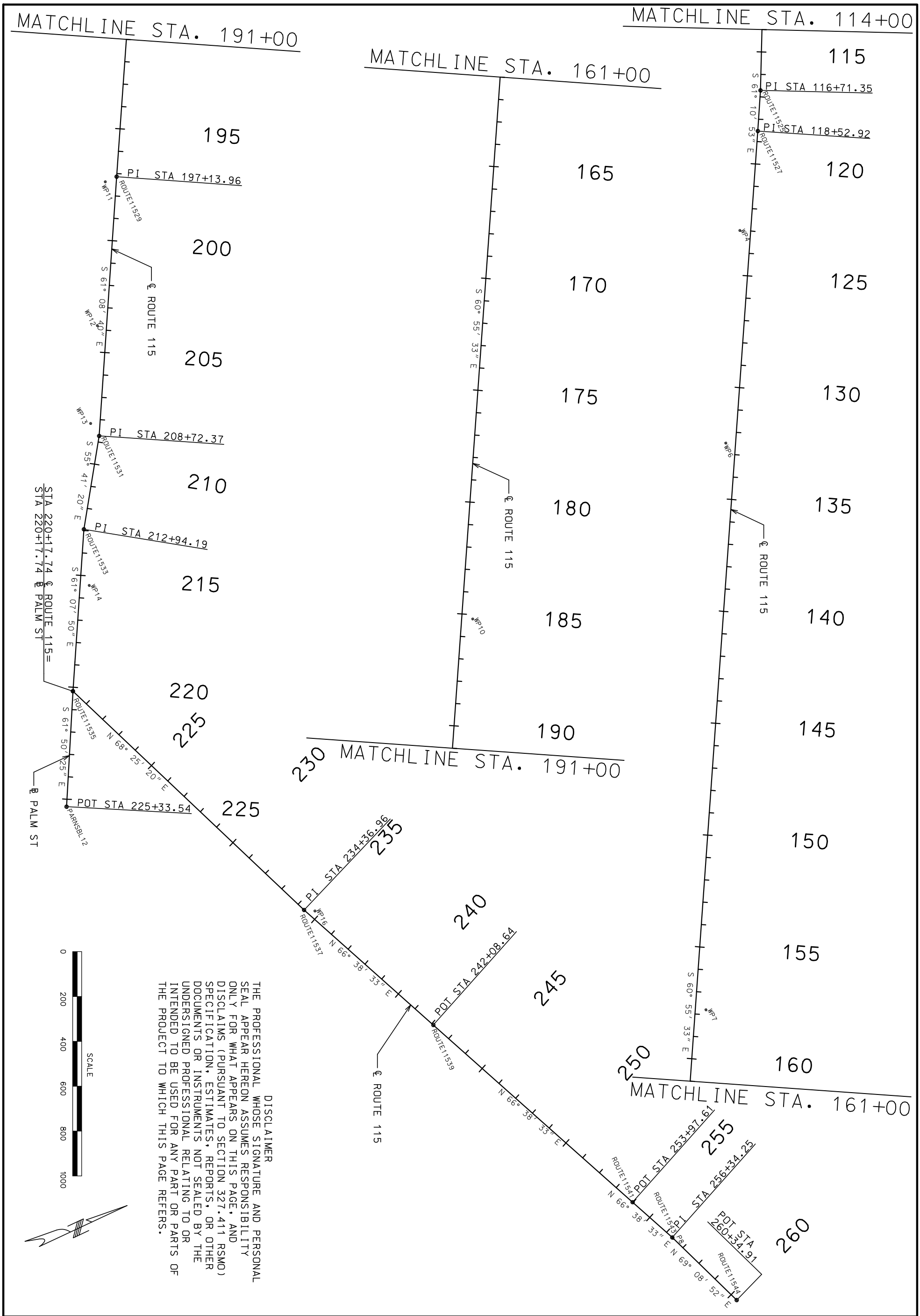
GEOMETRY SHEET
ROUTE 115
SHEET 1 OF 5



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GEOMETRY SHEET
ROUTE 115
SHEET 2 OF 5

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

DATE	DESCRIPTION

BRIDGE NO.
PROJECT NO.
CONTRACT ID.
JOB NO. J6S3258
COUNTY ST LOUIS CITY
DISTRICT SL
SHEET NO. 19
ROUTE 115
STATE MO
DATE PREPARED 3/12/2020

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COORDINATE POINT LISTING - MISSOURI COORDINATE SYSTEM OF 1983

SHEET NO	STATION	LOCATION	* OFFSET (FEET)	MODIFIED STATE PLANE (GROUND) NORTHING (FEET)	EASTING (FEET)	ELEVATION	STATE PLANE ZONE	DESCRIPTION	GPK POINT ID	VERTICAL	GEOID MODEL
ALIGNMENT											
GM_001	0+00.00	ROUTE 115	0	N 1039987.1647	E 884435.6372		EAST	POT/BEGIN PROJECT	ROUTE1151		
GM_001	13+17.02	ROUTE 115	5.58	N 1039010.9796	E 885319.7277		EAST	PI	P1		
GM_001	21+39.55	ROUTE 115	-3.94	N 1038504.1267	E 885968.3396		EAST	PI	P2		
GM_001	26+75.53	ROUTE 115	1.74	N 1038144.2683	E 886365.8138		EAST	PI	P3		
GM_001	36+10.79	ROUTE 115	6.87	N 1037566.3583	E 887101.2507		EAST	PI	P4		
GM_001	60+39.55	ROUTE 115	-1.93	N 1036396.3290	E 889230.4719		EAST	PI	P5		
GM_001	67+75.78	ROUTE 115	2.41	N 1036006.4510	E 889855.0710		EAST	PI	P6		
GM_001	81+42.43	ROUTE 115	0	N 1035347.4567	E 891052.4503		EAST	PI	ROUTE11521		
GM_001	107+34.59	ROUTE 115	0	N 1034097.9353	E 893323.5688		EAST	PI	ROUTE11523		
GM_002	116+71.35	ROUTE 115	0	N 1033681.8354	E 894162.8467		EAST	PI	ROUTE11525		
GM_002	118+52.92	ROUTE 115	0	N 1033594.3154	E 894321.9229		EAST	PI	ROUTE11527		
GM_002	197+13.96	ROUTE 115	0	N 1029774.3038	E 901192.4025		EAST	PI	ROUTE11529		
GM_002	208+72.37	ROUTE 115	0	N 1029215.2516	E 902206.9851		EAST	PI	ROUTE11531		
GM_002	212+94.19	ROUTE 115	0	N 1028977.4796	E 902555.4013		EAST	PI	ROUTE11533		
GM_002	220+17.74	ROUTE 115	0	N 1028628.1379	E 903189.0322		EAST	PI	ROUTE11535		
GM_002	234+36.96	ROUTE 115	0	N 1029150.0785	E 904508.7957		EAST	PI	ROUTE11537		
GM_002	242+08.64	ROUTE 115	0	N 1029456.0211	E 905217.2319		EAST	PI	ROUTE11539		
GM_002	253+97.61	ROUTE 115	0	N 1029927.4060	E 906308.7635		EAST	PI	ROUTE11541		
GM_002	256+34.25	ROUTE 115	0	N 1030021.2281	E 906526.0165		EAST	PI	ROUTE11543		
GM_002	256+39.30	ROUTE 115	0	N 1030023.0247	E 906530.7334		EAST	POT/END PROJECT	P8		
GM_002	260+34.91	ROUTE 115	0	N 1030163.8469	E 906900.4346		EAST	POT	ROUTE11544		
GM_001	0+00.00	RTE 115/GOODFELLOW N	0	N 1038810.2172	E 885576.6403		EAST	POT	GOODNBL1		
GM_001	8+84.34	GOODFELLOW N	-0.05	N 1039656.2395	E 885834.1471		EAST	PI	P9		
GM_001	15+79.36	GOODFELLOW N	0	N 1040314.8720	E 886056.0780		EAST	POT	GOODNBL5		
GM_001	0+00.00	RTE 115/GOODFELLOW S	0	N 1038817.1875	E 885567.7205		EAST	POT	GOODNBL11		
GM_001	0+76.73	GOODFELLOW S	1.52	N 1038748.8987	E 885532.7403		EAST	PI	P10		
GM_001	3+72.08	GOODFELLOW S	-0.24	N 1038455.5543	E 885495.4409		EAST	PI	P11		
GM_001	4+20.00	GOODFELLOW S	0	N 1038409.2847	E 885482.8926		EAST	POT	GOODNBL18		
GM_002	225+33.54	PALM ST	0	N 1028384.7181	E 903643.7764		EAST	POT	PARNSBL12		
TIES											
GM_001	91+89.55	ROUTE 115	-35.89	N 1034874.1500	E 891987.1880		EAST		WP1		
GM_001	101+94.27	ROUTE 115	42.92	N 1034320.7820	E 892829.4790		EAST		WP2		
GM_001	107+38.94	ROUTE 115	-40.95	N 1034132.6910	E 893345.6520		EAST		WP3		
GM_002	123+00.88	ROUTE 115	48.46	N 1033334.2740	E 894689.8890		EAST		WP4		
GM_002	132+50.91	ROUTE 115	43.63	N 1032876.8350	E 895522.5550		EAST		WP6		
GM_002	157+77.45	ROUTE 115	-47.62	N 1031728.8380	E 897775.0740		EAST		WP7		
GM_002	185+18.70	ROUTE 115	-49.29	N 1030398.2060	E 900171.7120		EAST		WP10		
GM_002	197+39.84	ROUTE 115	48.96	N 1029718.9310	E 901191.4430		EAST		WP11		
GM_002	203+82.23	ROUTE 115	41.05	N 1029415.8390	E 901757.8930		EAST		WP12		
GM_002	208+19.53	ROUTE 115	41.66	N 1029204.2660	E 902140.5970		EAST		WP10		
GM_002	215+42.23	ROUTE 115	-40.85	N 1028893.4960	E 902792.3440		EAST		WP11		
GM_002	234+76.24	ROUTE 115	-28.90	N 1029192.1790	E 904533.3990		EAST		WP12		

* GROUND DISTANCE

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Coordinated Point Sheet
Sheet 1 of 1

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DATE PREPARED 3/12/2020
ROUTE 115 | STATE MO
DISTRICT SL | SHEET NO. 20
COUNTY ST LOUIS CITY
JOB NO. J6S3258
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

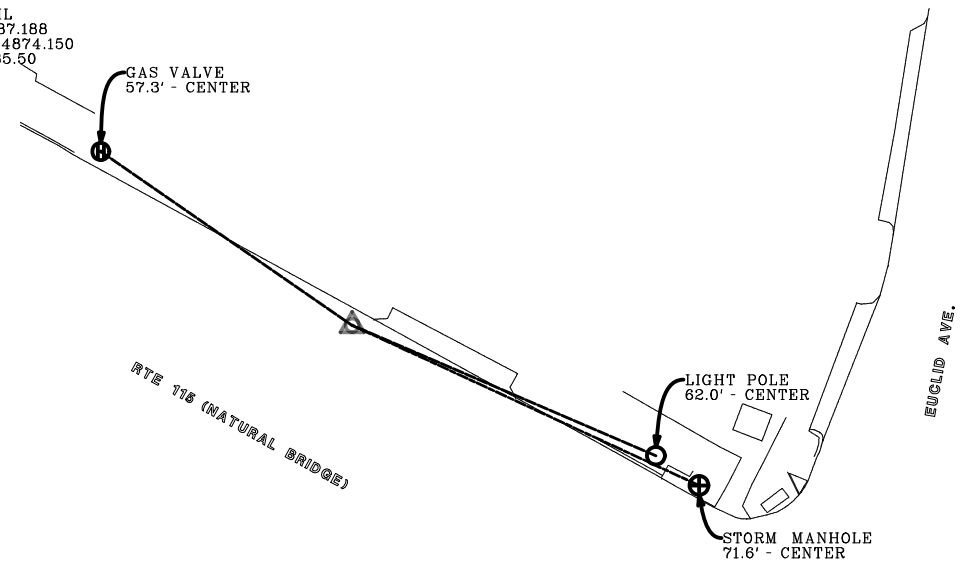
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

ACCESS ENGINEERING LLC
11820 TESSON FERRY ROAD
SUITE 203
ST. LOUIS, MO 63128
(314) 849-8445
#2000172588
CIVIL ENGINEERING
ENGINEERING CERTIFICATE OF AUTHORITY

GEOMETRY SHEET
ROUTE 115
SHEET 3 OF 5

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

W.P. #1 - PK NAIL
EASTING = 891987.188
NORTHING = 1034874.150
ELEVATION = 485.50



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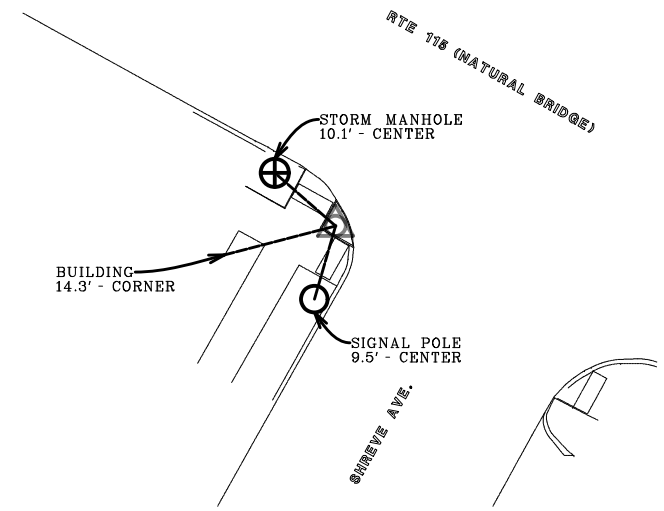
NORTHING = 1034320.782
ELEVATION = 480.43



W.P. #3 - PK NAIL
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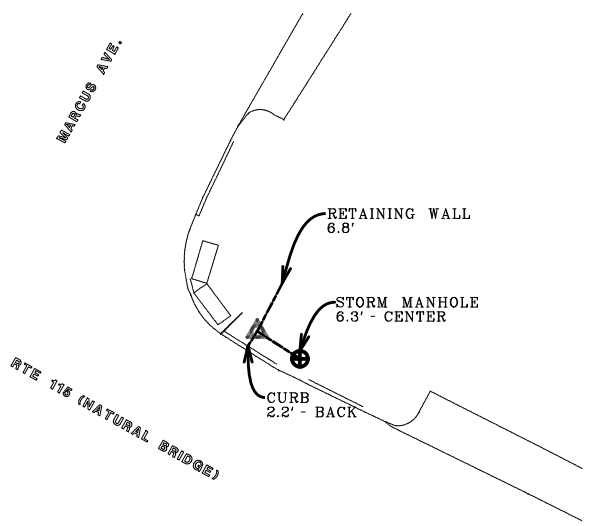
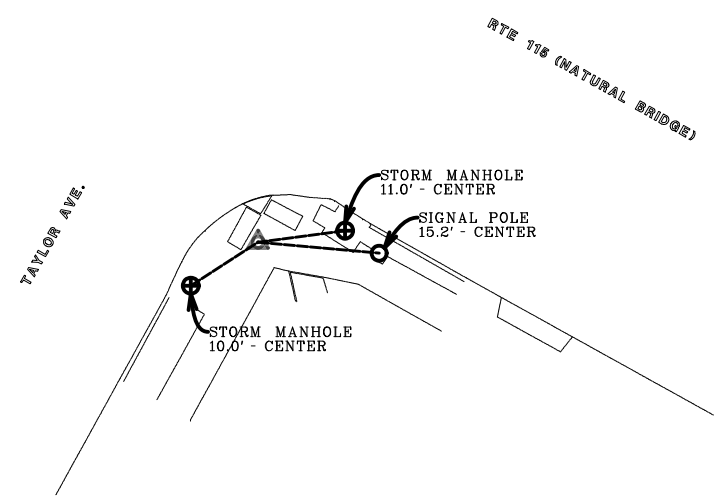
ELEVATION = 469.86



W.P. #4 - PK NAIL
EASTING = 894689.889
NORTHING = 1033334.274
ELEVATION = 513.88



W.P. #6 - PK NAIL
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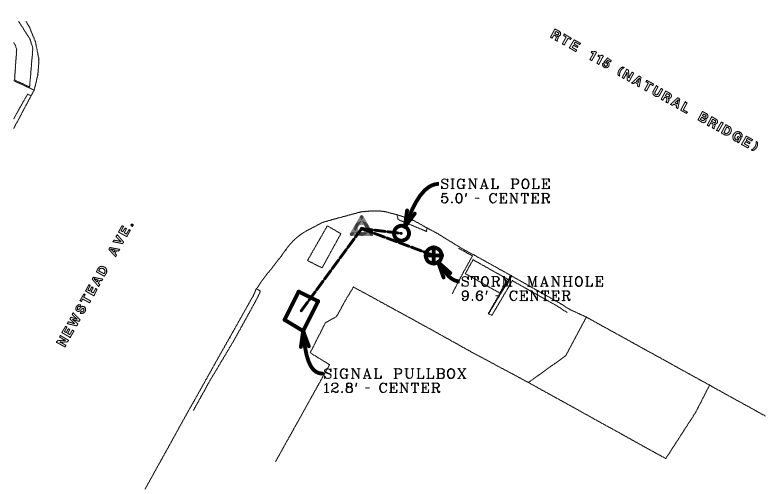
ELEVATION = 513.85



W.P. #7 - PK NAIL
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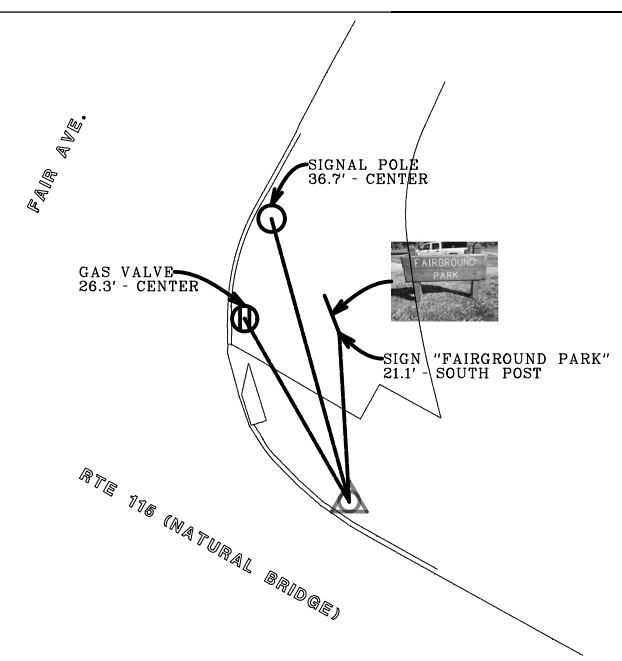
NORTHING = 1031728.838
ELEVATION = 491.82



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DATE PREPARED	3/12/2020
ROUTE	115
STATE	MO
DISTRICT	SL
SHEET NO.	21
COUNTY	ST LOUIS CITY
JOB NO.	J6S3258
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

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

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

ACCESS ENGINEERING LLC
11820 TESSON FERRY ROAD
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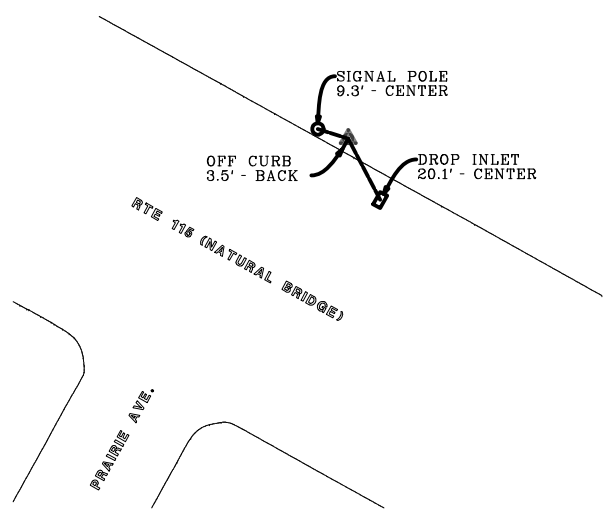
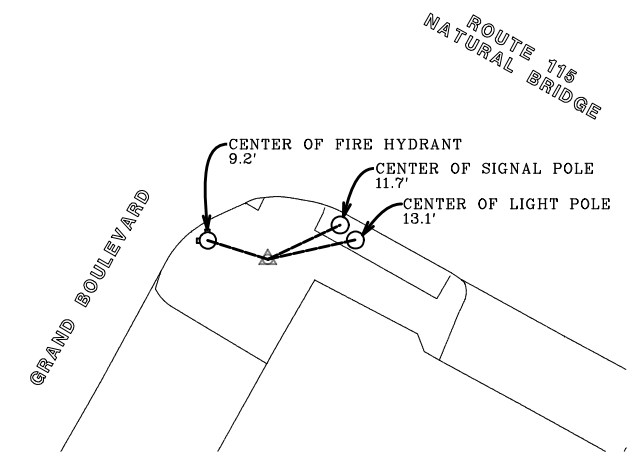
ST. LOUIS, MO 63128
(314) 849-8445
#2000172688
CIVIL ENGINEERING
ENGINEERING CERTIFICATE OF AUTHORITY

GEOMETRY SHEET
ROUTE 115
SHEET 4 OF 5

W.P. #10 - PK NAIL
EASTING - 900171.712
NORTHING - 1030398.206
ELEVATION - 496.60



W.P. #11 - PK NAIL
EASTING - 901191.443
NORTHING - 1029718.931
ELEVATION - 498.60



W.P. #12 - PK NAIL
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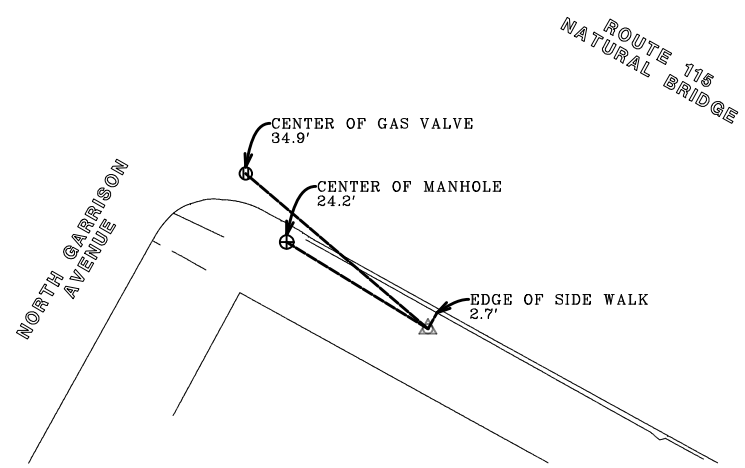
NORTHING - 1029415.839
ELEVATION - 497.12



W.P. #13 - PK NAIL
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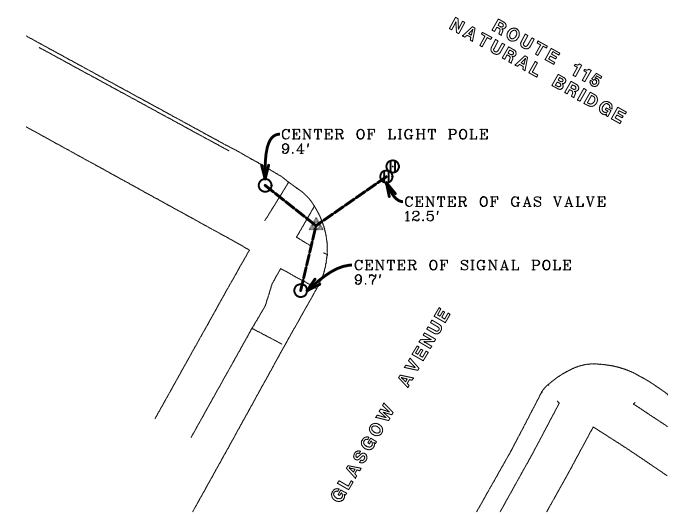
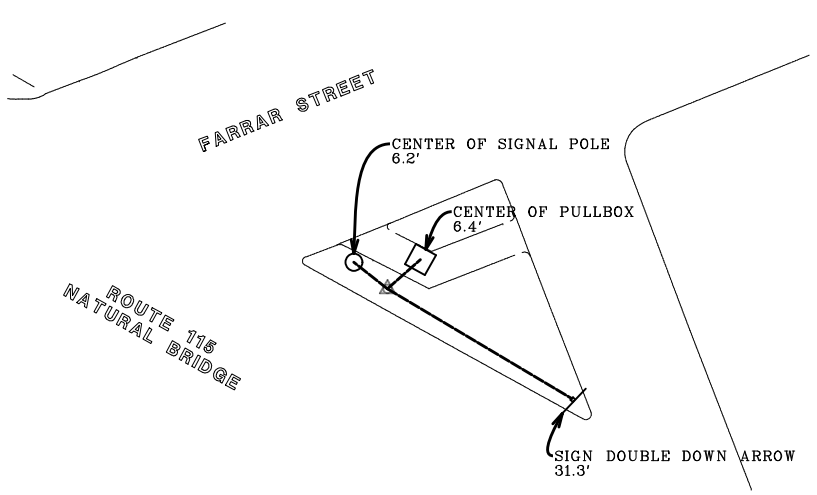
NORTHING - 1029204.266
ELEVATION - 494.67



W.P. #14 - PK NAIL
EASTING - 902792.344
NORTHING - 1028893.496
ELEVATION - 476.23



W.P. #16 - PK NAIL
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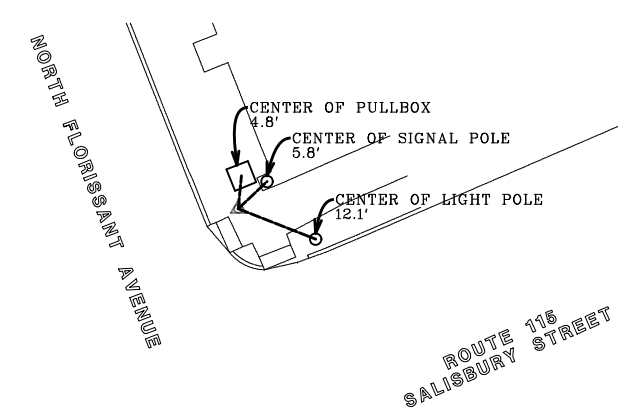
NORTHING - 1029192.179
ELEVATION - 485.58



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DATE PREPARED	
3/12/2020	
ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	22
COUNTY	
ST LOUIS CITY	
JOB NO.	
J6S3258	
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)

ACCESS ENGINEERING LLC
11820 TESSON FERRY ROAD
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ST. LOUIS, MO 63128
(314) 849-8445
#2000172588
CIVIL ENGINEERING
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GEOMETRY SHEET
ROUTE 115
SHEET 5 OF 5

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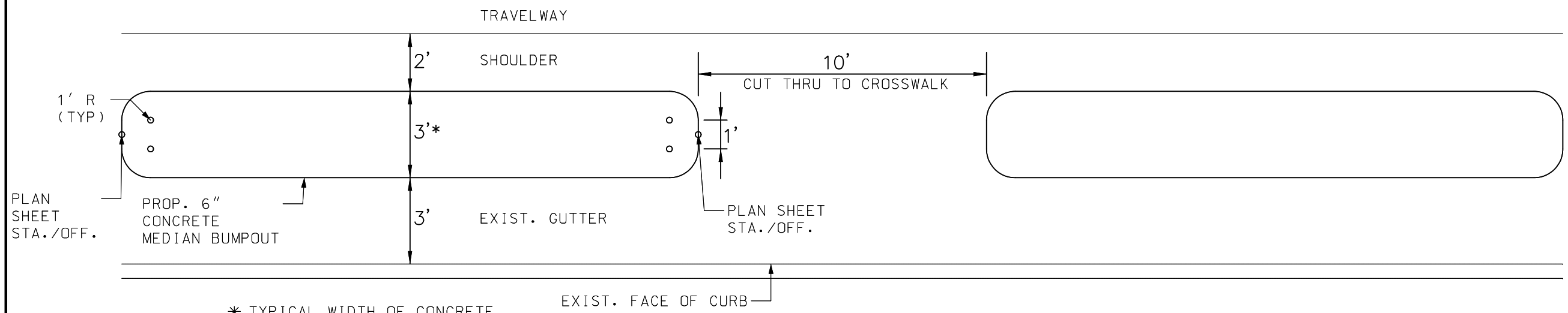
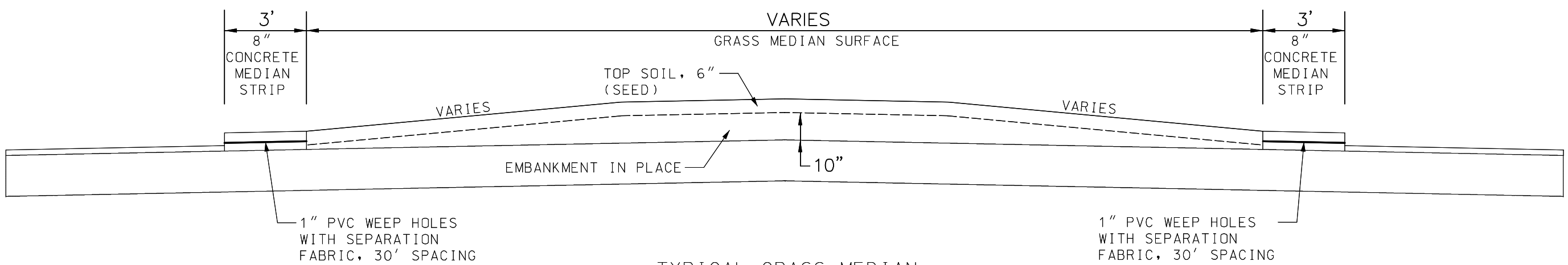


* TYPICAL WIDTH OF CONCRETE MEDIAN BUMPOUT IS 3' UNLESS SPECIFIED OTHERWISE ON PLANS.

TYPICAL CONCRETE MEDIAN BUMPOUT



TYPICAL GRASS MEDIAN

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ROADWAY DETAILS
NOT TO SCALE

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DATE PREPARED	3/12/2020
ROUTE	115
STATE	MO
DISTRICT	SL
SHEET NO.	23
COUNTY	ST LOUIS CITY
JOB NO.	J6S3258
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)

ACCESS ENGINEERING LLC
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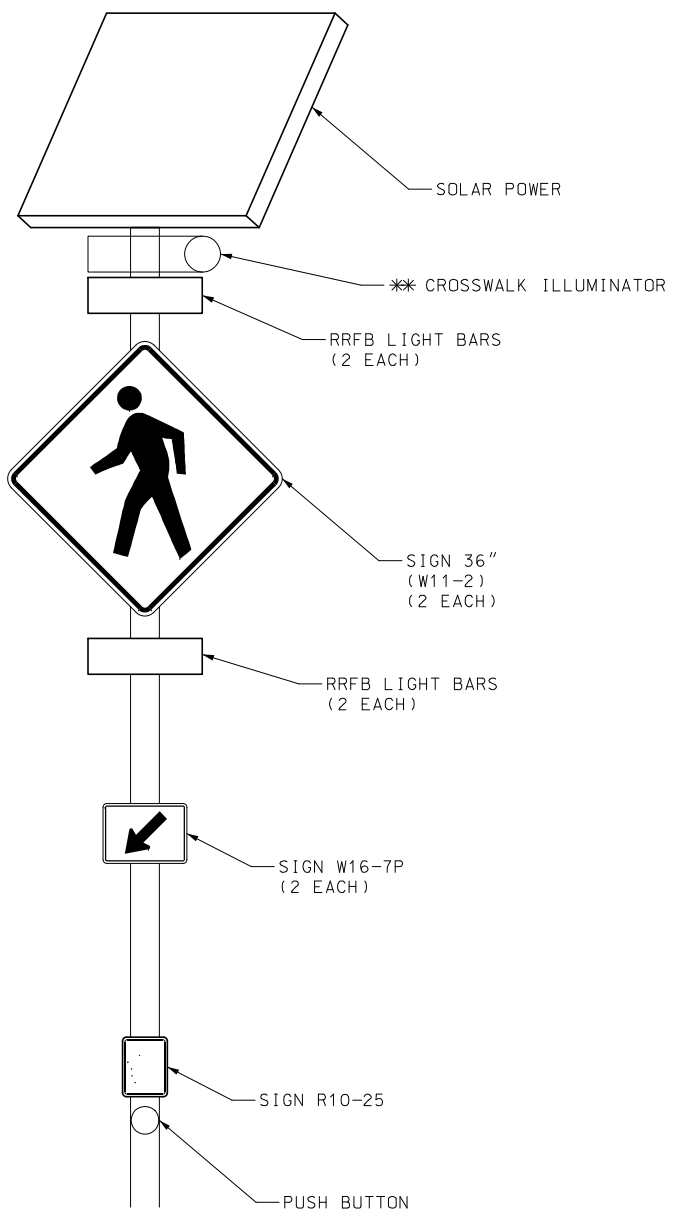
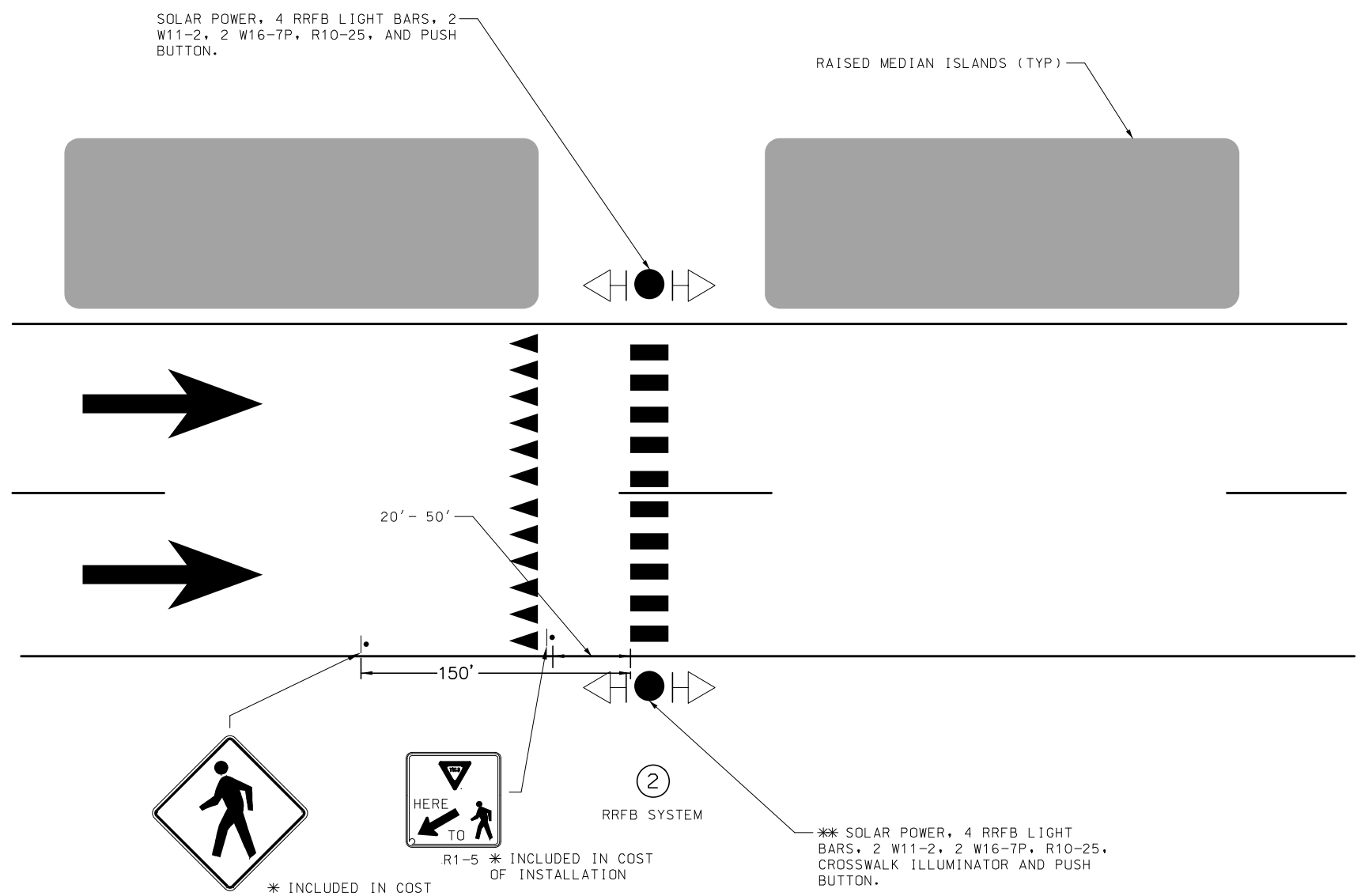
SPECIAL SHEETS
ROUTE 115
SHEET 1 OF 30



1

USED WITH A TYPE C POST BASE (STANDARD PLANS 902.30P)

NOT TO SCALE



✳ ACTUAL ADVANCED SIGN LOCATION WILL BE BASED ON FIELD CONDITIONS AND DETERMINED BY THE ENGINEER.

✳✳ ILLUMINATOR WILL BE INSTALLED ON THE POST LOCATED AT THE OUTSIDE SHOULDER AND INCLUDED IN COST OF INSTALLATION.

✳✳✳ SIGNING IN BOTH THE EASTBOUND AND WESTBOUND DIRECTIONS SHALL BE INCLUDED IN COST OF INSTALLATION AT CLAY AVENUE LOCATION.

9' PED CROSSWALK

12" WIDE YIELD LINE

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RECTANGULAR RAPID FLASHING BEACON WITH CROSSWALK ILLUMINATOR

RECTANGULAR RAPID FLASHING BEACON DETAIL

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DATE PREPARED	3/12/2020
ROUTE	115
STATE	MO
DISTRICT	SL
SHEET NO.	24
COUNTY	ST LOUIS CITY
JOB NO.	J6S3258
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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

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SPECIAL SHEETS
ROUTE 115
SHEET 2 OF 30

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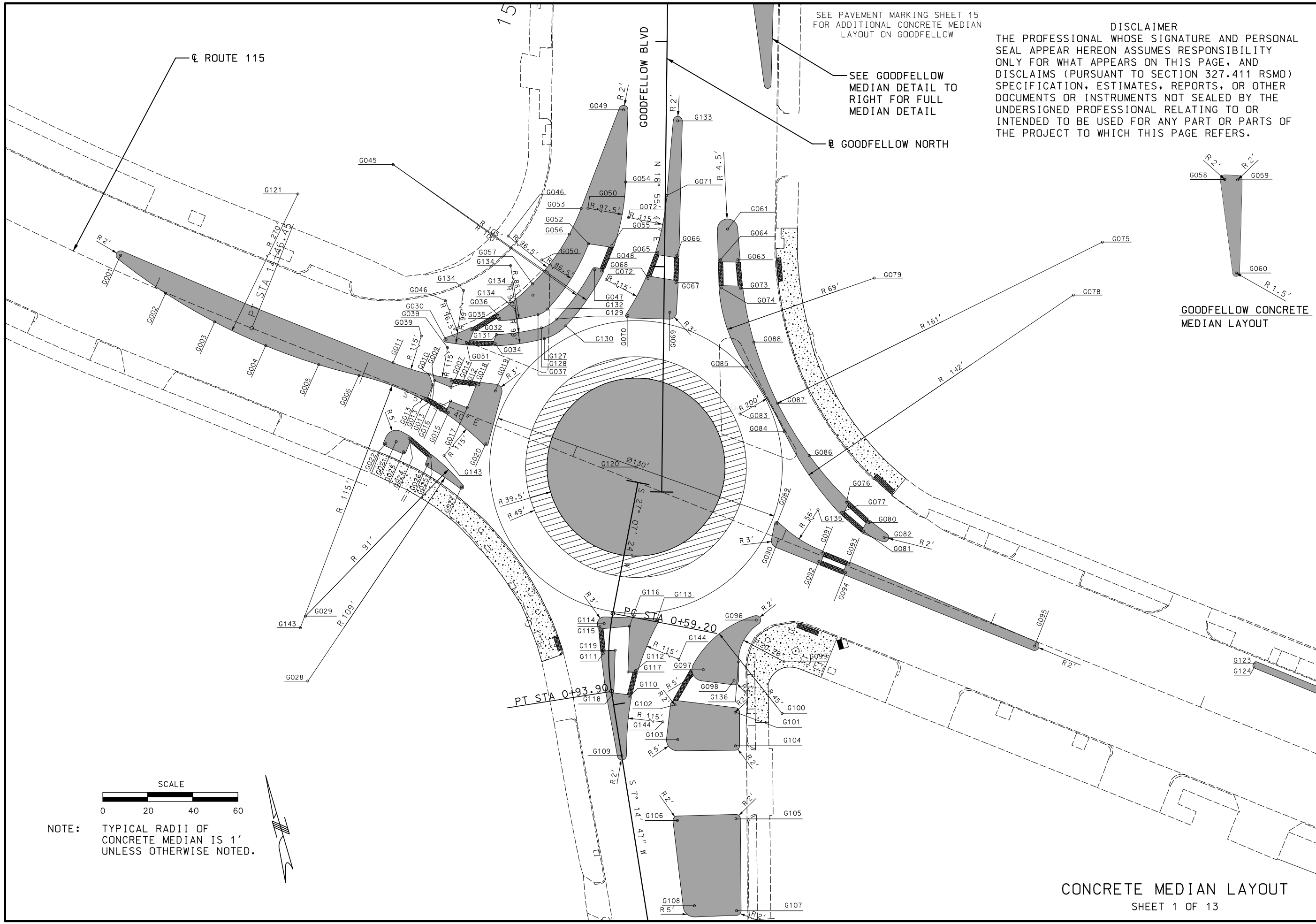

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NOTE: TYPICAL RADII OF CONCRETE MEDIAN IS 1' UNLESS OTHERWISE NOTED.

CONCRETE MEDIAN LAYOUT

SHEET 1 OF 13

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DATE PREPARED	3/12/2020
ROUTE	115
STATE	MO
DISTRICT	SL
SHEET NO.	25
COUNTY	ST LOUIS CITY
JOB NO.	J6S3258
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)

ACCESS ENGINEERING LLC

11820 TESSON FERRY ROAD
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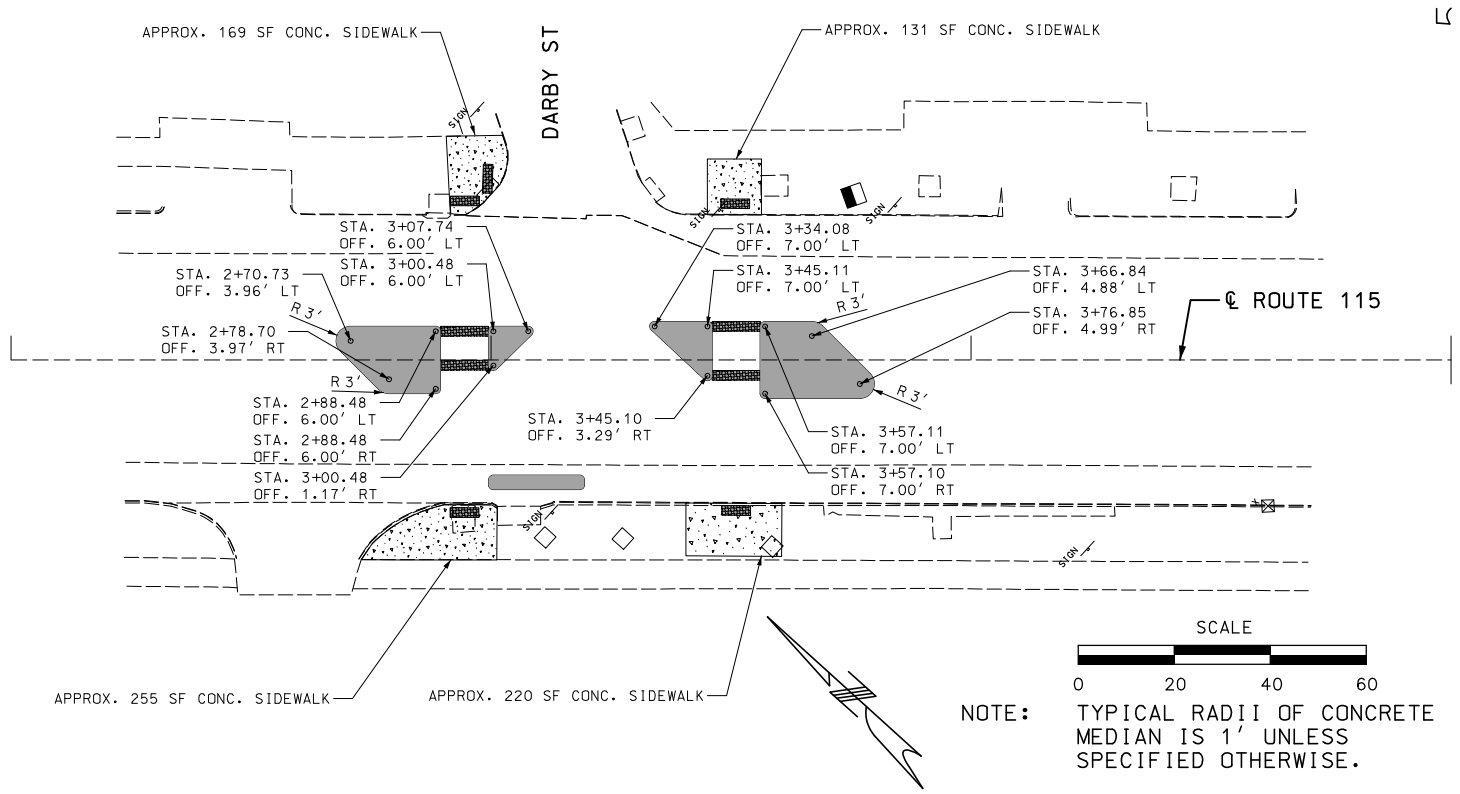
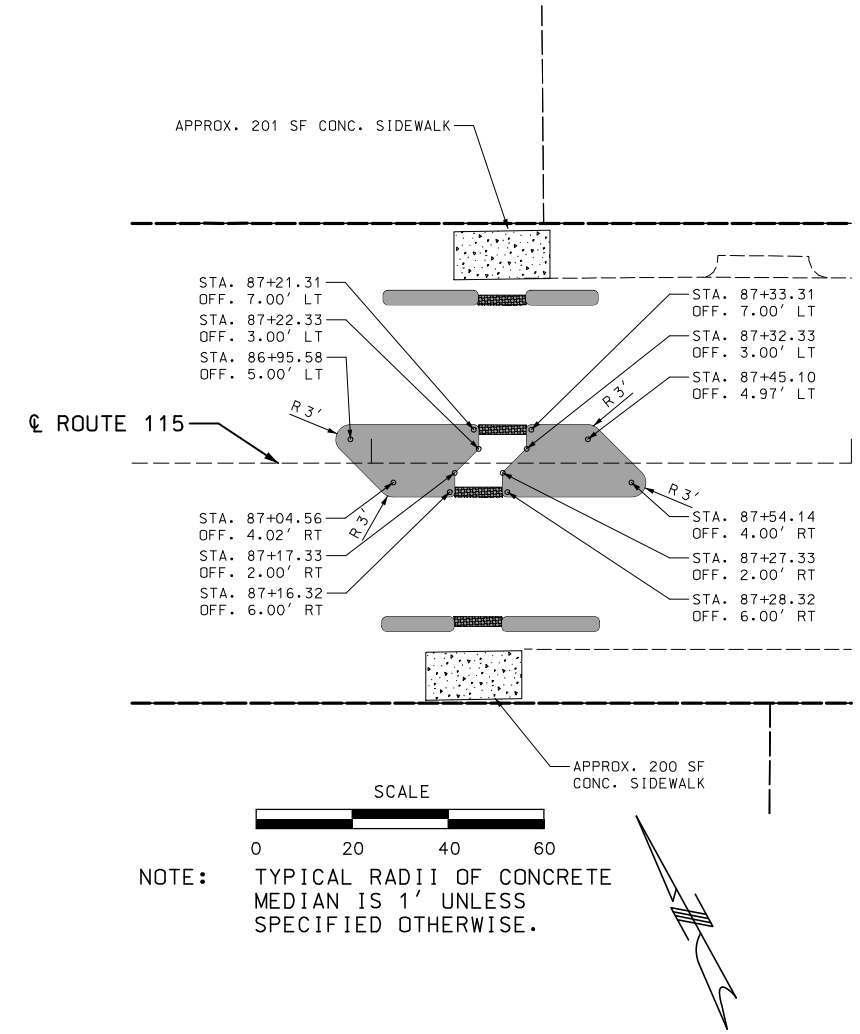
SPECIAL SHEET
ROUTE 115
SHEET 3 OF 30

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



NOTE: TYPICAL RADII OF CONCRETE MEDIAN IS 1' UNLESS SPECIFIED OTHERWISE.



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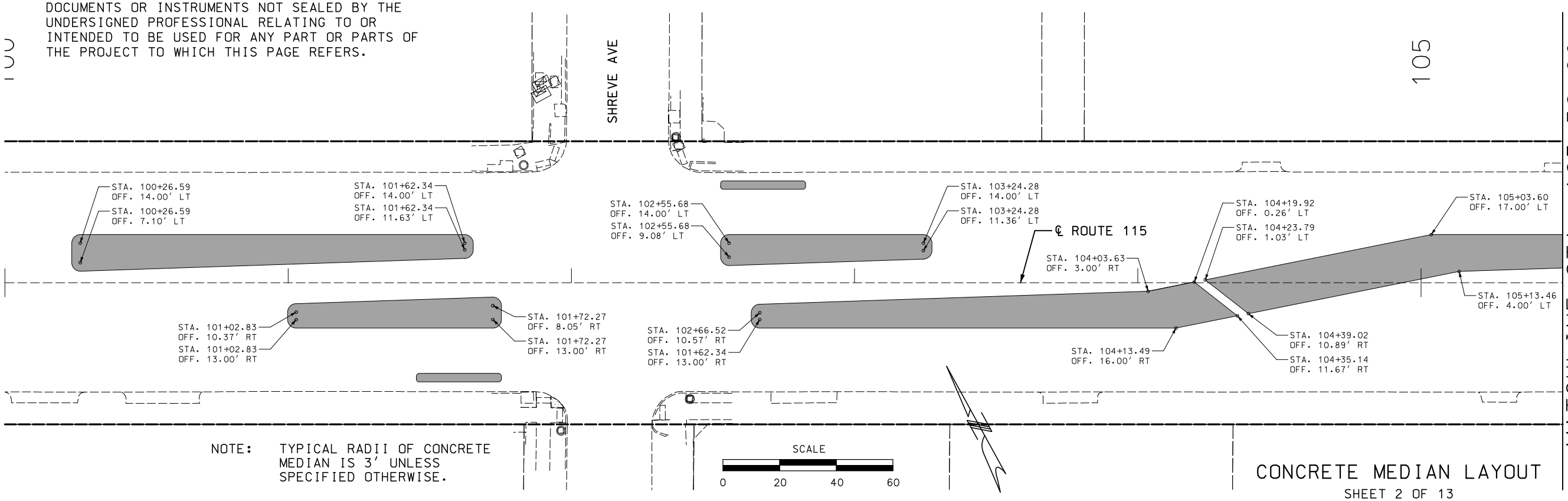

NOTE: TYPICAL RADII OF CONCRETE MEDIAN IS 3' UNLESS SPECIFIED OTHERWISE.

MATCHLINE STA. 105+50.00

CONCRETE MEDIAN LAYOUT

SHEET 2 OF 13

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

DATE PREPARED	
3/12/2020	
ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	26
COUNTY	
ST LOUIS CITY	
JOB NO.	
J6S3258	
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)

ACCESS ENGINEERING LLC

11820 TESSON FERRY ROAD
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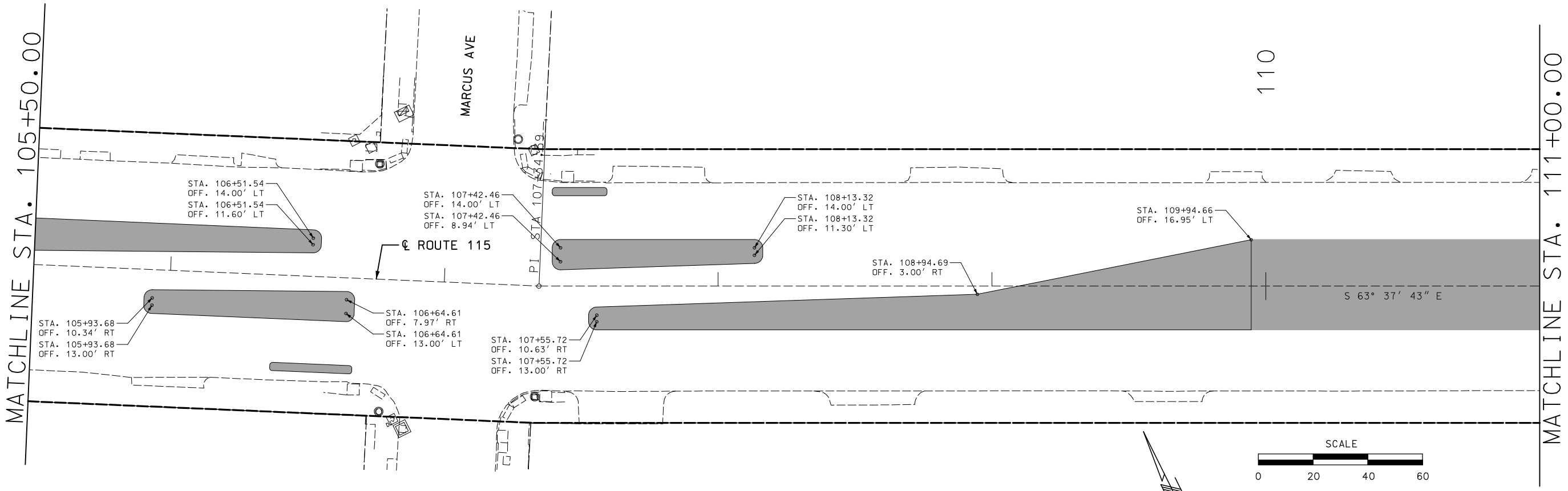
CIVIL ENGINEERING
ENGINEERING CERTIFICATE OF AUTHORITY

SPECIAL SHEET
ROUTE 115
SHEET 4 OF 30

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



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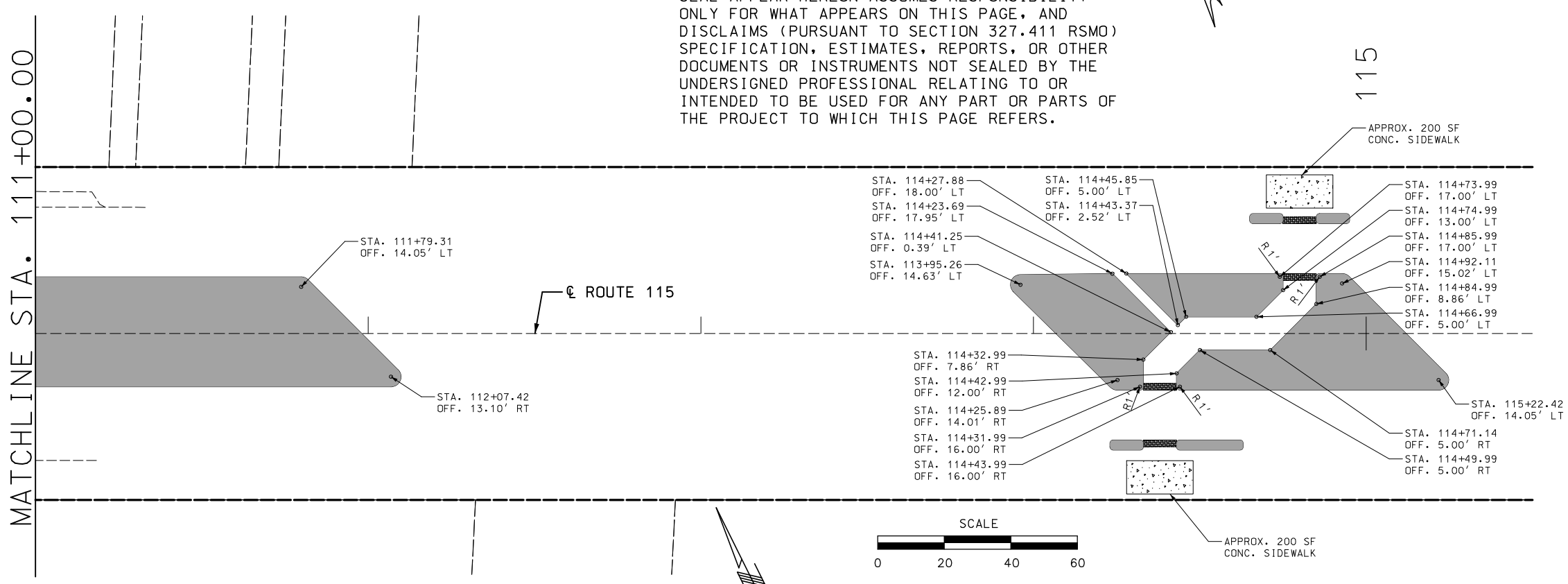

NOTE: TYPICAL RADII OF CONCRETE MEDIAN IS 3' UNLESS SPECIFIED OTHERWISE.

CONCRETE MEDIAN LAYOUT

SHEET 3 OF 13

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

DATE PREPARED	3/12/2020
ROUTE	115
STATE	MO
DISTRICT	SL
SHEET NO.	27
COUNTY	ST LOUIS CITY
JOB NO.	J6S3258
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)

ACCESS ENGINEERING LLC

11820 TESSON FERRY ROAD
SUITE 203
ST. LOUIS, MO 63128
(314) 849-8445

#2000172588
CIVIL ENGINEERING
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SPECIAL SHEET
ROUTE 115
SHEET 5 OF 30

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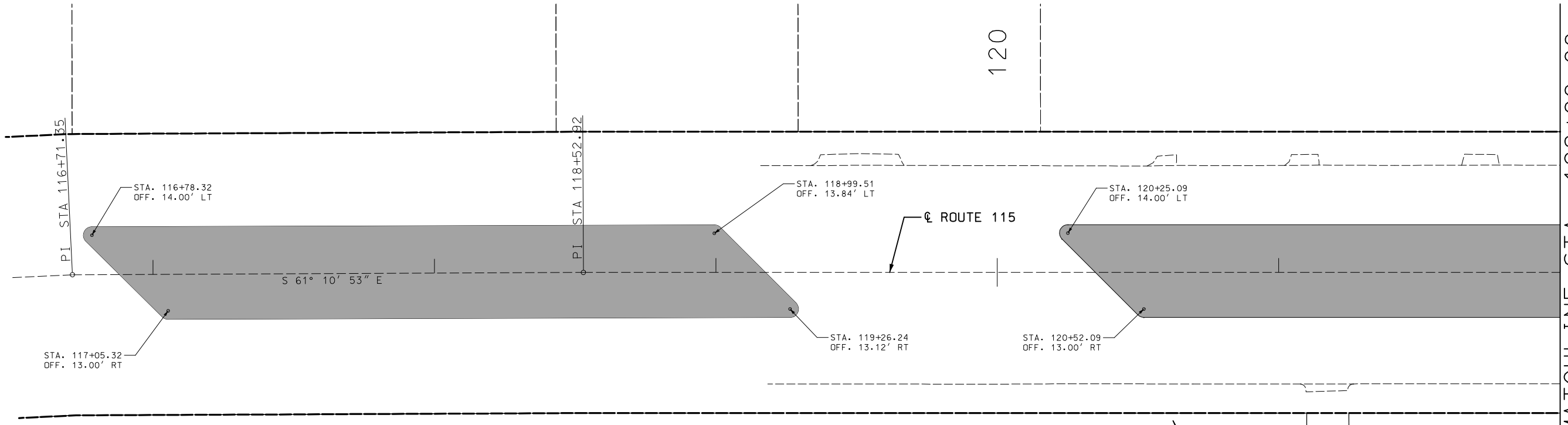

SCALE

0 20 40 60

NOTE: TYPICAL RADII OF CONCRETE MEDIAN IS 3' UNLESS SPECIFIED OTHERWISE.

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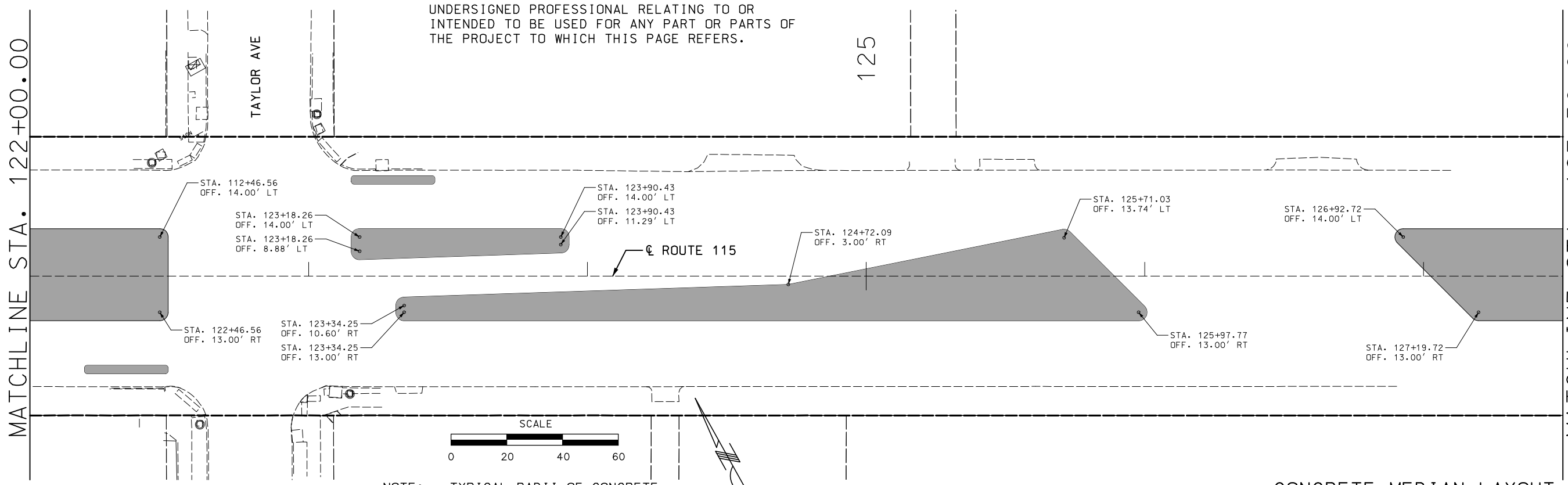

SCALE

0 20 40 60

NOTE: TYPICAL RADII OF CONCRETE MEDIAN IS 3' UNLESS SPECIFIED OTHERWISE.

