

Appendix A:

Sample Set of Plans for I-44 and MO-13
(Springfield)

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED STATE HIGHWAY

GREENE COUNTY INTERCHANGE IMPROVEMENTS

FINAL PLANS

DESIGN DESIGNATION
 A.A.O.T. - 2010 = 39-500
 A.A.O.T. - 2020 = 45-040
 D.H.V. = 5%
 T = 15%
 V = 40 M.P.H.
 D = 64%
 FUNCTIONAL CLASSIFICATION = MAJOR

PARTIAL CONTROLLED ACCESS HIGHWAY

THIS PLAN SHOWS THE CONTROLLED ACCESS HIGHWAY. EGRESS SHALL BE AT POINTS AND COMPASSIBLE WITH TRAFFIC. SHOWING THESE PLANS, NO RIGHTS IN OR TO THE RIGHT-OF-WAY SHALL BE ATTACHED TO ANY PROPERTY, MERELY BECAUSE OF ADJACENCY TO SUCH ADJUTING PROPERTY. RIGHT-OF-WAY BOUNDARIES ARE SHOWN BELOW AS SHOWN ON THE RIGHT-OF-WAY PLAN.

— BEGINNING AND ENDING OF CONTROLLED ACCESS
 — CONTROLLED ACCESS
 NO RIGHT OF ACCESS OR CROSSING IS PERMITTED UNDER ANY CIRCUMSTANCES.

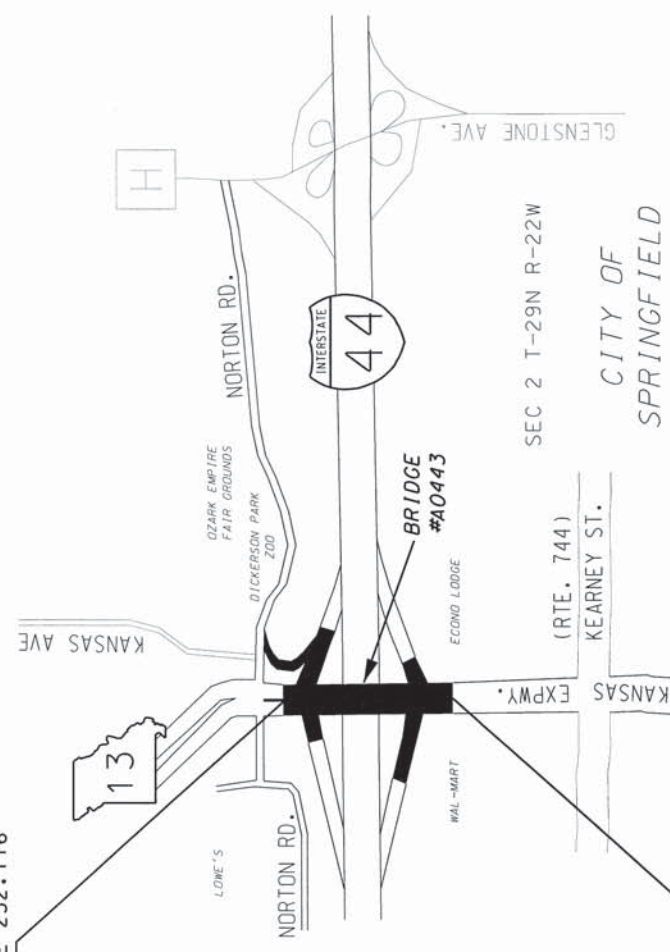
PROJECT LENGTH 0.284 MILES

NEW INTERCHANGE CONFIGURATION (DDI),
 DRAINAGE, PAVING, SIGNALS, LIGHTING
 AND INTERSECTION IMPROVEMENTS

BRIDGE #A0443 - DECK REPAIR, LOW SLUMP CONCRETE
 OVERLAY AND CATHODIC PROTECTION SYSTEM

STA. 654+54.58
 CONT. LOG MILE 232.116

STA. 659+54.58
 CONT. LOG MILE 232.400



- CONVENTIONAL SYMBOLS**
 (USED IN PLANS)
- | | |
|---------------------------|------------------------------|
| EXISTING | NEW |
| BUILDINGS AND STRUCTURES | CONCRETE RIGHT-OF-WAY MARKER |
| STEEL RIGHT-OF-WAY MARKER | LOCATION SURVEY MARKER |
| UTILITY | FIBER OPTICS |
| OVERHEAD TELEPHONE | UNDERGROUND TELEPHONE |
| UNDERGROUND POWER | GAS |
| WATER | MANHOLE |
| FIRE HYDRANT | WATER VALVE |
| WATER METER | DITCH INLET |
| DITCH BLOCK | GROUND MOUNTED SIGN |
| LIGHT POLE | H-FRAME POWER POLE |
| TELEPHONE PEDESTAL | FENCE IN LINK |
| WOODEN WIRE | GATE POST |
| BENCHMARK | |

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

DATE	13	MO	8	SHEET NO.	1
JOB NO.	J8P0841				
CONTRACT ID.					
PROJECT NO.					
COUNTY	GREENE				

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (TS) (23 SHEETS)	2
QUANTITIES (Q) (14 SHEETS)	3
PLAN-PROFILE (PP) (4-25)	4-25
COORDINATE POINTS (CP)	26-29
SPECIAL SHEETS (SS)	30-45
TRAFFIC CONTROL SHEETS (TC)	46-61
EROSION CONTROL SHEETS (EC)	62-70
LIGHTING (LT)	71-84
SIGNALS (SG)	85-99
SIGNING (SN)	100-122
PAVEMENT MARKING (PM)	123-131
CULVERT SECTIONS (CS)	132-139
BRIDGE DRAWINGS (B)	
A0443	1-26
CROSS SECTIONS (XS)	1-246
UTILITIES (WATER) (U)	U1-U3

LENGTH OF PROJECT

BEGINNING OF PROJECT	STA. 654 + 54.58
END OF PROJECT	STA. 669 + 54.58
APPARENT LENGTH	1500.00 FEET
EQUATIONS AND EXCEPTIONS:	

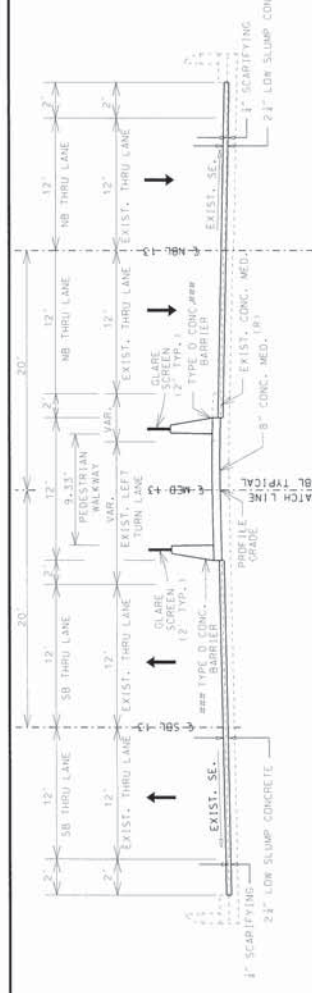
TOTAL CORRECTIONS	0.00 FEET
NET LENGTH OF PROJECT	1500.00 FEET
STATE LENGTH	0.284 MILES

NOTE: NOT TO SCALE

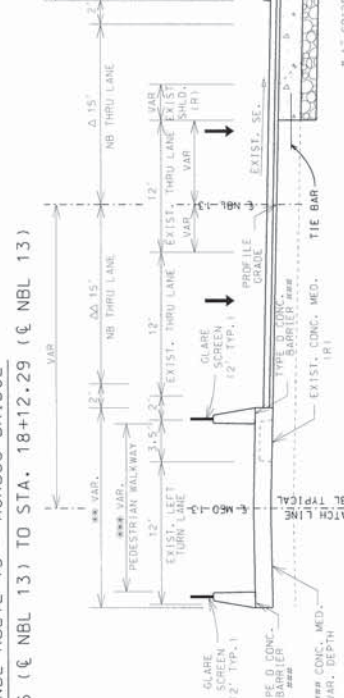
STATE	MO	8	2
JOB NO.	J8P0841		
CONTRACT ID.			
PROJECT NO.			
COUNTY	GREENE		

STATE OF MISSOURI
 BOARD OF PUBLIC WORKS
 MISSOURI DEPARTMENT OF TRANSPORTATION
 MISSOURI HIGHWAY DEPARTMENT

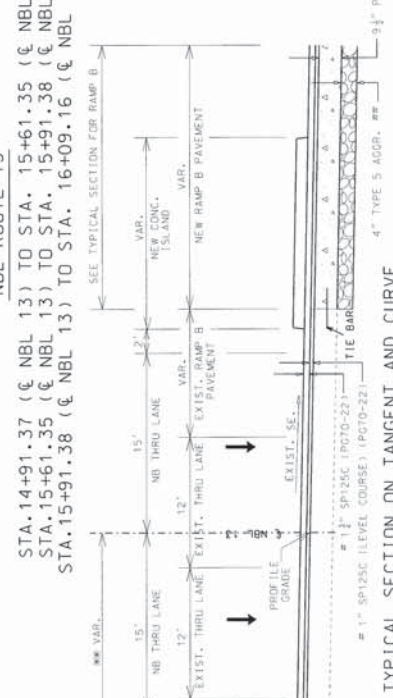
THIS SHEET AND ANY
 ATTACHED SHEETS
 ARE TO BE USED
 IN CONNECTION WITH
 THE PROJECT DESCRIBED
 HEREON



TYPICAL SECTION ON TANGENT
 NBL ROUTE 13 - ACROSS BRIDGE
 STA. 16+09.16 (€ NBL 13) TO STA. 18+12.29 (€ NBL 13)



TYPICAL SECTION ON CURVE AND TANGENT
 NBL ROUTE 13
 STA. 14+91.37 (€ NBL 13) TO STA. 15+61.35 (€ NBL 13) - CURVE
 STA. 15+61.35 (€ NBL 13) TO STA. 15+91.38 (€ NBL 13) - CURVE
 STA. 15+91.38 (€ NBL 13) TO STA. 16+09.16 (€ NBL 13) - TANGENT



TYPICAL SECTION ON TANGENT AND CURVE
 NBL ROUTE 13
 STA. 14+30.42 (€ NBL 13) TO STA. 14+44.05 (€ NBL 13) - TANGENT
 STA. 14+44.05 (€ NBL 13) TO STA. 14+91.37 (€ NBL 13) - CURVE

ASPHALT FACTORS		
COMBINED FACTOR	% AC	
SP125C (PG70-22) (LEVEL COURSE)	1-995 TONS/C.Y.	5-5
SP125C (PG70-22)	1-995 TONS/C.Y.	5-5
SP250C (PG70-22)	2-005 TONS/C.Y.	4-3
SP250C (PG64-22)	1-998 TONS/C.Y.	4-3
BP-1 (PG64-22)	1-998 TONS/C.Y.	4-6
PMBB (PG64-22)	2-010 TONS/C.Y.	4-6

TACK EST. AT 0.05 GAL/SY

EXIST. PAVEMENT HISTORY	
10" REINFORCED CONC. PAVT	4" TYPE 3 BASE
OVERLAY EXIST & OPTIONAL PAVEMENT A OR B	
1 1/2" SP125C/PG70-22 #	
1" SP125C/PG70-22 LEVEL COURSE 1 #	
OPT. PAV. A - RTE. 13 & RAMPS #	OPT. PAV. B - RTE. 13 & RAMPS #
3" SP250C/PG70-22	9 1/2" PCGP
7 1/2" SP250C/PG64-22	4" TYPE 5 AGGR. BASE
12" ROCK BASE	

OPT. PAV. A OR B PAID AS PAVEMENT, RTE. 13 AND RAMPS. PAID AS BASE, RTE. 13 AND RAMPS. NO DIRECT PAYMENT FOR GEOSYNTHETIC INTERLAYER OR TIE BARS. SEE J8P 5.

* NEW CONCRETE ISLAND ENDS AT STA. 15+11.75, € NBL RTE. 13.

** TRANSITION FROM VAR. AT STA. 14+91.07 TO 12' AT STA. 15+467.91, € NBL RTE. 13.

*** TRANSITION FROM VAR. AT STA. 14+91.07 TO 9.33' AT STA. 15+67.91, € NBL RTE. 13.

Δ TRANSITION 15' AT STA. 15+61.35 TO 12' AT STA. 16+08.64, € NBL RTE. 13.

ΔΔ TRANSITION 15' AT STA. 15+48.64 TO 12' AT STA. 16+08.64, € NBL RTE. 13.

SEE TYPICAL SECTION SHEET 21 OF 23 FOR DEPTH TRANSITION COLDWELLING AND PAVEMENT DETAILS.

SEE SPECIAL SHEETS 32-33 FOR CONC. MEDIAN AND TYPE 5 AGGR. BASE DETAILS.

* NEW CONC. MEDIAN FROM STA. 14+23.05 € NBL RTE. 13 TO STA. 14+84.40 € NBL RTE. 13.

** TRANSITION FROM 0' AT STA. 14+30.42 TO VAR AT STA. 14+44.05, € NBL RTE. 13.

SEE TYPICAL SECTION SHEET 21 OF 23 FOR DEPTH TRANSITION COLDWELLING AND PAVEMENT DETAIL.

TYPICAL SECTION ON TANGENT AND CURVE
 NBL ROUTE 13
 STA. 14+30.42 (€ NBL 13) TO STA. 14+44.05 (€ NBL 13) - TANGENT
 STA. 14+44.05 (€ NBL 13) TO STA. 14+91.37 (€ NBL 13) - CURVE

TYPICAL SECTION ON CURVE AND TANGENT
 NBL ROUTE 13
 STA. 14+91.37 (€ NBL 13) TO STA. 15+61.35 (€ NBL 13) - CURVE
 STA. 15+61.35 (€ NBL 13) TO STA. 15+91.38 (€ NBL 13) - CURVE
 STA. 15+91.38 (€ NBL 13) TO STA. 16+09.16 (€ NBL 13) - TANGENT

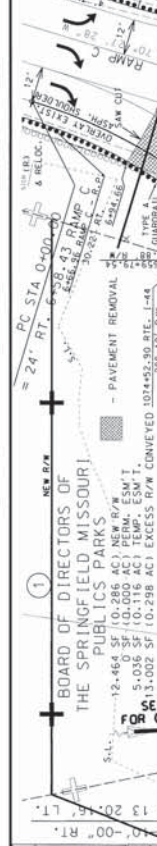
TYPICAL SECTION ON TANGENT
 NBL ROUTE 13
 STA. 16+09.16 (€ NBL 13) TO STA. 18+12.29 (€ NBL 13)

TYPICAL SECTION FOR RAMP B
 NBL ROUTE 13
 STA. 16+09.16 (€ NBL 13) TO STA. 16+09.16 (€ NBL 13)

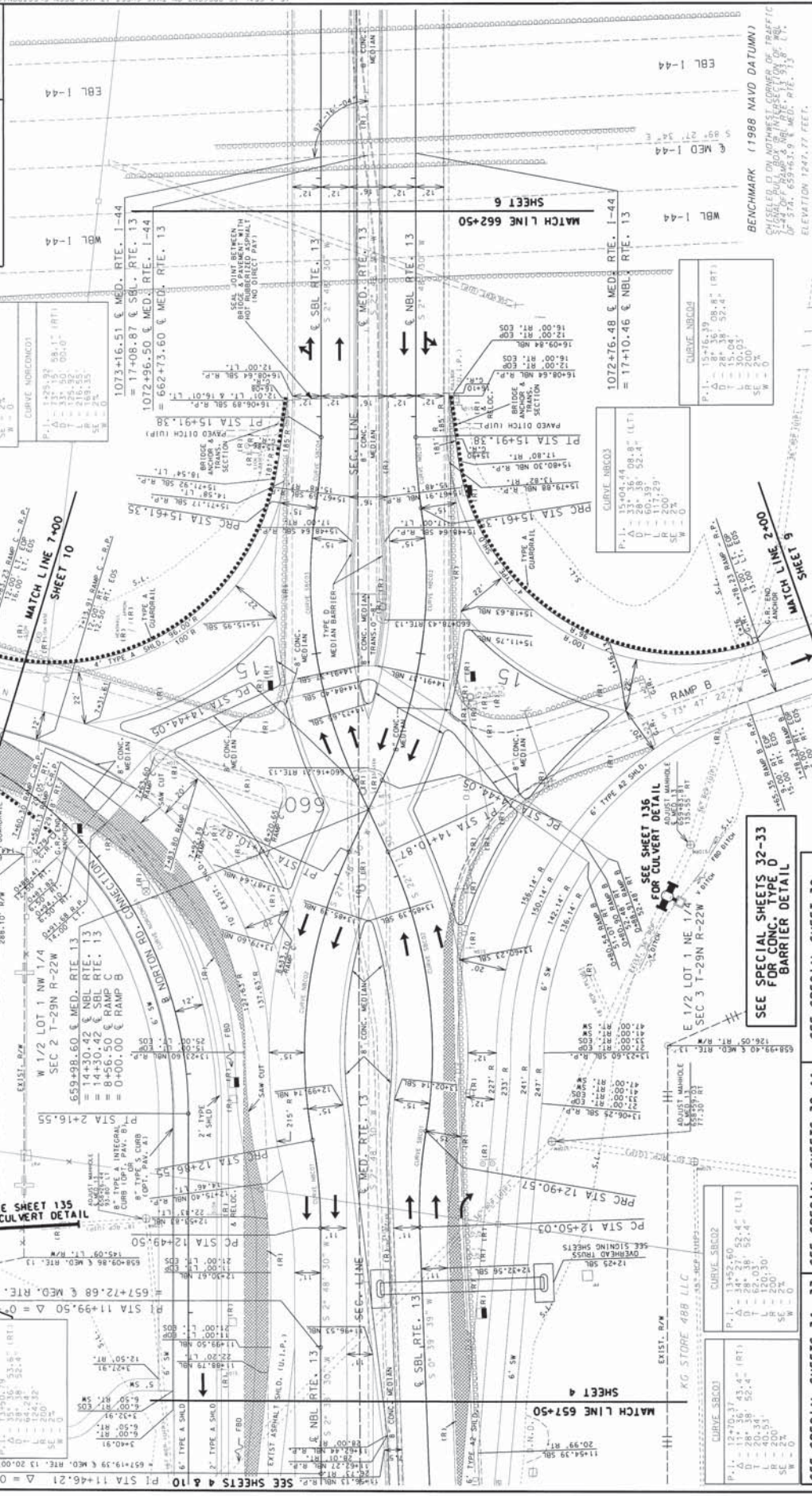
STATE OF MISSOURI
 CONTRACT NO. **J8P0841**
 PROJECT NO. **MO13 MO 8 5**
 COUNTY **GREENE**

CURVE NO.	PC STA.	PT STA.	PI STA.	EA	EB	EC	ED
CURVE SB021	12+50.00	12+50.00	12+50.00	0.00	0.00	0.00	0.00
CURVE SB022	12+50.00	12+50.00	12+50.00	0.00	0.00	0.00	0.00
CURVE SB023	12+50.00	12+50.00	12+50.00	0.00	0.00	0.00	0.00
CURVE SB024	12+50.00	12+50.00	12+50.00	0.00	0.00	0.00	0.00

BOARD OF DIRECTORS OF THE SPRINGFIELD MISSOURI PUBLICS PARKS
 12+464 SF (10.286 AC) NEW PAV'G W/T
 5+036 SF (10.116 AC) IMP. ESM'T.
 13+002 SF (10.298 AC) EXCESS R/W CONVEYED 1024+55.50 R.TE. 1-44



CURVE NO.	PC STA.	PT STA.	PI STA.	EA	EB	EC	ED
CURVE SB021	12+50.00	12+50.00	12+50.00	0.00	0.00	0.00	0.00
CURVE SB022	12+50.00	12+50.00	12+50.00	0.00	0.00	0.00	0.00
CURVE SB023	12+50.00	12+50.00	12+50.00	0.00	0.00	0.00	0.00
CURVE SB024	12+50.00	12+50.00	12+50.00	0.00	0.00	0.00	0.00



SCALE 1" = 20' MODIFIED AS SHOWN
 PLAN SHEET 2 OF 11
 BENCHMARK (1988 NAVD DATUM)
 ELEVATION 1747.77 FEET

CURVE NO.	PC STA.	PT STA.	PI STA.	EA	EB	EC	ED
CURVE SB021	12+50.00	12+50.00	12+50.00	0.00	0.00	0.00	0.00
CURVE SB022	12+50.00	12+50.00	12+50.00	0.00	0.00	0.00	0.00
CURVE SB023	12+50.00	12+50.00	12+50.00	0.00	0.00	0.00	0.00
CURVE SB024	12+50.00	12+50.00	12+50.00	0.00	0.00	0.00	0.00

CURVE NO.	PC STA.	PT STA.	PI STA.	EA	EB	EC	ED
CURVE SB021	12+50.00	12+50.00	12+50.00	0.00	0.00	0.00	0.00
CURVE SB022	12+50.00	12+50.00	12+50.00	0.00	0.00	0.00	0.00
CURVE SB023	12+50.00	12+50.00	12+50.00	0.00	0.00	0.00	0.00
CURVE SB024	12+50.00	12+50.00	12+50.00	0.00	0.00	0.00	0.00

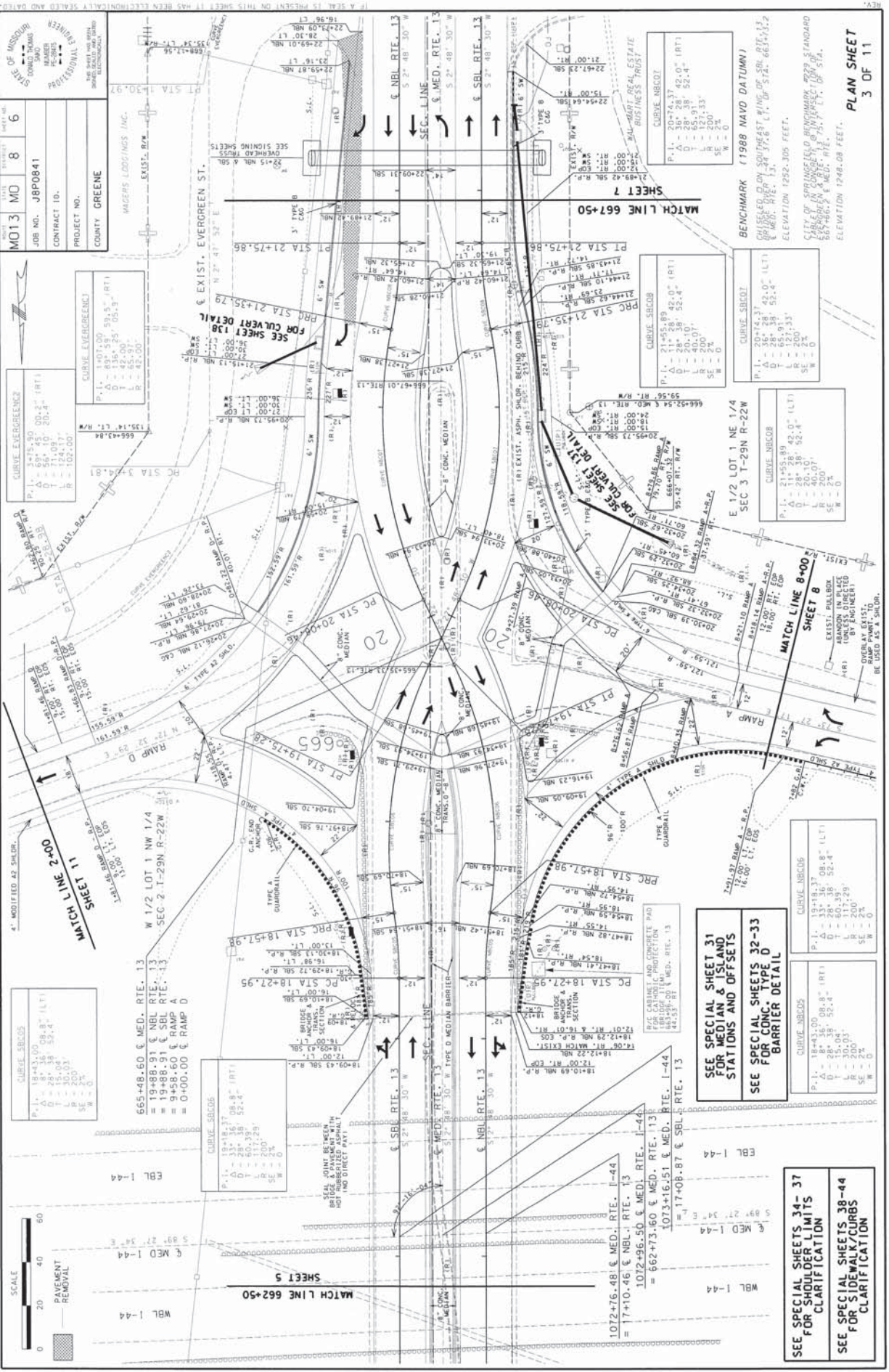
CURVE NO.	PC STA.	PT STA.	PI STA.	EA	EB	EC	ED
CURVE SB021	12+50.00	12+50.00	12+50.00	0.00	0.00	0.00	0.00
CURVE SB022	12+50.00	12+50.00	12+50.00	0.00	0.00	0.00	0.00
CURVE SB023	12+50.00	12+50.00	12+50.00	0.00	0.00	0.00	0.00
CURVE SB024	12+50.00	12+50.00	12+50.00	0.00	0.00	0.00	0.00

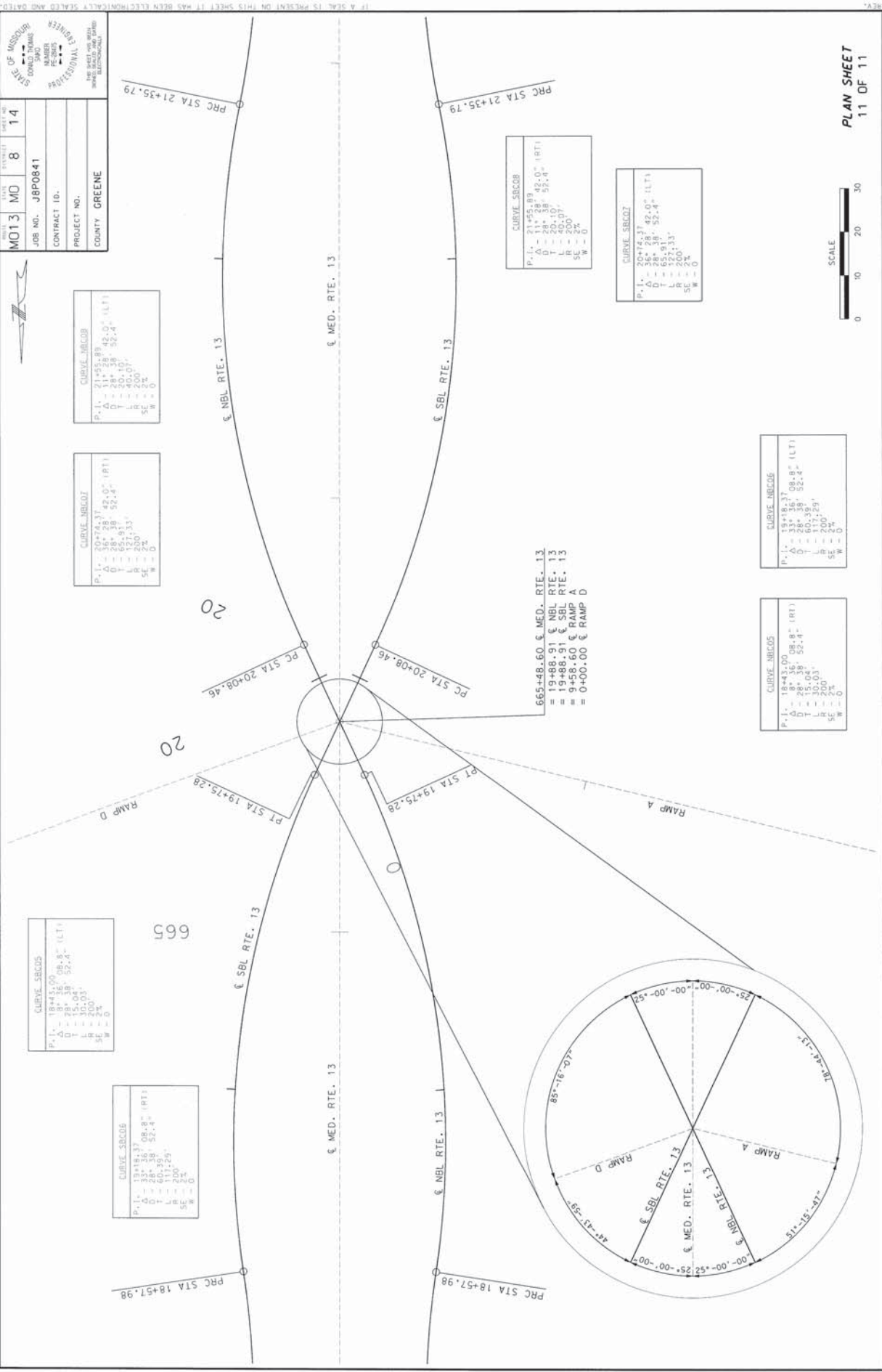
CURVE NO.	PC STA.	PT STA.	PI STA.	EA	EB	EC	ED
CURVE SB021	12+50.00	12+50.00	12+50.00	0.00	0.00	0.00	0.00
CURVE SB022	12+50.00	12+50.00	12+50.00	0.00	0.00	0.00	0.00
CURVE SB023	12+50.00	12+50.00	12+50.00	0.00	0.00	0.00	0.00
CURVE SB024	12+50.00	12+50.00	12+50.00	0.00	0.00	0.00	0.00

CURVE NO.	PC STA.	PT STA.	PI STA.	EA	EB	EC	ED
CURVE SB021	12+50.00	12+50.00	12+50.00	0.00	0.00	0.00	0.00
CURVE SB022	12+50.00	12+50.00	12+50.00	0.00	0.00	0.00	0.00
CURVE SB023	12+50.00	12+50.00	12+50.00	0.00	0.00	0.00	0.00
CURVE SB024	12+50.00	12+50.00	12+50.00	0.00	0.00	0.00	0.00

CURVE NO.	PC STA.	PT STA.	PI STA.	EA	EB	EC	ED
CURVE SB021	12+50.00	12+50.00	12+50.00	0.00	0.00	0.00	0.00
CURVE SB022	12+50.00	12+50.00	12+50.00	0.00	0.00	0.00	0.00
CURVE SB023	12+50.00	12+50.00	12+50.00	0.00	0.00	0.00	0.00
CURVE SB024	12+50.00	12+50.00	12+50.00	0.00	0.00	0.00	0.00

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



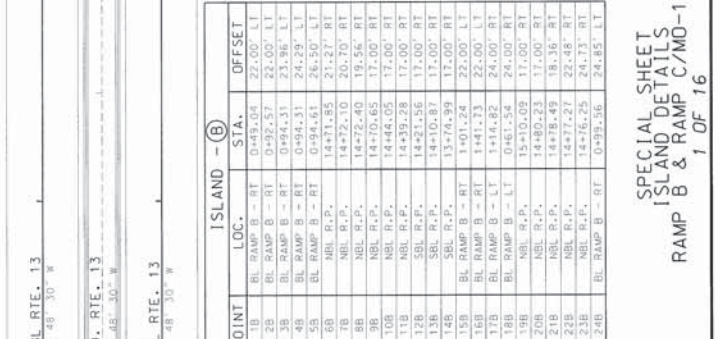


ISLAND - (C)

POINT	LOC.	STA.	OFFSET
1C	NBL R.P.	13+89.24	17.00' LT
2C	NBL R.P.	14+10.87	17.00' LT
3C	NBL R.P.	14+21.56	17.00' LT
4C	SBL R.P.	14+39.28	17.00' LT
5C	SBL R.P.	14+44.05	17.00' LT
6C	SBL R.P.	14+87.24	17.00' LT
7C	SBL R.P.	14+89.04	15.37' LT
8C	BL RAMP C - RT	0+50.35	24.42' LT
9C	BL RAMP C - RT	0+51.39	21.50' LT
10C	BL RAMP C - RT	0+63.71	25.00' LT
11C	BL RAMP C - RT	0+63.71	25.00' LT
12C	SBL R.P.	14+91.57	17.00' LT
13C	SBL R.P.	15+07.63	17.00' LT
14C	BL RAMP C - LT	1+10.16	24.00' RT
15C	BL RAMP C - LT	0+54.11	24.00' RT
16C	BL RAMP C - RT	0+30.55	17.81' RT
17C	BL RAMP C - RT	0+42.26	20.27' LT
18C	BL RAMP C - RT	0+43.70	21.86' LT
19C	BL RAMP C - RT	0+45.53	24.48' LT
20C	SBL R.P.	14+89.24	18.55' LT

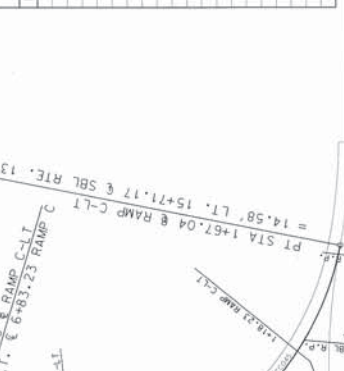
ISLAND - (B)

POINT	LOC.	STA.	OFFSET
1B	BL RAMP B - RT	0+49.04	22.00' LT
2B	BL RAMP B - RT	0+52.57	22.00' LT
3B	BL RAMP B - RT	0+54.31	23.59' LT
4B	BL RAMP B - RT	0+54.31	26.50' LT
5B	BL RAMP B - RT	0+54.61	26.50' LT
6B	NBL R.P.	14+71.95	21.27' RT
7B	NBL R.P.	14+72.10	20.70' RT
8B	NBL R.P.	14+72.40	19.56' RT
9B	NBL R.P.	14+70.65	17.00' RT
10B	NBL R.P.	14+44.05	17.00' RT
11B	NBL R.P.	14+39.28	17.00' RT
12B	SBL R.P.	14+21.56	17.00' RT
13B	SBL R.P.	14+10.87	17.00' RT
14B	SBL R.P.	13+74.99	17.00' RT
15B	BL RAMP B - RT	1+01.24	22.00' LT
16B	BL RAMP B - RT	1+41.73	22.00' LT
17B	BL RAMP B - LT	1+14.82	24.00' RT
18B	BL RAMP B - LT	0+46.36	24.00' RT
19B	SBL R.P.	14+00.23	17.00' RT
20B	SBL R.P.	14+00.23	17.00' RT
21B	NBL R.P.	14+78.49	18.36' RT
22B	NBL R.P.	14+77.27	22.48' RT
23B	NBL R.P.	14+16.25	24.73' RT
24B	BL RAMP B - RT	0+39.56	24.85' LT



ISLAND - (A)

POINT	LOC.	STA.	OFFSET
1A	NBL R.P.	14+89.24	17.00' LT
2A	NBL R.P.	14+10.87	17.00' LT
3A	NBL R.P.	14+21.56	17.00' LT
4A	SBL R.P.	14+39.28	17.00' LT
5A	SBL R.P.	14+44.05	17.00' LT
6A	SBL R.P.	14+87.24	17.00' LT
7A	SBL R.P.	14+89.04	15.37' LT
8A	BL RAMP A - RT	0+50.35	24.42' LT
9A	BL RAMP A - RT	0+51.39	21.50' LT
10A	BL RAMP A - RT	0+63.71	25.00' LT
11A	BL RAMP A - RT	0+63.71	25.00' LT
12A	SBL R.P.	14+91.57	17.00' LT
13A	SBL R.P.	15+07.63	17.00' LT
14A	BL RAMP A - LT	1+10.16	24.00' RT
15A	BL RAMP A - LT	0+54.11	24.00' RT
16A	BL RAMP A - RT	0+30.55	17.81' RT
17A	BL RAMP A - RT	0+42.26	20.27' LT
18A	BL RAMP A - RT	0+43.70	21.86' LT
19A	BL RAMP A - RT	0+45.53	24.48' LT
20A	SBL R.P.	14+89.24	18.55' LT



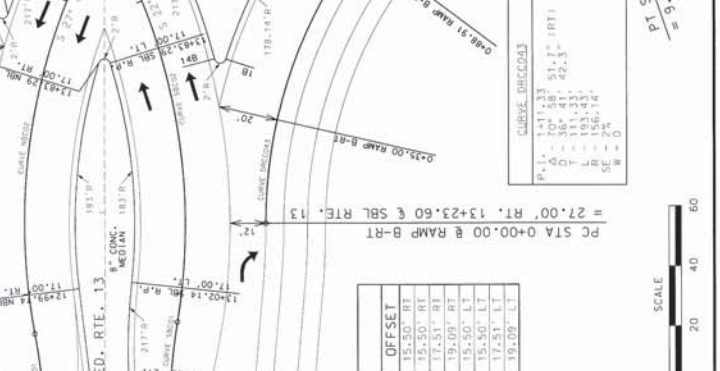
ISLAND - (E)

POINT	LOC.	STA.	OFFSET
1E	SBL R.P.	14+75.75	15.50' RT
2E	SBL R.P.	14+82.27	15.50' RT
3E	SBL R.P.	14+84.46	17.51' RT
4E	SBL R.P.	14+84.46	19.09' RT
5E	NBL R.P.	14+75.75	15.50' LT
6E	NBL R.P.	14+82.27	15.50' LT
7E	NBL R.P.	14+84.46	17.51' LT
8E	NBL R.P.	14+84.46	19.09' LT



ISLAND - (D)

POINT	LOC.	STA.	OFFSET
1D	NBL R.P.	14+89.24	17.00' LT
2D	NBL R.P.	14+10.87	17.00' LT
3D	NBL R.P.	14+21.56	17.00' LT
4D	SBL R.P.	14+39.28	17.00' LT
5D	SBL R.P.	14+44.05	17.00' LT
6D	SBL R.P.	14+87.24	17.00' LT
7D	SBL R.P.	14+89.04	15.37' LT
8D	BL RAMP D - RT	0+50.35	24.42' LT
9D	BL RAMP D - RT	0+51.39	21.50' LT
10D	BL RAMP D - RT	0+63.71	25.00' LT
11D	BL RAMP D - RT	0+63.71	25.00' LT
12D	SBL R.P.	14+91.57	17.00' LT
13D	SBL R.P.	15+07.63	17.00' LT
14D	BL RAMP D - LT	1+10.16	24.00' RT
15D	BL RAMP D - LT	0+54.11	24.00' RT
16D	BL RAMP D - RT	0+30.55	17.81' RT
17D	BL RAMP D - RT	0+42.26	20.27' LT
18D	BL RAMP D - RT	0+43.70	21.86' LT
19D	BL RAMP D - RT	0+45.53	24.48' LT
20D	SBL R.P.	14+89.24	18.55' LT



ISLAND - (G)

POINT	LOC.	STA.	OFFSET
1G	NBL R.P.	14+89.24	17.00' LT
2G	NBL R.P.	14+10.87	17.00' LT
3G	NBL R.P.	14+21.56	17.00' LT
4G	SBL R.P.	14+39.28	17.00' LT
5G	SBL R.P.	14+44.05	17.00' LT
6G	SBL R.P.	14+87.24	17.00' LT
7G	SBL R.P.	14+89.04	15.37' LT
8G	BL RAMP G - RT	0+50.35	24.42' LT
9G	BL RAMP G - RT	0+51.39	21.50' LT
10G	BL RAMP G - RT	0+63.71	25.00' LT
11G	BL RAMP G - RT	0+63.71	25.00' LT
12G	SBL R.P.	14+91.57	17.00' LT
13G	SBL R.P.	15+07.63	17.00' LT
14G	BL RAMP G - LT	1+10.16	24.00' RT
15G	BL RAMP G - LT	0+54.11	24.00' RT
16G	BL RAMP G - RT	0+30.55	17.81' RT
17G	BL RAMP G - RT	0+42.26	20.27' LT
18G	BL RAMP G - RT	0+43.70	21.86' LT
19G	BL RAMP G - RT	0+45.53	24.48' LT
20G	SBL R.P.	14+89.24	18.55' LT



ISLAND - (H)

POINT	LOC.	STA.	OFFSET
1H	SBL R.P.	14+75.75	15.50' RT
2H	SBL R.P.	14+82.27	15.50' RT
3H	SBL R.P.	14+84.46	17.51' RT
4H	SBL R.P.	14+84.46	19.09' RT
5H	NBL R.P.	14+75.75	15.50' LT
6H	NBL R.P.	14+82.27	15.50' LT
7H	NBL R.P.	14+84.46	17.51' LT
8H	NBL R.P.	14+84.46	19.09' LT



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

MOI 3 MO 8 31
JOB NO. JBP0841
CONTRACT ID.
PROJECT NO.
COUNTY GREENE

ISLAND - D

POINT	LDC.	STA.	OFFSET
10	SBL R.P.P.	19+06.37	17.00' LT
20	SBL R.P.P.	19+06.37	17.00' LT
30	SBL R.P.P.	19+33.10	17.00' LT
40	SBL R.P.P.	19+40.84	18.36' LT
50	SBL R.P.P.	19+42.38	19.72' LT
60	SBL R.P.P.	19+43.19	21.08' LT
70	SBL R.P.P.	19+43.19	22.44' LT
80	SBL R.P.P.	19+43.19	23.80' LT
90	SBL R.P.P.	19+43.19	25.16' LT
100	SBL R.P.P.	19+43.19	26.52' LT
110	SBL R.P.P.	19+43.19	27.88' LT
120	SBL R.P.P.	19+43.19	29.24' LT
130	SBL R.P.P.	19+43.19	30.60' LT
140	SBL R.P.P.	19+43.19	31.96' LT
150	SBL R.P.P.	19+43.19	33.32' LT
160	SBL R.P.P.	19+43.19	34.68' LT
170	SBL R.P.P.	19+43.19	36.04' LT
180	SBL R.P.P.	19+43.19	37.40' LT
190	SBL R.P.P.	19+43.19	38.76' LT
200	SBL R.P.P.	19+43.19	40.12' LT
210	SBL R.P.P.	19+43.19	41.48' LT
220	SBL R.P.P.	19+43.19	42.84' LT
230	SBL R.P.P.	19+43.19	44.20' LT

CURVE DRCC045

P.L. = 1+472.58
 Δ = 104° 16' 41.13" (LRT)
 D = 128.64' 44.8"
 L = 182.00'
 SE = 100.00'
 W = 0'
 N = 0'

ISLAND - E

POINT	LDC.	STA.	OFFSET
1E	SBL R.P.P.	19+24.87	19.05' RT
2E	SBL R.P.P.	19+24.87	17.51' RT
3E	SBL R.P.P.	19+37.06	15.50' RT
4E	SBL R.P.P.	19+43.58	15.50' RT
5E	SBL R.P.P.	19+34.87	19.05' RT
6E	SBL R.P.P.	19+34.87	17.51' RT
7E	SBL R.P.P.	19+37.06	15.50' RT
8E	SBL R.P.P.	19+43.58	15.50' RT

CURVE DRCC047

P.L. = 1+28.64
 Δ = 104° 16' 41.13" (LRT)
 D = 128.64' 44.8"
 L = 182.00'
 SE = 100.00'
 W = 0'

ISLAND - A

POINT	LDC.	STA.	OFFSET
1A	BL RAMP A LT - R.P.P.	1+08.36	24.00' RT
2A	BL RAMP A LT - R.P.P.	0+54.11	24.00' RT
3A	BL RAMP A RT - R.P.P.	0+34.07	19.20' LT
4A	BL RAMP A RT - R.P.P.	0+51.38	22.00' LT
5A	BL RAMP A RT - R.P.P.	0+72.37	22.00' LT
6A	BL RAMP A RT - R.P.P.	0+74.05	23.95' LT
7A	BL RAMP A RT - R.P.P.	0+74.08	25.95' LT
8A	BL RAMP A RT - R.P.P.	0+73.19	27.00' LT
9A	BL RAMP A RT - R.P.P.	0+73.19	28.00' LT
10A	NBL R.P.P.	19+33.16	22.84' RT
11A	NBL R.P.P.	19+33.36	19.64' RT
12A	NBL R.P.P.	19+17.57	17.00' RT
13A	NBL R.P.P.	19+40.80	19.28' RT
14A	NBL R.P.P.	19+44.67	25.91' RT
15A	NBL R.P.P.	19+42.59	27.40' RT
16A	NBL R.P.P.	0+77.79	30.46' LT
17A	BL RAMP A RT - R.P.P.	0+79.07	25.83' LT
18A	BL RAMP A RT - R.P.P.	0+79.10	23.95' LT
19A	BL RAMP A RT - R.P.P.	0+80.19	22.00' LT
20A	BL RAMP A RT - R.P.P.	1+05.27	22.00' LT
21A	SBL R.P.P.	20+31.36	17.00' RT
22A	SBL R.P.P.	20+08.46	17.00' RT
23A	SBL R.P.P.	19+37.06	17.00' RT
24A	NBL R.P.P.	19+43.58	17.00' RT
25A	NBL R.P.P.	19+43.58	17.00' RT

CURVE DRCC046

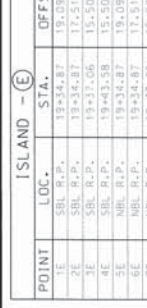
P.L. = 1+407.86
 Δ = 94° 18' 48.3" (LRT)
 D = 107.86' 41.8"
 L = 164.64'
 SE = 100.00'
 W = 0'

ISLAND - B

POINT	LDC.	STA.	OFFSET
1B	BL RAMP B LT - R.P.P.	1+08.36	24.00' RT
2B	BL RAMP B LT - R.P.P.	0+54.11	24.00' RT
3B	BL RAMP B RT - R.P.P.	0+34.07	19.20' LT
4B	BL RAMP B RT - R.P.P.	0+51.38	22.00' LT
5B	BL RAMP B RT - R.P.P.	0+72.37	22.00' LT
6B	BL RAMP B RT - R.P.P.	0+74.05	23.95' LT
7B	BL RAMP B RT - R.P.P.	0+74.08	25.95' LT
8B	BL RAMP B RT - R.P.P.	0+73.19	27.00' LT
9B	BL RAMP B RT - R.P.P.	0+73.19	28.00' LT
10B	NBL R.P.P.	19+33.16	22.84' RT
11B	NBL R.P.P.	19+33.36	19.64' RT
12B	NBL R.P.P.	19+17.57	17.00' RT
13B	NBL R.P.P.	19+40.80	19.28' RT
14B	NBL R.P.P.	19+44.67	25.91' RT
15B	NBL R.P.P.	19+42.59	27.40' RT
16B	NBL R.P.P.	0+77.79	30.46' LT
17B	BL RAMP B RT - R.P.P.	0+79.07	25.83' LT
18B	BL RAMP B RT - R.P.P.	0+79.10	23.95' LT
19B	BL RAMP B RT - R.P.P.	0+80.19	22.00' LT
20B	BL RAMP B RT - R.P.P.	1+05.27	22.00' LT
21B	SBL R.P.P.	20+31.36	17.00' RT
22B	SBL R.P.P.	20+08.46	17.00' RT
23B	SBL R.P.P.	19+37.06	17.00' RT
24B	NBL R.P.P.	19+43.58	17.00' RT
25B	NBL R.P.P.	19+43.58	17.00' RT

CURVE DRCC048

P.L. = 1+407.86
 Δ = 94° 18' 48.3" (LRT)
 D = 107.86' 41.8"
 L = 164.64'
 SE = 100.00'
 W = 0'



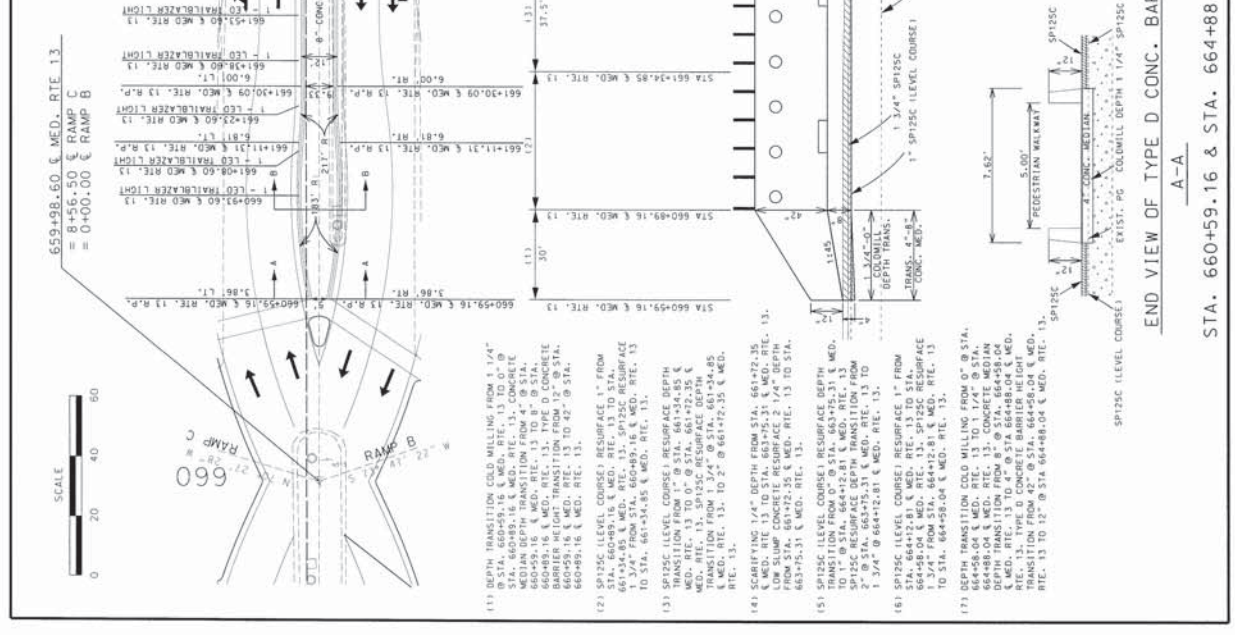
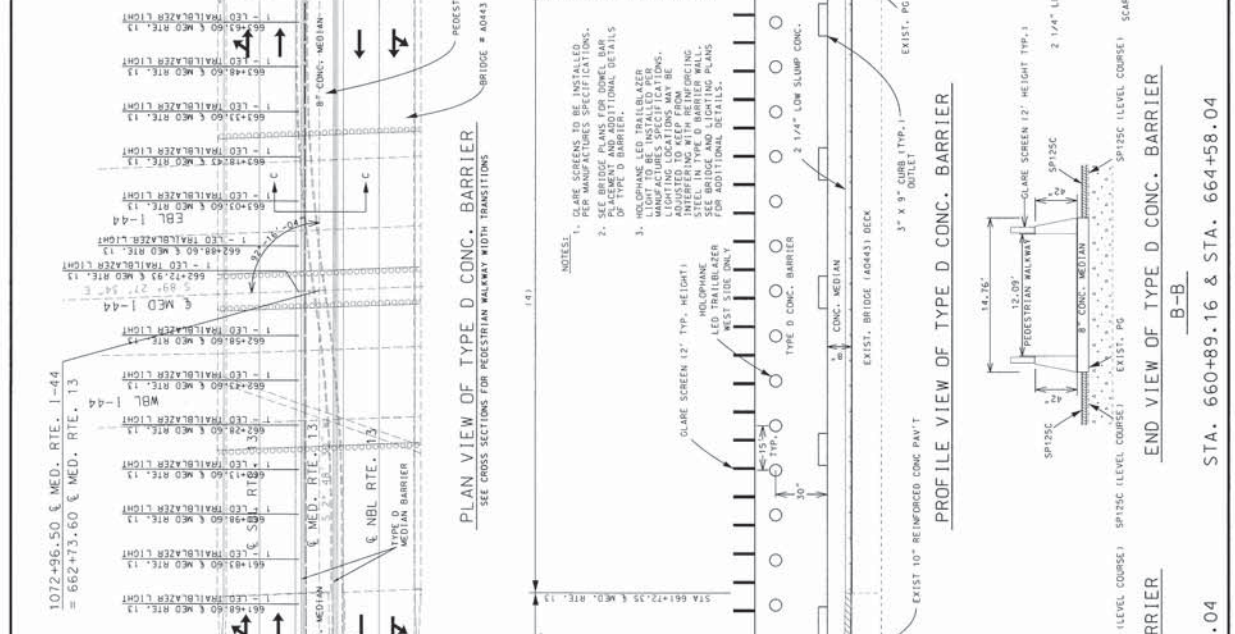
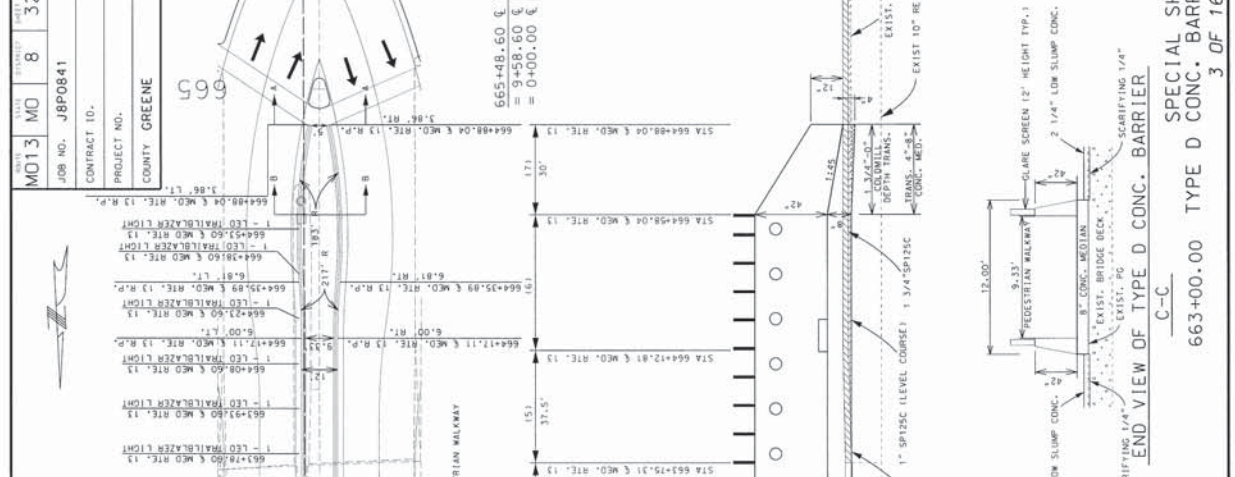
SPECIAL SHEET
 ISLAND DETAILS
 RAMP A & RAMP D/MO-13

2 OF 16

REFER TO PLAN SHEET 6

STATE OF MISSISSIPPI DEPARTMENT OF TRANSPORTATION	PROJECT NO. MD13 MO 8 32
JOB NO. J8P0841	CONTRACT NO. CONTRACT 10.
COUNTY GREENE	DESIGNED BY GREENE

THIS SHEET AND THE SHEETS REFERENCED HEREON ARE PART OF A CONTRACT UNDER WHICH THE CONTRACTOR HAS AGREED TO CONSTRUCT THE PROJECT DESCRIBED IN THE BIDDING DOCUMENTS.



1072+96.50 & MED. RTE. 13
= 662+73.60 & MED. RTE. 13

659+48.60 & MED. RTE. 13
= 8+56.50 & RAMP C
= 0+00.00 & RAMP B

664+88.04 & MED. RTE. 13
= 9+58.60 & RAMP A
= 0+00.00 & RAMP D

1072+96.50 & MED. RTE. 13
= 662+73.60 & MED. RTE. 13

660+89.16 & STA. 664+88.04

660+59.16 & STA. 664+88.04

664+88.04 & MED. RTE. 13
= 9+58.60 & RAMP A
= 0+00.00 & RAMP D

664+88.04 & MED. RTE. 13
= 9+58.60 & RAMP A
= 0+00.00 & RAMP D

SPECIAL SHEET
TYPE D CONC. BARRIER DETAIL
3 OF 16

663+00.00 TYPE D CONC. BARRIER
C-C

660+59.16 & STA. 664+88.04
B-B

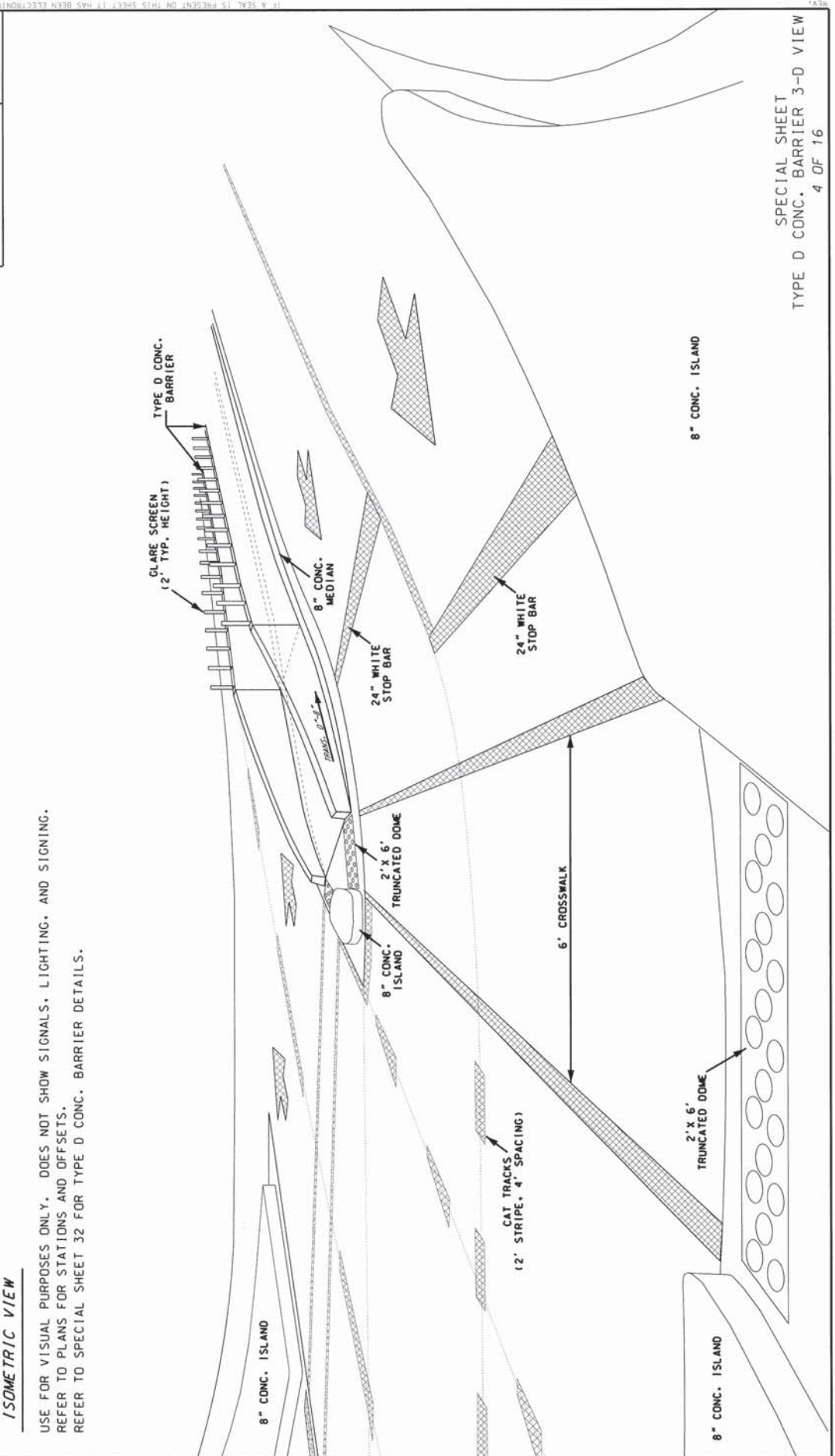
660+59.16 & STA. 664+88.04
A-A

STATE OF MISSISSIPPI CONTRACT NUMBER JOB NO. J8P0841	PROJECT NO.	CONTRACT ID.	COUNTY GREENE
MO 13	MO 8	33	

NOT TO SCALE

ISOMETRIC VIEW

USE FOR VISUAL PURPOSES ONLY. DOES NOT SHOW SIGNALS, LIGHTING, AND SIGNING. REFER TO PLANS FOR STATIONS AND OFFSETS. REFER TO SPECIAL SHEET 32 FOR TYPE D CONC. BARRIER DETAILS.



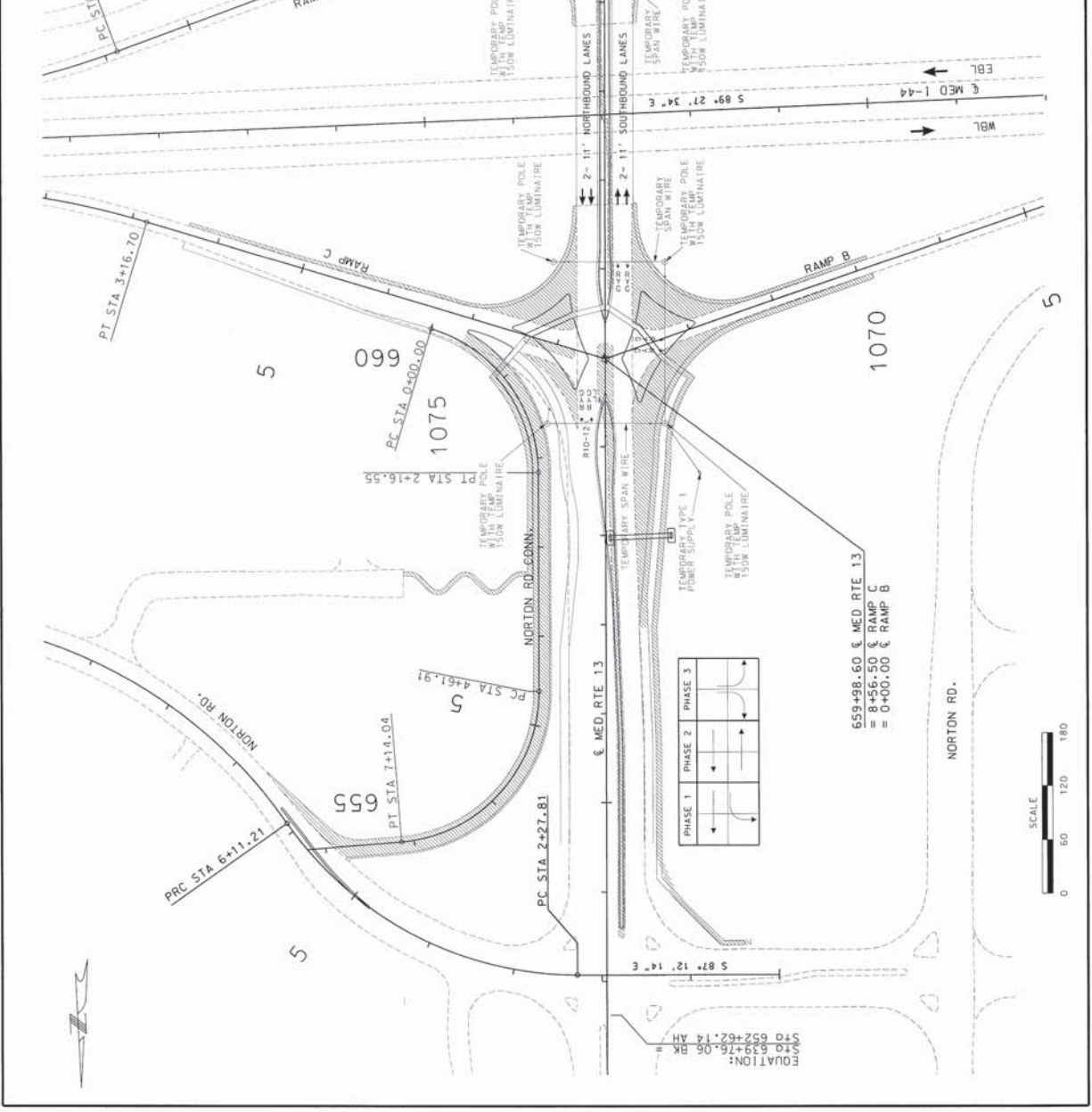
SPECIAL SHEET
TYPE D CONC. BARRIER 3-D VIEW
4 OF 16

COUNTY: GREENE
 PROJECT NO.:
 CONTRACT ID.: J8P0841
 JOB NO.: MO13 MD 8 47
 DATE:

STATE OF MISSISSIPPI
 ENGINEERING
 NUMBER
 REGISTERED
 PROFESSIONAL
 ENGINEER
 LICENSE NO. 1000000000

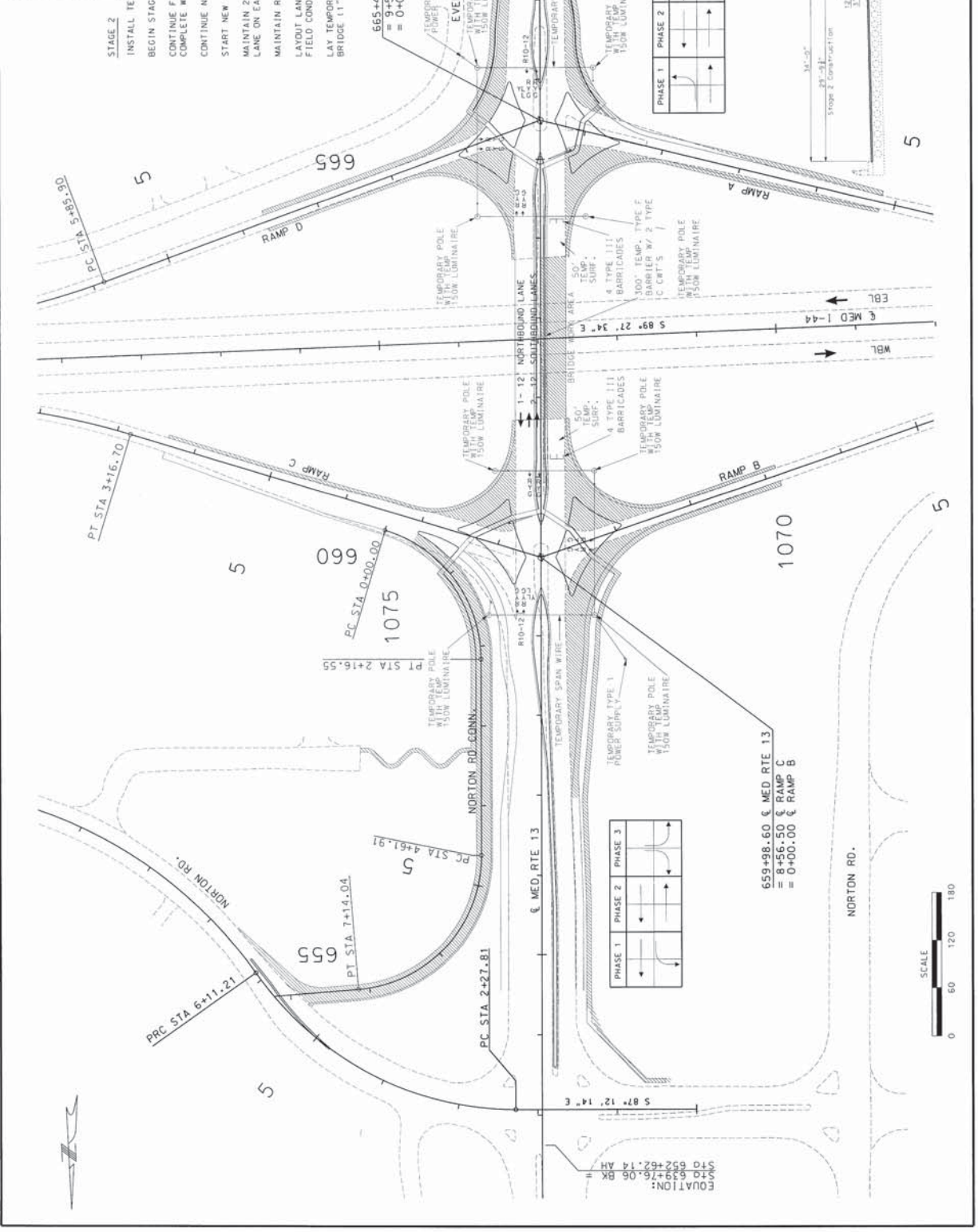
STAGE 1
 INSTALL TEMPORARY SIGNALS/REMOVE EXISTING SIGNALS.
 TEMPORARY STOP BARS SHALL BE A MINIMUM OF 40'
 FROM THE TEMPORARY SIGNAL HEAD AND A MAXIMUM OF 150'.
 CONTRACTOR RESPONSIBLE FOR SIGNAL TIMING
 AND PHASING SIGNALS, AS APPROVED
 BY THE ENGINEER.

INSTALL CHANNELIZERS FOR REMOVAL OF EXISTING
 MEDIAN STRIPS/ISLANDS ON ROUTE 13, BRIDGE & RAMP.
 CONSTRUCT NECESSARY FULL DEPTH PAVEMENT UNDER
 MEDIAN STRIPS/ISLANDS AS DETERMINED BY THE ENGINEER.
 START FULL DEPTH WIDENING ALONG ROUTE 13 & RAMP.
 INCLUDING C&G, SHOULDERS, & SIDEWALKS.
 CONSTRUCT TRUSS FOOTING IN MEDIAN
 START NORTON ROAD CONNECTION.
 MAINTAIN 2-11' SOUTHBOUND LANES & 2-11' NORTHBOUND
 LANES.
 MAINTAIN RAMP TURNING MOVEMENT.
 665+48.60 & MED. RTE 13
 = 9+58.60 & RAMP A
 = 0+00.00 & RAMP D



STATE OF MISSISSIPPI	DATE: MO 13	TIME: 8:48
CONTRACT NO. JBP0841	JOB NO. JBP0841	
PROJECT NO.	CONTRACT ID.	
COUNTY: GREENE	PROJECT NO.	

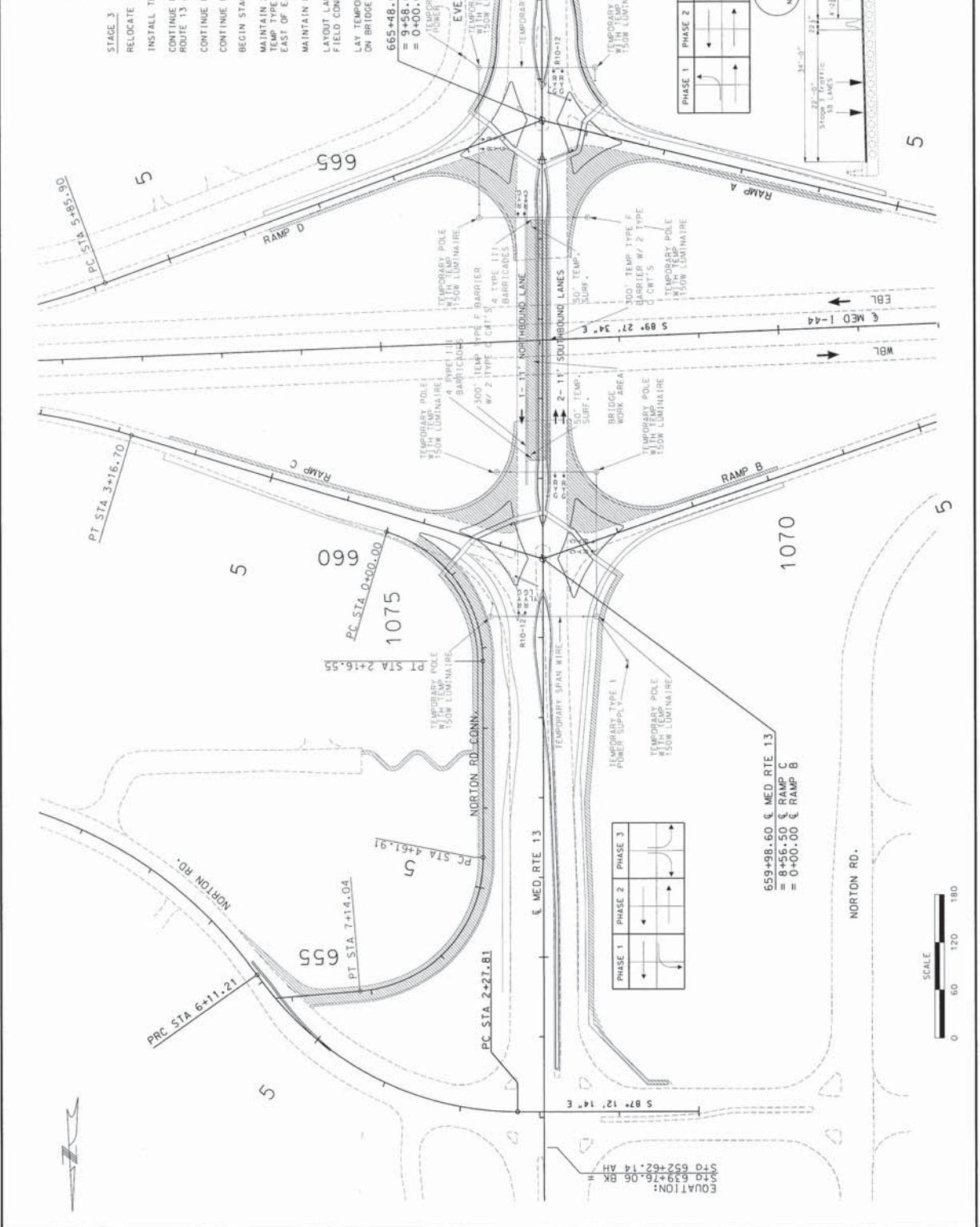
STAGE 2
 INSTALL TEMP. TYPE F BARRIER W/ 2 TYPE C CRT'S.
 BEGIN STAGE 2 BRIDGE WORK.
 CONTINUE FULL DEPTH WIDENING ON ROUTE 13 & RAMP A.
 COMPLETE WIDENING TO OUTSIDE OF RAMP A.
 CONTINUE NORTON ROAD CONNECTION.
 START NEW SIGNAL BASES AWAY FROM RAMP TRAFFIC.
 MAINTAIN 2-12' SOUTHBOUND LANES & 1-12' NORTHBOUND LANE ON EAST SIDE OF TEMP. TYPE F BARRIER.
 MAINTAIN RAMP TURNING MOVEMENTS.
 LAYOUT LANE SHIFTS WITH CHANNELIZERS TO FIT EXISTING FIELD CONDITIONS AS APPROVED BY ENGINEER.
 LAY TEMPORARY SURFACING TO WEDGE FOR LOW SLUMP ON BRIDGE (11"/25").

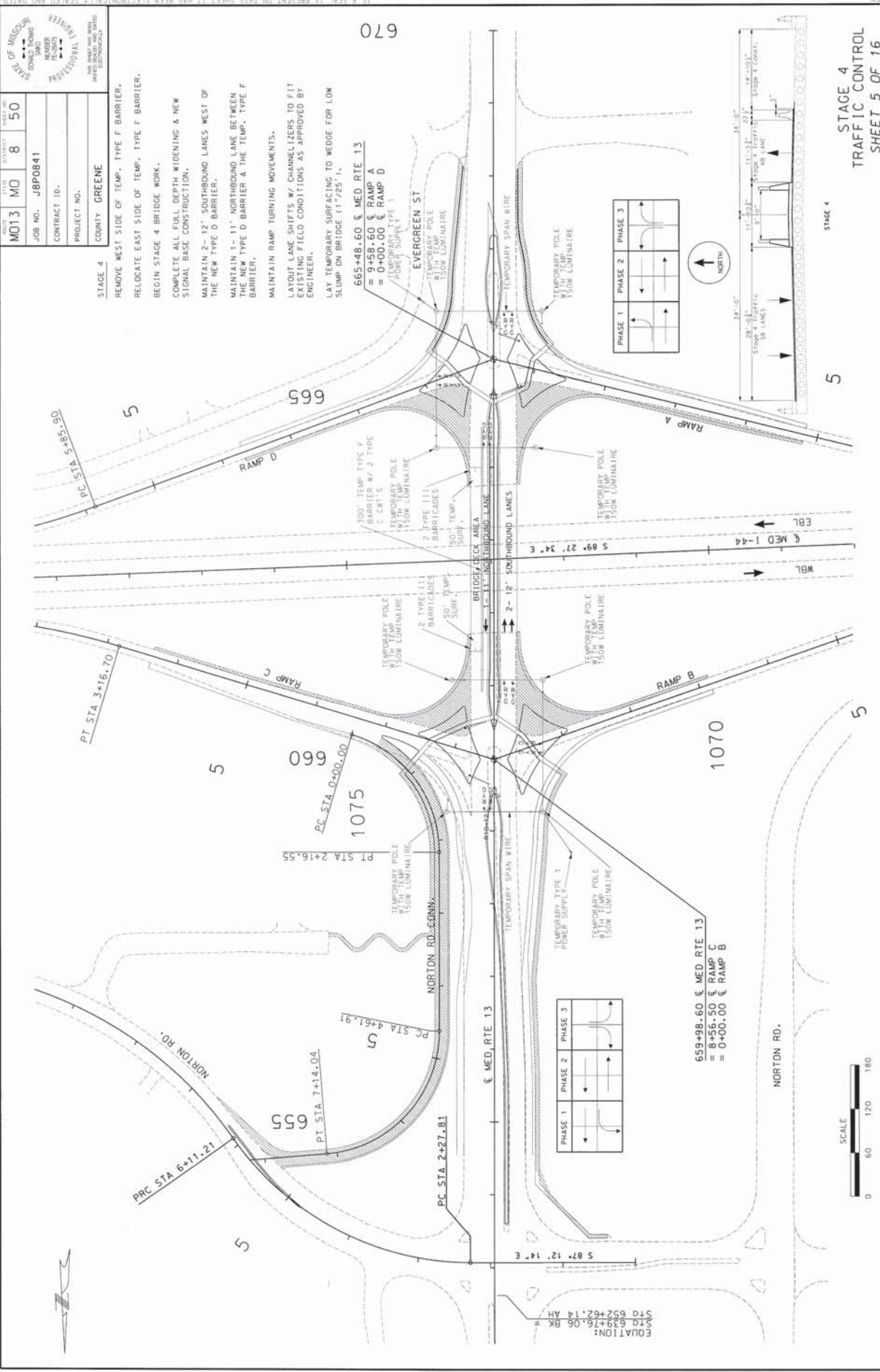


STAGE 2
TRAFFIC CONTROL
SHEET 3 OF 16

STATE OF MISSISSIPPI	CITY OF JACKSON
MO-13	MO 8 49
JOB NO. J8P0841	
CONTRACT ID.	
PROJECT NO.	
COUNTY GREENE	

STAGE 3
 RELOCATE TEMP. TYPE F BARRIER ON WEST SIDE.
 INSTALL TEMP. TYPE F BARRIER ON EAST SIDE.
 CONTINUE FULL DEPTH WIDENING TO THE INSIDE OF RODEE 13 & RAMP D.
 CONTINUE NEW SIGNAL BASE CONSTRUCTION.
 CONTINUE NORTON ROAD CONNECTION.
 BEGIN STAGE 3 BRIDGE WORK & TYPE D BARRIER WORK.
 MAINTAIN 2'-11" SOUTHBOUND LANES WEST OF WEST TEMP TYPE BARRIER & 1'-11" NORTHBOUND LANE EAST OF EAST TEMP TYPE F BARRIER.
 MAINTAIN RAMP TURNING MOVEMENTS.
 LAYOUT LANE SHIFTS W/ CHANNELIZERS TO FIT EXISTING FIELD CONDITIONS AS APPROVED BY ENGINEER.
 LAY TEMPORARY SURFACING TO WEDGE FOR LOW SLUMP ON BRIDGE (11'-25'1").





STATE OF MISSOURI DONALD W. THOMAS REGISTERED PROFESSIONAL ENGINEER 11212 SHREVE BLVD. SUITE 200 ST. LOUIS, MO 63141	DATE: MO 13 8 50 JOB NO.: J8P0841 CONTRACT ID.: PROJECT NO.:
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STAGE 4
 REMOVE WEST SIDE OF TEMP. TYPE F BARRIER.
 RELOCATE EAST SIDE OF TEMP. TYPE F BARRIER.
 BEGIN STAGE 4 BRIDGE WORK.
 COMPLETE ALL FILL DEPTH WIDENING & NEW SIGNAL BASE CONSTRUCTION.
 MAINTAIN 2-12" SOUTHBOUND LANES WEST OF THE NEW TYPE D BARRIER.
 MAINTAIN 1-11" NORTHBOUND LANE BETWEEN THE NEW TYPE D BARRIER & THE TEMP. TYPE F BARRIER.
 MAINTAIN RAMP TURNING MOVEMENTS.
 LAYOUT LANE SHIFTS W/ CHANNELIZERS TO FIT EXISTING FIELD CONDITIONS AS APPROVED BY ENGINEER.
 LAY TEMPORARY SURFACING TO WEDGE FOR LOW SLUMP ON BRIDGE (11'725' 1).

665+48.60 & MED. RTE. 13
 = 9+58.60 & RAMP A
 = 0+00.00 & RAMP D

659+98.60 & MED. RTE. 13
 = 8+56.50 & RAMP C
 = 0+00.00 & RAMP B

STAGE 4
 TRAFFIC CONTROL
 SHEET 5 OF 16

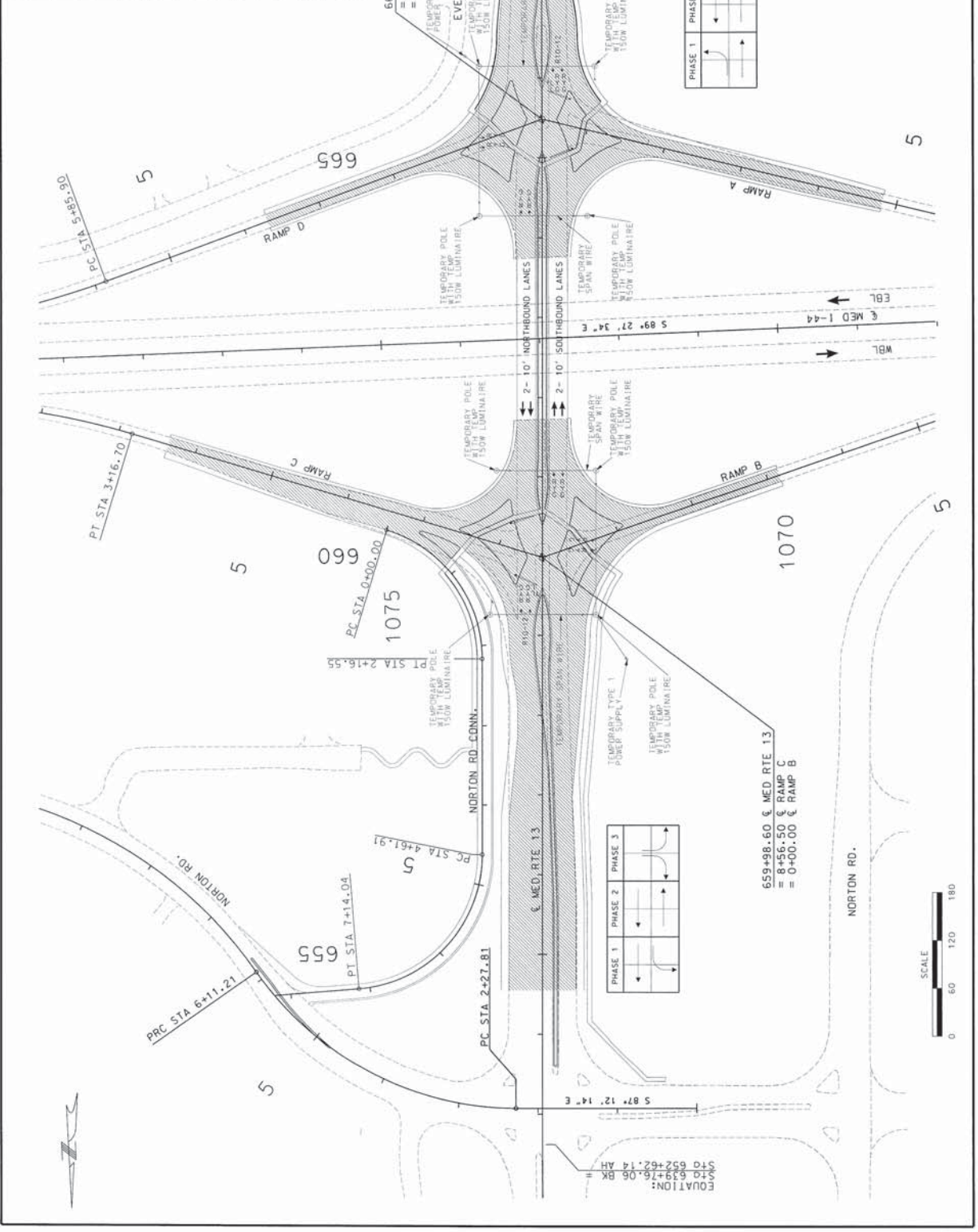


EQUATION:
 SIG 639+76.06 BK
 STG 652+62.14 AH

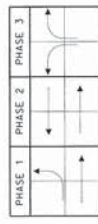
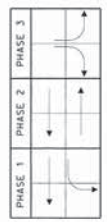
STATE OF MISSISSIPPI EDMUND P. THOMAS REGISTERED PROFESSIONAL ENGINEER NO. 10051 1000 W. GARDNER AVE., SUITE 100 MEMPHIS, TN 38117	PROJECT NO. GREENE	CONTRACT ID. JBP0841	DATE MO 8 51	SHEET NO. 8	TOTAL SHEETS 51
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STAGE 5
BRIDGE IS COMPLETE.
WIDENING & SHOULDERS ARE COMPLETE.
NORTON ROAD IS COMPLETE.
REMOVE TEMP. TYPE F BARRIER.
REMOVE TEMP. SURFACING @ BRIDGE ENDS.
ASPHALT OVERLAY ON ROUTE 13 & RAMP.
CONTINUE INSTALLING NEW SIGNALS & LIGHTING.
MAINTAIN 2-10' NORTHBOUND LANES & 2-10' SOUTHBOUND LANES, EXCEPT FOR SHORT TIME PERIODS NECESSARY FOR OVERLAY WORK.
MAINTAIN RAMP TURNING MOVEMENTS, EXCEPT FOR SHORT TIME PERIODS NECESSARY FOR OVERLAY WORK.

670



STAGE 5
TRAFFIC CONTROL
SHEET 6 OF 16

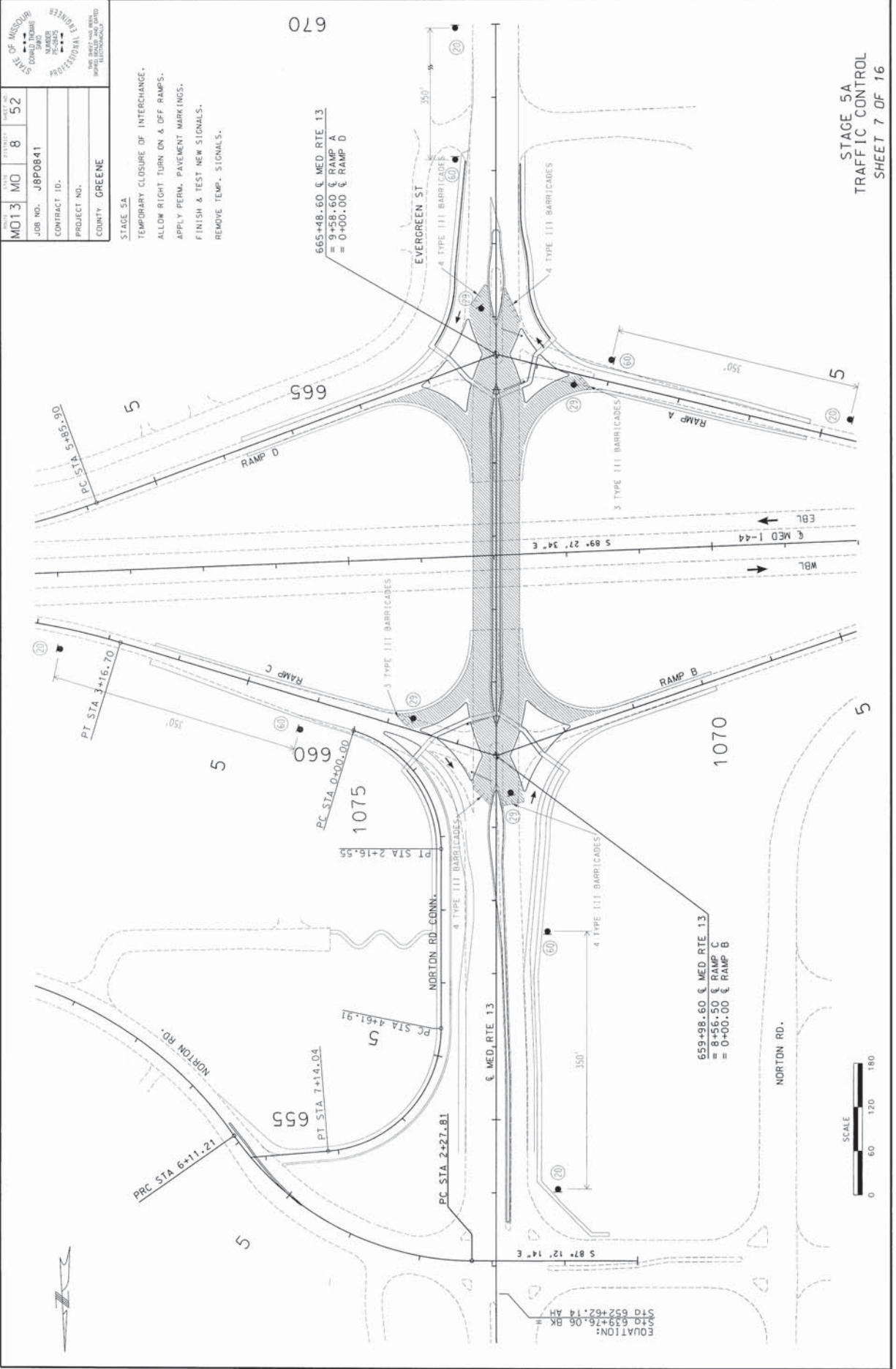


ELEVATION:
STG 639+76.06 BK =
STG 652+62.14 AH =

STATE OF MISSOURI COMPTROLLER REVENUE DIVISION ENGINEERS	PROJECT NO. MO13 MO 8 52
JOB NO. J8P0841	CONTRACT ID.
PROJECT NO.	COUNTY: GREENE

STAGE 5A
 TEMPORARY CLOSURE OF INTERCHANGE.
 ALLOW RIGHT TURN ON & OFF RAMP.
 APPLY PERM. PAVEMENT MARKINGS.
 FINISH & TEST NEW SIGNALS.
 REMOVE TEMP. SIGNALS.

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



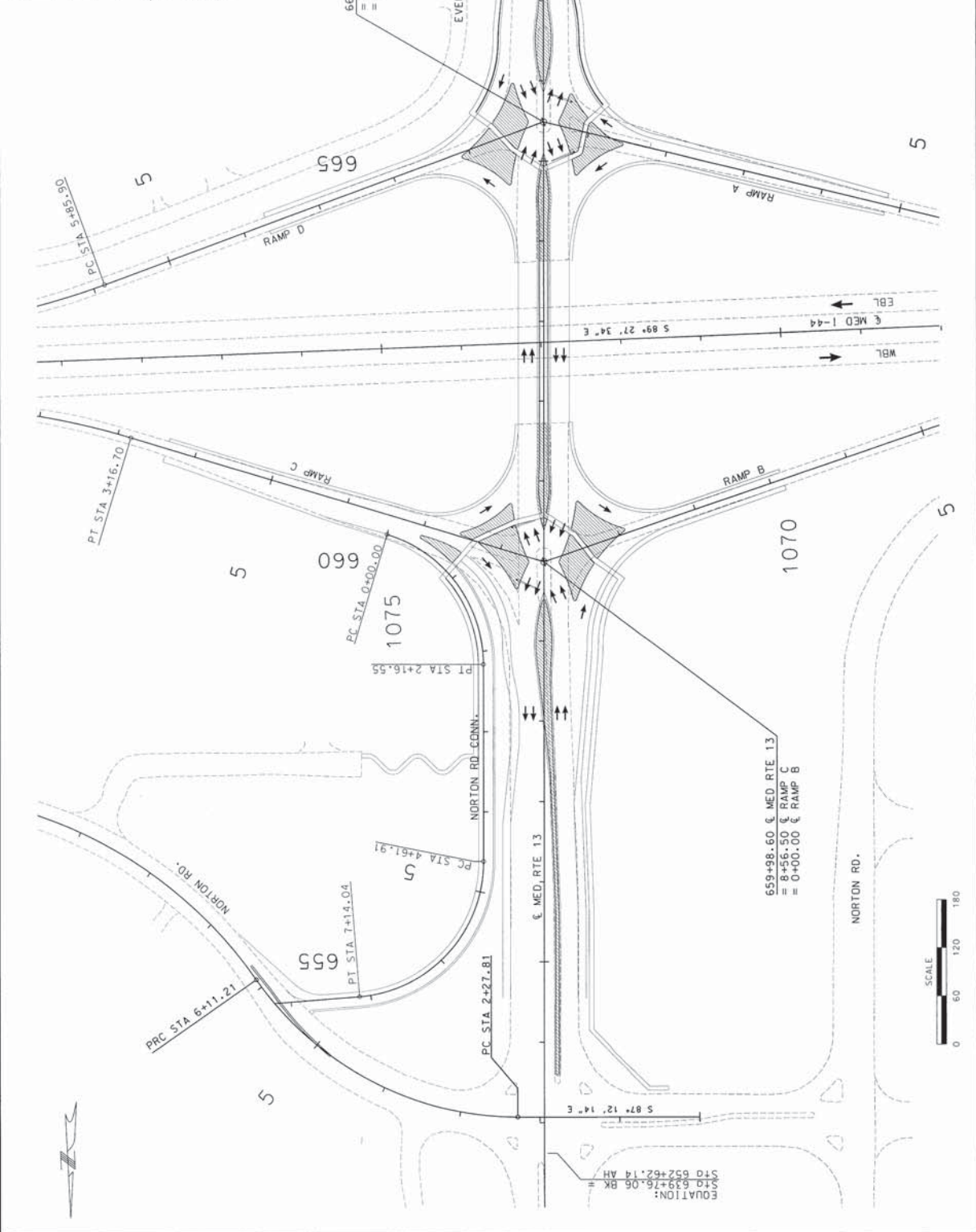
STAGE 5A
 TRAFFIC CONTROL
 SHEET 7 OF 16

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

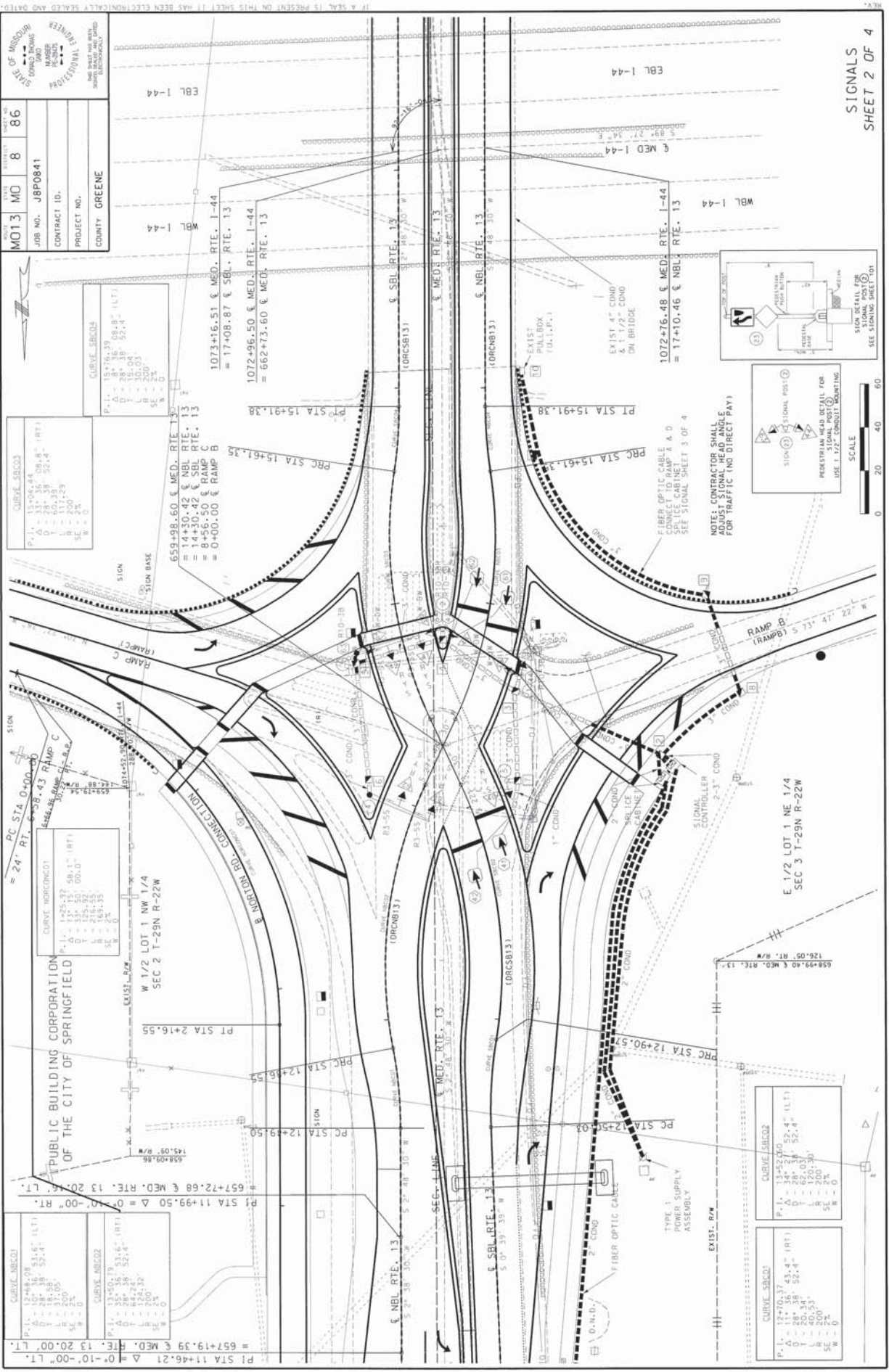
REV.

STATE OF MISSISSIPPI DIVISION OF TRANSPORTATION DESIGN DIVISION	PROJECT NO. JBP0841	DATE 08/16/16	SHEET NO. 53
CONTRACT ID.	PROJECT NO.	COUNTY: GREENE	

STAGE 6
 SWITCH TRAFFIC TO OLD CONFIGURATION.
 USE CHANNELIZERS TO DELINEATE ISLANDS &
 MEDIAN STRIPS AS NECESSARY.
 FINISH ISLANDS, MEDIAN STRIPS, & TYPE D
 BARRIER WALL.



STAGE 6
 TRAFFIC CONTROL
 SHEET 8 OF 16



MO13 MO 8 86
 JOB NO. J8P0841
 CONTRACT ID.
 PROJECT NO.
 COUNTY GREENE

CURVE SBC03
 P.I. 13+02.44
 P.L. 12+16.38
 P.T. 13+88.50
 Δ 28° 38' 52.4"
 L 140.33'
 R 200.00'
 SE 2° 00' 00"
 W 0° 00' 00"

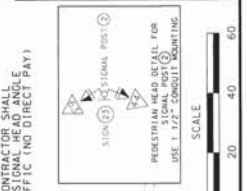
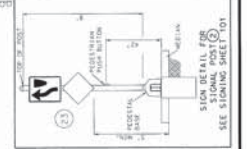
CURVE SBC04
 P.I. 18+76.39
 P.L. 17+38.38
 P.T. 19+14.71
 Δ 28° 38' 52.4"
 L 140.33'
 R 200.00'
 SE 2° 00' 00"
 W 0° 00' 00"

CURVE SBC01
 P.I. 12+70.37
 P.L. 11+36.37
 P.T. 14+05.37
 Δ 34° 27' 52.4"
 L 120.31'
 R 200.00'
 SE 2° 00' 00"
 W 0° 00' 00"

CURVE SBC02
 P.I. 13+42.60
 P.L. 12+04.60
 P.T. 15+47.20
 Δ 28° 38' 52.4"
 L 140.33'
 R 200.00'
 SE 2° 00' 00"
 W 0° 00' 00"

SIGNALS
SHEET 2 OF 4

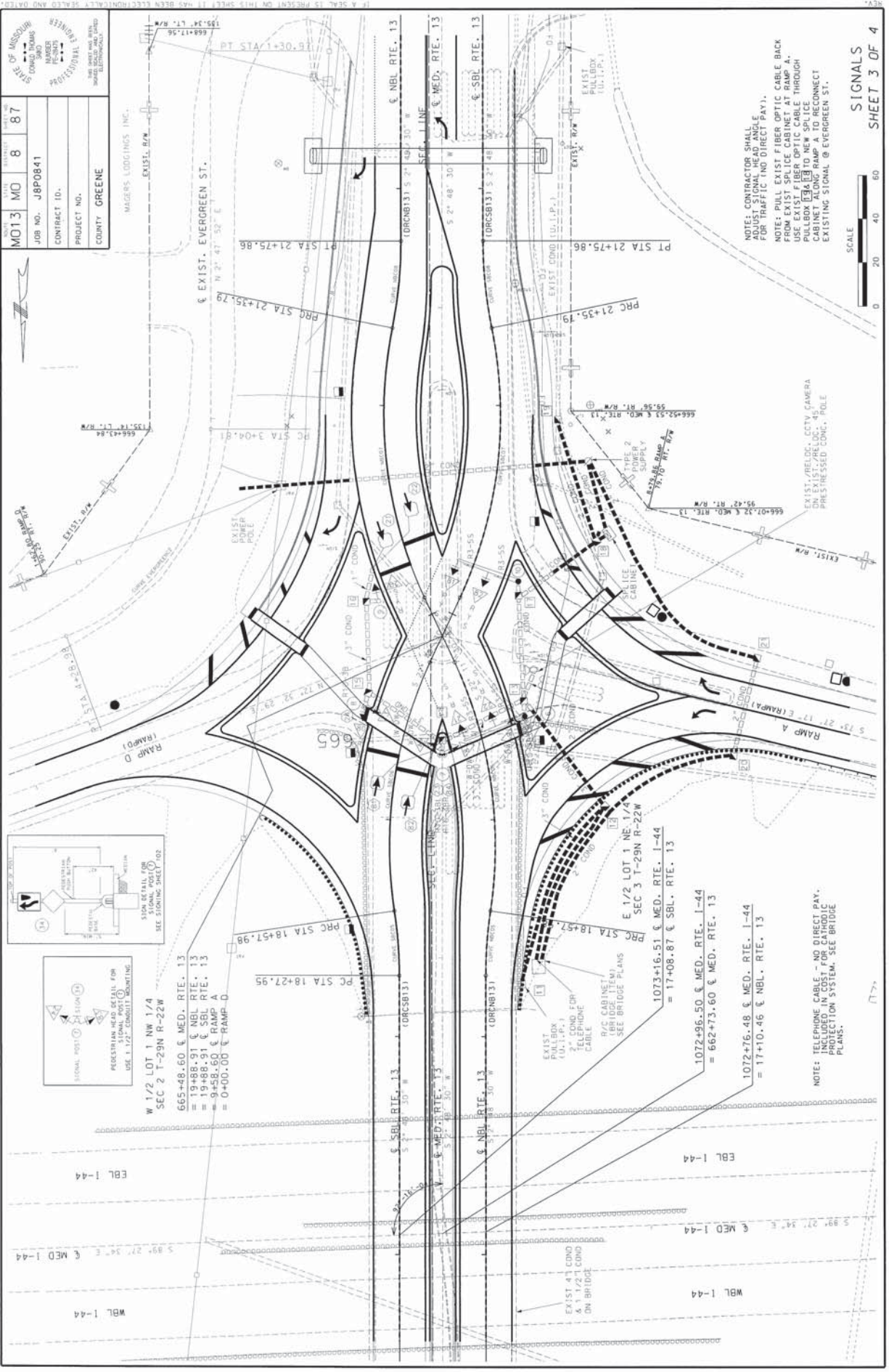
SCALE
0 20 40 60



FIBER OPTIC CABLE
 CONNECT TO RAMP A & D
 SEE SIGNAL SHEET 3 OF 4

NOTES: CONTRACTOR SHALL
 VERIFY SIGNAL HEAD ASSEMBLY
 FOR TRAFFIC (NO DIRECT PAY)

E 1/2 LOT 1 NW 1/4
 SEC 2 T-29N R-22W



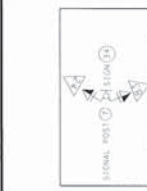
STATE OF MISSISSIPPI	PROJECT NO.	MO 13	MO 8	87
CONTRACT NO.	JOB NO.	JBP0841		
PROJECT NO.	CONTRACT ID.			
COUNTY	GREENE			

MAGERS, LODDINGS, INC.
 ENGINEERS
 1100 SOUTH MAIN STREET
 SUITE 100
 GREENE COUNTY, MISSISSIPPI 39042

NOTE: CONTRACTOR SHALL ADJUST SIGNAL HEAD ANGLE FOR TRAFFIC AND DIRECT PAY.
 NOTE: PULL EXIST FIBER OPTIC CABLE BACK FROM EXIST SPLICE CABINET AT RAMP A. USE EXIST FIBER OPTIC CABLE THROUGH PULLBOX TO NEW SPLICE CABINET. PULL EXIST FIBER OPTIC CABLE FROM EXISTING SIGNAL @ EVERGREEN ST.



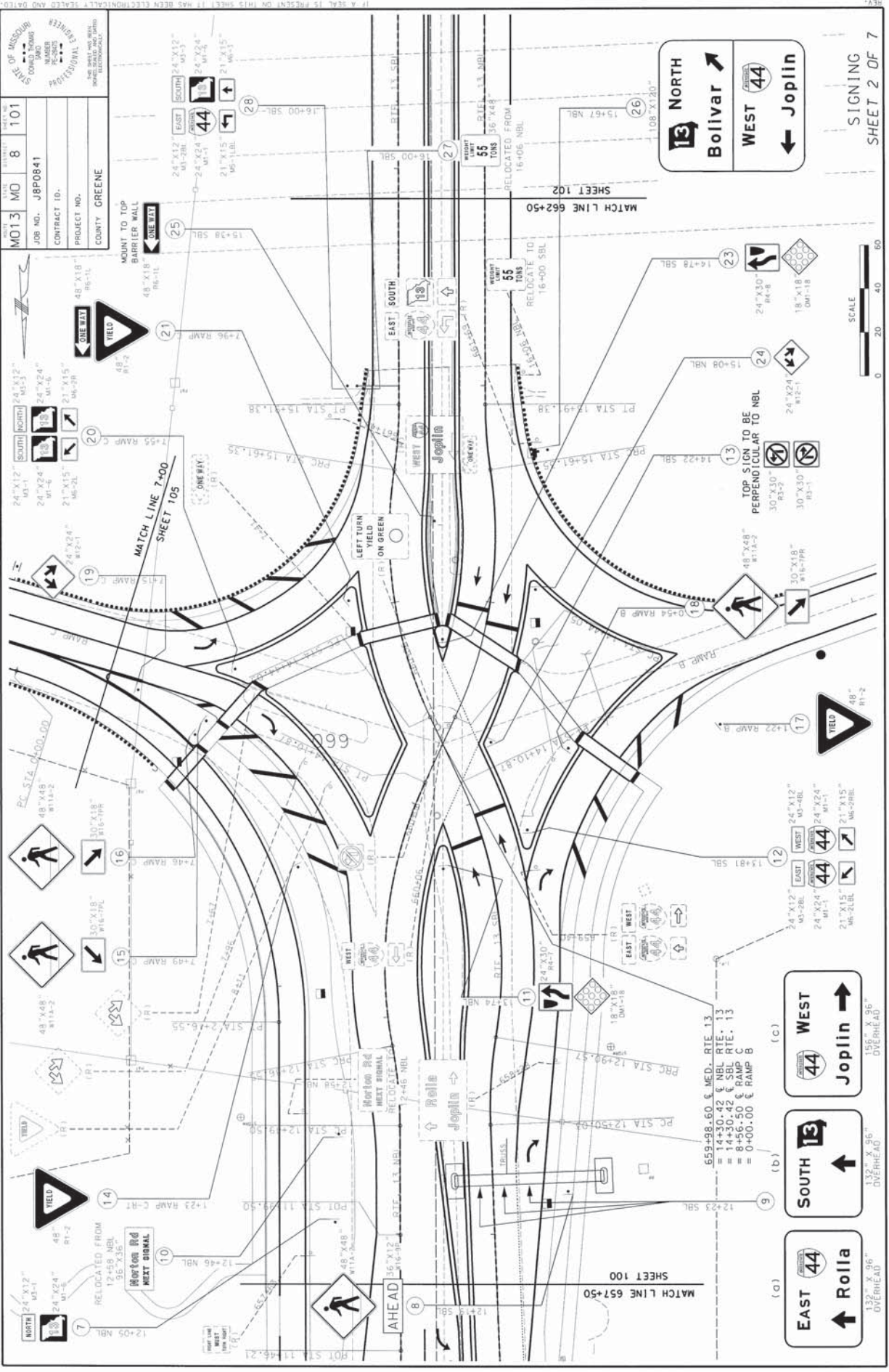
SIGNALS
 SHEET 3 OF 4

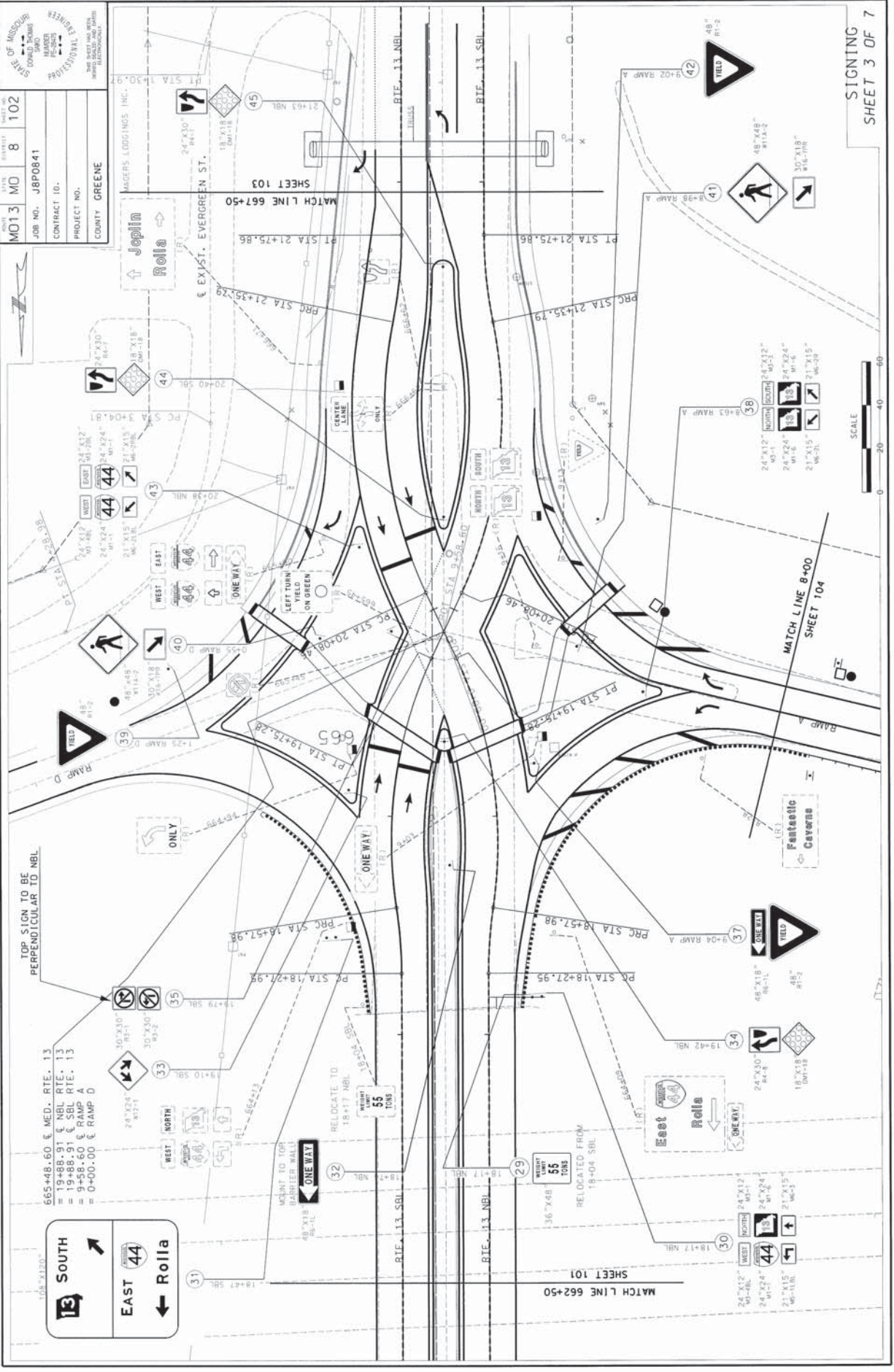


W 1/2 LOT 1 NW 1/4
 SEC 2 T-29N R-22W
 665+48.60 € MED. RTE. 13
 = 19+88.91 € NBL RTE. 13
 = 19+88.91 € SBL RTE. 13
 = 9+58.60 € RAMP A
 = 0+00.00 € RAMP D

E 1/2 LOT 1 NE 1/4
 SEC 3 T-29N R-22W
 1073+16.51 € MED. RTE. 1-44
 = 17+08.87 € SBL. RTE. 13
 1072+96.50 € MED. RTE. 1-44
 = 662+73.60 € MED. RTE. 13
 1072+76.48 € MED. RTE. 1-44
 = 17+10.46 € NBL. RTE. 13

NOTE: TELEPHONE CABLE - NO DIRECT PAY. INCLUDED IN COST FOR CATHODIC PROTECTION SYSTEM. SEE BRIDGE PLANS.





STATE OF MISSOURI
 COUNTY OF HOWARD
 PROJECT NO. J8P0841
 CONTRACT ID. J8P0841
 COUNTY GREENE
 PROJECT NO. J8P0841
 COUNTY GREENE

SHEET 101
 MATCH LINE 662+50
 SHEET 103
 MATCH LINE 667+50
 SHEET 104
 MATCH LINE 8+00

665+48.60 & MED. RTE. 13
 = 19+48.91 & NBL RTE. 13
 = 19+88.91 & SBL RTE. 13
 = 9+58.60 & RAMP A
 = 0+00.00 & RAMP D

TOP SIGN TO BE PERPENDICULAR TO NBL

RELOCATE TO TOP BARRIER WALL
 48"X18" 86-11L
 ONE WAY

RELOCATE TO 18+17 NBL
 55 TONS
 WEIGHT LIMIT

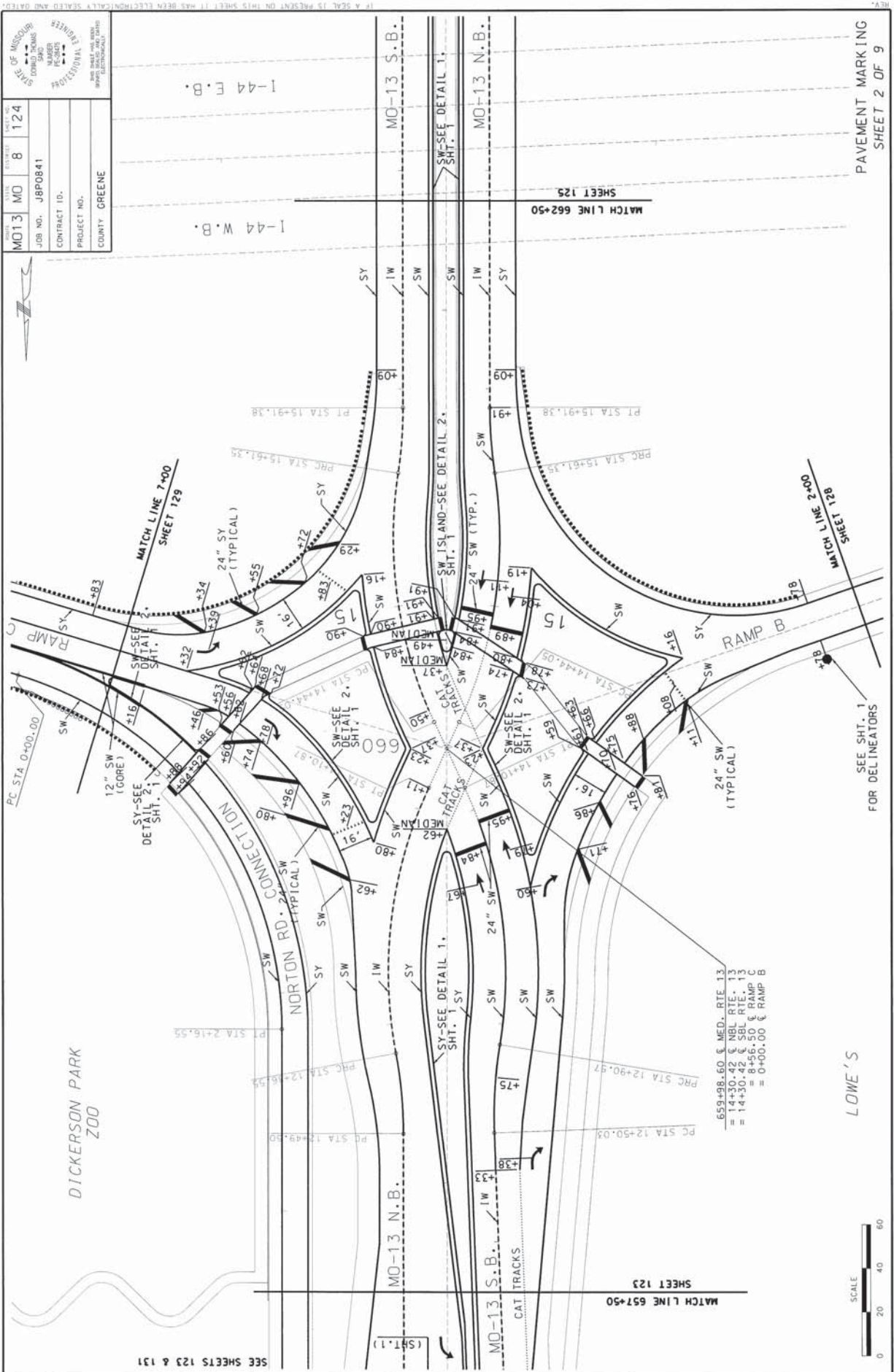
RELOCATED FROM 18+04 SBL
 55 TONS
 WEIGHT LIMIT

665+48.60 & MED. RTE. 13
 = 19+48.91 & NBL RTE. 13
 = 19+88.91 & SBL RTE. 13
 = 9+58.60 & RAMP A
 = 0+00.00 & RAMP D

SOUTH
 EAST 44
 West
 Rolla

SIGNING
 SHEET 3 OF 7

SCALE
 0 20 40 60



DATE MO13 MO	DRAWN BY MO	SCALE 8	SHEET NO. 124
JOB NO. JBPO841		PROJECT NO.	
CONTRACT ID.		COUNTY GREENE	



-659+98.60 & MED. RTE. 13
 = 14+30.42 & NBL RTE. 13
 = 14+30.42 & SBL RTE. 13
 = 8+56.50 & RAMP B
 = 0+00.00 & RAMP C



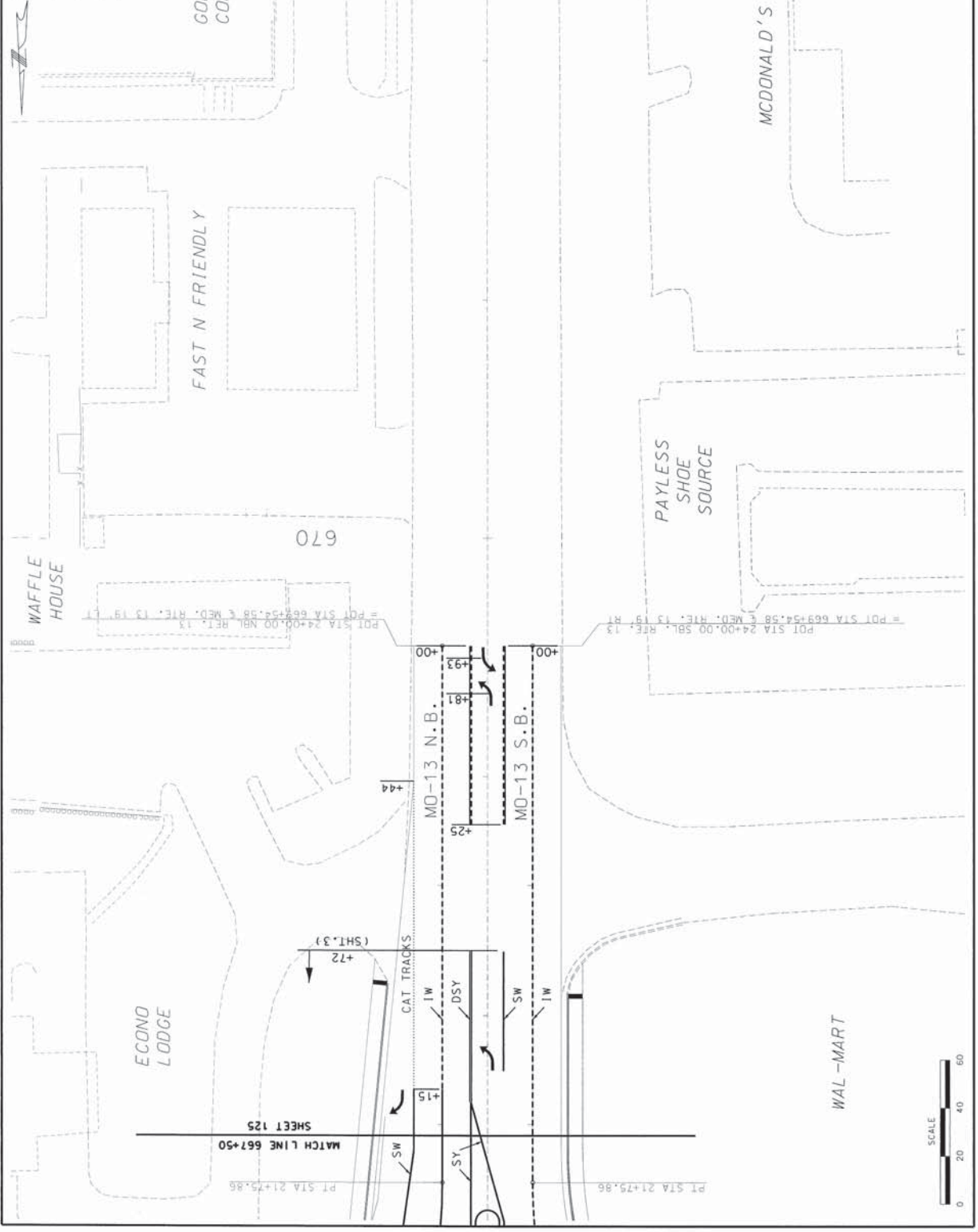
LOWE'S

SEE SHT. 1
FOR DELINEATORS

PAVEMENT MARKING
SHEET 2 OF 9

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

DATE	MO	DAY	YEAR
MO13	MO	8	126
JOB NO. J8P0841			
CONTRACT NO.			
PROJECT NO.			
COUNTY GREENE			



PAVEMENT MARKING
SHEET 4 OF 9

Appendix B:

Sample Set of Plans for I-270 and Dorsett Rd
(Maryland Heights)

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION PLANS FOR PROPOSED STATE HIGHWAY

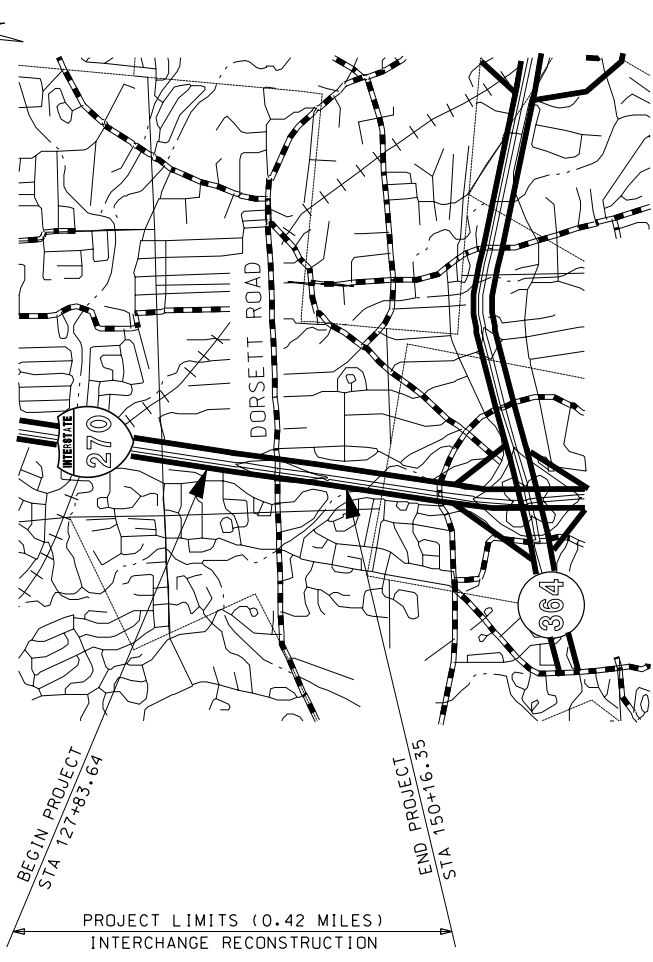
ST. LOUIS COUNTY T 46 N - R 5 E

DESIGN DESIGNATION

1-270	DORSETT
A.D.T. - 2009 = 172,000	A.D.T. - 2009 = 46,000
A.D.T. - 2029 = 190,000	A.D.T. - 2029 = 51,000
D.H.V. = 17%	D.H.V. = 17%
T = 10.0%	T = 10.0%
V = 60 M.P.H.	V = 35 M.P.H.