CONCRETE MEDIAN LAYOUT

SHEET 4 OF 13

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

DATE PREPARED	
3/12/2020	
ROUTE 115	STATE MO
DISTRICT SL	SHEET NO. 28
COUNTY ST LOUIS CITY	
JOB NO. J6S3258	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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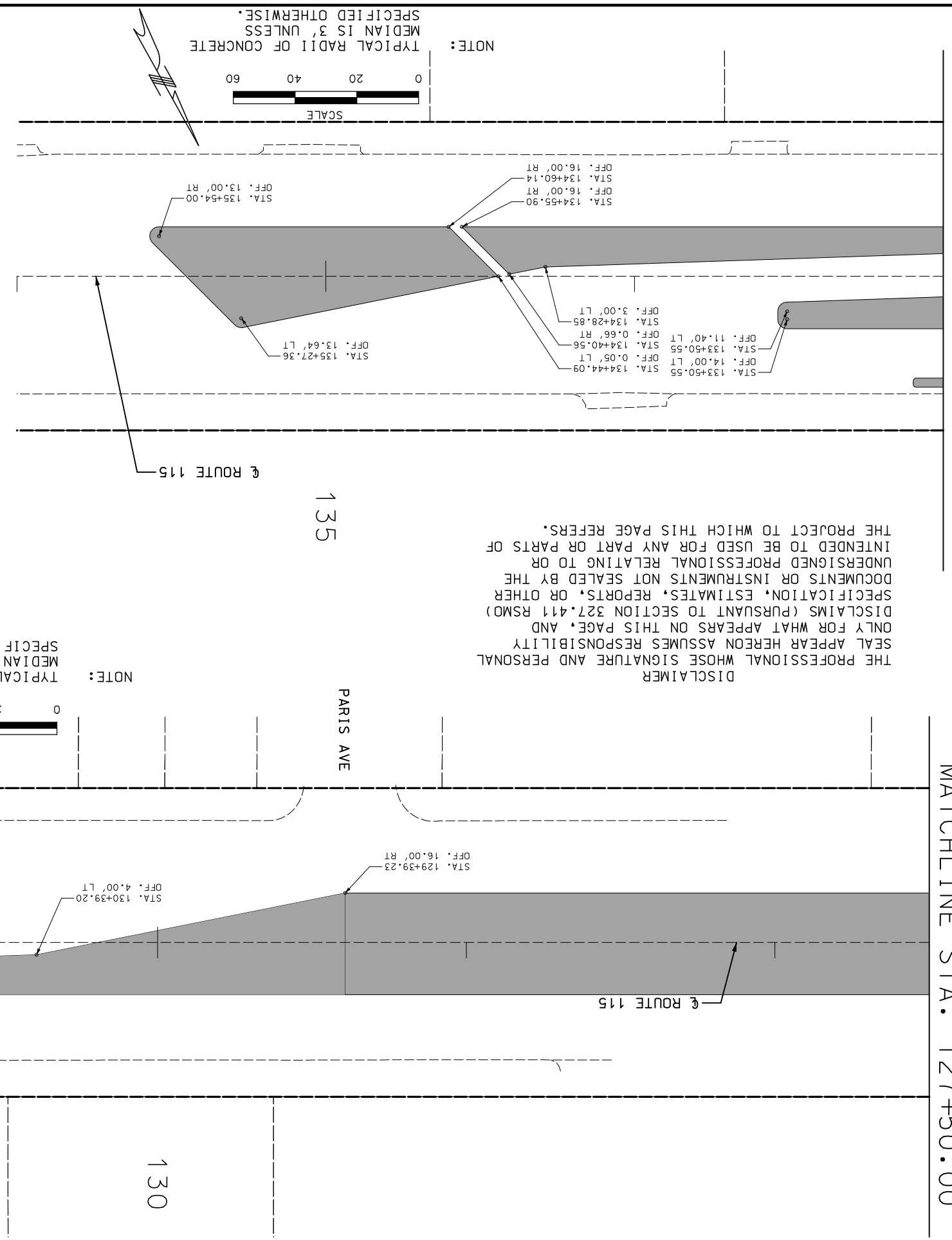
SPECIAL SHEET
ROUTE 115
SHEET 6 OF 30

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



135

130

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SPECIAL SHEET
ROUTE 115
SHEET 7 OF 30

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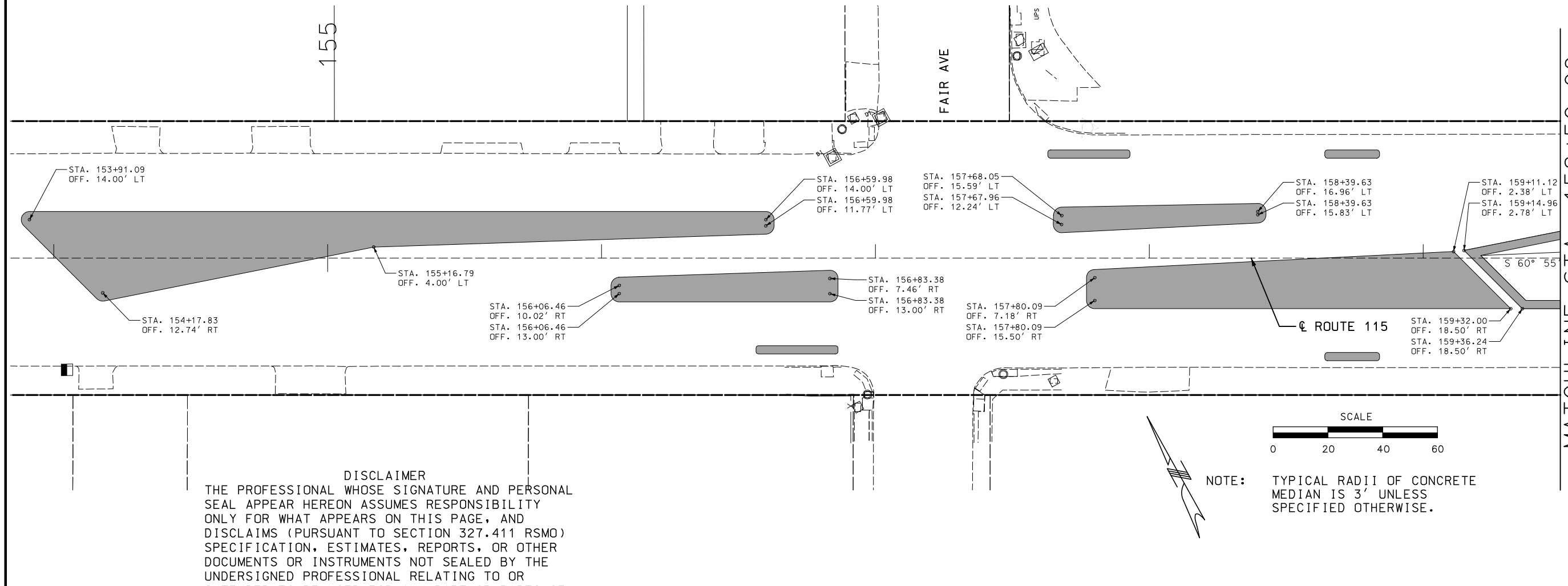
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

DATE	DESCRIPTION

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

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

DATE PREPARED	
3/12/2020	
ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	29
COUNTY	
ST LOUIS CITY	
JOB NO.	
J6S3258	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	



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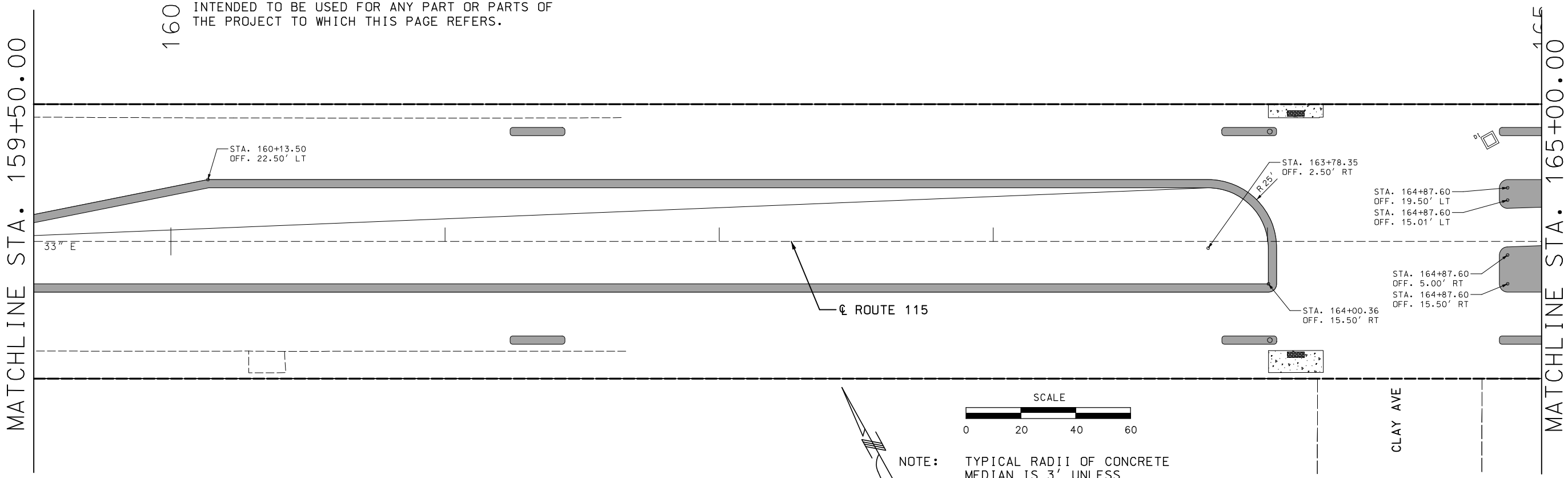
NOTE: TYPICAL RADII OF CONCRETE MEDIAN IS 3' UNLESS SPECIFIED OTHERWISE.



NOTE: TYPICAL RADII OF CONCRETE MEDIAN IS 3' UNLESS SPECIFIED OTHERWISE.

CONCRETE MEDIAN LAYOUT

SHEET 6 OF 13

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

DATE PREPARED	3/12/2020
ROUTE	115
STATE	MO
DISTRICT	SL
SHEET NO.	30
COUNTY	ST LOUIS CITY
JOB NO.	J6S3258
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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SPECIAL SHEET
ROUTE 115
SHEET 8 OF 30

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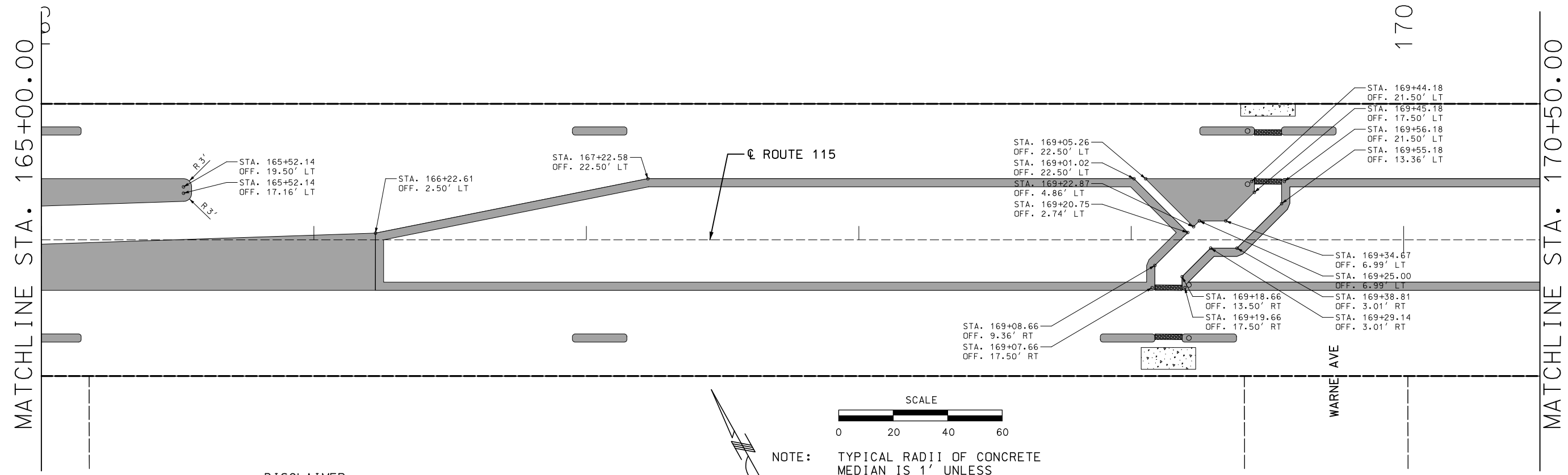

NOTE: TYPICAL RADII OF CONCRETE MEDIAN IS 1' UNLESS SPECIFIED OTHERWISE.

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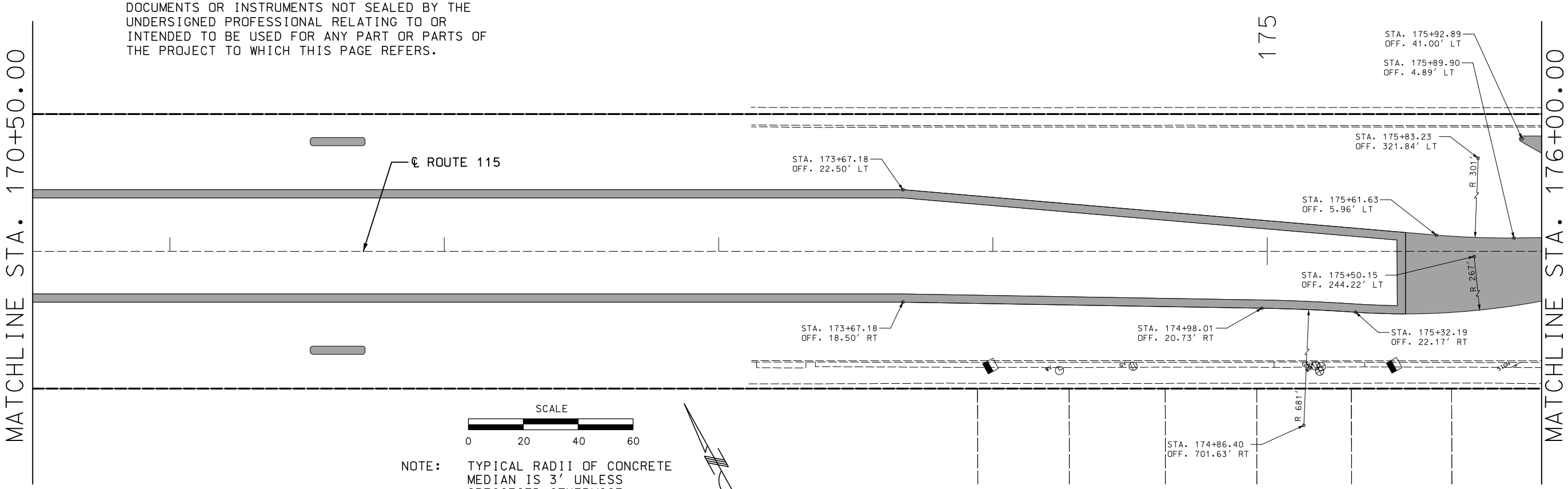

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CONCRETE MEDIAN LAYOUT

SHEET 7 OF 13

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

DATE PREPARED	
3/12/2020	
ROUTE 115	STATE MO
DISTRICT SL	SHEET NO. 31
COUNTY ST LOUIS CITY	
JOB NO. J6S3258	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

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

DESCRIPTION	DATE

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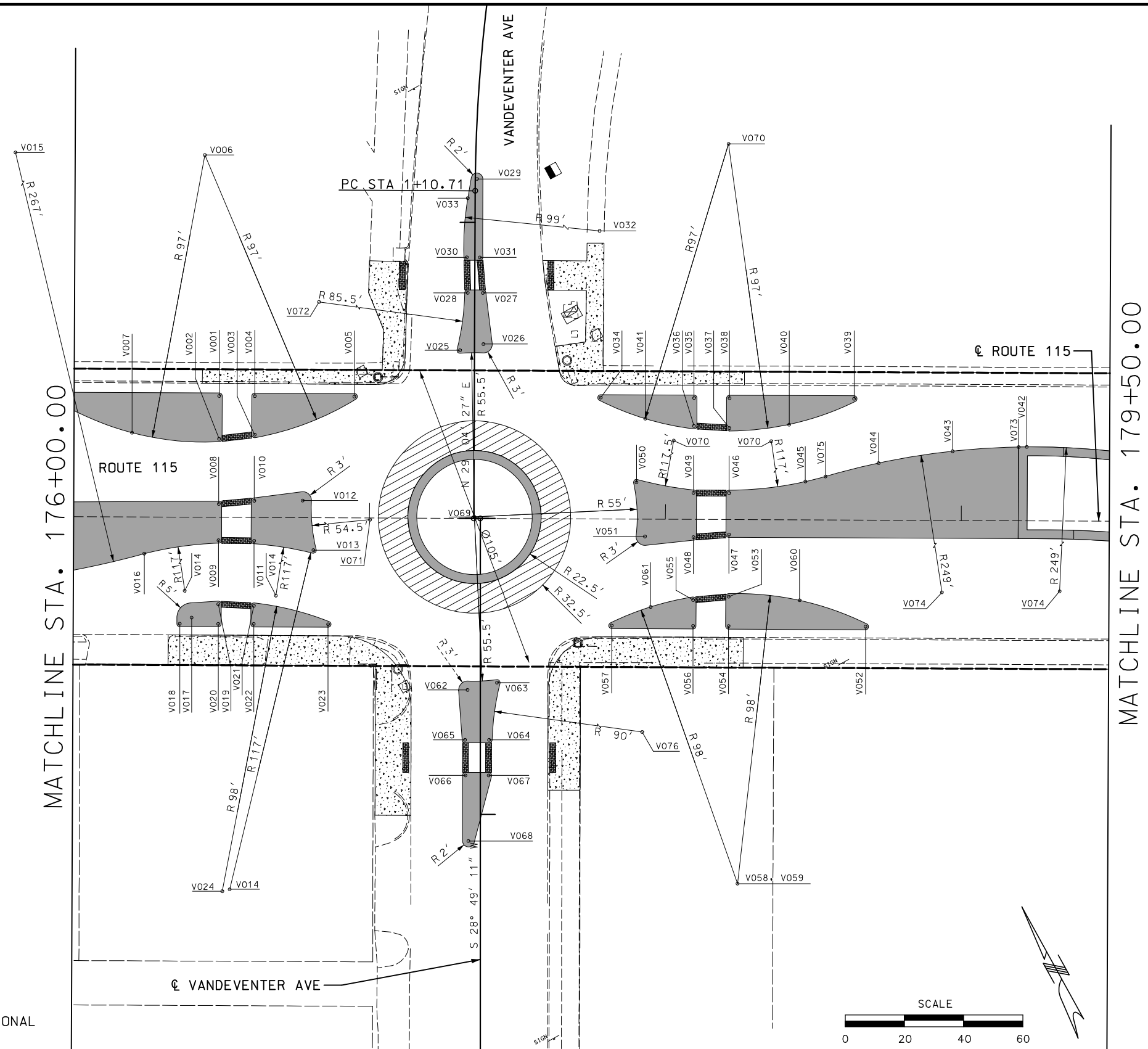
SPECIAL SHEET
ROUTE 115
SHEET 9 OF 30



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CONCRETE MEDIAN LAYOUT

SHEET 8 OF 13

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

DATE PREPARED	3/12/2020
ROUTE	115
STATE	MO
DISTRICT	SL
SHEET NO.	32
COUNTY	ST LOUIS CITY
JOB NO.	J6S3258
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
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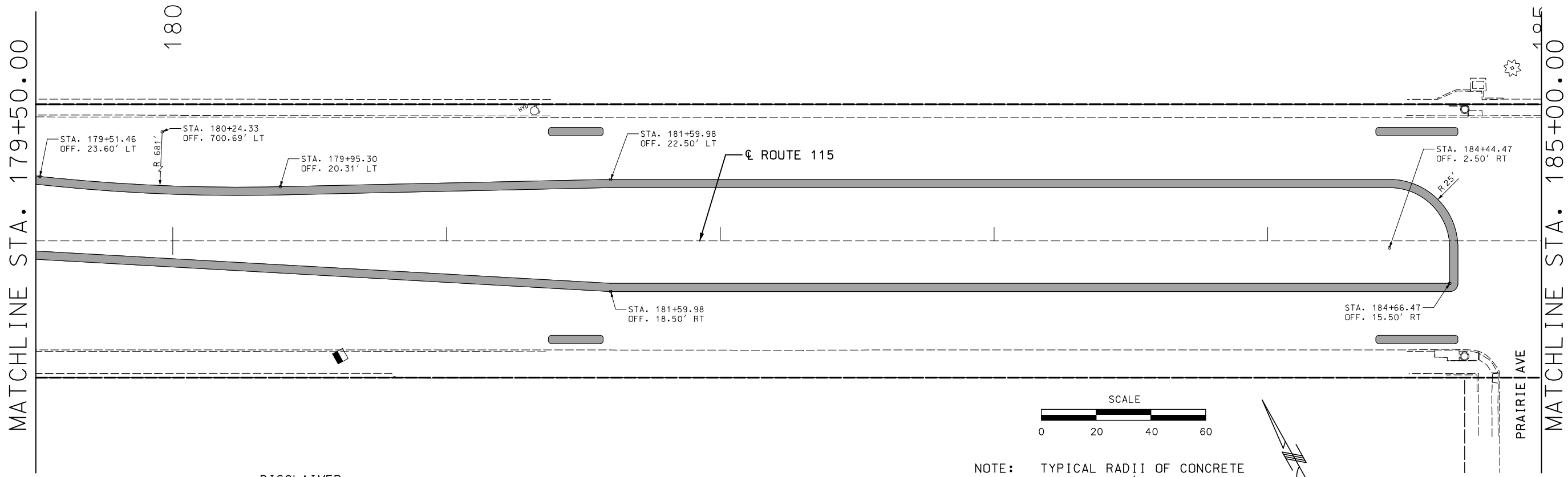
SPECIAL SHEET
ROUTE 115
SHEET 10 OF 30



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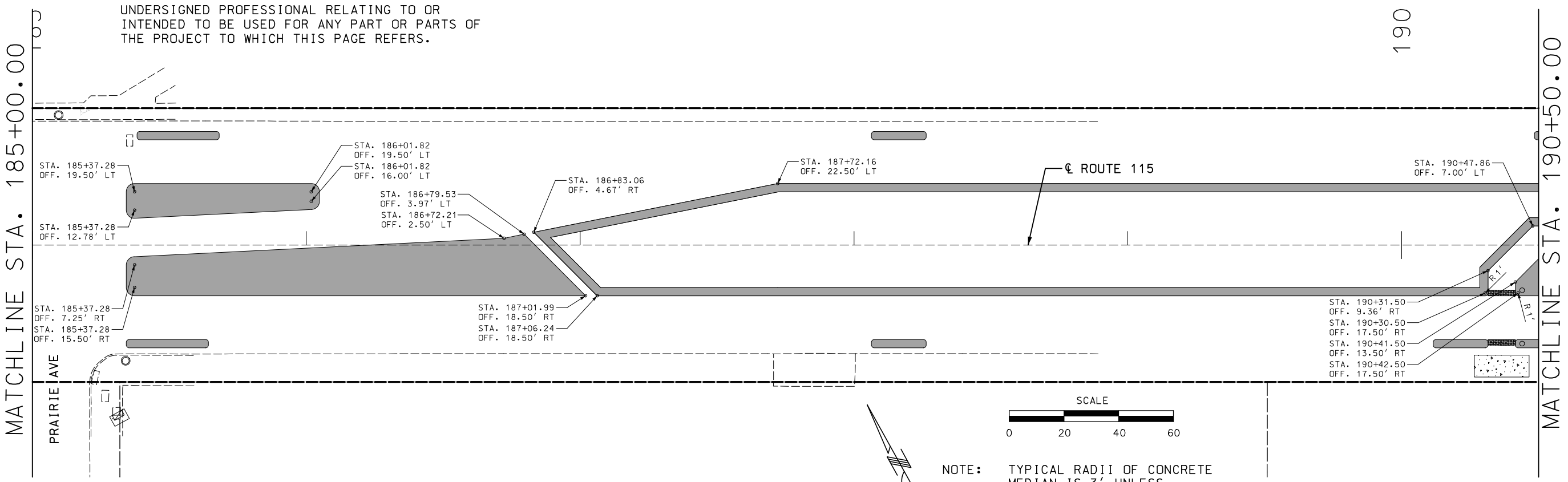

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CONCRETE MEDIAN LAYOUT

SHEET 9 OF 13

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

DATE PREPARED	3/12/2020
ROUTE	115
STATE	MO
DISTRICT	SL
SHEET NO.	33
COUNTY	ST LOUIS CITY
JOB NO.	J6S3258
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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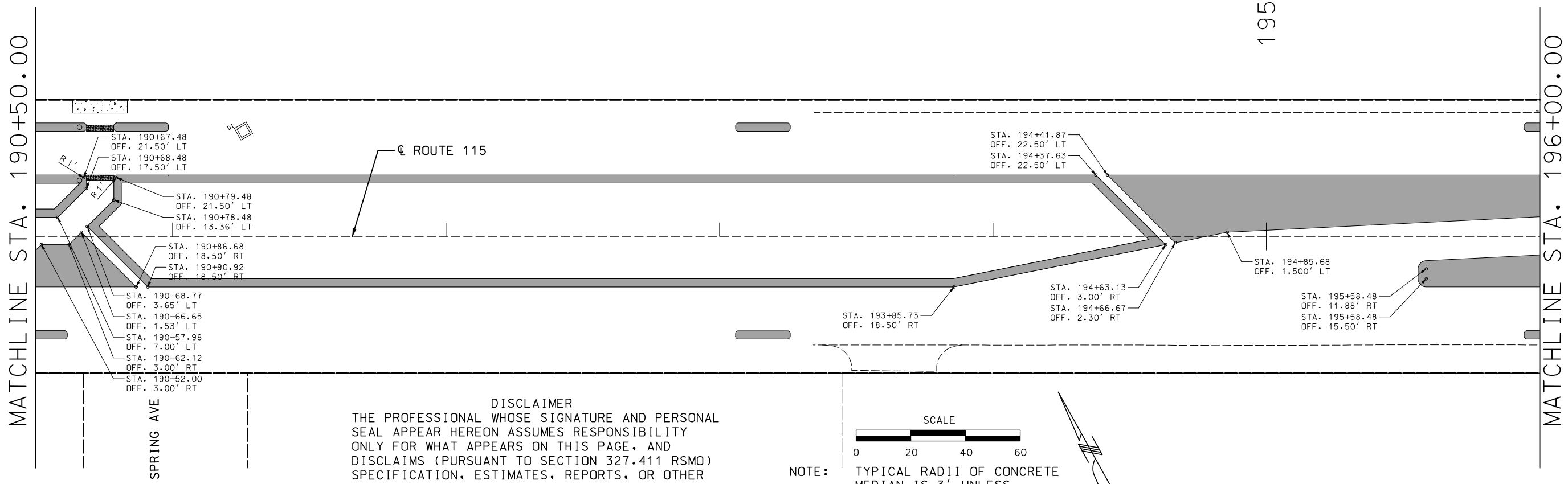
SPECIAL SHEET
ROUTE 115
SHEET 11 OF 30



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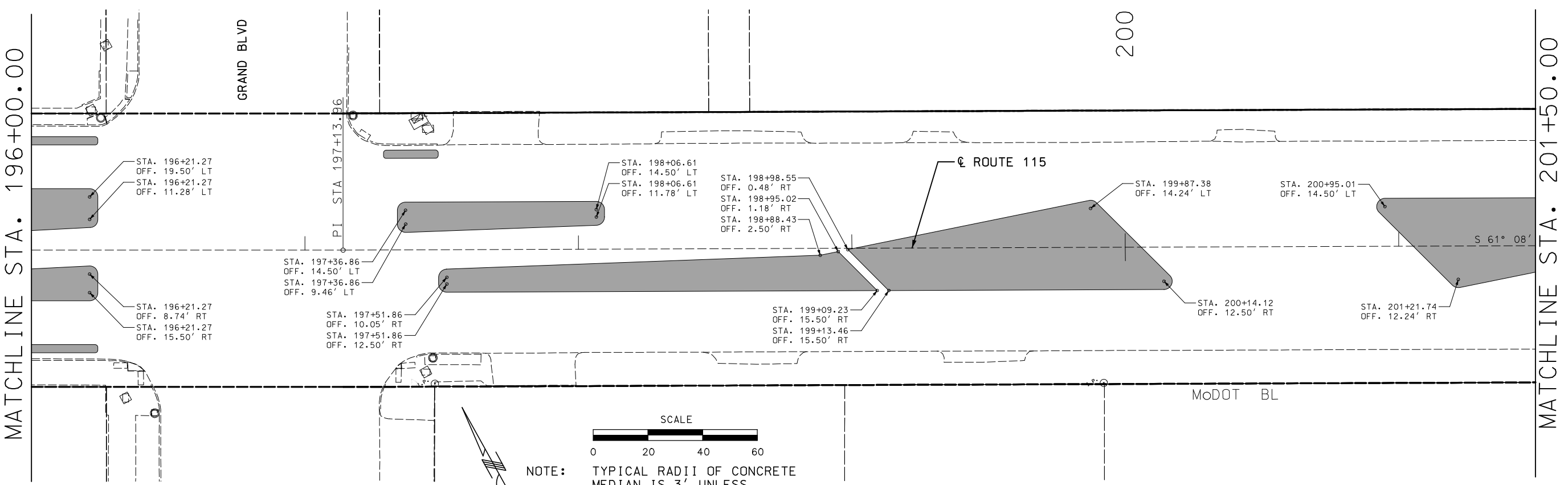

NOTE: TYPICAL RADII OF CONCRETE MEDIAN IS 3' UNLESS SPECIFIED OTHERWISE.

CONCRETE MEDIAN LAYOUT

SHEET 10 OF 13

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

DATE PREPARED	3/12/2020
ROUTE	115
STATE	MO
DISTRICT	SL
SHEET NO.	34
COUNTY	ST LOUIS CITY
JOB NO.	J6S3258
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)

ACCESS ENGINEERING LLC
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SPECIAL SHEET
ROUTE 115
SHEET 12 OF 30

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

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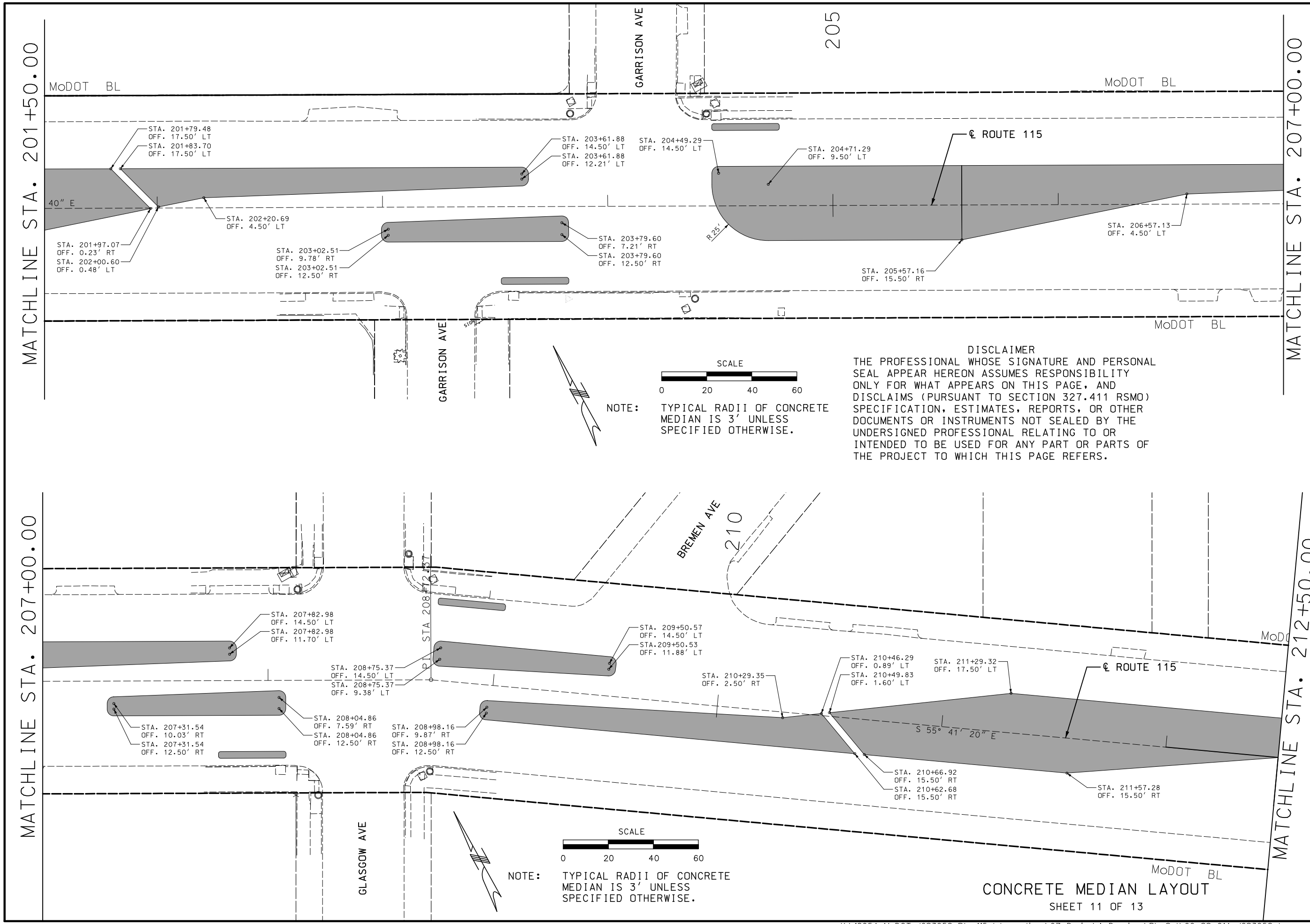

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CONCRETE MEDIAN LAYOUT

SHEET 11 OF 13

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

DATE PREPARED	
3/12/2020	
ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	35
COUNTY	
ST LOUIS CITY	
JOB NO.	
J6S3258	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

ACCESS ENGINEERING LLC

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(314) 849-8445

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SPECIAL SHEET
ROUTE 115
SHEET 13 OF 30

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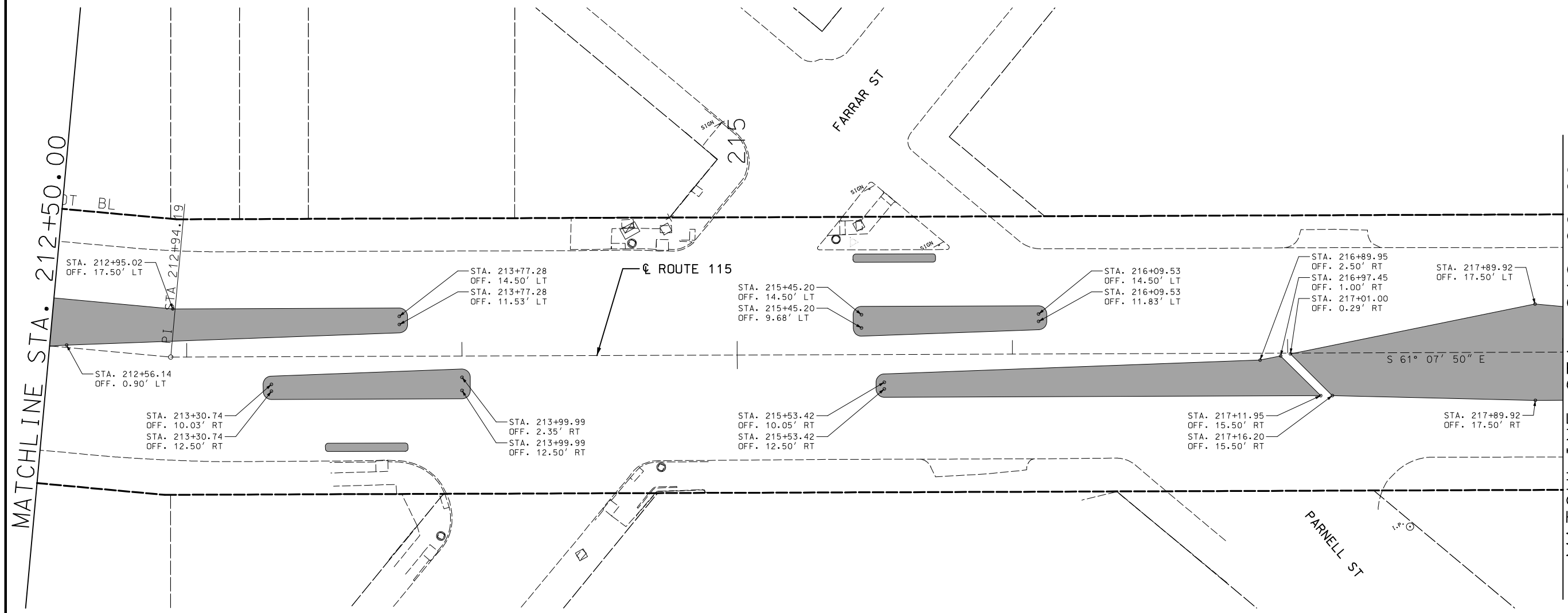

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SCALE
0 20 40 60

NOTE: TYPICAL RADII OF CONCRETE MEDIAN IS 3' UNLESS SPECIFIED OTHERWISE.

CONCRETE MEDIAN LAYOUT

SHEET 12 OF 13

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

DATE PREPARED	3/12/2020
ROUTE	115
STATE	MO
DISTRICT	SL
SHEET NO.	36
COUNTY	ST LOUIS CITY
JOB NO.	J6S3258
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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

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SPECIAL SHEET
ROUTE 115
SHEET 14 OF 30

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

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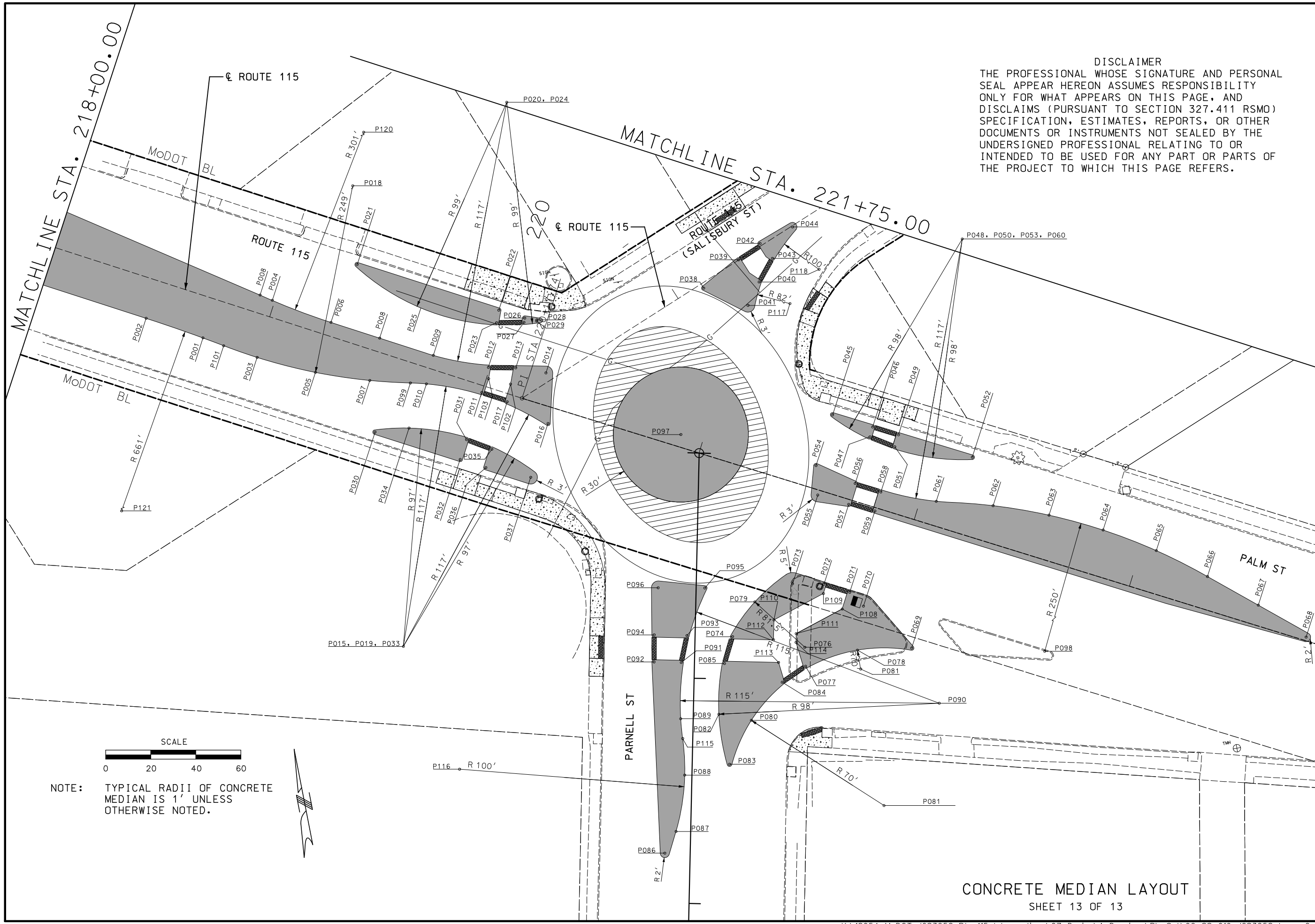

NOTE: TYPICAL RADII OF CONCRETE MEDIAN IS 1' UNLESS OTHERWISE NOTED.

CONCRETE MEDIAN LAYOUT
SHEET 13 OF 13

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

DATE PREPARED	3/12/2020
ROUTE	115
STATE	MO
DISTRICT	SL
SHEET NO.	37
COUNTY	ST LOUIS CITY
JOB NO.	J6S3258
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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SPECIAL SHEET
ROUTE 115
SHEET 15 OF 30

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

K:\18054 MoDOT J6S3258 Rte 115 Intersections\07_Design\A_Drawings\PlanSet\06_SS_016_J6S3258.dgn 2:41:03 PM 3/12/2020

POINT TABLE - GOODFELLOW ROUNDABOUT (1 OF 3)

GPK POINT ID	NORTHING (FEET)	EASTING (FEET)	STATION	OFFSET
G001	1038978.2761	885375.3056	13+79.99	-6.9996
G002	1038956.4958	885389.7912	14+05.15	0.3538
G003	1038938.2024	885407.1272	14+30.10	3.6182
G004	1038921.7227	885425.9458	14+55.04	4.9275
G005	1038907.0395	885446.2330	14+80.07	4.0056
G006	1038897.4485	885462.0214	14+98.41	1.8412
G007	1038884.2755	885492.3193	15+30.40	-6.4347
G008	1038885.9130	885493.5989	15+30.40	-8.5128
G009	1038888.4736	885493.5338	15+28.77	-10.4904
G010	1038889.2483	885492.1458	15+27.20	-10.2461
G011	1038898.6623	885478.0750	15+10.31	-9.0000
G012	1038880.9748	885499.8552	15+38.37	-8.4740
G013	1038879.5667	885487.3705	15+29.40	0.3228
G014	1038883.7374	885500.7449	15+37.37	-11.1986
G015	1038870.5536	885495.5567	15+41.40	2.3842
G016	1038875.1629	885497.8894	15+40.40	-2.6841
G017	1038870.2552	885504.1697	15+48.37	-2.6841
G018	1038878.7686	885512.0915	15+49.37	-14.2700
G019	1038873.9003	885518.2271	15+57.20	-14.2119
G020	1038852.5772	885507.6287	15+61.98	9.1154
G021	1038864.6606	885469.7049	15+24.66	22.9454
G022	1038865.0738	885464.9513	15+20.66	25.5469
G023	1038859.3967	885471.6088	15+29.40	25.9208
G024	1038864.4708	885475.5739	15+29.40	19.4812
G025	1038853.8858	885482.5318	15+41.40	23.5375
G026	1038851.0423	885480.3097	15+41.40	27.1463
G027	1038837.2004	885491.9606	15+59.10	30.8791
G028	1038773.5257	885402.2637	15+27.63	136.2814
G029	1038801.5170	885409.3368	15+15.97	109.8705
G030	1038901.8459	885503.5948	15+28.46	-27.2220
G031	1038898.0585	885511.9361	15+37.37	-29.3737
G032	1038902.9973	885515.7955	15+37.37	-35.6417
G033	1038999.2984	885500.5522	14+66.06	-102.1363
G034	1038894.1110	885524.0807	15+49.37	-33.7413
G035	1038904.2103	885529.1343	15+47.13	-44.8106
G036	1038905.9460	885528.6871	15+45.71	-45.9029
G037	1038901.1168	885545.9474	15+62.28	-52.7257
G038	1038937.9856	885427.7537	14+46.45	-9.0000
G039	1038989.2767	885548.8849	15+10.31	-124.0000
G040	1038910.1138	885546.1816	15+56.93	-59.9590
G041	1038910.1138	885546.1816	15+56.93	-59.9590
G042	1038910.1138	885546.1816	15+56.93	-59.9590
G043	1038977.0308	885507.0874	14+84.92	-88.6145
G044	1038977.8274	885506.5215	14+83.98	-88.8938
G045	1038983.1848	885502.7436	14+77.71	-90.7889
G046	1038999.2984	885500.5522	14+66.06	-102.1363
G047	1038913.2496	885575.6139	15+78.19	-80.5524
G048	1038911.9027	885578.4725	15+81.27	-81.2514
G049	1038977.8342	885607.8068	15+63.79	-151.2644
G050	1038977.0308	885507.0874	14+84.92	-88.6145

POINT TABLE - GOODFELLOW ROUNDABOUT (2 OF 3)

GPK POINT ID	NORTHING (FEET)	EASTING (FEET)	STATION	OFFSET
G051	1038838.6610	885784.8018	17+88.94	-150.5854
G052	1038925.1022	885576.2659	15+71.40	-90.2932
G053	1038941.1019	885577.5289	15+62.55	-103.6778
G054	1038946.7809	885599.7761	15+76.58	-121.8511
G055	1038921.5881	885586.0706	15+81.29	-93.5614
G056	1038931.6017	885569.3229	15+61.93	-91.1394
G057	1038914.9253	885547.3862	15+54.91	-64.4920
G058	1039011.7575	885679.1022	15+99.08	-221.8936
G059	1039010.0245	885684.5017	16+04.40	-223.8527
G060	1038970.5025	885672.3417	16+19.15	-185.2239
G061	1038914.0557	885637.3914	16+26.37	-119.2264
G062	1038973.8753	885631.9328	15+85.24	-163.0003
G063	1038899.7228	885637.9624	16+35.64	-108.2844
G064	1038901.9316	885630.5657	16+28.46	-105.4704
G065	1038912.8353	885604.6479	16+01.32	-98.1034
G066	1038909.1754	885612.4158	16+09.69	-100.0026
G067	1038897.6511	885608.7209	16+13.88	-88.6468
G068	1038903.0034	885597.3608	16+01.63	-85.8694
G069	1038885.7753	885602.3732	16+16.19	-75.3808
G070	1038889.5477	885584.1079	15+99.48	-67.1066
G071	1038935.9159	885615.6192	15+95.75	-123.0452
G072	1038977.4049	885508.3641	14+85.70	-89.6954
G073	1038887.2165	885635.5503	16+41.44	-96.9448
G074	1038889.7759	885627.4068	16+33.45	-93.9472
G075	1038862.0003	885795.5758	17+83.06	-175.6095
G076	1038782.8750	885654.2139	17+20.40	-26.2207
G077	1038779.1990	885650.8740	17+20.03	-21.2677
G078	1038843.0516	885776.5873	17+79.77	-148.9870
G079	1038875.0035	885693.7828	16+94.85	-123.1776
G080	1038771.4413	885661.2513	17+32.98	-21.5447
G081	1038768.3110	885657.9294	17+32.29	-17.0329
G082	1038763.2366	885665.9042	17+41.70	-17.9448
G083	1038789.0903	885438.8712	15+46.89	101.4766
G084	1038820.6466	885636.3660	16+83.08	-44.9933
G085	1038852.9663	885628.3966	16+56.90	-65.5525
G086	1038807.4000	885644.1168	16+97.34	-39.3281
G087	1038833.6521	885637.0911	16+75.64	-55.6875
G088	1038862.6117	885634.5769	16+55.83	-76.9581
G089	1038782.3593	885621.7766	16+95.16	-5.8415
G090	1038774.9136	885620.2385	16+98.53	0.9724
G091	1038764.1887	885637.4258	17+18.68	-1.1598
G092	1038761.0495	885635.0163	17+18.71	2.7974
G093	1038756.1553	885647.5097	17+31.57	-1.0390
G094	1038753.0035	885645.0466	17+31.57	2.9612
G095	1038698.2258	885716.5434	18+21.63	2.1000
G096	1038743.8579	885601.0529	17+02.53	37.2561
G097	1038729.2623	885572.3018	16+88.87	66.4598
G098	1038720.9468	885584.1237	17+03.30	65.7328
G099	1038722.6241	885607.7376	17+20.88	49.8712
G100	1038700.8618	885600.4694	17+28.55	71.4942

POINT TABLE - GOODFELLOW ROUNDABOUT (3 OF 3)

GPK POINT ID	NORTHING (FEET)	EASTING (FEET)	STATION	OFFSET
G101	1038707.2061	885580.6504	17+09.03	78.6985
G102	1038717.7840	885555.9025	16+83.01	85.6018
G103	1038702.6467	885552.7342	16+89.84	99.4801
G104	1038692.8402	885576.5775	17+14.66	92.5260
G105	1038661.6477	885567.7341	17+26.90	122.5493
G106	1038668.1726	885542.6053	17+03.08	132.8808
G107	1038622.3583	885556.5951	17+42.32	160.3661
G108	1038629.7611	885539.2458	17+24.09	165.2158
G109	1038702.7823	885526.9751	16+69.46	115.2342
G110	1038726.8192	885537.3085	16+62.80	89.9316
G111	1038748.5510	885531.6756	16+44.98	76.2764
G112	1038737.2859	885543.3527	16+61.12	77.9627
G113	1038755.9376	885558.4151	16+61.50	53.9916
G114	1038761.2105	885535.7652	16+40.41	63.7832
G115	1038760.4000	885533.6067	16+39.20	65.7509
G116	1038756.9358	885546.2388	16+51.29	60.7024
G117	1038737.6495	885539.9578	16+58.22	79.7666
G118	1038730.4707	885531.3098	16+55.82	90.7480
G119	1038748.5035	885537.1825	16+49.35	72.9231
G120	1038823.9892	885568.7926	16+27.77	-6.0196
G121	1039132.8684	885594.2240	14+57.62	-265.0602
G122	1039048.8252	885602.2279	15+15.68	-203.7666
G123	1038663.1478	885808.6925	19+15.84	-27.0000
G124	1038662.3598	885808.0767	19+15.84	-26.0000
G127	1038890.1210	885545.6442	15+68.81	-43.8748
G128	1038895.1189	885545.7913	15+65.85	-47.9034
G129	1038896.9695	885553.4085	15+70.72	-54.0519
G130	1038892.9210	885556.3856	15+75.55	-52.6950
G131	1038897.8254	885525.7142	15+48.37	-37.6737
G132	1038902.3428	885550.7216	15+65.29	-56.6313
G133	1038966.4142	885629.5611	15+87.96	-155.6609
G134	1038989.0870	885548.2376	15+09.92	-123.4520
G135	1038809.6783	885671.8033	17+17.75	-58.1709
G136	1038728.2335	885588.2684	17+02.08	57.4392
G137	1030691.0202	899574.0015	178+54.02	-14.7526
G138	1030621.5083	899509.8214	178+31.71	77.1880
G139	1030848.2969	899424.4219	176+46.86	-79.5240
G140	1030738.6685	899464.0726	177+34.79	-2.9777
G141	1030828.0896	899383.5467	176+20.96	-42.0000
G142	1030840.8548	899358.5300	175+92.89	-41.0000
G143	1038797.1771	885405.7129	15+15.78	115.5214
G144	1038674.1221	885640.6478	17+76.67	67.8243
G145	1039083.4829	885612.7768	15+02.65	-237.5706
G146	1039075.9862	885623.6700	15+15.85	-238.3708
G147	1039081.2096	885598.6591	14+92.93	-227.0864
G148	1039171.2194	885400.1088	12+60.26	-165.5632
G149	1039056.1648	885615.1746	15+21.36	-217.5216
G150	1039068.8229	885625.9825	15+22.08	-234.1504

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ROUNDABOUT DETAIL - RTE 115 AT GOODFELLOW

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

DATE PREPARED 3/12/2020

ROUTE 115 | STATE MO

DISTRICT SL | SHEET NO. 38

COUNTY ST LOUIS CITY

JOB NO. J6S3258

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)

ACCESS ENGINEERING LLC

11820 TESSON FERRY ROAD
SUITE 203
ST. LOUIS, MO 63128
(314) 849-8445

#2000172588
CIVIL ENGINEERING
ENGINEERING CERTIFICATE OF AUTHORITY

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

SPECIAL SHEET
ROUTE 115
SHEET 16 OF 30

POINT TABLE - VANDEVENTER ROUNDABOUT (1 OF 2)				
GPK POINT ID	NORTHING (FEET)	EASTING (FEET)	STATION	OFFSET
V001	1030813.5764	899407.5915	176+49.02	-41.0000
V002	1030800.9334	899400.5619	176+49.02	-26.5341
V003	1030807.7451	899418.0794	176+61.02	-41.0000
V004	1030796.3398	899411.7380	176+61.02	-27.9503
V005	1030791.3802	899447.5126	176+94.70	-41.0000
V006	1030887.2530	899442.5729	176+43.79	-122.3916
V007	1030816.9206	899375.7721	176+19.59	-28.4604
V008	1030781.6186	899389.8228	176+49.02	-4.4346
V009	1030770.9799	899383.9077	176+49.02	7.7379
V010	1030776.8459	899400.8993	176+61.02	-5.6458
V011	1030764.9961	899394.3108	176+61.02	7.9125
V012	1030769.0277	899415.2405	176+77.36	-5.7818
V013	1030752.5807	899410.3445	176+81.07	10.9719
V014	1030665.8342	899330.3505	176+53.31	125.6601
V015	1031039.2401	899419.9272	175+50.15	-244.2225
V016	1030779.1201	899359.6942	176+23.91	12.3899
V017	1030752.4380	899363.3007	176+40.02	33.9572
V018	1030752.5964	899358.8121	176+36.02	36.0000
V019	1030752.0935	899373.4068	176+49.02	29.3473
V020	1030746.2791	899370.1740	176+49.02	36.0000
V021	1030745.8039	899383.6398	176+61.02	29.8717
V022	1030740.4478	899380.6619	176+61.02	36.0000
V023	1030728.2417	899402.6152	176+86.14	36.0000
V024	1030666.4688	899327.8281	176+50.80	126.3311
V025	1030787.8625	899486.3083	177+30.32	-56.7781
V026	1030785.9101	899494.2815	177+38.23	-58.9462
V027	1030801.1415	899502.4072	177+37.93	-76.2070
V028	1030803.6231	899497.9440	177+32.83	-76.2070
V029	1030835.8094	899519.2547	177+35.81	-114.6933
V030	1030814.2678	899503.4933	177+32.50	-88.2070
V031	1030812.1393	899507.3215	177+36.88	-88.2070
V032	1030770.1858	899591.0191	178+30.42	-92.2122
V033	1030831.6429	899513.4045	177+32.72	-108.2089
V034	1030750.9294	899520.2653	177+77.94	-41.0000
V035	1030735.5998	899547.8363	178+09.49	-41.0000
V036	1030727.3737	899543.2626	178+09.49	-31.5879
V037	1030720.9650	899553.4294	178+21.49	-30.9272
V038	1030729.7685	899558.3242	178+21.49	-41.0000
V039	1030709.3196	899595.1025	178+63.57	-41.0000
V040	1030712.2177	899571.6756	178+41.69	-32.1488
V041	1030737.4599	899530.0311	177+93.02	-33.9734
V042	1030667.2815	899638.5412	179+21.96	-25.3677
V043	1030677.7032	899615.7251	178+96.96	-23.3889
V044	1030686.3034	899591.9092	178+71.96	-19.3322
V045	1030692.8132	899567.1980	178+47.20	-13.0136
V046	1030701.7367	899542.7384	178+21.49	-8.9267
V047	1030689.5217	899535.9468	178+21.49	5.0494
V048	1030694.5125	899524.9916	178+09.49	6.0112
V049	1030707.5983	899532.2674	178+09.49	-8.9613
V050	1030720.0259	899517.0736	177+90.17	-12.4396

POINT TABLE - VANDEVENTER ROUNDABOUT (2 OF 2)				
GPK POINT ID	NORTHING (FEET)	EASTING (FEET)	STATION	OFFSET
V051	1030702.6201	899510.7549	177+93.11	5.8434
V052	1030639.9672	899561.3813	178+67.80	36.0000
V053	1030671.1586	899525.7369	178+21.49	26.0601
V054	1030662.4712	899520.9067	178+21.49	36.0000
V055	1030675.9651	899514.6792	178+09.49	27.2327
V056	1030668.3025	899510.4188	178+09.49	36.0000
V057	1030681.6564	899486.4012	177+82.01	36.0000
V058	1030584.7746	899481.6142	178+24.90	123.0000
V059	1030584.7746	899481.6142	178+24.90	123.0000
V060	1030658.5245	899546.1507	178+45.47	27.1823
V061	1030680.8481	899500.9502	177+95.12	29.6365
V062	1030686.1023	899433.2330	177+33.38	57.9509
V063	1030683.4595	899443.1652	177+43.34	55.4343
V064	1030667.8076	899431.4801	177+40.74	74.7921
V065	1030671.7228	899424.3642	177+32.62	74.8282
V066	1030661.1439	899418.6981	177+32.80	86.8275
V067	1030657.3604	899425.5746	177+40.65	86.7926
V068	1030641.2269	899408.8811	177+33.90	109.0053
V069	1030736.1436	899463.4502	177+35.47	-0.4685
V070	1030805.2217	899599.4382	178+20.76	-126.9244
V071	1030738.6685	899464.0726	177+34.79	-2.9777
V072	1030846.9160	899423.0576	176+46.34	-77.6541
V073	1030668.2631	899635.9473	179+19.22	-24.9652
V074	1030447.9760	899519.8672	179+24.81	223.9720
V075	1030691.0202	899574.0015	178+54.02	-14.7526
V076	1030621.5083	899509.8214	178+31.71	77.1880

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ROUNDABOUT DETAIL - RTE 115 AT VANDEVENTER

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

DATE PREPARED: 3/12/2020
ROUTE: 115 | STATE: MO
DISTRICT: SL | SHEET NO.: 39
COUNTY: ST LOUIS CITY
JOB NO.: J6S3258
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)

ACCESS ENGINEERING LLC
11820 TESSON FERRY ROAD
SUITE 203
ST. LOUIS, MO 63128
(314) 849-8445
#2000172588
CIVIL ENGINEERING
ENGINEERING CERTIFICATE OF AUTHORITY

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

SPECIAL SHEET
ROUTE 115
SHEET 17 OF 30

POINT TABLE - PARNELL ROUNDABOUT (1 OF 3)				
GPK POINT ID	NORTHING (FEET)	EASTING (FEET)	STATION	OFFSET
P001	1028681.4546	903055.0750	218+74.69	17.9859
P002	1028694.7703	903031.9365	218+48.00	17.4966
P003	1028668.4880	903077.1264	219+00.26	18.6943
P004	1028685.9282	903097.6197	219+09.78	-6.4729
P005	1028656.8963	903101.1765	219+26.92	17.2337
P006	1028677.3707	903112.1616	219+26.65	-6.0000
P007	1028648.7805	903124.1889	219+50.99	13.2302
P008	1028695.2871	903083.5801	218+92.97	-7.8902
P009	1028649.7669	903164.1201	219+85.48	-6.9131
P010	1028639.7257	903156.9558	219+84.05	5.3393
P011	1028634.0685	903171.9689	219+99.93	3.0449
P012	1028644.4596	903176.9704	219+99.30	-8.4697
P013	1028641.9511	903188.8717	220+10.93	-12.0190
P014	1028637.1991	903201.6028	220+32.76	-3.8031
P015	1028529.9964	903116.3541	220+01.48	121.0348
P016	1028614.9886	903198.2097	220+21.44	15.6030
P017	1028627.8771	903182.2584	220+11.93	3.4989
P018	1028887.3330	903195.5159	218+98.27	-230.1134
P019	1028529.9964	903116.3541	220+01.48	121.0348
P020	1028758.4704	903207.3931	220+82.74	-114.4462
P021	1028700.3695	903128.4736	219+29.83	-34.0162
P022	1028668.5098	903186.3410	219+95.89	-34.0551
P023	1028663.2337	903184.2853	219+96.64	-28.4423
P024	1028758.4704	903207.3931	220+82.74	-114.4462
P025	1028676.0484	903152.5514	219+62.66	-24.3428
P026	1028662.8766	903197.0250	220+37.95	-29.3647
P027	1028661.0967	903196.3315	220+36.65	-27.9646
P028	1028660.5432	903203.6177	220+43.22	-24.7703
P030	1028625.8247	903122.0943	219+60.24	34.3444
P031	1028614.8006	903161.3459	219+99.93	25.0472
P032	1028606.7351	903156.8991	219+99.93	34.2573
P033	1028529.9964	903116.3541	220+01.48	121.0348
P034	1028624.7181	903137.2539	219+74.05	27.9941
P035	1028608.5176	903171.5848	220+11.93	25.6059
P036	1028600.9644	903167.4204	220+11.93	34.2310
P037	1028592.9844	903186.1289	220+17.74	35.2733
P038	1028660.8400	903277.5584	221+12.09	2.1465
P039	1028670.1896	903295.1120	221+31.85	-0.0922
P040	1028658.8064	903302.2000	221+34.25	13.0999
P041	1028649.5428	903295.3589	221+24.49	19.1984
P042	1028675.5344	903305.9026	221+43.85	-1.0941
P043	1028668.0076	903309.9633	221+44.86	7.3986
P044	1028680.0068	903321.3701	221+59.88	0.4354
P045	1028594.6984	903323.0083	221+30.03	80.3677
P046	1028586.0188	903339.4249	221+42.10	94.4765
P047	1028581.9851	903337.2656	221+38.61	97.4334
P048	1028660.3872	903394.3805	222+20.56	45.5306
P049	1028580.4099	903350.0335	221+49.90	103.5938
P050	1028660.3872	903394.3805	222+20.56	45.5306