FUNCTIONAL CLASSIFICATION: INTERSTATE & MINOR ARTERIAL

**NO NEW
RIGHT OF WAY
SHALL BE REQUIRED
FOR THIS PROJECT**



NOT TO SCALE

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (TS) (5 SHEETS)	2
QUANTITIES (QU) (10 SHEETS)	3
PLAN-PROFILE (PP)	4-16
RIGHT OF WAY (RW)	XX-XX
REFERENCE POINTS (RP)	17
COORDINATE POINTS (CP)	17A-17B
SPECIAL SHEETS (SS)	18-25
TRAFFIC CONTROL SHEETS (TC)	26-44
EROSION CONTROL SHEETS (EC)	45
LIGHTING (LT)	46
SIGNALS (SG)	47-55
STONING (SN)	56-68
PAVEMENT MARKING (PM)	69-70
CULVERT SECTIONS (CS)	71-78
AESTHETIC ENHANCEMENTS (AE)	E1-E54
BRIDGE DRAWINGS (B)	
A7659	XX-XX
A7659T	XX-XX
A7703	XX-XX
A7704	XX-XX
CROSS SECTIONS (XS)	1-66

LENGTH OF PROJECT

BEGINNING OF PROJECT I-270	STA. 127+83.64
END OF PROJECT I-270	STA. 150+16.35
APPARENT LENGTH I-270	2232.71 FEET
EQUATIONS AND EXCEPTIONS:	NONE
NET LENGTH OF PROJECT I-270	2232.71 FEET
STATE LENGTH I-270	0.42 MILES
TOTAL STATE LENGTH	0.42 MILES

STATE OF MISSOURI
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS


DATE PREPARED: 4/8/2009
ROUTE: I-270
PROJECT NO.: 6
COUNTY: ST. LOUIS
JOB NO.: J611830B
CONTRACT ID:

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6963)

NOTE: STORM WATER MANAGEMENT FOR THIS PROJECT IS PER THE MODNR/MODOT PERMIT NO. MO-RO40063 DATED AUGUST 4, 2006
ALL STRUCTURES AND PIPES ARE MODOT OWNED UNLESS OTHERWISE NOTED

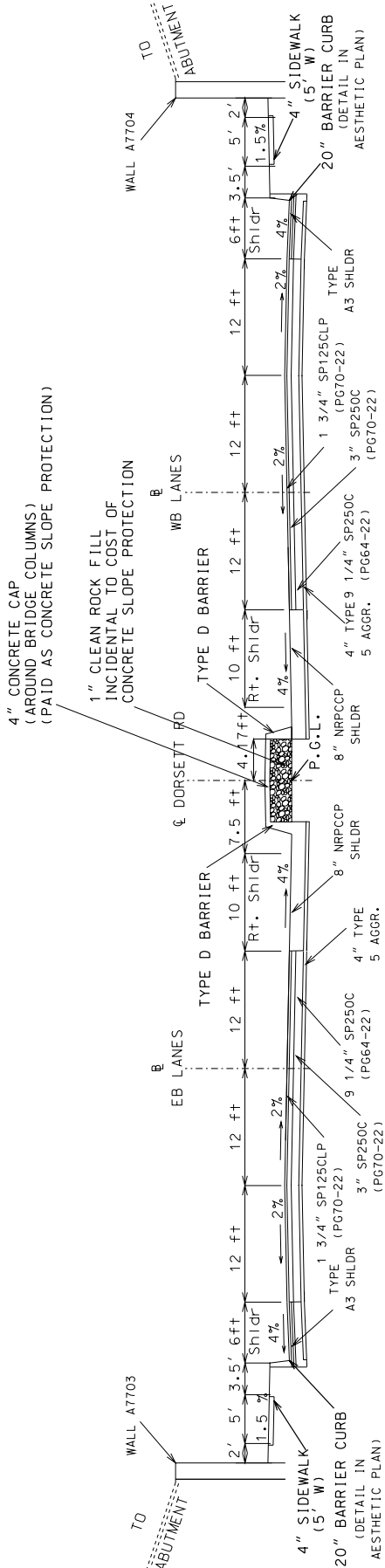
STATE OF MISSOURI DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS	DATE PREPARED 4/8/2009
DATE 4/8/2009	STATE MO
PROJECT NO. J611830B	DISTRICT 6
CONTRACT ID. ST. LOUIS	COUNTY 2
PROJECT NO.	
BRIDGE NO.	
DESCRIPTION	
DATE	

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



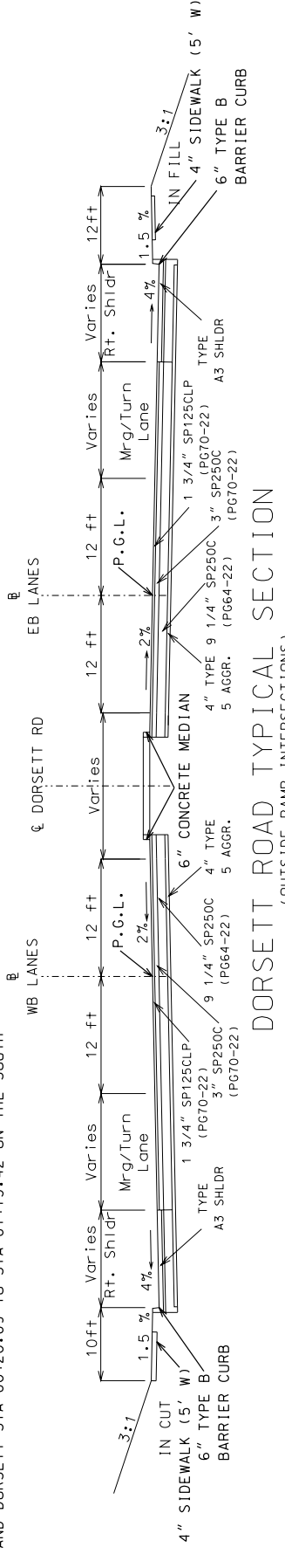
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TYPICAL SECTIONS
SHEET 2 OF 5



DORSETT ROAD TYPICAL SECTION
(UNDER BRIDGE)
STA 79+72.62 TO STA 82+84.08

NOTE: SIDEWALKS UNDER BRIDGE
DETAILED IN ENHANCEMENT PLANS FROM
DORSETT STA 80+46.23 TO STA 81+98.77 ON THE NORTH
AND DORSETT STA 80+20.89 TO STA 81+73.42 ON THE SOUTH



DORSETT ROAD TYPICAL SECTION
(OUTSIDE RAMP INTERSECTIONS)
STA 76+01.34 TO 79+72.62

NOTE: SIDEWALKS UNDER BRIDGE
DETAILED IN ENHANCEMENT PLANS FROM
DORSETT STA 80+46.23 TO STA 81+98.77 ON THE NORTH
AND DORSETT STA 80+20.89 TO STA 81+73.42 ON THE SOUTH


TYPICAL SECTIONS
SHEET 2 OF 5

DORSETT ROAD ALTERNATE A

NOT TO SCALE

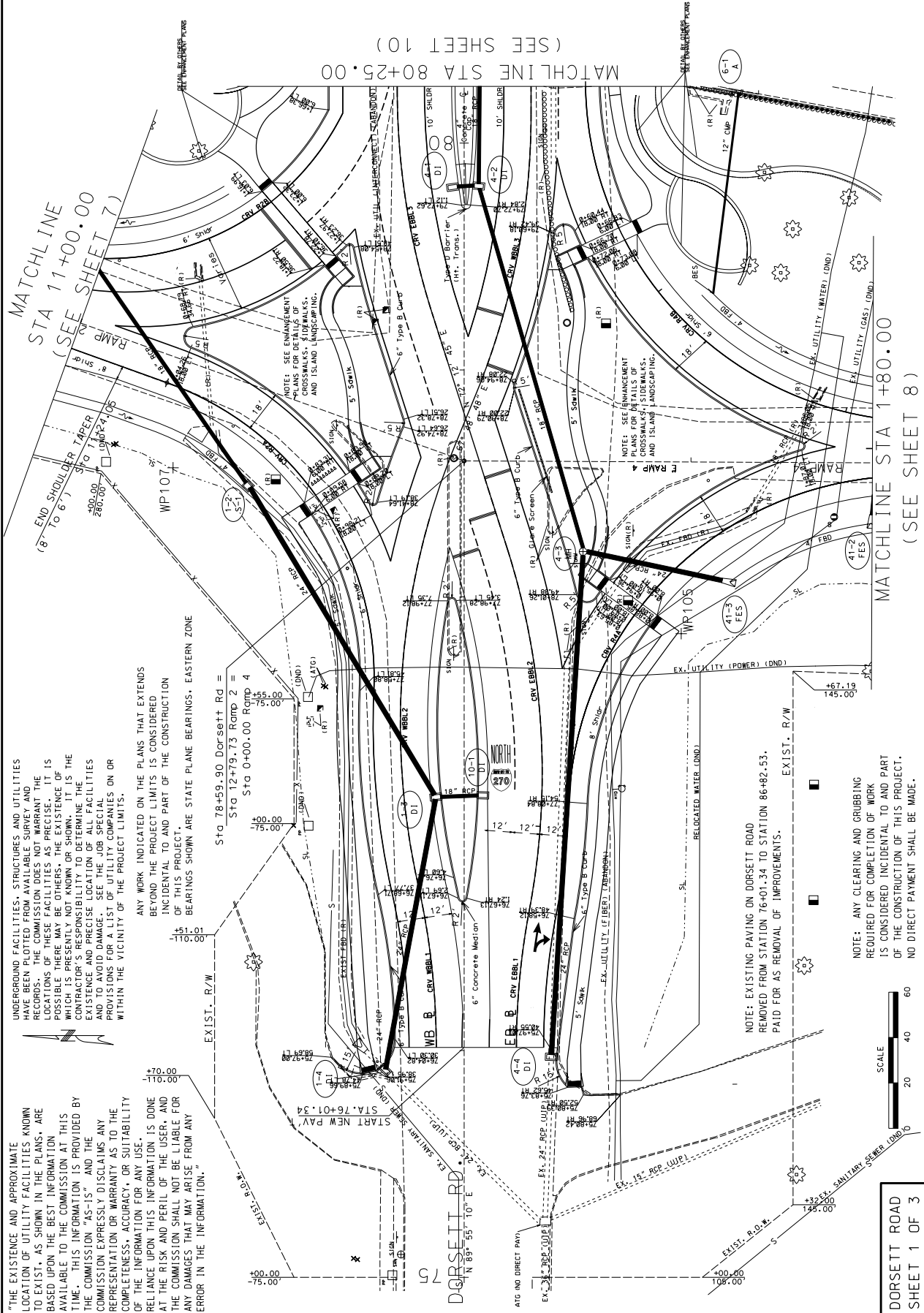
STATE OF MISSOURI DIVISION OF HIGHWAYS DESIGN NUMBER PC-2070	DATE PREPARED 4/8/2009	ROUTE 1-270	STATE MO	PROJECT NO. 4	JOB NO. ST. LOUIS
THIS DRAWING AND ALL INFORMATION CONTAINED HEREIN IS THE PROPERTY OF THE MISSOURI DEPARTMENT OF TRANSPORTATION. IT IS TO BE USED ONLY FOR THE PROJECT AND LOCATION SPECIFICALLY IDENTIFIED HEREON.	DATE 1-2-2010	DISTRICT 6	COUNTY ST. LOUIS	CONTRACT ID. J611830B	PROJECT NO. J611830B
DESCRIPTION		BRIDGE NO.			
DATE		BRIDGE NO.			

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MDOT (1-888-275-6696)

PLAN SHEETS
DORSETT ROAD 1 OF 3



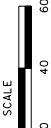
UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEY AND RECORDS. THE COMMISSION DOES NOT WARRANT THE LOCATIONS OF THESE FACILITIES AS PRECISE. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. THE EXISTENCE AND PRECISE LOCATION OF FACILITIES AND TO AVOID DAMAGE. SEE THE JOB SPECIAL PROVISIONS FOR A LIST OF UTILITY COMPANIES OR WITHIN THE VICINITY OF THE PROJECT LIMITS.

ANY WORK INDICATED ON THE PLANS THAT EXTENDS BEYOND THE PROJECT LIMITS IS CONSIDERED INCIDENTAL TO AND PART OF THE CONSTRUCTION OF THIS PROJECT. BEARINGS SHOWN ARE STATE PLANE BEARINGS. EASTERN ZONE

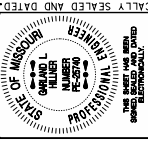
"THE EXISTENCE AND APPROXIMATE LOCATION OF UTILITY FACILITIES KNOWN TO EXIST, AS SHOWN IN THE PLANS, ARE BASED UPON THE BEST INFORMATION AVAILABLE TO THE COMMISSION AT THIS TIME. THIS INFORMATION IS PROVIDED BY THE COMMISSION "AS-IS" AND THE COMMISSION EXPRESSLY DISCLAIMS ANY REPRESENTATION OR WARRANTY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

NOTE: EXISTING PAVING ON DORSETT ROAD REMOVED FROM STATION 76+01.34 TO STATION 86+82.53. PAID FOR AS REMOVAL OF IMPROVEMENTS.

NOTE: ANY CLEARING AND GRUBBING REQUIRED FOR COMPLETION OF WORK IS CONSIDERED INCIDENTAL TO AND PART OF THE CONSTRUCTION OF THIS PROJECT. NO DIRECT PAYMENT SHALL BE MADE.



DORSETT ROAD
SHEET 1 OF 3



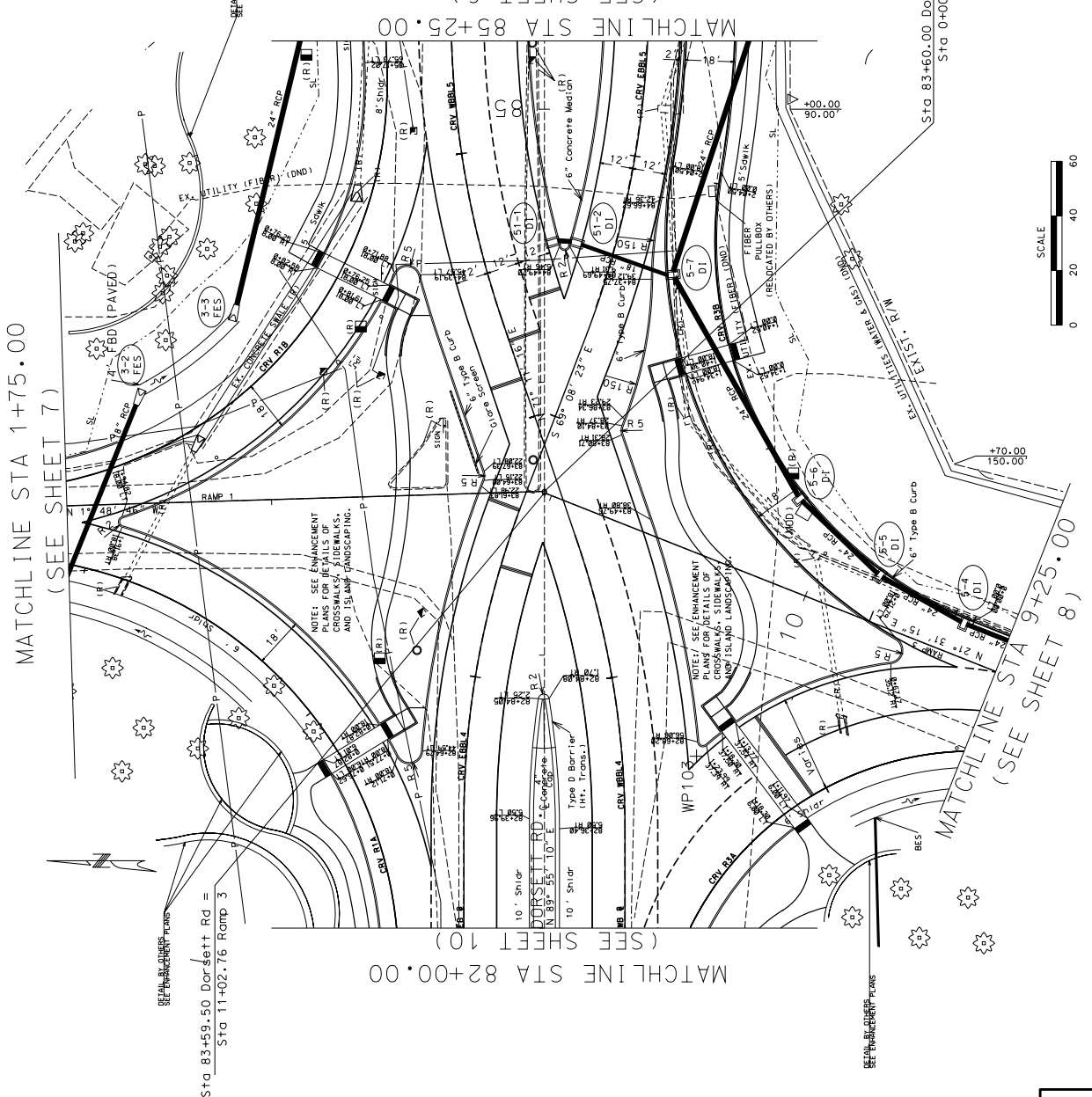
DATE PREPARED: 4/8/2009
 STATE: MO
 COUNTY: ST. LOUIS
 PROJECT NO.: J611830B
 CONTRACT ID:
 BRIDGE NO.:

DATE	DESCRIPTION

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

PLAN SHEETS
 DORSETT ROAD 2 OF 3


UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEY AND RECORDS. THE COMMISSION DOES NOT WARRANT THE LOCATIONS OF THESE FACILITIES AS PRECISE. IT IS POSSIBLE THERE MAY BE OTHERS. THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXISTENCE AND PRECISE LOCATION OF ALL FACILITIES AND PROVIDE A LIST OF UTILITY COMPANIES ON OR WITHIN THE VICINITY OF THE PROJECT LIMITS.



DORSETT ROAD
 SHEET 2 OF 3

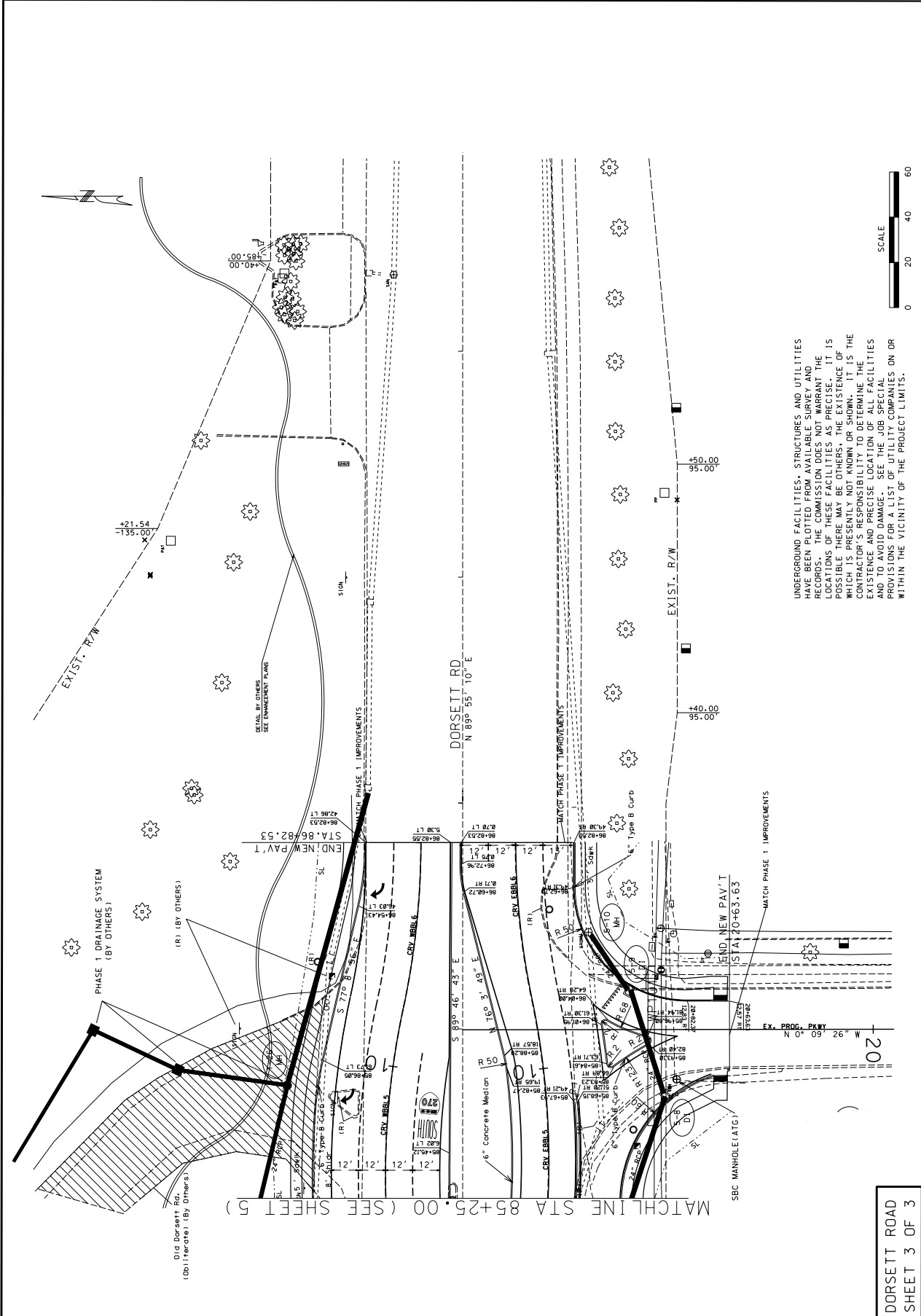
DATE PREPARED	4/8/2009
STATE	MO
ROUTE	I-270
DISTRICT	0
SHEET NO.	0
COUNTY	ST. LOUIS
JOB NO.	J6118308
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
DESCRIPTION	
DATE	

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

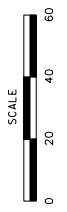


105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-4SK-MOTD (1-888-275-6636)

DORSETT ROAD 3 OF 3
PLAN SHEETS



UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEY AND RECORDS. THE COMMISSION DOES NOT WARRANT THE POSITIONS OF THESE FACILITIES AS PRECISE. IT IS POSSIBLE THERE MAY BE OTHERS. THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND PRECISE LOCATION OF ALL UTILITIES AND TO AVOID DAMAGE. SEE THE JOB SPECIAL PROVISIONS FOR A LIST OF UTILITY COMPANIES ON OR WITHIN THE VICINITY OF THE PROJECT LIMITS.



DORSETT ROAD
SHEET 3 OF 3

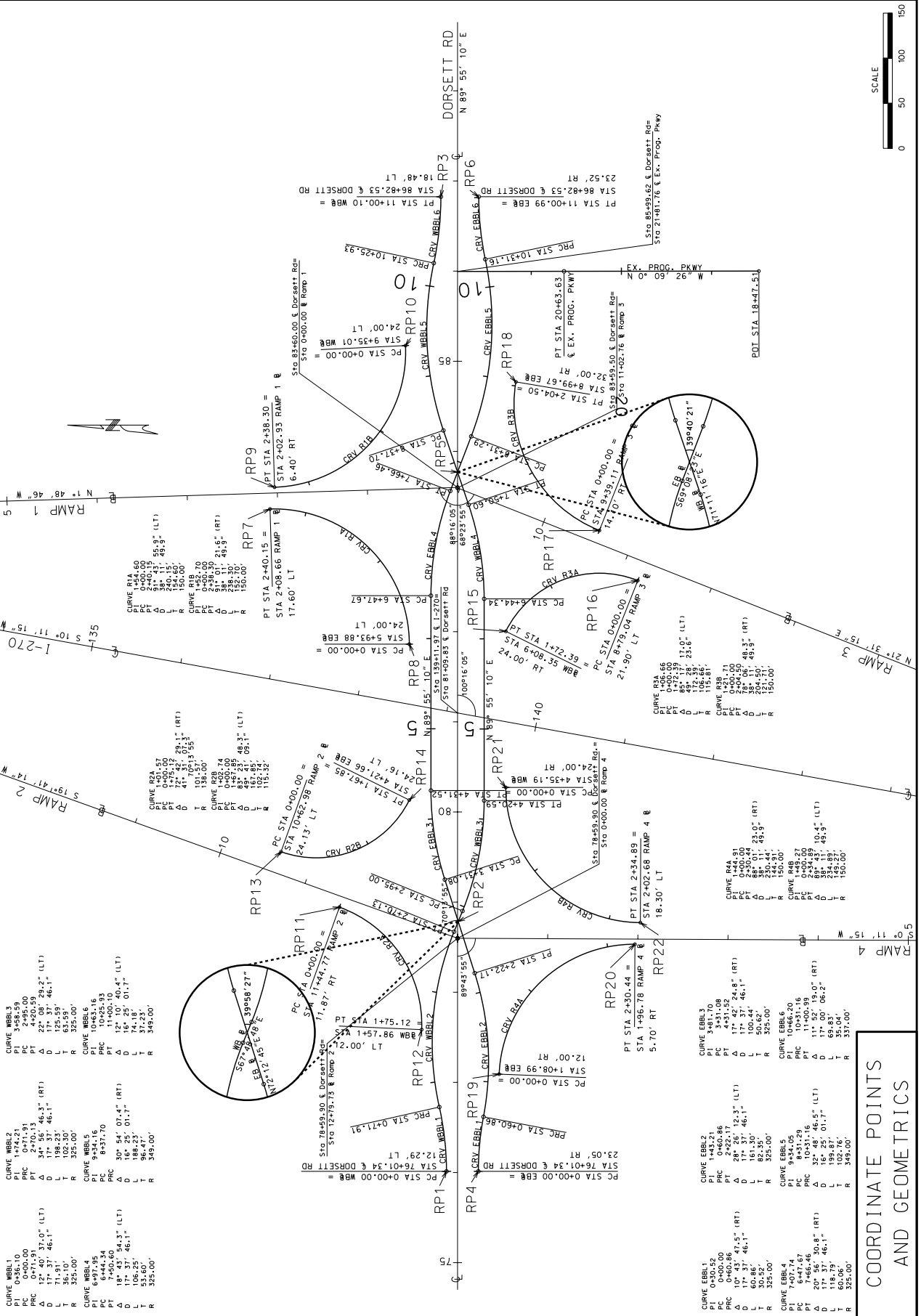
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

WITH COORDINATE POINTS
GEOMETRICS PLAN



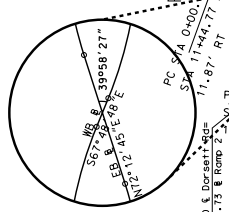
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

DATE	DESCRIPTION



COORDINATE POINTS AND GEOMETRICS

STATION	DESCRIPTION	PC	PT	PI	PRC	DELTA	LENGTH	RADIUS
0+00.00	Curve WBB1.1	0+00.00	0+47.19	0+23.59	0+47.19	31.0°	46.1'	LT
0+47.19	Curve WBB1.1	0+47.19	1+00.00	0+73.59	1+00.00	31.0°	46.1'	LT
1+00.00	Curve WBB1.1	1+00.00	1+53.19	1+26.59	1+53.19	31.0°	46.1'	LT
1+53.19	Curve WBB1.1	1+53.19	2+06.38	1+53.19	2+06.38	31.0°	46.1'	LT
2+06.38	Curve WBB1.1	2+06.38	2+59.57	2+32.97	2+59.57	31.0°	46.1'	LT
2+59.57	Curve WBB1.1	2+59.57	3+12.76	2+59.57	3+12.76	31.0°	46.1'	LT
3+12.76	Curve WBB1.1	3+12.76	3+65.95	3+12.76	3+65.95	31.0°	46.1'	LT
3+65.95	Curve WBB1.1	3+65.95	4+19.14	3+65.95	4+19.14	31.0°	46.1'	LT
4+19.14	Curve WBB1.1	4+19.14	4+72.33	4+19.14	4+72.33	31.0°	46.1'	LT
4+72.33	Curve WBB1.1	4+72.33	5+25.52	4+72.33	5+25.52	31.0°	46.1'	LT
5+25.52	Curve WBB1.1	5+25.52	5+78.71	5+25.52	5+78.71	31.0°	46.1'	LT
5+78.71	Curve WBB1.1	5+78.71	6+31.90	5+78.71	6+31.90	31.0°	46.1'	LT
6+31.90	Curve WBB1.1	6+31.90	6+85.09	6+31.90	6+85.09	31.0°	46.1'	LT
6+85.09	Curve WBB1.1	6+85.09	7+38.28	6+85.09	7+38.28	31.0°	46.1'	LT
7+38.28	Curve WBB1.1	7+38.28	7+91.47	7+38.28	7+91.47	31.0°	46.1'	LT
7+91.47	Curve WBB1.1	7+91.47	8+44.66	7+91.47	8+44.66	31.0°	46.1'	LT
8+44.66	Curve WBB1.1	8+44.66	8+97.85	8+44.66	8+97.85	31.0°	46.1'	LT
8+97.85	Curve WBB1.1	8+97.85	9+51.04	8+97.85	9+51.04	31.0°	46.1'	LT
9+51.04	Curve WBB1.1	9+51.04	10+04.23	9+51.04	10+04.23	31.0°	46.1'	LT
10+04.23	Curve WBB1.1	10+04.23	10+57.42	10+04.23	10+57.42	31.0°	46.1'	LT
10+57.42	Curve WBB1.1	10+57.42	11+10.61	10+57.42	11+10.61	31.0°	46.1'	LT
11+10.61	Curve WBB1.1	11+10.61	11+63.80	11+10.61	11+63.80	31.0°	46.1'	LT
11+63.80	Curve WBB1.1	11+63.80	12+17.00	11+63.80	12+17.00	31.0°	46.1'	LT
12+17.00	Curve WBB1.1	12+17.00	12+70.19	12+17.00	12+70.19	31.0°	46.1'	LT
12+70.19	Curve WBB1.1	12+70.19	13+23.38	12+70.19	13+23.38	31.0°	46.1'	LT
13+23.38	Curve WBB1.1	13+23.38	13+76.57	13+23.38	13+76.57	31.0°	46.1'	LT
13+76.57	Curve WBB1.1	13+76.57	14+29.76	13+76.57	14+29.76	31.0°	46.1'	LT
14+29.76	Curve WBB1.1	14+29.76	14+82.95	14+29.76	14+82.95	31.0°	46.1'	LT
14+82.95	Curve WBB1.1	14+82.95	15+36.14	14+82.95	15+36.14	31.0°	46.1'	LT
15+36.14	Curve WBB1.1	15+36.14	15+89.33	15+36.14	15+89.33	31.0°	46.1'	LT
15+89.33	Curve WBB1.1	15+89.33	16+42.52	15+89.33	16+42.52	31.0°	46.1'	LT
16+42.52	Curve WBB1.1	16+42.52	16+95.71	16+42.52	16+95.71	31.0°	46.1'	LT
16+95.71	Curve WBB1.1	16+95.71	17+48.90	16+95.71	17+48.90	31.0°	46.1'	LT
17+48.90	Curve WBB1.1	17+48.90	18+02.09	17+48.90	18+02.09	31.0°	46.1'	LT
18+02.09	Curve WBB1.1	18+02.09	18+55.28	18+02.09	18+55.28	31.0°	46.1'	LT
18+55.28	Curve WBB1.1	18+55.28	19+08.47	18+55.28	19+08.47	31.0°	46.1'	LT
19+08.47	Curve WBB1.1	19+08.47	19+61.66	19+08.47	19+61.66	31.0°	46.1'	LT
19+61.66	Curve WBB1.1	19+61.66	20+14.85	19+61.66	20+14.85	31.0°	46.1'	LT
20+14.85	Curve WBB1.1	20+14.85	20+68.04	20+14.85	20+68.04	31.0°	46.1'	LT
20+68.04	Curve WBB1.1	20+68.04	21+21.23	20+68.04	21+21.23	31.0°	46.1'	LT
21+21.23	Curve WBB1.1	21+21.23	21+74.42	21+21.23	21+74.42	31.0°	46.1'	LT
21+74.42	Curve WBB1.1	21+74.42	22+27.61	21+74.42	22+27.61	31.0°	46.1'	LT
22+27.61	Curve WBB1.1	22+27.61	22+80.80	22+27.61	22+80.80	31.0°	46.1'	LT
22+80.80	Curve WBB1.1	22+80.80	23+33.99	22+80.80	23+33.99	31.0°	46.1'	LT
23+33.99	Curve WBB1.1	23+33.99	23+87.18	23+33.99	23+87.18	31.0°	46.1'	LT
23+87.18	Curve WBB1.1	23+87.18	24+40.37	23+87.18	24+40.37	31.0°	46.1'	LT
24+40.37	Curve WBB1.1	24+40.37	24+93.56	24+40.37	24+93.56	31.0°	46.1'	LT
24+93.56	Curve WBB1.1	24+93.56	25+46.75	24+93.56	25+46.75	31.0°	46.1'	LT
25+46.75	Curve WBB1.1	25+46.75	25+99.94	25+46.75	25+99.94	31.0°	46.1'	LT
25+99.94	Curve WBB1.1	25+99.94	26+53.13	25+99.94	26+53.13	31.0°	46.1'	LT
26+53.13	Curve WBB1.1	26+53.13	27+06.32	26+53.13	27+06.32	31.0°	46.1'	LT
27+06.32	Curve WBB1.1	27+06.32	27+59.51	27+06.32	27+59.51	31.0°	46.1'	LT
27+59.51	Curve WBB1.1	27+59.51	28+12.70	27+59.51	28+12.70	31.0°	46.1'	LT
28+12.70	Curve WBB1.1	28+12.70	28+65.89	28+12.70	28+65.89	31.0°	46.1'	LT
28+65.89	Curve WBB1.1	28+65.89	29+19.08	28+65.89	29+19.08	31.0°	46.1'	LT
29+19.08	Curve WBB1.1	29+19.08	29+72.27	29+19.08	29+72.27	31.0°	46.1'	LT
29+72.27	Curve WBB1.1	29+72.27	30+25.46	29+72.27	30+25.46	31.0°	46.1'	LT
30+25.46	Curve WBB1.1	30+25.46	30+78.65	30+25.46	30+78.65	31.0°	46.1'	LT
30+78.65	Curve WBB1.1	30+78.65	31+31.84	30+78.65	31+31.84	31.0°	46.1'	LT
31+31.84	Curve WBB1.1	31+31.84	31+85.03	31+31.84	31+85.03	31.0°	46.1'	LT
31+85.03	Curve WBB1.1	31+85.03	32+38.22	31+85.03	32+38.22	31.0°	46.1'	LT
32+38.22	Curve WBB1.1	32+38.22	32+91.41	32+38.22	32+91.41	31.0°	46.1'	LT
32+91.41	Curve WBB1.1	32+91.41	33+44.60	32+91.41	33+44.60	31.0°	46.1'	LT
33+44.60	Curve WBB1.1	33+44.60	33+97.79	33+44.60	33+97.79	31.0°	46.1'	LT
33+97.79	Curve WBB1.1	33+97.79	34+50.98	33+97.79	34+50.98	31.0°	46.1'	LT
34+50.98	Curve WBB1.1	34+50.98	35+04.17	34+50.98	35+04.17	31.0°	46.1'	LT



COORDINATE POINTS AND GEOMETRICS

STATION	DESCRIPTION	PC	PT	PI	PRC	DELTA	LENGTH	RADIUS
0+00.00	Curve WBB1.1	0+00.00	0+47.19	0+23.59	0+47.19	31.0°	46.1'	LT
0+47.19	Curve WBB1.1	0+47.19	1+00.00	0+73.59	1+00.00	31.0°	46.1'	LT
1+00.00	Curve WBB1.1	1+00.00	1+53.19	1+26.59	1+53.19	31.0°	46.1'	LT
1+53.19	Curve WBB1.1	1+53.19	2+06.38	1+53.19	2+06.38	31.0°	46.1'	LT
2+06.38	Curve WBB1.1	2+06.38	2+59.57	2+32.97	2+59.57	31.0°	46.1'	LT
2+59.57	Curve WBB1.1	2+59.57	3+12.76	2+59.57	3+12.76	31.0°	46.1'	LT
3+12.76	Curve WBB1.1	3+12.76	3+65.95	3+12.76	3+65.95	31.0°	46.1'	LT
3+65.95	Curve WBB1.1	3+65.95	4+19.14	3+65.95	4+19.14	31.0°	46.1'	LT
4+19.14	Curve WBB1.1	4+19.14	4+72.33	4+19.14	4+72.33	31.0°	46.1'	LT
4+72.33	Curve WBB1.1	4+72.33	5+25.52	4+72.33	5+25.52	31.0°	46.1'	LT
5+25.52	Curve WBB1.1	5+25.52	5+78.71	5+25.52	5+78.71	31.0°	46.1'	LT
5+78.71	Curve WBB1.1	5+78.71	6+31.90	5+78.71	6+31.90	31.0°	46.1'	LT
6+31.90	Curve WBB1.1	6+31.90	6+85.09	6+31.90	6+85.09	31.0°	46.1'	LT
6+85.09	Curve WBB1.1	6+85.09	7+38.28	6+85.09	7+38.28	31.0°	46.1'	LT
7+38.28	Curve WBB1.1	7+38.28	7+91.47	7+38.28	7+91.47	31.0°	46.1'	LT
7+91.47	Curve WBB1.1	7+91.47	8+44.66	7+91.47	8+44.66	31.0°	46.1'	LT
8+44.66	Curve WBB1.1	8+44.66	8+97.85	8+44.66	8+97.85	31.0°	46.1'	LT
8+97.85	Curve WBB1.1	8+97.85	9+51.04	8+97.85	9+51.04	31.0°	46.1'	LT
9+51.04	Curve WBB1.1	9+51.04	10+04.23	9+51.04	10+04.23	31.0°	46.1'	LT
10+04.23	Curve WBB1.1	10+04.23	10+57.42	10+04.23	10+57.42	31.0°	46.1'	LT
10+57.42	Curve WBB1.1	10+57.42	11+10.61	10+57.42	11+10.61	31.0°	46.1'	LT
11+10.61	Curve WBB1.1	11+10.61	11+63.80	11+10.61	11+63.80	31.0°	46.1'	LT
11+63.80	Curve WBB1.1	11+63.80	12+17.00	11+63.80	12+17.00	31.0°	46.1'	LT
12+17.00	Curve WBB1.1	12+17.00	12+70.19	12+17.00	12+70.19	31.0°	46.1'	LT
12+70.19	Curve WBB1.1	12+70.19	13+23.38	12+70.19	13+23.38	31.0°	46.1'	LT
13+23.38	Curve WBB1.1	13+23.38	13+76.57	13+23.38	13+76.57	31.0°	46.1'	LT
13+76.57	Curve WBB1.1	13+76.57	14+29.76	13+76.57	14+29.76	31.0°	46.1'	LT
14+29.76	Curve WBB1.1	14+29.76	14+82.95	14+29.76	14+82.95	31.0°	46.1'	LT
14+82.95	Curve WBB1.1	14+82.95	15+36.14	14+82.95	15+36.14	31.0°	46.1'	LT
15+36.14	Curve WBB1.1	15+36.14	15+89.33	15+36.14	15+89.33	31.0°	46.1'	LT
15+89.33	Curve WBB1.1	15+89.33	16+42.52	15+89.33	16+42.52	31.0°	46.1'	LT
16+42.52	Curve WBB1.1	16+42.52	16+95.71	16+42.52	16+95.71	31.0°	46.1'	LT
16+95.71	Curve WBB1.1	16+95.71	17+48.90	16+95.71	17+48.90	31.0°	46.1'	LT
17+48.90	Curve WBB1.1	17+48.90	18+02.09	17+48.90	18+02.09	31.0°	4	

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



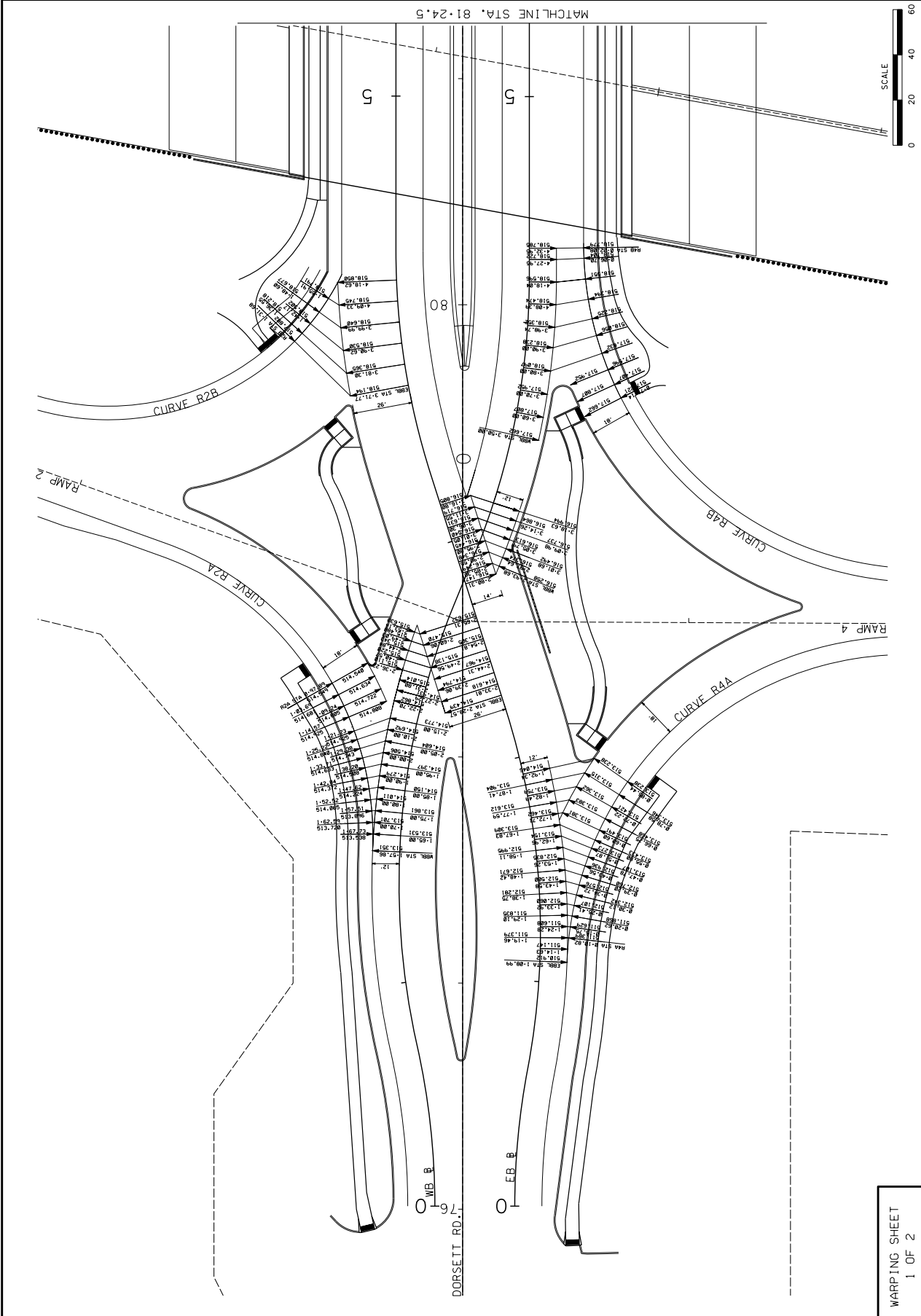
DATE PREPARED: 4/8/2009
 STATE: MO
 COUNTY: 18
 PROJECT NO.:
 BRIDGE NO.:
 JOB NO.: J611803B
 CONTRACT ID.:
 ST. LOUIS

DESCRIPTION	DATE

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



SPECIAL SHEET
 WARPING SHEET 1 OF 2



WARPING SHEET
 1 OF 2

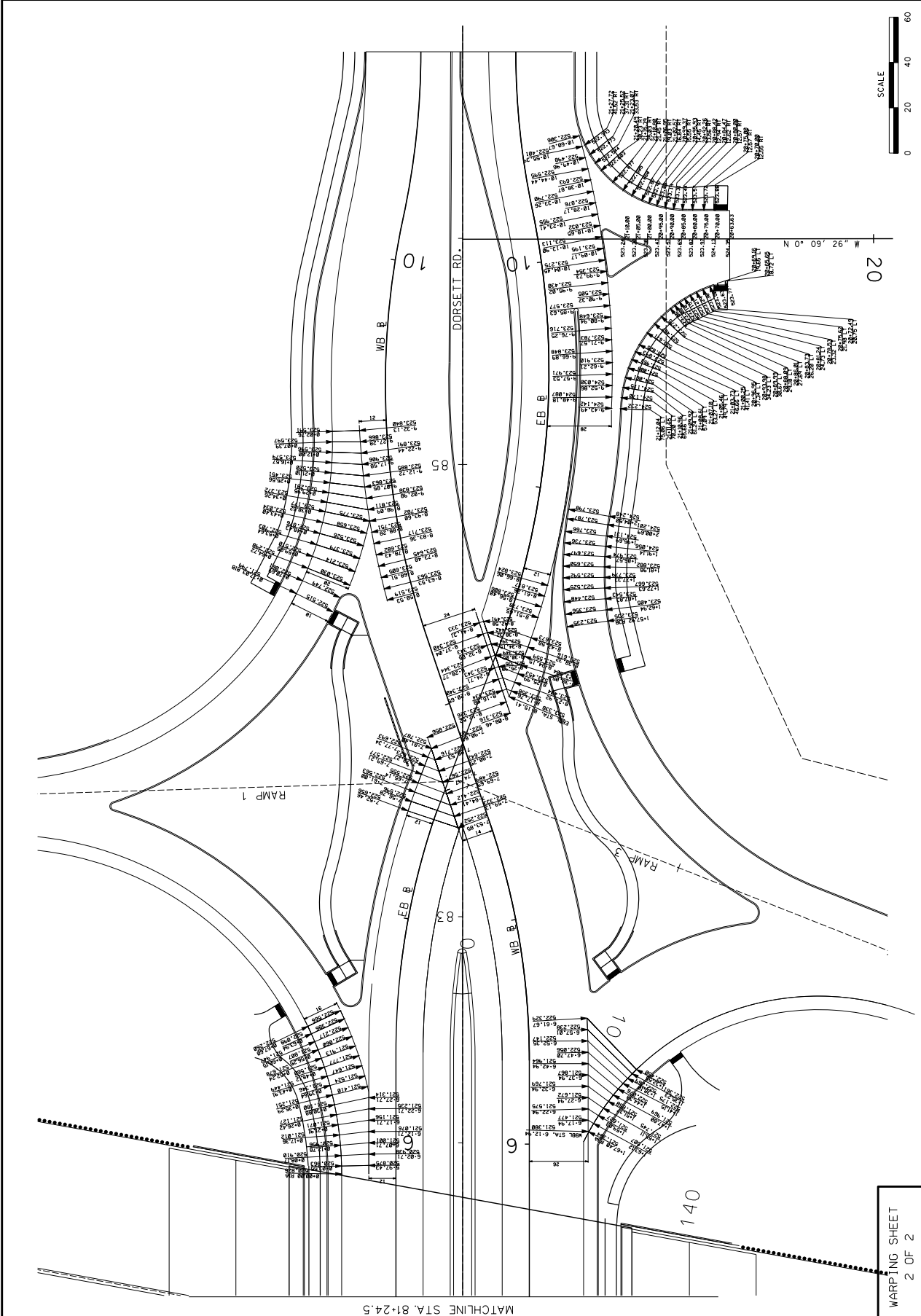


DATE PREPARED: 4/8/2009
 STATE: MO
 COUNTY: ST. LOUIS
 PROJECT NO.: JG 11803B
 BRIDGE NO.:
 CONTRACT ID.:
 JOB NO.: JG 11803B
 DISTRICT: 6

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6963)

SPECIAL SHEET
 WARPING SHEET 2 OF 2

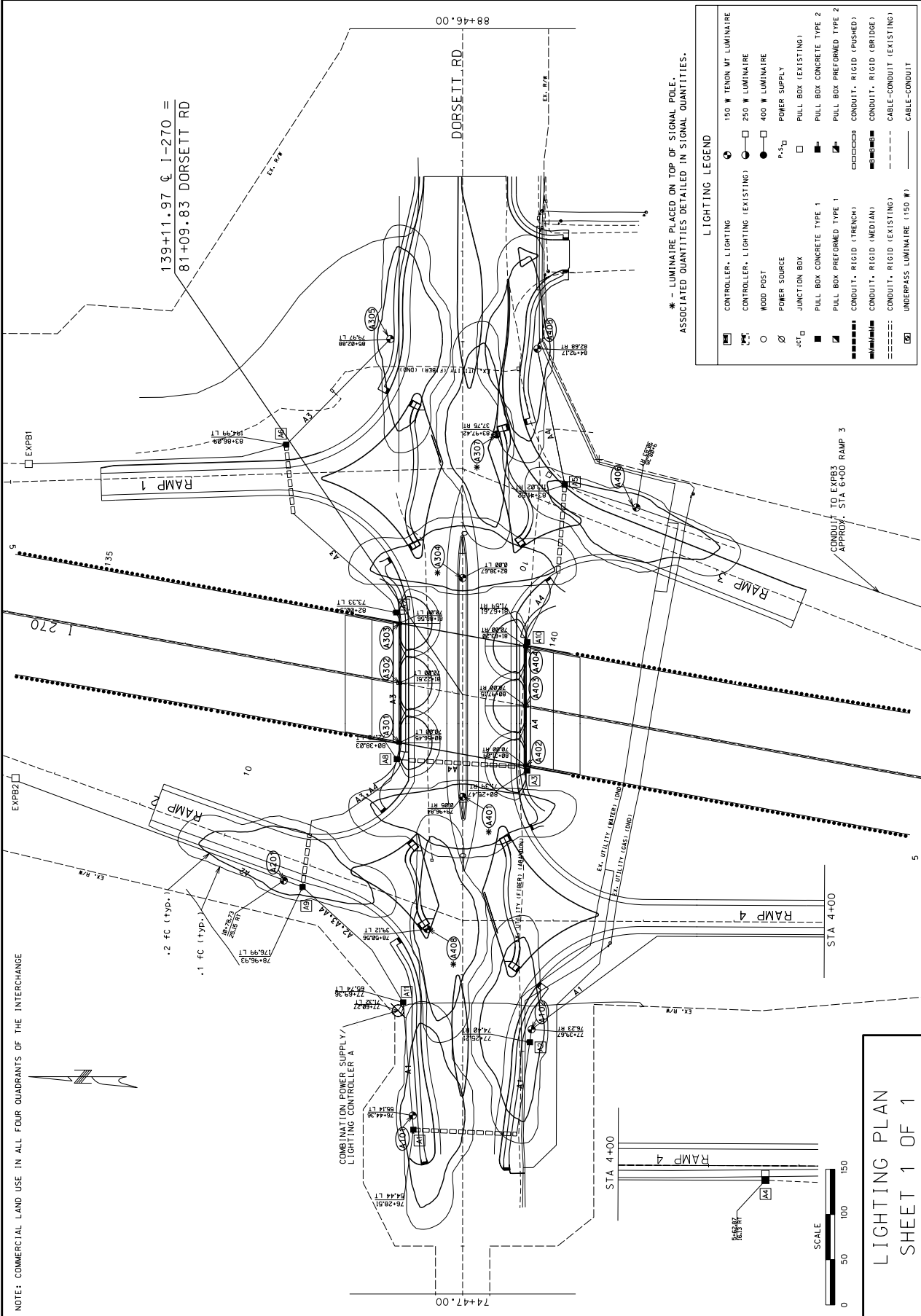


WARPING SHEET
 2 OF 2

STATE OF MISSOURI
 DIVISION OF HIGHWAY DESIGN
 PROJECT NUMBER
 J611830B
 CONTRACT ID.
 ST. LOUIS
 COUNTY
 6
 DISTRICT
 46
 DATE PREPARED
 4/8/2009
 DATE
 7/8/2009
 DRAWN BY
 JMO
 CHECKED BY
 JMO
 PROJECT NO.
 BRIDGE NO.

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

DATE
 DESCRIPTION



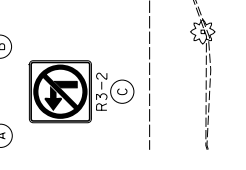
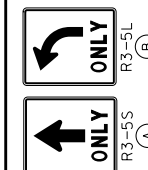
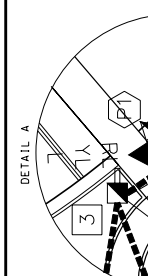
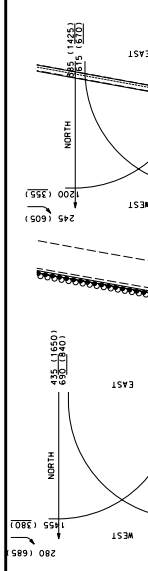
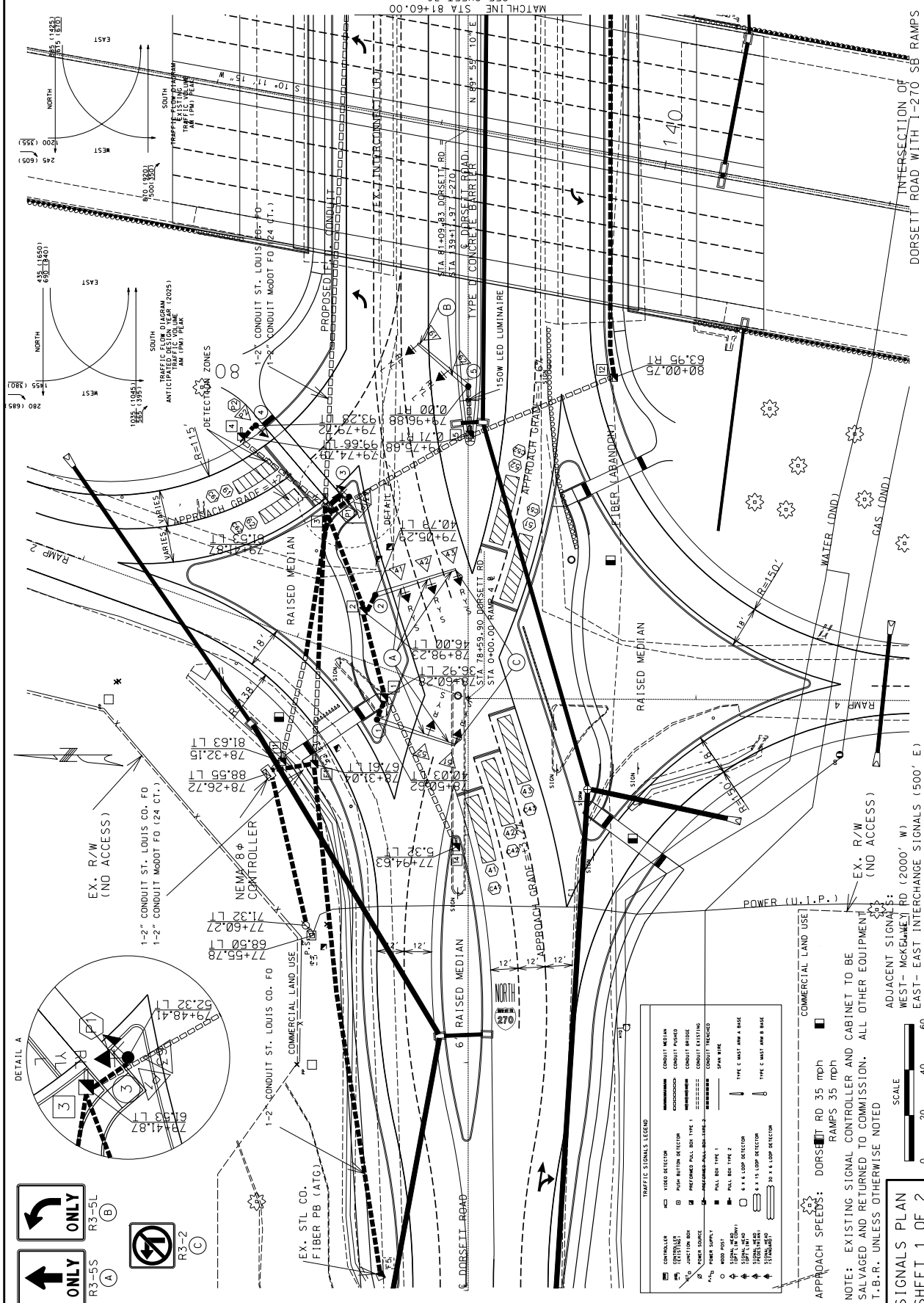
ASSOCIATED QUANTITIES DETAILED IN SIGNAL QUANTITIES.

LIGHTING LEGEND

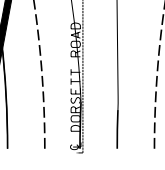
☐	CONTROLLER, LIGHTING	○	150 W TENSION MOUNT LUMINAIRE
○	CONTROLLER, LIGHTING (EXISTING)	○	250 W LUMINAIRE
○	WOOD POST	○	400 W LUMINAIRE
○	POWER SOURCE	○	PULL BOX CONCRETE TYPE 1
○	JUNCTION BOX	○	PULL BOX CONCRETE TYPE 2
○	PULL BOX CONCRETE TYPE 1	○	CONDUIT, RIGID (TRENCH)
○	PULL BOX CONCRETE TYPE 2	○	CONDUIT, RIGID (BRIDGE)
○	CONDUIT, RIGID (TRENCH)	○	CABLE-CONDUIT (EXISTING)
○	CONDUIT, RIGID (BRIDGE)	○	UNDERPASS LUMINAIRE (150 W)
○	CABLE-CONDUIT (EXISTING)		



DATE PREPARED	4/8/2009
STATE	MO
COUNTY	ST. LOUIS
JOB NO.	J611830B
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
DESCRIPTION	
DATE	



NOTE: EXISTING SIGNAL CONTROLLER AND CABINET TO BE SALVAGED AND RETURNED TO COMMISSION. ALL OTHER EQUIPMENT T.B.R. UNLESS OTHERWISE NOTED



ADJACENT SIGNALS:
WEST - MCKELMEY RD (2000' W)
EAST - EAST INTERCHANGE SIGNALS (500' E)

APPROACH SPEEDS: DORSETT RD 35 MPH
RAMPS 35 MPH
APPROACH 30 MPH

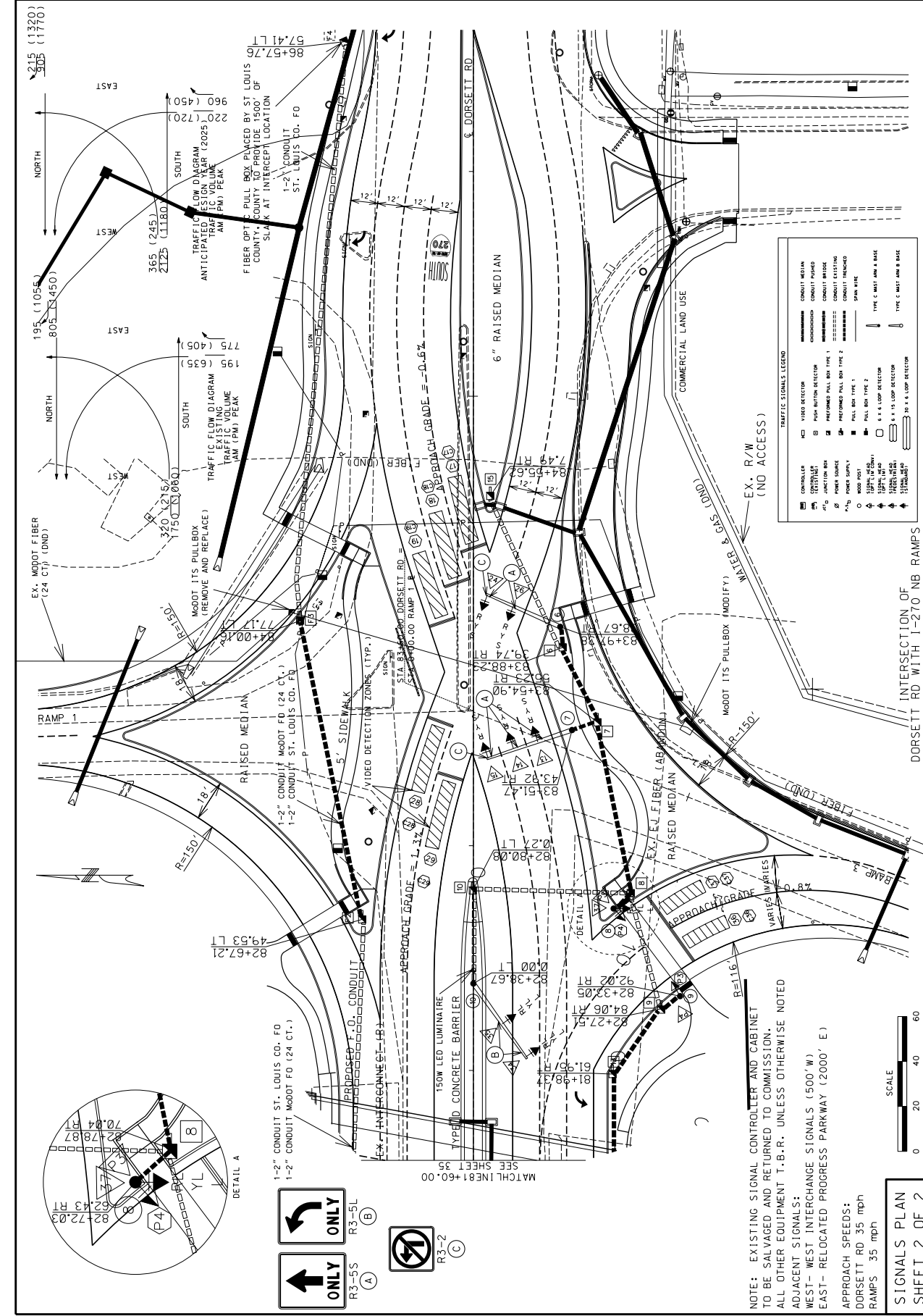
EX. R/W ST. LOUIS CO. RD (NO ACCESS)
EX. R/W (NO ACCESS)
EX. R/W (NO ACCESS)

ADJACENT SIGNALS:
WEST - MCKELMEY RD (2000' W)
EAST - EAST INTERCHANGE SIGNALS (500' E)



THIS MEDIA SHOULD NOT BE CONSIDERED A CONTRACT DOCUMENT.