POINT TABLE - PARNELL ROUNDABOUT (2 OF 3)				
GPK POINT ID	NORTHING (FEET)	EASTING (FEET)	STATION	OFFSET
P051	1028575.5159	903347.4138	221+45.67	107.1814
P052	1028564.4173	903380.2817	221+72.15	129.5898
P053	1028660.3872	903394.3805	222+20.56	45.5306
P054	1028573.9599	903311.5042	221+11.70	95.4221
P055	1028560.9812	903309.7642	221+05.31	106.8512
P056	1028562.8942	903327.0465	221+22.09	111.4281
P057	1028554.3320	903322.4633	221+14.68	117.7047
P058	1028557.0001	903337.5025	221+29.64	120.7546
P059	1028549.2005	903333.3275	221+22.89	126.4721
P060	1028660.3872	903394.3805	222+20.56	45.5306
P061	1028548.2195	903360.8361	221+48.11	137.5011
P062	1028541.5236	903385.2737	221+68.37	152.7150
P063	1028532.6158	903408.8152	221+86.99	169.6563
P064	1028521.5557	903431.1018	222+03.65	188.1375
P065	1028508.2238	903452.6118	222+18.75	208.4457
P066	1028494.0590	903470.9233	222+30.57	228.3521
P067	1028475.7908	903492.4713	222+43.88	253.2647
P068	1028457.7847	903510.5963	222+54.12	276.6746
P069	1028486.3619	903337.7465	221+03.89	186.5320
P070	1028508.6983	903320.2867	220+95.87	159.3399
P071	1028515.8567	903315.4789	220+94.03	150.9150
P072	1028521.5783	903304.9305	220+86.33	141.7151
P073	1028524.4369	903291.2710	220+74.67	134.0333
P074	1028506.4440	903260.6789	220+39.61	139.5146
P075	1028420.0434	903312.3918	220+55.92	238.8783
P076	1028454.4331	903322.1209	220+77.62	210.4767
P077	1028487.4160	903289.9880	220+59.87	167.9879
P078	1028490.0264	903313.9365	220+83.10	174.3679
P079	1028519.6569	903273.2527	220+56.16	131.8518
P080	1028468.3996	903261.7788	220+26.64	175.2973
P081	1028420.0434	903312.3918	220+55.92	238.8783
P082	1028473.7804	903248.1252	220+17.74	165.2823
P083	1028451.1134	903248.5510	220+17.74	186.7623
P084	1028482.4017	903278.4441	220+47.29	168.4054
P085	1028495.4275	903254.8616	220+30.15	147.6197
P086	1028417.8207	903212.8351	220+17.74	211.6599
P087	1028425.1661	903218.9611	220+17.74	205.1665
P088	1028445.1022	903226.8559	220+17.74	186.9030
P089	1028482.9586	903232.4687	220+17.74	151.5380
P090	1028459.9638	903345.1463	221+01.06	213.8015
P091	1028499.5024	903236.0927	220+17.74	136.9737
P092	1028502.0623	903224.3015	220+17.74	130.9159
P093	1028510.7483	903240.8538	220+22.76	128.2210
P094	1028513.8393	903226.6165	220+17.74	120.3194
P095	1028530.0121	903252.6843	220+40.84	114.6580
P096	1028534.0469	903232.3577	220+23.42	103.4306
P097	1028598.9224	903255.1857	220+68.51	51.4970
P098	1028303.4074	903309.2076	220+17.74	346.2543
P099	1028644.2270	903141.6599	219+68.49	8.7825
P100	1028655.6221	903151.6147	219+71.70	-6.0028

POINT TABLE - PARNELL ROUNDABOUT (3 OF 3)				
GPK POINT ID	NORTHING (FEET)	EASTING (FEET)	STATION	OFFSET
P101	1028676.2534	903063.4310	218+84.52	18.5063
P102	1028635.2878	903185.2023	220+10.93	-4.4122
P103	1028639.5357	903176.1251	220+00.93	-3.7496
P104	1028663.6142	903298.7709	221+32.83	7.3679
P105	1028669.2130	903307.3272	221+42.85	5.3083
P106	1028546.5816	903367.2273	221+53.45	141.3746
P107	1028484.2771	903452.4949	222+09.83	230.6712
P108	1028509.2249	903310.7947	220+87.24	155.3594
P109	1028517.5749	903303.9218	220+83.92	145.0670
P110	1028510.2617	903280.1140	220+59.09	143.1120
P111	1028502.4210	903288.6447	220+64.14	153.5405
P112	1028501.6091	903278.2354	220+54.16	150.4674
P113	1028491.3134	903278.5242	220+50.64	160.1477
P114	1028498.6198	903287.8194	220+61.97	156.7718
P115	1028466.2629	903230.3190	220+17.74	167.0572
P116	1028471.7404	903130.4691	220+17.74	167.0025
P117	1028616.8830	903373.8340	221+85.45	78.4298
P118	1028599.9914	903384.6279	221+89.28	98.1071
P119	1028896.1886	903197.1522	218+95.43	-238.6584
P120	1028940.9632	903257.4888	221+96.44	-265.7262
P121	1028115.9177	902712.7960	218+48.00	678.4966

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ROUNDABOUT DETAIL – RTE 115 AT PARNELL

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DATE PREPARED: 3/12/2020

ROUTE: 115 | STATE: MO

DISTRICT: SL | SHEET NO.: 40

COUNTY: ST LOUIS CITY

JOB NO.: J6S3258

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)

ACCESS ENGINEERING LLC

11820 TESSON FERRY ROAD
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SPECIAL SHEET
ROUTE 115
SHEET 18 OF 30

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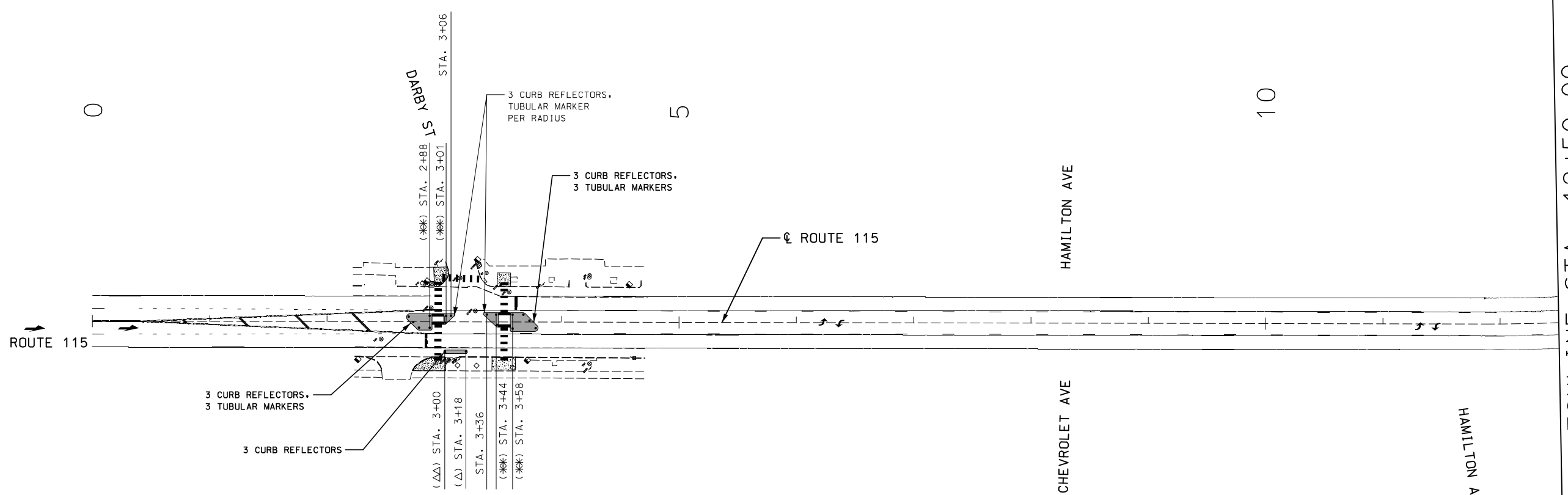

NOTES:

SURFACE MOUNT TUBULAR MARKERS SHALL BE BOLTED DOWN

CURB REFECTORS AND TUBULAR MARKERS SHALL MATCH THE COLOR OF THE ADJACENT STRIPING

LEGEND

(✱)	1-18″ YELLOW SURFACE MOUNT TUBULAR MARKER
(✱✱)	2-18″ YELLOW SURFACE MOUNT TUBULAR MARKERS
	RAISED ISLAND
(△)	1-18″ WHITE SURFACE MOUNT TUBULAR MARKER
(△△)	2-18″ WHITE SURFACE MOUNT TUBULAR MARKERS

SCALE
0 50 100 150

DELINEATOR LAYOUT
SHEET 1 OF 12

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DATE PREPARED	
3/12/2020	
ROUTE 115	STATE MO
DISTRICT SL	SHEET NO. 41
COUNTY ST LOUIS CITY	
JOB NO. J6S3258	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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SPECIAL SHEET
ROUTE 115
SHEET 19 OF 30

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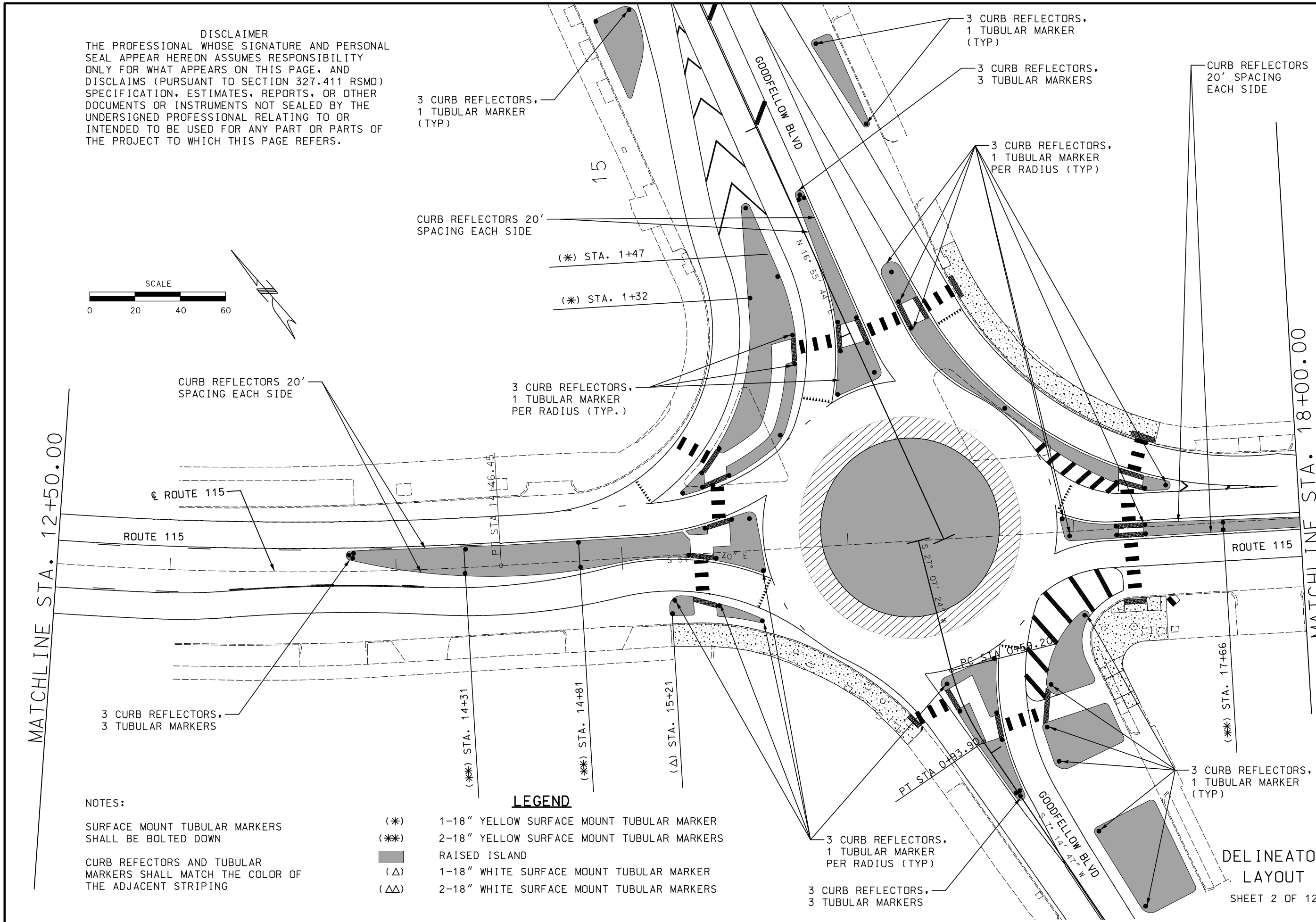

NOTES:

SURFACE MOUNT TUBULAR MARKERS SHALL BE BOLTED DOWN

CURB REFECTORS AND TUBULAR MARKERS SHALL MATCH THE COLOR OF THE ADJACENT STRIPING

LEGEND

(✳)	1-18" YELLOW SURFACE MOUNT TUBULAR MARKER
(✳✳)	2-18" YELLOW SURFACE MOUNT TUBULAR MARKERS
	RAISED ISLAND
(△)	1-18" WHITE SURFACE MOUNT TUBULAR MARKER
(△△)	2-18" WHITE SURFACE MOUNT TUBULAR MARKERS

DELINEATOR LAYOUT

SHEET 2 OF 12

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DATE PREPARED	3/12/2020
ROUTE	115
STATE	MO
DISTRICT	SL
SHEET NO.	42
COUNTY	ST LOUIS CITY
JOB NO.	J6S3258
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

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SPECIAL SHEET
ROUTE 115
SHEET 20 OF 30

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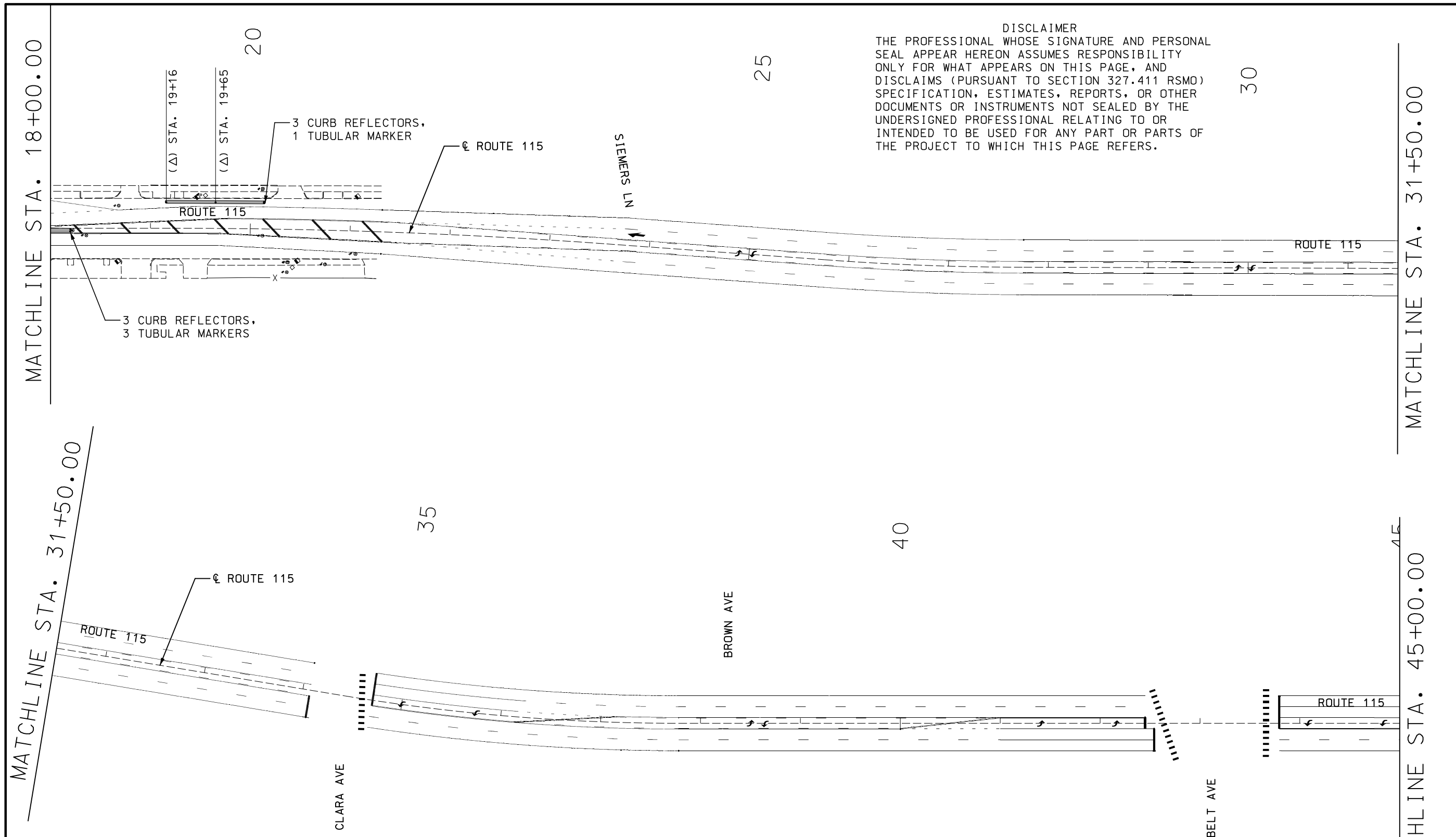

NOTES:

SURFACE MOUNT TUBULAR MARKERS SHALL BE BOLTED DOWN

CURB REFECTORS AND TUBULAR MARKERS SHALL MATCH THE COLOR OF THE ADJACENT STRIPING

LEGEND

(Δ) 1-18" WHITE SURFACE MOUNT TUBULAR MARKER

RAISED ISLAND

SCALE
0 50 100 150

DELINEATOR LAYOUT

SHEET 3 OF 12

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

DATE PREPARED	3/12/2020
ROUTE	115
STATE	MO
DISTRICT	SL
SHEET NO.	43
COUNTY	ST LOUIS CITY
JOB NO.	J6S3258
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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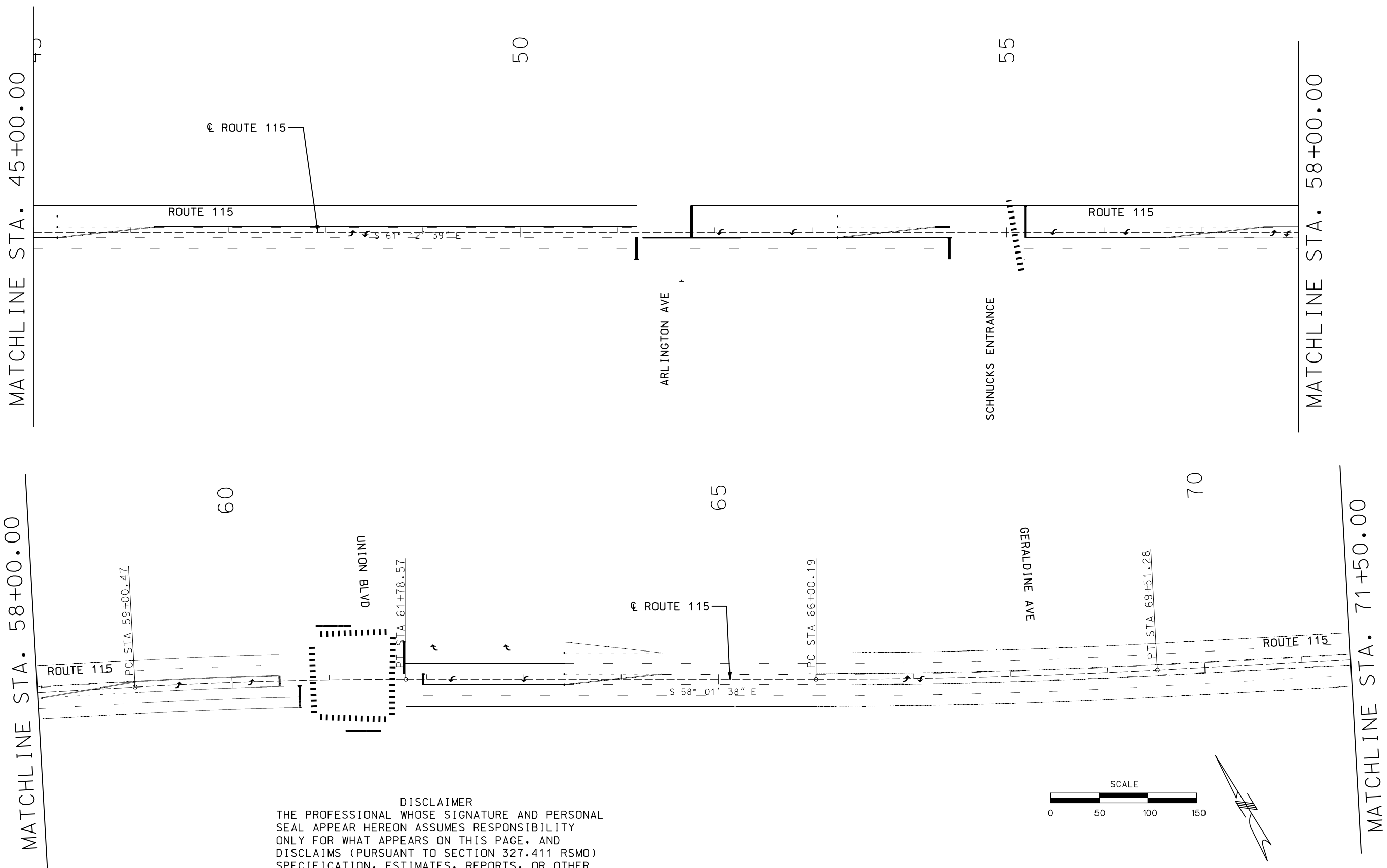
SPECIAL SHEET
ROUTE 115
SHEET 21 OF 30



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DELINEATOR LAYOUT

SHEET 4 OF 12

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DATE PREPARED	3/12/2020
ROUTE	115
STATE	MO
DISTRICT	SL
SHEET NO.	44
COUNTY	ST LOUIS CITY
JOB NO.	J6S3258
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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SPECIAL SHEET
ROUTE 115
SHEET 22 OF 30

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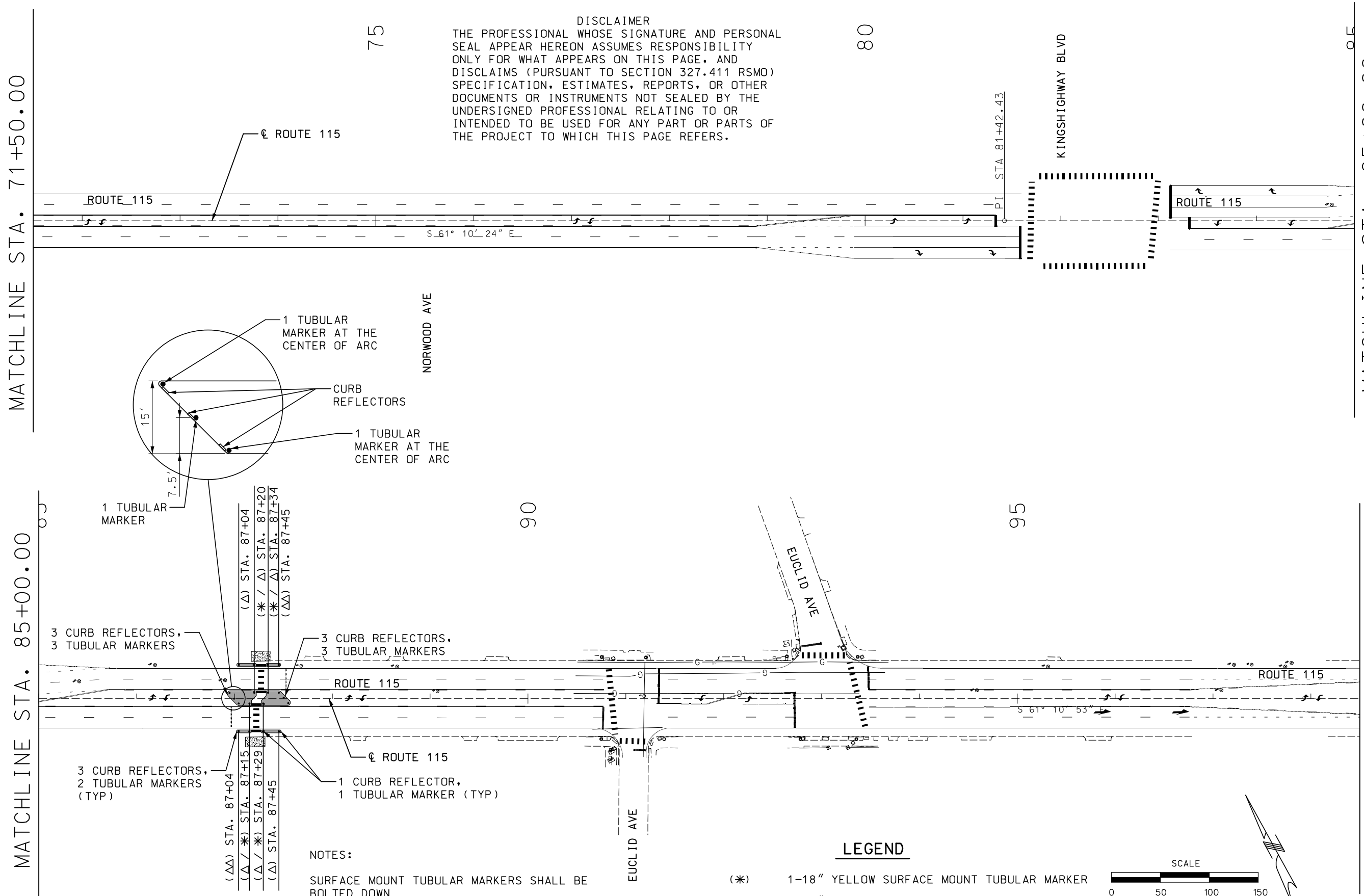

NOTES:

SURFACE MOUNT TUBULAR MARKERS SHALL BE BOLTED DOWN

CURB REFECTORS AND TUBULAR MARKERS SHALL MATCH THE COLOR OF THE ADJACENT STRIPING

LEGEND

(✳)	1-18" YELLOW SURFACE MOUNT TUBULAR MARKER
(✳✳)	2-18" YELLOW SURFACE MOUNT TUBULAR MARKERS
	RAISED ISLAND
(△)	1-18" WHITE SURFACE MOUNT TUBULAR MARKER
(△△)	2-18" WHITE SURFACE MOUNT TUBULAR MARKERS

DELINEATOR LAYOUT

SHEET 5 OF 12

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DATE PREPARED	
3/12/2020	
ROUTE 115	STATE MO
DISTRICT SL	SHEET NO. 45
COUNTY ST LOUIS CITY	
JOB NO. J6S3258	
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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SPECIAL SHEET
ROUTE 115
SHEET 23 OF 30

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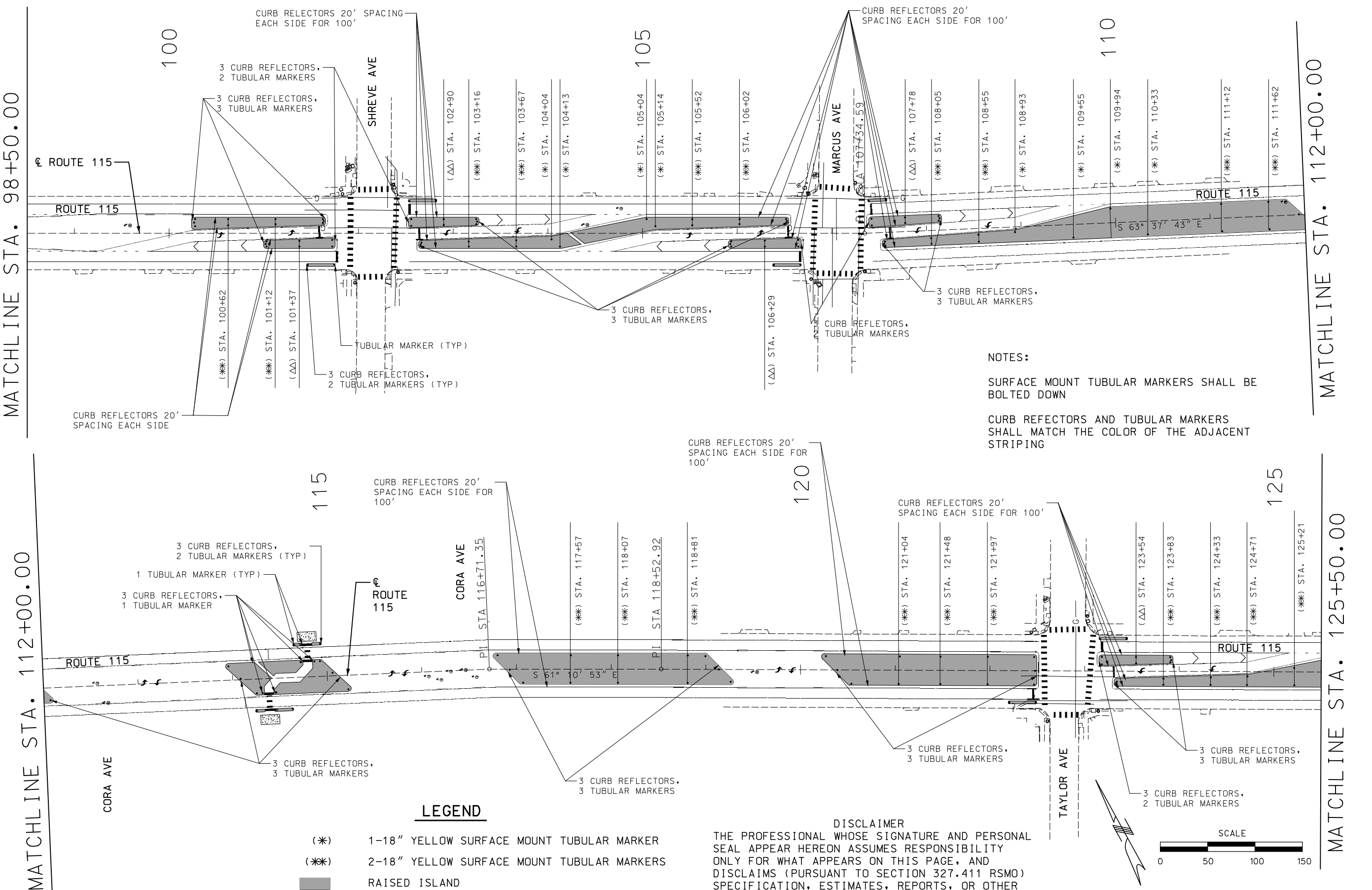

NOTES:

SURFACE MOUNT TUBULAR MARKERS SHALL BE BOLTED DOWN

CURB REFECTORS AND TUBULAR MARKERS SHALL MATCH THE COLOR OF THE ADJACENT STRIPING

LEGEND

(✱)	1-18" YELLOW SURFACE MOUNT TUBULAR MARKER
(✱✱)	2-18" YELLOW SURFACE MOUNT TUBULAR MARKERS
	RAISED ISLAND
(Δ)	1-18" WHITE SURFACE MOUNT TUBULAR MARKER
(ΔΔ)	2-18" WHITE SURFACE MOUNT TUBULAR MARKERS

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DELINEATOR LAYOUT

SHEET 6 OF 12

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DATE PREPARED	
3/12/2020	
ROUTE 115	STATE MO
DISTRICT SL	SHEET NO. 46
COUNTY ST LOUIS CITY	
JOB NO. J6S3258	
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)

ACCESS ENGINEERING LLC
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SPECIAL SHEET
ROUTE 115
SHEET 24 OF 30

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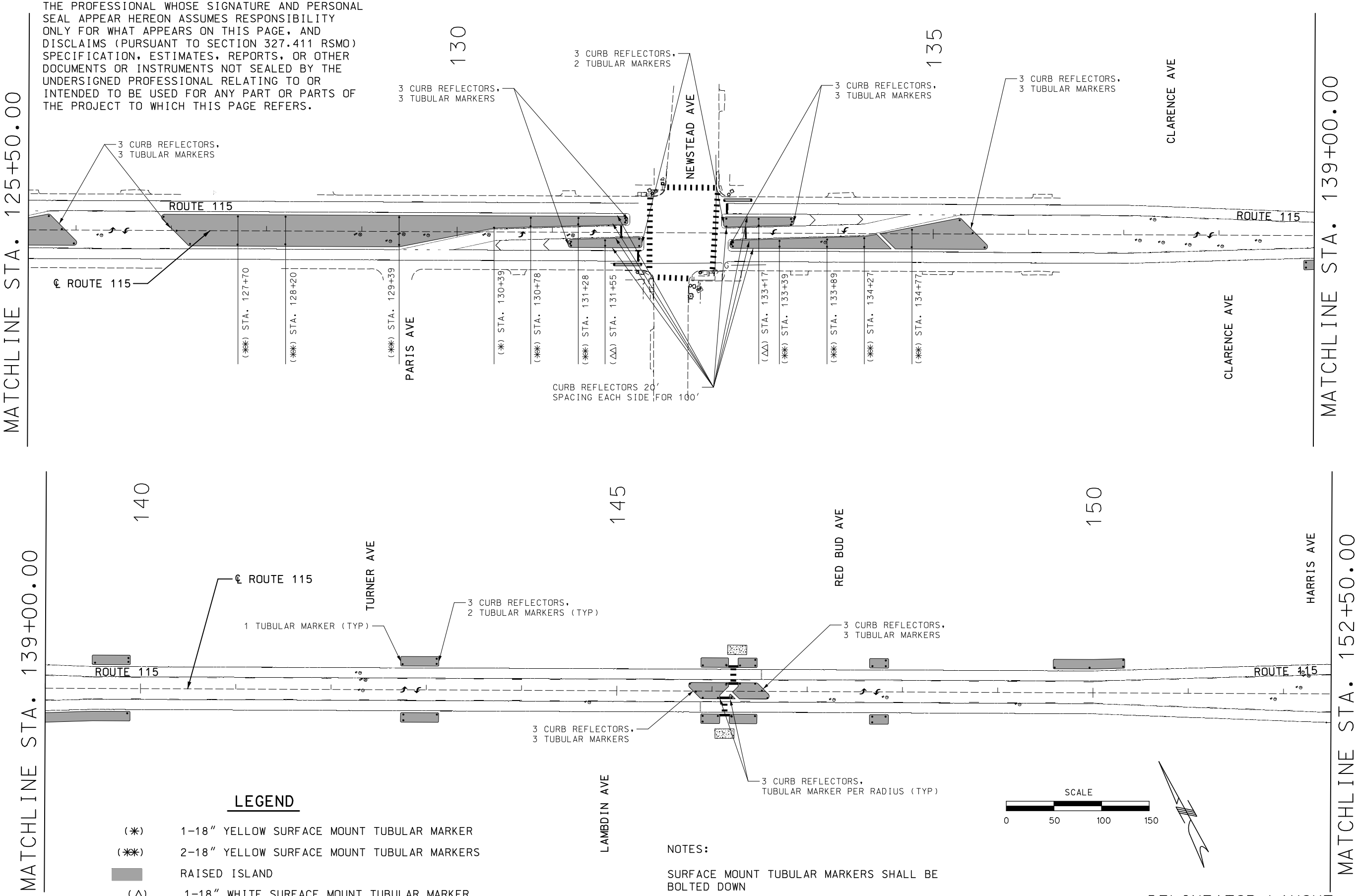

LEGEND

(✱)	1-18" YELLOW SURFACE MOUNT TUBULAR MARKER
(✱✱)	2-18" YELLOW SURFACE MOUNT TUBULAR MARKERS
	RAISED ISLAND
(△)	1-18" WHITE SURFACE MOUNT TUBULAR MARKER
(△△)	2-18" WHITE SURFACE MOUNT TUBULAR MARKERS

NOTES:

SURFACE MOUNT TUBULAR MARKERS SHALL BE BOLTED DOWN

CURB REFECTORS AND TUBULAR MARKERS SHALL MATCH THE COLOR OF THE ADJACENT STRIPING

DELINEATOR LAYOUT

SHEET 7 OF 12

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DATE PREPARED	
3/12/2020	
ROUTE 115	STATE MO
DISTRICT SL	SHEET NO. 47
COUNTY ST LOUIS CITY	
JOB NO. J6S3258	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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

ACCESS ENGINEERING LLC
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SPECIAL SHEET
ROUTE 115
SHEET 25 OF 30

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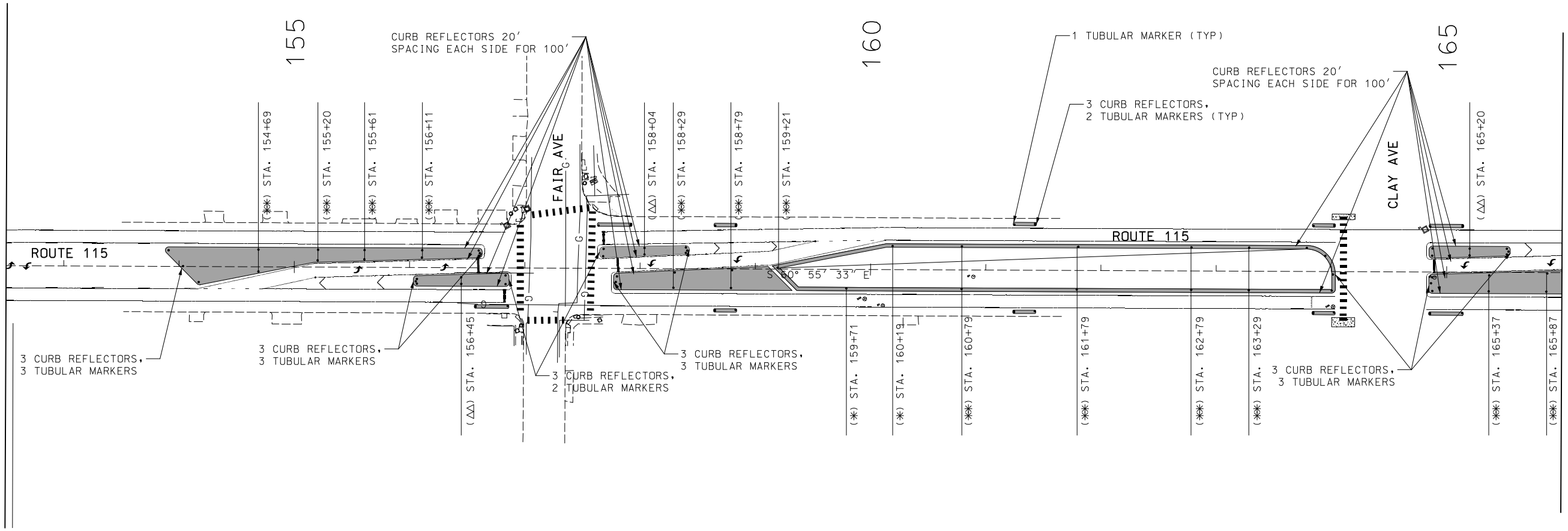

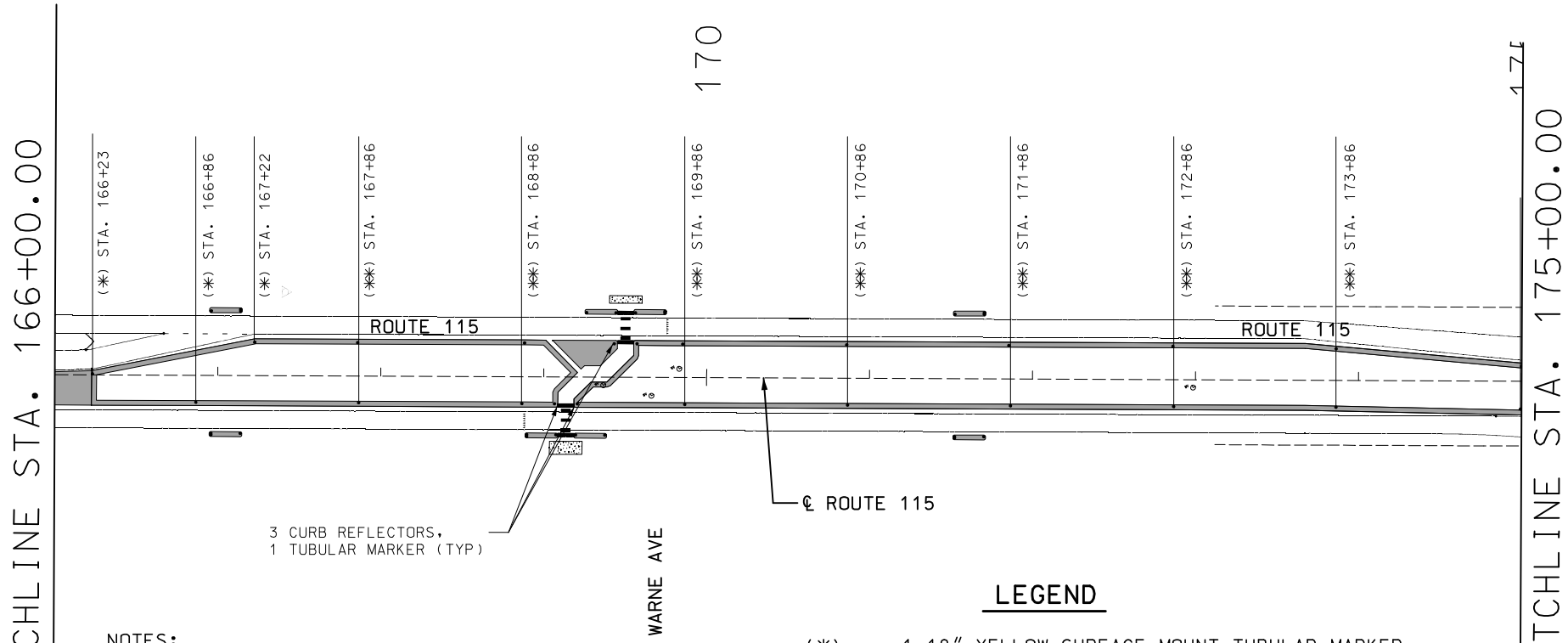

NOTES:

SURFACE MOUNT TUBULAR MARKERS SHALL BE BOLTED DOWN

CURB REFECTORS AND TUBULAR MARKERS SHALL MATCH THE COLOR OF THE ADJACENT STRIPING

LEGEND

(✱)	1-18" YELLOW SURFACE MOUNT TUBULAR MARKER
(✱✱)	2-18" YELLOW SURFACE MOUNT TUBULAR MARKERS
	RAISED ISLAND
(Δ)	1-18" WHITE SURFACE MOUNT TUBULAR MARKER
(ΔΔ)	2-18" WHITE SURFACE MOUNT TUBULAR MARKERS

SCALE

0 50 100 150

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DELINEATOR LAYOUT

SHEET 8 OF 12

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DATE PREPARED	3/12/2020
ROUTE	115
STATE	MO
DISTRICT	SL
SHEET NO.	48
COUNTY	ST LOUIS CITY
JOB NO.	J6S3258
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)

ACCESS ENGINEERING LLC
11820 TESSON FERRY ROAD
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SPECIAL SHEET
ROUTE 115
SHEET 26 OF 30

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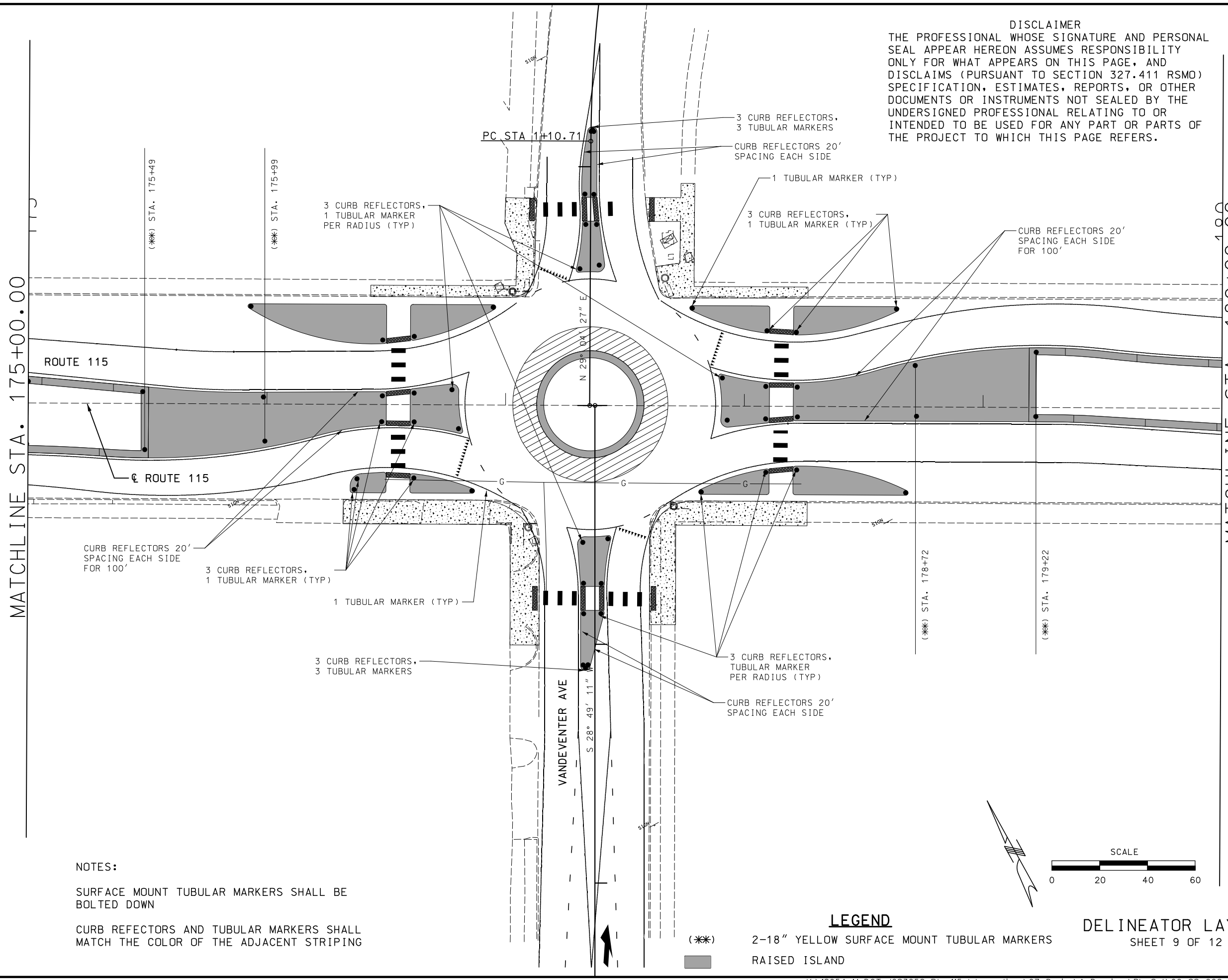

NOTES:

SURFACE MOUNT TUBULAR MARKERS SHALL BE BOLTED DOWN

CURB REFECTORS AND TUBULAR MARKERS SHALL MATCH THE COLOR OF THE ADJACENT STRIPING

LEGEND

(✱✱) 2-18" YELLOW SURFACE MOUNT TUBULAR MARKERS

RAISED ISLAND

DELINEATOR LAYOUT

SHEET 9 OF 12

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DATE PREPARED	
3/12/2020	
ROUTE 115	STATE MO
DISTRICT SL	SHEET NO. 49
COUNTY ST LOUIS CITY	
JOB NO. J6S3258	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

DATE

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SPECIAL SHEET
ROUTE 115
SHEET 27 OF 30

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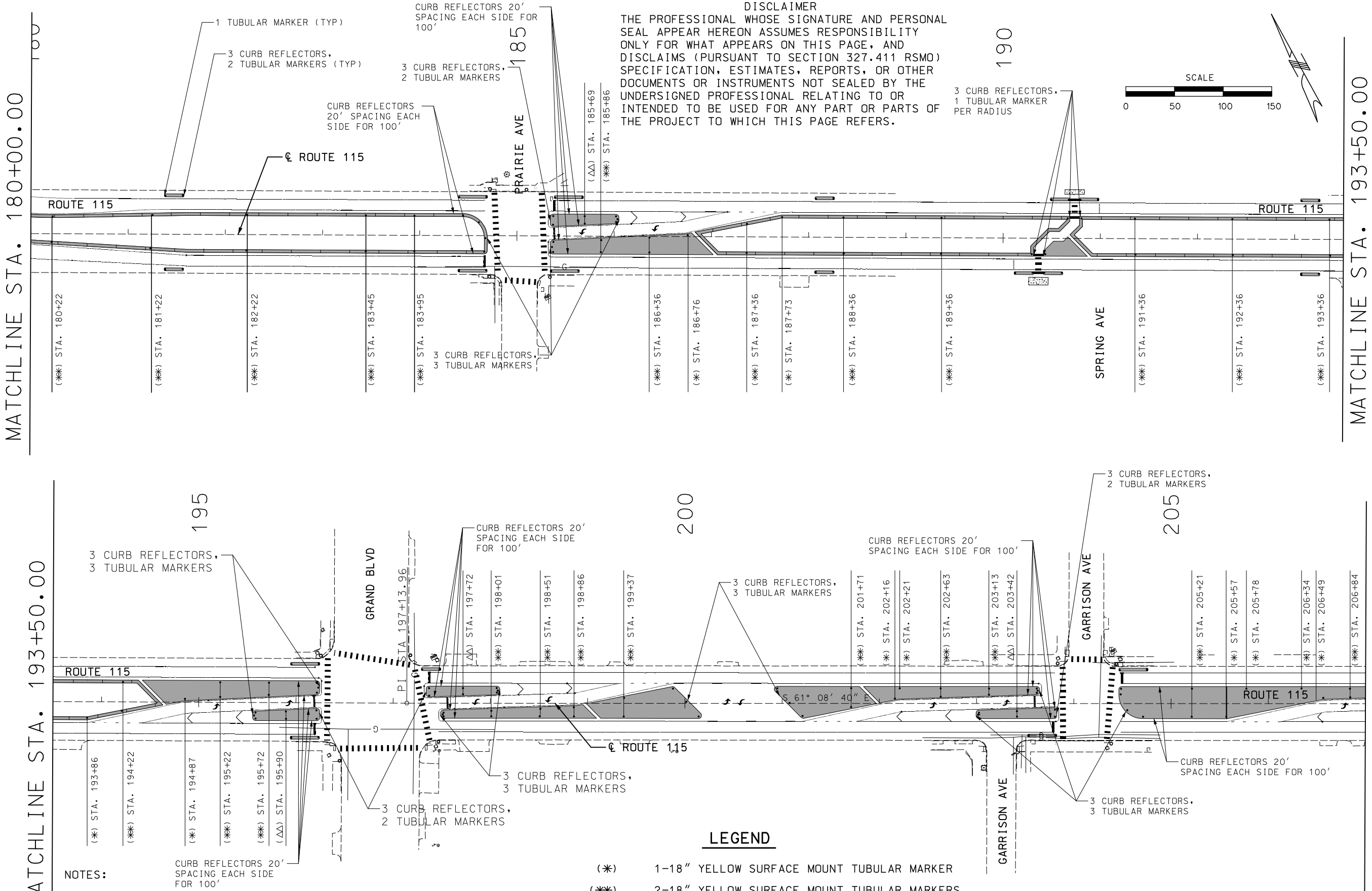

NOTES:

SURFACE MOUNT TUBULAR MARKERS SHALL BE BOLTED DOWN

CURB REFECTORS AND TUBULAR MARKERS SHALL MATCH THE COLOR OF THE ADJACENT STRIPING

LEGEND

(✱)	1-18" YELLOW SURFACE MOUNT TUBULAR MARKER
(✱✱)	2-18" YELLOW SURFACE MOUNT TUBULAR MARKERS
	RAISED ISLAND
(Δ)	1-18" WHITE SURFACE MOUNT TUBULAR MARKER
(ΔΔ)	2-18" WHITE SURFACE MOUNT TUBULAR MARKERS

DELINEATOR LAYOUT

SHEET 10 OF 12

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DATE PREPARED	
3/12/2020	
ROUTE 115	STATE MO
DISTRICT SL	SHEET NO. 50
COUNTY ST LOUIS CITY	
JOB NO. J6S3258	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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SPECIAL SHEET
ROUTE 115
SHEET 28 OF 30

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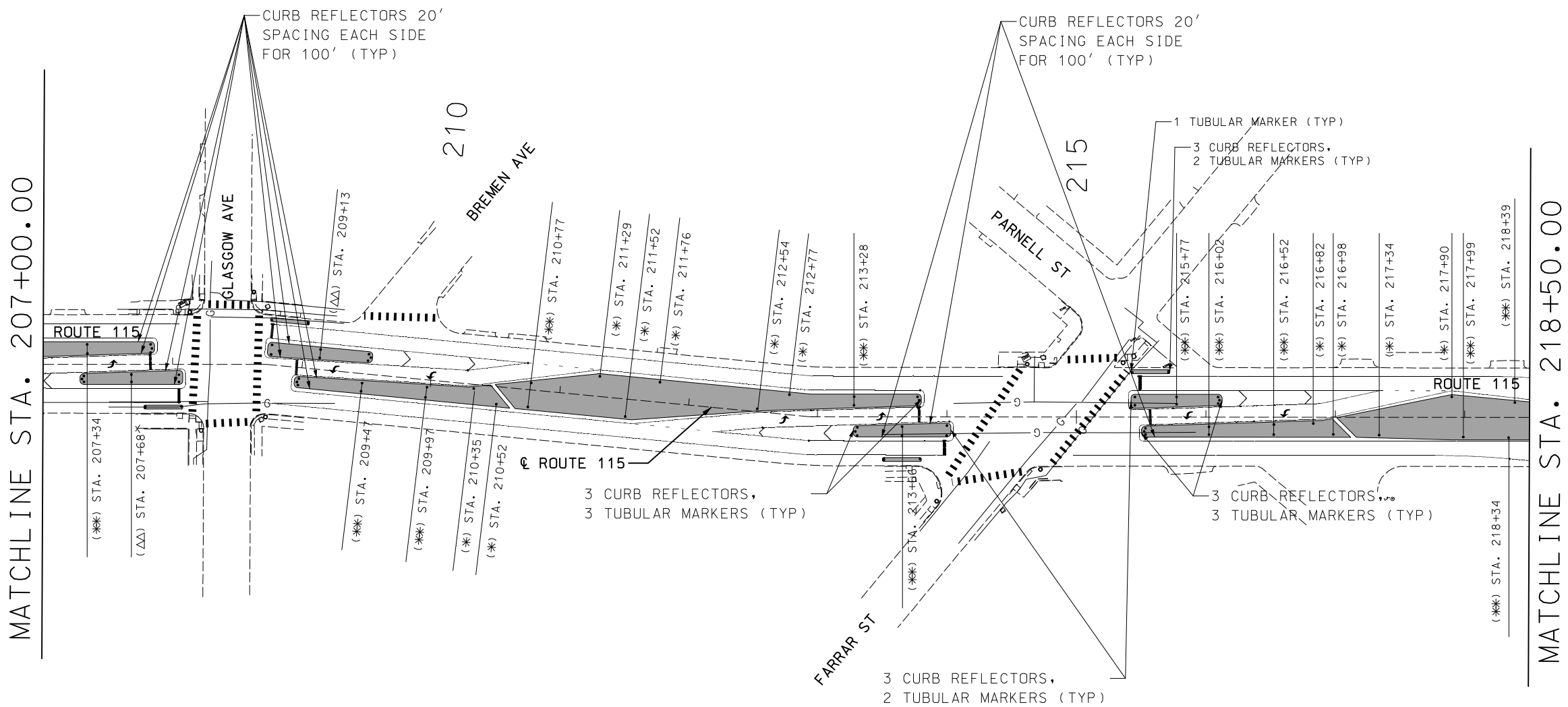

NOTES:

SURFACE MOUNT TUBULAR MARKERS SHALL BE BOLTED DOWN

CURB REFECTORS AND TUBULAR MARKERS SHALL MATCH THE COLOR OF THE ADJACENT STRIPING

LEGEND

(✱)	1-18″ YELLOW SURFACE MOUNT TUBULAR MARKER
(✱✱)	2-18″ YELLOW SURFACE MOUNT TUBULAR MARKERS
	RAISED ISLAND
(△)	1-18″ WHITE SURFACE MOUNT TUBULAR MARKER
(△△)	2-18″ WHITE SURFACE MOUNT TUBULAR MARKERS

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SCALE
0 50 100 150

DELINEATOR LAYOUT

SHEET 11 OF 12

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

DATE PREPARED	3/12/2020
ROUTE	115
STATE	MO
DISTRICT	SL
SHEET NO.	51
COUNTY	ST LOUIS CITY
JOB NO.	J6S3258
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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SPECIAL SHEET
ROUTE 115
SHEET 29 OF 30

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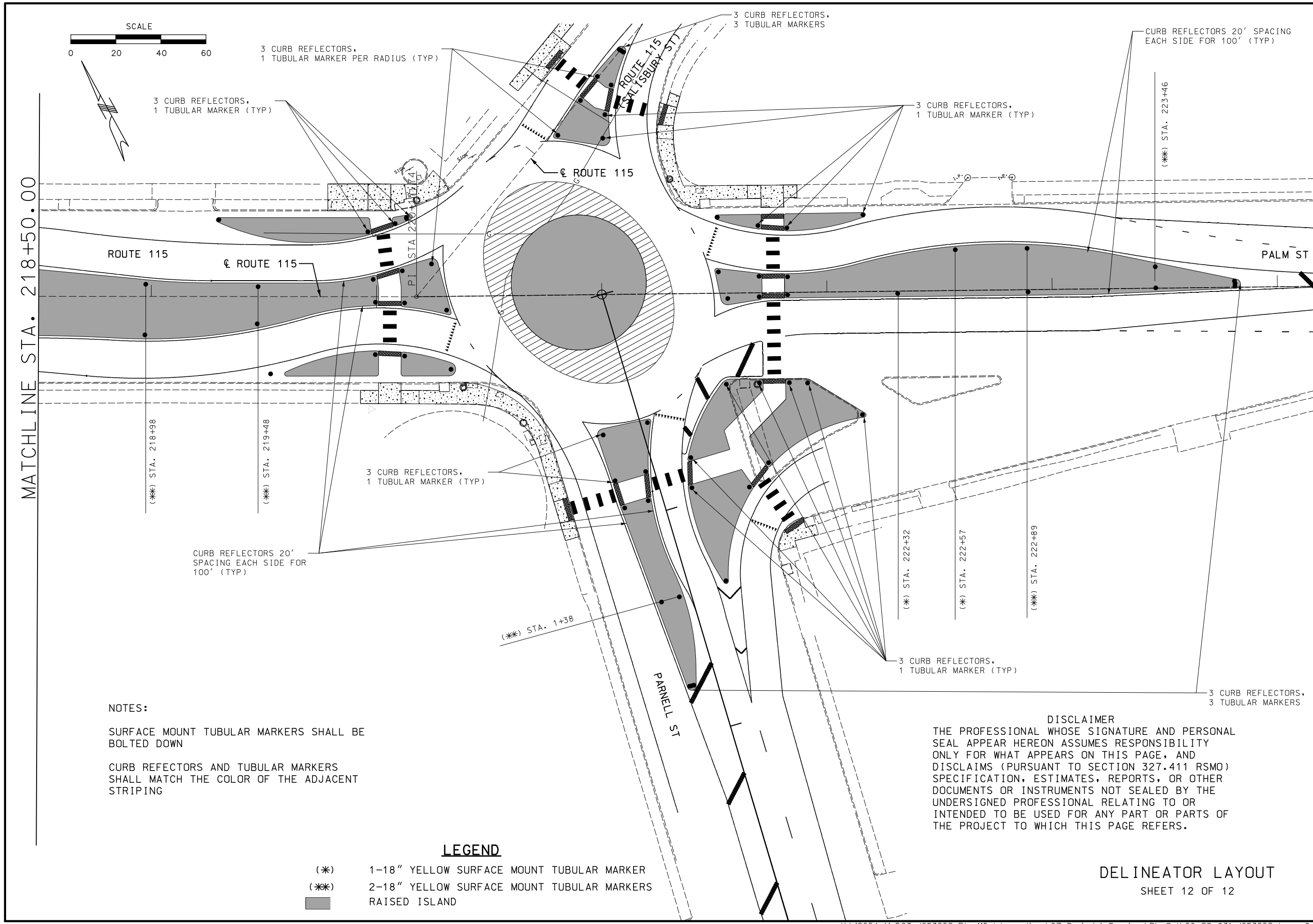

NOTES:

SURFACE MOUNT TUBULAR MARKERS SHALL BE BOLTED DOWN

CURB REFECTORS AND TUBULAR MARKERS SHALL MATCH THE COLOR OF THE ADJACENT STRIPING

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LEGEND

(✱) 1-18" YELLOW SURFACE MOUNT TUBULAR MARKER

(✱✱) 2-18" YELLOW SURFACE MOUNT TUBULAR MARKERS

RAISED ISLAND

DELINEATOR LAYOUT

SHEET 12 OF 12

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DATE PREPARED	
3/12/2020	
ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	52
COUNTY	
ST LOUIS CITY	
JOB NO.	
J6S3258	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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SPECIAL SHEET
ROUTE 115
SHEET 30 OF 30

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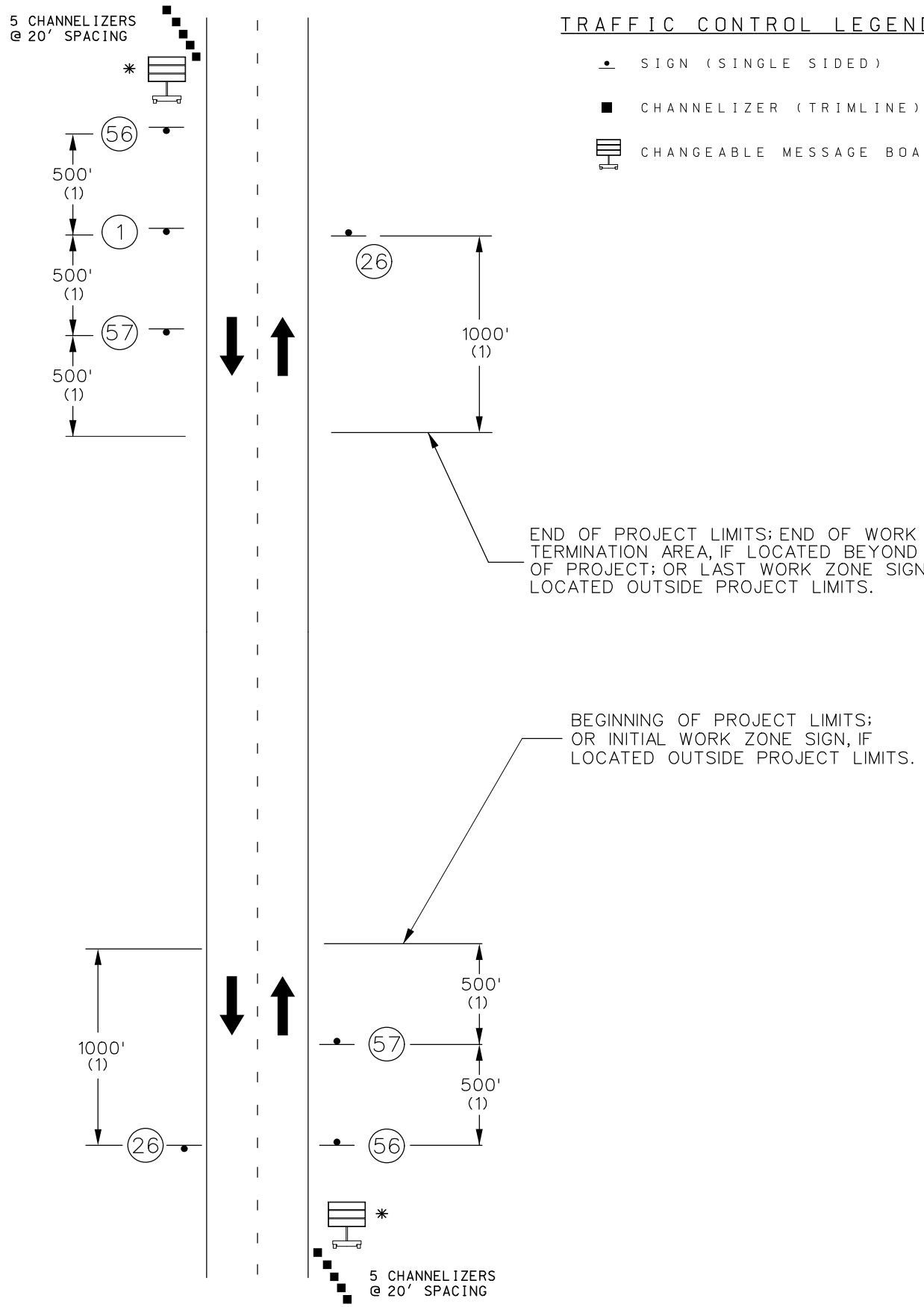


BEGIN/END OF PROJECT SIGNING

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIMLINE)
- CHANGEABLE MESSAGE BOARD (CMS)

NOTES:
OTHER SIGNS SUCH AS DETOUR OR ALTERNATE ROUTE SIGNING MAY BE USED OUTSIDE THE PROJECT LIMITS.

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

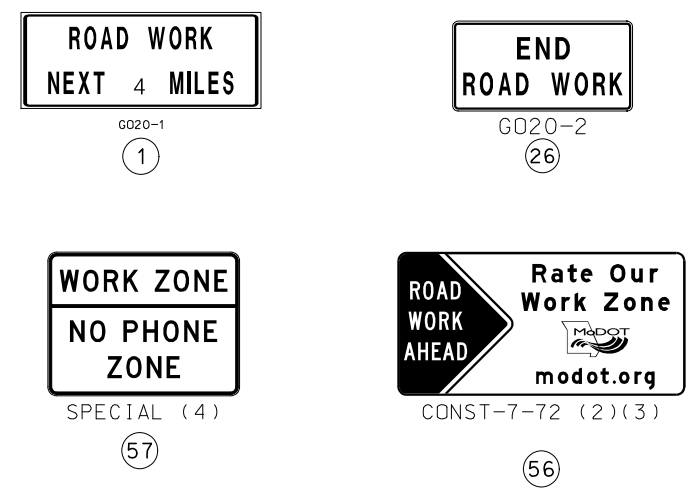
(1) DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS. WHERE TRAFFIC BACKUPS ARE EXPECTED BEYOND THE ADVANCE WARNING AREA, ADDITIONAL SIGNING MAY BE NEEDED.

(2) SIGN CONST-7-72 OR CONST-7-48 IS PLACED 500 FEET BEFORE THE BEGINNING OF PROJECT LIMITS OR THE ROAD WORK AHEAD SIGN OR ROAD WORK NEXT XX MILES SIGN. IF USED, WHEN THESE SIGNS ARE LOCATED OUTSIDE THE PROJECT LIMITS.

(3) THE "RATE OUR WORK ZONE" SIGN IS AVAILABLE IN TWO SIZES DEPENDING ON ROADWAY CONDITIONS. THE 48 IN. X 24 IN. SIGN IS USED ON LOW VOLUME ROUTES THAT CARRY 400 AADT OR LESS, ON PROJECTS THAT HAVE A DURATION OF 4 WEEKS OR LESS OR IN URBAN AREAS WHERE THERE IS INSUFFICIENT LIGHTS OF WAY FOR A SIX FOOT WIDE SIGN. THE 72 IN. X 36 IN. VERSION OF THE SIGN IS USED IN ALL OTHER APPLICATIONS, BUT CAN ALSO BE USED IN PLACE OF THE 48 IN. x 24 IN. SIGN IF ADDED EMPHASIS IS DEEMED NECESSARY.

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

✳ LOCATIONS OF CMS TO BE DETERMINED BY THE ENGINEER



ORDER OF OPERATION:

STAGE 1 - BUILD RAISED MEDIANS INDICATED IN STAGE 1 PLANS
STAGE 2 - MICROSURFACING
STAGE 3 - BUILD REMAINING RAISED MEDIANS, ROUNDABOUTS, AND PAVEMENT MARKING

NOT TO SCALE

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DATE PREPARED	
3/12/2020	
ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	53
COUNTY	
ST LOUIS CITY	
JOB NO.	
J6S3258	
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)

ACCESS ENGINEERING LLC
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(314) 849-8445
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TRAFFIC CONTROL
ROUTE 115
SHEET 1 OF 10

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

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- DIRECTIONAL INDICATOR BARRICADE (DIB)
- CHANNELIZER (TRIMLINE)
- WORKING AREA
- FLASHING ARROW PANEL

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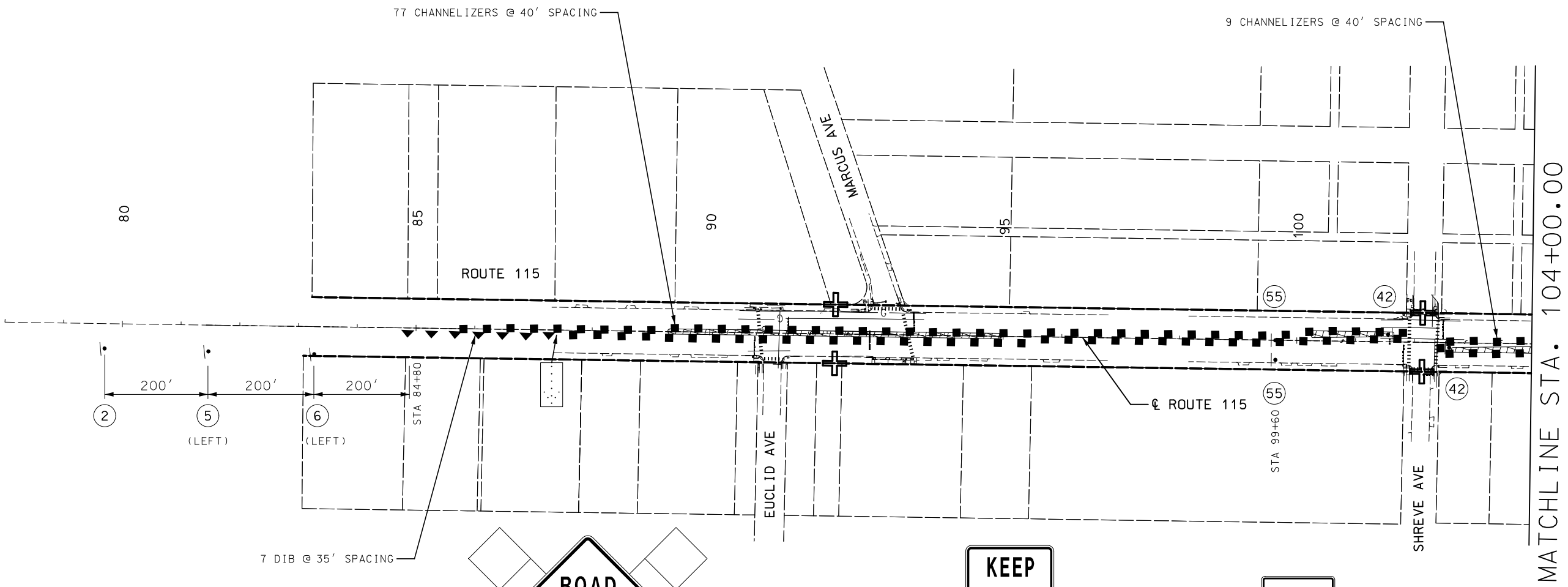

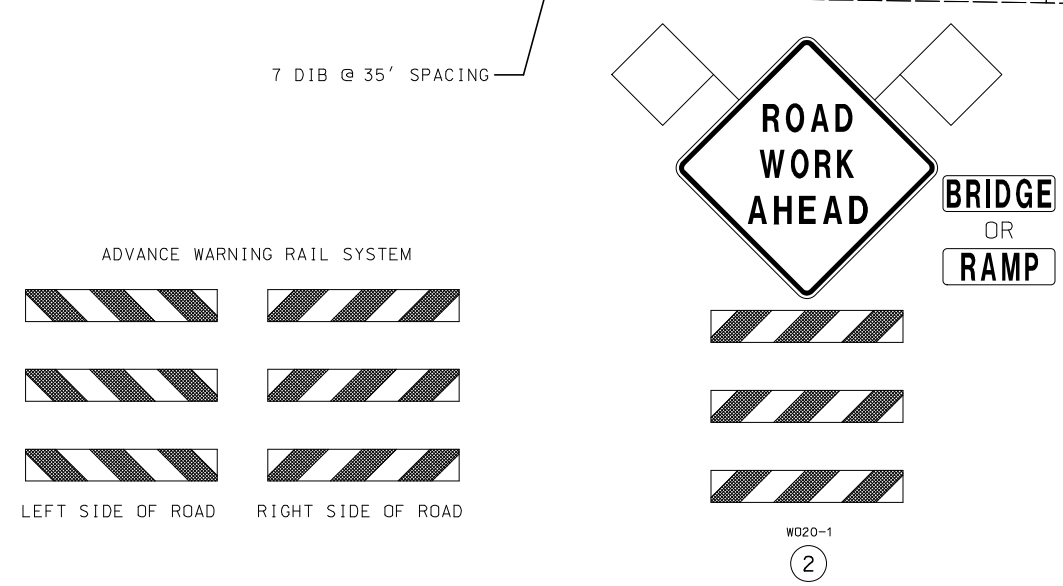

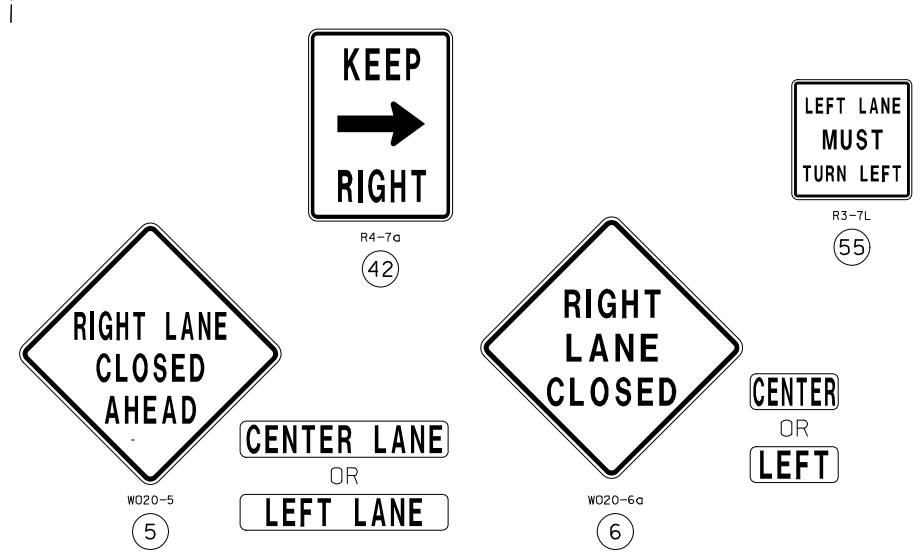

STAGE 1

NOT TO SCALE. FOLLOW DIMENSIONS.

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DATE PREPARED	3/12/2020
ROUTE	115
STATE	MO
DISTRICT	SL
SHEET NO.	54
COUNTY	ST LOUIS CITY
JOB NO.	J6S3258
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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TRAFFIC CONTROL
ROUTE 115
SHEET 2 OF 10

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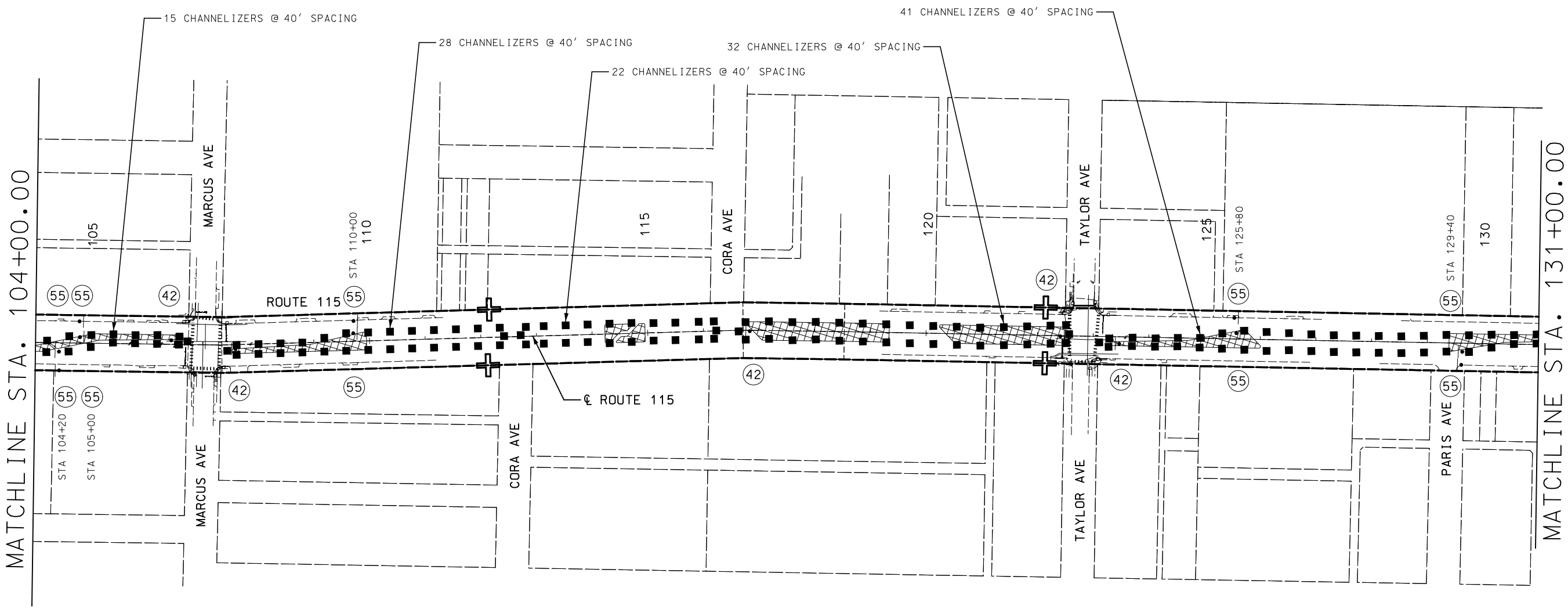
TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIMLINE)
- WORKING AREA



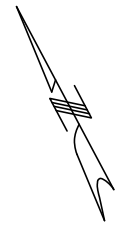
STAGE 1

R4-7a

42

R3-7L

55



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DATE PREPARED	3/12/2020
ROUTE	115
STATE	MO
DISTRICT	SL
SHEET NO.	55
COUNTY	ST LOUIS CITY
JOB NO.	J6S3258
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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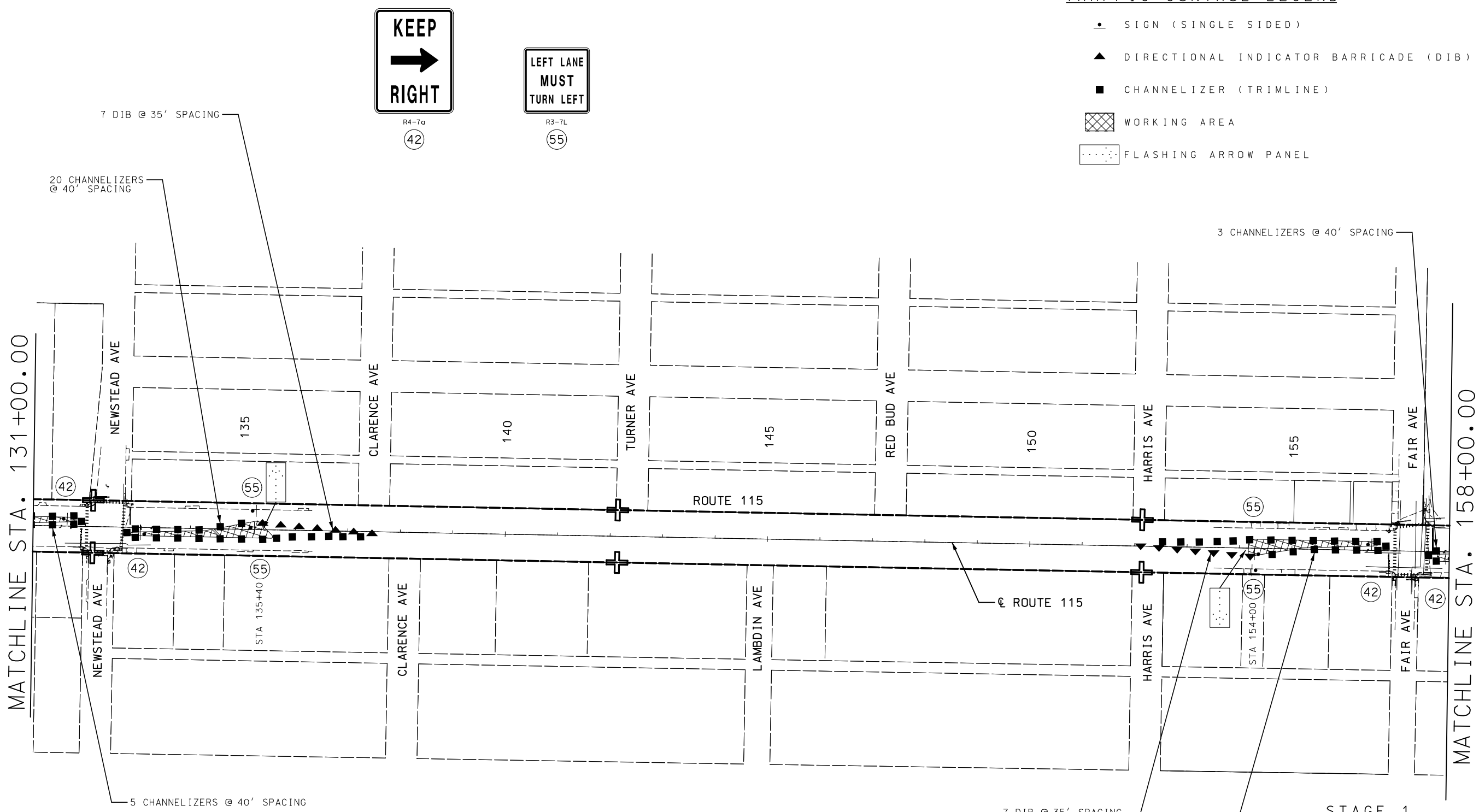
TRAFFIC CONTROL
ROUTE 115
SHEET 3 OF 10



TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- DIRECTIONAL INDICATOR BARRICADE (DIB)
- CHANNELIZER (TRIMLINE)
- WORKING AREA
- FLASHING ARROW PANEL

STAGE 1

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DATE PREPARED	3/12/2020
ROUTE	115
STATE	MO
DISTRICT	SL
SHEET NO.	56
COUNTY	ST LOUIS CITY
JOB NO.	J6S3258
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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TRAFFIC CONTROL
ROUTE 115
SHEET 4 OF 10

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TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIMLINE)
- WORKING AREA

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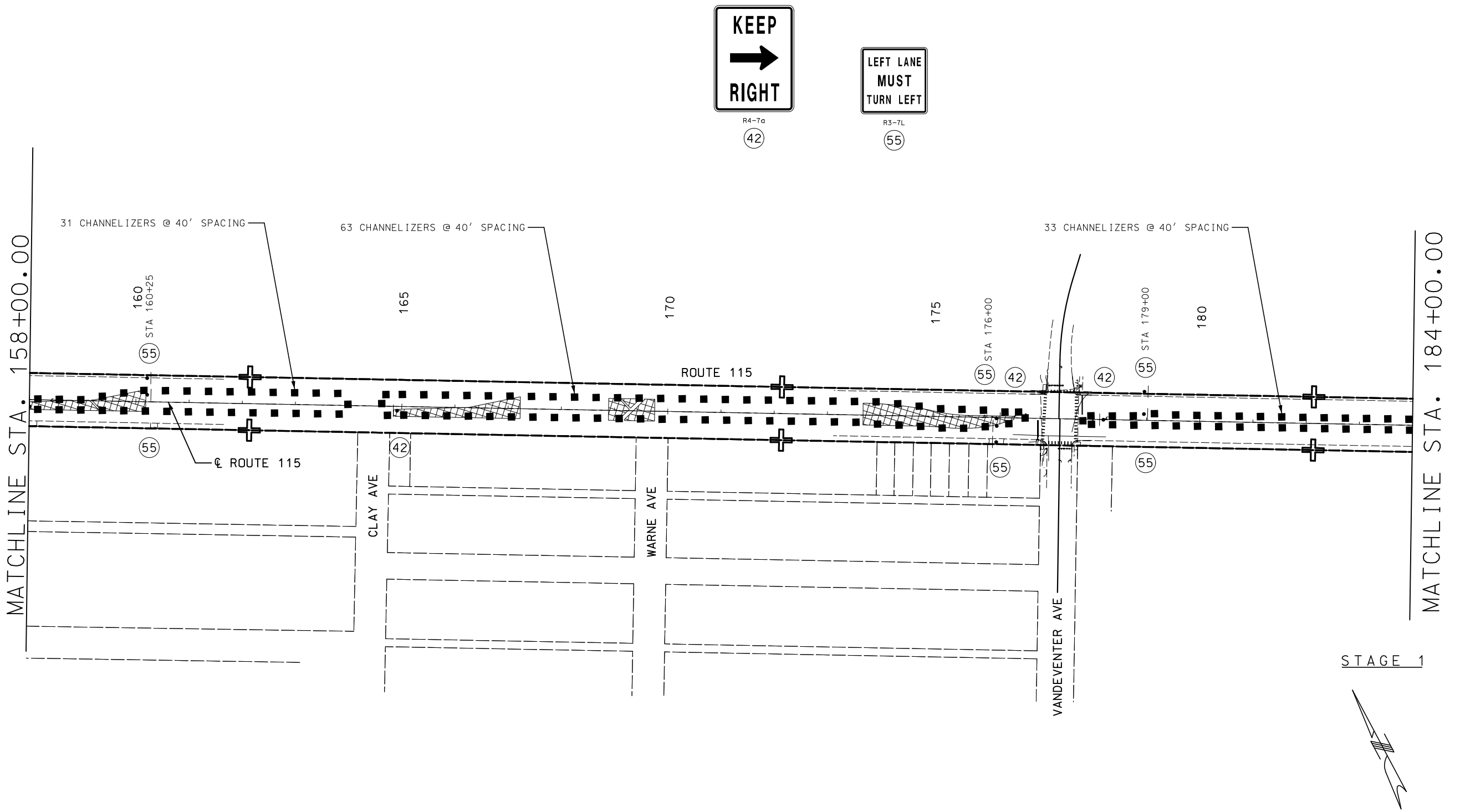

STAGE 1

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DATE PREPARED	3/12/2020
ROUTE	115
STATE	MO
DISTRICT	SL
SHEET NO.	57
COUNTY	ST LOUIS CITY
JOB NO.	J6S3258
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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TRAFFIC CONTROL
ROUTE 115
SHEET 5 OF 10

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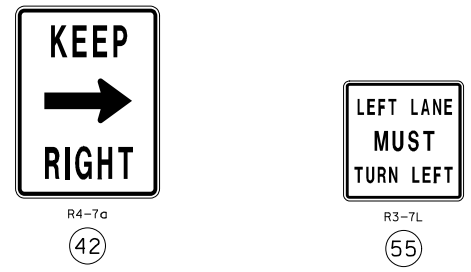
TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIMLINE)
- WORKING AREA



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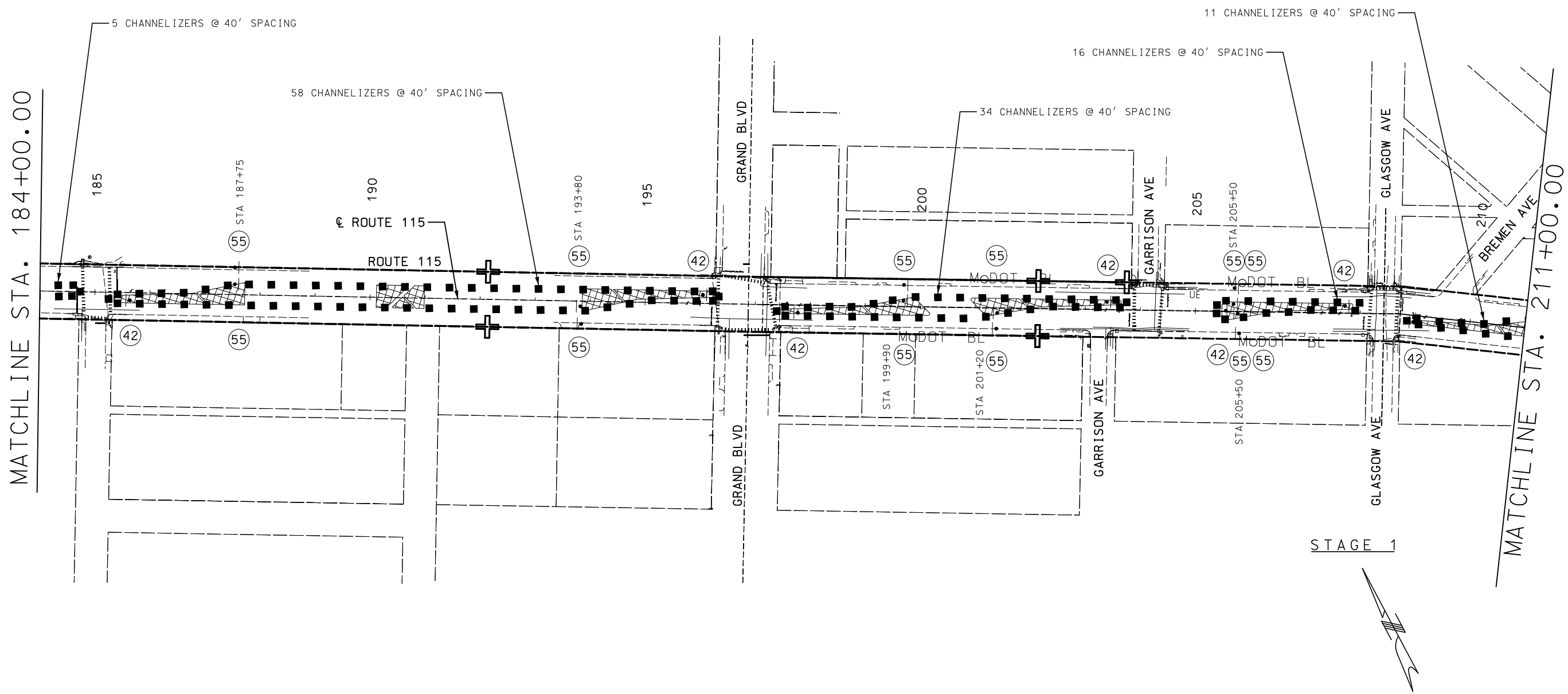

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DATE PREPARED	3/12/2020
ROUTE	115
STATE	MO
DISTRICT	SL
SHEET NO.	58
COUNTY	ST LOUIS CITY
JOB NO.	J6S3258
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

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ENGINEERING CERTIFICATE OF AUTHORITY

TRAFFIC CONTROL
ROUTE 115
SHEET 6 OF 10

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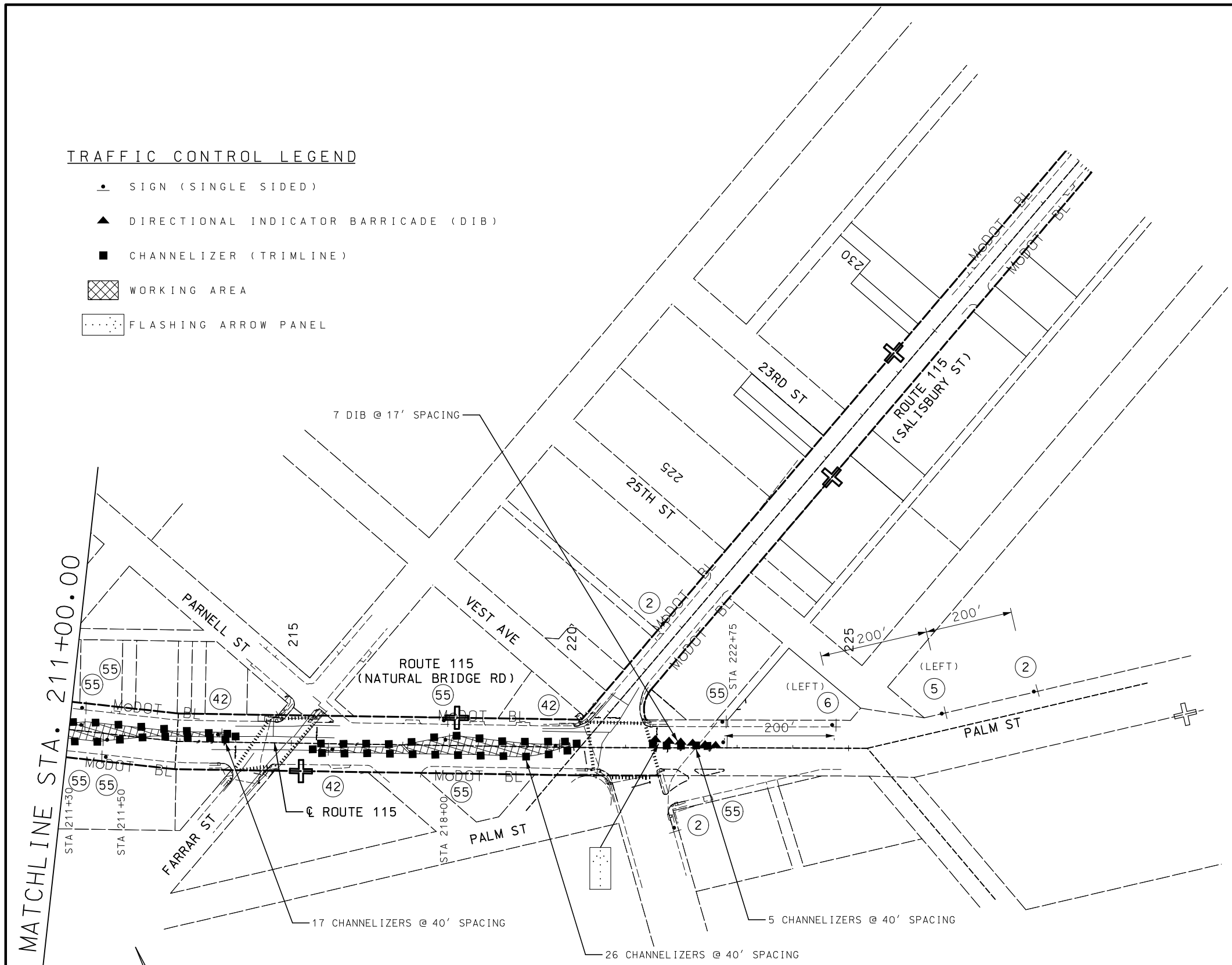
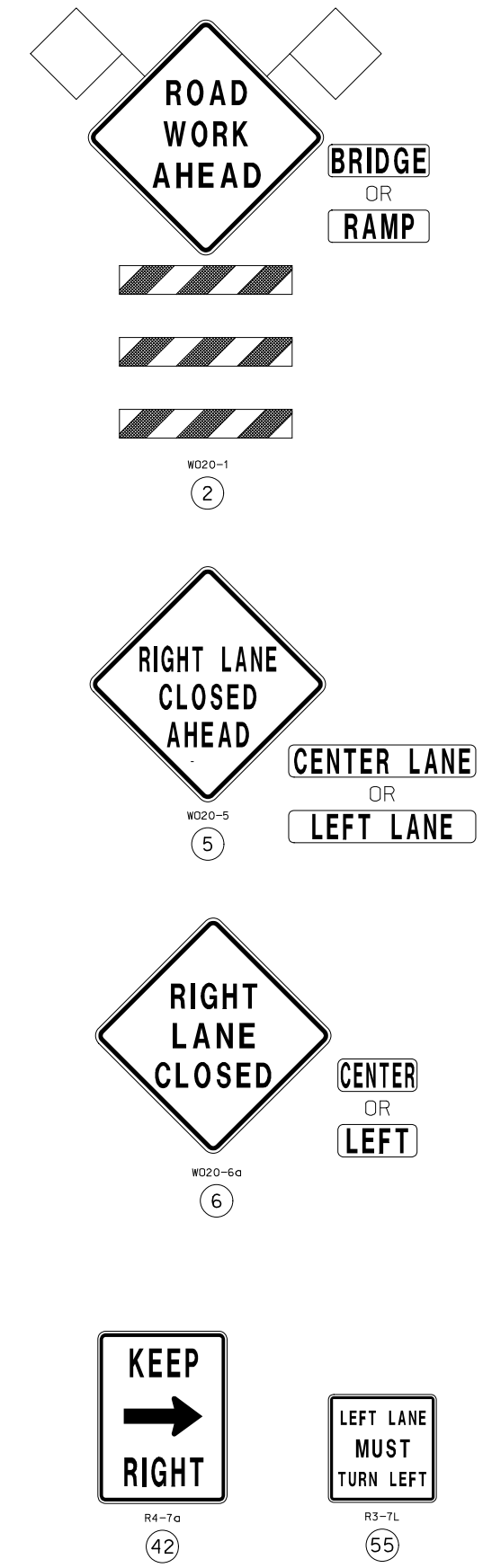
TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- DIRECTIONAL INDICATOR BARRICADE (DIB)
- CHANNELIZER (TRIMLINE)
- WORKING AREA
- FLASHING ARROW PANEL





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STAGE 1

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DATE PREPARED	
3/12/2020	
ROUTE 115	STATE MO
DISTRICT SL	SHEET NO. 59
COUNTY ST LOUIS CITY	
JOB NO. J6S3258	
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)

ACCESS ENGINEERING LLC
11820 TESSON FERRY ROAD
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CIVIL ENGINEERING
ENGINEERING CERTIFICATE OF AUTHORITY

TRAFFIC CONTROL
ROUTE 115
SHEET 7 OF 10

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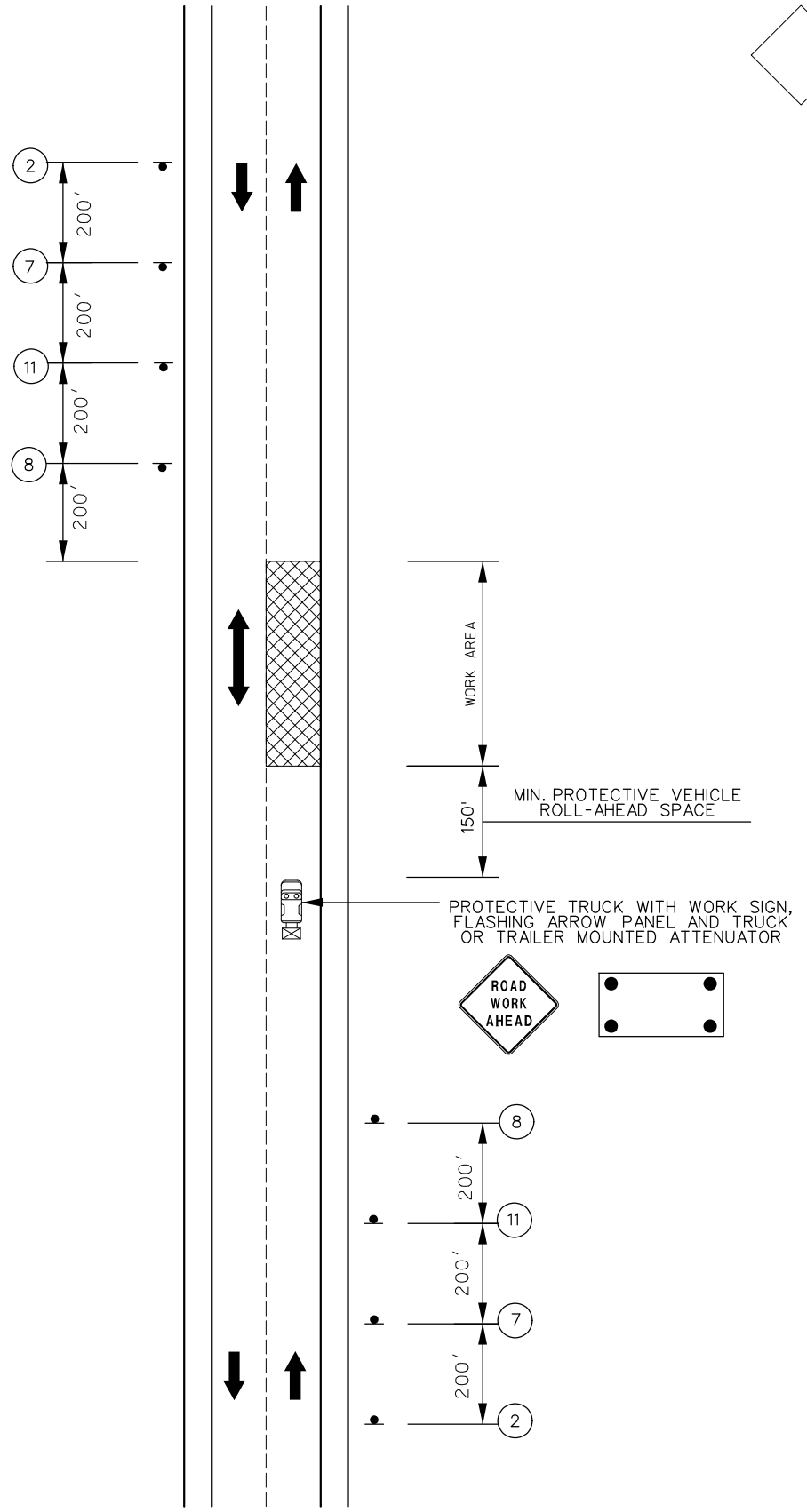
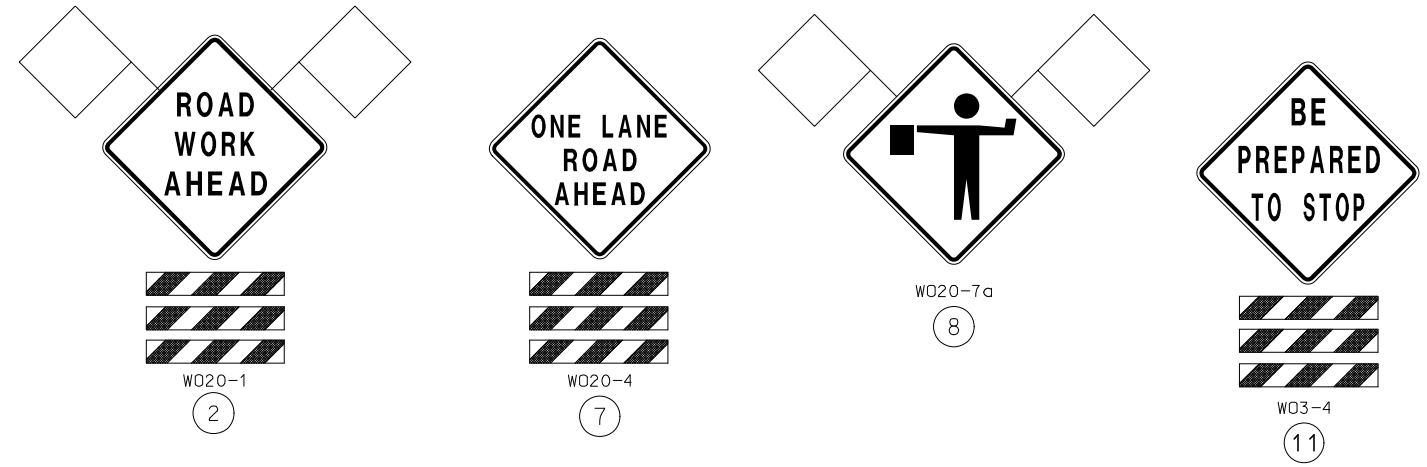


MOBILE OPERATION
ON TWO-LANE HIGHWAYS

NOT TO SCALE



NOTES:

FLASHING ARROW PANELS SHALL BE OPERATED IN CAUTION MODE.

UPON APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY PROVIDE ADDITIONAL PROTECTIVE TRUCKS EQUIPPED WITH PROPER WARNING DEVICES.

SEE EPG TYPICAL APPLICATION 616.10 LANE CLOSURE ON TWO-LANE HIGHWAYS USING FLAGGERS-DE/CM FOR FLAGGER LOCATIONS.

THE FLAGGER POSITION SHOULD BE LOCATED WHERE THEY WILL PROVIDE THE MOST VALUE TO THE MOTORIST AND THE WORK CREW.

PROTECTIVE TRUCK AND WORK VEHICLES SHALL DISPLAY HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

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

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

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIMLINE)
- WORK AREA
- TMA (TRUCK MOUNTED ATTENUATOR)

DISCLAIMER
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STAGES 2 & 3

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

DATE PREPARED	3/12/2020
ROUTE	115
STATE	MO
DISTRICT	SL
SHEET NO.	60
COUNTY	ST LOUIS CITY
JOB NO.	J6S3258
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

TRAFFIC CONTROL
ROUTE 115
SHEET 8 OF 10

NOTES:

UPON APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY PROVIDE ADDITIONAL PROTECTIVE TRUCKS EQUIPPED WITH PROPER WARNING DEVICES.

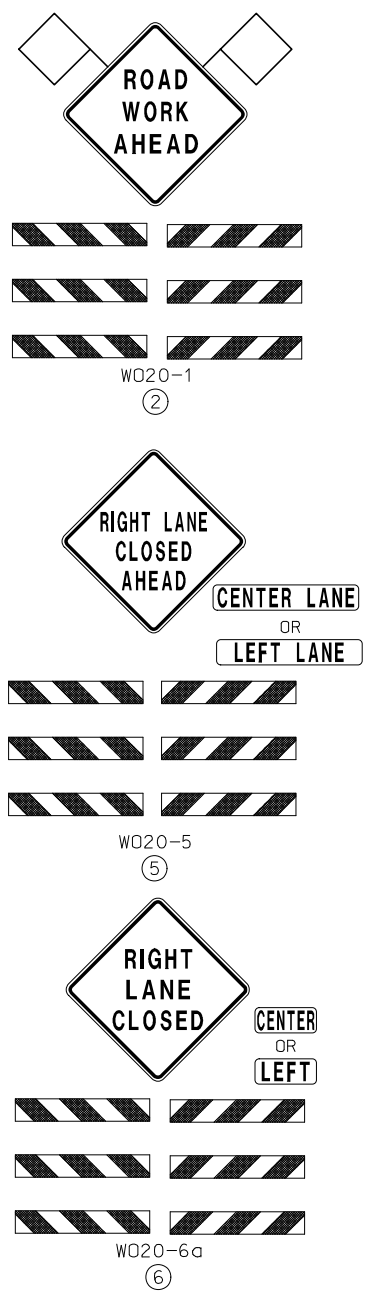
PROTECTIVE TRUCK AND WORK VEHICLES SHALL DISPLAY HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING OR STROBE LIGHTS.

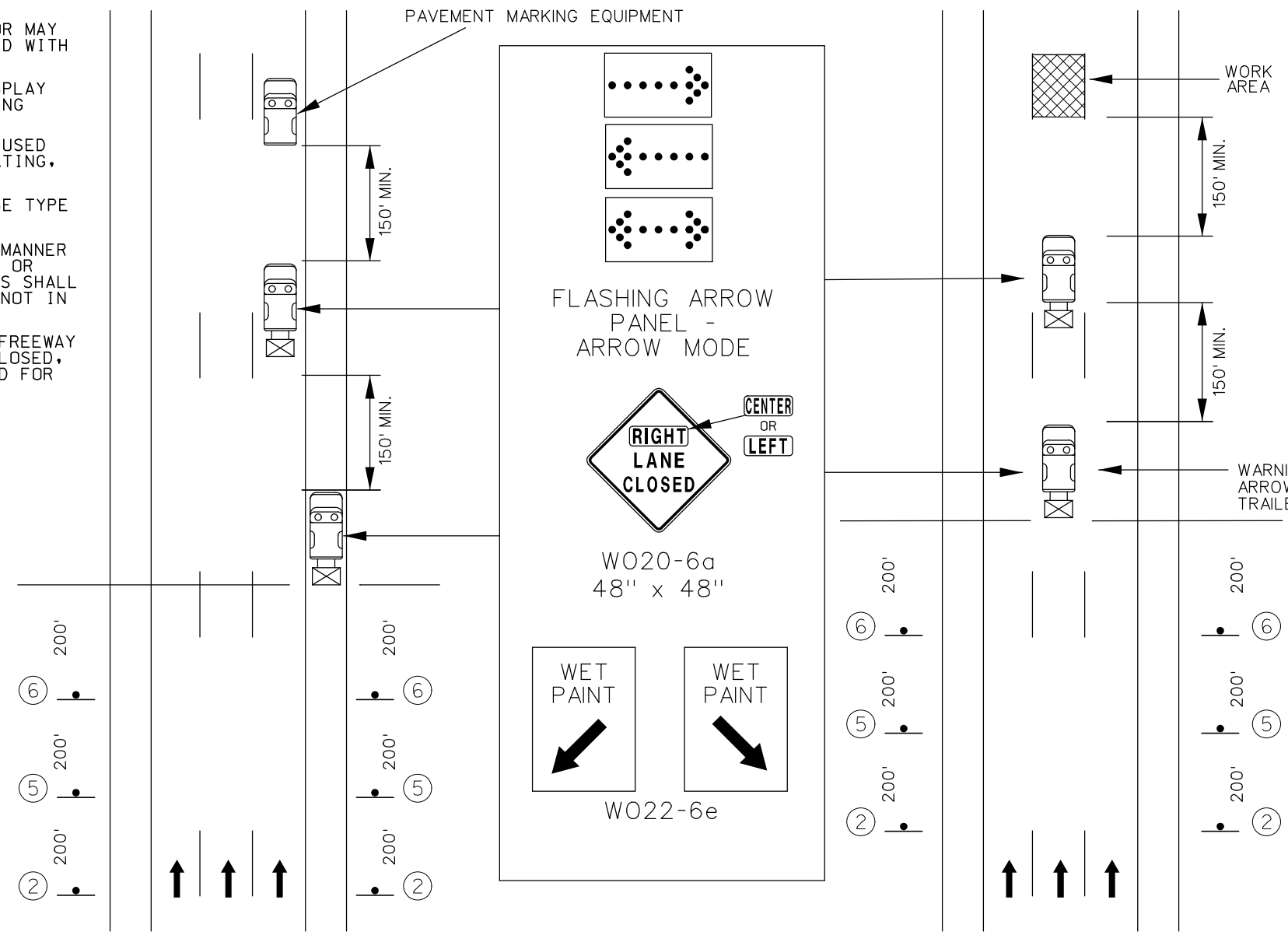
VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

FLASHING ARROW PANELS SHALL, AS A MINIMUM, BE TYPE B, WITH A SIZE OF 60 X 30 INCHES.

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

A FLASHING ARROW BOARD SHALL BE USED WHEN A FREEWAY LANE IS CLOSED. WHEN MORE THAN ONE LANE IS CLOSED, A SEPARATE FLASHING ARROW BOARD SHALL BE USED FOR EACH CLOSED LANE.





TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- WORK AREA
- TMA (TRUCK MOUNTED ATTENUATOR)

NOT TO SCALE

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STAGES 2 & 3

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ROUTE 115	STATE MO
DISTRICT SL	SHEET NO. 61
COUNTY ST LOUIS CITY	
JOB NO. J6S3258	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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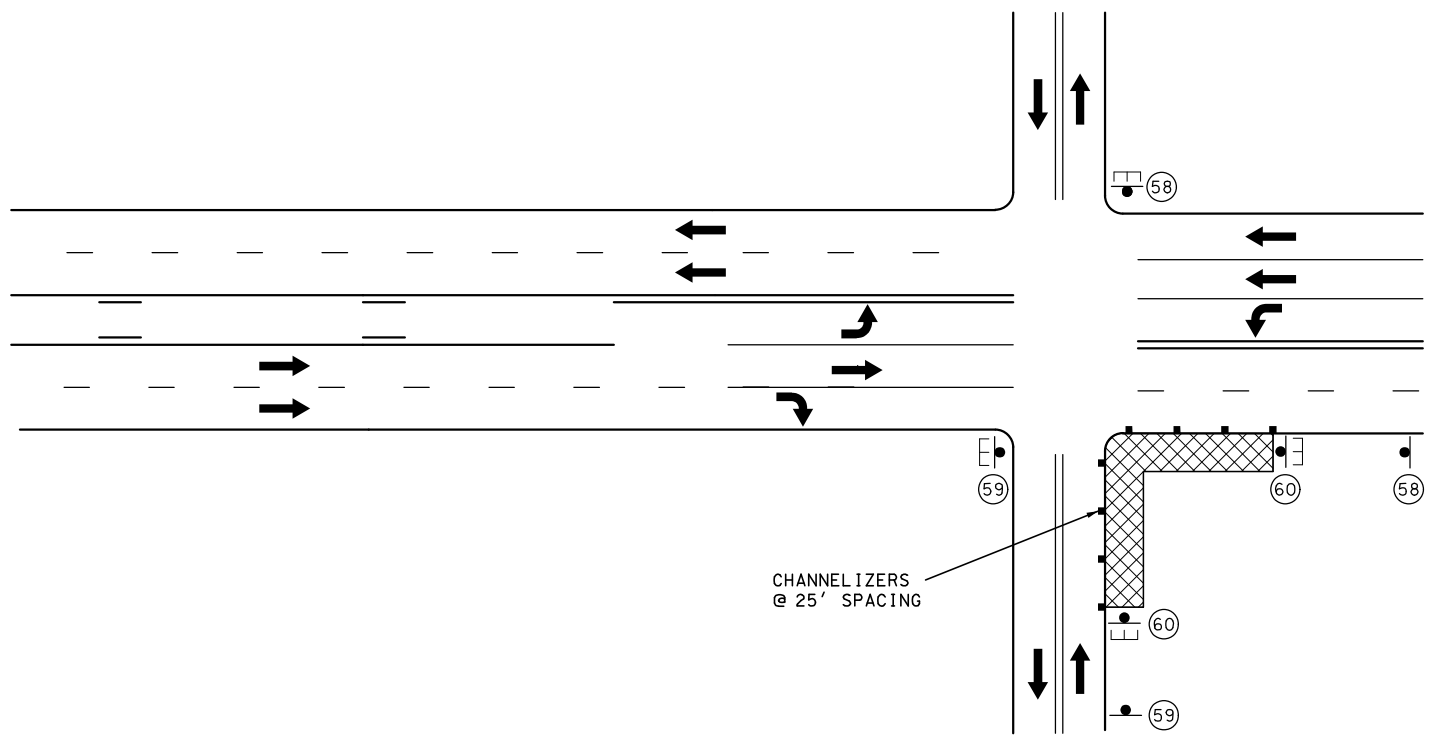
TRAFFIC CONTROL
ROUTE 115
SHEET 9 OF 10

NOTES:

PEDESTRIAN TRAFFIC SIGNAL DISPLAYS CONTROLLING CLOSED CROSSWALKS SHOULD BE COVERED OR DEACTIVATED

ONLY THE TEMPORARY TRAFFIC CONTROL DEVICES RELATED TO PEDESTRIANS ARE SHOWN. OTHER DEVICES, MAY BE NECESSARY TO CONTROL TRAFFIC

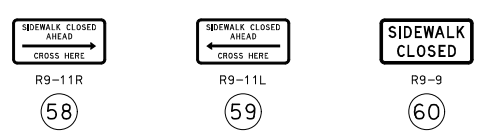
SIGNS MAY BE MOUNTED ON PORTABLE MOUNTS AT 1 FT. PROVIDED THEY DO NOT INTERFERE WITH PEDESTRIAN MOVEMENT OR BE OBSTRUCTED BY PARKING OTHERWISE, SIGNS SHALL BE MOUNTED AT 7 FT.



SIDEWALK DETOUR OR DIVERSION

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIM-LINE)
- WORK AREA
- TYPE 3 MOVEABLE BARRICADE



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STAGES 2 & 3

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DATE PREPARED	3/12/2020
ROUTE	115
STATE	MO
DISTRICT	SL
SHEET NO.	62
COUNTY	ST LOUIS CITY
JOB NO.	J6S3258
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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TRAFFIC CONTROL
ROUTE 115
SHEET 10 OF 10

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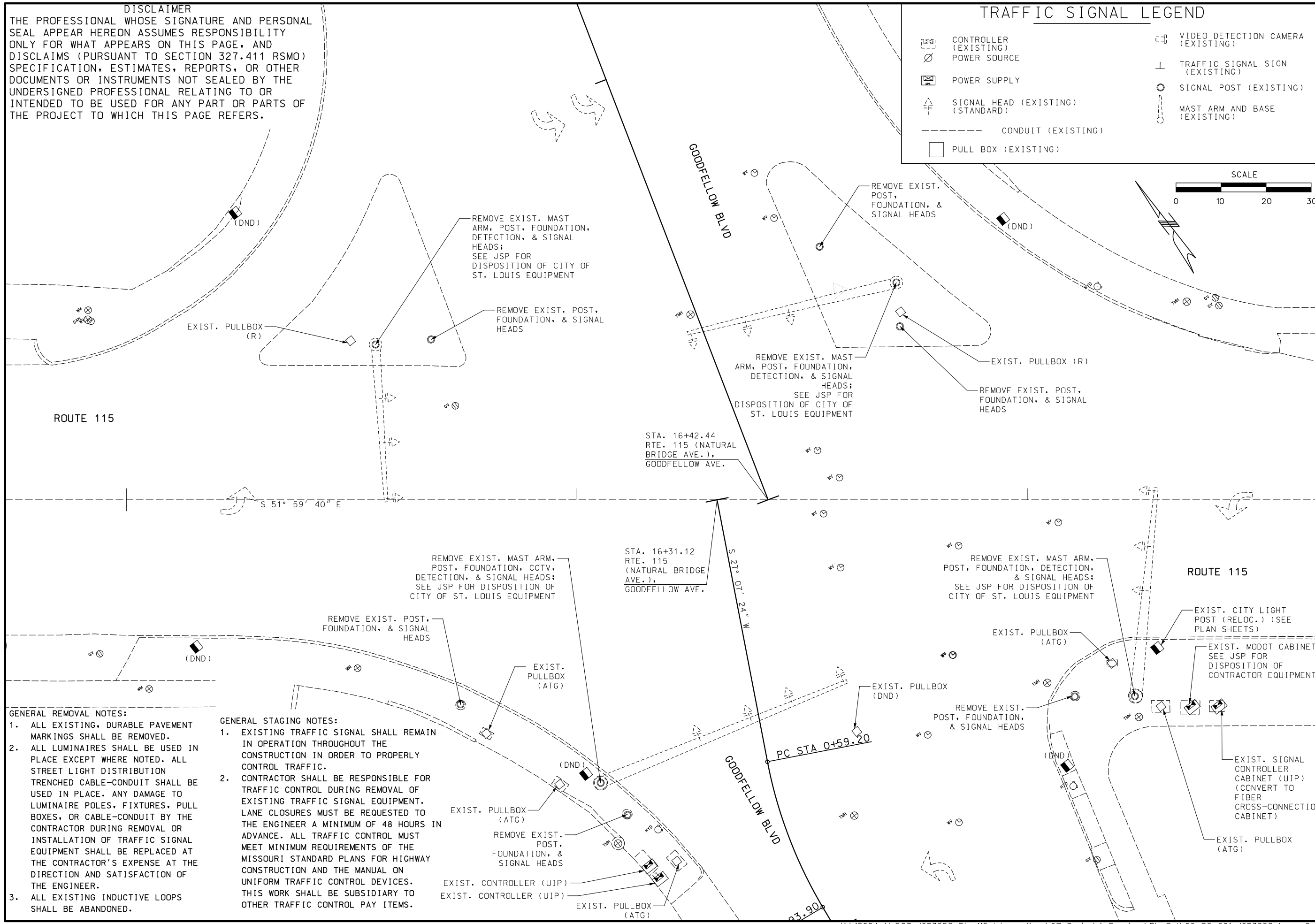

GENERAL REMOVAL NOTES:
1. ALL EXISTING, DURABLE PAVEMENT MARKINGS SHALL BE REMOVED.
2. ALL LUMINAIRES SHALL BE USED IN PLACE EXCEPT WHERE NOTED. ALL STREET LIGHT DISTRIBUTION TRENCHED CABLE-CONDUIT SHALL BE USED IN PLACE. ANY DAMAGE TO LUMINAIRE POLES, FIXTURES, PULL BOXES, OR CABLE-CONDUIT BY THE CONTRACTOR DURING REMOVAL OR INSTALLATION OF TRAFFIC SIGNAL EQUIPMENT SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE AT THE DIRECTION AND SATISFACTION OF THE ENGINEER.
3. ALL EXISTING INDUCTIVE LOOPS SHALL BE ABANDONED.

GENERAL STAGING NOTES:
1. EXISTING TRAFFIC SIGNAL SHALL REMAIN IN OPERATION THROUGHOUT THE CONSTRUCTION IN ORDER TO PROPERLY CONTROL TRAFFIC.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL DURING REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT. LANE CLOSURES MUST BE REQUESTED TO THE ENGINEER A MINIMUM OF 48 HOURS IN ADVANCE. ALL TRAFFIC CONTROL MUST MEET MINIMUM REQUIREMENTS OF THE MISSOURI STANDARD PLANS FOR HIGHWAY CONSTRUCTION AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. THIS WORK SHALL BE SUBSIDIARY TO OTHER TRAFFIC CONTROL PAY ITEMS.