DATE PREPARED	4/8/2009
STATE	MO
ROUTE	I-270
CITY	ST. LOUIS
COUNTY	ST. LOUIS
SHEET NO.	48
JOB NO.	J611830B
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	



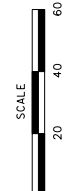
TRAFFIC SIGNALS LEGEND

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[Symbol]	VIDEO DETECTOR
[Symbol]	PULL BOX TYPE 1
[Symbol]	PULL BOX TYPE 2
[Symbol]	PULL BOX TYPE 3
[Symbol]	PULL BOX TYPE 4
[Symbol]	PULL BOX TYPE 5
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[Symbol]	PULL BOX TYPE 7
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[Symbol]	PULL BOX TYPE 98
[Symbol]	PULL BOX TYPE 99
[Symbol]	PULL BOX TYPE 100

NOTE: EXISTING SIGNAL CONTROLLER AND CABINET TO BE SALVAGED AND RETURNED TO COMMISSION. ALL OTHER EQUIPMENT T.B.R. UNLESS OTHERWISE NOTED

ADJACENT SIGNALS:
WEST - WEST INTERCHANGE SIGNALS (500' W)
EAST - RELOCATED PROGRESS PARKWAY (2000' E)

APPROACH SPEEDS:
DORSETT RD 35 mph
RAMPS 35 mph

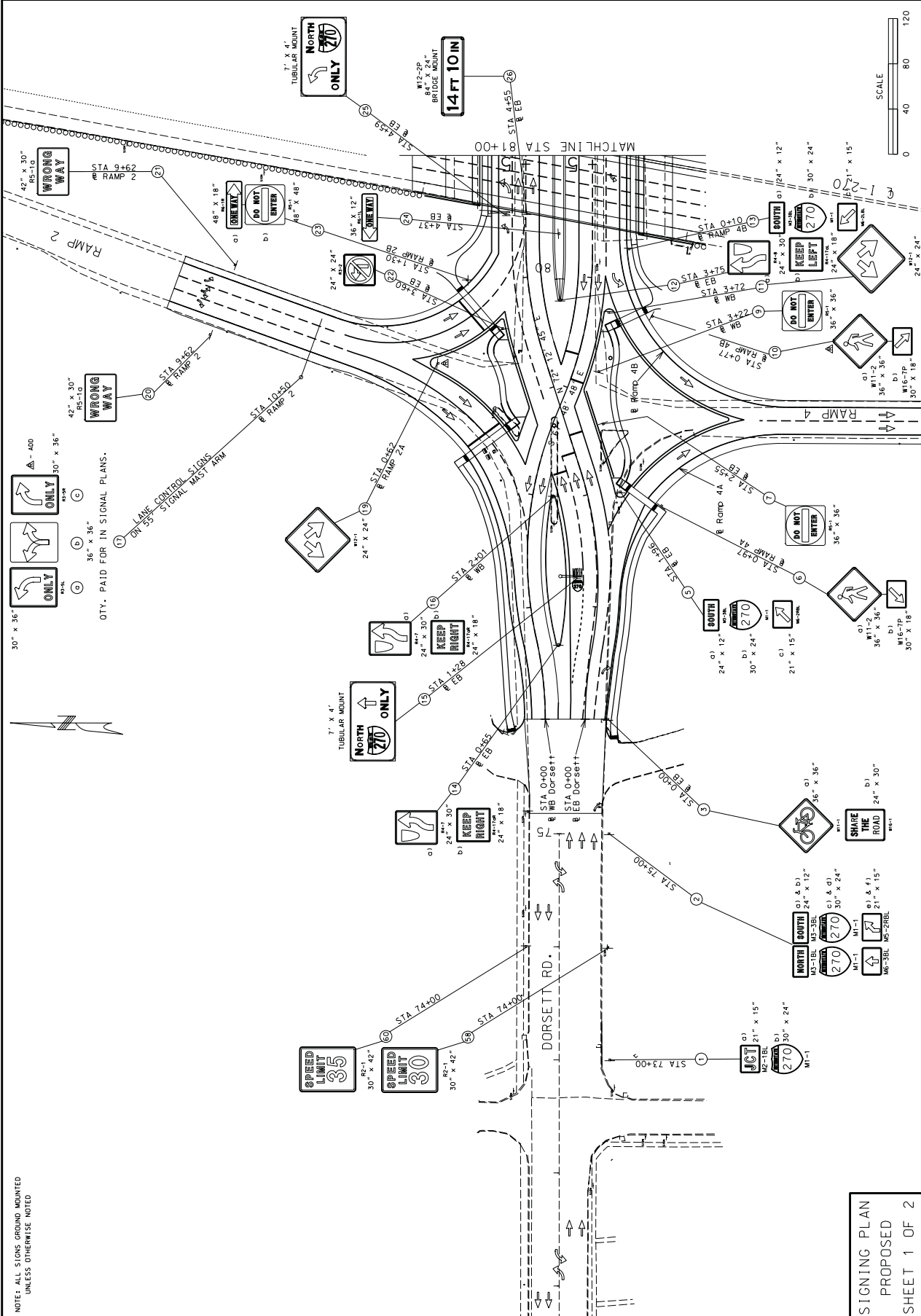


SIGNALS PLAN SHEET 2 OF 2

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)

PROPOSED SIGNING PLAN
 SHEET 1 OF 2



NOTES: ALL SIGNS GROUND MOUNTED UNLESS OTHERWISE NOTED

SIGNING PLAN
 PROPOSED
 SHEET 1 OF 2

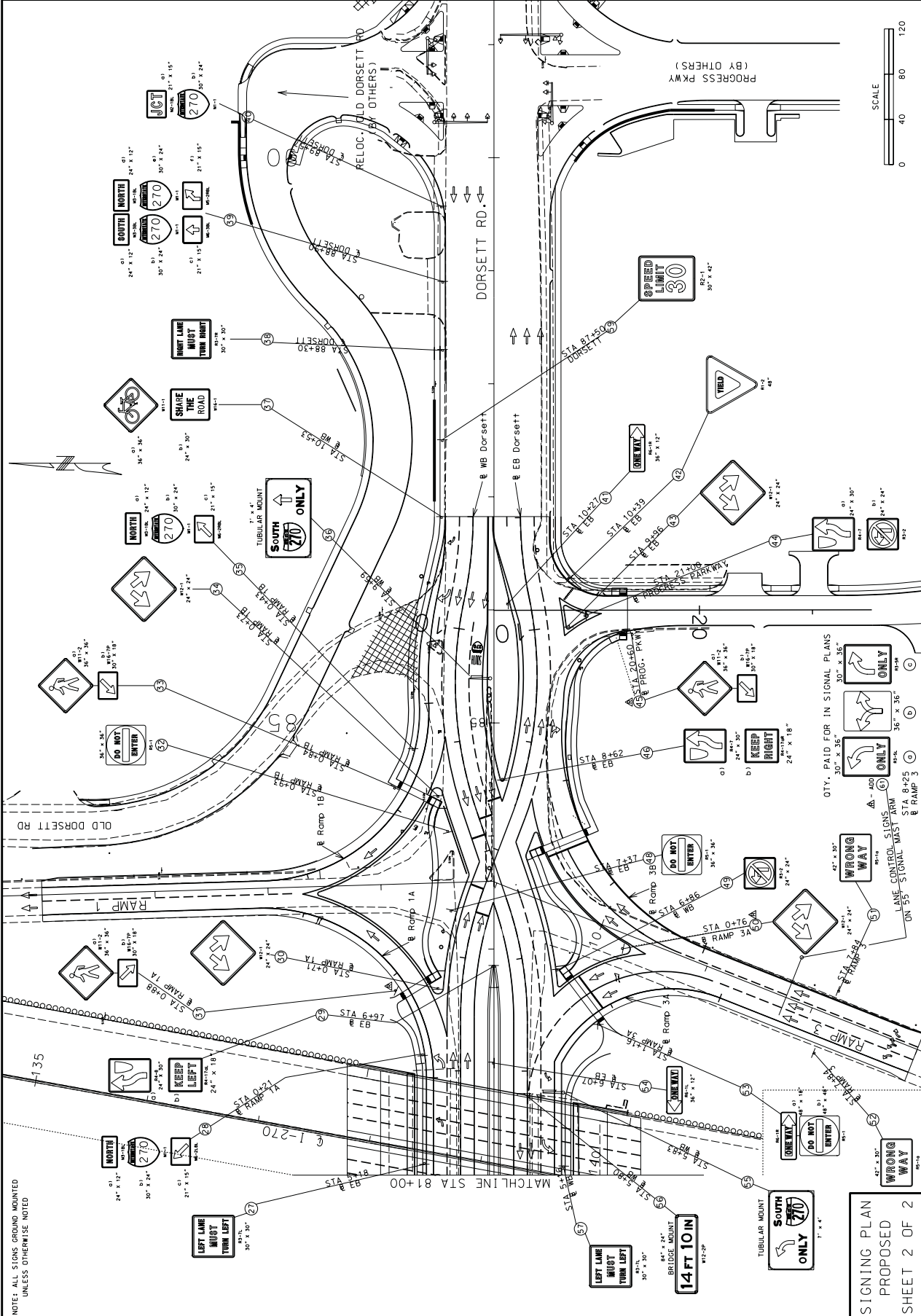
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

STATE OF MISSOURI
 DIVISION OF HIGHWAY TRANSPORTATION
 MISSOURI HIGHWAYS AND TRANSPORTATION
 DATE _____ DESCRIPTION _____

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

MODOT

PROPOSED SIGNING PLANS
 SHEET 2 OF 2



NOTE: ALL SIGNS GROUND MOUNTED UNLESS OTHERWISE NOTED

SIGNING PLAN
 PROPOSED
 SHEET 2 OF 2

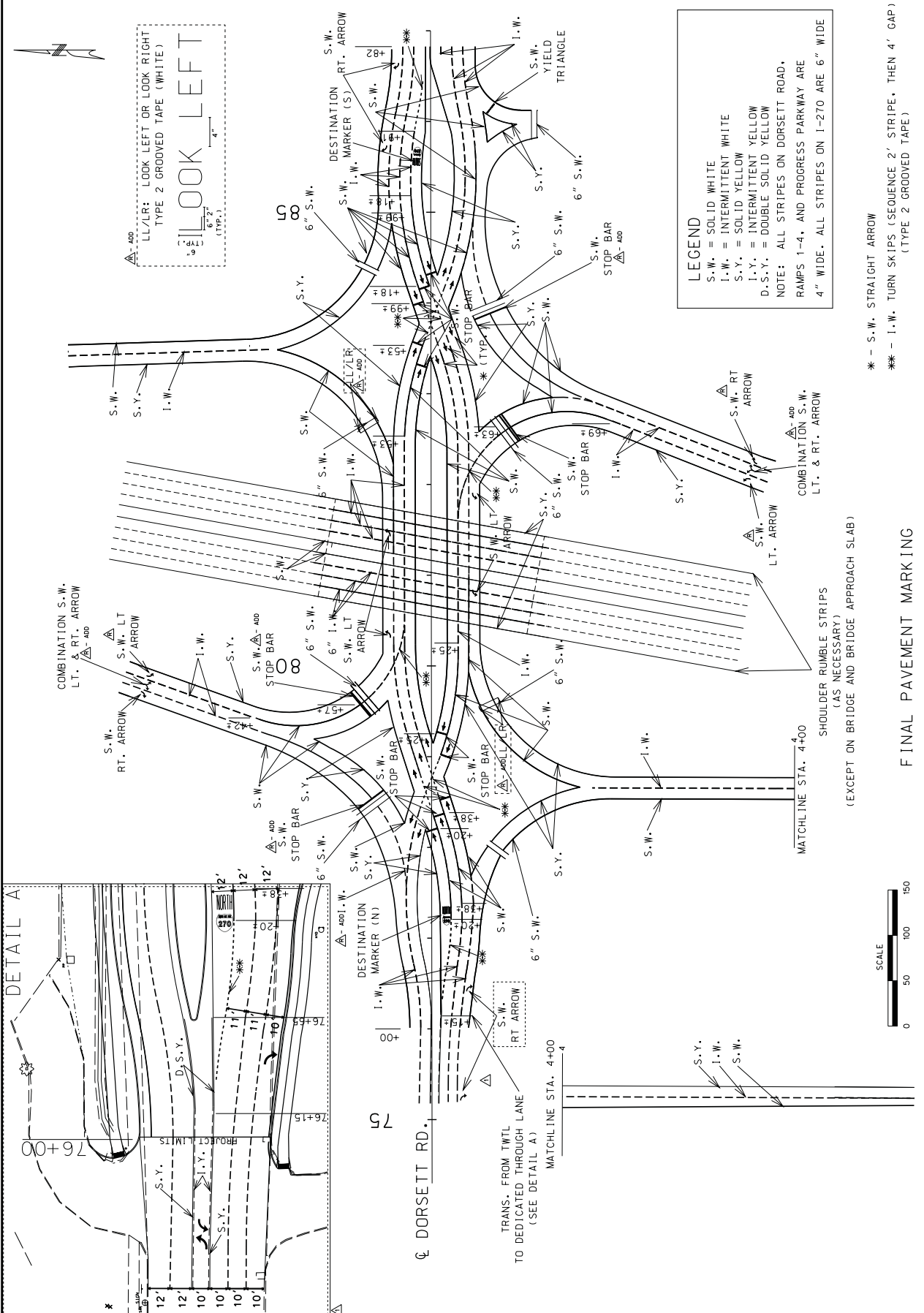
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

STATE OF MISSOURI
 DIVISION OF HIGHWAYS
 PROJECT NUMBER: J611830B
 COUNTY: ST. LOUIS
 DATE PREPARED: 2/1/2010
 DATE: 2/27/10
 PROJECT NO.: 69
 CONTRACT ID.: J611830B
 BRIDGE NO.:
 PROJECT DESCRIPTION: PAVEMENT MARKING

PAVEMENT MARKING PLAN

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




Appendix C:

Sample Set of Plans for MO-150 and Botts Rd
(Kansas City)

DATE PREPARED	02-19-2010
DATE	130
PROJECT NO.	4
COUNTY	JACKSON
JOB NO.	J4P2251
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
DESCRIPTION	
DATE	

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

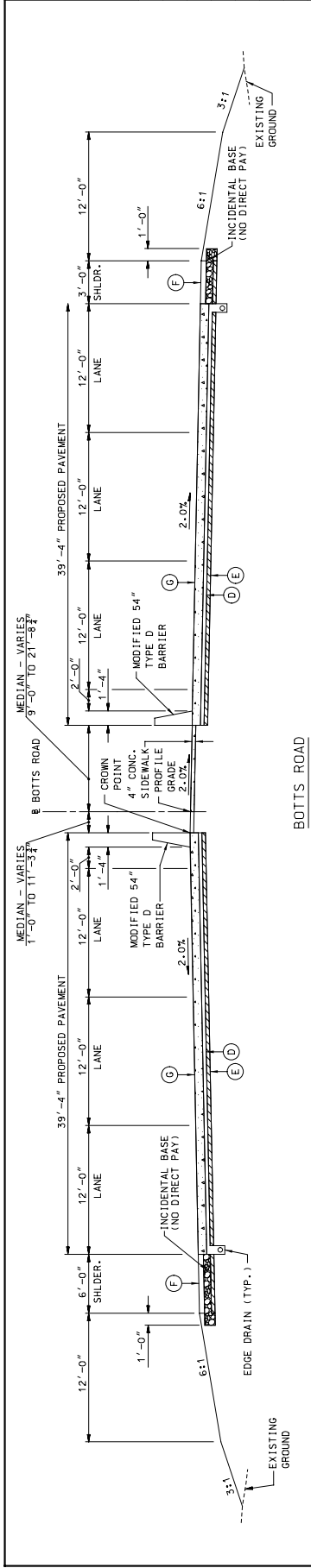


105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MOTD (1-888-275-6636)

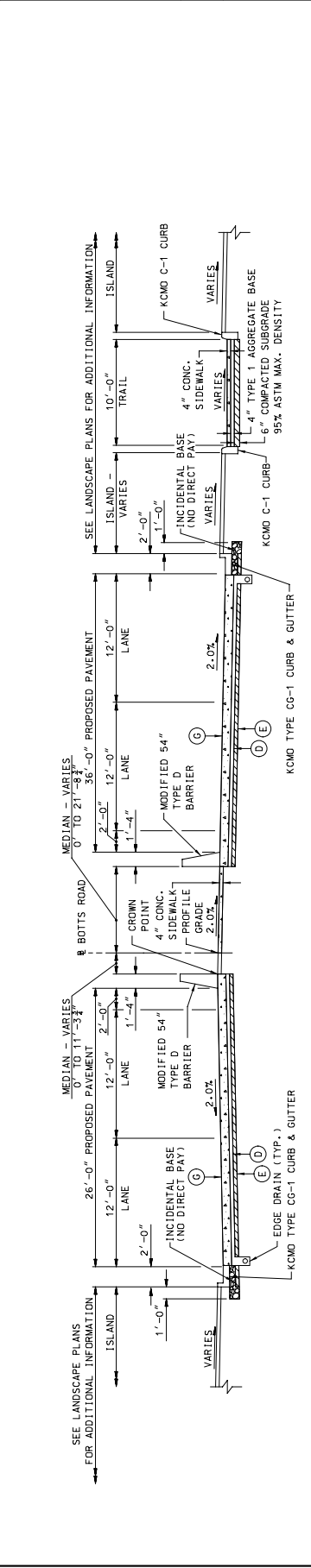
HNTB

715 MIKIK DRIVE
KANSAAS CITY, MO 64105
(816) 472-1201
CERTIFICATE OF AUTHORITY
NO. 001270

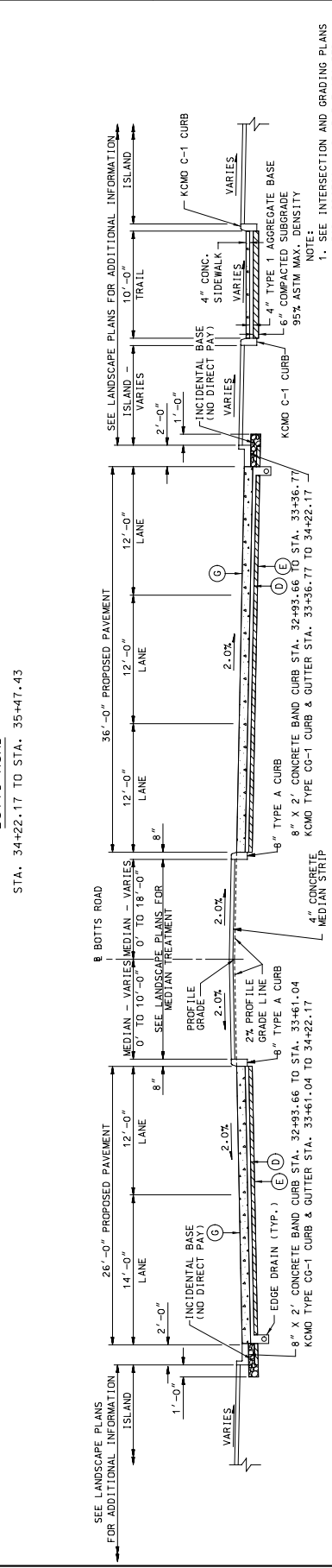
14-30 24-FEB-2010



BOTTS ROAD
STA. 35+47.43 TO STA. 36+28.03



BOTTS ROAD
STA. 34+22.17 TO STA. 35+47.43



BOTTS ROAD
STA. 32+93.66 TO STA. 34+22.17

- LEGEND**
- (D) 4" REMEMBRANCE TREATED BASE
 - (E) 4" TYPE 1 AGGREGATE BASE
 - (F) TYPE A2 SHOULDER
 - (G) 9 1/2" PCCP

1. SEE INTERSECTION AND GRADING PLANS FOR ADDITIONAL PAVEMENT GEOMETRY INFORMATION.
2. SEE SPECIAL SHEETS 11-13 OF 27 FOR MODIFIED 54" TYPE D BARRIER DETAILS.

TYPICAL SECTIONS
ALTERNATE B PAVEMENT
SHEET 14 OF 22

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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

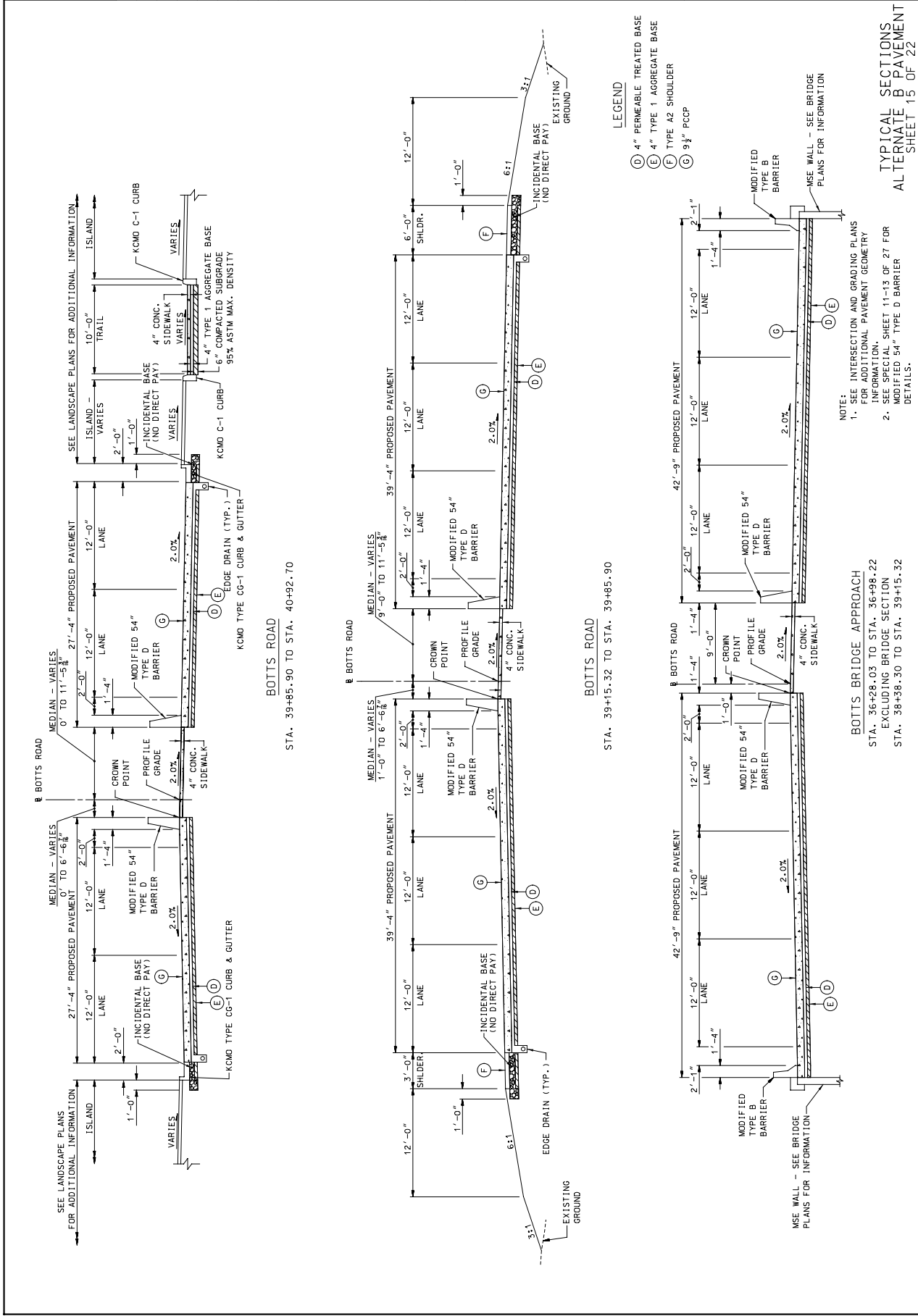
105 WEST CAPITOL JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

DATE DESCRIPTION

HNTB

715 KIRK DRIVE
KANSAAS CITY, MO 64105
(816) 472-1201
CERTIFICATE OF AUTHORITY
NO. 001270

DATE PREPARED: 02-19-2010
DATE: 130
JOB NO.: J4P2251
PROJECT NO.:
BRIDGE NO.:
COUNTY: JACKSON



LEGEND

- (D) 4" PERMEABLE TREATED BASE
- (E) 4" TYPE 1 AGGREGATE BASE
- (F) TYPE A2 SHOULDER
- (G) 9" PCCP

NOTE:

1. SEE INTERSECTION AND GRADING PLANS FOR ADDITIONAL PAVEMENT GEOMETRY INFORMATION.
2. SEE SPECIAL SHEET 11-13 OF 27 FOR MODIFIED 54" TYPE D BARRIER DETAILS.

BOTTS BRIDGE APPROACH

STA. 36+28.03 TO STA. 36+98.22
EXCLUDING BRIDGE SECTION
STA. 38+38.30 TO STA. 39+15.32

BOTTS ROAD

STA. 39+85.90 TO STA. 40+92.70

BOTTS ROAD

STA. 39+15.32 TO STA. 39+85.90

SCALE: 5.000000:1.000000

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

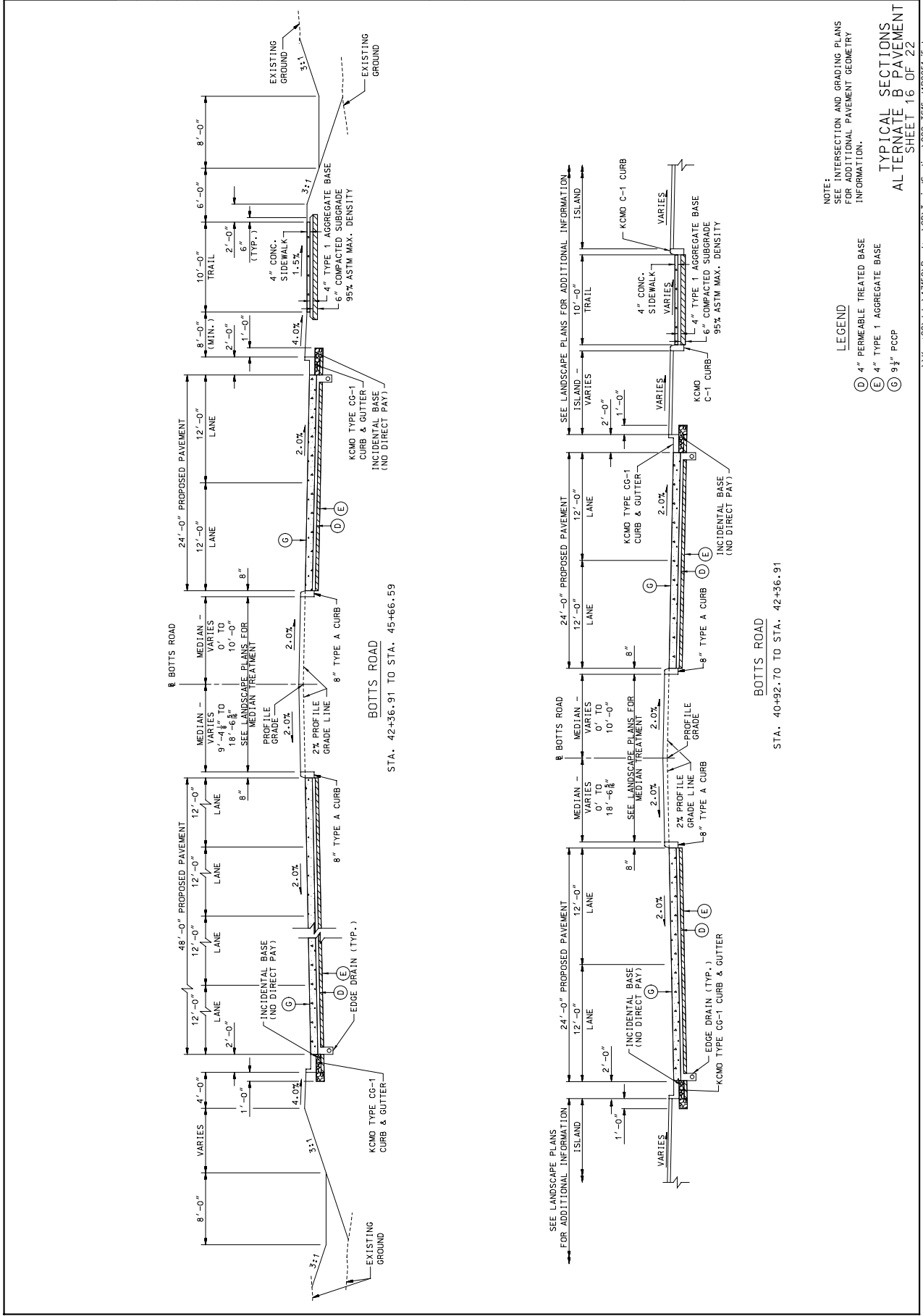
MO DOT

715 KIRK DRIVE
KANSAS CITY, MO 64105
(816) 472-1201
CERTIFICATE OF AUTHORITY
NO. 00170

DATE PREPARED: 02-19-2010
DRAWN BY: MJD
CHECKED BY: JMD
PROJECT NO.: 4
COUNTY: JACKSON
JOB NO.: J4P2251
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

THIS WORK SHOULD BE CONSIDERED PRELIMINARY AND SUBJECT TO CHANGE. A CHECKED DRAWING IS NOT FOR CONSTRUCTION.

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



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

DATE PREPARED	02-19-2010
DATE	MID
ROUTE	130
PROJECT NO.	4
COUNTY	JACKSON
JOB NO.	J4P2251
CONTRACT ID.	30494.50 LT.
PROJECT NO.	
BRIDGE NO.	

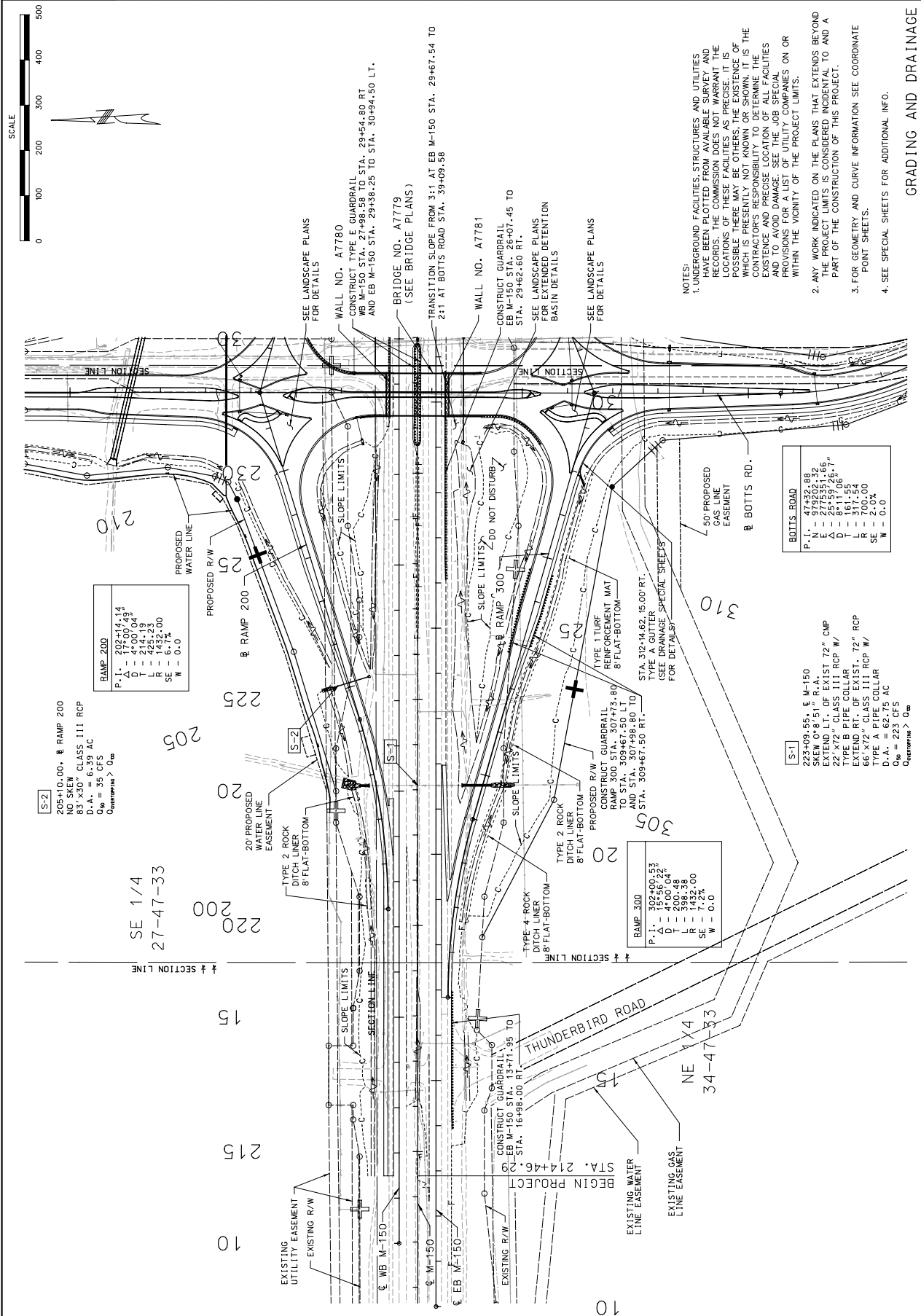
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MDOT (1-888-275-6696)

HNTB

715 KIRK DRIVE
KANSAAS CITY, MO 64105
(816) 472-1201
CERTIFICATE OF AUTHORITY
NO. 00170



14-32 24-FEB-2010

\\kccw001\jobs\71501\Roadway\CD\GradingPlan\004_PP_14P2251_1000.dgn

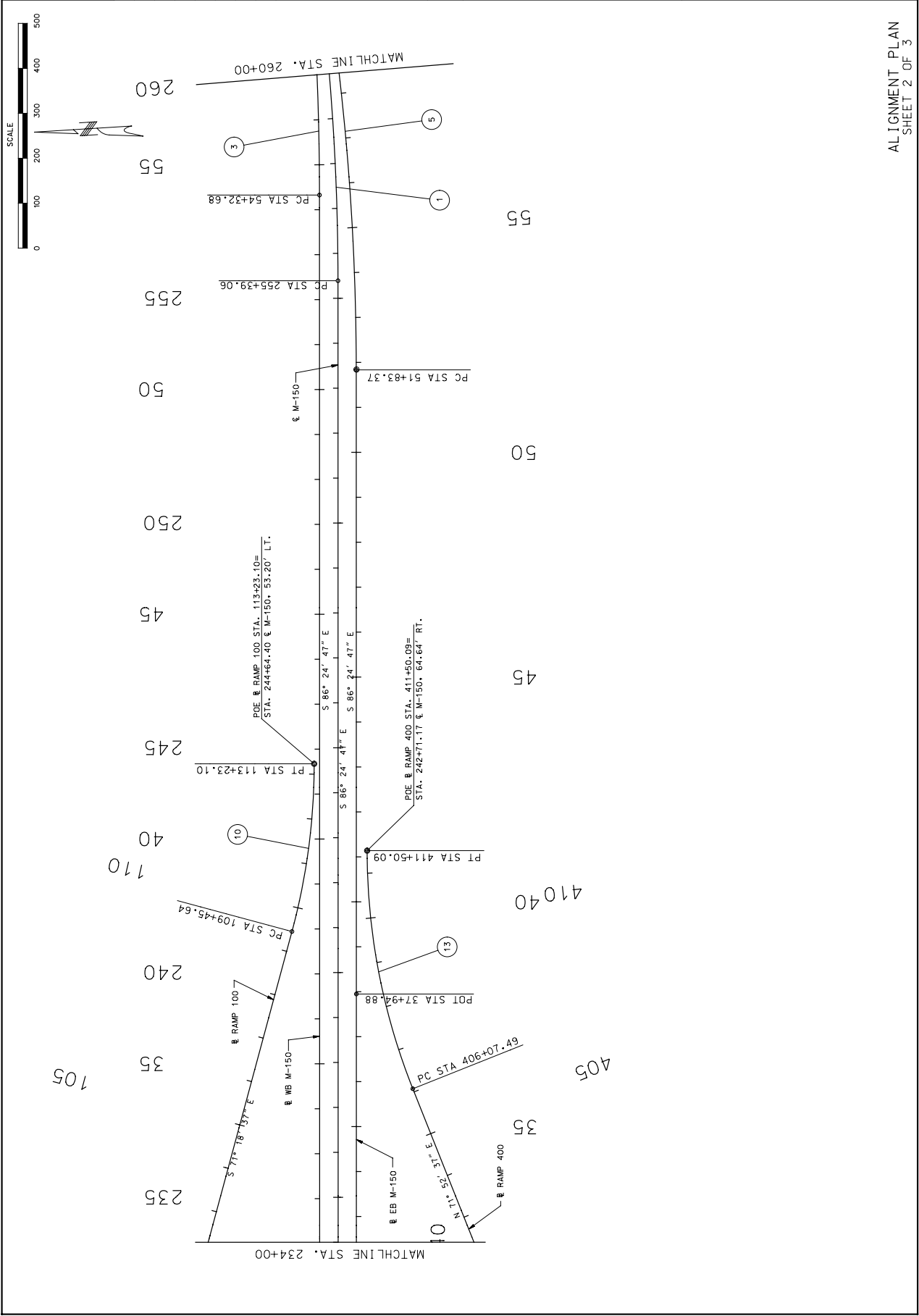
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DATE PREPARED	02-19-2010
DATE	1-13-10
MO	4
YEAR	2010
COUNTY	JACKSON
JOB NO.	J4P2251
CONTRACT ID.	
PROJECT NO.	
BRTIDGE NO.	
DESCRIPTION	
DATE	

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 105 WEST CAPITOL JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6936)



HNTB
 715 KIRK DRIVE
 KANSAS CITY, MO 64105
 (816) 472-1201
 CERTIFICATE OF AUTHORITY
 NO. 001270



14-33 24-FEB-2010 \\kcm00\Users\47150\Roadway\CD\Geometry\021_CP_J4P2251\100.dgn

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 (1-888-275-6936)

NO. 001270
 CERTIFICATE OF AUTHORITY
 (816) 472-1201
 715 KIRK DRIVE
 KANSAS CITY, MO 64105

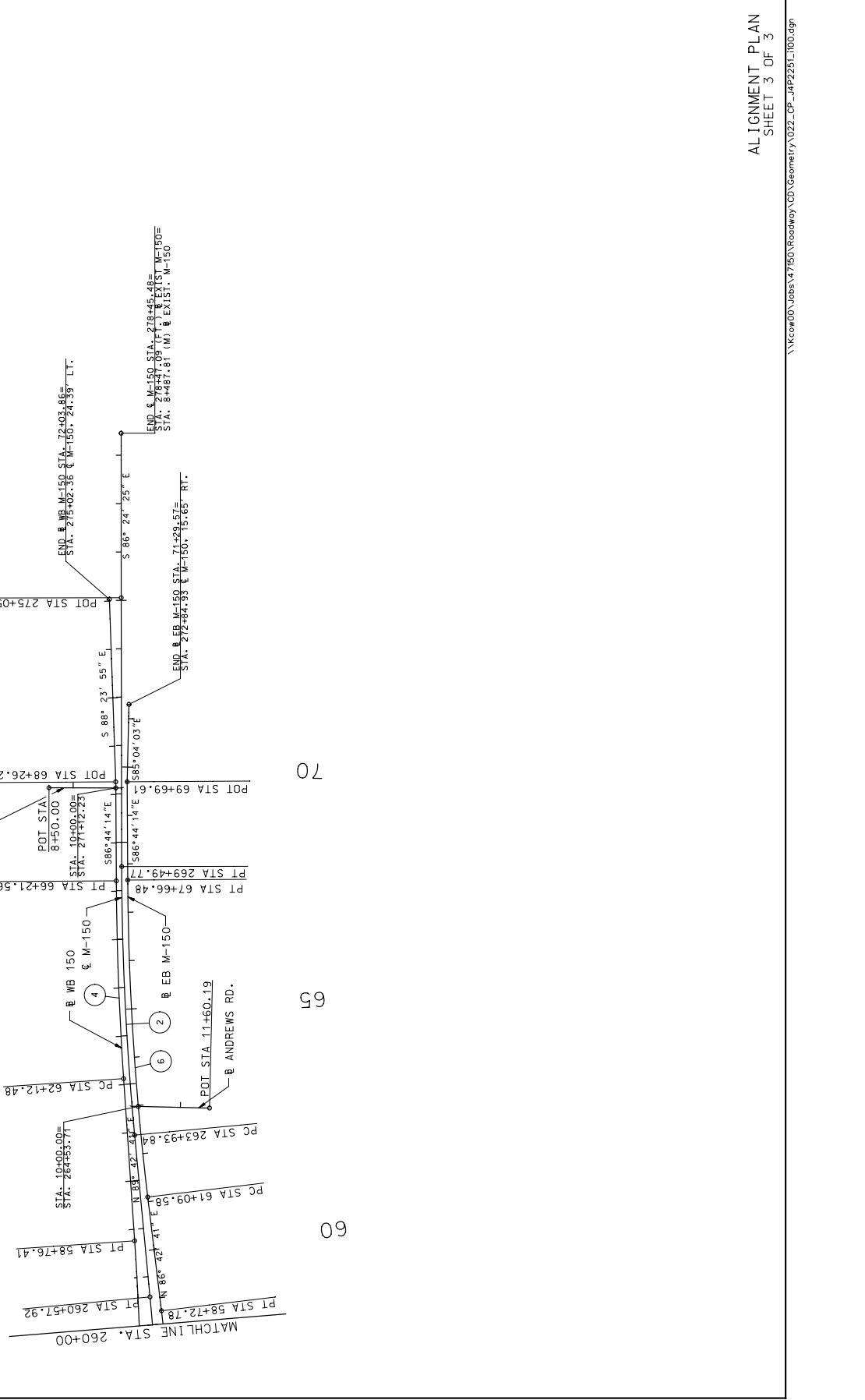
DATE PREPARED 02-19-2010
 STATE MO
 COUNTY JACKSON
 PROJECT NO. J4P2251
 CONTRACT ID.
 PROJECT NO.
 BIDDING NO.

NO. 001270
 CERTIFICATE OF AUTHORITY
 (816) 472-1201
 715 KIRK DRIVE
 KANSAS CITY, MO 64105

DATE PREPARED 02-19-2010
 STATE MO
 COUNTY JACKSON
 PROJECT NO. J4P2251
 CONTRACT ID.
 PROJECT NO.
 BIDDING NO.

NO. 001270
 CERTIFICATE OF AUTHORITY
 (816) 472-1201
 715 KIRK DRIVE
 KANSAS CITY, MO 64105

DATE PREPARED 02-19-2010
 STATE MO
 COUNTY JACKSON
 PROJECT NO. J4P2251
 CONTRACT ID.
 PROJECT NO.
 BIDDING NO.

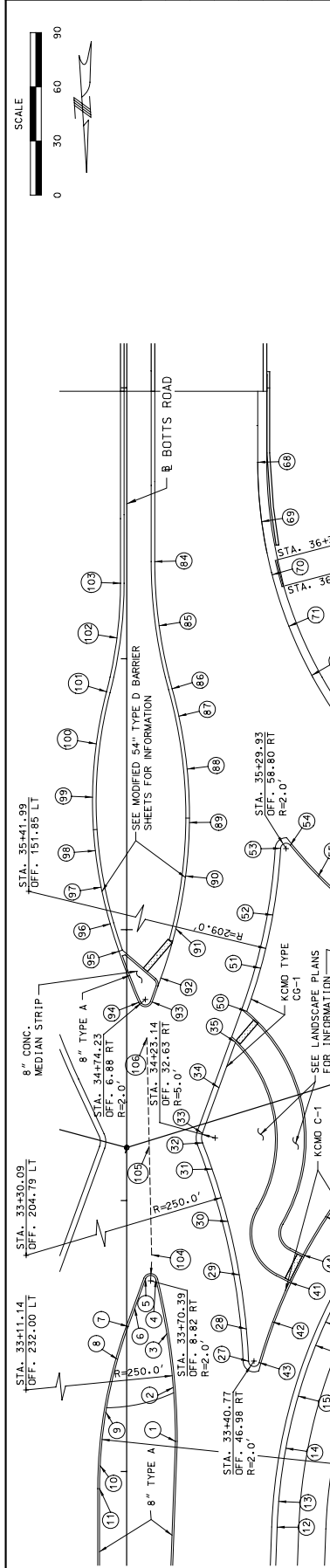


ALIGNMENT PLAN
 SHEET 3 OF 3

DATE PREPARED 02-19-2010
 DRAWN BY JMD
 CHECKED BY JMD
 DESIGNED BY JMD
 COUNTY JACKSON
 JOB NO. J4P2251
 CONTRACT NO.
 PROJECT NO.
 BRIDGE NO.

MODOT
 MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 105 WEST CAPITOL
 JEFFERSON CITY, MO 65103
 1-888-ASK-MOD01 (1-888-275-6936)

MO 00170 CERTIFICATE OF AUTHORITY
 715 MIKKA DRIVE
 KANSAS CITY, MO 64105
 (816) 472-1201



POINT NO.	STATION	OFFSET	RT/EV	REMARKS
1	33+11.4	18.00'	LT	1028.08 PC
2	33+31.05	17.21'	RT	1028.71
3	33+50.85	14.83'	RT	1029.37
4	33+70.87	10.76'	RT	1029.99 PCC
5	33+76.97	6.94'	RT	1030.00 PT
6	33+76.97	6.94'	RT	1030.00 PT
7	33+53.52	0.55'	RT	1029.76 PC
8	33+41.39	3.37'	RT	1029.31
9	33+21.95	7.70'	LT	1028.63
10	33+02.15	9.60'	LT	1027.98
11	32+93.66	10.07'	LT	1027.71
12	32+88.99	9.92'	RT	1027.61
13	32+68.99	5.97'	RT	1025.84 PC
14	33+08.59	5.825'	RT	1026.52
15	33+27.85	6.331'	RT	1027.08
16	33+46.57	6.976'	RT	1027.62
17	33+62.12	7.677'	RT	1028.05
18	33+70.94	8.149'	RT	1028.30
19	33+97.65	9.956'	RT	1029.16
20	34+12.43	12.821'	RT	1029.38
21	34+25.84	12.738'	RT	1029.35
22	34+37.74	14.320'	RT	1029.12
23	34+48.02	16.011'	RT	1028.86
24	34+57.82	18.096'	RT	1028.56
25	34+57.82	18.096'	RT	1028.56

POINT NO.	STATION	OFFSET	RT/EV	REMARKS
26*	34+67.29	19.21'	RT	1028.35 PI
27	33+40.69	44.99'	RT	1028.25
28	33+52.63	44.19'	RT	1028.64
29	33+72.61	41.57'	RT	1029.56
30	33+92.32	37.34'	RT	1030.31
31	34+11.62	31.94'	RT	1031.01
32	34+24.85	27.33'	RT	1031.47
33	34+24.85	27.33'	RT	1031.47
34	34+41.66	24.04'	RT	1031.85
35	34+58.31	40.11'	RT	1032.16
36	NOT USED			
37	NOT USED			
38	NOT USED			
39	NOT USED			
40	NOT USED			
41	33+69.88	59.99'	RT	1028.87
42	33+55.25	53.85'	RT	1028.53
43	33+40.22	48.91'	RT	1028.13
44	33+80.01	65.08'	RT	1028.77
45	NOT USED			
46	NOT USED			
47	NOT USED			
48	NOT USED			
49	NOT USED			
50	34+69.84	44.30'	RT	1032.18
51	34+85.76	49.44'	RT	1032.58
52	35+02.21	55.91'	RT	1033.16
53	35+15.69	63.36'	RT	1033.76
54	35+31.98	60.36'	RT	1033.76
55	35+19.62	70.65'	RT	1033.14
56	35+06.14	85.52'	RT	1032.41
57	34+94.57	101.92'	RT	1031.67
58	34+85.08	119.60'	RT	1030.95
59	34+72.31	138.66'	RT	1029.89
60	34+72.31	138.66'	RT	1029.89
61	34+68.52	161.12'	RT	1029.58
62	34+61.38	146.43'	RT	1029.78
63	34+51.00	129.27'	RT	1030.03
64	34+38.95	113.23'	RT	1030.24
65	34+25.36	98.48'	RT	1030.25
66	34+12.43	83.46'	RT	1029.99
67	33+94.10	73.42'	RT	1029.64

POINT NO.	STATION	OFFSET	RT/EV	REMARKS
68	36+72.53	48.33'	RT	1036.10
69	36+72.53	48.33'	RT	1036.10
70	36+50.98	53.65'	RT	1035.59
71	36+30.98	53.65'	RT	1035.59
72	35+93.86	59.84'	RT	1035.09
73	35+93.86	59.84'	RT	1035.09
74	35+76.90	78.67'	RT	1034.46
75	35+61.34	91.42'	RT	1033.66
76	35+47.42	105.75'	RT	1032.70
77	35+27.25	138.53'	RT	1031.72
78	35+27.25	138.53'	RT	1031.72
79	35+17.54	157.29'	RT	1029.67
80	35+17.54	157.29'	RT	1029.67
81	35+07.42	196.18'	RT	1028.85
82	35+07.42	196.18'	RT	1028.85
83	35+09.10	236.08'	RT	1027.84
84	35+14.80	265.18'	RT	1026.83
85	35+14.80	265.18'	RT	1026.83
86	35+12.16	11.94'	RT	1036.41
87	35+88.92	16.74'	RT	1035.89
88	35+78.80	19.23'	RT	1035.42
89	35+59.27	22.73'	RT	1034.71
90	35+19.81	21.41'	RT	1033.73
91	35+00.38	18.13'	RT	1033.29
92	34+82.13	12.60'	RT	1033.04
93	34+73.32	9.39'	RT	1032.89
94	34+73.32	9.39'	RT	1032.89
95	34+73.32	9.39'	RT	1032.89
96	35+02.21	2.86'	LT	1033.74
97	35+15.69	9.47'	LT	1034.06
98	35+29.17	11.60'	LT	1034.41
99	35+48.89	12.64'	LT	1034.68
100	35+68.58	11.24'	LT	1035.19
101	35+87.81	7.47'	LT	1036.08
102	35+92.86	2.35'	LT	1036.45
103	35+92.86	2.35'	LT	1036.45
104	33+80.00	9.21'	RT	1030.01
105	34+20.00	8.31'	RT	1031.22
106	34+60.00	7.42'	RT	1032.43

LAYOUT POINTS
 ALL LAYOUT POINTS IN THIS TABLE ARE LOCATED AT THE EDGE OF PAVEMENT.

NOTES:
 1. ALL STATION AND OFFSETS ARE TO BOTTS ROAD UNLESS OTHERWISE NOTED.
 2. ALL STATIONS, OFFSETS, ELEVATIONS AND DIMENSIONS ARE TO THE TOP BACK OF CURB UNLESS OTHERWISE NOTED.
 3. SEE LANDSCAPE PLANS FOR ADDITIONAL INFORMATION.

INTERSECTION DETAILS
 BOTTS RD. AND RAMP 200
 SPECIAL SHEET 2 OF 27

* LOCATED AT THE EDGE OF PAVEMENT.

SCALE
 0 30 60 90

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

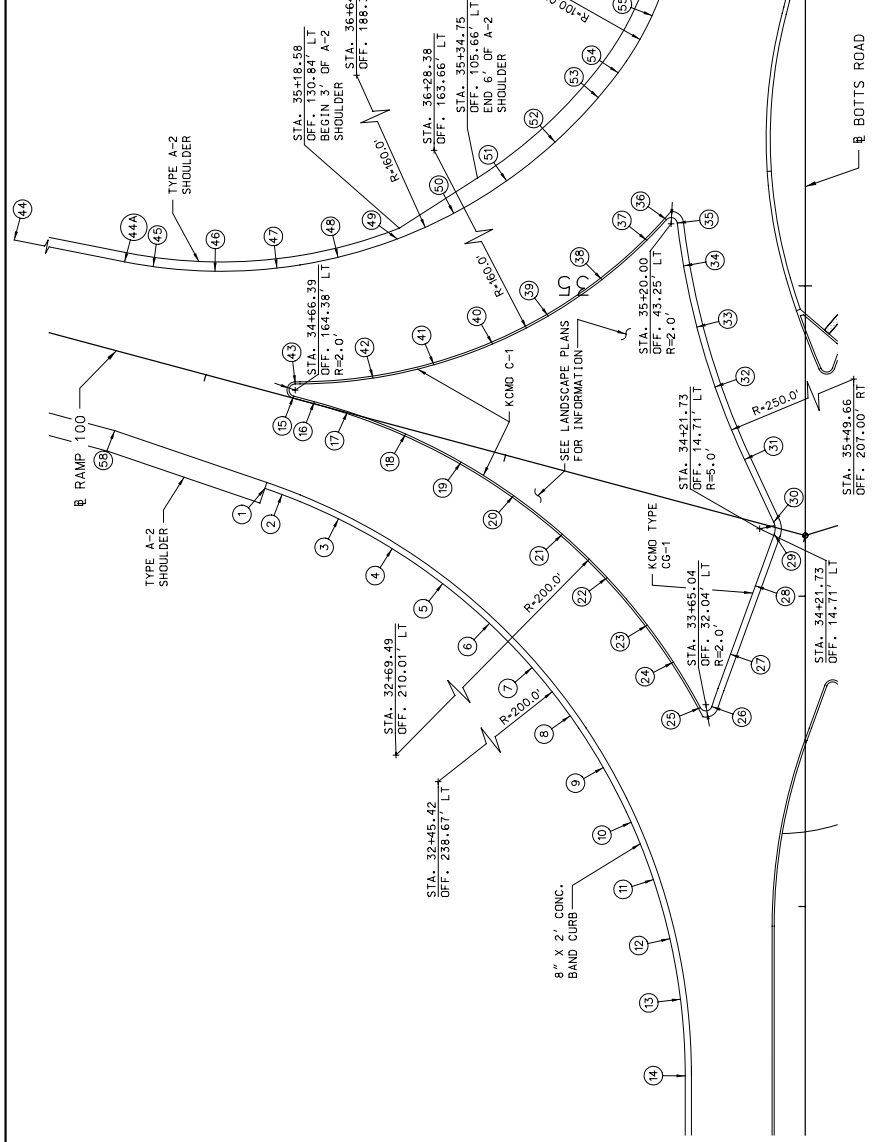
11-188-ASK-MOD01 (1-888-275-6936) MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
 JEFFERSON CITY, MO 65103
 1-888-ASK-MOD01 (1-888-275-6936)

MO 00170 CERTIFICATE OF AUTHORITY
 715 MIKKA DRIVE
 KANSAS CITY, MO 64105
 (816) 472-1201

DATE PREPARED 02-19-2010
 DRAWN BY JMD
 CHECKED BY JMD
 DESIGNED BY JMD
 COUNTY JACKSON
 JOB NO. J4P2251
 CONTRACT NO.
 PROJECT NO.
 BRIDGE NO.

SCALE
0 30 60 90



POINT NO.	STATION	OFFSET/RT	ELEVATION	REMARKS	
44	35+17.51	268.85'	LT	1023.65	PI
44A	35+07.72	219.38'	LT	1024.84	PC
45	35+07.72	107.06'	LT	1025.59	PT
46	35+04.69	60.23'	LT	1025.99	PC
47	35+05.70	170.27'	LT	1026.12	PT
48	35+09.19	150.59'	LT	1026.86	PC
49	35+15.11	131.50'	LT	1027.84	PT
50	35+23.36	113.30'	LT	1028.97	PC
51	35+33.82	96.26'	LT	1030.31	PT
52	35+46.87	77.71'	LT	1031.86	PC
53	35+60.67	66.75'	LT	1033.66	PT
54	35+68.68	60.33'	LT	1033.52	PCC
55	35+67.08	49.39'	LT	1034.51	PT
56	36+07.39	42.62'	LT	1035.27	PC
57	36+28.68	40.33'	LT	1035.78	PT
58	34+53.34	122.56'	LT	1025.17	PI

*** ALL LAYOUT POINTS IN THIS AREA ARE TO BE SET AT THE EDGE OF PAVEMENT.

POINT NO.	STATION	OFFSET/RT	ELEVATION	REMARKS	
1	34+34.73	174.15'	LT	1026.35	PC
2	34+32.75	168.62'	LT	1026.50	PT
3	34+31.91	163.10'	LT	1027.01	PC
4	34+31.91	157.58'	LT	1027.40	PT
5	34+04.04	116.86'	LT	1027.78	PC
6	33+91.23	101.78'	LT	1028.01	PT
7	33+76.98	88.04'	LT	1028.20	PC
8	33+61.45	75.77'	LT	1028.21	PT
9	33+44.78	65.10'	LT	1027.89	PC
10	33+27.69	48.94'	LT	1027.86	PT
11	33+08.83	33.14'	LT	1027.86	PC
12	32+89.82	43.62'	LT	1026.27	PT
13	32+70.12	40.20'	LT	1025.70	PC
14	32+45.42	36.67'	LT	1024.92	PT
15	34+64.45	164.69'	LT	1027.48	PC
16	34+62.67	158.22'	LT	1027.65	PT
17	34+59.75	152.70'	LT	1028.32	PC
18	34+52.25	126.70'	LT	1028.42	PT
19	34+43.20	110.89'	LT	1028.82	PC
20	34+32.40	93.99'	LT	1029.09	PT
21	34+18.96	78.25'	LT	1029.28	PC
22	34+06.00	63.84'	LT	1029.45	PT
23	33+90.68	50.91'	LT	1029.52	PC
24	33+74.41	38.41'	LT	1029.52	PT
25	33+64.09	33.80'	LT	1028.37	PC
26	33+64.42	30.13'	LT	1028.75	PT
27	33+81.31	24.10'	LT	1029.88	PC
28	34+03.35	16.08'	LT	1030.72	PT
29	34+20.02	10.01'	LT	1031.35	PC
30	34+23.84	10.88'	LT	1031.47	PT
31	34+26.43	11.75'	LT	1032.18	PC
32	34+67.43	29.09'	LT	1032.18	PT
33	34+86.72	34.95'	LT	1032.94	PC
34	35+06.41	39.23'	LT	1033.55	PT
35	35+20.24	41.27'	LT	1033.97	PC
36	35+21.34	44.74'	LT	1033.66	PT
37	35+14.69	51.05'	LT	1033.18	PC
38	35+14.69	51.05'	LT	1033.18	PT
39	34+90.29	82.86'	LT	1030.95	PC
40	34+81.26	100.78'	LT	1029.97	PT
41	34+74.54	119.70'	LT	1029.10	PC
42	34+70.25	139.30'	LT	1028.33	PT
43	34+68.39	164.37'	LT	1027.52	PC

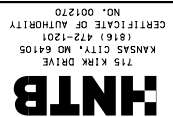
- NOTES:
1. ALL STATION AND OFFSETS ARE TO BOTTS ROAD UNLESS OTHERWISE NOTED.
 2. ALL STATIONS, OFFSETS, ELEVATIONS AND DIMENSIONS ARE TO THE TYPE BACK OF CURB UNLESS OTHERWISE NOTED.
 3. SEE LANDSCAPE PLANS FOR ADDITIONAL INFORMATION.

INTERSECTION DETAILS
BOTTS RD. AND RAMP 100
SPECIAL SHEET 3 OF 27

DATE PREPARED	02-19-2010
STATE	MO
COUNTY	JACKSON
JOB NO.	J4P2251
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

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

HNTB
715 MIKKA DRIVE
KANSAAS CITY, MO 64105
(816) 472-1201
CERTIFICATE OF AUTHORITY
NO. 001270

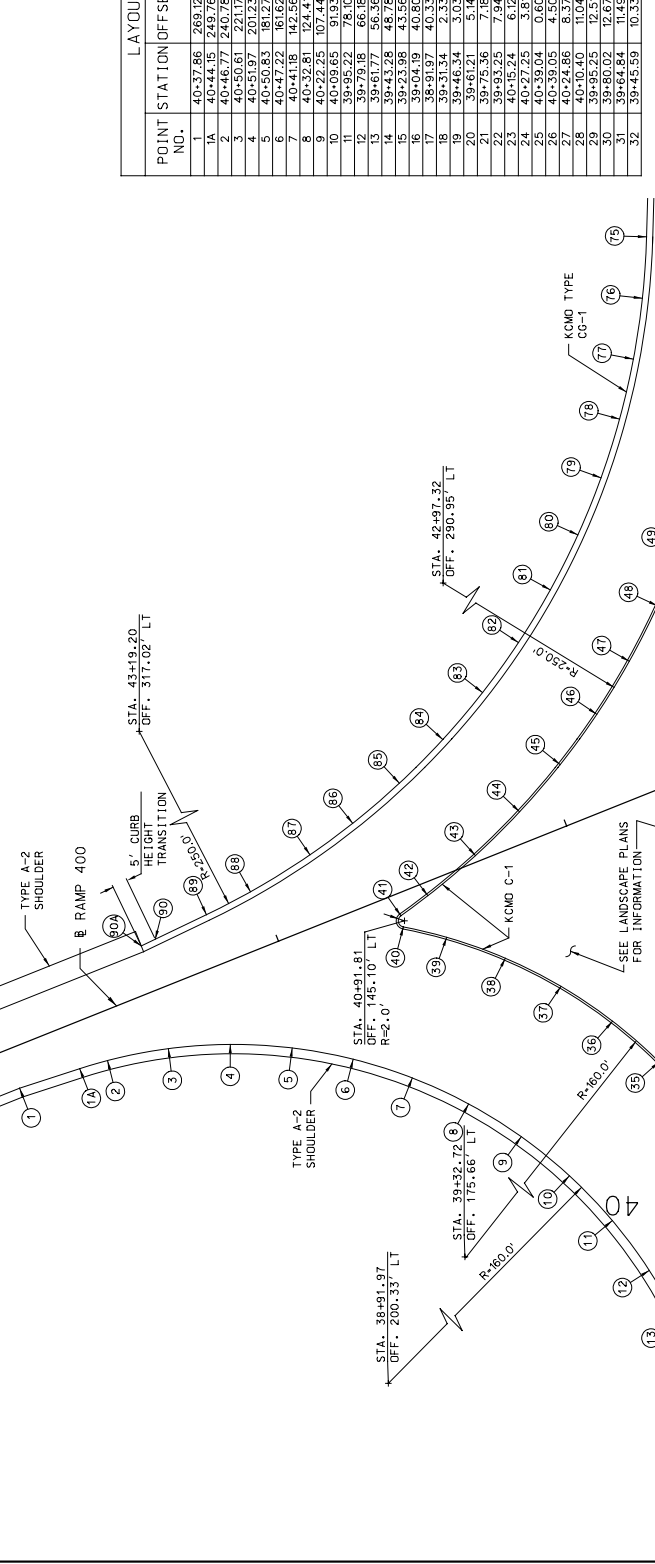
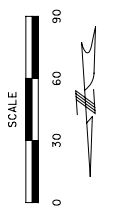


HNTB
715 MIKE DRIVE
KANSAAS CITY, MO 64105
(816) 472-1201
CERTIFICATE OF AUTHORITY
NO. 001270



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

PROJECT NO.	
BRIEF NO.	
CONTRACT NO.	
JOB NO.	
COUNTY	JACKSON
ROUTE	130
DATE PREPARED	02-19-2010
DRAWN BY	
CHECKED BY	
IN CHARGE	
DATE	
DESCRIPTION	



LAYOUT POINTS			
POINT NO.	STATION	OFFSET/RT/ LT	ELEVATION/REMARKS
1	40+37.86	269.12' LT	1035.27 PT
2	40+44.15	249.76' LT	1036.27 PC
3	40+46.77	240.76' LT	1036.52
4	40+50.61	221.17' LT	1037.61
5	40+51.97	201.23' LT	1038.06
6	40+50.83	181.27' LT	1038.73
7	40+44.78	162.56' LT	1038.95
8	40+32.81	124.41' LT	1039.1
9	40+22.25	107.44' LT	1039.18
10	40+09.65	91.93' LT	1039.18
11	39+95.22	76.10' LT	1039.11
12	39+79.19	66.18' LT	1039.11
13	39+67.24	58.78' LT	1038.98
14	39+43.26	48.78' LT	1038.62
15	39+23.98	43.58' LT	1038.45
16	39+04.19	40.80' LT	1038.45 PT
17	38+19.97	40.33' LT	1038.35
18	39+31.34	2.33' LT	1038.54 PC
19	39+46.34	3.03' LT	1038.77
20	39+75.56	7.18' LT	1039.86 PRC
21	39+93.25	7.94' LT	1039.99
22	40+15.24	6.12' LT	1040.31
23	40+27.25	3.81' LT	1040.5
24	40+39.04	0.60' LT	1040.86 PCC
25	40+39.05	4.50' RT	1040.73
26	40+40.40	11.04' RT	1040.05
27	39+95.25	12.51' RT	1039.88
28	39+80.02	12.67' RT	1039.74
29	39+64.84	11.49' RT	1039.7
30	39+45.59	10.33' RT	1039.49 PT

* ALL LAYOUT POINTS IN THIS TABLE ARE LOCATED AT THE EDGE OF PAVEMENT.

LAYOUT POINTS			
POINT NO.	STATION	OFFSET/RT/ LT	ELEVATION/REMARKS
78	42+53.49	75.81' LT	1041.48
79	42+34.57	81.78' LT	1041.1
80	42+16.19	89.23' LT	1040.65
81	41+98.45	98.11' LT	1040.25
82	41+81.48	108.37' LT	1039.86
83	41+65.37	119.93' LT	1039.53
84	41+50.18	132.68' LT	1038.87
85	41+35.15	146.74' LT	1038.54
86	41+23.23	161.79' LT	1038.54
87	41+13.08	175.55' LT	1038.25
88	41+01.16	194.72' LT	1037.84
89	40+93.78	208.92' LT	1037.49
90	40+86.87	223.91' LT	1036.80
90A	40+86.21	223.92' LT	1036.54

NOTES:
1. ALL STATION AND OFFSETS ARE TO & BOTTIS ROAD UNLESS OTHERWISE NOTED.
2. ALL STATIONS, OFFSETS, ELEVATIONS AND CURB UNLESS OTHERWISE NOTED.
3. SEE LANDSCAPE PLANS FOR ADDITIONAL INFORMATION.

INTERSECTION DETAILS
BOTTIS RD. AND RAMP 400
SPECIAL SHEET 4 OF 27

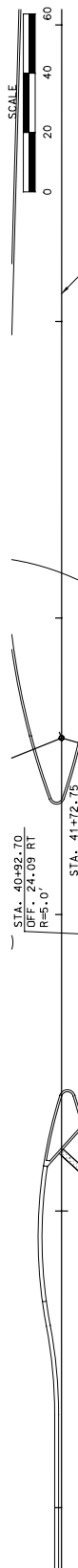
LAYOUT POINTS			
POINT NO.	STATION	OFFSET/RT/ LT	ELEVATION/REMARKS
63	40+23.17	39.52' LT	1040.14 PRC
64	41+96.95	10.00' RT	1042.59 PC
65	41+90.78	9.89' RT	1042.55
66	41+70.95	8.06' RT	1042.38
67	41+51.46	3.98' RT	1042.27 PCC
68	41+39.12	3.46' LT	1042.03
69	41+31.37	7.66' LT	1042.20
70	41+17.64	12.77' LT	1042.28
71	41+00.26	16.33' LT	1042.40
72	42+10.11	18.32' LT	1042.51
73	42+31.99	18.66' LT	1042.55 PT
74	42+31.99	18.66' LT	1042.55
75	42+93.44	68.46' LT	1043.32 PC
76	42+72.82	71.36' LT	1042.00

LAYOUT POINTS			
POINT NO.	STATION	OFFSET/RT/ LT	ELEVATION/REMARKS
48	41+93.34	63.60' LT	1041.12
49	42+11.89	56.00' LT	1041.48
50	42+33.42	49.25' LT	1041.89 PRC
51	42+32.85	45.32' LT	1041.98 PT
52	42+33.03	45.87' LT	1041.78 PC
53	41+54.93	42.45' LT	1041.38
54	41+44.57	36.29' LT	1041.28
55	41+25.25	32.54' LT	1041.21
56	41+00.42	22.55' LT	1041.18
57	40+99.91	137.66' LT	1039.27
58	40+92.73	18.96' LT	1041.17
59	40+88.91	18.90' LT	1041.14
60	40+86.32	30.70' LT	1040.95
61	40+56.19	35.70' LT	1040.38
62	40+39.87	35.84' LT	1040.38

LAYOUT POINTS			
POINT NO.	STATION	OFFSET/RT/ LT	ELEVATION/REMARKS
33	40+22.39	43.15' LT	1040.01
34	40+31.26	49.60' LT	1039.97
35	40+46.39	63.06' LT	1039.91
36	40+59.49	78.03' LT	1039.85
37	40+70.71	94.67' LT	1039.79
38	40+82.06	113.49' LT	1039.46
39	40+88.85	131.49' LT	1039.14
40	40+89.85	145.47' LT	1039.14
41	40+93.45	146.25' LT	1038.74
42	40+99.91	137.66' LT	1039.27
43	41+12.83	122.23' LT	1039.56
44	41+25.94	107.99' LT	1039.66
45	41+39.12	93.32' LT	1039.84
46	41+55.32	83.13' LT	1040.44
47	41+75.46	72.66' LT	1040.75

DATE PREPARED 02-19-2010
 DRAWN BY JMD
 CHECKED BY SJD
 COUNTY JACKSON
 PROJECT NO. J4P2251
 CONTRACT NO. J4P2251

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



POINT NO.	STATION	OFFSET	RT/ LT	ELEVATION	REMARKS
1	39+44.41	48.33	RT	1038.64	PC
2	39+76.03	53.46	RT	1038.85	
3	40+04.41	58.53	RT	1038.87	PCC
4	40+28.33	59.41	RT	1038.18	
5	40+28.33	50.41	RT	1038.18	
6	40+40.60	106.18	RT	1037.21	
7	40+50.80	123.37	RT	1036.05	
8	40+60.00	145.15	RT	1034.86	
9	40+64.43	160.87	RT	1034.16	
10	40+67.63	180.59	RT	1033.31	
11	40+68.58	200.39	RT	1032.63	
12	40+68.58	220.24	RT	1031.63	
13	40+64.22	232.72	RT	1031.20	PT
13A	41+13.57	209.64	RT	1032.86	PI

STA. 39+08.41 OFF. 196.33 RT
 STA. 39+44.41 OFF. 146.33 RT
 STA. 40+46.10 OFF. 127.36 RT SHOULDER
 STA. 40+59.05 OFF. 152.09 RT BEGIN 3' OF A-2 SHOULDER
 STA. 41+07.18 OFF. 174.74 RT R=2.0'
 STA. 42+19.97 OFF. 36.67 RT R=2.0'
 STA. 43+03.74 OFF. 222.01 RT R=200.0'
 STA. 43+17.06 OFF. 236.19 RT R=200.0'
 STA. 41+72.75 OFF. 138.33 LT R=175.0'
 STA. 41+72.75 OFF. 174.74 RT R=2.0'
 STA. 40+92.70 OFF. 24.09 RT R=5.0'

POINT NO.	STATION	OFFSET	RT/ LT	ELEVATION	REMARKS
14	41+05.18	174.70	RT	1034.75	PRC
15	41+12.58	174.70	RT	1034.75	
16	41+00.84	134.52	RT	1032.27	
17	40+94.97	115.33	RT	1032.05	
18	40+89.27	102.04	RT	1032.63	
19	40+76.28	79.89	RT	1038.71	
20	40+63.76	64.20	RT	1039.43	PRC
21	40+42.23	44.43	RT	1039.62	
22	40+42.23	39.96	RT	1040.33	
23	40+45.53	39.96	RT	1040.33	PI
24	40+57.11	35.16	RT	1040.50	
25	40+73.85	27.56	RT	1040.82	
26	40+90.58	19.55	RT	1041.14	PC
27	40+94.41	19.39	RT	1041.18	PT
28	41+12.58	50.72	RT	1041.72	PC
29	41+12.58	50.72	RT	1041.72	
30	41+72.75	36.67	RT	1041.58	PT
31	41+95.84	36.67	RT	1041.80	PC
32	42+18.94	36.67	RT	1042.02	PC
33	42+19.76	40.49	RT	1041.87	PRC
34	42+02.87	49.31	RT	1041.30	
35	42+02.87	49.31	RT	1041.30	PT
36	NOT USED	59.70	RT	1040.56	
37	NOT USED				
38	NOT USED				
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40	NOT USED				
41	NOT USED				
42	NOT USED				
43	NOT USED				
44	NOT USED				
45	NOT USED				
46	41+77.87	66.58	RT	1040.30	PC
47	41+55.74	87.49	RT	1038.90	
48	41+36.81	118.85	RT	1037.67	
49	41+16.60	149.85	RT	1036.41	
50	41+11.34	162.41	RT	1034.76	PT
51	41+09.11	175.28	RT	1034.45	PC
52	41+30.99	162.82	RT	1035.28	PC
53	41+41.84	139.75	RT	1036.41	
54	41+58.89	113.78	RT	1037.76	
55	41+77.74	92.89	RT	1039.01	
56	42+03.00	69.80	RT	1040.75	
57	42+08.69	66.09	RT	1040.75	
58	42+25.84	58.20	RT	1041.45	
59	42+43.88	50.06	RT	1041.94	
60	42+62.64	43.73	RT	1042.40	
61	42+81.93	39.30	RT	1042.82	
62	43+01.57	36.79	RT	1043.20	
63	43+09.55	36.33	RT	1043.53	PT

POINT NO.	STATION	OFFSET	RT/ LT	ELEVATION	REMARKS
64	41+05.18	174.70	RT	1034.75	PRC
65	41+12.58	174.70	RT	1034.75	
66	41+00.84	134.52	RT	1032.27	
67	40+94.97	115.33	RT	1032.05	
68	40+89.27	102.04	RT	1032.63	
69	40+76.28	79.89	RT	1038.71	
70	40+63.76	64.20	RT	1039.43	PRC
71	40+42.23	44.43	RT	1039.62	
72	40+42.23	39.96	RT	1040.33	
73	40+45.53	39.96	RT	1040.33	PI
74	40+57.11	35.16	RT	1040.50	
75	40+73.85	27.56	RT	1040.82	
76	40+90.58	19.55	RT	1041.14	PC
77	40+94.41	19.39	RT	1041.18	PT
78	41+12.58	50.72	RT	1041.72	PC
79	41+12.58	50.72	RT	1041.72	
80	41+72.75	36.67	RT	1041.58	PT
81	41+95.84	36.67	RT	1041.80	PC
82	42+18.94	36.67	RT	1042.02	PC
83	42+19.76	40.49	RT	1041.87	PRC
84	42+02.87	49.31	RT	1041.30	
85	42+02.87	49.31	RT	1041.30	PT
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180	NOT USED				

NOTES:
 1. ALL STATION AND OFFSETS ARE TO BOTTIS ROAD UNLESS OTHERWISE NOTED.
 2. ALL STATIONS, OFFSETS, ELEVATIONS AND DIMENSIONS ARE TO THE TOP BACK OF CURB UNLESS OTHERWISE NOTED.
 3. SEE LANDSCAPE PLANS FOR ADDITIONAL INFORMATION.

INTERSECTION DETAILS
 BOTTIS RD. AND RAMP 300
 SPECIAL SHEET 5 OF 27

MSDP HIGHWAY AND TRANSPORTATION COMMISSION
 105 WEST CAPITOL JEFFERSON CITY, MO 65101
 1-888-ASK-MODOT (1-888-275-6636)

DATE DESCRIPTION
 02-19-2010 PRELIMINARY NOT FOR CONSTRUCTION
 DATE DESCRIPTION

SCALE: 20000000:1000000
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DATE PREPARED: 02-19-2010
 STATE: MO
 COUNTY: JACKSON
 PROJECT NO.: J4P2251
 BRIDGE NO.:
 CONTRACT ID:
 JOB NO.:
 SHEET NO.: 4

DATE PREPARED: 02-19-2010
 STATE: MO
 COUNTY: JACKSON
 PROJECT NO.: J4P2251
 BRIDGE NO.:
 CONTRACT ID:
 JOB NO.:
 SHEET NO.: 4

DATE PREPARED: 02-19-2010
 STATE: MO
 COUNTY: JACKSON
 PROJECT NO.: J4P2251
 BRIDGE NO.:
 CONTRACT ID:
 JOB NO.:
 SHEET NO.: 4

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 STATE: MO
 COUNTY: JACKSON
 PROJECT NO.: J4P2251
 BRIDGE NO.:
 CONTRACT ID:
 JOB NO.:
 SHEET NO.: 4

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 STATE: MO
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 CONTRACT ID:
 JOB NO.:
 SHEET NO.: 4

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 SHEET NO.: 4

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 CONTRACT ID:
 JOB NO.:
 SHEET NO.: 4

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 CONTRACT ID:
 JOB NO.:
 SHEET NO.: 4

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 COUNTY: JACKSON
 PROJECT NO.: J4P2251
 BRIDGE NO.:
 CONTRACT ID:
 JOB NO.:
 SHEET NO.: 4

DATE PREPARED: 02-19-2010
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 COUNTY: JACKSON
 PROJECT NO.: J4P2251
 BRIDGE NO.:
 CONTRACT ID:
 JOB NO.:
 SHEET NO.: 4

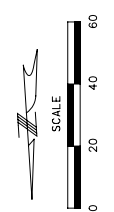
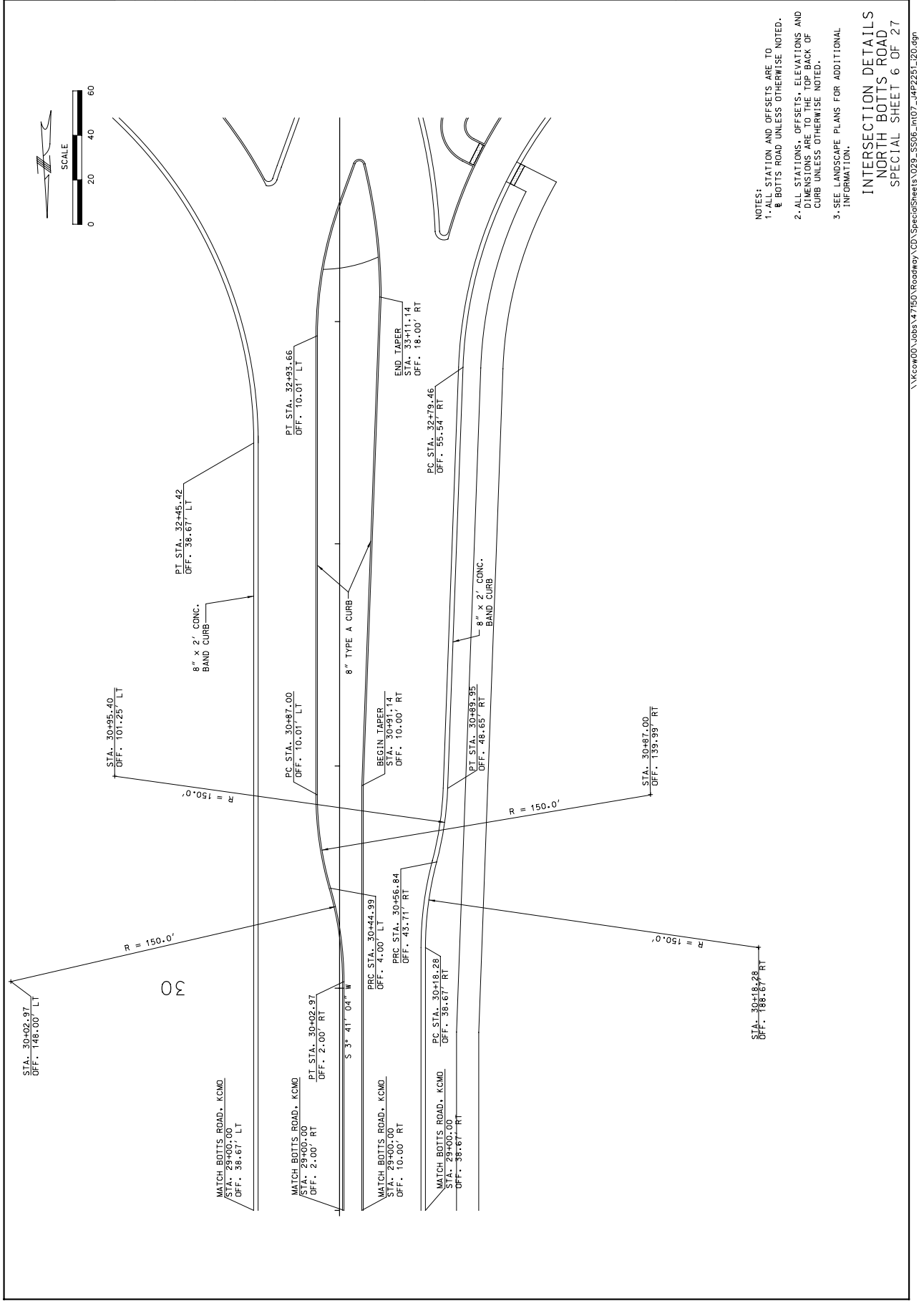
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 STATE: MO
 COUNTY: JACKSON
 PROJECT NO.: J4P2251
 BRIDGE NO.:
 CONTRACT ID:
 JOB NO.:
 SHEET NO.: 4

DATE PREPARED: 02-19-2010
 STATE: MO
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 PROJECT NO.: J4P2251
 BRIDGE NO.:
 CONTRACT ID:
 JOB NO.:
 SHEET NO.: 4

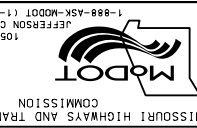
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 STATE: MO
 COUNTY: JACKSON
 PROJECT NO.: J4P2251
 BRIDGE NO.:
 CONTRACT ID:
 JOB NO.:
 SHEET NO.: 4

DATE PREPARED: 02-19-2010
 STATE: MO
 COUNTY: JACKSON
 PROJECT NO.: J4P2251
 BRIDGE NO.:
 CONTRACT ID:
 JOB NO.:
 SHEET NO.: 4

DATE PREPARED: 02-19-2010
 STATE: MO
 COUNTY: JACKSON
 PROJECT NO.: J4P2251
 BRIDGE NO.:
 CONTRACT ID:
 JOB NO.:
 SHEET NO.: 4



715 KIRK DRIVE
 KANSAS CITY, MO 64105
 (816) 472-1201
 CERTIFICATE OF AUTHORITY
 NO. 001270



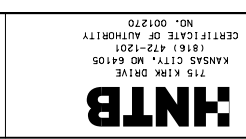
105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MOTD (1-888-275-6936)

- NOTES:
1. ALL STATION AND OFFSETS ARE TO NORTH BOTTTS ROAD UNLESS OTHERWISE NOTED.
 2. ALL STATIONS, OFFSETS, ELEVATIONS AND DIMENSIONS ARE TO THE TOP BACK OF CURB UNLESS OTHERWISE NOTED.
 3. SEE LANDSCAPE PLANS FOR ADDITIONAL INFORMATION.

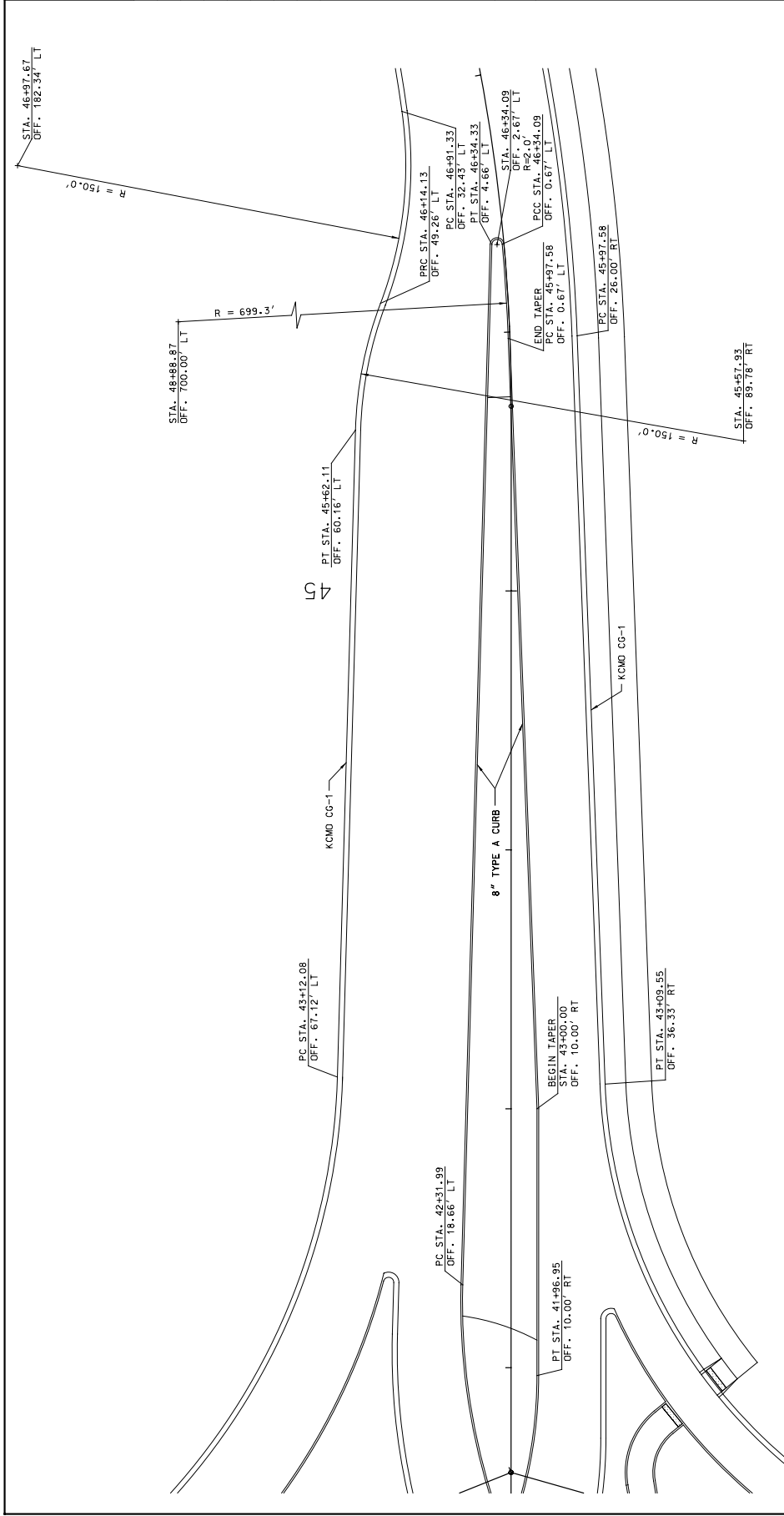
INTERSECTION DETAILS
 NORTH BOTTTS ROAD
 SPECIAL SHEET 6 OF 27

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 (1-888-275-6936)



HNTB
 715 MIKKA DRIVE
 KANSAS CITY, MO 64105
 (816) 472-1201
 CERTIFICATE OF AUTHORITY
 NO. 001270



NOTES:

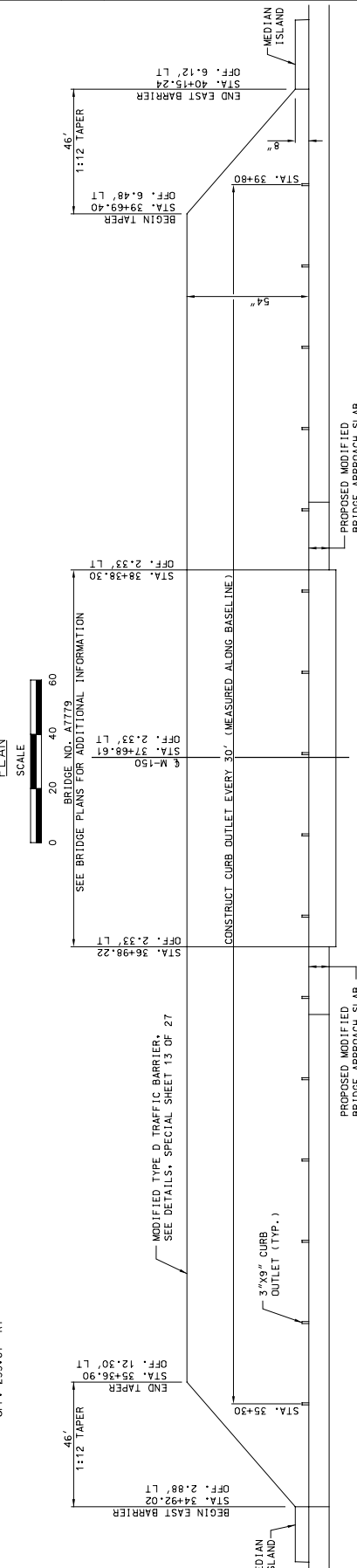
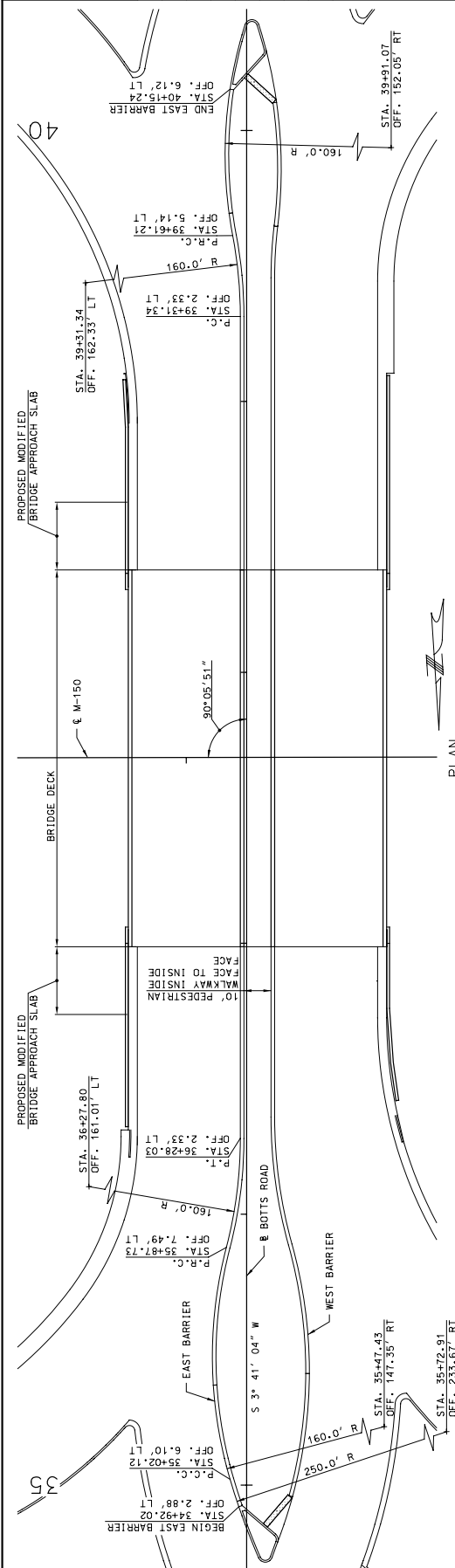
- ALL STATION AND OFFSETS ARE TO & BOTTS ROAD UNLESS OTHERWISE NOTED.
- ALL STATIONS, OFFSETS, ELEVATIONS AND TAPERINGS SHOULD BE CHECKED AGAINST THE BACK OF CURB UNLESS OTHERWISE NOTED.
- SEE LANDSCAPE PLANS FOR ADDITIONAL INFORMATION.

INTERSECTION DETAILS
 SOUTH BOTTS ROAD
 SPECIAL SHEET 7 OF 27

DATE PREPARED	02-19-2010
DATE	130
MO	4
YEAR	10
COUNTY	JACKSON
JOB NO.	J4P2251
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
DESCRIPTION	

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 105 WEST CAPITOL JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6936)

HNTB
 715 N. KIRK DRIVE
 KANSAS CITY, MO 64105
 (816) 472-1201
 CERTIFICATE OF AUTHORITY NO. 001270



NOTES:
 1. ALL DIMENSIONS, STATIONS AND OFFSETS ARE TO THE CENTERLINE OF PUBLIC SIDE OF BARRIER UNLESS OTHERWISE NOTED.
 2. ALL DIMENSIONS, STATIONS AND OFFSETS ARE FROM & BOTTS ROAD UNLESS OTHERWISE NOTED.

TYPICAL SECTION
 STA. 36+28.03 TO STA. 39+31.34
 SCALE: AS SHOWN

TYPICAL SECTION
 STA. 34+92.02 TO STA. 36+28.03
 STA. 39+31.34 TO STA. 40+15.24
 SCALE: AS SHOWN

PROPOSED PAVEMENT
 PROPOSED PAVEMENT
 10' PEDESTRIAN WALKWAY
 MODIFIED TYPE D BARRIER (TYP.)
 54"

USER NAME mpjrunner

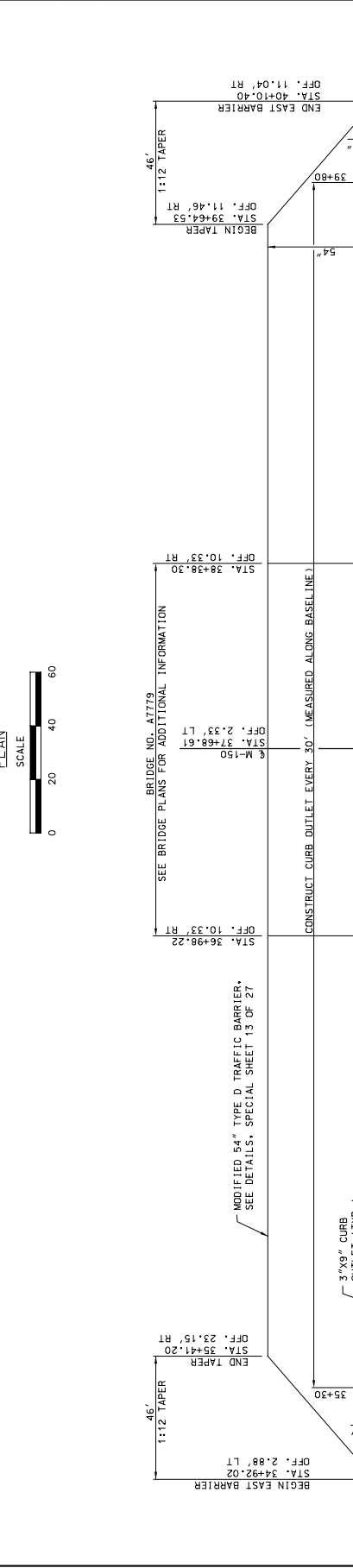
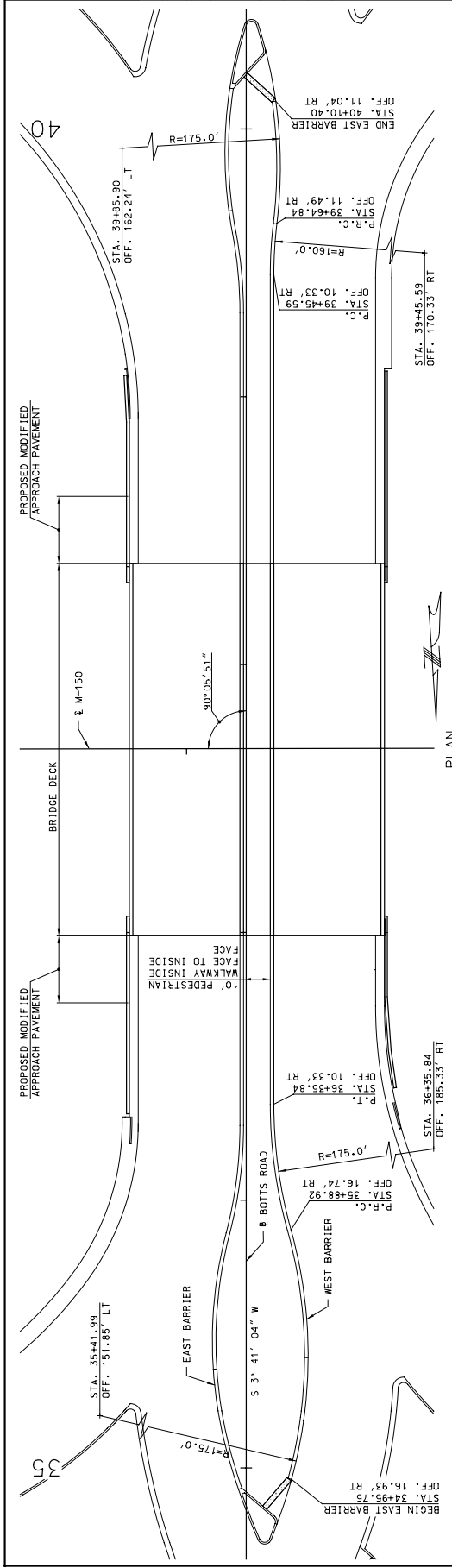
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IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DATE PREPARED	02-19-2010
DATE	130
MO	4
YEAR	2010
COUNTY	JACKSON
JOB NO.	J4P2251
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
DESCRIPTION	

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6936)



BRIDGE NO. A7719

SEE BRIDGE PLANS FOR ADDITIONAL INFORMATION

CONSTRUCT CURB OUTLET EVERY 30' (MEASURED ALONG BASELINE)

PROPOSED MODIFIED BRIDGE APPROACH SLAB

PROPOSED MODIFIED BRIDGE APPROACH PAVEMENT

PROPOSED MODIFIED APPROACH PAVEMENT

BRIDGE DECK

10' PEDESTRIAN WALKWAY INSIDE FACE TO INSIDE

EAST BARRIER

WEST BARRIER

BOTTS ROAD

MODIFIED 54" TYPE D TRAFFIC BARRIER, SEE DETAILS, SPECIAL SHEET 13 OF 27

3"x9" CURB OUTLET (TYP.)

END TAPER

BEGIN EAST BARRIER

BEGIN TAPER

END EAST BARRIER

STATIONING AND OFFSETS: STA. 34+92.02, STA. 34+95.75, STA. 35+30, STA. 36+35.84, STA. 36+38.30, STA. 36+45.84, STA. 36+48.61, STA. 38+38.30, STA. 39+45.59, STA. 39+48.61, STA. 39+80, STA. 40+10.40, STA. 40+15.84

NOTES:

- ALL DIMENSIONS, STATIONS AND OFFSETS ARE TO THE TRAFFIC SIDE, T.O.E OF BARRIER UNLESS OTHERWISE NOTED.
- ALL DIMENSIONS, STATIONS AND OFFSETS ARE FROM & BOTTS ROAD UNLESS OTHERWISE NOTED.
- SEE SPECIAL SHEET 11, EAST MODIFIED 54" TYPE D BARRIER DETAIL FOR TYPICAL SECTIONS.

WEST MODIFIED 54" TYPE D BARRIER DETAIL
 SPECIAL SHEET 12 OF 27

USER NAME: mpmiller

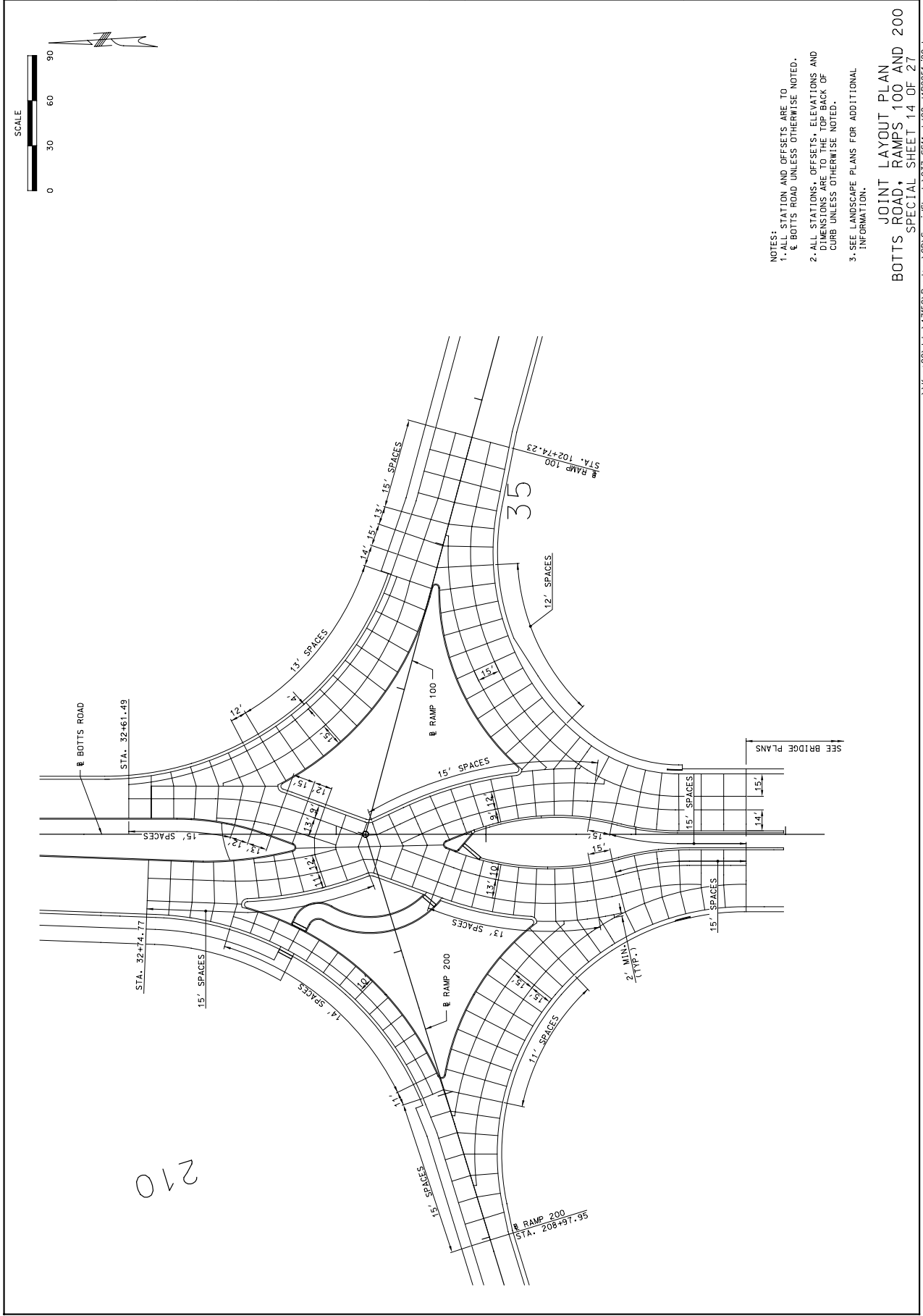
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PEN TABLE \\fcs\00\jobs\47150\Roadway\Library\piper\Pen\faupen

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION 	
105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6936)	
DESCRIPTION DATE	
BRIDGE NO. PROJECT NO.	
COUNTY: JACKSON JOB NO.: J4P2251 CONTRACT ID.:	
DATE PREPARED: 02-19-2010 DRAWN BY: AJS CHECKED BY: AJS PROJECT NO.: 4	
STATE: MO COUNTY: JACKSON	
SCALE: 1"=30' SHEET NO.: 4	
PRELIMINARY NOT FOR CONSTRUCTION	
THE WORK SHOWN ON THIS SHEET IS A DESIGN PROPOSAL. IT IS SUBJECT TO CHANGE WITHOUT NOTICE.	

HNTB
 715 N. W. 10th Ave
 Kansas City, MO 64105
 (816) 472-1201
 CERTIFICATE OF AUTHORITY NO. 001270



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

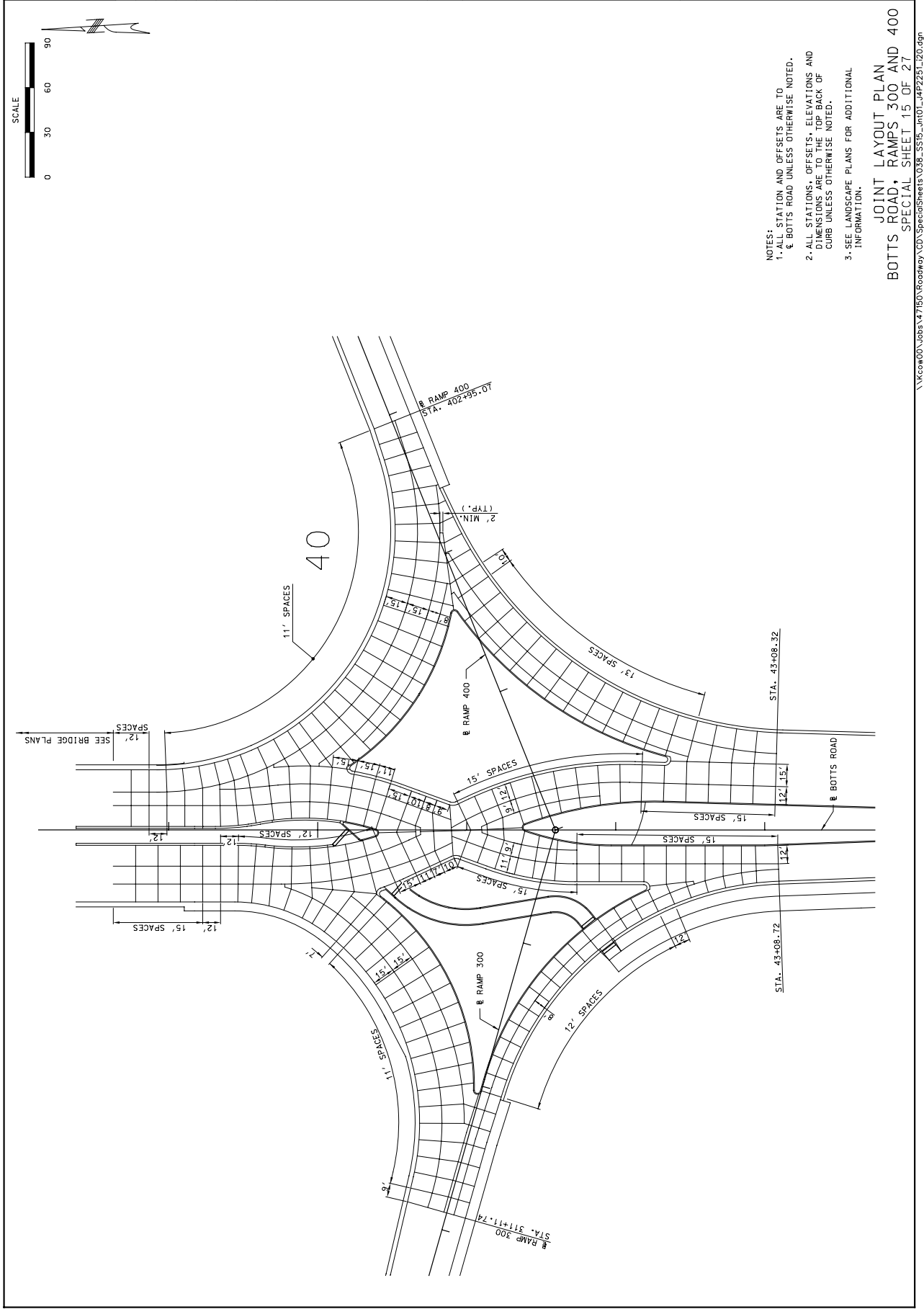
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JOB NO.	J4P2251
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

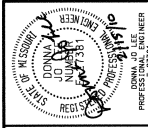
DESCRIPTION	
DATE	

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6936)



HNTB
 715 N. KIRK DRIVE
 KANSAS CITY, MO 64105
 (816) 472-1201
 CERTIFICATE OF AUTHORITY
 NO. 001270



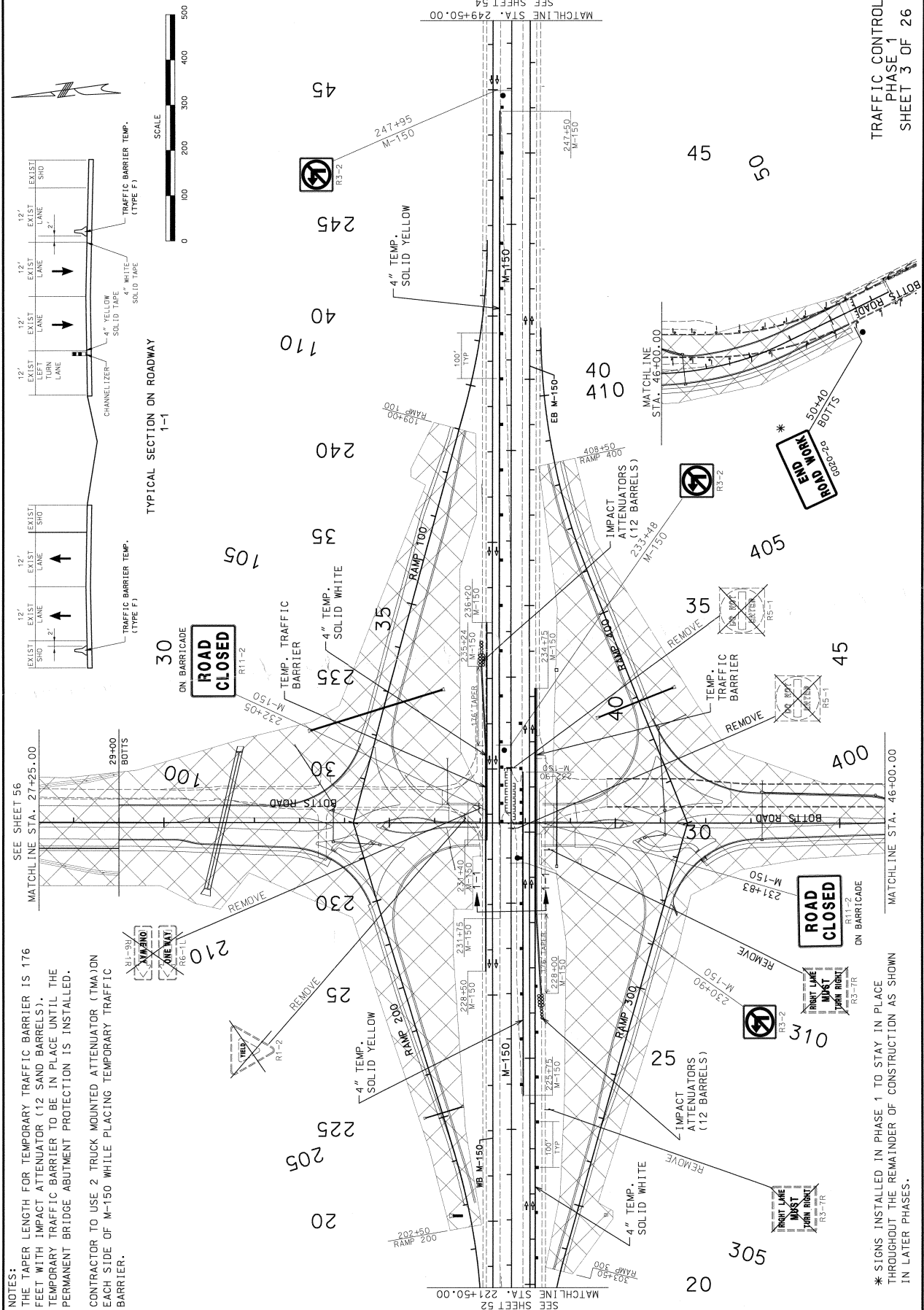


DATE PROJECTED: 2/15/2010
 MO: 150
 DISTRICT: 4
 SHEET NO.: 53
 COUNTY: JACKSON
 JOB NO.: J4P2251
 CONTRACT ID:

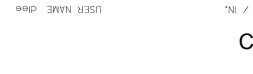
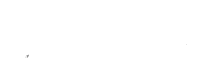
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MDOT (1-888-275-6536)

LC ENGINEERS, P.A.
 12615 WENONA LANE
 LEAWOOD, KS 66209
 913.491.0431
 LC Engineers, P.C.
 Engineering Corporation 2004007804



NOTES:
 THE TAPER LENGTH FOR TEMPORARY TRAFFIC BARRIER IS 176 FEET WITH IMPACT ATTENUATOR (12 SAND BARRELS). TEMPORARY TRAFFIC BARRIER TO BE IN PLACE UNTIL THE PERMANENT BRIDGE ABUTMENT PROTECTION IS INSTALLED.
 CONTRACTOR TO USE 2 TRUCK MOUNTED ATTENUATOR (TMA) ON EACH SIDE OF M-150 WHILE PLACING TEMPORARY TRAFFIC BARRIER.



SEE SHEET 56
 MATCHLINE STA. 27+25.00

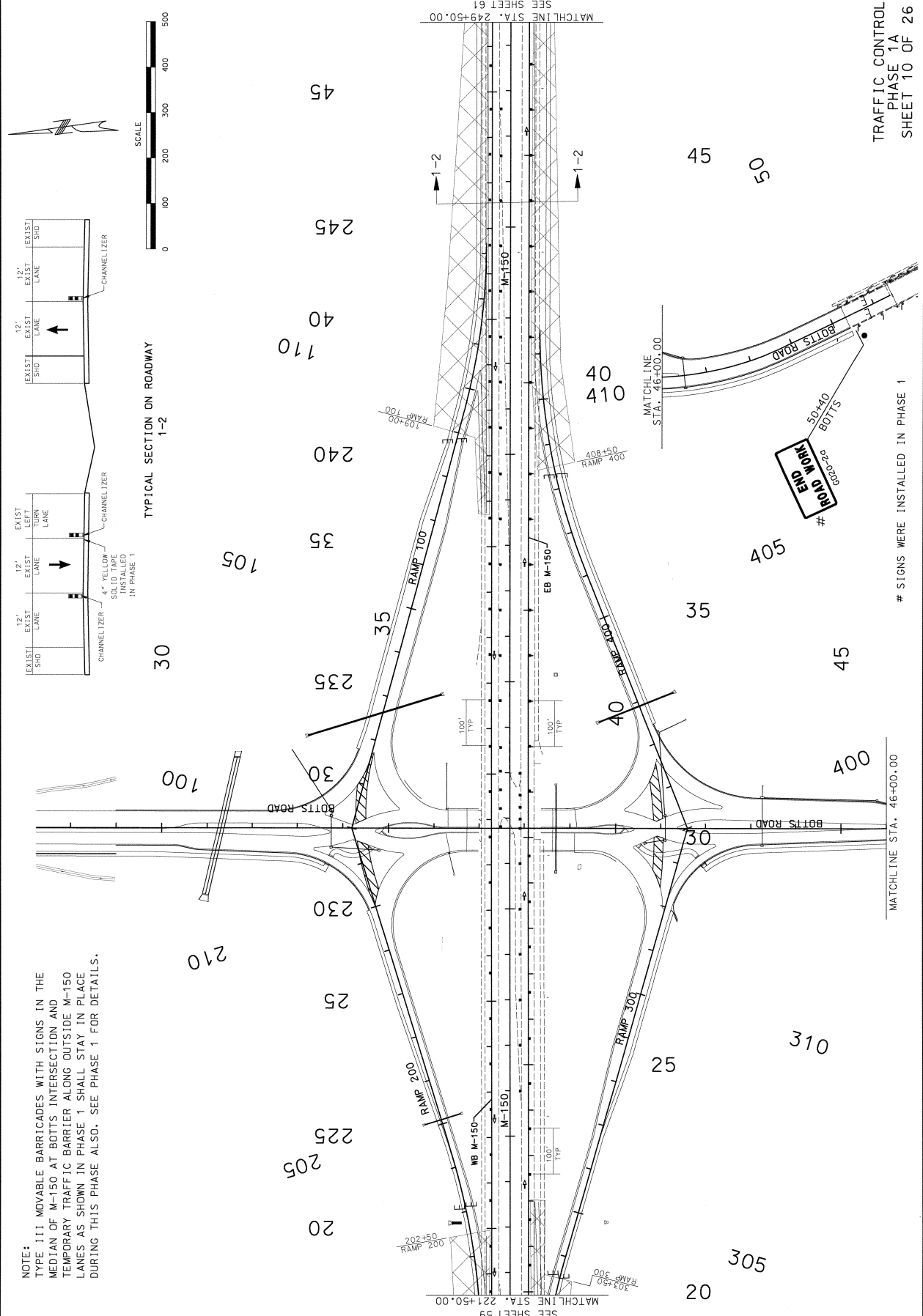
SEE SHEET 54
 MATCHLINE STA. 249+50.00

TRAFFIC CONTROL PHASE 1 SHEET 3 OF 26
 * SIGNS INSTALLED IN PHASE 1 TO STAY IN PLACE THROUGHOUT THE REMAINDER OF CONSTRUCTION AS SHOWN IN LATER PHASES.

MISSOURI ENGINEERS AND SURVEYORS
 DONNA JO LEE
 PROFESSIONAL ENGINEER
 LICENSE NO. 1010
 DATE PREPARED: 2/15/2010
 STATE: MO
 ROUTE: 150
 DISTRICT: 4
 COUNTY: JACKSON
 JOB NO.: J4P2251
 CONTRACT ID.:
 PROJECT NO.:
 BRIDGE NO.:

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 M-150 WEST CAPTIVE
 JEFFERSON CITY, MO 65102
 1-888-ASK-MDOT (1-888-275-6636)

LC ENGINEERS, P.A.
 12815 WENONGA LANE
 LEWISVILLE, MS 38869
 918.491.0431
 LC ENGINEERS
 Engineering Corporation 2004007804



NOTE:
 TYPE III MOVABLE BARRICADES WITH SIGNS IN THE MEDIUM OF M-150 AT BOTTS INTERSECTION AND TEMPORARY TRAFFIC BARRIER ALONG OUTSIDE M-150 LANES AS SHOWN IN PHASE 1 SHALL STAY IN PLACE DURING THIS PHASE ALSO. SEE PHASE 1 FOR DETAILS.

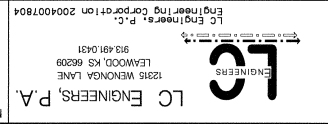
TRAFFIC CONTROL
 PHASE 1A
 SHEET 10 OF 26

SIGNS WERE INSTALLED IN PHASE 1

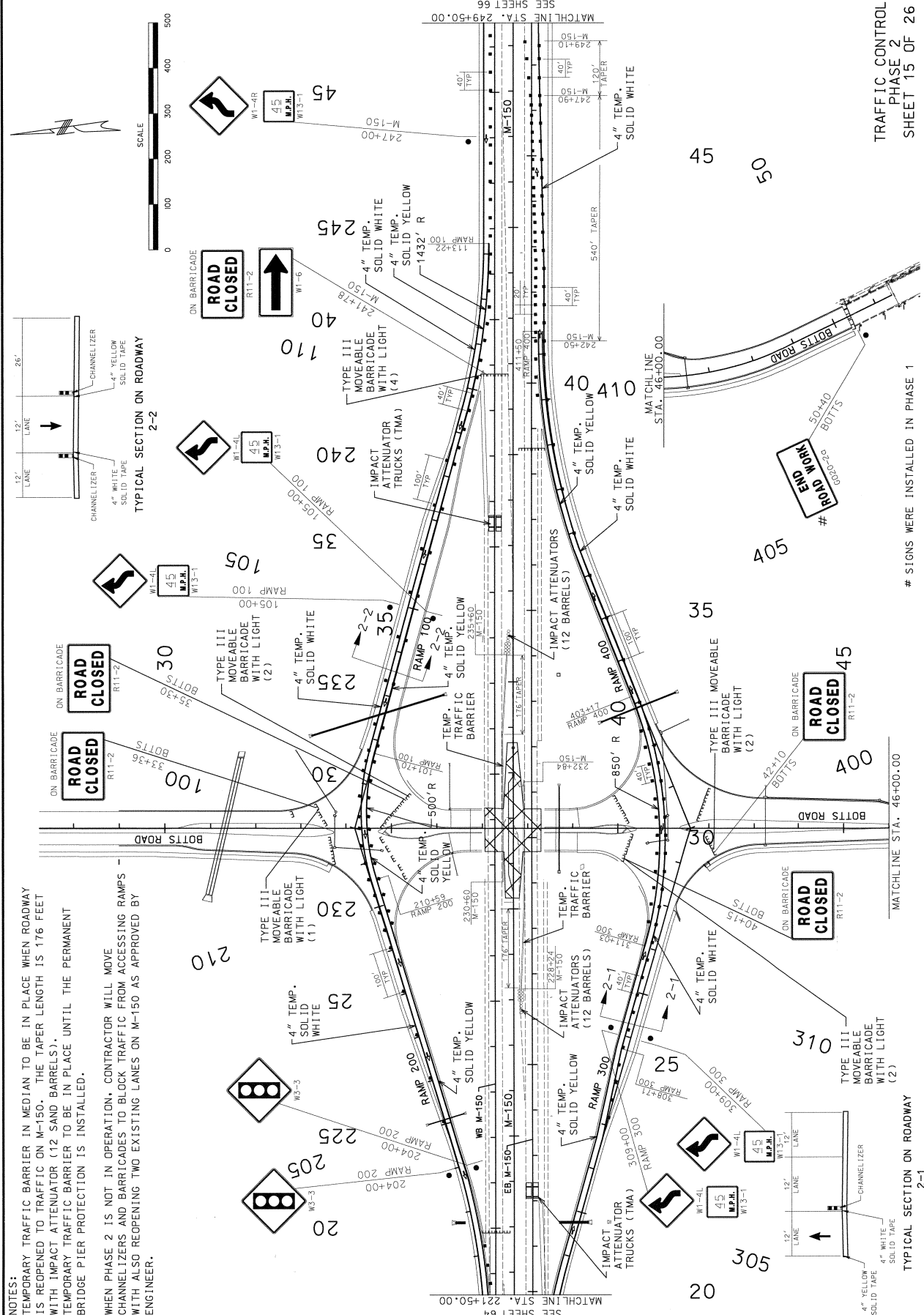


DATE: 2/15/2010
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 SHEET NO.: 65
 DISTRICT: 4
 PROJECT NO.: JAP2251
 CONTRACT NO.:
 BRIDGE NO.:
 PROJECT NO.:

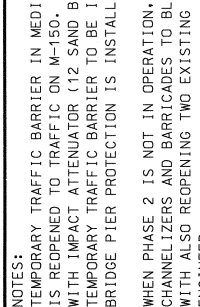
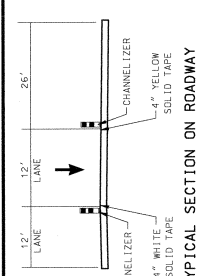
DESCRIPTION: MISSOURI HIGHWAYS AND TRANSPORTATION
 DATE:
 SEE SHEET 66
 MATCHLINE STA. 249+50.00



LC ENGINEERS, P.A.
 12816 WENONA LANE
 LEAWOOD, KS 66209
 913.491.0431
 Engineering Corporation 2004007804



NOTES:
 TEMPORARY TRAFFIC BARRIER IN MEDIAN TO BE IN PLACE WHEN ROADWAY IS REOPENED TO TRAFFIC ON M-150. THE TAPER LENGTH IS 176 FEET WITH IMPACT ATTENUATOR (12 SAND BARRELS).
 TEMPORARY TRAFFIC BARRIER TO BE IN PLACE UNTIL THE PERMANENT BRIDGE PIER PROTECTION IS INSTALLED.
 WHEN PHASE 2 IS NOT IN OPERATION, CONTRACTOR WILL MOVE CHANNELIZERS AND BARRICADES TO BLOCK TRAFFIC FROM ACCESSING RAMPS WITH ALSO REOPENING TWO EXISTING LANES ON M-150 AS APPROVED BY ENGINEER.



TRAFFIC CONTROL
 PHASE 2
 SHEET 15 OF 26

SIGNS WERE INSTALLED IN PHASE 1

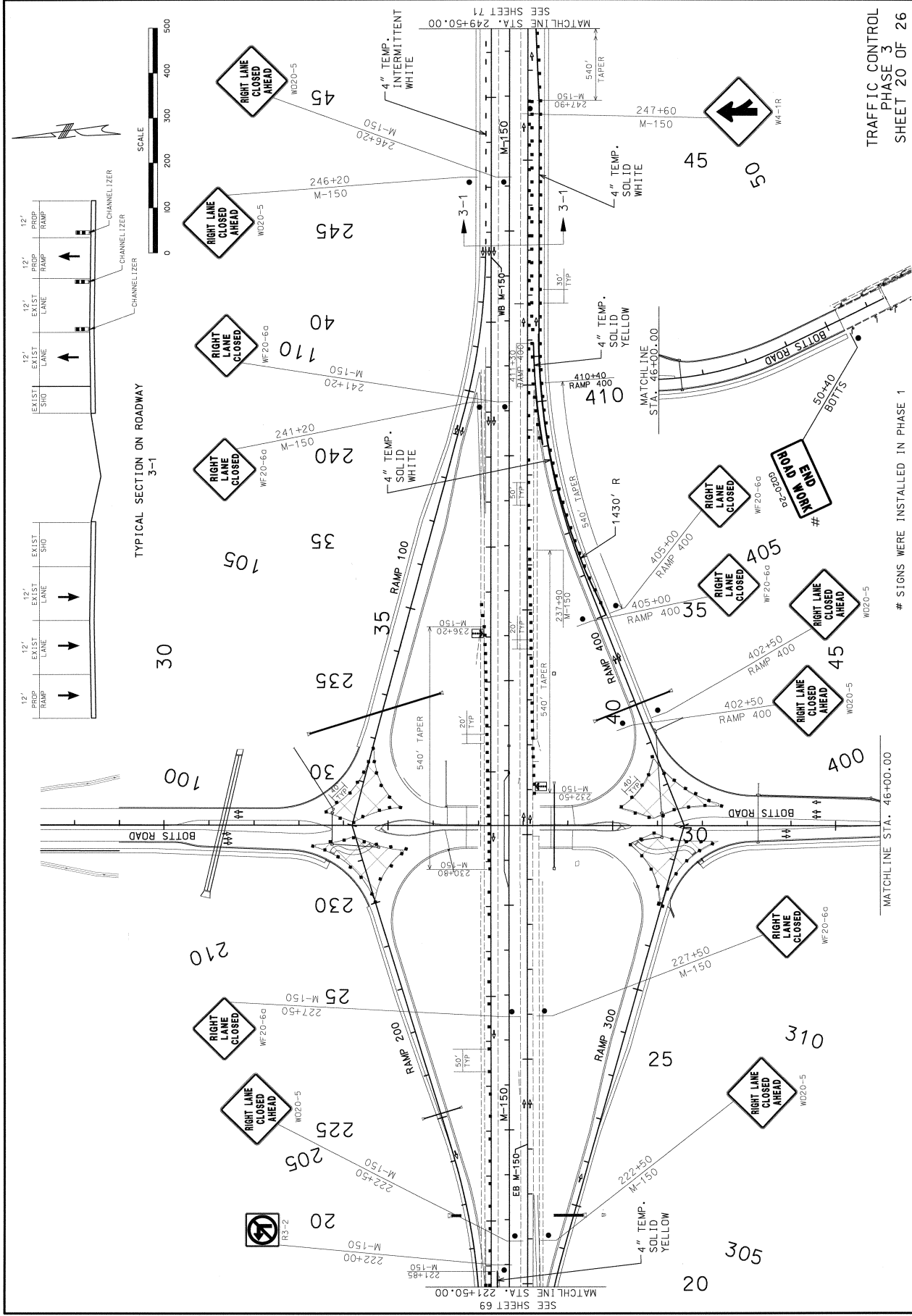


DATE PREPARED: 2/15/2010
 DATE: 150
 SHEETS: 4
 COUNTY: JACKSON
 JOB NO.: J4P2251
 CONTRACT ID:
 PROJECT NO.:
 UTILITY NO.:

DESCRIPTION	DATE



LC ENGINEERS, P.A.
 12315 WENONGA LANE
 LEAWOOD, KS 66208
 913.491.0431
 LC ENGINEERS, P.C.
 Engineering Corporation
 2004007804



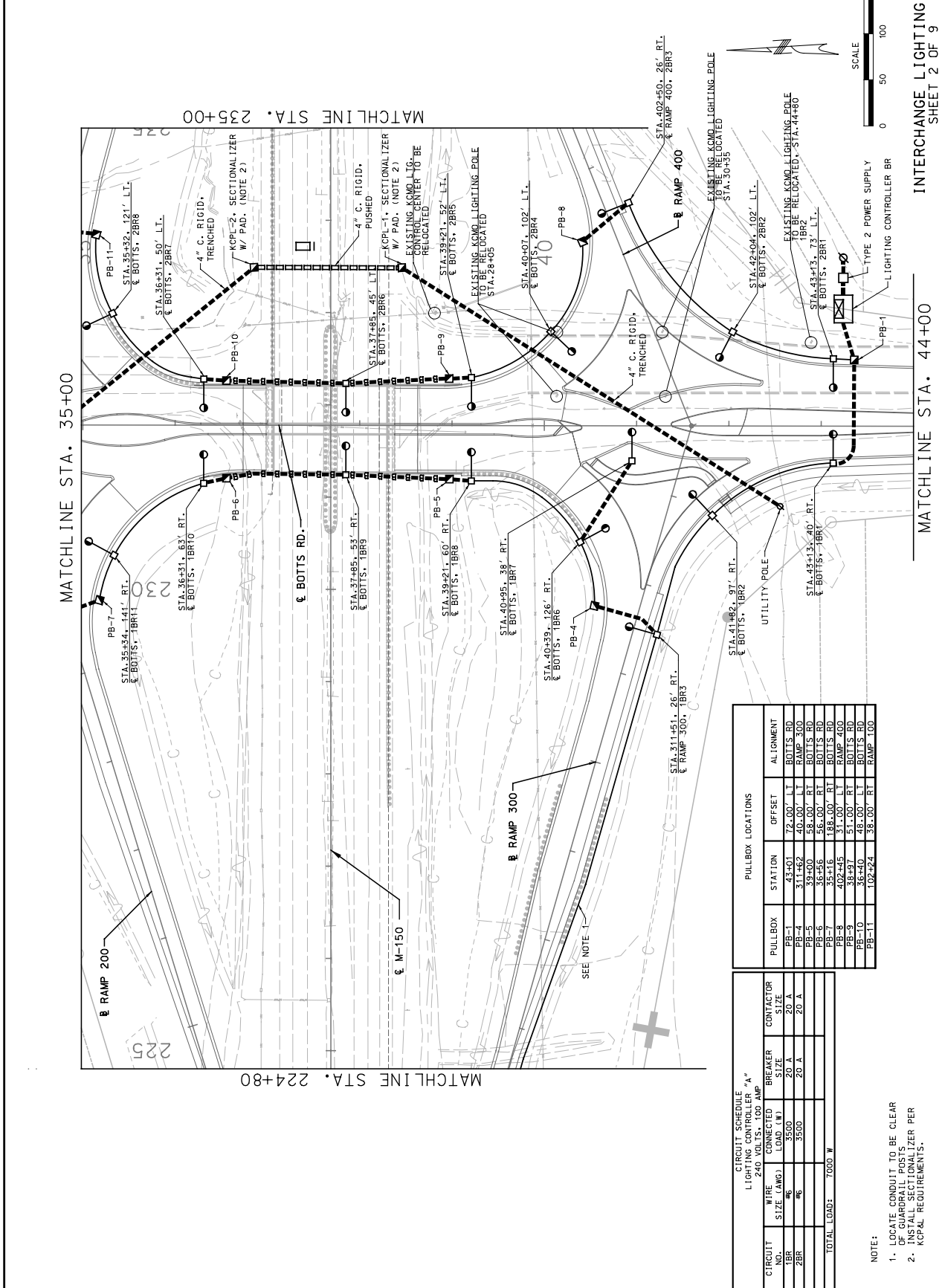
TRAFFIC CONTROL PHASE 3 SHEET 20 OF 26
 # SIGNS WERE INSTALLED IN PHASE 1

DATE: 02-19-2010
 TIME: 1:30 PM
 PROJECT: 4
 COUNTY: JACKSON
 JOB NO.: J4P2251
 CONTRACT ID:
 PROJECT NO.:
 BRIDGE NO.:

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6936)

HNTRB
 715 KIRK DRIVE
 KANSAS CITY, MO 64105
 (816) 472-1201
 CERTIFICATE OF AUTHORITY
 NO. 001270

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



CIRCUIT SCHEDULE
 110V, 1-Ø, 200 AMP

CIRCUIT NO.	WIRE SIZE (AWG)	CONNECTED LOAD (W)	BREAKER SIZE (A)	CONTRACTOR SIZE (A)	ALIGNMENT
1BR	#6	3500	20 A	20 A	BOTTS RD
2BR	#6	3500	20 A	20 A	RAMP 300
TOTAL LOAD: 7000 W					

PULLBOX LOCATIONS

PULLBOX	STATION	OFFSET	ALIGNMENT
PB-1	43+01	72'-00"	BOTTS RD
PB-4	311+62	40'-00"	RAMP 300
PB-5	39+00	38'-00"	BOTTS RD
PB-7	35+26	183'-00"	BOTTS RD
PB-8	402+45	31'-00"	RAMP 400
PB-9	38+97	51'-00"	BOTTS RD
PB-10	36+40	48'-00"	BOTTS RD
PB-11	102+24	38'-00"	RAMP 100

NOTE:
 1. LOCATE CONDUIT TO BE CLEAR OF ALL OBSTACLES.
 2. INSTALL SECTIONALIZER PER KCP&L REQUIREMENTS.

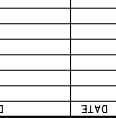
INTERCHANGE LIGHTING PLAN
 SHEET 2 OF 9

MATCHLINE STA. 44+00
 MATCHLINE STA. 235+00

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

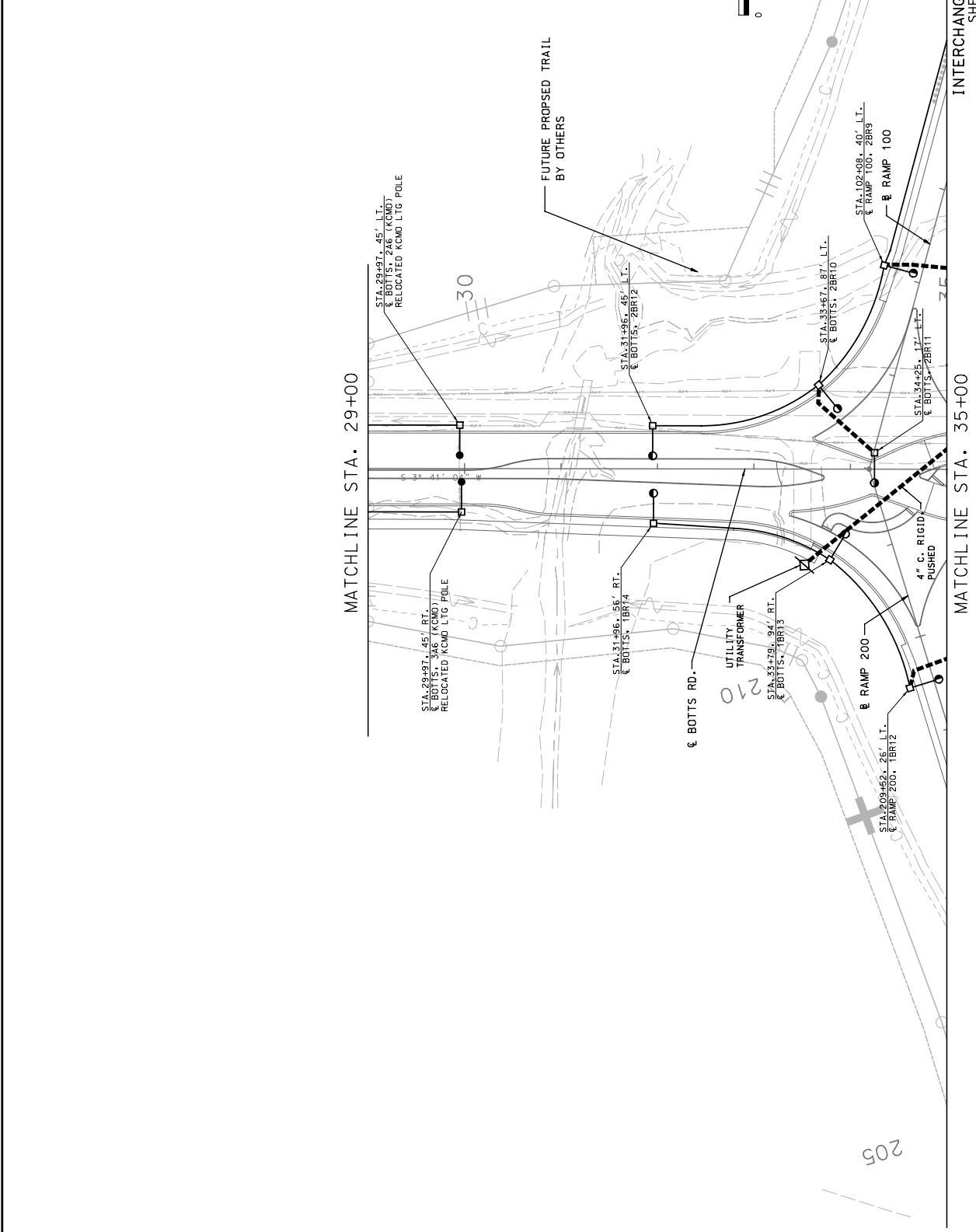
THESE SHEETS SHALL BE PRINTED ON A CERTAIN OCCASION. PRELIMINARY NOT FOR CONSTRUCTION.