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DATE PREPARED	
3/12/2020	
ROUTE 115	STATE MO
DISTRICT SL	SHEET NO. 63
COUNTY ST LOUIS CITY	
JOB NO. J6S3258	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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ENGINEERING CERTIFICATE OF AUTHORITY

SIGNAL SHEET
ROUTE 115 AT
GOODFELLOW
DISPOSITION PLAN
SHEET 1 OF 11

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

GENERAL STAGING NOTES:

1. EXISTING TRAFFIC SIGNAL SHALL REMAIN IN OPERATION THROUGHOUT THE CONSTRUCTION IN ORDER TO PROPERLY CONTROL TRAFFIC.
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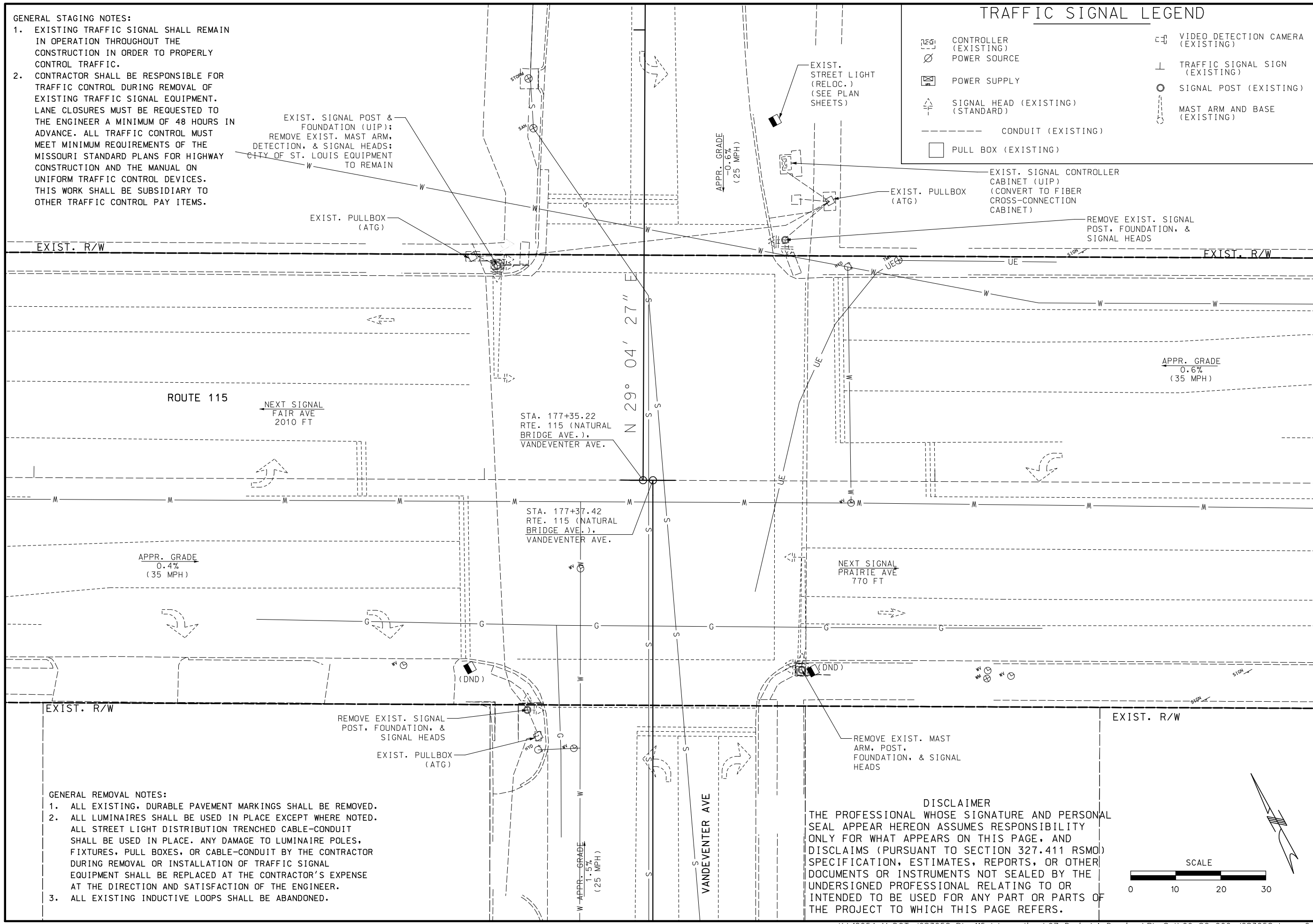
TRAFFIC SIGNAL LEGEND

- CONTROLLER (EXISTING)
- POWER SOURCE
- POWER SUPPLY
- SIGNAL HEAD (EXISTING) (STANDARD)
- CONDUIT (EXISTING)
- PULL BOX (EXISTING)
- VIDEO DETECTION CAMERA (EXISTING)
- TRAFFIC SIGNAL SIGN (EXISTING)
- SIGNAL POST (EXISTING)
- MAST ARM AND BASE (EXISTING)



GENERAL REMOVAL NOTES:

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2. ALL LUMINAIRES SHALL BE USED IN PLACE EXCEPT WHERE NOTED. ALL STREET LIGHT DISTRIBUTION TRENCHED CABLE-CONDUIT SHALL BE USED IN PLACE. ANY DAMAGE TO LUMINAIRE POLES, FIXTURES, PULL BOXES, OR CABLE-CONDUIT BY THE CONTRACTOR DURING REMOVAL OR INSTALLATION OF TRAFFIC SIGNAL EQUIPMENT SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE AT THE DIRECTION AND SATISFACTION OF THE ENGINEER.
3. ALL EXISTING INDUCTIVE LOOPS SHALL BE ABANDONED.

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SCALE

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DATE PREPARED	
3/12/2020	
ROUTE 115	STATE MO
DISTRICT SL	SHEET NO. 64
COUNTY ST LOUIS CITY	
JOB NO. J6S3258	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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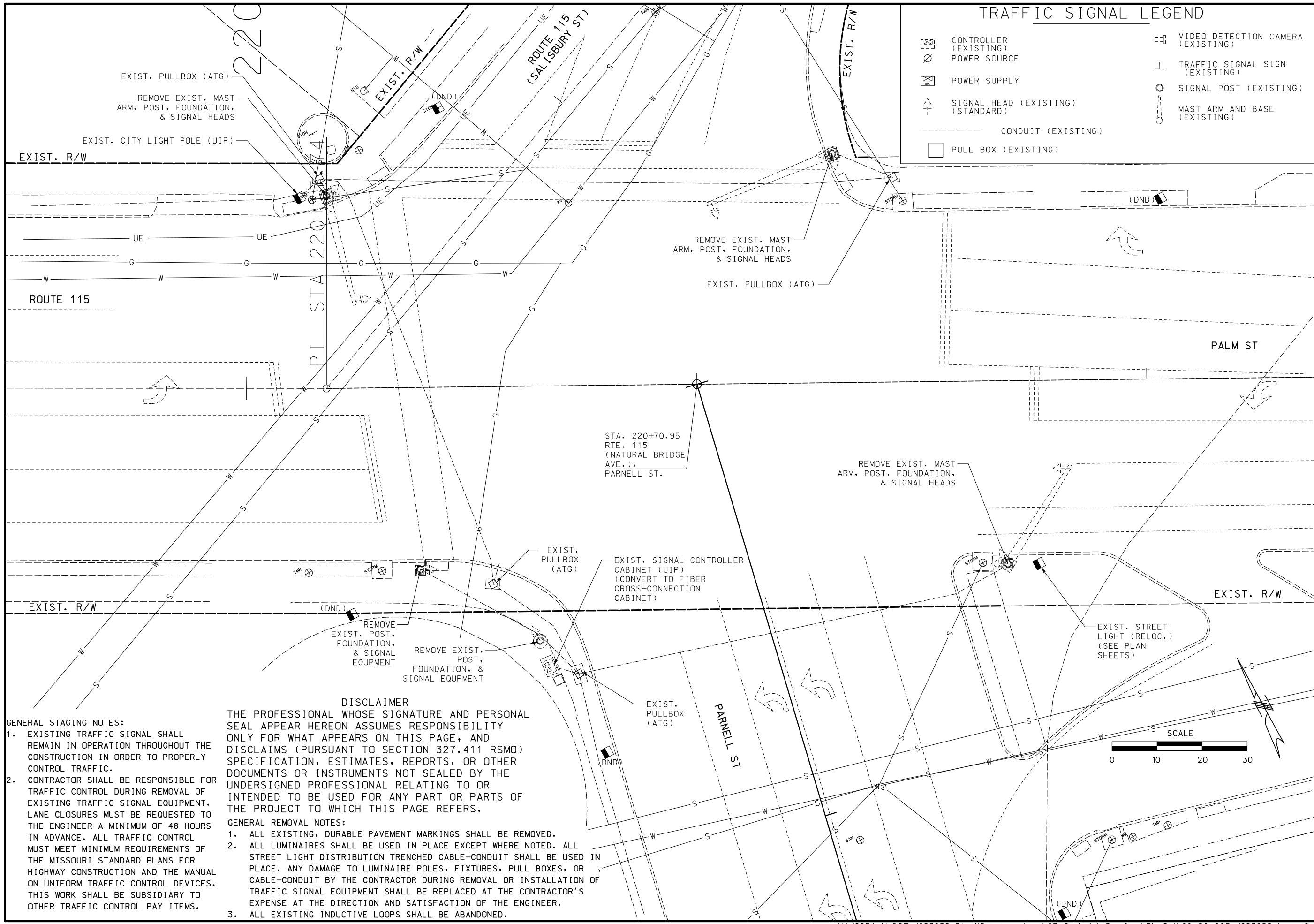
ST. LOUIS, MO 63128
(314) 849-8445
#2000172588
CIVIL ENGINEERING
ENGINEERING CERTIFICATE OF AUTHORITY

SIGNAL SHEET
ROUTE 115 AT
VANDEVENTER
DISPOSITION PLAN
SHEET 2 OF 11

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



TRAFFIC SIGNAL LEGEND

- CONTROLLER (EXISTING)
- POWER SOURCE
- POWER SUPPLY
- SIGNAL HEAD (EXISTING) (STANDARD)
- CONDUIT (EXISTING)
- PULL BOX (EXISTING)
- VIDEO DETECTION CAMERA (EXISTING)
- TRAFFIC SIGNAL SIGN (EXISTING)
- SIGNAL POST (EXISTING)
- MAST ARM AND BASE (EXISTING)

GENERAL STAGING NOTES:

1. EXISTING TRAFFIC SIGNAL SHALL REMAIN IN OPERATION THROUGHOUT THE CONSTRUCTION IN ORDER TO PROPERLY CONTROL TRAFFIC.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL DURING REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT. LANE CLOSURES MUST BE REQUESTED TO THE ENGINEER A MINIMUM OF 48 HOURS IN ADVANCE. ALL TRAFFIC CONTROL MUST MEET MINIMUM REQUIREMENTS OF THE MISSOURI STANDARD PLANS FOR HIGHWAY CONSTRUCTION AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. THIS WORK SHALL BE SUBSIDIARY TO OTHER TRAFFIC CONTROL PAY ITEMS.

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GENERAL REMOVAL NOTES:

1. ALL EXISTING, DURABLE PAVEMENT MARKINGS SHALL BE REMOVED.
2. ALL LUMINAIRES SHALL BE USED IN PLACE EXCEPT WHERE NOTED. ALL STREET LIGHT DISTRIBUTION TRENCHED CABLE-CONDUIT SHALL BE USED IN PLACE. ANY DAMAGE TO LUMINAIRE POLES, FIXTURES, PULL BOXES, OR CABLE-CONDUIT BY THE CONTRACTOR DURING REMOVAL OR INSTALLATION OF TRAFFIC SIGNAL EQUIPMENT SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE AT THE DIRECTION AND SATISFACTION OF THE ENGINEER.
3. ALL EXISTING INDUCTIVE LOOPS SHALL BE ABANDONED.

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DATE PREPARED	
3/12/2020	
ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	65
COUNTY	
ST LOUIS CITY	
JOB NO.	
J6S3258	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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SIGNAL SHEET
ROUTE 115 AT
PARNELL
DISPOSITION PLAN
SHEET 3 OF 11

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

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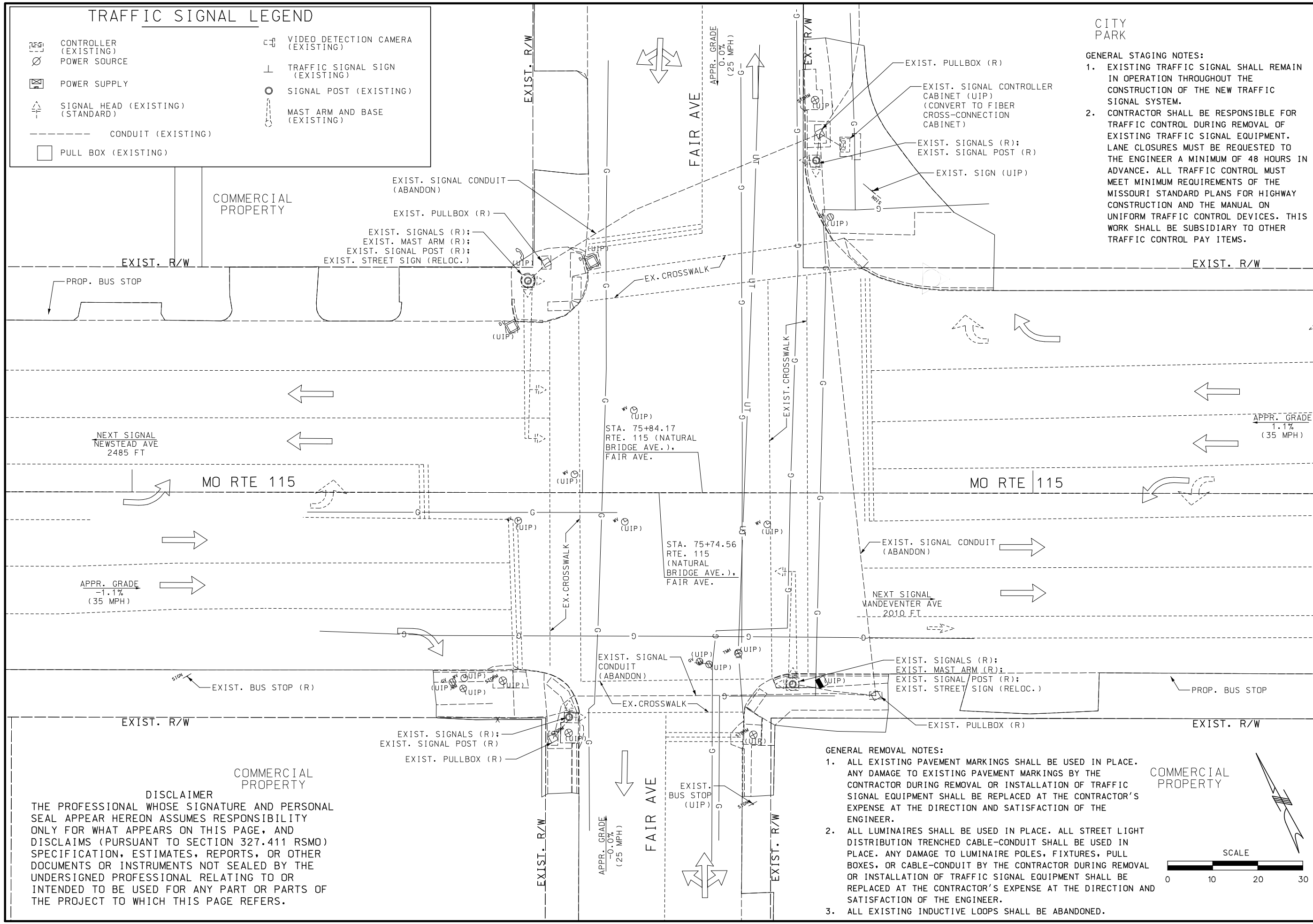
TRAFFIC SIGNAL LEGEND

- CONTROLLER (EXISTING)
- POWER SOURCE
- POWER SUPPLY
- SIGNAL HEAD (EXISTING) (STANDARD)
- CONDUIT (EXISTING)
- PULL BOX (EXISTING)
- VIDEO DETECTION CAMERA (EXISTING)
- TRAFFIC SIGNAL SIGN (EXISTING)
- SIGNAL POST (EXISTING)
- MAST ARM AND BASE (EXISTING)



GENERAL STAGING NOTES:

1. EXISTING TRAFFIC SIGNAL SHALL REMAIN IN OPERATION THROUGHOUT THE CONSTRUCTION OF THE NEW TRAFFIC SIGNAL SYSTEM.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL DURING REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT. LANE CLOSURES MUST BE REQUESTED TO THE ENGINEER A MINIMUM OF 48 HOURS IN ADVANCE. ALL TRAFFIC CONTROL MUST MEET MINIMUM REQUIREMENTS OF THE MISSOURI STANDARD PLANS FOR HIGHWAY CONSTRUCTION AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. THIS WORK SHALL BE SUBSIDIARY TO OTHER TRAFFIC CONTROL PAY ITEMS.

GENERAL REMOVAL NOTES:

1. ALL EXISTING PAVEMENT MARKINGS SHALL BE USED IN PLACE. ANY DAMAGE TO EXISTING PAVEMENT MARKINGS BY THE CONTRACTOR DURING REMOVAL OR INSTALLATION OF TRAFFIC SIGNAL EQUIPMENT SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE AT THE DIRECTION AND SATISFACTION OF THE ENGINEER.
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3. ALL EXISTING INDUCTIVE LOOPS SHALL BE ABANDONED.

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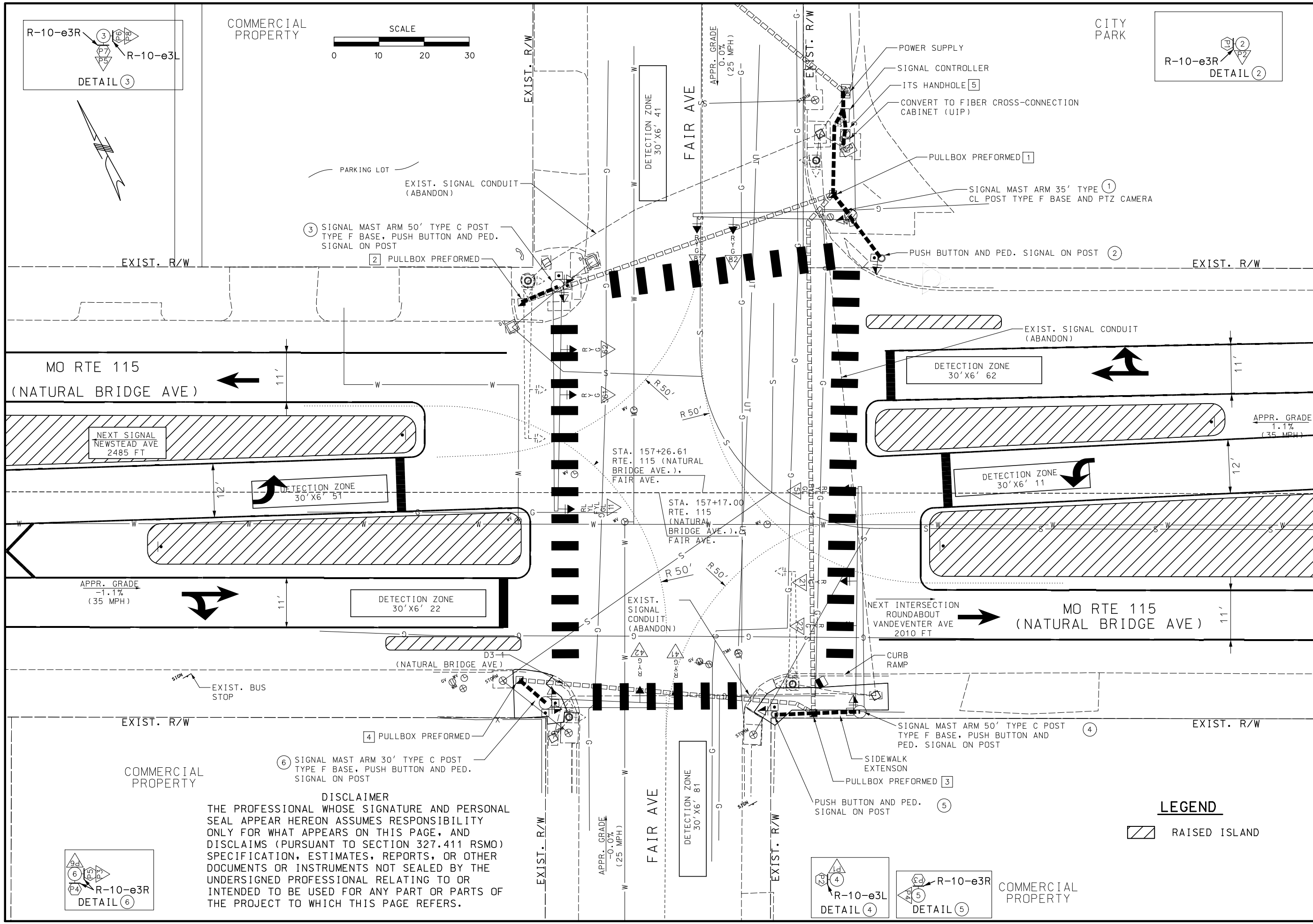
SIGNAL SHEET
ROUTE 115 AT FAIR
DISPOSITION PLAN
SHEET 4 OF 11

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



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

DATE PREPARED	3/12/2020
ROUTE	115
STATE	MO
DISTRICT	SL
SHEET NO.	67
COUNTY	ST LOUIS CITY
JOB NO.	J6S3258
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

DATE

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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

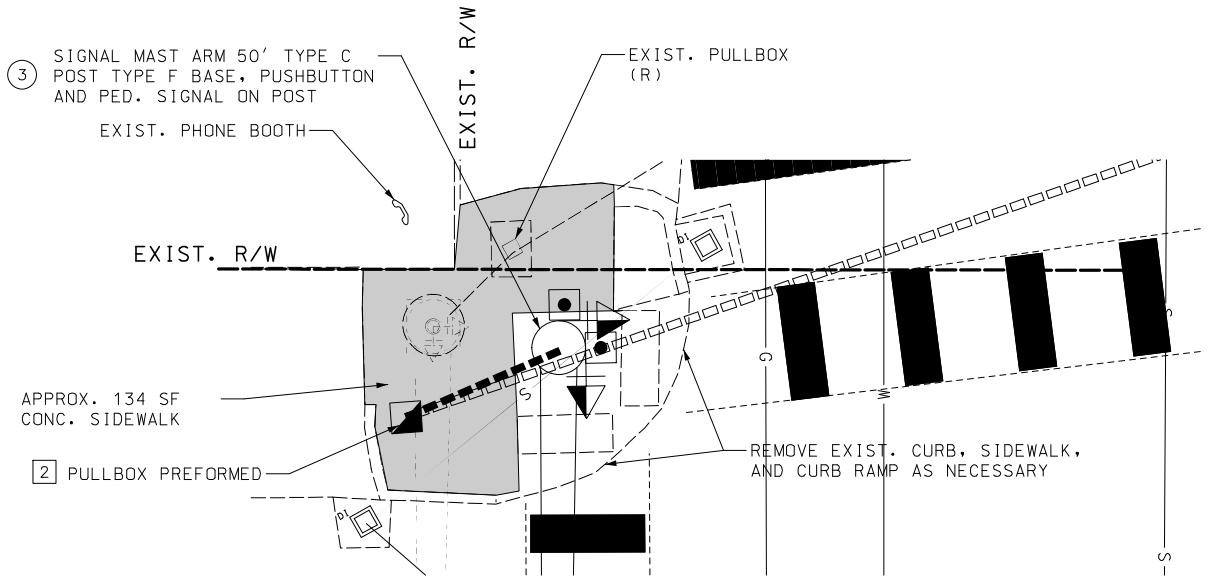
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

ACCESS ENGINEERING LLC

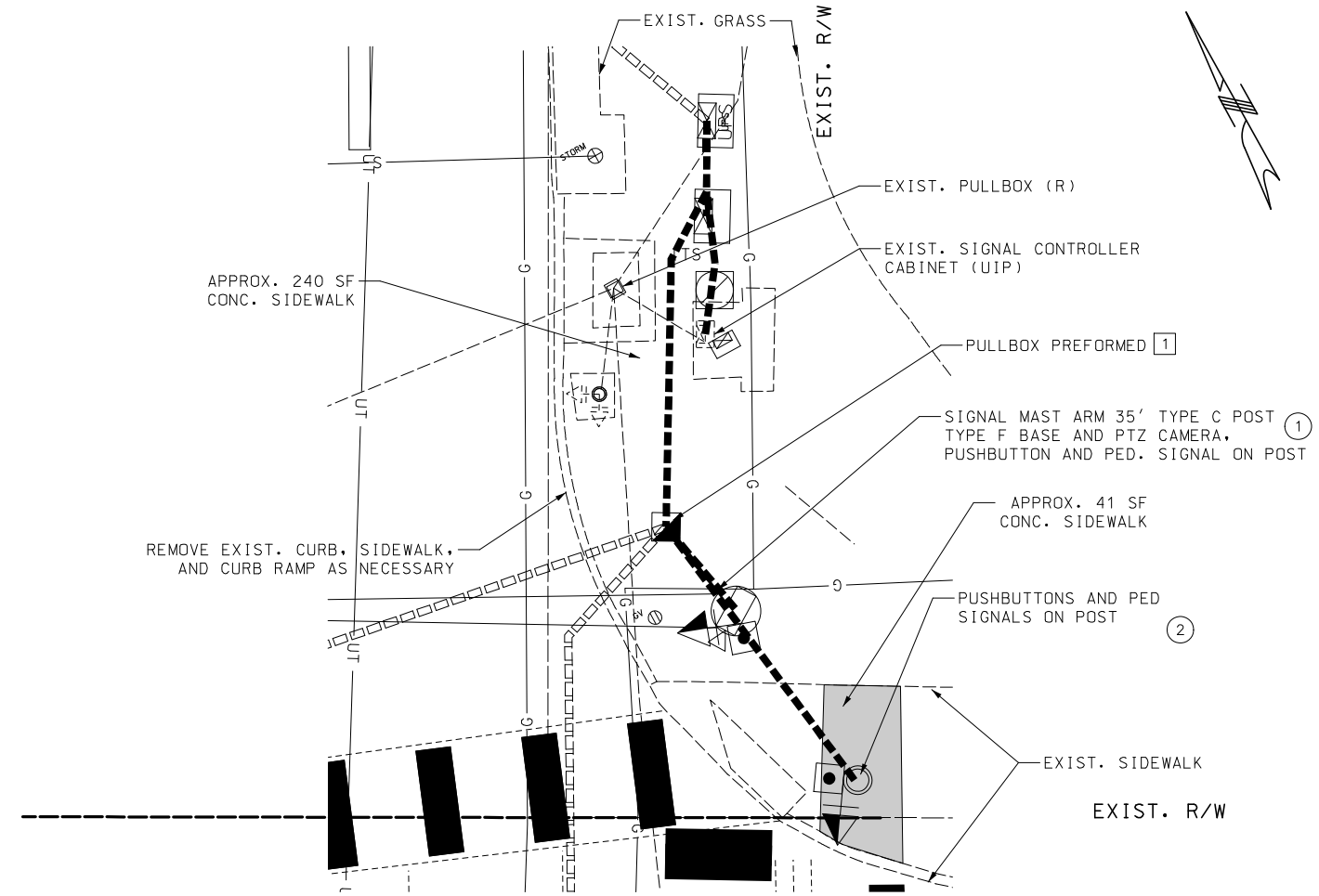
11820 TESSON FERRY ROAD
SUITE 203
ST. LOUIS, MO 63128
(314) 849-8445

#2000172588
CIVIL ENGINEERING
ENGINEERING CERTIFICATE OF AUTHORITY

SIGNAL SHEET
ROUTE 115 AT FAIR
SIGNAL PLAN
SHEET 5 OF 11



FAIR AVE (NW CORNER)



FAIR AVE (NE CORNER)

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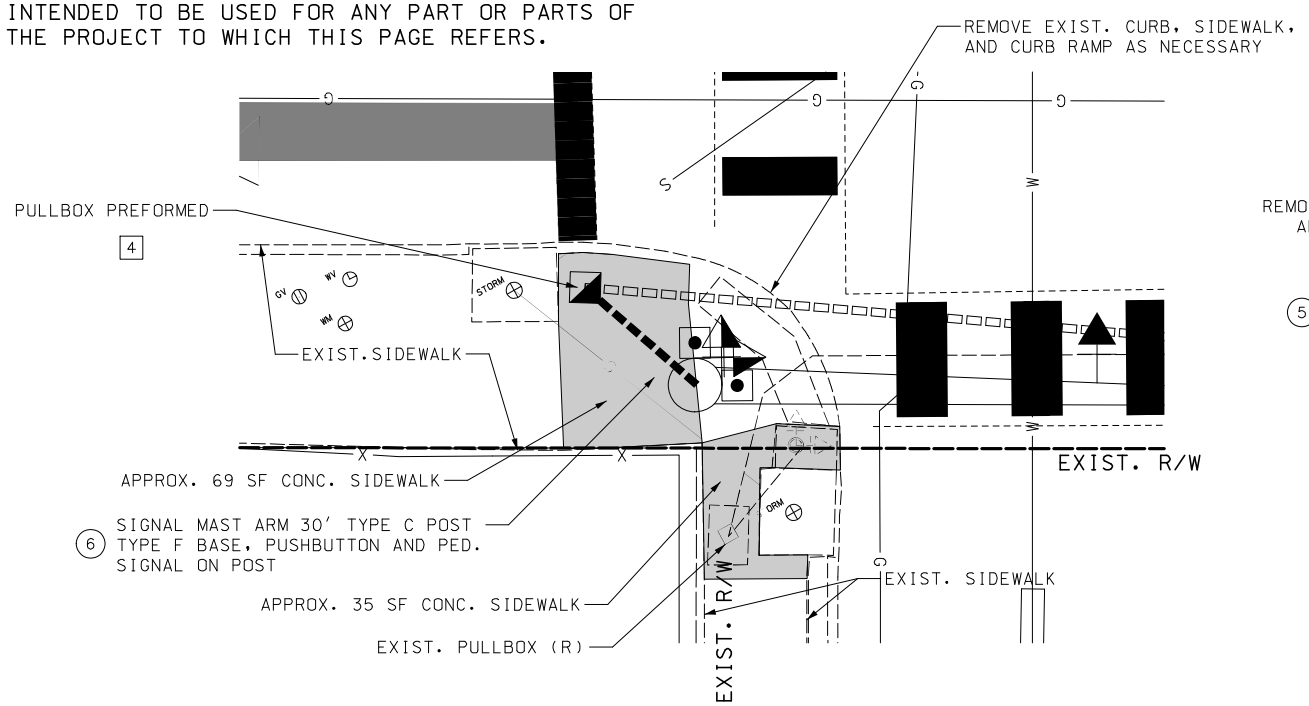
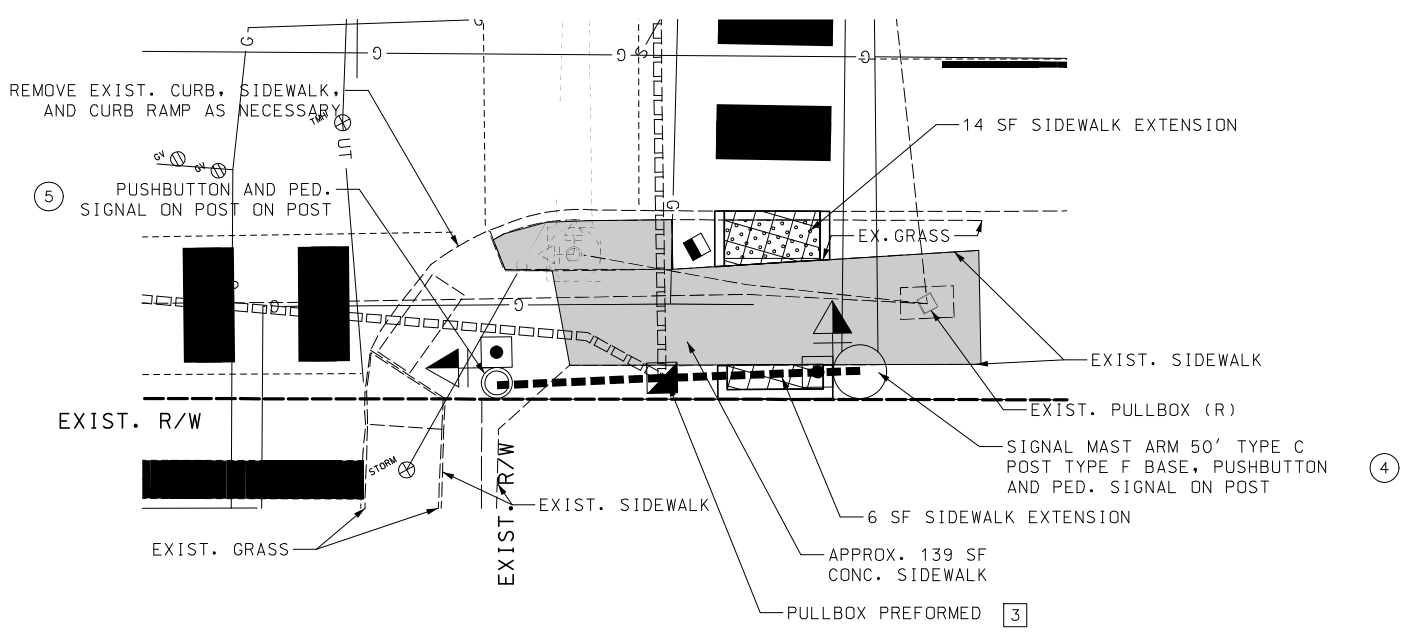


FAIR AVE (SW CORNER)



FAIR AVE (SE CORNER)

NEW CONCRETE SIDEWALK

REMOVE AND REPLACE EXISTING CONCRETE SIDEWALK

SCALE

0 5 10 15

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

DATE PREPARED	
3/12/2020	
ROUTE 115	STATE MO
DISTRICT SL	SHEET NO. 68
COUNTY ST LOUIS CITY	
JOB NO. J6S3258	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

DATE

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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

ACCESS ENGINEERING LLC

11820 TESSON FERRY ROAD
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(314) 849-8445

#2000172588
CIVIL ENGINEERING
ENGINEERING CERTIFICATE OF AUTHORITY

SIGNAL SHEET
ROUTE 115 AT FAIR
DETAIL PLAN
SHEET 6 OF 11

EFFECTIVE: 04/01/2018

Post Number	Pull Box Number	Location: Approach	Location: Station	Location: Offset	Base A: 9	A: 9.5	A: 10	A: 10.5	A: 11	A: 12	Base F: 9	F: 9.5	F: 10	F: 10.5	F: 11	F: 12	Base C	Concrete** (Cu. Yds.)	Pull Box Preformed: Class 1	Class 2	Class 3	Class 5 ITS	Concrete: Standard	Double, Type A	Double, Type B	Drain Type* I	II A	II B	II C
1		RTE 115	157+59.42	62' LT								1						2.49											
2		RTE 115	157+66.33	52' LT													1	0.44											
3		RTE 115	156+94.35	46' LT												1		3.14											
4		RTE 115	157+61.77	48' RT												1		3.14											
5		RTE 115	157+42.77	49' LT													1	0.44											
6		RTE 115	156+91.94	47' RT								1						2.49											
	1	RTE 115	157+55.54	66' LT																	1					1			
	2	RTE 115	156+86.42	42' LT																1						1			
	3	RTE 115	157+51.34	49' RT																1						1			
	4	RTE 115	156+86.08	42' RT																1						1			
	5	RTE 115	157+58.25	80' LT																		1							
INTERSECTION SUBTOTAL																		12.1		3	1	1							
INTERSECTION TOTAL																		12.1		3	1	1							

POST

Post Number	Top Mount Post: 8 Ft.	15 Ft.	Type C & CL Arm Length (Ft.): A 30'	A 35'	A 50'	A ___'	Signal Spacing: B	C	D	D'	Sign Spacing: B	C	D	D'	Type B & BL Arm Length (Ft.): E ___'	K ___'	E ___'	K ___'	E ___'	K ___'	Left Arm E Signal Spacing: F	G	H	H'	Left Arm E Sign Spacing: F	G	H	H'	Right Arm K Signal Spacing: L	M	N	N'	Right Arm K Sign Spacing: L	M	N	N'	Included Angle	Luminaire Bracket Arm*: 4 Ft.	6 Ft.	8 Ft.	10 Ft.	12 Ft.	15 Ft.
1				1(L)			26	10			5																																
2	1																																										
3					1		14	10	25		4	46																															
4					1		19	10	20		4	46																															
5	1																																										
6			1				21	10			5																																
INTERSECTION SUBTOTAL	2		1	1	2																																						
INTERSECTION TOTAL	2		1	1	2																																						

NOTES:

ONE TYPE C OR CL POST PER A-ARM. PAY FOR POST BASED ON LENGTH OF A-ARM.

ONE TYPE B OR BL POST PER SET OF E & K-ARMS. PAY FOR POST BASED ON THE LONGEST ARM OF EACH E & K-ARM SET.

TABULATE THE NUMBER OF POSTS NEEDED AT THE BOTTOM OF THE TABLE.

SEE SHEET D-37C FOR SIGNAL SIGNS.

SIGNAL HEADS

Span Number	Post Number	Face Number	Luminaire LED-A	Indications* 12" Lens Conventional: R	Y	YL	YR↑	RL	FYL	G	S	L	R↑		Ped. signal (hand/walk)	12" Lens Optical Limiting: R	Y	YL	YR↑	RL	FYL	G	S	L	R↑		Visors*: 12" Lens	Visors*: Ped.
	1	81		1	1					1																	3	
	1	82		1	1					1																	3	
	2	P2													1													1
	2	P7													1													1
	3	P8													1													1
	3	P5													1													1
	3	11				1		1	1			1															4	
	3	61		1	1					1																	3	
	3	62		1	1					1																	3	
	4	51				1		1	1			1															4	
	4	21		1	1					1																	3	
	4	22		1	1					1																	3	
	4	P1													1													1
	5	P4													1													1
	6	P3													1													1
	6	P6													1													1
	6	41		1	1					1																	3	
	6	42		1	1					1																	3	
SUBTOTAL																												
TOTAL																												

Post Number	Face Number	Louvers*: A	B	C	D	E	F	Backplate* Lenses: 1	2	3	4	5	Reflectorized Backplate* Lenses: 1	2	3	4	5	Bracket* Type: I	II	III	One-Face Section 1-: T	S	C	B	3-: T	S	C	B	4-: T	S	C	B	5-: T	S	C	B	Two-Face Sections 11-: T	S	B	33-: T	S	C	B	34-: S	B	35-: S	B	44-: S	B	45-: S	B
1	81														1			1										1																						
1	82														1			1										1																						
2	P2																	1				1																												
2	P7																	1				1																												
3	P8																	1				1																												
3	P5																	1				1																												
3	11															1		1														1																		
3	61														1			1										1																						
3	62														1			1										1																						
4	51															1		1														1																		
4	21														1			1										1																						
4	22														1			1										1																						
4	P1																	1				1																												
5	P4																	1				1																												
6	P3																	1				1																												
6	P6																	1				1																												
6	41														1			1										1																						
6	42														1			1										1																						
SUBTOTAL OPTICALLY LIMITED																																																			
INTERSECTION SUBTOTAL CONVENTIONAL																						8						8				2																			
SUBTOTAL COMBINATION OL & CONV																																																			
TOTAL OPTICALLY LIMITED																																																			
INTERSECTION TOTAL CONVENTIONAL																						8						8				2																			
TOTAL COMBINATION OL & CONV																																																			

LEGEND

- YR↑ — YELLOW RIGHT ARROW
- R↑ — GREEN RIGHT ARROW
- YL — YELLOW LEFT ARROW
- L — GREEN LEFT ARROW
- S — GREEN STRAIGHT AHEAD ARROW
- G — CIRCULAR GREEN
- Y — CIRCULAR YELLOW
- R — CIRCULAR RED
- RL — RED LEFT ARROW
- FYL — FLASHING YELLOW LEFT ARROW
- T — TOP MOUNT
- S — SIDE MOUNT
- C — SPANWIRE MOUNT
- B — MAST ARM MOUNT

REMARKS

ALL LENGTHS AND SPACINGS ARE IN FEET UNLESS OTHERWISE INDICATED.

* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

** SEE STANDARD PLANS 902.10 AND 902.30 FOR CONCRETE REQUIREMENTS ON BASES.

SIGNAL STRUCTURES WHICH WILL EXCEED THE DIMENSION LIMITS SHOWN ON STANDARD PLAN SHEETS IN SECTION 902 AND ANY OTHER INSTALLATION WHERE THE DETAILS OF CONSTRUCTION ARE NOT FURNISHED IN THE CONTRACT PLANS, SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER IN ACCORDANCE WITH THE 2001 AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 4TH EDITION, AND LATEST INTERIMS. THE STRUCTURE SHALL BE DESIGNED AS IMPORTANCE CATEGORY I FOR FATIGUE WITH A 50-YEAR DESIGN LIFE. THE CONTRACTOR SHALL SUBMIT A SET OF SHOP DETAIL DRAWINGS INCLUDING WELD PROCEDURE SPECIFICATIONS AND DESIGN COMPUTATIONS FOR MODOT RECORDS AND REFERENCE. THE SUBMITTED DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND SEALED IN ACCORDANCE WITH THE LAWS RELATING TO ARCHITECTS AND PROFESSIONAL ENGINEERS (CHAPTER 327, RSMO.), AND SHALL INCLUDE A TITLE BLOCK OR SUMMARY SHEET WHICH LISTS AND CERTIFIES THAT THE PRODUCT MEETS ALL OF THE SPECIFIED DESIGN CRITERIA.

SPAN WIRE CABLE SPANS

SPAN NUMBER	FROM POST	TO POST	SINGLE MESSENGER ASSEMBLY (LIN. FT.)	MESSENGER ASSEMBLY WITH TETHER (LIN. FT.)
SUBTOTAL				
TOTAL				

SPAN WIRE POLES

POST NUMBER	WOOD CLASS IV	STEEL (A10 BASE REQUIRED)
SUBTOTAL		
TOTAL		

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MO RTE 115 AND FAIR AVE

INTERSECTION

D-37A

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

DATE PREPARED 3/12/2020
ROUTE 115 | STATE MO
DISTRICT SL | SHEET NO. 69
COUNTY ST LOUIS CITY
JOB NO. J6S3258
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)

ACCESS ENGINEERING LLC
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ST. LOUIS, MO 63128
(314) 849-8445
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CIVIL ENGINEERING
ENGINEERING CERTIFICATE OF AUTHORITY

SIGNAL SHEET
ROUTE 115 AT FAIR
D-37A PLAN

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

CONDUIT

FROM	TO	CTR TO CTR DIST.	TRENCHED 2"	TRENCHED 3"	PUSHED 3"	REMARKS
		LF	LF	LF	LF	
SOURCE	UPS	89	(93)			INCLUDED IN COST OF PS
UPS	CA1	5		13		1x13'
CA1	PB1	19		44		2x22'
PB1	P1	6		7		1x7'
PB1	PB2	73			71	1x71'
PB1	PB3	117			115	1x115'
PB1	P2	18		19		1x19'
PB2	P3	9		10		1x10'
PB3	P4	10		11		1x11'
PB3	P5	9		10		1x10'
PB3	PB4	66			64	1x64'
PB4	P6	8		9		1x9'
CA1	PB5	4	7			1x7'
PB5	CA2	4	7			1x7'
		SUBTOTALS	14	123	250	
		PAY TOTALS	**14**	**123**	**250**	

CABLE

FROM	TO	CTR TO CTR DIST.	POWER 1c-#8	CONTROL 2c-#16	CONTROL 5c-#16	CONTROL 7c-#16	VIDEO VIDEO	FIBER FIBER OPTIC CABLE, 24 STRAND, SINGLE MODE	REMARKS
		LF	LF	LF	LF	LF	LF	LF	
SOURCE	UPS	89							3X132' INCLUDED IN COST OF PS
UPS	CA1	5	63						
CA1	P1 (SH81, SH22)	25				190			
CA1	P1 (PP7)	25			49				
CA1	P2 (PP2)	37			61				
CA1	P1 (PD8)	25		48					
CA1	P2 (PD1)	37		60					
CA1	P3 (PP5, PP8)	101			262				
CA1	P3 (PD6, PD7)	101		260					
CA1	P3 (SH11, SH61, SH62)	101				576			
CA1	P4 (SH51, SH21, SH22)	146				711			
CA1	P4 (PP1)	146			176				
CA1	P4 (PD2)	146		175					
CA1	P5 (PP4)	145			175				
CA1	P5 (PD3)	145		174					
CA1	P6 (PD4, PD5)	210		490					
CA1	P6 (PP3, PP6)	210			492				
CA1	P1 (SH41, SH42)	210				574			
CA1	P1 (PTZ)	25					69		PTZ CAMERA
CA1	CA2	8						84	
		SUBTOTALS	63	1207	1215	2051	69	84	
		PAY TOTALS	**70**	**1270**	**1280**	**2150**	**70**	**90**	INCLUDE 5% FOR SNAKING

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MO RTE 115 & FAIR AVE
INTERSECTION

D-37B

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

DATE PREPARED 3/12/2020
ROUTE 115 STATE MO
DISTRICT SL SHEET NO. 70
COUNTY ST LOUIS CITY
JOB NO. J6S3258
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)

ACCESS ENGINEERING LLC
11820 TESSON FERRY ROAD
SUITE 203
ST. LOUIS, MO 63128
(314) 849-8445
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CIVIL ENGINEERING
ENGINEERING CERTIFICATE OF AUTHORITY

SIGNAL SHEET
ROUTE 115 AT FAIR
D-37B PLAN
SHEET 8 OF 11

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

POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY	CIRCUIT BREAKER TRIP RATING✳				LIGHTING CONTROL ✳		SERVICE POLE	
				CONTROLLER		POWER SUPPLY DISCONNECT					
						MAIN BREAKER					
APPROACH	STATION	OFFSET	COMBINATION PAD MOUNTED 120/240V POWER SUPPLY & LIGHTING CONTROLLER & UPS (SPECIAL DRAWING)	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	SIGNALS	LIGHTING	CIRCUIT 1	CIRCUIT 2	CONTRACT FURNISH	UTILITY COMPANY
RTE 115	157+58.30	89' LT	1	15 Amps	15 Amps	100 Amps	Amps	Amps	Amps	Ci. Ft.	AMEREN PSL
				Amps	Amps	Amps	Amps	Amps	Amps	Ci. Ft.	
		PAY TOTAL	1								

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF✳ SWITCH TYPE		COORDINATION INTERFACE ✳						DIGITAL CELLULAR MODEM	TIME CLOCK	NEMA CABINET TYPE ✳			170 CABINET TYPE ✳		170 SOFTWARE ✳	
									12C/7C HARDWIRE (1)		TIME BASE	CLOSED LOOP		FIBER									
APPROACH	STATION	OFFSET	NEMA	170	NEMA (3)(4)(7)	170	I	II	MASTER	LOCAL		NEMA	170				E	EV	DOUBLE	332	336S	BITRAN	WAPITI
RTE 115	157+58.30	84' LT			1													1					

DETECTOR SCHEDULE

MOVEMENT	DETECTOR NUMBER	DETECTION ZONE	TYPE: PRESSURE ACTIVATED AUDIBLE VIBROTACTILE PUSH BUTTON ASSEMBLY	INDUCTION LOOP (2): STANDARD	INDUCTION LOOP (2): DELAY/ EXTEND ✳	INDUCTION LOOP (2): CALL UNIT ✳	VIDEO	WIRELESS SENSOR DETECTION
ALL MOVEMENT	ALL VEH						1	
SB PED - EAST SIDE	P1		1					
NB PED - EAST SIDE	P2		1					
WB PED - SOUTH SIDE	P3		1					
EB PED - SOUTH SIDE	P4		1					
NB PED - WEST SIDE	P5		1					
SB PED - WEST SIDE	P6		1					
EB PED - NORTH SIDE	P7		1					
WB PED - NORTH SIDE	P8		1					
NB LEFT		51						
SB LEFT		11						
WB THRU		62						
EB THRU		22						
NB THRU		81						
SB THRU		41						
		SUBTOTALS	8					
		TOTAL	8				1	

✳ ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

✳✳✳ USE D3-1 FOR ONE LINE. USE D3-1B FOR TWO LINE.

(1) MoDOT "D" PLUG SHALL BE WIRED INTO ALL NEMA CONTROLLERS WITH 7C HARDWIRE INTERCONNECT.

(2) PAYMENT IS MADE FOR THE NUMBER OF 2-CHANNEL DETECTOR CARDS AS SHOWN BELOW THE ASSIGNMENT CHART.

(3) CONTROLLER TO BE COMPATIBLE WITH EXISTING ACTRA CONTROL SIGNAL SYSTEM AND INCLUDE BOTH AN INTERNAL RJ-45 PORT AND RS-232 PORT.

(4) SIGNAL MONITOR SHALL HAVE BOTH INTERNAL RJ-45 PORT AND 9-PIN SERIAL PORT.

(5) IF USED, VIDEO DETECTION INPUTS INTO CONTROLLER VIA SDLC PORT. CABINET TO BE TS2 TYPE 2 SETUP WITH 3 EACH SDLC CONNECTORS & MMU.

(6) IF USED, LOOPS SHALL BE ASSIGNED TO THE CARD POSITION AND CHANNEL SHOWN IN THE NEMA DETECTOR ASSIGNMENT CHART.

(7) RELOCATE DIGITAL CELLULAR MODEM FROM EXISTING SIGNAL CABINET TO NEW SIGNAL CABINET. NEW CONTROLLER TO BE CONNECTED TO DIGITAL CELLULAR MODEM VIA RS-232 CABLE.

(8) OPTIONAL DETECTION ZONES SHALL BE CAPABLE OF DETECTING BICYCLE LANES AND/OR SHARED LANES, IF PRESENT.

SIGNAL SIGNS

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
	R10-10L	24 X 30	5.0		
	R10-10R	24 X 30	5.0		
	R3-5L	30 X 36	7.5		
	R3-5R	30 X 36	7.5		
	R3-5A	30 X 36	7.5		
	R3-6L	30 X 36	7.5		
	R3-6R	30 X 36	7.5		
	R3-2	24 X 24	4.0		
	R3-1	24 X 24	4.0		
	R3-3	24 X 24	4.0		
	D3-1 ✳✳✳	60 X 18	7.5		
	D3-1 ✳✳✳	96 X 18	12.0		
	D3-1B ✳✳✳	VAR. X 18			
6	R10-3ER	9 X 15	0.9	5.4✳	6✳
2	R10-3EL	9 X 15	0.9	1.8✳	2✳
	R10-11A	24 X 30	5.0		
	R10-13	36 X 24	6.0		
2	R10-27A	30 X 36	7.5	10.0	2
			SUBTOTAL	10.0	2
			TOTAL	10.0	2

NEMA DETECTOR ASSIGNMENT

CHANNEL	CARD POSITION 1	2	3	4	5	6	7	8
1								
2								

VIDEO DETECTION (6)

TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = (2)

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Ø1 NBL	Ø2 SB	Ø3 EBL	Ø4 WB	Ø5 SBL	Ø6 NB	Ø7 WBL	Ø8 EB	OLA NB FYA	OLB WB FYA	OLC SB FYA	OLD EB FYA	Ø2 PED	Ø4 PED	Ø6 PED	Ø8 PED

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MO RTE 115 & FAIR AVE
INTERSECTION

D-37C

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

DATE PREPARED 3/12/2020
ROUTE 115 | STATE MO
DISTRICT SL | SHEET NO. 71
COUNTY ST LOUIS CITY
JOB NO. J6S3258
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL 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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ACCESS ENGINEERING LLC
11820 TESSON FERRY ROAD
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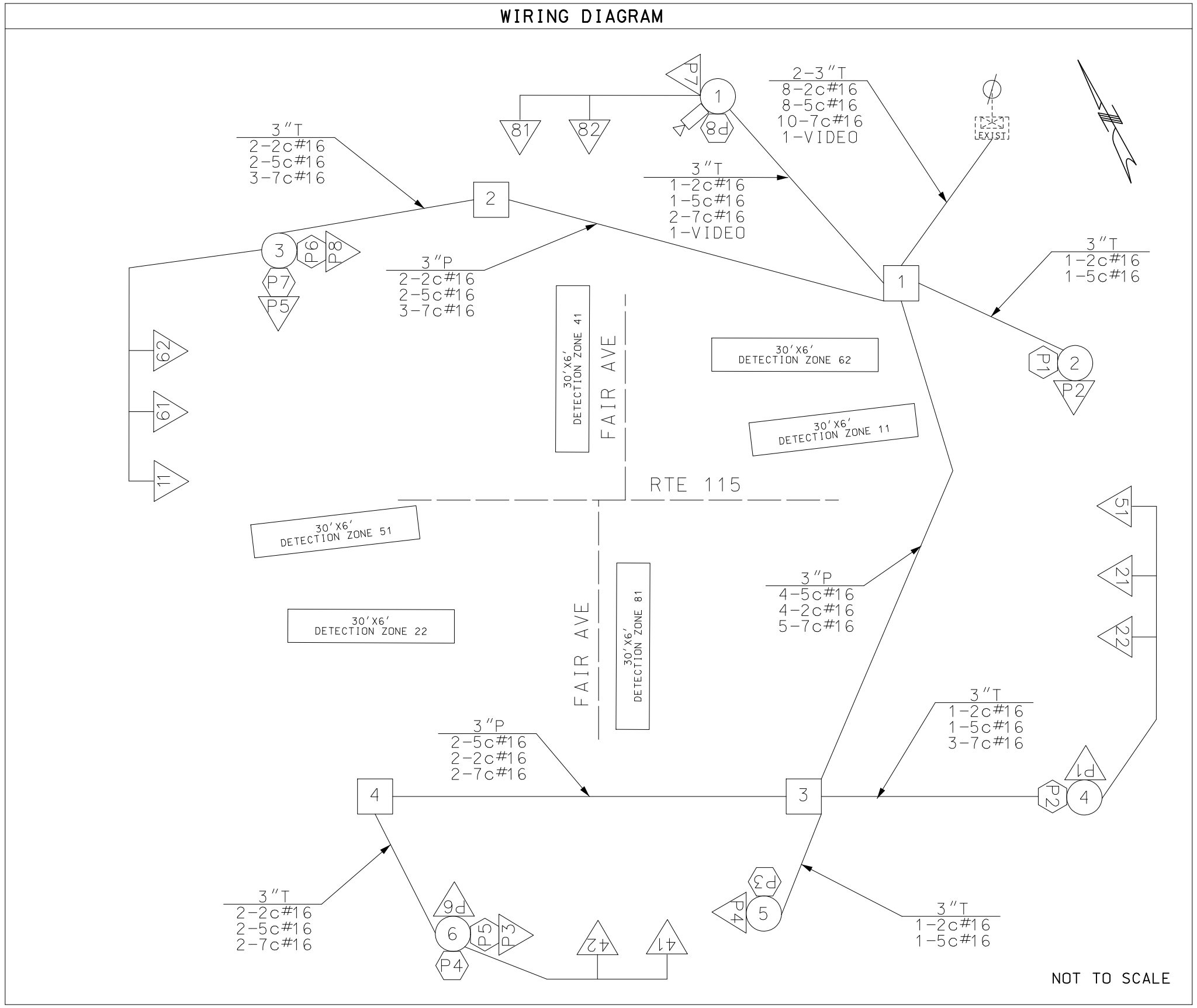
ENGINEERING CERTIFICATE OF AUTHORITY

SIGNAL SHEET
ROUTE 115 AT FAIR
D-37C PLAN
SHEET 9 OF 11

EFFECTIVE 12/01/2017

WIRING DIAGRAM



LEGEND

3"	CONDUIT CONTAINING CABLE WITH SIZE
	CABLE
X-Xc	MULTI-CONDUCTOR CABLE #12 AWG (UNLESS OTHERWISE INDICATED)
LIC	#14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
X	PULL BOX WITH NUMBER
X	POST WITH NUMBER
X	POST WITH MAST ARM
X	POST WITH MAST ARM AND LUMINAIRE
X	DETECTOR WITH NUMBER
X	SIGNAL HEAD WITH NUMBER
	SIGNAL CONTROLLER
	POWER SUPPLY
	LIGHTING CONTROLLER

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MO RTE 115 AND FAIR AVE

INTERSECTION

D-37D

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DATE PREPARED	
3/12/2020	
ROUTE 115	STATE MO
DISTRICT SL	SHEET NO. 72
COUNTY ST LOUIS CITY	
JOB NO. J6S3258	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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SIGNAL SHEET
ROUTE 115 AT FAIR
D-37D PLAN
SHEET 10 OF 11

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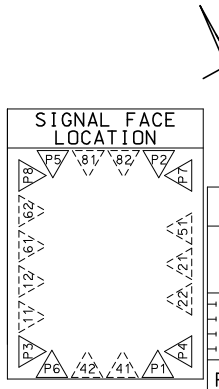
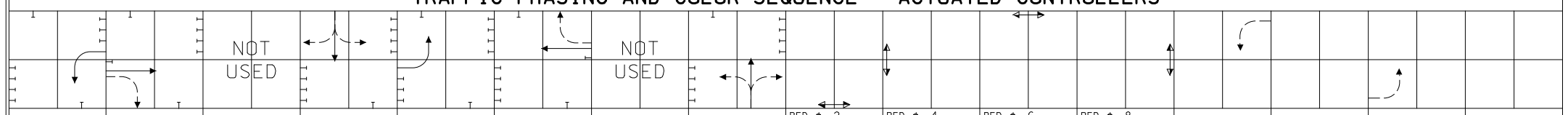
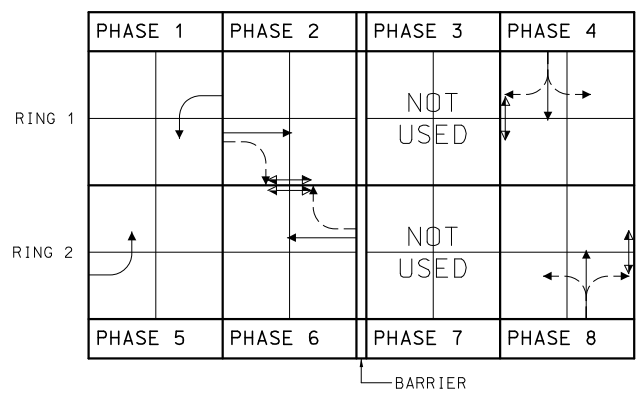


TRAFFIC PHASING AND COLOR SEQUENCE – ACTUATED CONTROLLERS



		PHASE Ø1	PHASE Ø2	PHASE Ø3	PHASE Ø4	PHASE Ø5	PHASE Ø6	PHASE Ø7	PHASE Ø8	PED Φ 2 OVERLAP	PED Φ 4 OVERLAP	PED Φ 6 OVERLAP	PED Φ 8 OVERLAP	OVERLAP A	OVERLAP C	
FACE NUMBERS		11	21		41	51	61		81	P3	P5	P7	P1	11	51	FACE NUMBERS
			22		42		62		82	P4	P6	P8	P2			
SIGNAL INDICATIONS	R	R	R		R	R	R		R	DW	DW	DW	DW	RL	RL	R
	Y	Y	Y		Y	YL	Y		Y	FDW	FDW	FDW	FDW	YL	YL	Y
	FYL													FYL	FYL	FYL
	G	L	G		G	L	G		G	W	W	W	W	L	L	G
DETECTOR ASSIGNMENTS		11	22		41	51	62		81							DETECTOR ASSIGNMENTS
									DETECTOR ASSIGNMENTS (PEDS. ONLY)	P3 P4	P5 P6	P7 P8	P1 P2			
									OVERLAP PARENT PHASES	Ø2	Ø4	Ø6	Ø8			



RING STRUCTURE

IF CALLED, ALL NON-CONFLICTING PHASES SHALL COMBINE AND TIME CONCURRENTLY. TIME TO BE DETERMINED BY THE ENGINEER AT SIGNAL TURN ON AND SET IN THE CONTROLLER BY THE CONTRACTOR.