DATE PREPARED	02-19-2010
STATE	MO
COUNTY	JACKSON
JOB NO.	J4P2251
PROJECT NO.	
BRIEFING NO.	
DESCRIPTION	
DATE	



MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6936)

HNTB
 715 KIRK DRIVE
 KANSAS CITY, MO 64105
 (816) 472-1201
 CERTIFICATE OF AUTHORITY
 NO. 001270



INTERCHANGE LIGHTING PLAN
 SHEET 3 OF 9

MATCHLINE STA. 29+00

MATCHLINE STA. 35+00

2-43 2/24/2010
 \\ccw001\jobs\47160\Elec\Drawings\CD\Lighting\90\LT03-14P2251-150.dgn

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

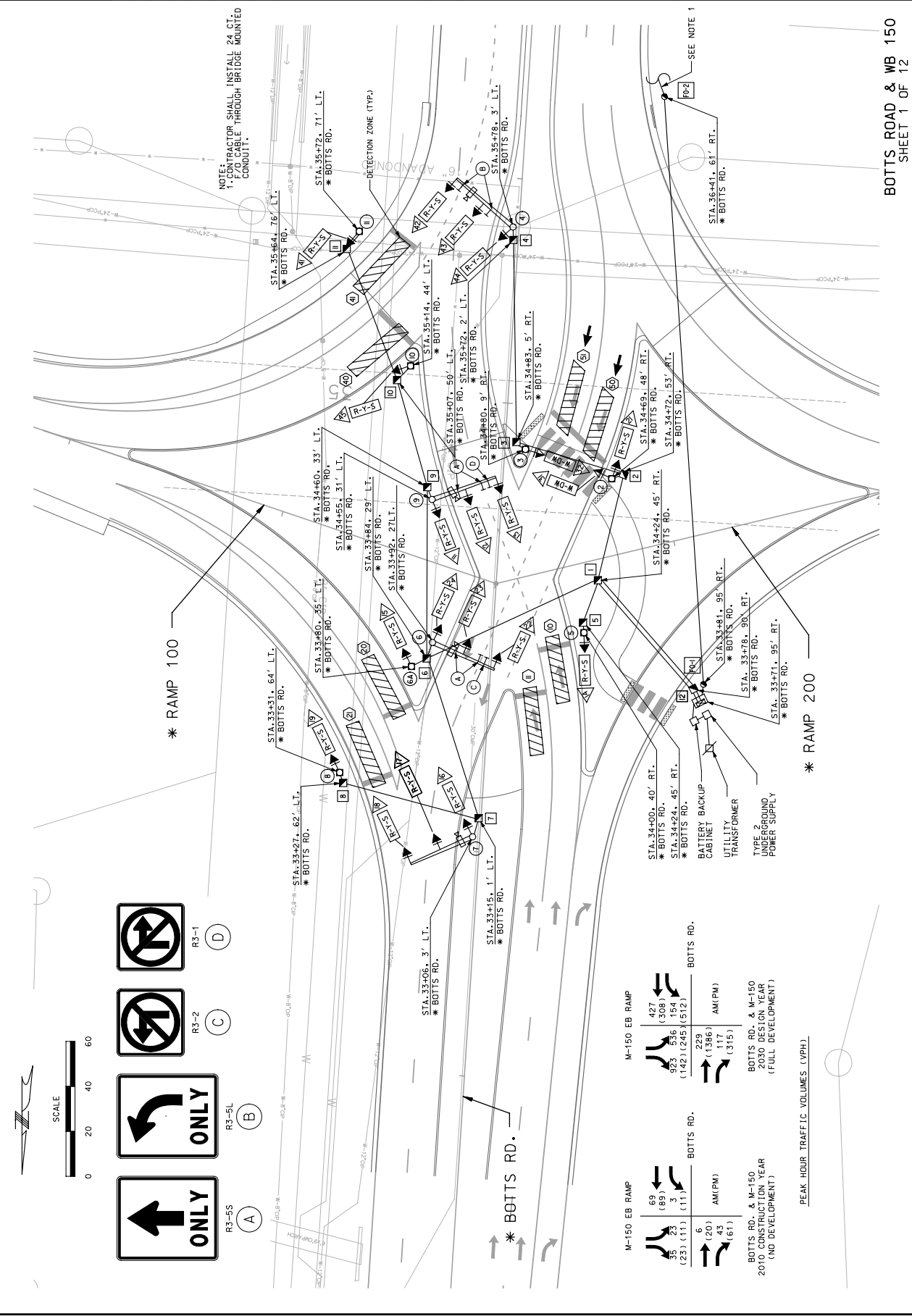
THIS WORK SHOULD BE CONSIDERED A GENERAL OUTLINE. PRELIMINARY NOT FOR CONSTRUCTION.

DATE PREPARED: 04-23-2010
 STATE: MO
 PROJECT NO.: J4P2251
 COUNTY: JACKSON

PROJECT NO.:
 BRIDGE NO.:
 CONTRACT ID:
 JOB NO.:
 SHEET NO.: 4

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

HNTB
 715 MIKVA DRIVE
 KANSAS CITY, MO 64105
 (816) 472-1201
 CERTIFICATE OF AUTHORITY
 NO. 001270

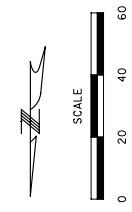
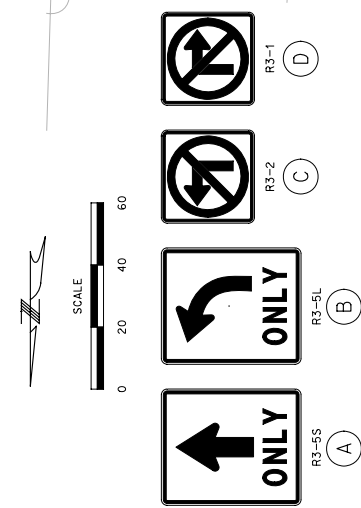


SCALE: 20ft = 1" PEN TABLE elec_FULL.pln USER NAME: throywood

DATE: DESCRIPTION:

BOTTS ROAD & WB 150
SHEET 1 OF 12

402 4/26/2010
 \\Kcaw001\pds\47160\Elec\Drawings\CD\Signals\95.560\1\WP2251-120.dgn




Direction	AM (PM)	Construction Year (No Development)
M-150 EB RAMP	69 (89), 3 (11)	2010
Botts Rd. (No Development)	43 (61)	2010
M-150 EB RAMP	427 (308), 923 (536), 154 (111)	2030
Botts Rd. (Full Development)	229 (1386), 117 (315)	2030

PEAK HOUR TRAFFIC VOLUMES (VPH)

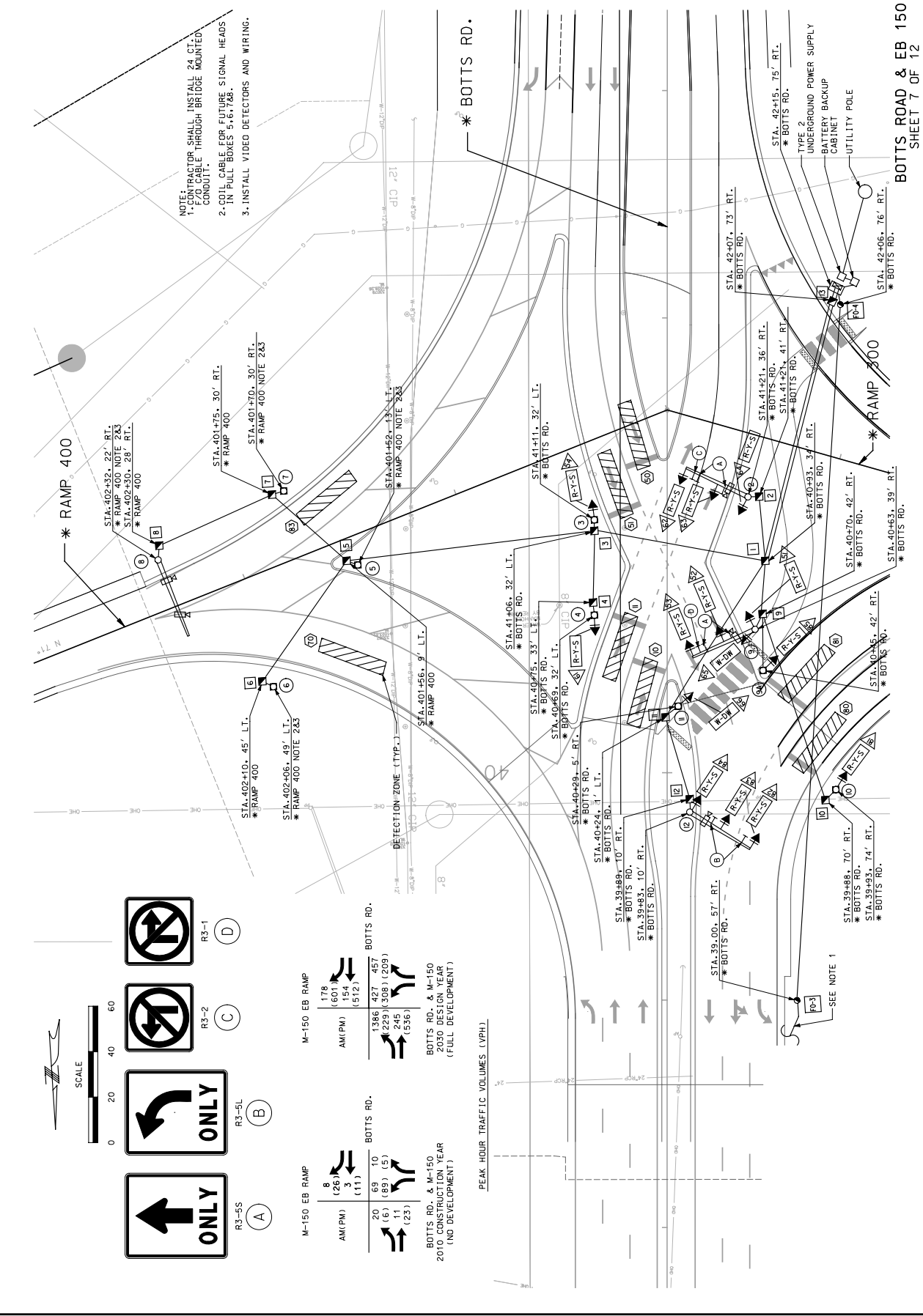
DATE PREPARED	04-23-2010
STATE	MO
ROUTE	130
COUNTY	JACKSON
JOB NO.	J4P2251
CONTRACT ID.	
PROJECT NO.	
BIDDER NO.	
DESCRIPTION	
DATE	

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

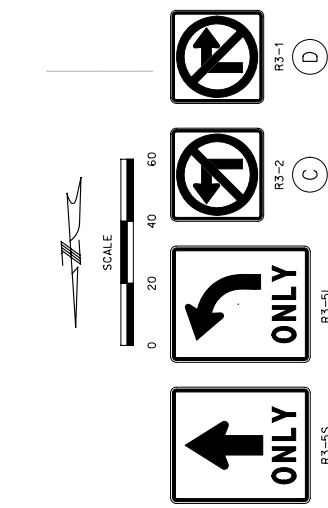


105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MDOT | 1-888-275-6636

HNTB
715 KIRK DRIVE
KANSAS CITY, MO 64105
(816) 472-1201
CERTIFICATE OF AUTHORITY
NO. 001270



NOTE:
 1. CONTRACTOR SHALL INSTALL 24 CT. 1'-7/8" CABLE THROUGH BRIDGE MOUNTED CONDUIT.
 2. COIL CABLE FOR FUTURE SIGNAL HEADS IN PULL BOXES 5-6, 7&8.
 3. INSTALL VIDEO DETECTORS AND WIRING.



DETECTION ZONE (TYP.)

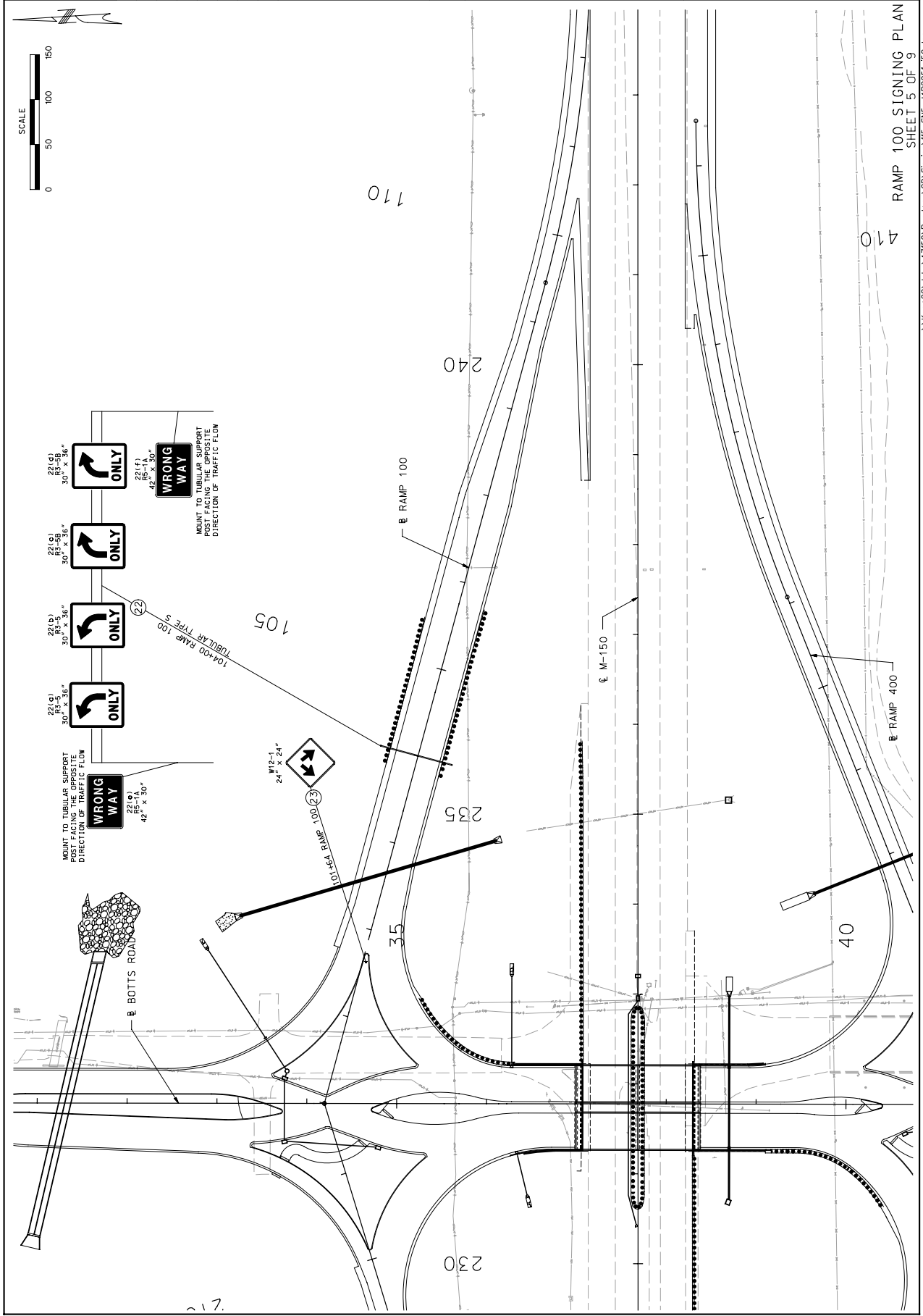
M-150 EB RAMP		M-150 EB RAMP	
AM(PM)		AM(PM)	
20 (6)	10 (5)	178 (60)	427 (154)
11 (6)	11 (5)	154 (54)	487 (178)
11 (23)	11 (23)	512 (308)	487 (536)

Botts Rd. & M-150
2010 CONSTRUCTION YEAR
(NO DEVELOPMENT)

Botts Rd.
2030 DESIGN YEAR
(FULL DEVELOPMENT)

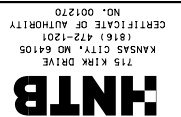
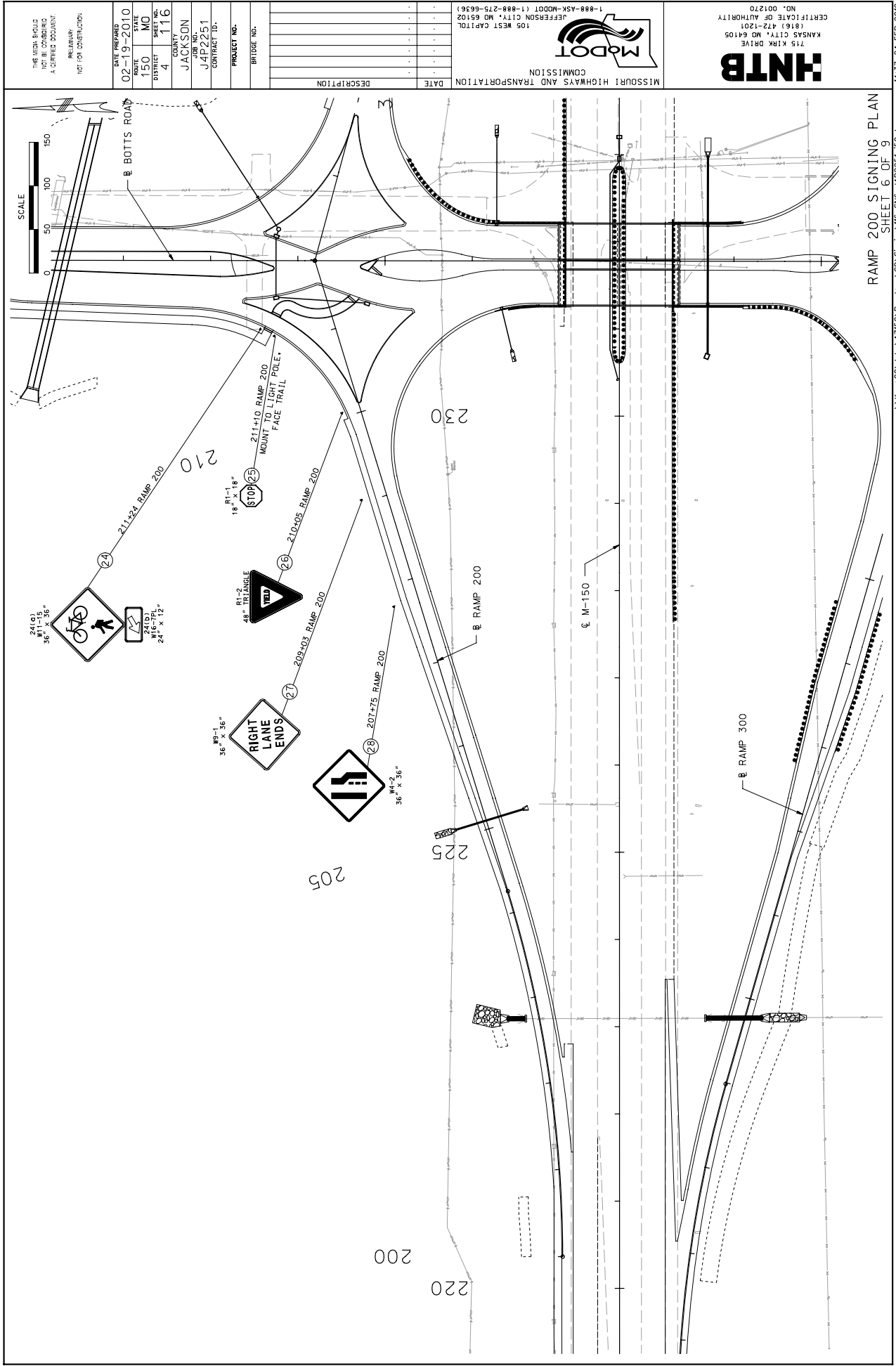
PEAK HOUR TRAFFIC VOLUMES (VPH)

STA. 39+88, 10' RT.	STA. 40+24, 3' LT.	STA. 40+29, 5' RT.	STA. 41+06, 32' LT.	STA. 41+21, 36' RT.	STA. 41+24, 41' RT.	STA. 42+07, 73' RT.	STA. 42+15, 75' RT.
10	10	10	10	10	10	10	10

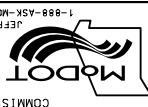


MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION 105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6936)		HNTB 715 KIRK DRIVE KANSAS CITY, MO 64105 (816) 472-1201 CERTIFICATE OF AUTHORITY NO. 001270
DATE 02-19-2010	DATE PREPARED 02-19-2010	
PROJECT NO. _____	COUNTY JACKSON	MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION 105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6936)
BRIDGE NO. _____	JOB NO. J4P2251	
CONTRACT NO. _____	SHEET NO. 5 OF 9	DESCRIPTION RAMP 100 SIGNING PLAN
PRELIMINARY NOT FOR CONSTRUCTION	STATE MO	IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.
DATE 1/30/10	COUNTY JACKSON	
SHEET NO. 5 OF 9	JOB NO. J4P2251	
PROJECT NO. _____	CONTRACT NO. _____	

14:37 24-FEB-2010
 \\kcm00\jobs\47150\Roadway\CD\Signing\115-SN5_14P2251_150.dgn



715 KIRK DRIVE
KANSAS CITY, MO 64105
(816) 472-1201
CERTIFICATE OF AUTHORITY
NO. 001270



MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6963)

DATE	DESCRIPTION

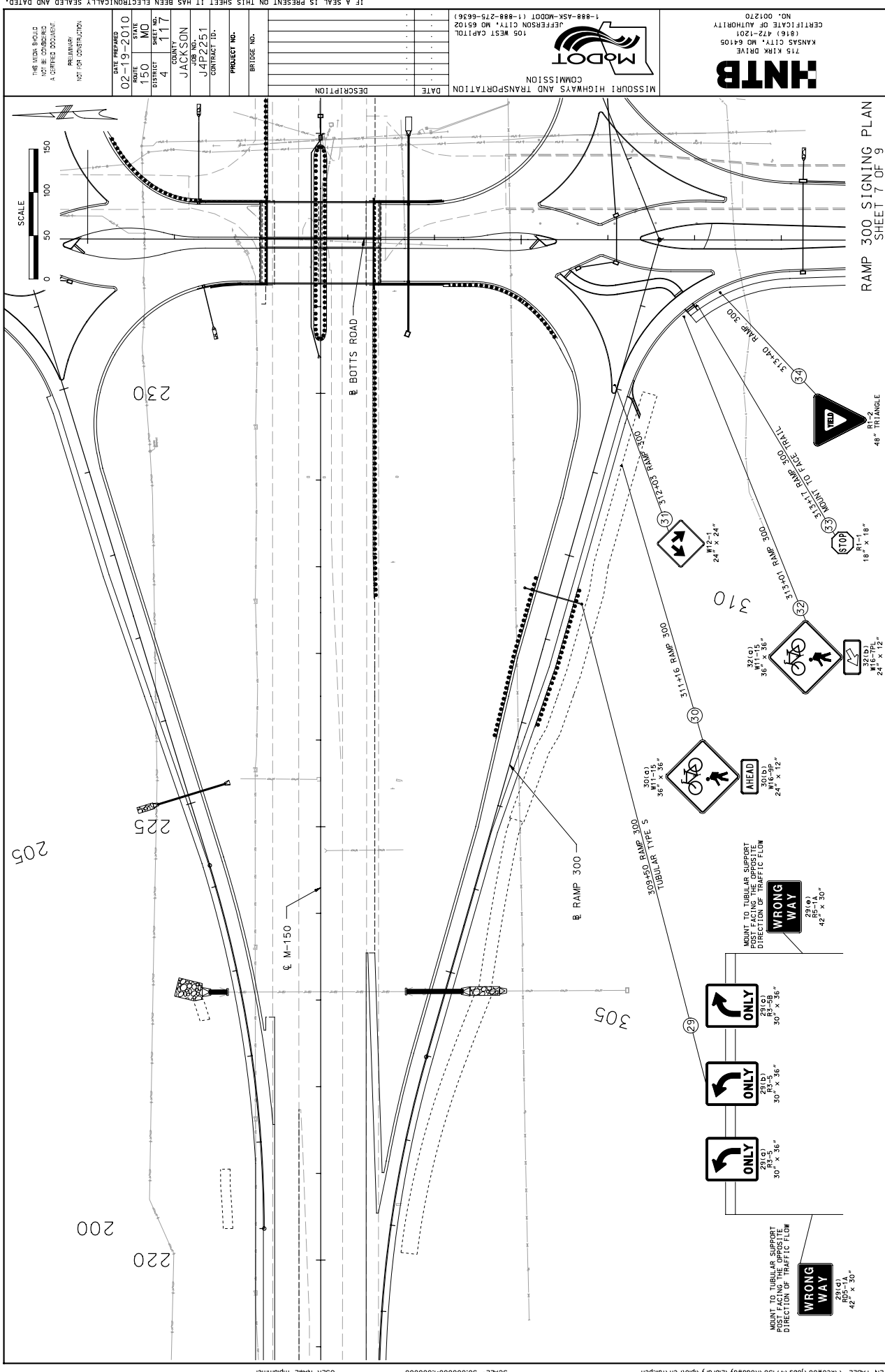
BRIDGE NO.:
PROJECT NO.:

CONTRACT ID: J4P2251
JOB NO.: J4P2251
COUNTY: JACKSON

DATE PREPARED: 02-19-2010
STATE: MO
ROUTE: 150
PROJECT NO.: 4

WE WILL BEHOLD
THE RIGHTS OF
A CERTIFICATED
PRELIMINARY
NOT FOR CONSTRUCTION

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



SCALE: 50.000000:1.000000
 USER NAME: mjpinner
 PEN TABLE: \\kcon00\jobs\47150\roadway\library\piper\pen\faupen

RAMP 300 SIGNING PLAN
 SHEET 7 OF 9

48" TRIANGLE
 24" x 12"
 321(D)
 24" x 12"

310 RAMP 300
 313-01 RAMP 300
 313-40 RAMP 300
 313-40 RAMP 300
 313-40 RAMP 300

305 RAMP 300
 305-03 RAMP 300
 305-03 RAMP 300
 305-03 RAMP 300

315 RAMP 300
 315-15 RAMP 300
 315-15 RAMP 300
 315-15 RAMP 300

320 RAMP 300
 320-15 RAMP 300
 320-15 RAMP 300
 320-15 RAMP 300

305 RAMP 300
 305-03 RAMP 300
 305-03 RAMP 300
 305-03 RAMP 300

305 RAMP 300
 305-03 RAMP 300
 305-03 RAMP 300
 305-03 RAMP 300

305 RAMP 300
 305-03 RAMP 300
 305-03 RAMP 300
 305-03 RAMP 300

HNTB
 715 MIKKA DRIVE
 KANSAS CITY, MO 64105
 (816) 472-1201
 CERTIFICATE OF AUTHORITY
 NO. 001270



MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6936)

DATE PREPARED	02-19-2010
DATE	1-30-10
STATE	MO
PROJECT NO.	4
COUNTY	JACKSON
JOB NO.	J4P2251
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
DESCRIPTION	
DATE	

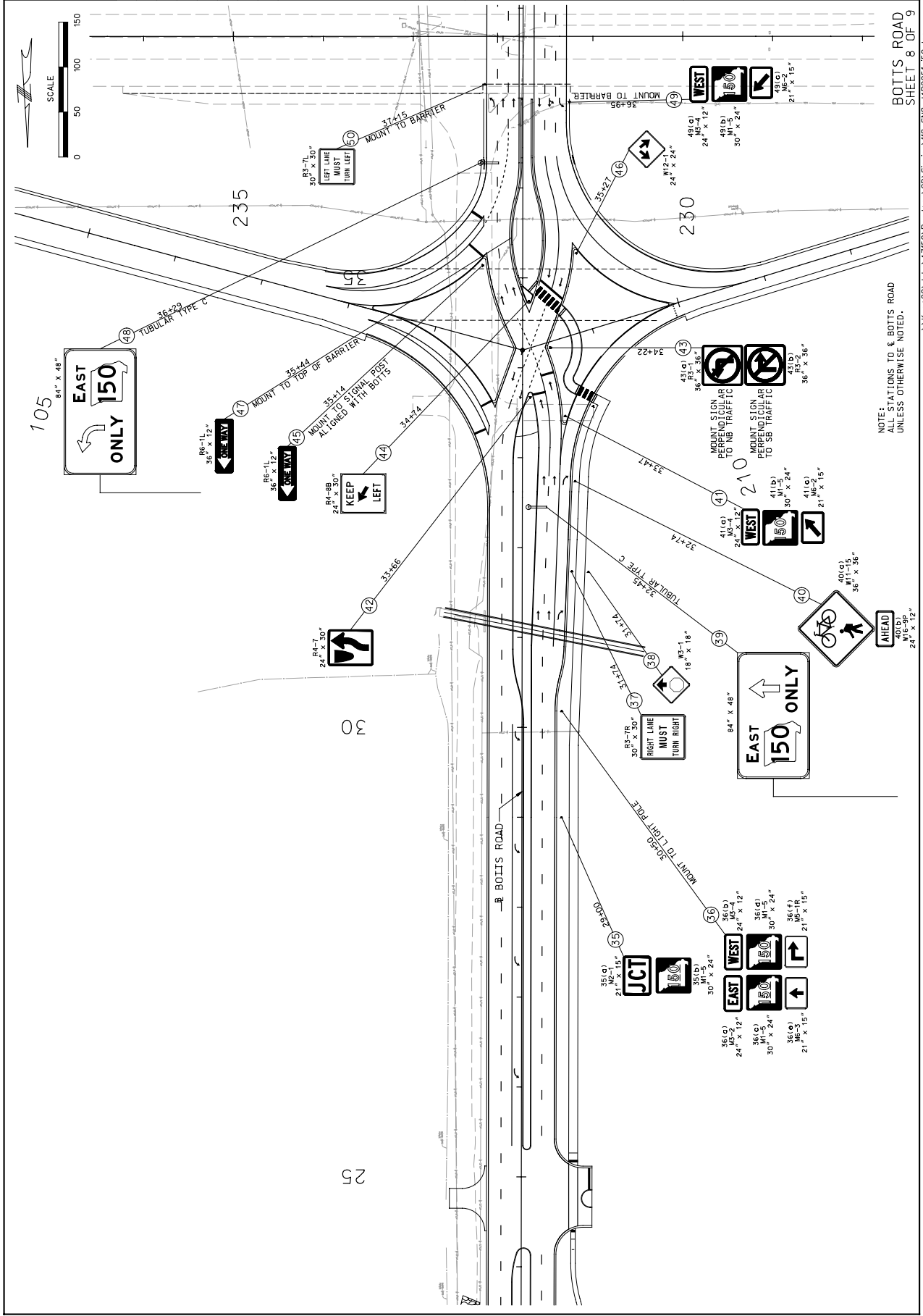
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6936)

HNTB
 715 KIRK DRIVE
 KANSAS CITY, MO 64105
 (816) 472-1201
 CERTIFICATE OF AUTHORITY
 NO. 001270

DATE PREPARED: 02-19-2010
 DATE: 11-30-09
 PROJECT NO.: J4P2251
 COUNTY: JACKSON
 JOB NO.: J4P2251
 CONTRACT ID:

PROJECT NO.:
 BRIDGE NO.:
 DESCRIPTION:



NOTE: STATIONS TO & BOTTS ROAD
 UNLESS OTHERWISE NOTED.

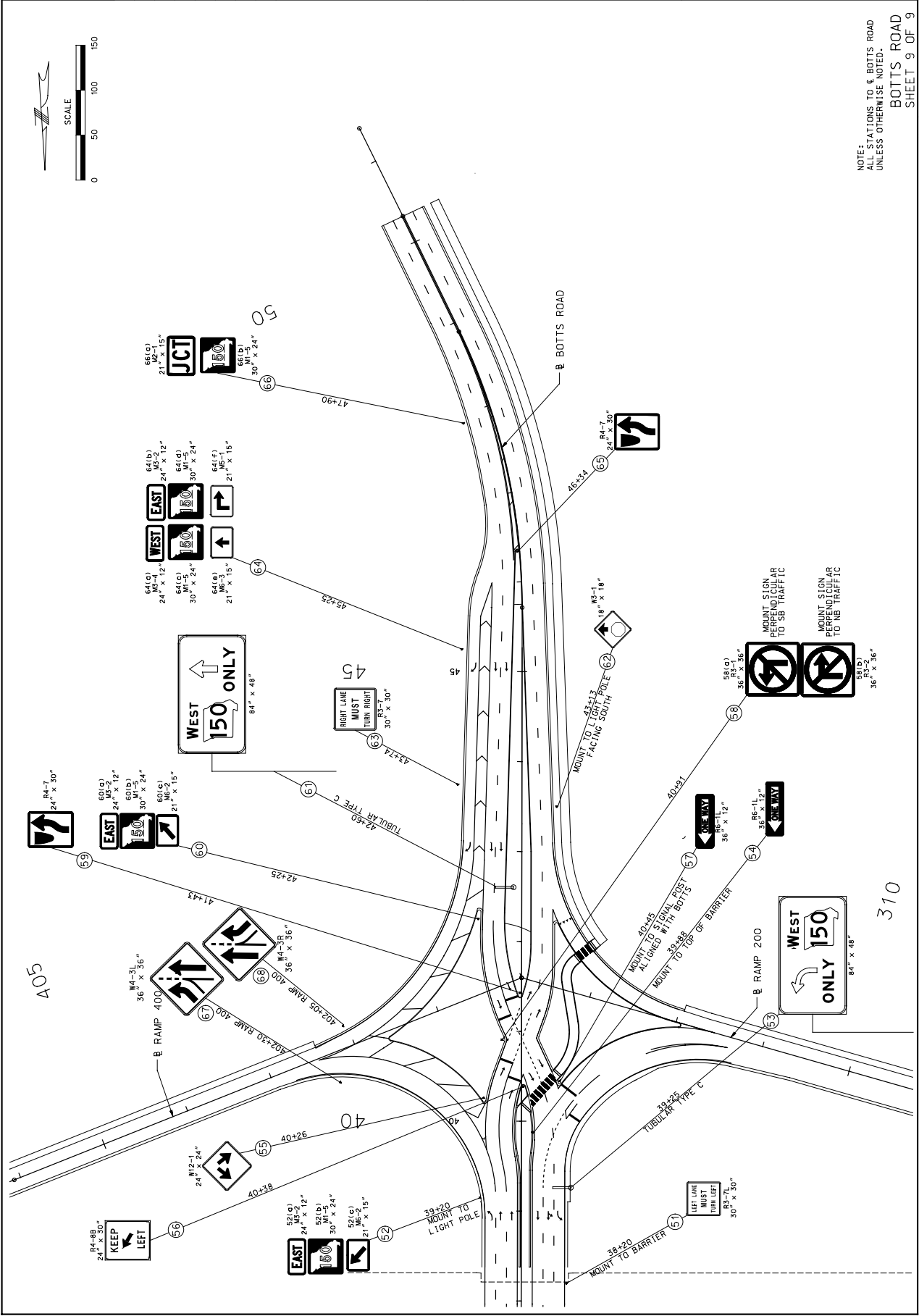
BOTTS ROAD
 SHEET 8 OF 9

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

DATE PREPARED	02-19-2010
DATE	MID
ROUTE	130
PROJECT NO.	4
COUNTY	JACKSON
JOB NO.	J4P2251
CONTRACT ID.	
PROJECT NO.	
BIDDING NO.	
DESCRIPTION	
DATE	

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MOTD (1-888-275-6936)

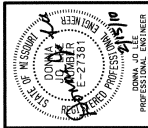
HNTB
 715 KIRK DRIVE
 KANSAS CITY, MO 64105
 (816) 472-1201
 CERTIFICATE OF AUTHORITY
 NO. 001270



SCALE: 50.000000:1.000000
 USER NAME: mjplummer
 PEN TABLE \\kcm00\jobs\47150\Roadway\Library\pfp\pen\faupen

NOTE:
 ALL STATIONS TO & BOTTS ROAD
 UNLESS OTHERWISE NOTED.
 BOTTS ROAD
 SHEET 9 OF 9

\\kcm00\jobs\47150\Roadway\CD\Signing\19-S\9-44P2251-150.dgn 14:37 24-FEB-2010



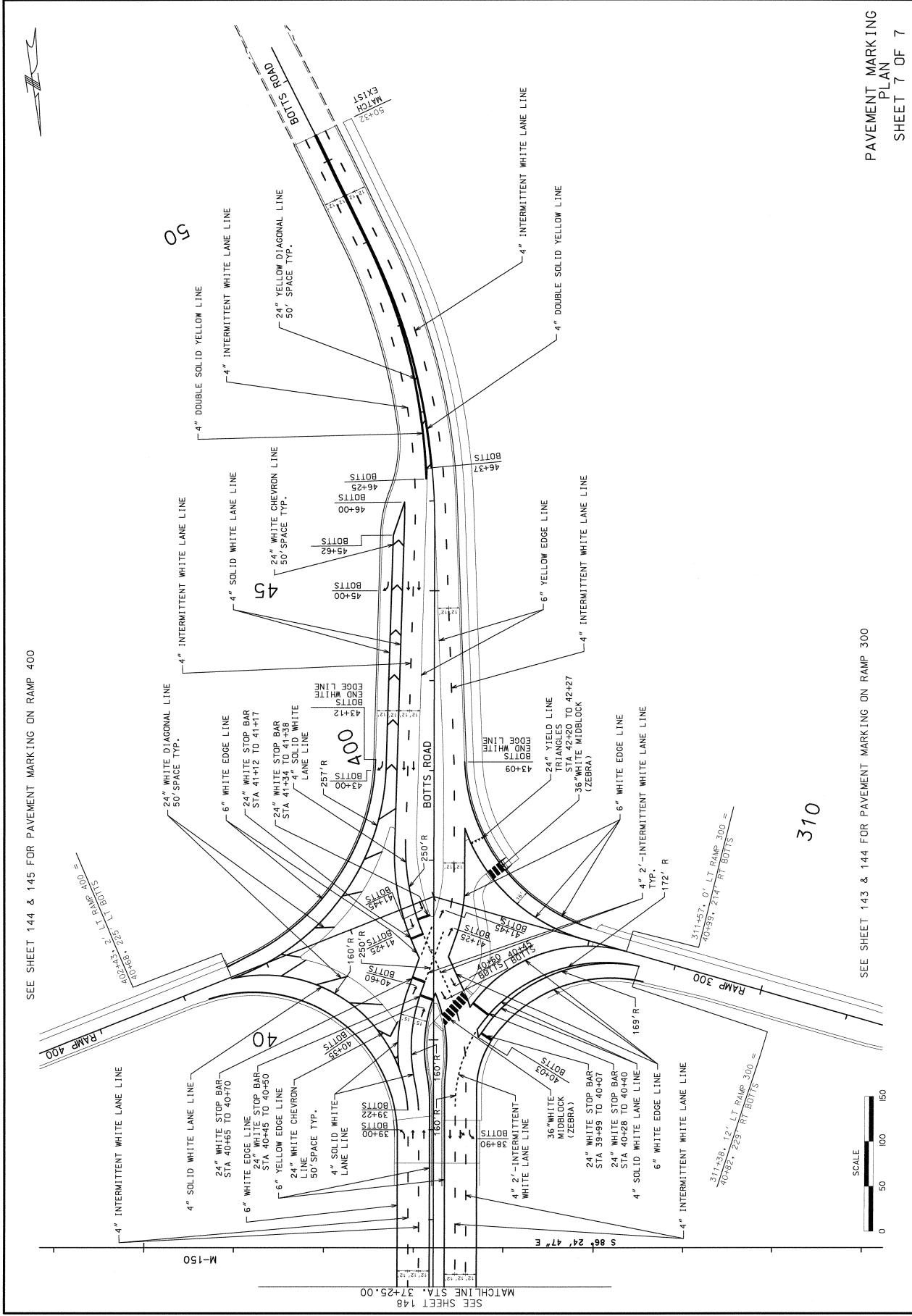
DATE PREPARED: 2/15/2010
 TIME: 1:50 PM
 PROJECT NO.: 149
 COUNTY: JACKSON
 JOB NO.: J4P2251
 CONTRACT ID.:
 PROJECT NO.:
 BRIDGE NO.:

DATE	DESCRIPTION

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

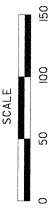
LC ENGINEERS, P.A.
 12315 WENONGA LANE
 LEAWOOD, KS 66209
 913.491.0431

LC ENGINEERS
 ENGINEERS, P.C.
 Engineering Corporation
 2004007804



SEE SHEET 144 & 145 FOR PAVEMENT MARKING ON RAMP 400

SEE SHEET 143 & 144 FOR PAVEMENT MARKING ON RAMP 300



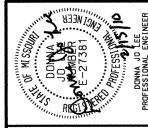
SCALE = 50.0000' / 1" IN.

USER NAME: djo

PN TABLE K:\jobs\64750\p07\p0714.tbl

C-33

PAVEMENT MARKING PLAN SHEET 7 OF 7

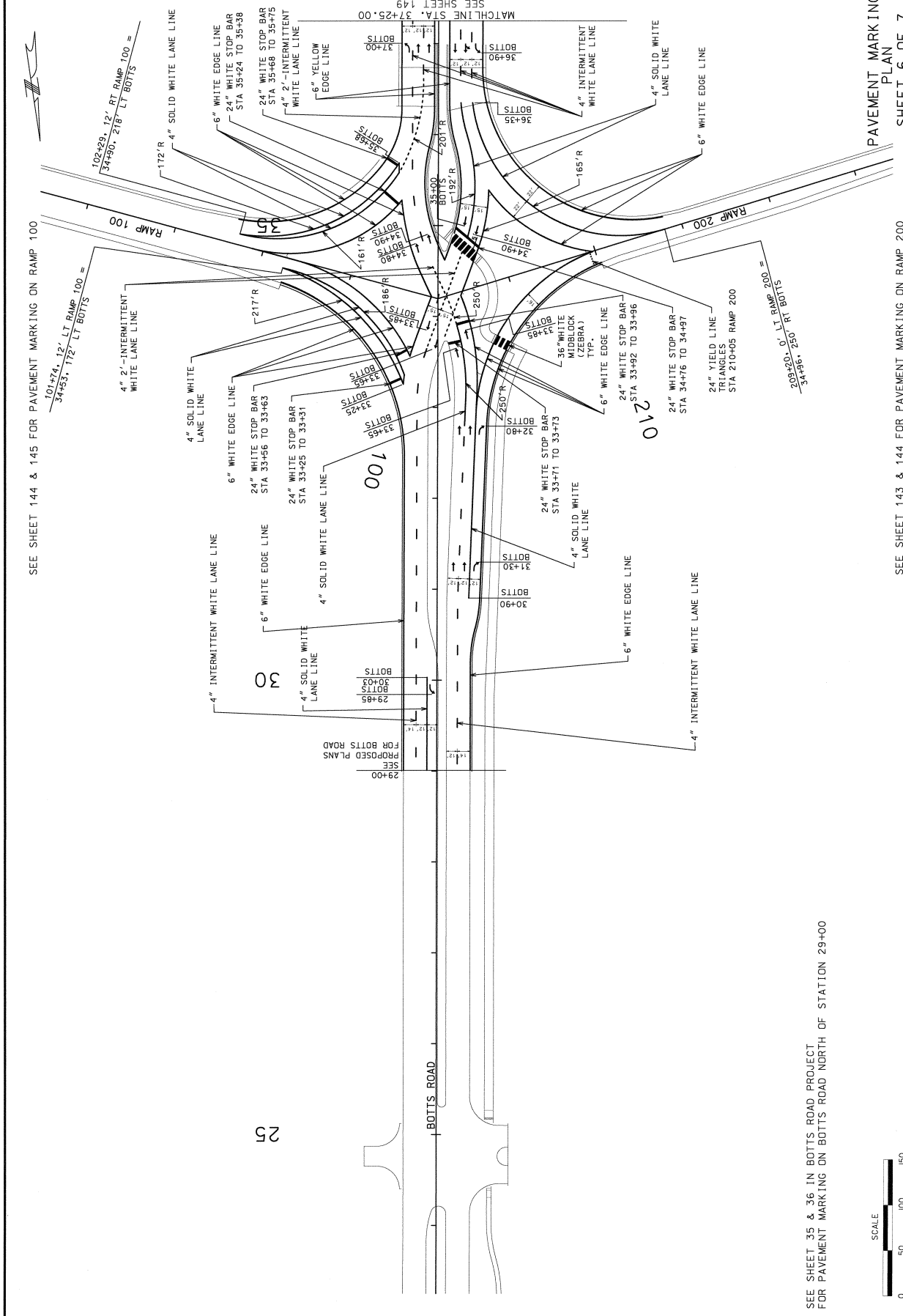


DATE PREPARED: 2/15/2010
 STATE: MO
 COUNTY: JACKSON
 JOB NO.: J4P2251
 CONTRACT ID:
 PROJECT NO.
 BRIDGE NO.

DESCRIPTION: MISSOURI HIGHWAYS AND TRANSPORTATION
 DATE: SEE SHEET 149
 MATCHLINE STA. 37+25.00



LC ENGINEERS, P.A.
 12315 WENONGA LANE
 LEAWOOD, KS 66206
 913.491.0431
 LC ENGINEERS, P.C.
 Engineering Corporation 2004007804



PAVEMENT MARKING PLAN
 SHEET 6 OF 7

SEE SHEET 144 & 145 FOR PAVEMENT MARKING ON RAMP 100

SEE SHEET 143 & 144 FOR PAVEMENT MARKING ON RAMP 200

SEE SHEET 35 & 36 IN BOTTS ROAD PROJECT FOR PAVEMENT MARKING ON BOTTS ROAD NORTH OF STATION 29+00



FN:\TABLE\K:\jobs\47150\Bmpnt\Bott14.tbl SCALE=50.0000 / IN. USER NAME: dide

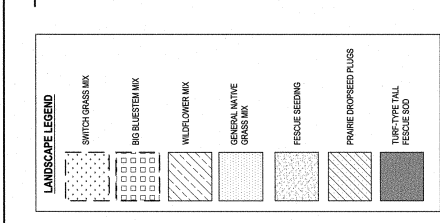
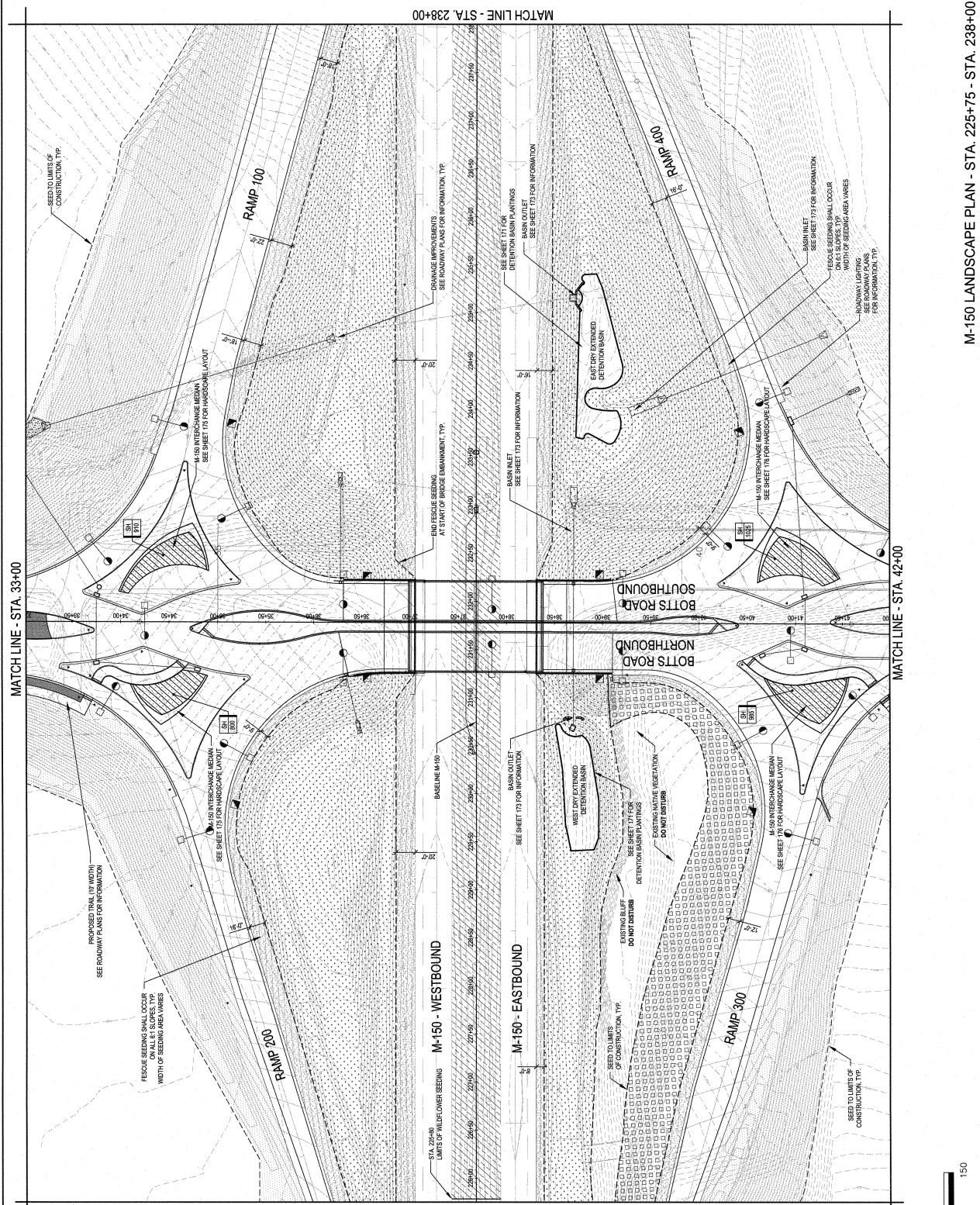


DATE PREPARED 02/15/2010
 STATE MO
 PROJECT NO. 150
 SHEET NO. 4
 COUNTY JACKSON
 JOB NO. JAP 2251
 CONTRACT ID.
 PROJECT NO.
 PROJECT NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 1-888-ASK-MODOT (1-888-275-6696)
 JEFFERSON CITY, MO 65102

PATTI BANKS ASSOCIATES
 829 WALNUT, SUITE 200
 KANSAS CITY, MO 64108
 (816) 766-5690
 LANDSCAPE ARCHITECT
 LMC# 2002028262



NOTES:
 1. REFER TO SHEET 122 FOR SEED AND PLANT SCHEDULES.
 2. ALL PLANTING AREAS SHALL BE STAKED IN THE FIELD FOR VERIFICATION FOR REVIEW AND APPROVAL BY THE ENGINEER.



MATCH LINE - STA. 225+75

MATCH LINE - STA. 42+00

M-150 LANDSCAPE PLAN - STA. 225+75 - STA. 238+00

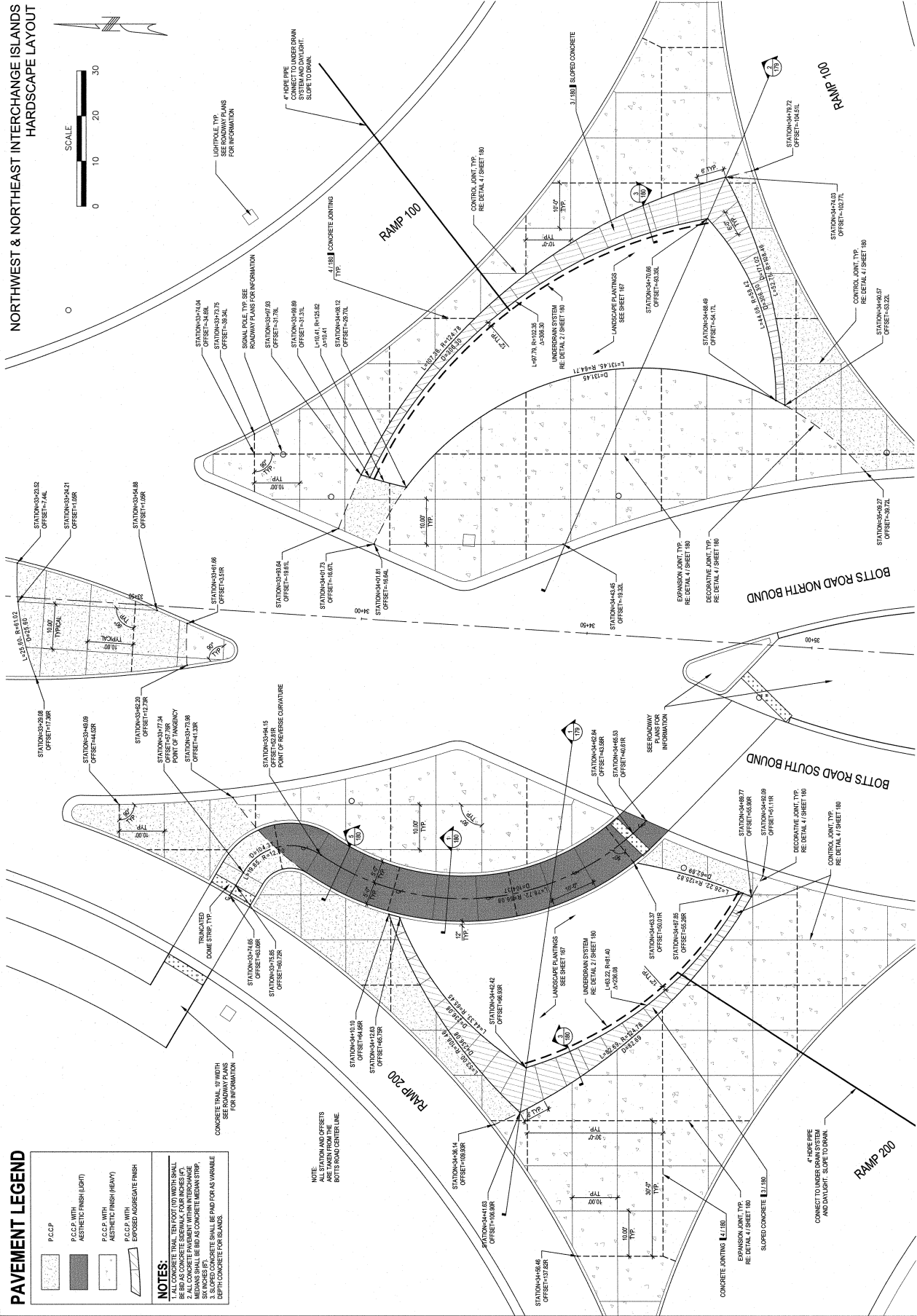


DATE PREPARED	02/15/2010
PROJECT NO.	150
DATE	150
PROJECT NAME	4
PROJECT SHEET NO.	175
COUNTY	JACKSON
JOB NO.	J4P2251
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
DESCRIPTION	
DATE	

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PATTI BANKS ASSOCIATES
LANDSCAPE ARCHITECT
LAC# 2002028326
(816) 756-5580
929 WALNUT, SUITE 200
KANSAS CITY, MO 64108



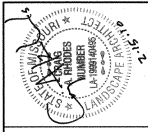
PAVEMENT LEGEND

	P.C.C.P.
	P.C.C.P. WITH AESTHETIC FINISH (LIGHT)
	P.C.C.P. WITH AESTHETIC FINISH (HEAVY)
	EXPOSED AGGREGATE FINISH

NOTES:

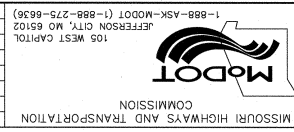
1. ALL CONCRETE TRAIL TEN FOOT (10) WIDTH SHALL BE BID AS CURB AND GUTTER WITH AESTHETIC FINISH. MEDIAN SHALL BE BID AS CONCRETE MEDIAN STRIP.
2. SLOPED CONCRETE SHALL BE PAID FOR AS VARIABLE DEPTH CONCRETE FOR ISLANDS.

NOTE:
ALL STATIONING AND OFFSETS
TO BOTTS ROAD CENTER LINE.

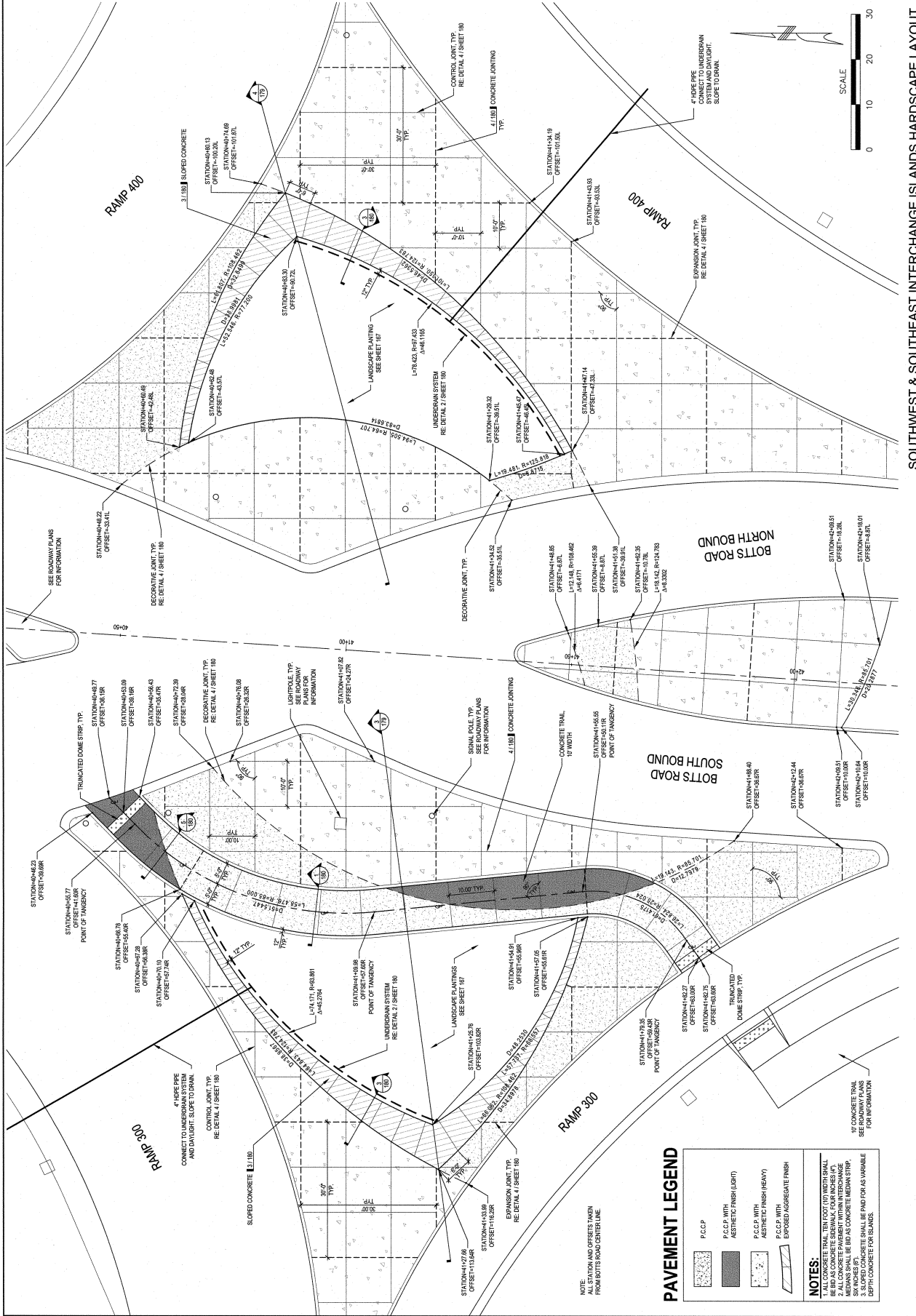


DATE PREPARED: 02/15/2010
 PROJECT NO: J4P2251
 COUNTY: JACKSON
 JOB NO: J4P2251
 CONTRACT ID: J4P2251
 PROJECT NO: J4P2251
 BRIDGE NO: J4P2251

DESCRIPTION: MISSOURI HIGHWAYS AND TRANSPORTATION
 DATE: []



LANDSCAPE ARCHITECT
 PATRICK BANKS ASSOCIATES
 2929 WALNUT, SUITE 200
 KANSAS CITY, MO 64108
 (816) 756-5680
 LAC# 200202826



SOUTHWEST & SOUTHEAST INTERCHANGE ISLANDS HARDSCAPE LAYOUT

PAVEMENT LEGEND

	P.C.C.P.
	P.C.C.P. WITH ASTHETIC FINISH (LEFT)
	P.C.C.P. WITH ASTHETIC FINISH (RIGHT)
	P.C.C.P. WITH EXPOSED AGGREGATE FINISH

- NOTES:**
1. ALL STATION AND OFFSETS TAKEN FROM BOTTS ROAD CENTERLINE.
 2. ALL CONCRETE SHALL BE PAID FOR AS VARIABLE WITH CONCRETE.
 3. SLOPED CONCRETE SHALL BE PAID FOR AS VARIABLE WITH CONCRETE.

Appendix D:

Sample Set of Plans for US-60 and National Ave
(Springfield)

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

RIGHT OF WAY PLANS FOR PROPOSED STATE HIGHWAY

GREENE COUNTY

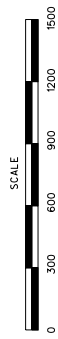
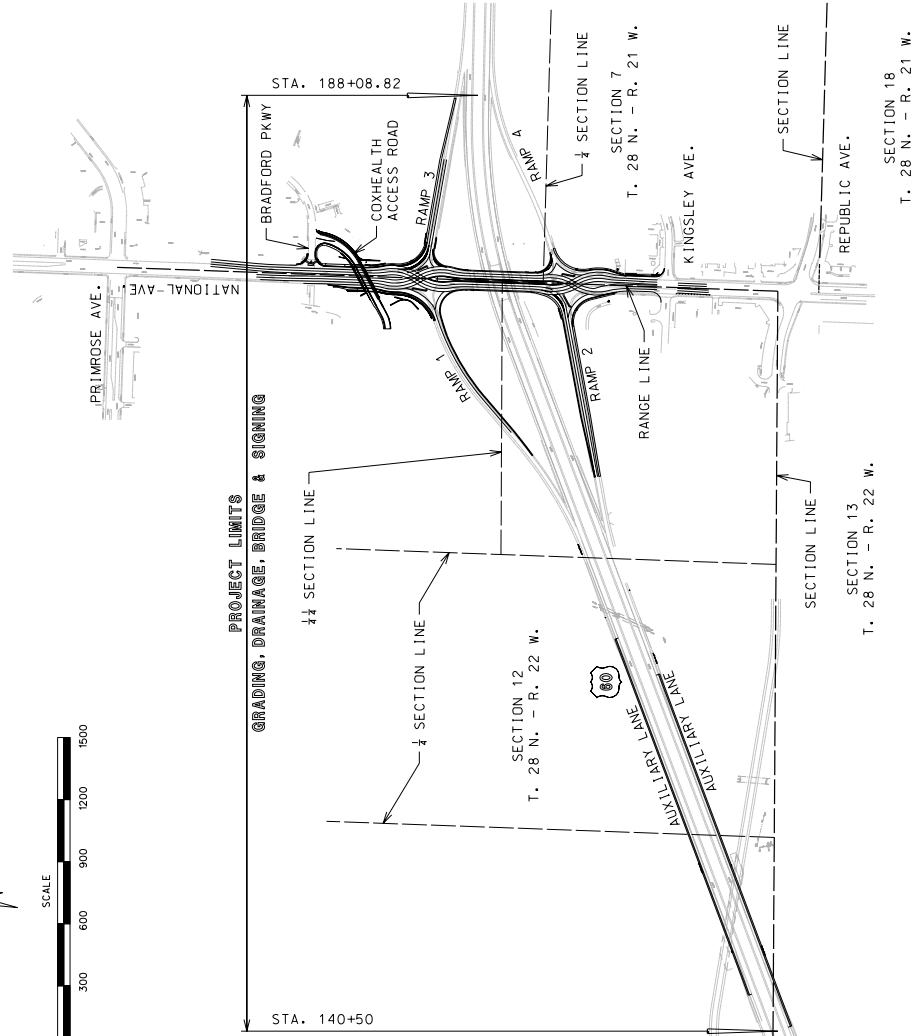
DESIGN DESIGNATION
ROUTE 60
 A.A.D.T. - 2010 = 46,010
 A.A.D.T. - 2030 = 66,130
 T = 8%
 V = 60 M.P.H.
 FUNCTIONAL CLASSIFICATION-
 URBAN PRINCIPAL ARTERIAL

NATIONAL AVE
 A.A.D.T. - 2010 = 37,800
 A.A.D.T. - 2030 = 46,900
 T = 9%
 V = 40 M.P.H.
 FUNCTIONAL CLASSIFICATION-
 URBAN ARTERIAL

NORMAL RIGHT OF WAY
 TO BE ACQUIRED

CONVENTIONAL SYMBOLS
 (USED IN PLANS)

- | | |
|--|---|
| | BUILDINGS AND STRUCTURES |
| | GUARD RAIL |
| | CONCRETE RIGHT-OF-WAY MARKER |
| | STEEL RIGHT-OF-WAY MARKER |
| | LOCATION SURVEY MARKER |
| | FIBER OPTICS |
| | OVERHEAD TELEPHONE |
| | UNDERGROUND TELEPHONE |
| | UNDERGROUND POWER |
| | WATER |
| | MANHOLE |
| | FIRE HYDRANT |
| | WATER VALVE |
| | WATER METER |
| | DITCH INLET |
| | GROUND MOUNTED SIGN |
| | LIGHT POLE |
| | H-FRAME POWER POLE |
| | TELEPHONE PEDESTAL |
| | FENCE |
| | CHAIN LINK |
| | WOVEN WIRE |
| | GATE POST |
| | BENCHMARK |
| | USE IN PLACE |
| | DO NOT DISTURB |
| | REMOVE |
| | NO DIRECT PAY |
| | NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES |

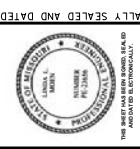


INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (TS) (12 SHEETS)	2
QUANTITIES (QU) (12 SHEETS)	3
PLAN-PROFILE (PP)	4-11
RIGHT OF WAY (RW)	12-13
COORDINATE POINTS (CP)	14
SPECIAL SHEETS (SS)	15-29
TRAFFIC CONTROL SHEETS (TC)	30-37
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LIGHTING (LT)	42-44
SIGNALS (SO)	45-55
PAVEMENT MARKING (PM)	56-85
CULVERT SECTIONS (CS)	86-90
	91-96

LENGTH OF PROJECT

BEGINNING OF PROJECT	STA. 140 + 50.00
END OF PROJECT	STA. 188 + 08.82
APPEARANT LENGTH	4758.82 FEET
EQUATIONS AND EXCEPTIONS:	NONE



DATE PREPARED
 6/3/2009

STATE
 MO

ROUTE
 60

COUNTY
 GREENE

JOB NO.
 JB0791

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

BRIDGE DRAWINGS (B)

A41771----- 1-76

A41782----- 1-9

A7792----- 1-36

A7794----- 1-2

A7795----- 1-2

CROSS SECTIONS (XS)----- 1-32

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

EFK • Moeen, LLC
 585 Parkway Dr
 St. Louis, MO 63021
 Phone 314-728-4100
 Fax 314-728-4199
 Missouri Certificate of Authority: 001578

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 105 WEST CAPITOL JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-279-6636)

DATE DESCRIPTION
 PROJECT NO.
 BRIDGE NO.

DATE PREPARED 05/14/2009
 STATE MO
 DISTRICT 8
 COUNTY I-77
 GREENE
 JOB NO. J8P0791
 CONTRACT ID.
 PROJECT NO.
 BRIDGE NO.

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



MISSOURI ENGINEERING DESIGN
 1532 Bartlett Parkway Dr.
 St. Louis, MO 63021
 Phone 314-729-4190
 Fax 314-729-4199
 Missouri Certificate of Authority: 001578

REVISIONS
 NO. DATE DESCRIPTION

105

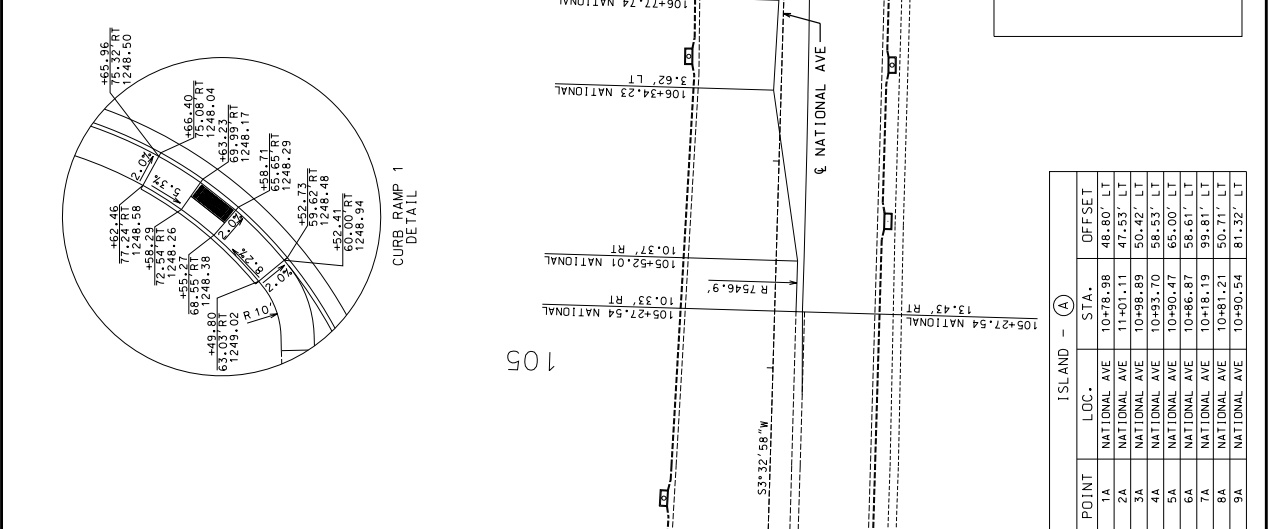
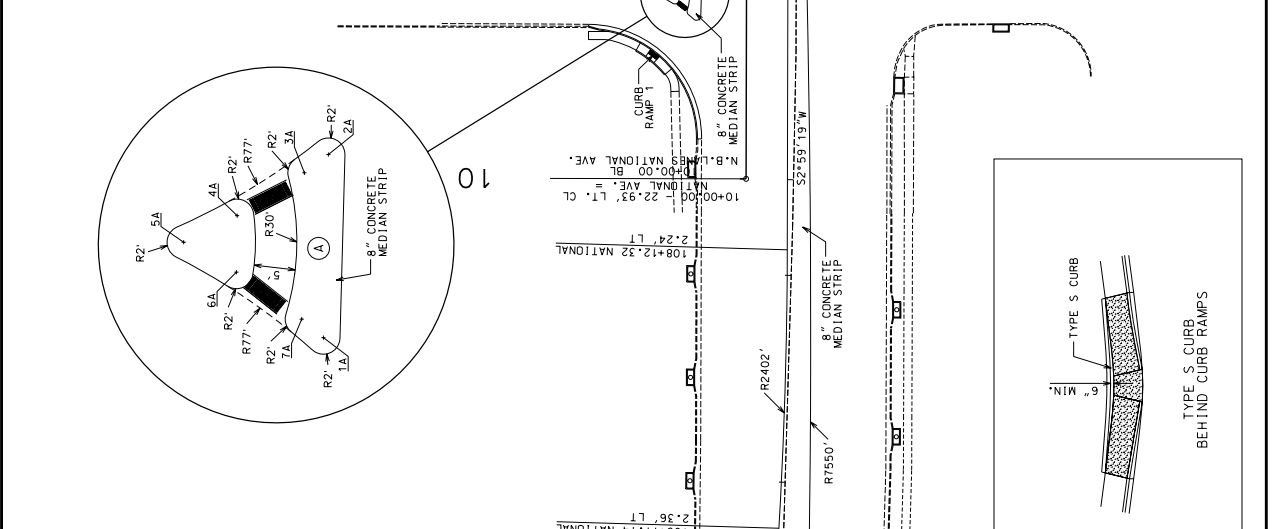
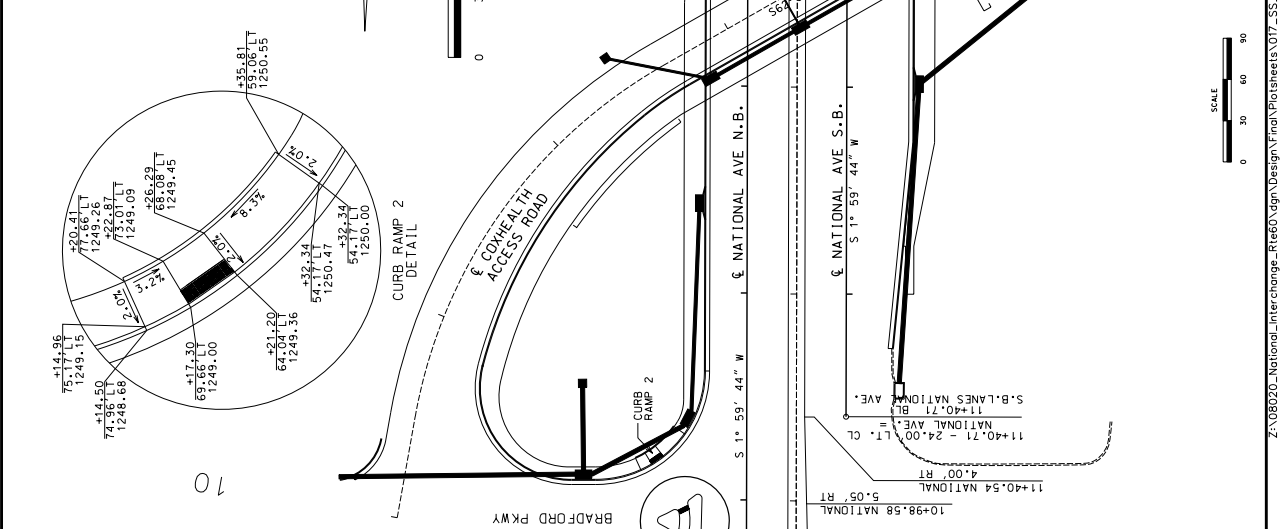
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10

10

10

10



POINT	ISLAND	LOC.	STA.	OFFSET
1A	NATIONAL AVE	10+78.98	48.80' LT	
2A	NATIONAL AVE	11+01.11	47.53' LT	
3A	NATIONAL AVE	10+98.89	50.42' LT	
4A	NATIONAL AVE	10+93.70	58.53' LT	
5A	NATIONAL AVE	10+90.47	65.00' LT	
6A	NATIONAL AVE	10+86.87	68.61' LT	
7A	NATIONAL AVE	10+81.19	99.81' LT	
8A	NATIONAL AVE	10+81.21	60.71' LT	
9A	NATIONAL AVE	10+80.54	81.32' LT	

MATCHLINE 9+00 SEE SHEET 2 OF 3
 SCALE 0 30 60 90
 GEOMETRICS SHEET 1 OF 3

ISLAND - (B)

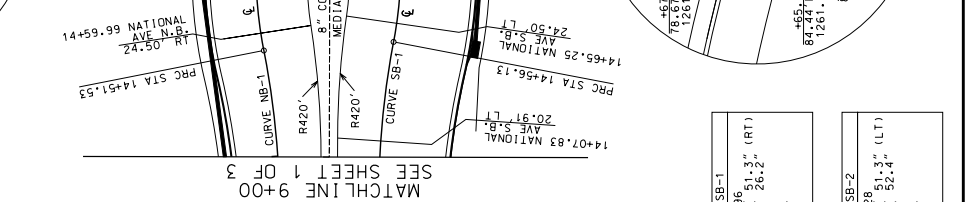
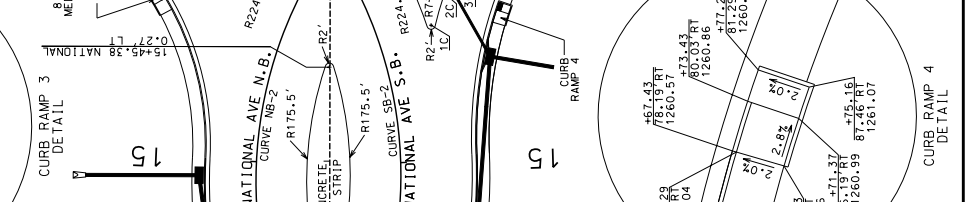
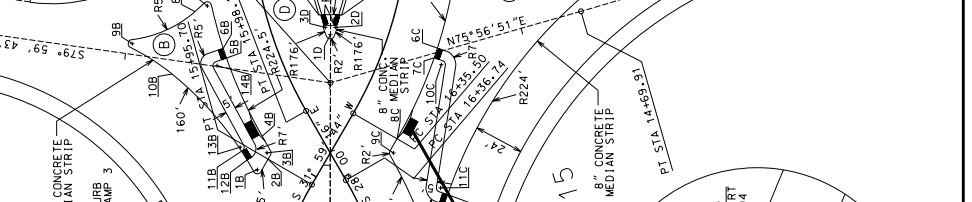
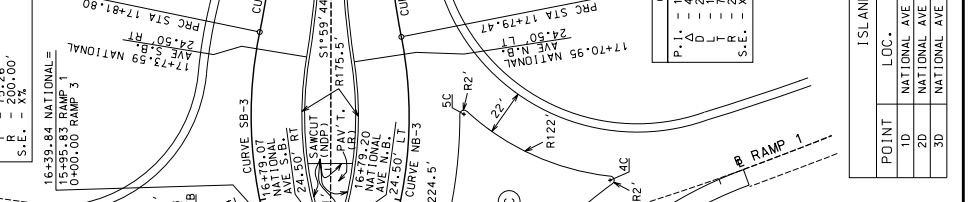
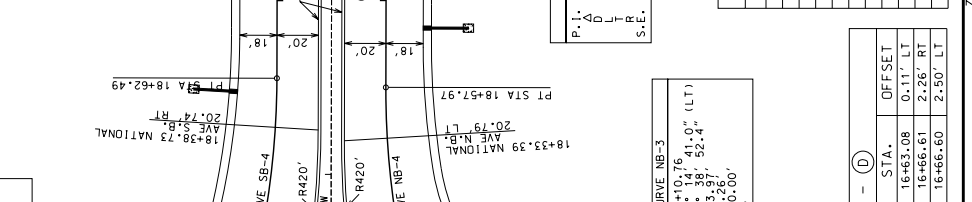
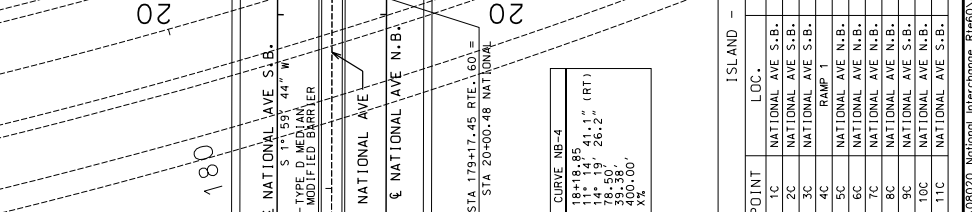
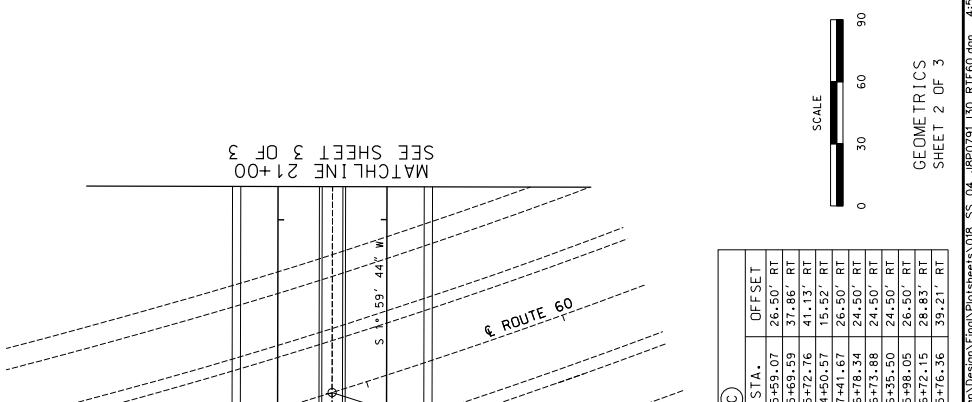
POINT	LOC.	STA.	OFFSET
1B	NATIONAL AVE N.B.	15+89.53	26.50' LT
2B	NATIONAL AVE N.B.	15+95.70	24.50' LT
3B	NATIONAL AVE N.B.	15+98.09	26.50' LT
4B	NATIONAL AVE S.B.	16+36.74	24.50' LT
5B	NATIONAL AVE S.B.	16+73.76	24.50' LT
6B	NATIONAL AVE S.B.	16+78.21	24.50' LT
7B	NATIONAL AVE S.B.	16+97.52	26.50' LT
8B	NATIONAL AVE S.B.	16+96.33	26.50' LT
9B	RAMP 3	0+97.46	5.13' RT
10B	RAMP 3	0+97.46	6.64' RT
11B	NATIONAL AVE N.B.	15+93.06	37.51' LT
12B	NATIONAL AVE N.B.	15+91.01	33.13' LT
13B	NATIONAL AVE N.B.	15+94.18	39.06' LT
14B	NATIONAL AVE S.B.	16+72.04	28.11' LT

ISLAND - (C)

POINT	LOC.	STA.	OFFSET
1C	NATIONAL AVE S.B.	15+59.07	26.50' RT
2C	NATIONAL AVE S.B.	15+59.59	37.86' RT
3C	NATIONAL AVE S.B.	15+72.76	41.31' RT
4C	RAMP 1	14+50.37	15.32' RT
5C	NATIONAL AVE N.B.	17+41.67	26.50' RT
6C	NATIONAL AVE N.B.	16+78.38	24.50' RT
7C	NATIONAL AVE N.B.	16+73.88	24.50' RT
8C	NATIONAL AVE N.B.	16+95.50	24.50' RT
9C	NATIONAL AVE S.B.	15+98.05	26.50' RT
10C	NATIONAL AVE N.B.	16+72.15	28.83' RT
11C	NATIONAL AVE S.B.	15+76.36	39.21' RT

ISLAND - (D)

POINT	LOC.	STA.	OFFSET
1D	NATIONAL AVE	16+63.08	0.11' LT
2D	NATIONAL AVE	15+66.61	2.26' RT
3D	NATIONAL AVE	16+66.60	2.50' LT



CURVE NB-1

P.I. = 14+12.21
 Δ = 14° 18' 09.9" (LT)
 D = 78.91' 26.2"
 T = 39.58'
 S.E. = XX

CURVE NB-2

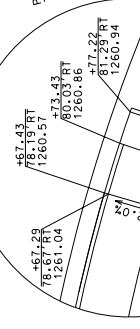
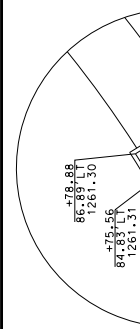
P.I. = 15+26.91
 Δ = 18° 09.9" (RT)
 D = 44.19' 52.4"
 T = 75.38'
 S.E. = XX

CURVE SB-1

P.I. = 14+18.96
 Δ = 10° 40' 51.3" (RT)
 D = 74.51' 26.2"
 T = 37.39'
 S.E. = XX

CURVE SB-2

P.I. = 15+30.28
 Δ = 40° 40' 51.3" (LT)
 D = 142.00' 52.4"
 T = 74.14'
 S.E. = XX



DATE PREPARED: 05/14/2009

STATE: MD

DISTRICT: 18

COUNTRY: GREENE

JOB NO.: J8P0791

CONTRACT ID:

PROJECT NO.:

BRIDGE NO.:

DESCRIPTION:

DATE:

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

REVISIONS:

SCALE: 0 30 60 90

GEOMETRICS SHEET 2 OF 3

Z:\08020-National_Interchange_Rite60.dgn\Design\TitleSheets\08_SS_04_bhp0791\03-RTIEED.dgn 4:59:47 PM 05/14/2009



MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-279-6636)

Project No. _____
 Bridge No. _____
 Description _____
 Date _____

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED
 05/14/2009

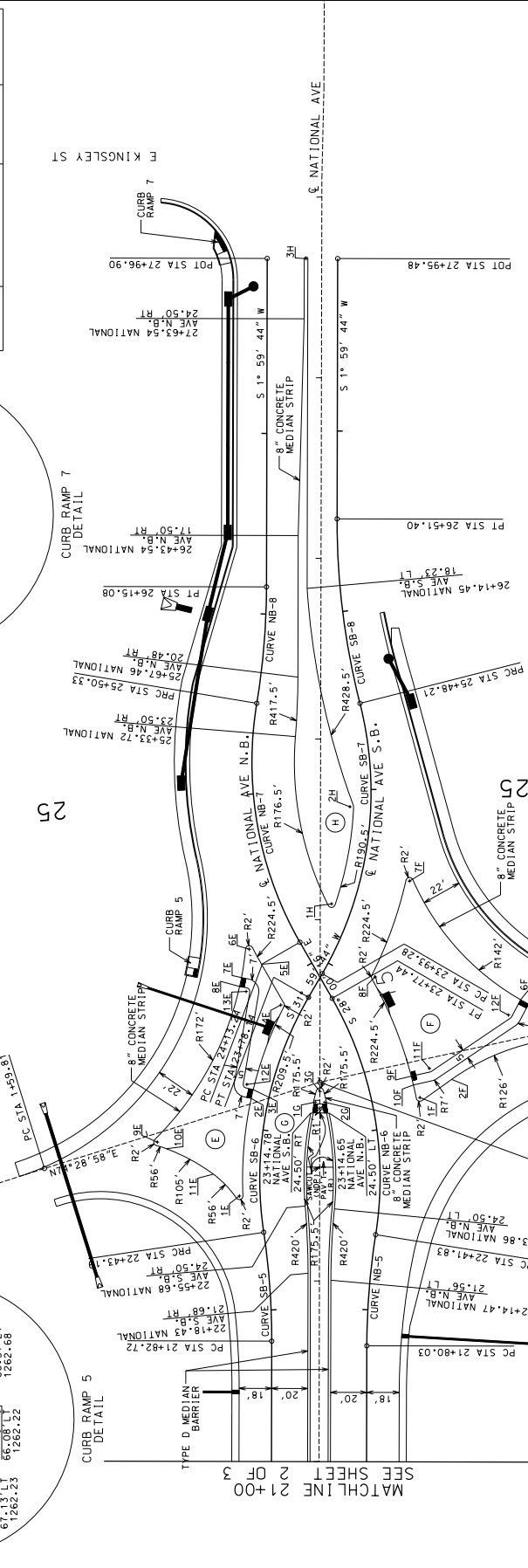
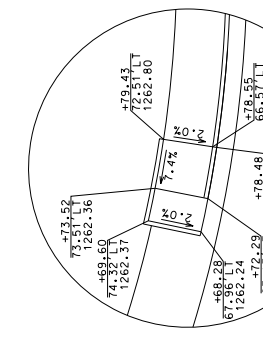
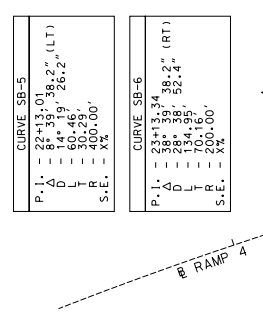
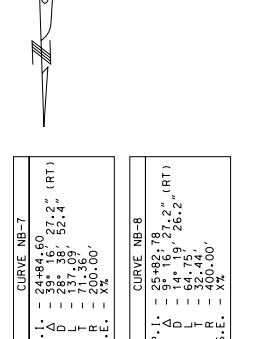
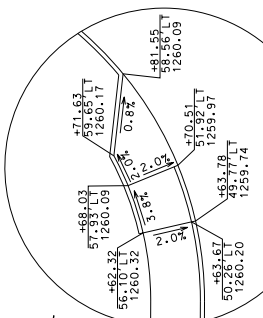
DATE PREPARED 05/14/2009
 SHEET NO. 8
 COUNTY GREENE
 PROJECT NO. J8P0791
 CONTRACT ID. _____

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-279-6636)

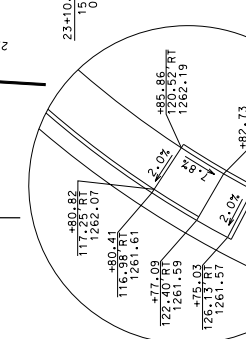
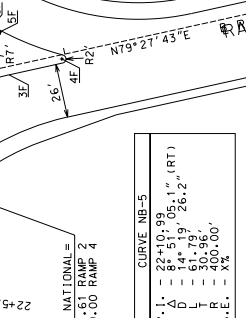
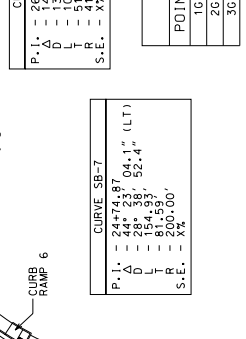
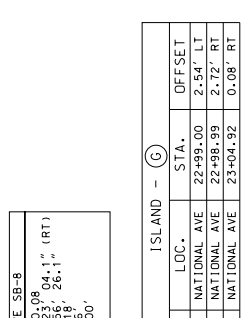
EFK & Moen, LLC
 Civil Engineering Design
 228 South Highway Dr.
 St. Louis, MO 63021
 Phone 314-729-4190
 Fax 314-729-4199
 Missouri Certificate of Authority: 001578

REV. 05/14/2009
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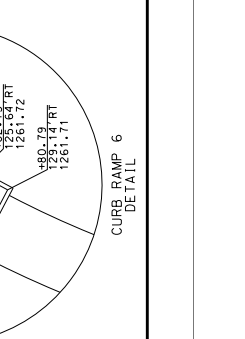
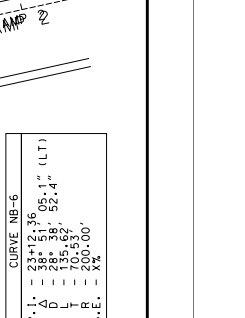
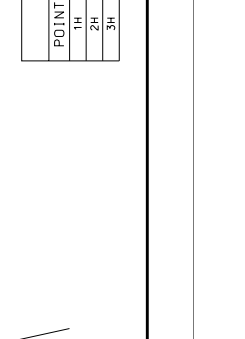
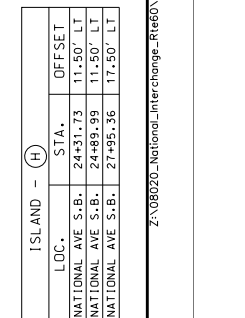
POINT	LOC.	STA.	OFFSET
1E	NATIONAL AVE S.B.	22+63.90	11.50' LT
2E	NATIONAL AVE S.B.	23+15.72	9.50' LT
3E	NATIONAL AVE S.B.	23+20.49	9.50' LT
4E	NATIONAL AVE S.B.	23+67.37	11.50' LT
5E	NATIONAL AVE N.B.	24+13.24	24.50' LT
6E	NATIONAL AVE N.B.	24+22.65	25.50' LT
7E	NATIONAL AVE N.B.	24+12.80	37.92' LT
8E	NATIONAL AVE N.B.	24+08.67	41.15' LT
9E	RAMP 4	0+35.19	4.14' LT
10E	NATIONAL AVE S.B.	22+86.15	52.30' LT
11E	NATIONAL AVE S.B.	22+75.19	25.72' LT
12E	NATIONAL AVE S.B.	23+22.32	13.64' LT
13E	NATIONAL AVE N.B.	24+04.46	39.34' LT



POINT	LOC.	STA.	OFFSET
1F	NATIONAL AVE N.B.	23+12.86	26.50' RT
2F	RAMP 2	14+78.02	14.15' LT
3F	RAMP 2	14+28.48	4.00' LT
4F	RAMP 2	14+01.92	2.00' LT
5F	NATIONAL AVE S.B.	24+20.95	110.21' RT
6F	NATIONAL AVE S.B.	24+21.32	105.24' RT
7F	NATIONAL AVE N.B.	24+54.74	26.68' RT
8F	NATIONAL AVE N.B.	23+76.09	26.50' RT
9F	NATIONAL AVE N.B.	23+24.05	24.50' RT
10F	NATIONAL AVE N.B.	23+19.60	24.50' RT
11F	NATIONAL AVE N.B.	23+25.48	35.28' RT
12F	NATIONAL AVE S.B.	24+14.48	102.39' RT



POINT	LOC.	STA.	OFFSET
1H	NATIONAL AVE S.B.	24+31.73	11.50' LT
2H	NATIONAL AVE S.B.	24+85.99	11.50' LT
3H	NATIONAL AVE S.B.	27+95.36	17.50' LT



DATE PREPARED	05/14/2009
STATE	MD
DISTRICT	8
COUNTY	20
JOB NO.	GREENE
CONTRACT ID.	J8P0791
PROJECT NO.	
BRIDGE NO.	
DESCRIPTION	
DATE	

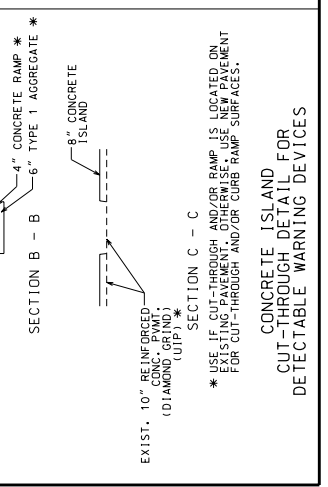
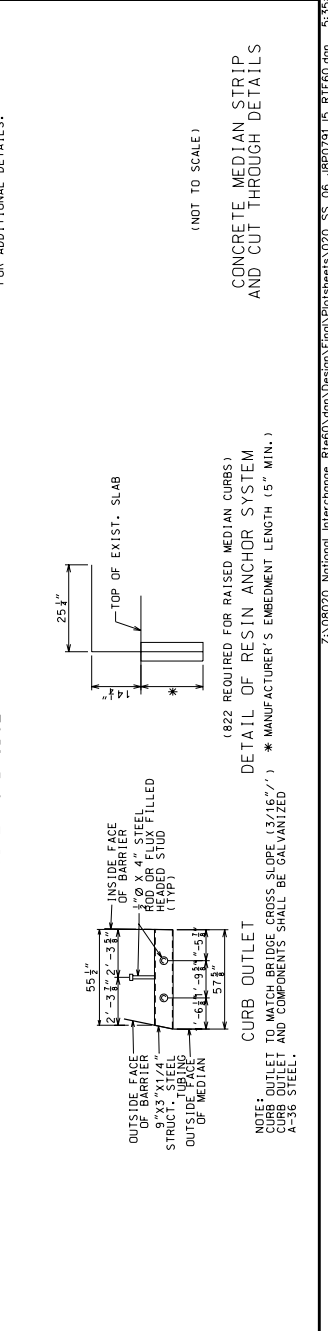
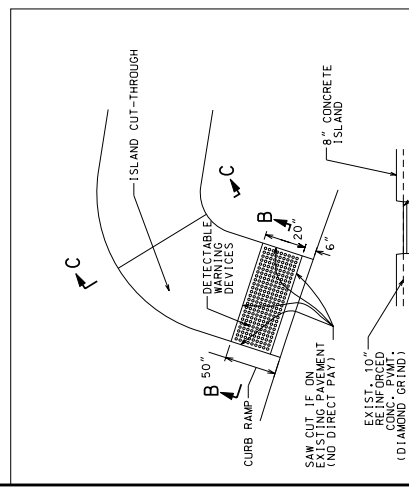
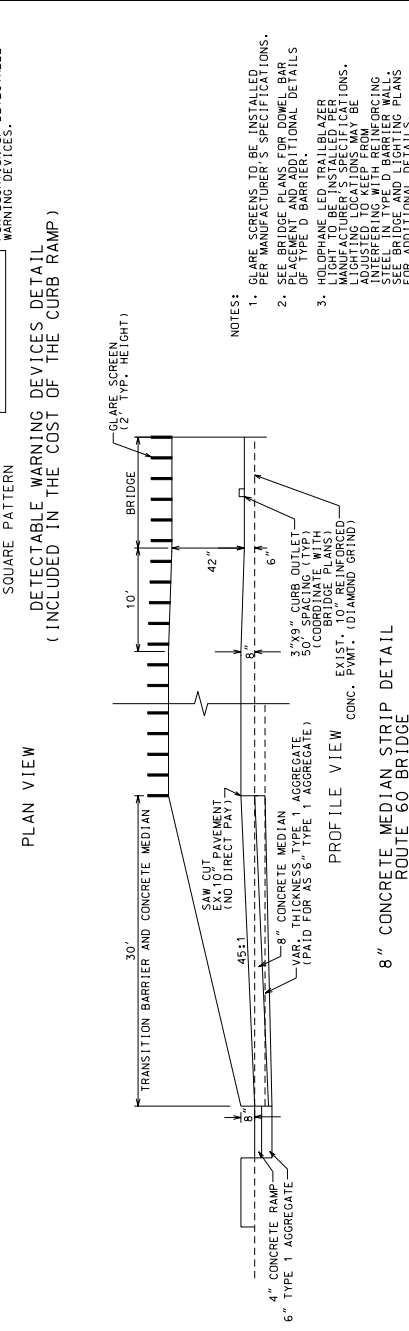
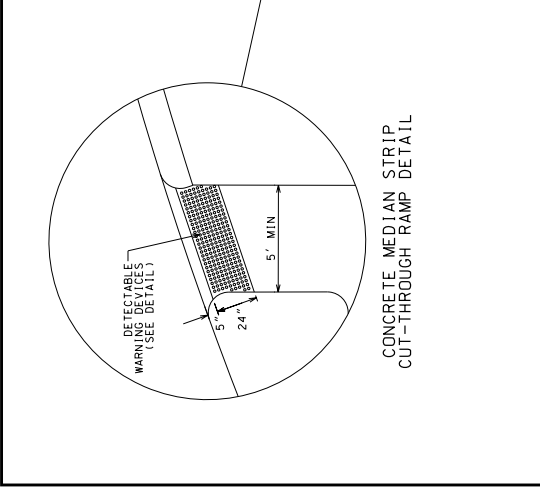
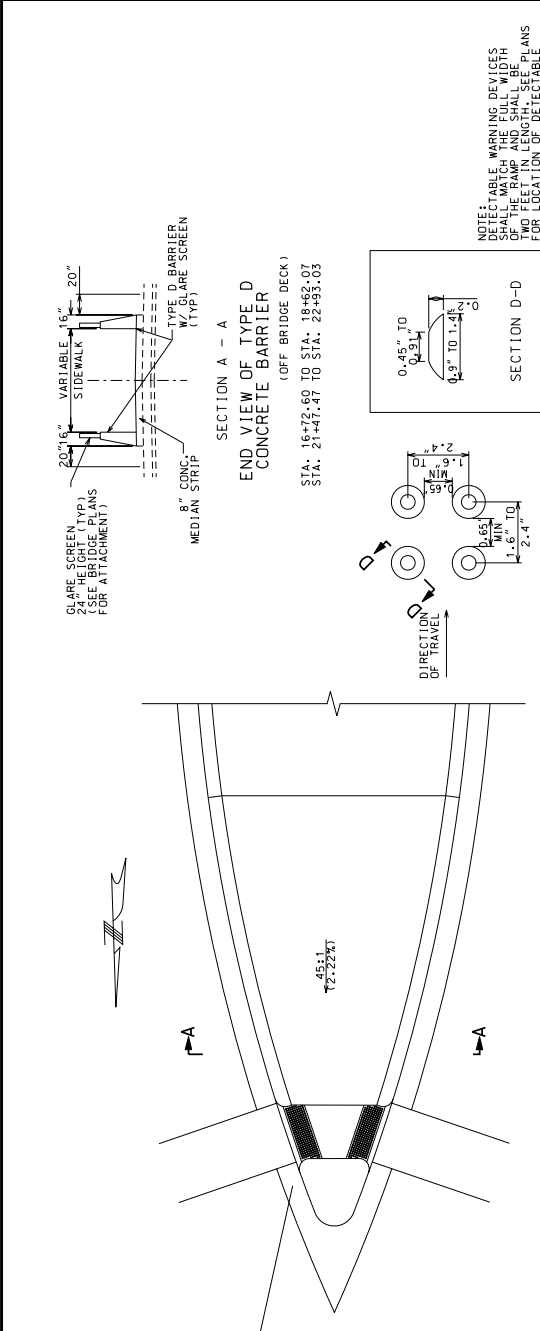
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-273-6636)

EFK • Moen, LLC
 Civil Engineering Design
 2200 Riverfront Parkway Dr
 Suite 400
 St. Louis, MO 63021
 Phone 314-729-4199
 Fax 314-729-4199

Missouri Certificate of Authority: 001578



NOTE: DETECTABLE WARNING DEVICES SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. SEE BRIDGE PLANS FOR DETAIL BAR PLACEMENT AND ADDITIONAL DETAILS OF TYPE D BARRIER.

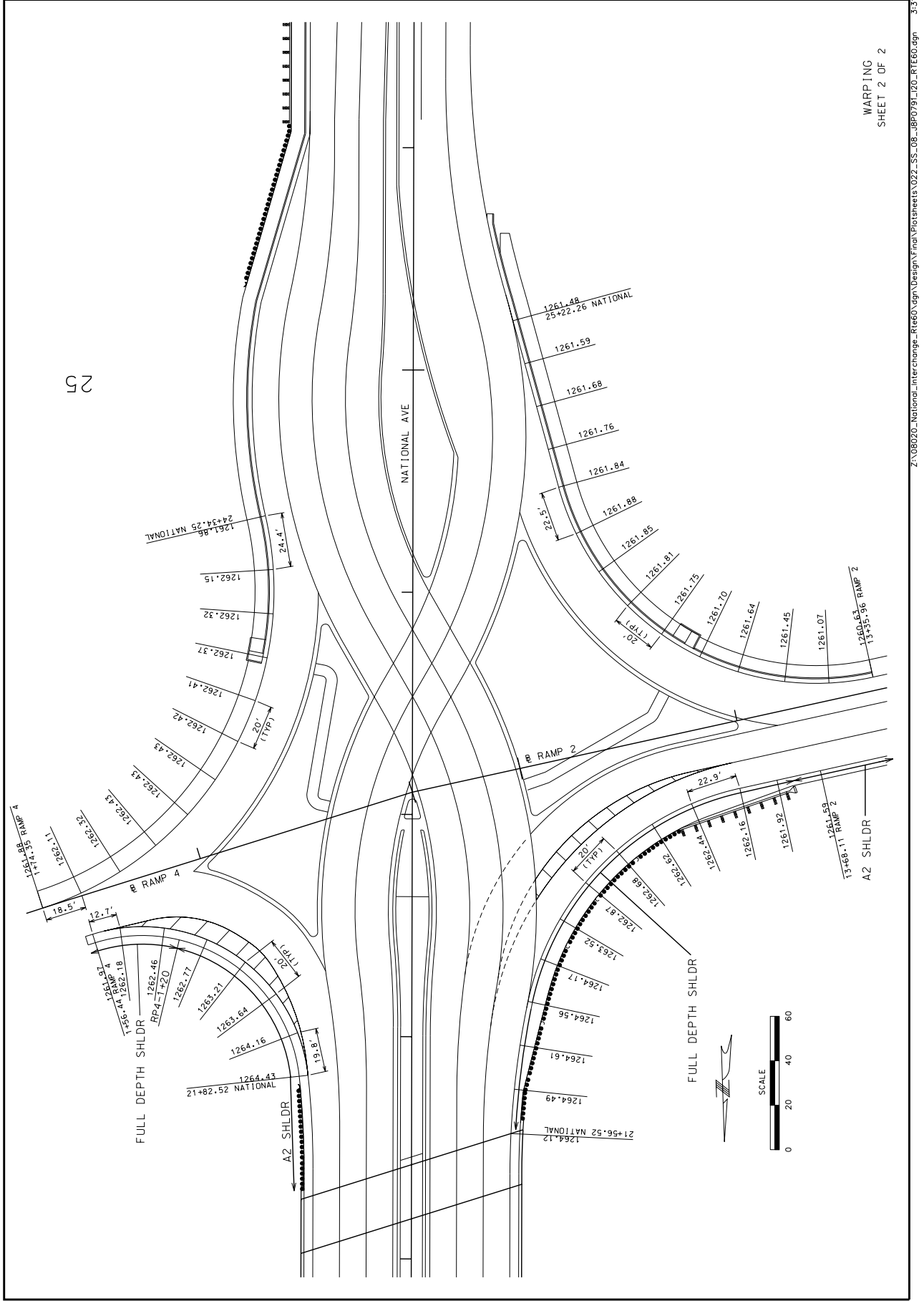
NOTE: CLARE SCREENS TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. SEE BRIDGE PLANS FOR DETAIL BAR PLACEMENT AND ADDITIONAL DETAILS OF TYPE D BARRIER.

NOTE: HOLOPHANE LED TRAILBLAZER LIGHTING LOCATIONS MAY BE MANUFACTURER'S SPECIFICATIONS. INTERFERING WITH REINFORCING STEEL IN TYPE D BARRIER WALL. SEE BRIDGE PLANS FOR ADDITIONAL DETAILS.

NOTE: (822 REQUIRED FOR RAISED MEDIAN CURBS) DETAIL OF RESIN ANCHOR SYSTEM * MANUFACTURER'S EMBEDMENT LENGTH (5" MIN.)

NOTE: OUTLET TO MATCH BRIDGE CROSS SLOPE (3/16"/7'). * MANUFACTURER'S EMBEDMENT LENGTH (5" MIN.) A-36 STEEL.

NOTE: USE IF CUT-THROUGH AND/OR RAMP IS LOCATED ON EXISTING PAVEMENT. OTHERWISE, USE NEW PAVEMENT FOR CUT-THROUGH AND/OR CURB RAMP SURFACES.



25

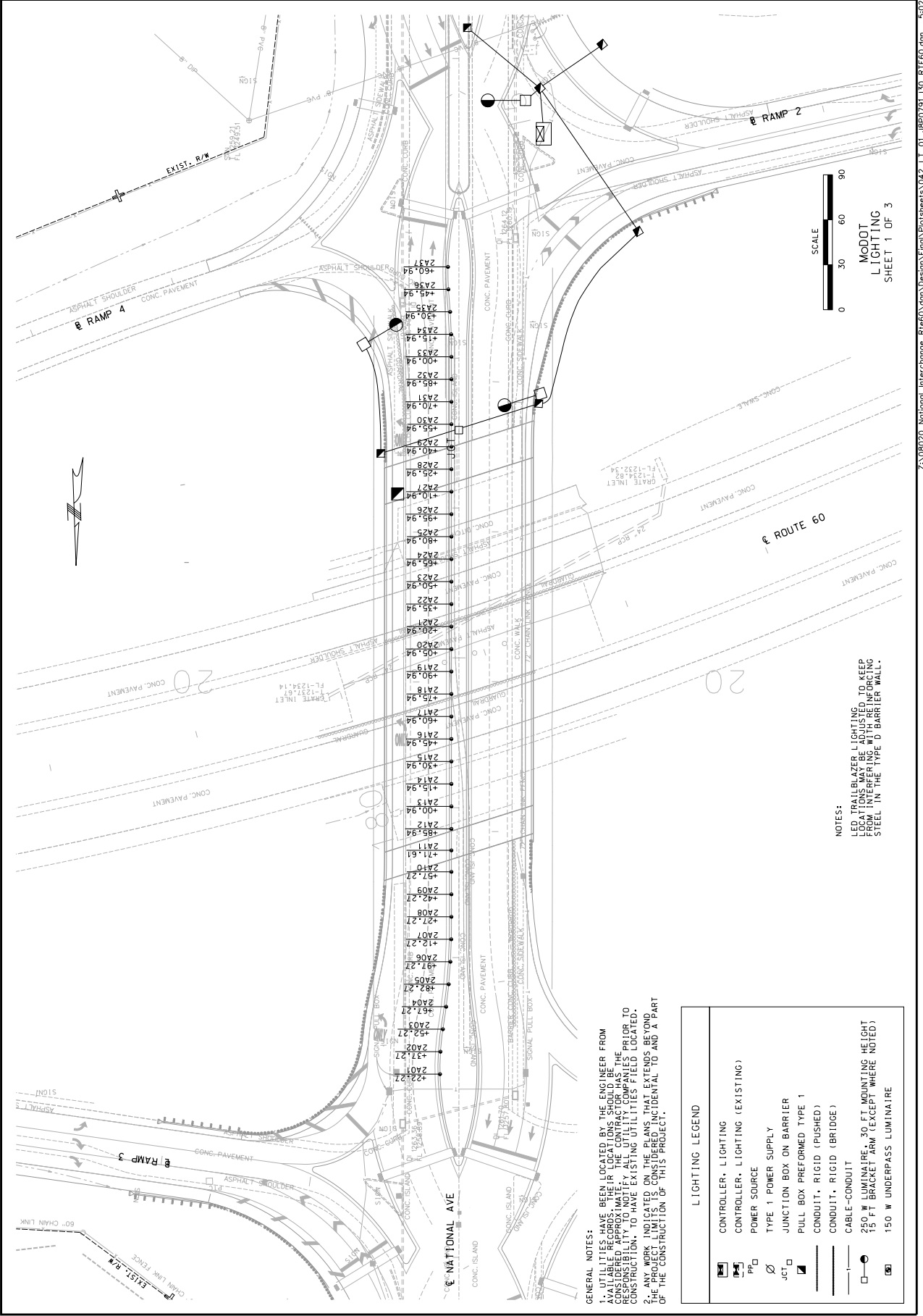
WARPING
SHEET 2 OF 2

DATE PREPARED	05/14/2009
STATE	MD
ROUTE	60
DISTRICT	8
SHEET NO.	42
COUNTY	GREENE
JOB NO.	J8P0791
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

MISSOURI HIGHWAYS AND TRANSPORTATION
 DATE _____ DESCRIPTION _____

MDOT
 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-279-6361)

EFK • Moen, LLC
 Civil Engineering Design
 1832 BARNETT PARKWAY DR
 SUITE 200
 PHOENIX, AZ 85024
 Phone 314-729-4190
 Fax 314-729-4199
 Missouri Certificate of Authority: 001578



SCALE
 0 30 60 90

MODOT
 LIGHTING
 SHEET 1 OF 3

NOTES:
 LED TRAILBLAZER LIGHTING TO KEEP FROM INTERFERING WITH ENFORCING STEEL IN THE TYPE D BARRIER WALL.

GENERAL NOTES:
 1. UTILITIES HAVE BEEN LOCATED BY THE ENGINEER FROM AVAILABLE RECORDS. THEIR LOCATIONS SHOULD BE THE RESPONSIBILITY TO NOTIFY ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION, TO HAVE EXISTING UTILITIES FIELD LOCATED.
 2. ANY WORK INDICATED ON THE PLANS THAT EXTENDS BEYOND THE CONSTRUCTION OF THIS PROJECT.

LIGHTING LEGEND

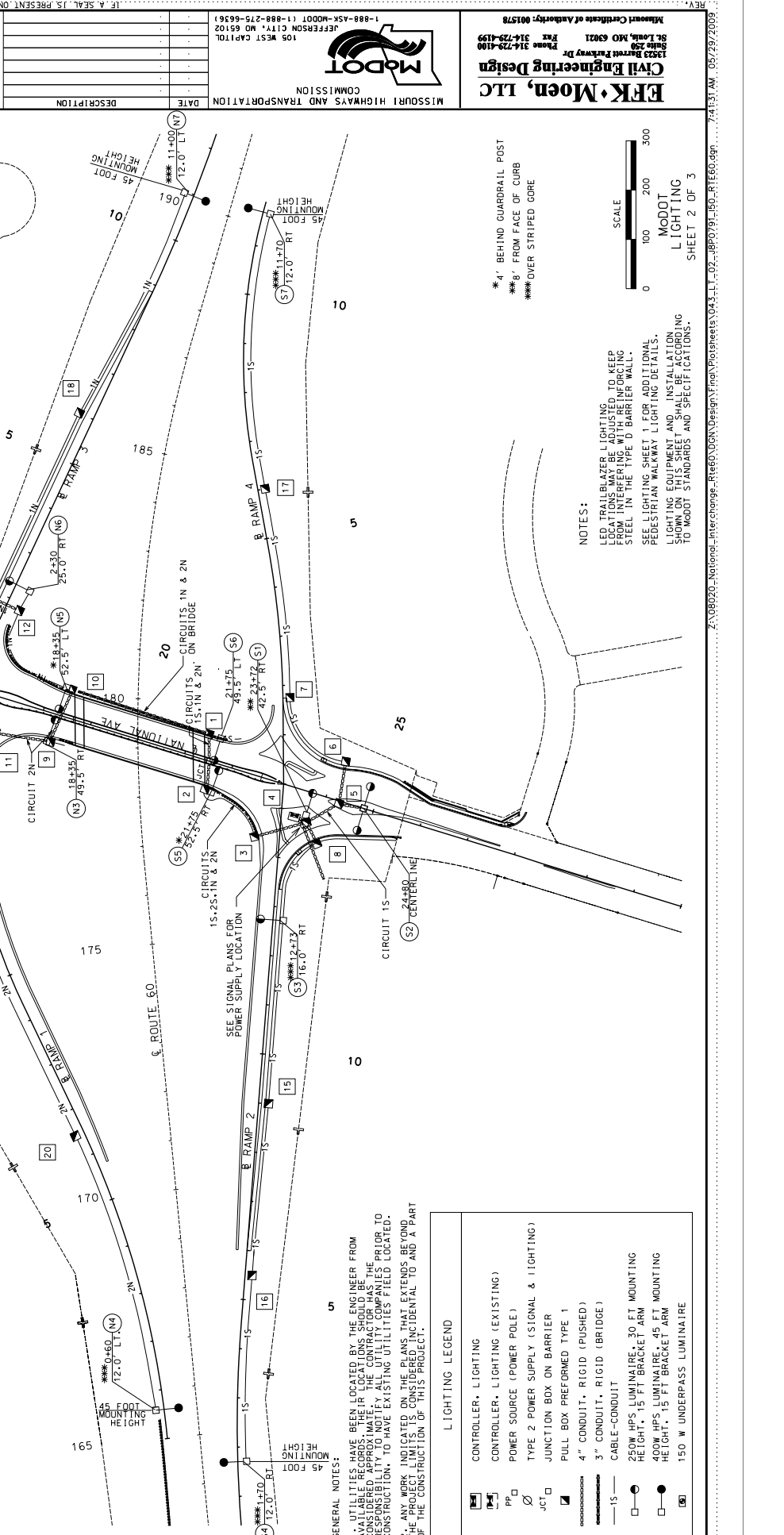
- CONTROLLER, LIGHTING
- CONTROLLER, LIGHTING (EXISTING)
- POWER SOURCE
- TYPE 1 POWER SUPPLY
- JUNCTION BOX ON BARRIER
- PULL BOX PREFORMED TYPE 1
- CONDUIT, RIGID (PUSHED)
- CONDUIT, RIGID (BRIDGE)
- CABLE-CONDUIT
- 250 W LUMINAIRE, 30 FT MOUNTING HEIGHT
- 150 W BRACKET ARM (EXCEPT WHERE NOTED)
- 150 W UNDERPASS LUMINAIRE

DATE PREPARED: 05/29/2009
 STATE: MO
 DISTRICT: 8
 COUNTY: GREENE
 JOB NO.: J8P0791
 CONTRACT ID:
 PROJECT NO.:
 BRIDGE NO.:

1-888-ASK-MODOT (1-888-279-6636)
 JEFFERSON CITY, MO 65102
 105 WEST CAPITOL

Missouri Certificate of Authority: 001578
 EFK • Moen, LLC
 8100 South 27th Street
 Suite 202
 Omaha, NE 68111
 Phone: 314-729-4199
 Fax: 314-729-4199

DATE DESCRIPTION

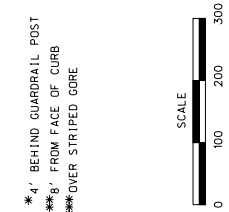


GENERAL NOTES:
 1. UTILITIES HAVE BEEN LOCATED BY THE ENGINEER FROM AVAILABLE RECORDS. THEIR LOCATIONS SHOULD BE CONSIDERED APPROXIMATELY. THE CONTRACTOR HAS THE PRIOR TO CONSTRUCTION TO HAVE EXISTING UTILITIES FIELD LOCATED.
 2. ANY WORK INDICATED ON THE PLANS THAT EXTENDS BEYOND THE PROJECT LIMITS IS CONSIDERED INCIDENTAL TO AND A PART OF THE CONSTRUCTION OF THIS PROJECT.

LIGHTING LEGEND

- CONTROLLER, LIGHTING
- CONTROLLER, LIGHTING (EXISTING)
- POWER SOURCE (POWER POLE)
- TYPE 2 POWER SUPPLY (SIGNAL & LIGHTING)
- JUNCTION BOX ON BARRIER
- PULL BOX PERFORMED TYPE 1
- 4" CONDUIT, RIGID (PUSHED)
- 3" CONDUIT, RIGID (BRIDGE)
- CABLE-CONDUIT
- 250W HPS LUMINAIRE, 30 FT MOUNTING HEIGHT, 15 FT BRACKET ARM
- 400W HPS LUMINAIRE, 45 FT MOUNTING HEIGHT, 15 FT BRACKET ARM
- 150 W UNDERPASS LUMINAIRE

NOTES:
 LED TRAILBLAZER LIGHTING TO KEEP LOCATIONS MAY BE ADJUSTED TO KEEP STEEL IN THE TYPE D BARRIER WALL.
 SEE LIGHTING SHEET 1 FOR ADDITIONAL PEDESTRIAN WALKWAY LIGHTING DETAILS.
 LIGHTING EQUIPMENT AND INSTALLATION SHOWN ON THIS SHEET SHALL BE ACCORDING TO MODOT STANDARDS AND SPECIFICATIONS.



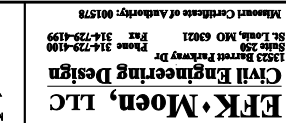
*4' BEHIND GUARDRAIL POST
 *8' FROM FACE OF CURB
 ***OVER STRIPED CORE



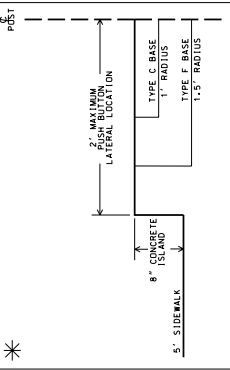
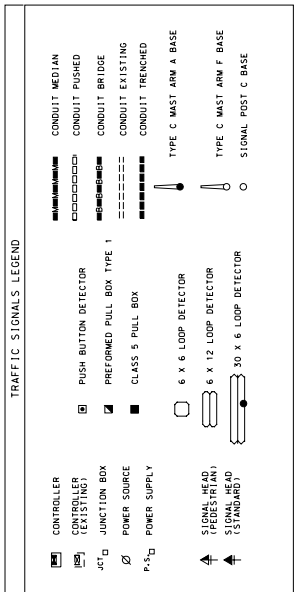
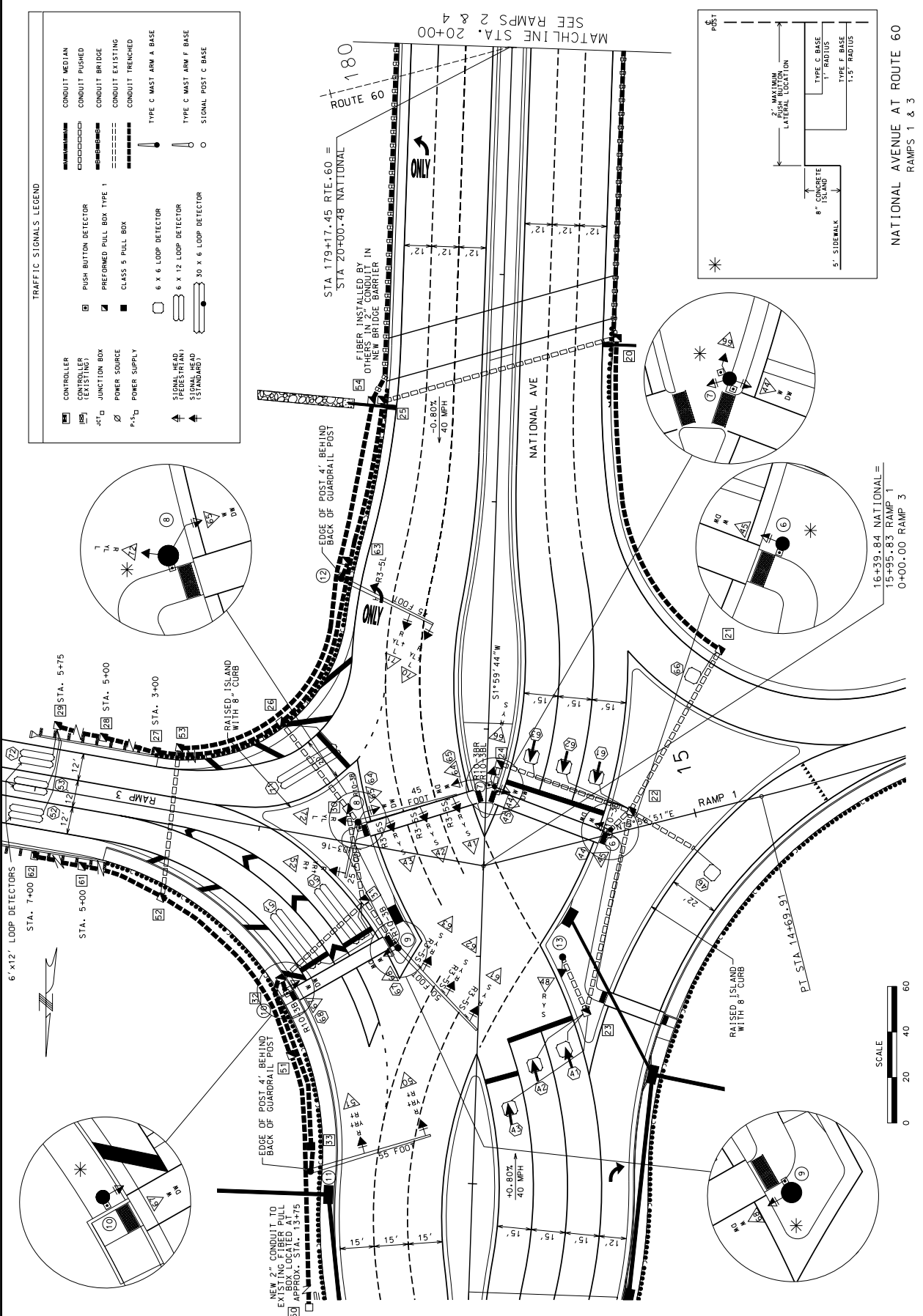
DATE PREPARED	05/29/2009
STATE	MO
DISTRICT	8
COUNTY	GREENE
JOB NO.	J8P0791
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

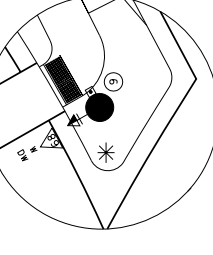
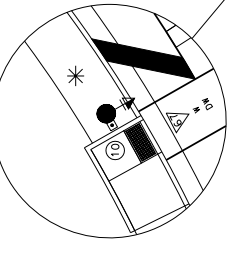
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-658-4600 (1-888-279-6636)

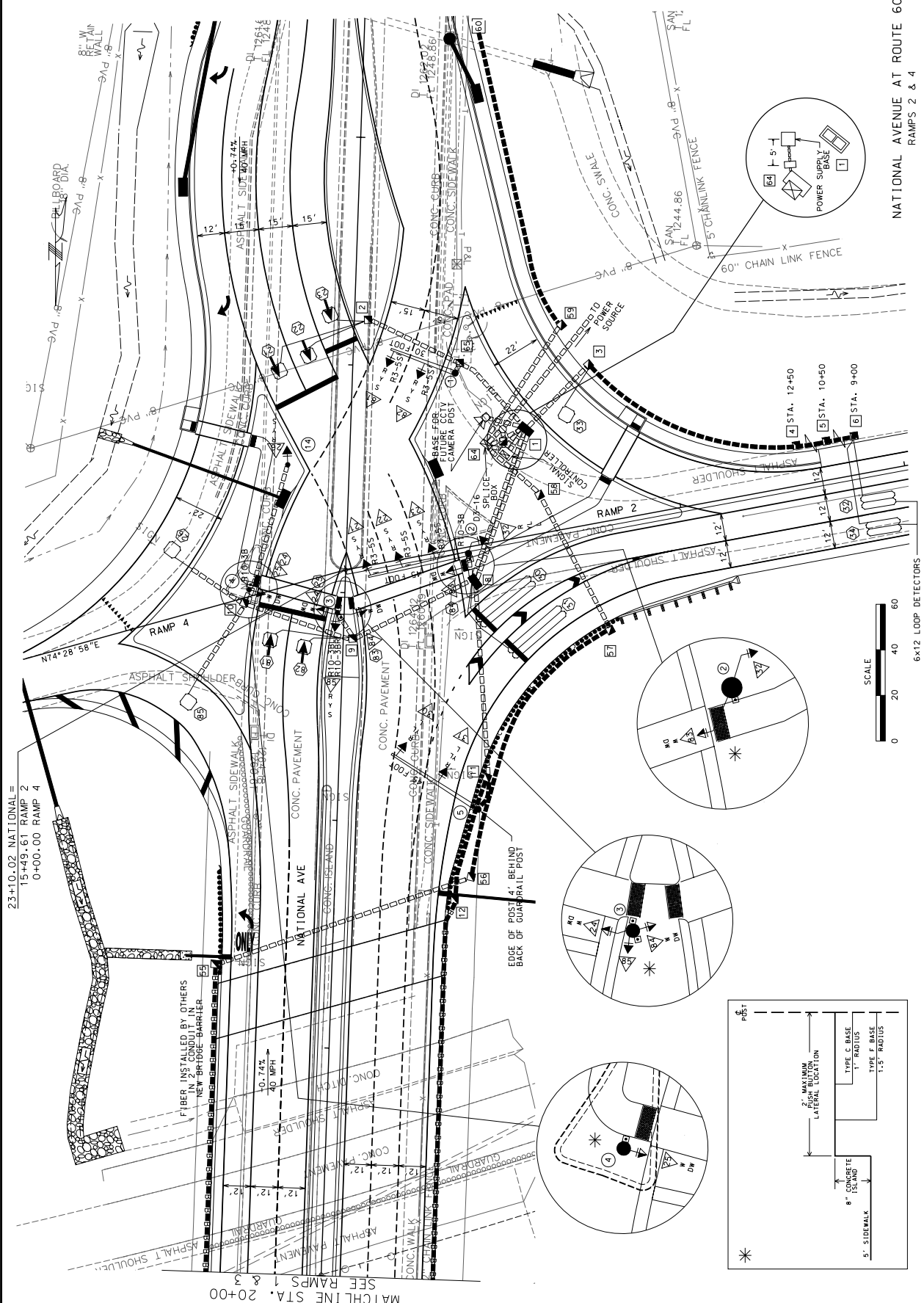


EFK • Moen, LLC
 Civil Engineering Design
 1833 Barrett Parkway Dr
 Suite 200
 St. Louis, MO 63021
 Phone 314-729-4190
 Fax 314-729-4199
 Missouri Certificate of Authority: 001578



NATIONAL AVENUE AT ROUTE 60
 RAMP 1 & 3





DATE PREPARED 05/29/2009
 STATE MD
 DISTRICT 8
 SHEET NO. 50
 COUNTY GREENE
 JOB NO. J8P0791
 CONTRACT ID.
 PROJECT NO.
 BRIDGE NO.

DATE	DESCRIPTION

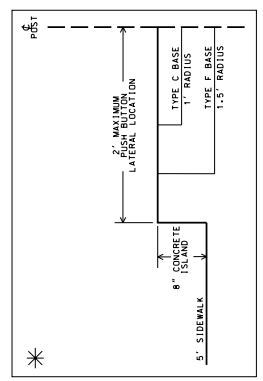
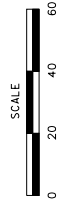
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MDOT

1-888-ASK-MODOT (1-888-279-6361)
 JEFFERSON CITY, MO 65102
 105 WEST CAPITOL

EPRK • Moeen, LLC
 Civil Engineering Design
 8102 Barrett Parkway Dr.
 St. Louis, MO 63021
 Phone 314-729-4199
 Fax 314-729-4199
 Missouri Certificate of Authority: 001578

NATIONAL AVENUE AT ROUTE 60
 RAMP 2 & 4



2:\080202_National_Interchange_Fiber\vdgn\Design\1\m\Photosheets\050_58_06_18p0791_20_1\FE00.dgn 9/9/09 5:59:55 AM 05/29/2009

DATE PREPARED	05/29/2009
STATE	MD
DISTRICT	8
SHEET NO.	90
COUNTY	GREENE
JOB NO.	J8P0791
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASM-4MDOT (1-888-279-6636)



EFK • Moen, LLC
 Civil Engineering Design
 1333 Barrett Parkway Dr
 St. Louis, MO 63021
 Phone 314-729-4199
 Fax 314-729-4199
 Missouri Certificate of Authority: 001578

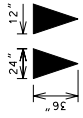
NOTES:

- ALL STRIPINGS IS 6" ON ROUTE 60 AND RAMP 1 AND 2" ON NATIONAL AVE UNLESS OTHERWISE NOTED.
- ALL STRIPINGS ON NATIONAL AVE IS STATIONED OFF OF N.B. OR S.B. CENTERLINES, UNLESS OTHERWISE NOTED.
- ALL CROSSWALK STRIPES SHALL BE 6".
- NO DIRECT PAV FOR TRUNCATED DOMES AT CROSSWALKS.