LEGEND

- ACTUATED VEHICULAR MOVEMENT
- PARTIALLY RESTRICTED ACTUATED VEHICULAR MOVEMENT
- NON-ACTUATED VEHICULAR MOVEMENT
- PARTIALLY RESTRICTED NON-ACTUATED VEHICULAR MOVEMENT
- ACTUATED PEDESTRIAN MOVEMENT
- NON-ACTUATED PEDESTRIAN MOVEMENT
- VEHICLE STOPPED
- FDW – FLASHING DON'T WALK
- W – WALK
- DW – DON'T WALK
- R/W – RIGHT OF WAY INTERVAL
- YR – YELLOW RIGHT ARROW
- RT. – GREEN RIGHT ARROW
- LY – YL – YELLOW LEFT ARROW
- L – GREEN LEFT ARROW
- S – GREEN STRAIGHT AHEAD ARROW
- G – CIRCULAR GREEN
- Y – CIRCULAR YELLOW
- R – CIRCULAR RED
- RL – RED LEFT ARROW
- Ø – TRAFFIC PHASE
- AO – ALL OTHERS
- FR – FLASHING RED
- FY – FLASHING CIRCULAR YELLOW
- FYL – FLASHING YELLOW LEFT ARROW

FLASHING OPERATION	
ALL	FR
	FY
CONTROLLER TYPE	

TRAFFIC SIGNAL CONTROL OPERATION
INTERSECTION OF FAIR AVE
WITH MO RTE 115

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D-38A

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DATE PREPARED	
3/12/2020	
ROUTE 115	STATE MO
DISTRICT SL	SHEET NO. 73
COUNTY ST LOUIS CITY	
JOB NO. J6S3258	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
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SIGNAL SHEET
ROUTE 115 AT FAIR
D-38A PLAN
SHEET 11 OF 11

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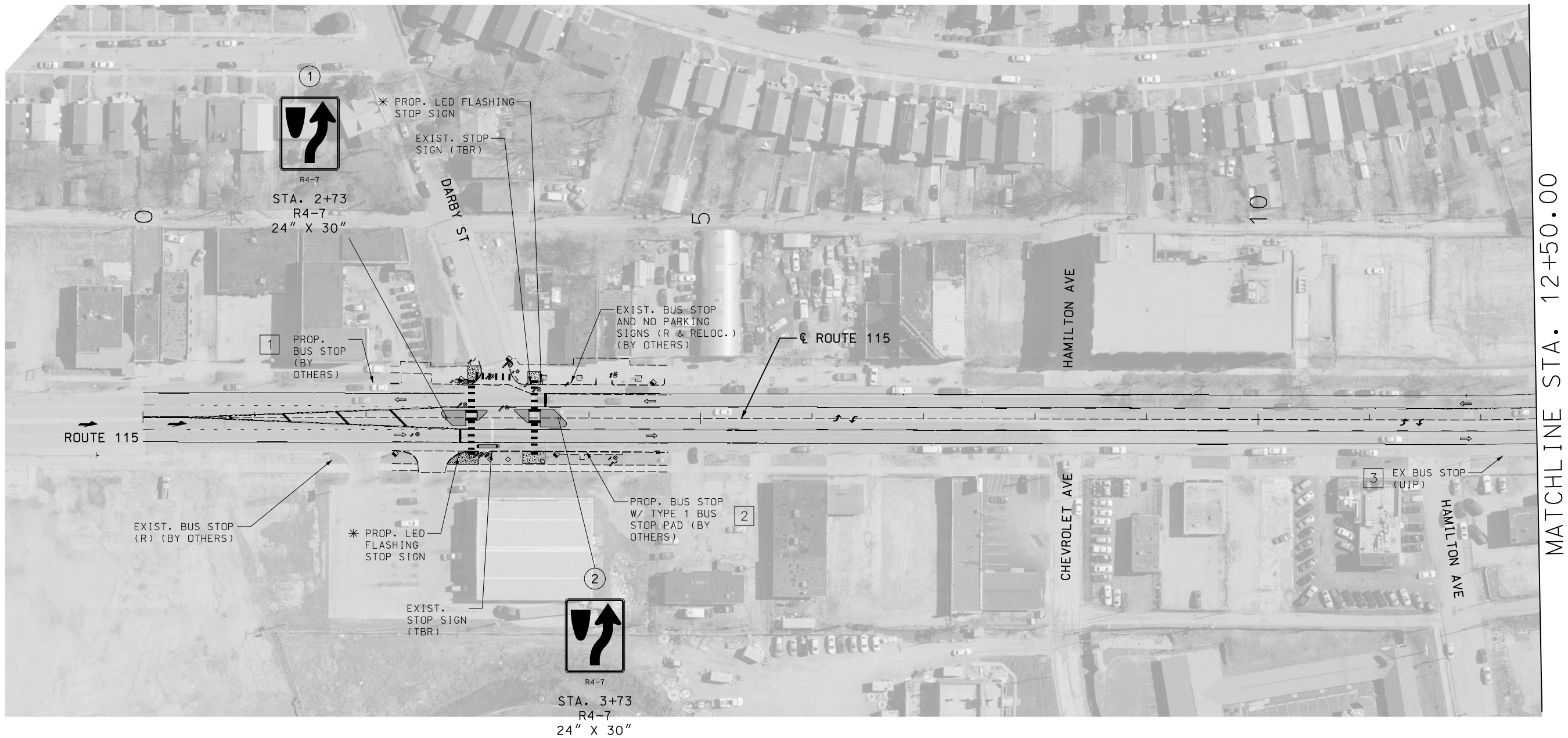

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✳ SEE SHEET 3 FOR QUANTITY

SCALE
0 50 100 150

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DATE PREPARED	
3/12/2020	
ROUTE 115	STATE MO
DISTRICT SL	SHEET NO. 74
COUNTY ST LOUIS CITY	
JOB NO. J6S3258	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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SIGNING SHEET
ROUTE 115
SHEET 1 OF 24

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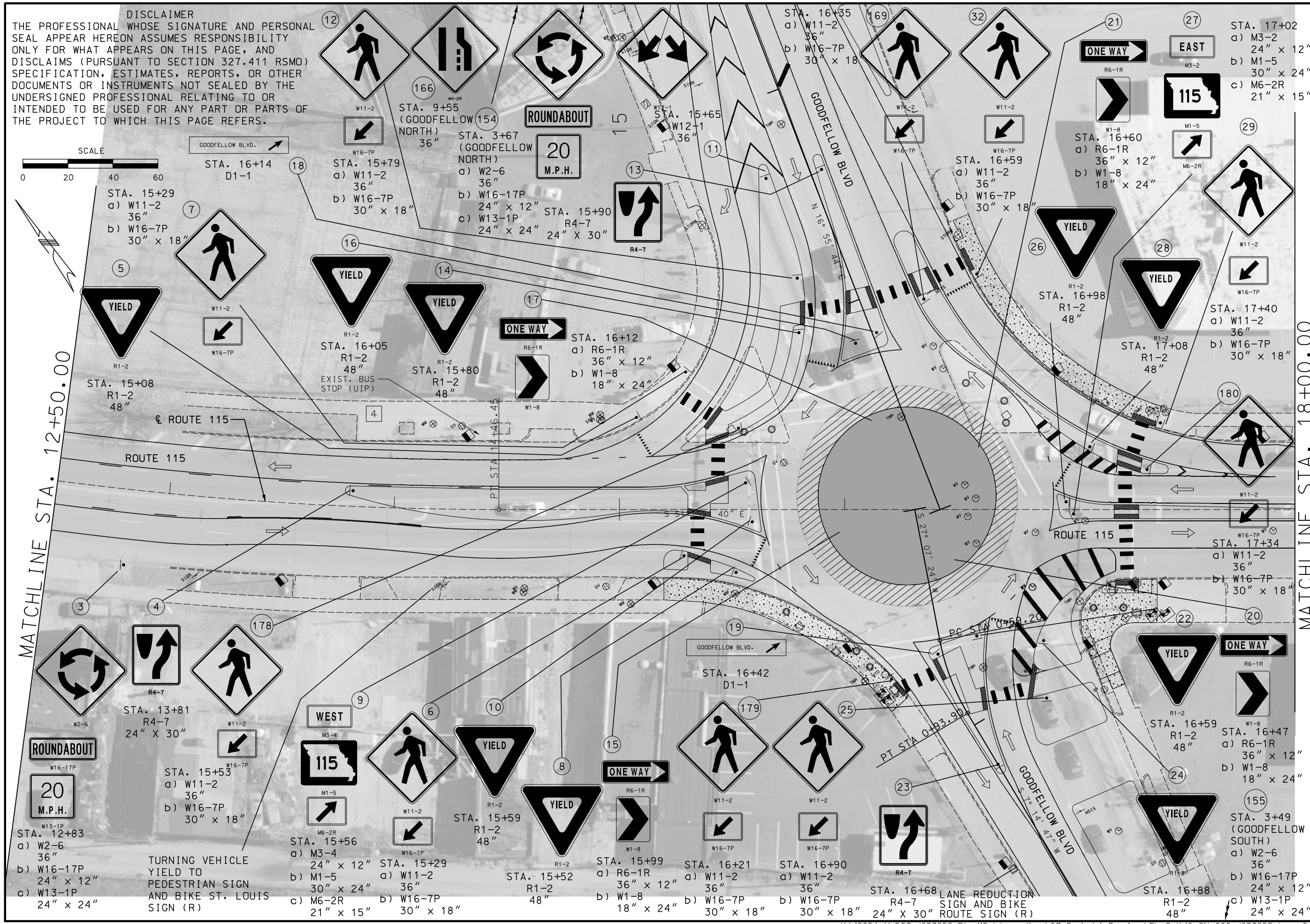

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DATE PREPARED	
3/12/2020	
ROUTE 115	STATE MO
DISTRICT SL	SHEET NO. 75
COUNTY ST LOUIS CITY	
JOB NO. J6S3258	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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SIGNING SHEET
ROUTE 115
SHEET 2 OF 24

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R4-7

STA. 19+07
R4-7
24" X 30"

W2-6

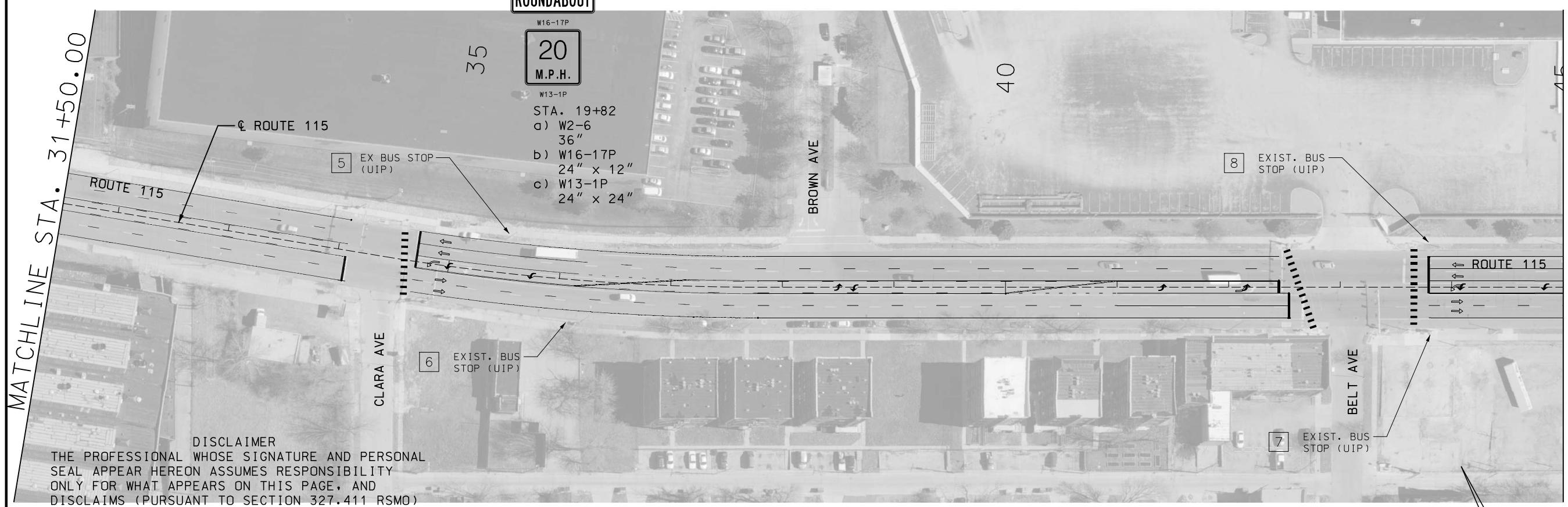
ROUNDABOUT

W16-17P

20
M.P.H.

W13-1P

STA. 19+82
a) W2-6
36"
b) W16-17P
24" x 12"
c) W13-1P
24" x 24"



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ROUTE	115
STATE	MO
DISTRICT	SL
SHEET NO.	76
COUNTY	ST LOUIS CITY
JOB NO.	J6S3258
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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SIGNING SHEET
ROUTE 115
SHEET 3 OF 24

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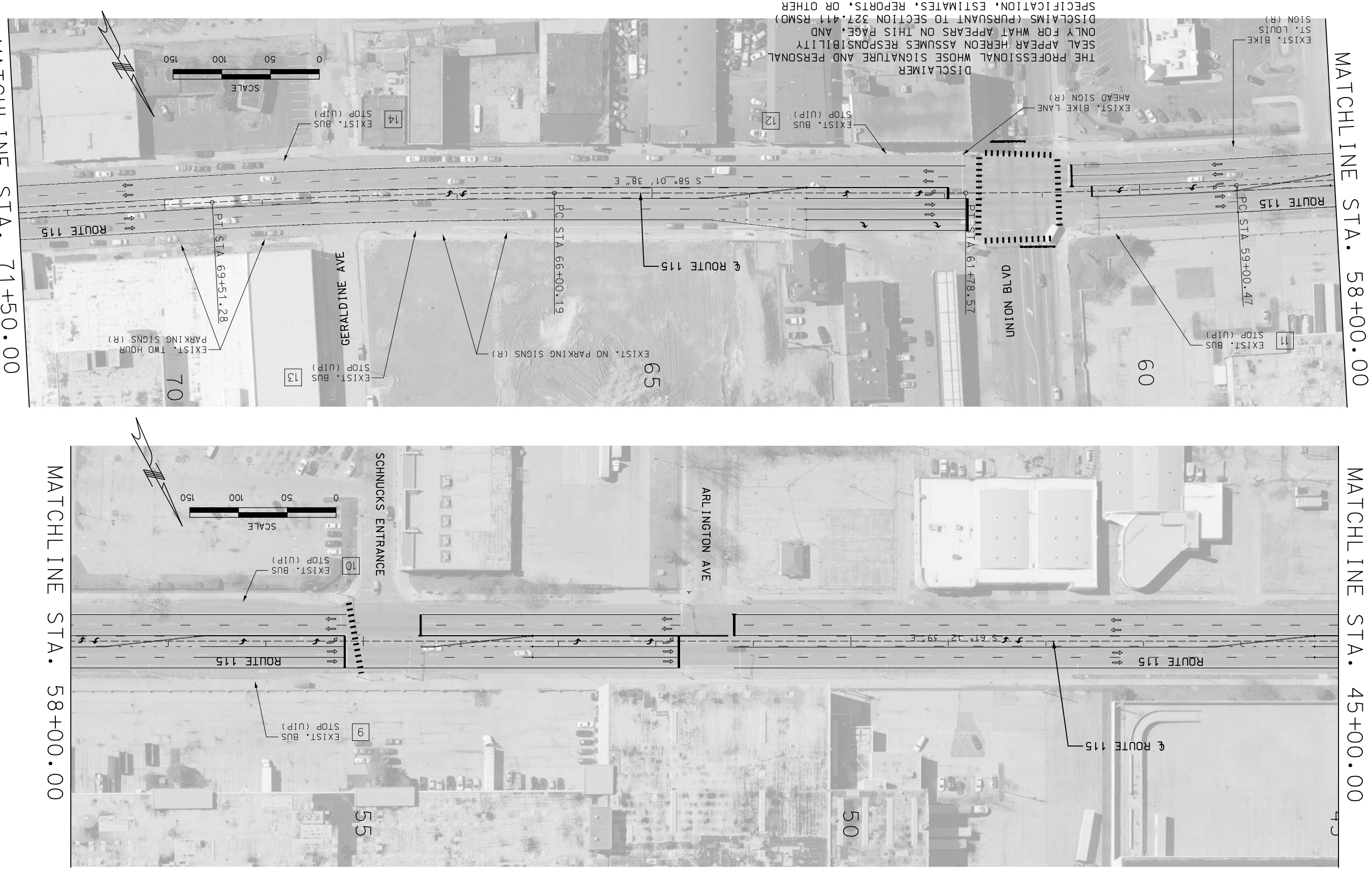

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SIGNING SHEET
ROUTE 115
SHEET 4 OF 24

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

DATE	DESCRIPTION

BRIDGE NO.
PROJECT NO.
CONTRACT ID.
JOB NO. J6S3258
COUNTY ST LOUIS CITY
DISTRICT SL
SHEET NO. 77
ROUTE 115
STATE MO
DATE PREPARED 3/12/2020

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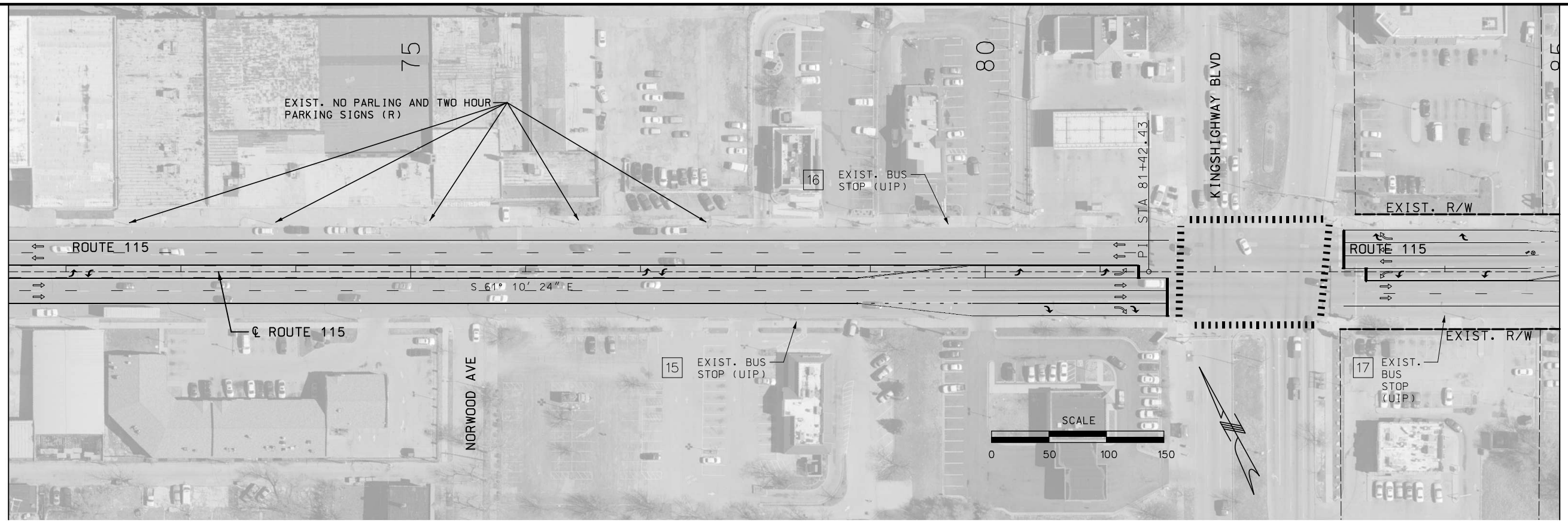

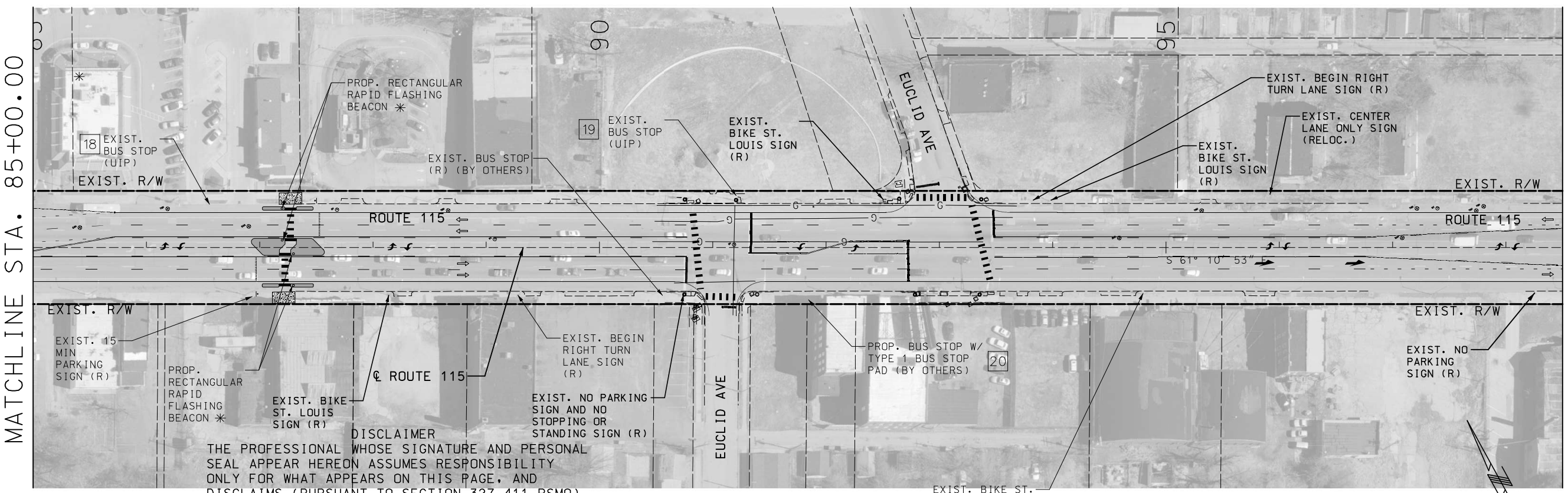

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ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	78
COUNTY	
ST LOUIS CITY	
JOB NO.	
J6S3258	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

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SIGNING SHEET
ROUTE 115
SHEET 5 OF 24

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DATE PREPARED	
3/12/2020	
ROUTE 115	STATE MO
DISTRICT SL	SHEET NO. 79
COUNTY ST LOUIS CITY	
JOB NO. J6S3258	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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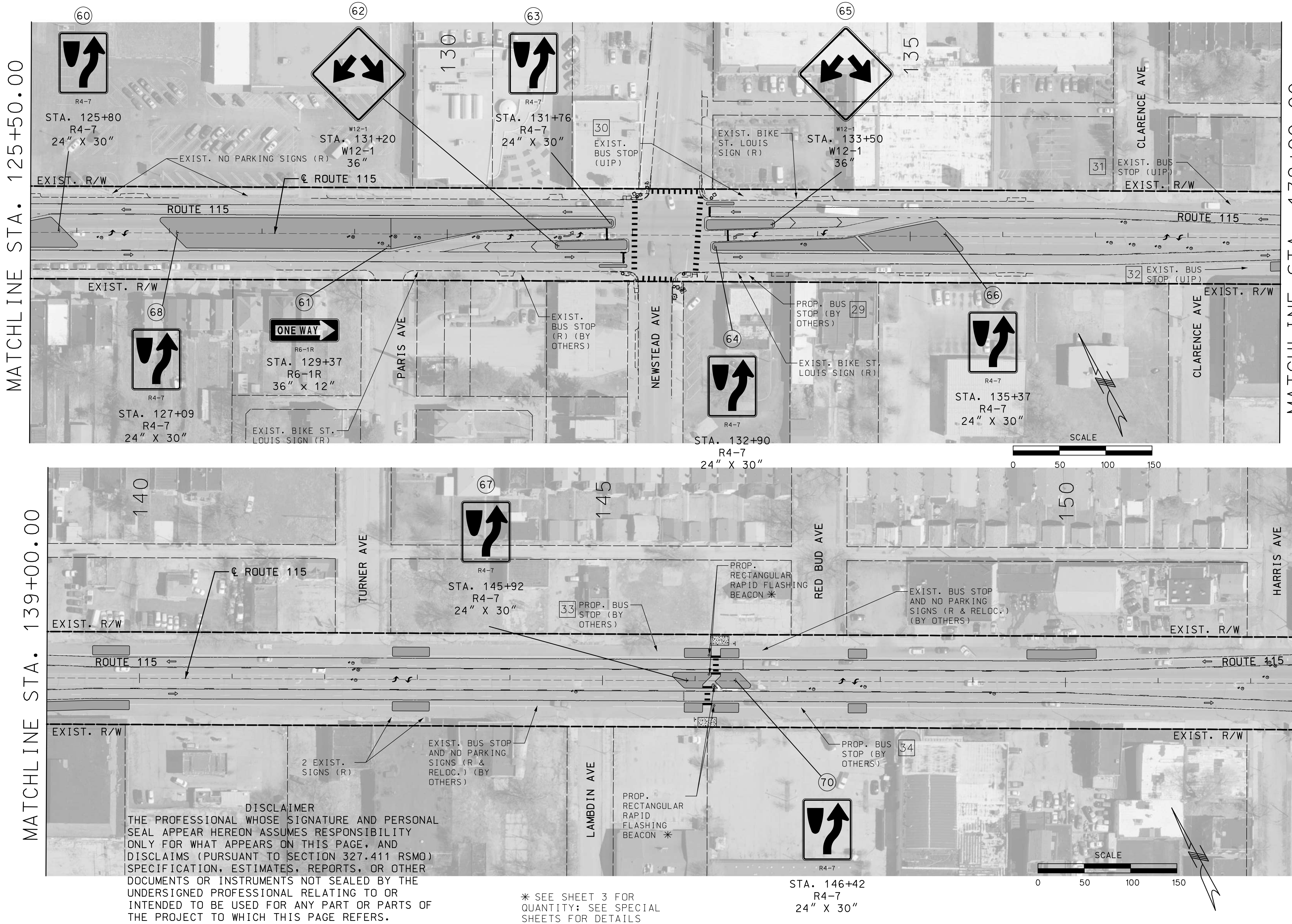
SIGNING SHEET
ROUTE 115
SHEET 6 OF 24



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DATE PREPARED	3/12/2020
ROUTE	115
STATE	MO
DISTRICT	SL
SHEET NO.	80
COUNTY	ST LOUIS CITY
JOB NO.	J6S3258
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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ROUTE 115
SHEET 7 OF 24

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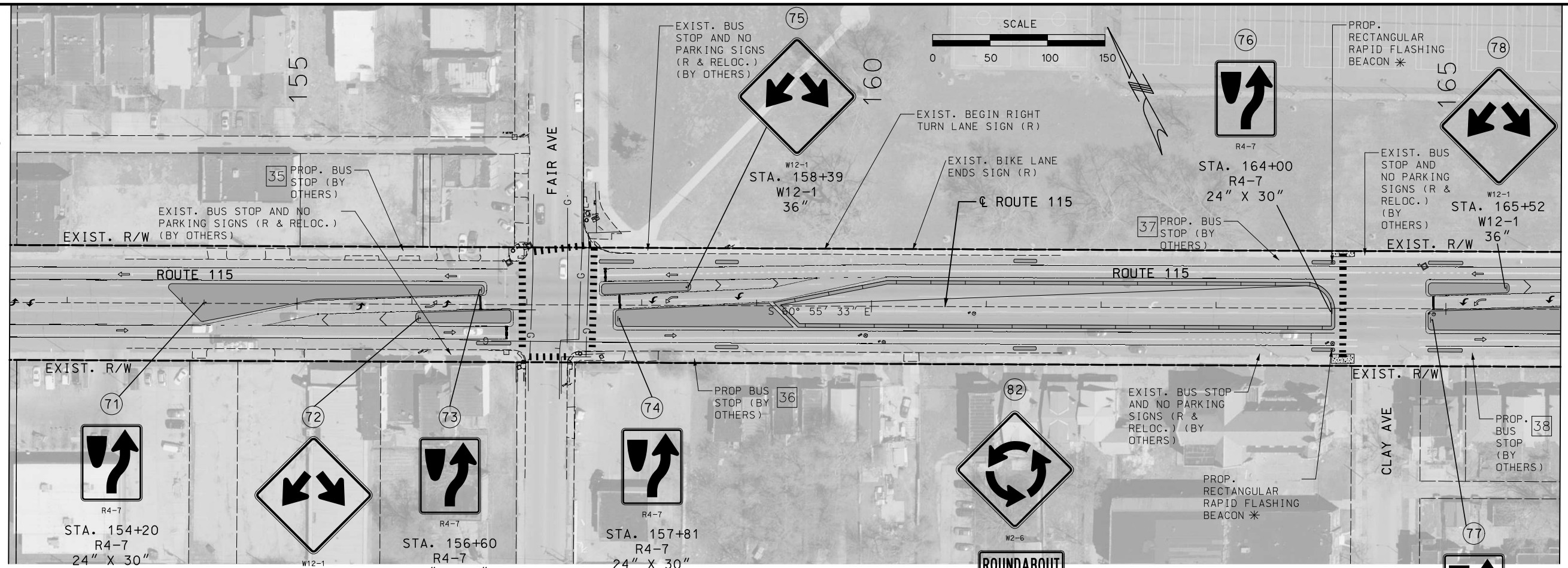

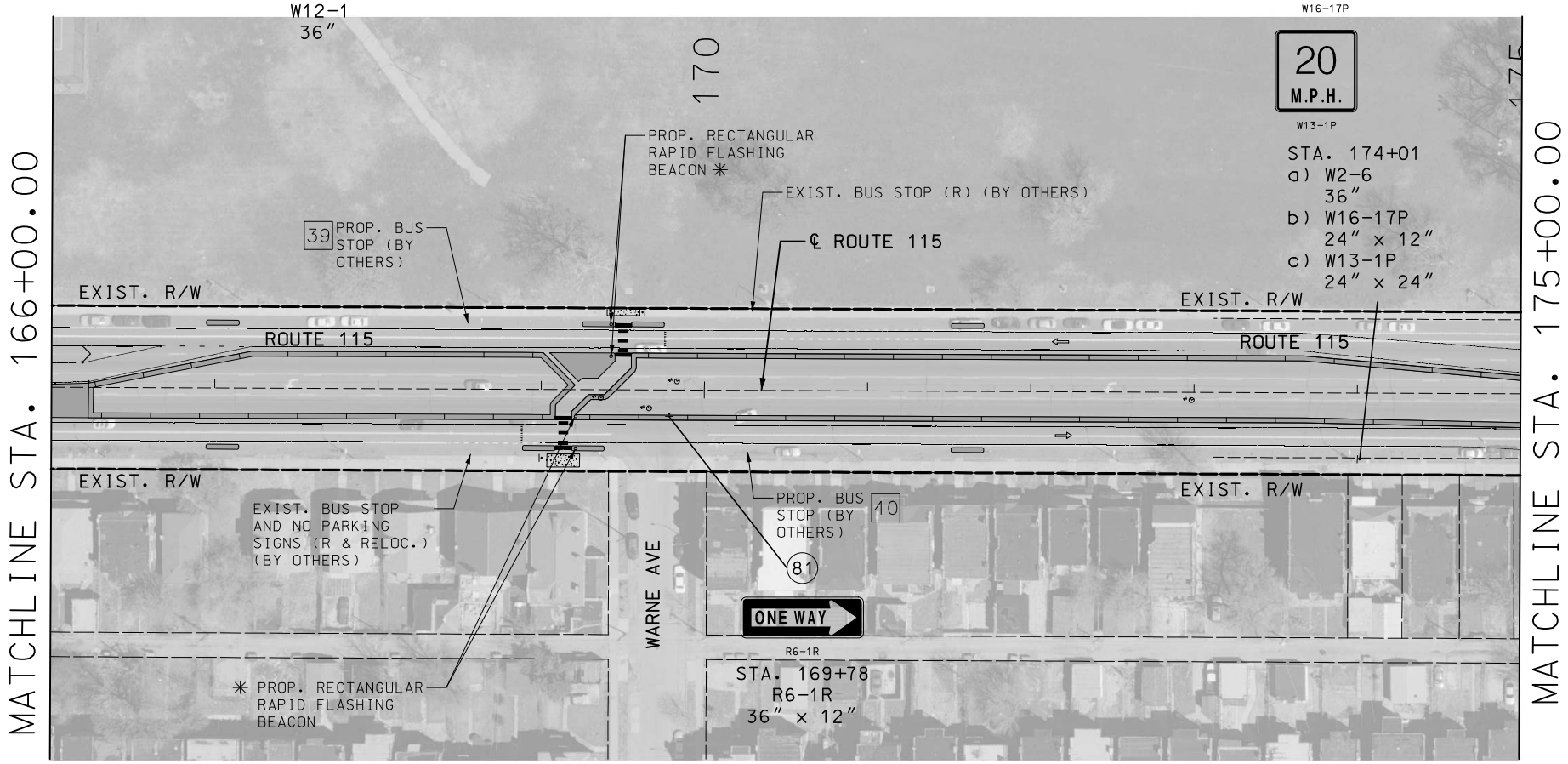

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ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	81
COUNTY	
ST LOUIS CITY	
JOB NO.	
J6S3258	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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

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SIGNING SHEET
ROUTE 115
SHEET 8 OF 24

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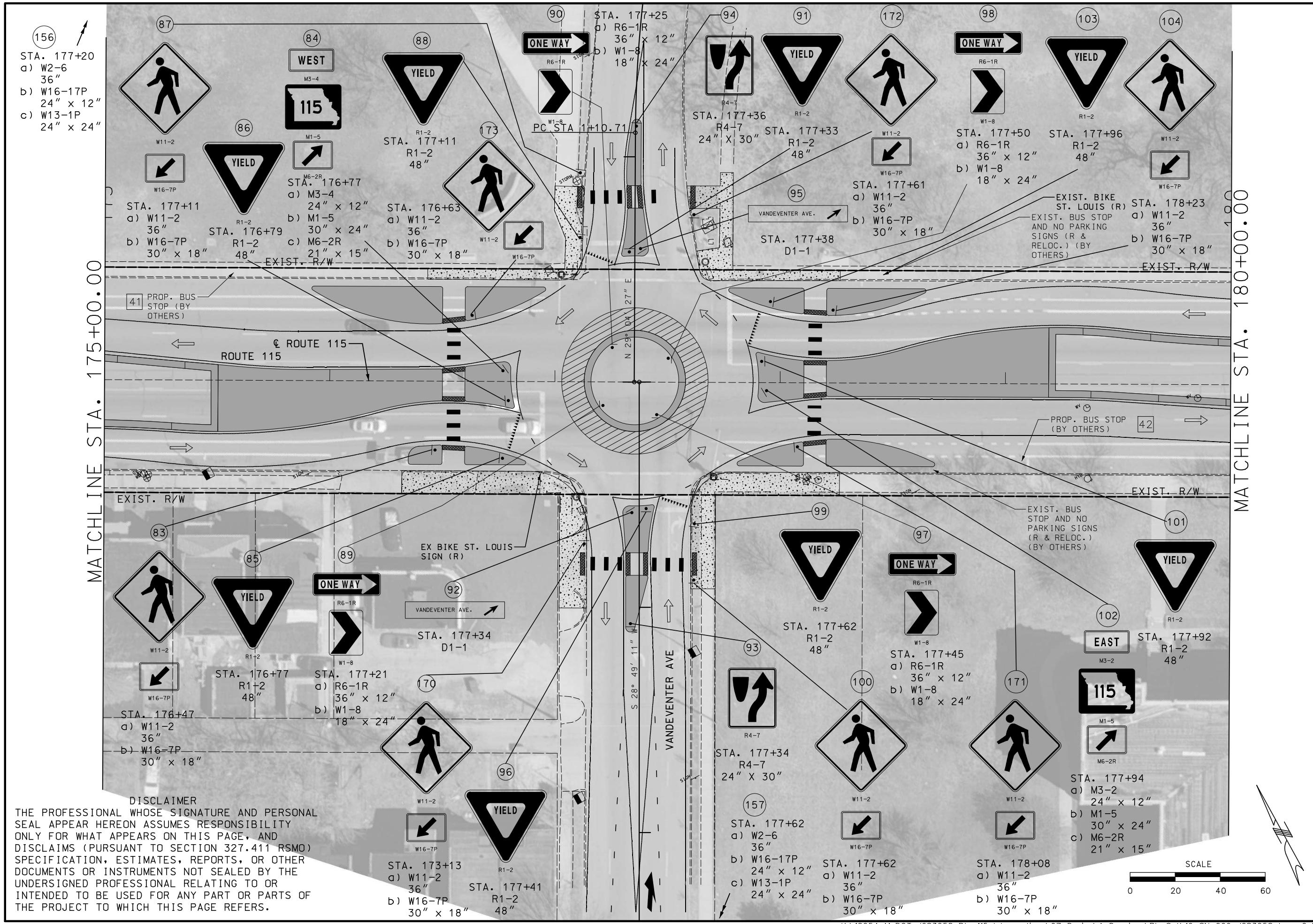

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DATE PREPARED	
3/12/2020	
ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	82
COUNTY	
ST LOUIS CITY	
JOB NO.	
J6S3258	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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SIGNING SHEET
ROUTE 115
SHEET 9 OF 24

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

K:\18054 MoDOT J6S3258 Rte 115 Intersections\07_Design\A_Drawings\PlanSet\10_SN_009_J6S3258.dgn 2:44:24 PM 3/12/2020

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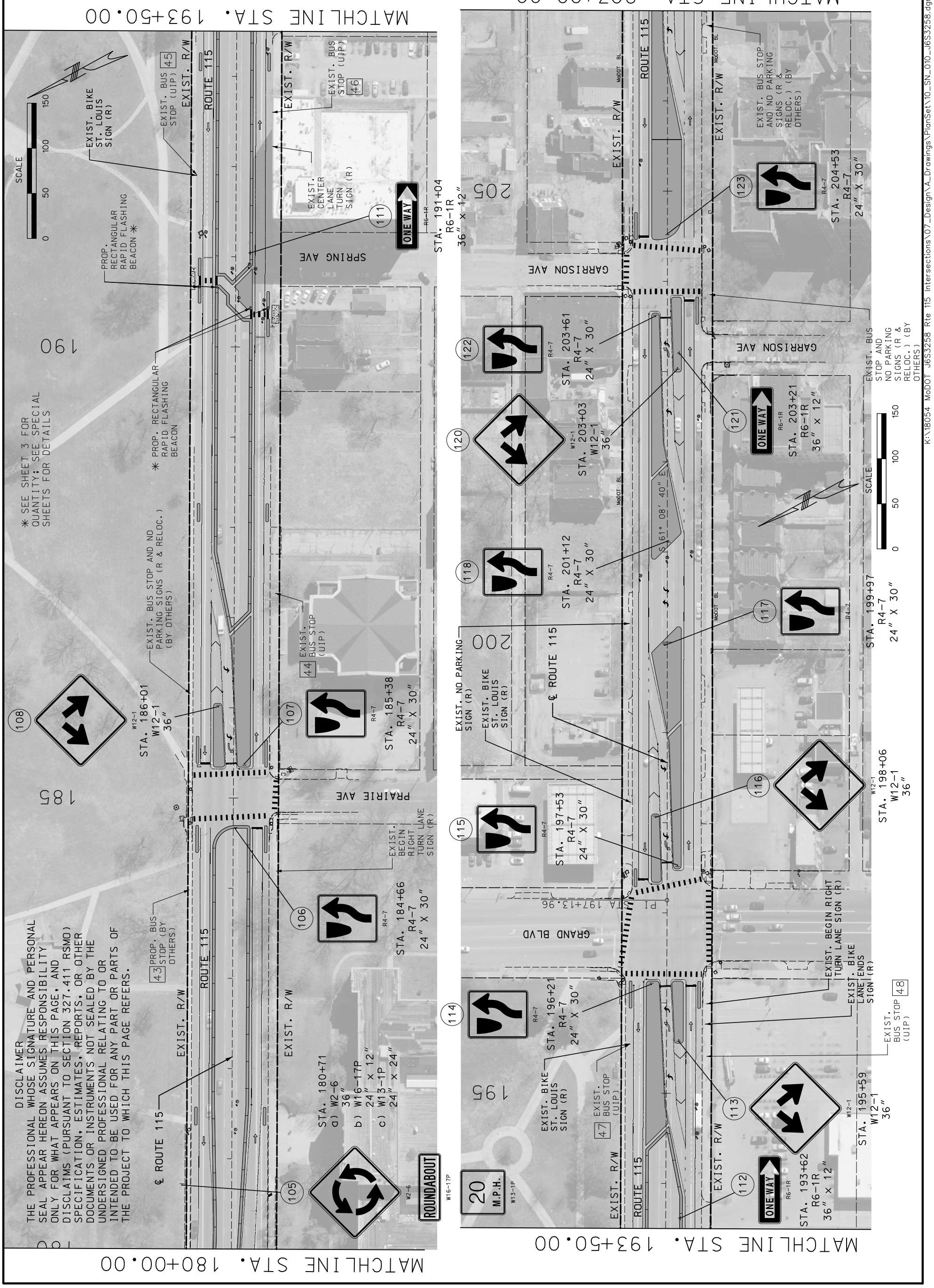
DATE PREPARED	STATE	SHEET NO.	COUNTY	JOB NO.	CONTRACT ID.	PROJECT NO.	BRIDGE NO.
3/12/2020	MO	83	ST LOUIS CITY	J6S3258			
ROUTE 115	DISTRICT SL						

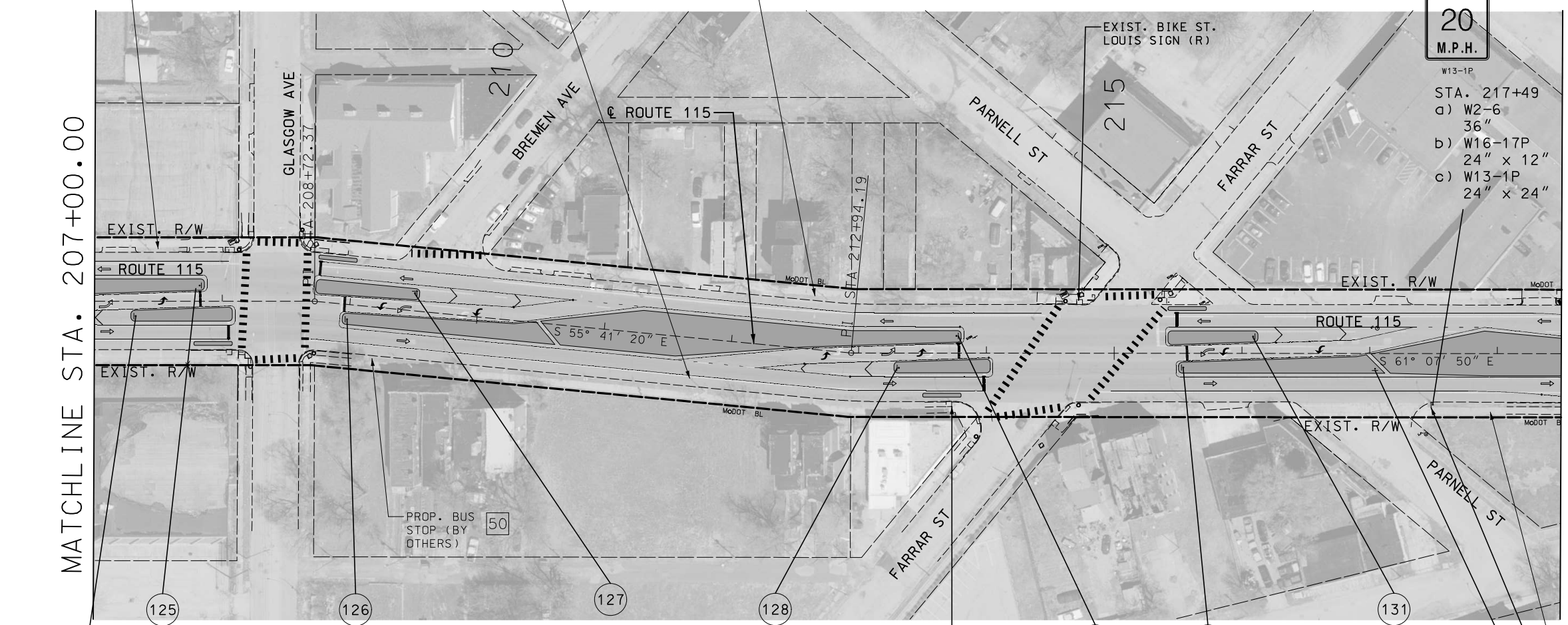
DATE	DESCRIPTION

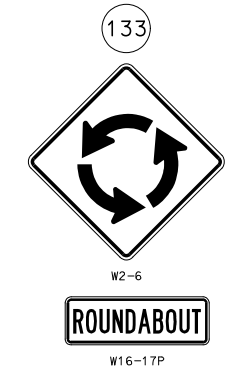
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

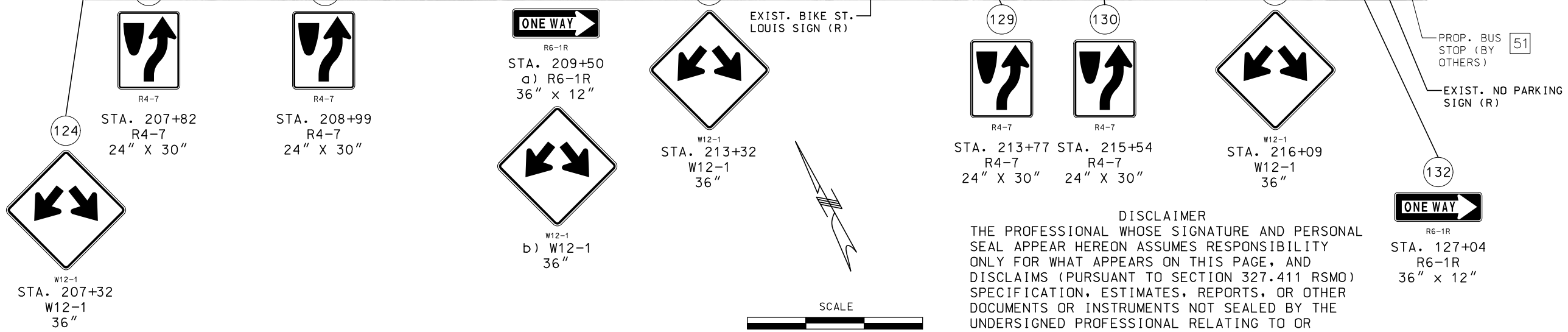
ACCESS ENGINEERING LLC
#2000172588
CIVIL ENGINEERING
ENGINEERING CERTIFICATE OF AUTHORITY
11820 TESSON FERRY ROAD
SUITE 203
ST. LOUIS, MO 63128
(314) 849-8445

SIGNING SHEET
ROUTE 115
SHEET 10 OF 24









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DATE PREPARED	3/12/2020
ROUTE	115
STATE	MO
DISTRICT	SL
SHEET NO.	84
COUNTY	ST LOUIS CITY
JOB NO.	J6S3258
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)

ACCESS ENGINEERING LLC
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(314) 849-8445
#2000172888
CIVIL ENGINEERING
ENGINEERING CERTIFICATE OF AUTHORITY

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SIGNING SHEET
ROUTE 115
SHEET 11 OF 24

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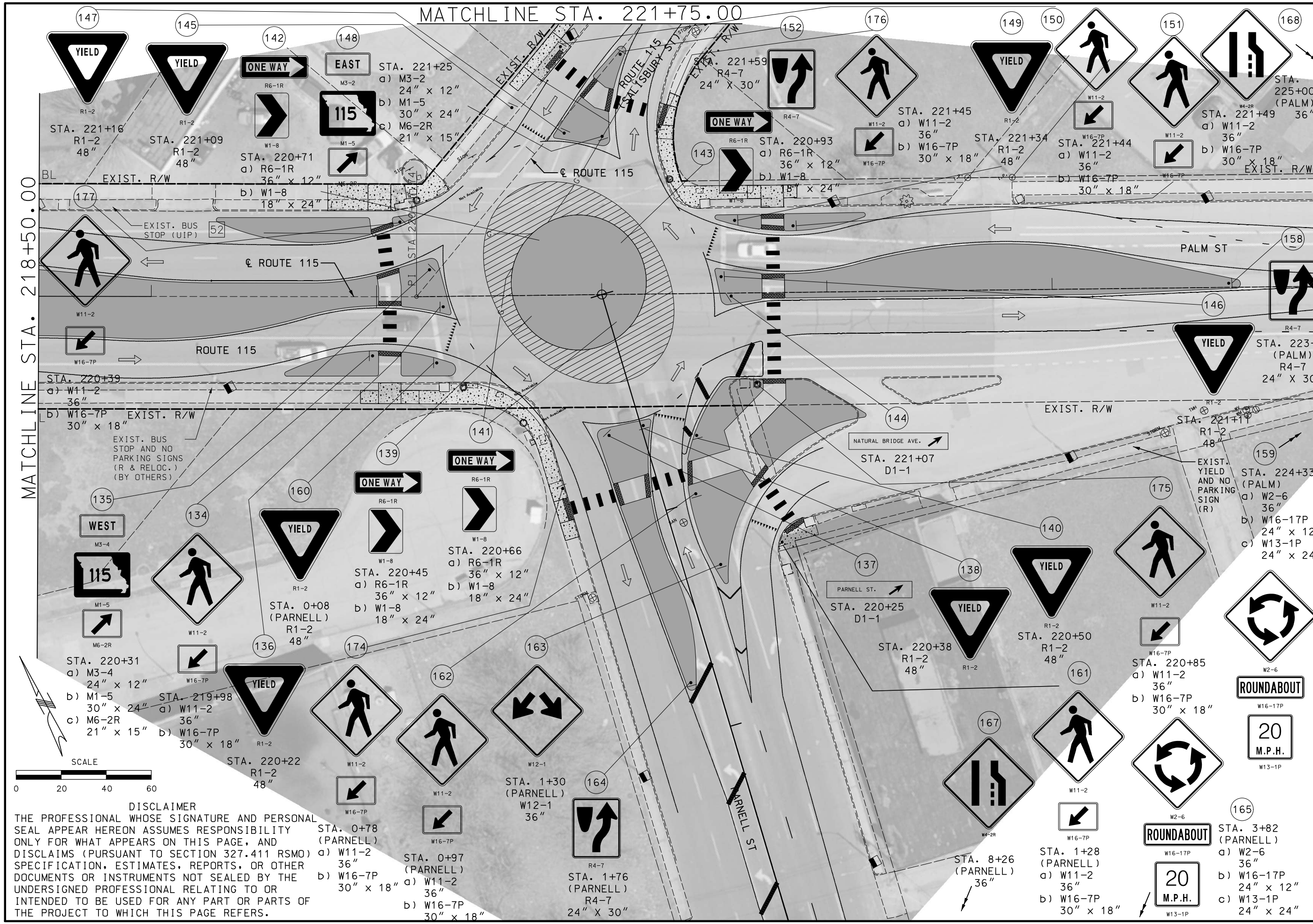

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DATE PREPARED	
3/12/2020	
ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	85

COUNTY: ST LOUIS CITY

JOB NO.: J6S3258

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)

ACCESS ENGINEERING LLC

11820 TESSON FERRY ROAD
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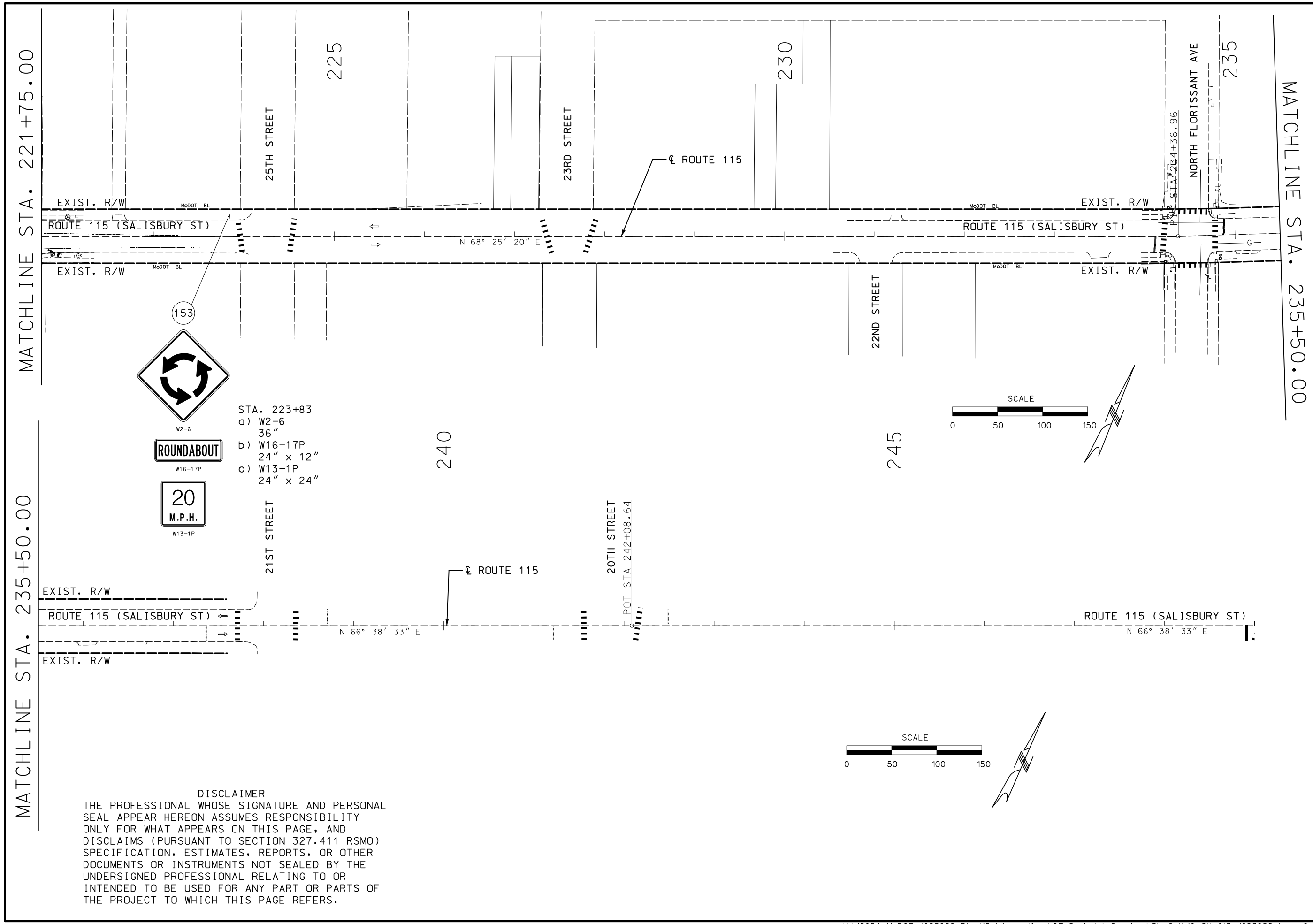
SIGNING SHEET
ROUTE 115
SHEET 12 OF 24



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DATE PREPARED	3/12/2020
ROUTE	115
STATE	MO
DISTRICT	SL
SHEET NO.	86
COUNTY	ST LOUIS CITY
JOB NO.	J6S3258
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)

ACCESS ENGINEERING LLC
11820 TESSON FERRY ROAD
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(314) 849-8445
#2000172588
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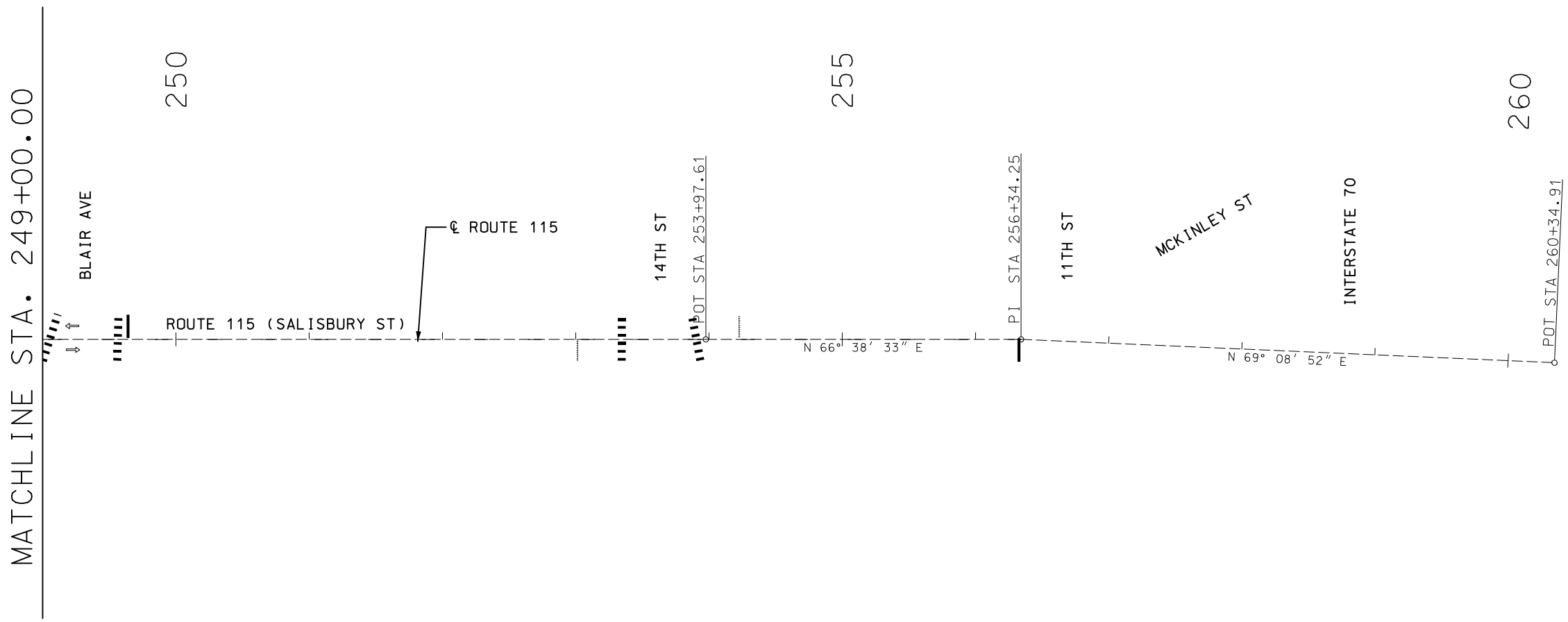
SIGNING SHEET
ROUTE 115
SHEET 13 OF 24



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SCALE
0 50 100 150

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

DATE PREPARED	3/12/2020
ROUTE	115
STATE	MO
DISTRICT	SL
SHEET NO.	87
COUNTY	ST LOUIS CITY
JOB NO.	J6S3258
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)

ACCESS ENGINEERING LLC
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SIGNING SHEET
ROUTE 115
SHEET 14 OF 24

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

K:\18054 MoDOT J6S3258 Rte 115 Intersections\07_Design\A_Drawings\PlanSet\10_SN_014_J6S3258.dgn 2:45:07 PM 3/12/2020

EFFECTIVE 12-01-2017

SIGNS						PIPE POST ✳					STRUCTURAL STEEL											U CHANNEL POST	PERFORATED SQUARE STEEL TUBE POST															FOOTINGS		REMARKS AND OTHER REQUIRED ITEMS.
902 SIGNAL SIGNS TABULATED ON D-37A SHEET											POSTS ✳						BACKING BARS 2" X 1/8" BARS @ 2.55 LBS PER LIN FT				TOTAL		2 IN							2.5 IN						BREAK-AWAY ASSEMBLY	EMBD	BOLT DOWN	
SIGN NO.	SIGN SIZE	STATION	HORZ CLEAR IF NOT STD	LOCATION	SIGN DTL. SHT. NO.	PIPE SIZE	POST NO.1	POST NO.2	LBS PER FT	TOTAL ITEM NO. 9031220	POST DES NO.	POST NO.1	POST NO.2	POST NO.3	LBS PER FT	TOTAL	NO. EACH	LGTH	TOTAL	TOTAL	ITEM NO. 9031210	ITEM NO. 9031250	POST NO.1	POST NO.2	TOTAL ITEM NO. 9031270A	ANCHOR 7 GA. ITEM NO. 9031273	OMNI 7 GA. ITEM NO. 9031279	ANCHOR 12 GA. ITEM NO. 9031271	OMNI 12 GA. ITEM NO. 9031278	POST NO.1	POST NO.2	TOTAL ITEM NO. 9031280	2.25" INSERT ITEM NO. 9031272	ANCHOR 7 GA. ITEM NO. 9031281	OMNI 7 GA. ITEM NO. 9031282	ITEM NO. 9031241	ITEM NO. 9031010	ITEM NO. 9031020	
						IN.	LF	LF		LBS		LF	LF	LF		LBS	EACH	IN.	LF	LBS	LBS	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EACH	CU YDS	CU YDS	
1	24"x30"	2+73		ROUTE 115																			11		11	3											0.1		
2	24"x30"	3+73		ROUTE 115																			11		11	3											0.1		
3a	36"	12+83		ROUTE 115																										14		14	14	3		1	0.1		
3b	24"x12"																																						
3c	24"x24"																																						
4	24"x30"	13+81		ROUTE 115																			11		11	3											0.1		
5	48"	15+08		ROUTE 115																			12	12	24	6											0.2		
6a	36"	15+29		ROUTE 115																										12		12		3			0.1		
6b	30"x18"																																						
7a	36"	15+29		ROUTE 115																										12		12		3			0.1		
7b	30"x18"																																						
8	48"	15+52		ROUTE 115																			12	12	24	6											0.2		
9a	24"x12"	15+56		ROUTE 115																			10		10	3											0.1		
9b	30"x24"																																						
9c	21"x15"																																						
10	48"	15+59		ROUTE 115																			12	12	24	6											0.2		
11	36"	15+65		ROUTE 115																			10		10	3											0.1		
12a	36"	15+79		ROUTE 115																										12		12		3			0.1		
12b	30"x18"																																						
13	24"x30"	15+90		ROUTE 115																			11		11	3											0.1		
14	48"	15+80		ROUTE 115																			12	12	24	6											0.2		
15a	36"x12"	15+99		ROUTE 115																			9		9	3											0.1		
15b	18"x24"																																						
16	48"	16+05		ROUTE 115																			12	12	24	6											0.2		
17a	36"x12"	16+12		ROUTE 115																			9		9	3											0.1		
17b	18"x24"																																						
18		16+14		ROUTE 115																																			
19		16+42		ROUTE 115																																			
20a	36"x12"	16+47		ROUTE 115																			9		9	3											0.1		
20b	18"x24"																																						
21a	36"x12"	16+60		ROUTE 115																			9		9	3											0.1		
21b	18"x24"																																						
22	48"	16+59		ROUTE 115																			12	12	24	6											0.2		
23	24"x30"	16+68		ROUTE 115																			11		11	3											0.1		
24	48"	16+88		ROUTE 115																																			
25a	36'	16+90		ROUTE 115																										12		12		3			0.1		
25b	30"x18"																																						
26	48"	17+00		ROUTE 115																			12	12	24	6											0.2		
27a	24"x12"	17+02		ROUTE 115																			10		10	3											0.1		
27b	30"x24"																																						
27c	21"x15"																																						
28	48"	17+08		ROUTE 115																			12	12	24	6											0.2		
29a	36"	17+40		ROUTE 115																										12		12		3			0.1		
29b	30"x18"																																						
30	24"x30"	19+07		ROUTE 115																			11		11	3											0.1		
31a	36"	19+82		ROUTE 115																										14		14	14	3		1	0.1		
31b	24"x12"																																						
31c	24"x24"																																						
32a	36"	16+59		ROUTE 115																										12		12		3			0.1		
32b	30"x18"																																						
33	NOT USED																																						
34	NOT USED																																						
35	NOT USED																																						
36	NOT USED																																						
37	NOT USED																																						
38	NOT USED																																						
39	NOT USED																																						
40	24"x30"	100+28		ROUTE 115																			11		11	3											0.1		
41	36"	101+04		ROUTE 115																			10		10	3											0.1		
SUBTOTAL I																									342	93						100	28	24		2	3.9		

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✳ BREAKAWAY ASSEMBLY IS INCIDENTAL FOR PIPE AND STRUCTURAL STEEL POSTS

ROUND PIPE POST AND FOOTING DATA TABLE

NOM.SIZE	WEIGHT		STUB LENGTH	FOOTING		CONCRETE
(IN.)	LBS/FT	LBS/IN		DIA.	DEPTH	C.Y.
2 1/2	5.79	0.48	4'- 3 1/2"	12"	4'-6"	0.13
3	7.58	0.63	4'- 3 1/2"	12"	4'-6"	0.13
4	10.79	0.90	5'- 3 1/2"	18"	5'-6"	0.36

POST AND FOOTING DATA TABLE

POST DES. NO.	NOM. SIZE	POST WEIGHT LBS/FT	POST WEIGHT LBS/IN	STUB LENGTH	FOOTING DIA.	LEVEL GROUND DEPTH	LEVEL GROUND C.Y.	6:1 GRADE DEPTH	6:1 GRADE C.Y.	4:1 GRADE DEPTH	4:1 GRADE C.Y.	3:1 OR 2:1 GRADE DEPTH	3:1 OR 2:1 GRADE C.Y.
1	W6	9.0	0.75	3'-0"	15"	3'-0"	0.14	3'-2"	0.15	3'-3"	0.16	3'-6"	0.17
2	W6	15.0	1.25	4'-0"	24"	4'-0"	0.47	4'-2"	0.50	4'-3"	0.51	4'-6"	0.54
3	W8	18.0	1.50	4'-6"	28"	4'-6"	0.71	4'-8"	0.73	4'-9"	0.74	5'-0"	0.78
4	W10	22.0	1.83	5'-0"	36"	5'-0"	1.31	5'-2"	1.36	5'-3"	1.39	5'-6"	1.45
5	W10	26.0	2.17	5'-0"	36"	5'-0"	1.31	5'-3"	1.37	5'-5"	1.43	5'-9"	1.52
6	W12	35.0	2.92	5'-6"	36"	5'-6"	1.44	5'-9"	1.52	5'-11"	1.56	6'-3"	1.65

D-29
1 OF 5

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DATE PREPARED: 3/12/2020
ROUTE: 115
STATE: MO
DISTRICT: SL
SHEET NO.: 88
COUNTY: ST LOUIS CITY
JOB NO.: J6S3258
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)

ACCESS ENGINEERING LLC
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#2000172588
CIVIL ENGINEERING
ENGINEERING CERTIFICATE OF AUTHORITY

SIGNING SHEET
ROUTE 115
SHEET 15 OF 24

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

EFFECTIVE 12-01-2017

SIGNS (902 SIGNAL SIGNS TABULATED ON D-37A SHEET)						PIPE POST ✳					STRUCTURAL STEEL – POSTS ✳						BACKING BARS 2"x⅜" BARS @ 2.55 LBS PER LIN FT				TOTAL	U CHANNEL POST	PERFORATED SQUARE STEEL TUBE POST – 2 IN							2.5 IN						BREAK-AWAY ASSEMBLY	FOOTINGS		REMARKS AND OTHER REQUIRED ITEMS.
SIGN NO.	SIGN SIZE	STATION	HORZ CLEAR IF NOT STD	LOCATION	SIGN DTL. SHT. NO.	PIPE SIZE	POST NO.1	POST NO.2	LBS PER FT	TOTAL ITEM NO. 9031220	POST DES NO.	POST NO.1	POST NO.2	POST NO.3	LBS PER FT	TOTAL	NO. EACH	LGTH	TOTAL	TOTAL	ITEM NO. 9031210	ITEM NO. 9031250	POST NO.1	POST NO.2	TOTAL ITEM NO. 9031270A	ANCHOR 7 GA. ITEM NO. 9031273	OMNI 7 GA. ITEM NO. 9031279	ANCHOR 12 GA. ITEM NO. 9031271	OMNI 12 GA. ITEM NO. 9031278	POST NO.1	POST NO.2	TOTAL ITEM NO. 9031280	2.25" INSERT ITEM NO. 9031272	ANCHOR 7 GA. ITEM NO. 9031281	OMNI 7 GA. ITEM NO. 9031282	ASSEMBLY ITEM NO. 9031241	EMBD ITEM NO. 9031010	BOLT DOWN ITEM NO. 9031020	
						IN.	LF	LF		LBS		LF	LF	LF		LBS		IN.	LF	LBS	LBS	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EACH	CU YDS	CU YDS	
42	24"x30"	101+61		ROUTE 115																			11		11	3											0.1		
43	24"x30"	102+67		ROUTE 115																			11		11	3											0.1		
44	36"	103+23		ROUTE 115																			10		10	3											0.1		
45	36"	105+94		ROUTE 115																			10		10	3											0.1		
46	24"x30"	106+51		ROUTE 115																			11		11	3											0.1		
47	24"x30"	107+57		ROUTE 115																			11		11	3											0.1		
48	36"	108+13		ROUTE 115																			10		10	3											0.1		
49	24"x30"	112+10		ROUTE 115																			11		11	3											0.1		
50	NOT USED																																						
51	24"x30"	114+27		ROUTE 115																			11		11	3											0.1		
52	NOT USED																																						
53	24"x30"	114+92		ROUTE 115																			11		11	3											0.1		
54	24"x30"	116+93		ROUTE 115																			11		11	3											0.1		
55	24"x30"	119+30		ROUTE 115																			11		11	3											0.1		
56	24"x30"	120+42		ROUTE 115																			11		11	3											0.1		
57	24"x30"	122+46		ROUTE 115																			11		11	3											0.1		
58	24"x30"	123+35		ROUTE 115																			11		11	3											0.1		
59	36"	123+90		ROUTE 115																			10		10	3											0.1		
60	24"x30"	125+80		ROUTE 115																			11		11	3											0.1		
61	36"x12"	129+37		ROUTE 115																			7		7	3											0.1		
62	36"	131+20		ROUTE 115																			10		10	3											0.1		
63	24"x30"	131+76		ROUTE 115																			11		11	3											0.1		
64	24"x30"	132+90		ROUTE 115																			11		11	3											0.1		
65	36"	133+50		ROUTE 115																			10		10	3											0.1		
66	24"x30"	135+37		ROUTE 115																			11		11	3											0.1		
67	24"x30"	145+92		ROUTE 115																			11		11	3											0.1		
68	NOT USED																																						
69	NOT USED																																						
70	24"x30"	146+42		ROUTE 115																			11		11	3											0.1		
71	24"x30"	154+20		ROUTE 115																			11		11	3											0.1		
72	36"	156+07		ROUTE 115																			10		10	3											0.1		
73	24"x30"	156+60		ROUTE 115																			11		11	3											0.1		
74	24"x30"	157+81		ROUTE 115																			11		11	3											0.1		
75	36"	158+39		ROUTE 115																			10		10	3											0.1		
76	24"x30"	164+00		ROUTE 115																			11		11	3											0.1		
77	24"x30"	164+86		ROUTE 115																			11		11	3											0.1		
78	36"	165+52		ROUTE 115																			10		10	3											0.1		
79	NOT USED																																						
80	NOT USED																																						
81	36"x12"	169+78		ROUTE 115																			7		7	3											0.1		
82a	36"	174+01		ROUTE 115																										14		14	14	3		1	0.1		
82b	24"x12"																																						
82c	24"x24"																																						
83a	36"	176+47		ROUTE 115																										12		12		3			0.1		
83b	30"x18"																																						
84a	24"x12"	176+77		ROUTE 115																			10		10	3											0.1		
84b	30"x24"																																						
84c	21"x15"																																						
85	48"	176+77		ROUTE 115																			12	12	24	6											0.2		
86	48"	176+79		ROUTE 115																			12	12	24	6											0.2		
87a	36"	177+11		ROUTE 115																										12		12		3			0.1		
87b	30"x18"																																						
88	48"	177+11		ROUTE 115																			12	12	24	6											0.2		
89a	36"x12"	177+21		ROUTE 115																			9		9	3											0.1		
89b	18"x24"																																						
90a	36"x12"	177+25		ROUTE 115																			9		9	3											0.1		
90b	18"x24"																																						
91	48"	177+33		ROUTE 115																			12	12	24	6											0.2		
92		177+34		ROUTE 115																																			
93	24"x30"	177+34		ROUTE 115																			11		11	3											0.1		
				SUBTOTAL II																					483	138						38	14	9		1	4.9		

DISCLAIMER

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

✳ BREAKAWAY ASSEMBLY IS INCIDENTAL FOR PIPE AND STRUCTURAL STEEL POSTS

ROUND PIPE POST AND FOOTING DATA TABLE

NOM. SIZE (IN.)	WEIGHT LBS/FT	WEIGHT LBS/IN	STUB LENGTH	FOOTING DIA.	FOOTING DEPTH	CONCRETE C.Y.
2½	5.79	0.48	4'-3½"	12"	4'-6"	0.13
3	7.58	0.63	4'-3½"	12"	4'-6"	0.13
4	10.79	0.90	5'-3½"	18"	5'-6"	0.36

POST AND FOOTING DATA TABLE

POST DES. NO.	NOM. SIZE	POST WEIGHT LBS/FT	POST WEIGHT LBS/IN	STUB LENGTH	FOOTING DIA.	LEVEL GROUND DEPTH	LEVEL GROUND C.Y.	6:1 GRADE DEPTH	6:1 GRADE C.Y.	4:1 GRADE DEPTH	4:1 GRADE C.Y.	3:1 OR 2:1 GRADE DEPTH	3:1 OR 2:1 GRADE C.Y.
1	W6	9.0	0.75	3'-0"	15"	3'-0"	0.14	3'-2"	0.15	3'-3"	0.16	3'-6"	0.17
2	W6	15.0	1.25	4'-0"	24"	4'-0"	0.47	4'-2"	0.50	4'-3"	0.51	4'-6"	0.54
3	W8	18.0	1.50	4'-6"	28"	4'-6"	0.71	4'-8"	0.73	4'-9"	0.74	5'-0"	0.78
4	W10	22.0	1.83	5'-0"	36"	5'-0"	1.31	5'-2"	1.36	5'-3"	1.39	5'-6"	1.45
5	W10	26.0	2.17	5'-0"	36"	5'-0"	1.31	5'-3"	1.37	5'-5"	1.43	5'-9"	1.52
6	W12	35.0	2.92	5'-6"	36"	5'-6"	1.44	5'-9"	1.52	5'-11"	1.56	6'-3"	1.65

D-29

2 OF 5

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

DATE PREPARED 3/12/2020

ROUTE 115 | STATE MO

DISTRICT SL | SHEET NO. 89

COUNTY ST LOUIS CITY

JOB NO. J6S3258

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)

ACCESS ENGINEERING LLC
11820 TESSON FERRY ROAD
SUITE 203
ST. LOUIS, MO 63128
(314) 849-8445
#2000172588
CIVIL ENGINEERING
ENGINEERING CERTIFICATE OF AUTHORITY

SIGNING SHEET
ROUTE 115
SHEET 16 OF 24

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

EFFECTIVE 12-01-2017

SIGNS						PIPE POST ✳					STRUCTURAL STEEL											U CHANNEL POST	PERFORATED SQUARE STEEL TUBE POST															FOOTINGS		REMARKS AND OTHER REQUIRED ITEMS.
902 SIGNAL SIGNS TABULATED ON D-37A SHEET											POSTS ✳						BACKING BARS 2"x⅜" BARS @ 2.55 LBS PER LIN FT				TOTAL		2 IN							2.5 IN						BREAK-AWAY ASSEMBLY	EMBD	BOLT DOWN	
SIGN NO.	SIGN SIZE	STATION	HORZ CLEAR IF NOT STD	LOCATION	SIGN DTL. SHT. NO.	PIPE SIZE	POST NO.1	POST NO.2	LBS PER FT	TOTAL ITEM NO. 9031220	POST DES NO.	POST NO.1	POST NO.2	POST NO.3	LBS PER FT	TOTAL	NO. EACH	LGTH	TOTAL	TOTAL	ITEM NO. 9031210	ITEM NO. 9031250	POST NO.1	POST NO.2	TOTAL ITEM NO. 9031270A	ANCHOR 7 GA. ITEM NO. 9031273	OMNI 7 GA. ITEM NO. 9031279	ANCHOR 12 GA. ITEM NO. 9031271	OMNI 12 GA. ITEM NO. 9031278	POST NO.1	POST NO.2	TOTAL ITEM NO. 9031280	2.25" INSERT ITEM NO. 9031272	ANCHOR 7 GA. ITEM NO. 9031281	OMNI 7 GA. ITEM NO. 9031282	ITEM NO. 9031241	ITEM NO. 9031010	ITEM NO. 9031020	
						IN.	LF	LF		LBS		LF	LF	LF		LBS		IN.	LF	LBS	LBS	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EACH	CU YDS	CU YDS	
94	24"x30"	177+36		ROUTE 115																			11		11	3											0.1		
95		177+38		ROUTE 115																																			
96	48"	177+41		ROUTE 115																			12	12	24	6											0.2		
97a	36"x12"	177+45		ROUTE 115																			9		9	3											0.1		
97b	18"x24"																																						
98a	36"x12"	177+50		ROUTE 115																			9		9	3											0.1		
98b	18"x24"																																						
99	48"	177+62		ROUTE 115																			12	12	24	6											0.2		
100a	36"	177+62		ROUTE 115																										12		12		3			0.1		
100b	30"x18"																																						
101	48"	177+92		ROUTE 115																			12	12	24	6											0.2		
102a	24"x12"	177+94		ROUTE 115																			10		10	3											0.1		
102b	30"x24"																																						
102c	21"x15"																																						
103	48"	177+96		ROUTE 115																			12	12	24	6											0.2		
104a	36"	178+23		ROUTE 115																										12		12		3			0.1		
104b	30"x18"																																						
105a	36"	180+71		ROUTE 115																										14		14	14	3		1	0.1		
105b	24"x12"																																						
105c	24"x24"																																						
106	24"x30"	184+66		ROUTE 115																			11		11	3											0.1		
107	24"x30"	185+38		ROUTE 115																			11		11	3											0.1		
108	36"	186+01		ROUTE 115																			10		10	3											0.1		
109	NOT USED																																						
110	NOT USED																																						
111	36"x12"	191+04		ROUTE 115																			7		7	3											0.1		
112	36"x12"	193+62		ROUTE 115																			7		7	3											0.1		
113	36"	195+59		ROUTE 115																			10		10	3											0.1		
114	24"x30"	196+21		ROUTE 115																			11		11	3											0.1		
115	24"x30"	197+53		ROUTE 115																			11		11	3											0.1		
116	36"	198+06		ROUTE 115																			10		10	3											0.1		
117	24"x30"	199+97		ROUTE 115																			11		11	3											0.1		
118	24"x30"	201+11		ROUTE 115																			11		11	3											0.1		
119	NOT USED																																						
120	36"	203+03		ROUTE 115																			10		10	3											0.1		
121	36"x12"	203+21		ROUTE 115																			7		7	3											0.1		
122	24"x30"	203+61		ROUTE 115																			11		11	3											0.1		
123	24"x30"	204+53		ROUTE 115																			11		11	3											0.1		
124	36"	207+32		ROUTE 115																			10		10	3											0.1		
125	24"x30"	207+82		ROUTE 115																			11		11	3											0.1		
126	24"x30"	208+99		ROUTE 115																			11		11	3											0.1		
127a	36"x12"	209+50		ROUTE 115																			11		11	3											0.1		
127b	36"																																						
128	36"	213+32		ROUTE 115																			10		10	3											0.1		
129	24"x30"	213+77		ROUTE 115																			11		11	3											0.1		
130	24"x30"	215+54		ROUTE 115																			11		11	3											0.1		
131	36"	216+09		ROUTE 115																			10		10	3											0.1		
132	36"x12"	127+04		ROUTE 115																			7		7	3											0.1		
133a	36"	217+49		ROUTE 115																			14		14	3											0.1		
133b	24"x12"																																						
133c	24"x24"																																						
134a	36"	219+98		ROUTE 115																										12		12		3			0.1		
134b	30"x18"																																						
135a	24"x12"	220+31		ROUTE 115																			10		10	3											0.1		
135b	30"x24"																																						
135c	21"x15"																																						
136	48"	220+22		ROUTE 115																			12	12	24	6											0.2		
137		220+29		ROUTE 115																																			
138	48"	220+38		ROUTE 115																			10	10	20	6											0.2		
					SUBTOTAL III																				367	126						50	14	12		1	4.6		

DISCLAIMER

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✳ BREAKAWAY ASSEMBLY IS INCIDENTAL FOR PIPE AND STRUCTURAL STEEL POSTS

ROUND PIPE POST AND FOOTING DATA TABLE

NOM. SIZE	WEIGHT		STUB LENGTH	FOOTING		CONCRETE
(IN.)	LBS/FT	LBS/IN		DIA.	DEPTH	C.Y.
2½	5.79	0.48	4'-3½"	12"	4'-6"	0.13
3	7.58	0.63	4'-3½"	12"	4'-6"	0.13
4	10.79	0.90	5'-3½"	18"	5'-6"	0.36

POST AND FOOTING DATA TABLE

POST DES. NO.	NOM. SIZE	POST WEIGHT LBS/FT	POST WEIGHT LBS/IN	STUB LENGTH	FOOTING DIA.	LEVEL GROUND DEPTH	LEVEL GROUND C.Y.	6:1 GRADE DEPTH	6:1 GRADE C.Y.	4:1 GRADE DEPTH	4:1 GRADE C.Y.	3:1 OR 2:1 GRADE DEPTH	3:1 OR 2:1 GRADE C.Y.
1	W6	9.0	0.75	3'-0"	15"	3'-0"	0.14	3'-2"	0.15	3'-3"	0.16	3'-6"	0.17
2	W6	15.0	1.25	4'-0"	24"	4'-0"	0.47	4'-2"	0.50	4'-3"	0.51	4'-6"	0.54
3	W8	18.0	1.50	4'-6"	28"	4'-6"	0.71	4'-8"	0.73	4'-9"	0.74	5'-0"	0.78
4	W10	22.0	1.83	5'-0"	36"	5'-0"	1.31	5'-2"	1.36	5'-3"	1.39	5'-6"	1.45
5	W10	26.0	2.17	5'-0"	36"	5'-0"	1.31	5'-3"	1.37	5'-5"	1.43	5'-9"	1.52
6	W12	35.0	2.92	5'-6"	36"	5'-6"	1.44	5'-9"	1.52	5'-11"	1.56	6'-3"	1.65

D-29

3 OF 5

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

DATE PREPARED: 3/12/2020

ROUTE: 115 | STATE: MO

DISTRICT: SL | SHEET NO.: 90

COUNTY: ST LOUIS CITY

JOB NO.: J6S3258

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)

ACCESS ENGINEERING LLC

11820 TESSON FERRY ROAD
SUITE 203
ST. LOUIS, MO 63128
(314) 849-8445

#2000172588
CIVIL ENGINEERING
ENGINEERING CERTIFICATE OF AUTHORITY

SIGNING SHEET
ROUTE 115
SHEET 17 OF 24

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

EFFECTIVE 12-01-2017

SIGNS 902 SIGNAL SIGNS TABULATED ON D-37A SHEET						PIPE POST ✳					STRUCTURAL STEEL POSTS ✳						BACKING BARS 2"x⅜" BARS @ 2.55 LBS PER LIN FT				TOTAL	U CHANNEL POST	PERFORATED SQUARE STEEL TUBE POST 2 IN							2.5 IN							FOOTINGS		REMARKS AND OTHER REQUIRED ITEMS.
SIGN NO.	SIGN SIZE	STATION	HORZ CLEAR IF NOT STD	LOCATION	SIGN DTL. SHT. NO.	PIPE SIZE	POST NO.1	POST NO.2	LBS PER FT	TOTAL ITEM NO. 9031220	POST DES NO.	POST NO.1	POST NO.2	POST NO.3	LBS PER FT	TOTAL	NO. EACH	LGTH IN.	TOTAL LF	TOTAL LBS	ITEM NO. 9031210	ITEM NO. 9031250	POST NO.1	POST NO.2	TOTAL ITEM NO. 9031270A	ANCHOR 7 GA. ITEM NO. 9031273	OMNI 7 GA. ITEM NO. 9031279	ANCHOR 12 GA. ITEM NO. 9031271	OMNI 12 GA. ITEM NO. 9031278	POST NO.1	POST NO.2	TOTAL ITEM NO. 9031280	2.25" INSERT ITEM NO. 9031272	ANCHOR 7 GA. ITEM NO. 9031281	OMNI 7 GA. ITEM NO. 9031282	BREAK-AWAY ASSEMBLY ITEM NO. 9031241	EMBD ITEM NO. 9031010	BOLT DOWN ITEM NO. 9031020	
						IN.	LF	LF		LBS		LF	LF	LF		LBS		IN.	LF	LBS	LBS	LF	LF	LF						LF	LF					EACH	CU YDS	CU YDS	
139a	36"x12"	220+45		ROUTE 115																			9		9	3										0.1		
139b	18"x24"																																							
140	48"	220+50		ROUTE 115																			12	12	24	6										0.2		
141a	36"x12"	220+66		ROUTE 115																			9		9	3										0.1		
141b	18"x24"																																							
142a	36"x12"	220+71		ROUTE 115																			9		9	3										0.1		
142b	18"x24"																																							
143a	36"x12"	220+93		ROUTE 115																			9		9	3										0.1		
143b	18"x24"																																							
144		221+06		ROUTE 115																																				
145	48"	221+09		ROUTE 115																			12	12	24	6										0.2		
146	48"	221+11		ROUTE 115																			12	12	24	6										0.2		
147	48"	221+16		ROUTE 115																			12	12	24	6										0.2		
148a	24"x12"	221+25		ROUTE 115																			10		10	3										0.1		
148b	30"x24"																																							
148c	21"x15"																																							
149	48"	221+34		ROUTE 115																			12	12	24	6										0.2		
150a	36"	221+44		ROUTE 115																										12		12		3		0.1		
150b	30"x18"																																							
151a	36"	221+49		ROUTE 115																										12		12		3		0.1		
151b	30"x18"																																							
152	24"x30"	221+59		ROUTE 115																			11		11	3										0.1		
153a	36"	223+83		ROUTE 115																										14		14	14	3	1	0.1		
153b	24"x12"																																							
153c	24"x24"																																							
154a	36"	3+67		ROUTE 115																										14		14	14	3	1	0.1		
154b	24"x12"																																							
154c	24"x24"																																							
155a	36"	3+49		GOODFELLOW																										14		14	14	3	1	0.1		
155b	24"x12"																																							
155c	24"x24"																																							
156a	36"	177+20		ROUTE 115																										14		14	14	3	1	0.1		
156b	24"x12"																																							
156c	24"x24"																																							
157a	36"	177+62		ROUTE 115																										14		14	14	3	1	0.1		
157b	24"x12"																																							
157c	24"x24"																																							
158	24"x30"	223+78		PALM ST																			11		11	3										0.1		
159a	36"	224+33		PALM ST																										14		14	14	3	1	0.1		
159b	24"x12"																																							
159c	24"x24"																																							
160	48"	0+08		PARNELL																			12	12	24	6										0.2		
161a	36"	1+28		PARNELL																										12		12		3		0.1		
161b	30"x18"																																							
162a	36"	0+97		PARNELL																										12		12		3		0.1		
162b	30"x18"																																							
163	36"	1+30		PARNELL																			10		10	3										0.1		
164	24"x30"	1+76		PARNELL																			12		12	3										0.1		
165a	36"	3+82		PARNELL																										14		14	14	3	1	0.1		
165b	24"x12"																																							
165c	24"x24"																																							
166	36"	9+55		GOODFELLOW																			12		12	3										0.1		
167	36"	8+26		PARNELL																			12		12	3										0.1		
168	36"	225+00		PALM ST																			12		12	3										0.1		
SUBTOTAL IV																									268	72						147	99	33	7	3.5		

✳ BREAKAWAY ASSEMBLY IS INCIDENTAL FOR PIPE AND STRUCTURAL STEEL POSTS

DISCLAIMER

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ROUND PIPE POST AND FOOTING DATA TABLE

NOM. SIZE	WEIGHT		STUB LENGTH	FOOTING		CONCRETE
(IN.)	LBS/FT	LBS/IN		DIA.	DEPTH	C.Y.
2½	5.79	0.48	4'- 3¾"	12"	4'-6"	0.13
3	7.58	0.63	4'- 3¾"	12"	4'-6"	0.13
4	10.79	0.90	5'- 3¾"	18"	5'-6"	0.36

POST AND FOOTING DATA TABLE

POST DES. NO.	NOM. SIZE	POST WEIGHT LBS/FT	POST WEIGHT LBS/IN	STUB LENGTH	FOOTING DIA.	LEVEL GROUND DEPTH	LEVEL GROUND C.Y.	6:1 GRADE DEPTH	6:1 GRADE C.Y.	4:1 GRADE DEPTH	4:1 GRADE C.Y.	3:1 OR 2:1 GRADE DEPTH	3:1 OR 2:1 GRADE C.Y.
1	W6	9.0	0.75	3'-0"	15"	3'-0"	0.14	3'-2"	0.15	3'-3"	0.16	3'-6"	0.17
2	W6	15.0	1.25	4'-0"	24"	4'-0"	0.47	4'-2"	0.50	4'-3"	0.51	4'-6"	0.54
3	W8	18.0	1.50	4'-6"	28"	4'-6"	0.71	4'-8"	0.73	4'-9"	0.74	5'-0"	0.78
4	W10	22.0	1.83	5'-0"	36"	5'-0"	1.31	5'-2"	1.36	5'-3"	1.39	5'-6"	1.45
5	W10	26.0	2.17	5'-0"	36"	5'-0"	1.31	5'-3"	1.37	5'-5"	1.43	5'-9"	1.52
6	W12	35.0	2.92	5'-6"	36"	5'-6"	1.44	5'-9"	1.52	5'-11"	1.56	6'-3"	1.65

D-29

4 OF 5

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

DATE PREPARED 3/12/2020

ROUTE 115 | STATE MO

DISTRICT SL | SHEET NO. 91

COUNTY ST LOUIS CITY

JOB NO. J6S3258

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)

ACCESS ENGINEERING LLC
11820 TESSON FERRY ROAD
SUITE 203
ST. LOUIS, MO 63128
(314) 849-8445
#2000172588
CIVIL ENGINEERING
ENGINEERING CERTIFICATE OF AUTHORITY

SIGNING SHEET
ROUTE 115
SHEET 18 OF 24

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

EFFECTIVE 12-01-2017

SIGNS 902 SIGNAL SIGNS TABULATED ON D-37A SHEET						PIPE POST ✳					STRUCTURAL STEEL POSTS ✳						BACKING BARS 2"x⅜" BARS @ 2.55 LBS PER LIN FT				TOTAL	U CHANNEL POST	PERFORATED SQUARE STEEL TUBE POST 2 IN							2.5 IN						BREAK-AWAY ASSEMBLY	FOOTINGS EMBD	FOOTINGS BOLT DOWN	REMARKS AND OTHER REQUIRED ITEMS.
SIGN NO.	SIGN SIZE	STATION	HORZ CLEAR IF NOT STD	LOCATION	SIGN DTL. SHT. NO.	PIPE SIZE	POST NO.1	POST NO.2	LBS PER FT	TOTAL ITEM NO. 9031220	POST DES NO.	POST NO.1	POST NO.2	POST NO.3	LBS PER FT	TOTAL	NO. EACH	LGTH IN.	TOTAL LF	TOTAL LBS	ITEM NO. 9031210	ITEM NO. 9031250	POST NO.1	POST NO.2	TOTAL ITEM NO. 9031270A	ANCHOR 7 GA. ITEM NO. 9031273	OMNI 7 GA. ITEM NO. 9031279	ANCHOR 12 GA. ITEM NO. 9031271	OMNI 12 GA. ITEM NO. 9031278	POST NO.1	POST NO.2	TOTAL ITEM NO. 9031280	2.25" INSERT ITEM NO. 9031272	ANCHOR 7 GA. ITEM NO. 9031281	OMNI 7 GA. ITEM NO. 9031282	ITEM NO. 9031241	ITEM NO. 9031010	ITEM NO. 9031020	
						IN.	LF	LF		LBS		LF	LF	LF		LBS		IN.	LF	LBS	LBS	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EACH	CU YDS	CU YDS	
169a	36"	16+35		ROUTE 115																										12		12		3			0.1		
169b	30"x18"																																						
170a	36"	173+13		ROUTE 115																										12		12		3			0.1		
170b	30"x18"																																						
171a	36"	178+08		ROUTE 115																										12		12		3			0.1		
171b	30"x18"																																						
172a	36"	177+61		ROUTE 115																										12		12		3			0.1		
172b	30"x18"																																						
173a	36"	173+13		ROUTE 115																										12		12		3			0.1		
173b	30"x18"																																						
174a	36"	0+78		PARNELL																										12		12		3			0.1		
174b	30"x18"																																						
175a	36"	220+85		ROUTE 115																										12		12		3			0.1		
175b	30"x18"																																						
176a	36"	221+45		ROUTE 115																										12		12		3			0.1		
176b	30"x18"																																						
177a	36"	220+39		ROUTE 115																										12		12		3			0.1		
177b	30"x18"																																						
178a	36"	15+53		ROUTE 115																										12		12		3			0.1		
178b	30"x18"																																						
179a	36"	16+21		ROUTE 115																										12		12		3			0.1		
179b	30"x18"																																						
180a	36"	17+34		ROUTE 115																										12		12		3			0.1		
180b	30"x18"																																						
SUBTOTAL V																							–	–							144	–	36		–	1.2		
SUBTOTAL I																							342	93							100	28	24		2	3.9		
SUBTOTAL II																							483	138							38	14	9		1	4.9		
SUBTOTAL III																							438	126							50	14	12		1	4.6		
SUBTOTAL IV																							268	72							147	99	33		7	3.5		
SUBTOTAL																							1531	429							479	156	114		11	18.1		
5 PERCENT																							77	21							24	8	6		1	0.9		
TOTAL																							1608	450							503	164	120		12	19.0		

✳ BREAKAWAY ASSEMBLY IS INCIDENTAL FOR PIPE AND STRUCTURAL STEEL POSTS

DISCLAIMER

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ROUND PIPE POST AND FOOTING DATA TABLE

NOM. SIZE	WEIGHT		STUB LENGTH	FOOTING		CONCRETE
(IN.)	LBS/FT	LBS/IN		DIA.	DEPTH	C.Y.
2½	5.79	0.48	4'-3½"	12"	4'-6"	0.13
3	7.58	0.63	4'-3½"	12"	4'-6"	0.13
4	10.79	0.90	5'-3½"	18"	5'-6"	0.36

POST AND FOOTING DATA TABLE

POST DES. NO.	NOM. SIZE	POST WEIGHT LBS/FT	POST WEIGHT LBS/IN	STUB LENGTH	FOOTING DIA.	LEVEL GROUND DEPTH	LEVEL GROUND C.Y.	6:1 GRADE DEPTH	6:1 GRADE C.Y.	4:1 GRADE DEPTH	4:1 GRADE C.Y.	3:1 OR 2:1 GRADE DEPTH	3:1 OR 2:1 GRADE C.Y.
1	W6	9.0	0.75	3'-0"	15"	3'-0"	0.14	3'-2"	0.15	3'-3"	0.16	3'-6"	0.17
2	W6	15.0	1.25	4'-0"	24"	4'-0"	0.47	4'-2"	0.50	4'-3"	0.51	4'-6"	0.54
3	W8	18.0	1.50	4'-6"	28"	4'-6"	0.71	4'-8"	0.73	4'-9"	0.74	5'-0"	0.78
4	W10	22.0	1.83	5'-0"	36"	5'-0"	1.31	5'-2"	1.36	5'-3"	1.39	5'-6"	1.45
5	W10	26.0	2.17	5'-0"	36"	5'-0"	1.31	5'-3"	1.37	5'-5"	1.43	5'-9"	1.52
6	W12	35.0	2.92	5'-6"	36"	5'-6"	1.44	5'-9"	1.52	5'-11"	1.56	6'-3"	1.65

D-29

5 OF 5

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

DATE PREPARED 3/12/2020

ROUTE 115 | STATE MO

DISTRICT SL | SHEET NO. 92

COUNTY ST LOUIS CITY

JOB NO. J6S3258

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)

ACCESS ENGINEERING LLC

11820 TESSON FERRY ROAD
SUITE 203
ST. LOUIS, MO 63128
(314) 849-8445

#2000172588
CIVIL ENGINEERING
ENGINEERING CERTIFICATE OF AUTHORITY

SIGNING SHEET
ROUTE 115
SHEET 19 OF 24

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

EFFECTIVE 10-01-2016

STANDARD SIGN ASSEMBLIES

SIGN NUMBER	STATION	LOCATION	R4-7	W2-6	W16-17P	W13-1P	W11-2	W16-7P	R1-2	M3-4	M1-5	M6-2R	W12-1	R6-1R	W1-8	R1-1	M3-2	W4-2
			TYPE															
			SIGN DESCRIPTION, SIZES & NUMBER OF EACH															
1	2+73	ROUTE 115	1															
2	3+73	ROUTE 115	1															
3a	12+83	ROUTE 115		1														
3b					1													
3c						1												
4	13+81	ROUTE 115	1															
5	15+08	ROUTE 115							1									
6a	15+29	ROUTE 115					1											
6b								1										
7a	15+29	ROUTE 115					1											
7b								1										
8	15+52	ROUTE 115							1									
9a	15+56	ROUTE 115								1								
9b											1							
9c													1					
10	15+59	ROUTE 115							1									
11	15+65	ROUTE 115																
12a	15+79	ROUTE 115					1											
12b								1										
13	15+90	ROUTE 115	1															
14	15+80	ROUTE 115							1									
15a	15+99	ROUTE 115												1				
15b															1			
16	16+05	ROUTE 115							1									
17a	16+12	ROUTE 115												1				
17b															1			
20a	16+47	ROUTE 115												1				
20b		ROUTE 115													1			
21a	16+60	ROUTE 115												1				
21b		ROUTE 115													1			
22	16+59	ROUTE 115							1									
23	16+68	ROUTE 115	1															
24	16+88	ROUTE 115							1									
25a	16+90	ROUTE 115					1											
25b		ROUTE 115						1										
26	16+90	ROUTE 115							1									
27a	17+02	ROUTE 115															1	
27b		ROUTE 115									1							
27c		ROUTE 115											1					
28	17+08	ROUTE 115							1									
29a	17+33	ROUTE 115					1											
29b								1										
30	19+07	ROUTE 115	1															
31a	19+82	ROUTE 115		1														
31b					1													
31c						1												
32a	17+33	ROUTE 115					1											
32b								1										
40	100+28	ROUTE 115	1															
166	9+55	GOODFELLOW N																1
167	8+26	PARNELL																1
168	225+00	PALM																1
SUBTOTAL I			7	2	2	2	6	6	9	1	2	0	2	4	4	0	1	3
SUBTOTAL II			24	1	1	1	3	3	2	1	1	1	10	2	0	0	0	0
SUBTOTAL III			14	1	1	1	3	3	6	0	1	1	8	9	4	0	1	0
SUBTOTAL IV			3	8	8	8	6	6	4	1	1	1	1	0	0	0	0	0
SUBTOTAL V			0	0	0	0	12	12	0	0	0	0	0	0	0	0	0	0
TOTAL			48	12	12	12	30	30	21	3	5	3	21	15	8	0	2	3

SIGN SUMMARY

STANDARD SIGN OR SPECIAL SIGN NUMBER	SIGN DETAIL SHEET NO.	NO. EACH	SIZE, TYPE & SQUARE FEET: SIZE	FLAT SHEET SH ITEM NO. 9035004A	FLAT SHEET FLUORESCENT SHF ✳ ITEM NO. 9035069A	STRUCTURAL ST ITEM NO. 9035011A	STRUCTURAL FLUORESCENT STF ✳ ITEM NO. 9035071A
R4-7		48	24" X 30"	240.00			
W2-6		12	36"		108.00		
W16-17P		12	24" X 12"		24.00		
W13-1P		12	24" X 24"		48.00		
W11-2		30	36"		270		
W16-7P		30	24" x 12"		60.00		
R1-2		21	48"	336.00			
M3-4		3	24" x 12"	6.00			
M1-5		5	30" X 24"	25.00			
M6-2R		3	21" X 15"	6.56			
W12-1		21	36"		189.00		
R6-1R		15	36" X 12"	45.00			
W1-8		8	18" X 24"		24.00		
M3-2		2	24" X 12"	4.00			
D1-1d		6	36" X 12"		18.00		
W4-2		3	36"		27.00		
SUBTOTAL				662.6	768.0		
TOTAL				663	768		

✳ ORANGE, YELLOW & YELLOW/GREEN

DISCLAIMER
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D-30
1 OF 5

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

DATE PREPARED	
3/12/2020	
ROUTE 115	STATE MO
DISTRICT SL	SHEET NO. 93
COUNTY ST LOUIS CITY	
JOB NO. J6S3258	
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)

ACCESS ENGINEERING LLC
11820 TESSON FERRY ROAD
SUITE 203
ST. LOUIS, MO 63128
(314) 849-8445
#2000172588
CIVIL ENGINEERING
ENGINEERING CERTIFICATE OF AUTHORITY

SIGNING SHEET
ROUTE 115
SHEET 20 OF 24

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

EFFECTIVE 10-01-2016

STANDARD SIGN ASSEMBLIES

SIGN NUMBER	STATION	LOCATION	R4-7	W2-6	W16-17P	W13-1P	W11-2	W16-7P	R1-2	M3-4	M1-5	M6-2R	W12-1	R6-1R	W1-8	R1-1	M3-2	
			TYPE															
			SIGN DESCRIPTION, SIZES & NUMBER OF EACH															
			R4-7		RUMBLESTRIP	20 M.P.H.			YIELD	WEST	TIS			SCHOOL		STOP	EAST	
41	101+04	ROUTE 115											1					
42	101+61	ROUTE 115	1															
43	102+67	ROUTE 115	1															
44	103+24	ROUTE 115											1					
45	105+94	ROUTE 115											1					
46	106+51	ROUTE 115	1															
47	107+57	ROUTE 115	1															
48	108+13	ROUTE 115											1					
49	112+10	ROUTE 115	1															
51	114+27	ROUTE 115	1															
53	114+92	ROUTE 115	1															
54	116+93	ROUTE 115	1															
55	119+30	ROUTE 115	1															
56	120+42	ROUTE 115	1															
57	122+46	ROUTE 115	1															
58	123+35	ROUTE 115	1															
59	123+90	ROUTE 115											1					
60	125+80	ROUTE 115	1															
61	129+37	ROUTE 115												1				
62	131+20	ROUTE 115											1					
63	131+76	ROUTE 115	1															
64	132+90	ROUTE 115	1															
65	133+50	ROUTE 115											1					
66	135+37	ROUTE 115	1															
67	145+92	ROUTE 115	1															
68	127+09	ROUTE 115	1															
70	146+42	ROUTE 115	1															
71	154+20	ROUTE 115	1															
72	156+09	ROUTE 115											1					
73	156+60	ROUTE 115	1															
74	157+81	ROUTE 115	1															
75	158+39	ROUTE 115											1					
76	164+00	ROUTE 115	1															
77	164+88	ROUTE 115	1															
78	165+52	ROUTE 115											1					
79a	169+00	ROUTE 115					1											
79b								1										
80a	169+63	ROUTE 115					1											
80b								1										
81	169+78	ROUTE 115												1				
82a	174+01	ROUTE 115		1														
82b					1													
82c						1												
83a	176+47	ROUTE 115					1											
83b								1										
84a	176+77	ROUTE 115								1								
84b											1							
84c												1						
85	176+77	ROUTE 115							1									
86	177+11	ROUTE 115							1									
SUBTOTAL II			24	1	1	1	3	3	2	1	1	1	10	2				

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DATE PREPARED	
3/12/2020	
ROUTE 115	STATE MO
DISTRICT SL	SHEET NO. 94
COUNTY ST LOUIS CITY	
JOB NO. J6S3258	
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)

ACCESS ENGINEERING LLC
11820 TESSON FERRY ROAD
SUITE 203
ST. LOUIS, MO 63128
(314) 849-8445
#2000172588
CIVIL ENGINEERING
ENGINEERING CERTIFICATE OF AUTHORITY

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

SIGNING SHEET
ROUTE 115
SHEET 21 OF 24

EFFECTIVE 10-01-2016

STANDARD SIGN ASSEMBLIES

SIGN NUMBER	STATION	LOCATION	R4-7	W2-6	W16-17P	W13-1P	W11-2	W16-7P	R1-2	M3-4	M1-5	M6-2R	W12-1	R6-1R	W1-8	R1-1	M3-2
			TYPE														
			SIGN DESCRIPTION, SIZES & NUMBER OF EACH														
87a	177+11	ROUTE 115					1										
87b								1									
88	177+11	ROUTE 115							1								
89a	177+21	ROUTE 115												1			
89b															1		
90a	177+25	ROUTE 115												1			
90b															1		
91	177+33	ROUTE 115							1								
93	177+34	ROUTE 115	1														
94	177+36	ROUTE 115	1														
96	177+41	ROUTE 115							1								
97a	177+45	ROUTE 115												1			
97b															1		
98a	177+50	ROUTE 115												1			
98b															1		
99	177+62	ROUTE 115							1								
100a	177+62	ROUTE 115					1										
100b								1									
101	177+92	ROUTE 115							1								
102a	177+94	ROUTE 115															1
102b											1						
102c												1					
103	177+96	ROUTE 115							1								
104a	178+23	ROUTE 115					1										
104b								1									
105a	180+71	ROUTE 115		1													
105b					1												
105c						1											
106	184+66	ROUTE 115	1														
107	185+38	ROUTE 115	1														
108	186+01	ROUTE 115											1				
111	191+04	ROUTE 115												1			
112	193+62	ROUTE 115												1			
113	195+59	ROUTE 115											1				
114	196+21	ROUTE 115	1														
115	197+53	ROUTE 115	1														
116	198+06	ROUTE 115											1				
117	199+97	ROUTE 115	1														
118	201+12	ROUTE 115	1														
120	203+03	ROUTE 115											1				
121	203+21	ROUTE 115												1			
122	203+61	ROUTE 115	1														
123	204+53	ROUTE 115	1														
124	207+32	ROUTE 115											1				
125	207+82	ROUTE 115	1														
126	208+99	ROUTE 115	1														
127a	209+50	ROUTE 115												1			
127b													1				
128	213+32	ROUTE 115											1				
129	213+77	ROUTE 115	1														
130	215+54	ROUTE 115	1														
131	216+09	ROUTE 115											1				
132	127+04	ROUTE 115												1			
SUBTOTAL III			14	1	1	1	3	3	6	–	1	1	8	9	4	–	1

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✳ ORANGE, YELLOW & YELLOW/GREEN

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

DATE PREPARED: 3/12/2020
ROUTE: 115 | STATE: MO
DISTRICT: SL | SHEET NO.: 95
COUNTY: ST LOUIS CITY
JOB NO.: J6S3258
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)

ACCESS ENGINEERING LLC
11820 TESSON FERRY ROAD
SUITE 203
ST. LOUIS, MO 63128
(314) 849-8445
#2000172588
CIVIL ENGINEERING
ENGINEERING CERTIFICATE OF AUTHORITY

SIGNING SHEET
ROUTE 115
SHEET 22 OF 24

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

EFFECTIVE 10-01-2016

STANDARD SIGN ASSEMBLIES

SIGN NUMBER	STATION	LOCATION	R4-7	W2-6	W16-17P	W13-1P	W11-2	W16-7P	R1-2	M3-4	M1-5	M6-2R	W12-1	R6-1R	W1-8	R1-1	M3-2
			TYPE														
			SIGN DESCRIPTION, SIZES & NUMBER OF EACH														
133a	217+49	ROUTE 115		1													
133b					1												
133c						1											
134a	219+98	ROUTE 115					1										
134b								1									
135a	220+31	ROUTE 115								1							
135b											1						
135c												1					
136	220+22	ROUTE 115							1								
137a	220+29	ROUTE 115					1										
137b								1									
138	220+38	ROUTE 115							1								
139a	220+45	ROUTE 115															
139b																	
140	220+50	ROUTE 115															
141a	220+66	ROUTE 115															
141b																	
142a	220+71	ROUTE 115															
142b																	
143a	220+93	ROUTE 115															
143b																	
145	221+09	ROUTE 115							1								
146	221+11	ROUTE 115															
147	221+16	ROUTE 115							1								
148a	221+25	ROUTE 115															
148b																	
148c																	
149	221+34	ROUTE 115															
150a	221+44	ROUTE 115					1										
150b								1									
151a	221+49	ROUTE 115					1										
151b								1									
152	221+59	ROUTE 115	1														
153a	223+83	ROUTE 115		1													
153b					1												
153c						1											
154a	3+67	GOODFELLOW N		1													
154b					1												
154c						1											
155a	3+49	GOODFELLOW S		1													
155b					1												
155c						1											
156a	177+20	RTE 115@VANDEVENTER		1													
156b					1												
156c						1											
157a	177+62	RTE 115@VANDEVENTER		1													
157b					1												
157c						1											
158	223+78	PALM ST	1														
159a	224+33	PALM ST		1													
159b					1												
159c						1											
160	0+08	ROUTE 115															
161a	1+28	ROUTE 115					1										
161b								1									
162a	0+97	PARNELL					1										
162b								1									
163	1+30	PARNELL											1				
164	1+76	PARNELL	1														
165a	3+82	PARNELL		1													
165b					1												
165c						1											
SUBTOTAL IV			3	8	8	8	6	6	4	1	1	1	1				

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DATE PREPARED	
3/12/2020	
ROUTE 115	STATE MO
DISTRICT SL	SHEET NO. 96
COUNTY ST LOUIS CITY	
JOB NO. J6S3258	
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)

ACCESS ENGINEERING LLC
11820 TESSON FERRY ROAD
SUITE 203
ST. LOUIS, MO 63128
(314) 849-8445
#2000172588
CIVIL ENGINEERING
ENGINEERING CERTIFICATE OF AUTHORITY

SIGNING SHEET
ROUTE 115
SHEET 23 OF 24

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

EFFECTIVE 10-01-2016

STANDARD SIGN ASSEMBLIES

SIGN NUMBER	STATION	LOCATION	R4-7	W2-6	W16-17P	W13-1P	W11-2	W16-7P	R1-2	M3-4	M1-5	M6-2R	W12-1	R6-1R	W1-8	R1-1	M3-2	
			TYPE															
			SIGN DESCRIPTION, SIZES & NUMBER OF EACH															
169a	16+35	ROUTE 115					1											
169b								1										
170a	173+13	ROUTE 115					1											
170b								1										
171a	178+08	ROUTE 115					1											
171b								1										
172a	177+61	ROUTE 115					1											
172b								1										
173a	173+13	ROUTE 115					1											
173b								1										
174a	0+78	PARNELL					1											
174b								1										
175a	220+85	ROUTE 115					1											
175b								1										
176a	221+45	ROUTE 115					1											
176b								1										
177a	220+39	ROUTE 115					1											
177b								1										
178a	15+53	ROUTE 115					1											
178b								1										
179a	16+21	ROUTE 115					1											
179b								1										
180a	17+34	ROUTE 115					1											
180b								1										
SUBTOTAL V							12	12										

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D-30
5 OF 5

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DATE PREPARED	
3/12/2020	
ROUTE 115	STATE MO
DISTRICT SL	SHEET NO. 97
COUNTY ST LOUIS CITY	
JOB NO. J6S3258	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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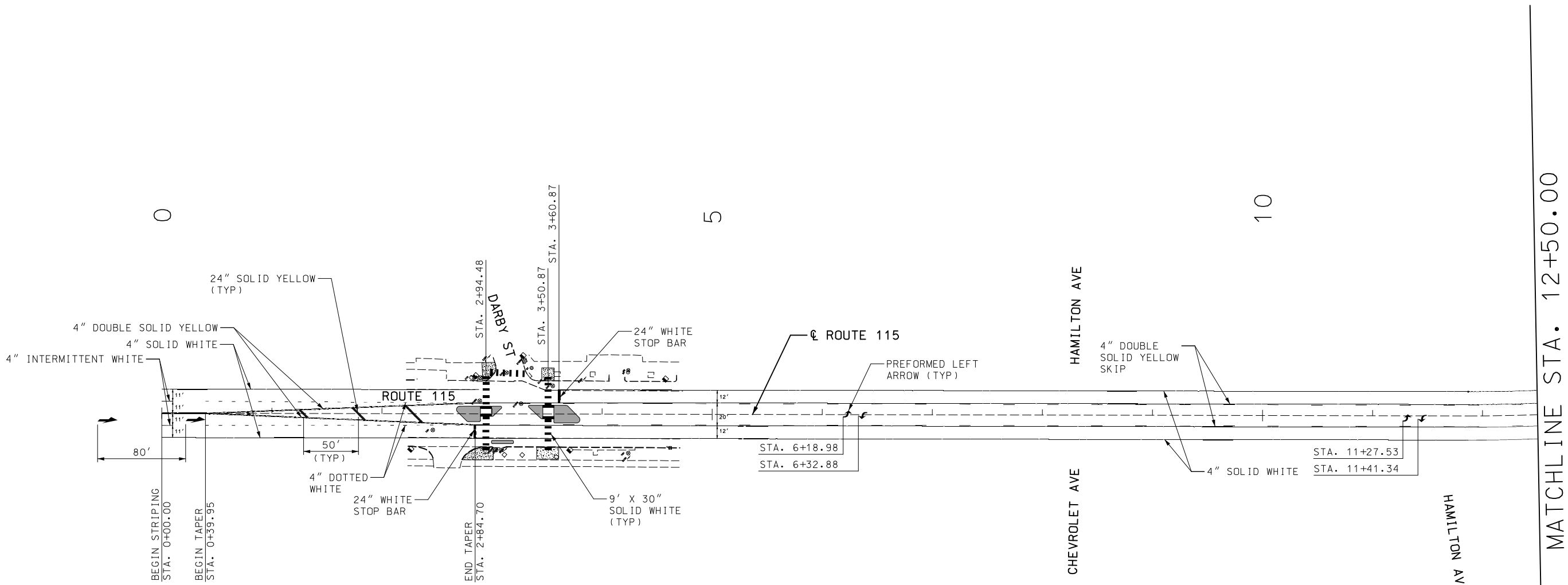
SIGNING SHEET
ROUTE 115
SHEET 24 OF 24

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



SCALE

0 50 100 150

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DATE PREPARED	3/12/2020
ROUTE	115
STATE	MO
DISTRICT	SL
SHEET NO.	98
COUNTY	ST LOUIS CITY
JOB NO.	J6S3258
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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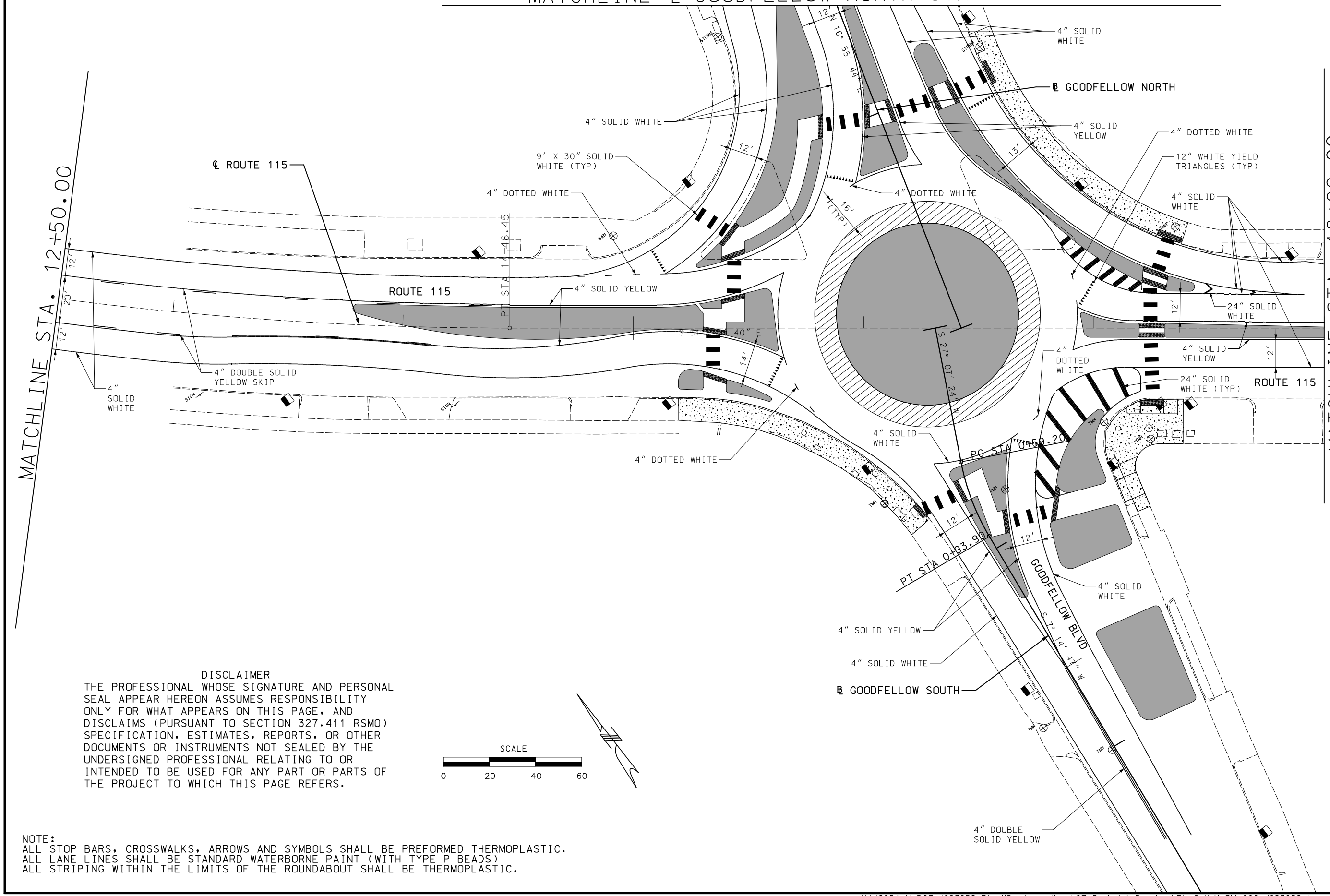
PAVEMENT MARKING SHEET
ROUTE 115
SHEET 1 OF 15

K:\18054 MoDOT J6S3258 Rte 115 Intersections\07_Design\A_Drawings\PlanSet\11_PM_001_J6S3258.dgn 2:45:21 PM 3/12/2020

SEE PAVEMENT MARKING SHEET 15
MATCHLINE ℄ GOODFELLOW NORTH STA. 2+25.00



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SCALE
0 20 40 60

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DATE PREPARED	
3/12/2020	
ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	99
COUNTY	
ST LOUIS CITY	
JOB NO.	
J6S3258	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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PAVEMENT MARKING SHEET
ROUTE 115
SHEET 2 OF 15

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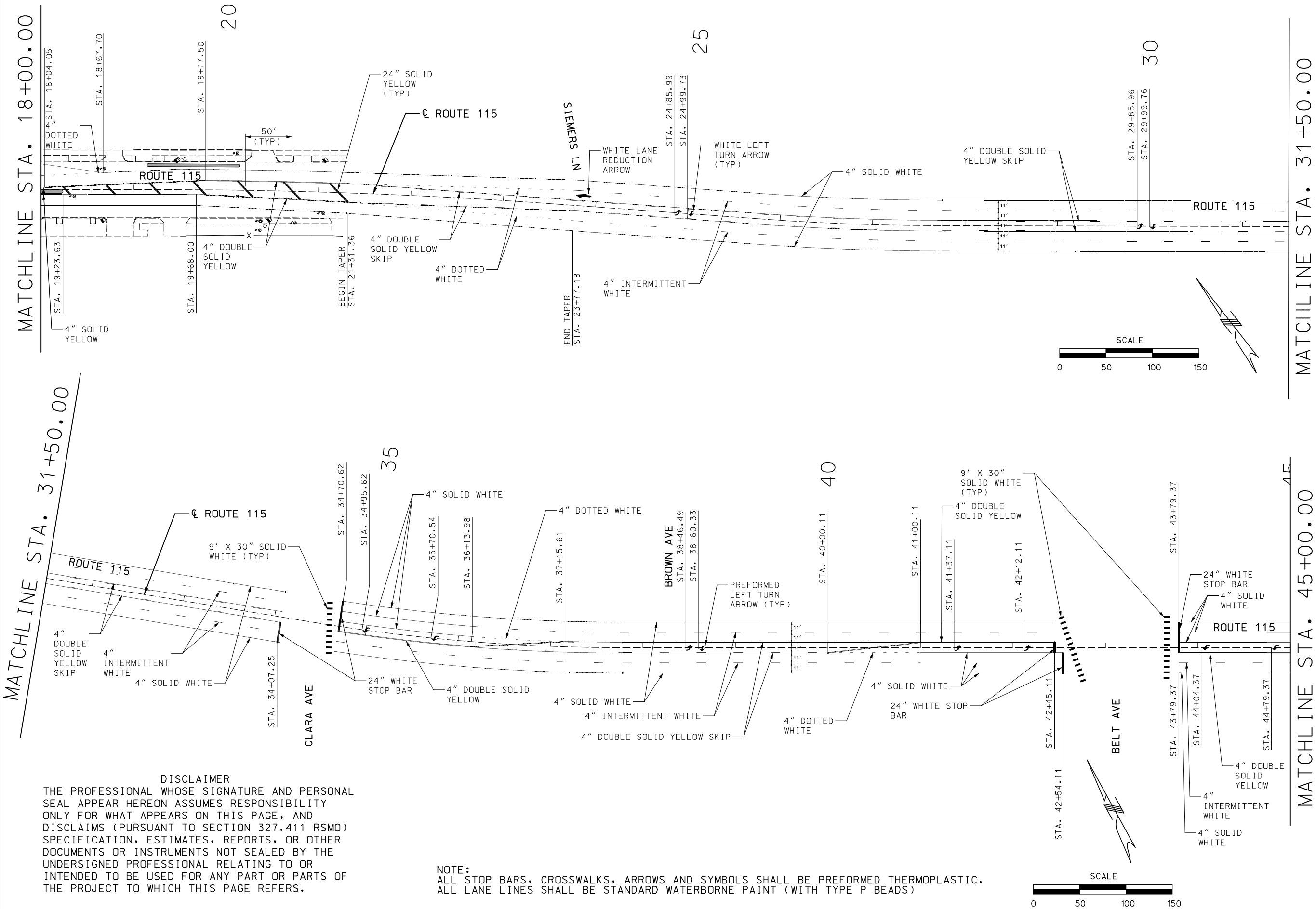

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DATE PREPARED	
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ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	100
COUNTY	
ST LOUIS CITY	
JOB NO.	
J6S3258	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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PAVEMENT MARKING SHEET
ROUTE 115
SHEET 3 OF 15

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

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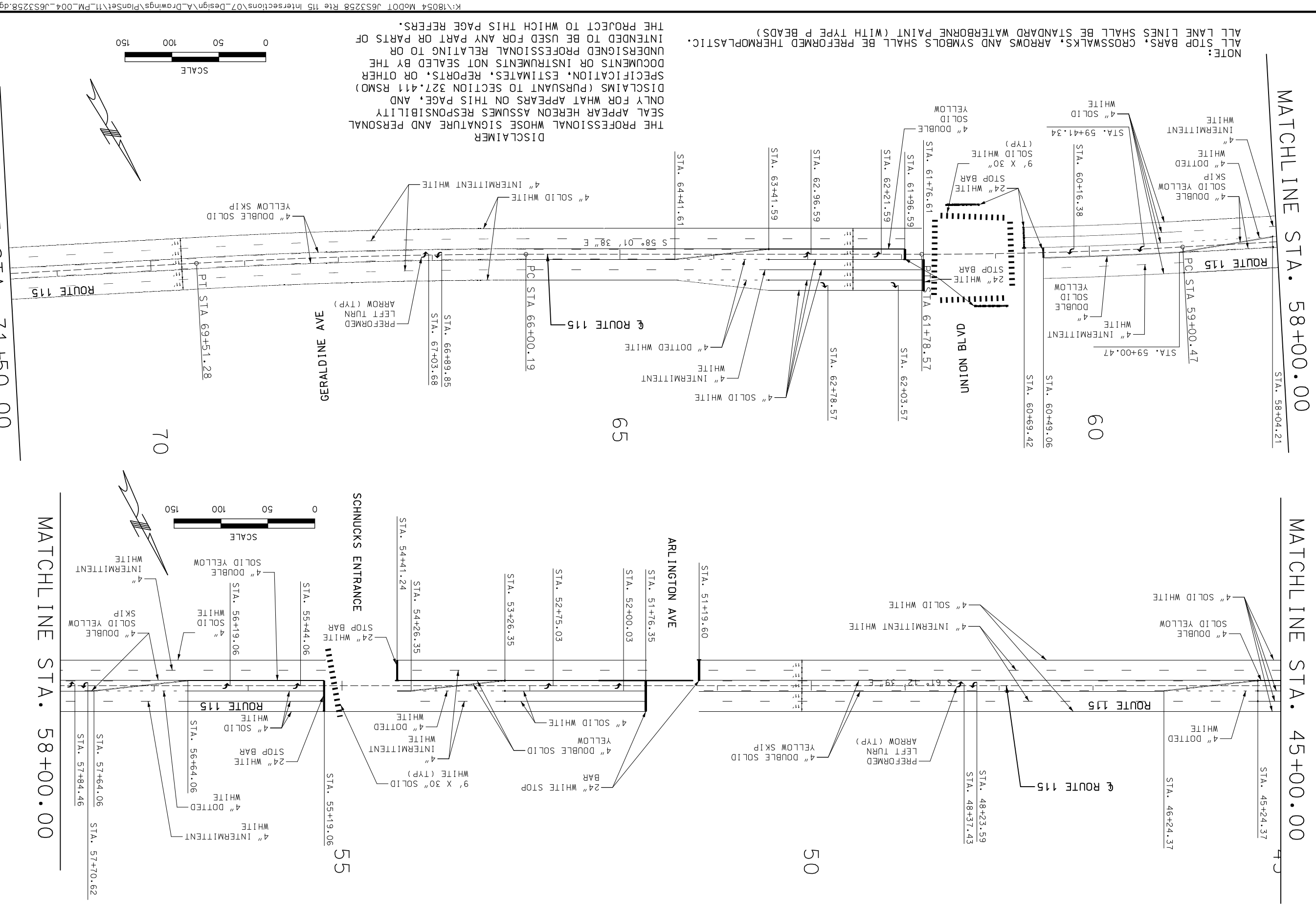

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PAVEMENT MARKING SHEET
ROUTE 115
SHEET 4 OF 15

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

DATE	DESCRIPTION

BRIDGE NO.	
PROJECT NO.	
CONTRACT ID.	
JOB NO.	J6S3258
COUNTY	ST LOUIS CITY
DISTRICT	SL
SHEET NO.	101
ROUTE	115
STATE	MO
DATE PREPARED	3/12/2020

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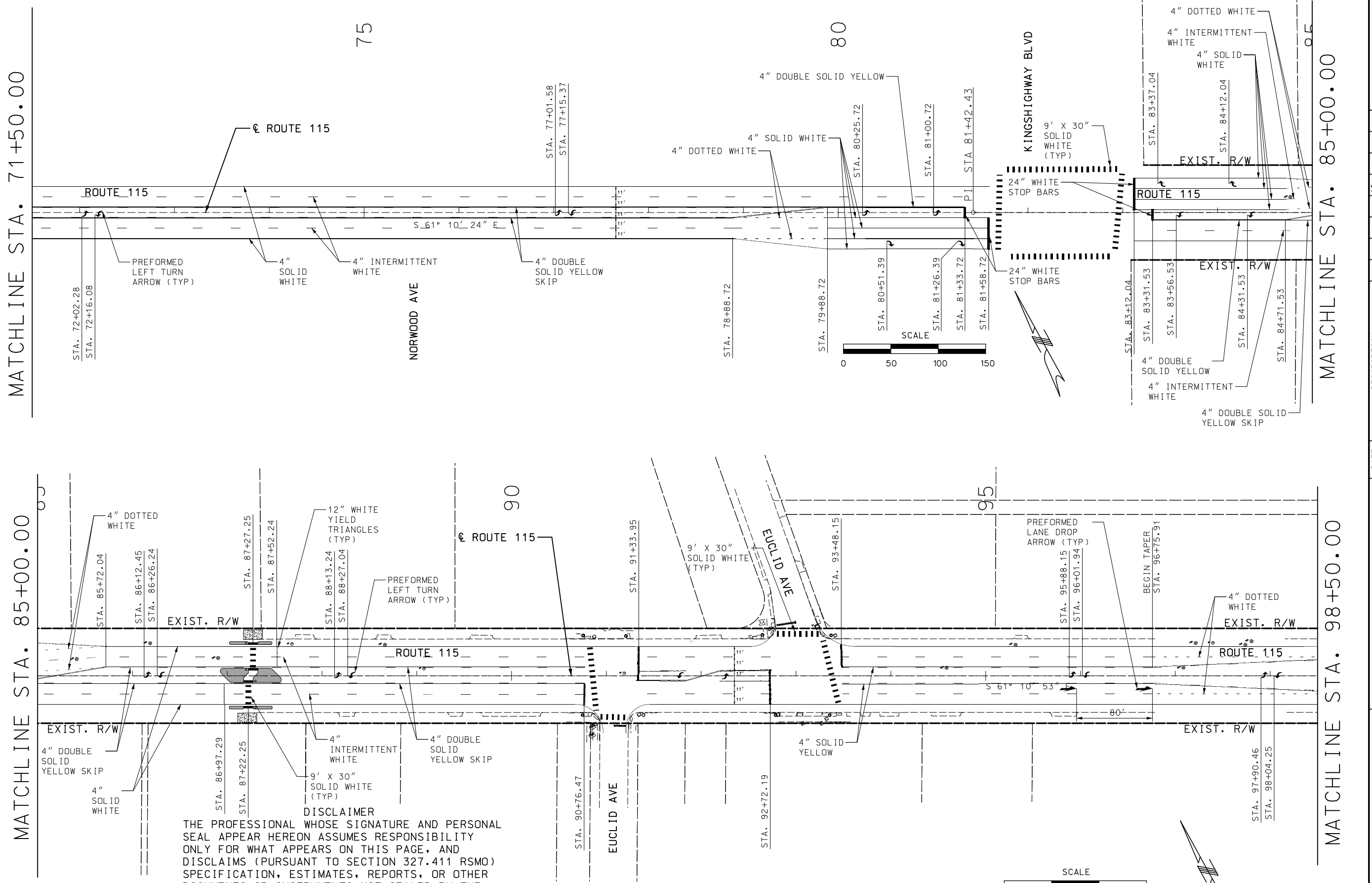

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DATE PREPARED	
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ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	102
COUNTY	
ST LOUIS CITY	
JOB NO.	
J6S3258	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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

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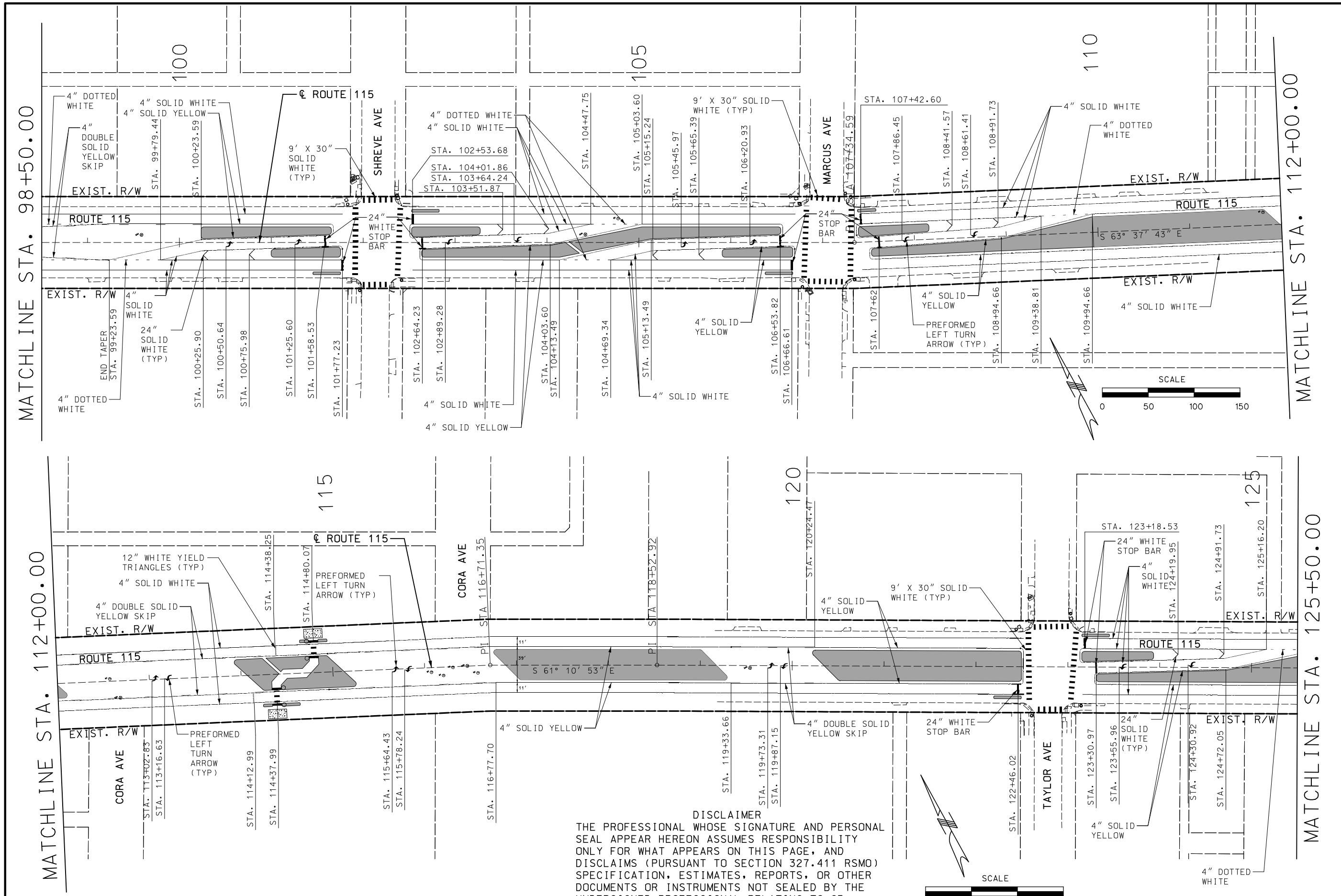
PAVEMENT MARKING SHEET
ROUTE 115
SHEET 5 OF 15



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DATE PREPARED	
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ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	103
COUNTY	
ST LOUIS CITY	
JOB NO.	
J6S3258	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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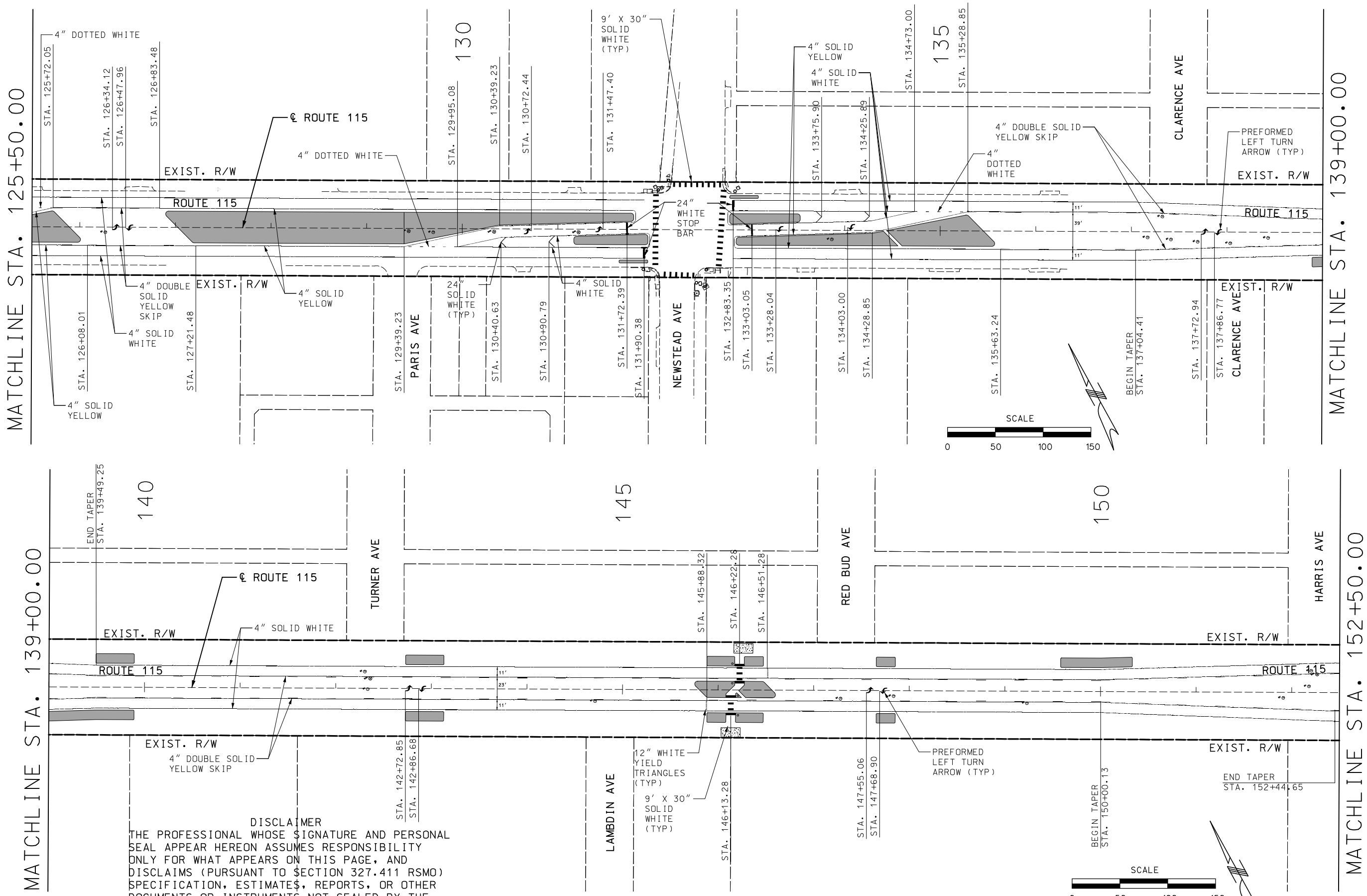
PAVEMENT MARKING SHEET
ROUTE 115
SHEET 6 OF 15



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DATE PREPARED	
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115	MO
DISTRICT	SHEET NO.
SL	104
COUNTY	
ST LOUIS CITY	
JOB NO.	
J6S3258	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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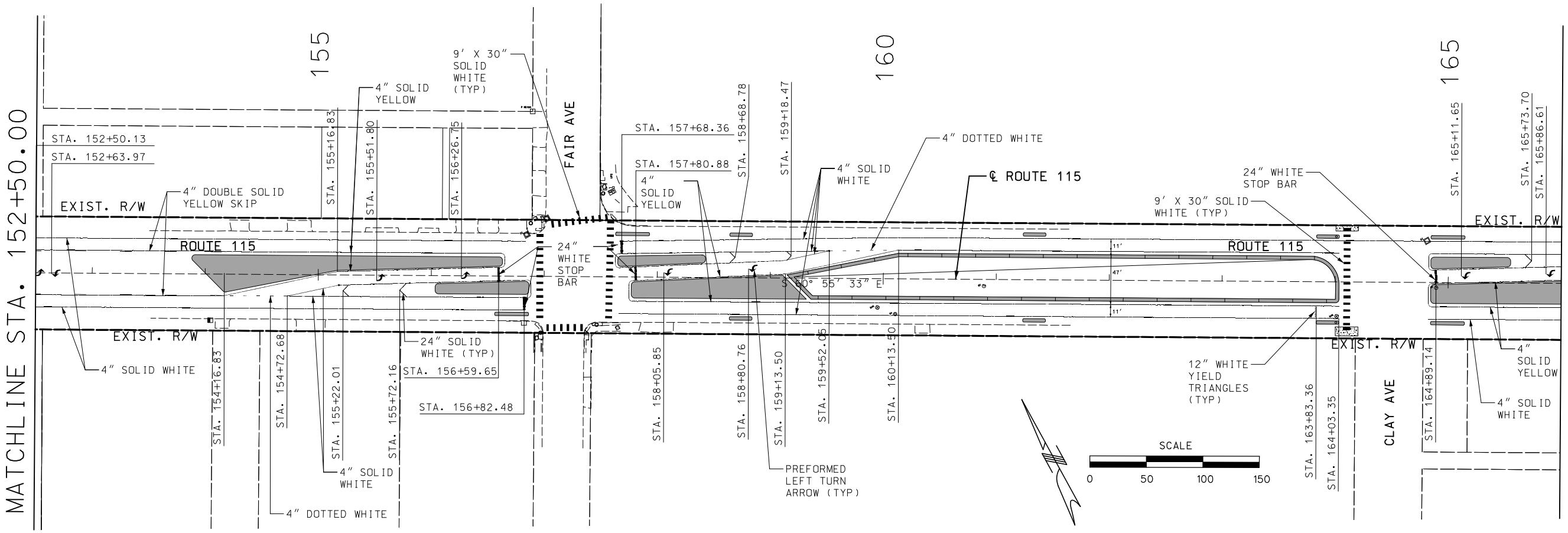
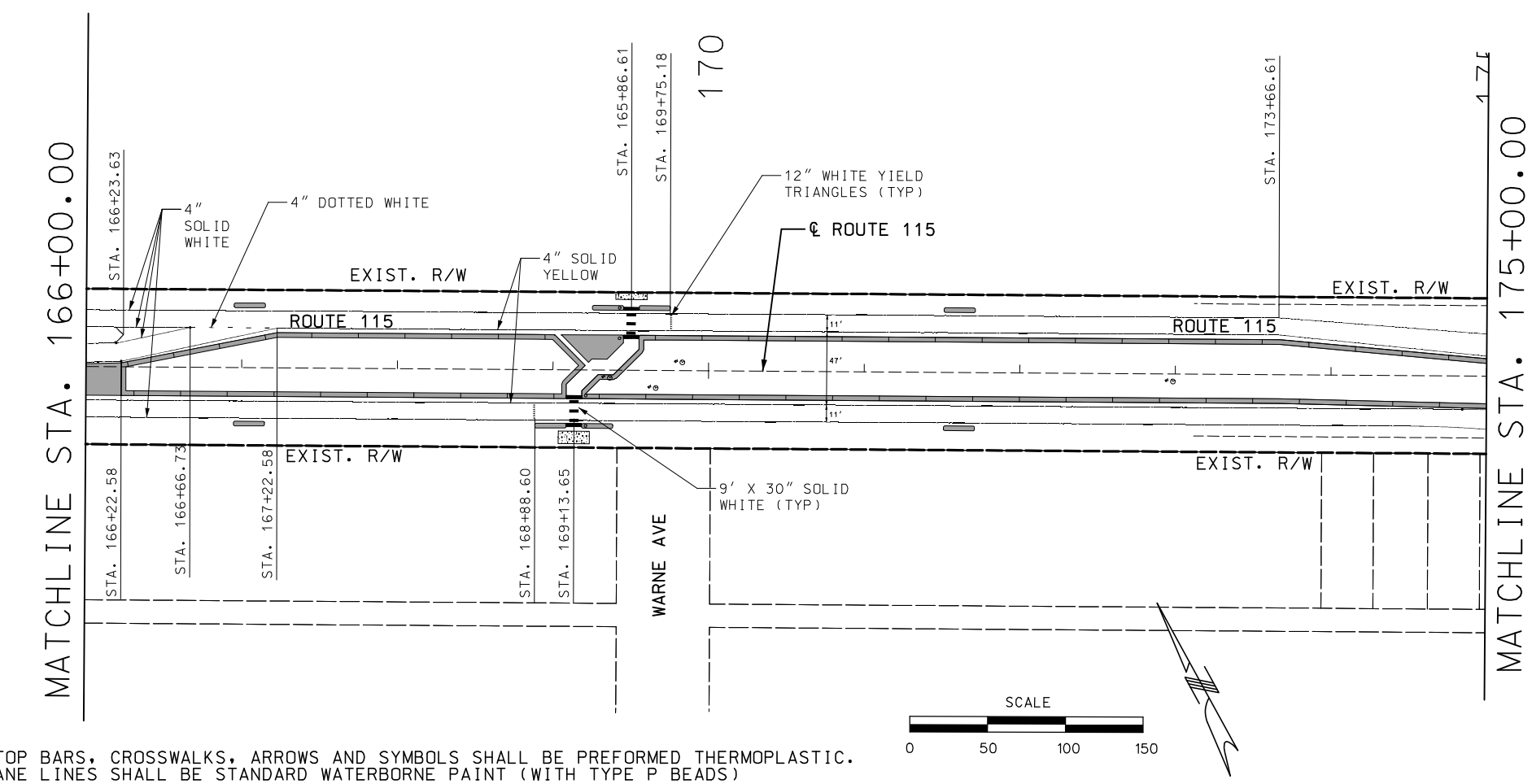
PAVEMENT MARKING SHEET
ROUTE 115
SHEET 7 OF 15

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





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DATE PREPARED	3/12/2020
ROUTE	115
STATE	MO
DISTRICT	SL
SHEET NO.	105
COUNTY	ST LOUIS CITY
JOB NO.	J6S3258
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BRIDGE NO.	

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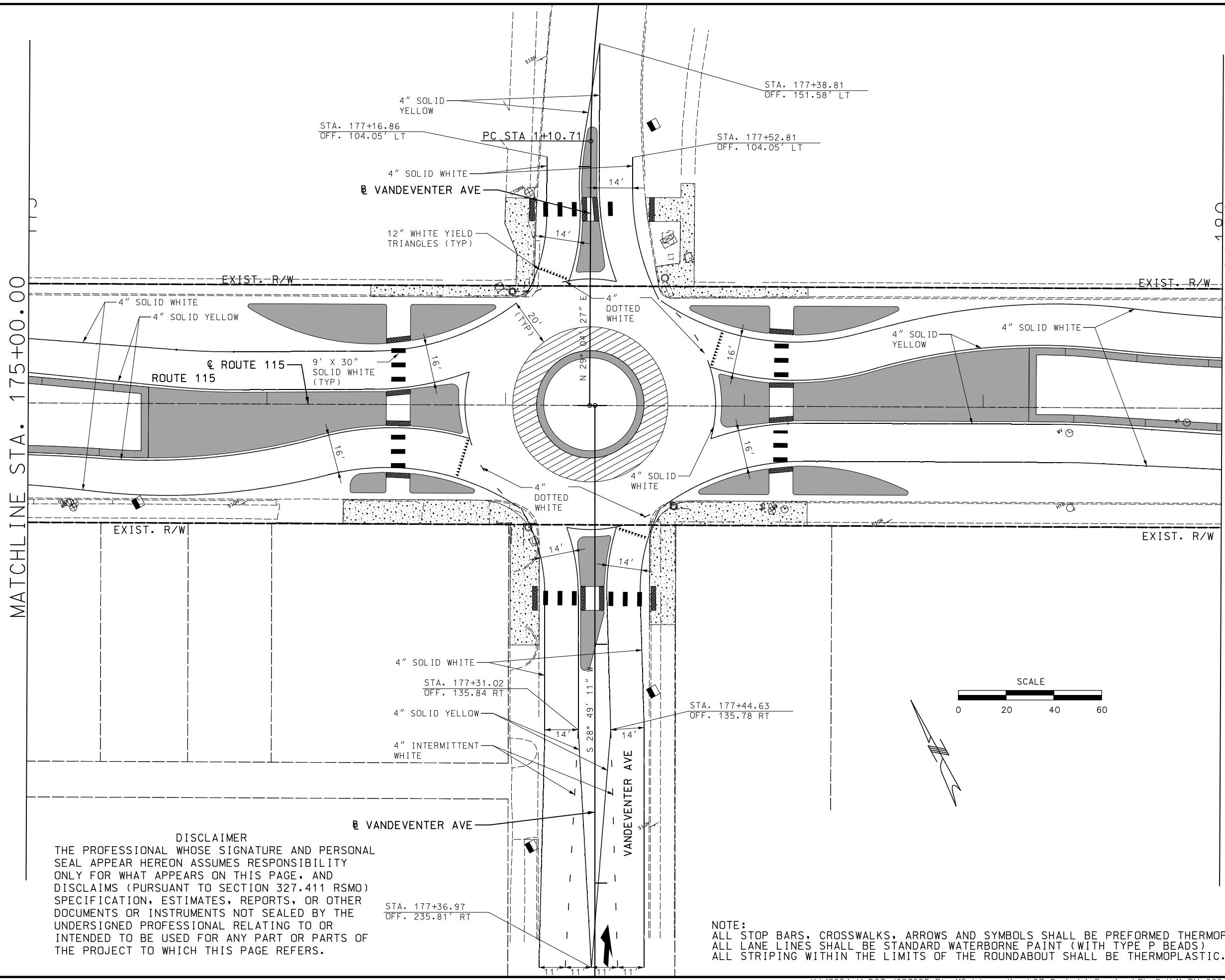
PAVEMENT MARKING SHEET
ROUTE 115
SHEET 8 OF 15



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DATE PREPARED	3/12/2020
ROUTE	115
STATE	MO
DISTRICT	SL
SHEET NO.	106
COUNTY	ST LOUIS CITY
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PROJECT NO.	
BRIDGE NO.	

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PAVEMENT MARKING SHEET
ROUTE 115
SHEET 9 OF 15

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

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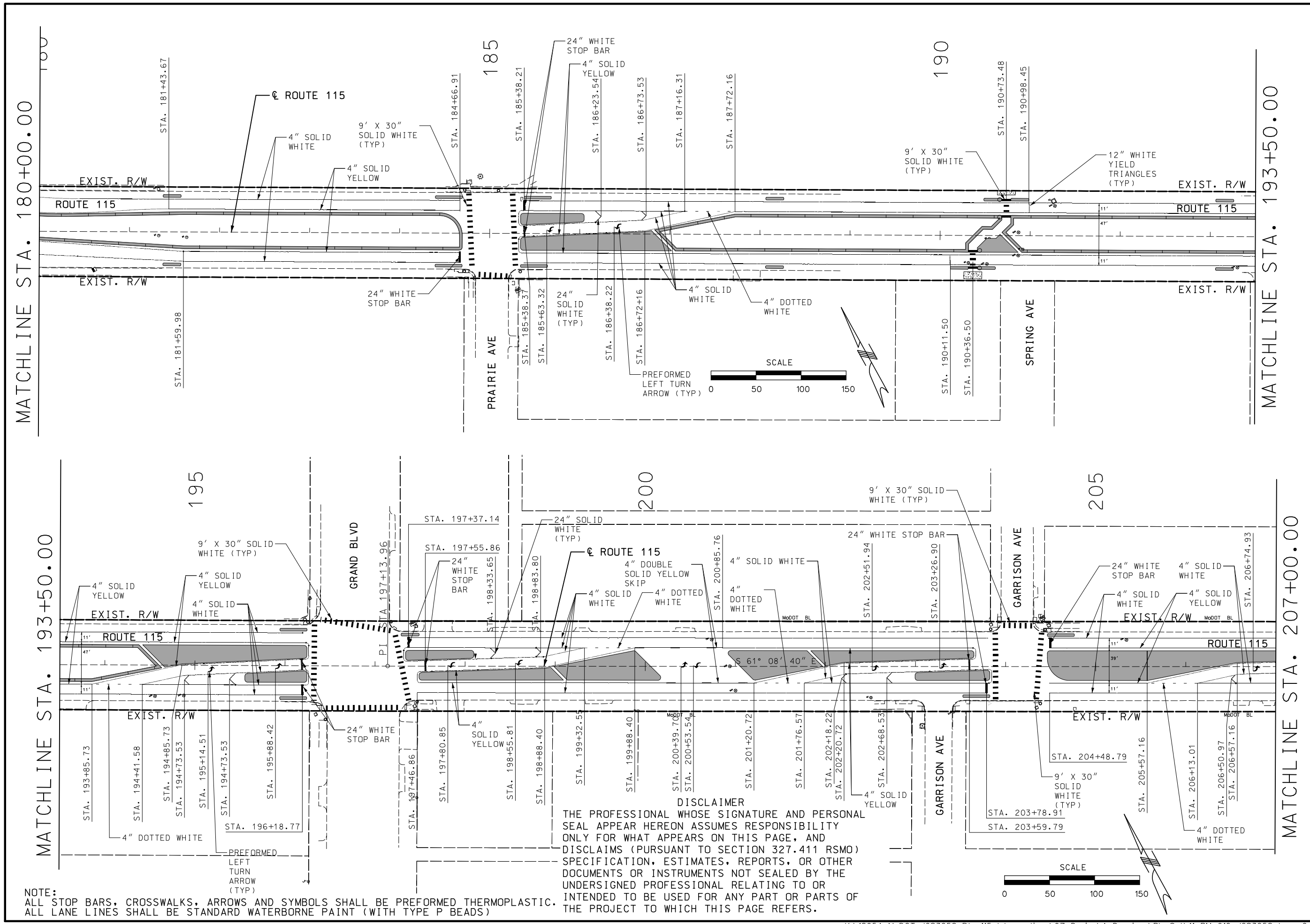

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ROUTE	115
STATE	MO
DISTRICT	SL
SHEET NO.	107
COUNTY	ST LOUIS CITY
JOB NO.	J6S3258
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BRIDGE NO.	

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PAVEMENT MARKING SHEET
ROUTE 115
SHEET 10 OF 15

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NOTE:
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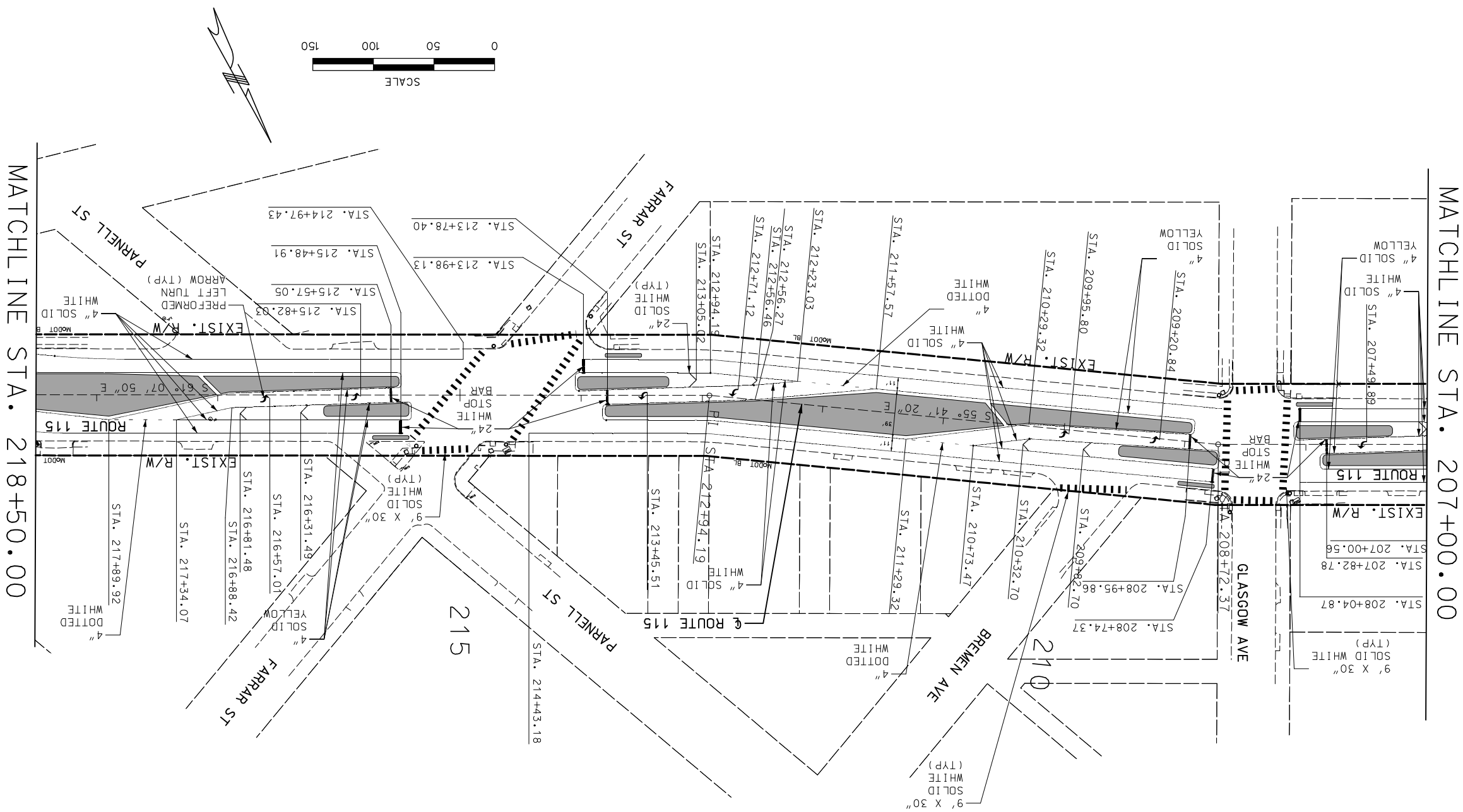
ALL LANE LINES SHALL BE STANDARD WATERBORNE PAINT (WITH TYPE P BEADS)



PAVEMENT MARKING SHEET
ROUTE 115
SHEET 11 OF 15

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(314) 849-8445
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CIVIL ENGINEERING
ENGINEERING CERTIFICATE OF AUTHORITY

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

DATE	DESCRIPTION

BRIDGE NO.
PROJECT NO.
CONTRACT ID.
JOB NO. J6S3258
COUNTY ST LOUIS CITY

DISTRICT	SHEET NO.
SL	108

ROUTE	STATE
115	MO

DATE PREPARED 3/12/2020

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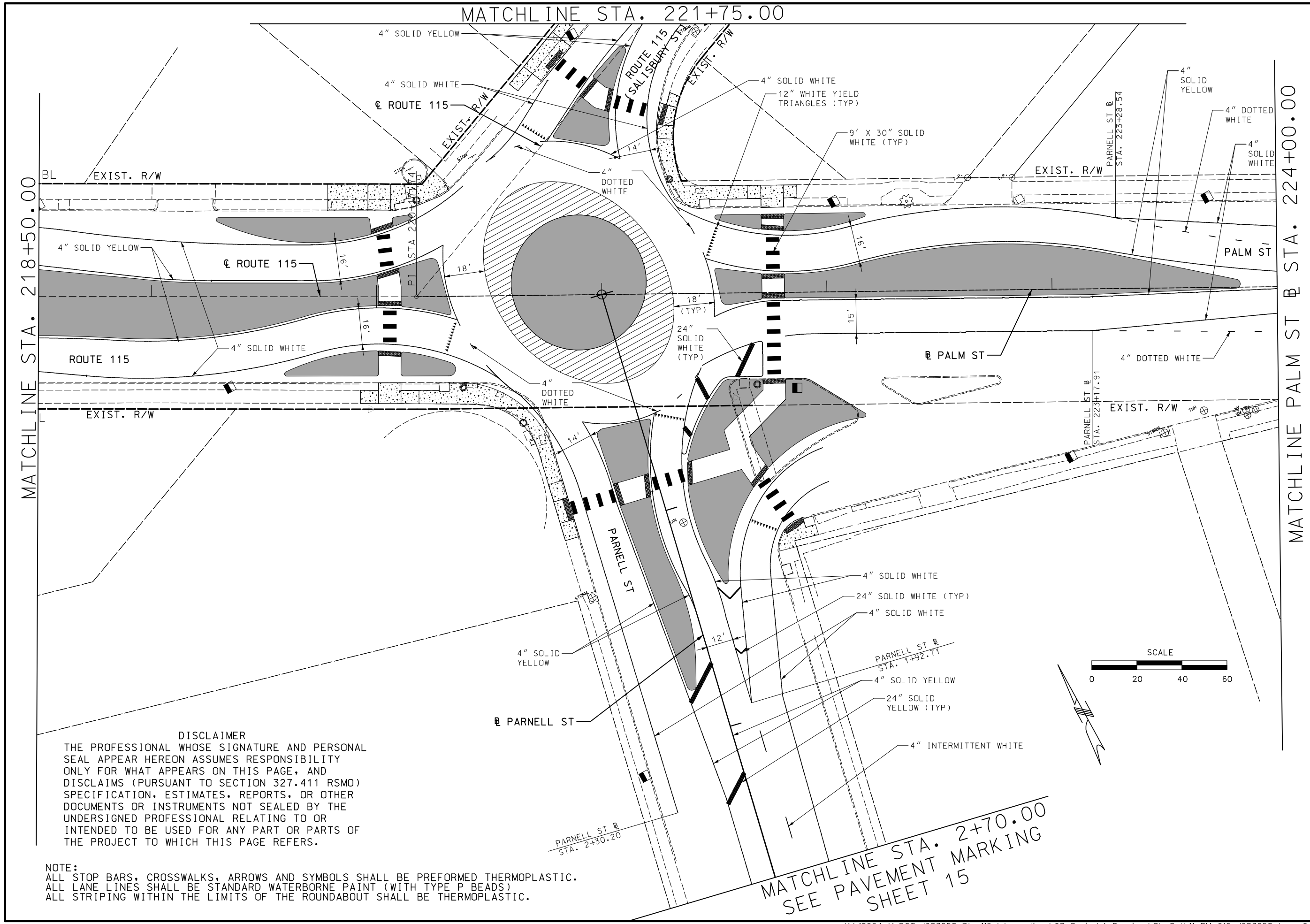

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ALL STRIPING WITHIN THE LIMITS OF THE ROUNDABOUT SHALL BE THERMOPLASTIC.

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DATE PREPARED	
3/12/2020	
ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	109
COUNTY	
ST LOUIS CITY	
JOB NO.	
J6S3258	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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PAVEMENT MARKING SHEET
ROUTE 115
SHEET 12 OF 15

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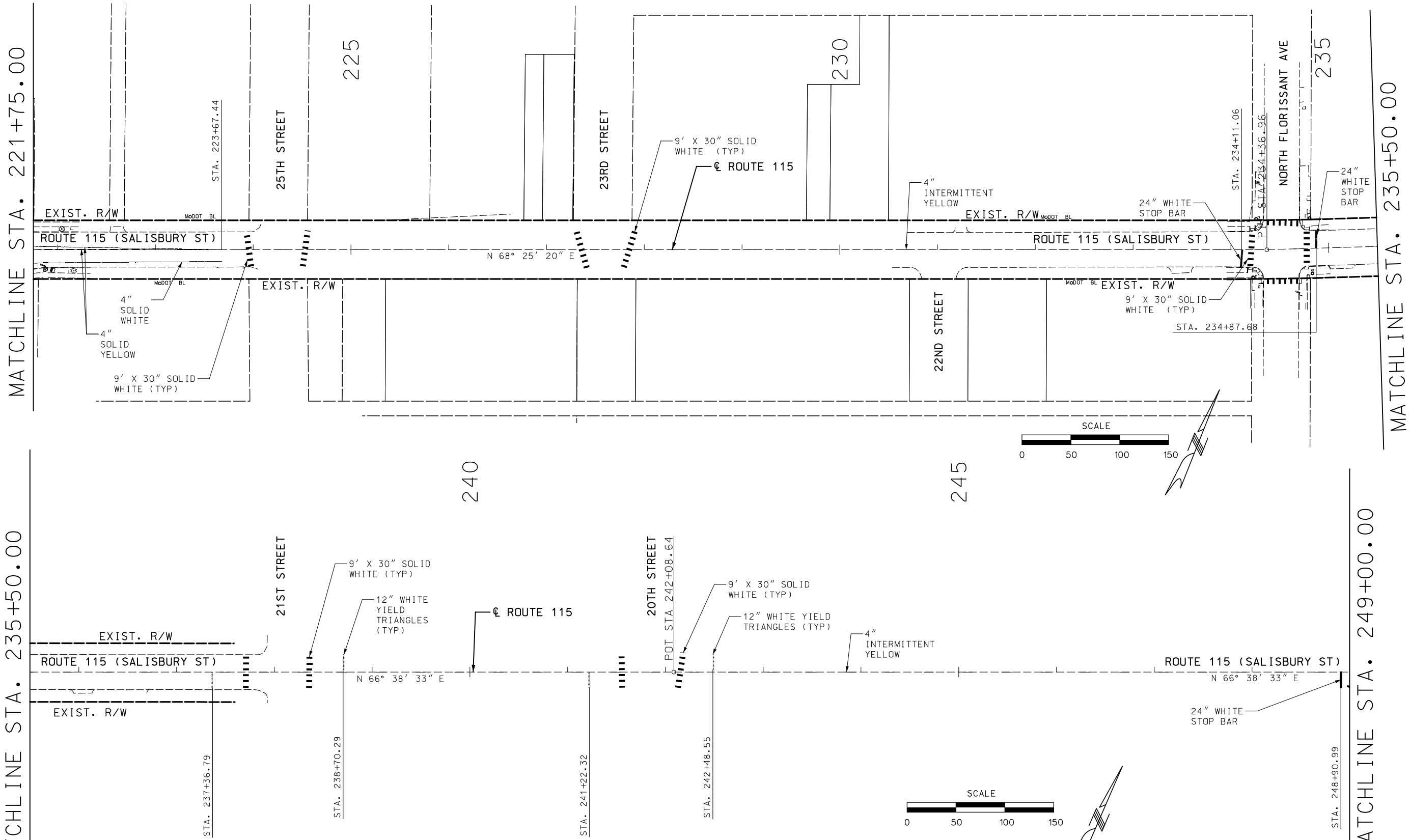

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DATE PREPARED	3/12/2020
ROUTE	115
STATE	MO
DISTRICT	SL
SHEET NO.	110
COUNTY	ST LOUIS CITY
JOB NO.	J6S3258
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
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PAVEMENT MARKING SHEET
ROUTE 115
SHEET 13 OF 15

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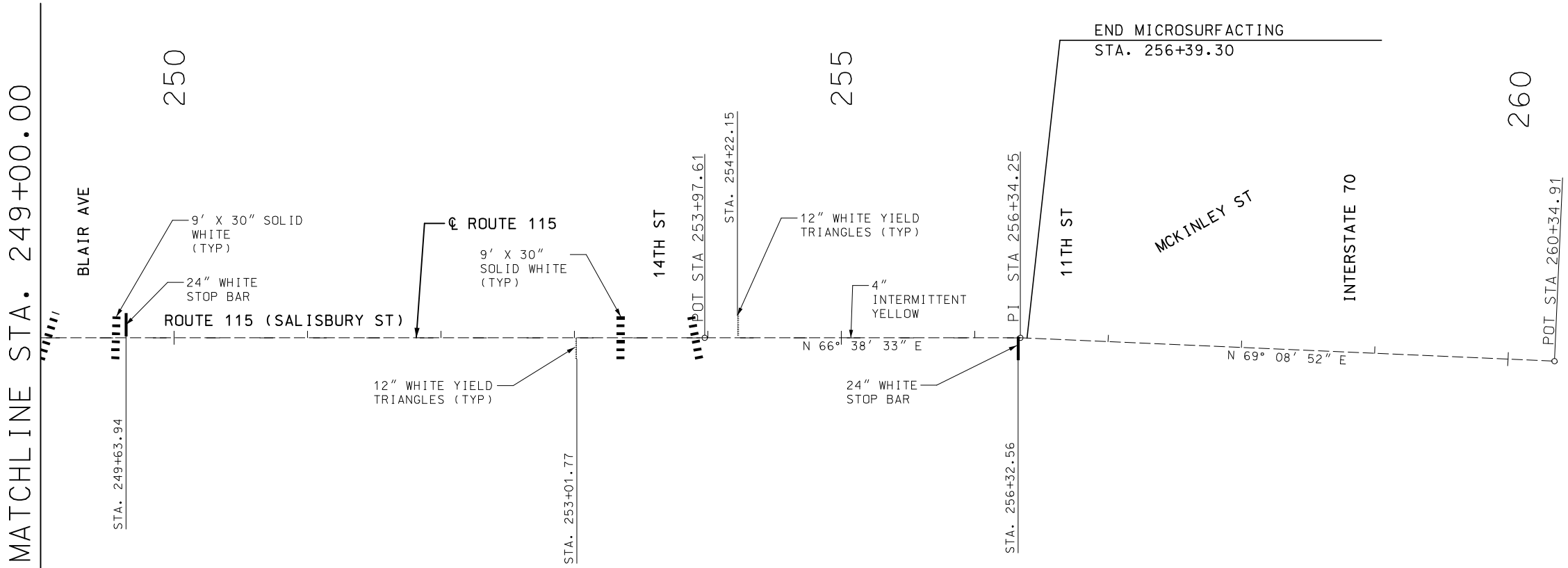

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SCALE
0 50 100 150

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ROUTE	115
STATE	MO
DISTRICT	SL
SHEET NO.	111
COUNTY	ST LOUIS CITY
JOB NO.	J6S3258
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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PAVEMENT MARKING SHEET
ROUTE 115
SHEET 14 OF 15

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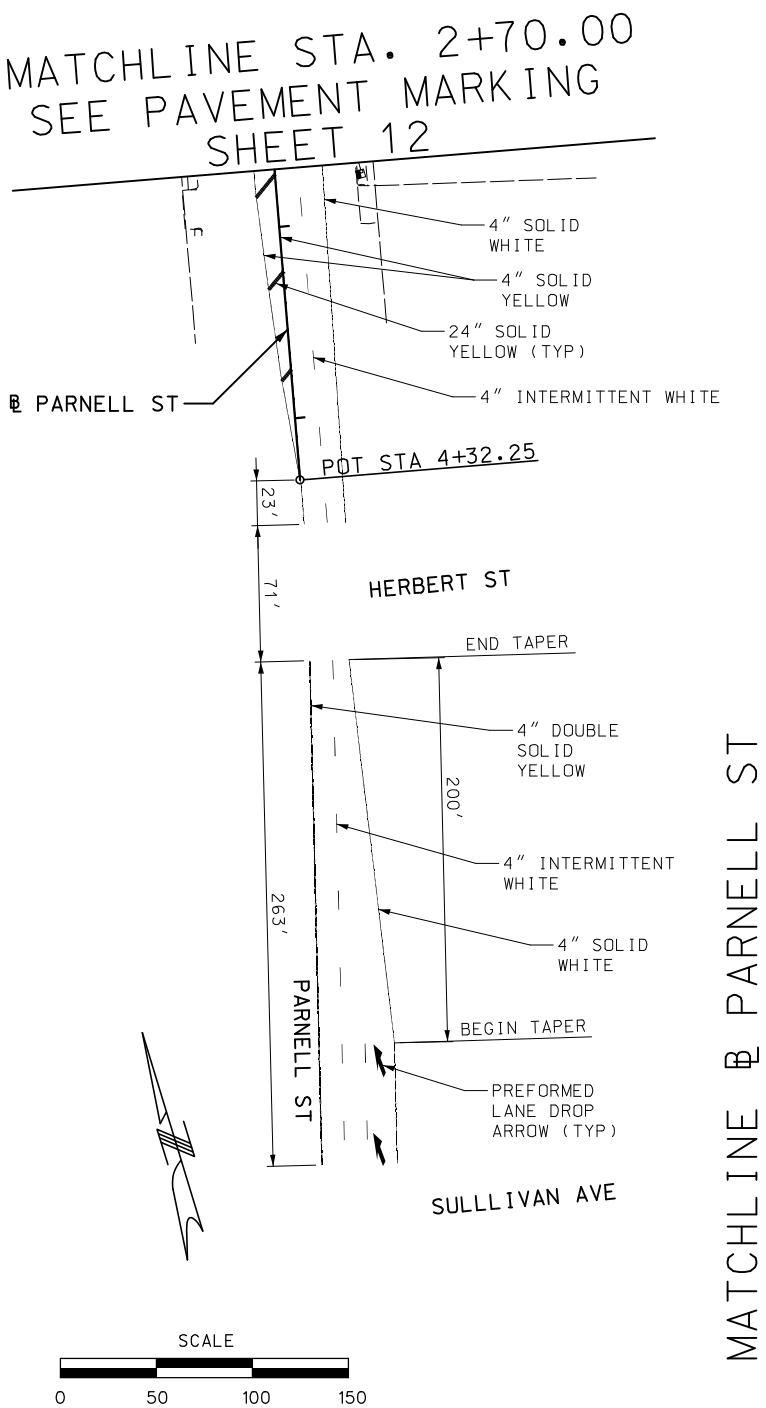
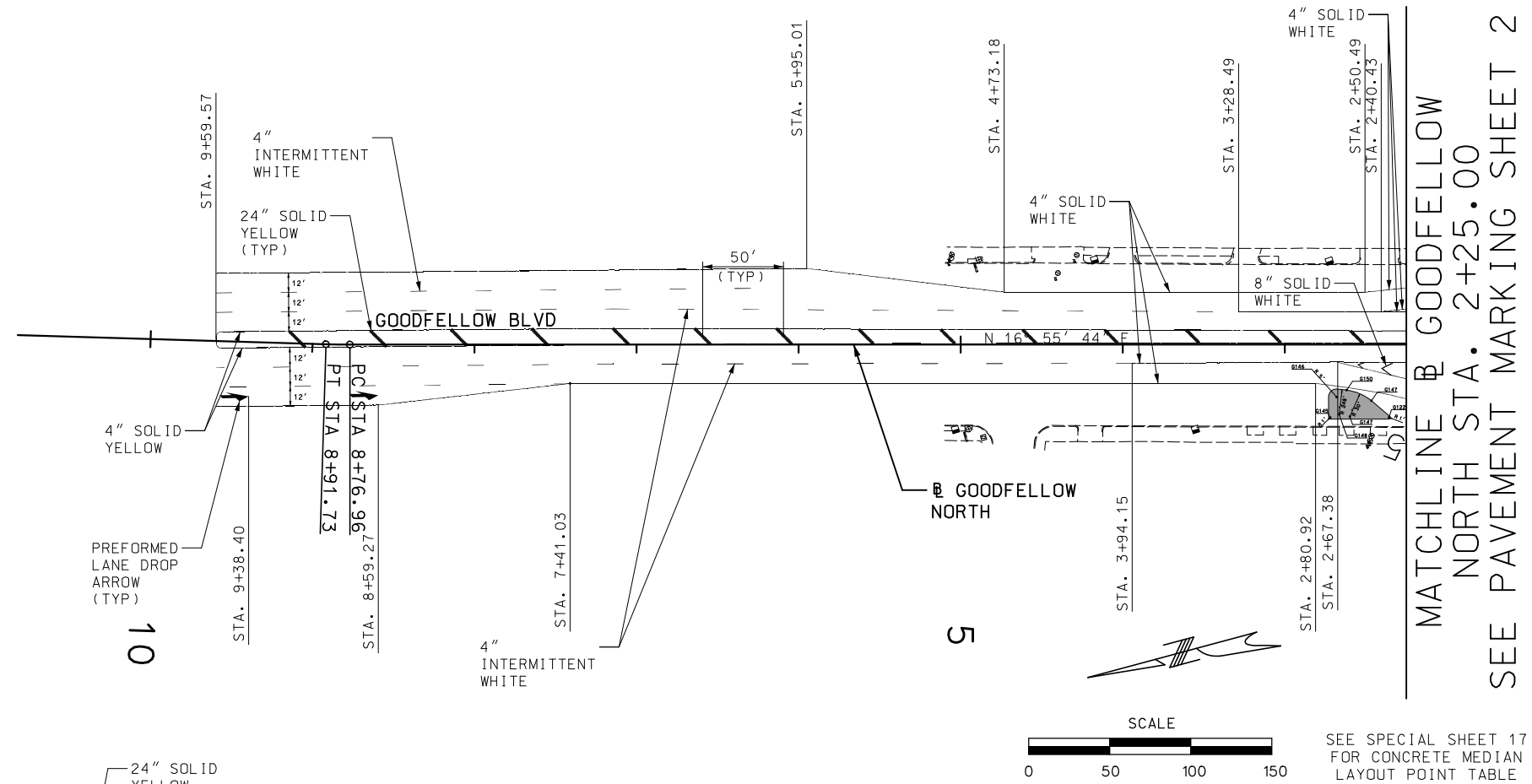
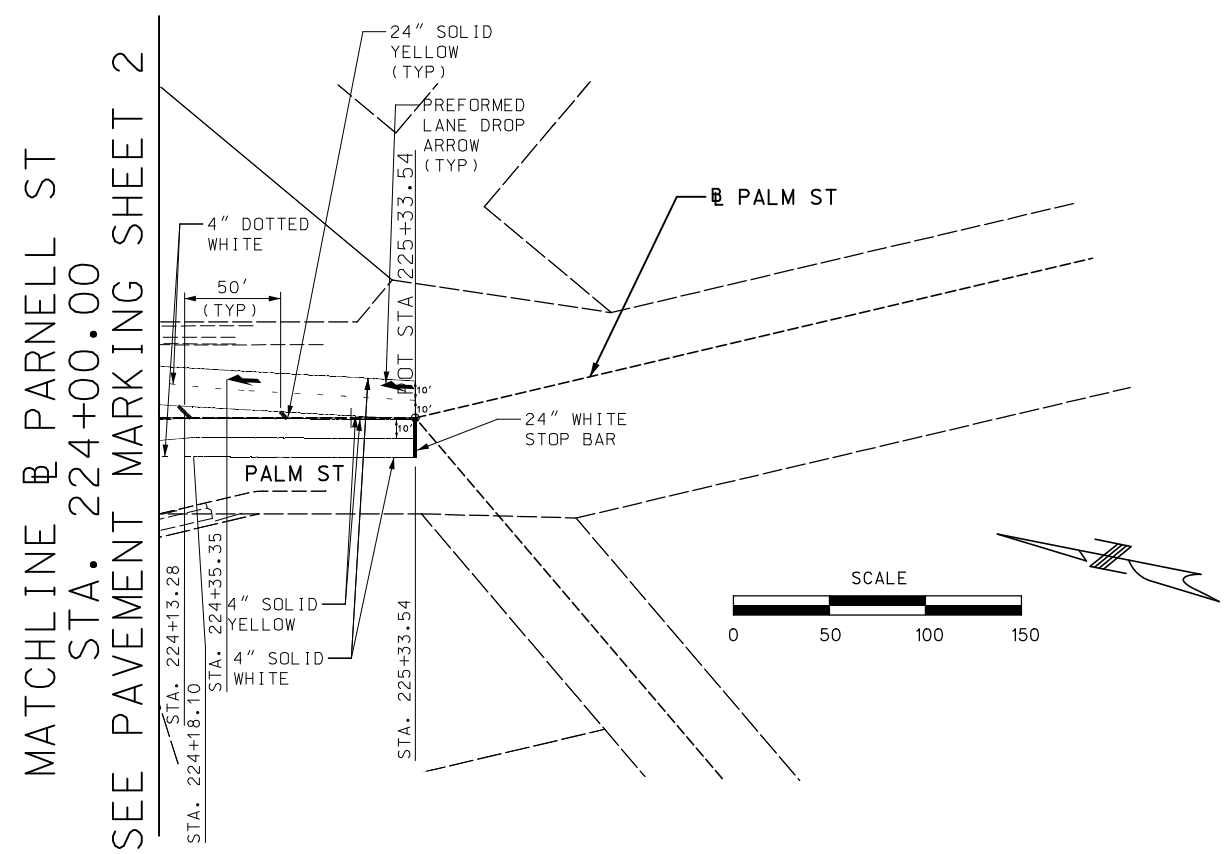




SEE SPECIAL SHEET 17
FOR CONCRETE MEDIAN
LAYOUT POINT TABLE



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115	MO
DISTRICT	SHEET NO.
SL	112
COUNTY	
ST LOUIS CITY	
JOB NO.	
J6S3258	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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PAVEMENT
MARKING SHEET
ROUTE 115
SHEET 15 OF 15

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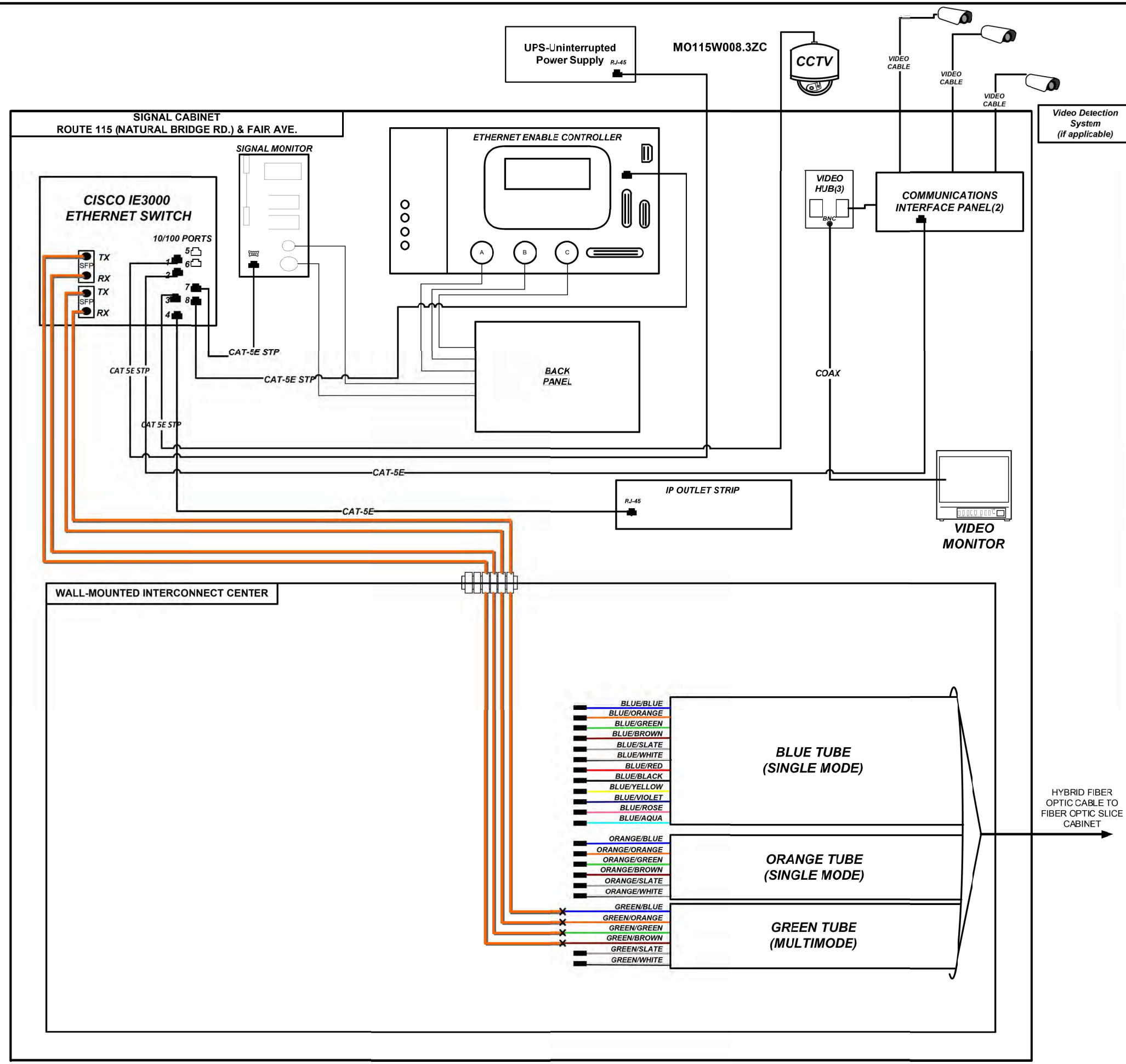

KEY

MI170N123.4C	DEVICE IDENTIFIER
CCTV	CCTV CAMERA
CCTV	EXISTING CCTV CAMERA
DMS	DYNAMIC MESSAGE SIGN
	RADAR DETECTION UNIT
	SM PATCH THROUGH FIBER OPTIC JUMPER
	SM EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	SM FIBER OPTIC PIGTAIL
	MM PATCH THROUGH FIBER OPTIC JUMPER
	MM EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	MM FIBER OPTIC PIGTAIL
	BARE FIBER LEFT COILED IN SPLICE TRAY
	EXISTING/PROPOSED FUSION SPLICE
	PATCH PANEL MODULE
	WIRELESS LINK
VDS AP	SENSYS DETECTION SYSTEM

1. MAXIMUM SPLICE LOSS SHALL BE 0.1 dB
2. NO INTERMEDIATE SPLICES ALLOWED
3. ALL SPLICES SHALL BE FUSION SPLICES
4. DASHED LINES INDICATE EXISTING EQUIPMENT OR CABLING.

FIBER SPLICING & BLOCK DIAGRAM
ROUTE 115 AT FAIR AVE.
MO115W008.3
SIGNAL CABINET
SHEET 1 OF 2

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DATE PREPARED	3/13/2020
ROUTE	115
STATE	MO
DISTRICT	SL
SHEET NO.	113
COUNTY	ST. LOUIS CITY
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PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

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FIBER SPLICING
SHEET 1 OF 2

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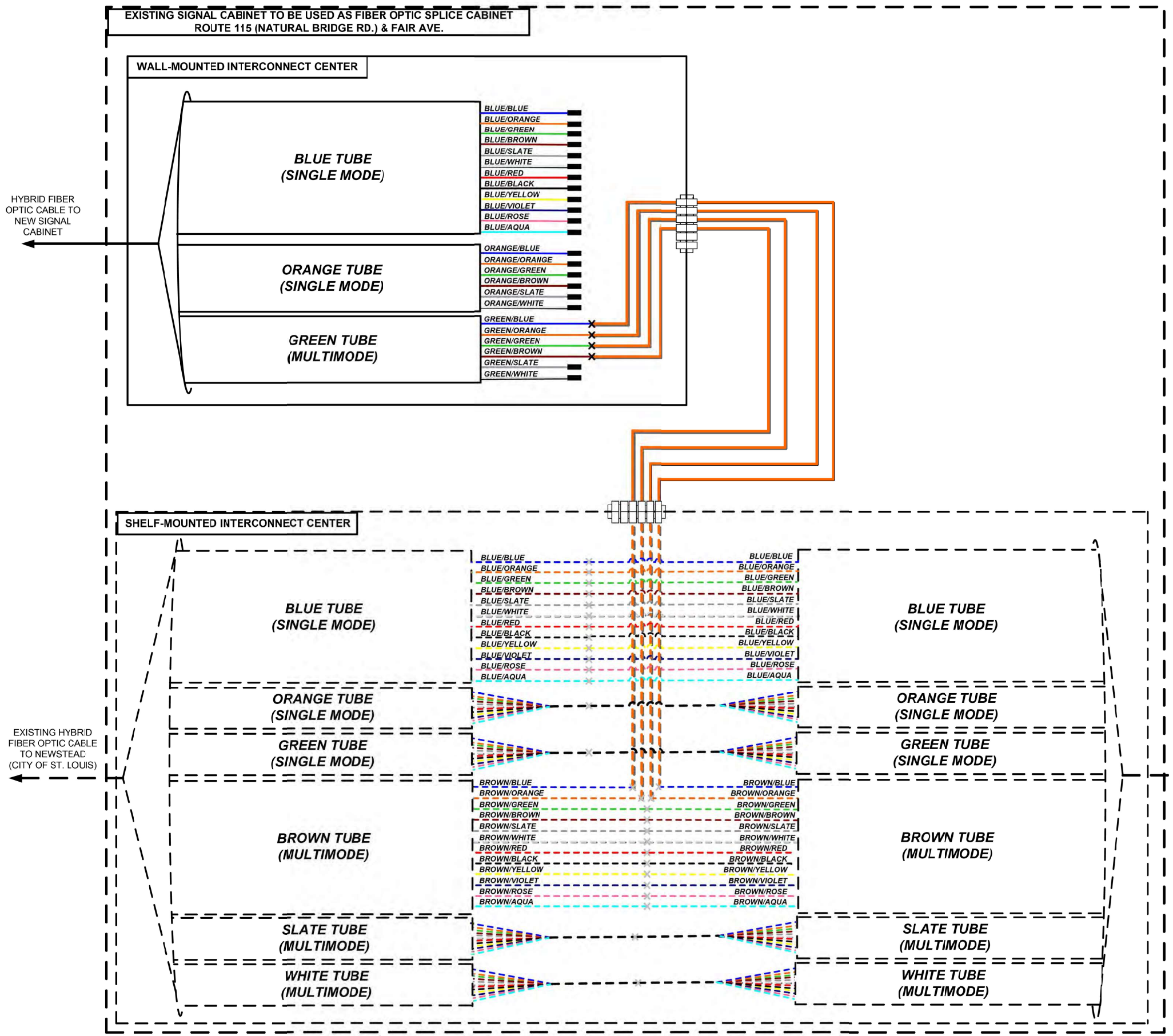

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	MM PATCH THROUGH FIBER OPTIC JUMPER
	MM EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	MM FIBER OPTIC PIGTAIL
	BARE FIBER LEFT COILED IN SPLICE TRAY
	EXISTING/PROPOSED FUSION SPLICE
	PATCH PANEL MODULE
	WIRELESS LINK
VDS AP	SENSYS DETECTION SYSTEM

1. MAXIMUM SPLICE LOSS SHALL BE 0.1 dB
2. NO INTERMEDIATE SPLICES ALLOWED
3. ALL SPLICES SHALL BE FUSION SPLICES
4. DASHED LINES INDICATE EXISTING EQUIPMENT OR CABLING.

FIBER SPLICING & BLOCK DIAGRAM

ROUTE 115 AT FAIR AVE (MO115W008.3)
EXISTING SIGNAL CABINET TO BE USED AS FIBER OPTIC SPLICE CABINET

SHEET 2 OF 2

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ROUTE 115	STATE MO
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FIBER SPLICING
SHEET 2 OF 2

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