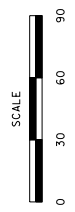
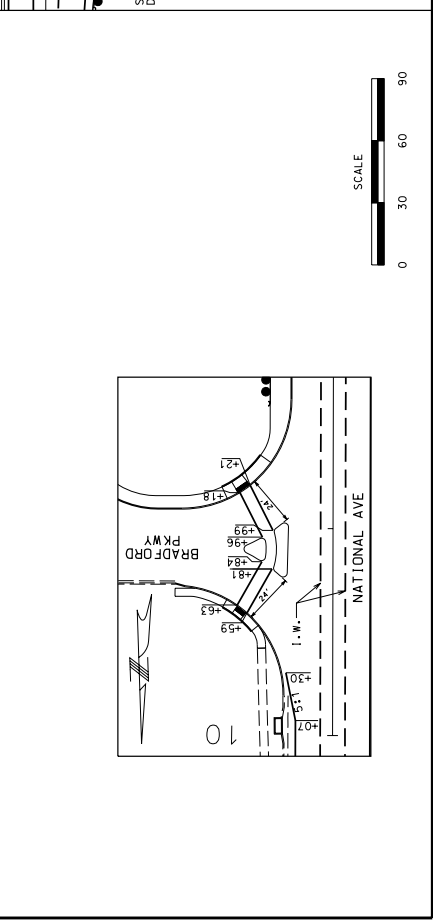
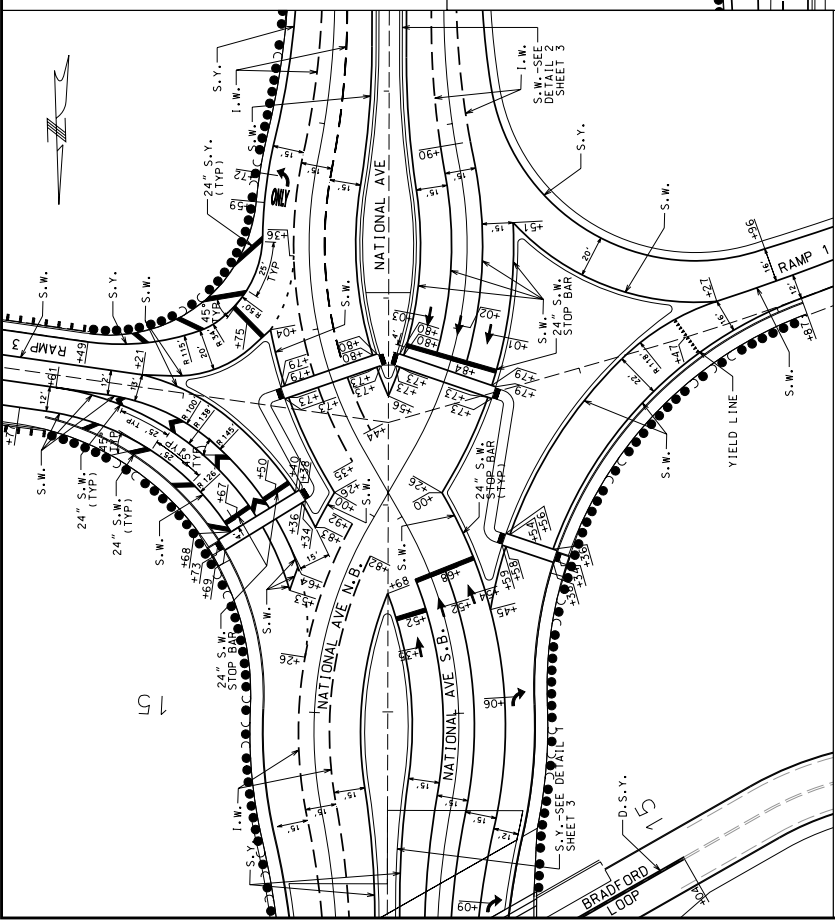
LEGEND

- S.Y. - SOLID YELLOW
- S.W. - SOLID WHITE
- I.Y. - INTERMITTENT YELLOW
- I.W. - INTERMITTENT WHITE
- D-S-Y. - DOUBLE SOLID YELLOW

NOTE:
 YIELD LINE SHALL POINT TOWARD APPROACHING VEHICLES



DETAIL OF YIELD LINE TRIANGLES

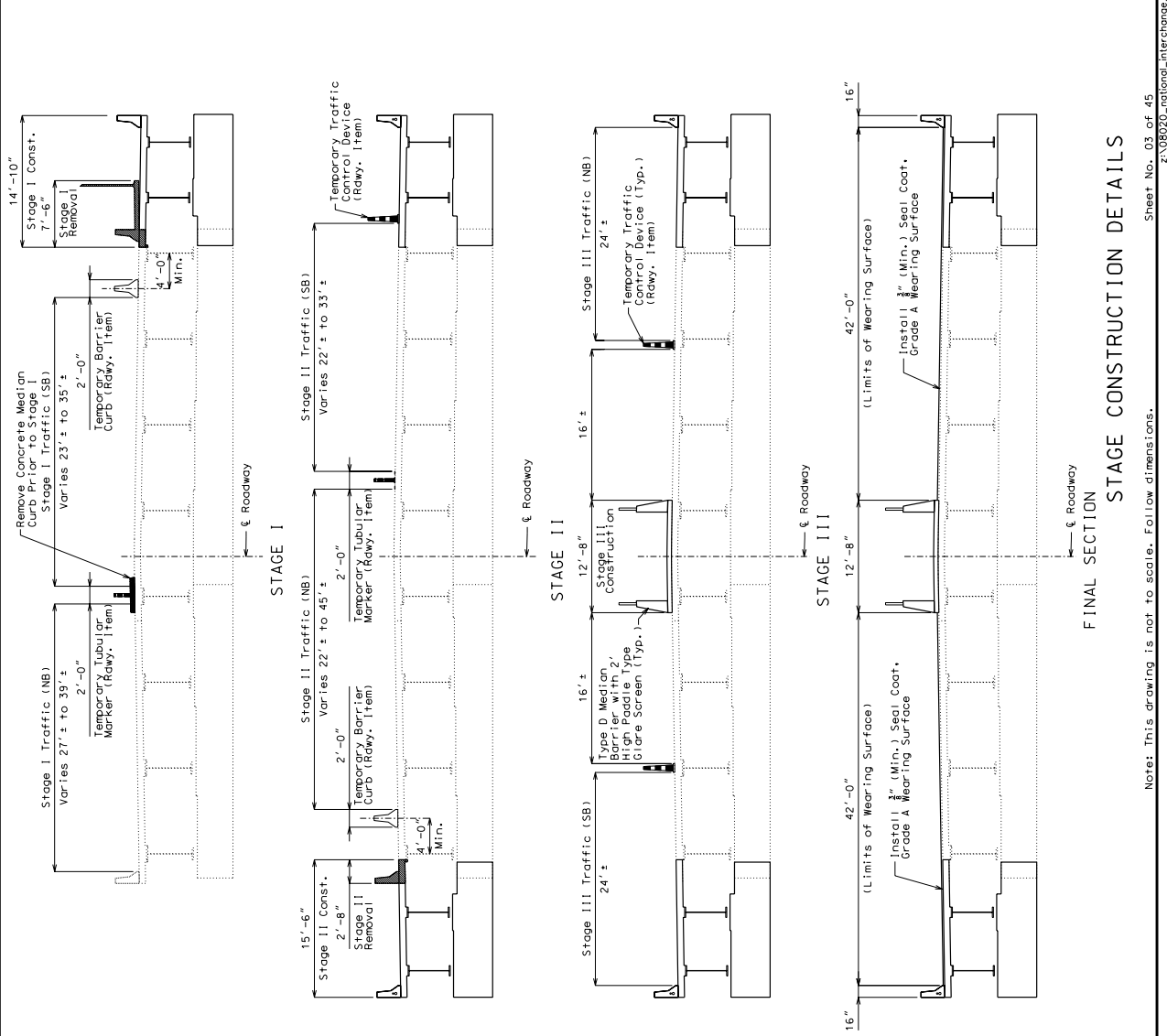


PAVEMENT MARKING
 SHEET 5 OF 5

DATE REVISED	4-23-2009
BY	MD
DATE	60
DISTRICT	BR
SHEET NO.	3
COUNTY	GREENE
JOB NO.	
CONTRACT NO.	
PROJECT NO.	J8P0791
BRIDGE NO.	A41771
DESCRIPTION	
DATE	

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

Notes:
 Traffic over structure to be maintained during construction.
 See Roadway plans for traffic control.
 Temporary Barrier (Roadway Item) shall not be attached to the bridge.
 Method of attachment for the Type F Temporary Barrier (Roadway Item) shall be the Tie-Down Strap.
 Seal Coat, Grade A wearing surface shall be in accordance with Sec. 403. The area of the wearing surface will be measured and computed to the nearest square yard. This area will be measured transversely from out to out of overlay and shall include the area of the Approach Beam at Abutment No. 3. Adutment No. 1 to Full Face of Approach Beam at Abutment No. 3.
 Payment for Wearing Surface will be considered completely covered by the contract unit price per square yard for Seal Coat, Grade A.
 In order to maintain grade and a minimum thickness of overlay as shown on plans it may be necessary to use additional quantities of overlay at various locations throughout the structure. The cost of furnishing and installing the overlay shall be included in the unit price. The unit price shall include all additional labor, materials or equipment for variations in thickness of overlay.



FINAL SECTION
STAGE CONSTRUCTION DETAILS

Note: This drawing is not to scale. Follow dimensions.

Appendix E:

Sample Set of Plans for I-70 and Woods Chapel Rd
(Blue Springs)

CITY OF BLUE SPRINGS MISSOURI

PLANS FOR PROPOSED WOODS CHAPEL ROAD IMPROVEMENTS NW JEFFERSON RD TO NW CASTLE DR

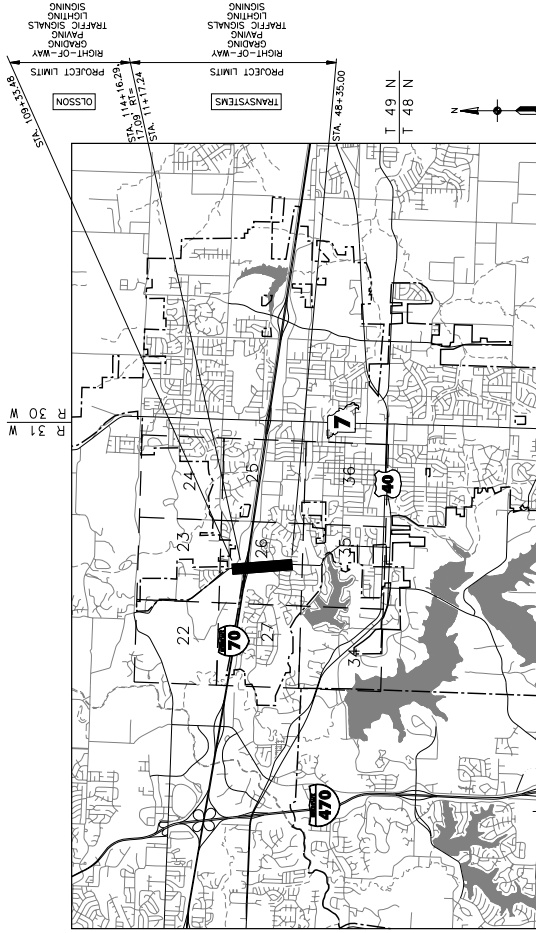
TRANSSYSTEMS

SHEET NO.	DESCRIPTION
1	TITLE PAGE
2	GENERAL NOTES
3	TYPICAL SECTIONS
4	GRADING PLANS
5	ALIGNMENT DESCRIPTIONS
6	STATION AND OFFSETS
7	CURB RETURN PROFILES
8	MISCELLANEOUS DETAILS
9	CONCRETE DETAILS
10	STORM SEWER DETAILS
11	PROPOSED DETAILS
12	EXISTING BRIDGE DETAILS
13	EXISTING BRIDGE PLANS
14	TRAFFIC SIGNAL PLANS
15	PAVEMENT MARKING AND SIGNING
16	EROSION CONTROL DETAIL
17	LANDSCAPE PLANS
18	REGULATION QUICK COUPLER
19	CROSS SECTIONS

OLSSON

SHEET NO.	DESCRIPTION
A01	TYPICAL SECTIONS/ALIGNMENT DATA
A02	PLAN AND PROFILE SHEETS
A03 - A08	DRAFT LOCATION SURVEY

JACKSON COUNTY
MHTC JOB NO. J412289



LOCATION MAP
1" = 1000'

BLUE SPRINGS, JACKSON COUNTY, MISSOURI
SECTION 26, TOWNSHIP 49N, RANGE 31W

RIGHT OF WAY

THE DESIGN GUIDE FOR THE WIDTH OF RIGHT OF WAY FOR THIS PROJECT OR LESS RIGHT OF WAY MAY BE SECURED TO SATISFY THE REQUIREMENT OF THE DESIGN FEATURES OF THIS ROADWAY.
ALL RIGHT-OF-WAY ACQUIRED TO BE FULLY ACCESS CONTROLLED.
CITY RIGHT-OF-WAY ASSIGNED TO BE NORMAL CITY RIGHT-OF-WAY.

- EXISTING CITY CONTROLLED ACCESS RIGHT OF WAY
- NEW CITY CONTROLLED ACCESS RIGHT OF WAY
- EXISTING CITY RIGHT OF WAY
- NEW CITY RIGHT OF WAY
- EXISTING MDOT CONTROLLED ACCESS RIGHT OF WAY
- NEW MDOT CONTROLLED ACCESS RIGHT OF WAY

LEGEND

- OVERHEAD ELECTRIC
- WATER LINE
- GAS LINE
- FIBER OPTIC
- TELEPHONE
- UNDERGROUND ELECTRIC
- SANITARY SEWER LINE
- ELECTRIC MANHOLE
- POWER POLE
- GUY WIRE
- ELECTRIC BOX
- WATER VALVE
- FIRE HYDRANT - TRIPLE
- GAS METER
- GAS TESTING STATION
- GAS REGULATOR
- CABLE TELEVISION BOX
- TELEPHONE PEDestal
- TELEPHONE POLE
- SANITARY SEWER MANHOLE
- VAULT
- METAL POLE W/ LUMINAIRE
- BENCH MARK
- SIGNAL CONTROL BOX
- MAST ARM
- GENERIC MANHOLE
- FENCE
- PINE TREE
- TREE
- BUSH
- STUMP
- YARD OR LOT LIGHT
- BUSINESS SIGN
- MISC. POST
- MALEBOX
- BORING LOG
- BENCH MARK
- RESEARCH MARK
- CONTROL POINT
- JUNCTION BOX
- SAWCUT

IF THIS DRAWING IS LESS THAN 22 X 34 IT IS A REDUCED SIZE DRAWING

DESIGN DESIGNATION

WOODS CHAPEL ROAD
CLASSIFICATION = 26500 ARTERIAL
A.D.T. = 2039 = 40,200
D.A.V. = 32
V = 40 M.P.H.

EMERGENCY UTILITY NUMBERS

- CALL BEFORE YOU DIG --- 1 - 800 - 806 - 8182
- KCP&L - JEFF WILLIAMS --- 816 - 731 - 7777 EXT 4910
- COMCAST COMMUNICATIONS - STEVE CROWMELL --- 816 - 795 - 2257
- MISSOURI GAS ENERGY - KENY LYNCH --- 816 - 339 - 6218
- GAS (WATER, SANITARY SEWER) - CHRIS SANDIE --- 816 - 228 - 0194
- LIGHTCORE - KIRK THOMAS --- 816 - 880 - 1610
- KC SCOUT - KENNY LYNCH --- 816 - 985 - 0884
- MDOT SIGNALS - MARK DURHAM --- 816 - 356 - 4748

TRANSSYSTEMS	
LENGTH OF PROJECT	48+35.00
BEGINNING OF PROJECT	11+17.24
PROJECT LENGTH	3717.76

OLSSON	
LENGTH OF PROJECT	114+16.29
BEGINNING OF PROJECT	482.81
PROJECT LENGTH	482.81

APPROVED BY: _____ DATE _____
CITY OF BLUE SPRINGS

JEFF SELL
ASSISTANT DIRECTOR OF PUBLIC WORKS

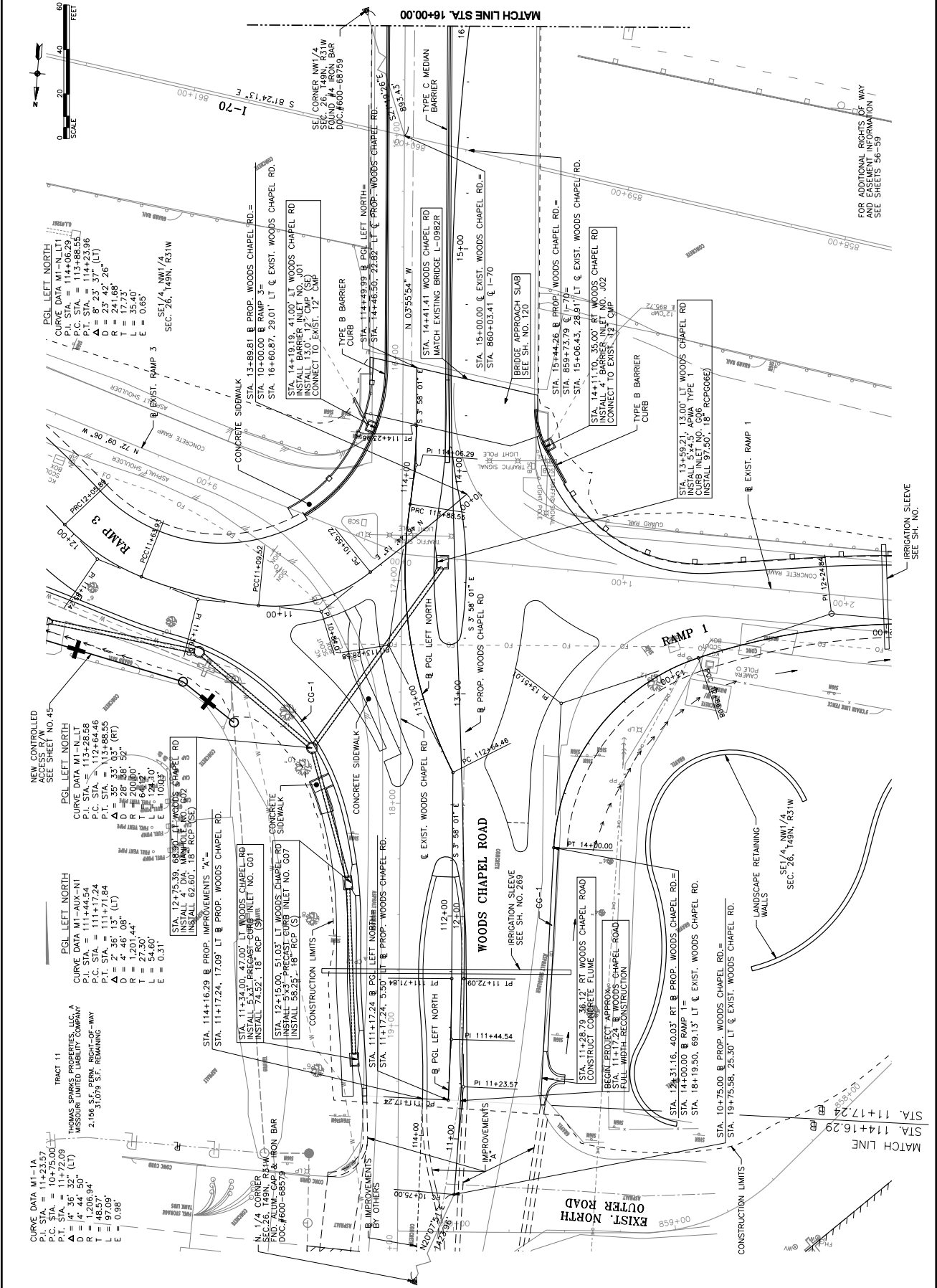
APPROVED BY: _____ DATE _____
CITY OF INDEPENDENCE

JOHN FOWELL, P.E.
DIRECTOR OF PUBLIC WORKS

ENGINEER
TRANSSYSTEMS ENGINEERS SEAL APPLIES FOR TRANSSYSTEMS SHEETS ONLY

ENGINEER
OLSSON ENGINEERS SEAL APPLIES FOR OLSSON'S SHEETS ONLY





NEW CONTROLLED ACCESS R/W SEE SHEET NO. 45

PGL LEFT NORTH
CURVE DATA M1-AUX-N1
P.C. STA. = 113+28.58
P.T. STA. = 114+23.96
Δ = 8° 23' 37" (LT)
D = 23° 42' 26"
R = 177.75'
L = 177.75'
T = 35.40'
E = 0.65'

PGL LEFT NORTH
CURVE DATA M1-N1-LT
P.C. STA. = 114+23.96
P.T. STA. = 114+23.96
Δ = 8° 23' 37" (LT)
D = 23° 42' 26"
R = 177.75'
L = 177.75'
T = 35.40'
E = 0.65'

PGL LEFT NORTH
CURVE DATA M1-AUX-N1
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P.T. STA. = 114+23.96
Δ = 8° 23' 37" (LT)
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L = 177.75'
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P.T. STA. = 114+23.96
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E = 0.65'

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CURVE DATA M1-N1-LT
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P.T. STA. = 114+23.96
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E = 0.65'

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E = 0.65'

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P.T. STA. = 114+23.96
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E = 0.65'

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P.T. STA. = 114+23.96
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E = 0.65'

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P.T. STA. = 114+23.96
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CURVE DATA M1-N1-LT
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P.T. STA. = 114+23.96
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PGL LEFT NORTH
CURVE DATA M1-AUX-N1
P.C. STA. = 113+28.58
P.T. STA. = 114+23.96
Δ = 8° 23' 37" (LT)
D = 23° 42' 26"
R = 177.75'
L = 177.75'
T = 35.40'
E = 0.65'

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CURVE DATA M1-N1-LT
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P.T. STA. = 114+23.96
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L = 177.75'
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E = 0.65'

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P.T. STA. = 114+23.96
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P.T. STA. = 114+23.96
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D = 23° 42' 26"
R = 177.75'
L = 177.75'
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E = 0.65'

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CURVE DATA M1-AUX-N1
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P.T. STA. = 114+23.96
Δ = 8° 23' 37" (LT)
D = 23° 42' 26"
R = 177.75'
L = 177.75'
T = 35.40'
E = 0.65'

PGL LEFT NORTH
CURVE DATA M1-N1-LT
P.C. STA. = 114+23.96
P.T. STA. = 114+23.96
Δ = 8° 23' 37" (LT)
D = 23° 42' 26"
R = 177.75'
L = 177.75'
T = 35.40'
E = 0.65'

TRANS SYSTEMS
2900 PERSHING ROAD
IRVING, TX 75039-8901
PHONE 972-293-9800
FAX 972-293-9801

PROJECT: 171000000
SCALE: 1" = 20'
DATE: 11/14/03
DESIGNED BY: JAM
DRAWN BY: JAM
CHECKED BY: DMV
SHEET TITLE: WOODS CHAPEL ROAD STA. 10+75.00 TO STA. 16+00.00
SHEET NO. 13

BLUE SPRINGS, MISSOURI
MHTC JOB NO. 142289
CONSULTANTS:

FOR ADDITIONAL RIGHTS OF WAY FOR ELEMENT INFORMATION SEE SHEETS 56-59

IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING

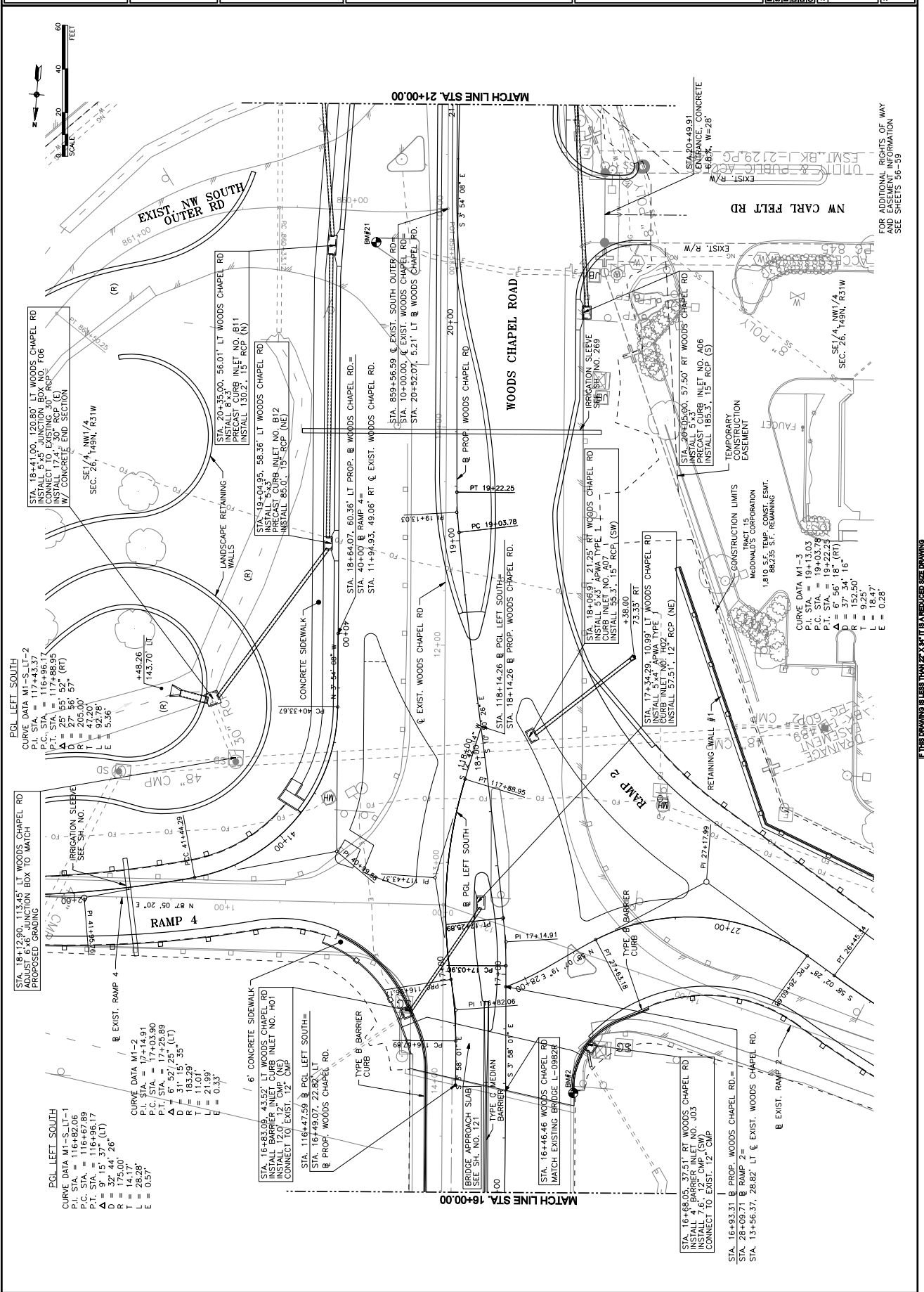


3400 PERSHING ROAD
 SUITE 400
 KANSAS CITY, MO 64108
 PHONE: 816-223-9801
 FAX: 816-223-9801

CONSULTANTS:
 BLUE SPRINGS, MISSOURI
 MHTC JOB NO. M42289

MARK	DATE	DESCRIPTION

PROJECT NO. P107000382
 SCALE: 1" = 20'
 DESIGNED BY: JAM
 DRAWN BY: JAM
 CHECKED BY: DMV
 SHEET TITLE:
WOODS CHAPEL ROAD
STA. 16+00.00 TO
STA. 21+00.00
 SHEET NO. 15



PCL LEFT SOUTH
 CURVE DATA M1-3
 P.I. STA. = 177+43.37
 P.C. STA. = 177+48.95
 P.T. STA. = 177+55.52 (RT)
 $\Delta = 25^\circ 55' 52"$ (RT)
 $D = 27^\circ 56' 57"$
 $R = 205.00'$
 $L = 93.28'$
 $E = 5.36'$

PCL LEFT SOUTH
 CURVE DATA M1-1
 P.I. STA. = 116+82.06
 P.C. STA. = 116+67.89
 P.T. STA. = 116+96.17
 $\Delta = 9^\circ 5' 37"$ (LT)
 $R = 175.00'$
 $L = 14.17'$
 $E = 0.57'$

PCL LEFT SOUTH
 CURVE DATA M1-2
 P.I. STA. = 174+14.91
 P.C. STA. = 174+03.90
 P.T. STA. = 174+25.89
 $\Delta = 6^\circ 52' 25"$ (LT)
 $R = 383.59'$
 $L = 11.01'$
 $E = 21.99'$
 $E = 0.33'$

STA. 16+83.09, 43.52 LT WOODS CHAPEL RD
 INSTALL BARRIER INLET CURB INLET NO. H01
 CONNECT TO EXIST. 12" CMP

STA. 116+47.59 & PCL LEFT SOUTH=
 STA. 16+48.07, 22.82 LT
 PROP. WOODS CHAPEL RD.

STA. 16+68.05, 37.51 RT WOODS CHAPEL RD
 INSTALL 4" BARRIER INLET NO. J03
 CONNECT TO EXIST. 12" CMP

STA. 16+93.31 & PROP. WOODS CHAPEL RD.=
 STA. 28+09.71 & RAMP 2=
 STA. 13+56.37, 28.62 LT & EXIST. WOODS CHAPEL RD.

CURVE DATA M1-3
 P.I. STA. = 191+03.30
 P.C. STA. = 191+03.78
 P.T. STA. = 191+22.23
 $\Delta = 6^\circ 56' 18"$ (RT)
 $D = 37^\circ 34' 16"$
 $R = 925.50'$
 $L = 18.47'$
 $E = 0.28'$

FOR ADDITIONAL RIGHTS OF WAY
 AND EASEMENT INFORMATION
 SEE SHEETS 36-39

IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING



3400 PERSHING ROAD
 SUITE 400
 KANSAS CITY, MO 64108
 PHONE: 816-229-8900
 FAX: 816-229-8901

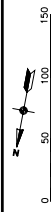
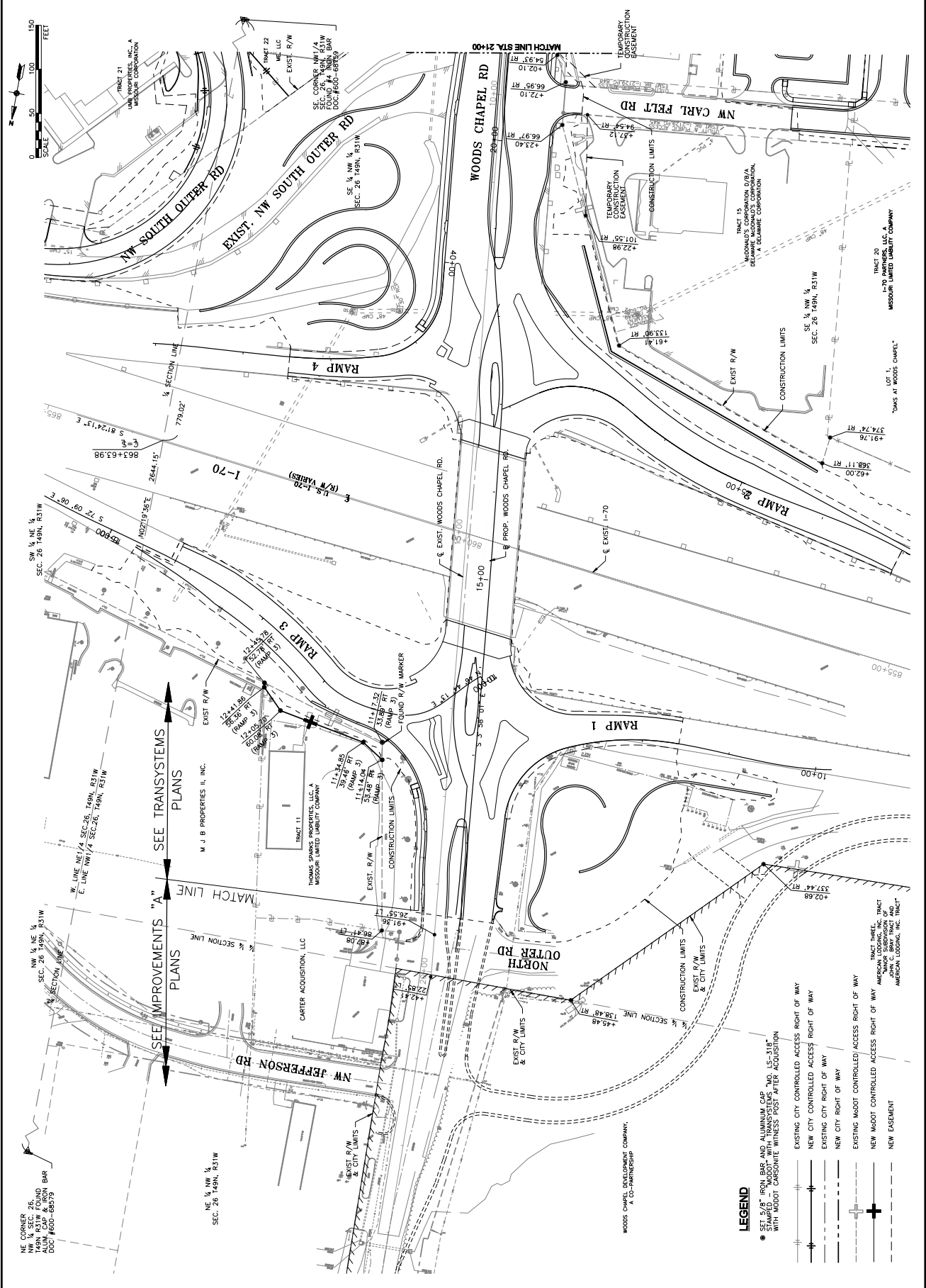
CONSULTANTS:

WOODS CHAPEL ROAD
 BLUE SPRINGS, MISSOURI
 MHTC JOB NO. J412289

REVISIONS:	DATE	DESCRIPTION

PROJECT: P107000033
 SCALE: 1" = 20'
 DESIGNED BY: DAD
 DRAWN BY: DAD
 CHECKED BY: DMV
 SHEET TITLE:
**STATION AND
 OFFSETS**

SHEET NO. 56



SEE IMPROVEMENTS "A"
 PLANS

SEE TRANSYSTEMS "A"
 PLANS

- LEGEND**
- SET 5/8" IRON BAR AND ALUMINUM CAP "MO 15-318" WITH MODOT CARSONITE WITNESS POST AFTER ACQUISITION
 - EXISTING CITY CONTROLLED ACCESS RIGHT OF WAY
 - NEW CITY CONTROLLED ACCESS RIGHT OF WAY
 - EXISTING CITY RIGHT OF WAY
 - NEW CITY RIGHT OF WAY
 - EXISTING MODOT CONTROLLED ACCESS RIGHT OF WAY
 - NEW MODOT CONTROLLED ACCESS RIGHT OF WAY
 - NEW EASEMENT

IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING



2400 PERSHING ROAD
 SUITE 400
 KANSAS CITY, MO 64108
 PHONE 816-329-8800
 FAX 816-329-8801

CONSULTANTS:

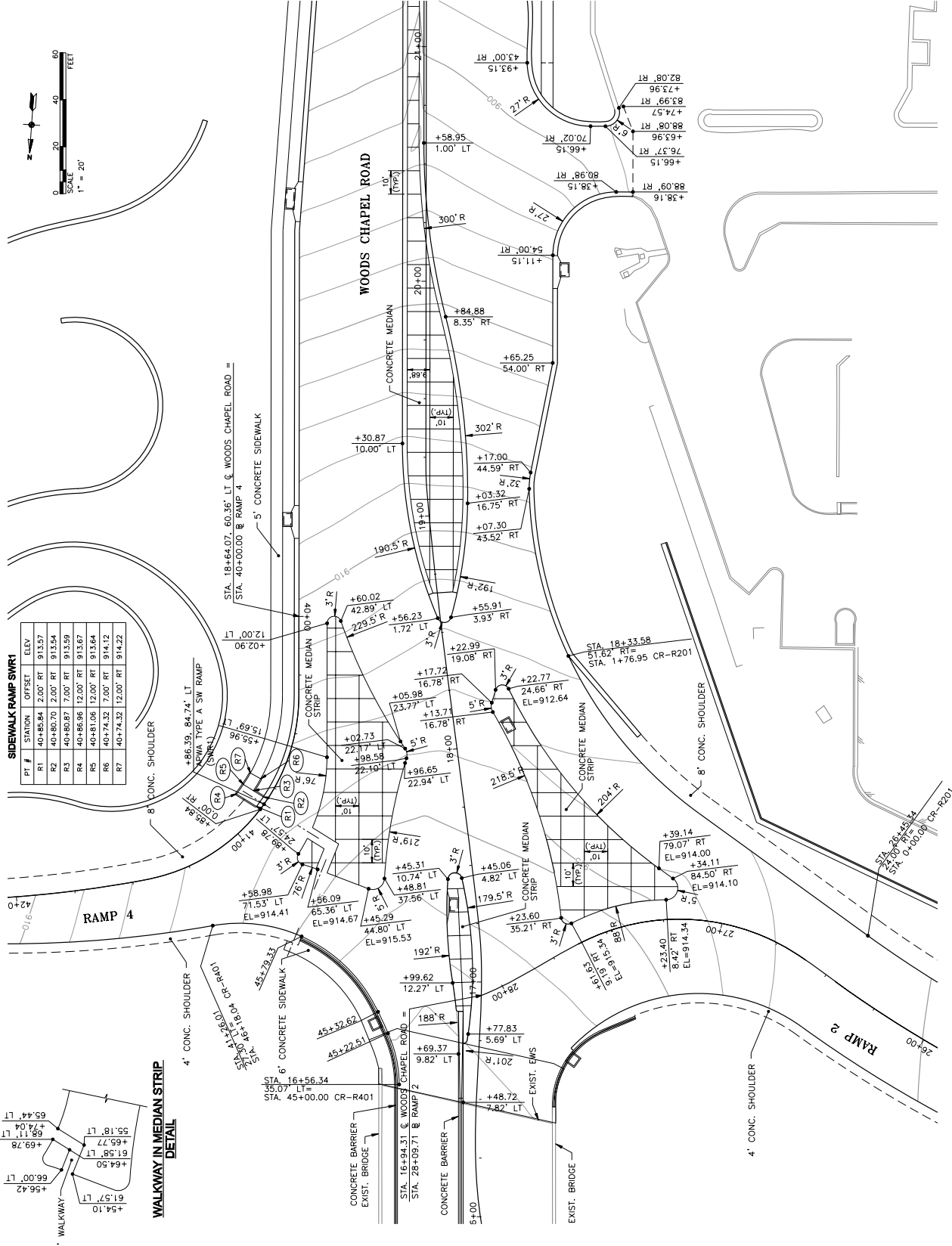
WOODS CHAPEL ROAD
 BLUE SPRINGS, MISSOURI
 MHTC JOB NO. M42289

MARK	DATE	DESCRIPTION

REVISIONS:

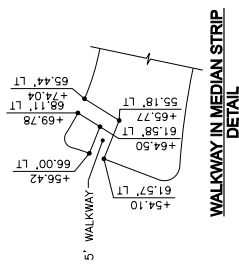
PROJECT NO: P10708282
 SCALE: 1"=20'
 DESIGNED BY: DAD
 DRAWN BY: DAD
 CHECKED BY: DMV
 SHEET TITLE:

**INTERSECTION
 DETAIL
 RAMP 2
 RAMP 4**
 SHEET NO. 61



SIDEWALK RAMP SW1

PI #	STATION	OFFSET	ELEV.
R1	40+85.84	2.00' RT	913.57
R2	40+80.70	2.00' RT	913.54
R3	40+80.87	7.00' RT	913.59
R4	40+86.96	12.00' RT	913.67
R5	40+81.06	12.00' RT	913.64
R6	40+74.32	7.00' RT	914.12
R7	40+74.32	12.00' RT	914.22



IF THIS DRAWING IS LESS THAN 22 X 34 FT A REDUCED SIZE DRAWING



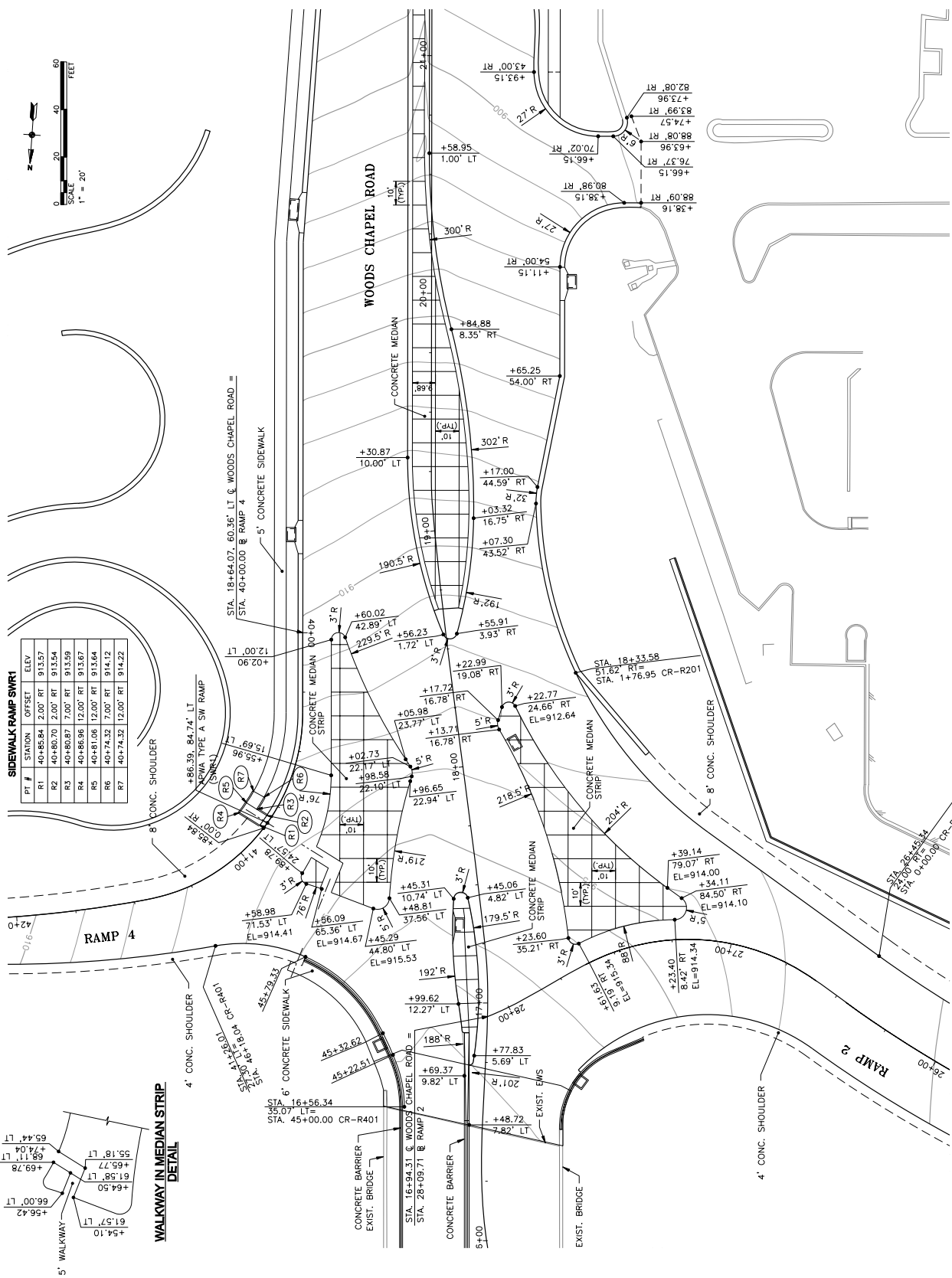
3400 PERSHING ROAD
 SUITE 400
 KANSAS CITY, MO 64108
 PHONE 816-239-8900
 FAX 816-239-9801

CONSULTANTS:

WOODS CHAPEL ROAD
 BLUE SPRINGS, MISSOURI
 MHTC JOB NO. M42289

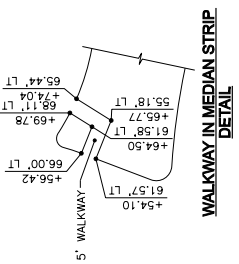
MARK	DATE	DESCRIPTION

PROJECT NO. F107008382
 SCALE: 1"=20'
 DESIGNED BY: DAD
 DRAWN BY: DAD
 CHECKED BY: DMV
 SHEET TITLE:
**INTERSECTION
 DETAIL
 RAMP 2
 RAMP 4**
 SHEET NO. 61



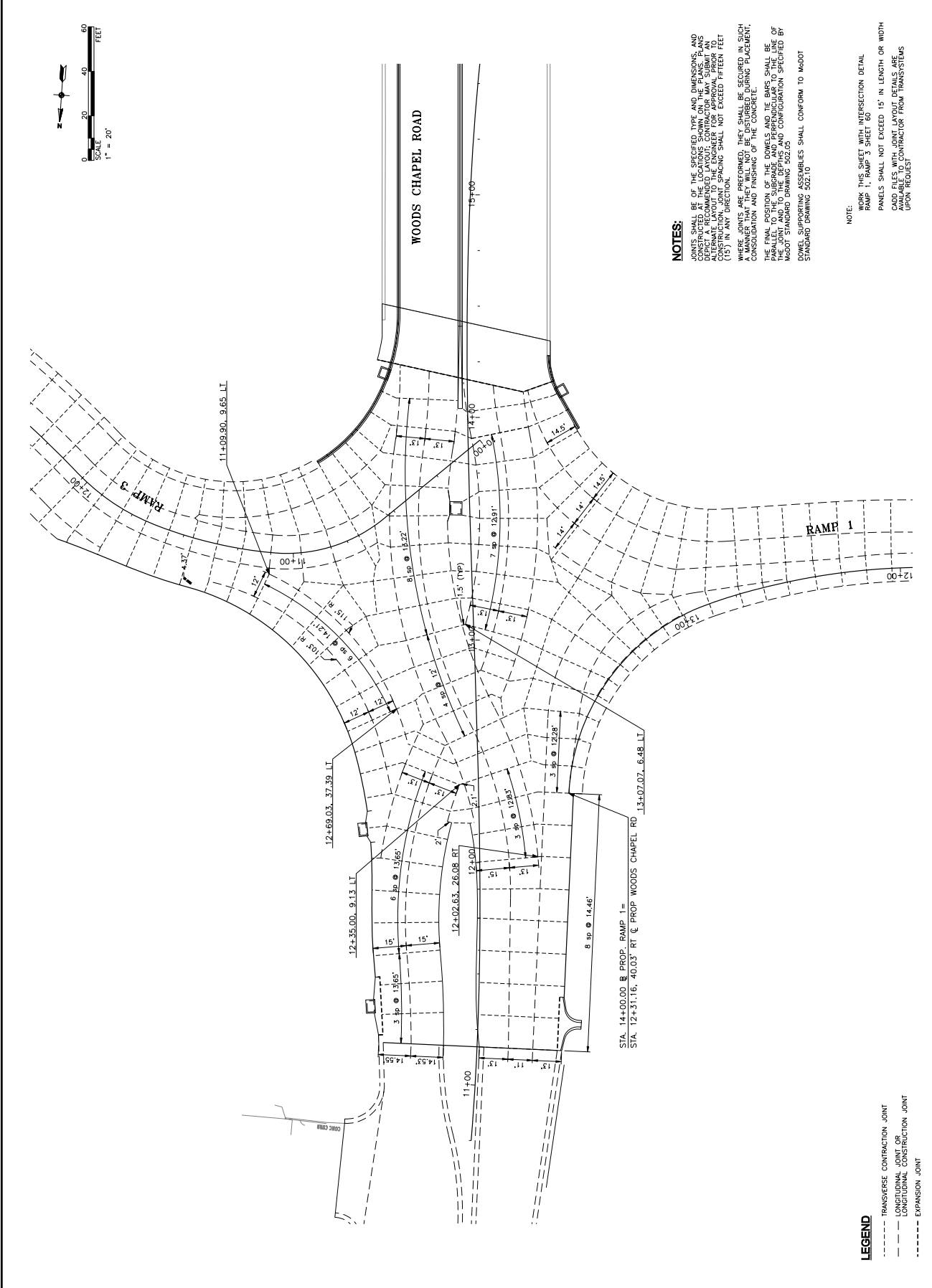
SIDEWALK RAMP SWR1

PI #	STATION	OFFSET	ELEV
R1	40+85.84	2.00' RT	913.57
R2	40+80.70	2.00' RT	913.54
R3	40+80.87	7.00' RT	913.59
R4	40+86.96	12.00' RT	913.67
R5	40+81.06	12.00' RT	913.64
R6	40+74.32	7.00' RT	914.12
R7	40+74.32	12.00' RT	914.22



IF THIS DRAWING IS LESS THAN 22 X 34 IT IS A REDUCED SIZE DRAWING

MARK	DATE	DESCRIPTION



NOTES:
 JOINTS SHALL BE OF THE SPECIFIED TYPE AND DIMENSIONS, AND SHALL BE CONFORM TO THE STANDARD DRAWING 502.10. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL JOINTS AND REPORT ANY DISCREPANCIES TO THE ENGINEER FOR APPROVAL PRIOR TO ANY ALTERATION. JOINTS SHALL NOT EXCEED FIFTEEN FEET (15') IN ANY DIRECTION.
 WHERE JOINTS ARE PREFORMED, THEY SHALL BE SECURED IN SUCH A MANNER AS TO PREVENT THE CONCRETE FROM MOVING DURING PLACEMENT, CONSOLIDATION AND FINISHING OF THE CONCRETE.
 THE FINAL POSITION OF THE DOMES AND TIE BARS SHALL BE PARALLEL TO THE SUBGRADE AND PERPENDICULAR TO THE LINE OF ROAD. THE POSITION OF THE DOMES AND TIE BARS SHALL BE AS SHOWN ON STANDARD DRAWING 502.10.
 DOWEL SUPPORTING ASSEMBLIES SHALL CONFORM TO MODOT STANDARD DRAWING 502.10

NOTE:
 REFER TO THIS SHEET WITH INTERSECTION DETAIL SHEET 72 FOR RAMP 1, RAMP 2, RAMP 3 SHEET 60
 PANELS SHALL NOT EXCEED 15' IN LENGTH OR WIDTH
 CAD FILES WITH JOINT LAYOUT DETAILS ARE AVAILABLE TO CONTRACTOR FROM TRANSYSTEMS UPON REQUEST

LEGEND
 - - - - - TRANSVERSE CONTRACTION JOINT
 - - - - - LONGITUDINAL JOINT OR CONSTRUCTION JOINT
 - - - - - EXPANSION JOINT

IF THIS DRAWING IS LESS THAN 27 X 37 IN. A REDUCED SIZE DRAWING



2400 PERSHING ROAD
 SUITE 400
 KANSAS CITY, MO 64108
 PHONE 816-228-8900
 FAX 816-228-8901

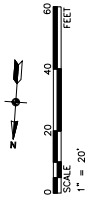
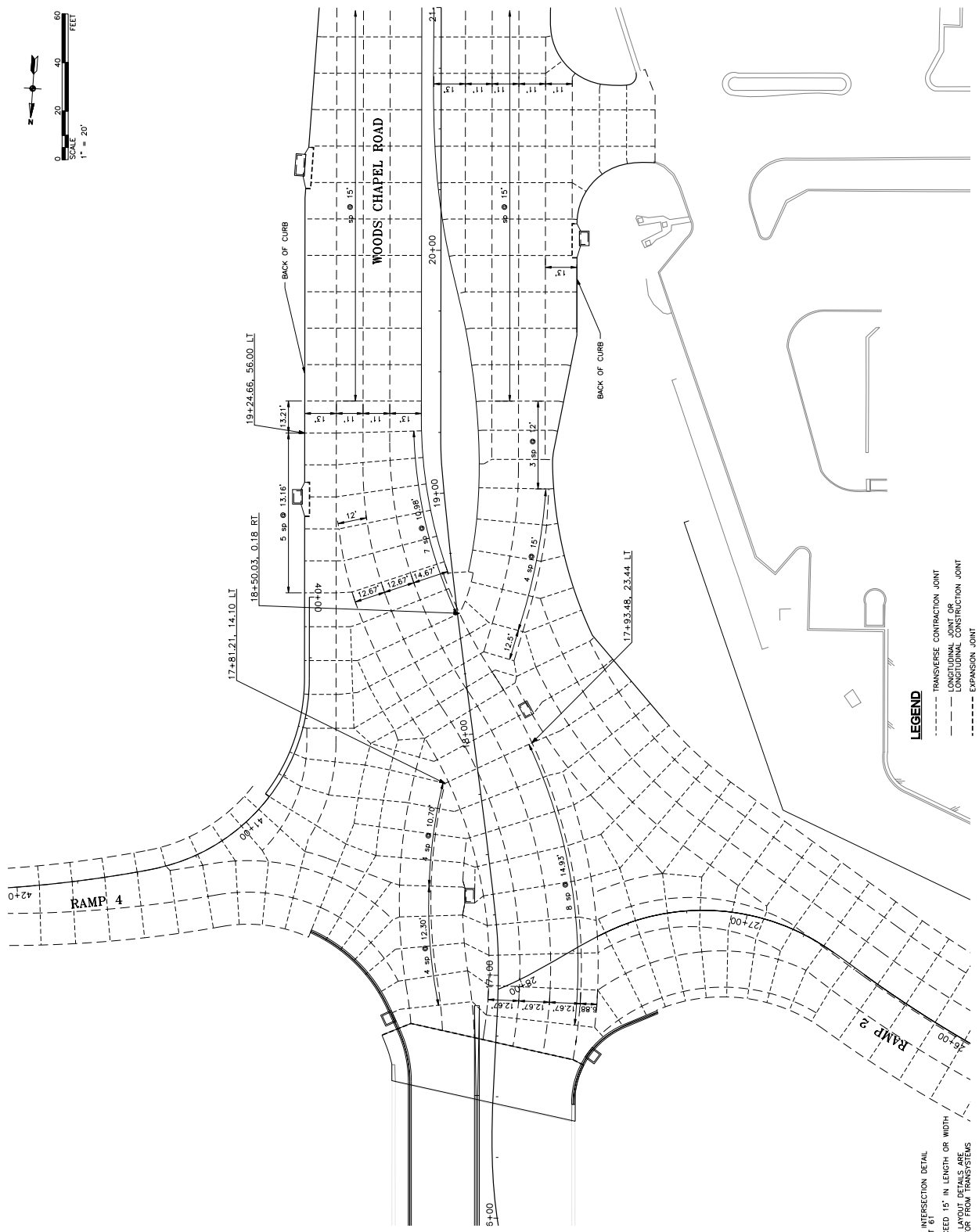
CONSULTANTS:

WOODS CHAPEL ROAD
 BLUE SPRINGS, MISSOURI
 MHTC JOB NO. J412289

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT NO: P107000532
 SCALE: 1"=20'
 DESIGNED BY: GWN
 DRAWN BY: KAM
 CHECKED BY: DMV
SHEET TITLE:
JOINT LAYOUT
WOODS CHAPEL
ROAD
 SHEET NO.



LEGEND
 - - - TRANSVERSE CONTRACTION JOINT
 - - - LONGITUDINAL JOINT OR CONSTRUCTION JOINT
 - - - EXPANSION JOINT

NOTE:
 WORK THIS SHEET WITH INTERSECTION DETAIL
 RAMP 2, RAMP 4 SHEET 61
 PANELS SHALL NOT EXCEED 15' IN LENGTH OR WIDTH
 CADD FILES WITH JOINT LAYOUT DETAILS ARE
 AVAILABLE TO CONTRACTOR FROM TRANSYSTEMS
 UPON REQUEST

IF THIS DRAWING IS LESS THAN 27" X 37" IT IS A REDUCED SIZE DRAWING



3400 PERSHING ROAD
 SUITE 400
 KANSAS CITY, MO 64108
 PH: 816-233-8900
 FAX: 816-233-8901

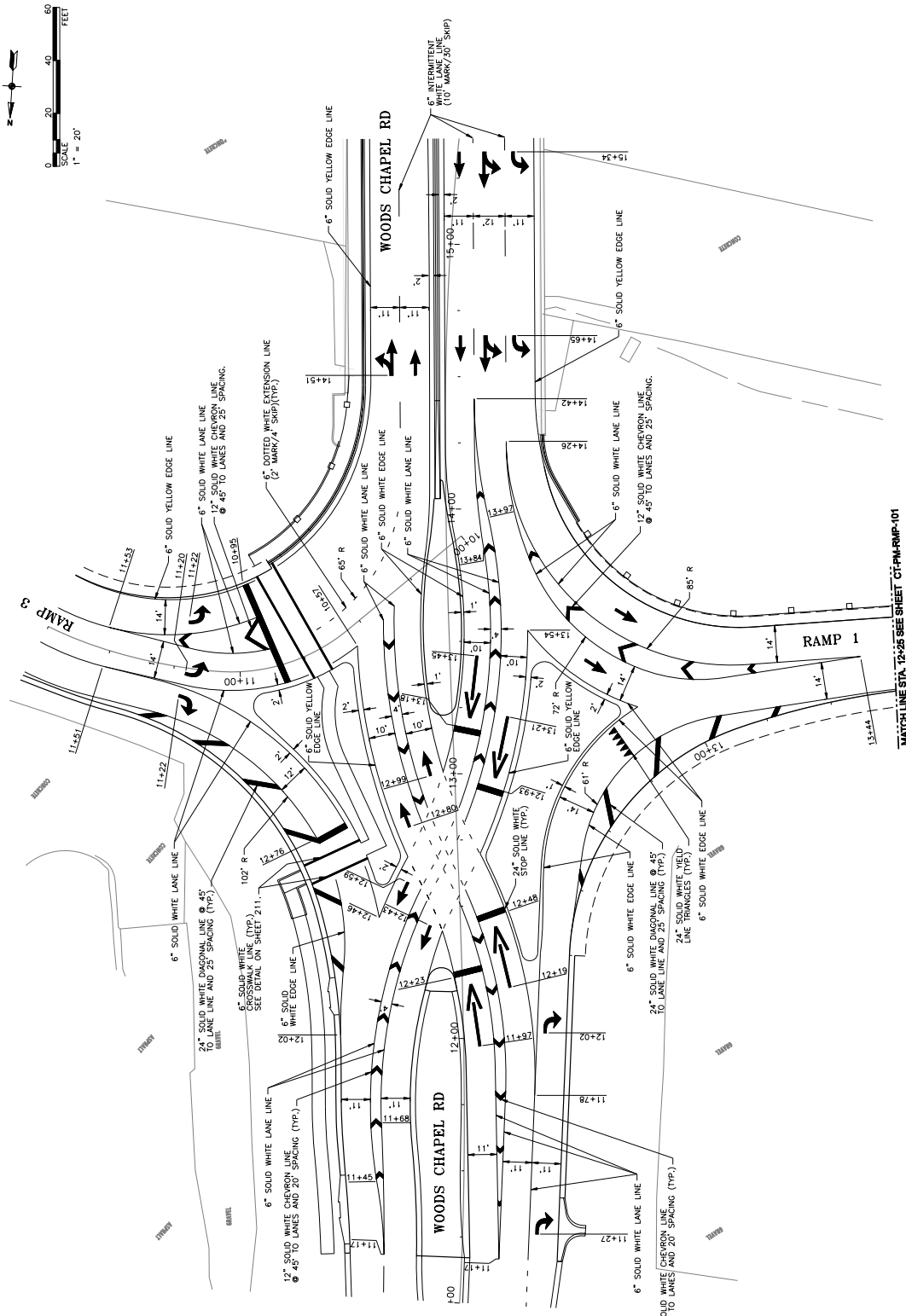
CONSULTANTS:

WOODS CHAPEL ROAD
 BLUE SPRINGS, MISSOURI
 MHTC JOB NO. M12289

REVISIONS:	DATE	DESCRIPTION

PROJECT NO. P1070000332
 SCALE: 1" = 20'
 DESIGNED BY: JOT
 DRAWN BY: JCG
 CHECKED BY: DMV
 SHEET TITLE:

WOODS CHAPEL ROAD
 PAVEMENT MARKING PLAN
 SHEET NO. 212



IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING



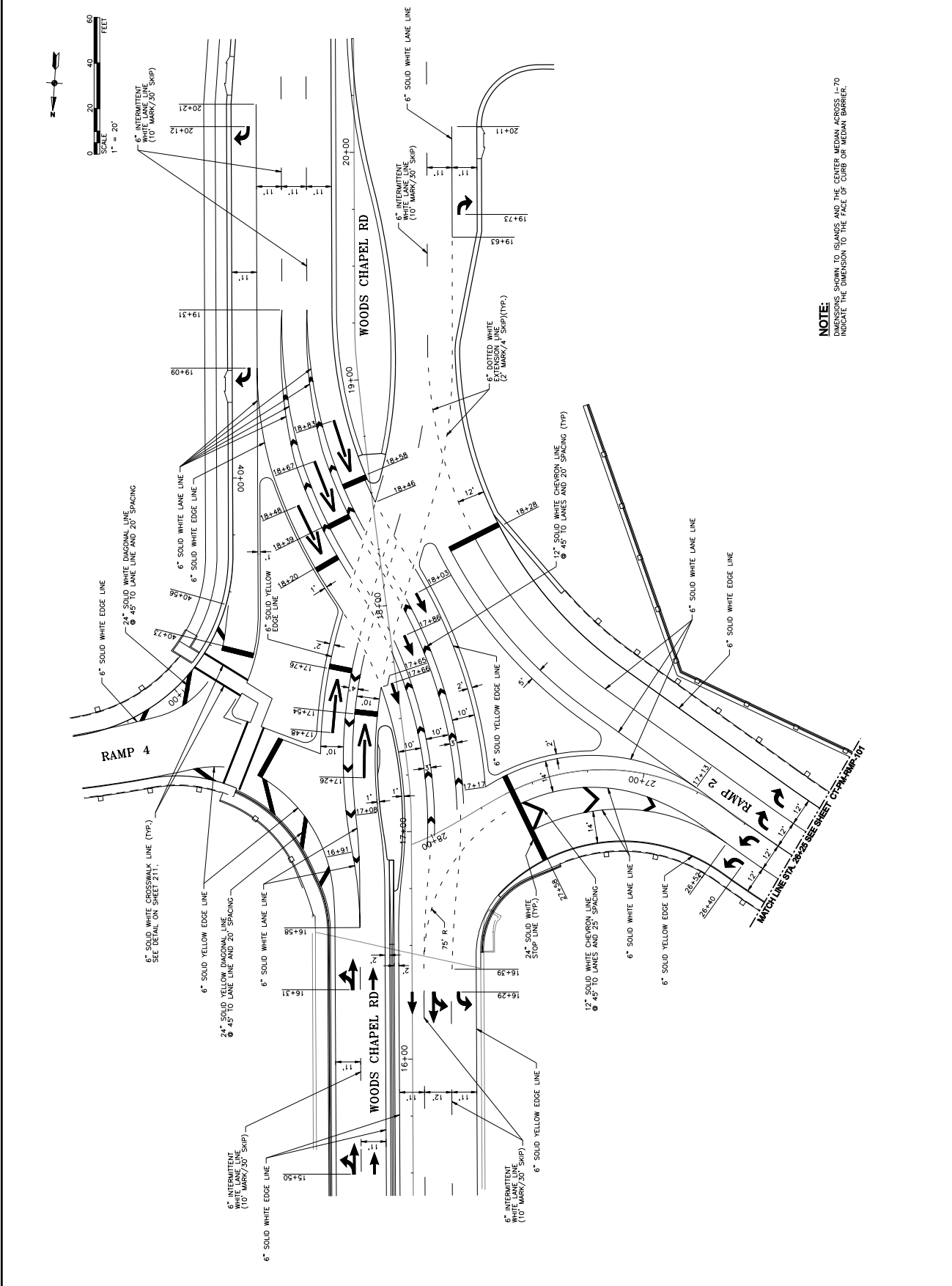
3400 PERSHING ROAD
 SUITE 400
 KANSAS CITY, MO 64108
 PHONE: 816-239-8900
 FAX: 816-239-8901

CONSULTANTS:

WOODS CHAPEL ROAD
 BLUE SPRINGS, MISSOURI
 MHTC JOB NO. M12289

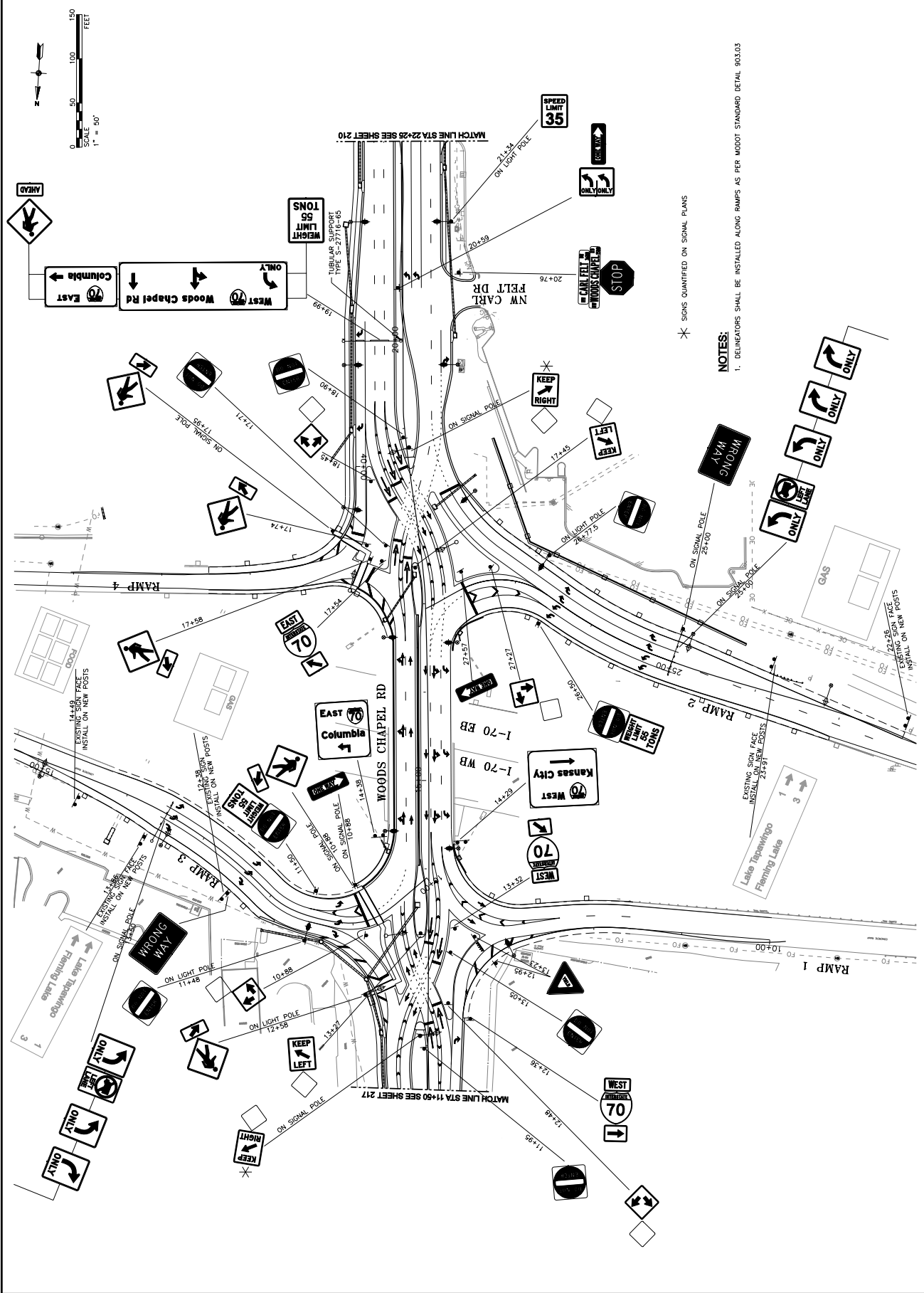
REVISIONS:	DATE	DESCRIPTION

PROJECT NO. P1070000332
 SCALE: 1" = 20'
 DESIGNED BY: JOT
 DRAWN BY: JSG
 CHECKED BY: DMW
 SHEET TITLE:
**WOODS CHAPEL ROAD
 PAVEMENT MARKING PLAN**
 SHEET NO. 213



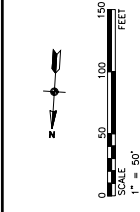
IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING

REVISIONS:	DATE	DESCRIPTION



NOTES:
1. DELINEATORS SHALL BE INSTALLED ALONG RAMP AS PER MODOT STANDARD DETAIL 903.05

* SIGNS QUANTIFIED ON SIGNAL PLANS



IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING