

PROJECT ID: 6600-03-78

COUNTY: MARATHON

INDEX OF SHEETS

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Section No.	7	Sign Plates
Section No.	8	Structure Plans
Section No.	9	Computer Earthwork Data
Section No.	9	Cross Sections

TOTAL SHEETS = 178

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
PLAN OF PROPOSED IMPROVEMENT
MAIN STREET, VILLAGE OF ELDERON
MAPLE STREET - PARK STREET
STH 153
MARATHON COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
6600-03-78	WISC 2013285	1

STATE PROJECT NUMBER
6600-03-78



PROJECT LOCATION

43

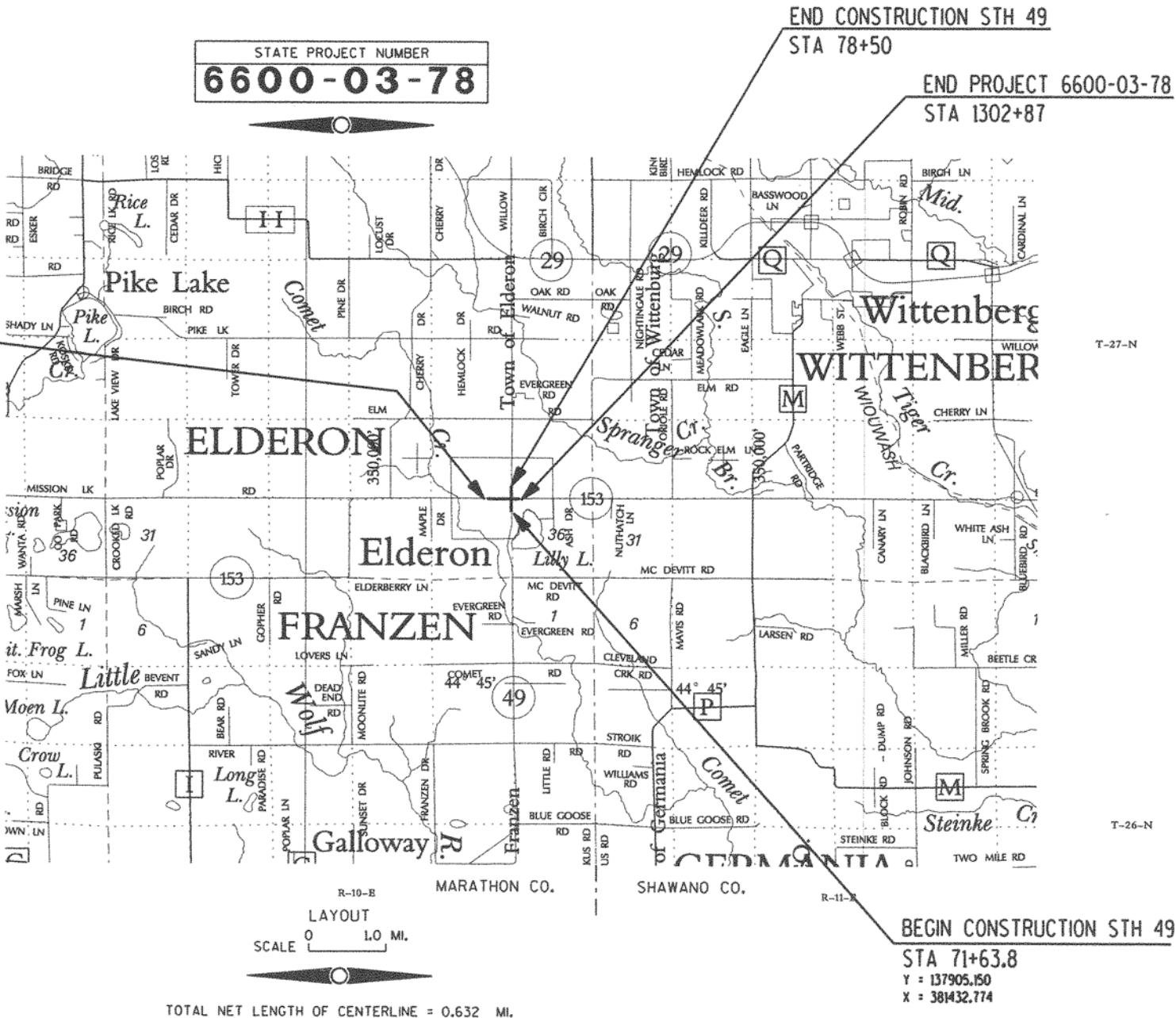
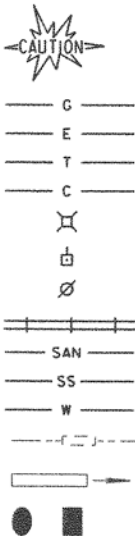
DESIGN DESIGNATION

A.D.T. (2013)	=	850
A.D.T. (2033)	=	1,080
D.H.V.	=	158
D.	=	62/38
T.	=	10%
DESIGN SPEED	=	30/40
ESALS	=	160,600

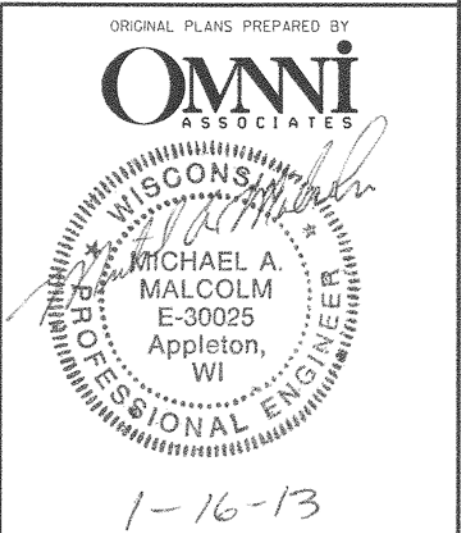
CONVENTIONAL SYMBOLS

COUNTY LINE	
CORPORATE LIMITS	
PROPERTY LINE	
LOT LINE	
LIMITED EASEMENT	
EXISTING RIGHT OF WAY	
PROPOSED OR NEW R/W LINE	
SURVEY LINE	
SLOPE INTERCEPT	
ORIGINAL GROUND	
MARSH OR ROCK PROFILE (To be noted as such)	
MARSH AREA	
WOODED OR SHRUB AREA	

COMBUSTIBLE FLUIDS	
UNDERGROUND UTILITIES	
GAS	
ELECTRIC	
TELEPHONE OR TELEGRAPH	
COMMUNICATIONS LINE	
SERVICE PEDESTAL	
POWER POLE	
TELEPHONE POLE	
RAILROAD	
SANITARY SEWER	
STORM SEWER	
WATER	
EXISTING CULVERT	
PROPOSED CULVERT (Box or Pipe)	
CULVERT (Profile View)	



TOTAL NET LENGTH OF CENTERLINE = 0.632 MI.



STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY	OMNI ASSOCIATES, INC
Surveyor	OMNI ASSOCIATES, INC
Designer	CHERYL SIMON
District Examiner	SHANNON RILEY
District Supervisor	
Proj. Dev. Engineer	
C.O. Examiner	

APPROVED FOR DISTRICT OFFICE
DATE: 1/22/13

(Signature)

COORDINATES ON THIS PLAN ARE REFERENCED TO THE
WISCONSIN COUNTY COORDINATE SYSTEM (WCCS)
MARATHON COUNTY. PLAN ELEVATIONS ARE BASED ON
NAVD 88 DATUM.

GENERAL NOTES

WHEN THE QUANTITY OF THE ITEMS OF BASE AGGREGATE, SUBBASE OR HMA PAVEMENT IS MEASURED FOR PAYMENT BY THE TON OR CUBIC YARD, THE DEPTH OR THICKNESS OF THE LAYERS SHOWN ON THE PLAN IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

CONTRACTOR WILL BE RESPONSIBLE FOR RESHAPING AND SEEDING ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY HIS OPERATION OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS.

THE EXACT LOCATION OF PRIVATE ENTRANCES IS TO BE DETERMINED IN THE FIELD BY THE ENGINEER, EXCEPT FOR CONTROLLED LOCATIONS SHOWN ON THE PLAT. ALL DRIVEWAYS ARE TO BE REPLACED IN KIND.

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

THE CONTRACTOR IS TO WORK WITH UTMOST CARE AND PROTECT ALL SURVEY MARKERS. REMOVAL OF ANY SURVEY MARKER IS TO BE WITH THE APPROVAL OF THE ENGINEER. DETAILS OF CONSTRUCTION NOT SHOWN ON THE PLAN SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.

CURB AND GUTTER RADII AND ELEVATIONS ARE SHOWN TO THE FLANGELINE.

TOPSOIL SHALL BE PLACED ONE INCH BELOW THE FINISHED CURB AND GUTTER AND SIDEWALK.

RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP					
	A			B		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	0.08	0.16	0.22	0.12	0.20	0.27
	0.22	0.30	0.38	0.26	0.34	0.44
MEDIAN STRIP - TURF	0.19	0.20	0.24	0.19	0.22	0.26
	0.24	0.26	0.30	0.25	0.28	0.33
SIDE SLOPE - TURF			0.25			0.27
			0.32			0.34
PAVEMENT:						
ASPHALT				.70 - .95		
CONCRETE				.80 - .95		
BRICK				.70 - .80		
DRIVES, WALKS				.75 - .85		
ROOFS				.75 - .95		
GRAVEL ROADS, SHOULDERS				.40 - .60		

TOTAL PROJECT AREA = 9.36 ACRES

TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 7.04 ACRES

UTILITIES

ALLIANT ENERGY (ELECTRIC)
DAVID BERTRAM
708 NE 7TH ST.
MARION, WI 54950
TELEPHONE: (715) 754-4348
MOBILE: (715) 903-0173
EMAIL: davebertram@alliantenergy.com

WITTENBERG TELEPHONE COMPANY (TELEPHONE)
DAVE LUEBKE
1121 PERCH LAKE ROAD
EAGLE RIVER, WI 54521
MOBILE: (715) 891-6789

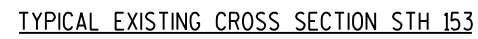
WITTENBERG CABLE TV, INC. (COMMUNICATIONS)
DAVE LUEBKE
1121 PERCH LAKE ROAD
EAGLE RIVER, WI 54521
MOBILE: (715) 891-6789

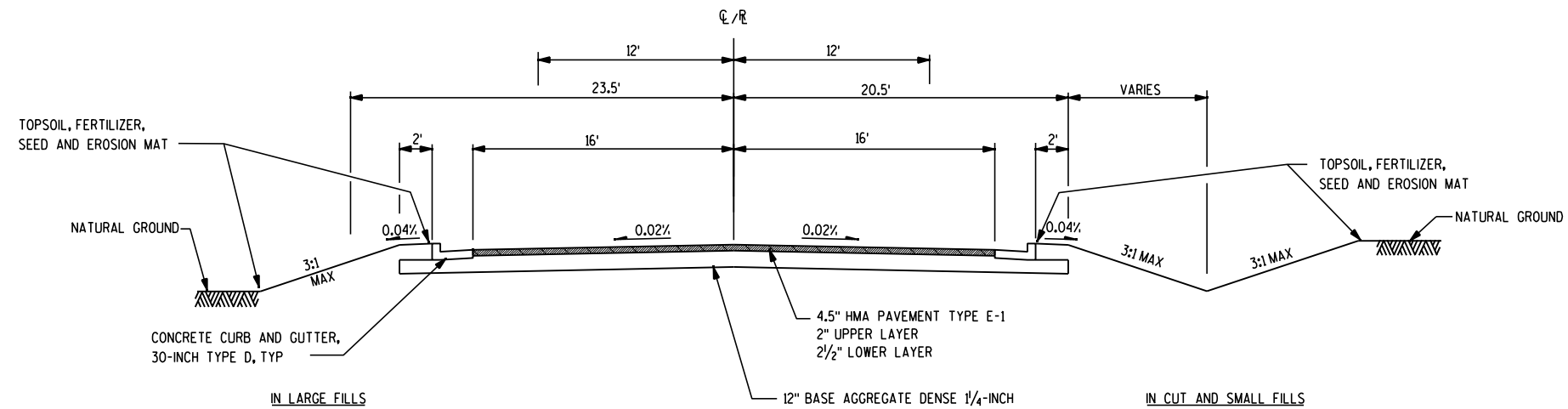
ORDER OF SECTION 2 SHEETS

GENERAL NOTES
TYPICAL SECTIONS
CONSTRUCTION DETAILS
EROSION CONTROL
STORM SEWER
SIGNING AND MARKING
TRAFFIC CONTROL
DETOUR ROUTES



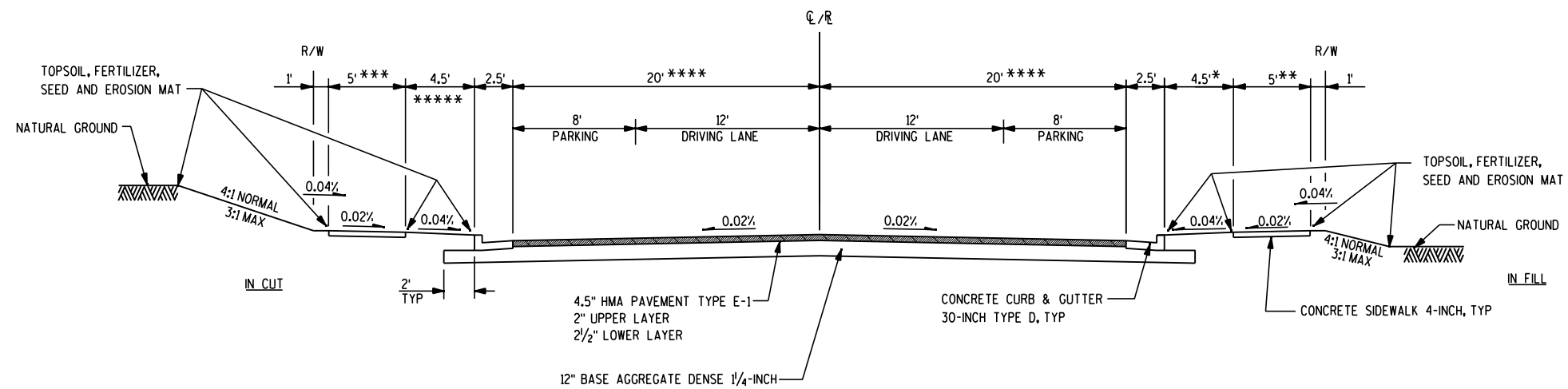
Call 811 3 Work Days Before You Dig
or Toll Free (800) 242-8511
Hearing Impaired TDD (800) 542-2289
www.DiggersHotline.com





TYPICAL FINISHED CROSS SECTION

STA 1271+70.00 - STA 1284+80

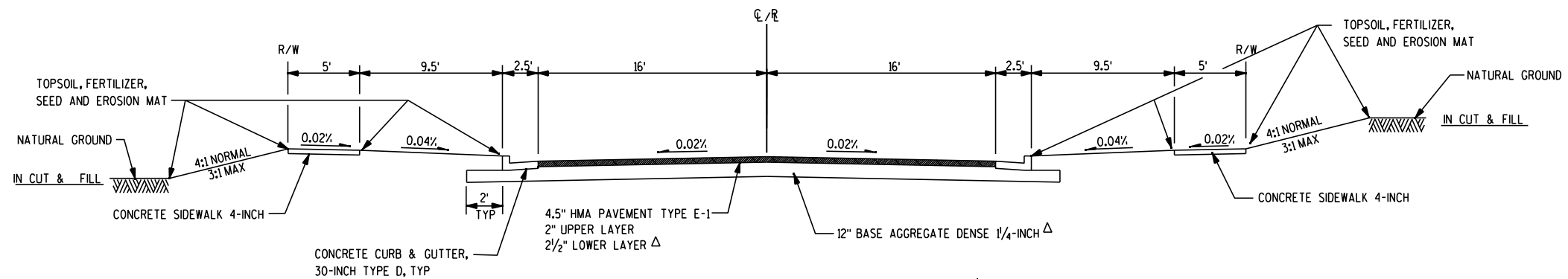


TYPICAL FINISHED CROSS SECTION

STA 1284+80 - STA 1290+38

NOTE:

- * VARIES 0'-3' STA 1288+77 TO STA 1290+20
- ** 6' STA 1289+64 TO STA 1290+20
- *** NO SIDEWALK STA 1284+00 TO STA 1286+28 LT
- ***** 16' STA 1284+00 - STA 1284+81
- ***** 4' STA 1287+94.8 - STA 1288+25 LT



TYPICAL FINISHED CROSS SECTION

STA 1290+38 - STA 1301+74.65

Δ STA 1300+25 TO 1301+74.65
 5.75" HMA PAVEMENT TYPE E-1
 2 1/2" UPPER LAYER
 3 1/4" LOWER LAYER
 15" BASE AGGREGATE DENSE 1 1/4-INCH

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HWY: STH 153

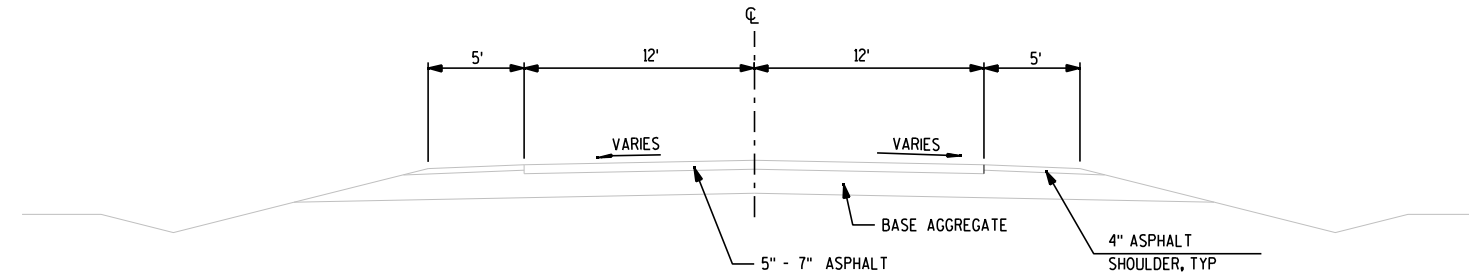
COUNTY: MARATHON

TYPICAL SECTIONS

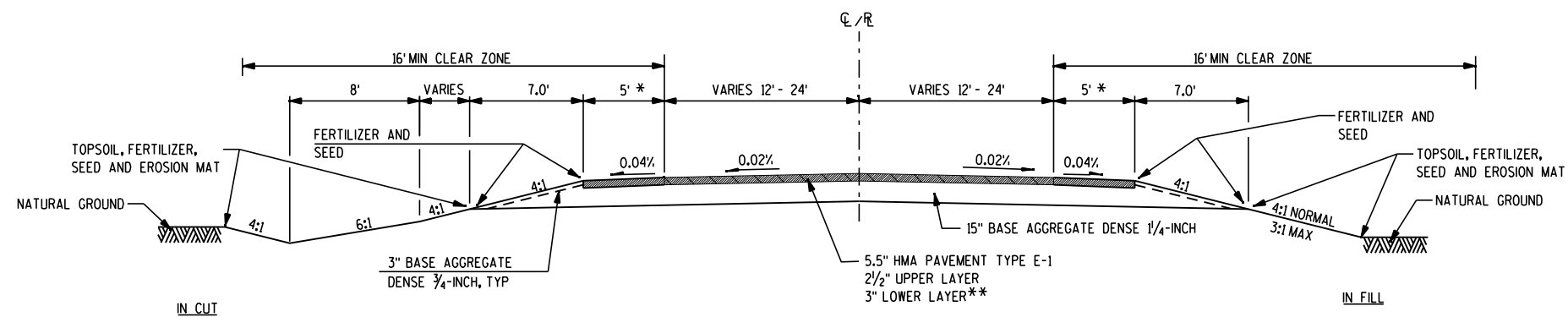
SCALE, FEET

SHEET NO: 4

E



EXISTING TYPICAL CROSS SECTION STH 49

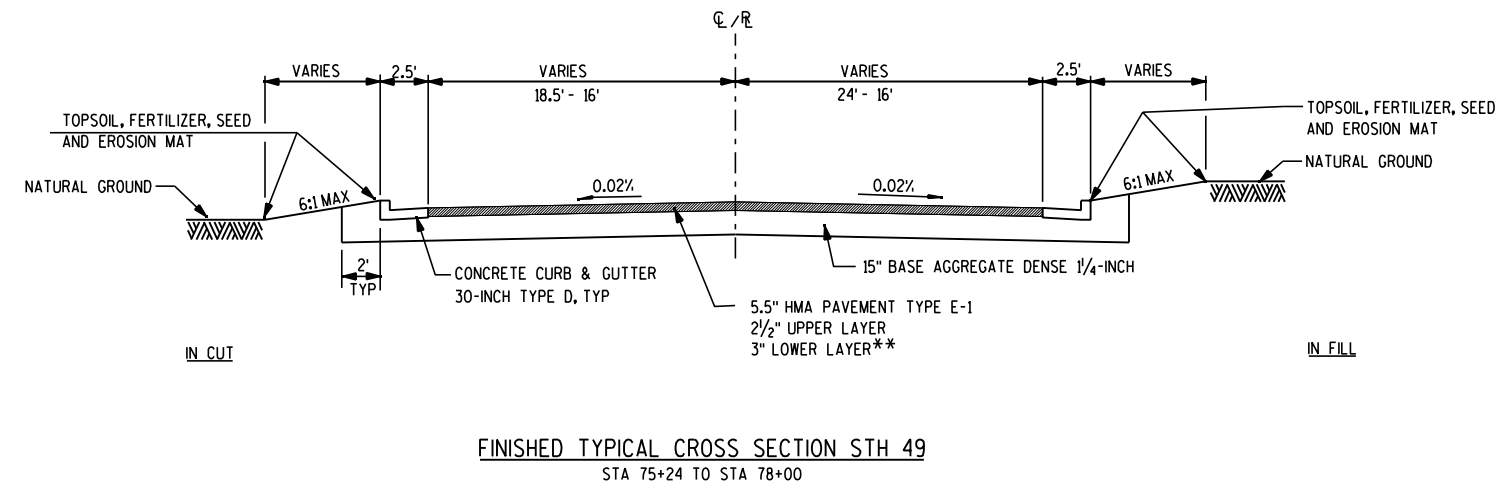
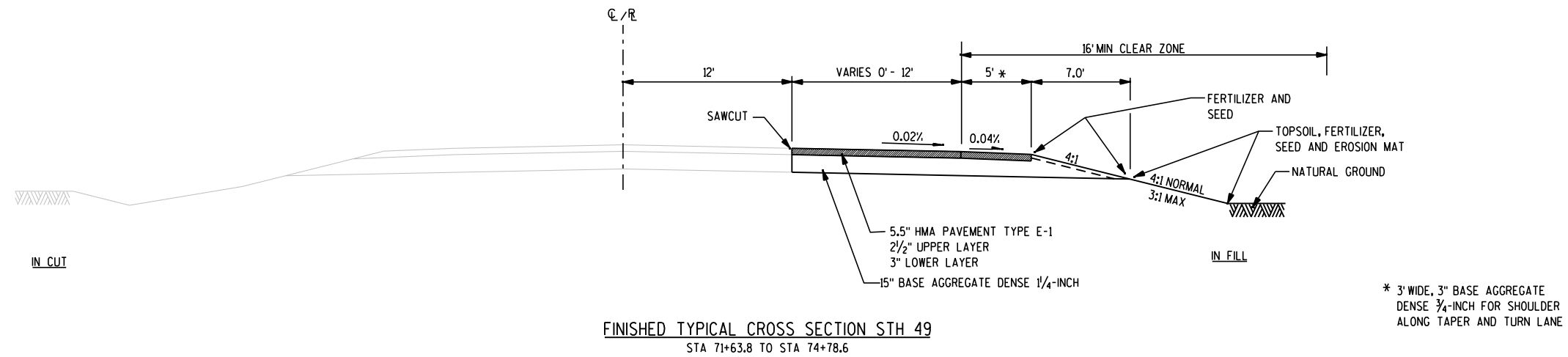


FINISHED TYPICAL CROSS SECTION STH 49

STA 74+78.6 TO STA 75+24
STA 78+00 TO STA 78+50

* 3' WIDE, 3" BASE AGGREGATE
DENSE 3/4-INCH FOR SHOULDER
ALONG TAPER AND TURN LANE

** STA 75+24 TO STA 76+62
5.75" HMA PAVEMENT TYPE E-1
2 1/2" UPPER LAYER
3/4" LOWER LAYER



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HWY: STH 153

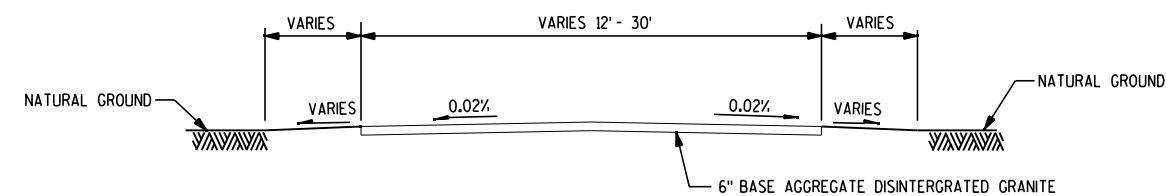
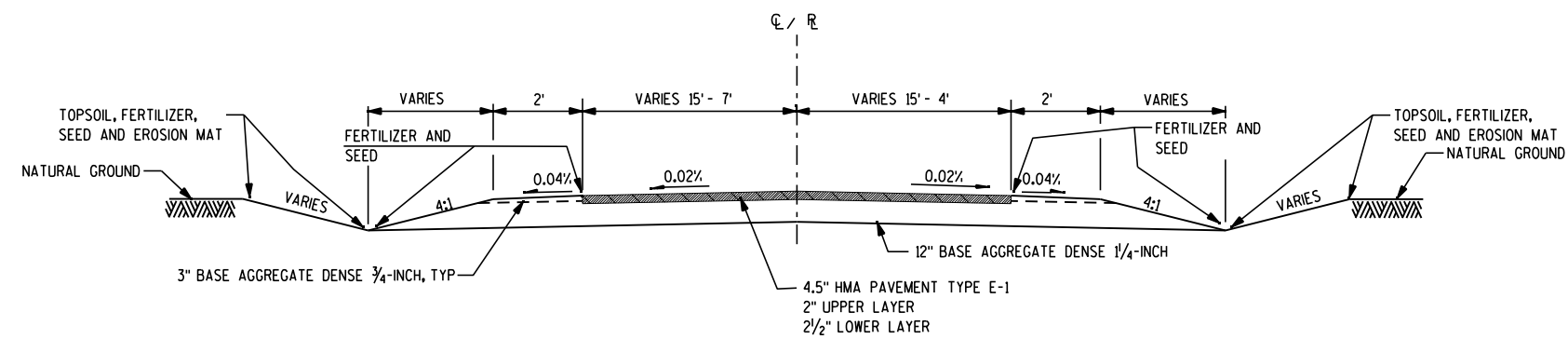
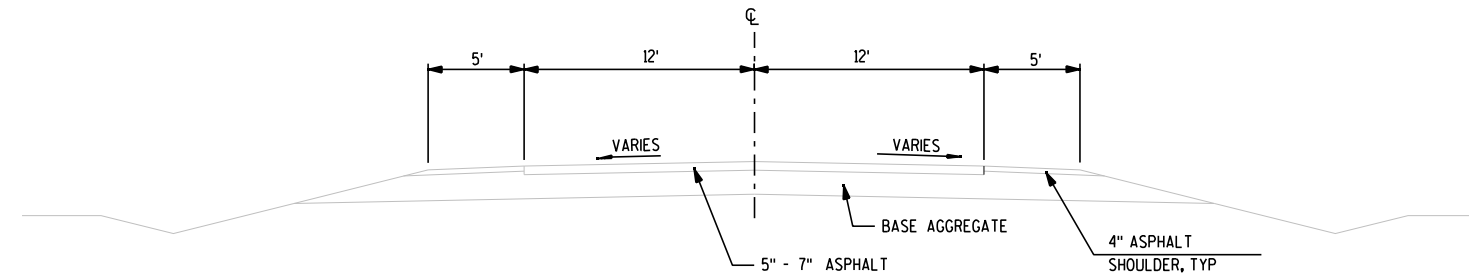
COUNTY: MARATHON

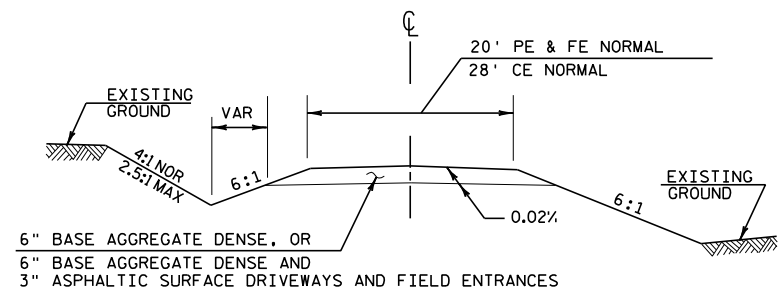
TYPICAL SECTIONS

SCALE, FEET $\frac{0}{1}$

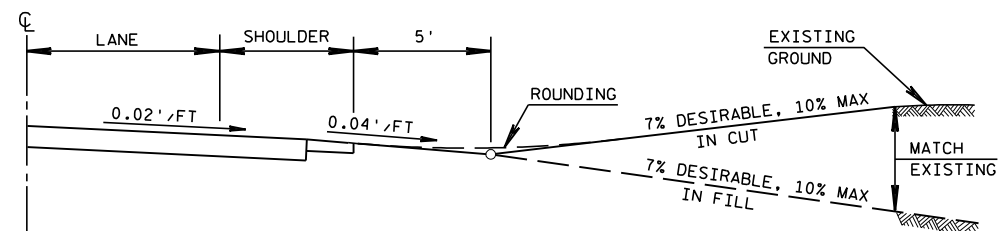
SHEET NO: 6

E

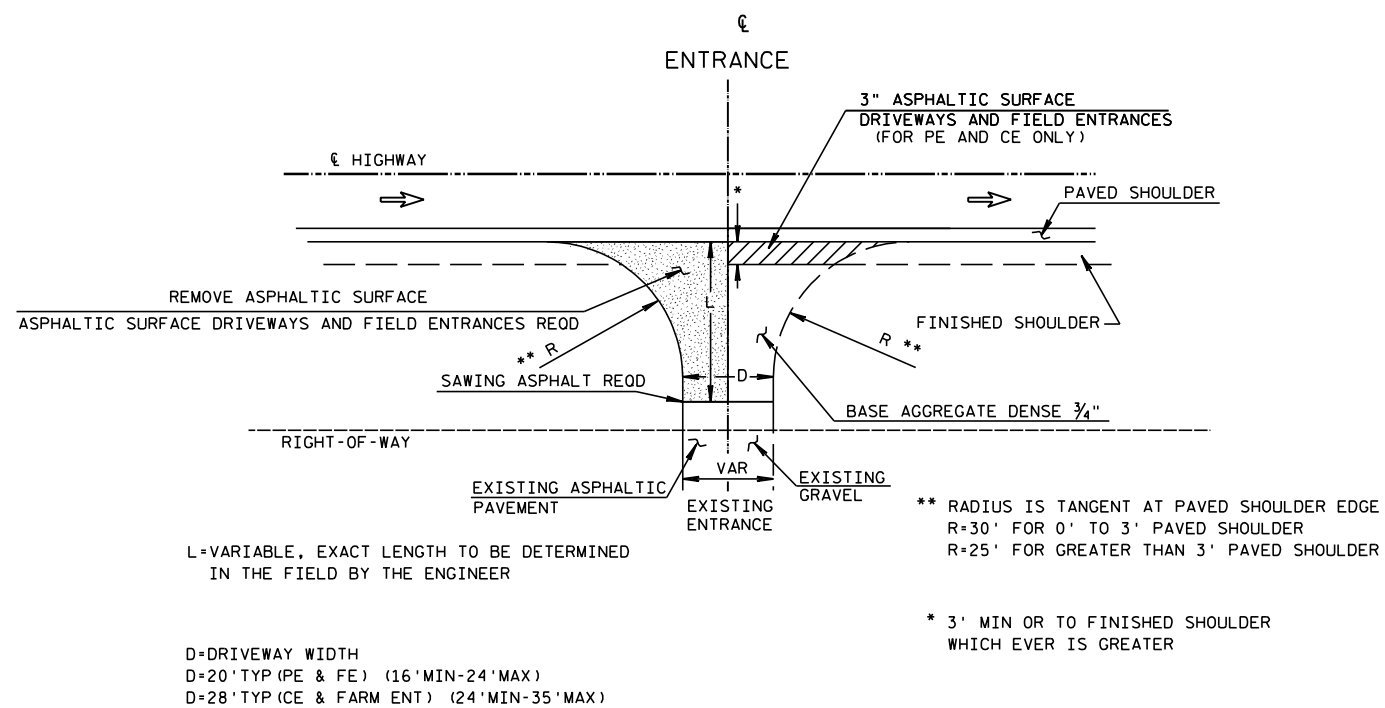




TYPICAL CROSS SECTION

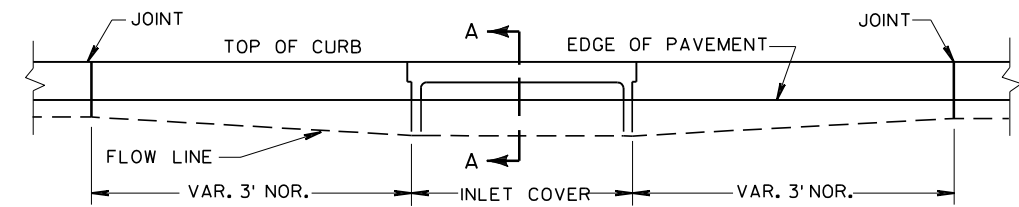


TYPICAL PROFILE VIEW

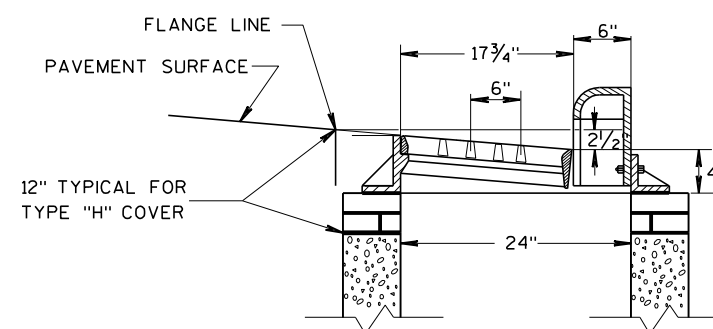
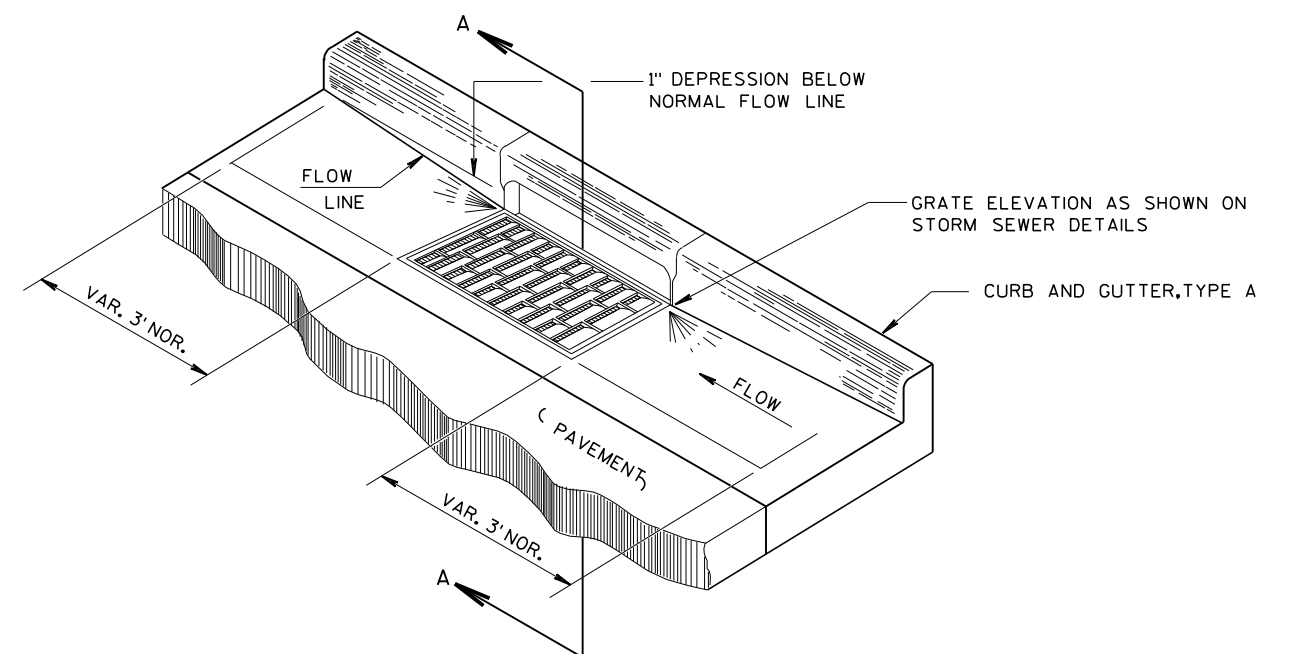


PLAN VIEW

RURAL DRIVEWAY INTERSECTION DETAIL (PE, FE & CE) (FOR NEW CONSTRUCTION)

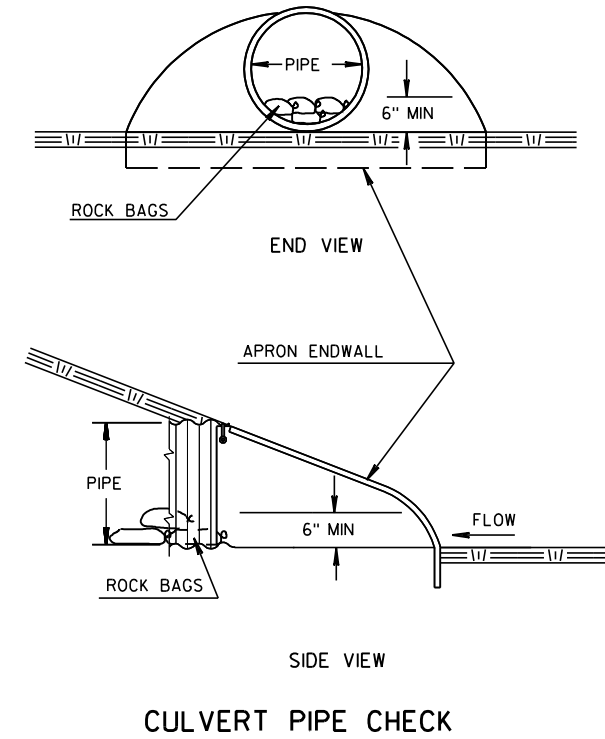
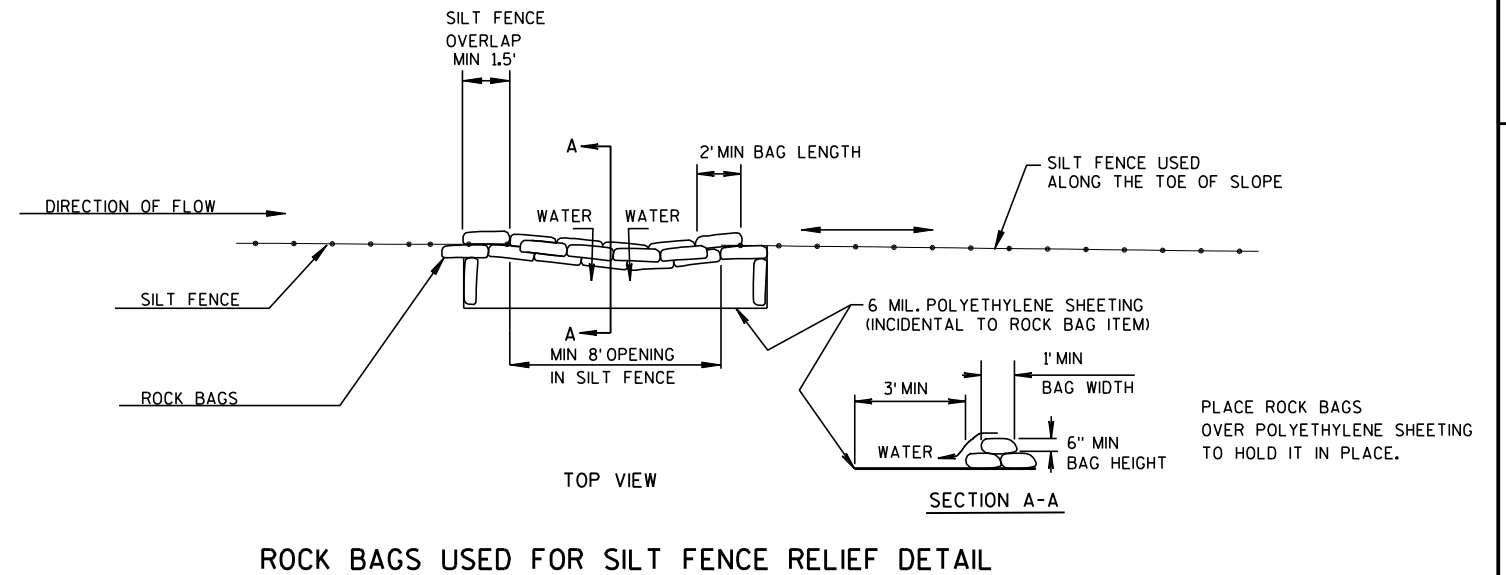
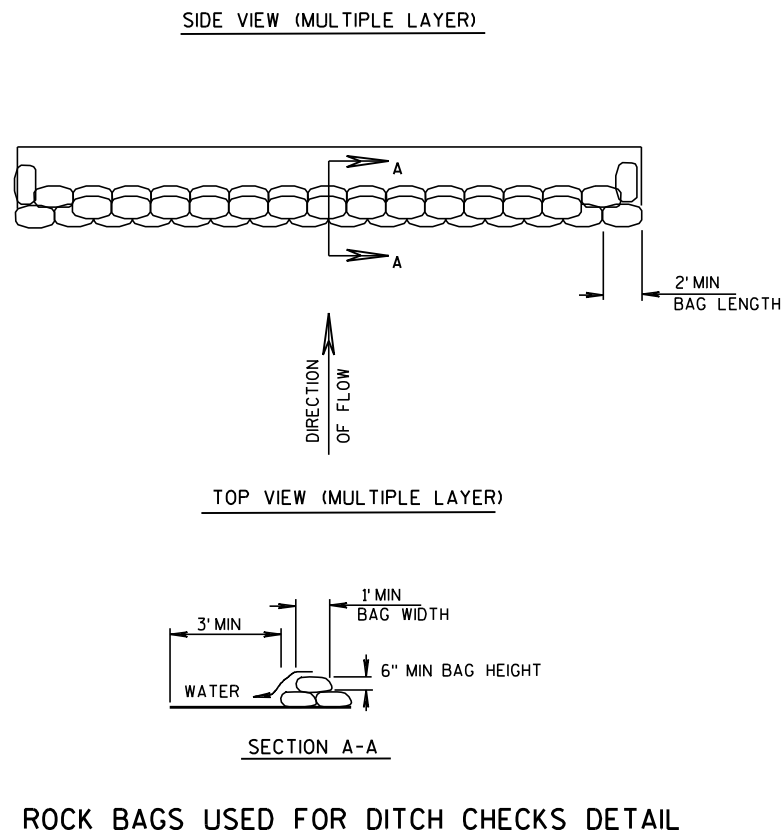
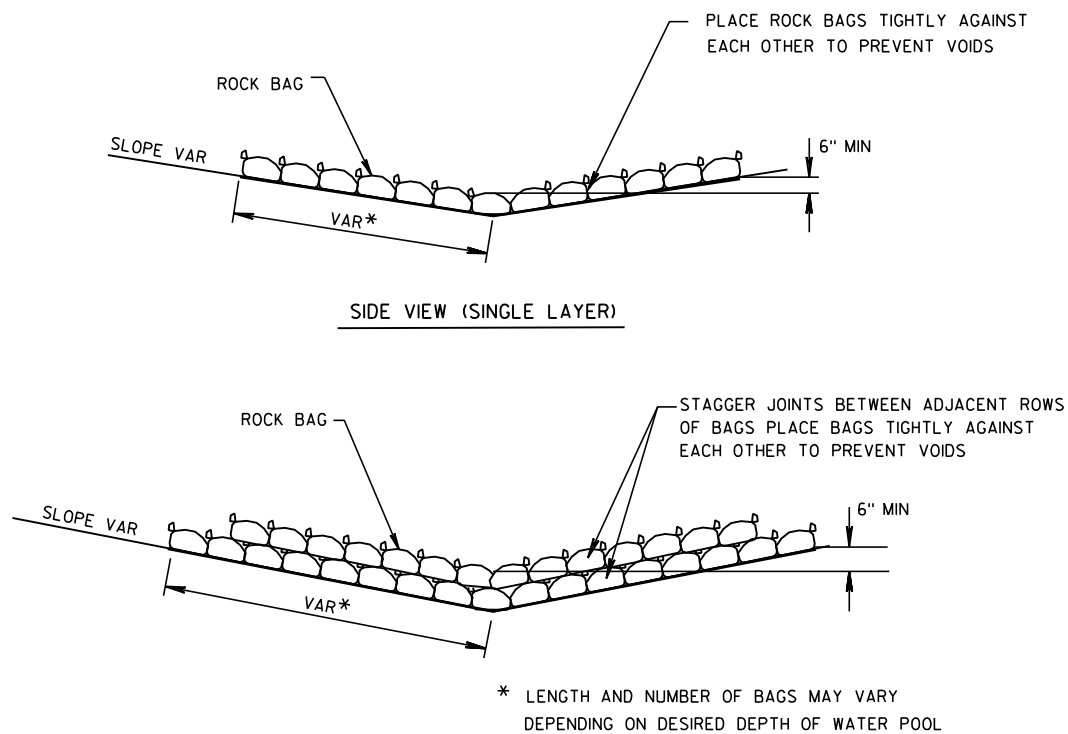


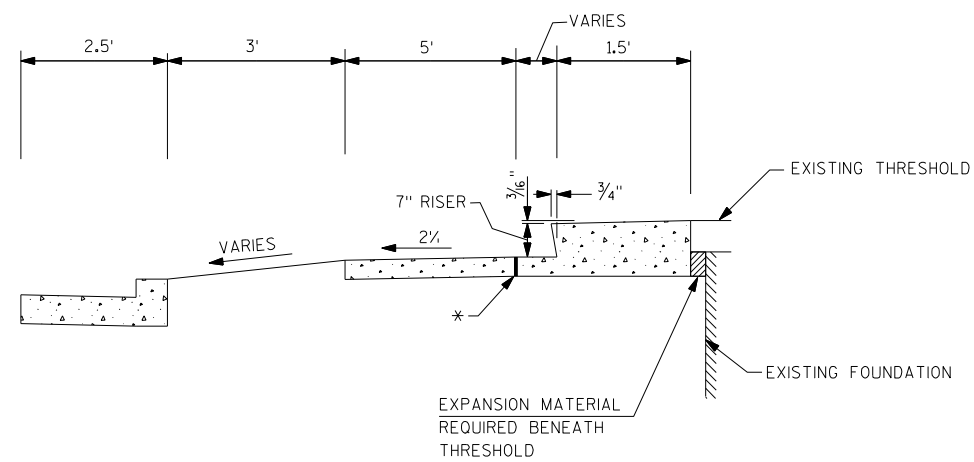
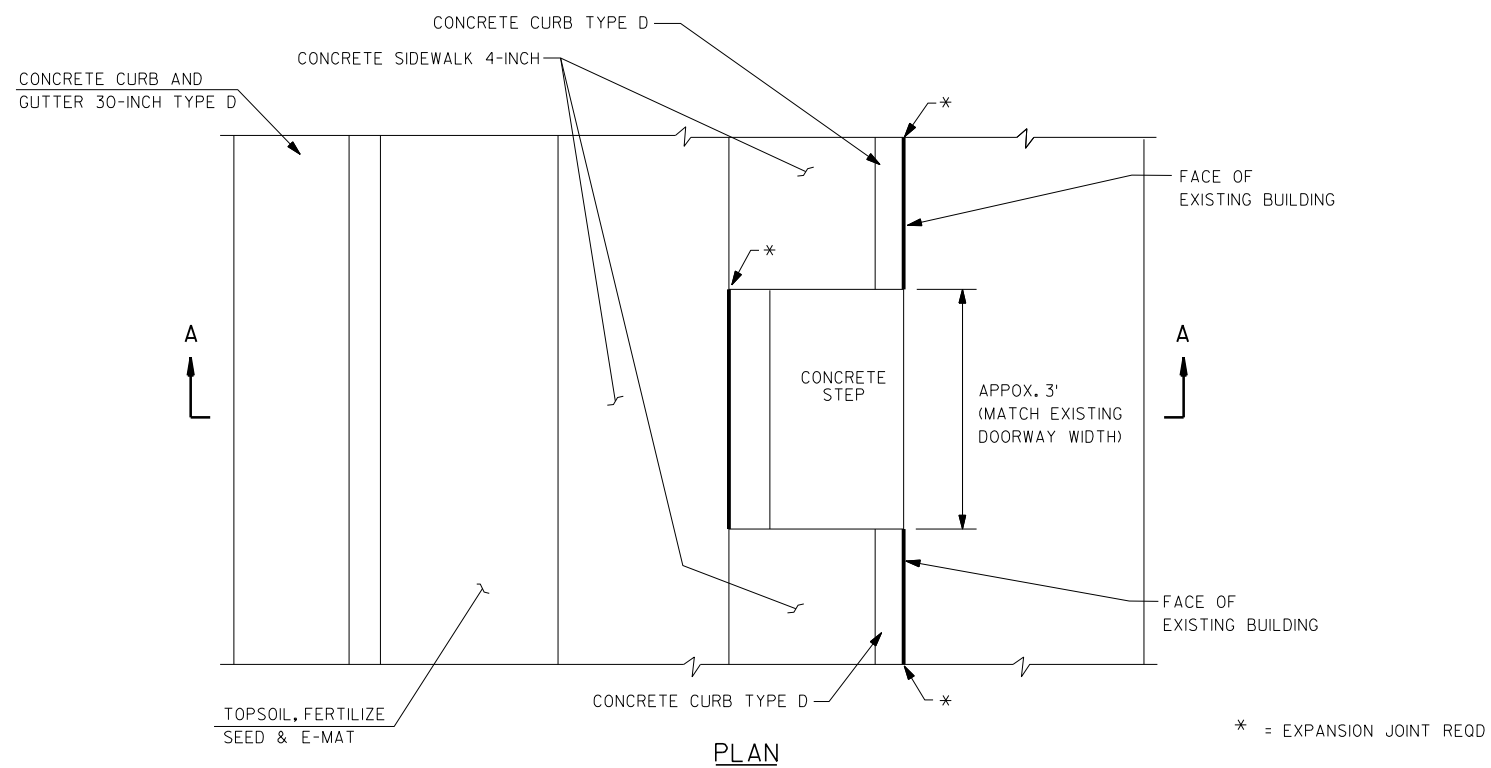
ELEVATION



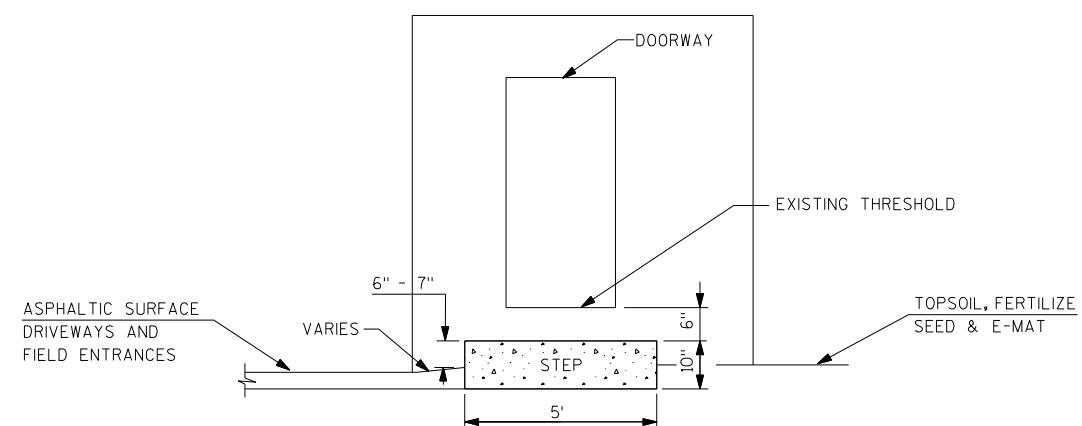
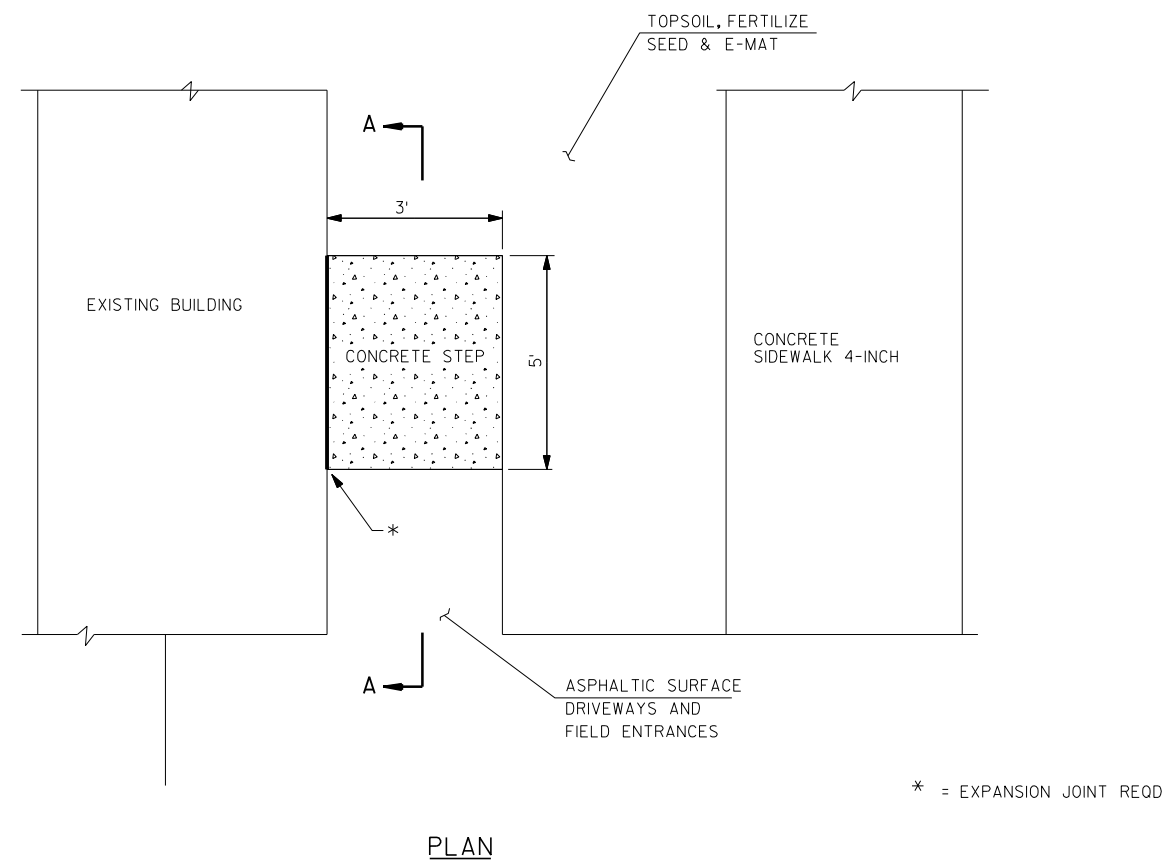
SECTION A-A

DETAIL OF CURB AND GUTTER AT INLETS (TYPE 3-H INLET SHOWN)

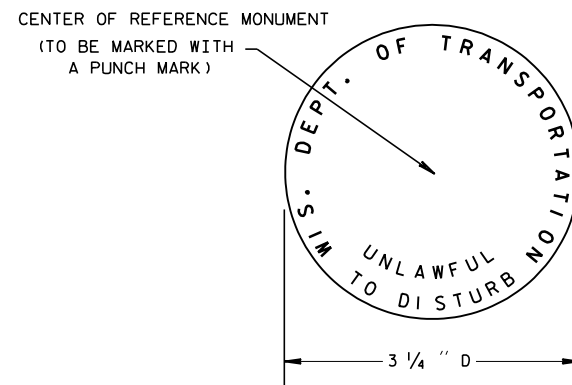




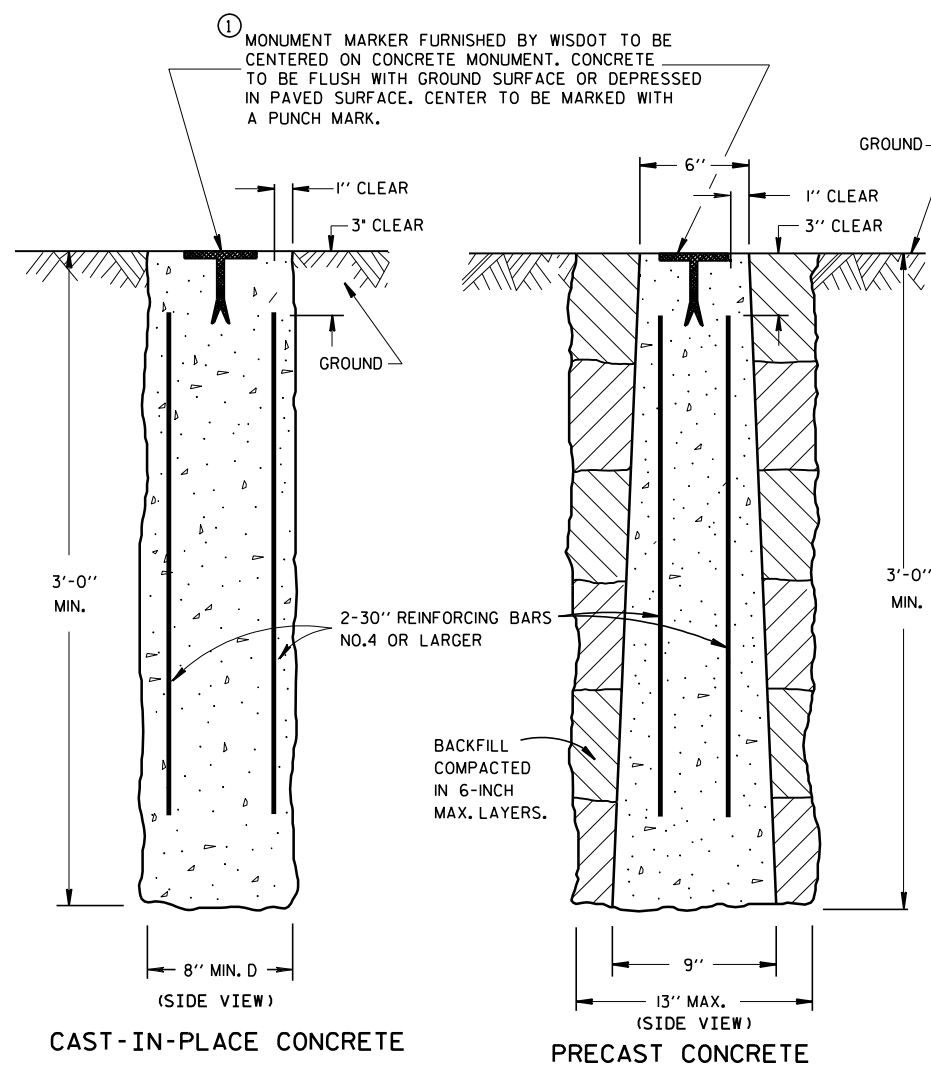
CONCRETE STEP DETAIL
STA 1288+90 RT



CONCRETE STEP DETAIL
STA 1291+30 RT

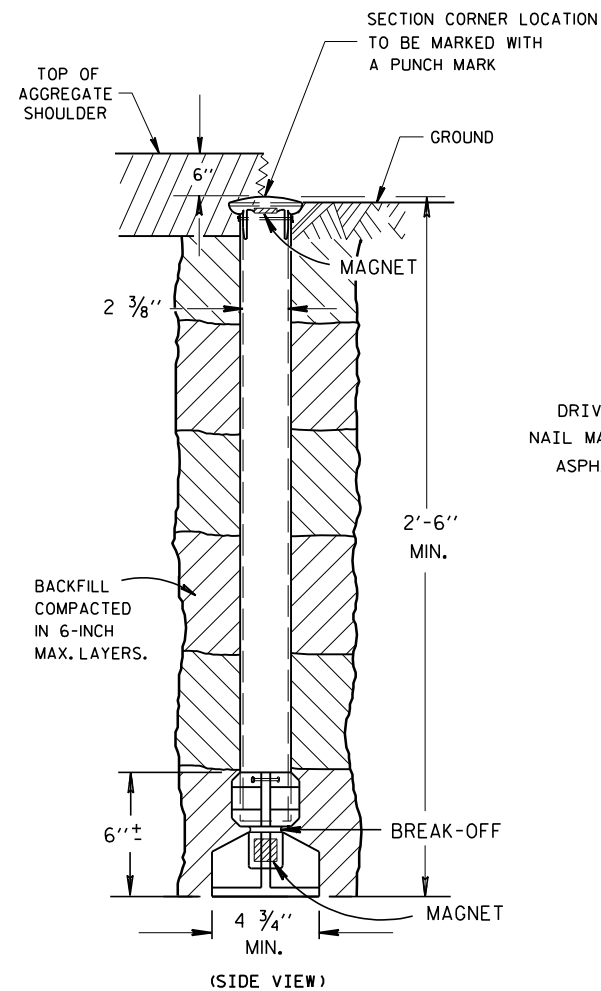


① WIS DOT MONUMENT MARKER LOGO



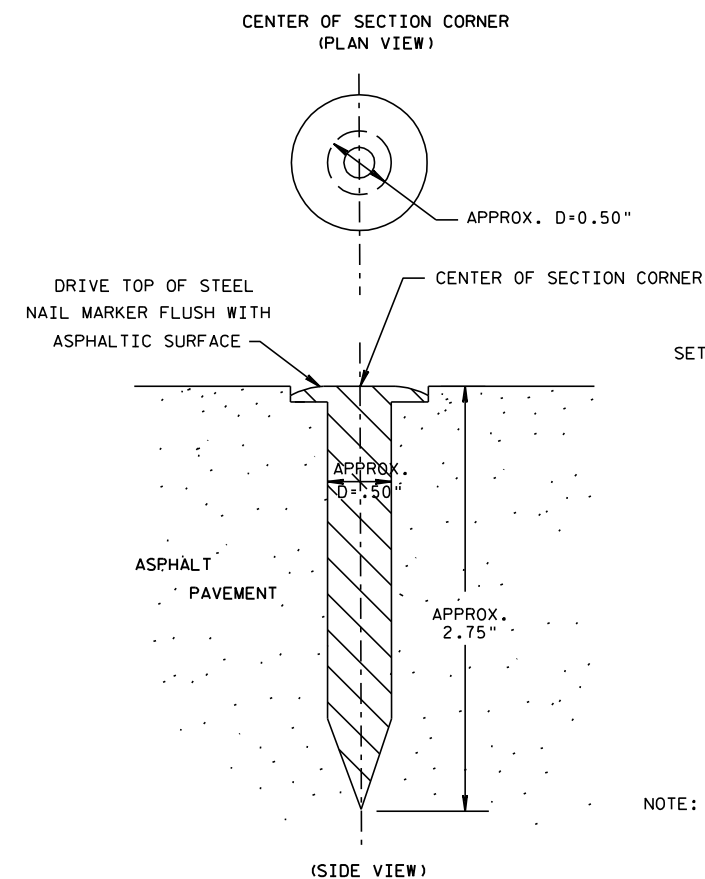
LANDMARK REFERENCE MONUMENTS (TIES ONLY)

SECTION CORNER MONUMENT AND LANDMARK REFERENCE MONUMENT DETAIL



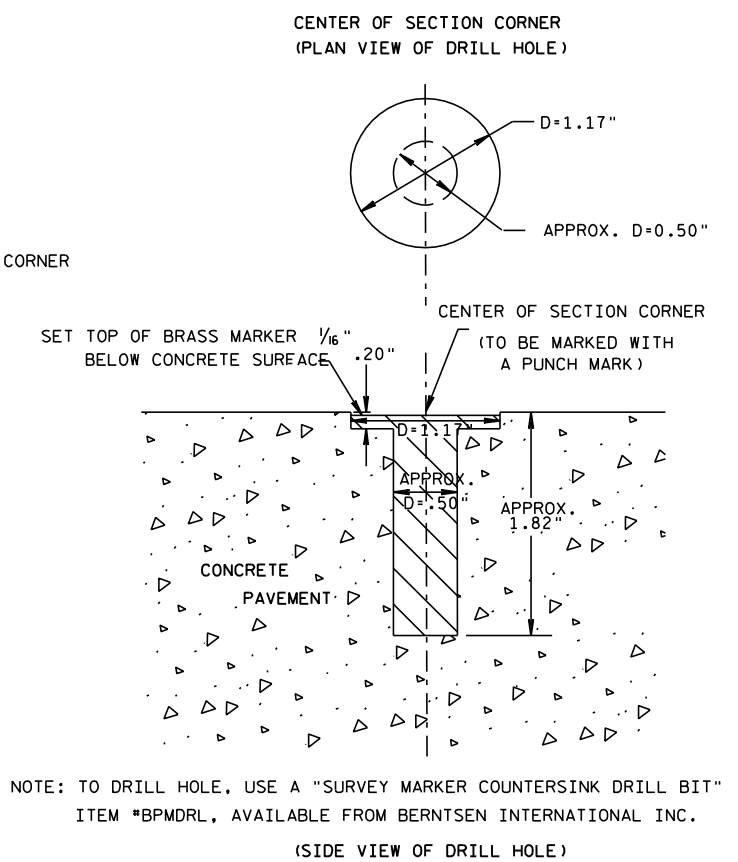
OUTSIDE OF PAVEMENT

① BERNSTEN A1BR30 ALUMINUM BREAK-OFF MONUMENT



IN ASPHALTIC PAVEMENT

① BERNSTEN SNM1 STEEL NAIL MARKER



IN CONCRETE PAVEMENT

① BERNSTEN BP -1 BRASS MARKER WITH ANCHOR PLUG

NOTE: TO DRILL HOLE, USE A "SURVEY MARKER COUNTERSINK DRILL BIT" ITEM #BPMRDL, AVAILABLE FROM BERTSEN INTERNATIONAL INC.

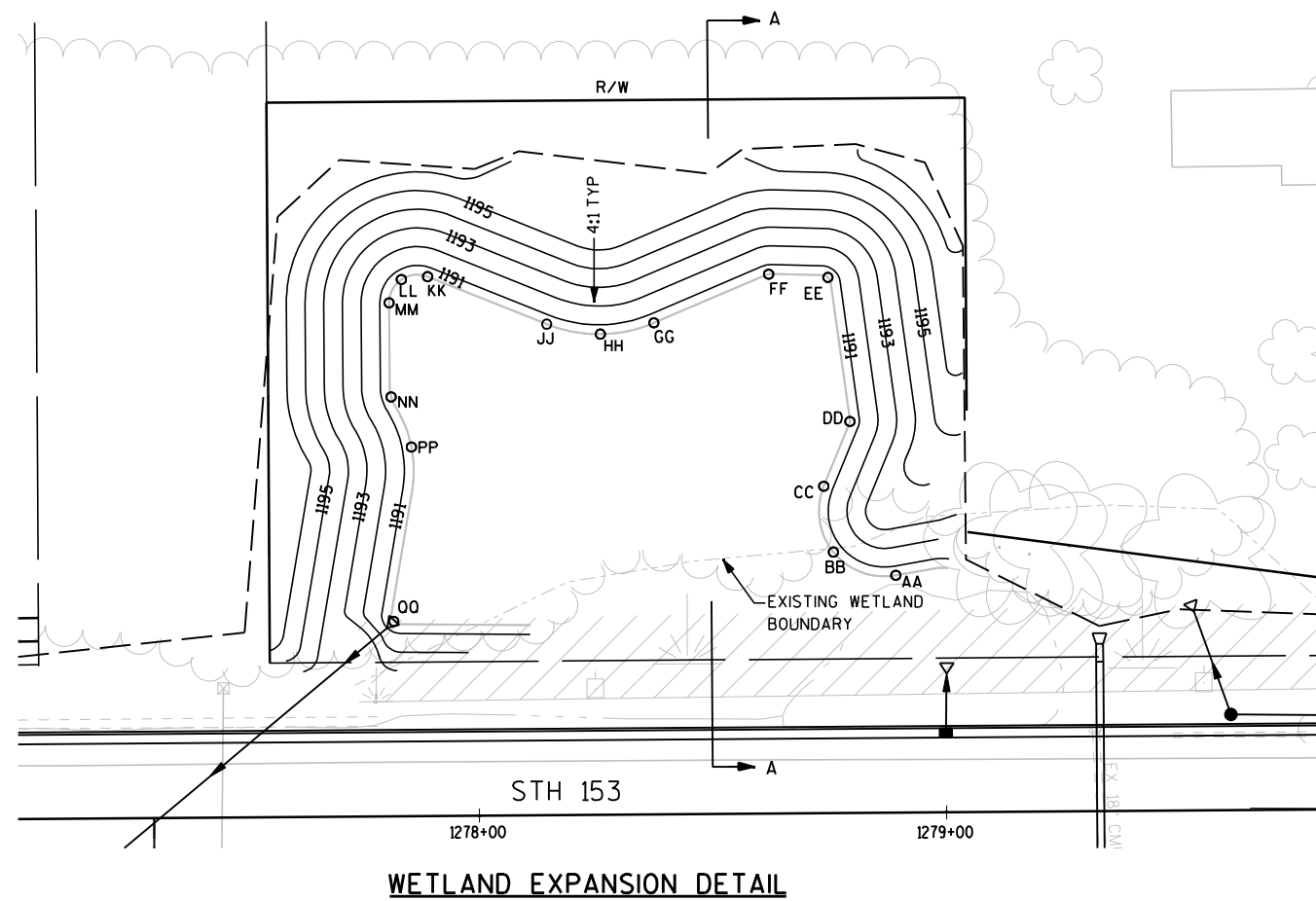
SECTION CORNER MONUMENTS

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

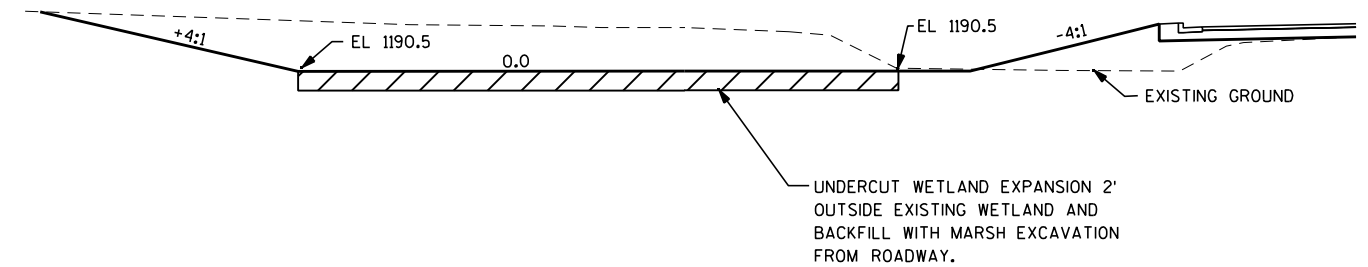
LOCATE LANDMARK REFERENCE MONUMENTS OUTSIDE THE CONSTRUCTION LIMITS AND WITHIN WISDOT RIGHT OF WAY. LOCATION TO BE APPROVED BY THE ENGINEER.

① THE DISTRICT SURVEY COORDINATOR WILL SUPPLY.

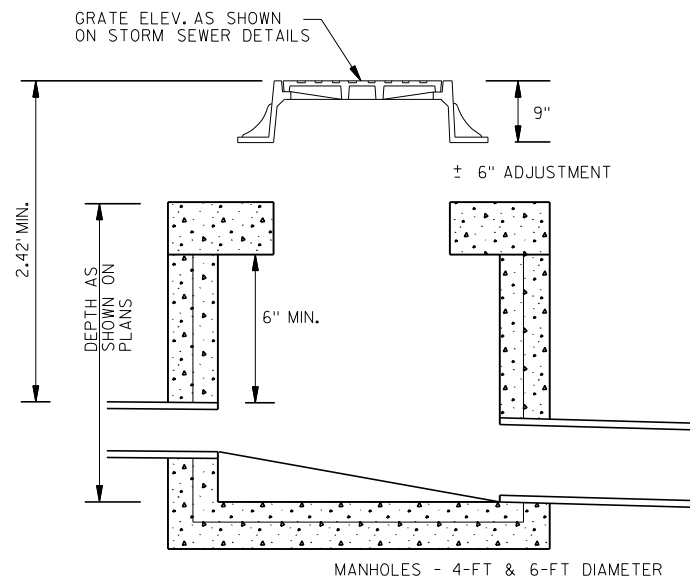


STAKING TABLE

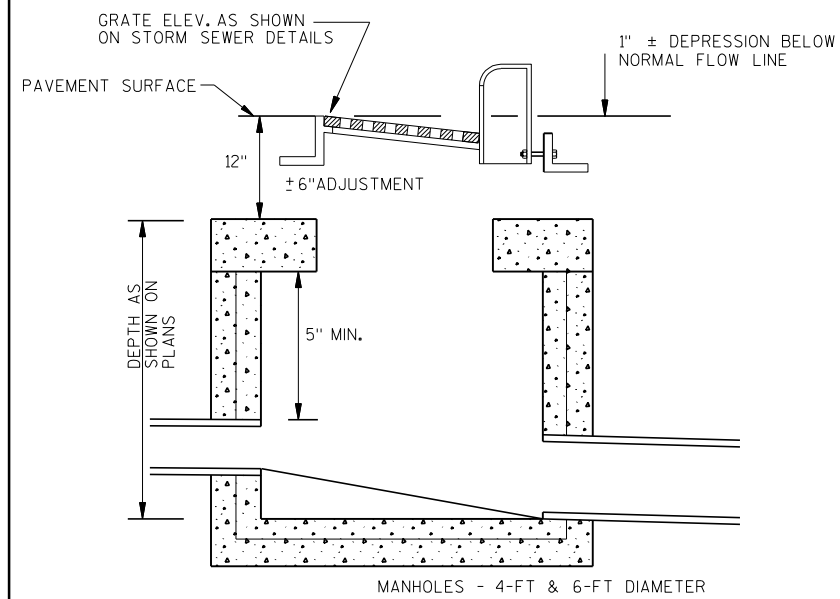
	STATION	OFFSET	DIRECTION
AA	1278+89.5	50.8	LT
BB	1278+76.2	55.9	LT
CC	1278+74.2	70.0	LT
DD	1278+80.0	83.8	LT
EE	1278+75.4	114.7	LT
FF	1278+62.7	115.5	LT
GG	1278+38.1	105.2	LT
HH	1278+26.6	102.9	LT
JJ	1278+15.2	105.1	LT
KK	1277+89.7	115.5	LT
LL	1277+84.1	114.9	LT
MM	1277+81.5	109.9	LT
NN	1277+81.7	89.8	LT
PP	1277+86.0	79.0	LT
OO	1277+82.0	41.7	LT



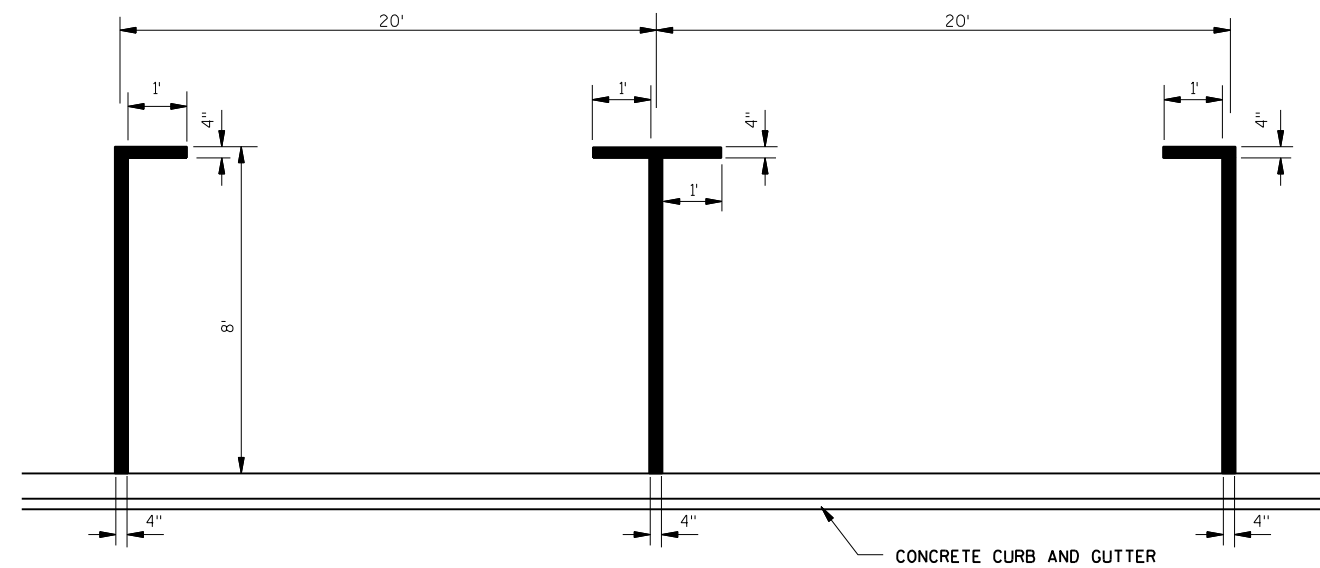
2



DETAIL FOR COMPUTING ELEVATIONS FOR
MANHOLES WITH MANHOLE COVERS

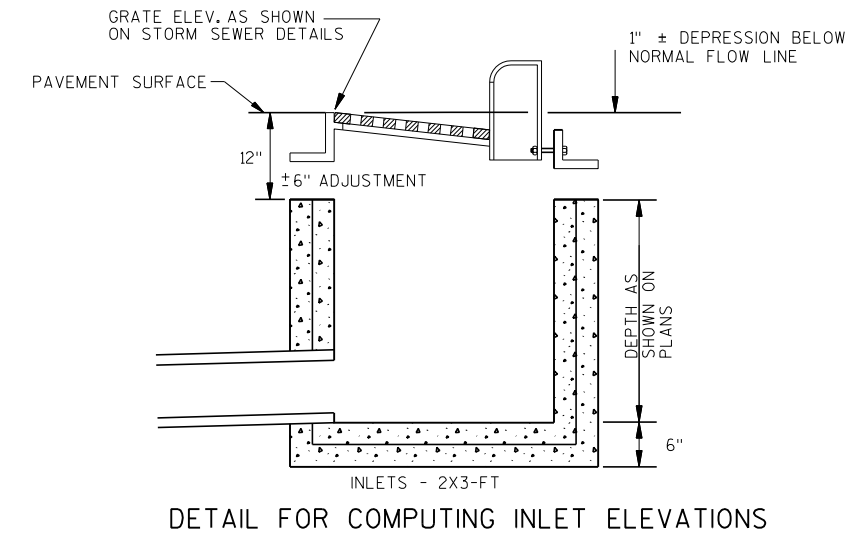


DETAIL FOR COMPUTING ELEVATIONS FOR
MANHOLES WITH INLET COVERS

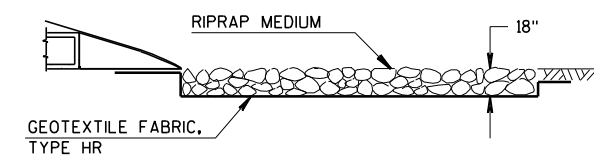
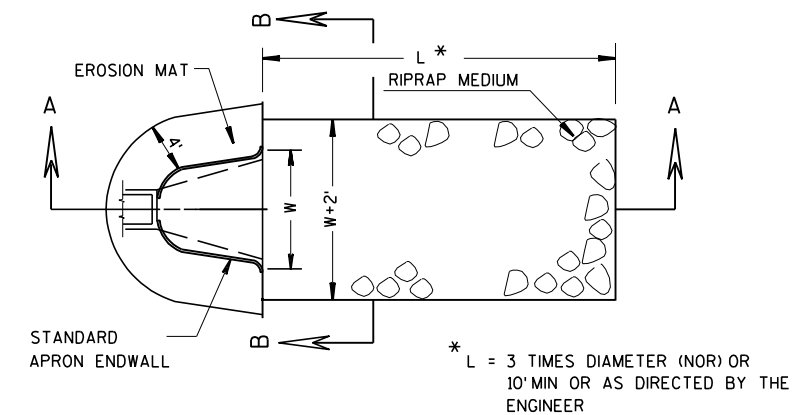


PAVEMENT MARKING PARKING STALL EPOXY

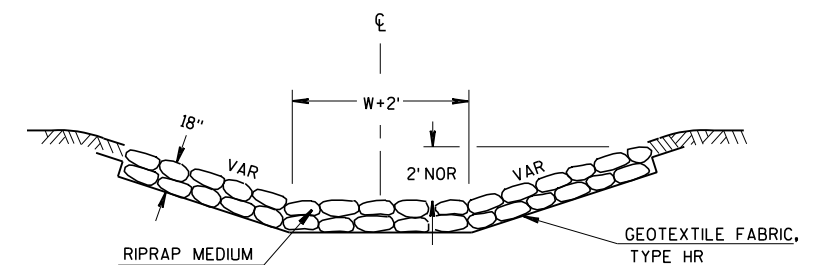
2



DETAIL FOR COMPUTING INLET ELEVATIONS

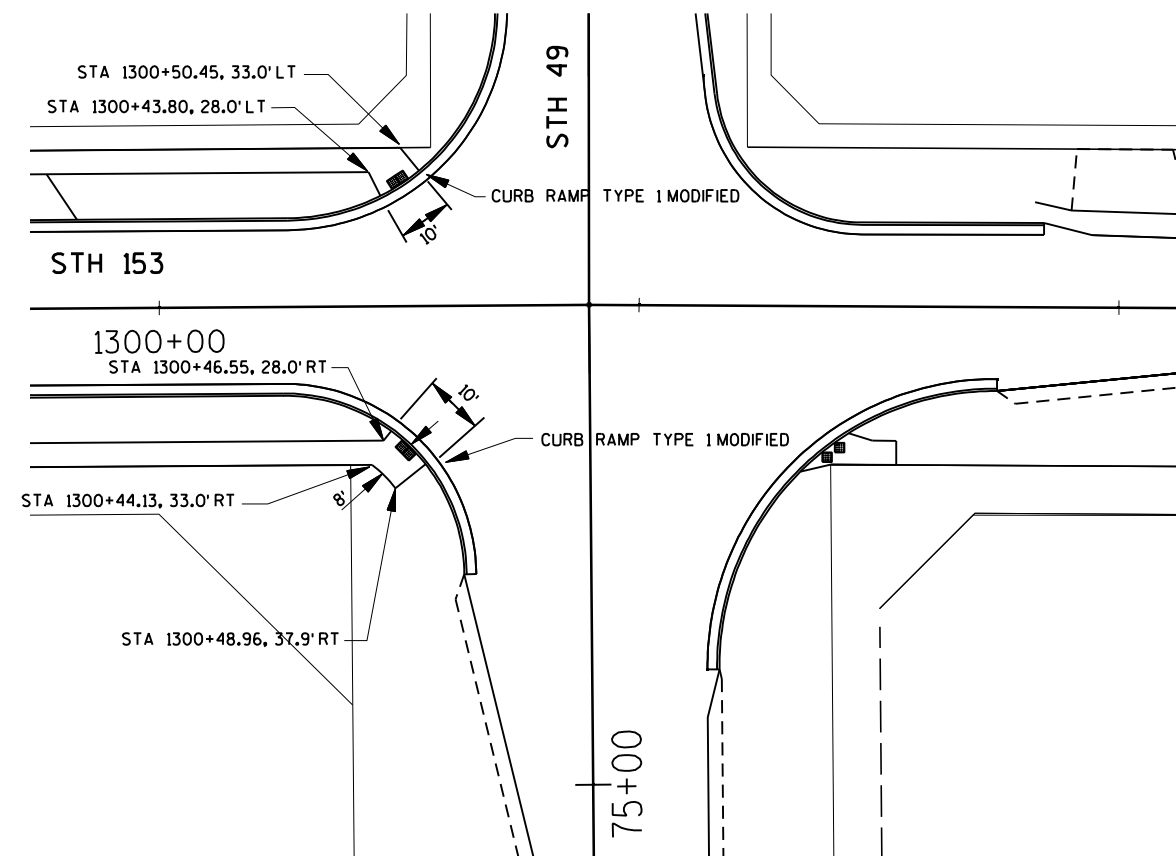


SECTION A-A



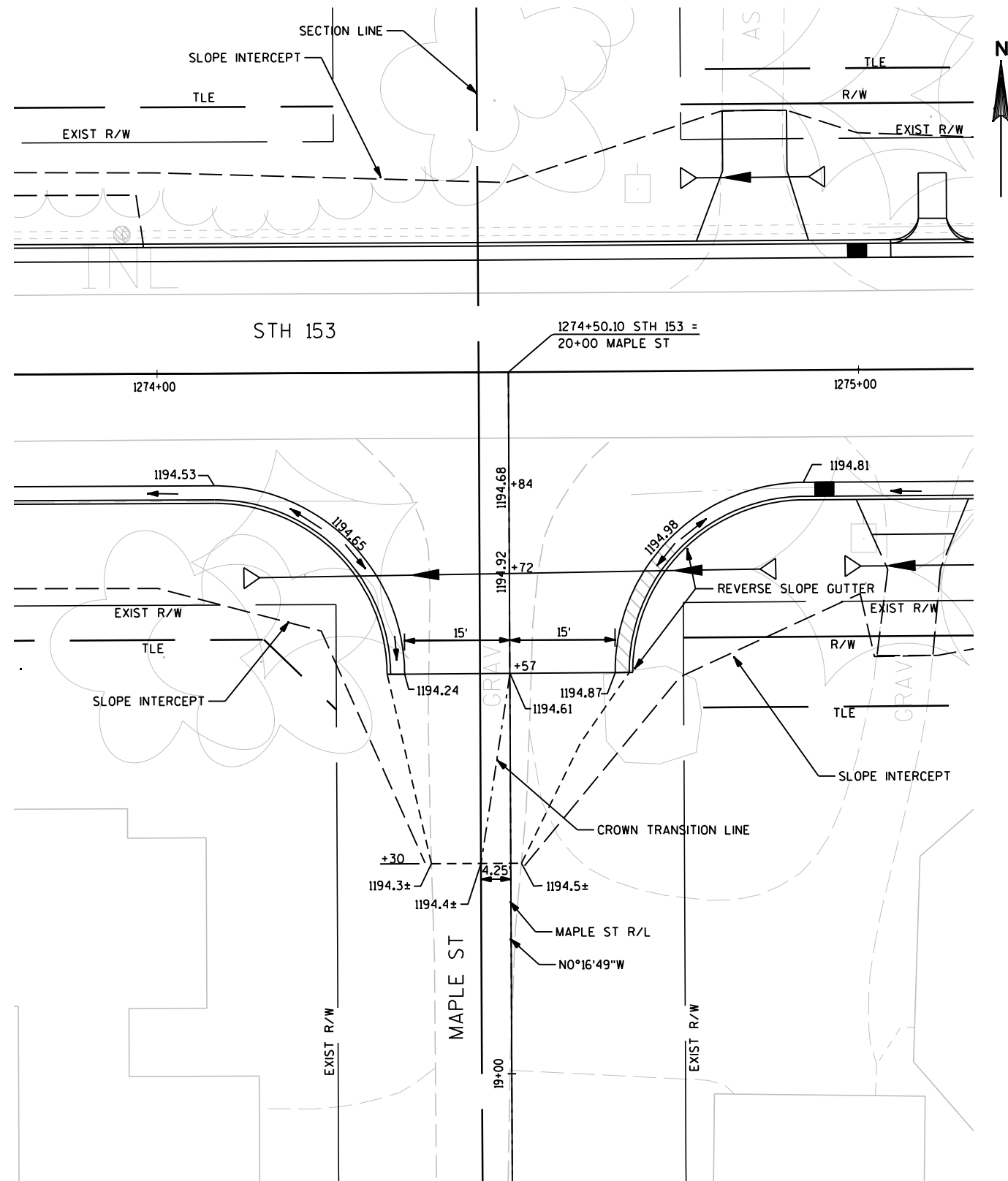
SECTION B-B

RIPRAP MEDIUM AT APRON ENDWALLS



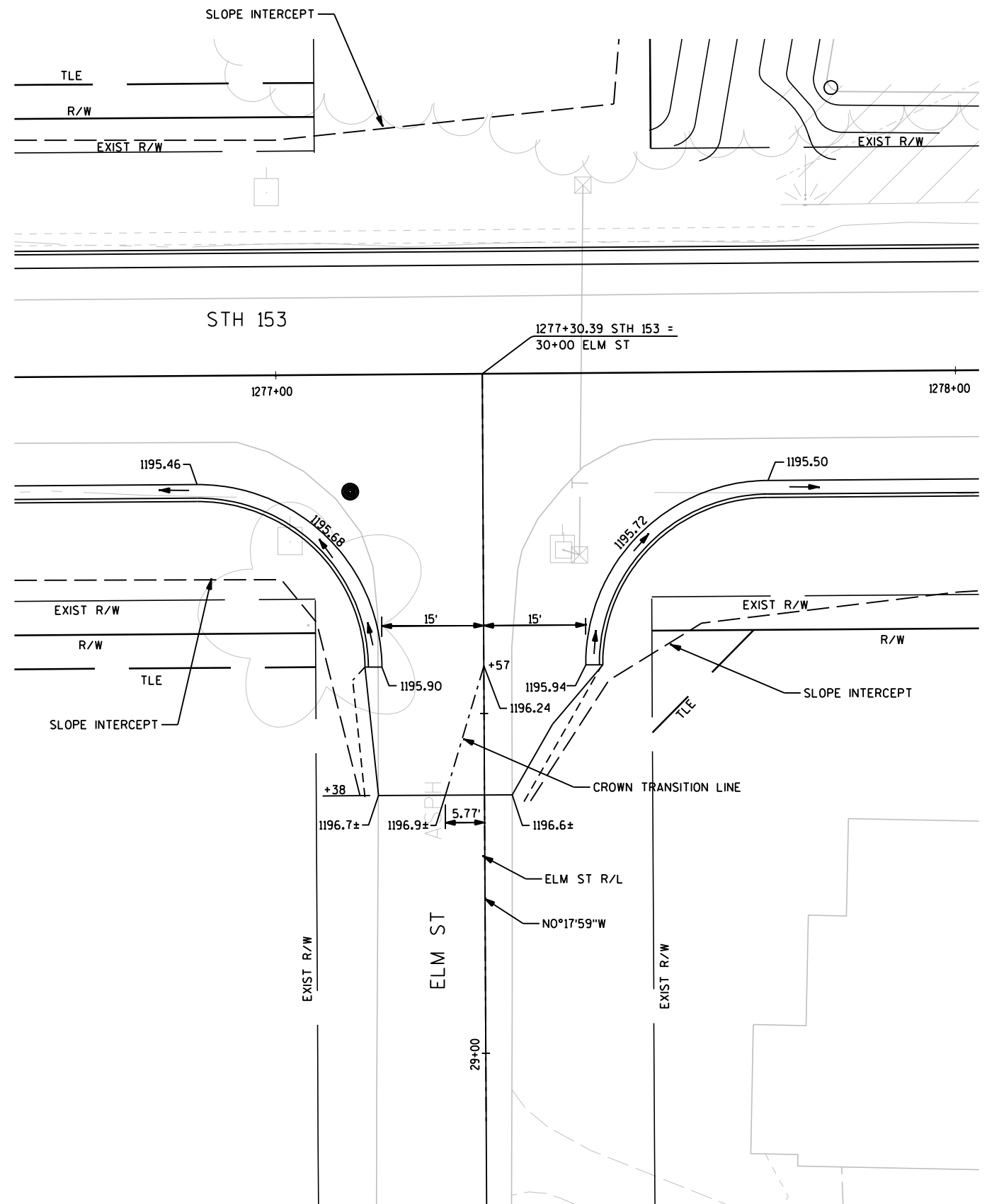
CURB RAMP TYPE 1 MODIFIED DETAIL

2



N

2



N

2

STH 153

1283+90.39 STH 153 =
40+00 WAUSAU ST

1196.90 1284+00

1196.44 1196.56 1196.68 1197.04 1197.39

EXIST R/W TLE SLOPE INTERCEPT

15' 15'

CURB RAMP TYPE 2

1198.04 1195.52 1196.97 1197.12 1197.08 1197.39

EXIST R/W TLE SLOPE INTERCEPT

WAUSAU ST

1197.26 1197.52 1197.39

2.25'

+2 1197.6± 1197.8± 39+00 1197.7±

SAWCUT AND MATCH EXIST

WAUSAU ST R/L

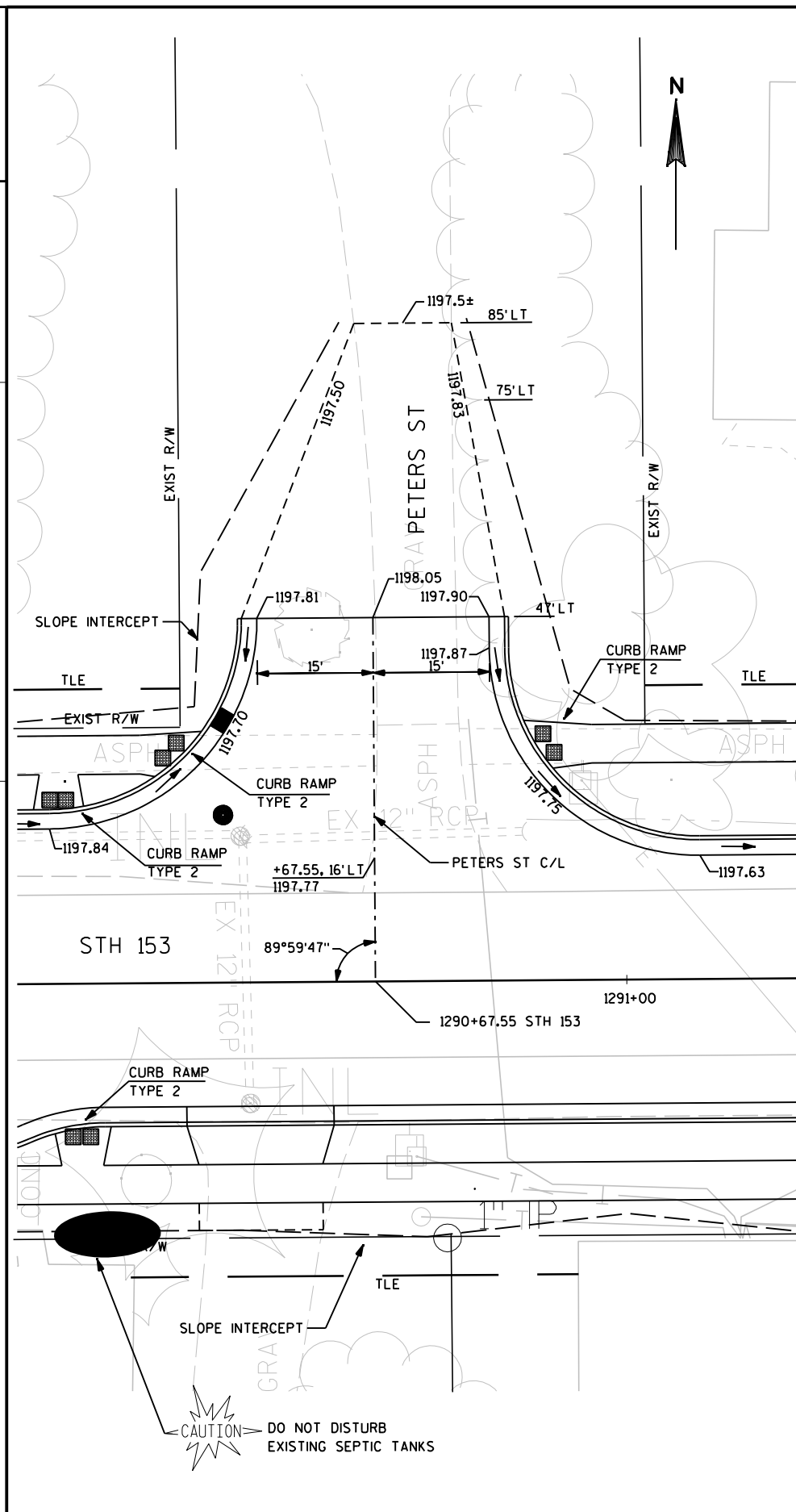
NO°17'59"W

CROWN TRANSITION LINE

GRAV

N

2



PROJECT NO: 6600-03-78

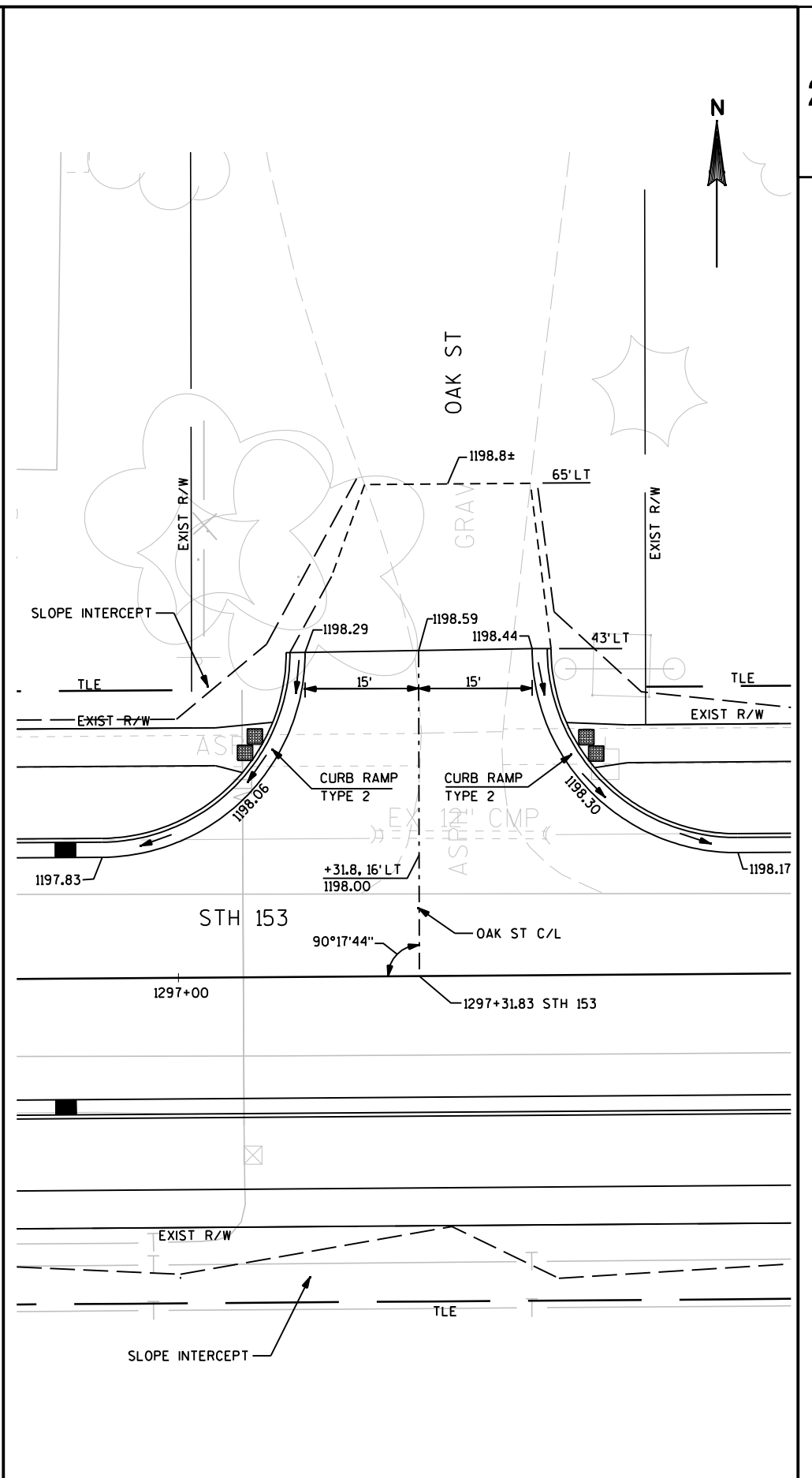
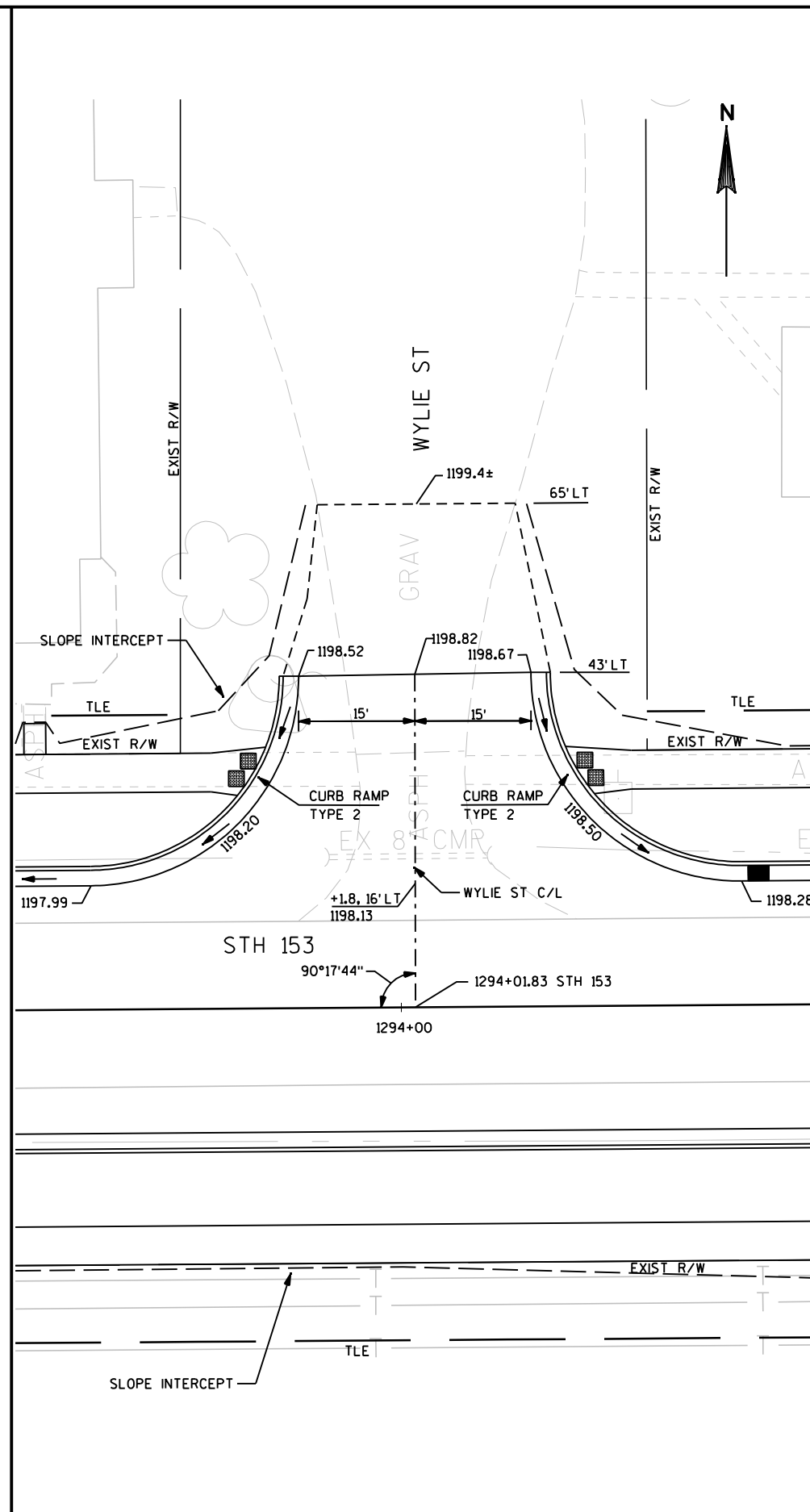
HWY: STH 153

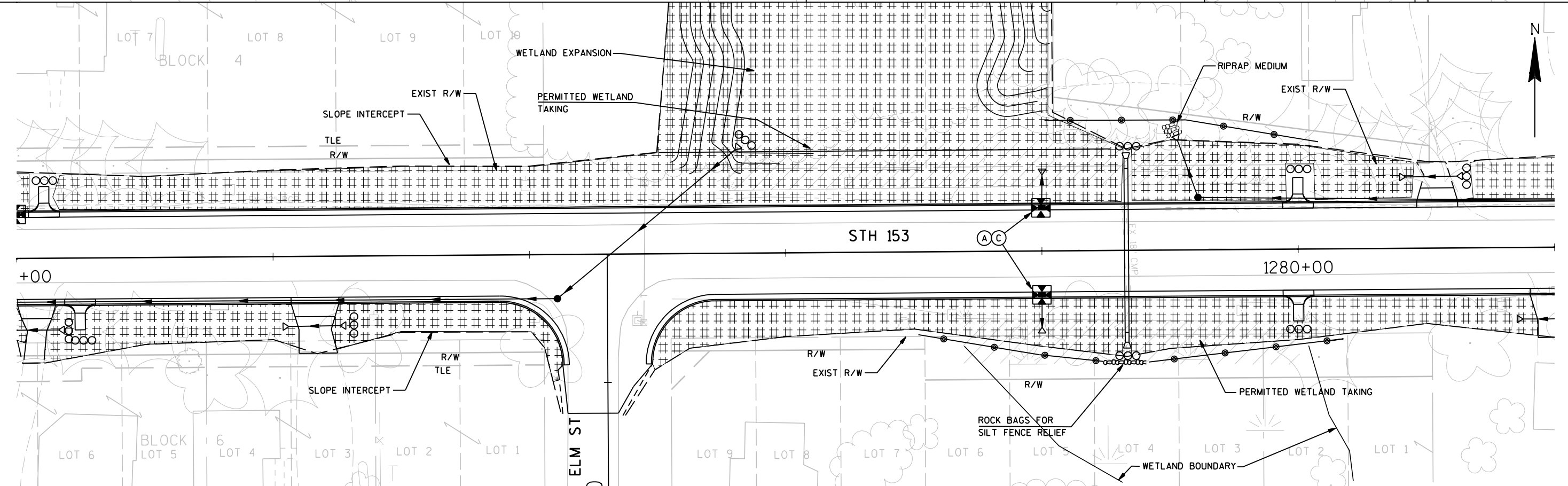
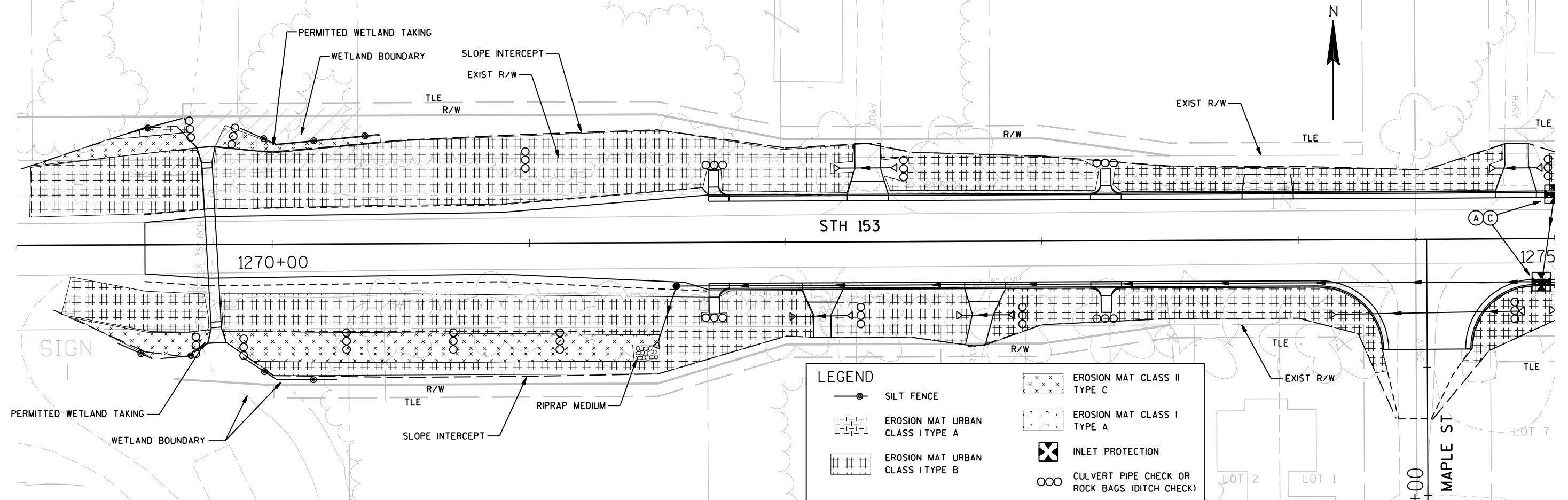
COUNTY: MARATHON

CONSTRUCTION DETAILS

SHEET 17

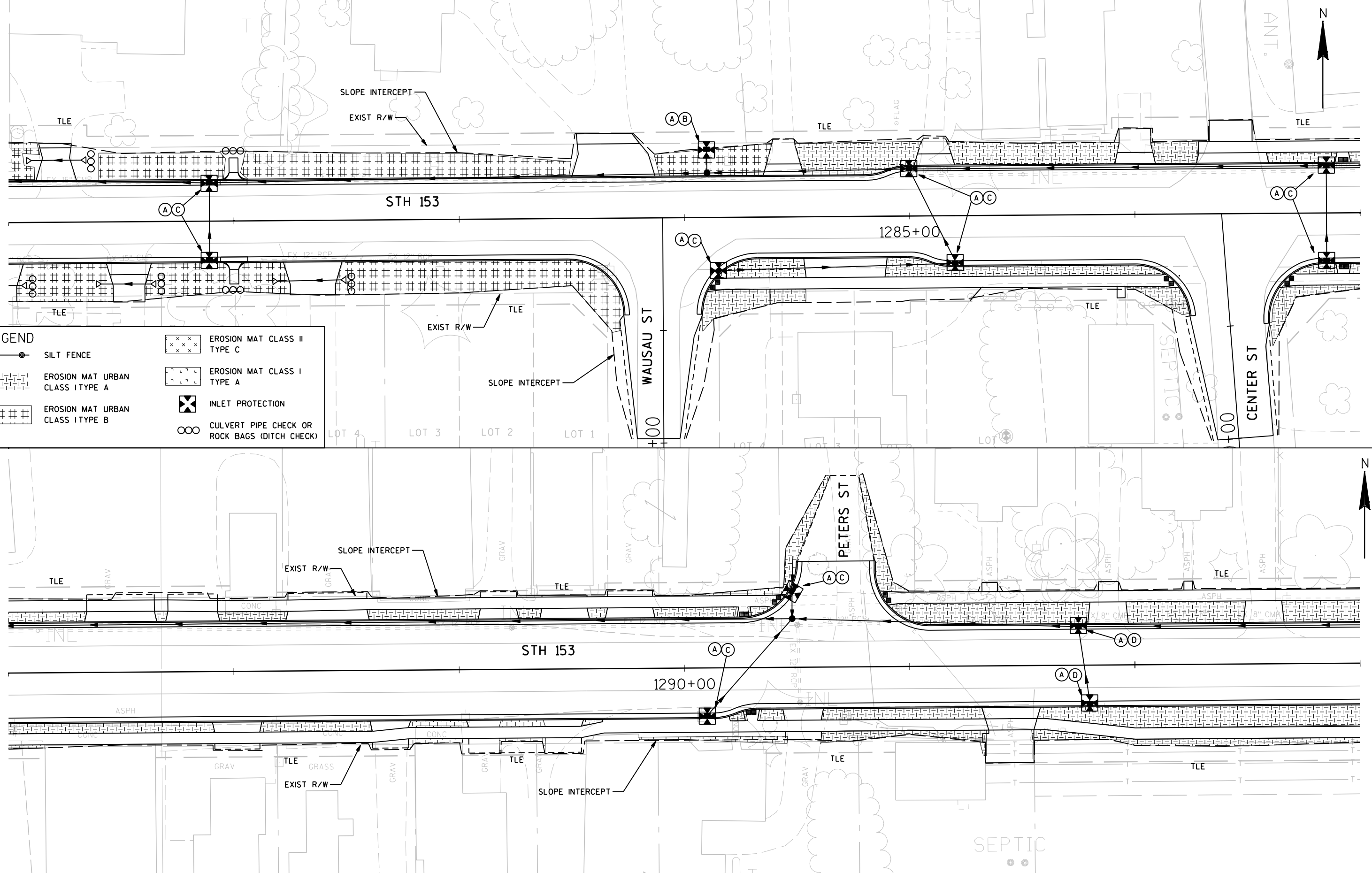
2





LEVELS ON = 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 57, 58, 59.

LEGEND	
	SILT FENCE
	EROSION MAT URBAN CLASS I TYPE A
	EROSION MAT URBAN CLASS I TYPE B
	EROSION MAT CLASS II TYPE C
	EROSION MAT CLASS I TYPE A
	INLET PROTECTION
	CULVERT PIPE CHECK OR ROCK BAGS (DITCH CHECK)



PROJECT NUMBER: 6600-03-78

HWY: STH 153

COUNTY: MARATHON

EROSION CONTROL

SCALE, FEET

SHEET NO: 20

E

FILE NAME : F:\Transportation\E1703L05\Sheets\Final Plan\66000378_022002_06.dwg

1/22/2013 3:20:18 PM PLOT BY : perryd

PLOT NAME :

ORG DATE :

Originator : OMNNI ASSOCIATES, INC.

PLOT SCALE : 2.0000 ft / IN.

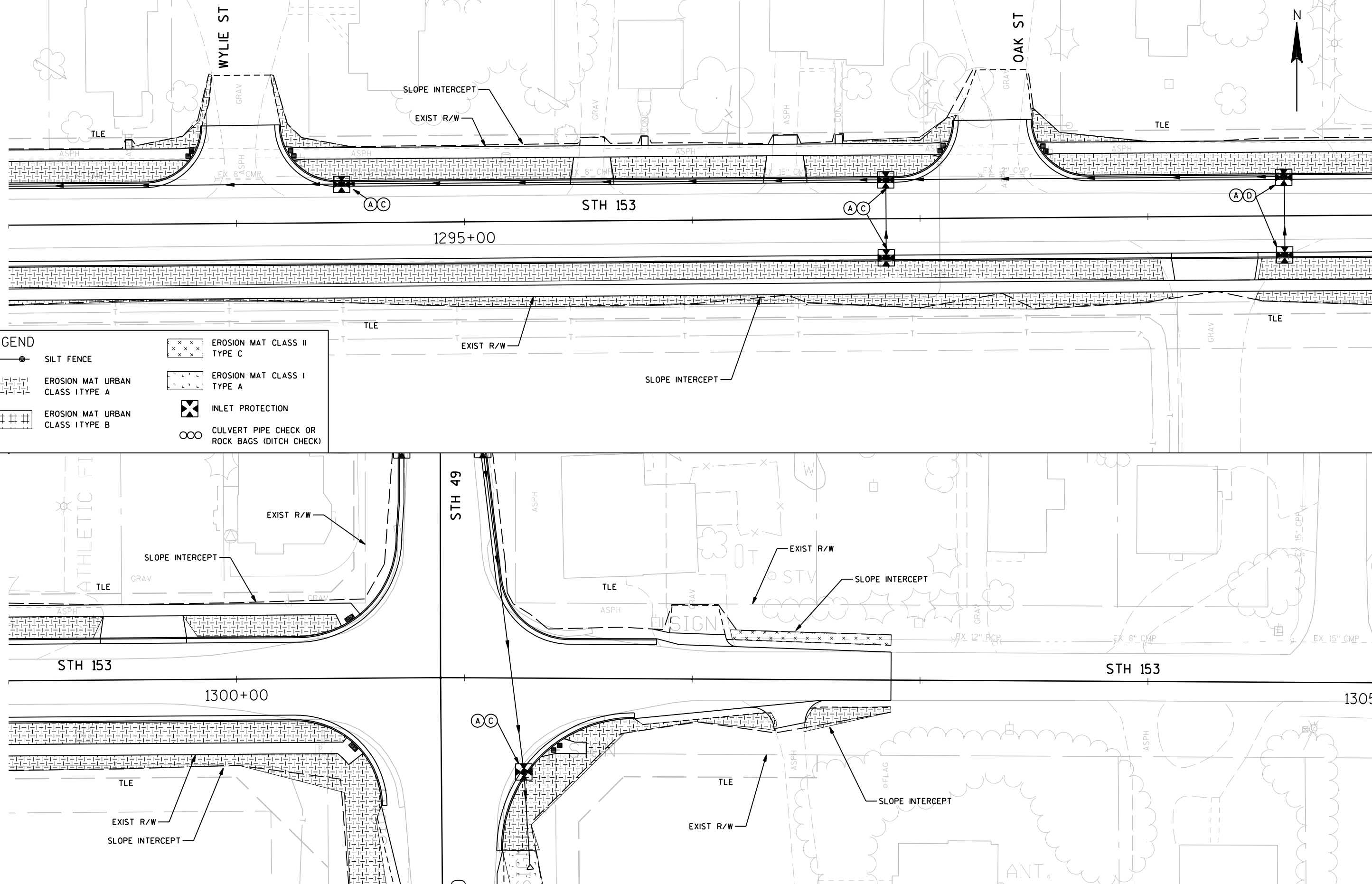
WISDOT/CADDs SHEET 42

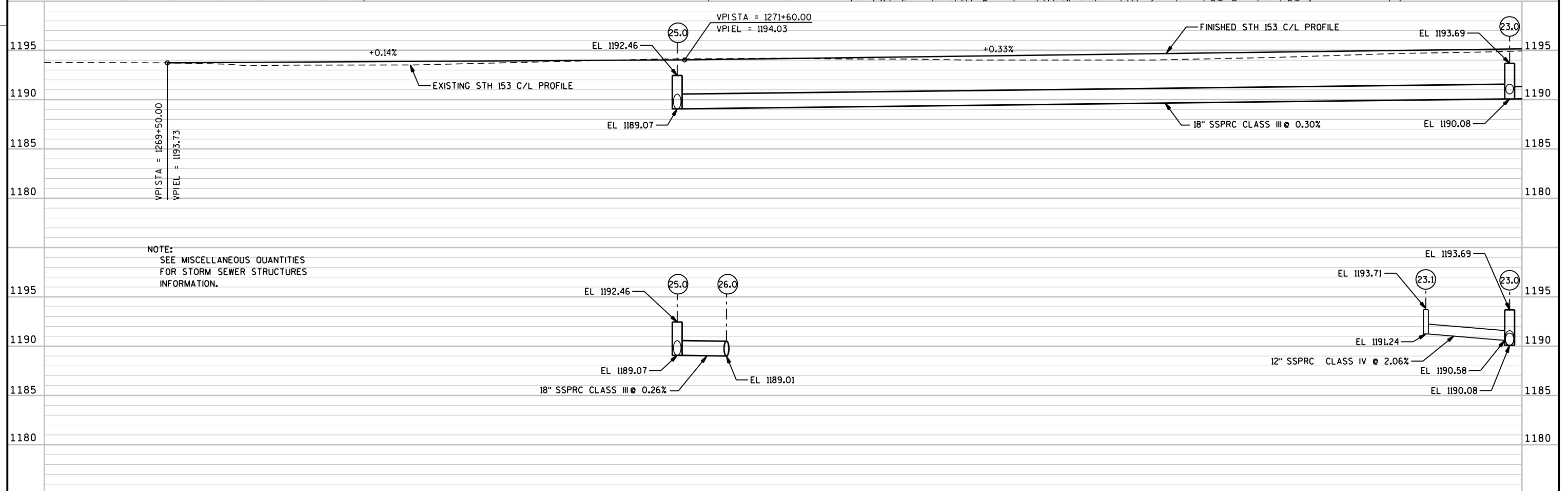
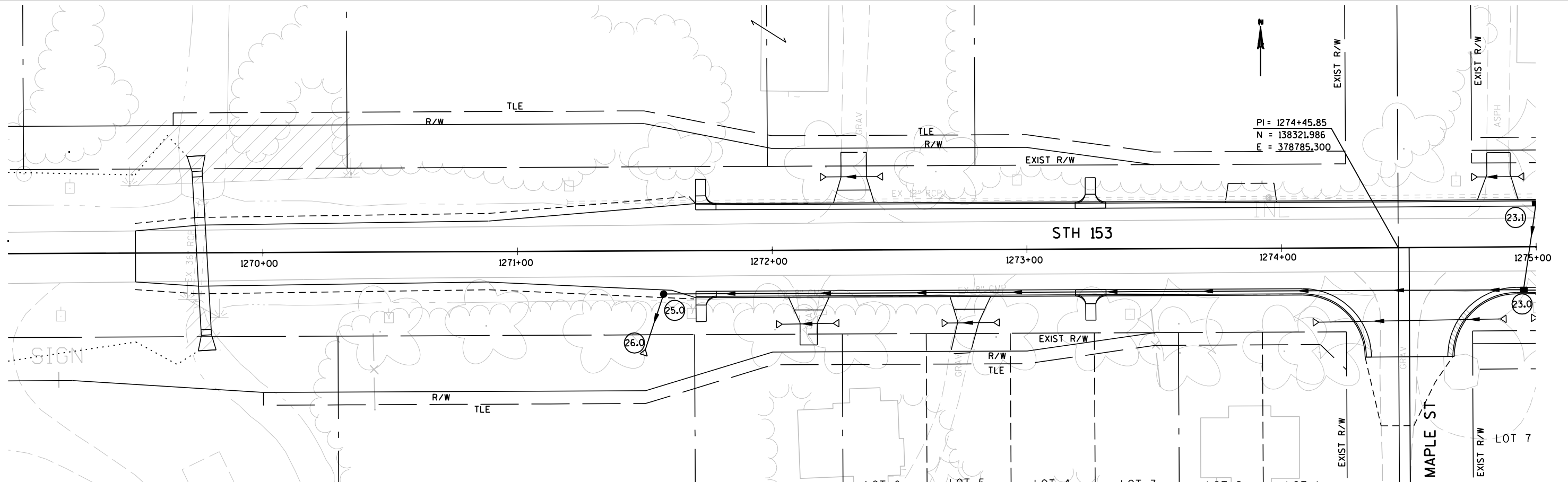
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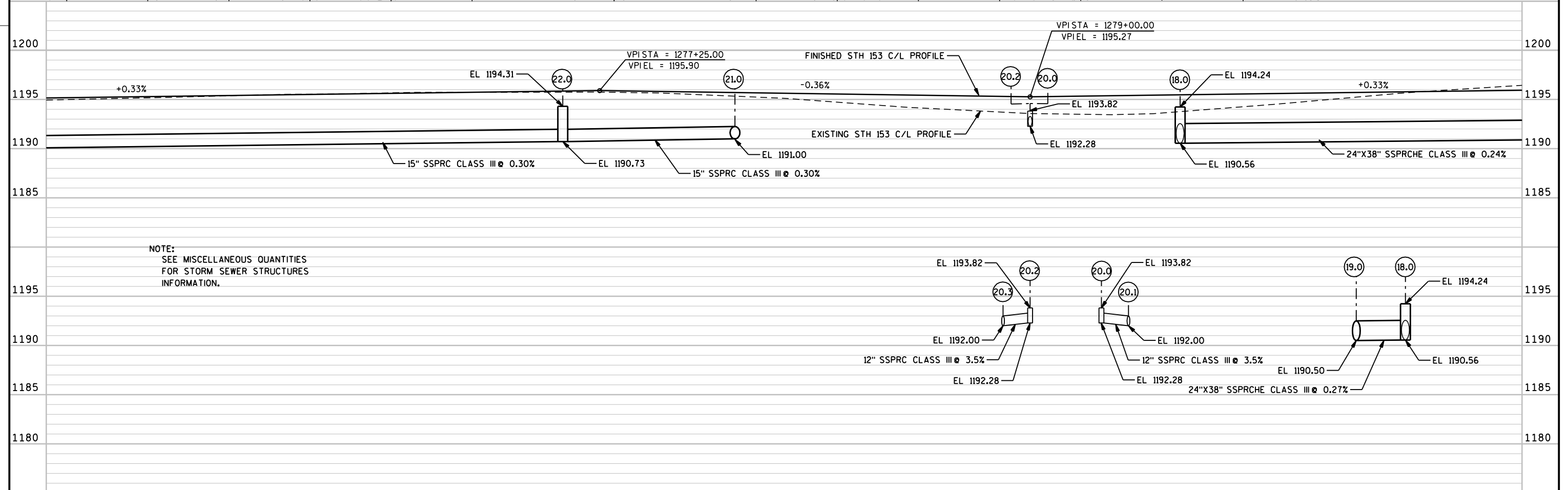
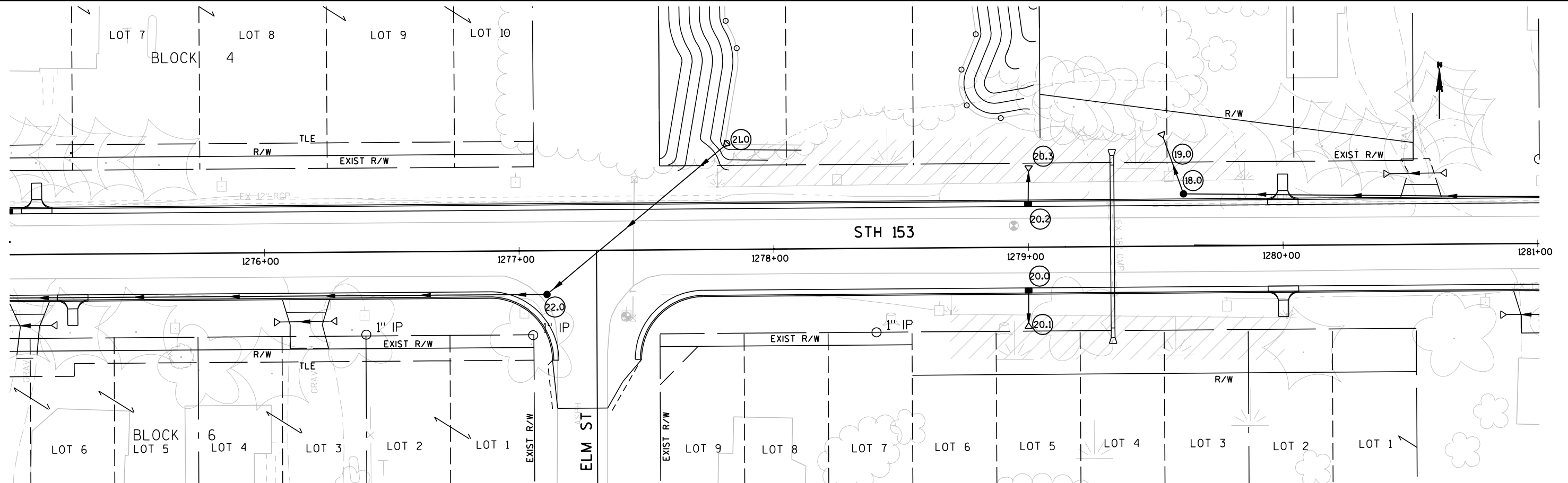
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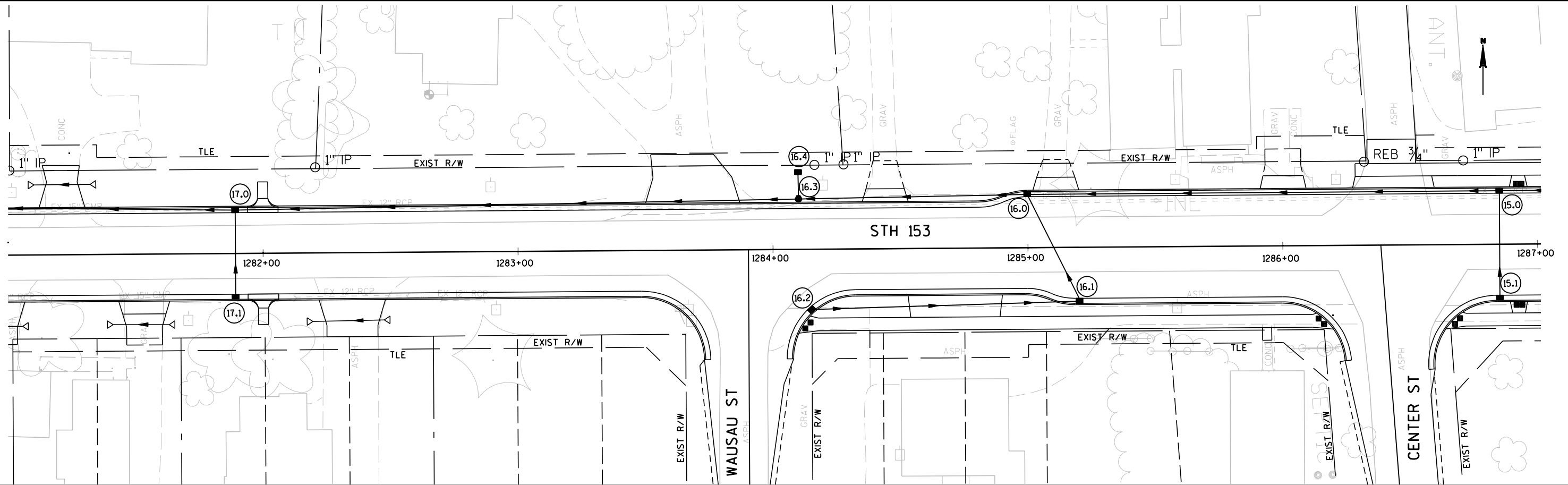
LEGEND	
	SILT FENCE
	EROSION MAT URBAN CLASS I TYPE A
	EROSION MAT URBAN CLASS I TYPE B
	EROSION MAT CLASS II TYPE C
	EROSION MAT CLASS I TYPE A
	INLET PROTECTION
	CULVERT PIPE CHECK OR ROCK BAGS (DITCH CHECK)



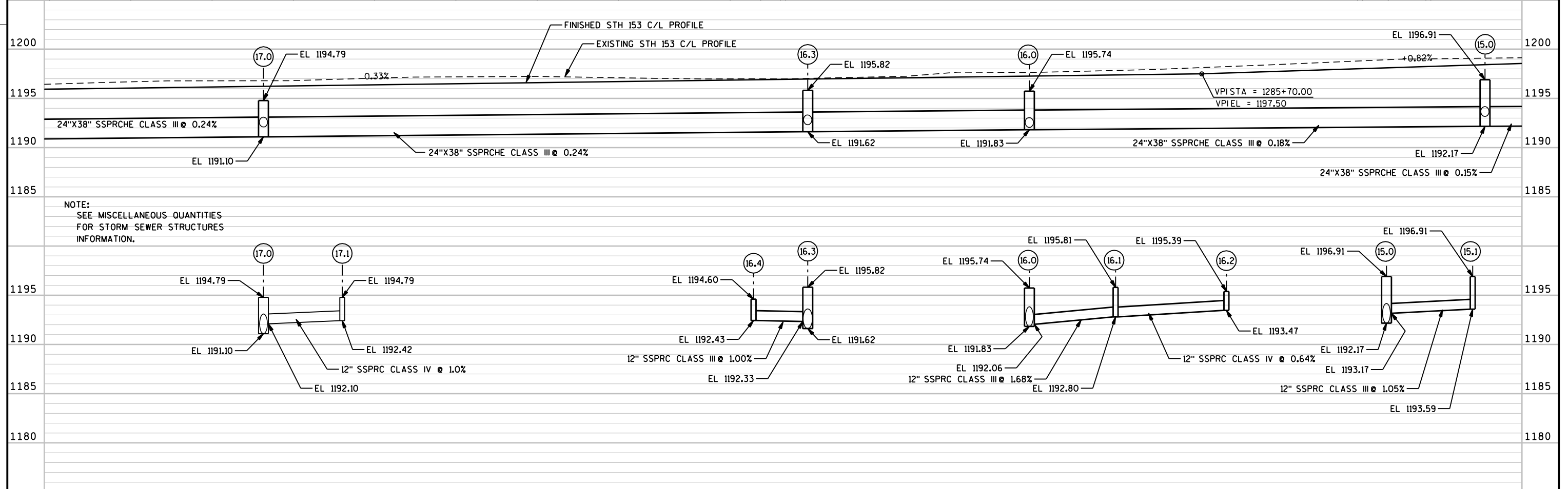




2



2



PROJECT NO:6600-03-78

HWY:STH 153

COUNTY:MARATHON

STORM SEWER

SHEET

25

E

FILE NAME : F:\Transportation\E1703L05\Sheets\Final Plan\ELDERONSS03.dgn

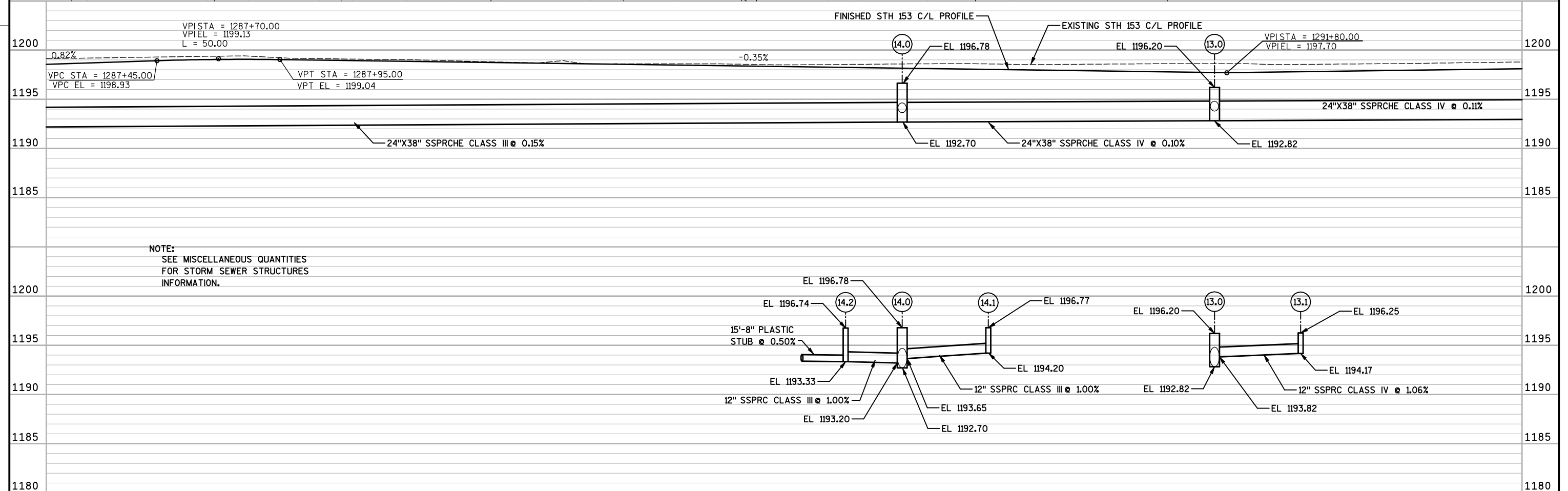
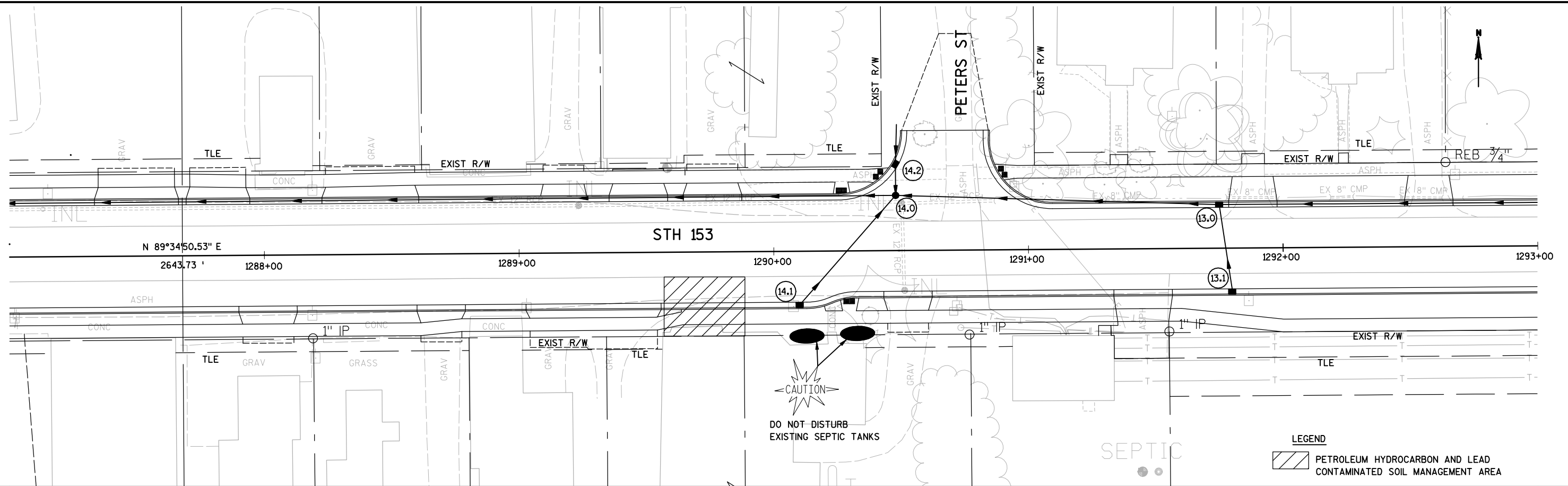
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PLOT BY : OMNI - perryd

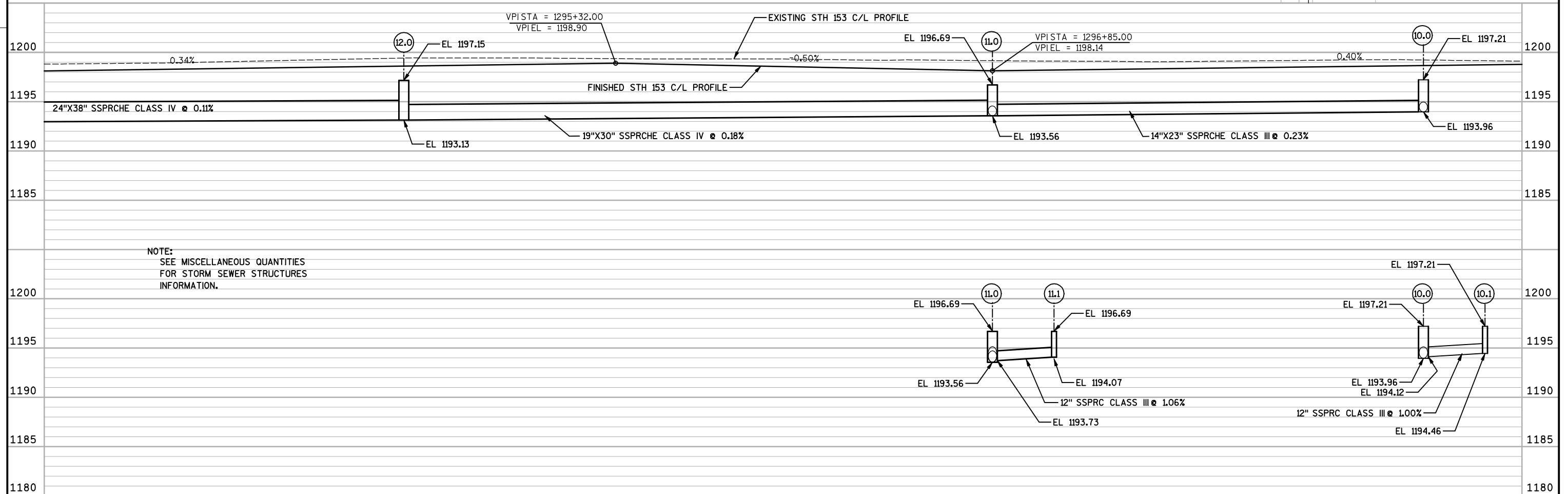
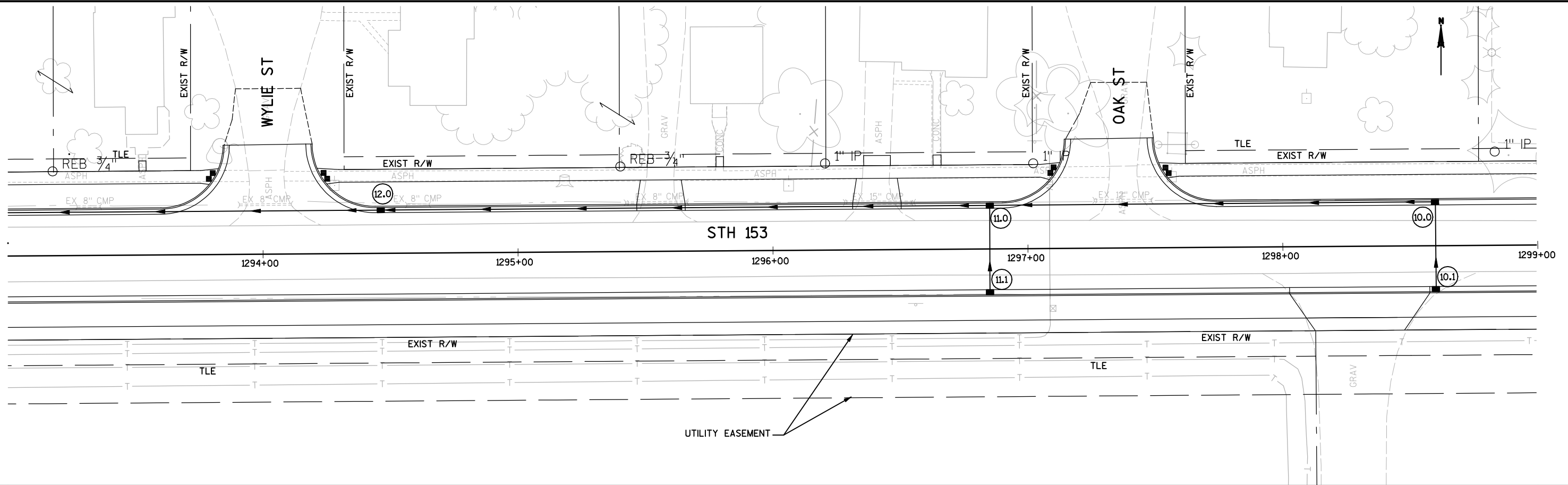
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PLOT SCALE : 2.0000 ft / IN.

WISDOT/CADDs SHEET 41



2



PROJECT NO:6600-03-78

HWY:STH 153

COUNTY:MARATHON

STORM SEWER

SHEET

27

E

FILE NAME : F:\Transportation\E1703L05\Sheets\Final Plan\ELDERONSS05.dgn

PLOT DATE : 2/1/2013 1:44:37 PM

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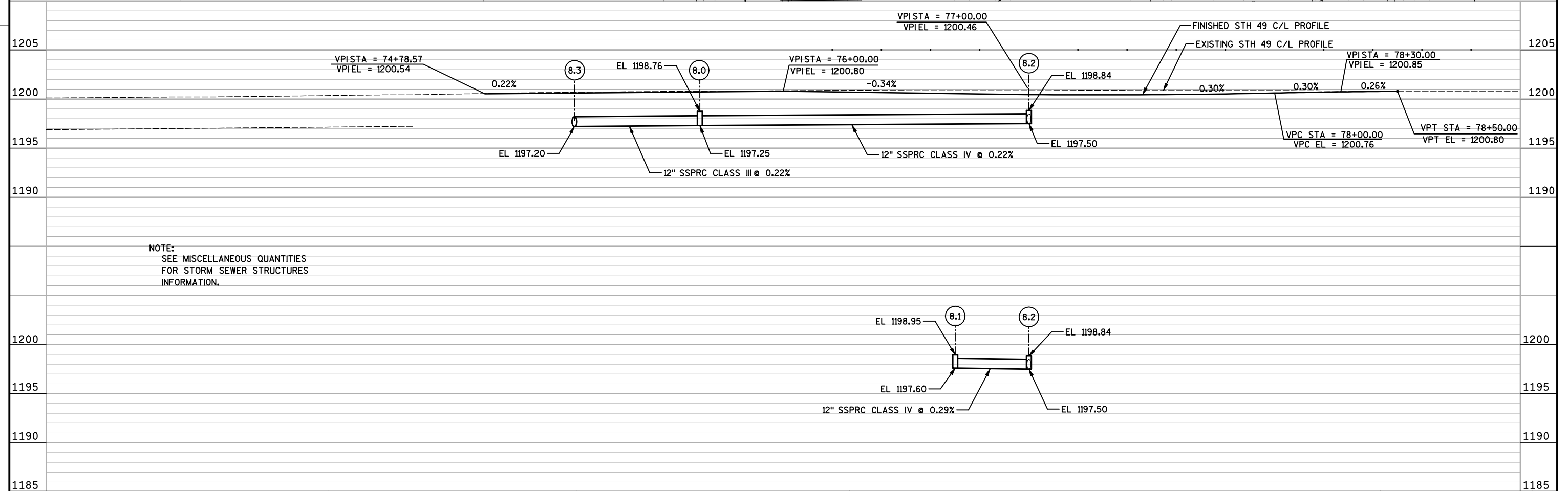
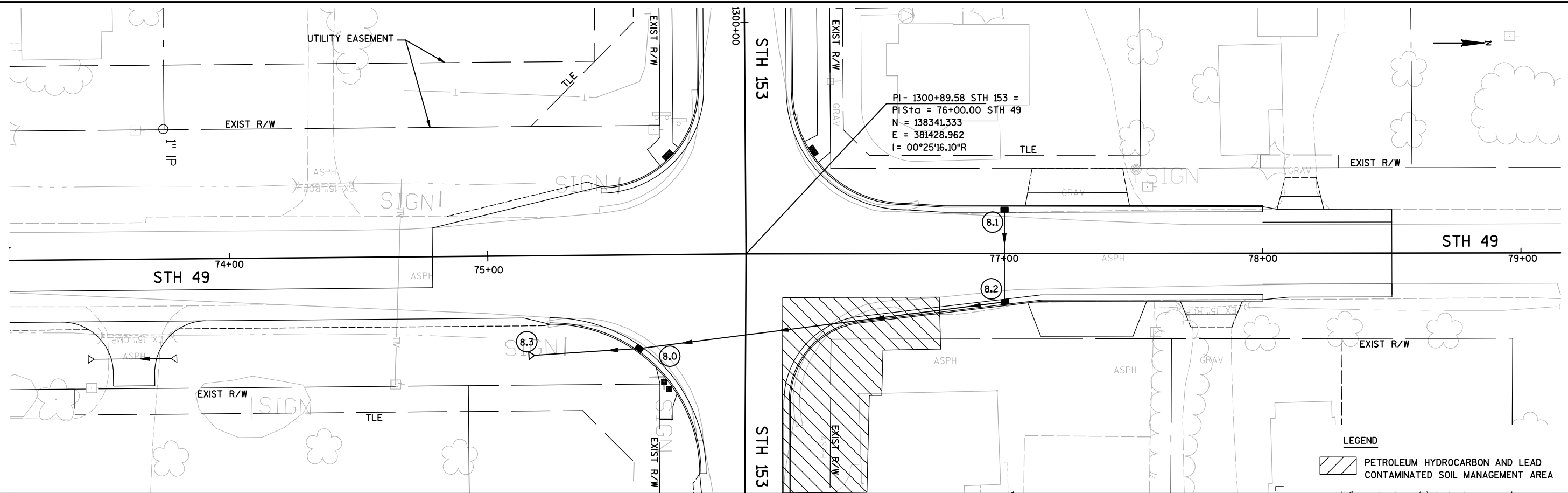
PLOT NAME :

PLOT SCALE : 2.0000 ft / IN.

WISDOT/CADDs SHEET 41

2

2 |



PROJECT NO: 6600-03-78

HWY: STH 153

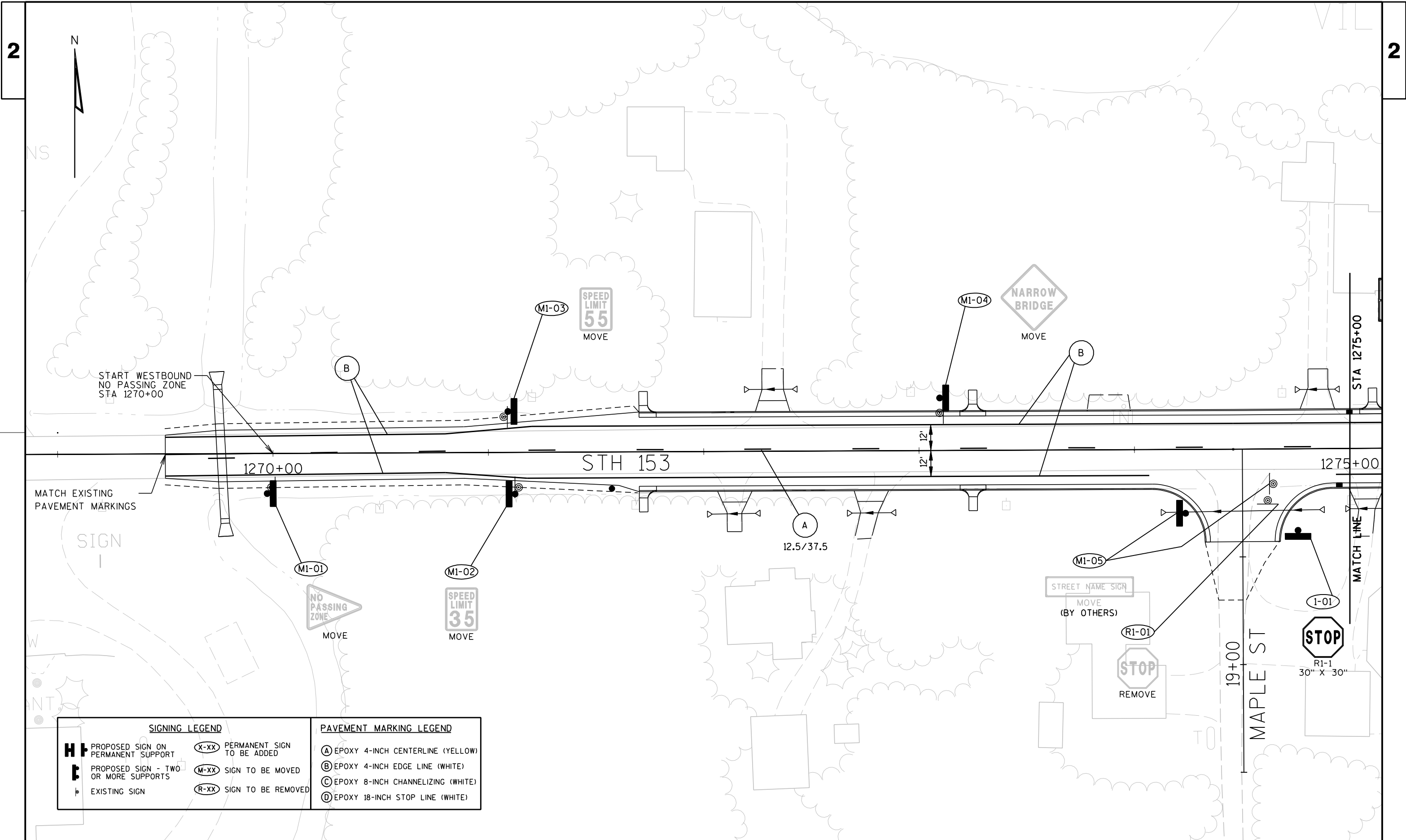
COUNTY: MARATHON

STORM SEWER

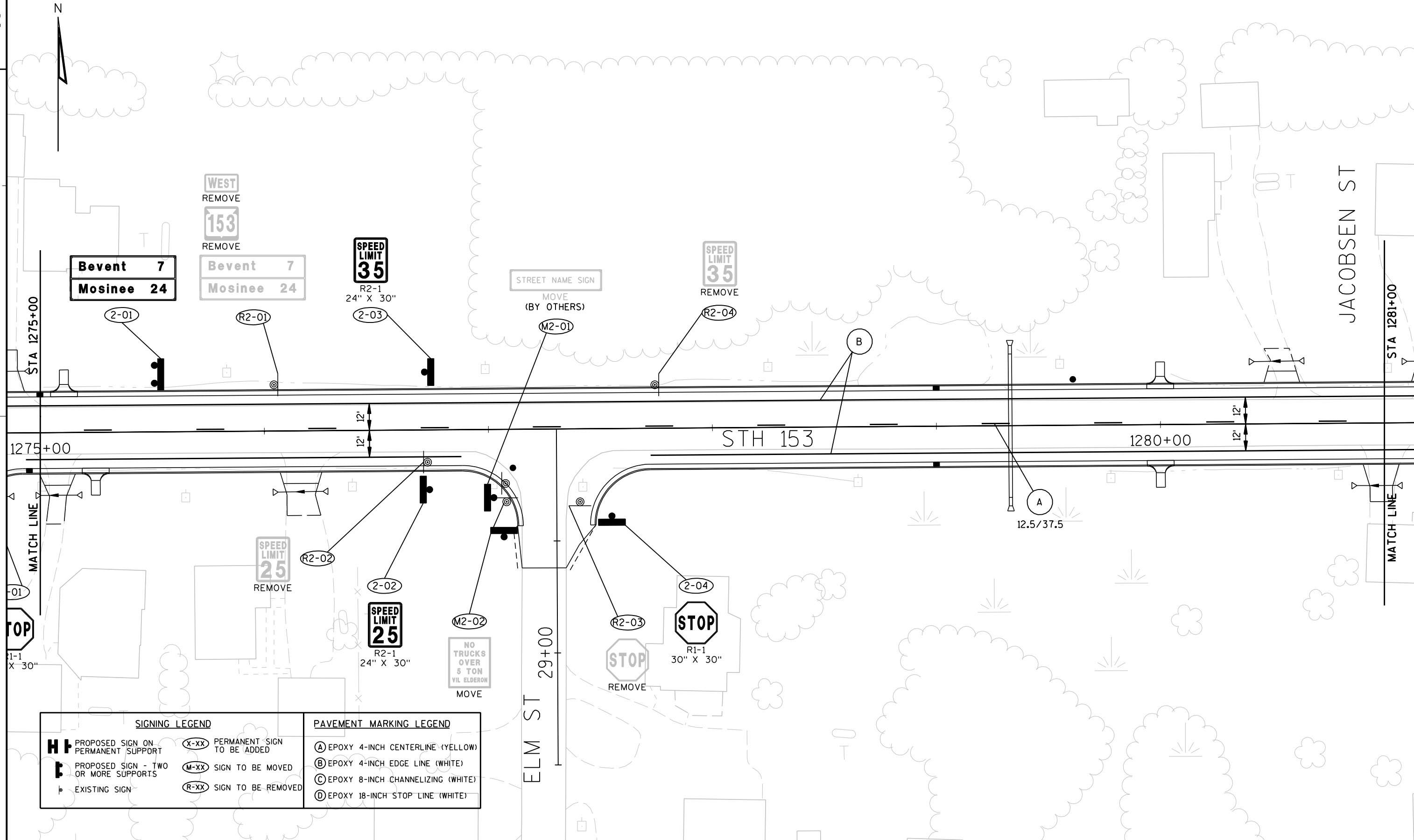
SHEET

98

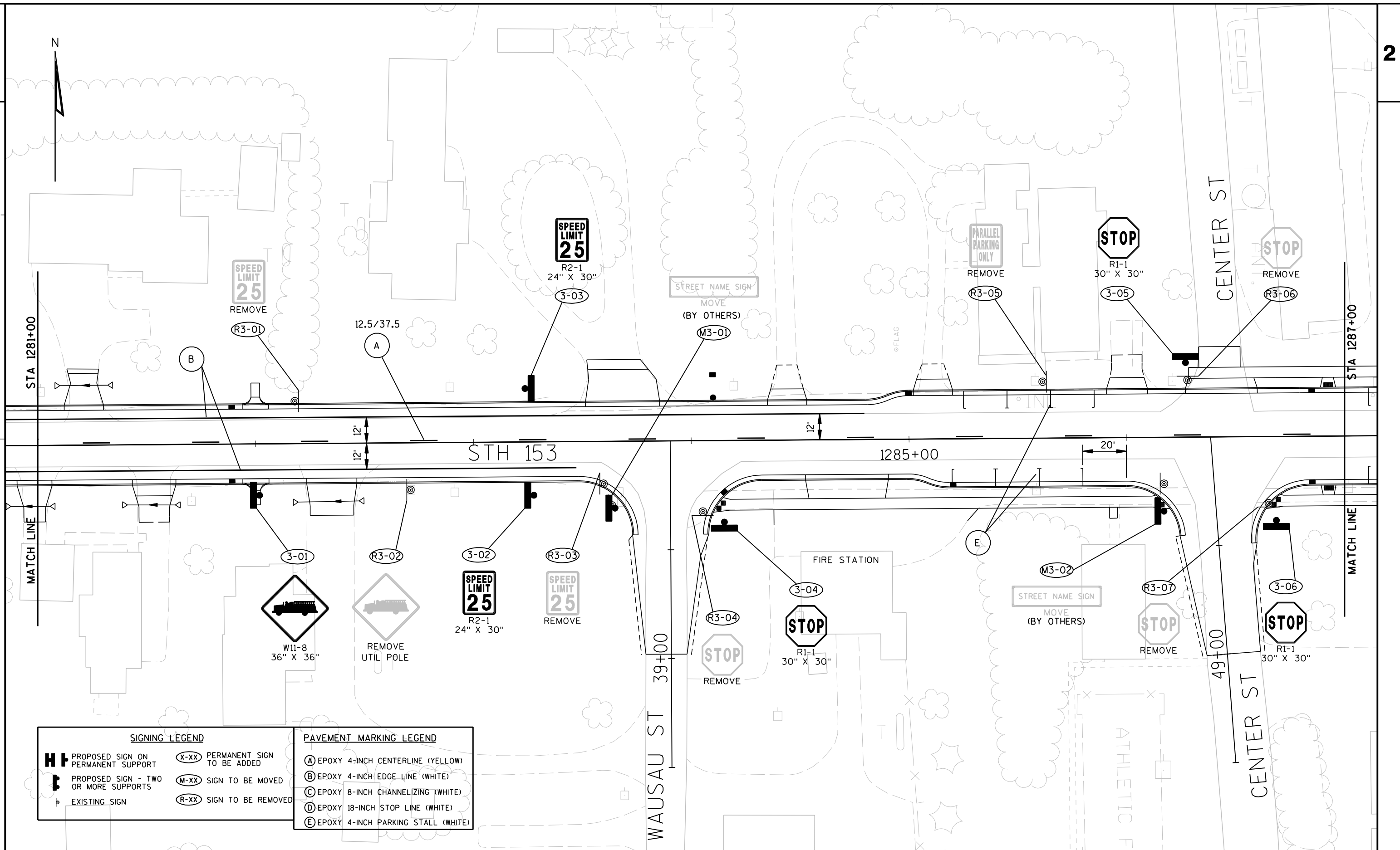
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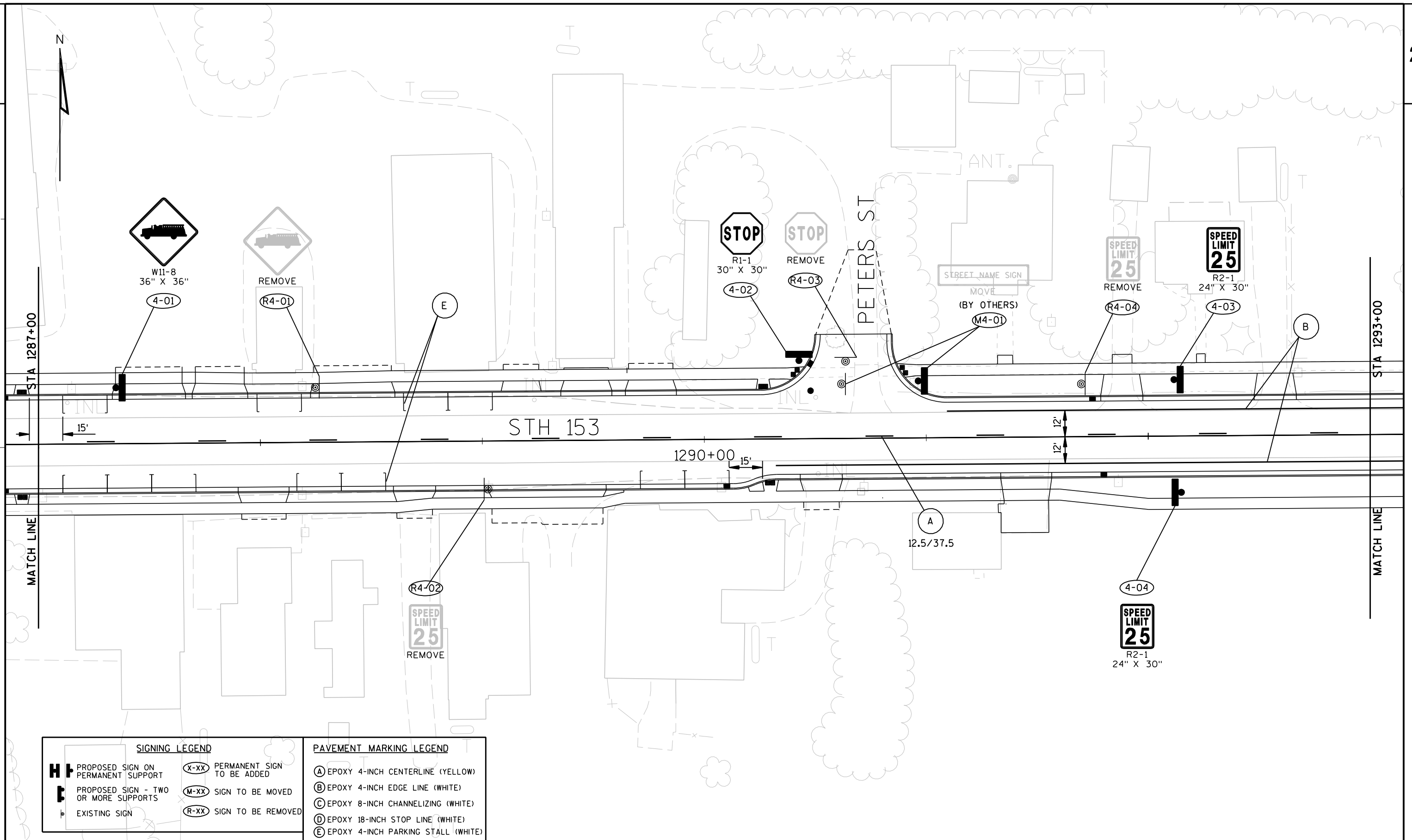


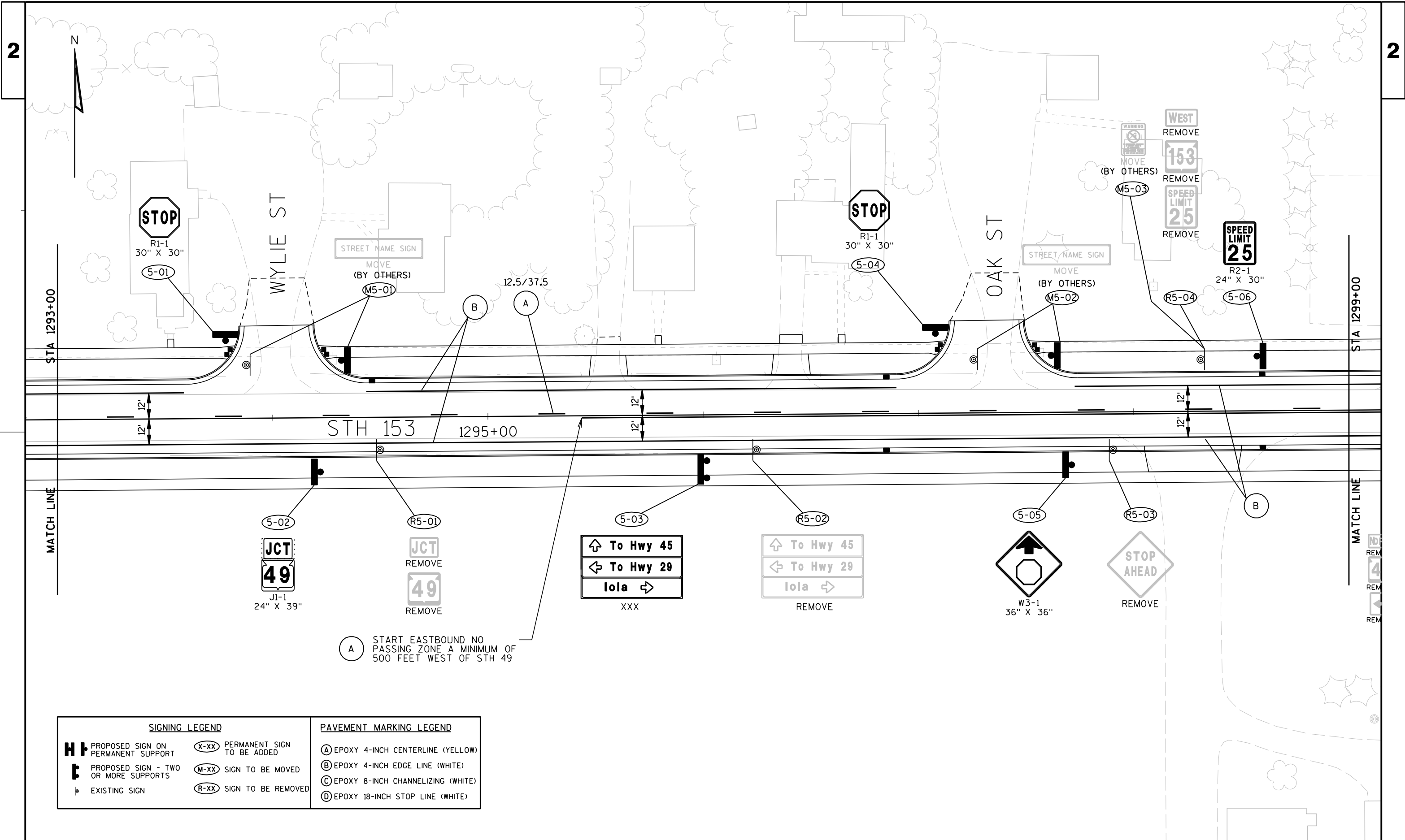
SIGNING LEGEND			PAVEMENT MARKING LEGEND	
	PROPOSED SIGN ON PERMANENT SUPPORT	PERMANENT SIGN TO BE ADDED		EPOXY 4-INCH CENTERLINE (YELLOW)
	PROPOSED SIGN - TWO OR MORE SUPPORTS	SIGN TO BE MOVED		EPOXY 4-INCH EDGE LINE (WHITE)
	EXISTING SIGN	SIGN TO BE REMOVED		EPOXY 8-INCH CHANNELIZING (WHITE)
				EPOXY 18-INCH STOP LINE (WHITE)



SIGNING LEGEND		PAVEMENT MARKING LEGEND	
PROPOSED SIGN ON PERMANENT SUPPORT	PERMANENT SIGN TO BE ADDED	EPOXY 4-INCH CENTERLINE (YELLOW)	
PROPOSED SIGN - TWO OR MORE SUPPORTS	SIGN TO BE MOVED	EPOXY 4-INCH EDGE LINE (WHITE)	
EXISTING SIGN	SIGN TO BE REMOVED	EPOXY 8-INCH CHANNELIZING (WHITE)	
		EPOXY 18-INCH STOP LINE (WHITE)	







SIGNING LEGEND		PAVEMENT MARKING LEGEND	
PROPOSED SIGN ON PERMANENT SUPPORT	PERMANENT SIGN TO BE ADDED	EPOXY 4-INCH CENTERLINE (YELLOW)	
PROPOSED SIGN - TWO OR MORE SUPPORTS	SIGN TO BE MOVED	EPOXY 4-INCH EDGE LINE (WHITE)	
EXISTING SIGN	SIGN TO BE REMOVED	EPOXY 8-INCH CHANNELIZING (WHITE)	
		EPOXY 18-INCH STOP LINE (WHITE)	

PROJECT NO:6600-03-78

HWY: STH 153

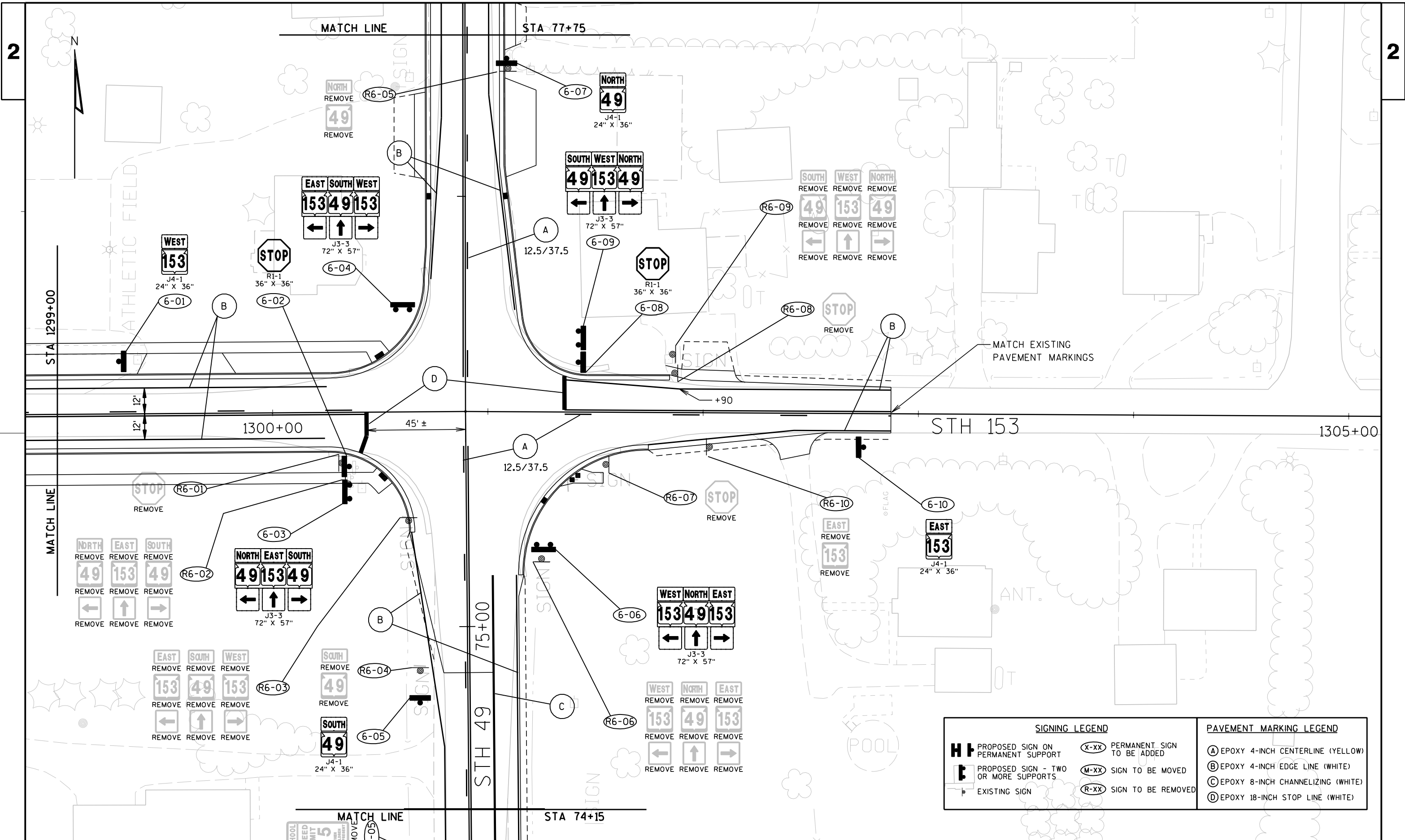
COUNTY: MARATHON

SIGNING AND MARKING PLAN

SHEET

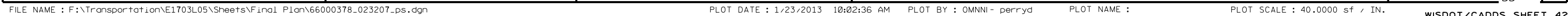
33

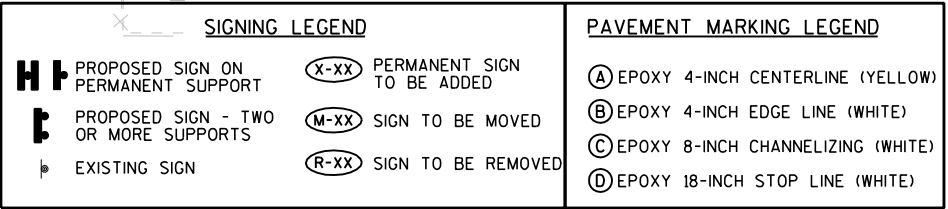
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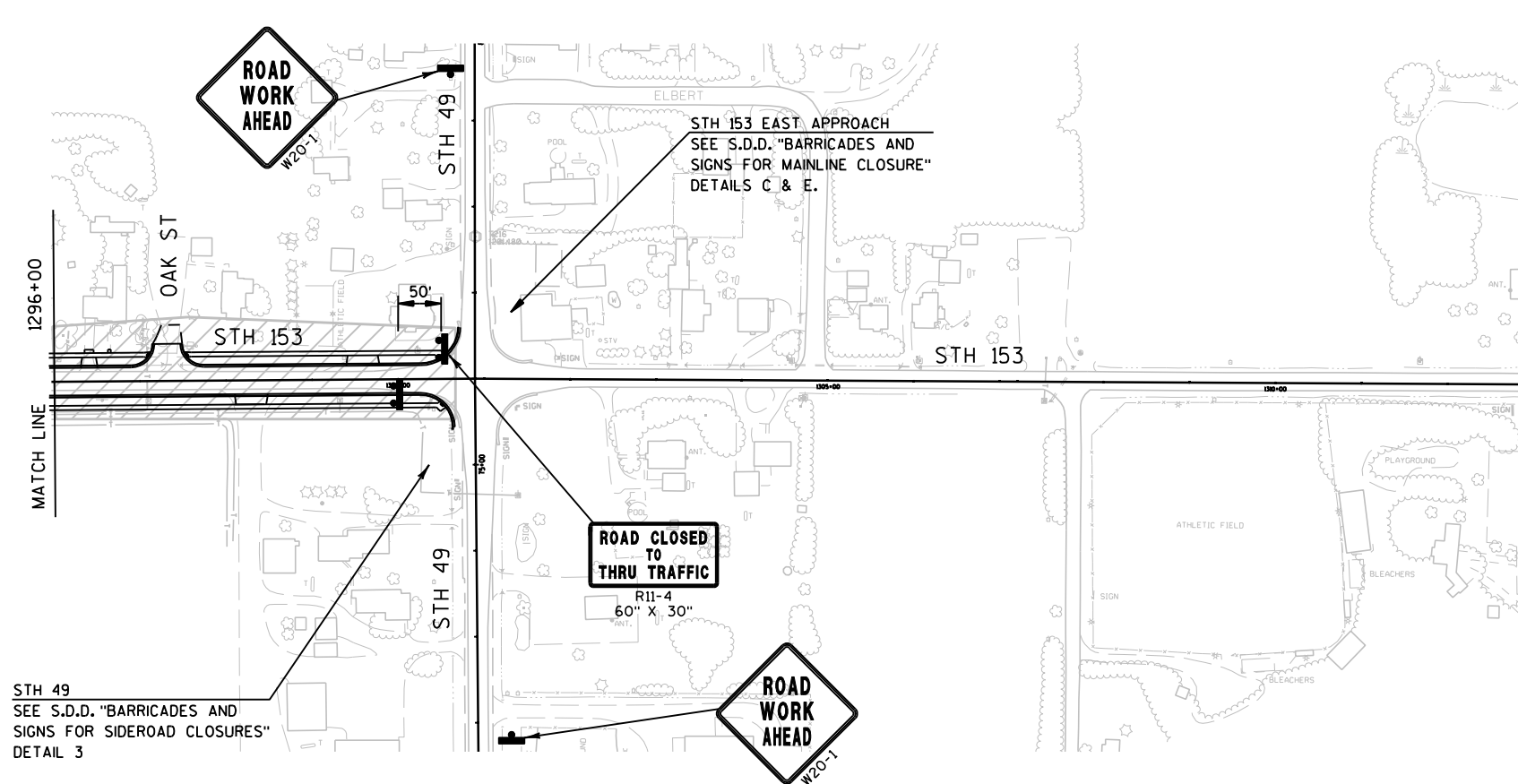
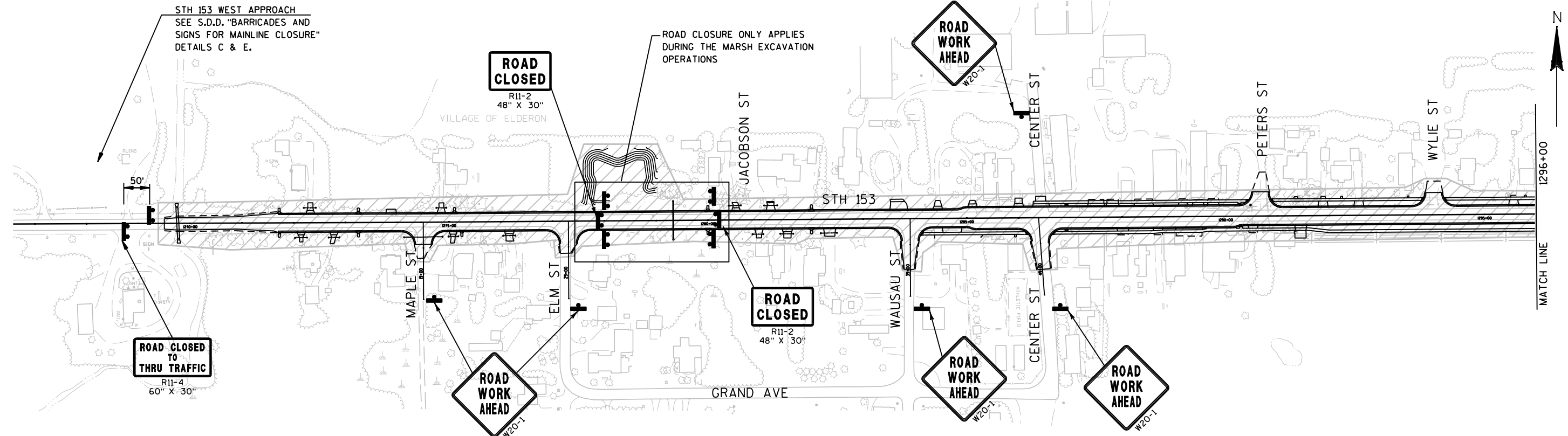


SIGNING LEGEND		PAVEMENT MARKING LEGEND	
	PROPOSED SIGN ON PERMANENT SUPPORT		PERMANENT SIGN TO BE ADDED
	PROPOSED SIGN - TWO OR MORE SUPPORTS		SIGN TO BE MOVED
	EXISTING SIGN		SIGN TO BE REMOVED

2







NOTES

WORK AREA

TRAFFIC CONTROL OVERVIEW

SEE STANDARD DETAIL DRAWINGS FOR ADDITIONAL TRAFFIC CONTROL REQUIREMENTS

PROJECT NO:6600-03-78

HWY:STH 153

COUNTY:MARATHON

TRAFFIC CONTROL - OVERVIEW STAGE 1

SHEET

37

E

FILE NAME : F:\Transportation\E1703L05\Sheets\Final Plan\66000378_025001.fc.dgn

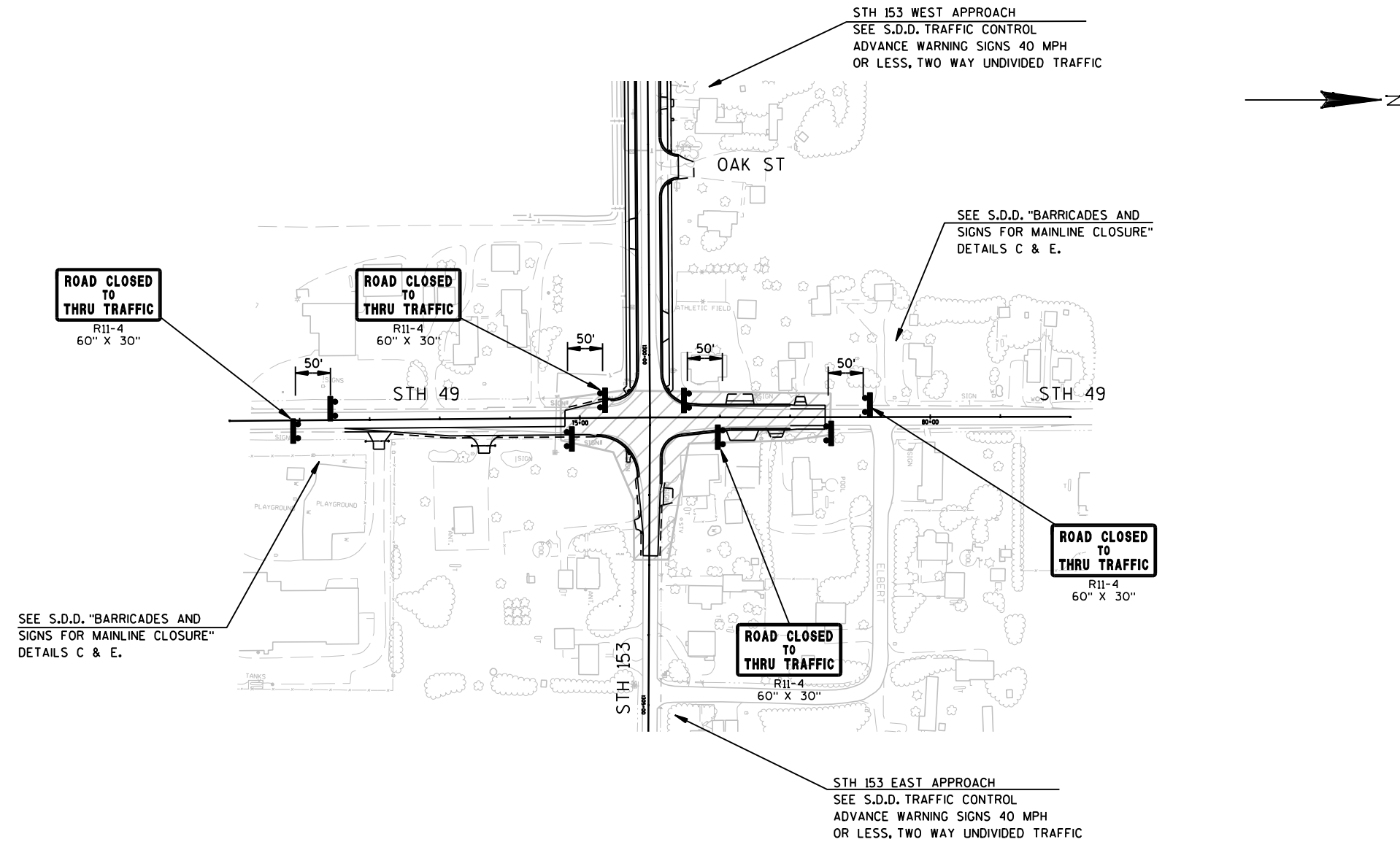
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PLOT BY : OMNI - perryd

PLOT NAME :

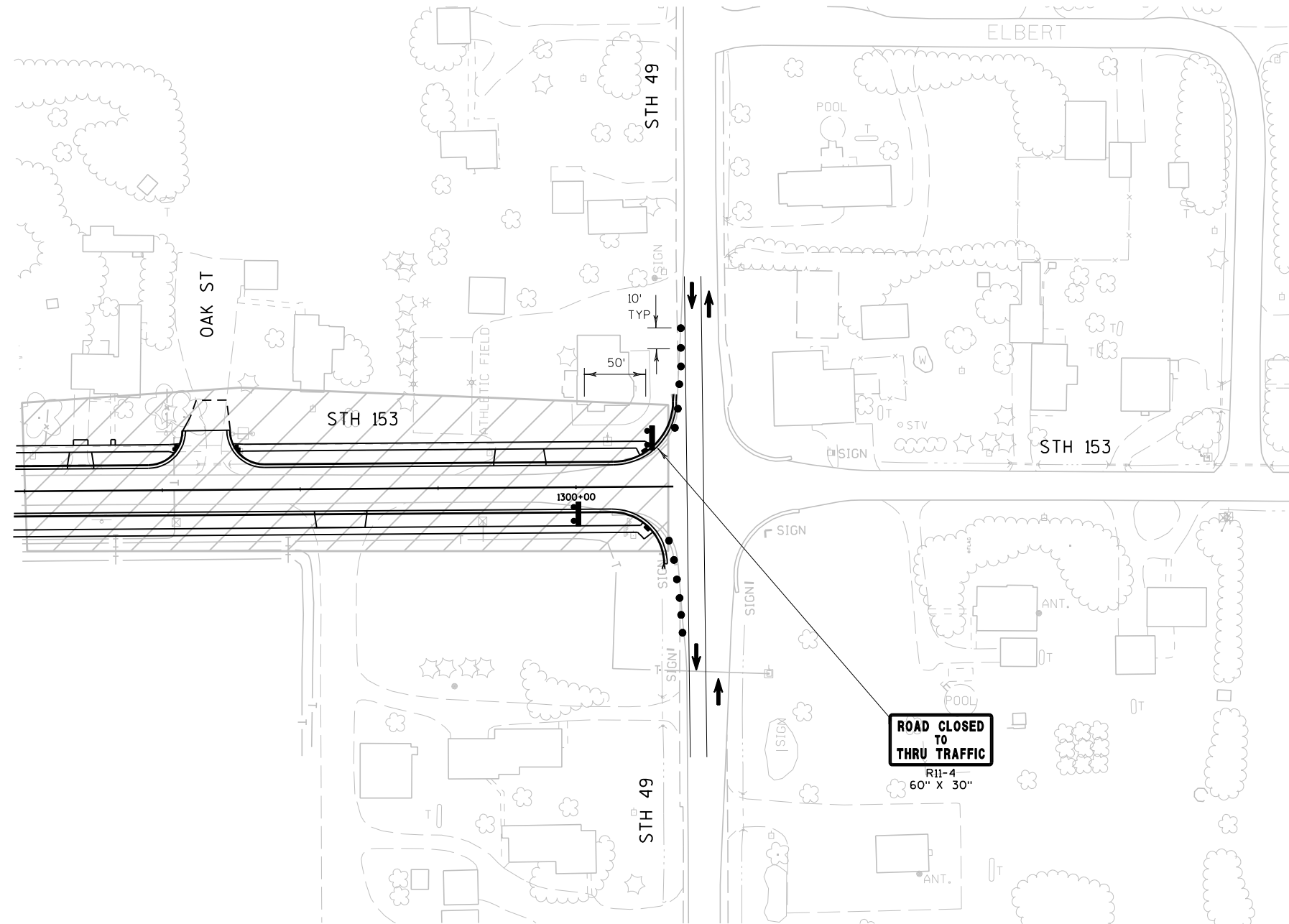
PLOT SCALE : 200.0000 sf / IN.

WISDOT/CADDs SHEET 42



TRAFFIC CONTROL OVERVIEW

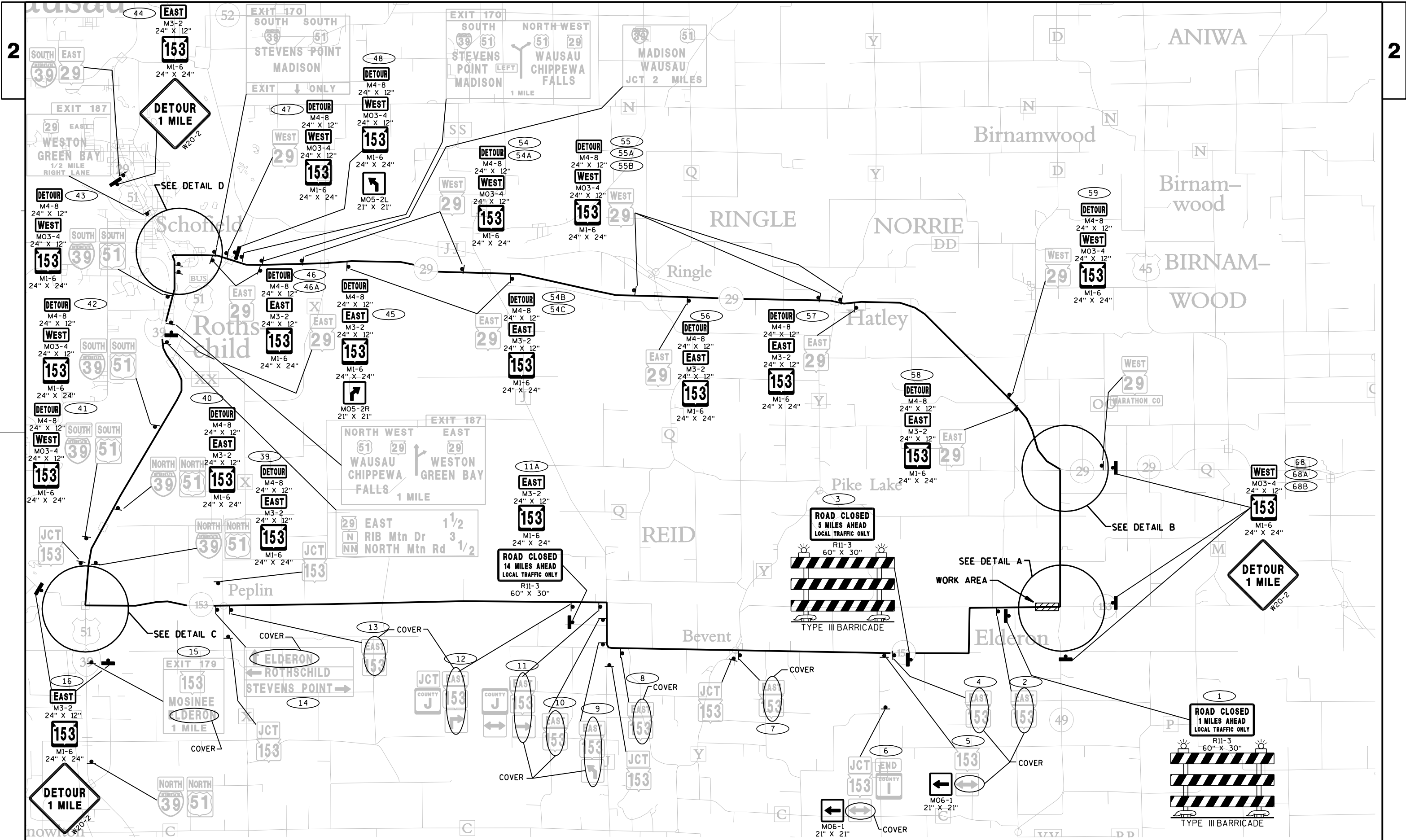
SEE STANDARD DETAIL DRAWINGS FOR ADDITIONAL TRAFFIC CONTROL REQUIREMENTS



LEGEND

- DRUM
- BARRICADE TYPE III
- TRAFFIC FLOW ARROW
- ▨ WORK AREA

TRAFFIC CONTROL INTERSECTION DETAIL
STH 153 / STH 49 - STAGE 1



PROJECT NO:6600-03-78

HWY:STH 153

COUNTY:MARATHON

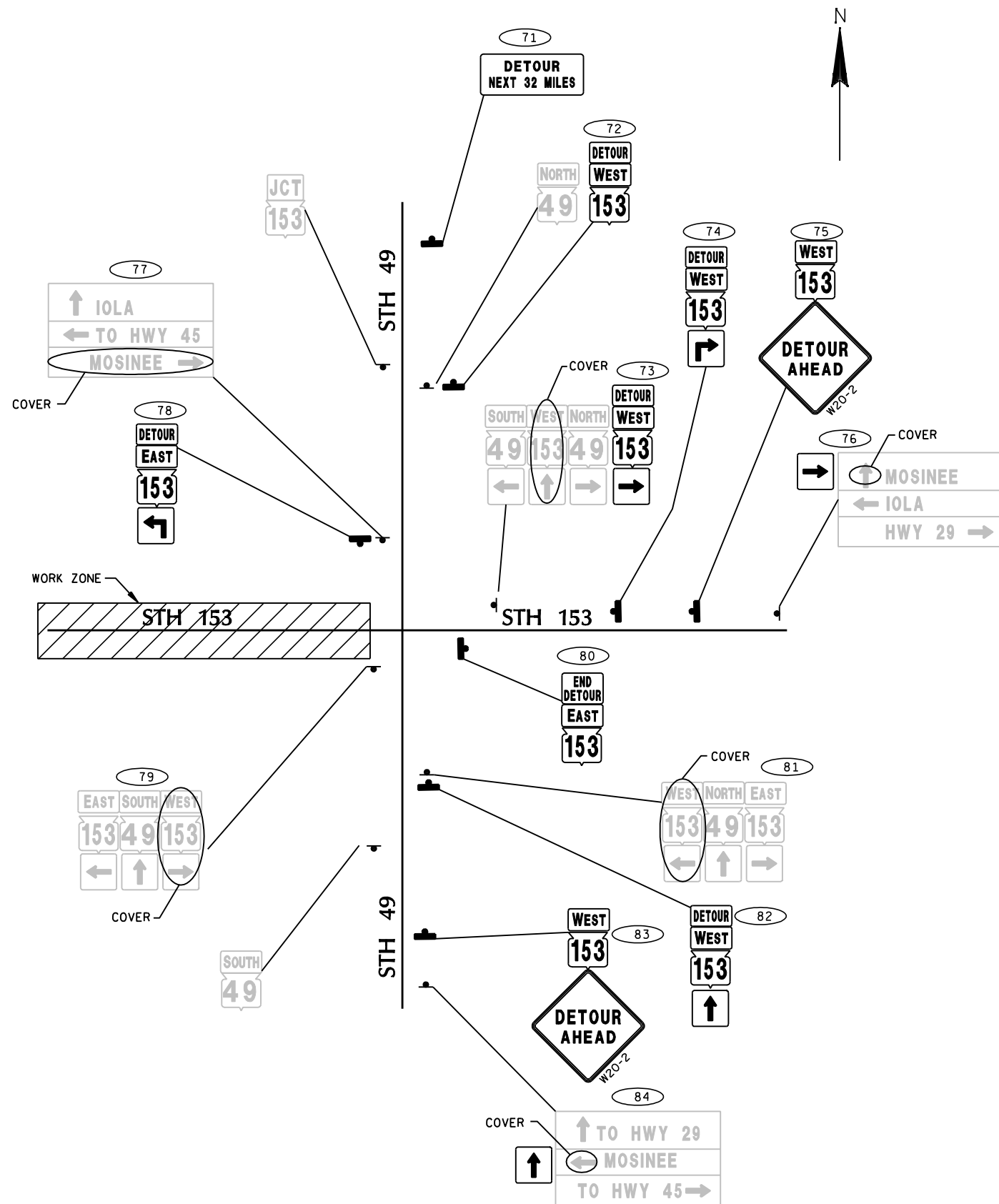
STH 153 DETOUR ROUTE

SHEET

40

E

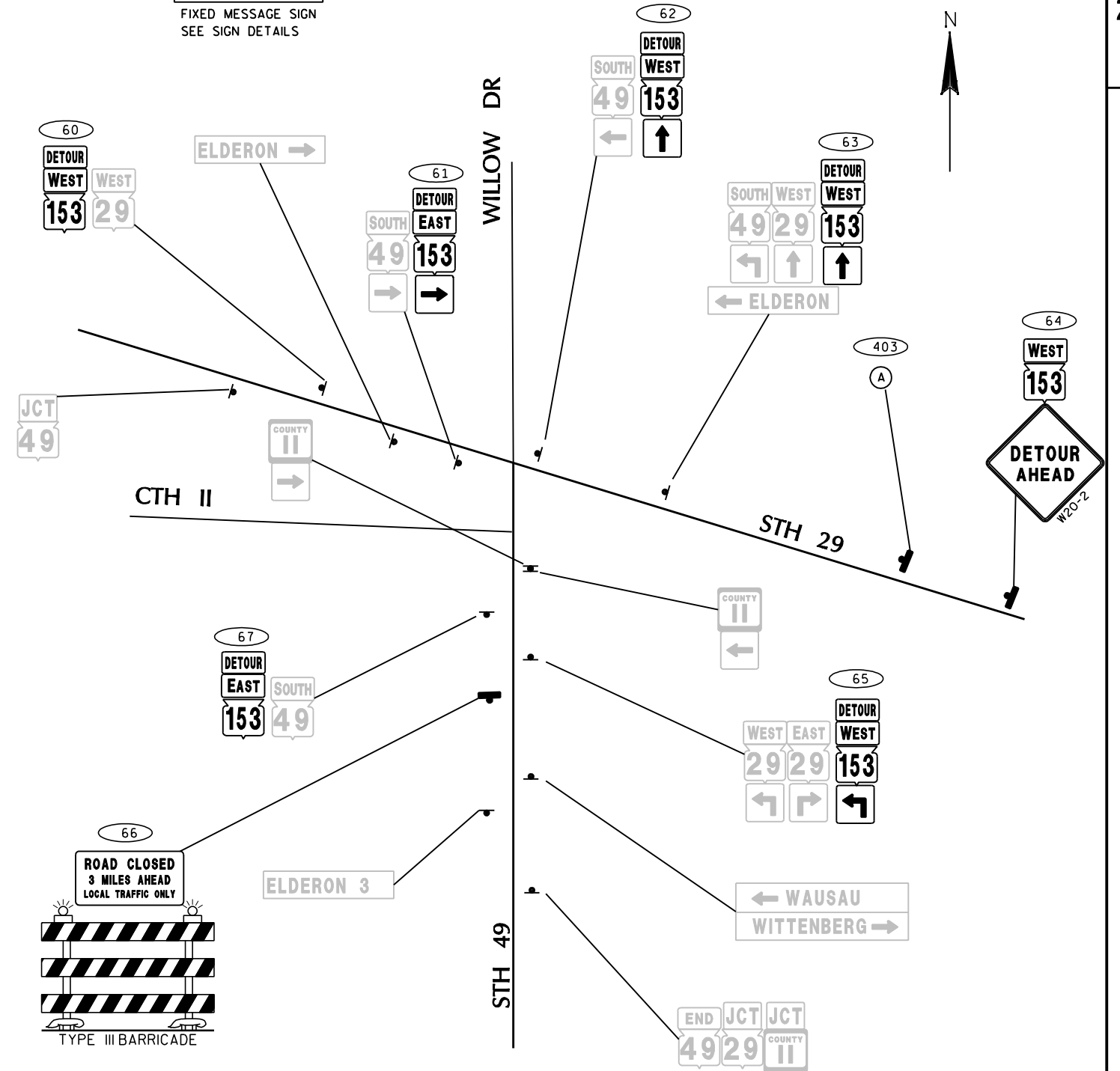
2



DETAIL A

Ⓐ

HWY 153 CLOSED
AT ELDERON
FIXED MESSAGE SIGN
SEE SIGN DETAILS



DETAIL B

PROJECT NO:6600-03-78

HWY:STH 153

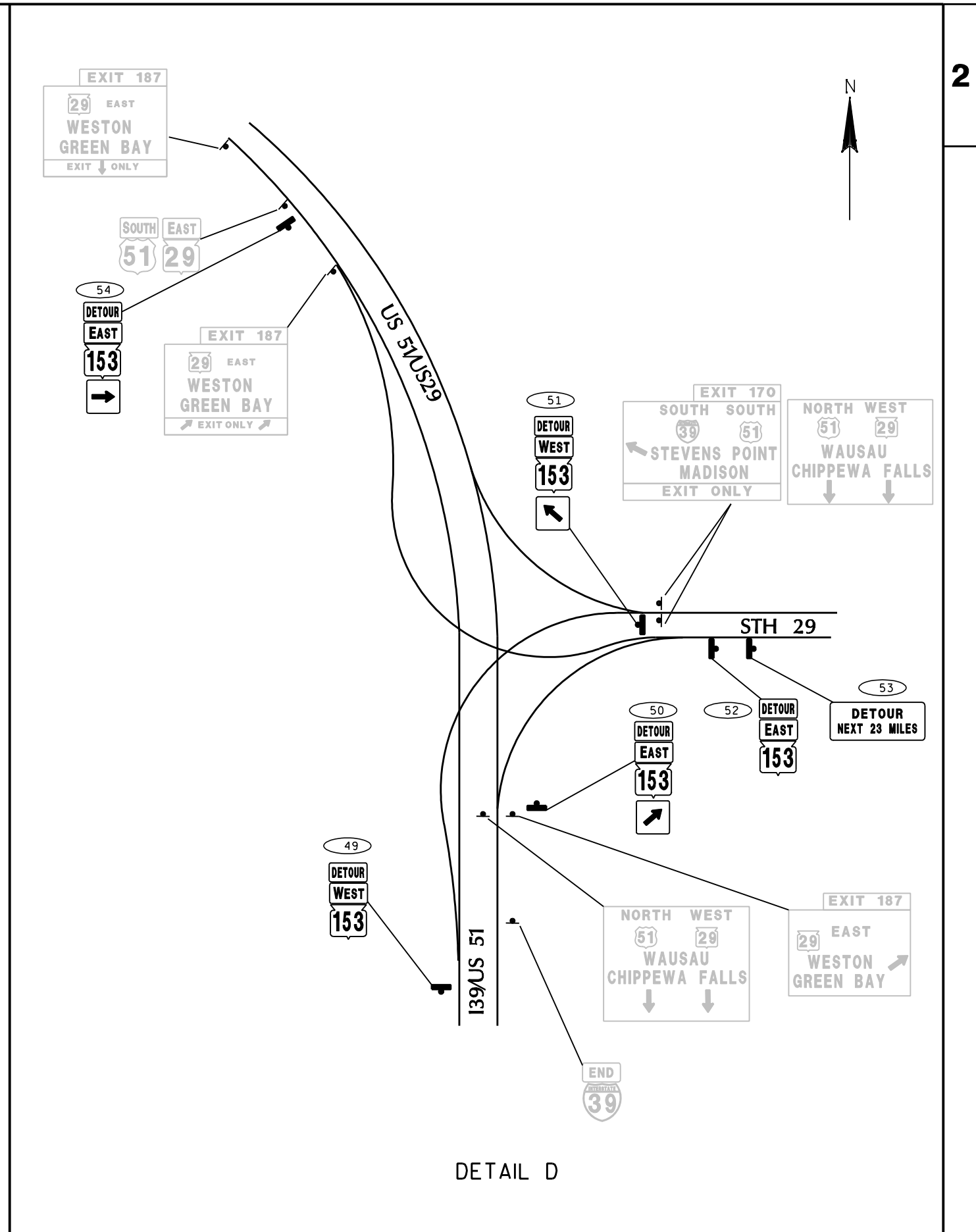
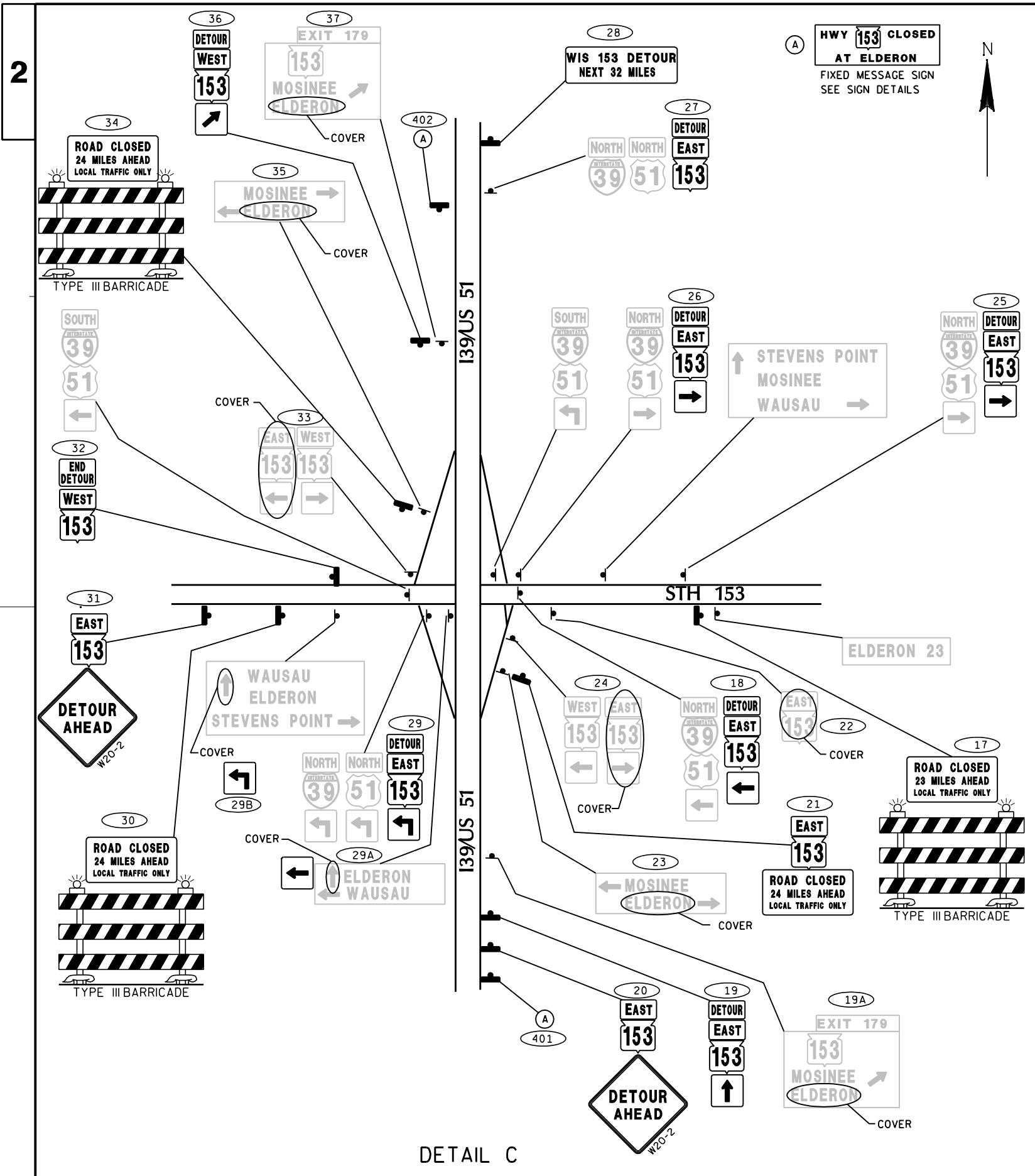
COUNTY: MARATHON

STH 153 DETOUR ROUTE - INTERSECTION DETAILS

SHEET

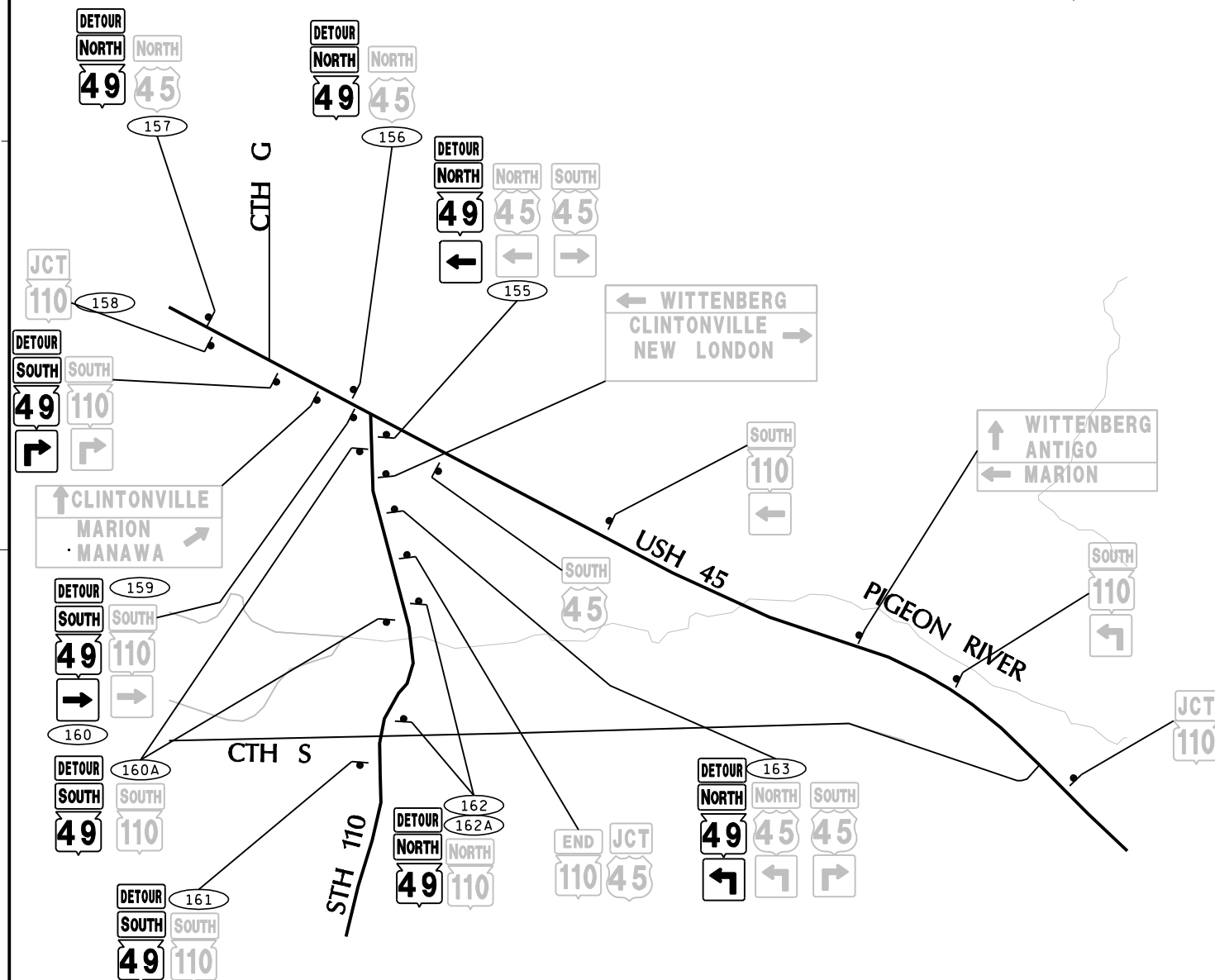
1

3

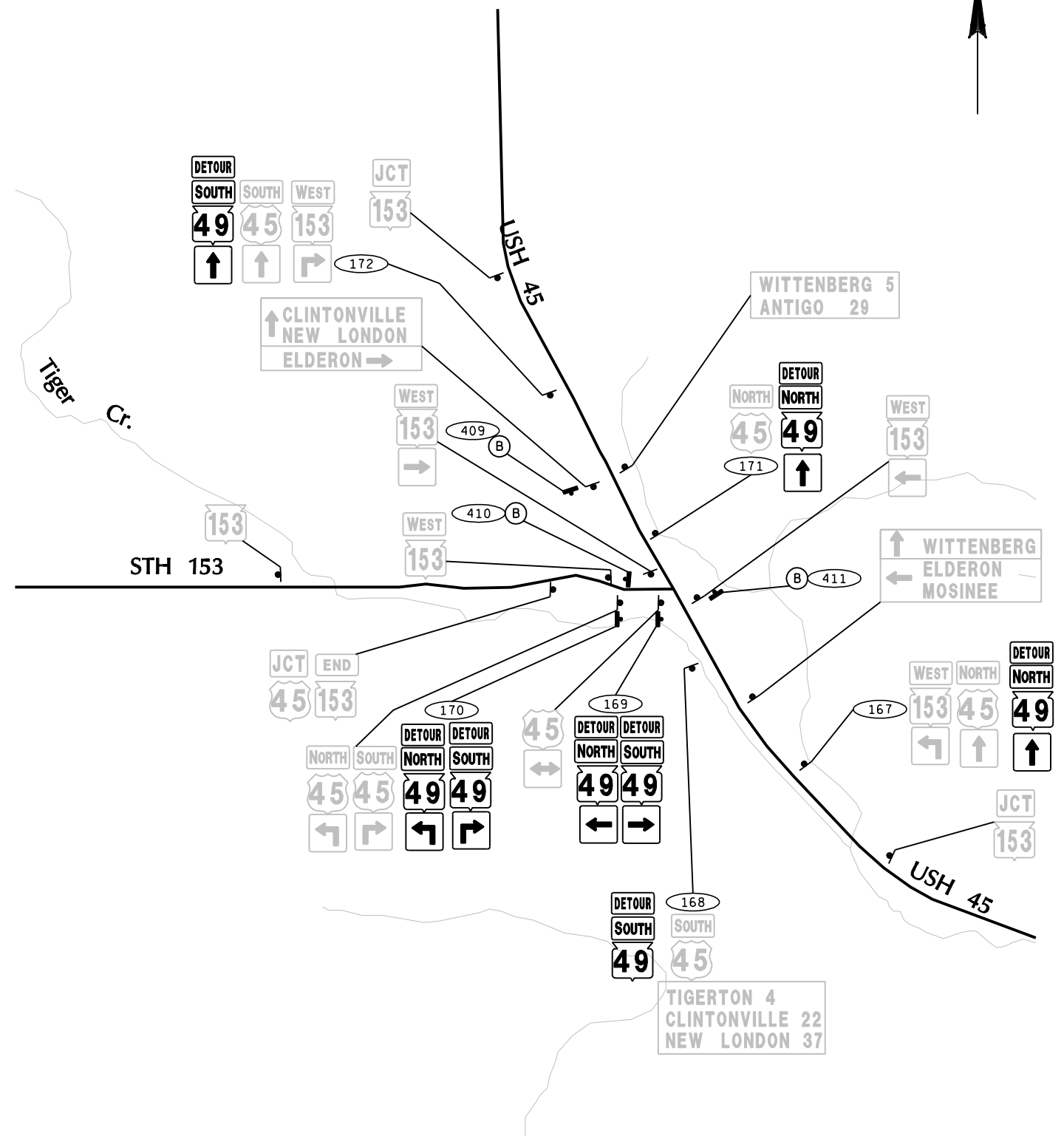




**HWY 49 CLOSED
AT ELDERON**
FIXED MESSAGE SIGN
SEE SIGN DETAILS



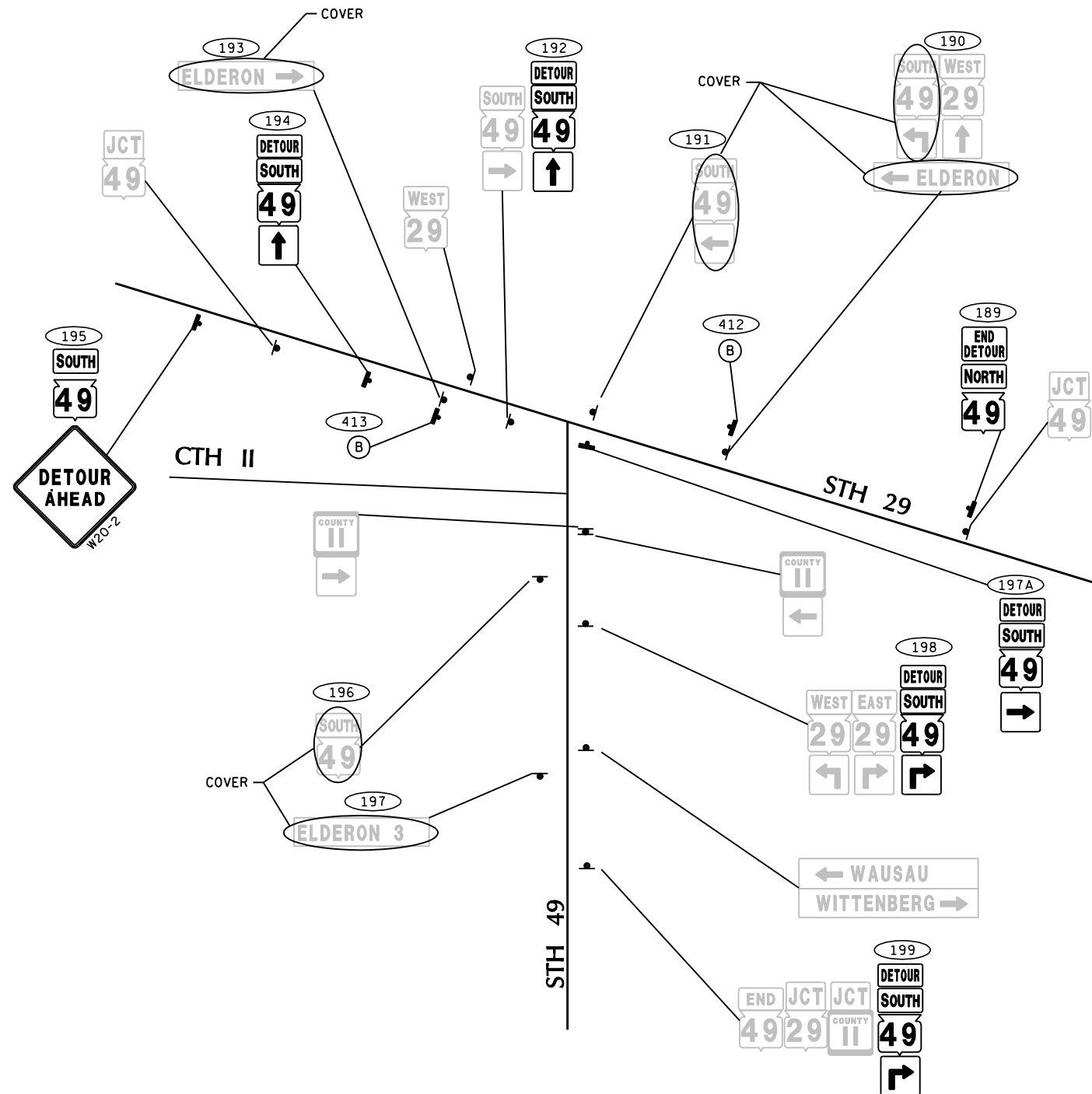
DETAIL G - MARION



DETAIL H

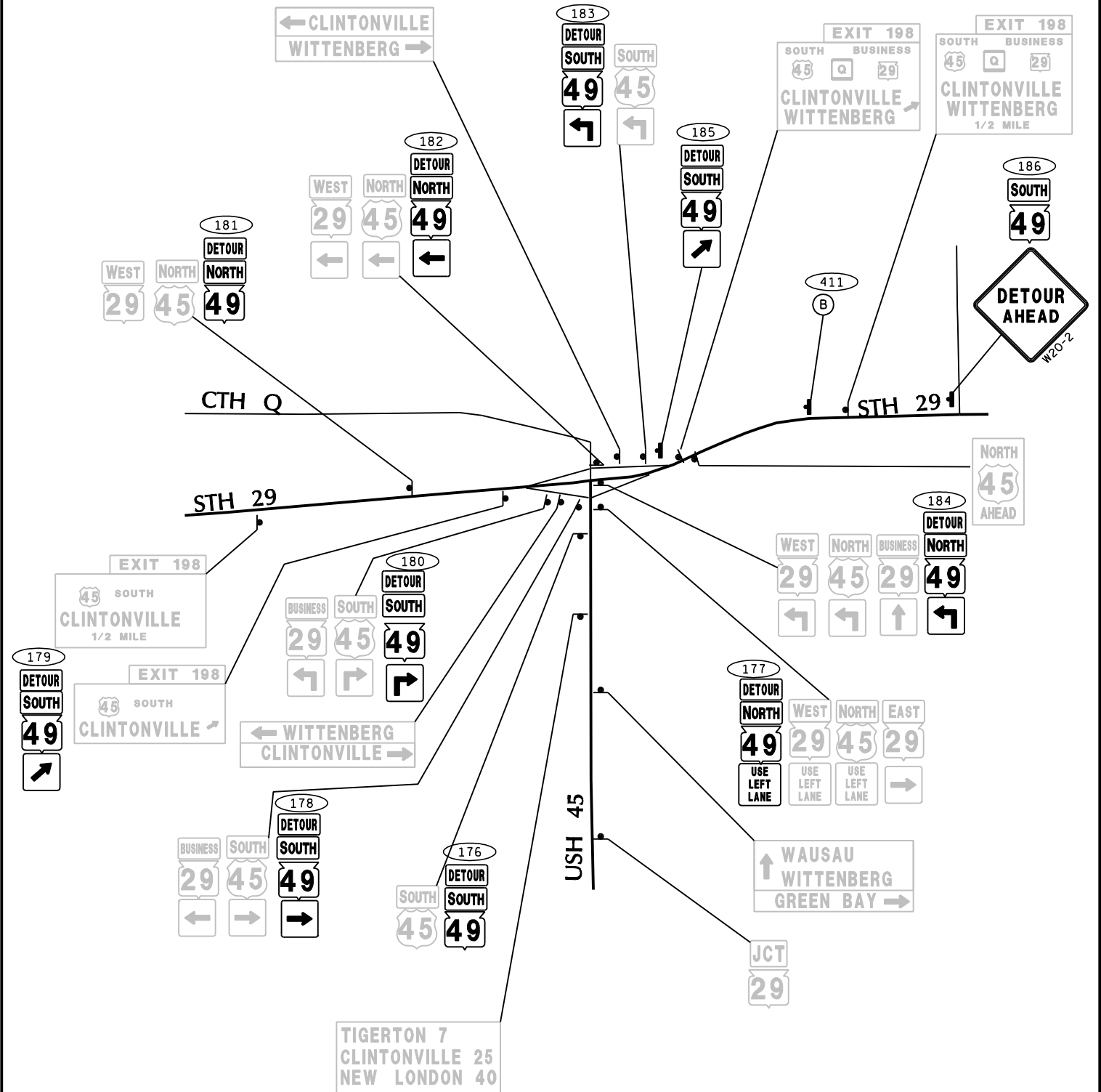
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HWY 49 CLOSED
AT ELDERON
FIXED MESSAGE SIGN
SEE SIGN DETAILS



DETAIL K

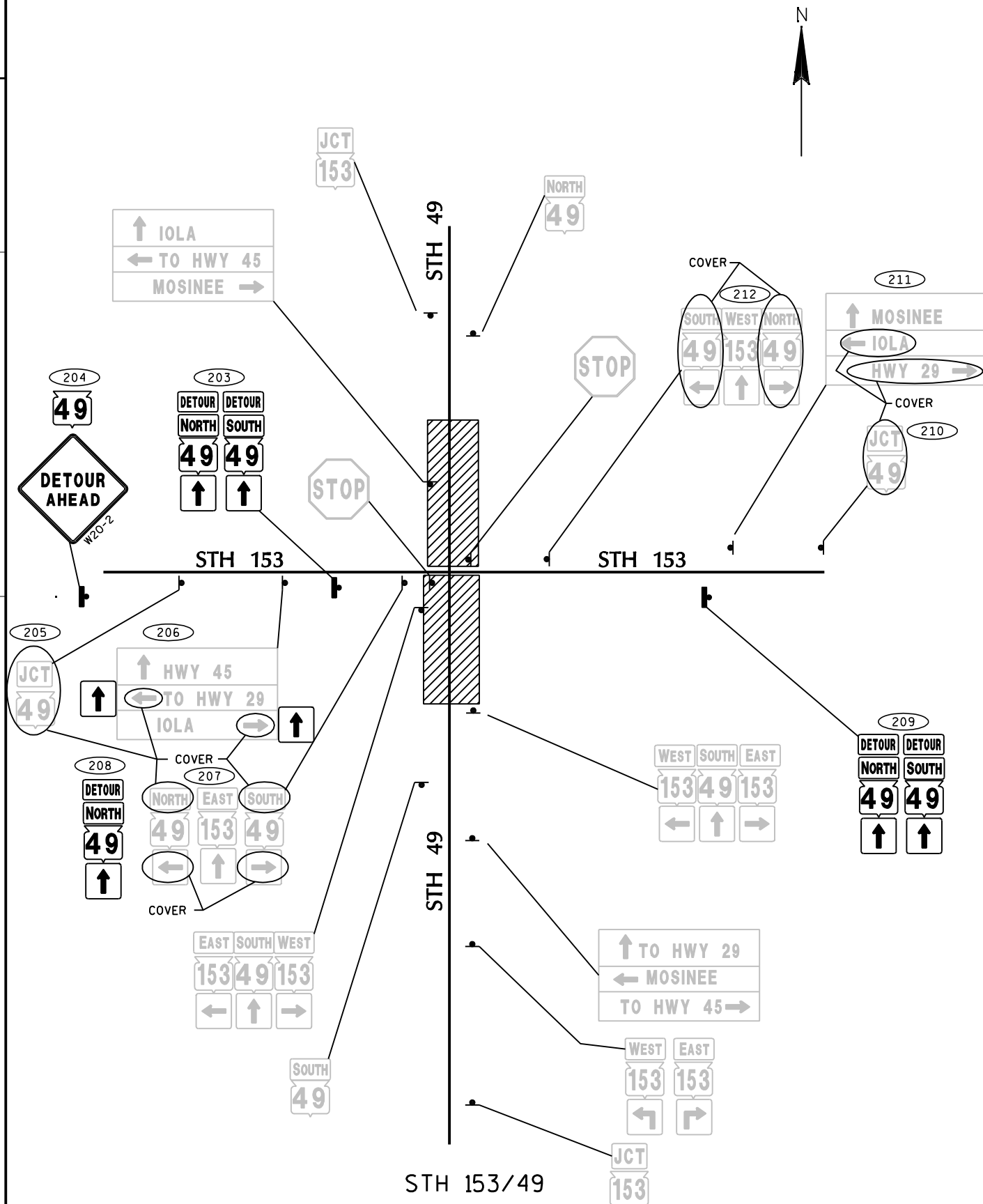
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DETAIL J

2

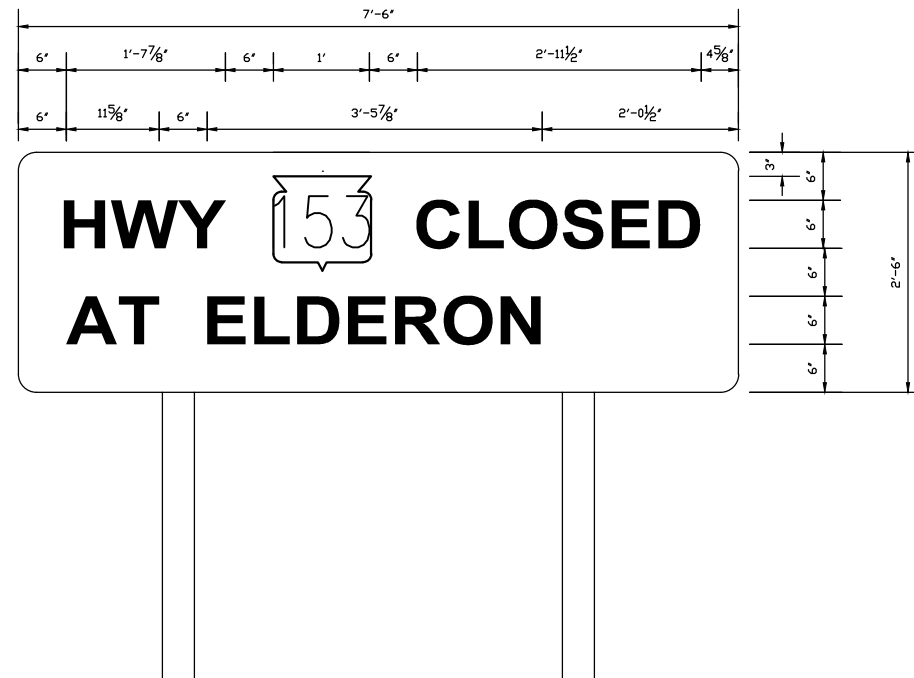
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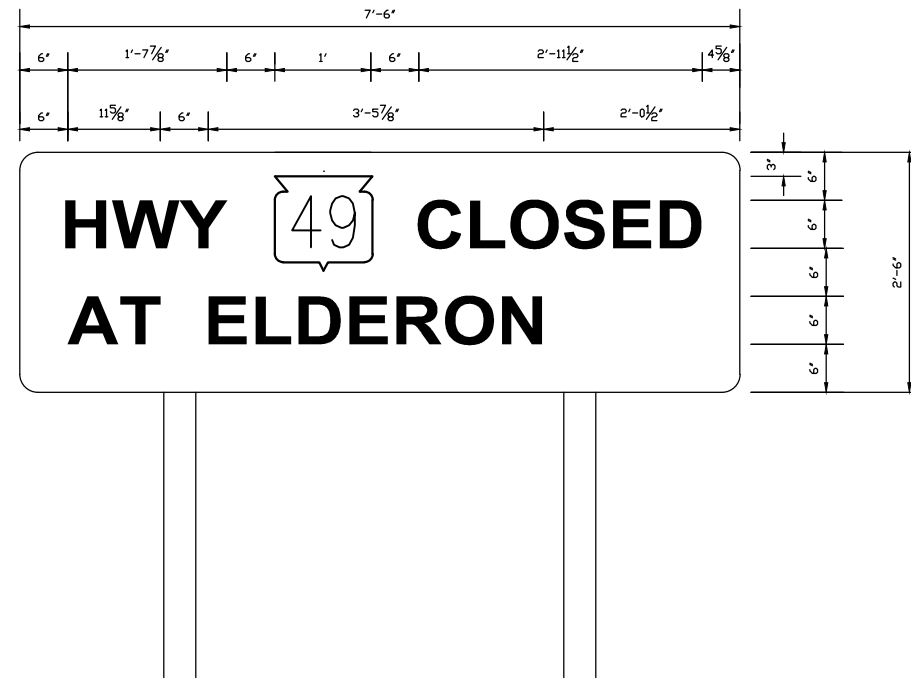
FIXED MESSAGE SIGNS (DETAIL SHEETS)

1. ALL SIGNS TO HAVE STANDARD REFLECTIVE SHEETING - REFERENCE: "WISDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," LATEST EDITION.
2. AFTER SIGNS HAVE BEEN LOCATED IN THE FILED, BUT BEFORE INSTALLATION, THE SIGNING AND MARKING SUPERVISOR SHALL VERIFY EACH SIGN LOCATION.
3. ALL SIGNS TO BE MOUNTED ON WOODEN POST SUPPORTS (4"X6"). THE NUMBER OF POST REQUIRED FOR EACH LAYOUT IS SHOWN.
4. SIGNS ON THIS SHEET TO BE PAID UNDER THE ITEM "FIXED MESSAGE SIGNS."
5. SIGNS SHALL BE BLACK NON-REFLECTIVE MESSAGE ON ORANGE REFLECTIVE BACKGROUND PER SPEC 643.2.9.3.
6. ALL SIGNS SHALL HAVE CAPITAL LETTERS AND NUMERALS:
12" CAPS SHALL BE SERIES "D"
6" CAPS SHALL BE SERIES "C"
7. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO ENGINEER FOR REVIEW PRIOR TO MANUFACTURING.
8. SIGN BASE MATERIAL SHALL BE ACCORDING TO SECTION 643.2.9.3 (FIXED MESSAGE SIGNS).

XXX = SIGN NUMBER



A



B

3

DATE 14MAR13		E S T I M A T E O F Q U A N T I T I E S			
LINE		6600-03-78			
NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	QUANTITY
0010	201.0105	CLEARING	STA	16.000	16.000
0020	201.0120	CLEARING	ID	14.000	14.000
0030	201.0205	GRUBBING	STA	16.000	16.000
0040	201.0220	GRUBBING	ID	24.000	24.000
0050	203.0100	REMOVING SMALL PIPE CULVERTS	EACH	22.000	22.000
0060	204.0100	REMOVING PAVEMENT	SY	20.000	20.000
0070	204.0150	REMOVING CURB & GUTTER	LF	282.000	282.000
0080	204.0155	REMOVING CONCRETE SIDEWALK	SY	252.000	252.000
0090	204.0220	REMOVING INLETS	EACH	4.000	4.000
0100	204.0245	REMOVING STORM SEWER (SIZE) 01. 12-INCH	LF	1,785.000	1,785.000
0110	205.0100	EXCAVATION COMMON	CY	17,303.000	17,303.000
0120	205.0400	EXCAVATION MARSH	CY	5,152.000	5,152.000
0130	208.1100	SELECT BORROW	CY	8,296.000	8,296.000
0140	213.0100	FINISHING ROADWAY (PROJECT) 01. 6600-03-78	EACH	1.000	1.000
0150	305.0110	BASE AGGREGATE DENSE 3/4-INCH	TON	400.000	400.000
0160	305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	14,850.000	14,850.000
0170	416.0160	CONCRETE DRIVEWAY 6-INCH	SY	545.000	545.000
0180	416.1010	CONCRETE SURFACE DRAINS	CY	5.000	5.000
0190	440.4410.S	INCENTIVE IRI RIDE	DOL	3,050.000	3,050.000
0200	455.0105	ASPHALTIC MATERIAL PG58-28	TON	227.000	227.000
0210	455.0605	TACK COAT	GAL	383.000	383.000
0220	460.1101	HMA PAVEMENT TYPE E-1	TON	4,126.000	4,126.000
0230	460.2000	INCENTIVE DENSITY HMA PAVEMENT	DOL	2,645.000	2,645.000
0240	465.0120	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	TON	140.000	140.000
0250	521.1012	APRON ENDWALLS FOR CULVERT PIPE STEEL 12-INCH	EACH	22.000	22.000
0260	521.1018	APRON ENDWALLS FOR CULVERT PIPE STEEL 18-INCH	EACH	4.000	4.000
0270	522.0112	CULVERT PIPE REINFORCED CONCRETE CLASS III 12-INCH	LF	72.000	72.000
0280	522.0118	CULVERT PIPE REINFORCED CONCRETE CLASS III 18-INCH	LF	64.000	64.000
0290	522.0148	CULVERT PIPE REINFORCED CONCRETE CLASS III 48-INCH	LF	60.000	60.000
0300	522.1012	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH	EACH	5.000	5.000
0310	522.1015	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 15-INCH	EACH	1.000	1.000
0320	522.1018	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH	EACH	3.000	3.000
0330	522.1048	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 48-INCH	EACH	2.000	2.000
0340	523.0524	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 24X38-INCH	EACH	1.000	1.000
0350	530.0112	CULVERT PIPE CORRUGATED POLYETHYLENE 12-INCH	LF	218.000	218.000
0360	530.0118	CULVERT PIPE CORRUGATED POLYETHYLENE 18-INCH	LF	54.000	54.000
0370	601.0110	CONCRETE CURB TYPE D	LF	20.000	20.000
0380	601.0411	CONCRETE CURB & GUTTER 30-INCH TYPE D	LF	6,737.000	6,737.000
0390	602.0405	CONCRETE SIDEWALK 4-INCH	SF	12,800.000	12,800.000
0400	602.0515	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	SF	480.000	480.000

3

3

DATE 14MAR13		E S T I M A T E O F Q U A N T I T I E S			
LINE				6600-03-78	
NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	QUANTITY
0410	602.1500	CONCRETE STEPS	SF	35.000	35.000
0420	606.0200	RIPRAP MEDIUM	CY	2.000	2.000
0430	607.0408	STORM SEWER PIPE COMPOSITE 8-INCH	LF	15.000	15.000
0440	608.0312	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH	LF	293.000	293.000
0450	608.0315	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH	LF	305.000	305.000
0460	608.0318	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH	LF	359.000	359.000
0470	608.0412	STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH	LF	372.000	372.000
0480	610.0114	STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 14X23-INCH	LF	175.000	175.000
0490	610.0124	STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 24X38-INCH	LF	1,108.000	1,108.000
0500	610.0419	STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 19X30-INCH	LF	237.000	237.000
0510	610.0424	STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 24X38-INCH	LF	395.000	395.000
0520	611.0530	MANHOLE COVERS TYPE J	EACH	5.000	5.000
0530	611.0624	INLET COVERS TYPE H	EACH	13.000	13.000
0540	611.0639	INLET COVERS TYPE H-S	EACH	10.000	10.000
0550	611.0642	INLET COVERS TYPE MS	EACH	1.000	1.000
0560	611.2004	MANHOLES 4-FT DIAMETER	EACH	4.000	4.000
0570	611.2006	MANHOLES 6-FT DIAMETER	EACH	8.000	8.000
0580	611.3230	INLETS 2X3-FT	EACH	16.000	16.000
0590	611.3901	INLETS MEDIAN 1 GRATE	EACH	1.000	1.000
0600	619.1000	MOBILIZATION	EACH	1.000	1.000
0610	621.0100	LANDMARK REFERENCE MONUMENTS	EACH	8.000	8.000
0620	624.0100	WATER	MGAL	20.000	20.000
0630	625.0100	TOPSOIL	SY	14,000.000	14,000.000
0640	628.1504	SILT FENCE	LF	600.000	600.000
0650	628.1520	SILT FENCE MAINTENANCE	LF	600.000	600.000
0660	628.1905	MOBILIZATIONS EROSION CONTROL	EACH	6.000	6.000
0670	628.1910	MOBILIZATIONS EMERGENCY EROSION CONTROL	EACH	3.000	3.000
0680	628.2002	EROSION MAT CLASS I TYPE A	SY	680.000	680.000
0690	628.2006	EROSION MAT URBAN CLASS I TYPE A	SY	4,750.000	4,750.000
0700	628.2008	EROSION MAT URBAN CLASS I TYPE B	SY	8,250.000	8,250.000
0710	628.2027	EROSION MAT CLASS II TYPE C	SY	400.000	400.000
0720	628.7005	INLET PROTECTION TYPE A	EACH	24.000	24.000
0730	628.7010	INLET PROTECTION TYPE B	EACH	1.000	1.000
0740	628.7015	INLET PROTECTION TYPE C	EACH	17.000	17.000
0750	628.7020	INLET PROTECTION TYPE D	EACH	6.000	6.000
0760	628.7504	TEMPORARY DITCH CHECKS	LF	250.000	250.000
0770	628.7555	CULVERT PIPE CHECKS	EACH	100.000	100.000
0780	628.7560	TRACKING PADS	EACH	2.000	2.000
0790	628.7570	ROCK BAGS	EACH	195.000	195.000
0800	630.0140	SEEDING MIXTURE NO. 40	LB	510.000	510.000
0810	630.0200	SEEDING TEMPORARY	LB	50.000	50.000
0820	633.5200	MARKERS CULVERT END	EACH	5.000	5.000
0830	634.0416	POSTS WOOD 4X4-INCH X 16-FT	EACH	36.000	36.000
0840	634.0418	POSTS WOOD 4X4-INCH X 18-FT	EACH	10.000	10.000

3

3

DATE 14MAR13		E S T I M A T E O F Q U A N T I T I E S			
LINE				6600-03-78	
NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	QUANTITY
0850	637.0202	SIGNS REFLECTIVE TYPE II	SF	391.170	391.170
0860	638.2102	MOVING SIGNS TYPE II	EACH	5.000	5.000
0870	638.2602	REMOVING SIGNS TYPE II	EACH	89.000	89.000
0880	638.3000	REMOVING SMALL SIGN SUPPORTS	EACH	46.000	46.000
0890	638.4000	MOVING SMALL SIGN SUPPORTS	EACH	5.000	5.000
0900	642.5001	FIELD OFFICE TYPE B	EACH	1.000	1.000
0910	643.0100	TRAFFIC CONTROL (PROJECT) 01. 6600-03-78	EACH	1.000	1.000
0920	643.0300	TRAFFIC CONTROL DRUMS	DAY	2,860.000	2,860.000
0930	643.0410	TRAFFIC CONTROL BARRICADES TYPE II	DAY	560.000	560.000
0940	643.0420	TRAFFIC CONTROL BARRICADES TYPE III	DAY	3,055.000	3,055.000
0950	643.0705	TRAFFIC CONTROL WARNING LIGHTS TYPE A	DAY	5,182.000	5,182.000
0960	643.0900	TRAFFIC CONTROL SIGNS	DAY	5,237.000	5,237.000
0970	643.0910	TRAFFIC CONTROL COVERING SIGNS TYPE I	EACH	6.000	6.000
0980	643.0920	TRAFFIC CONTROL COVERING SIGNS TYPE II	EACH	53.000	53.000
0990	643.1000	TRAFFIC CONTROL SIGNS FIXED MESSAGE	SF	225.000	225.000
1000	643.1050	TRAFFIC CONTROL SIGNS PCMS	DAY	28.000	28.000
1010	643.2000	TRAFFIC CONTROL DETOUR (PROJECT) 01. 6600-03-78	EACH	1.000	1.000
1020	643.3000	TRAFFIC CONTROL DETOUR SIGNS	DAY	25,084.000	25,084.000
1030	645.0120	GEOTEXTILE FABRIC TYPE HR	SY	10.000	10.000
1040	646.0106	PAVEMENT MARKING EPOXY 4-INCH	LF	8,320.000	8,320.000
1050	646.0126	PAVEMENT MARKING EPOXY 8-INCH	LF	210.000	210.000
1060	647.0566	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	LF	35.000	35.000
1070	647.0656	PAVEMENT MARKING PARKING STALL EPOXY	LF	310.000	310.000
1080	650.4000	CONSTRUCTION STAKING STORM SEWER	EACH	35.000	35.000
1090	650.4500	CONSTRUCTION STAKING SUBGRADE	LF	4,221.000	4,221.000
1100	650.5000	CONSTRUCTION STAKING BASE	LF	4,221.000	4,221.000
1110	650.5500	CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER	LF	6,757.000	6,757.000
1120	650.6000	CONSTRUCTION STAKING PIPE CULVERTS	EACH	2.000	2.000
1130	650.9920	CONSTRUCTION STAKING SLOPE STAKES	LF	4,221.000	4,221.000
1140	690.0150	SAWING ASPHALT	LF	933.000	933.000
1150	690.0250	SAWING CONCRETE	LF	108.000	108.000
1160	ASP.1T0A	ON-THE-JOB TRAINING APPRENTICE AT \$5.00/HR	HRS	1,200.000	1,200.000
1170	ASP.1T0G	ON-THE-JOB TRAINING GRADUATE AT \$5.00/HR	HRS	600.000	600.000
1180	SPV.0030	SPECIAL 01. FERTILIZER FOR LAWN TYPE TURF	CWT	9.000	9.000
1190	SPV.0035	SPECIAL 01. EXCAVATION, HAULING, AND STOCKPILING OF PETROLEUM CONTAMINATED SOIL	CY	50.000	50.000
1200	SPV.0060	SPECIAL 01. REESTABLISH SECTION CORNER MONUMENTS	EACH	2.000	2.000
1210	SPV.0105	SPECIAL 01. RESEARCH AND LOCATE EXISTING PROPERTY MONUMENTS	LS	1.000	1.000
1220	SPV.0105	SPECIAL 02. VERIFY AND REPLACE EXISTING PROPERTY MONUMENTS	LS	1.000	1.000
1230	SPV.0120	SPECIAL 01. WATER FOR SEEDED AREAS	MGAL	85.000	85.000
1240	SPV.0180	SPECIAL 01. PREPARING TOPSOIL FOR LAWN TYPE TURF	SY	14,000.000	14,000.000
1250	SPV.0195	SPECIAL 01. BASE AGGREGATE DISINTEGRATED GRANITE	TON	300.000	300.000

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CLEARNG AND GRUBBING

					201.0105	201.0120	201.0205	201.0220	
					CLEARING	CLEARING	GRUBBING	GRUBBING	COMMENT
STATION	TO	STATION	DIR	LOCATION	STA	ID	STA	ID	
CATEGORY 0010									
1269+97				LT	STH 153	---	6	---	6
1270+00	-	1283+00		STH 153	13	---	13	---	
1285+26				LT	STH 153	---	8	---	8
1290+00	-	1292+00		STH 153	2	---	2	---	
1295+18				LT	STH 153	---	---	10	STUMP
1297+00	-	1298+00		STH 153	1	---	1	---	

PROJECT TOTALS 16 14 16 24

REMOVING PAVEMENT

					204.0155
STATION	TO	STATION	DIR	LOCATION	SY
CATEGORY 0010					
1288+65	-	1289+03	RT	STH 153	18
1291+28	-	1291+33	RT	STH 153	2

PROJECT TOTALS 20

REMOVING CURB AND GUTTER

	204.0150
LOCATION	LF
CATEGORY 0010	
STH 153 & STH 49 INTERSECTION, NORTHWEST QUADRANT	71
STH 153 & STH 49 INTERSECTION, NORTHEAST QUADRANT	71
STH 153 & STH 49 INTERSECTION, SOUTHWEST QUADRANT	70
STH 153 & STH 49 INTERSECTION, SOUTHEAST QUADRANT	70

PROJECT TOTAL 282

REMOVING CONCRETE SIDEWALK

					204.0155
STATION	TO	STATION	DIR	LOCATION	SY
CATEGORY 0010					
1286+60	-	1288+80	RT	STH 153	216
1287+96	-	1288+24	LT	STH 153	18
1288+65	-	1289+03	LT	STH 154	18

PROJECT TOTALS 252

REMOVING SMALL PIPE CULVERTS

			203.0100	
STATION	DIR	LOCATION	EA	COMMENT
CATEGORY 0010				
1269+75	-	STH 153	1	40 LF 36" RCP
1272+12	RT	STH 153	1	16 LF 8" CMP
1272+81	RT	STH 153	1	17 LF 8" CMP
1279+32	-	STH 153	1	36 LF 18" CMP
1281+02	RT	STH 153	1	27 LF 15" RCP
1281+25	LT	STH 153	1	30 LF 15" CMP
1281+52	RT	STH 153	1	18 LF 15" CMP
1282+35	RT	STH 153	1	45 LF 12" RCP
1282+78	RT	STH 153	1	17 LF 12" RCP
1291+35	LT	STH 153	1	10 LF 8" CMP
1291+88	LT	STH 153	1	20 LF 8" CMP
1292+23	LT	STH 153	1	10 LF 8" CMP
1292+53	LT	STH 153	1	17 LF 8" CMP
1293+32	LT	STH 153	1	10 LF 8" CMP
1294+00	LT	STH 153	1	20 LF 8" CMP
1294+61	LT	STH 153	1	10 LF 8" CMP
1295+55	LT	STH 153	1	25 LF 8" CMP
1296+40	LT	STH 153	1	27 LF 15" CMP
1297+38	LT	STH 153	1	23 LF 12" CMP
72+12	RT	STH 49	1	35 LF
73+63	RT	STH 49	1	28 LF 15" CMP
77+80	RT	STH 49	1	28 LF 15" RCP

PROJECT TOTALS 22

REMOVING STORM SEWER

					204.0220	204.0245.01	
STATION	TO	STATION	DIR	LOCATION	REMOVING INLETS EA	REMOVING STORM SEWER 12-INCH LF	COMMENT
CATEGORY 0010							
1271+20	-	1273+95	LT	STH 153	---	275	12" RCP
1273+95				LT	STH 153	1	---
1273+95	-	1277+35	LT	STH 153	---	340	12" RCP
1279+50	-	1289+25	LT	STH 153	---	975	12" RCP
1289+25				LT	STH 153	1	---
1289+25	-	1290+50	LT	STH 153	---	125	12" RCP
1290+50				LT	STH 153	1	35 12" RCP
1290+50				RT	STH 153	1	
1290+50	-	1290+85	LT	STH 153	---	35	12" RCP

PROJECT TOTALS 4 1,785

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EARTHWORK SUMMARY

Division	From/To Station	Location	Excavation Common 205.0100 **		Salvaged/ Unusable Pavement Material	Available Material (5)	Excavation Marsh 205.0400 (6)	Expanded Marsh Backfill (Select Borrow) 208.1100	Expanded EBS Backfill (Select Borrow) 208.1100	Unexpand. Fill	Expanded Fill (13)	Mass Ordinate +/- (14)	Waste	Borrow 208.0100 (15)	Comment:
			Cut (2)	EBS Excavation (3)				Factor 1.50	Factor 1.25		Factor 1.25				
Category 0010	1269+50 - 1302+87	STH 153	10,724	454	1,332	9,393	5,152	7,728	568	1,235	1,544	7,848	7,848	0	
	71+64 - 78+50	STH 49	1,364	0	194	1,171	0	0	0	38	48	1,123	1,123	0	
	Wetland Excavation and undercut		4,760	0	0	4,760	0	0	0	0	0	4,760	4,760		
Grand Total			16,848	454	1,525	15,323	5,152	7,728	568	1,274	1,592	13,731	13,731	0	
17,3038,296															

- 1) Excavation Common is the sum of the Cut and EBS Excavation columns.
- 2) Salvaged/Unsuable Pavement Material is included in Cut.
- 3) EBS Excavation to be backfilled with Select Borrow material.
- 5) Available Material = Cut - Salvaged/Unusable Pavement Material
- 6) Excavation Marsh - to be backfilled with Select Borrow Material.
- 9) Reduced EBS in Fill - Excavated EBS material is usable in Fills outside the 1:1 slope. EBS in Fill Reduction factor = 0.8
- 10) Expanded Marsh Backfill - This is to be filled with Select Borrow material. Marsh Backfill Factor = 1.5.
- 11) Expanded EBS Backfill - This is to be filled with Select Borrow material. EBS Backfill Factor = 1.3.
- 13) Expanded Fill. Factor = 1.25
- 15) Borrow will be paid only if there is insufficient waste material within the Division.

EXCAVATION, HAULING, AND STOCKPILING OF PETROLEUM
CONTAMINATED SOIL

			OFFSET			SPV.0035.01
STATION	TO	STATION	DIST.	DIR.	LOCATION	CY
CATEGORY 0010						
1289+55	-	1289+85	10' - 33'	RT	STH 153	30
1301+10	-	1301+70	15' - 33'	LT	STH 153	10
76+15	-	76+60	15' - 37.5	RT	STH 49	10

PROJECT TOTALS 50

BASE AGGREGATE DENSE

				305.0110	SPV.0195.01	305.0120
				3/4-INCH	BASE	1 1/4-INCH
				TON	AGGREGATE	TON
					DISINTEGRATED	
					GRANITE	
STATION	TO	STATION	LOCATION	TON	TON	TON
CATEGORY 0010						
1269+50	-	1275+00	STH 153	34	38	1,777
1275+00	-	1281+00	STH 153	0	0	2,062
1281+00	-	1287+00	STH 153	0	0	2,458
1287+00	-	1293+00	STH 153	0	51	2,222
1293+00	-	1299+00	STH 153	0	75	2,084
1299+00	-	1302+87	STH 153	17	0	1,958
71+64	-	75+24	STH 49	31	0	713
76+62	-	78+50	STH 49	8	0	782
DRIVEWAYS			STH 153/STH 49	93	97	258
TEMPORARY PEDESTRIAN ACCESS				166	0	0
TEMPORARY DRIVEWAY ACCESS				0	0	288
UNDISTRIBUTED				51	39	249
PROJECT TOTALS				400	300	14,850

ASPHALTIC ITEMS

				455.0605	455.0105	460.1101	465.0120
				TACK COAT	ASPHALTIC	HMA	ASPHALTIC
					MATERIAL	PAVEMENT	SURFACE
					PG58-28	TYPE E-1	DRIVEWAYS AND
							FIELD ENTRANCES
STATION	TO	STATION	LOCATION	GAL	TON	TON	TON
CATEGORY 0010							
1269+50	-	1275+00	STH 153	47	27	486	---
1275+00	-	1281+00	STH 153	58	33	604	---
1281+00	-	1287+00	STH 153	72	41	747	---
1287+00	-	1293+00	STH 153	64	36	662	---
1293+00	-	1299+00	STH 153	60	34	617	---
1299+00	-	1302+87	STH 153	50	34	613	---
71+64	-	75+24	STH 49	14	9	173	---
76+62	-	78+50	STH 49	18	12	224	---
DRIVEWAYS			STH 153/STH 49	---	---	---	140
PROJECT TOTALS				383	227	4,126	140

DRIVEWAYS

			***	***	***	416.0160	***
			BASE	BASE	BASE	CONCRETE	ASPHALTIC
			AGGREGATE	AGGREGATE	AGGREGATE	DRIVEWAY	SURFACE
			DENSE	DISINTEGRATED	DENSE	6-INCH	DRIVEWAYS AND
			3/4-INCH	GRANITE	1 1/4-INCH		FIELD ENTRANCES
STATION	DIR	LOCATION	TON	TON	TON	SY	TON
CATEGORY 0010							
1272+14	RT	STH 153	6	0	3	0	1
1272+32	LT	STH 153	0	9	3	0	1
1272+78	RT	STH 153	9	0	3	0	1
1274+85	LT	STH 153	0	0	8	0	4
1275+08	RT	STH 153	9	0	3	0	1
1276+16	RT	STH 153	0	12	3	0	2
1280+54	LT	STH 153	7	0	3	0	1
1280+99	RT	STH 153	0	0	8	0	4
1281+20	LT	STH 153	0	0	0	29	0
1281+53	RT	STH 153	11	0	4	0	2
1282+35	RT	STH 153	0	0	12	0	7
1283+69	LT	STH 153	0	0	23	0	12
1284+44	LT	STH 153	0	8	3	0	2
1284+71	RT	STH 153	0	0	21	53	11
1285+11	LT	STH 153	5	0	3	17	2
1286+00	LT	STH 153	0	0	3	18	2
1286+44	LT	STH 153	0	0	7	16	4
1287+68	LT	STH 153	0	6	0	42	0
1287+99	RT	STH 153	0	3	0	22	0
1288+42	LT	STH 153	0	6	0	36	0
1288+69	RT	STH 153	0	3	0	16	0
1289+17	LT	STH 153	0	2	0	17	0
1289+29	RT	STH 153	0	11	0	45	0
1289+46	LT	STH 153	0	1	0	22	0
1289+76	LT	STH 153	0	3	0	22	0
1290+53	RT	STH 153	1	0	0	22	0
1291+44	RT	STH 153	0	0	16	0	9
1291+88	LT	STH 153	0	0	1	27	1
1292+57	LT	STH 153	0	0	2	27	1
1295+56	LT	STH 153	0	2	0	27	0
1296+41	LT	STH 153	0	0	2	27	1
1298+27	RT	STH 153	30	0	10	0	5
1299+60	LT	STH 153	0	0	0	62	0
1302+00	LT	STH 153	16	0	5	0	3
1302+43	RT	STH 153	0	0	7	0	4
72+13	RT	STH 49	0	0	21	0	11
73+64	RT	STH 49	0	0	23	0	12
77+28	LT	STH 49	0	20	7	0	4
77+31	RT	STH 49	0	0	27	0	15
77+80	RT	STH 49	0	5	5	0	3
78+15	LT	STH 49	0	6	3	0	2
STH 153 & STH 49 NE QUADRANT			0	0	21	0	11
PROJECT TOTALS			93	97	258	545	140

*** FOR INFORMATION ONLY, QUANTITY LISTED ELSEWHERE

3

CONCRETE SURFACE DRAINS

			416.1010
STATION	DIR	LOCATION	CY
CATEGORY 0010			
1271+71	LT	STH 153	0.5
1271+71	RT	STH 153	0.5
1273+25	LT	STH 153	0.5
1273+25	RT	STH 153	0.5
1275+10	LT	STH 153	0.5
1275+25	RT	STH 153	0.5
1280+00	LT	STH 153	0.5
1280+00	RT	STH 153	0.5
1282+00	LT	STH 153	0.5
1282+00	RT	STH 153	0.5

PROJECT TOTALS 5

PRIVATE ENTRANCE CULVERTS

			530.0112	530.0118	521.1012	521.1018
STA	LOCATION		CULVERT PIPE CORRUGATED POLYETHYLENE 12-INCH	CULVERT PIPE CORRUGATED POLYETHYLENE 18-INCH	APRON ENDWALLS FOR CULVERT PIPE STEEL 12-INCH	APRON ENDWALLS FOR CULVERT PIPE STEEL 18-INCH
			LF	LF	EACH	EACH
CATEGORY 0010						
1272+14	STH 153	RT	20	0	2	---
1272+32	STH 153	LT	20	0	2	---
1272+75	STH 153	RT	20	0	2	---
1274+86	STH 153	LT	18	0	2	---
1275+11	STH 153	RT	18	0	2	---
1276+17	STH 153	RT	20	0	2	---
1280+60	STH 153	LT	16	0	2	---
1281+00	STH 153	RT	18	0	2	---
1281+24	STH 153	LT	20	0	2	---
1281+50	STH 153	RT	22	0	2	---
1282+37	STH 153	RT	26	0	2	---
72+12	STH 49	RT	0	28	---	2
73+63	STH 49	RT	0	26	---	2

PROJECT TOTALS 218 54 22 4

CROSS DRAINS

		522.0112	522.0118	522.0148	522.1012 *	522.1018	522.1048	633.5200*	**	
		CULVERT PIPE REINFORCED CONCRETE CLASS III 12-INCH	CULVERT PIPE REINFORCED CONCRETE CLASS III 18-INCH	CULVERT PIPE REINFORCED CONCRETE CLASS III 48-INCH	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 48-INCH	MARKERS CULVERT END	JOINT TIES	COMMENTS
STATION	LOCATION	LF	LF	LF	EA	EA	EA	EA		
CATEGORY 0010										
1269+74	STH 153	---	---	60	---	---	2	2	18	SKEW 3 DEG RHF
19+83	MAPLE ST	72	---	---	2	---	---	---	20	
1279+33	STH 153	---	64	---	---	2	---	2	18	

PROJECT TOTALS 72 64 60 2 2 2 4

* = ADDITIONAL QUANTITY SHOWN ELSEWHERE.
** = FOR INFORMATION ONLY, TIE ALL PIPE JOINTS.

CONCRETE CURB, CURB AND GUTTER

				601.0110	601.0411
				CURB TYPE D	CURB AND GUTTER 30-INCH TYPE D
STATION	TO	STATION	LOCATION	LF	LF
CATEGORY 0010					
1271+70	-	1275+00	STH 153	---	654
1275+00	-	1281+00	STH 153	---	1,243
1281+00	-	1287+00	STH 153	---	1,133
1287+00	-	1293+00	STH 153	---	1,419
1288+80	-	1289+01	STH 153	20	---
1293+00	-	1299+00	STH 153	---	1,455
1299+00	-	1302+87	STH 153	---	555
71+64	-	75+24	STH 49	---	0
76+62	-	78+50	STH 49	---	278

PROJECT TOTALS 20 6,737

CONCRETE SIDEWALK 4-INCH

				602.0405
STATION	TO	STATION	LOCATION	SF
CATEGORY 0010				
1269+50	-	1275+00	STH 153	0
1275+00	-	1281+00	STH 153	0
1281+00	-	1287+00	STH 153	1,288
1287+00	-	1293+00	STH 153	4,583
1293+00	-	1299+00	STH 153	5,434
1299+00	-	1302+87	STH 153	1,495
71+64	-	75+24	STH 49	0
76+62	-	78+50	STH 49	0

PROJECT TOTALS 12,800

CONCRETE STEPS

					602.1500
STATION	TO	STATION	DIR	LOCATION	SF
CATEGORY 0010					
1288+80	-	1289+01	RT	STH 153	20
1291+27	-	1291+32	RT	STH 154	15

PROJECT TOTALS 35

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STORM SEWER STRUCTURES																								
ST. NUM.	LOCATION				STRUCT.	522.1012 *	522.1015	522.1018 *	523.0524	611.2004	611.2006	611.3230	611.3901	611.0530	611.0624	611.0639	611.0642	TOP OF COVER/ GUTTER ELEV.	TOP OF STRUCT ELEV.	LOW INVERT ELEV.	DEPTH FT	COMMENTS		
						APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE				MANHOLES 4-FT DIAMETER	MANHOLES 6-FT DIAMETER	INLETS 2X3-FT	INLETS MEDIAN 1 GRATE	MANHOLE COVERS TYPE J	INLET COVERS TYPE H	INLET COVERS TYPE H-S	INLET COVERS TYPE MS							
	12-INCH EACH	15-INCH EACH	18-INCH EACH	HE 24X38-INCH EACH																				
CATEGORY 0010																								
8.1	77 + 00	STH 49	17.50	LT	INL	---	---	---	---	---	---	1	---	---	---	1	---	1200.14	1199.14	1197.60	1.54			
8.2	77 + 00	STH 49	19.58	RT	INL	---	---	---	---	---	---	1	---	---	---	1	---	1200.10	1199.10	1197.50	1.60			
8.0	1301+27.1	STH 153	41.69	RT	INL	---	---	---	---	---	---	1	---	---	---	1	---	1199.84	1198.84	1197.30	1.54			
8.3	75 + 15	STH 49	43.00	RT	EW	1	---	---	---	---	---	---	---	---	---	---	---	1197.20	1197.20	1197.20	0.00			
10.0	1298 + 60	STH 153	17.50	LT	MH	---	---	---	---	1	---	---	---	---	1	---	---	1198.21	1197.21	1193.96	3.25	INLET TOP		
10.1	1298 + 60	STH 153	17.50	RT	INL	---	---	---	---	---	---	1	---	---	1	---	---	1198.21	1197.21	1194.46	2.75			
11.0	1296 + 85	STH 153	17.50	LT	MH	---	---	---	---	1	---	---	---	---	---	1	---	1197.69	1196.69	1193.56	3.13	INLET TOP		
11.1	1296 + 85	STH 153	17.50	RT	INL	---	---	---	---	---	---	1	---	---	---	1	---	1197.69	1196.69	1194.07	2.62			
12.0	1294 + 46	STH 153	17.00	LT	MH	---	---	---	---	---	1	---	---	---	1		---	1198.15	1197.15	1193.13	4.02	INLET TOP		
13.0	1291 + 75	STH 153	17.50	LT	MH	---	---	---	---	---	1	---	---	---	---	1	---	1197.20	1196.20	1192.82	3.38	INLET TOP WARP		
13.1	1291 + 80	STH 153	17.50	RT	INL	---	---	---	---	---	---	1	---	---	---	1	---	1197.25	1196.25	1194.17	2.08			
14.0	1290 + 48	STH 153	21.64	LT	MH	---	---	---	---	---	1	---	---	1	---	---	---	1197.78	1196.78	1192.70	4.08			
14.1	1290 + 10	STH 153	21.50	RT	INL	---	---	---	---	---	---	1	---	---	1	---	---	1197.77	1196.77	1194.20	2.57			
14.2	1290 + 49	STH 153	36.00	LT	INL	---	---	---	---	---	---	1	---	---	---	1	---	1197.74	1197.74	1193.33	4.41			
15.0	1286 + 85	STH 153	21.50	LT	MH	---	---	---	---	---	1	---	---	---	1	---	---	1197.91	1196.91	1192.17	4.74	INLET TOP		
15.1	1286 + 85	STH 153	21.50	RT	INL	---	---	---	---	---	---	1	---	---	1	---	---	1197.91	1196.91	1193.59	3.32			
16.0	1285 + 00	STH 153	21.50	LT	MH	---	---	---	---	---	1	---	---	---	1	---	---	1196.74	1195.74	1191.83	3.91	INLET TOP		
16.1	1285 + 20	STH 153	21.50	RT	INL	---	---	---	---	---	---	1	---	---	1	---	---	1196.81	1195.81	1192.80	3.01			
16.2	1284 + 15	STH 153	23.90	RT	INL	---	---	---	---	---	---	1	---	---	1	---	---	1196.39	1195.39	1193.47	1.92			
16.3	1284 + 10	STH 153	20.00	LT	MH	---	---	---	---	---	1	---	---	1	---	---	---	1197.02	1195.82	1191.62	4.20			
16.4	1284 + 10	STH 153	31.00	LT	INL	---	---	---	---	---	---	---	1	---	---	---	1	1194.60	1194.60	1192.43	2.17			
17.0	1281 + 90	STH 153	17.50	LT	MH	---	---	---	---	---	1	---	---	---	1	---	---	1195.79	1194.79	1191.10	3.69	INLET TOP		
17.1	1281 + 90	STH 153	17.50	RT	INL	---	---	---	---	---	---	1		---	1	---		1195.79	1194.79	1192.42	2.37			
18.0	1279 + 61	STH 153	20.50	LT	MH	---	---	---	---	---	1	---	---	1	---	---	---	1195.44	1194.24	1190.56	3.68			
19.0	1279 + 50	STH 153	40.15	LT	EW	---	---	---	1	---	---	---	---	---	---	---	---	1190.50	1190.50	1190.50	0.00			
CATEGORY 0010 SHEET SUBTOTALS						1	0	0	1	2	8	12	1	3	11	8	1							
* = ADDITIONAL QUANTITY SHOWN ELSEWHERE.																								
PROJECT NO: 6600-03-78							HWY: STH 153				COUNTY: MARATHON				MISCELLANEOUS QUANTITIES				SHEET				56	E

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3

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CATEGORY 0010 TOTALS

PROJECT TOTALS

2. ALLOWANCES FOR ADJUSTMENT RINGS AND FRAMES ARE AS FOLLOWS:

+ INLETS TYPE 3 AND MANHOLES WITH INLET TOPS: 1.0'

3. LOCATION REFERS TO CENTER OF STRUCTURE

* = ADDITIONAL QUANTITY SHOWN ELSEWHERE.

			606.0200	645.0120
			RIPRAP MEDIUM	GEOTEXTILE FABRIC TYPE HR
STATION	DIR	LOCATION	CY	SY
CATEGORY 0010				
1271+45	RT	STH 153	1	5
1279+50	LT	STH 153	1	5

PROJECT TOTALS	2	10
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			602.0515
STATION	DIR	LOCATION	SF
CATEGORY 0010			
1284+12	RT	STH 153	32
1286+15	RT	STH 153	32
1286+70	RT	STH 153	32
1286+92	LT	STH 153	32
1286+92	RT	STH 153	32
1290+30	LT	STH 153	32
1290+30	RT	STH 153	32
1290+95	LT	STH 153	32
1293+80	LT	STH 153	32
1294+25	LT	STH 153	32
1297+10	LT	STH 153	32
1297+55	LT	STH 153	32
1300+50	LT	STH 153	32
1300+50	RT	STH 153	32
1301+40	RT	STH 153	32

PROJECT TOTALS	480
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STORM SEWER PIPE															
LOCATION		607.0408 COMPOSITE 8-INCH LF	REINFORCED CONCRETE								633.5200* MARKERS CULVERT END EACH	INLET ELEV.	DISCH. ELEV.	JOINT TIES**	COMMENT
			608.0312 CLASS III 12-INCH LF	608.0315 CLASS III 15-INCH LF	608.0318 CLASS III 18-INCH LF	608.0412 CLASS IV 12-INCH LF	610.0114 HORIZONTAL ELLIPTICAL CLASS III 14X23-INCH LF	610.0124 HORIZONTAL ELLIPTICAL CLASS III 24X38-INCH LF	610.0419 HORIZONTAL ELLIPTICAL CLASS IV 19X30-INCH LF	610.0424 HORIZONTAL ELLIPTICAL CLASS IV 24X38-INCH LF					
FROM	TO	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF
CATEGORY 0010															
8.1	8.2	---	---	---	---	34	---	---	---	---	---	1197.60	1197.50	---	
8.2	8.0	---	---	---	---	137	---	---	---	---	---	1197.50	1197.30	---	
8.0	8.3	---	48	---	---	---	---	---	---	---	---	1197.30	1197.20	4	
10.1	10.0	---	32	---	---	---	---	---	---	---	---	1194.46	1194.12	---	
10.0	11.0	---	---	---	---	---	175	---	---	---	---	1193.96	1193.56	---	
11.1	11.0	---	32	---	---	---	---	---	---	---	---	1194.07	1193.73	---	
11.0	12.0	---	---	---	---	---	---	---	237	---	---	1193.56	1193.13	---	
12.0	13.0	---	---	---	---	---	---	---	---	268	---	1193.13	1192.82	---	
13.1	13.0	---	---	---	---	33	---	---	---	---	---	1194.17	1193.82	---	
13.0	14.0	---	---	---	---	---	---	---	---	127	---	1192.82	1192.69	---	
14.1	14.0	---	58	---	---	---	---	---	---	---	---	1194.20	1193.64	---	
14.2	14.0	---	13	---	---	---	---	---	---	---	---	1193.33	1193.20	---	
14.2	END	15	---	---	---	---	---	---	---	---	---	1193.33	1193.42	---	END CAP REQUIRED
14.0	15.0	---	---	---	---	---	---	363	---	---	---	1192.69	1192.17	---	
15.1	15.0	---	40	---	---	---	---	---	---	---	---	1193.59	1193.17	---	
15.0	16.0	---	---	---	---	---	---	185	---	---	---	1192.17	1191.83	---	
16.2	16.1	---	---	---	---	104	---	---	---	---	---	1193.47	1192.80	---	
16.1	16.0	---	44	---	---	---	---	---	---	---	---	1192.80	1192.06	---	
16.0	16.3	---	---	---	---	---	---	90	---	---	---	1191.83	1191.62	---	
16.4	16.3	---	10	---	---	---	---	---	---	---	---	1192.43	1192.33	---	
16.3	17.0	---	---	---	---	---	---	220	---	---	---	1191.62	1191.10	---	
17.1	17.0	---	---	---	---	32	---	---	---	---	---	1192.42	1192.10	---	
17.0	18.0	---	---	---	---	---	---	228	---	---	---	1191.10	1190.56	---	
18.0	19.0	---	---	---	---	---	---	22	---	---	---	1190.56	1190.50	---	
20.0	20.1	---	8	---	---	---	---	---	---	---	---	1192.28	1192.00	---	
20.2	20.3	---	8	---	---	---	---	---	---	---	---	1192.28	1192.00	---	
21.0	22.0	---	---	90	---	---	---	---	---	---	1	1191.00	1190.73	---	
22.0	23.0	---	---	215	---	---	---	---	---	---	---	1190.73	1190.08	---	
23.1	23.0	---	---	---	---	32	---	---	---	---	---	1191.24	1190.58	---	
23.0	25.0	---	---	---	336	---	---	---	---	---	---	1190.08	1189.07	---	
25.0	26.0	---	---	---	23	---	---	---	---	---	---	1189.07	1189.01	---	
PROJECT TOTALS		15	293	305	359	372	175	1108	237	395	1				

* = ADDITIONAL QUANTITY SHOWN ELSEWHERE
** = FOR INFORMATION ONLY, TIE LAST TWO JOINTS AT OUTFALL END

MONUMENTATION ITEMS

		SPV.0060.01 REESTABLISH SECTION CORNER MONUMENTS	621.0100 LANDMARK REFERENCE MONUMENTS
STATION	LOCATION	EACH	EACH
CATEGORY 0010			
1274+75.85	STH 153	1	4
1300+89.58	STH 153	1	4

PROJECT TOTALS 2 8

WATER

	624.0100	
PROJECT	MGAL	COMMENT
CATEGORY 0010		
6600-03-78	20	FOR DUST CONTROL

LANDSCAPING

				625.0100	SPV.0180.01	628.2002	628.2006	628.2008	628.2027	SPV.0030.01	630.0140	630.0200	SPV.0120.01
				TOPSOIL	PREPARING TOPSOIL FOR LAWN TYPE TURF	EROSION MAT CLASS I TYPE A	EROSION MAT URBAN CLASS I TYPE A	EROSION MAT URBAN CLASS I TYPE B	EROSION MAT CLASS II TYPE C	FERTILIZER FOR LAWN TYPE TURF	SEEDING MIXTURE NO 40	SEEDING TEMPORARY	WATER FOR SEEDED AREAS
STATION	TO	STATION	LOCATION	SY	SY	SY	SY	SY	SY	CWT	LB	LB	MGAL
CATEGORY 0010													
1269+50	-	1275+00	STH 153	2,308	2,308	0	0	2,043	265	1.5	83	0	14
1275+00	-	1281+00	STH 153	3,811	3,811	0	0	3,811	0	2.4	137	0	23
1281+00	-	1287+00	STH 153	1,145	1,145	0	419	726	0	0.7	41	0	7
1287+00	-	1293+00	STH 153	1,100	1,100	0	1,100	0	0	0.7	40	0	7
1293+00	-	1299+00	STH 153	1,399	1,399	0	1,399	0	0	0.9	50	0	8
1299+00	-	1302+87	STH 153	752	752	0	721	0	31	0.5	27	0	5
71+64	-	75+24	STH 49	544	544	544	0	0	0	0.3	20	0	3
76+62	-	78+50	STH 49	117	117	0	117	0	0	0.1	4	0	1
UNDISTRIBUTED				2,826	2,826	136	995	1,670	105	2	108	50	18

PROJECT TOTALS 14,000 14,000 680 4,750 8,250 400 9 510 50 85

EROSION CONTROL

				628.1504	628.1520	628.7005	628.7010	628.7015	628.7020	628.7504	628.7555	628.7560	628.7570
				SILT FENCE	SILT FENCE MAINTENANCE	INLET PROTECTION TYPE A	INLET PROTECTION TYPE B	INLET PROTECTION TYPE C	INLET PROTECTION TYPE D	TEMPORARY DITCH CHECKS	CULVERT PIPE CHECKS	TRACKING PADS	ROCK BAGS
STATION	TO	STATION	LOCATION	LF	LF	EA	EA	EA	EA	LF	EACH	EACH	EACH
CATEGORY 0010													
1269+50	-	1275+00	STH 153	190	190	2	0	2	0	50	25	0	80
1275+00	-	1281+00	STH 153	280	280	2	0	2	0	0	25	0	60
1281+00	-	1287+00	STH 153	0	0	8	1	7	0	0	20	0	16
1287+00	-	1293+00	STH 153	0	0	4	0	2	2	0	0	0	0
1293+00	-	1299+00	STH 153	0	0	5	0	3	2	0	0	0	0
1299+00	-	1302+87	STH 153	0	0	1	0	1	0	0	0	0	0
71+64	-	75+24	STH 49	0	0	0	0	0	0	0	10	0	0
76+62	-	78+50	STH 49	0	0	2	0	0	2	0	0	0	0
UNDISTRIBUTED				130	130	0	0	0	0	200	20	2	39

PROJECT TOTALS 600 600 24 1 17 6 250 100 2 195

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PERMANENT SIGNS TYPE II AND SIGN SUPPORTS

													634.0616	634.0618	637.0202	
SIGN NO.	STATION	LOCATION	FACE DIR.	SIGN CODE	SIGN SIZE	DESCRIPTION	SIGN DIMENSIONS		ASSEMBLY			ASSEMBLY AREA SF	POSTS WOOD 4 X 6-INCH		SIGNS REFLECTIVE	REMARKS
							W X H IN X IN	AREA SF	NO.	WIDTH IN	HEIGHT IN		16 FT EACH	18 FT EACH	TYPE II SF	
CATEGORY 0010																
1-01	19+63 , LT	MAPLE ST	NB	R1-1	2S	STOP	30 X 30	5.18				0.00	1		5.18	
2-01	1275+51 , LT	STH 153	WB	D2-2		BEVENT; MOSINEE	72 X 24	12.00				0.00	2		12.00	
2-02	1276+71 , RT	STH 153	EB	R2-1	2S	SPEED LIMIT 25 MPH	24 X 30	5.00				0.00	1		5.00	
2-03	1276+71 , LT	STH 153	WB	R2-1	2S	SPEED LIMIT 35 MPH	24 X 30	5.00				0.00	1		5.00	
2-04	29+64 , RT	ELM ST	NB	R1-1	2S	STOP	30 X 30	5.18				0.00	1		5.18	
3-01	1282+00 , RT	STH 153	EB	W11-8	2S	FIRE STATION TRUCK CROSSING	36 X 36	9.00				0.00	1		9.00	
3-02	1283+25 , RT	STH 153	EB	R2-1	2S	SPEED LIMIT 25 MPH	24 X 30	5.00				0.00	1		5.00	
3-03	1283+25 , LT	STH 153	WB	R2-1	2S	SPEED LIMIT 25 MPH	24 X 30	5.00				0.00	1		5.00	
3-04	39+63 , RT	WAUSAU ST	NB	R1-1	2S	STOP	30 X 30	5.18				0.00	1		5.18	
3-05	50+35 , LT	CENTER ST	SB	R1-1	2S	STOP	30 X 30	5.18				0.00	1		5.18	
3-06	49+60 , RT	CENTER ST	NB	R1-1	2S	STOP	30 X 30	5.18				0.00	1		5.18	
4-01	1287+34 , LT	STH 153	WB	W11-8	2S	FIRE STATION TRUCK CROSSING	36 X 36	9.00				0.00	1		9.00	
4-02	1290+42 , LT	STH 153	SB	R1-1	2S	STOP	30 X 30	5.18				0.00	1		5.18	
4-03	1292+12 , LT	STH 153	WB	R2-1	2S	SPEED LIMIT 25 MPH	24 X 30	5.00				0.00	1		5.00	
4-04	1292+12 , RT	STH 153	EB	R2-1	2S	SPEED LIMIT 25 MPH	24 X 30	5.00				0.00	1		5.00	
5-01	1293+78 , LT	STH 153	SB	R1-1	2S	STOP	30 X 30	5.18				0.00	1		5.18	
5-02	1294+22 , RT	STH 153	EB	M2-1	2S	JCT	21 X 15	2.20	J1-1	24.00	39.00	6.50	1		6.20	
				M1-6	2S	STH 49	24 X 24	4.00				0.00				MOUNT WITH SIGN #5-02
5-03	1296+00 , RT	STH 153	EB	D1-3		TO HWY 45; TO HWY 29; IOLA	78 X 42	22.75				0.00	2		22.75	
5-04	1297+06 , LT	STH 153	SB	R1-1	2S	STOP	30 X 30	5.18				0.00	1		5.18	
5-05	1297+71 , RT	STH 153	EB	W3-1	2S	STOP AHEAD SYMBOL MESSAGE	36 X 36	9.00				0.00	1		9.00	
5-06	1298+57 , LT	STH 153	WB	R2-1	2S	SPEED LIMIT 25 MPH	24 X 30	5.00				0.00	1		5.00	
6-01	1299+28 , LT	STH 153	WB	M3-4	2S	WEST	24 X 12	2.00	J4-1	24.00	36.00	6.00	1		6.00	
				M1-6	2S	STH 153	24 X 24	4.00				0.00				MOUNT WITH SIGN #6-01
6-02	1300+34 , RT	STH 153	EB	R1-1	2M	STOP	36 X 36	7.46				0.00	1		7.46	
6-03	1300+34 , RT	STH 153	EB	M3-1	2S	NORTH	24 X 12	2.00	J3-3	72.00	57.00	28.50		2	27.18	
				M1-6	2S	STH 49	24 X 24	4.00				0.00				MOUNT WITH SIGN #6-03
				M6-1	2S	DIRECRTIONAL ARROW - LEFT	21 X 21	3.06				0.00				MOUNT WITH SIGN #6-03
				M3-2	2S	EAST	24 X 12	2.00				0.00				MOUNT WITH SIGN #6-03
				M1-6	2S	STH 153	24 X 24	4.00				0.00				MOUNT WITH SIGN #6-03
				M6-1A	2S	ARROW AHEAD	21 X 21	3.06				0.00				MOUNT WITH SIGN #6-03
				M3-3	2S	SOUTH	24 X 12	2.00				0.00				MOUNT WITH SIGN #6-03
				M1-6	2S	STH 49	24 X 24	4.00				0.00				MOUNT WITH SIGN #6-03
				M6-1	2S	DIRECTIONAL ARROW - RIGHT	21 X 21	3.06				0.00				MOUNT WITH SIGN #6-03
6-04	76+48 , LT	STH 49	SB	M3-2	2S	EAST	24 X 12	2.00	J3-3	72.00	57.00	28.50		2	27.18	
				M1-6	2S	STH 153	24 X 24	4.00				0.00				MOUNT WITH SIGN #6-04
				M6-1	2S	DIRECTIONAL ARROW - LEFT	21 X 21	3.06				0.00				MOUNT WITH SIGN #6-04
				M3-3	2S	SOUTH	24 X 12	2.00				0.00				MOUNT WITH SIGN #6-04
				M1-6	2S	STH 49	24 X 24	4.00				0.00				MOUNT WITH SIGN #6-04
				M6-1A	2S	ARROW AHEAD	21 X 21	3.06				0.00				MOUNT WITH SIGN #6-04
				M3-4	2S	WEST	24 X 12	2.00				0.00				MOUNT WITH SIGN #6-04
				M1-6	2S	STH 153	24 X 24	4.00				0.00				MOUNT WITH SIGN #6-04
				M6-1	2S	DIRECTIONAL ARROW - RIGHT	21 X 21	3.06				0.00				MOUNT WITH SIGN #6-04
6-05	74+65 , LT	STH 49	SB	M3-3	2S	SOUTH	24 X 12	2.00	J4-1	24.00	36.00	6.00	1		6.00	
				M1-6	2S	STH 49	24 X 24	4.00				0.00				MOUNT WITH SIGN #6-05
SUBTOTALS													26	4	218	

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PERMANENT SIGNS TYPE II AND SIGN SUPPORTS, CONTINUED

													634.0616	634.0618	637.0202	
SIGN NO.	STATION	LOCATION	FACE DIR.	SIGN CODE	SIGN SIZE	DESCRIPTION	SIGN DIMENSIONS		ASSEMBLY			ASSEMBLY AREA SF	POSTS WOOD 4 X 6-INCH		REFLECTIVE TYPE II SF	REMARKS
							W X H IN X IN	AREA SF	NO.	WIDTH IN	HEIGHT IN		16 FT EACH	18 FT EACH		
CATEGORY 0010																
6-06	75+38 , RT	STH 49	NB	M3-4	2S	WEST	24 X 12	2.00	J3-3	72.00	57.00	28.50		2	27.18	
				M1-6	2S	STH 153	24 X 24	4.00				0.00				MOUNT WITH SIGN #6-06
				M6-1	2S	DEIRECTIONAL ARROW - LEFT	21 X 21	3.06				0.00				MOUNT WITH SIGN #6-06
				M3-1	2S	NORTH	24 X 12	2.00				0.00				MOUNT WITH SIGN #6-06
				M1-6	2S	STH 49	24 X 24	4.00				0.00				MOUNT WITH SIGN #6-06
				M6-1A	2S	ARROW AHEAD	21 X 21	3.06				0.00				MOUNT WITH SIGN #6-06
				M3-2	2S	EAST	24 X 12	2.00				0.00				MOUNT WITH SIGN #6-06
				M1-6	2S	STH 153	24 X 24	4.00				0.00				MOUNT WITH SIGN #6-06
				M6-1	2S	DIRECTIONAL ARROW - RIGHT	21 X 21	3.06				0.00				MOUNT WITH SIGN #6-06
6-07	77+65 , RT	STH 49	NB	M3-1	2S	NORTH	24 X 12	2.00	J4-1	24.00	36.00	6.00	1		6.00	
				M1-6	2S	STH 49	24 X 24	4.00				0.00				MOUNT WITH SIGN #6-07
6-08	1301+42 , LT	STH 153	WB	R1-1	2M	STOP	36 X 36	7.46				0.00	1		7.46	
6-09	1301+42 , LT	STH 153	WB	M3-3	2S	SOUTH	24 X 12	2.00	J3-3	72.00	57.00	28.50		2	27.18	
				M1-6	2S	STH 49	24 X 24	4.00				0.00				MOUNT WITH SIGN #6-09
				M6-1	2S	DIRECTIONAL ARROW - LEFT	21 X 21	3.06				0.00				MOUNT WITH SIGN #6-09
				M3-4	2S	WEST	24 X 12	2.00				0.00				MOUNT WITH SIGN #6-09
				M1-6	2S	STH 153	24 X 24	4.00				0.00				MOUNT WITH SIGN #6-09
				M6-1A	2S	ARROW AHEAD	21 X 21	3.06				0.00				MOUNT WITH SIGN #6-09
				M3-1	2S	NORTH	24 X 12	2.00				0.00				MOUNT WITH SIGN #6-09
				M1-6	2S	STH 49	24 X 24	4.00				0.00				MOUNT WITH SIGN #6-09
				M6-1	2S	DIRECTIONAL ARROW - RIGHT	21 X 21	3.06				0.00				MOUNT WITH SIGN #6-09
6-10	1302+74 , RT	STH 153	EB	M3-2	2S	EAST	24 X 12	2.00	J4-1	24.00	36.00	6.00	1		6.00	
				M1-6	2S	STH 153	24 X 24	4.00				0.00				MOUNT WITH SIGN #6-10
7-01	63+50 , RT	STH 49	NB	M2-1	2S	JCT	21 X 15	2.20	J1-1	24.00	39.00	6.50	1		6.20	
				M1-6	2S	STH 153	24 X 24	4.00				0.00				MOUNT WITH SIGN #7-01
7-02	68+50 , RT	STH 49	NB	M3-4	2S	WEST	24 X 12	2.00	J2-2	48.00	57.00	19.00		1	18.12	
				M1-6	2S	STH 153	24 X 24	4.00				0.00				MOUNT WITH SIGN #7-02
				M5-1L	2S	ADVANCE ARROW LT TURN	21 X 21	3.06				0.00				MOUNT WITH SIGN #7-02
				M3-2	2S	EAST	24 X 12	2.00				0.00				MOUNT WITH SIGN #7-02
				M1-6	2S	STH 153	24 X 24	4.00				0.00				MOUNT WITH SIGN #7-02
				M5-1R	2S	ADVANCE ARROW RT TURN	21 X 21	3.06				0.00				MOUNT WITH SIGN #7-02
7-03	69+86 , RT	STH 49	NB	D1-3	2S	TO HWY 29; TO MOSINEE; TO HWY 45	78 X 42	22.75				0.00	2		22.75	
7-04	73+27 , RT	STH 49	NB	R2-1	2S	SPEED LIMIT 40 MPH	24 X 30	5.00				0.00	1		5.00	
8-02	80+60 , LT	STH 49	SB	D1-3		IOLA; TO HWY 45; MOSINEE	78 X 42	22.75				0.00	2		22.75	
8-03	83+50 , LT	STH 49	SB	M3-2	2S	EAST	24 X 12	2.00	J2-2	48.00	57.00	19.00		1	18.12	
				M1-6	2S	STH 153	24 X 24	4.00				0.00				MOUNT WITH SIGN #8-03
				M5-1L	2S	ADVANCE ARROW LT TURN	21 X 21	3.06				0.00				MOUNT WITH SIGN #8-03
				M3-4	2S	WEST	24 X 12	2.00				0.00				MOUNT WITH SIGN #8-03
				M1-6	2S	STH 153	24 X 24	4.00				0.00				MOUNT WITH SIGN #8-03
				M5-1R	2S	ADVANCE ARROW RT TURN	21 X 21	3.06				0.00				MOUNT WITH SIGN #8-03
8-04	88+50 , LT	STH 49	SB	M2-1	2S	JCT	21 X 15	2.20	J1-1	24.00	39.00	6.50	1		6.20	
				M1-6	2S	STH 153	24 X 24	4.00				0.00				MOUNT WITH SIGN #8-04
SUBTOTALS													10	6	173	
PROJECT TOTALS													36	10	391.17	

3

3

3

MOVING SIGNS TYPE II AND MOVING SMALL SIGN SUPPORTS

SIGN NO.	FROM STATION	TO STATION	LOCATION	DESCRIPTION	638.2102 MOVING SIGNS TYPE II EACH	638.4000 MOVING SMALL SIGN SUPPORTS EACH	REMARKS
CATEGORY 0010							
M1-01	1270+00 , RT	1270+00 , RT	STH 153	NO PASSING ZONE	1	1	
M1-02	1271+08 , RT	1271+08 , RT	STH 153	35 MPH SPEED LIMIT	1	1	
M1-03	1271+08 , LT	1271+08 , LT	STH 153	55 MPH SPEED LIMIT	1	1	
M1-04	1273+10 , LT	1273+10 , LT	STH 153	NARROW BRIDGE	1	1	
M1-05	1274+62 , RT	1274+21 . RT	STH 153	MAPLE STREET SIGN	---	---	INFORMATION ONLY; STREET SIGN MOVED BY OTHERS
M2-01	1277+05 , RT	1277+00 , RT	STH 163	ELM STREET SIGN	---	---	INFORMATION ONLY; STREET SIGN MOVED BY OTHERS
M2-02	29+70 , LT	29+55 , LT	ELM ST	NO TRUCKS OVER 8 TON	1	1	
M3-01	1282+63 , RT	1282+63 , RT	STH 153	WAUSAU STREET SIGN	---	---	INFORMATION ONLY; STREET SIGN MOVED BY OTHERS
M3-02	1286+15 , RT	1286+10 , RT	STH 153	CENTER STREET SIGN	---	---	INFORMATION ONLY; STREET SIGN MOVED BY OTHERS
M4-01	1290+63 , LT	1291+00 , LT	STH 153	PETERS STREET SIGN	---	---	INFORMATION ONLY; STREET SIGN MOVED BY OTHERS
M5-01	1293+87 , LT	1294+32 , LT	STH 153	WYLIE STREET SIGN	---	---	INFORMATION ONLY; STREET SIGN MOVED BY OTHERS
M5-02	1297+26 , LT	1297+63 , LT	STH 153	OAK STREET SIGN	---	---	INFORMATION ONLY; STREET SIGN MOVED BY OTHERS
M5-03	1298+20 , LT	1298+60 , LT	STH 153	NEIGHBORHOOD WATCH SIGN	---	---	INFORMATION ONLY; STREET SIGN MOVED BY OTHERS
PROJECT TOTALS					5	5	

TRAFFIC CONTROL

TRAFFIC CONTROL SIGNS PCMS

STAGE / LOCATION	SERVICE PERIOD DAYS	643.0300 DRUMS NO DAYS	643.0410 BARRICADES TYPE II NO DAYS	643.0420 BARRICADES TYPE III NO DAYS	643.0705 WARNING LIGHTS TYPE A NO DAYS	643.0900 SIGNS NO DAYS	REMARKS
CATEGORY 0010							
STAGE 1							
STH 153	80	0 0	0 0	14 1,120	18 1,440	14 1,120	
STH 49	80	20 1,600	0 0	0 0	0 0	4 320	
STH 153 (7-DAY CLOSURE)	9	0 0	0 0	10 90	20 180	5 45	
SIDEWALK CLOSURES	7	0 0	80 560	0 0	80 560	40 280	
STH 49	80	0 0	0 0	2 160	8 640	14 1,120	
MAPLE ST	80	0 0	0 0	0 0	0 0	1 80	
ELM ST	80	0 0	0 0	0 0	0 0	1 80	
WAUSAU ST	80	0 0	0 0	0 0	0 0	1 80	
CENTER ST	80	0 0	0 0	0 0	0 0	2 160	
PETERS ST	80	0 0	0 0	0 0	0 0	0 0	
WYLIE ST	80	0 0	0 0	0 0	0 0	0 0	
OAK ST	80	0 0	0 0	0 0	0 0	0 0	
UNDISTRIBUTED	80	10 800	0 0	7 560	5 400	10 800	
STAGE 1 SUBTOTALS		2,400	560	1,930	3,220	4,085	
STAGE 2							
STH 153	36	10 360	0 0	2 72	0 0	12 432	
STH 49	36	0 0	0 0	8 288	12 432	15 540	
UNDISTRIBUTED	36	10 100	0 0	2 72	4 144	5 180	
STAGE 2 SUBTOTALS		460	0	432	576	1,152	
PROJECT TOTALS		2,860	560	2,362	3,796	5,237	

REFERENCE LINE	DIR	643.1050 DAY	COMMENT
CATEGORY 0010			
STH 153	EB	7	PLACE APPROXIMATELY 300' PRIOR TO CONSTRUCTION START POINT IN NEW R/W AT VFW
STH 153	WB	7	PLACE AT STATION 1299+45 LT IN DITCH OFF ROADWAY SHOULDER
STH 49	NB	7	PLACE AT STATION 72+75 RT IN DITCH OFF ROADWAY SHOULDER
STH 49	SB	7	PLACE AT STATION 80+20 LT IN DITCH OFF ROADWAY SHOULDER
TOTAL		28	

REMOVING SIGNS TYPE II AND REMOVING SMALL SIGN SUPPORTS

SIGN NO.	STATION	LOCATION	DESCRIPTION	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
CATEGORY 0010						
R1-01	19+75 , RT	MAPLE ST	STOP SIGN	1	1	
R2-01	1276+05 , LT	STH 153	WEST; STH 153; BEVENT & MOSINEE	3	2	
R2-02	1276+71 , RT	STH 153	25 MPH SPEED LIMIT	1	1	
R2-03	29+67 , RT	ELM ST	STOP SIGN	1	1	
R2-04	1277+75 , LT	STH 153	35 MPH SPEED LIMIT	1	1	
R3-01	1282+18 , LT	STH 153	25 MPH SPEED LIMIT	1	1	
R3-02	1282+70 , RT	STH 153	FIRE TRUCK ENTRANCE	1	---	SIGN MOUNTED ON UTILITY POLE
R3-03	1283+59 , RT	STH 153	25 MPH SPEED LIMIT	1	1	
R3-04	39+66 , RT	WAUSAU ST	STOP SIGN	1	1	
R3-05	1285+61 , LT	STH 153	PARALLEL PARKING ONLY	1	1	
R3-06	1286+28 , LT	STH 153	STOP SIGN	1	1	
R3-07	49+70 , RT	CENTER ST	STOP SIGN	1	1	
R4-01	1288+25 , LT	STH 153	FIRE TRUCK ENTRANCE	1	1	
R4-02	1289+03 , RT	STH 153	25 MPH SPEED LIMIT	1	1	
R4-03	1290+63 , LT	STH 153	STOP SIGN	1	1	
R4-04	1291+70 , LT	STH 153	25 MPH SPEED LIMIT	1	1	
R5-01	1294+50 , RT	STH 153	JCT; STH 49	2	1	
R5-02	1296+25 , RT	STH 153	TO HWY 45; TO HWY 29; IOLA	1	1	
R5-03	1297+90 , RT	STH 153	STOP AHEAD	1	1	
R5-04	1298+20 , LT	STH 153	WEST; STH 153; 25 MPH SPEED LIMIT	3	1	
R6-01	1300+34 , RT	STH 153	STOP SIGN	1	1	
R6-02	1300+34 , RT	STH 153	NORTH;SOUTH;EAST; STH 153 AND 49	9	2	
R6-03	75+53 , LT	STH 49	EAST,SOUTH,WEST, STH 149 & 153	9	2	
R6-04	74+80 , LT	STH 49	SOUTH; STH 49	2	1	
R6-05	77+55 , RT	STH 49	NORTH; STH 49	2	1	
R6-06	75+38 , RT	STH 49	WEST, NORTH, EAST; STH 153 AND STH 49	9	2	
R6-07	1301+55 , RT	STH 153	STOP SIGN	1	1	
R6-08	1301+88 , LT	STH 153	STOP SIGN	1	1	
R6-09	1301+88 , LT	STH 153	SOUTH,WEST,NORTH, STH 153 & 49	9	2	
R6-10	1302+05 , RT	STH 153	EAST; STH 153	2	1	
R7-01	63+50 , RT	STH 49	JCT; STH 153	2	1	
R7-02	68+50 , RT	STH 49	WEST;EAST;STH 153	6	1	
R7-03	70+88 , RT	STH 49	TO HWY 29; MOSINEE; RO HWY 45	1	2	
R7-04	72+65 , RT	STH 49	40 MPG SPEED LIMIT	1	1	
R7-05	73+80 , LT	STH 49	15 MPH SCHOOL SPEED ZONE	1	1	
R7-06	68+00 RT	STH 49	15 MPH SCHOOL SPEED ZONE	1	1	
R7-07	60+30 RT	STH 49	SCHOOL, AHEAD	2	1	
R8-01	78+58 , LT	STH 49	SCHOOL, AHEAD	2	1	
R8-02	80+54 , LT	STH 49	IOLA; TO HWY 45; MOSINEE	1	2	
R8-03	88+50 , LT	STH 49	JCT; STH 153	2	1	
PROJECT TOTALS				89	46	

3

TRAFFIC CONTROL STH 153 DETOUR SIGNS

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	SIGNS IN SERVICE	643.3000 DETOUR SIGNS DAYS	643.0420 BARRICADES TYPE III ** DAYS	643.0705 WARNING LIGHTS TYPE A ** DAYS	643.1000 FIXED MESSAGE SIGNS SF	643.0910 COVERING TYPE I SIGNS EACH	643.0920 COVERING TYPE II SIGNS EACH	SIGN MESSAGE	REMARKS
CATEGORY 0010												
1	STH 153 EB	R11-3	60 X 30	1	80	80	160	---	---	---	ROAD CLOSED 1 MILE AHEAD	
2	STH 153 EB	---	---	---	---	---	---	---	---	1	EAST; STH 153	COVER WHOLE SIGN
3	STH 153 EB	R11-3	60 X 30	1	80	80	160	---	---	---	ROAD CLOSED 5 MILES AHEAD	
4	STH 153 EB	---	---	---	---	---	---	---	---	1	EAST; STH 153	COVER WHOLE SIGN
5	STH 153 EB	---	---	---	---	---	---	---	---	1	STH 153 WITH DIRECTIONAL ARROWS	COVER TWO-WAY ARROW
6	STH 153 EB	---	---	---	---	---	---	---	---	1	STH 153 WITH WITH DIRECTIONAL ARROWS	COVER TWO-WAY ARROW
7	STH 153 EB	---	---	---	---	---	---	---	---	1	EAST STH 153	COVER WHOLE SIGN
8	STH 153 EB	---	---	---	---	---	---	---	---	1	EAST STH 153	COVER WHOLE SIGN
9	STH 153 EB	---	---	---	---	---	---	---	---	1	EAST STH 153	COVER WHOLE SIGN
10	STH 153 EB	---	---	---	---	---	---	---	---	1	EAST STH 153	COVER WHOLE SIGN
11	STH 153 EB	---	---	---	---	---	---	---	---	1	EAST STH 153	COVER WHOLE SIGN
12	STH 153 EB	---	---	---	---	---	---	---	---	1	EAST STH 153 WITH RIGHT TURN ARROW	COVER WHOLE SIGN
13	STH 153 EB	---	---	---	---	---	---	---	---	1	EAST STH 153	COVER WHOLE SIGN
14	STH 153 EB	---	---	---	---	---	---	---	---	1	ELDERON; ROTHCHILD; STEVENS POINT	COVER THE ELDERON SIGN ONLY
15	I 39/STH 51 NB	---	---	---	---	---	---	---	---	1	EXIT 179; STH 153; MOSINEE ELDERON 1 MILE	COVER THE ELDERON SIGN ONLY
16	STH 153 EB	M3-2 M1-6 W20-2	24 X 12 24 X 24 48 X 48	1 1 1	---	---	---	---	---	---	EAST STH 153 DETOUR 1 MILE	
17	STH 153 EB	R11-3 --- ---	60 X 30 --- ---	1 --- ---	80 --- ---	80 --- ---	160 --- ---	--- --- ---	--- --- ---	--- --- ---	ROAD CLOSED 23 MILES AHEAD LOCAL TRAFFIC ONLY	
18	STH 153 EB	M4-8 M3-2 M1-6 MO6-1	24 X 12 24 X 12 24 X 24 21 X 21	1 1 1 1	80 80 80 80	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	DETOUR EAST STH 153 LEFT ARROW	
19	I39/STH 51 NB	M4-8 M3-2 M1-6 MO6-1	24 X 12 24 X 12 24 X 24 21 X 21	1 1 1 1	80 80 80 80	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	DETOUR EAST STH 153 AHEAD ARROW	
19A	I39/STH 51 NB	---	---	---	---	---	---	---	---	1	ELDERON	COVER ELDERON SIGN ONLY
20	I39/STH 51 NB	M3-2 M1-6 W20-2	24 X 12 24 X 24 48 X 48	1 1 1	80 80 80	--- --- ---	--- --- ---	--- --- ---	--- --- ---	--- --- ---	EAST STH 153 DETOUR AHEAD	
401	I39/STH 51 NB	---	---	---	---	---	---	18.75	---	---	HWY 153 CLOSED AT ELDERON	SEE CONST. DETAIL FOR DIMENSIONS
21	I39/STH 51 NB OFFRAMP	M3-2 M1-6 R11-3	24 X 12 24 X 24 60 X 30	1 1 1	---	---	---	---	---	---	EAST; STH 153; ROAD CLOSED 24 MILES AHEAD LOCAL TRAFFIC ONLY	
22	STH 153 EB	---	---	---	---	---	---	---	---	1	EAST STH 153	COVER WHOLE SIGN
23	I39/STH 51 NB OFFRAMP	---	---	---	---	---	---	---	---	1	MOSINEE, ELDERON	COVER ELDERON SIGN ONLY
24	I39/STH 51 NB OFFRAMP	---	---	---	---	---	---	---	---	1	EAST STH 153, RIGHT ARROW	COVER WHOLE SIGN
PAGE SUBTOTAL					1,120	240	480	19	0	17		

** = ADDITIONAL QUANTITY SHOWN ELSEWHERE.

NOTE: ONLY ONE COVER/UNCOVER CYCLE USED FOR EACH SIGN COVERING.

3

3

TRAFFIC CONTROL STH 153 DETOUR SIGNS - CONTINUED

3

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER SIGNS IN SERVICE	643.3000 DETOUR SIGNS DAYS	643.0420 BARRICADES TYPE III ** DAYS	643.0705 WARNING LIGHTS TYPE A ** DAYS	643.1000 FIXED MESSAGE SIGNS SF	643.0910 COVERING TYPE I SIGNS EACH	643.0920 COVERING TYPE II SIGNS EACH	SIGN MESSAGE	REMARKS
CATEGORY 0010												
25	STH 153 WB	M4-8 M3-2 M1-6 MO6-1	24 X 12 24 X 12 24 X 24 21 X 21	1 1 1 1	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	DETOUR EAST STH 153 RIGHT ARROW	
26	STH 153 WB	M4-8 M3-2 M1-6 MO6-1	24 X 12 24 X 12 24 X 24 21 X 21	1 1 1 1	80 80 80 80	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	DETOUR EAST STH 153 RIGHT ARROW	
27	I39/STH 51 NB	M4-8 M3-2 M1-6	24 X 12 24 X 12 24 X 24	1 1 1	80 80 80	--- --- ---	--- --- ---	--- --- ---	--- --- ---	--- --- ---	DETOUR EAST STH 153	
28	I39/STH 51 NB	G20-51	60 X 24	1	80	80	160	---	---	---	DETOUR NEXT 32 MILES	PLACE SIGN ON BARRICADE
29	STH 153 EB	M0 4-8 M 3-2 M1-6 MO 5-1L	24 X 12 24 X 12 24 X 24 21 X 21	1 1 1 1	80 80 80 80	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	DETOUR EAST STH 153 ADVANCE ARROW LEFT TURN	
29A	STH 153 EB	MO6-1 ---	21 X 21 ---	1 ---	80 ---	--- ---	--- ---	--- ---	--- ---	--- ---	LEFT ARROW	PLACE LEFT ARROW OVER EXIST. AHEAD ARROW
29B	STH 153 EB	MO5-1L ---	21 X 21 ---	1 ---	80 ---	--- ---	--- ---	--- ---	--- ---	--- ---	ADVANCE ARROW LEFT TURN	PLACE LEFT ARROW OVER EXIST. AHEAD ARROW
30	STH 153 EB	M 3-2 M1-6 R11-3	24 X 12 24 X 24 60 X 30	1 1 1	80 80 80	80 --- ---	160 --- ---	--- --- ---	--- --- ---	--- --- ---	DETOUR; STH 153 ROAD CLOSED 24 MILES AHEAD LOCAL TRAFFIC ONLY	PLACE SIGN ON BARRICADE
31	STH 153 EB	M3-2 M1-6 W20-2	24 X 12 24 X 24 48 X 48	1 1 1	80 80 80	--- --- ---	--- --- ---	--- --- ---	--- --- ---	--- --- ---	EAST STH 153 DETOUR AHEAD	
32	STH 153 WB	M4-8A MO3-4 M1-6	24 X 18 24 X 18 24 X 24	1 1 1	80 80 80	--- --- ---	--- --- ---	--- --- ---	--- --- ---	--- --- ---	END DETOUR WEST STH 153	
33	I39/US 51 SB RAMP	---	---	---	80	---	---	---	---	1	EAST, STH 153, LEFT ARROW	COVER WHOLE SIGN
34	I39/US 51 SB RAMP	M3-2 M1-6 R11-3	24 X 12 24 X 24 60 X 30	1 1 1	80 80 80	80 --- ---	160 --- ---	--- --- ---	--- --- ---	--- --- ---	EAST; STH 153 ROAD CLOSED 24 MILES AHEAD LOCAL TRAFFIC ONLY	PLACE SIGN ON BARRICADE
35	I39/US 51 SB RAMP	---	---	---	---	---	---	---	1	---	MOSINEE; ELDERON	COVER ELDERON SIGN ONLY
36	I39/US 51 SB	M0 4-8 MO3-4 M1-6 MO6-2R	24 X 12 24 X 12 24 X 24 21 X 21	1 1 1 1	80 80 80 80	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	DETOUR WEST STH 153 TILT RIGHT	
402	I39/US 51 SB	---	---	---	---	---	---	18.75	---	---	HWY 153 CLOSED AT ELDERON	SEE CONST. DETAIL FOR DIMENSIONS
37	I39/US 51 SB	---	---	---	---	---	---	---	1	---	STH 153, MOSINEE, ELDERON	COVER ELDERON SIGN ONLY
39	I39/US 51 NB	M4-8 M3-2 M1-6	24 X 12 24 X 12 24 X 24	1 1 1	80 80 80	--- --- ---	--- --- ---	--- --- ---	--- --- ---	--- --- ---	DETOUR EAST STH 153	
40	I39/US 51 NB	M4-8 M3-2 M1-6	24 X 12 24 X 12 24 X 24	1 1 1	80 80 80	--- --- ---	--- --- ---	--- --- ---	--- --- ---	--- --- ---	DETOUR EAST STH 153	

PAGE SUBTOTAL

2,960

240

480

19

2

1

** = ADDITIONAL QUANTITY SHOWN ELSEWHERE.

NOTE: ONLY ONE COVER/UNCOVER CYCLE USED FOR EACH SIGN COVERING.

3

TRAFFIC CONTROL STH 153 DETOUR SIGNS - CONTINUED

3

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	SIGNS IN SERVICE	643.3000 DETOUR SIGNS DAYS	643.0420 BARRICADES TYPE III ** DAYS	643.0705 WARNING LIGHTS TYPE A ** DAYS	643.1000 FIXED MESSAGE SIGNS SF	643.0910 COVERING TYPE I SIGNS EACH	643.0920 COVERING TYPE II SIGNS EACH	SIGN MESSAGE	REMARKS
CATEGORY 0010												
41	I39/US 51 SB	M4-8 M3-4 M1-6	24 X 12 24 X 12 24 X 24	1 1 1	80 80 80	--- --- ---	--- --- ---	--- --- ---	--- --- ---	--- --- ---	DETOUR WEST STH 153	
42	I39/US 51 SB	M4-8 M3-4 M1-6	24 X 12 24 X 12 24 X 24	1 1 1	80 80 80	--- --- ---	--- --- ---	--- --- ---	--- --- ---	--- --- ---	DETOUR WEST STH 153	
43	I39/US 51 SB	M4-8 M3-4 M1-6	24 X 12 24 X 12 24 X 24	1 1 1	80 80 80	--- --- ---	--- --- ---	--- --- ---	--- --- ---	--- --- ---	DETOUR WEST STH 153	
44	I39/US 51 SB	M3-2 M1-6 W20-2	24 X 12 24 X 24 48 X 48	1 1 1	80 80 80	--- --- ---	--- --- ---	--- --- ---	--- --- ---	--- --- ---	EAST STH 153 DETOUR 1 MILE	
45	I39/US 51 NB	M4-8 M3-2 M1-6 MO5-2R	24 X 12 24 X 12 24 X 24 24 X 24	1 1 1 1	80 80 80 80	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	DETOUR EAST STH 153 ADVANCED TILT ARROW	
46	STH 29 EB	M4-8 M3-2 M1-6	24 X 12 24 X 12 24 X 24	1 1 1	80 80 80	--- --- ---	--- --- ---	--- --- ---	--- --- ---	--- --- ---	DETOUR EAST STH 153	
46A	STH 29 EB	M4-8 M3-2 M1-6	24 X 12 24 X 12 24 X 24	1 1 1	80 80 80	--- --- ---	--- --- ---	--- --- ---	--- --- ---	--- --- ---	DETOUR EAST STH 153	
47	STH 29 WB	M4-8 M3-4 M1-6	24 X 12 24 X 12 24 X 24	1 1 1	80 80 80	--- --- ---	--- --- ---	--- --- ---	--- --- ---	--- --- ---	DETOUR WEST STH 153	
48	STH 29 WB	M4-8 M3-4 M1-6 MO5-2L	24 X 12 24 X 12 24 X 24 21 X 21	1 1 1 1	80 80 80 80	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	DETOUR WEST STH 153 ADVANCED TILT ARROW LEFT	
49	I39/US 51 NB	M4-8 M3-4 M1-6	24 X 12 24 X 12 24 X 24	1 1 1	80 80 80	--- --- ---	--- --- ---	--- --- ---	--- --- ---	--- --- ---	DETOUR WEST STH 153	
50	I39/US 51 NB OFFRAMP	M4-8 M3-2 M1-6 MO6-2R	24 X 12 24 X 12 24 X 24 21 X 21	1 1 1 1	80 80 80 80	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	DETOUR EAST STH 153 RIGHT TILT ARROW	
51	STH 29 WB OFFRAMP	M4-8 M3-4 M1-6 MO6-2L	24 X 12 24 X 12 24 X 24 21 X 21	1 1 1 1	80 80 80 80	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	DETOUR WEST STH 153 LEFT TILT ARROW	
52	STH 29 EB	M4-8 M3-2 M1-6	24 X 12 24 X 12 24 X 24	1 1 1	80 80 80	--- --- ---	--- --- ---	--- --- ---	--- --- ---	--- --- ---	DETOUR EAST STH 153	
53	STH 29 EB	G20-51	60 X 24	1	80	80	160	---	---	---	DETOUR NEXT 23 MILES	PLACE SIGN ON BARRICADE

PAGE SUBTOTAL

2,800

80

160

0

0

0

** = ADDITIONAL QUANTITY SHOWN ELSEWHERE.

NOTE: ONLY ONE COVER/UNCOVER CYCLE USED FOR EACH SIGN COVERING.

PROJECT NO: 6600-03-78

HWY: STH 153

COUNTY: MARATHON

MISCELLANEOUS QUANTITIES

SHEET

66

E

3.15

TRAFFIC CONTROL STH 153 DETOUR SIGNS - CONTINUED

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER SIGNS IN SERVICE	643.3000 DETOUR SIGNS DAYS	643.0420 BARRICADES TYPE III ** DAYS	643.0705 WARNING LIGHTS TYPE A ** DAYS	643.1000 FIXED MESSAGE SIGNS SF	643.0910 COVERING TYPE I SIGNS EACH	643.0920 COVERING TYPE II SIGNS EACH	SIGN MESSAGE	REMARKS
CATEGORY 0010												
54	STH 29 WB	M4-8	24 X 12	1	80	---	---	---	---	---	DETOUR WEST STH 153	
		M3-4	24 X 12	1	80	---	---	---	---	---		
		M1-6	24 X 24	1	80	---	---	---	---	---		
54A	STH 29 WB	M4-8	24 X 12	1	80	---	---	---	---	---	DETOUR WEST STH 153	
		M3-4	24 X 12	1	80	---	---	---	---	---		
		M1-6	24 X 24	1	80	---	---	---	---	---		
54B	STH 29 EB	M4-8	24 X 12	1	80	---	---	---	---	---	DETOUR EAST STH 153	
		M3-2	24 X 12	1	80	---	---	---	---	---		
		M1-6	24 X 24	1	80	---	---	---	---	---		
54C	STH 29 EB	M4-8	24 X 12	1	80	---	---	---	---	---	DETOUR EAST STH 153	
		M3-2	24 X 12	1	80	---	---	---	---	---		
		M1-6	24 X 24	1	80	---	---	---	---	---		
55	STH 29 WB	M4-8	24 X 12	1	80	---	---	---	---	---	DETOUR WEST STH 153	
		M3-4	24 X 12	1	80	---	---	---	---	---		
		M1-6	24 X 24	1	80	---	---	---	---	---		
55A	STH 29 WB	M4-8	24 X 12	1	80	---	---	---	---	---	DETOUR WEST STH 153	
		M3-4	24 X 12	1	80	---	---	---	---	---		
		M1-6	24 X 24	1	80	---	---	---	---	---		
55B	STH 29 WB	M4-8	24 X 12	1	80	---	---	---	---	---	DETOUR WEST STH 153	
		M3-4	24 X 12	1	80	---	---	---	---	---		
		M1-6	24 X 24	1	80	---	---	---	---	---		
56	STH 29 EB	M4-8	24 X 12	1	80	---	---	---	---	---	DETOUR EAST STH 153	
		M3-2	24 X 12	1	80	---	---	---	---	---		
		M1-6	24 X 24	1	80	---	---	---	---	---		
57	STH 29 EB	M4-8	24 X 12	1	80	---	---	---	---	---	DETOUR EAST STH 153	
		M3-2	24 X 12	1	80	---	---	---	---	---		
		M1-6	24 X 24	1	80	---	---	---	---	---		
58	STH 29 EB	M4-8	24 X 18	1	80	---	---	---	---	---	DETOUR EAST STH 153	
		M3-2	24 X 18	1	80	---	---	---	---	---		
		M1-6	24 X 24	1	80	---	---	---	---	---		
59	STH 29 EB	M4-8	24 X 12	1	80	---	---	---	---	---	DETOUR WEST STH 153	
		M3-4	24 X 12	1	80	---	---	---	---	---		
		M1-6	24 X 24	1	80	---	---	---	---	---		
60	STH 29 EB	M4-8	24 X 12	1	80	---	---	---	---	---	DETOUR WEST STH 153	
		M3-4	24 X 12	1	80	---	---	---	---	---		
		M1-6	24 X 24	1	80	---	---	---	---	---		
61	STH 29 EB	M4-8	24 X 12	1	80	---	---	---	---	---	DETOUR EAST STH 153 RIGHT ARROW	
		M3-2	24 X 12	1	80	---	---	---	---	---		
		M1-6	24 X 24	1	80	---	---	---	---	---		
		M06-1R	21 X 21	1	80	---	---	---	---	---		
62	STH 29 WB	M4-8	24 X 12	1	80	---	---	---	---	---	DETOUR WEST STH 153 ARROW AHEAD	
		M3-4	24 X 12	1	80	---	---	---	---	---		
		M1-6	24 X 24	1	80	---	---	---	---	---		
		M06-1	21 X 21	1	80	---	---	---	---	---		

PAGE SUBTOTAL

2,560

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** = ADDITIONAL QUANTITY SHOWN ELSEWHERE.

NOTE: ONLY ONE COVER/UNCOVER CYCLE USED FOR EACH SIGN COVERING.

3

TRAFFIC CONTROL STH 153 DETOUR SIGNS - CONTINUED

3

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	SIGNS IN SERVICE	643.3000 DETOUR SIGNS DAYS	643.0420 BARRICADES TYPE III ** DAYS	643.0705 WARNING LIGHTS TYPE A ** DAYS	643.1000 FIXED MESSAGE SIGNS SF	643.0910 COVERING TYPE I SIGNS EACH	643.0920 COVERING TYPE II SIGNS EACH	SIGN MESSAGE	REMARKS
CATEGORY 0010												
63	STH 29 WB	M4-8	24 X 12	1	80	---	---	---	---	---	DETOUR WEST STH 153 ARROW AHEAD	
		M3-4	24 X 12	1	80	---	---	---	---	---		
		M1-6	24 X 24		80	---	---	---	---	---		
		MO6-1	21 X 21	1	80	---	---	---	---	---		
64	STH 29 WB	M3-4	24 X 12	1	80	---	---	---	---	---	WEST STH 153 DETOUR AHEAD	
		M1-6	24 X 24	1	80	---	---	---	---	---		
		W20-2	48 X 48	1	80	---	---	---	---	---		
403	STH 29 WB	---	---	---	---	---	---	18.75	---	---	HWY 153 CLOSED AT ELDERON	SEE CONST. DETAIL FOR DIMENSIONS
65	STH 49 NB	M4-8	24 X 12	1	80	---	---	---	---	---	DETOUR WEST STH 153 ADVANCED LEFT ARROW	
		M3-4	24 X 12	1	80	---	---	---	---	---		
		M1-6	24 X 24	1	80	---	---	---	---	---		
		MO5-1L	21 X 21	1	80	---	---	---	---	---		
66	STH 49 SB	M4-8	24 X 12	1	80	---	---	---	---	---	WEST, STH 153, ROAD CLOSED 3 MILES AHEAD LOCAL TRAFFIC ONLY	
		M1-6	24 X 24	1	80	---	---	---	---	---		
		R11-3	60 X 30	1	80	---	---	---	---	---		
67	STH 49 SB	M4-8	24 X 12	1	80	---	---	---	---	---	DETOUR EAST STH 153	
		M3-4	24 X 12	1	80	---	---	---	---	---		
		M1-6	24 X 24	1	80	---	---	---	---	---		
68	STH 29 WB	M3-4	24 X 12	1	80	---	---	---	---	---	WEST STH 153 DETOUR 1 MILE AHEAD	
		M1-6	24 X 24	1	80	---	---	---	---	---		
		W20-2	48 X 48	1	80	---	---	---	---	---		
68A	STH 153 WB	M3-4	24 X 12	1	80	---	---	---	---	---	WEST STH 153 DETOUR 1 MILE AHEAD	
		M1-6	24 X 24	1	80	---	---	---	---	---		
		W20-2	48 X 48	1	80	---	---	---	---	---		
68B	STH 49 NB	M3-4	24 X 12	1	80	---	---	---	---	---	WEST STH 153 DETOUR 1 MILE AHEAD	
		M1-6	24 X 24	1	80	---	---	---	---	---		
		W20-2	48 X 48	1	80	---	---	---	---	---		
71	STH 49 NB	---	---	1	80	---	---	---	---	---	DETOUR NEXT 32 MILES	
72	STH 49 NB	M4-8	24 X 12	1	80	---	---	---	---	---	DETOUR EAST STH 153	
		M3-4	24 X 12	1	80	---	---	---	---	---		
		M1-6	24 X 24	1	80	---	---	---	---	---		
73	STH 153 WB	M4-8	24 X 12	1	80	---	---	---	---	1	DETOUR WEST STH 153 RIGHT ARROW	COVER WEST STH 153 AHEAD SIGN ONLY
		M3-4	24 X 12	1	80	---	---	---	---			
		M1-6	24 X 24	1	80	---	---	---	---			
		MO6-1	21 X 21	1	80	---	---	---	---			
74	STH 153 WB	M4-8	24 X 12	1	80	---	---	---	---	---	DETOUR WEST STH 153 ADVANCED ARROW RIGHT	
		M3-4	24 X 12	1	80	---	---	---	---			
		M1-6	24 X 24	1	80	---	---	---	---			
		MO5-1R	21 X 21	1	80	---	---	---	---			
75	STH 153 WB	M3-4	24 X 12	1	80	---	---	---	---	---	WEST STH 153 DETOUR AHEAD	
		M1-6	24 X 24	1	80	---	---	---	---	---		
		W20-2	48 X 48	1	80	---	---	---	---	---		
76	STH 153 WB	MO6-1	21 X 21	1	80	---	---	---	---	---	MOSINEE,IOLA,HWY 29	COVER ARROW AHEAD SIGN WITH ARROW RIGHT SIGN
77	STH 49 SB	---	---	---	---	---	---	---	---	1	IOLA,TO HWY 45,MOSINEE	COVER MOSINEE SIGN ONLY
PAGE SUBTOTAL					2,240	0	0	0	0	2		

** = ADDITIONAL QUANTITY SHOWN ELSEWHERE.

NOTE: ONLY ONE COVER/UNCOVER CYCLE USED FOR EACH SIGN COVERING.

3

TRAFFIC CONTROL STH 153 DETOUR SIGNS - CONTINUED

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER SIGNS IN SERVICE	643.3000 DETOUR SIGNS DAYS	643.0420 BARRICADES TYPE III ** DAYS	643.0705 WARNING LIGHTS TYPE A ** DAYS	643.1000 FIXED MESSAGE SIGNS SF	643.0910 COVERING TYPE I SIGNS EACH	643.0920 COVERING TYPE II SIGNS EACH	SIGN MESSAGE	REMARKS
CATEGORY 0010												
78	STH 49 SB	M4-8 M3-2 M1-6 MO5-1L	24 X 12 24 X 12 24 X 24 21 X 21	1 1 1 1	80 80 80 80	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	DETOUR EAST STH 153 ADVANCED LEFT ARROW	
79	STH 49 SB	---	---	---	---	---	---	---	---	1	153 EAST, 49 AHEAD, 153 WEST	ONLY COVER STH 153 WEST
80	STH 153 EB	M4-8A M3-2 M1-6	24 X 18 24 X 12 24 X 24	1 1 1	80 80 80	--- --- ---	--- --- ---	--- --- ---	--- --- ---	--- --- ---	END DETOUR EAST STH 153	
81	STH 49 NB	---	---	---	---	---	---	---	---	1	153 WEST, 49 NORTH, 153 EAST	ONLY COVER STH 153 WEST
82	STH 49 NB	M4-8 M3-4 M1-6 MO6-1	24 X 12 24 X 12 24 X 24 21 X 21	1 1 1 1	80 80 80 80	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	DETOUR WEST STH 153 ARROW AHEAD	
83	STH 49 NB	M3-4 M1-6 W20-2	24 X 12 24 X 24 48 X 48	1 1 1	80 80 80	--- --- ---	--- --- ---	--- --- ---	--- --- ---	--- --- ---	WEST STH 153 DETOUR AHEAD	
84	STH 49 NB	MO6-1 ---	21 X 21 ---	1 ---	80 ---	--- ---	--- ---	--- ---	--- ---	--- ---	ARROW AHEAD	COVER RIGHT ARROW WITH ARROW AHEAD SIGN

PAGE SUBTOTAL	1,200	0	0	0	0	2	
STH 153 DETOUR TOTALS	12,880	560	1,120	38	2	22	

** = ADDITIONAL QUANTITY SHOWN ELSEWHERE.

NOTE: ONLY ONE COVER/UNCOVER CYCLE USED FOR EACH SIGN COVERING.

3

3

TRAFFIC CONTROL STH 49 DETOUR SIGNS

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	SIGNS IN SERVICE	643.3000 DETOUR SIGNS DAYS	643.0420 BARRICADES TYPE III ** DAYS	643.0705 WARNING LIGHTS TYPE A ** DAYS	643.1000 FIXED MESSAGE SIGNS SF	643.0910 COVERING TYPE I SIGNS EACH	643.0920 COVERING TYPE II SIGNS EACH	SIGN MESSAGE	REMARKS
CATEGORY 0010												
100	STH 49 NB	R11-3	60 X 30	1	36	36	72	---	---	---	R.C. 1 MILE AHEAD	PLACE SIGN ON BARRICADE
101	STH 49 NB	---	---	---	---	---	---	---	---	1	ELDERON	COVER WHOLE SIGN
102	STH 49 NB	R11-3	60 X 30	1	36	36	72	---	---	---	R.C. 6 MILES AHEAD	PLACE SIGN ON BARRICADE
		M3-1	24 X 12	1	36	---	---	---	---	---	NORTH	
		M1-6	24 X 24	1	36	---	---	---	---	---	STH 49	
103	STH 49 NB	---	---	---	---	---	---	---	---	1	NORTH STH 49	COVER WHOLE SIGN
103A	STH 49 NB	---	---	---	---	---	---	---	---	1	NORTH STH 49	COVER WHOLE SIGN
104	STH 49 NB	---	---	---	---	---	---	---	---	1	NORTH STH 49	COVER WHOLE SIGN
105	STH 66 EB	M4-8	24 X 12	1	36	---	---	---	---	---	DETOUR	
		M3-1	24 X 12	1	36	---	---	---	---	---	NORTH	
		M1-6	24 X 24	1	36	---	---	---	---	---	STH 49	
		MO6-1	21 X 21	1	36	---	---	---	---	---	ARROW AHEAD	
106	STH 66 EB	---	---	---	---	---	---	---	---	1	NORTH STH 49	COVER LEFT ARROW ONLY
107	STH 49 NB	R11-3	60 X 30	1	36	36	72	---	---	---	R.C. 12 MILES AHEAD	PLACE SIGN ON BARRICADE
109	STH 49 NB	---	---	---	---	---	---	---	---	1	ELDERON	COVER WHOLE SIGN
110	STH 66 WB	---	---	---	---	---	---	---	---	1	NORTH STH 49 RIGHT ARROW	COVER WHOLE SIGN
111	STH 66 EB	M3-1	24 X 12	1	36	---	---	---	---	---	NORTH	
		M1-6	24 X 24	1	36	---	---	---	---	---	STH 49	
		W20-2	48 X 48	1	36	---	---	---	---	---	DETOUR 1 MILE	
404	STH 66 EB	---	---	---	---	---	---	18.75	---	---	HWY 49 CLOSED AT ELDERON	SEE CONST. DETAIL FOR DIMENSIONS
112	STH 49 NB	---	---	---	---	---	---	---	---	1	NORTH STH 49	COVER WHOLE SIGN
112A	STH 49 NB	---	---	---	---	---	---	---	---	1	NORTH STH 49	COVER WHOLE SIGN
112B	STH 49 NB	---	---	---	---	---	---	---	---	1	NORTH STH 49	COVER WHOLE SIGN
112C	STH 49 NB	---	---	---	---	---	---	---	---	1	NORTH STH 49	COVER WHOLE SIGN
113	STH 49 NB	---	---	---	---	---	---	---	---	1	NORTH STH 49	COVER WHOLE SIGN
114	STH 49 NB	---	---	---	---	---	---	---	---	1	ROSHOLT, STEVENS POINT, ELDERON	COVER ELDERON SIGN ONLY
115	STH 49 NB	M3-1	24 X 12	1	36	---	---	---	---	---	NORTH	
		M1-6	24 X 24	1	36	---	---	---	---	---	STH 49	
		W20-2	48 X 48	1	36	---	---	---	---	---	DETOUR 1 MILE	
115A	CTH G NB	M3-1	24 X 12	1	36	---	---	---	---	---	NORTH	
		M1-6	24 X 24	1	36	---	---	---	---	---	STH 49	
		W20-2	48 X 48	1	36	---	---	---	---	---	DETOUR 1 MILE	
116	STH 49 NB	---	---	---	---	---	---	---	---	1	NORTH STH 49	COVER WHOLE SIGN
116A	STH 49 NB	---	---	---	---	---	---	---	1	---	NORTHLAND, ELDERON	COVER ELDERON SIGN ONLY
117	STH 49 NB	R11-3	60 X 30	1	36	---	---	---	---	---	R.C. 25 MILES AHEAD	PLACE SIGN ON BARRICADE
118	STH 49 NB	---	---	---	---	---	---	---	1	---	ELDERON	COVER ELDERON SIGN ONLY
119	STH 161 EB	M3-1	24 X 12	1	36	---	---	---	---	---	NORTH	
		M1-6	24 X 24	1	36	---	---	---	---	---	STH 49	
		W20-2	48 X 48	1	36	---	---	---	---	---	DETOUR AHEAD	
405	STH 161 EB	---	---	---	---	---	---	18.75	---	---	HWY 49 CLOSED AT ELDERON	SEE CONST. DETAIL FOR DIMENSIONS
120	STH 49 SB	M4-8	24 X 12	1	36	---	---	---	---	---	DETOUR	
		M3-1	24 X 12	1	36	---	---	---	---	---	NORTH	
		M1-6	24 X 24	1	36	---	---	---	---	---	STH 49	
121	STH 49 NB	---	---	---	---	---	---	---	---	1	NORTH 49, WEST 161	COVER NORTH 49 ONLY
122	STH 161 EB	M4-8	24 X 12	1	36	---	---	---	---	---	DETOUR	
		M3-1	24 X 12	1	36	---	---	---	---	---	NORTH	
		M1-6	24 X 24	1	36	---	---	---	---	---	STH 49	
		MO6-1	21 X 21	1	36	---	---	---	---	---	RIGHT ARROW	
122A	STH 49 NB	---	---	---	---	---	---	---	---	1	161, 49, RIGHT ARROW	COVER STH 49 ARROW ONLY

PAGE SUBTOTAL

1,044

108

216

38

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16

** = ADDITIONAL QUANTITY SHOWN ELSEWHERE.

NOTE: ONLY ONE COVER/UNCOVER CYCLE USED FOR EACH SIGN COVERING.

PROJECT NO: 6600-03-78

HWY: STH 153

COUNTY: MARATHON

MISCELLANEOUS QUANTITIES

SHEET

70

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3.19

3

TRAFFIC CONTROL STH 49 DETOUR SIGNS - CONTINUED

3

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	SIGNS IN SERVICE	643.3000 DETOUR SIGNS DAYS	643.0420 BARRICADES TYPE III ** DAYS	643.0705 WARNING LIGHTS TYPE A ** DAYS	643.1000 FIXED MESSAGE SIGNS SF	643.0910 COVERING TYPE I SIGNS EACH	643.0920 COVERING TYPE II SIGNS EACH	SIGN MESSAGE	REMARKS
CATEGORY 0010												
123	CTH G NB	M4-8	24 X 12	1	36	---	---	---	---	---	DETOUR	
		M3-1	24 X 12	1	36	---	---	---	---	---	NORTH	
		M1-6	24 X 24	1	36	---	---	---	---	---	STH 49	
		MO6-1	21 X 21	1	36	---	---	---	---	---	LEFT ARROW	
124	CTH G NB	M3-1	24 X 12	1	36	---	---	---	---	---	NORTH	
	OFFRAMP	M1-6	24 X 24	1	36	---	---	---	---	---	STH 49	
		W20-2	48 X 48	1	36	---	---	---	---	---	DETOUR AHEAD	
125	CTH G NB	M4-8	24 X 12	1	36	---	---	---	---	---	DETOUR	
		M3-1	24 X 12	1	36	---	---	---	---	---	NORTH	
		M1-6	24 X 24	1	36	---	---	---	---	---	STH 49	
		MO5-1R	21 X 21	1	36	---	---	---	---	---	ADVANCED RIGHT ARROW	
126	STH 161 EB	M4-8	24 X 12	1	36	---	---	---	---	---	DETOUR	
		M3-1	24 X 12	1	36	---	---	---	---	---	NORTH	
		M1-6	24 X 24	1	36	---	---	---	---	---	STH 49	
		MO6-1	21 X 21	1	36	---	---	---	---	---	ARROW AHEAD	
127	STH 161 EB	M4-8	24 X 12	1	36	---	---	---	---	---	DETOUR	
		M3-1	24 X 12	1	36	---	---	---	---	---	NORTH	
		M1-6	24 X 24	1	36	---	---	---	---	---	STH 49	
		MO6-1	21 X 21	1	36	---	---	---	---	---	ARROW AHEAD	
128	STH 161 WB	---	---	---	---	---	---	---	---	1	49 NORTH & 161 WEST	COVER 49 NORTH SIGN ONLY
129	STH 161 WB	---	---	---	---	---	---	---	---	1	49 NORTH & 161 WEST	COVER 49 NORTH SIGN ONLY
130	STH 161 EB	M4-8	24 X 12	1	36	---	---	---	---	---	DETOUR	
		M3-1	24 X 12	1	36	---	---	---	---	---	NORTH	
		M1-6	24 X 24	1	36	---	---	---	---	---	STH 49	
		MO6-1	21 X 21	1	36	---	---	---	---	---	ARROW AHEAD	
131	STH 49 NB	M4-8	21 X 21	1	36	---	---	---	---	---	DETOUR	PLACE LEFT ARROW OVER
		M3-1	24 X 12	1	36	---	---	---	---	---	NORTH	
		M1-6	24 X 24	1	36	---	---	---	---	---	STH 49	
		MO6-1	21 X 21	1	36	---	---	---	---	---	RIGHT ARROW	
132	STH 49 NB					---	---	---	---	1	49 NORTH,161 WEST,161 EAST	COVER 49 NORTH ARROW ONLY
133	STH 161 WB	M4-8A	24 X 18	1	36	---	---	---	---	---	END DETOUR	
		M3-3	24 X 12	1	36	---	---	---	---	---	SOUTH	
		M1-6	24 X 24	1	36	---	---	---	---	---	STH 49	
134	STH 161 WB					---	---	---	---	1	NELSONVILLE,ELDERON,SCANDINAVIA	COVER ELDERON SIGN ONLY
135	STH 161 EB	M4-8	24 X 12	1	36	---	---	---	---	---	DETOUR	
		M3-1	24 X 12	1	36	---	---	---	---	---	NORTH	
		M1-6	24 X 24	1	36	---	---	---	---	---	STH 49	
136	STH 153 WB	M4-8	24 X 12	1	36	---	---	---	---	---	DETOUR	
		M3-1	24 X 12	1	36	---	---	---	---	---	NORTH	
		M1-6	24 X 24	1	36	---	---	---	---	---	STH 49	
		MO6-1	21 X 21	1	36	---	---	---	---	---	RIGHT ARROW	
406	STH 49 NB	---	---	---	---	---	---	18.75	---	---	HWY 49 CLOSED AT ELDERON	SEE CONST. DETAIL FOR DIMENSIONS
137	STH 49 NB	---	---	---	---	---	---	---	1	---	ELDERON,NELSONVILLE,SYMCO	COVER ELDERON SIGN ONLY
138	STH 49 NB	M3-1	24 X 12	1	36	---	---	---	---	---	NORTH	
		M1-6	24 X 24	1	36	---	---	---	---	---	STH 49	
		W20-2	48 X 48	1	36	---	---	---	---	---	DETOUR AHEAD	

** = ADDITIONAL QUANTITY SHOWN ELSEWHERE.

NOTE: ONLY ONE COVER/UNCOVER CYCLE USED FOR EACH SIGN COVERING.

3

TRAFFIC CONTROL STH 49 DETOUR SIGNS - CONTINUED												
SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER SIGNS IN SERVICE	643.3000 DETOUR SIGNS DAYS	643.0420 BARRICADES TYPE III ** DAYS	643.0705 WARNING LIGHTS TYPE A ** DAYS	643.1000 FIXED MESSAGE SIGNS SF	643.0910 COVERING TYPE I SIGNS EACH	643.0920 COVERING TYPE II SIGNS EACH	SIGN MESSAGE	REMARKS
CATEGORY 0010												
139	STH 49 NB	M4-8 M3-1 M1-6 MO5-1R	24 X 12 24 X 12 24 X 24 21 X 21	1 1 1 1	36 36 36 36	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	DETOUR NORTH STH 49 ADVANCED RIGHT ARROW	
140	STH 49 NB	---	---	---	---	---	---	---	---	1	NORTH STH 49 LEFT	COVER WHOLE SIGN
141	STH 161 WB	M4-8 M3-3 M1-6	24 X 12 24 X 12 24 X 24	1 1 1	36 36 36	--- --- ---	--- --- ---	--- --- ---	--- --- ---	--- --- ---	DETOUR SOUTH STH 49	
141A	STH 161 WB	M4-8 M3-3 M1-6	24 X 12 24 X 12 24 X 24	1 1 1	36 36 36	--- --- ---	--- --- ---	--- --- ---	--- --- ---	--- --- ---	DETOUR SOUTH STH 49	
142	STH 161 EB	M4-8 M3-1 M1-6	24 X 12 24 X 12 24 X 24	1 1 1	36 36 36	--- --- ---	--- --- ---	--- --- ---	--- --- ---	--- --- ---	DETOUR NORTH STH 49	
142A	STH 161 EB	M4-8 M3-1 M1-6	24 X 12 24 X 12 24 X 24	1 1 1	36 36 36	--- --- ---	--- --- ---	--- --- ---	--- --- ---	--- --- ---	DETOUR NORTH STH 49	
142B	STH 161 WB	M4-8 M3-1 M1-6	24 X 12 24 X 12 24 X 24	1 1 1	36 36 36	--- --- ---	--- --- ---	--- --- ---	--- --- ---	--- --- ---	DETOUR NORTH STH 49	
143	STH 110 SB	M4-8 M3-3 M1-6 MO6-1	24 X 12 24 X 12 24 X 24 21 X 21	1 1 1 1	36 36 36 36	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	DETOUR SOUTH STH 49 RIGHT ARROW	
144	STH 161 EB	M4-8 M3-1 M1-6 MO6-1	24 X 12 24 X 12 24 X 24 24 X 24	1 1 1 1	36 36 36 36	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	DETOUR NORTH STH 49 LEFT ARROW	
145	STH 110/STH 22 NB	M3-1 M1-6 W20-2	24 X 12 24 X 24 48 X 48	1 1 1	36 36 36	--- --- ---	--- --- ---	--- --- ---	--- --- ---	--- --- ---	NORTH STH 49 DETOUR AHEAD	
146	STH 110/STH 22 NB	M4-8 M3-1 M1-6 MO5-1L	24 X 12 24 X 12 24 X 24 21 X 21	1 1 1 1	36 36 36 36	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	DETOUR NORTH STH 49 ADVANCED ARROW LEFT	
147	STH 110/STH 22 NB	M4-8 M3-1 M1-6 MO6-1	24 X 12 24 X 12 24 X 24 21 X 21	1 1 1 1	36 36 36 36	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	DETOUR NORTH STH 49 LEFT ARROW	
407	STH 110/STH 22 NB	---	---	---	---	---	---	18.75	---	---	HWY 49 CLOSED AT ELDERON	SEE CONST. DETAIL FOR DIMENSIONS
148	STH 22 WB	M3-1 M1-6 W20-2	24 X 12 24 X 24 48 X 48	1 1 1	36 36 36	--- --- ---	--- --- ---	--- --- ---	--- --- ---	--- --- ---	NORTH STH 49 DETOUR AHEAD	
149	STH 22 WB	M4-8 M3-1 M1-6 MO6-1	24 X 12 24 X 12 24 X 24 21 X 21	1 1 1 1	36 36 36 36	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	DETOUR NORTH STH 49 RIGHT ARROW	
408	STH 22 WB	---	---	---	---	---	---	18.75	---	---	HWY 49 CLOSED AT ELDERON	SEE CONST. DETAIL FOR DIMENSIONS
PAGE SUBTOTAL					1,620	0	0	38	0	1		
** = ADDITIONAL QUANTITY SHOWN ELSEWHERE.					NOTE: ONLY ONE COVER/UNCOVER CYCLE USED FOR EACH SIGN COVERING.							
PROJECT NO: 6600-03-78					HWY: STH 153			COUNTY: MARATHON		MISCELLANEOUS QUANTITIES		SHEET 72 E
FILE NAME: F:\Transportation\E1703L05\Sheets\plan\66000308_030201_mq.ppt					ORIGINATOR: OMNNI ASSOCIATES			ORIG. DATE:		REV. DATE:		PRINT DATE: March 12, 2013

3

3

NOTE: ONLY ONE COVER/UNCOVER CYCLE USED FOR EACH SIGN COVERING.

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NOTE: ONLY ONE COVER/UNCOVER CYCLE USED FOR EACH SIGN COVERING.

3

3

TRAFFIC CONTROL STH 49 DETOUR SIGNS - CONTINUED

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER SIGNS IN SERVICE	643.3000 DETOUR SIGNS DAYS	643.0420 BARRICADES TYPE III ** DAYS	643.0705 WARNING LIGHTS TYPE A ** DAYS	643.1000 FIXED MESSAGE SIGNS SF	643.0910 COVERING TYPE I SIGNS EACH	643.0920 COVERING TYPE II SIGNS EACH	SIGN MESSAGE	REMARKS
CATEGORY 0010												
168	USH 45 SB	M4-8	24 X 12	1	36	---	---	---	---	---	DETOUR	
		M3-3	24 X 12	1	36	---	---	---	---	---	SOUTH	
		M1-6	24 X 24	1	36	---	---	---	---	---	STH 49	
169	STH 153 EB	M4-8	24 X 12	1	36	---	---	---	---	---	DETOUR	
		M3-1	24 X 12	1	36	---	---	---	---	---	NORTH	
		M1-6	24 X 24	1	36	---	---	---	---	---	STH 49	
		MO6-1	21 X 21	1	36	---	---	---	---	---	LEFT ARROW	
		M4-8	24 X 12	1	36	---	---	---	---	---	DETOUR	
		M3-3	24 X 12	1	36	---	---	---	---	---	SOUTH	
		M1-6	24 X 24	1	36	---	---	---	---	---	STH 49	
170	STH 153 EB	MO6-1	21 X 21	1	36	---	---	---	---	---	RIGHT ARROW	
		M4-8	24 X 12	1	36	---	---	---	---	---	DETOUR	
		M3-1	24 X 12	1	36	---	---	---	---	---	NORTH	
		M1-6	24 X 24	1	36	---	---	---	---	---	STH 49	
		MO5-1L	21 X 21	1	36	---	---	---	---	---	ADVANCED LEFT ARROW	
		M4-8	24 X 12	1	36	---	---	---	---	---	DETOUR	
		M3-3	24 X 12	1	36	---	---	---	---	---	SOUTH	
171	USH 45 NB	M1-6	24 X 24	1	36	---	---	---	---	---	STH 49	
		MO5-1R	21 X 21	1	36	---	---	---	---	---	ADVANCED RIGHT ARROW	
		M4-8	24 X 12	1	36	---	---	---	---	---	DETOUR	
		M3-1	24 X 12	1	36	---	---	---	---	---	NORTH	
172	USH 45 SB	M1-6	24 X 24	1	36	---	---	---	---	---	STH 49	
		MO6-1	21 X 21	1	36	---	---	---	---	---	ARROW AHEAD	
		M4-8	24 X 12	1	36	---	---	---	---	---	DETOUR	
		M3-3	24 X 12	1	36	---	---	---	---	---	SOUTH	
409	USH 45 SB	M1-6	24 X 24	1	36	---	---	---	---	---	STH 49	
		MO6-1	21 X 21	1	36	---	---	---	---	---	ARROW AHEAD	
		M4-8	24 X 12	1	36	---	---	18.75	---	---	DETOUR	
		M3-3	24 X 12	1	36	---	---	18.75	---	---	SOUTH	
410	USH 45 SB	M1-6	24 X 24	1	36	---	---	18.75	---	---	STH 49	
		MO6-1	21 X 21	1	36	---	---	18.75	---	---	ARROW AHEAD	
		M4-8	24 X 12	1	36	---	---	---	---	---	DETOUR	
		M3-3	24 X 12	1	36	---	---	---	---	---	SOUTH	
411	USH 45 SB	M1-6	24 X 24	1	36	---	---	---	---	---	STH 49	
		MO6-1	21 X 21	1	36	---	---	---	---	---	ARROW AHEAD	
		M4-8	24 X 12	1	36	---	---	---	---	---	DETOUR	
173	STH 29 EB/USH 45 SB	M3-3	24 X 12	1	36	---	---	---	---	---	SOUTH	
		M1-6	24 X 24	1	36	---	---	---	---	---	STH 49	
		M4-8	24 X 12	1	36	---	---	---	---	---	DETOUR	
173A	STH 29 EB/USH 45 SB	M3-3	24 X 12	1	36	---	---	---	---	---	SOUTH	
		M1-6	24 X 24	1	36	---	---	---	---	---	STH 49	
		M4-8	24 X 12	1	36	---	---	---	---	---	DETOUR	
174	STH 29 WB	M3-3	24 X 12	1	36	---	---	---	---	---	SOUTH	
		M1-6	24 X 24	1	36	---	---	---	---	---	STH 49	
		W20-2	48 X 48	1	36	---	---	---	---	---	DETOUR 1 MILE	
175	STH 29 WB	M4-8	24 X 12	1	36	---	---	---	---	---	DETOUR	
		M3-1	24 X 12	1	36	---	---	---	---	---	NORTH	
		M1-6	24 X 24	1	36	---	---	---	---	---	STH 49	
176	USH 45 SB	M4-8	24 X 12	1	36	---	---	---	---	---	DETOUR	
		M3-3	24 X 12	1	36	---	---	---	---	---	SOUTH	
		M1-6	24 X 24	1	36	---	---	---	---	---	STH 49	
177	USH 45 NB	M4-8	24 X 12	1	36	---	---	---	---	---	DETOUR	
		M3-1	24 X 12	1	36	---	---	---	---	---	NORTH	
		M1-6	24 X 24	1	36	---	---	---	---	---	STH 49	
		M4-20L	24 X 24	1	36	---	---	---	---	---	USE LEFT LANE	

** = ADDITIONAL QUANTITY SHOWN ELSEWHERE.

NOTE: ONLY ONE COVER/UNCOVER CYCLE USED FOR EACH SIGN COVERING.

PROJECT NO: 6600-03-78

HWY: STH 153

COUNTY: MARATHON

MISCELLANEOUS QUANTITIES

SHEET

75

E

3.24

3

TRAFFIC CONTROL STATE HWY 49 DETOUR SIGNS - CONTINUED

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER SIGNS IN SERVICE	643.3000 DETOUR SIGNS DAYS	643.0420 BARRICADES TYPE III ** DAYS	643.0705 WARNING LIGHTS TYPE A ** DAYS	643.1000 FIXED MESSAGE SIGNS SF	643.0910 COVERING TYPE I SIGNS EACH	643.0920 COVERING TYPE II SIGNS EACH	SIGN MESSAGE	REMARKS
CATEGORY 0010												
178	USH 45 SB	M4-8 M3-3 M1-6 MO6-1	24 X 12 24 X 12 24 X 24 21 X 21	1 1 1 1	36 36 36 36	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	DETOUR SOUTH STH 49 RIGHT ARROW	
179	STH 29 EB	M4-8 M3-3 M1-6 MO6-2R	24 X 12 24 X 12 24 X 24 21 X 21	1 1 1 1	36 36 36 36	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	DETOUR SOUTH STH 49 TILT ARROW RIGHT	
180	STH 29 EB	M4-8 M3-3 M1-6 MO5-1R	24 X 12 24 X 12 24 X 24 21 X 21	1 1 1 1	36 36 36 36	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	DETOUR SOUTH STH 49 ADVANCED ARROW RIGHT	
181	STH 29 WB	M4-8 M3-1 M1-6	24 X 12 24 X 12 24 X 24	1 1 1	36 36 36	--- --- ---	--- --- ---	--- --- ---	--- --- ---	--- --- ---	DETOUR NORTH STH 49	
182	USH 45 SB	M4-8 M3-1 M1-6 MO6-1	24 X 12 24 X 12 24 X 24 21 X 21	1 1 1 1	36 36 36 36	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	DETOUR NORTH STH 49 LEFT ARROW	
183	STH 29 WB OFFRAMP	M4-8 M3-3 M1-6 MO5-1L	24 X 12 24 X 12 24 X 24 21 X 21	1 1 1 1	36 36 36 36	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	DETOUR SOUTH STH 49 ADVANCED ARROW LEFT	
184	STH 29 WB	M4-8 M3-1 M1-6 MO5-1L	24 X 12 24 X 12 24 X 24 21 X 21	1 1 1 1	36 36 36 36	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	DETOUR NORTH STH 49 ADVANCED ARROW LEFT	
185	STH 29 WB OFFRAMP	M4-8 M3-3 M1-6 MO6-2R	24 X 12 24 X 12 24 X 24 21 X 21	1 1 1 1	36 36 36 36	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	DETOUR SOUTH STH 49 TILT ARROW RIGHT	
412	STH 29 WB	---	---	---	---	---	---	18.75	---	---	HWY 49 CLOSED AT ELDERON	SEE CONST. DETAIL FOR DIMENSIONS
186	STH 29 WB	M3-3 M1-6 W20-2	24 X 12 24 X 24 48 X 48	1 1 1	36 36 36	--- --- ---	--- --- ---	--- --- ---	--- --- ---	--- --- ---	SOUTH STH 49 DETOUR AHEAD	
187	STH 29 WB	M4-8 M3-1 M1-6	24 X 12 24 X 12 24 X 24	1 1 1	36 36 36	--- --- ---	--- --- ---	--- --- ---	--- --- ---	--- --- ---	DETOUR NORTH STH 49	
188	STH 29 EB	M3-3 M1-6 W20-2	24 X 12 24 X 24 48 X 48	1 1 1	36 36 36	--- --- ---	--- --- ---	--- --- ---	--- --- ---	--- --- ---	SOUTH STH 49 DETOUR 1 MILE	
189	STH 29 WB	M4-8A M3-1 M1-6	24 X 18 24 X 12 24 X 24	1 1 1	36 36 36	--- --- ---	--- --- ---	--- --- ---	--- --- ---	--- --- ---	END DETOUR NORTH STH 49	
190	STH 29 WB	---	---	---	---	---	---	---	---	2	SOUTH 49, WEST 29, ELEDERON	COVER ELEDERON & SOUTH 49 SIGN
191	STH 29 WB	---	---	---	---	---	---	---	---	1	SOUTH 49	COVER WHOLE SIGN

PAGE SUBTOTAL

1,548

0

0

19

0

3

** = ADDITIONAL QUANTITY SHOWN ELSEWHERE.

NOTE: ONLY ONE COVER/UNCOVER CYCLE USED FOR EACH SIGN COVERING.

PROJECT NO: 6600-03-78

HWY: STH 153

COUNTY: MARATHON

MISCELLANEOUS QUANTITIES

SHEET

76

E

3.25

3

TRAFFIC CONTROL STATE HWY 49 DETOUR SIGNS - CONTINUED

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER SIGNS IN SERVICE	643.3000 DETOUR SIGNS DAYS	643.0420 BARRICADES TYPE III ** DAYS	643.0705 WARNING LIGHTS TYPE A ** DAYS	643.1000 FIXED MESSAGE SIGNS SF	643.0910 COVERING TYPE I SIGNS EACH	643.0920 COVERING TYPE II SIGNS EACH	SIGN MESSAGE	REMARKS
CATEGORY 0010												
192	STH 29 EB	M4-8 M3-3 M1-6 MO6-1	24 X 12 24 X 12 24 X 24 21 X 21	1 1 1 1	36 36 36 36	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	DETOUR SOUTH STH 49 ARROW AHEAD	
193	STH 29 EB	---	---	---	---	---	---	---	---	1	ELDERON	COVER WHOLE SIGN
413	STH 29 EB	---	---	---	---	---	---	18.75	---	---	HWY 49 CLOSED AT ELDERON	SEE CONST. DETAIL FOR DIMENSIONS
194	STH 29 EB	M4-8 M3-3 M1-6 MO6-1	24 X 12 24 X 12 24 X 24 21 X 21	1 1 1 1	36 36 36 36	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	DETOUR SOUTH STH 49 ARROW AHEAD	
195	STH 29 EB	M3-3 M1-6 W20-2	24 X 12 24 X 24 48 X 48	1 1 1	36 36 36	--- --- ---	--- --- ---	--- --- ---	--- --- ---	--- --- ---	SOUTH STH 49 DETOUR AHEAD	
196	STH 49 SB	---	---	---	---	---	---	---	---	1	SOUTH STH 49	COVER WHOLE SIGN
197	STH 49 SB	---	---	---	---	---	---	---	---	1	ELDERON	COVER WHOLE SIGN
198	STH 49 NB	M4-8 M3-3 M1-6 MO6-1	24 X 12 24 X 12 24 X 24 21 X 21	1 1 1 1	36 36 36 36	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	DETOUR SOUTH STH 49 ARROW RIGHT	
198	STH 49 NB	M4-8 M3-3 M1-6 MO5-1R	24 X 12 24 X 12 24 X 24 21 X 21	1 1 1 1	36 36 36 36	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	DETOUR SOUTH STH 49 ADVANCED ARROW RIGHT	
199	STH 49 NB	M4-8 M3-3 M1-6 MO5-1R	24 X 12 24 X 12 24 X 24 21 X 21	1 1 1 1	36 36 36 36	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	DETOUR SOUTH STH 49 ADVANCED ARROW RIGHT	
201	STH 29 EB	M4-8 M3-3 M1-6	24 X 12 24 X 12 24 X 24	1 1 1	36 36 36	--- --- ---	--- --- ---	--- --- ---	--- --- ---	--- --- ---	DETOUR SOUTH STH 49	
202	STH 49 SB	R11-3	60 X 30	1	36	25	50	---	---	---	R.C. 1 MILE AHEAD, LOCAL TRAFFIC ONLY	PLACE SIGN ON BARRICADE
203	STH 153 EB	M4-8 M3-1 M1-6 MO6-1 M4-8 M3-3 M1-6 MO6-1	24 X 12 24 X 12 24 X 24 21 X 21 24 X 12 24 X 12 24 X 24 21 X 21	1 1 1 1 1 1 1 1	36 36 36 36 36 36 36 36	--- --- --- --- --- --- --- ---	--- --- --- --- --- --- --- ---	--- --- --- --- --- --- --- ---	--- --- --- --- --- --- --- ---	--- --- --- --- --- --- --- ---	DETOUR NORTH STH 49 ARROW AHEAD DETOUR SOUTH STH 49 ARROW AHEAD	
204	STH 153 EB	M1-6 W20-2	24 X 24 48 X 48	1 1	36 36	--- ---	--- ---	--- ---	--- ---	--- ---	JCT STH 49 DETOUR AHEAD	
205	STH 153 EB	---	---	---	36	---	---	---	---	1	JCT STH 49	COVER WHOLE SIGN
206	STH 153 EB	MO6-1	21 X 21	2	36	---	---	---	---	---	TO HWY 45, TO HWY 29, IOLA	COVER HWY 29 & IOLA ARROWS
207	STH 153 EB	---	---	---	---	---	---	---	---	1	NORTH 49, EAST 153, SOUTH 49	COVER NORTH, SOUTH, LEFT, RIGHT ARROWS
208	STH 153 EB	M4-8 M3-1 M1-6 MO6-1	24 X 12 24 X 12 24 X 24 21 X 21	1 1 1 1	36 36 36 36	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---	DETOUR NORTH STH 49 ARROW AHEAD	

3

** = ADDITIONAL QUANTITY SHOWN ELSEWHERE.

NOTE: ONLY ONE COVER/UNCOVER CYCLE USED FOR EACH SIGN COVERING.

3

TRAFFIC CONTROL STATE HWY 49 DETOUR SIGNS - CONTINUED

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER SIGNS IN SERVICE	643.3000 DETOUR SIGNS DAYS	643.0420 BARRICADES TYPE III ** DAYS	643.0705 WARNING LIGHTS TYPE A ** DAYS	643.1000 FIXED MESSAGE SIGNS SF	643.0910 COVERING TYPE I SIGNS EACH	643.0920 COVERING TYPE II SIGNS EACH	SIGN MESSAGE	REMARKS
CATEGORY 0010												
209	STH 153 EB	M4-8	24 X 12	1	36	---	---	---	---	---	DETOUR NORTH STH 49 ARROW AHEAD DETOUR SOUTH STH 49 ARROW AHEAD	
		M3-1	24 X 12	1	36	---	---	---	---	---		
		M1-6	24 X 24	1	36	---	---	---	---	---		
		M06-1	21 X 21	1	36	---	---	---	---	---		
		M4-8	24 X 12	1	36	---	---	---	---	---		
		M3-3	24 X 12	1	36	---	---	---	---	---		
		M1-6	24 X 24	1	36	---	---	---	---	---		
		M06-1	21 X 21	1	36	---	---	---	---	---		
210	STH 153 WB	---	---	---	---	---	---	---	---	1	SOUTH	COVER WHOLE SIGN
211	STH 153 WB	---	---	---	---	---	---	---	1	---	MOSINEE,IOLA,HWY 29	COVER IOLA & HWY 29 SIGNS
212	STH 153 WB	---	---	---	---	---	---	---	---	1	49 SOUTH,153 WEST, 49 NORTH	COVER 49 NORTH & SOUTH SIGNS
PAGE SUBTOTAL					288	0	0	0	1	2		
STH 49 DETOUR TOTALS					12,204	133	266	188	4	31		
PROJECT DETOUR TOTALS					25,084	693	1,386	225	6	53		

** = ADDITIONAL QUANTITY SHOWN ELSEWHERE.

NOTE: ONLY ONE COVER/UNCOVER CYCLE USED FOR EACH SIGN COVERING.

PAVEMENT MARKING EPOXY

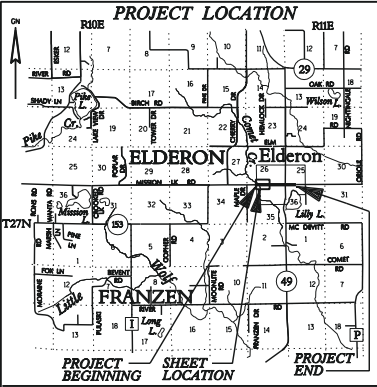
STATION	TO	STATION	LOCATION	646.0106		646.0126	647.0656	647.0566	REMARKS
				4-INCH WHITE LF	4-INCH YELLOW LF	CHANNELIZING 8-INCH WHITE LF	PARKING STALL WHITE LF	STOP LINE 18-INCH WHITE LF	
CATEGORY 0010									
1270+50	-	1275+00	STH 153	1,015	175	---	---	---	SOLID AND SKIPS
1275+00	-	1281+00	STH 153	1,115	150	---	---	---	SOLID AND SKIPS
1281+00	-	1287+00	STH 153	640	150	---	84	---	SOLID AND SKIPS
1287+00	-	1293+00	STH 153	455	150	---	226	---	SOLID AND SKIPS
1293+00	-	1299+00	STH 153	1,045	510	---	---	---	SKIPS AND SOLID
1299+00	-	1302+00	STH 153	520	365	---	---	35	SKIPS AND SOLID
71+65	-	74+15	STH 49	510	330	100	---	---	SKIPS AND SOLID
74+15	-	77+75	STH 49	510	430	110	---	---	SKIPS AND SOLID
77+75	-	78+50	STH 49	150	100	---	---	---	SKIPS AND SOLID
SUBTOTALS				5,960	2,360				
PROJECT TOTALS				8,320		210	310	35	

CONSTRUCTION STAKING

				650.4000	650.4500	650.5000	650.5500	650.6000	650.9920
				STORM SEWER EACH	SUBGRADE LF	BASE LF	CURB, GUTTER, AND CURB & GUTTER LF	PIPE CULVERTS EACH	SLOPE STAKES LF
STATION	TO	STATION	REFERENCE LINE						
CATEGORY 0010									
1269+50		1302+87	STH 153	31	3,337	3,337	6479	2	3,337
71+64		78+50	STH 49	4	686	686	278	---	686
39+02		40+00	WAUSAU ST	---	98	98	---	---	98
49+00		50+00	CENTER ST	---	100	100	---	---	100
TOTALS				35	4,221	4,221	6,757	2	4,221

SAWCUTS

STATION	TO	STATION	DIR	LOCATION	690.0150 ASPHALT LF	690.0250 CONCRETE LF	REMARK
CATEGORY 0010							
1269+50				STH 153	20	---	BOP
1274+81	-	1274+90	LT	STH 153	9	---	DRIVEWAY
1277+14		1277+24	RT	STH 153	10	---	ELM STREET
1280+93		1281+03	RT	STH 153	10	---	DRIVEWAY
1281+13		1281+28	LT	STH 153	---	15	DRIVEWAY
1282+23		1282+45	RT	STH 153	12	---	DRIVEWAY
1283+51		1283+78	LT	STH 153	27	---	DRIVEWAY
1284+38		1285+27	RT	STH 153	89	---	DRIVEWAY
1285+63		1285+93	LT	STH 153	30	---	DRIVEWAY
1285+92		1285+97	RT	STH 153	---	5	SIDEWALK
1286+33		1286+52	LT	STH 153	19	---	CENTER STREET
1287+98		1288+16	LT	STH 153	---	18	SIDEWALK
1288+65		1289+03	LT	STH 153	---	38	SIDEWALK
1288+80		1289+02	RT	STH 153	---	22	SIDEWALK
1290+20		1290+24	RT	STH 153	---	4	SIDEWALK
1291+32		1291+39	LT	STH 153	7	---	SIDEWALK
1291+34		1291+54	RT	STH 153	20	---	DRIVEWAY
1291+84		1291+93	LT	STH 153	9	---	DRIVEWAY
1292+22		1292+26	LT	STH 153	4	---	SIDEWALK
1292+51		1292+63	LT	STH 153	12	---	DRIVEWAY
1293+51		1293+54	LT	STH 153	3	---	SIDEWALK
1295+78		1295+81	LT	STH 153	---	3	SIDEWALK
1296+36		1296+46	LT	STH 153	10	---	DRIVEWAY
1296+63		1296+66	LT	STH 153	---	3	SIDEWALK
1302+36		1302+50	RT	STH 153	14	---	DRIVEWAY
1302+87				STH 153	22	---	EOP
71+63.80	-	74+78.60		STH 49	338	---	
78+50				STH 49	24	---	
39+20				WAUSAU ST	19	---	
49+00				CENTER ST	25	---	
STH 153 & STH 49 NE QUADRANT					200	---	PARKING LOT
PROJECT TOTALS					933	108	



ACCESS POINT
ACCESS RIGHTS
ACRES
CENTERLINE
CERTIFIED SURVEY MAP
CORNER
CONVEYANCE OF RIGHTS
DOCUMENT
EASEMENT
LAND CONTRACT
MONUMENT
PAGE
PERMANENT LIMITED EASEMENT
PROPERTY LINE
RECORDED AS

CONVENTIONAL ABBREVIATIONS
AP
AR
AC
ET AL.
C/L
CSM
COR.
CR
DOC.
EASE.
LCB
MON.
PG
P/L
P/L
RECORDED AS

CURVE DATA
LONG CHORD
LONG CHORD BEARING
RADIUS
DEGREE OF CURVE
CENTRAL ANGLE OR DELTA
LENGTH OF CURVE
TANGENT

R/L
REM.
R/W
STANDARD
SIGN
SECTION CORNER MONUMENT
FEE (HATCH VARIES)
TEMPORARY LIMITED EASEMENT
PERMANENT LIMITED EASEMENT
R/W BOUNDARY POINT
EXISTING PROPERTY CORNER
PARCEL NUMBER
SIGN NUMBER (OFF PREMISE)
BUILDING

FOUND IRON PIPE/PIN
R/W MONUMENT
R/W STANDARD
SIGN
SECTION CORNER MONUMENT
FEE (HATCH VARIES)
TEMPORARY LIMITED EASEMENT
PERMANENT LIMITED EASEMENT
R/W BOUNDARY POINT
EXISTING PROPERTY CORNER
PARCEL NUMBER
SIGN NUMBER (OFF PREMISE)
BUILDING

CONVENTIONAL SYMBOLS
LR (SIZE/TYPE NOTED)
O (SET)
SIGN
SECTION CORNER MONUMENT
FEE (HATCH VARIES)
TEMPORARY LIMITED EASEMENT
PERMANENT LIMITED EASEMENT
R/W BOUNDARY POINT
EXISTING PROPERTY CORNER
PARCEL NUMBER
SIGN NUMBER (OFF PREMISE)
BUILDING

CONVENTIONAL UTILITY SYMBOLS
WATER
GAS
TELEPHONE
OVERHEAD TRANSMISSION LINES
ELECTRIC
CABLE TELEVISION
FIBER OPTIC
SANITARY SEWER
STORM SEWER
POWER POLE
TELEPHONE POLE
TELEPHONE PEDESTAL
ELECTRIC TOWER

TRANSPORTATION PROJECT PLAT NO: 6600-03-28 - 4.01

MAIN STREET, VILLAGE OF ELDERON (MAPLE STREET - PARK STREET)

THAT PART OF LOTS 1 THRU 6, BLOCK 5, PLAT OF ELDERON, LOCATED IN AND PART OF THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER (NE1/4-NW1/4), SECTION 35, AND THE SOUTHEAST QUARTER OF THE SOUTHWEST QUARTER (SE1/4-SW1/4), SECTION 26, T27N, R10E, VILLAGE OF ELDERON, MARATHON COUNTY, WISCONSIN.

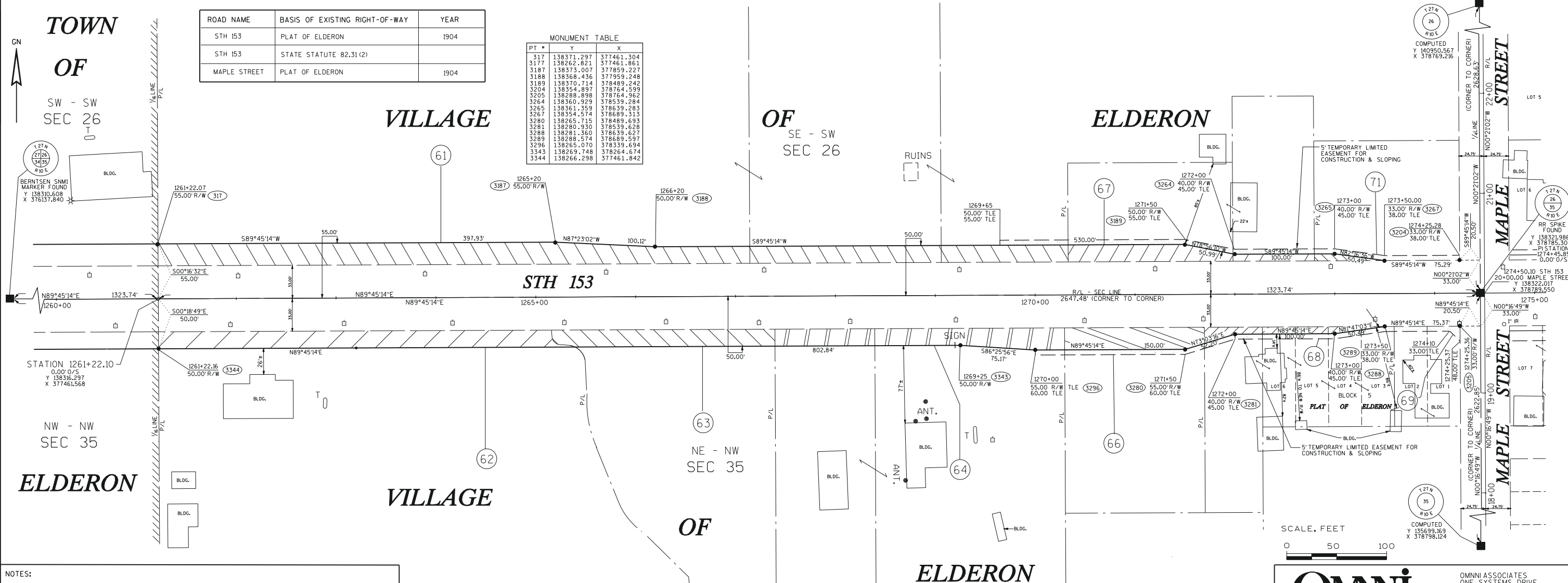
RELOCATION ORDER STH 153 MARATHON COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS Laid OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.03 (1) OR (2), WISCONSIN STATUTES.

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN MARATHON COUNTY, WISCONSIN AT 10:50 AM ON Dec. 4, 2012 AS DOCUMENT # 1636376 AND FILED IN PG. 538A, PLAT COB. 3
Michael J. Sydow
SIGNATURE OF REGISTER OF DEEDS

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6600-03-28-4.01
AMENDMENT NO:



NOTES:
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES (MARATHON) COUNTY, NAD 1983 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.
RIGHT-OF-WAY MONUMENTS ARE TYPE 2 MONUMENTS (TYPICALLY 3/4" X 24" IRON REBAR AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.
RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY OR OTHER SURVEYS OF RECORD.
PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. EXCLUDING RIGHT-OF-WAY LINES, THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.
DIMENSIONS FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.
A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE. ALL TLES EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

SCHEDULE OF LANDS AND INTEREST

PARCEL NO.	OWNER	INTEREST REQUIRED	AREA ACRES REQUIRED			TLE AREA
			NEW	EXISTING	TOTAL	
61	GUNDERSON FARMS, INC	FEE TLE	0.41 AC	---	0.41 AC	0.01 AC
62	MELVIN L. BLOECHER	FEE	0.16 AC	---	0.16 AC	---
63	FLOYD O. MATTESON	FEE	0.08 AC	---	0.08 AC	---
64	VETERANS OF FOREIGN WARS, ELDERON MEMORIAL POST 8068	FEE TLE	0.12 AC	---	0.12 AC	150 SQ. FT.
66	GARY W. WYMAN & BERNADETTE WYMAN	FEE TLE	0.07 AC	---	0.07 AC	0.02 AC
67	JOSEPH E. DOMKA	FEE TLE	0.07 AC	---	0.07 AC	0.03 AC
68	EDWARD J. SZUL & BARBARA J. SZUL	FEE TLE	0.03 AC	---	0.03 AC	0.02 AC
69	JOYCE SMITH	TLE	---	---	---	0.01 AC
71	ANGELO S. ELLIOT	FEE TLE	0.01 AC	---	0.01 AC	0.02 AC

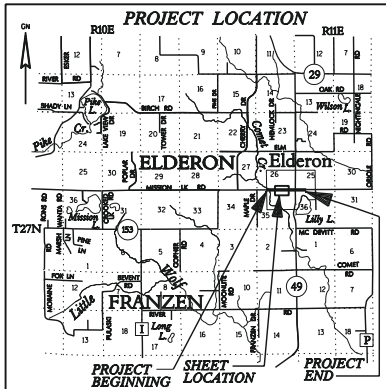
*OWNERS' NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT OF TRANSPORTATION

Omni ASSOCIATES

OMNI ASSOCIATES
ONE SYSTEMS DRIVE
APPLETON, WI 54914-1654
PHONE (920) 735-6900
FAX (920) 830-6100



I, DAVID A. YURK, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 6600-03-28 - 4.01 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.
(SIGNATURE) David A. Yurk DATE 11-16-12
(PRINTED NAME) DAVID A. YURK
(REGISTRATION NO.) S-2648
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.
(SIGNATURE) Brent S. Dalling DATE 11-28-12
(PRINTED NAME) BRENT 80



CONVENTIONAL ABBREVIATIONS	
ACCESS POINT	AP
ACCESS RIGHTS	AR
ACRES	AC
AND OTHERS	ET, AL.
CENTERLINE	C/L
CERTIFIED SURVEY MAP	CSM
CORNER	COR.
CONVEYANCE OF RIGHTS	CR
DOCUMENT	DOC.
EASEMENT	EASE.
LAND CONTRACT	LC
PAGE	MON.
PERMANENT LIMITED EASEMENT	P/L
PROPERTY LINE	P/L
RECORDED AS	(100')

CONVENTIONAL SYMBOLS	
FOUND IRON PIPE/PIN	IP
R/W MONUMENT	○ (SIZE/TYPE NOTED)
R/W STANDARD	△ (SET)
SIGN	□ (SIGN)
SECTION CORNER MONUMENT	■
FEE (HATCH VARIES)	▨
TEMPORARY LIMITED EASEMENT	▤
PERMANENT LIMITED EASEMENT	▥
R/W BOUNDARY POINT	○ (38)
EXISTING PROPERTY CORNER	○ (38)
PARCEL NUMBER	○ (102)
SIGN NUMBER (OFF PREMISE)	○ (21-)
BUILDING	BLDG.

CONVENTIONAL UTILITY SYMBOLS	
WATER	W
GAS	G
TELEPHONE	T
OVERHEAD TRANSMISSION LINES	OH
ELECTRIC	E
CABLE TELEVISION	TV
FIBER OPTIC	FO
SANITARY SEWER	SAN
STORM SEWER	SS
POWER POLE	○
TELEPHONE POLE	○
TELEPHONE PEDESTAL	○
ELECTRIC TOWER	○

TRANSPORTATION PROJECT PLAT NO: 6600-03-28 - 4.02 AMENDMENT NO: 1
AMENDS PARCEL NO: 77 AND 84 OF TRANSPORTATION PROJECT PLAT
NO: 6600-03-28 - 4.02 RECORDED IN PLAT CABINET 3, PAGE 533B AS
DOCUMENT NO: 1636377

MAIN STREET, VILLAGE OF ELDERON (MAPLE STREET - PARK STREET)

THAT PART OF LOTS 7 THRU 12, BLOCK 3, LOTS 6 THRU 10, BLOCK 4, PLAT OF ELDERON, PARTS OF CSM NO. 1953, LOT 1, CSM NO. 11113, AND LOT 2, CSM NO. 12626, LOCATED IN AND PART OF THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER (SW1/4-SE1/4), SECTION 26, AND PARTS OF LOTS 1 THRU 7, BLOCK 6, LOTS 1 THRU 9, BLOCK 7, LOTS 1 THRU 8, BLOCK 8, AND LOTS 1 THRU 4, BLOCK 9, PLAT OF ELDERON, LOCATED IN AND PART OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER (NW1/4-NE1/4), SECTION 35, T27N, R10E, VILLAGE OF ELDERON, MARATHON COUNTY, WISCONSIN.

RELOCATION ORDER STH 153 MARATHON COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN MARATHON COUNTY, WISCONSIN AT 2:34 PM ON Dec. 27, 2012 AS DOCUMENT # 1638071 AND FILED IN Plat Cabinet 3 Page 534A
Michael J. Ston
SIGNATURE OF REGISTER OF DEEDS

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6600-03-28 - 4.02
AMENDMENT NO:1

VILLAGE

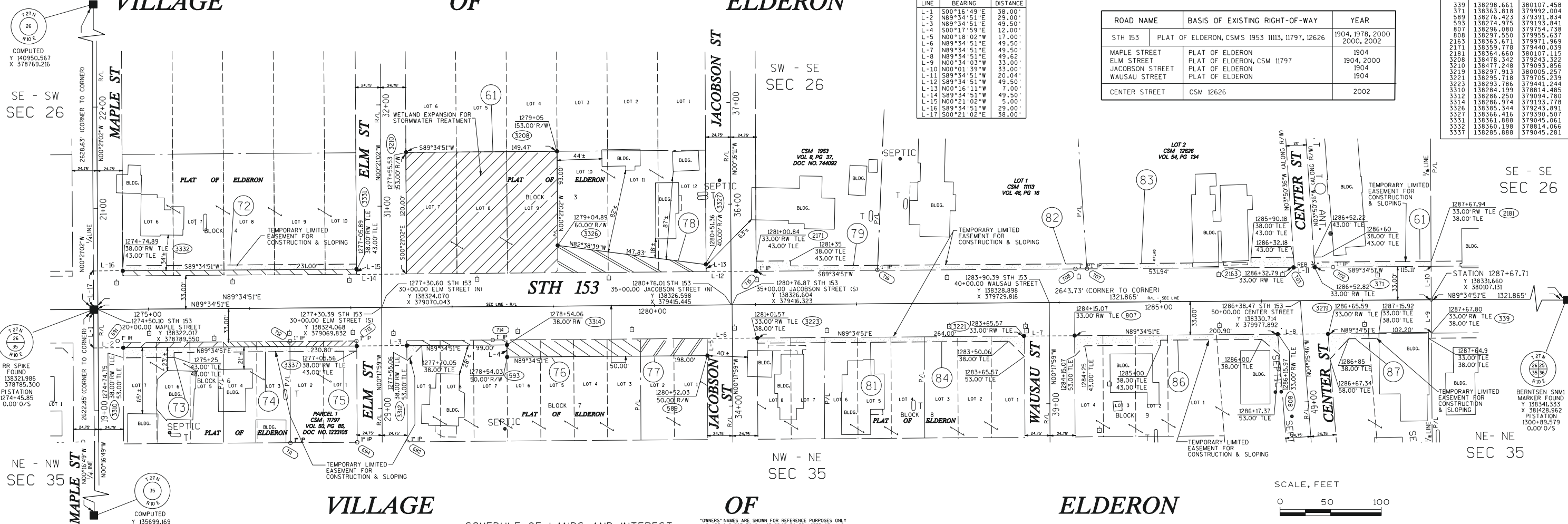
OF

ELDERON

LINE TABLE		
LINE	BEARING	DISTANCE
L-1	S00°16'49"E	38.00'
L-2	N89°34'51"E	49.50'
L-3	N89°34'51"E	49.50'
L-4	S00°17'59"E	12.00'
L-5	N00°18'02"W	17.00'
L-6	N89°34'51"E	49.50'
L-7	N89°34'51"E	49.50'
L-8	N89°34'51"E	49.62'
L-9	N00°34'03"W	33.00'
L-10	N00°01'39"W	33.00'
L-11	S89°34'51"W	20.04'
L-12	S89°34'51"W	49.50'
L-13	N00°16'11"W	7.00'
L-14	S89°34'51"W	49.50'
L-15	N00°21'02"W	5.00'
L-16	S89°34'51"W	29.00'
L-17	S00°21'02"E	38.00'

ROAD NAME	BASIS OF EXISTING RIGHT-OF-WAY	YEAR
STH 153	PLAT OF ELDERON, CSM# 1953 11113, 11797, 12626	1904, 1978, 2000 2000, 2002
MAPLE STREET	PLAT OF ELDERON	1904
ELM STREET	PLAT OF ELDERON, CSM 11797	1904, 2000
JACOBSON STREET	PLAT OF ELDERON	1904
WAUSAU STREET	PLAT OF ELDERON	1904
CENTER STREET	CSM 12626	2002

MONUMENT TABLE		
PT #	Y	X
339	138298.661	380107.458
371	138363.818	379992.004
589	138276.423	379391.834
593	138274.975	379193.841
807	138296.080	379754.738
808	138297.550	379955.637
2163	138363.671	379971.969
2171	138359.778	379440.039
2181	138364.660	380107.115
3208	138478.342	379243.322
3210	138477.248	379093.856
3219	1380297.313	380005.257
3221	138295.718	379705.239
3223	138293.786	379441.244
3310	138284.199	378814.485
3312	138286.250	379094.780
3314	138286.974	379193.778
3326	138385.344	379243.891
3327	138366.416	379390.507
3331	138361.888	379045.061
3332	138360.198	378814.066
3337	138285.888	379045.281



NOTES:
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES (MARATHON) COUNTY, NAD 1983 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 MONUMENTS (TYPICALLY 3/4" X 24" IRON REBAR AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY OR OTHER SURVEYS OF RECORD.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. EXCLUDING RIGHT-OF-WAY LINES, THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

DIMENSIONS FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE. ALL TLES EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

SCHEDULE OF LANDS AND INTEREST

PARCEL NO.	OWNER	INTEREST REQUIRED	AREA ACRES REQUIRED		TLE AREA
			NEW	EXISTING	
61	GUNDERSON FARMS, INC	FEE TLE	0.41 AC	---	0.41 AC
72	ANGELLA S. ELLIOT	FEE TLE	0.03 AC	---	0.03 AC
73	DARYL R. ZBLEWSKI & PATRICIA K. ZBLEWSKI	FEE TLE	0.01 AC	---	0.02 AC
74	JOHN A. BODA & SHELLEY J. BODA	FEE TLE	0.01 AC	---	0.01 AC
75	NANCY K. AUGUSTINE	FEE TLE	0.01 AC	---	0.01 AC
76	SHONDEL L. HANSEN	FEE TLE	0.06 AC	---	0.06 AC
77	LAVONNE J. JOHNSON	FEE TLE	0.03 AC	---	0.01 AC
78	JONATHAN TULLBERG	FEE	0.06 AC	---	---
79	CHERYL M. MOHR	TLE	---	---	0.02 AC
81	JOSHUA GABRIEL NELLESSEN	TLE	---	---	0.01 AC
82	REBECCA K. WYMAN	TLE	---	---	0.02 AC
83	CURTIS O. & MAXINE R. INDERDAHL REVOCABLE TRUST	TLE	---	---	0.03 AC
84	STEVEN A. RIEDL	TLE	---	---	0.01 AC
86	VILLAGE OF ELDERON	TLE	---	---	0.04 AC
87	L. B. BROWN INVESTMENTS	TLE	---	---	0.01 AC

EXISTING MONUMENT TABLE			
PT #	Y	X	DESCRIPTION
691	138290.200	378805.624	1" IRON ROD
692	138191.152	379095.331	1" IRON PIPE
694	138190.780	379045.779	1" IRON PIPE
702	138364.016	380010.478	1" IRON PIPE
703	138363.527	379971.975	3/4" REBAR
707	138362.358	379767.088	1" IRON PIPE
708	138362.165	379755.674	1" IRON PIPE
711	138190.211	378979.758	1" IRON PIPE
712	138290.219	378979.280	1" IRON PIPE
713	138290.740	379045.256	1" IRON PIPE
714	138291.788	379175.809	1" IRON PIPE
715	138359.986	379439.977	1" IRON PIPE
716	138360.783	379559.883	1" IRON PIPE

Omni
ASSOCIATES

OMNI ASSOCIATES
ONE SYSTEMS DRIVE
APPLETON, WI 54914-1654
PHONE (920) 735-6900
FAX (920) 830-6100

I, DAVID A. YURK, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 6600-03-28 - 4.02 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

(SIGNATURE) David A. Yurk DATE 12-19-12

(PRINTED NAME) DAVID A. YURK

(REGISTRATION NO.) S-2648

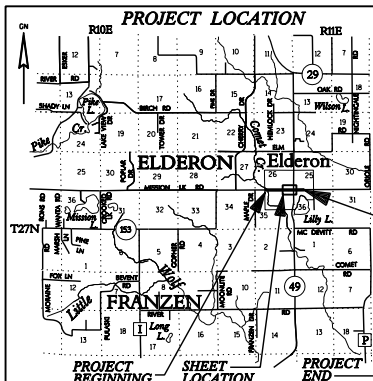
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

(SIGNATURE) Brent L. Bredt DATE 12-20-12

(PRINTED NAME) BRENT



DOC # 1638072



CONVENTIONAL ABBREVIATIONS

ACCESS POINT
ACCESS RIGHTS
ACRES
AND OTHERS
CENTERLINE
CERTIFIED SURVEY MAP
CORNER
CONVEYANCE OF RIGHTS
DOCUMENT
EASEMENT
LAND CONTRACT
MONUMENT
PAGE
PERMANENT LIMITED EASEMENT
PROPERTY LINE
RECORDED AS
REFERENCE LINE
REMAINING
RIGHT-OF-WAY
SECTION
STATION
TEMPORARY LIMITED EASEMENT
TILE
VOLUME

CONVENTIONAL SYMBOLS

AP
AR
AC
ET AL.
C/L
COR.
CR
DOC
EASE.
L.C.
MON.
PG
PLE
R/L
R/W
SEC.
STA.
TILE
VOL.

CONVENTIONAL UTILITY SYMBOLS

FOUND IRON PIPE/PIN
R/W MONUMENT
R/W STANDARD
SIGN
SECTION CORNER MONUMENT
FEE (HATCH VARIES)
TEMPORARY LIMITED EASEMENT
PERMANENT LIMITED EASEMENT
R/W BOUNDARY POINT
EXISTING PROPERTY CORNER
PARCEL NUMBER
SIGN NUMBER
BUILDING

CONVENTIONAL UTILITY SYMBOLS

WATER
GAS
TELEPHONE
OVERHEAD TRANSMISSION LINES
ELECTRIC
CABLE TELEVISION
FIBER OPTIC
SANITARY SEWER
STORM SEWER
POWER POLE
TELEPHONE POLE
TELEPHONE PEDESTAL
ELECTRIC TOWER

CONVENTIONAL UTILITY SYMBOLS

W
G
T
OH
E
TV
FO
SAN
SS
NON COMPENSABLE
COMPENSABLE
LC
LCB
ROAD
L
T

TRANSPORTATION PROJECT PLAT NO: 6600-03-28 - 4.03 AMENDMENT NO: 1
AMENDS PARCEL NO: 88 OF TRANSPORTATION PROJECT PLAT NO: 6600-03-28 - 4.03 RECORDED IN
PLAT CABINET 3, PAGE 533C AS DOCUMENT NO: 1636378

MAIN STREET, VILLAGE OF ELDERON (MAPLE STREET - PARK STREET)
THAT PART OF CSM MAP NO. 805, AND LOT 1, CSM MAP NO. 3695, LOCATED IN AND PART OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER (SE1/4-SE1/4), SECTION 26, AND PARTS OF CSM MAP NO. 490, LOCATED IN AND PART OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER (NW1/4-NE1/4), SECTION 35, T27N, R10E, VILLAGE OF ELDERON, MARATHON COUNTY, WISCONSIN.

RELOCATION ORDER STH 153 MARATHON COUNTY
THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

ACCEPTED FOR RECORDING AND FILING IN
THE OFFICE OF THE REGISTER OF DEEDS
IN Marathon COUNTY, WISCONSIN AT
8:28 AM ON Dec. 27, 2012
AS DOCUMENT # 1638072 AND
FILED IN Plat Cabinet 3
Page 534B
Michael J. Sydow
SIGNATURE OF REGISTER OF DEEDS

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6600-03-28 - 4.03
AMENDMENT NO: 1

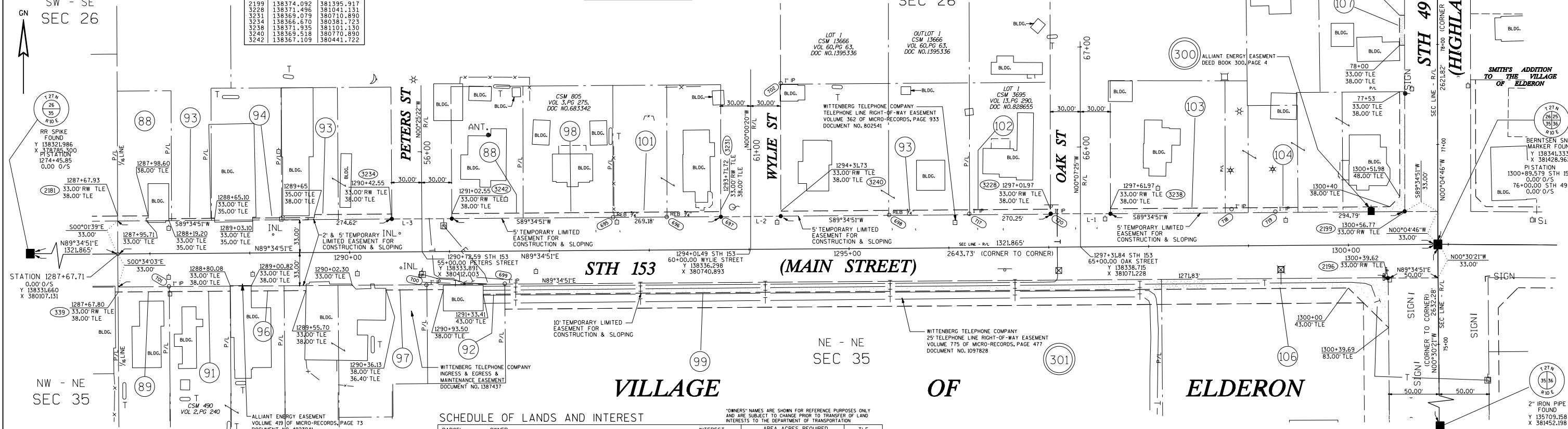
ROAD NAME	BASIS OF EXISTING RIGHT-OF-WAY	YEAR
STH 153	CSM'S 490, 805, 3695	1973, 1974, 1985
PETERS STREET	VILLAGE RECORDS, MARATHON CTY TAX LISTER	
WYLIE STREET	CSM 13666	2004
OAK STREET	CSM 3695	1985
STH 49	WDOT DIVISION JOB NO. 4806 B	1938

SCALE, FEET
0 50 100

PT #	Y	X
339	138298.661	380107.458
2181	138364.660	380107.115
2196	138307.968	381379.252
2199	138374.092	381395.917
3228	138371.436	381041.131
3231	138369.079	380710.890
3234	138366.670	380381.723
3239	138371.435	381101.130
3240	138369.518	380770.890
3242	138367.109	380441.722

LINE	BEARING	DISTANCE
L-1	S89°34'51"W	60.00'
L-2	S89°34'51"W	60.00'
L-3	S89°34'51"W	60.00'

PT #	Y	X	DESCRIPTION
695	138368.445	380603.128	3/4" REBAR
696	138368.486	380657.213	3/4" REBAR
697	138359.071	380711.589	3/4" REBAR
698	138370.024	380877.361	3/4" REBAR
699	138301.205	380494.695	1" IRON PIPE
700	138300.713	380416.794	1" IRON PIPE
701	138299.280	380158.501	1" IRON PIPE
702	138502.499	380771.057	1" IRON PIPE
717	138373.135	380958.226	1" IRON PIPE
718	138377.202	381222.492	1" IRON PIPE
719	138374.195	381265.879	1" IRON PIPE
720	138373.598	381035.028	1" IRON PIPE



NOTES:
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES (MARATHON) COUNTY, NAD 1983 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.
RIGHT-OF-WAY MONUMENTS ARE TYPE 2 MONUMENTS (TYPICALLY 3/4" X 24" IRON REBAR AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.
RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY OR OTHER SURVEYS OF RECORD.
PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. EXCLUDING RIGHT-OF-WAY LINES, THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.
DIMENSIONS FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.
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SCHEDULE OF LANDS AND INTEREST

PARCEL NO.	OWNER	INTEREST REQUIRED	AREA ACRES REQUIRED		TLE AREA
			NEW	TOTAL	
88	WISCONSIN BINDERMAN, INC. SCHWALBECK FAMILY IRREVOCABLE TRUST & JAMES D. & MARY ANN SCHWALBACH	TLE	---	---	0.01 AC
89	BRADLEY D. KRUEGER & LYNN M. KRUEGER	TLE	---	---	0.01 AC
91	GARY W. WYMAN & BERNADETTE E. WYMAN	TLE	---	---	0.01 AC
92	WITTENBERG TELEPHONE COMPANY INC.	TLE	---	---	0.01 AC
93	JAMES D. SCHWALBACH, JAMES D. SCHWALBACH AND MARY ANN SCHWALBACH, WISCONSIN BINDERMAN, INC., LISA M. KIRKER	TLE	---	---	0.01 AC
94	WOLFF INVESTMENTS OF CENTRAL WISCONSIN, LLC	TLE	---	---	54 SQ FT
96	ORLANDO B. FAST	TLE	---	---	165 SQ FT
97	KURT A. HICKMAN SR	TLE	---	---	0.01 AC
98	FLOYD D. MATTESSON	TLE	---	---	0.01 AC
99	FLOYD D. MATTESSON & MARLENE A. MATTESSON	TLE	---	---	0.15 AC
101	ROBERT L. ELLIOT	TLE	---	---	0.01 AC
102	PEPLIN PROPERTIES LLC	TLE	---	---	0.01 AC
103	JOHN R. SUWYN & BETTY J. SUWYN	TLE	---	---	0.01 AC
104	JEANNE M. GROSHK	TLE	---	---	0.03 AC
106	DIANN R. HOLYAN F.K.A. DIANN R. MATTESSON & MARY ANN HART	TLE	---	---	0.07 AC
107	PETER J. KULAS	TLE	---	---	150 SF

UTILITY INTERESTS REQUIRED

UTILITY NO.	OWNER	INTEREST REQUIRED
300	ALLIANT ENERGY	RELEASE OF RIGHTS
301	WITTENBERG TELEPHONE COMPANY	RELEASE OF RIGHTS

Omni
ASSOCIATES

I, DAVID A. YURK, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 6600-03-28 - 4.03 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.



(SIGNATURE) David A. Yurk DATE 12-20-12
(PRINTED NAME) DAVID A. YURK
(REGISTRATION NO.) S-2648
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.
(SIGNATURE) Brenda L. Sullivan DATE 12-20-12
(PRINTED NAME) BRENDA L. SULLIVAN

DOT COMPOSITE: ORIGINAL DOCUMENT LOCATED AT THE REGISTER OF DEEDS OFFICE

STATE OF WISCONSIN - MARATHON COUNTY
12/24/2011 10:57:42 AM
MICHAEL J. STOK, REGISTER OF DEEDS



DOC# 1636379

TRANSPORTATION PROJECT PLAT NO: 6600-03-28 - 4.04

MAIN STREET, VILLAGE OF ELDERON (MAPLE STREET - PARK STREET)

THAT PART OF LOTS 6, 7, BLOCK 2, SMITH'S ADDITION TO THE VILLAGE OF ELDERON, LOCATED IN AND PART OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER (SW1/4-SW1/4), SECTION 25, AND PART OF LOT 1, CSM NO. 2428, LOCATED IN AND INCLUDING PART OF GOVERNMENT LOT 1, SECTION 36, T27N, R10E, VILLAGE OF ELDERON, MARATHON COUNTY, WISCONSIN.

RELOCATION ORDER STH 153 MARATHON COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

- TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
- THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
 - THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN MARATHON COUNTY, WISCONSIN AT 10:50 AM ON Dec. 4, 2012 AS DOCUMENT # 1636379 AND FILED IN pg. 533D, plat cab. 3
MICHAEL J. STOK
SIGNATURE OF REGISTER OF DEEDS

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6600-03-28 - 4.04
AMENDMENT NO:

CONVENTIONAL SYMBOLS

FOUND IRON PIPE/PIN
R/W MONUMENT
SIGN
SECTION CORNER MONUMENT
FEE (HATCH VARIES)
TEMPORARY LIMITED EASEMENT
PERMANENT LIMITED EASEMENT
R/W BOUNDARY POINT
EXISTING PROPERTY CORNER
PARCEL NUMBER
SIGN NUMBER (OFF PROJECT)
BUILDING

CONVENTIONAL UTILITY SYMBOLS

WATER
GAS
TELEPHONE
OVERHEAD TRANSMISSION LINES
ELECTRIC
CABLE TELEVISION
FIBER OPTIC
SANITARY SEWER
STORM SEWER
POWER POLE
TELEPHONE POLE
TELEPHONE PEDESTAL
ELECTRIC TOWER

CONVENTIONAL ABBREVIATIONS

AP ACCESS POINT
LCB ACCESS RIGHTS
AC ACRES
ET AL. AND OTHERS
C/L CENTER LINE
CSM CERTIFIED SURVEY MAP
COR CORNER
CON CONVEYANCE OF RIGHTS
DOC. EASE.
LC MON.
PG PLE
P/L PERMANENT LIMITED EASEMENT
P/L PROPERTY LINE
P/L RECORD AS

CURVE DATA

LONG CHORD
BEARING
RADIUS
DEGREE OF CURVE
CENTRAL ANGLE OR DELTA
LENGTH OF CURVE
TANGENT

CONVENTIONAL ABBREVIATIONS

AP ACCESS POINT
LCB ACCESS RIGHTS
AC ACRES
ET AL. AND OTHERS
C/L CENTER LINE
CSM CERTIFIED SURVEY MAP
COR CORNER
CON CONVEYANCE OF RIGHTS
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P/L PROPERTY LINE
P/L RECORD AS

SCHEDULE OF LANDS AND INTEREST

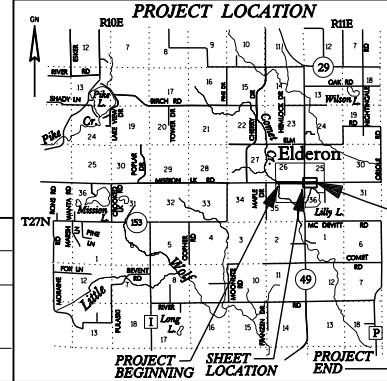
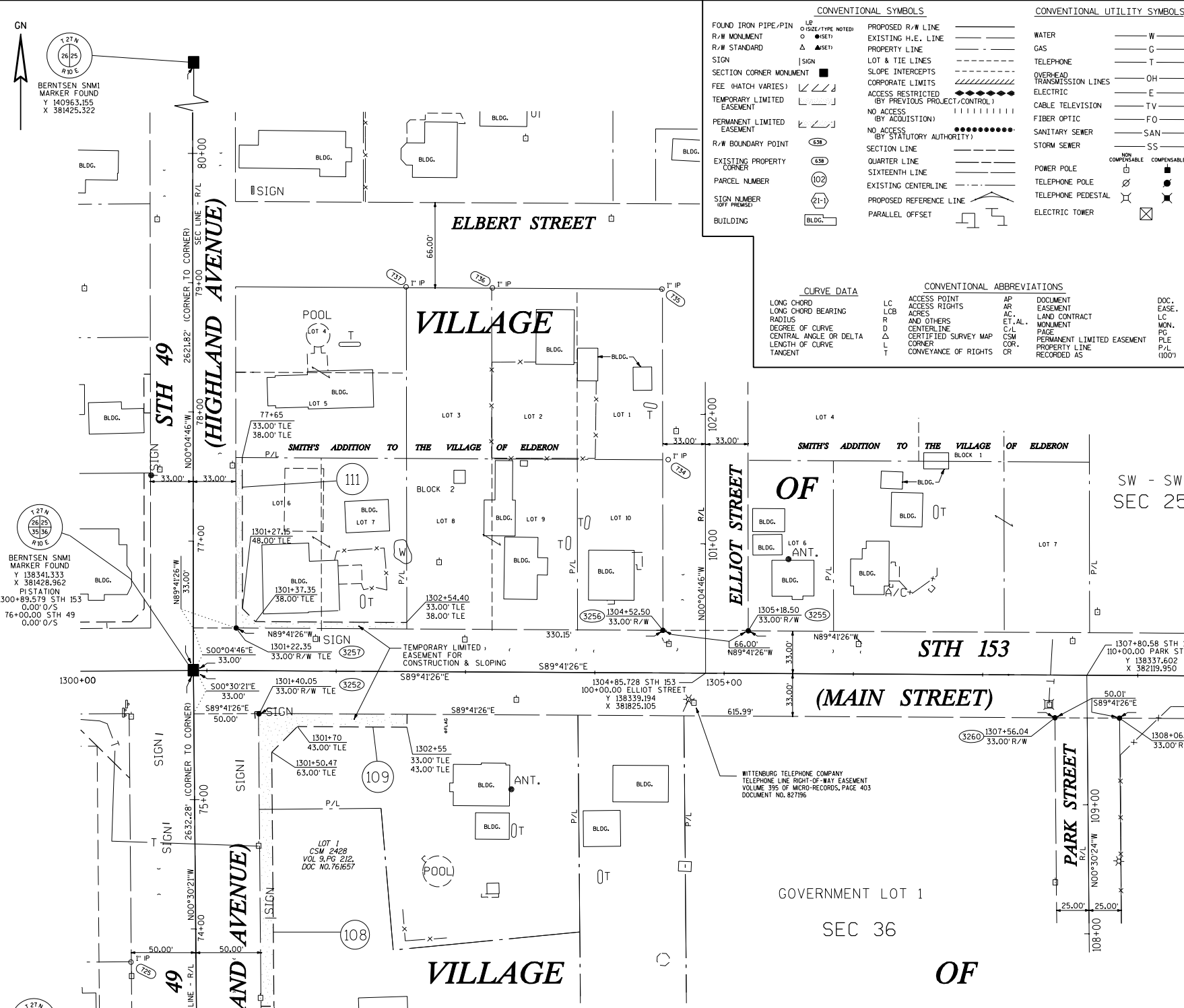
PARCEL NO.	OWNER	INTEREST REQUIRED	AREA ACRES REQUIRED			TLE AREA
			NEW	EXISTING	TOTAL	
108	COMMUNITY FIRST BANK	TLE	---	---	---	0.04 AC
109	WILLIAM D. SUYIN	TLE	---	---	---	0.06 AC
111	MARIANNE HEGEWALD	TLE	---	---	---	0.03 AC

EXISTING MONUMENT TABLE

PT #	Y	X	DESCRIPTION
724	138115.733	381381.020	1" IRON PIPE
734	138504.462	381796.134	1" IRON PIPE
735	138636.382	381791.689	1" IRON PIPE
736	138637.061	381659.709	1" IRON PIPE
737	138637.401	381593.730	1" IRON PIPE
744	138301.319	382741.832	1" IRON PIPE
745	138367.235	382741.492	1" IRON PIPE

MONUMENT TABLE

PT #	Y	X
3245	138304.465	382145.243
3248	138301.244	382741.729
3252	138308.061	381479.258
3254	138367.246	382741.480
3255	138372.011	381858.060
3256	138372.373	381792.059
3257	138374.156	381461.917
3260	138304.735	382095.240



NOTES:

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ROAD NAME	BASIS OF EXISTING RIGHT-OF-WAY	YEAR
STH 153	SMITH'S ADDITION TO THE VILLAGE OF ELDERON	
STH 49	WDOT DIVISION JOB NO. 4806 B SMITH'S ADDITION TO THE VILLAGE OF ELDERON CSM 2428	1938 1980
ELBERT STREET	SMITH'S ADDITION TO THE VILLAGE OF ELDERON	

Omni ASSOCIATES

OMNI ASSOCIATES
ONE SYSTEMS DRIVE
APPLETON, WI 54914-1654
PHONE (920) 735-6900
FAX (920) 830-6100

I, DAVID A. YURK, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 6600-03-28 - 4.04 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

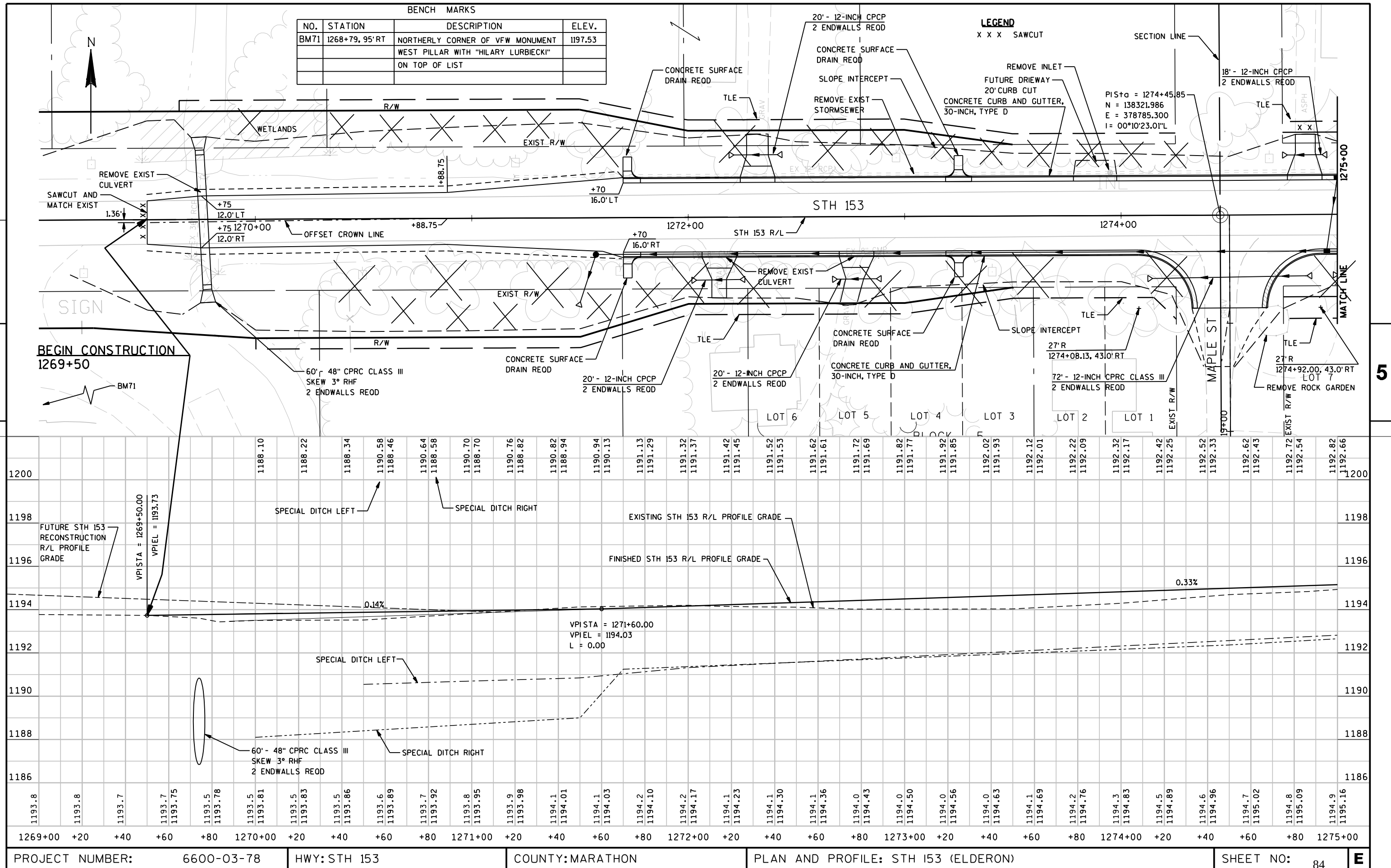
(SIGNATURE) David A. Yurk DATE 11-16-12
(PRINTED NAME) DAVID A. YURK
(REGISTRATION NO.) S-2648

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

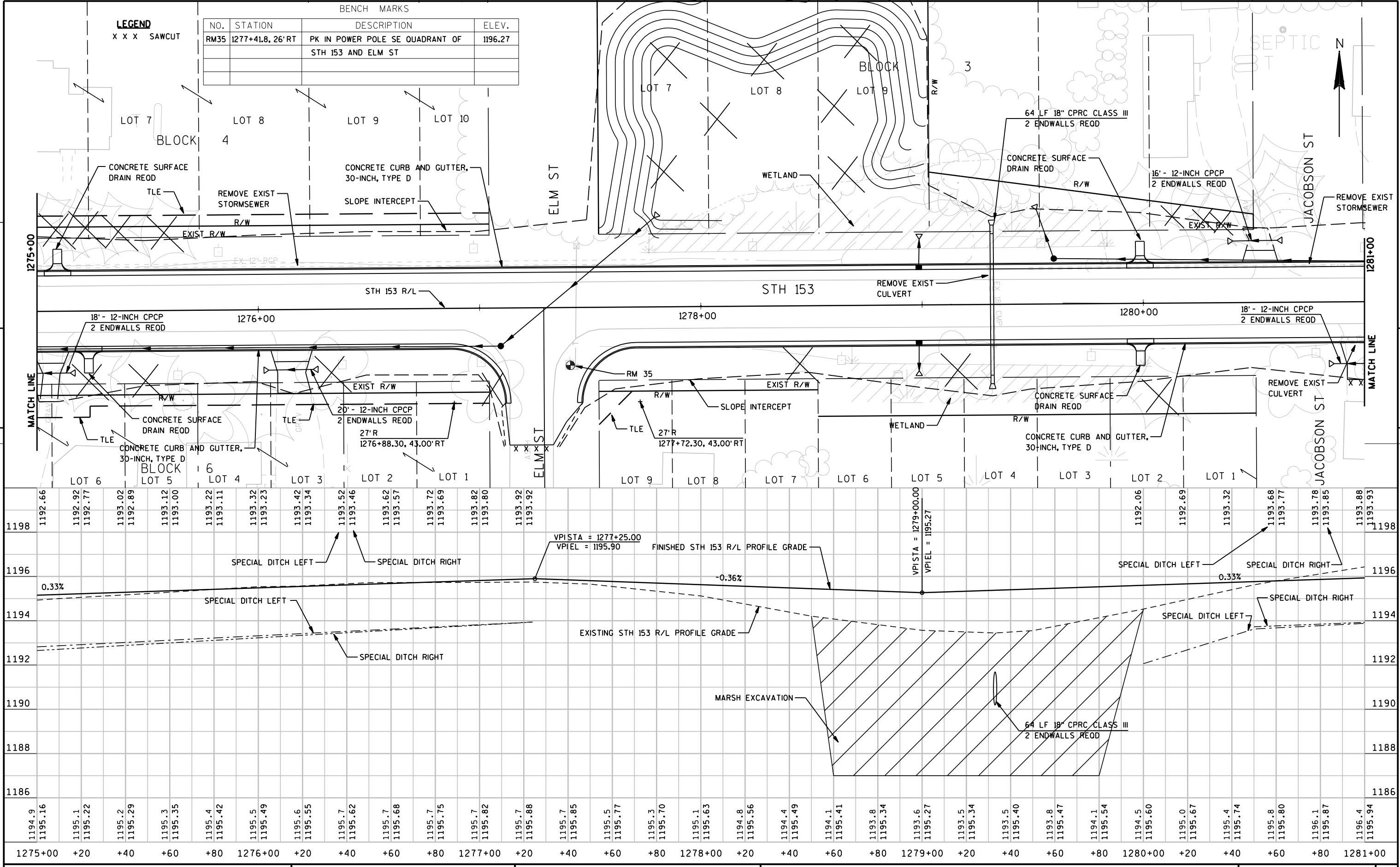
(SIGNATURE) Brent L. Sallie DATE 11-28-12
(PRINTED NAME) BRENT L. SALLIE

WISCONSIN LAND SURVEYOR
DAVID A. YURK
S-2648
OSMOSK WI

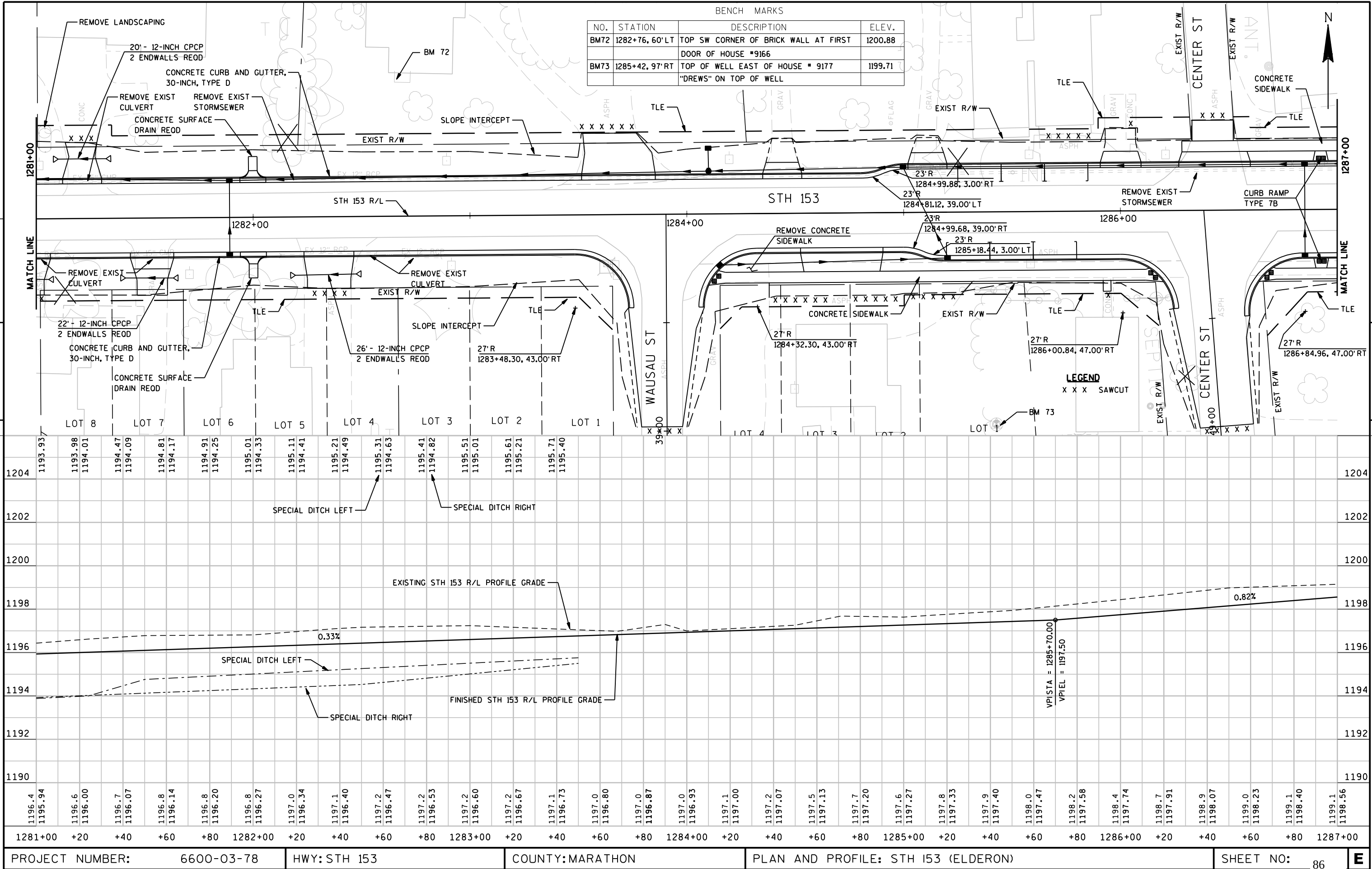
NO.	STATION	DESCRIPTION	ELEV.
BM71	1268+79.95' RT	NORTHERLY CORNER OF VFW MONUMENT	1197.53
		WEST PILLAR WITH "HILARY LURBIECKI"	
		ON TOP OF LIST	



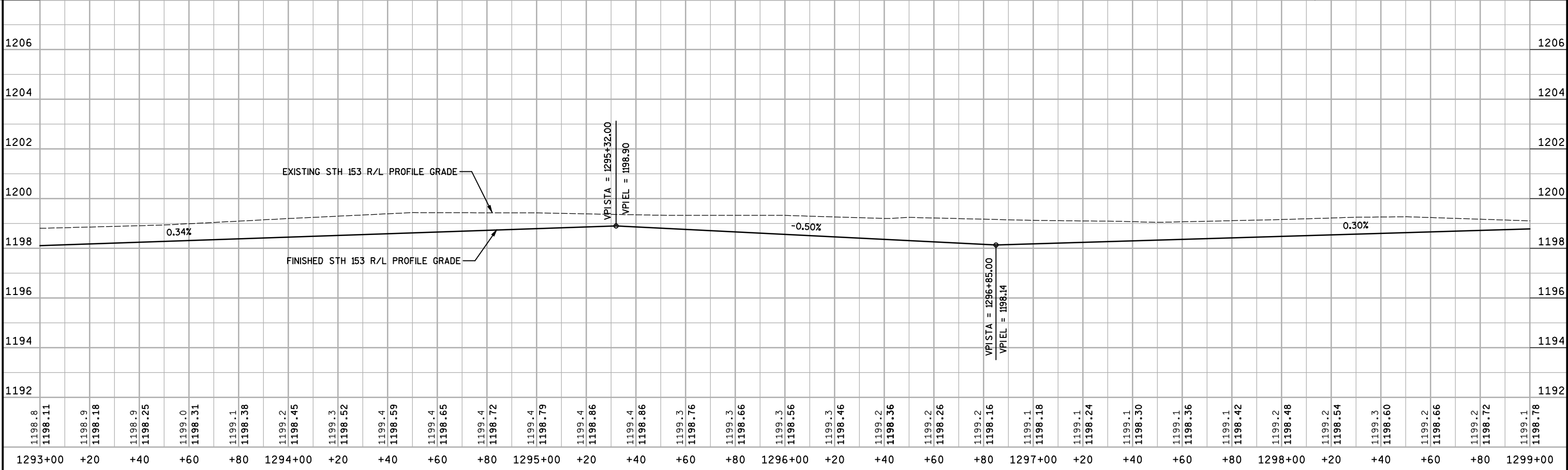
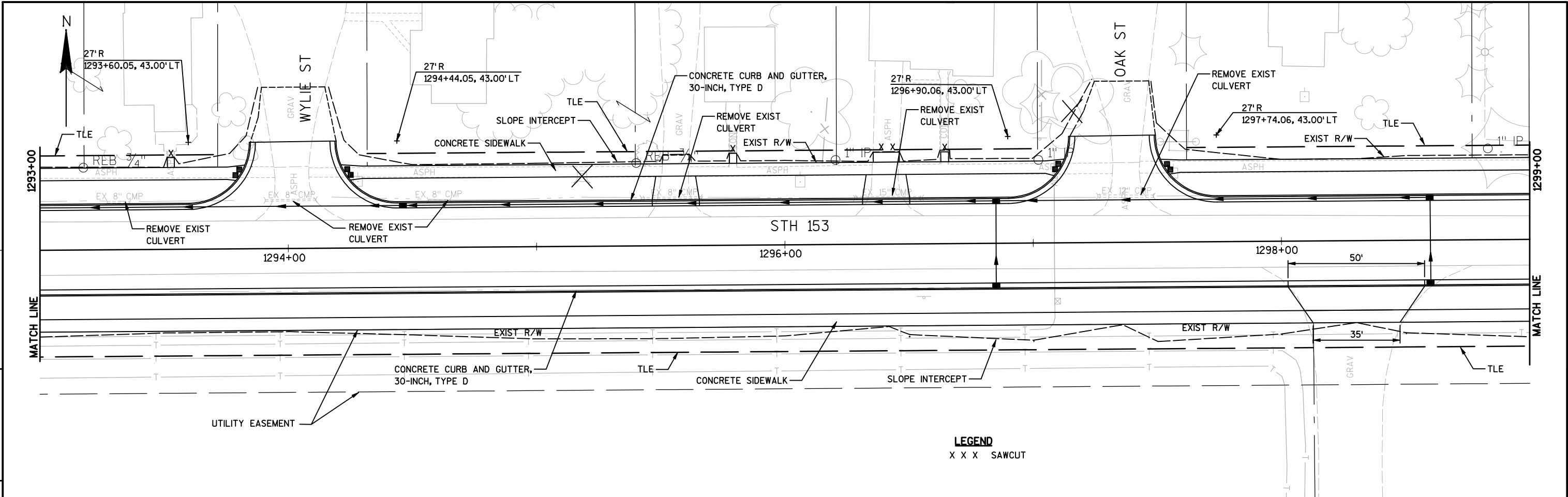
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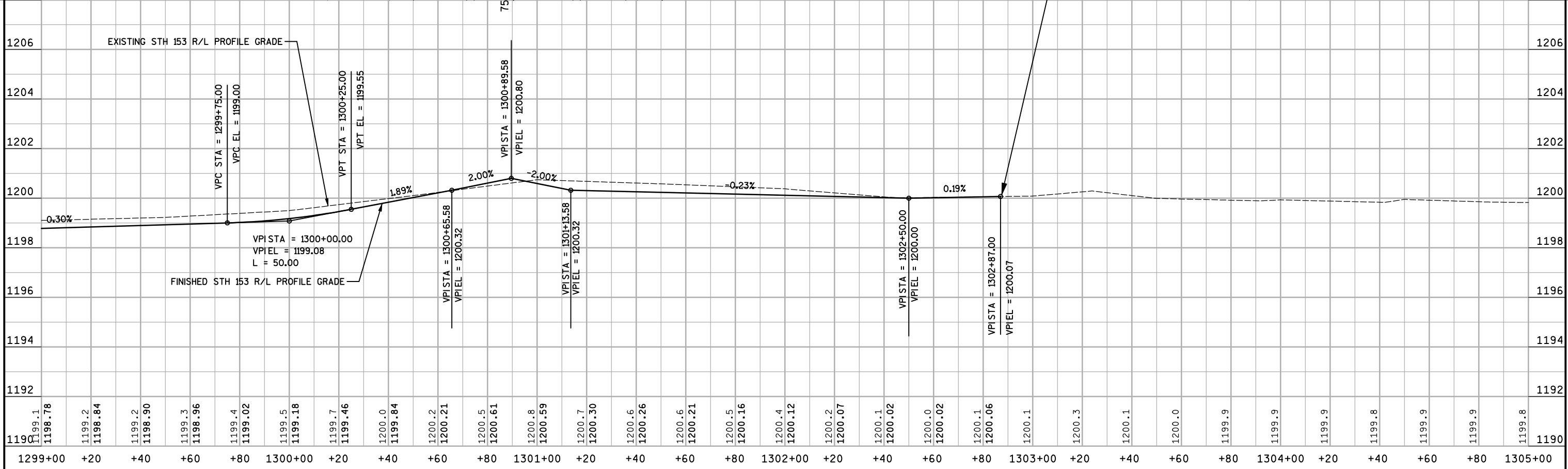
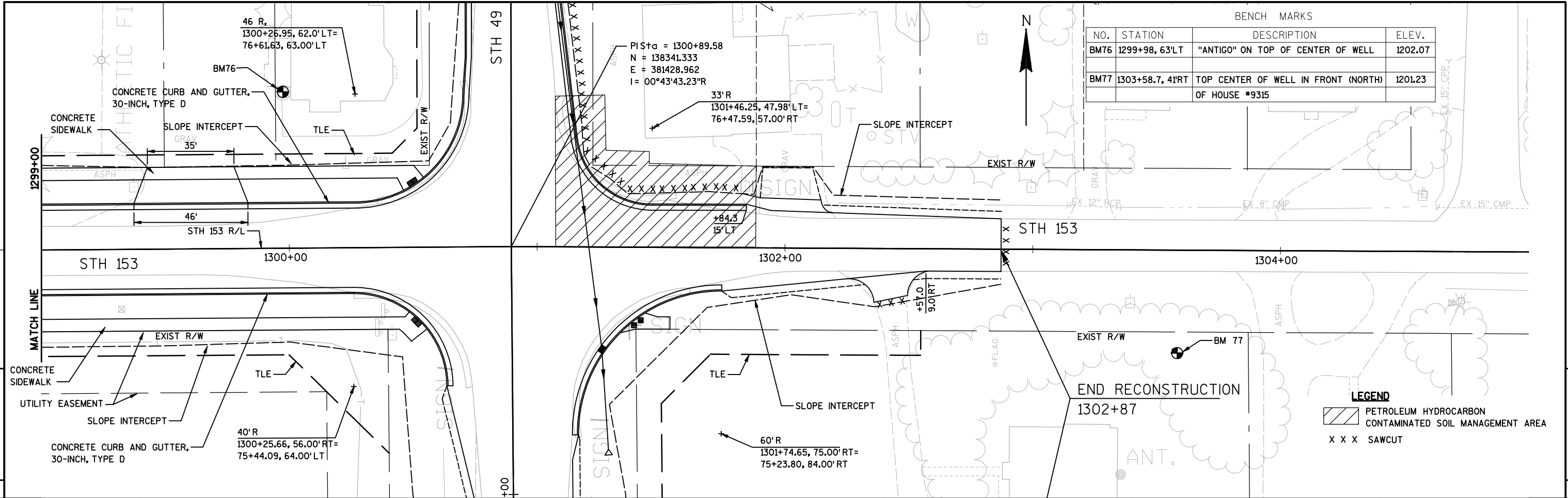
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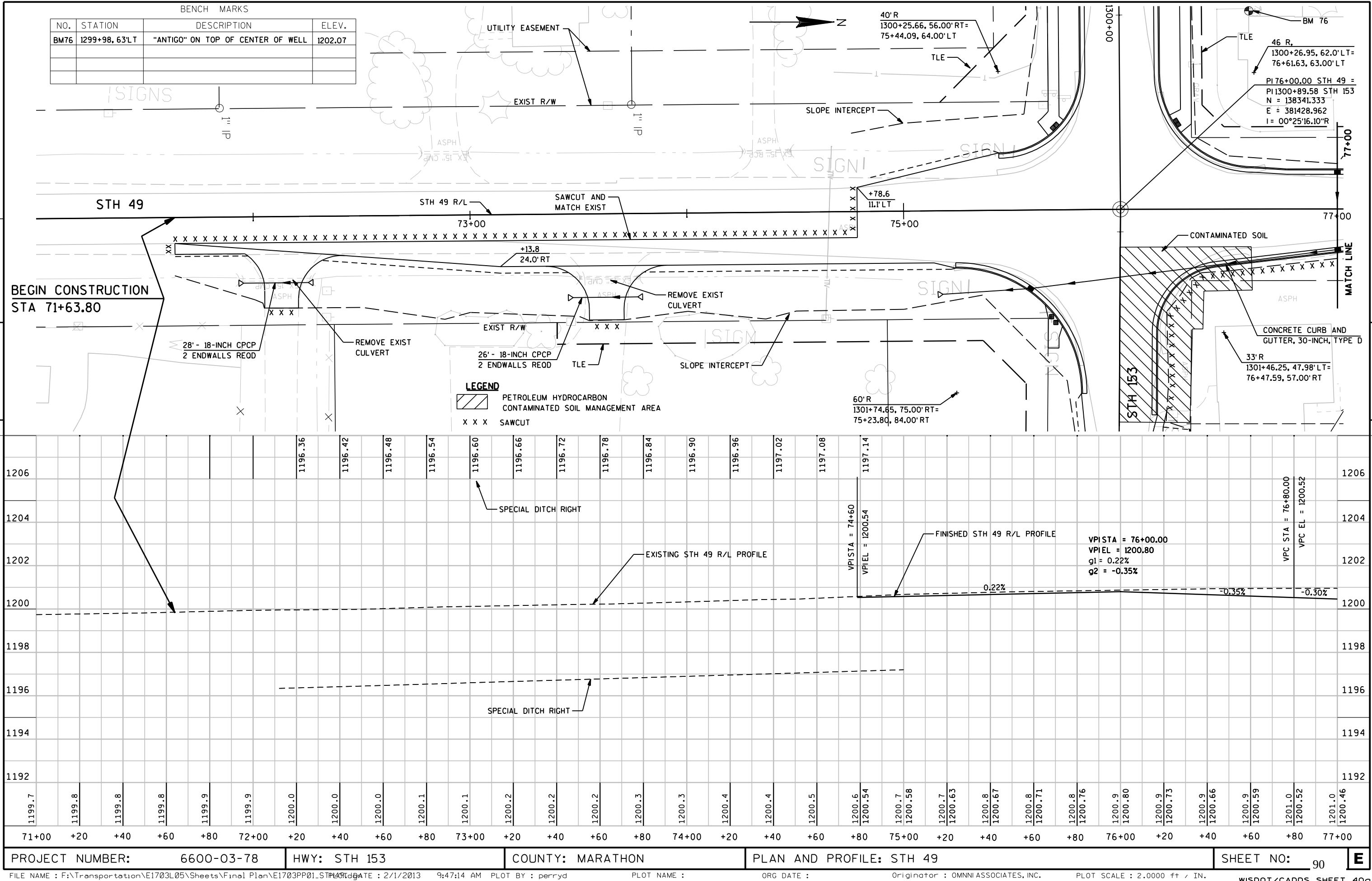
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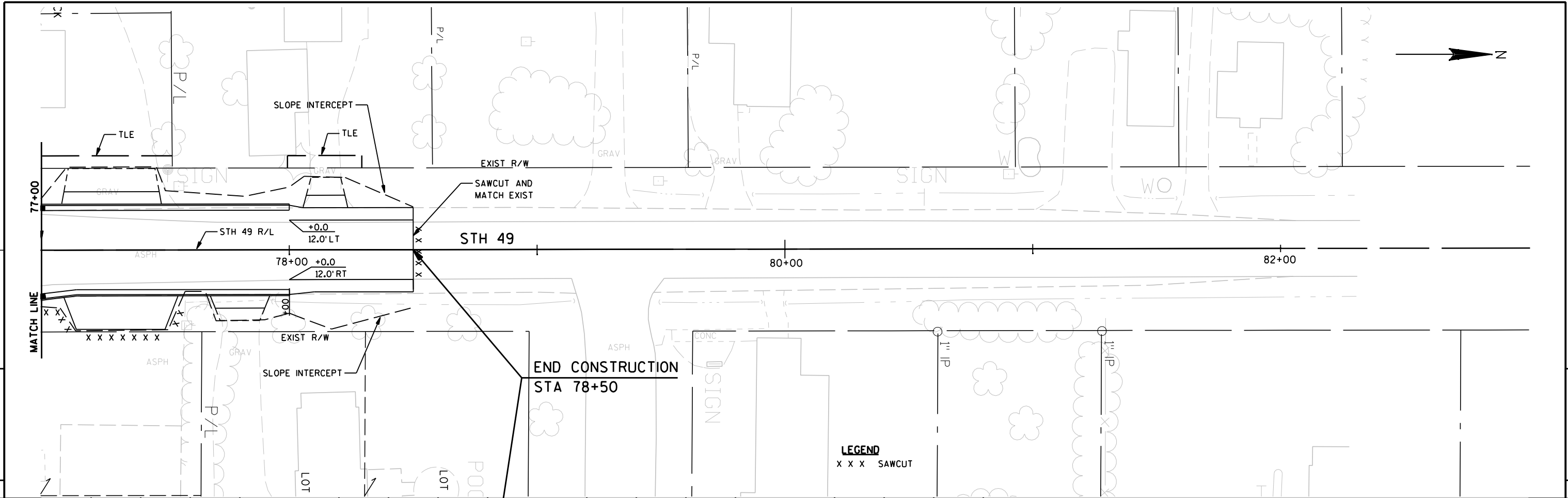


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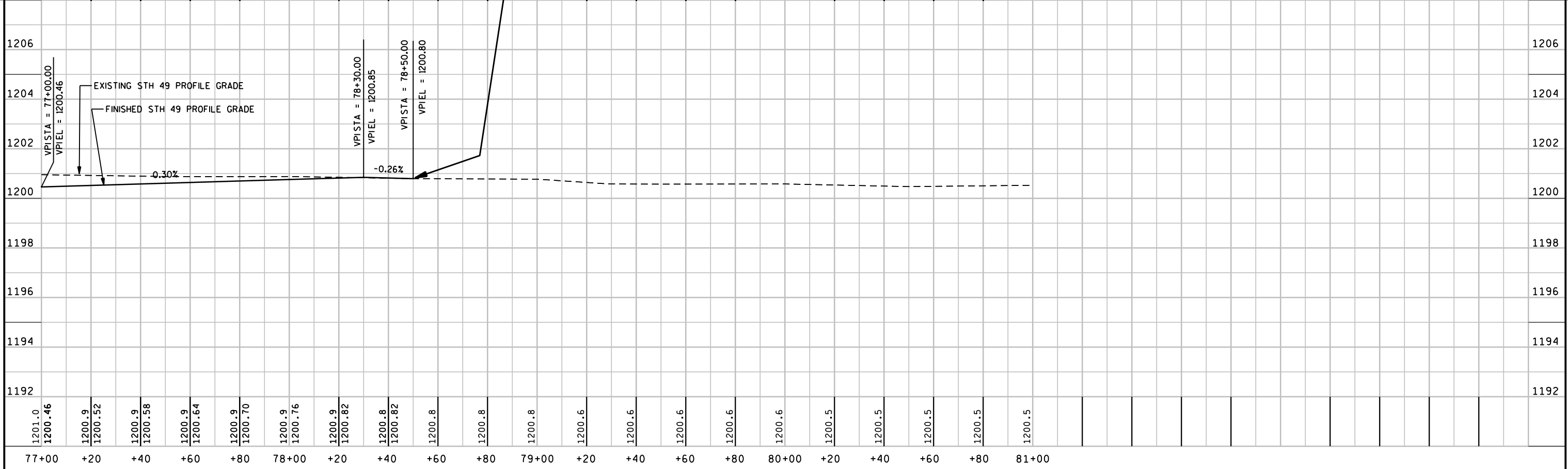


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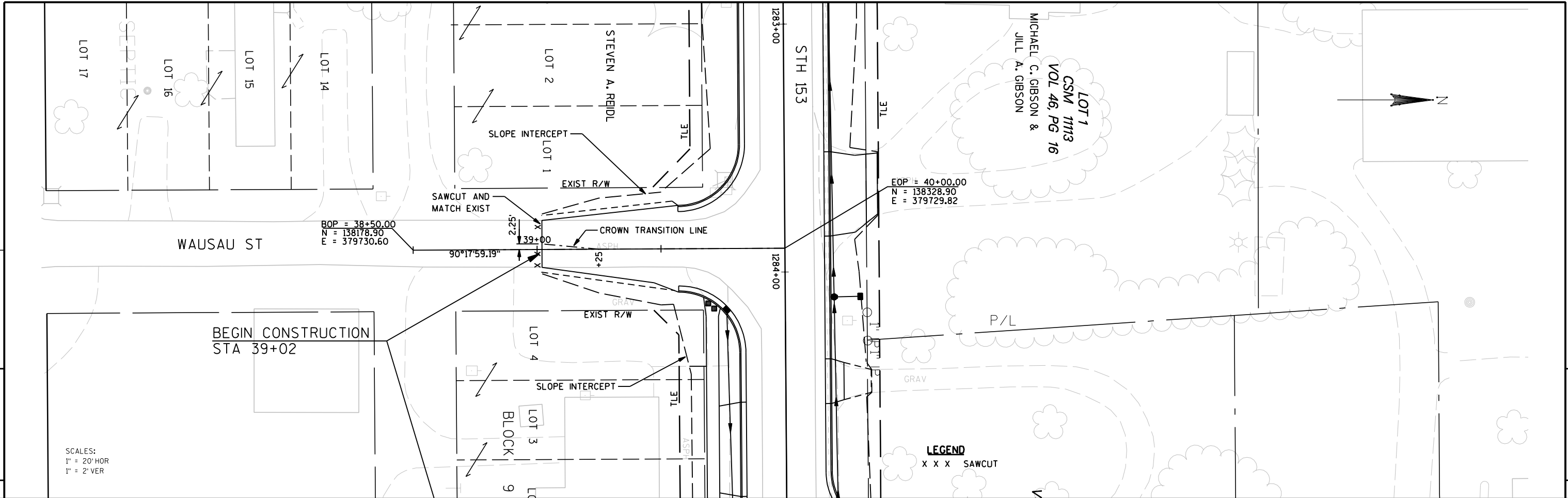
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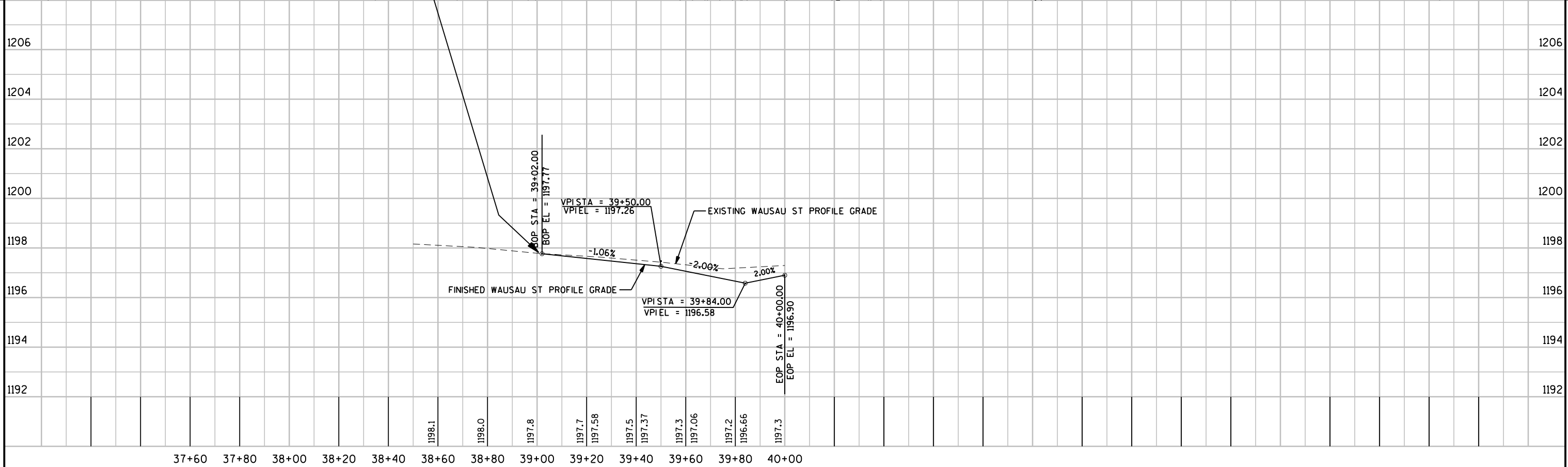
PROJECT NUMBER: 6600-03-78		HWY: STH 153		COUNTY: MARATHON		PLAN AND PROFILE: STH 49		SHEET NO: 91		E	
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LEVELS ON = 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55, 57,58,59,60, 62,63

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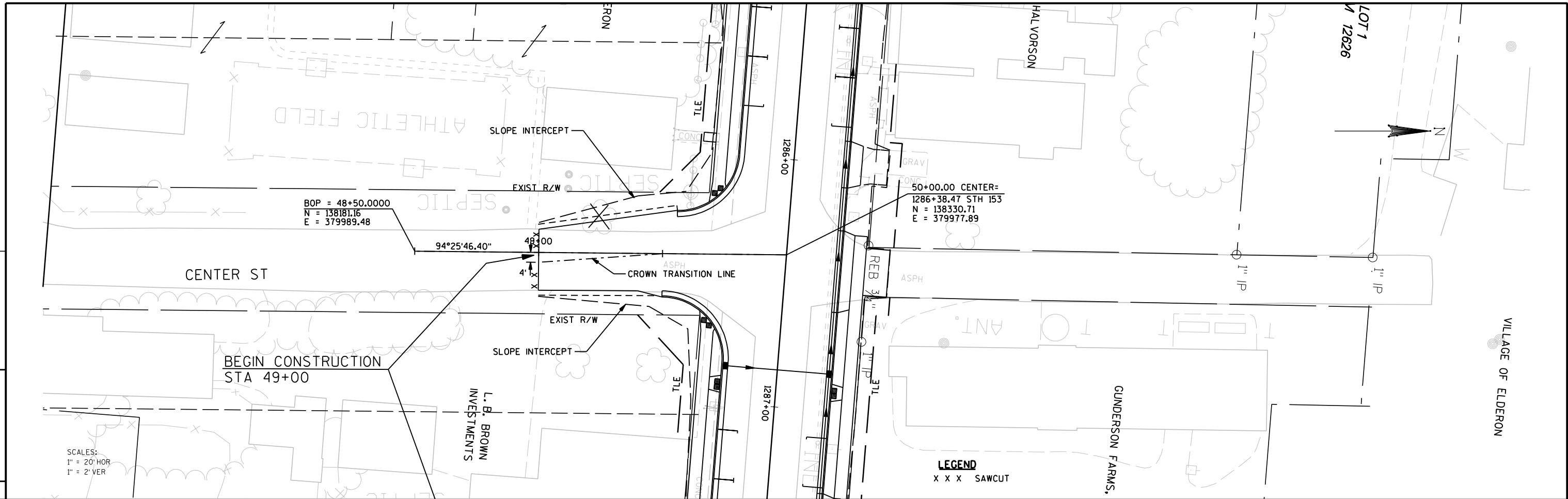
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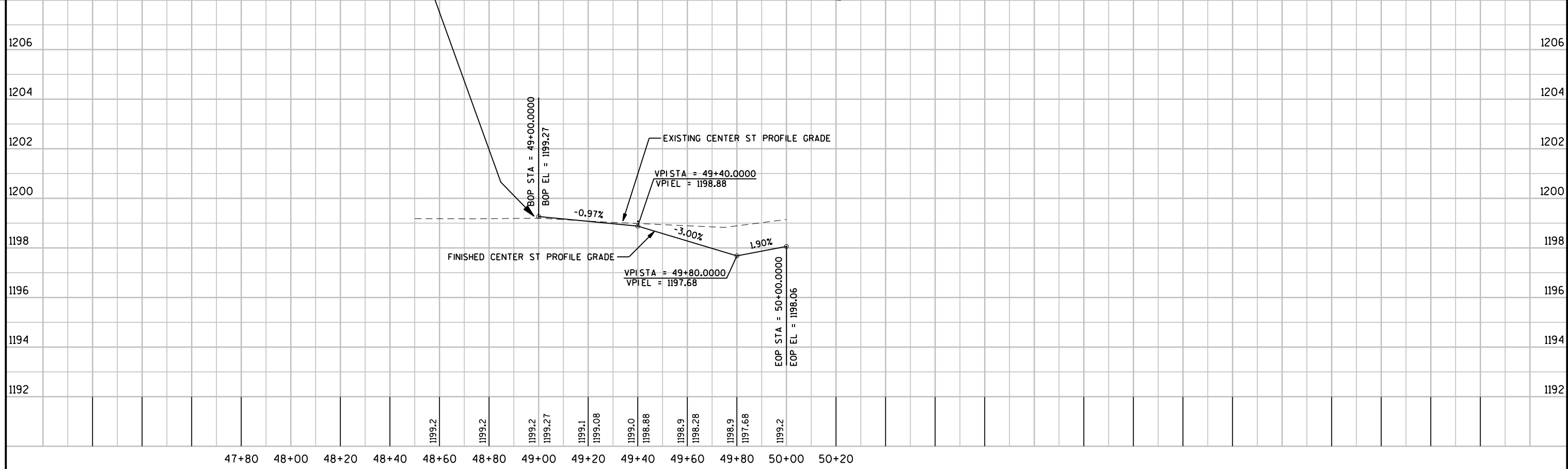
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LEVELS ON = 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55, 57,58,59,60, 62,63

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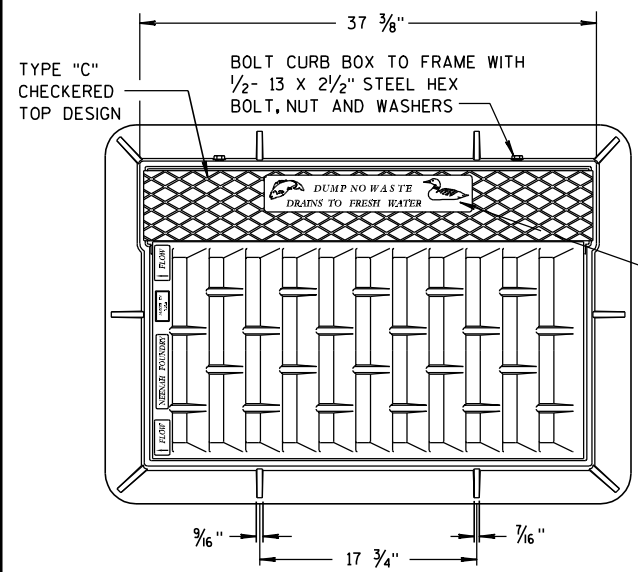
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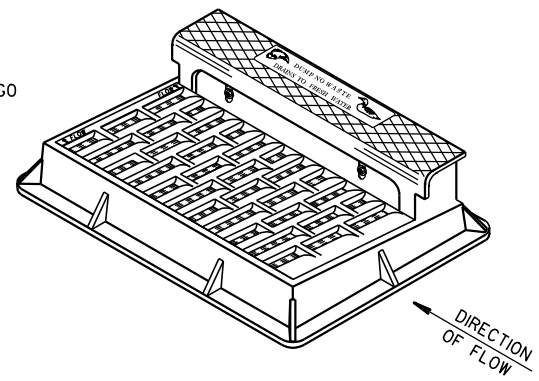
PROJECT NUMBER:	6600-03-78	HWY: STH 153	COUNTY: MARATHON	PLAN AND PROFILE: CENTER ST	SHEET NO: 93	E
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Standard Detail Drawing List

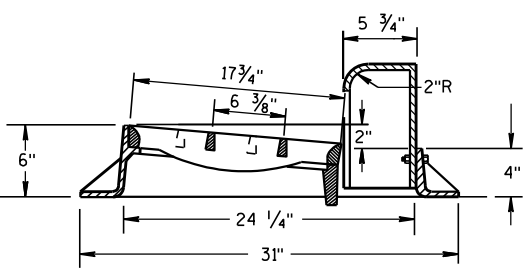
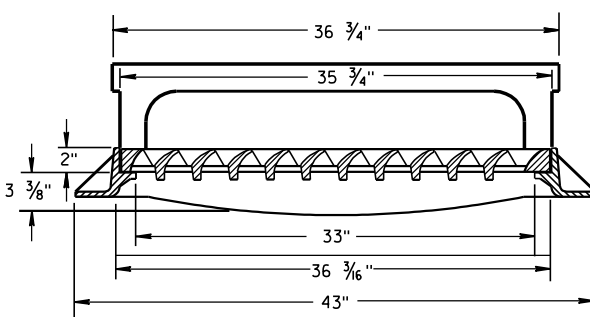
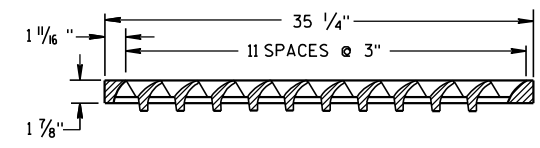
08A05-18A	INLET COVERS TYPE A, H, A-S, & H-S
08A05-18B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-18D	INLET COVER, TYPE BW, Z MANHOLE COVERS, TYPE K, J, J-S, L & M
08B09-01	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08C07-01	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08C08-01	INLETS MEDIAN 1 AND 2 GRATE
08D01-17	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D05-14A	CURB RAMPS TYPES 1 AND 1-A
08D05-14B	CURB RAMPS TYPES 2 AND 3
08D05-14C	CURB RAMPS TYPE 4A
08D05-14D	CURB RAMPS TYPE 4B
08D05-14E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F02-01	APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-04A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-04B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-04C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-01	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C05-01	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C08-15A	PAVEMENT MARKING (MAINLINE)
15C08-15B	PAVEMENT MARKING (INTERSECTIONS)
15C12-03	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15D30-01	TRAFFIC CONTROL, SIDEWALK CLOSURE



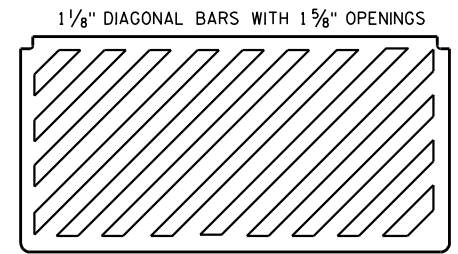
NOTE:
GRATE IS REVERSIBLE.



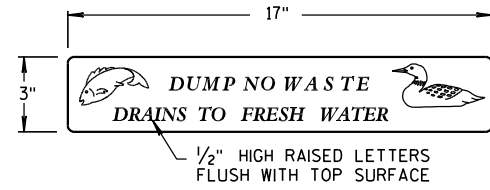
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"



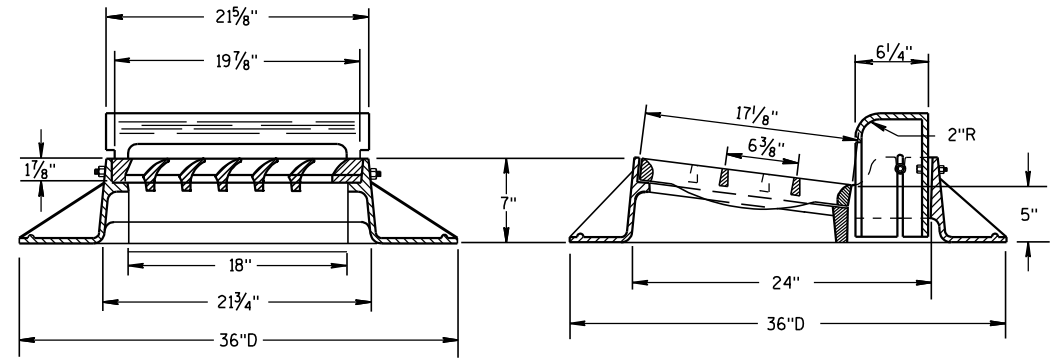
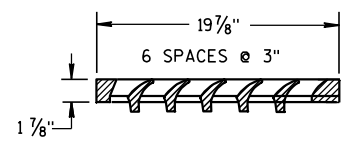
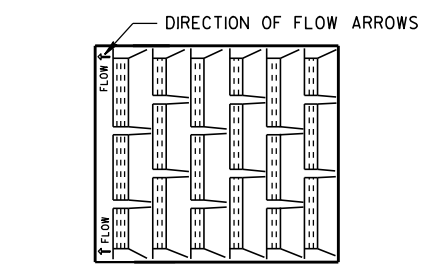
TYPE "H"
(APPROXIMATE WEIGHT 441 LBS.)
FRAME..... 181 LBS.
GRATE..... 146 LBS.
CURB BOX..... 114 LBS.



SPECIAL GRATE FOR TYPE "H" COVER
(MEASURES 35 1/4" X 17 3/4" X 2")
(APPROXIMATE WEIGHT 159 LBS.)
GRATE..... 159 LBS.
(NOTED AS TYPE H-S ON DRAINAGE TABLE)



LOGO DETAIL



TYPE "A"
(APPROXIMATE WEIGHT 340 LBS.)
FRAME..... 185 LBS.
GRATE..... 71 LBS.
CURB BOX..... 84 LBS.

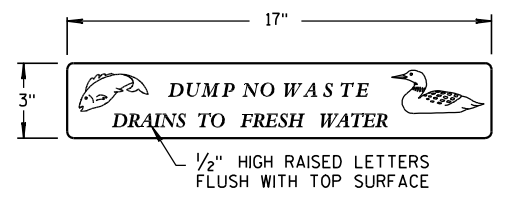
GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

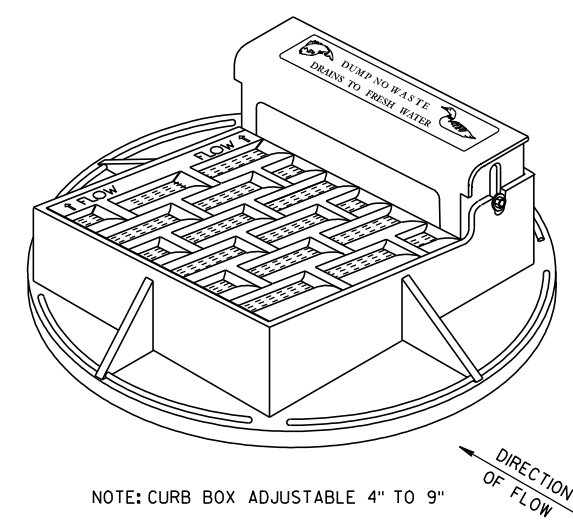
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

THE ACTUAL WEIGHT OF COVERS MAY VARY WITHIN 5 PERCENT, PLUS OR MINUS, OF THE APPROXIMATE WEIGHT.

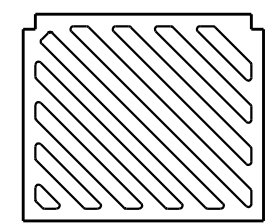


LOGO DETAIL

NOTE:
GRATE IS REVERSIBLE.



1" DIAGONAL BARS WITH 1 1/2" OPENINGS

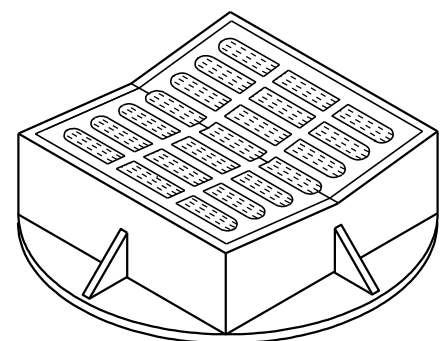
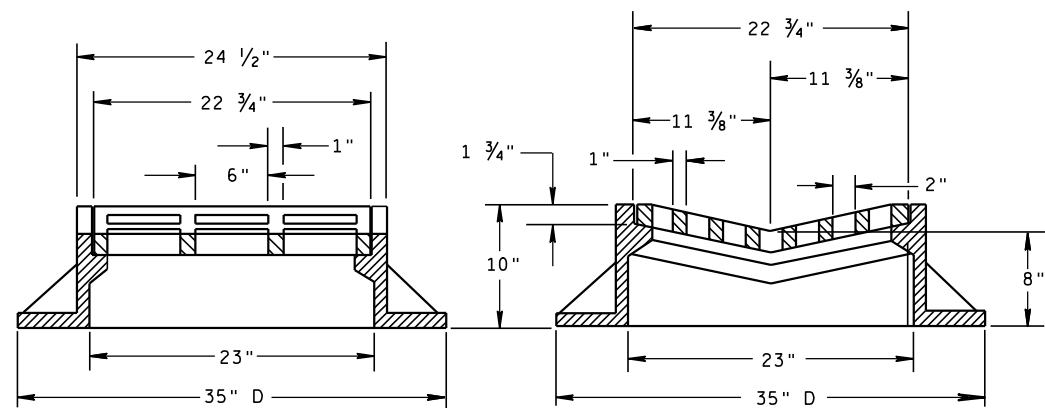


SPECIAL GRATE FOR TYPE "A" COVER
(MEASURES 19 3/4" X 17" X 1 7/8")
GRATE..... 84 LBS.
(NOTED AS TYPE A-S ON DRAINAGE TABLE)

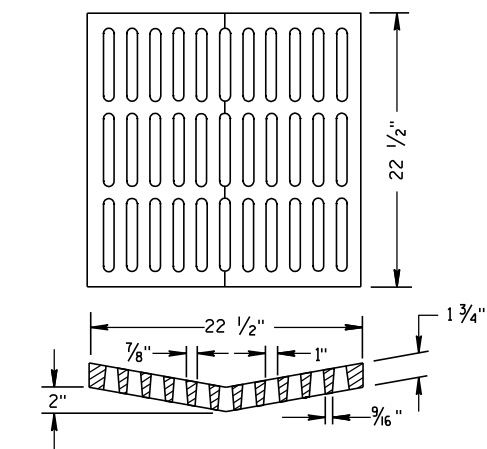
**INLET COVERS
TYPE A, H, A-S, & H-S**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED		
6/5/2012	/S/ Jerry H. Z...	
DATE	ROADWAY STANDARDS 95	IENT
FHWA	ENGINEER	



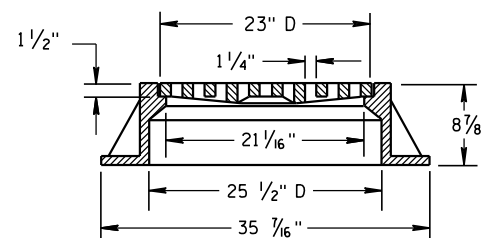
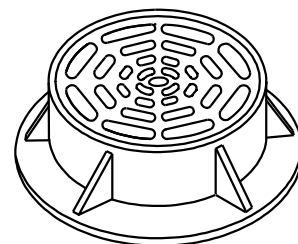
TYPE "B"
(APPROXIMATE WEIGHT 405 LBS.)
FRAME..... 294 LBS.
GRATE..... 111 LBS.



**ALTERNATIVE GRATE FOR
TYPE "B" COVER**

(APPROXIMATE GRATE WEIGHT 134 LBS.)

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS POSSIBLE.
NOTED AS TYPE B-A ON THE DRAINAGE TABLE



TYPE "C"
(APPROXIMATE WEIGHT 259 LBS.)

FRAME..... 152 LBS.
GRATE..... 107 LBS.

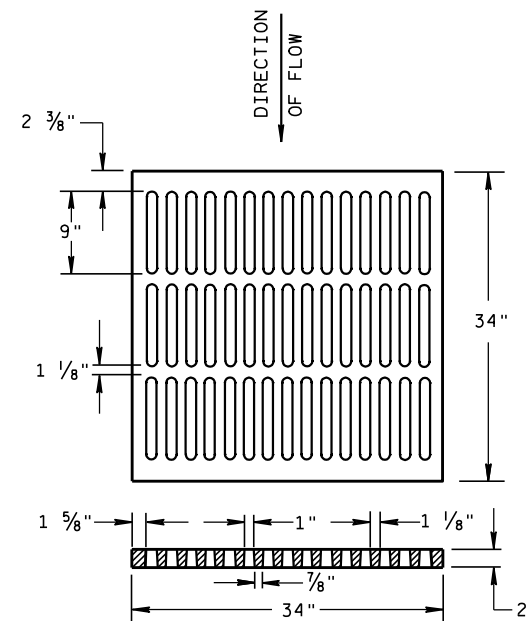
GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

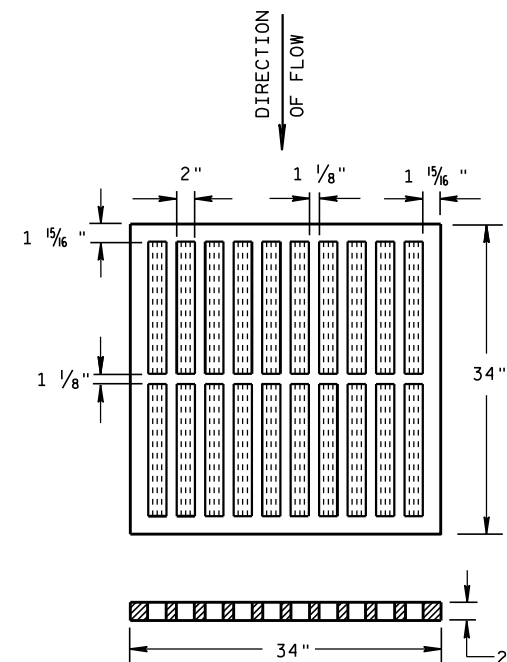
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

THE ACTUAL WEIGHT OF COVERS MAY VARY WITHIN 5 PERCENT, PLUS OR MINUS, OF THE APPROXIMATE WEIGHT.



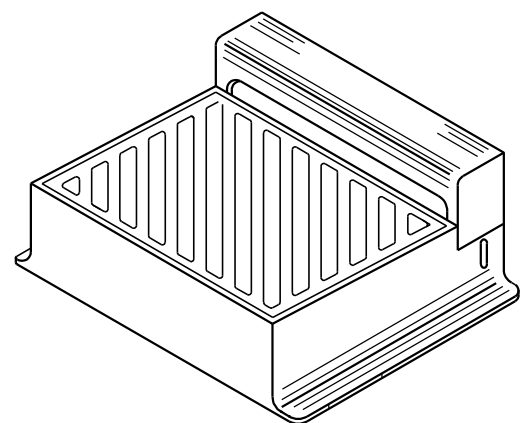
ALTERNATIVE TYPE "MS"
(APPROXIMATE GRATE WEIGHT 329 LBS.)

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE



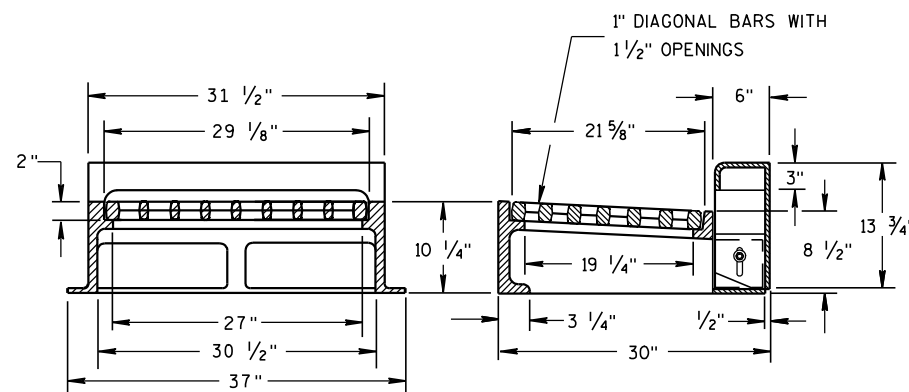
TYPE "MS"
(APPROXIMATE GRATE WEIGHT 268 LBS.)

USE ON FREEWAYS AND EXPRESSWAYS
NOTED AS TYPE MS ON DRAINAGE TABLE



DIRECTION
OF FLOW

DIAGONAL SLOTS, SHALL BE ORIENTED
TO THE DIRECTION OF FLOW AS ILLUSTRATED.
GRATES ARE MANUFACTURED TO BE REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

TYPE "WM"
(APPROXIMATE WEIGHT 648 LBS.)

FRAME..... 355 LBS.
GRATE..... 156 LBS.
CURB BOX..... 137 LBS.

INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/5/2012

DATE

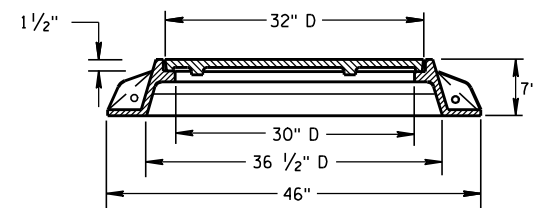
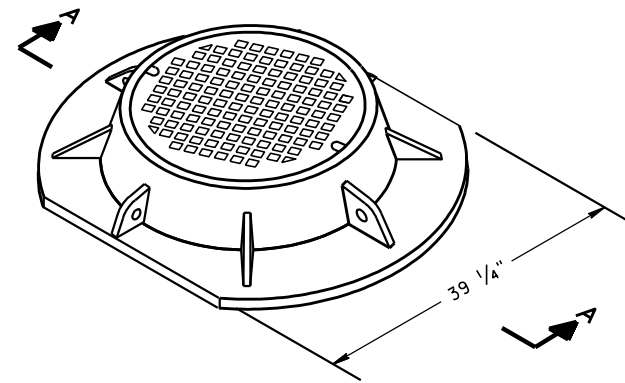
FHWA

/S/ Jerry H. Zopp

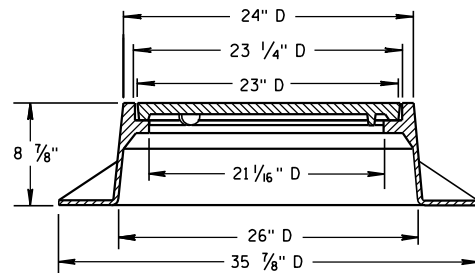
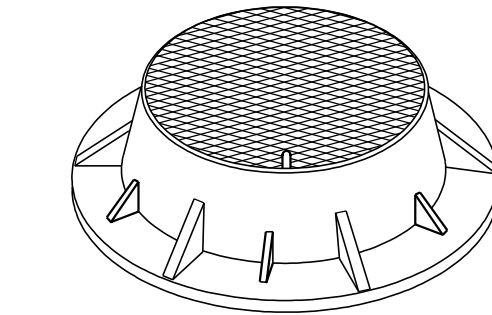
ROADWAY STANDARDS 96

ENGINEER

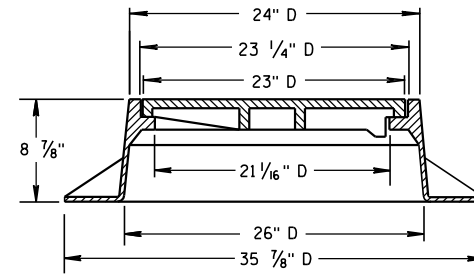
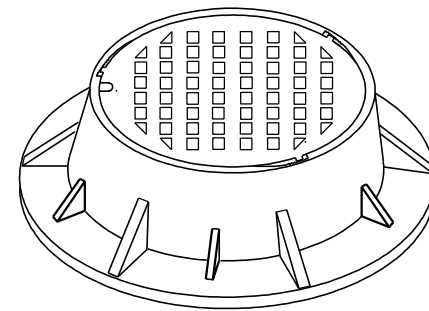
ENT



SECTION A-A
TYPE "K"
(APPROXIMATE WEIGHT 439 LBS.)
FRAME.....216 LBS.
LID.....223 LBS.



TYPE "J"
(APPROXIMATE WEIGHT 267 LBS.)
FRAME.....152 LBS.
LID.....115 LBS.



TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(APPROXIMATE WEIGHT 267 LBS.)
FRAME.....158 LBS.
LID.....109 LBS.
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)

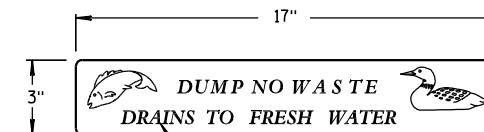
GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

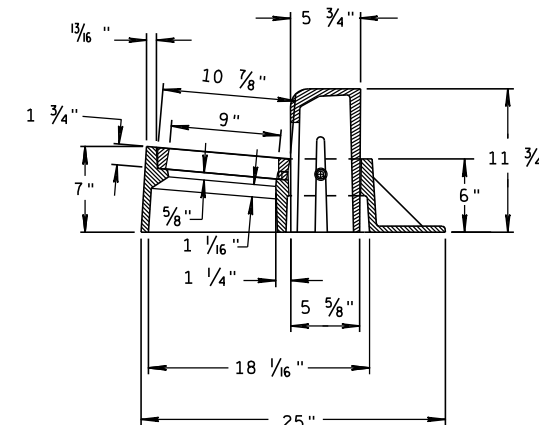
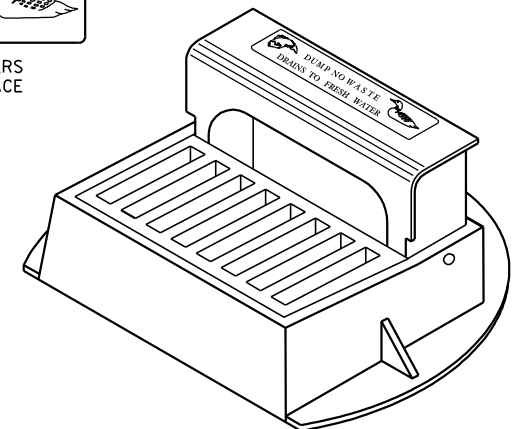
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

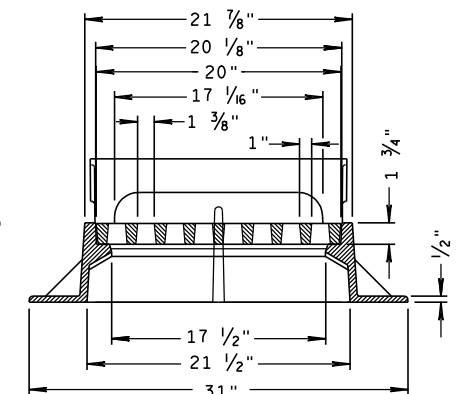
THE ACTUAL WEIGHT OF COVERS MAY VARY WITHIN 5 PERCENT, PLUS OR MINUS, OF THE APPROXIMATE WEIGHT.



LOGO DETAIL



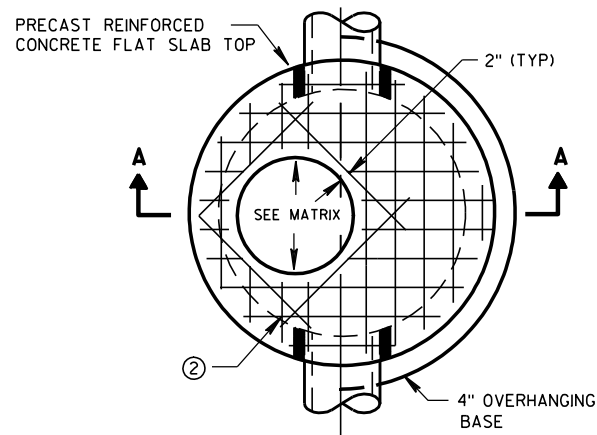
INLET COVER TYPE "Z"
(APPROXIMATE WEIGHT 344 LBS.)
FRAME.....206 LBS.
GRATE.....46 LBS.
CURB BOX.....92 LBS.



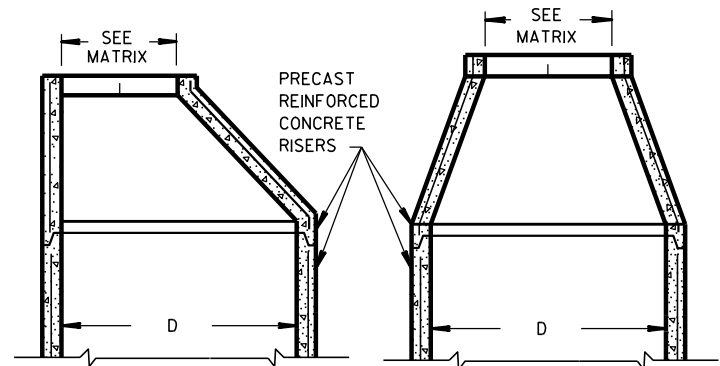
**INLET COVERS, TYPE BW, Z
MANHOLE COVERS, TYPE
K, J, J-S, L & M**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 /S/ Jerry H. Zocco
DATE ROADWAY STANDARDS 197 NT
FHWA ENGINEER

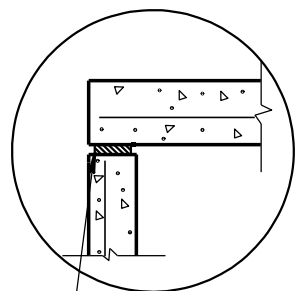


PLAN VIEW CIRCULAR OPENING

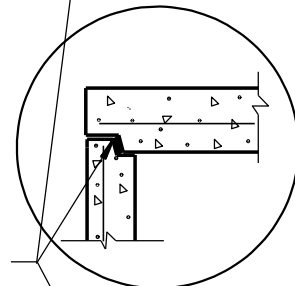


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

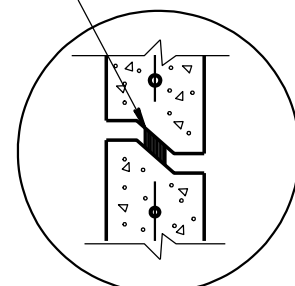
OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP



TOP WITH PLAIN END JOINT



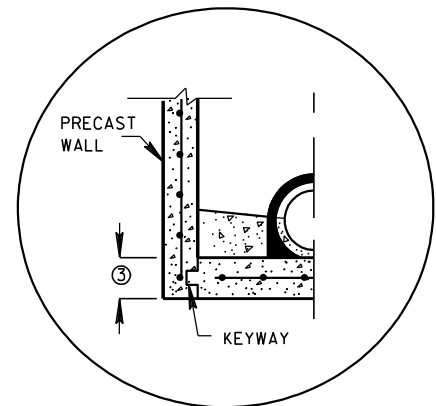
TOP WITH TONGUE AND GROOVE JOINT



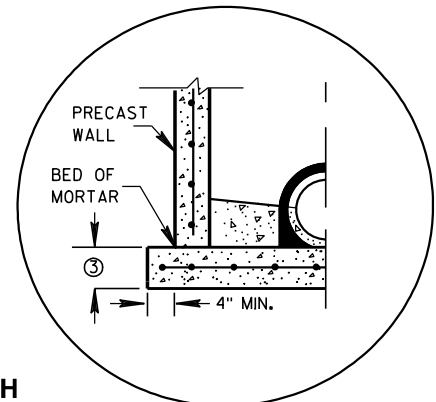
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

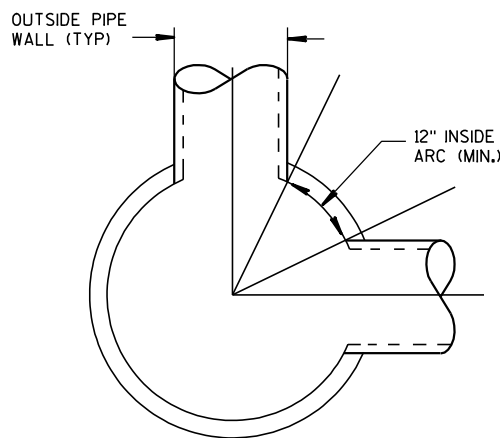


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

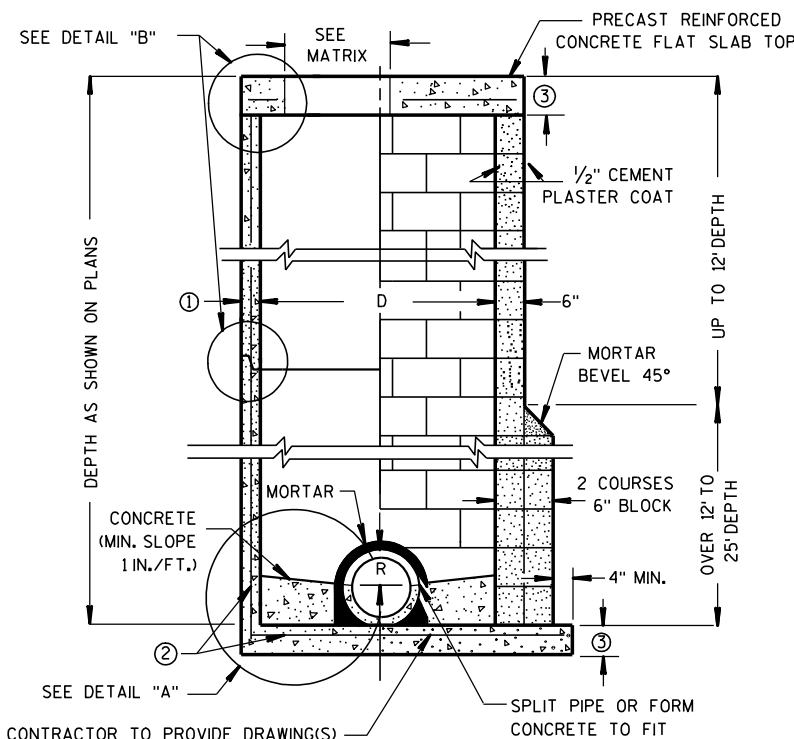


SEPERATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"



CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES

PRECAST REINFORCED CONCRETE BLOCK WITH CONCRETE WITH MONOLITHIC BASE CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS. UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES. THE CONE TOPS SHALL BE INSTALLED ON A BED OF MORTAR.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF 1/2" AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED. CONCRETE BLOCK WILL NOT BE PERMITTED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPERATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

- ① MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT, 7 INCHES FOR 6-FT, 8 INCHES FOR 7-FT AND 9 INCHES FOR 8-FT DIAMETER PRECAST MANHOLES.
- ② FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.
- ③ PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

MANHOLE COVER OPENING MATRIX

MANHOLE COVER TYPE	C	ALL J'S	K	L	M
OPENING SIZE (FT)					
2 DIA.	X	X		X	
3 DIA.			X		X

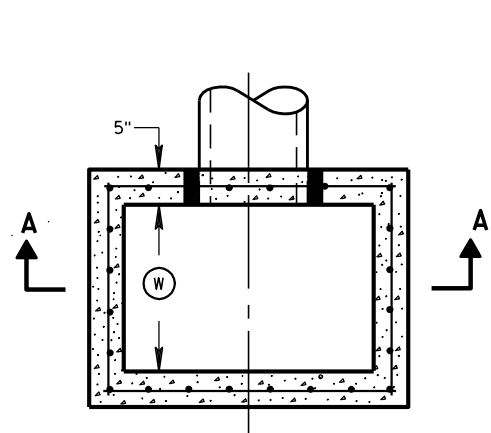
PIPE MATRIX

MANHOLE SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	36
7-FT	48	36
8-FT	60	42

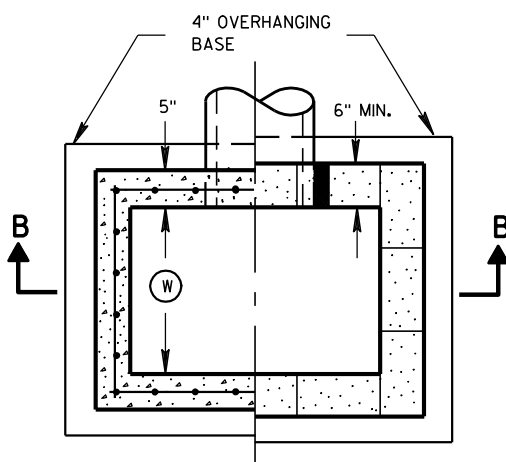
MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 /S/ Jerry H. Zogg
DATE ROADWAY STANDARDS DEPARTMENT
FHWA ENGINEER 98

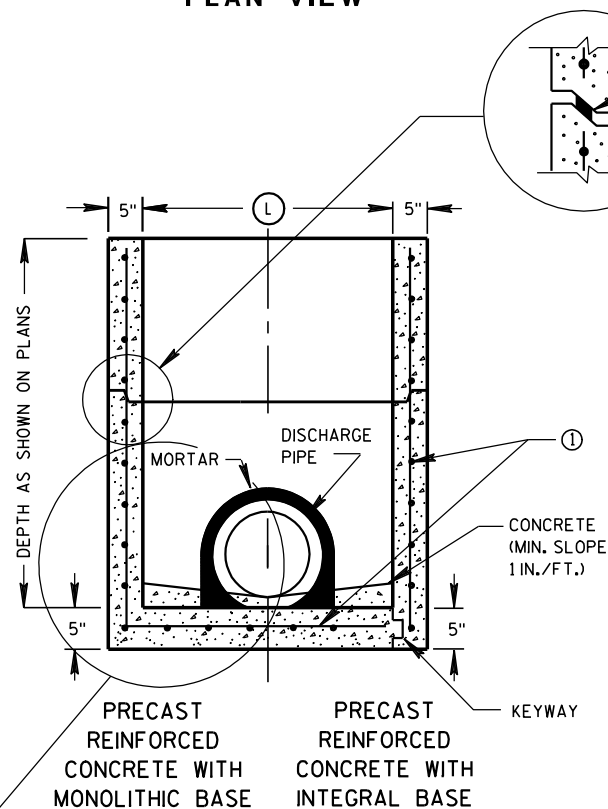


PLAN VIEW

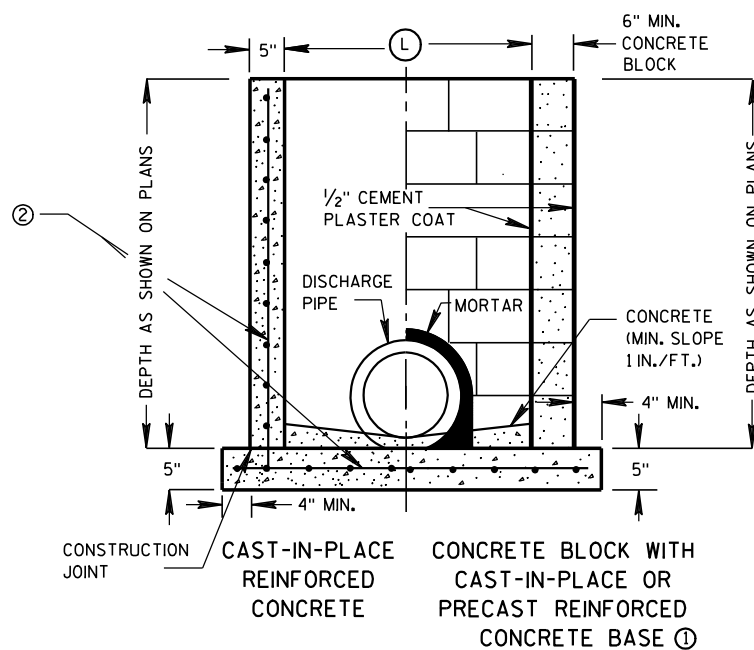


PLAN VIEW

RISER JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)



SECTION A-A



SECTION B-B

SEPERATE PRECAST REINFORCED CONCRETE BASE OPTION

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPERATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

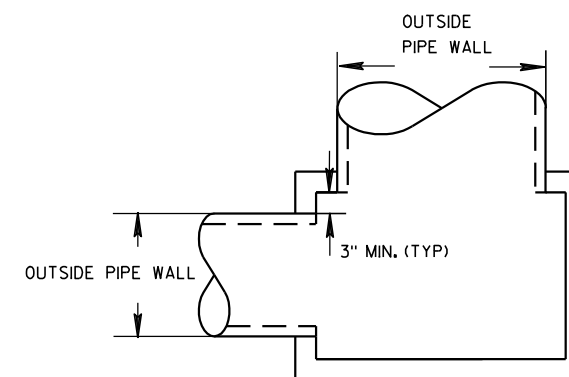
- FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.
- CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (FT)	LENGTH (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24

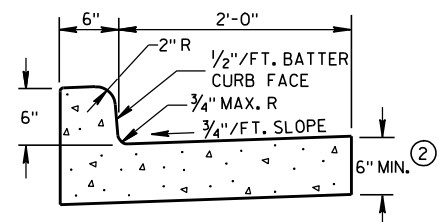


DETAIL "A"

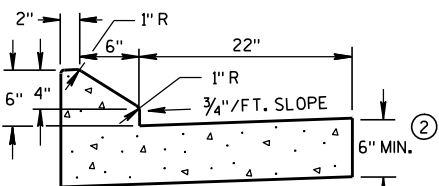
INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

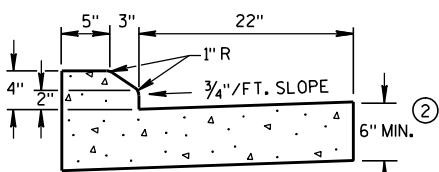
APPROVED
6/5/2012 /S/ Jerry H. Zoaa
DATE ROADWAY STANDARDS D 99 IT
FHWA ENGINEER



TYPES A & D ①



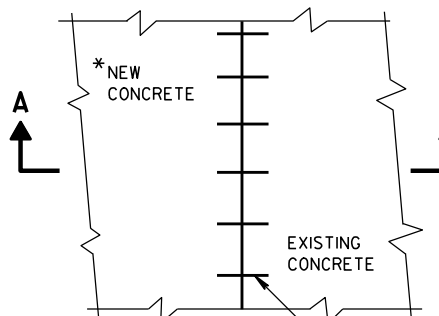
6" SLOPED CURB TYPES G & J ①



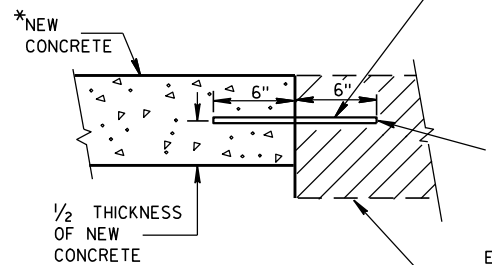
4" SLOPED CURB TYPES G & J ①

CONCRETE CURB & GUTTER 30"

* NEW CURB & GUTTER,
SURFACE DRAINS,
CONCRETE PAVEMENT
OR OTHER NEW CONCRETE.



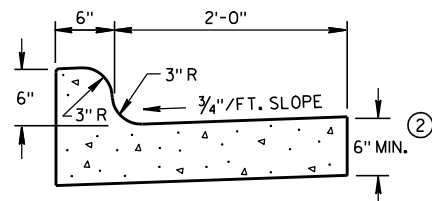
PLAN VIEW

SECTION A-A
TIE BARS DRILLED
INTO EXISTING PAVEMENT

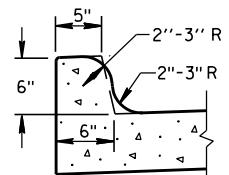
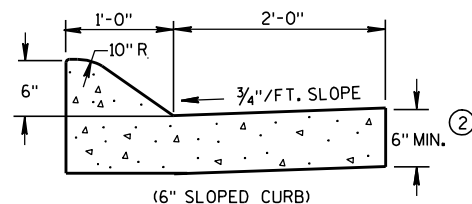
NO. 6 TIE BARS SPACED 2'-6" C-C,
INSTALLED PERPENDICULAR
TO THE LONGITUDINAL JOINT.

MAXIMUM DRILL HOLE
SIZE IS 1/8" GREATER
THAN TIE BAR DIAMETER

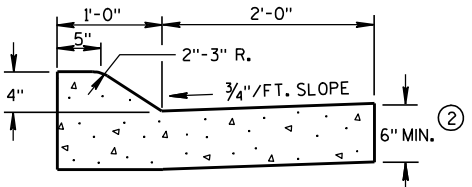
EXISTING
CONCRETE



TYPES K & L ①

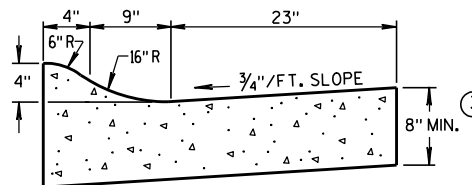
OPTIONAL CURB SHAPE
FOR TYPES K & L ①

(6" SLOPED CURB)



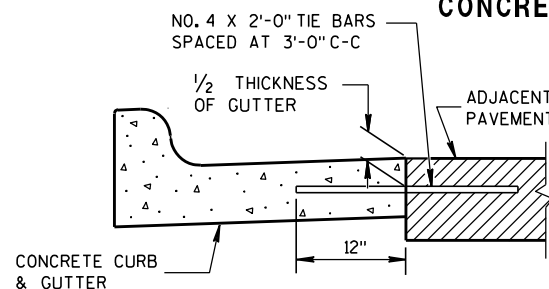
(4" SLOPED CURB)

TYPES A & D ①

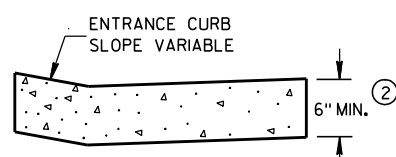


4" SLOPED CURB TYPES R & T ① ④

CONCRETE CURB & GUTTER 36"

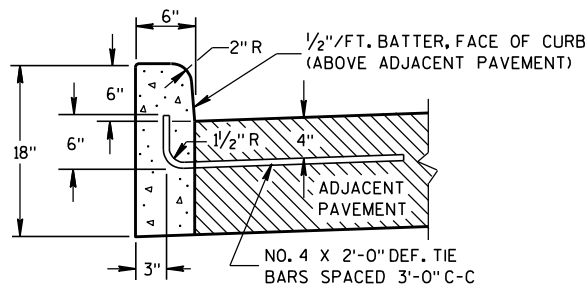


TYPICAL TIE BAR LOCATION ①



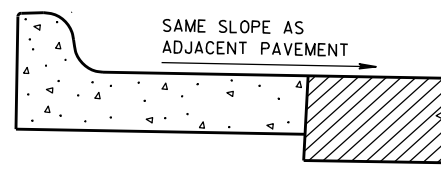
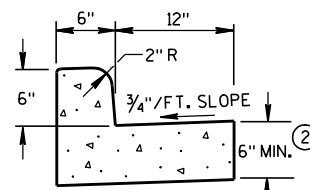
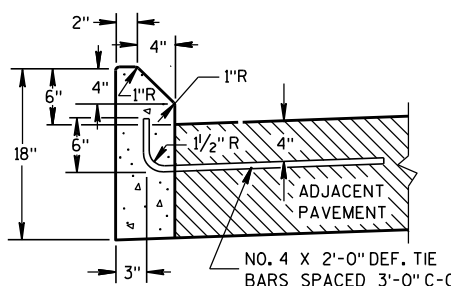
DRIVEWAY ENTRANCE CURB

(WHEN DIRECTED BY THE ENGINEER)



TYPES A & D ①

CONCRETE CURB

REVERSE SLOPE GUTTER ⑤
(TYPICAL FOR ALL CURB & GUTTER TYPES)TYPES A & D
CONCRETE CURB & GUTTER 18"

TYPES G & J ①

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

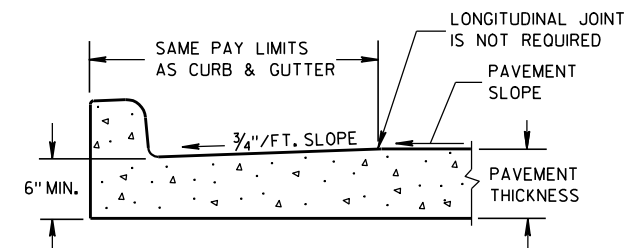
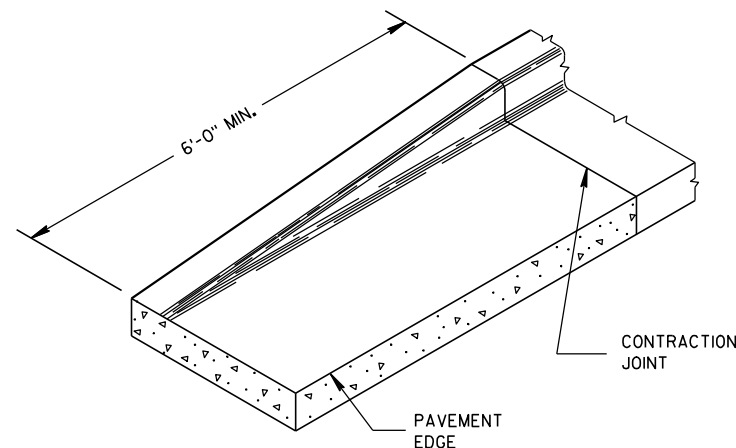
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB & GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB & GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE. A LONGITUDINAL CONSTRUCTION JOINT IS NOT REQUIRED WITH INTEGRAL CURB AND GUTTER.

WHERE THE TRANSVERSE JOINTS IN THE PAVEMENT ARE REQUIRED TO BE SEALED, THE JOINTS IN THE INTEGRAL CURB AND GUTTER SHALL BE SEALED TO THE FACE OF CURB WITH THE SAME TYPE OF SEALANT. THE COST OF FURNISHING AND INSTALLING THIS SEALANT SHALL BE INCIDENTAL TO THE ITEM CONCRETE CURB AND GUTTER.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2'-0" BEHIND THE BACK OF CURBS.

- ① TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K AND R.
- ② THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.
- ③ THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.
- ④ THE FACE OF CURB IS 6" FROM THE BACK OF CURB.
- ⑤ WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.

PARTIAL SECTION OF PAVEMENT
WITH INTEGRAL CURB & GUTTER

END SECTION CURB & GUTTER

CONCRETE CURB, CONCRETE
CURB & GUTTER AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

9/4/08

DATE

FHWA

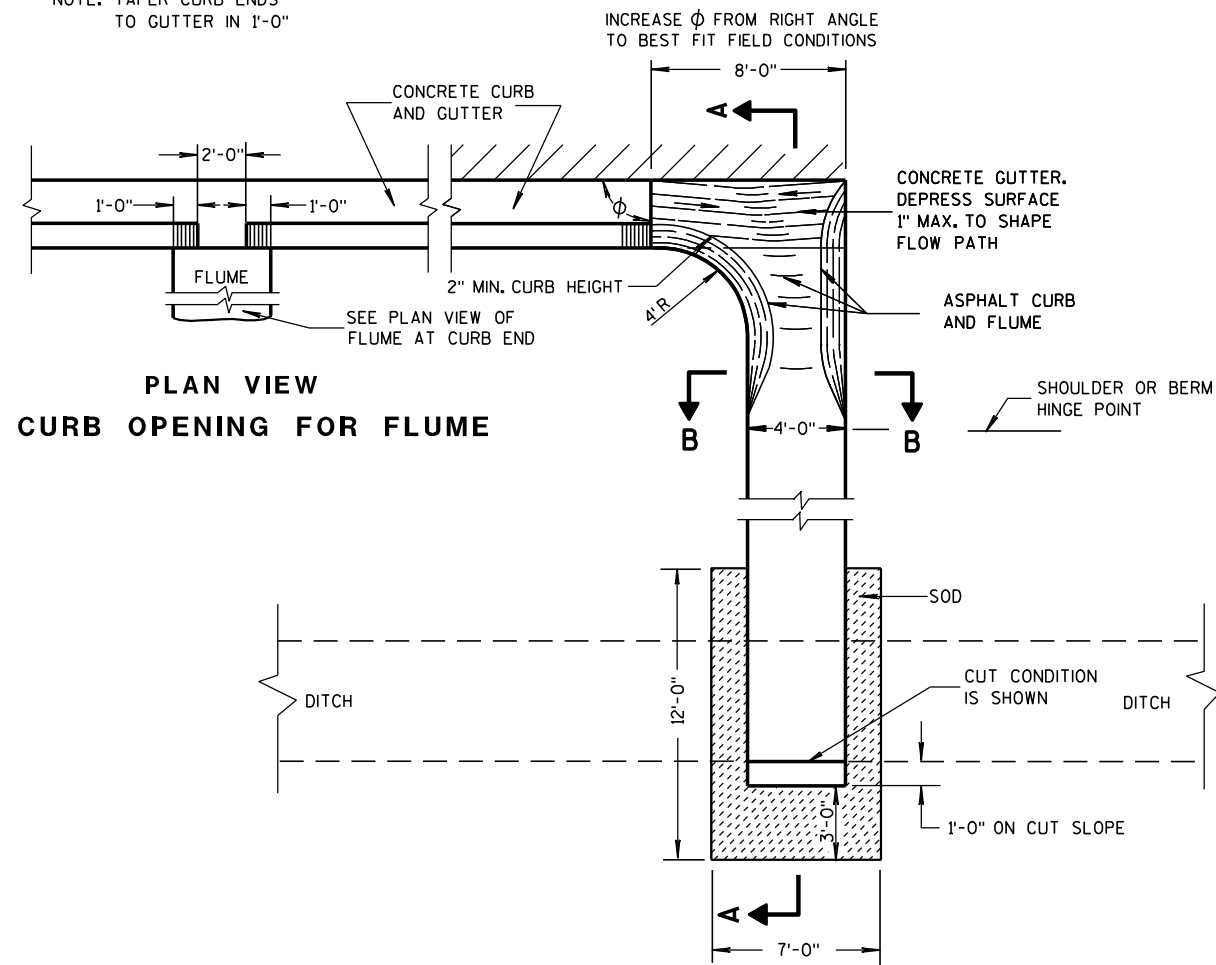
/S/ Jerry H. 7

ROADWAY STANDARDS 101

ENGINEER ENT

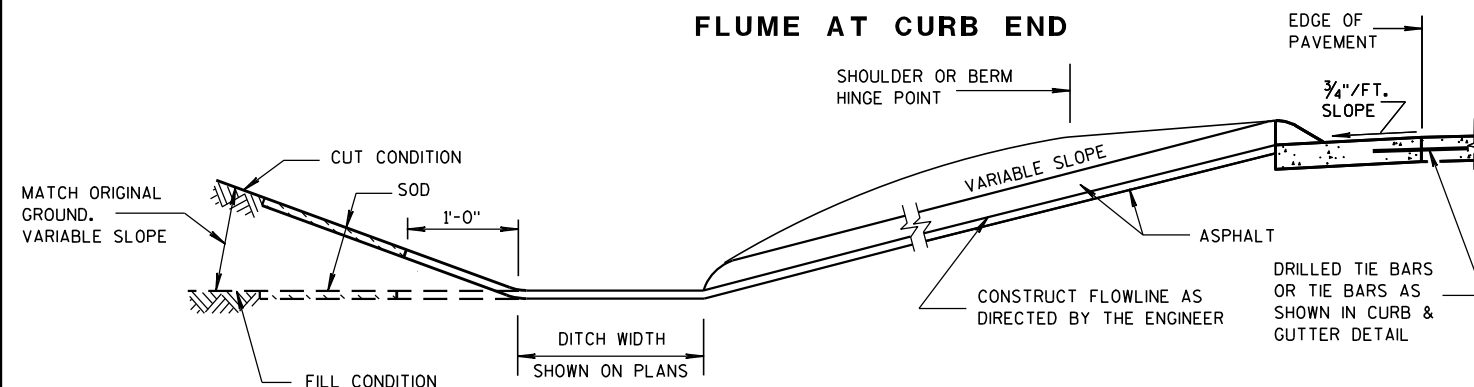
ASPHALTIC FLUME

NOTE: TAPER CURB ENDS
TO GUTTER IN 1'-0"

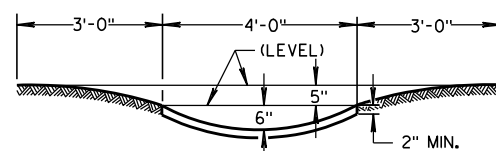


PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



SECTION A-A



SECTION B-B

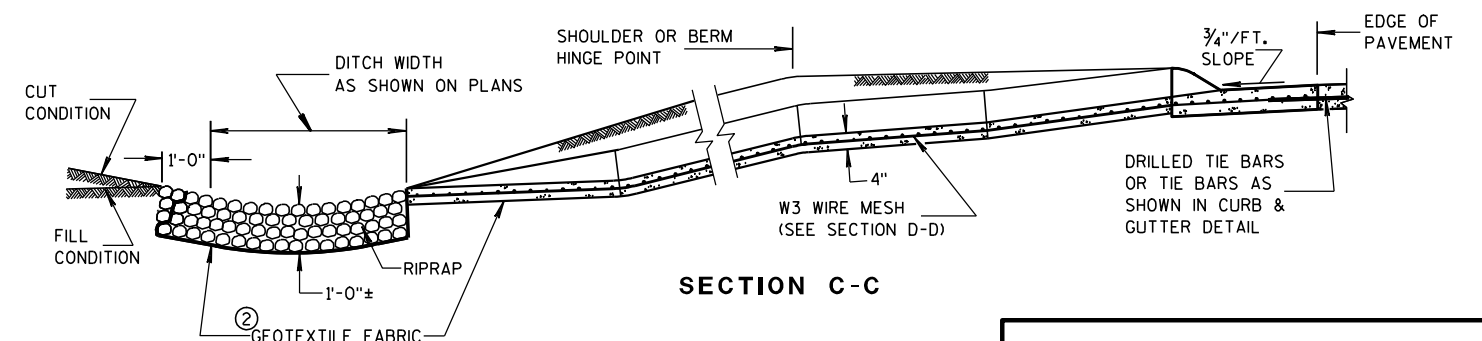
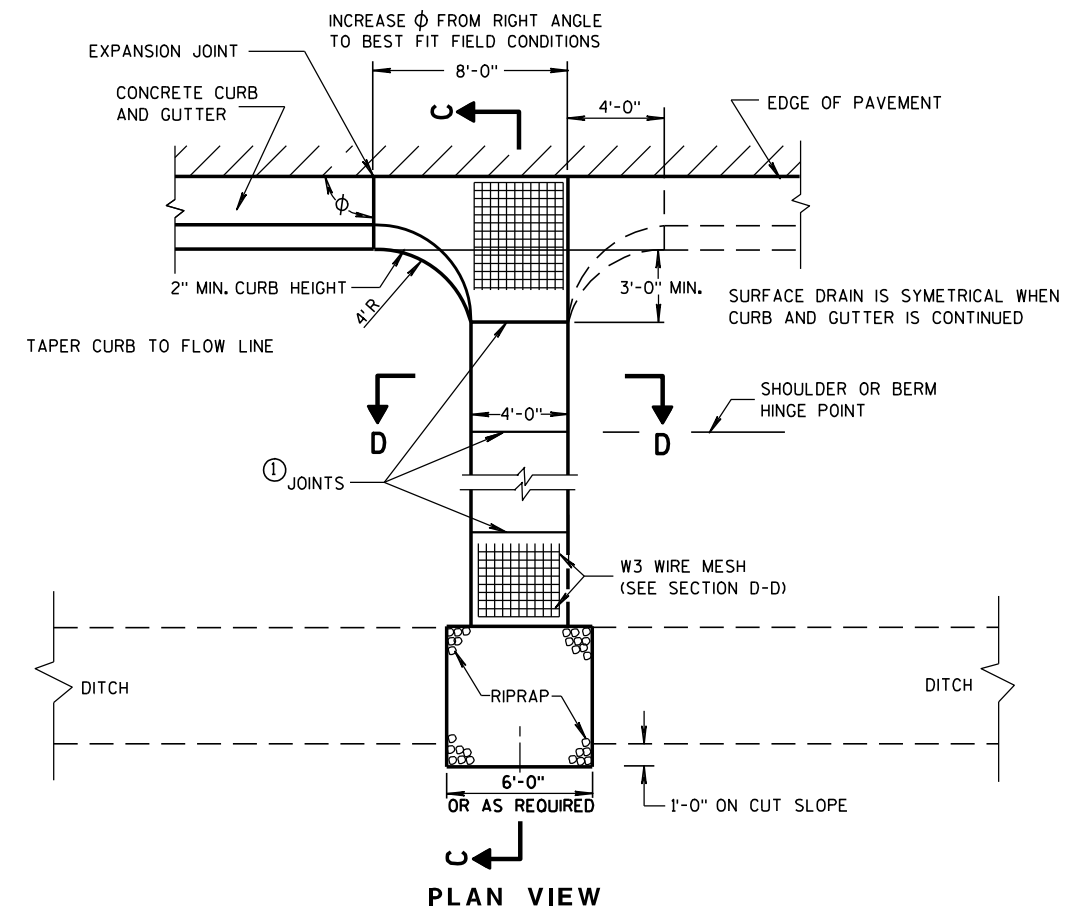
GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

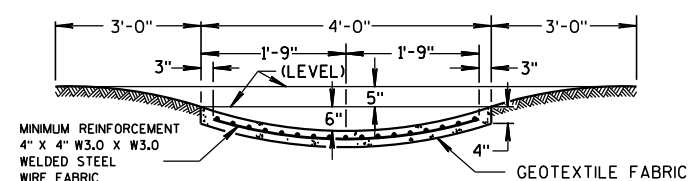
WELDED STEEL WIRE FABRIC SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

- ① JOINTS SHALL BE $\frac{1}{8}$ TO $\frac{1}{4}$ INCH WIDE BY $1\frac{1}{2}$ INCHES DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.
- ② GEOTEXTILE FABRIC TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.
- ③ CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED

③ CONCRETE SURFACE DRAIN



SECTION C-C



SECTION D-D

CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES

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DEPARTMENT OF TRANSPORTATION

APPROVED

9-4-08

DATE

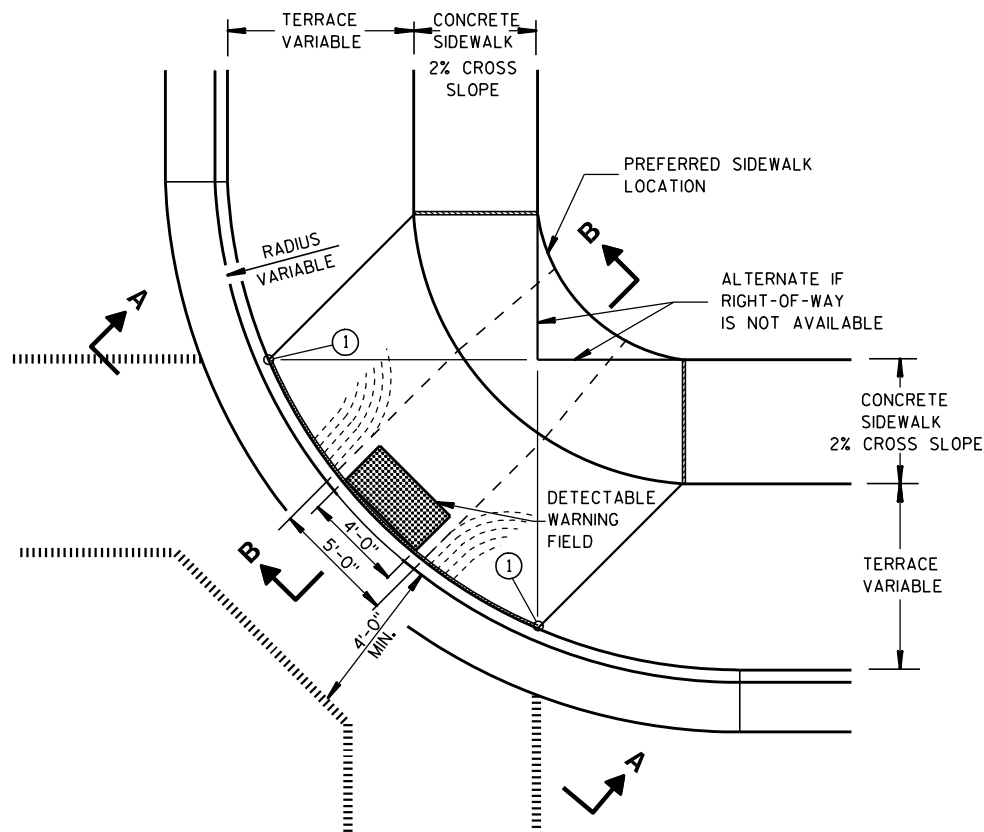
FHWA

/S/ Jerry H. 7000

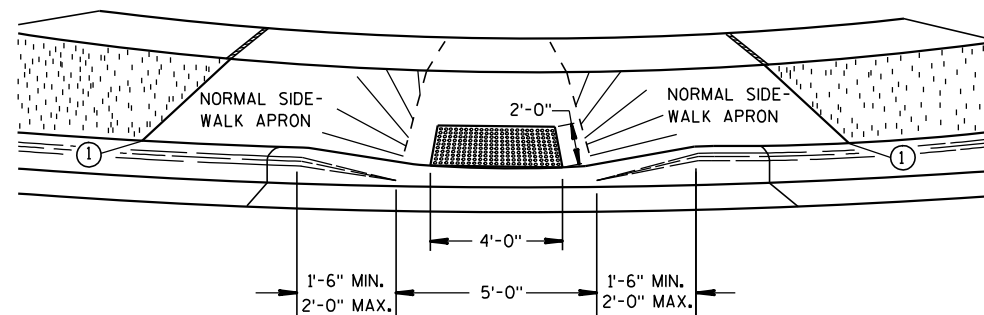
ROADWAY STANDARDS 102

ENGINEER

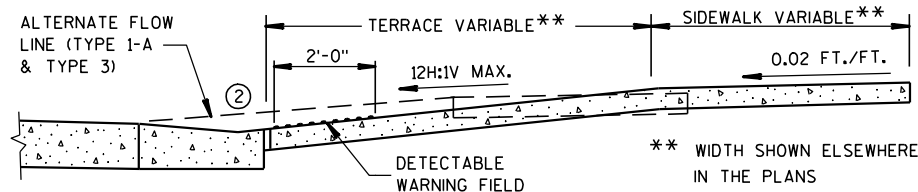
MENT



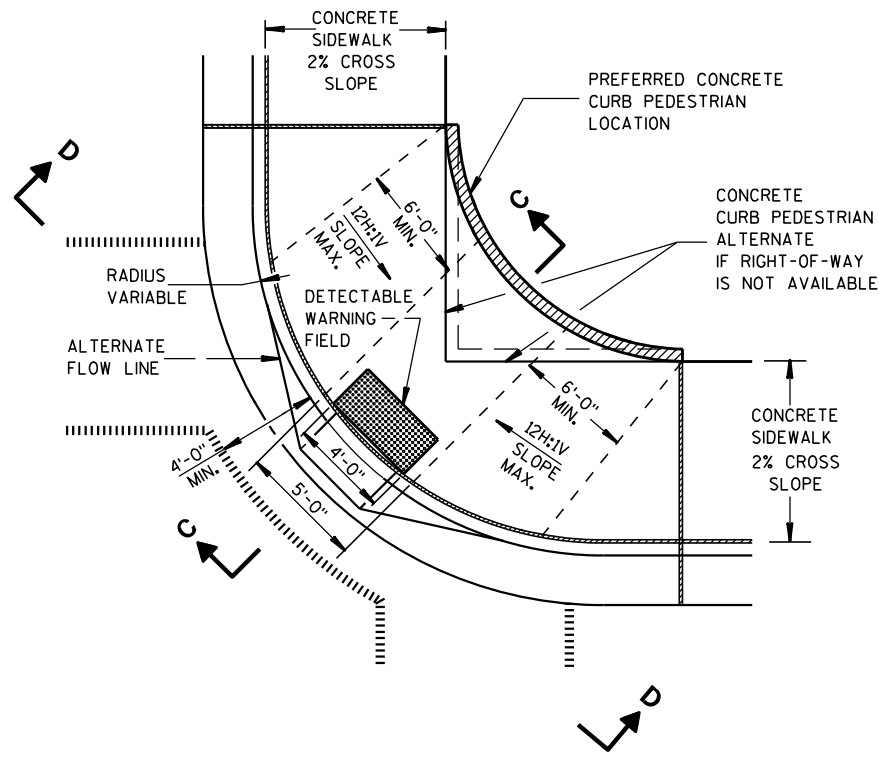
PLAN VIEW
TYPE 1 RAMP
(CENTER OF CORNER RADIUS)



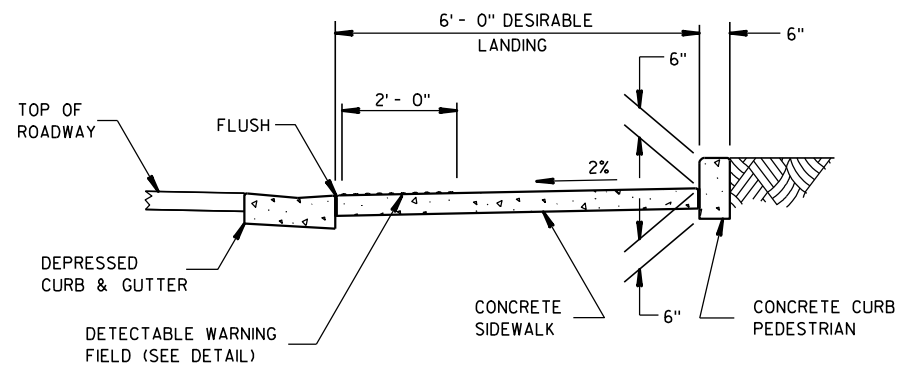
VIEW A-A



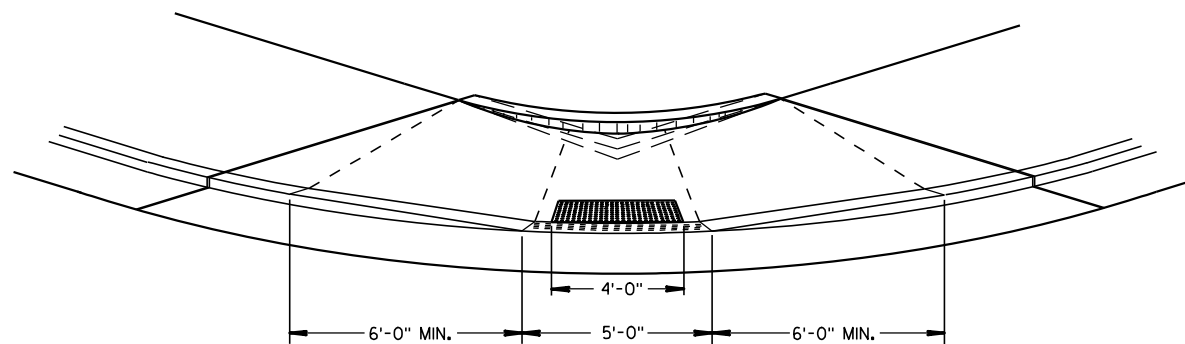
SECTION B-B



PLAN VIEW
TYPE 1-A RAMP
(NO TERRACE)



SECTION C-C



VIEW D-D

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

RAMPS SHALL BE BUILT AT 12H:1V OR FLATTER. WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FIELD SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAL FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD".

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.

- THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB.
- GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. PROVIDE DRAINAGE AWAY FROM CURB RAMP AT GUTTER FLAG INTERFACE.

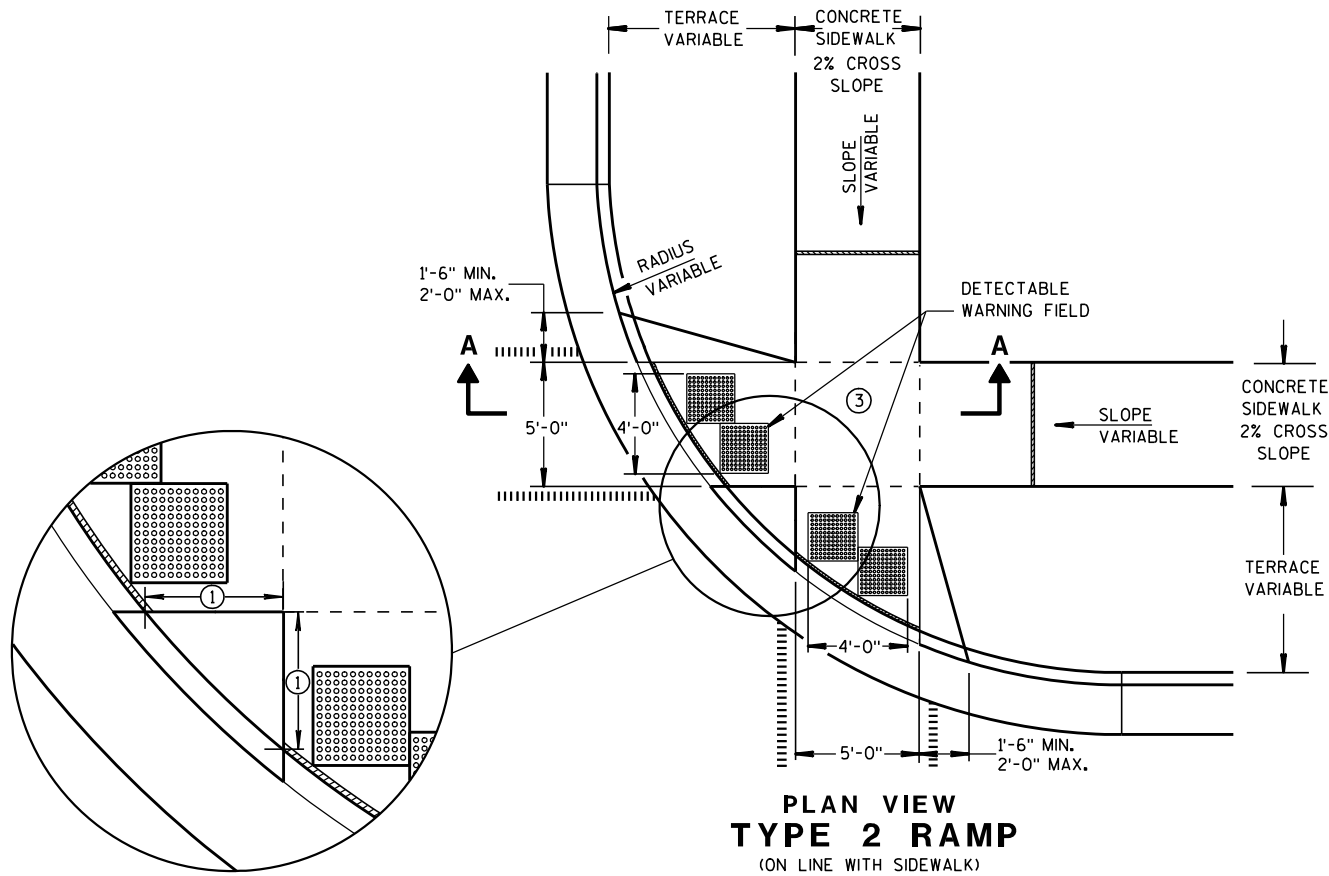
LEGEND

- 1/2" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT

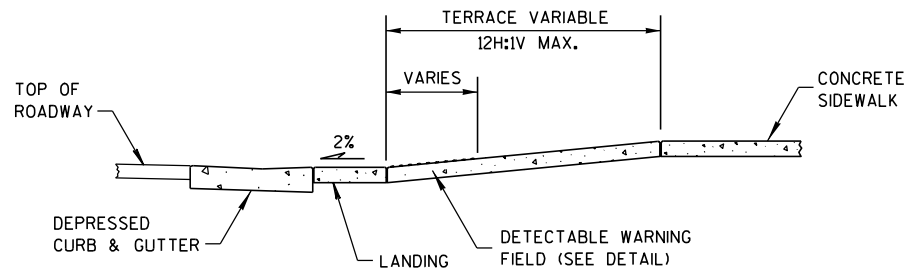
CURB RAMPS TYPES 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

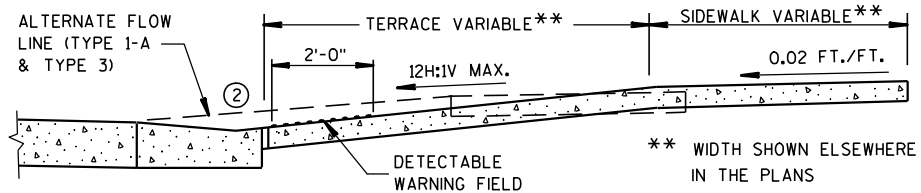
103



PLAN VIEW
TYPE 2 RAMP
(ON LINE WITH SIDEWALK)



SECTION A-A



SECTION B-B

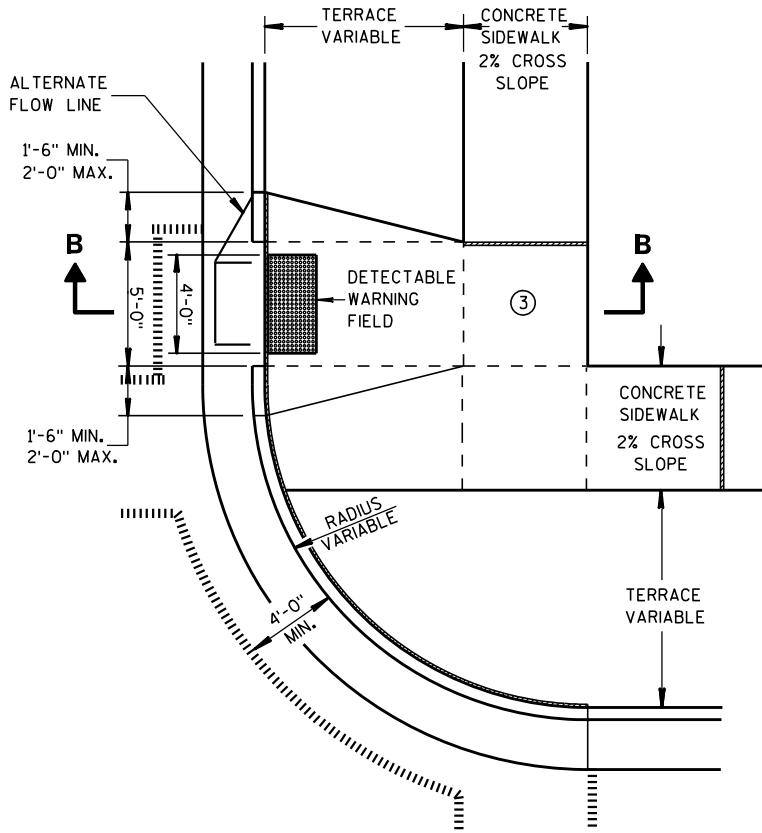
GENERAL NOTES

USE THE TYPE 3 RAMP ONLY WHEN A TYPE 1 OR TYPE 2 CANNOT BE ACHIEVED BECAUSE OF FIELD CONDITIONS.

- ① WHEN THIS DISTANCE IS LESS THAN 6'-0" IT MAY BE DIFFICULT TO ACHIEVE A 12H:1V SLOPE, OR FLATTER, ON THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 12H:1V SLOPE, OR FLATTER, ON RAMP. 2" MINIMUM CURB HEIGHT.
- ② GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. PROVIDE DRAINAGE AWAY FROM CURB RAMP AT GUTTER FLAG INTERFACE.
- ③ PROVIDE LANDING AT TOP OF RAMP WITH NO MORE THAN 2% SLOPE IN ANY DIRECTION.

LEGEND

- ===== 1/2" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- ||||| PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT



PLAN VIEW
TYPE 3 RAMP
(OUTSIDE OF CROSSWALK AREA)

CURB RAMPS
TYPES 2 AND 3

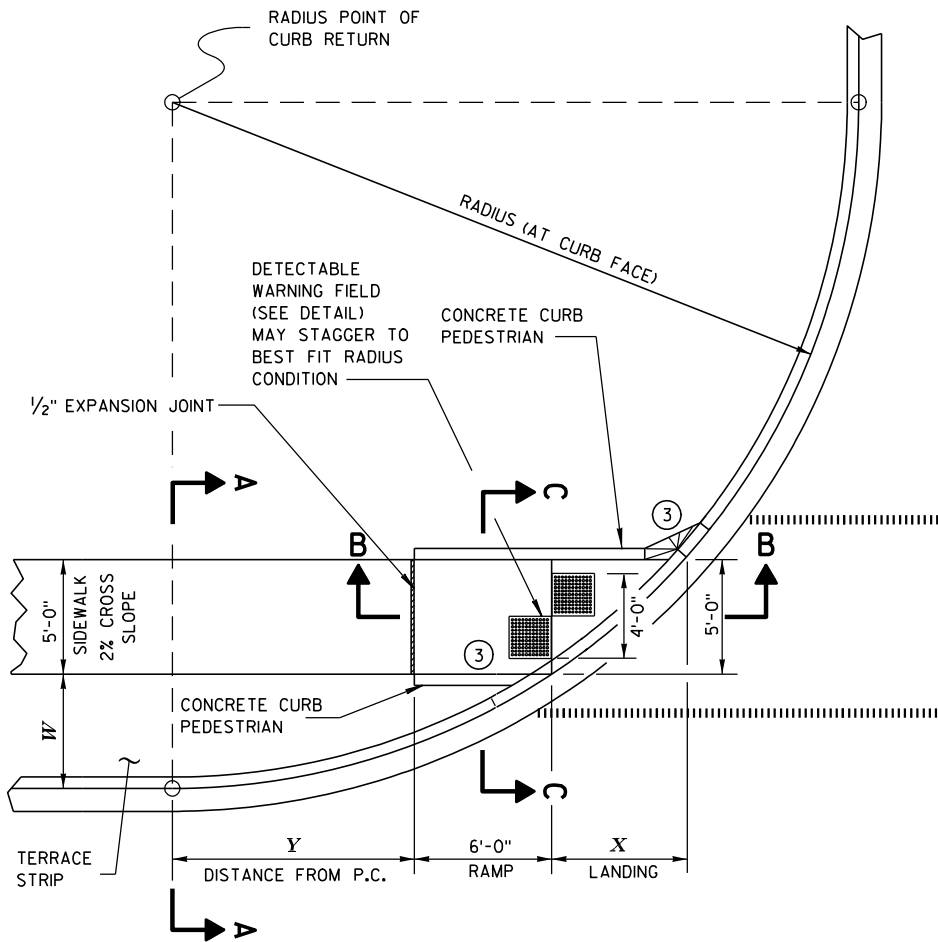
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



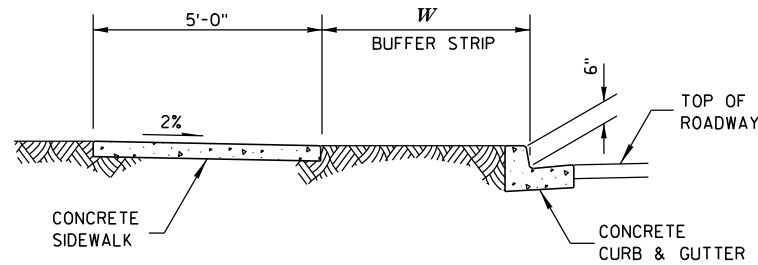
INTERMEDIATE RADII CAN BE INTERPOLATED



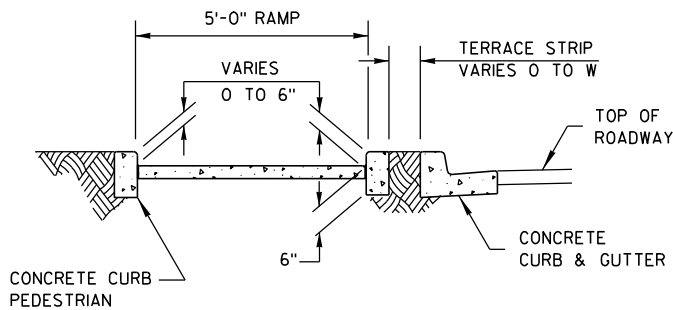
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



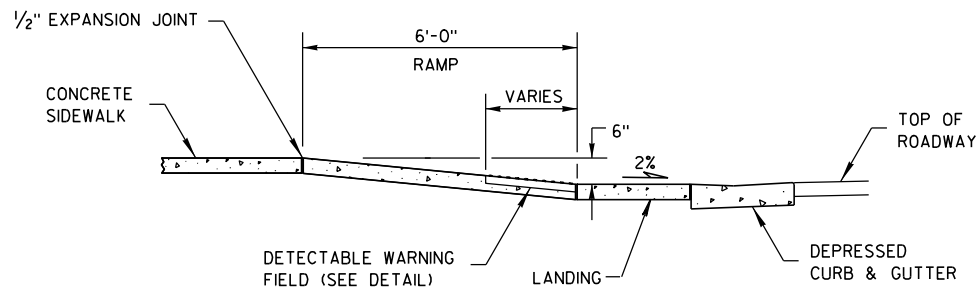
**CURB RAMP TYPE 4B
PLAN VIEW**



SECTION A-A



SECTION C-C



SECTION B-B

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

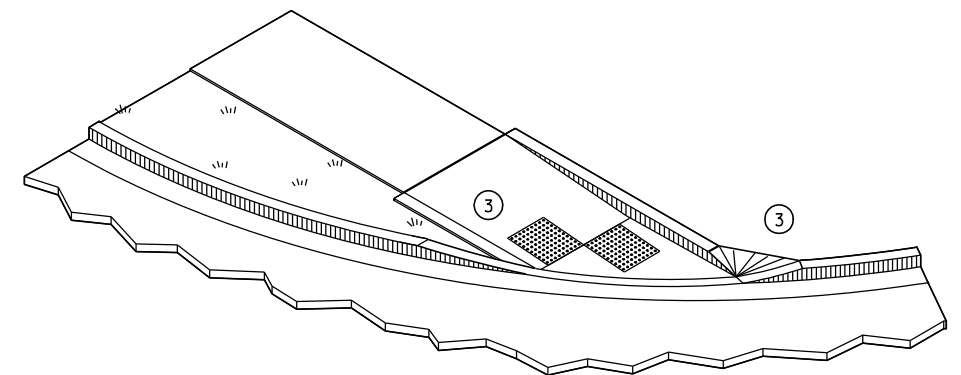
RAMP SLOPES SHALL NOT BE STEEPER THAN 12:1.

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

- ③ INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS).
DO NOT MARK TRANSITION NOSE.

RADIUS (AT CURB FACE)	W = 3'- 0"		W = 4'- 0"		W = 5'- 0"		W = 6'- 0"		W = 7'- 0"	
	X	Y	X	Y	X	Y	X	Y	X	Y
20 FEET	5'-5½"	4'-6½"	4'-8½"	6'-0"	4'-1"	7'-2¾"	3'-7"	8'-3½"	3'-1½"	9'-2½"
30 FEET	7'-3¾"	7'-1"	6'-5½"	8'-11½"	5'-9¼"	10'-7"	5'-2½"	12'-0"	4'-8¾"	13'-3¼"
40 FEET	8'-9½"	9'-2½"	7'-10"	11'-5¼"	7'-1"	13'-4½"	6'-5¾"	15'-¾"	5'-11½"	16'-7¼"
50 FEET	10'-¾"	11'-¾"	9'-¼"	13'-7¼"	8'-2½"	15'-9½"	7'-6½"	17'-9"	6'-11¾"	19'-6¼"
60 FEET	11'-2½"	12'-8¾"	10'-¾"	15'-6½"	9'-2¼"	17'-11¾"	8'-5¾"	20'-1¾"	7'-10½"	22'-1½"
70 FEET	12'-2¾"	14'-3¼"	11'-¼"	17'-4"	10'-1"	19'-11¾"	9'-3¾"	22'-4¼"	8'-8¼"	24'-6¼"
80 FEET	13'-2"	15'-8½"	11'-10½"	18'-11¾"	10'-10¾"	21'-10"	10'-1"	24'-4¾"	9'-5"	26'-8¾"
90 FEET	14'-½"	17'-½"	12'-8¼"	20'-6½"	11'-7¾"	23'-7"	10'-9¾"	26'-3¾"	10'-1¼"	28'-9½"
100 FEET	14'-10½"	18'-3¾"	13'-5½"	22'-0"	12'-4¼"	25'-2¾"	11'-5¾"	28'-1½"	10'-9"	30'-9"

INTERMEDIATE RADII CAN BE INTERPOLATED



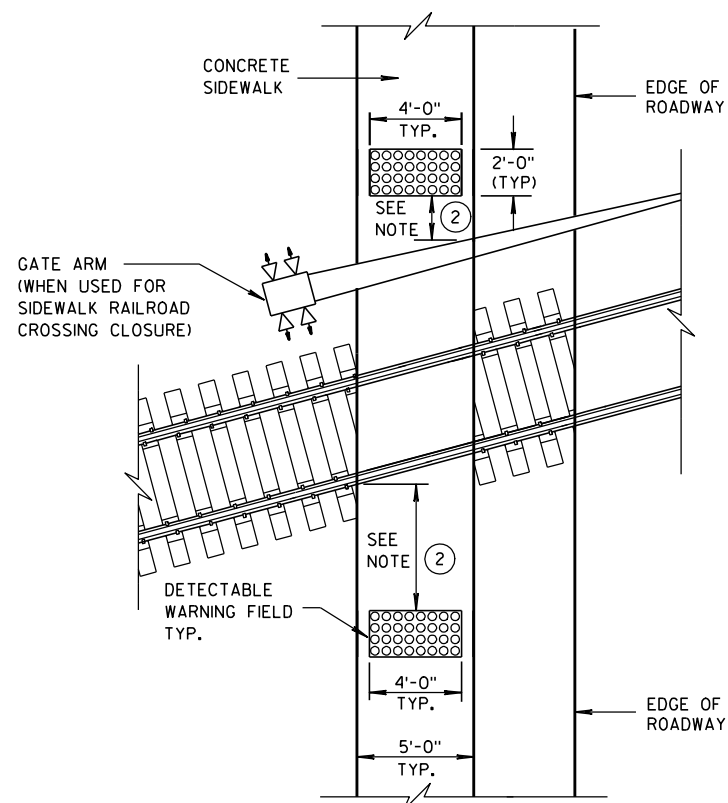
ISOMETRIC VIEW

LEGEND

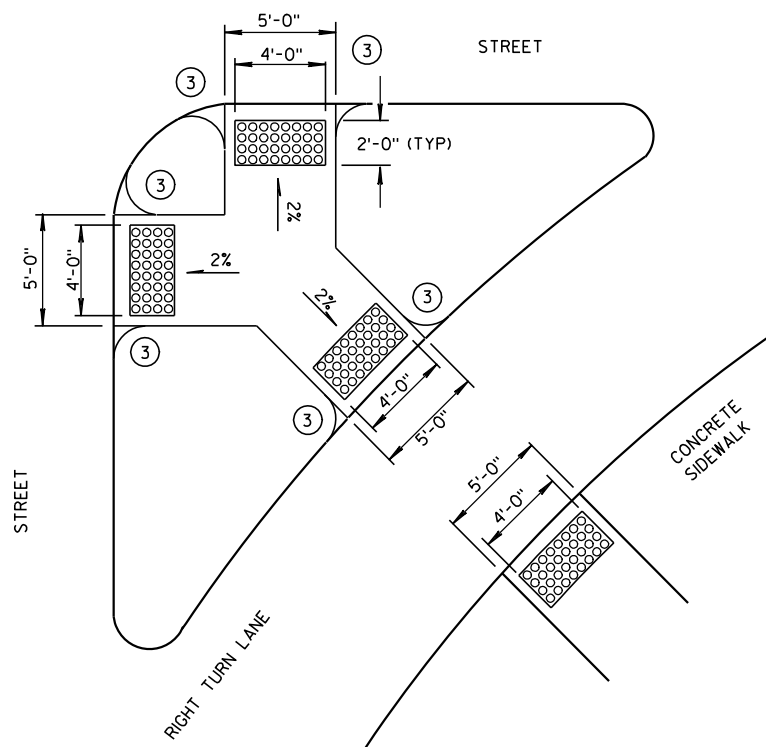
- 1/2" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

**CURB RAMPS
TYPE 4B**

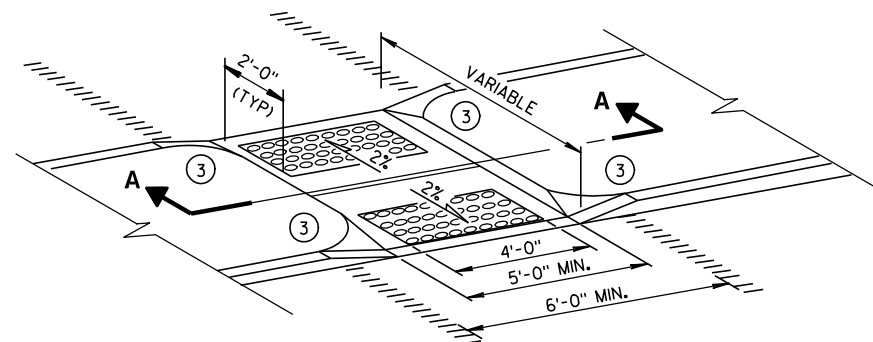
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



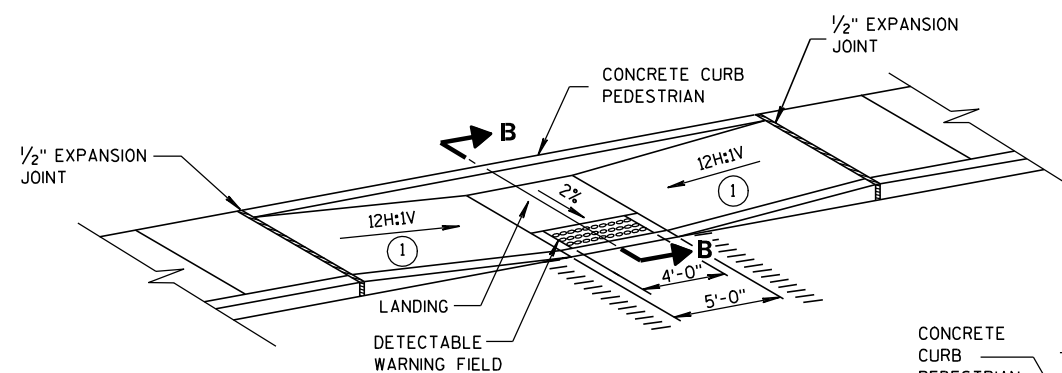
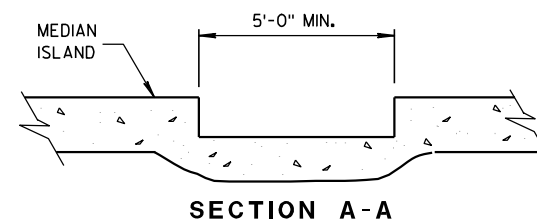
TYPE 8
DETECTABLE WARNINGS
AT RAILROAD CROSSING



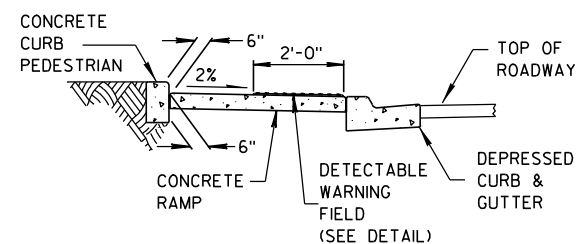
TYPE 6
DETECTABLE WARNING AT ISLANDS



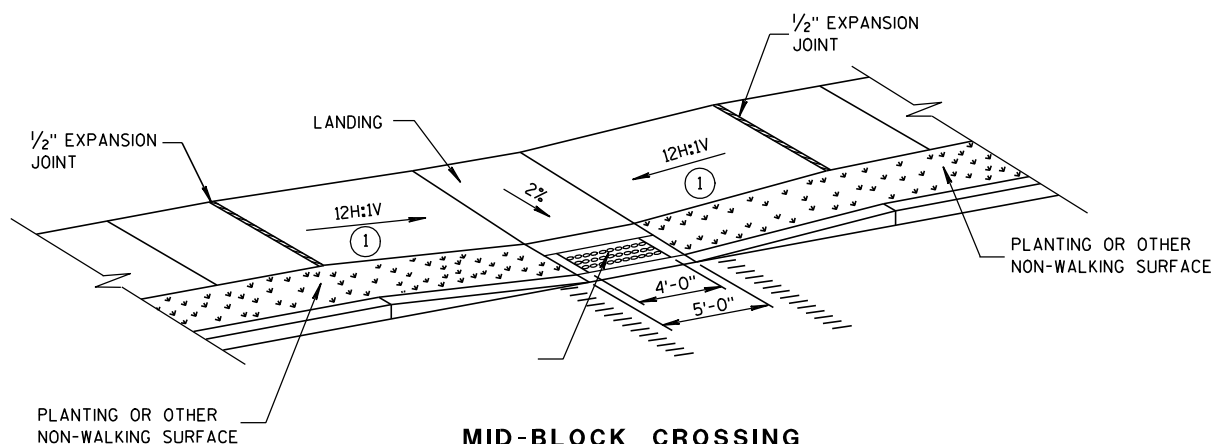
MEDIAN ISLAND
NON-ELEVATED CROSSING
TYPE 5



MID-BLOCK CROSSING
TYPE 7A



SECTION B-B



MID-BLOCK CROSSING
TYPE 7B

NOTE: THESE PARALLEL AND PARALLEL/PERPENDICULAR CURB RAMPS
MAY BE USED AT INTERSECTIONS AND MID BLOCK LOCATIONS.

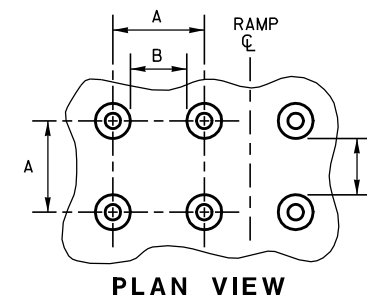
GENERAL NOTES

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

- ① SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.
- ② THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET $\pm$ 0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD CROSSING SHALL BE 15 FEET FROM THE NEAREST RAIL.
- ③ INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS.) DO NOT MARK TRANSITION NOSE.

LEGEND

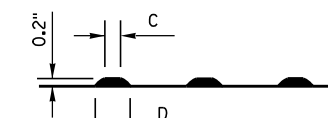
- 1/2" EXPANSION JOINT-SIDEWALK
- - - - CONTRACTION JOINT FIELD LOCATED
- ||||| PAVEMENT MARKING CROSSWALK (WHITE)



PLAN VIEW

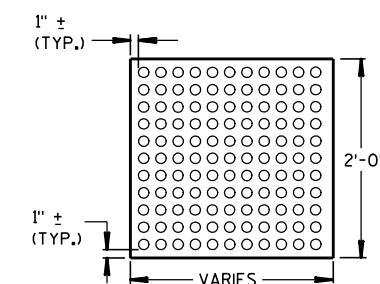
	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.



ELEVATION VIEW

TRUNCATED DOMES DETECTABLE WARNING PATTERN DETAIL



PLAN VIEW

DETECTABLE WARNING FIELD (TYPICAL)

CURB RAMPS
TYPES 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

2-9-10
DATE

FHWA

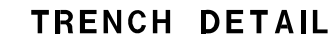
/s/ Jerry H. Zogg

ROADWAY STANDARDS 107 ENT

ENGINEER



- ① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
- ② FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- ③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1½" X 1½" OF OAK OR HICKORY.
- ④ SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
- ⑤ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.

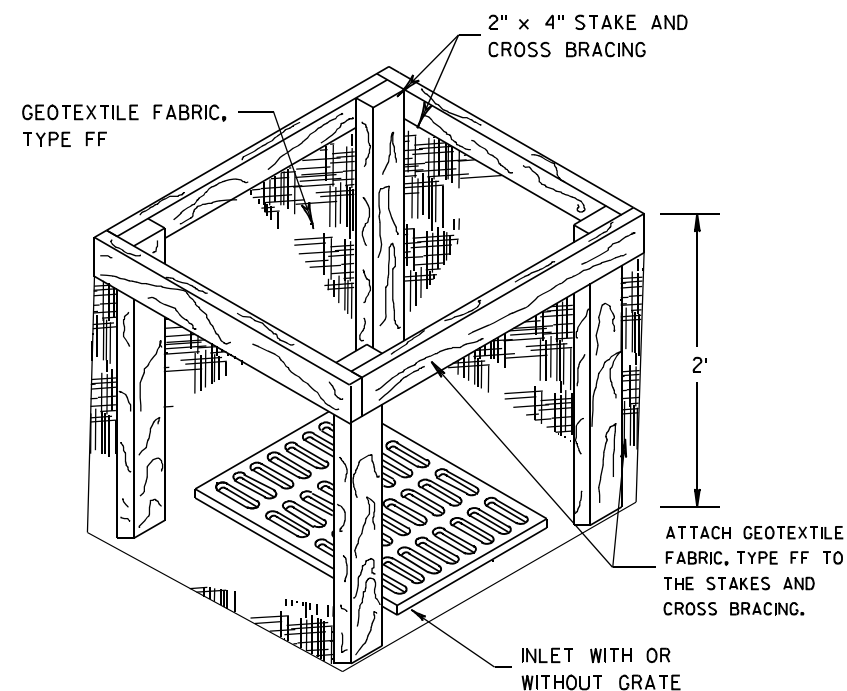
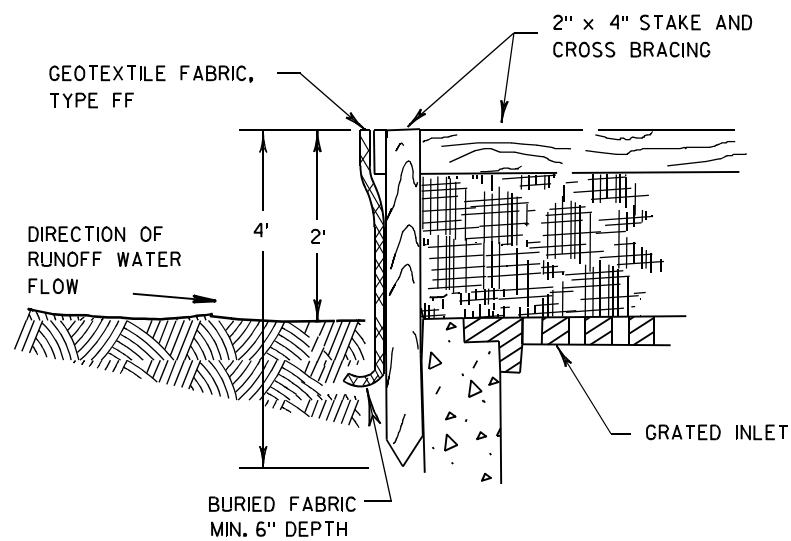


SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4-29-05
DATE _____ /S/ Beth Cannata _____
CHIEF ROADWAY DEVELOPER 108 INCHES

FHWA



INLET PROTECTION, TYPE A

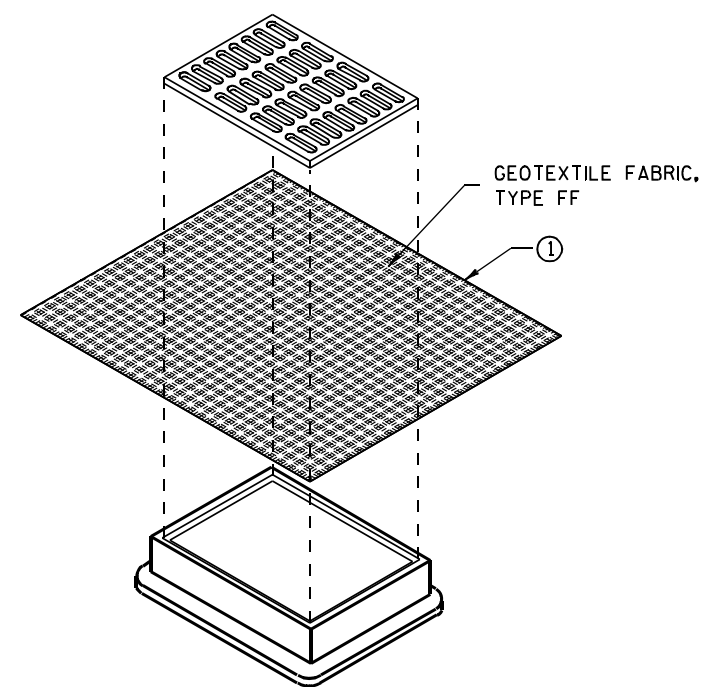
GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

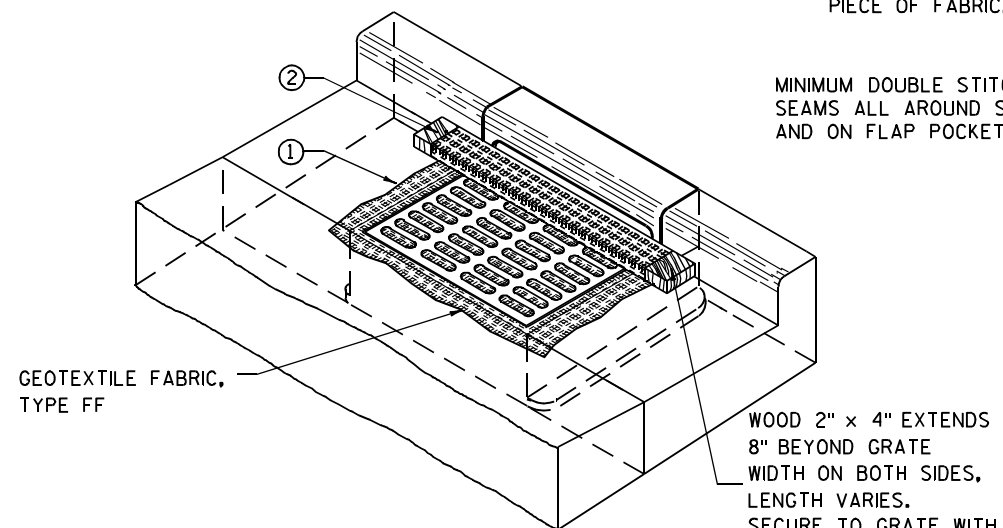
WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

- ① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
- ② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.
- ③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.



**INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)**

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

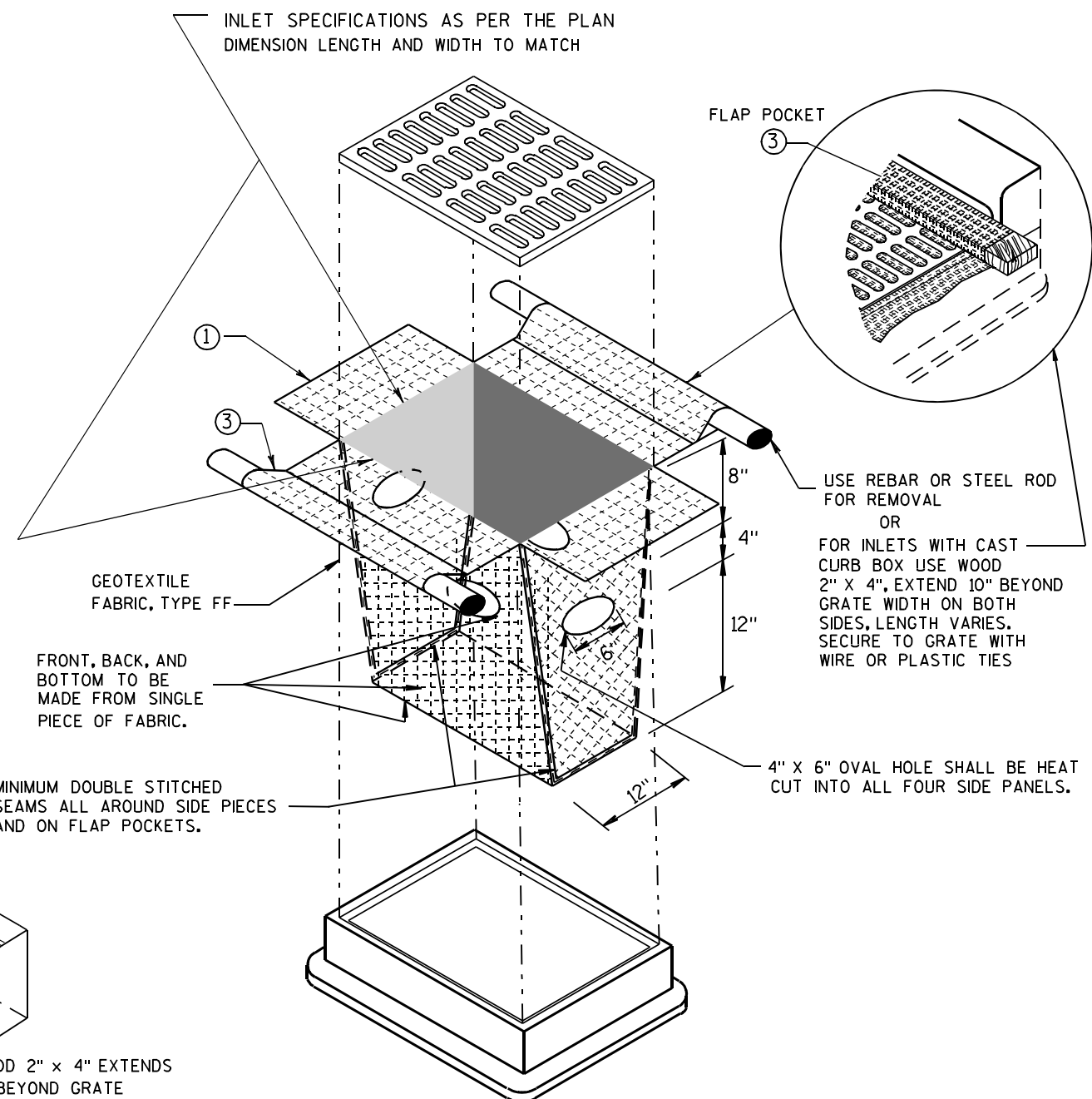
THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.



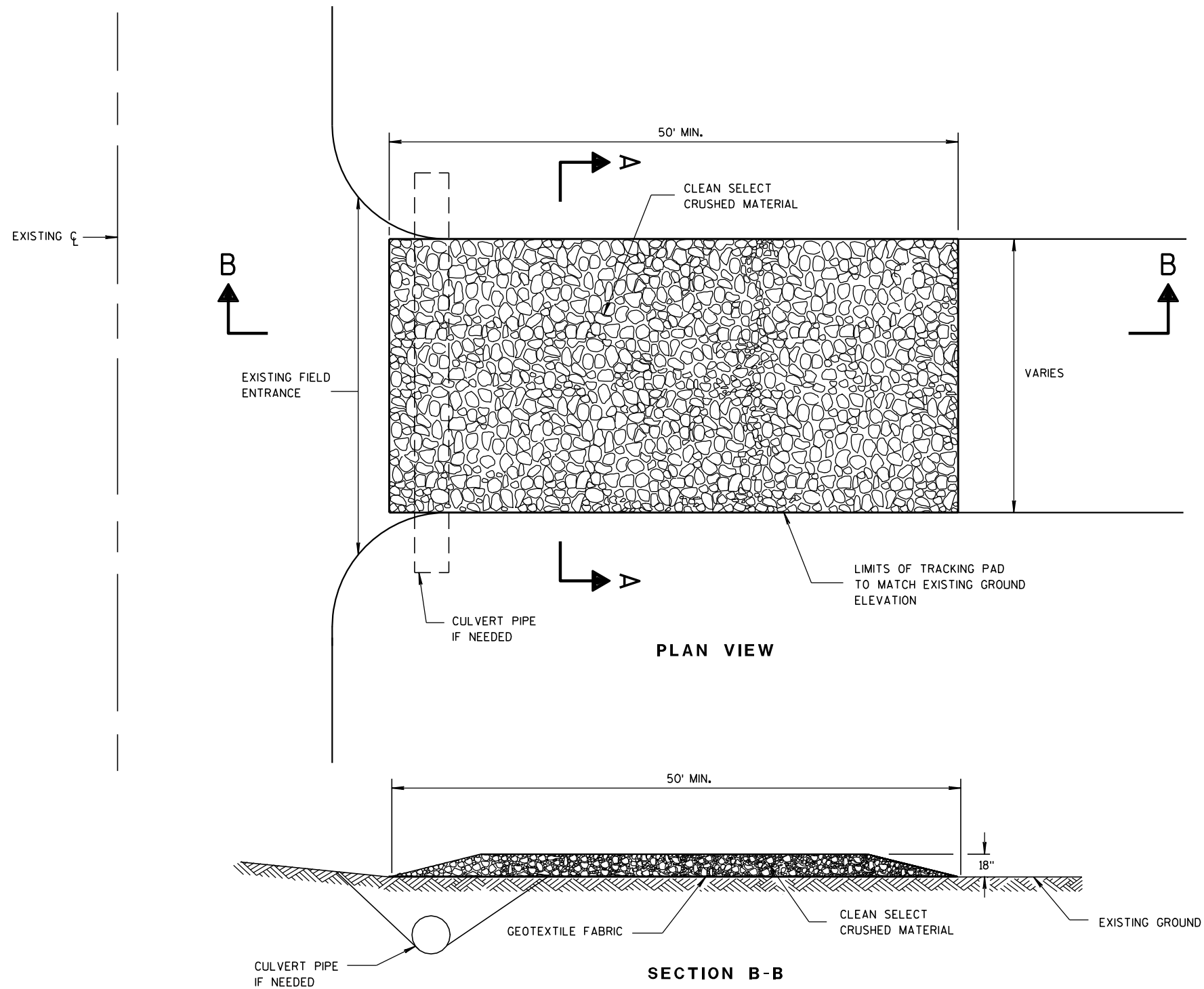
INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH OR WITHOUT A CURB BOX AS PER NOTE ②)

**INLET PROTECTION
TYPE A, B, C, AND D**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/16/02 /S/ Beth Connolly
DATE 109
FHWA CHIEF ROADWAY DEVELOPMENT ENGINEER



TRACKING PAD

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

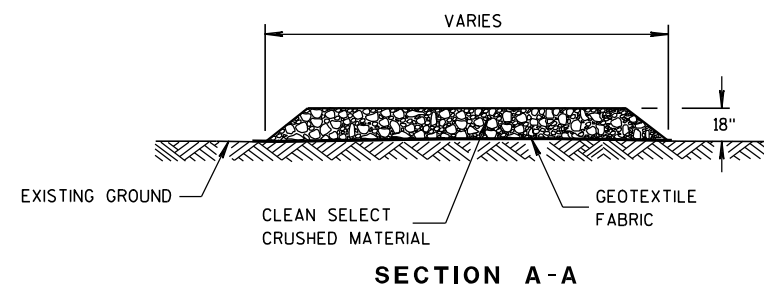
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A-A

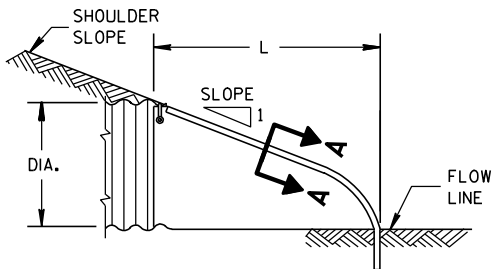
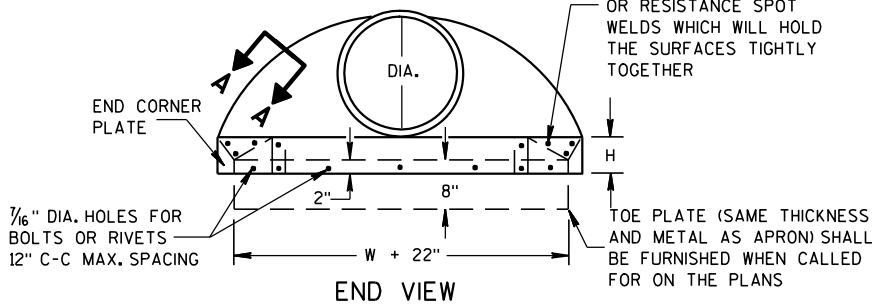
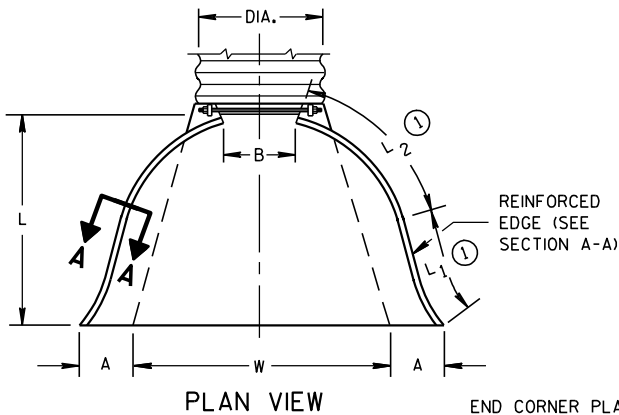
TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/24/2011
DATE
/S/ Jerry H. Zonn
ROADWAY STANDARDS 110 ENT
ENGINEER
FHWA

METAL APRON ENDWALLS											
PIPE DIA. (IN.)	MIN. THICK. (Inches)		DIMENSIONS (Inches)						APPROX. SLOPE	BODY	
	STEEL	ALUM.	A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L ₁ ①	L ₂ ①			W (±2")
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109x	.105x	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109x	.105x	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109x	.105x	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109x	.105x	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109x	.105x	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109x	.105x	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109x	.105x	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

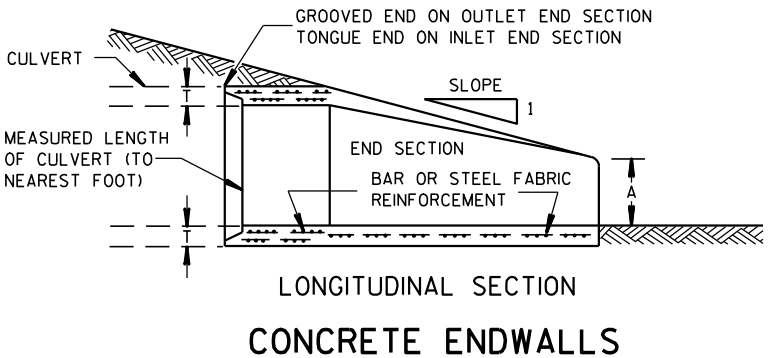
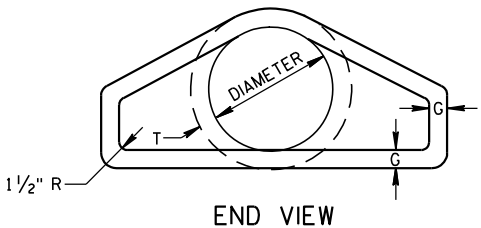
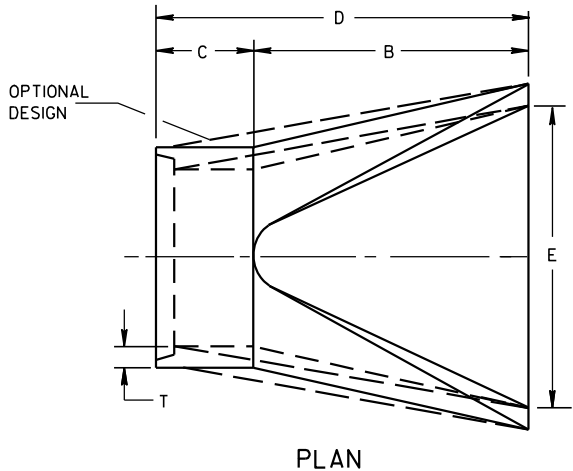
* EXCEPT CENTER PANEL
SEE GENERAL NOTES



SIDE ELEVATION
METAL ENDWALLS

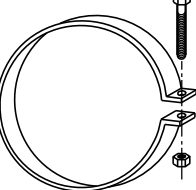
REINFORCED CONCRETE APRON ENDWALLS								
PIPE DIA. (IN.)	DIMENSIONS (Inches)							APPROX. SLOPE
	T	A	B	C	D	E	G	
12	2	4	24	48 ⁷ / ₈	72 ¹ / ₈	24	2	3 to 1
15	2 ¹ / ₄	6	27	46	73	30	2 ¹ / ₄	3 to 1
18	2 ¹ / ₂	9	27	46	73	36	2 ¹ / ₂	3 to 1
21	2 ³ / ₄	9	36	37 ¹ / ₂	73 ¹ / ₂	42	2 ³ / ₄	3 to 1
24	3	9 ¹ / ₂	43 ¹ / ₂	30	73 ¹ / ₂	48	3	3 to 1
27	3 ¹ / ₄	10 ¹ / ₂	49 ¹ / ₂	24	73 ¹ / ₂	54	3 ¹ / ₄	3 to 1
30	3 ¹ / ₂	12	54	19 ³ / ₄	73 ¹ / ₂	60	3 ¹ / ₂	3 to 1
36	4	15	63	34 ³ / ₄	97 ³ / ₄	72	4	3 to 1
42	4 ¹ / ₂	21	63	35	98	78	4 ¹ / ₂	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 ¹ / ₂	27	65	33 ¹ / ₄ -35	98 ¹ / ₄ -100	90	5 ¹ / ₂	2 ¹ / ₂ to 1
60	6	30-35	60	39	99	96	5	2 to 1
66	6 ¹ / ₂	24-30	72-78	21-27	99	102	5 ¹ / ₂	2 to 1
72	7	24-36	78	21	99	108	6	2 to 1
78	7 ¹ / ₂	24-36	78	21	99	114	6 ¹ / ₂	2 to 1
84	8	36	90 ¹ / ₂	21	111 ¹ / ₂	120	6 ¹ / ₂	1 ¹ / ₂ to 1
90	8 ¹ / ₂	41	87 ¹ / ₂	24	111 ¹ / ₂	132	6 ¹ / ₂	1 ¹ / ₂ to 1

*MINIMUM
**MAXIMUM

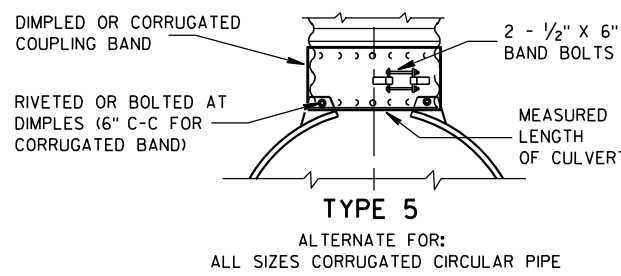
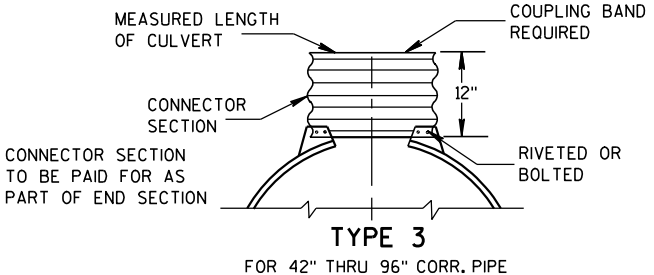
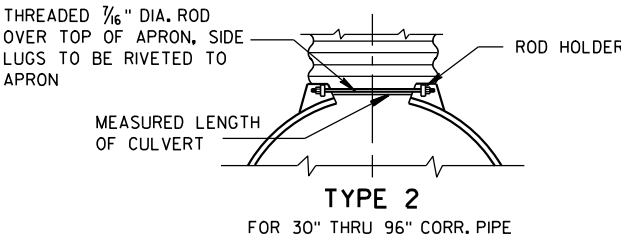
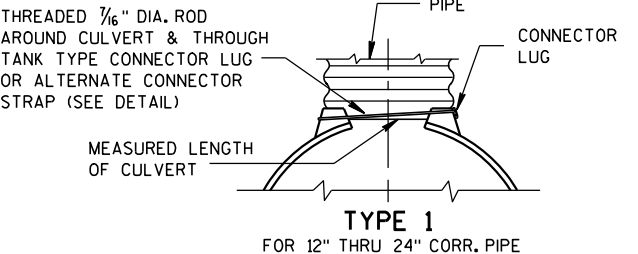


LONGITUDINAL SECTION
CONCRETE ENDWALLS

1" WIDE, 12 GA. (0.109" THICK) GALVANIZED STRAP WITH STANDARD 6" X 1/2" BAND BOLT AND NUT



ALTERNATE FOR TYPE 1 CONNECTION
END SECTION CONNECTOR STRAP



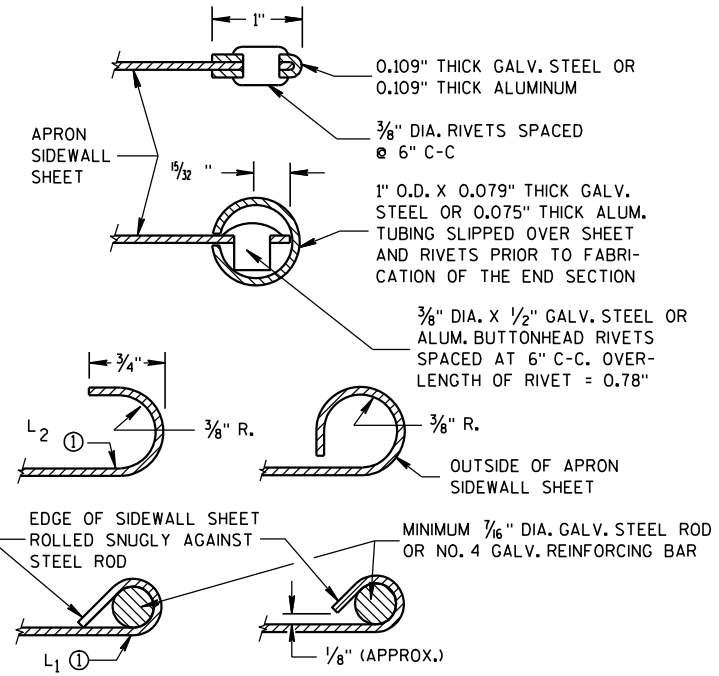
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL, AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

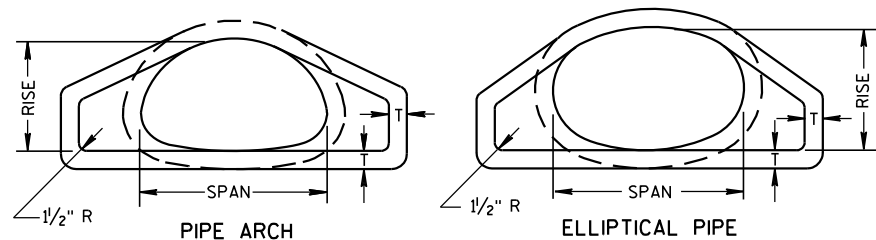
ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

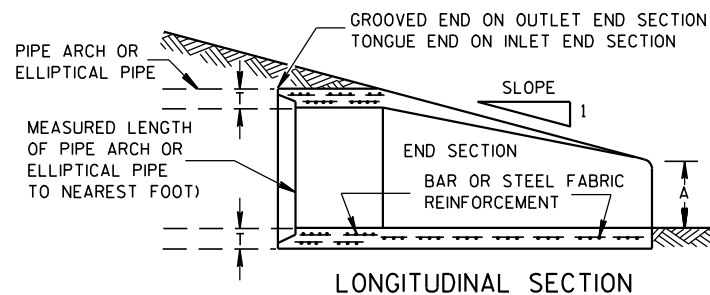
WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
APPROVED 11/30/94 DATE	/S/ Rory L. Rhinehart CHIEF ROADWAY DEVELOP	111	NEER
FHWA			

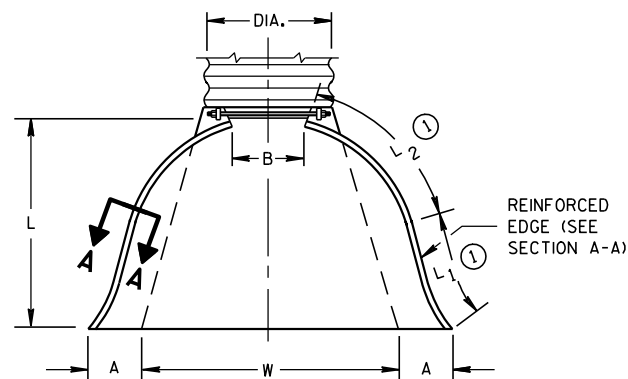


END VIEW

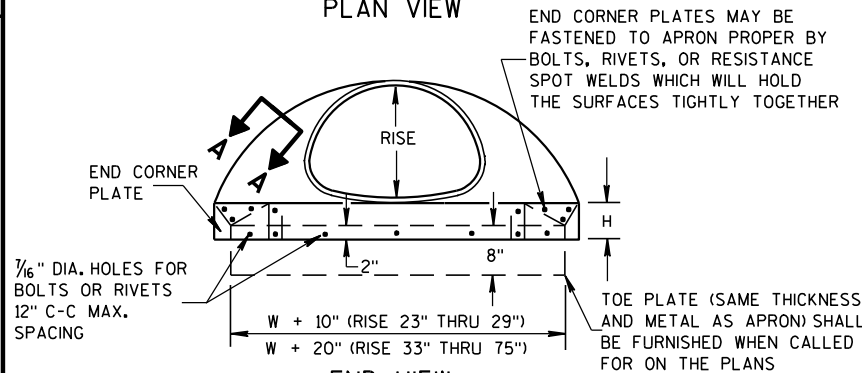


LONGITUDINAL SECTION

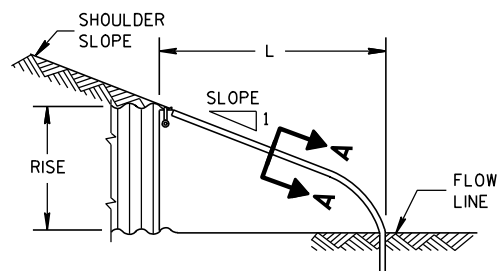
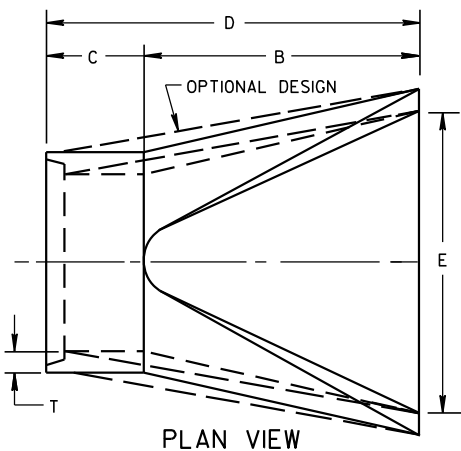
CONCRETE ENDWALLS



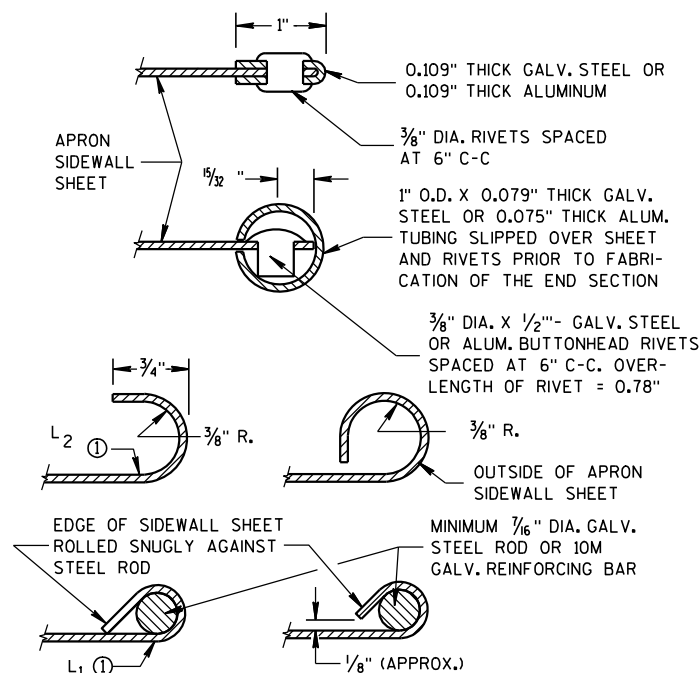
PLAN VIEW



END VIEW

SIDE ELEVATION
METAL ENDWALLS

PLAN VIEW



SECTION A-A

EQUIV. DIA. (Inches)	(Inches)		MIN. THICK. (Inches)		DIMENSIONS (Inches)							APPROX. SLOPE	BODY
	SPAN	RISE	STEEL	ALUM.	A	B	H	L	L ₁	L ₂	W		
					(±1")	(MAX.)	(±1")	(±1 1/2")	①	①	(±2")		
15	17	13	.064	.060	7	9	6	19	14	16	30	2 1/2 to 1	1 Pc.
18	21	15	.064	.060	7	10	6	23	14	19 3/8	36	2 1/2 to 1	1 Pc.
21	24	18	.064	.060	8	12	6	28	18	21 3/4	42	2 1/2 to 1	1 Pc.
24	28	20	.064	.060	9	14	6	32	18	27 1/2	48	2 1/2 to 1	1 Pc.
30	35	24	.079	.075	10	16	6	39	18	37 5/8	60	2 1/2 to 1	1 Pc.
36	42	29	.079	.075	12	18	8	46	24	45 3/8	75	2 1/2 to 1	1 Pc.
42	49	33	.109	.105	13	21	9	53	24	54 3/4	85	2 1/2 to 1	2 Pc.
48	57	38	.109	.105	18	26	12	63	24	68	90	2 1/2 to 1	3 Pc.
54	64	43	.109	.105	18	30	12	70	24	72 3/4	102	2 1/4 to 1	3 Pc.
60	71	47	.109*	.105*	18	33	12	77	30	82 1/4	114	2 1/4 to 1	3 Pc.
66	77	52	.109*	.105*	18	36	12	77	—	—	126	2 to 1	3 Pc.
72	83	57	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.

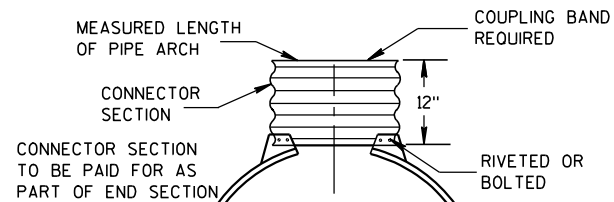
3" X 1" CORRUGATIONS													
EQUIV. DIA. (Inches)	(Inches)		MIN. THICK. (Inches)		DIMENSIONS (Inches)							APPROX. SLOPE	BODY
					A	B	H	L	L ₁	L ₂	W		
	SPAN	RISE	STEEL	ALUM.	(±1")	(MAX.)	(±1")	(±1/2")	①	①	(±2")		
48	53	41	.109	.105	18	26	12	63	24	72¾	90	2½ to 1	2 Pc.
54	60	46	.109	.105	18	30	12	70	30	82¼	102	2 to 1	2 Pc.
60	66	51	.109*	.105*	18	33	12	77	—	—	114	1½ to 1	3 Pc.
66	73	55	.109*	.105*	18	36	12	77	—	—	126	1½ to 1	3 Pc.
72	81	59	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.
78	87	63	.109*	.105*	22	38	12	77	—	—	148	1½ to 1	3 Pc.
84	95	67	.109*	.105*	22	34	12	77	—	—	162	1½ to 1	3 Pc.
90	103	71	.109*	.105*	22	38	12	77	—	—	174	1½ to 1	3 Pc.
96	112	75	.109*	.105*	24	40	12	77	—	—	174	1½ to 1	3 Pc.

NOTE: ALL SPLICES TO BE LAP RIVETED OR BOLTED.

* EXCEPT CENTER PANEL
SEE GENERAL NOTES

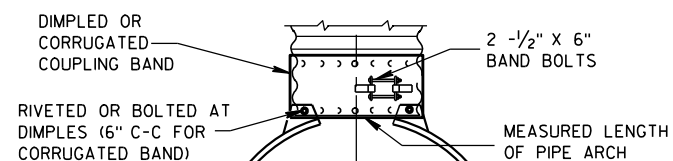
TYPE 2

FOR 17" X 13" THRU 112" X 75" PIPE ARCH



TYPE 3

FOR 64" X 43" THRU 112" X 75" PIPE ARCH



TYPE 5

ALTERNATE FOR:
ALL SIZES CORRUGATED PIPE ARCHESNOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL,
AND CORRUGATED BAND FITS INSIDE ENDWALL.

CONNECTION DETAILS

REINFORCED CONCRETE PIPE ARCH

EQUIV. DIA. (Inches)	DIMENSIONS (Inches)								APPROX. SLOPE
	** SPAN	** RISE	T	A	B	C	D	E	
24	29	18	3	8 1/2	39	33	72	48	3 to 1
30	36	22	3 1/2	9 1/2	50	46	96	60	3 to 1
36	44	27	4	11 1/8	60	36	96	72	3 to 1
42	51	31	4 1/2	15 1/8	60	36	96	78	3 to 1
48	58	36	5	21	60	36	96	84	3 to 1
54	65	40	5 1/2	25 1/2	60	36	96	90	3 to 1
60	73	45	6	31	60	36	96	96	3 to 1
72	88	54	7	31	60	39	99	120	2 to 1
84	102	62	8	28 1/2	83	19	102	144	2 to 1

REINFORCED CONCRETE ELLIPTICAL PIPE

EQUIV. DIA. (Inches)	DIMENSIONS (Inches)								APPROX. SLOPE
	** SPAN	** RISE	T	A	B	C	D	E	
24	30	19	3 1/4	8 1/2	39	33	72	48	3 to 1
30	38	24	3 3/4	9 1/2	54	18	72	60	3 to 1
36	45	29	4 1/2	11 1/8	60	24	84	72	2 1/2 to 1
42	53	34	5	15 1/4	60	36	96	78	2 1/2 to 1
48	60	38	5 1/2	21	60	36	96	84	2 1/2 to 1
54	68	43	6	25 1/2	60	36	96	90	2 1/2 to 1
60	76	48	6 1/2	30	60	36	96	96	2 1/2 to 1

**NOMINAL SIZE

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

CONCRETE APRON ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM APRON ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE ARCH PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 77" X 52" THROUGH 112" X 75" APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

① FOR PIPE ARCH SIZES UP TO 73" X 55" A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR
PIPE ARCH AND
ELLIPTICAL PIPESTATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

11/30/94

DATE

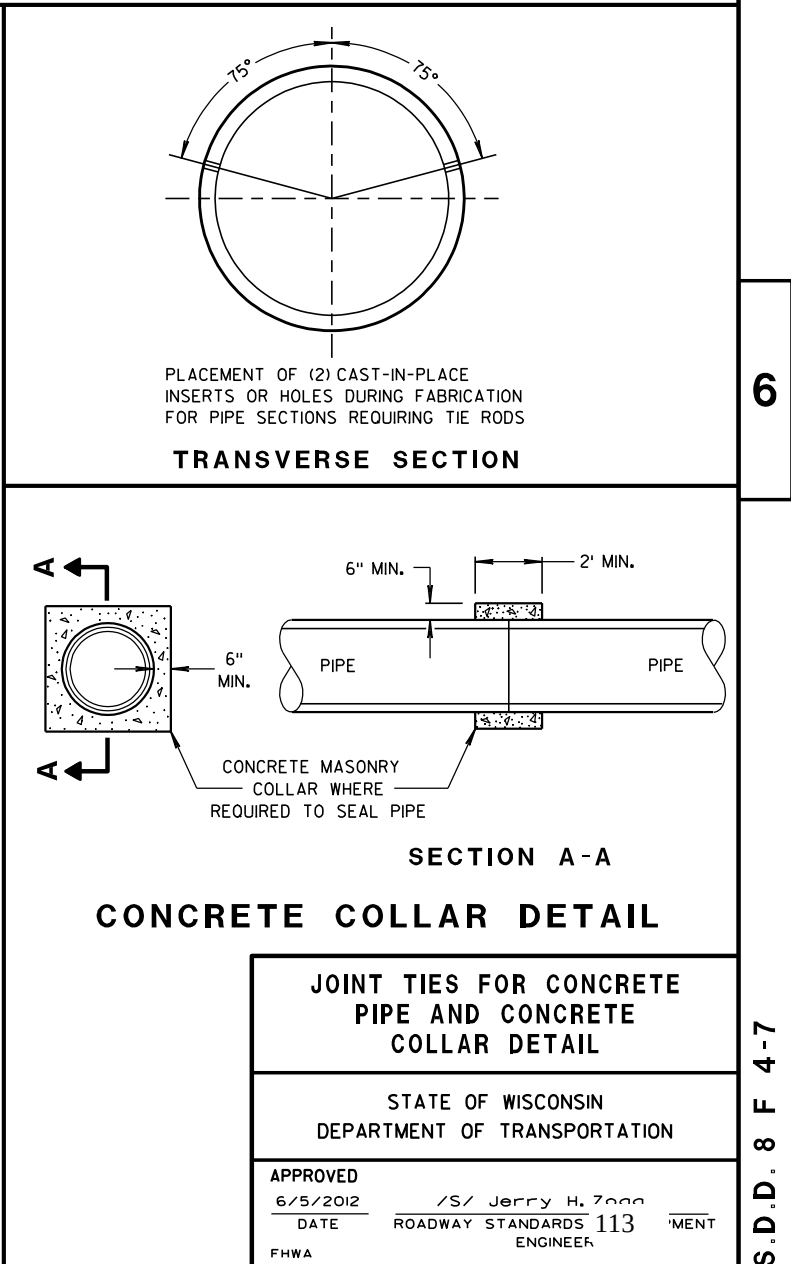
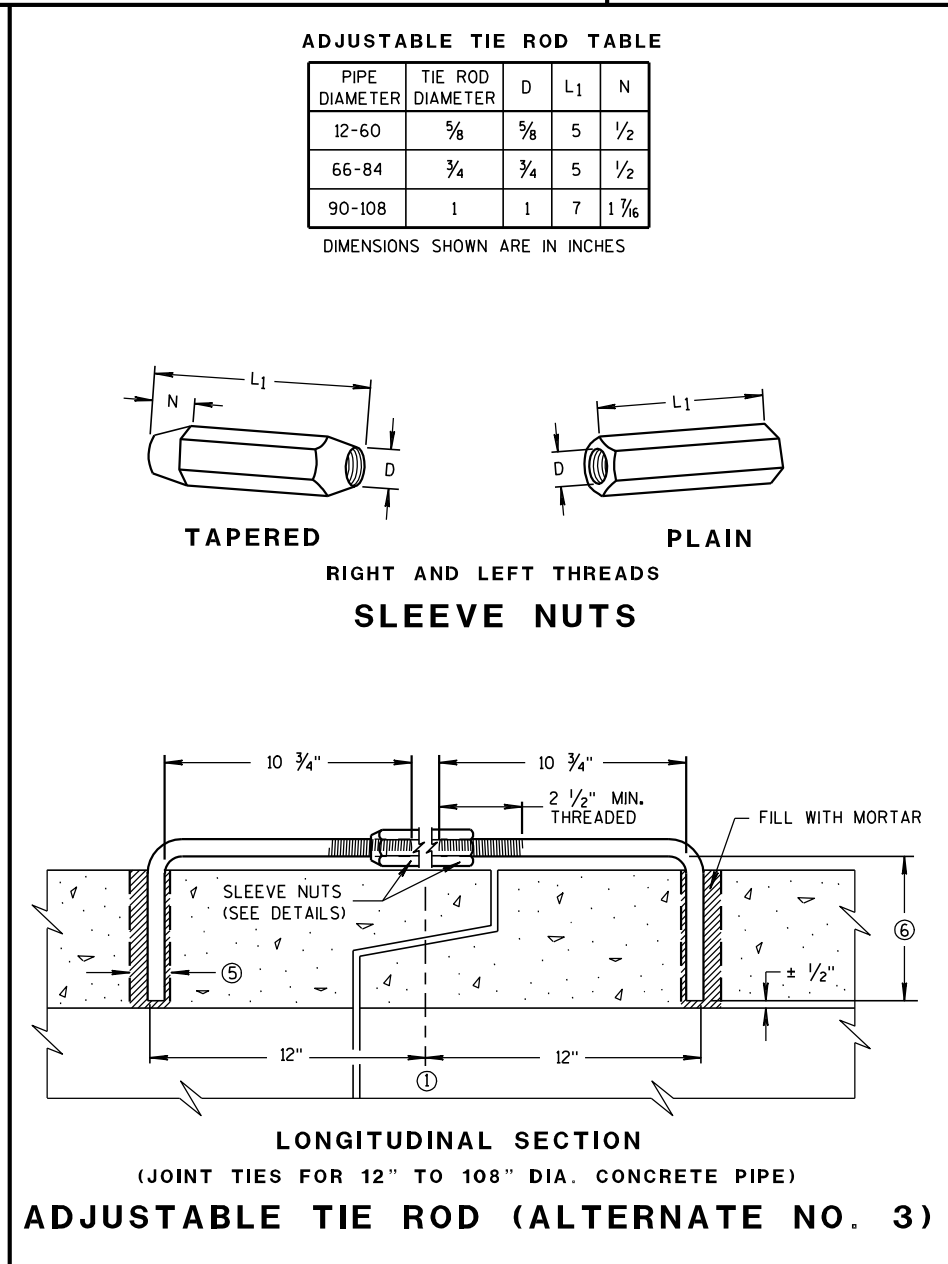
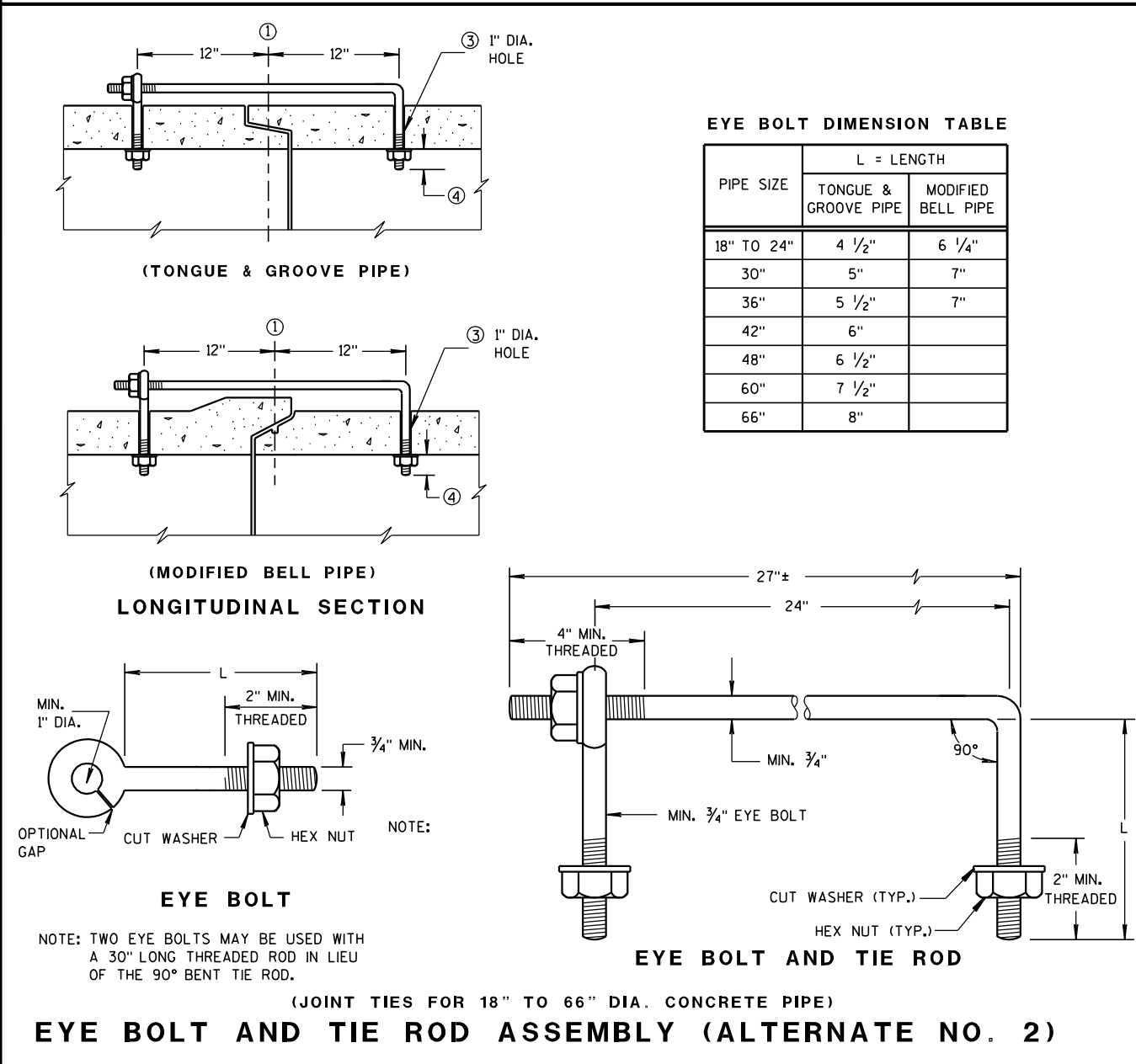
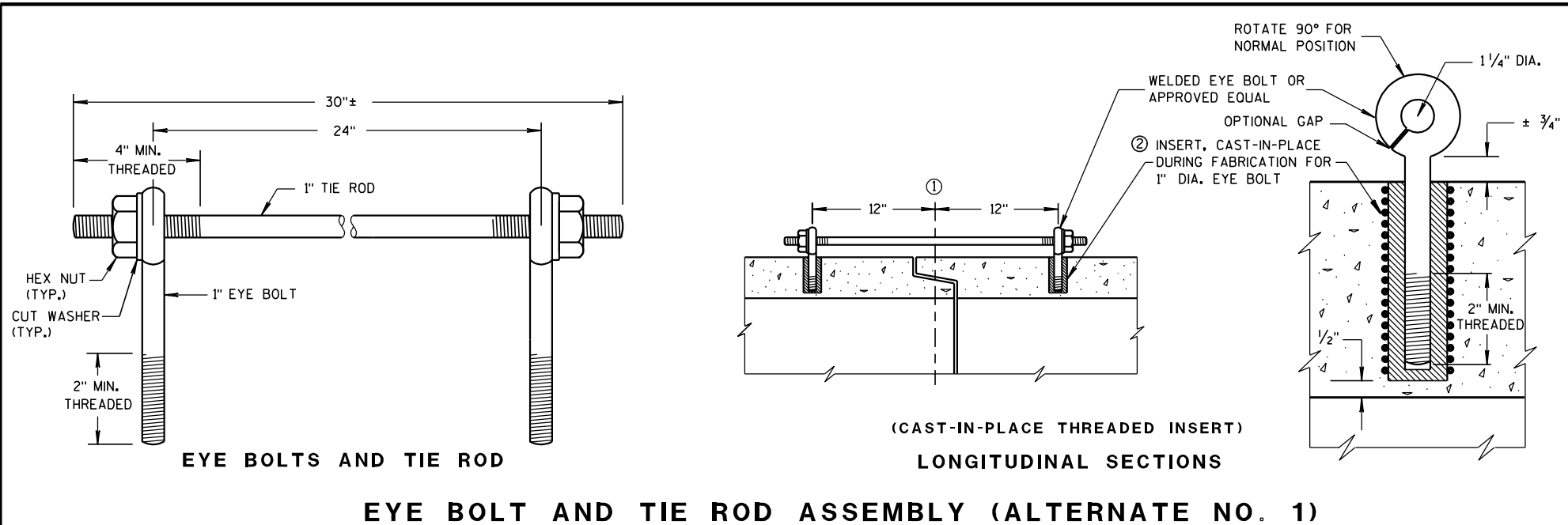
FHWA

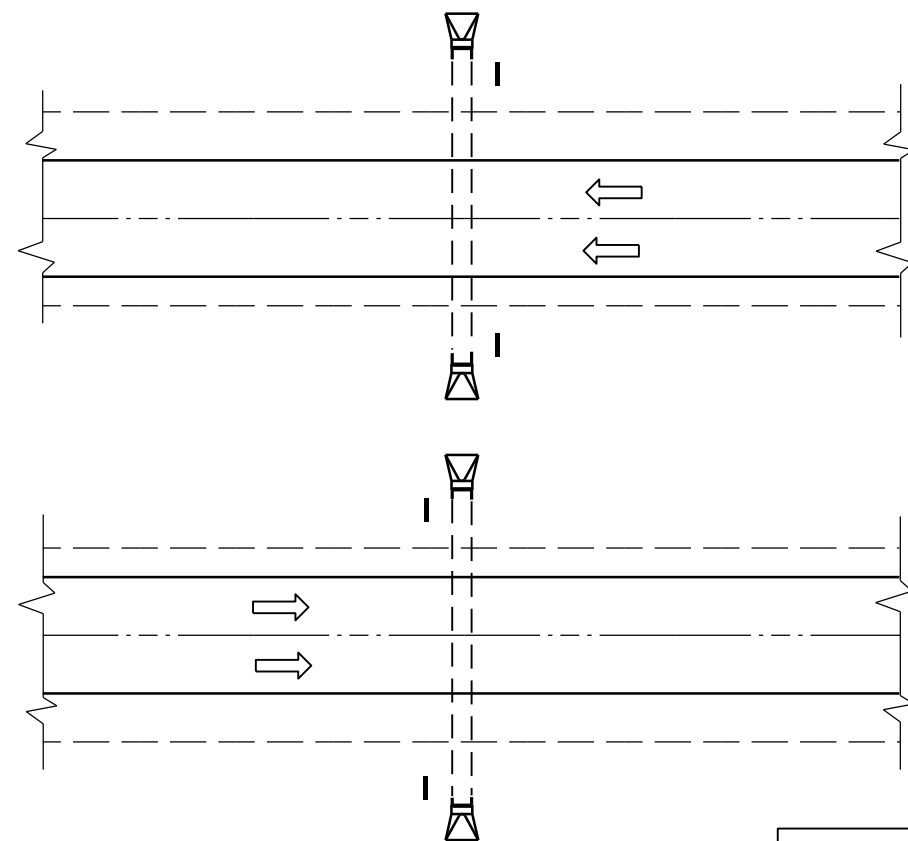
/S/ Rory L. Rhinehart

CHIEF ROADWAY DEVELOPER

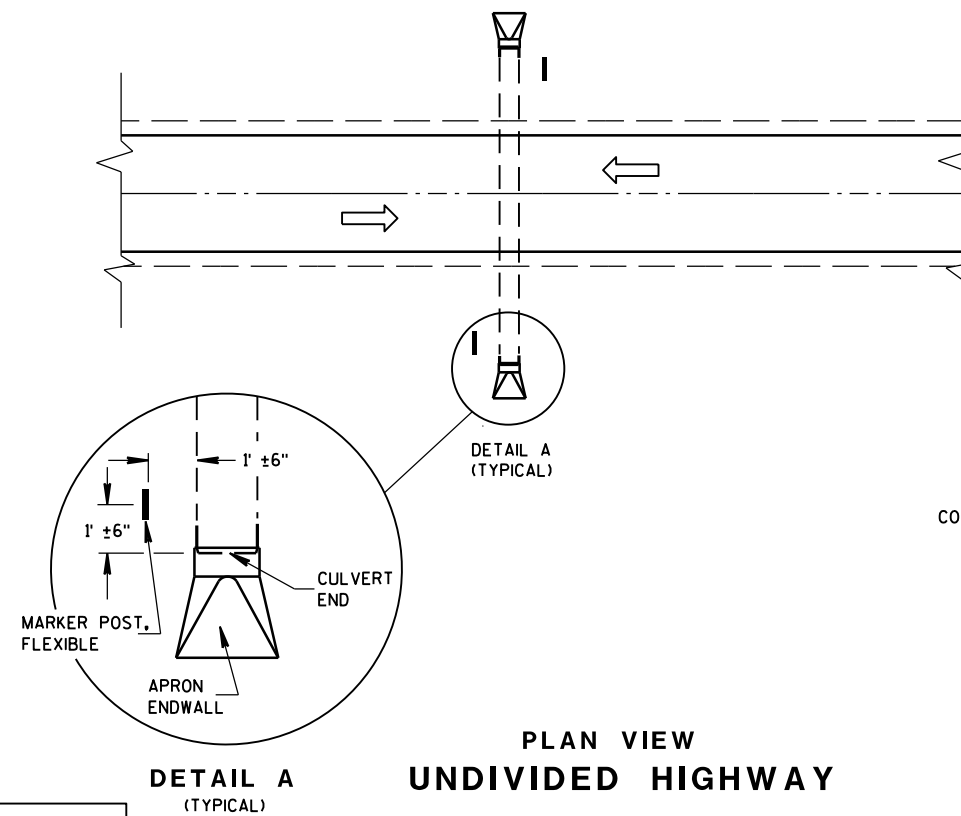
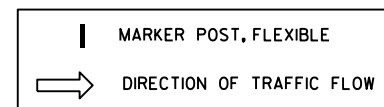
112

ENGINEER





PLAN VIEW
DIVIDED HIGHWAY

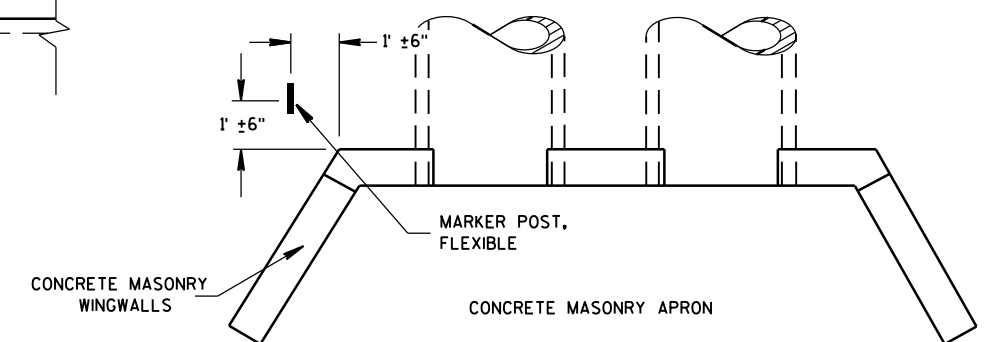


PLAN VIEW
UNDIVIDED HIGHWAY

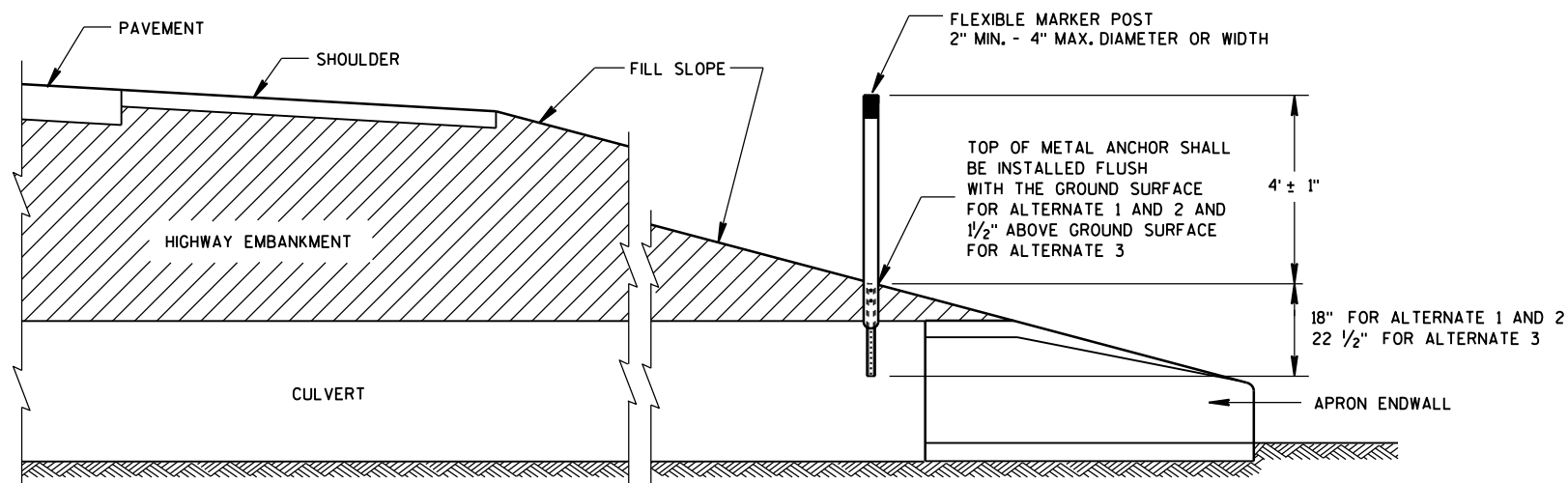
FLEXIBLE MARKER POST LOCATION

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



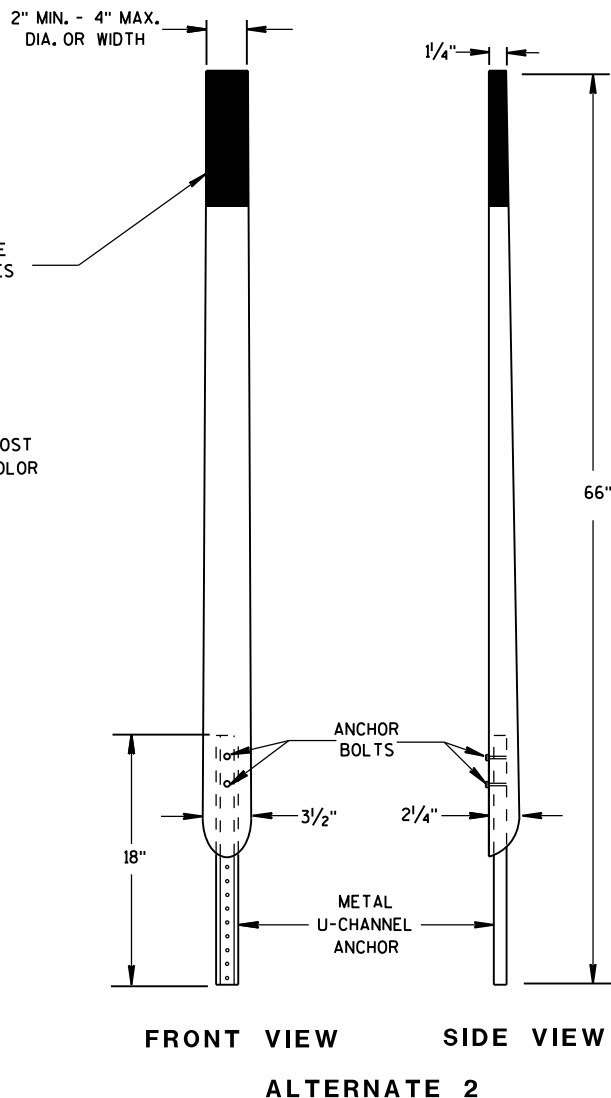
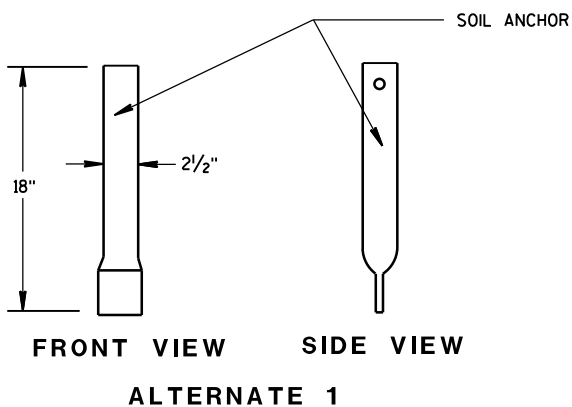
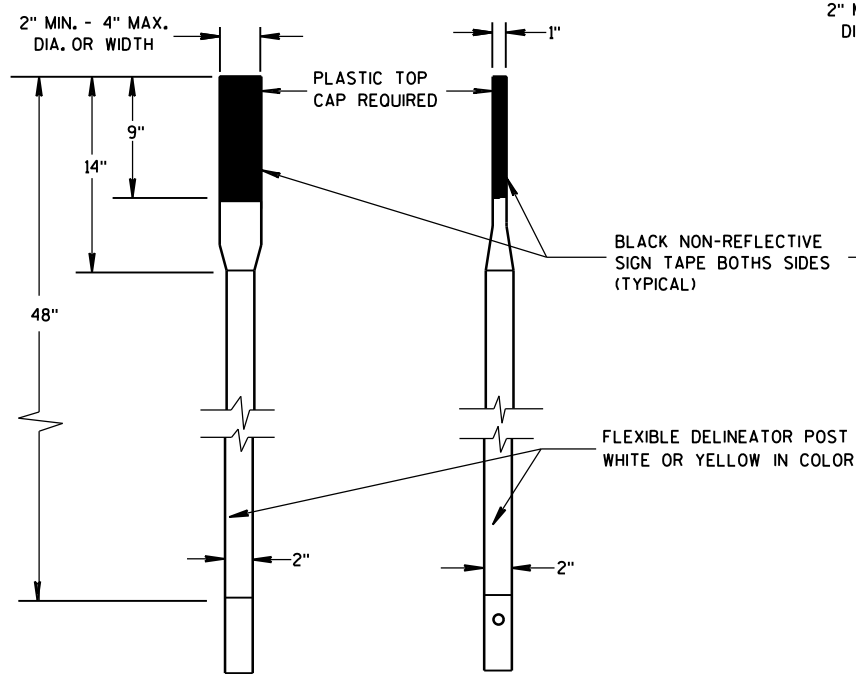
PLAN VIEW
CONCRETE MASONRY ENDWALLS FOR
CULVERT PIPE AND PIPE ARCH



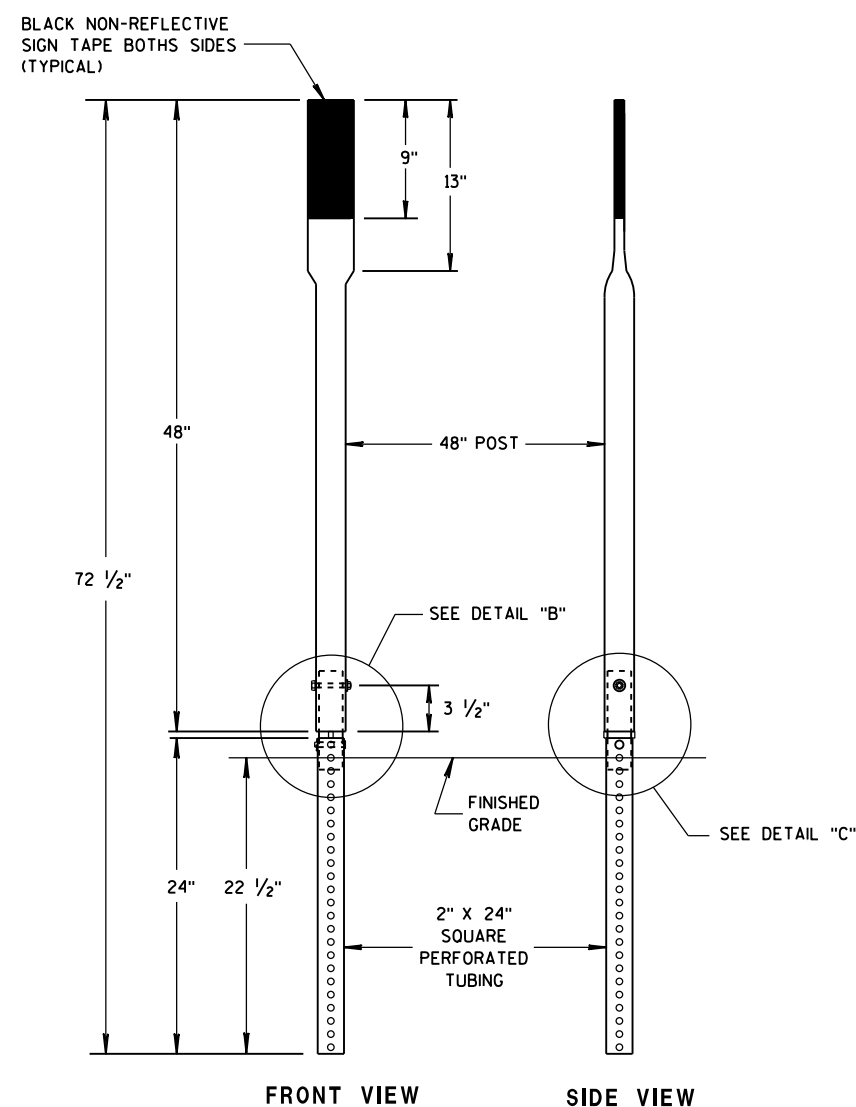
CROSS SECTION
FLEXIBLE MARKER POST

FLEXIBLE MARKER POST
FOR CULVERT END

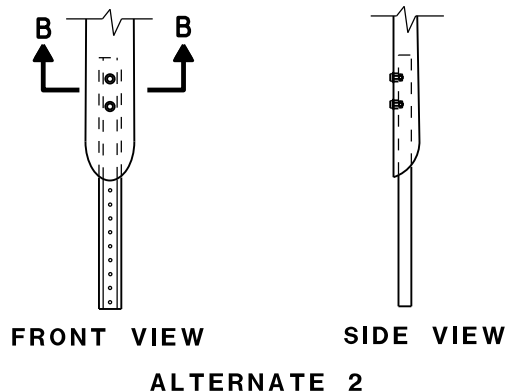
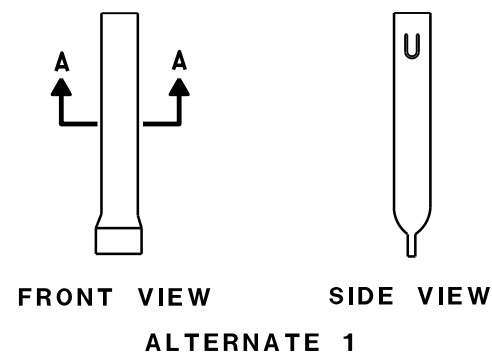
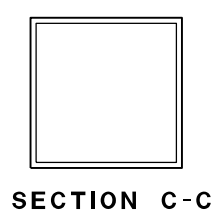
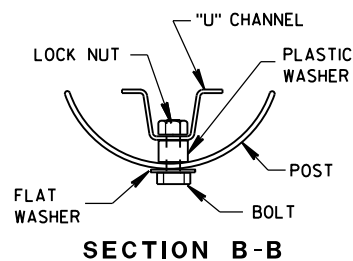
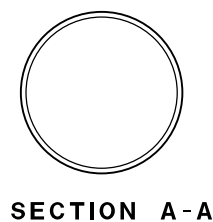
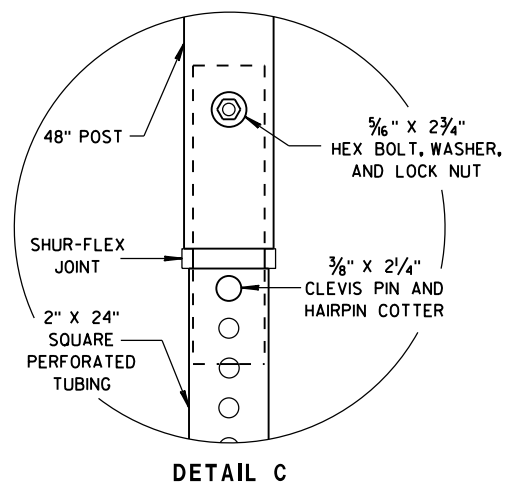
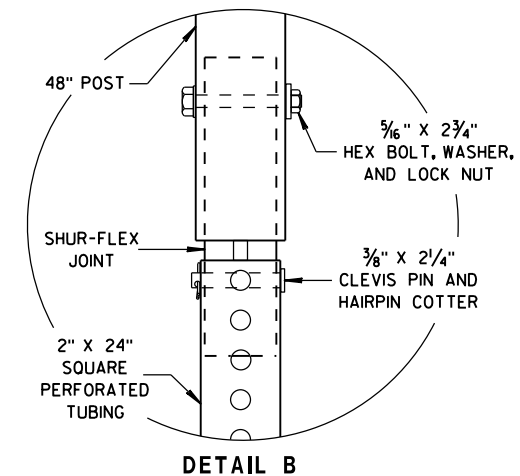
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION 114



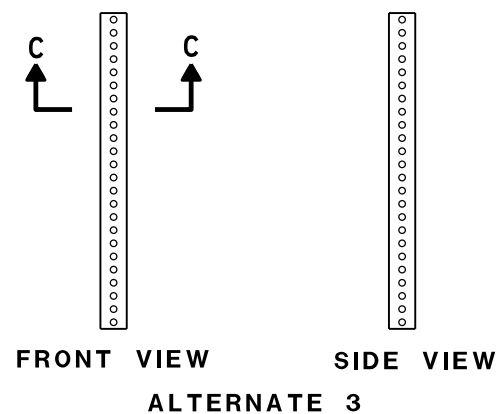
FLEXIBLE MARKER POSTS



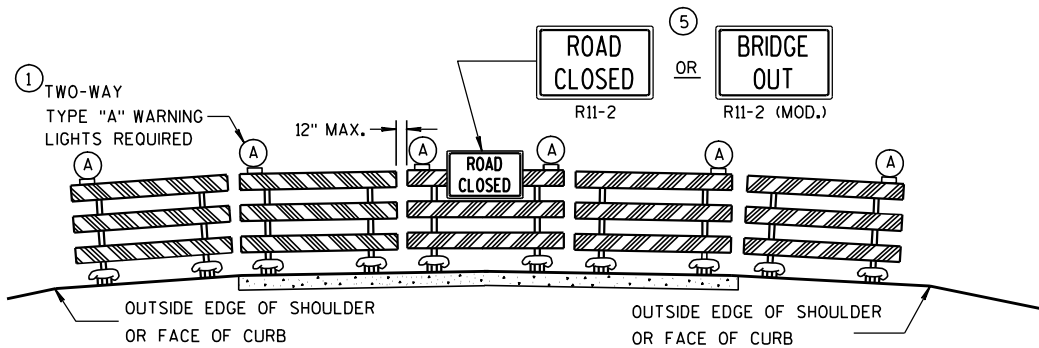
ALTERNATE 3



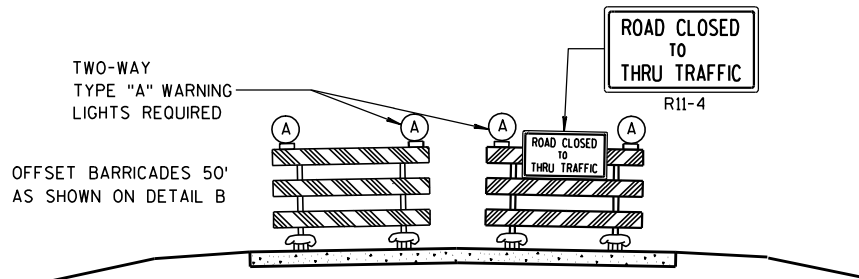
FLEXIBLE MARKER POST ANCHORS



FLEXIBLE MARKER POST FOR CULVERT END	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 10/1/2012 DATE	/S/ Travis Feltes STATE TRAFFIC ENGINEER 115 IGN
FHWA	



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2-4a FOR LEGEND

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, M4-9, R11-4 AND R10-61 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

THE REFLECTIVE SHEETING USED ON R11-2, R11-3, R11-4, R10-61 AND R1-1 SIGNS SHALL COMPLY WITH SUBSECTION 637.2.2.2 OF THE STANDARD SPECIFICATIONS.

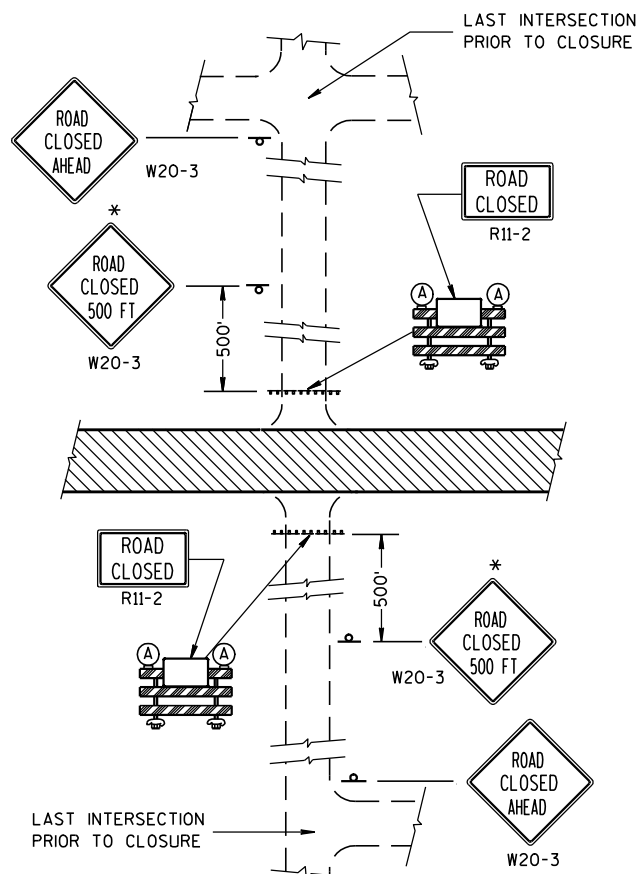
"WO AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:

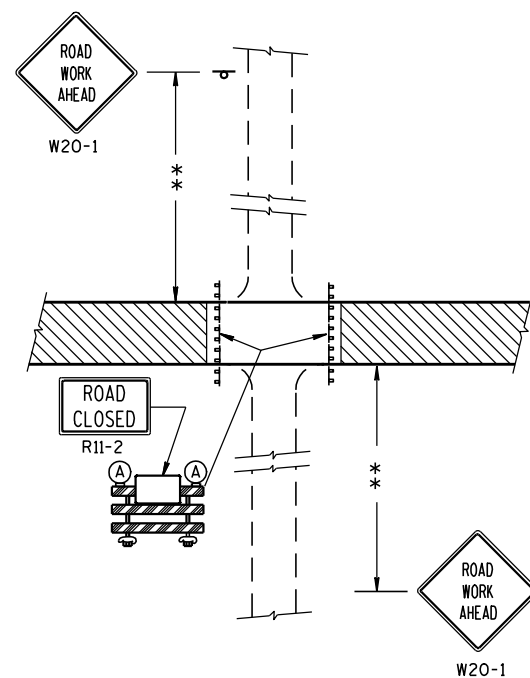
- R11-2 SHALL BE 48" X 30".
- R11-3, R11-4 AND R10-61 SHALL BE 60" X 30".
- M4-9 SHALL BE 30" X 24".
- M3-X AND M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- M05-1 AND M06-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1-1 SHALL BE 36" X 36".

- 1 TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8-FOOT LIGHT SPACING).
- 2 THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.
- 3 FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D.
- 4 FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL E.
- 5 FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11-2 AND R11-3 SIGNS.
- 6 INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.
- 7 "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

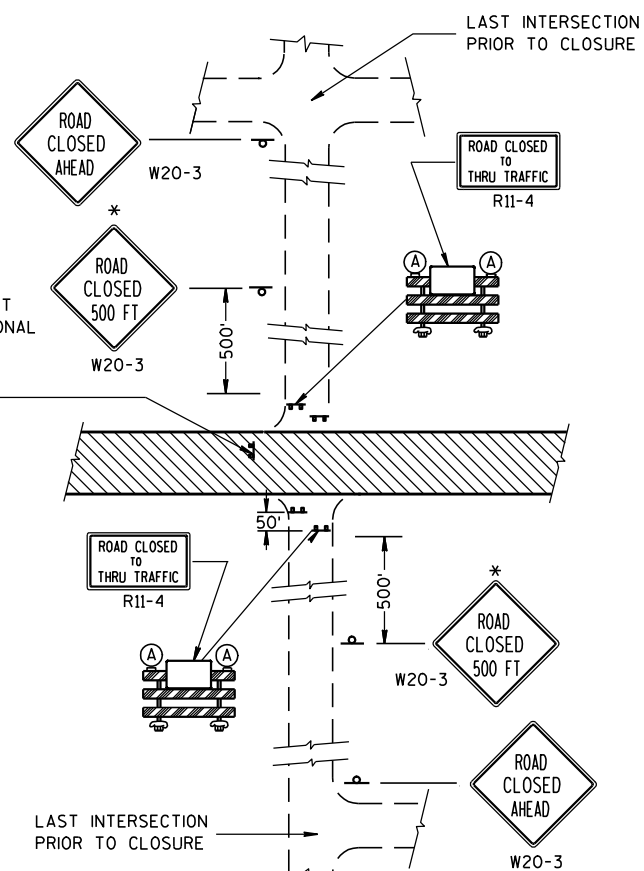
BARRICADES AND SIGNS FOR MAINLINE CLOSURES		
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION		
APPROVED		
9/16/03 DATE	/S/ Thomas N. N CHIEF SIGNS AND MAR 117	INEER
FHWA		



DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT).



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED. CONTRACTOR,
LOCAL BUSINESS AND RESIDENT ACCESS).

DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3 AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

THE REFLECTIVE SHEETING USED ON R11-2, R11-3 AND R11-4 SIGNS SHALL COMPLY WITH SUBSECTION 637.2.2.2 OF THE STANDARD SPECIFICATIONS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:

R11-2 SHALL BE 48" X 30".

R11-4 AND R11-3 SHALL BE 60" X 30".

*OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FT. OR LESS FROM THE WORK ZONE.

**500' MAX. OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

LEGEND

⌋ POST MOUNTED WARNING SIGN

⌋ TYPE III BARRICADES

Ⓐ TYPE "A" LOW INTENSITY FLASHING WARNING LIGHT (FOR NIGHT USE)

▨ WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

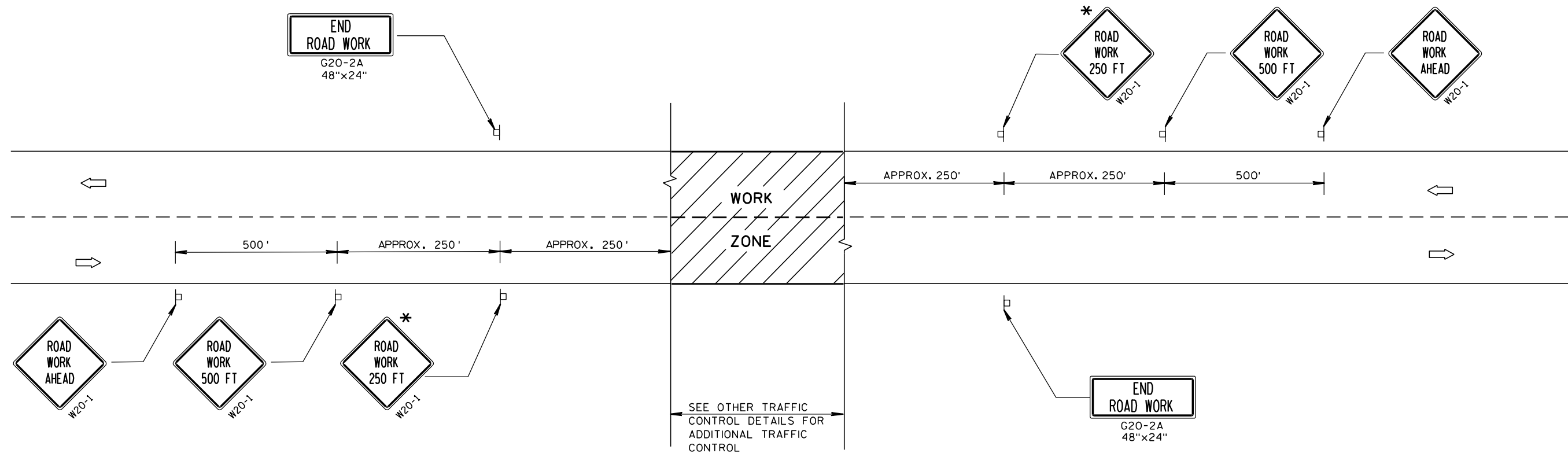
APPROVED

9-16-03

DATE

FWHA

/S/ Thomas N. N...
CHIEF SIGNS AND MAR 119 INEER



TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

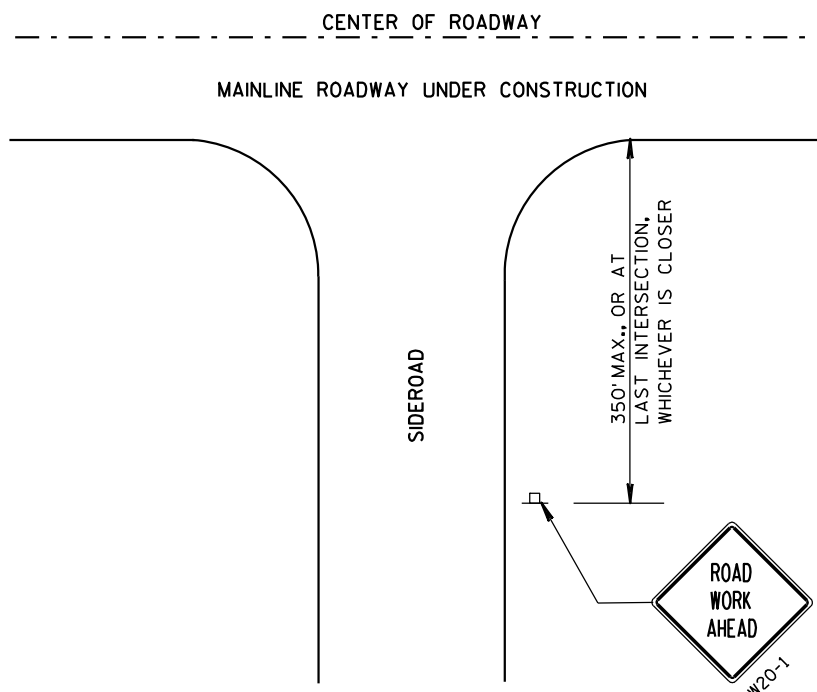
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"x36" SIGNS MAY BE USED INSTEAD OF 48"x48" SIGNS, IF APPROVED BY DISTRICT TRAFFIC UNIT.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

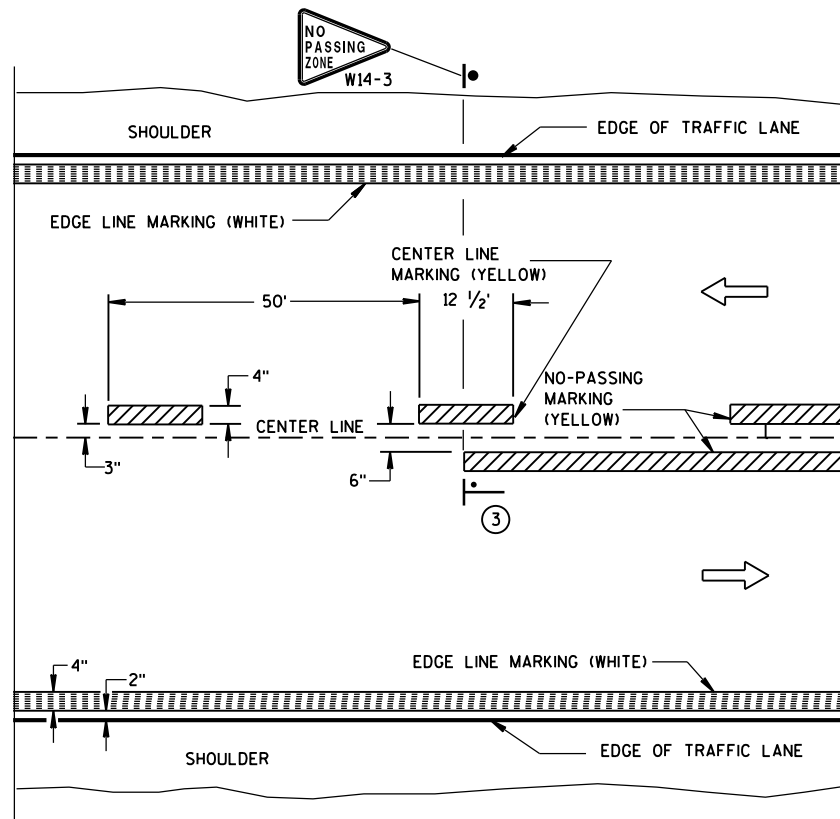
* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FT" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



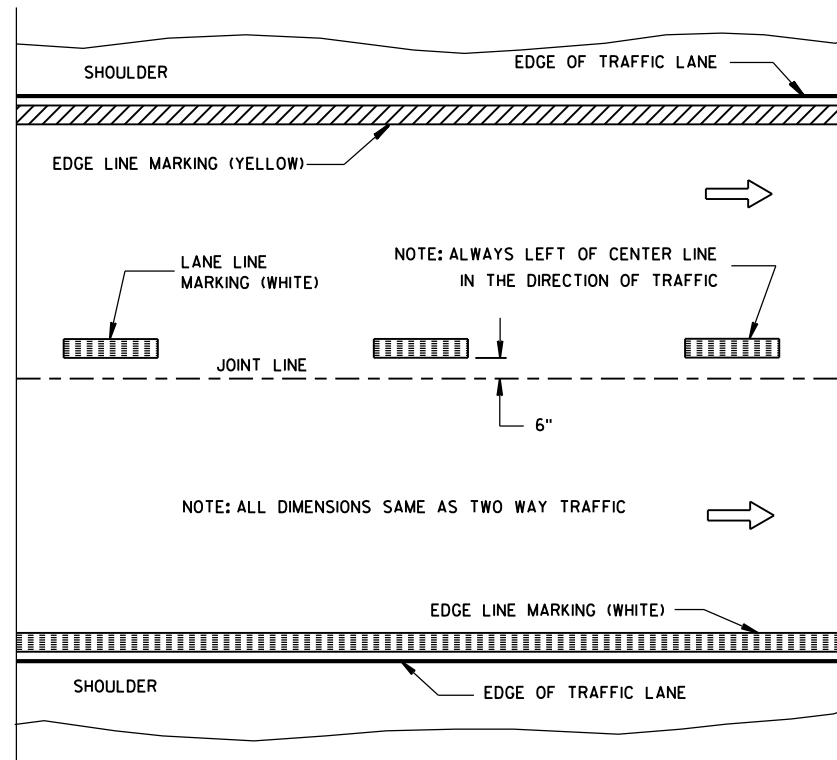
LEGEND

- POST MOUNTED SIGN
- ➡ DIRECTION OF TRAFFIC FLOW

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 5/23/00 DATE	/S/ Chester J. 120 CHIEF SIGNS AND MARKING ENGINEER
FHWA	

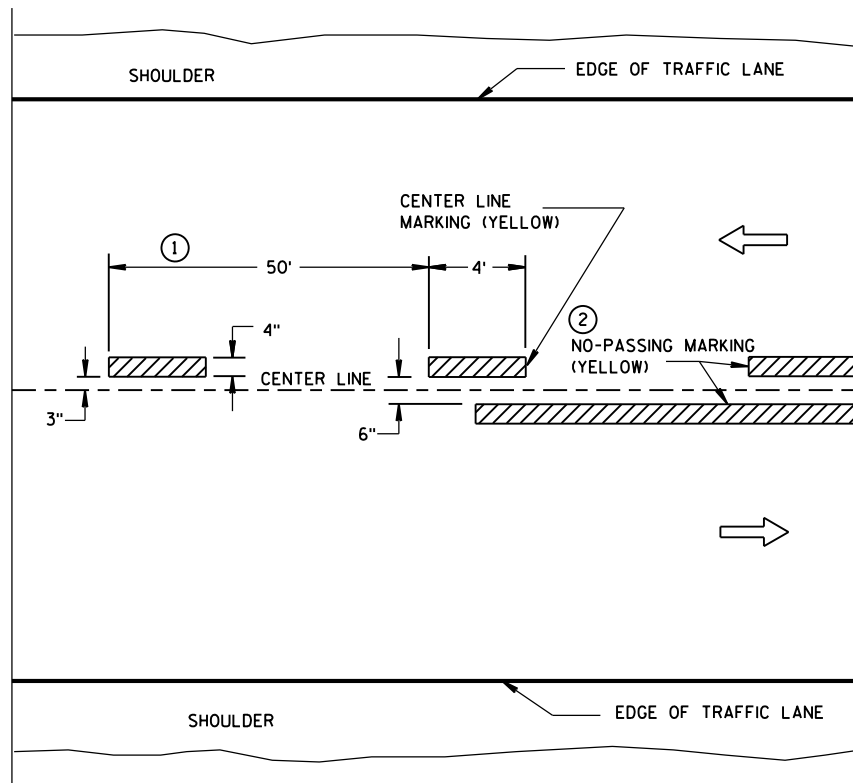


TWO WAY TRAFFIC

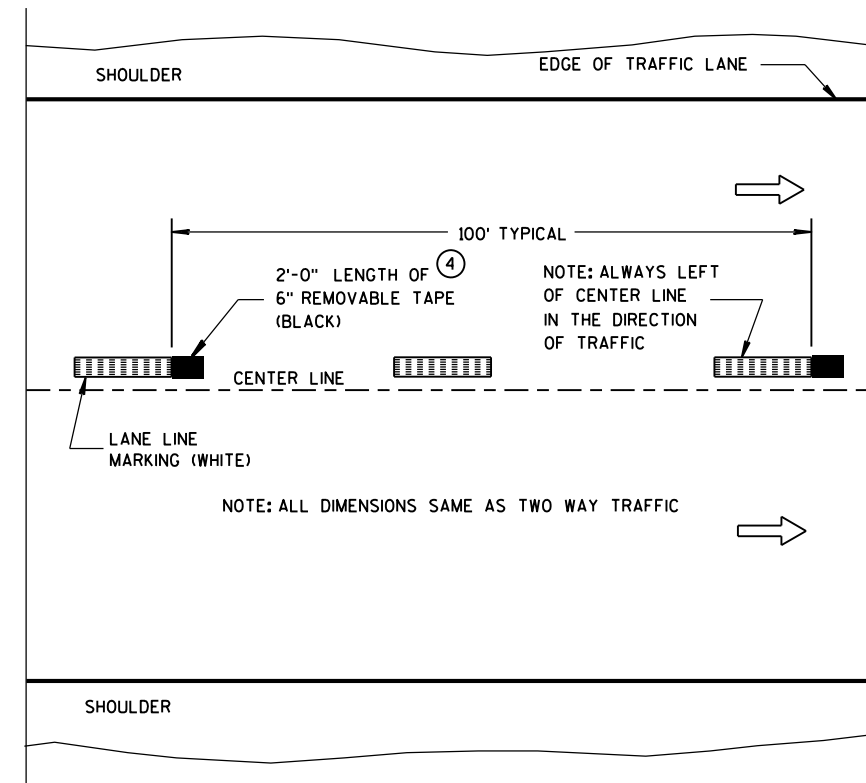


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY (INTERMEDIATE) PAVEMENT MARKING
(SHOWS CYCLE FOR TEMPORARY CENTER LINE OR TEMPORARY LANE LINE MARKING)

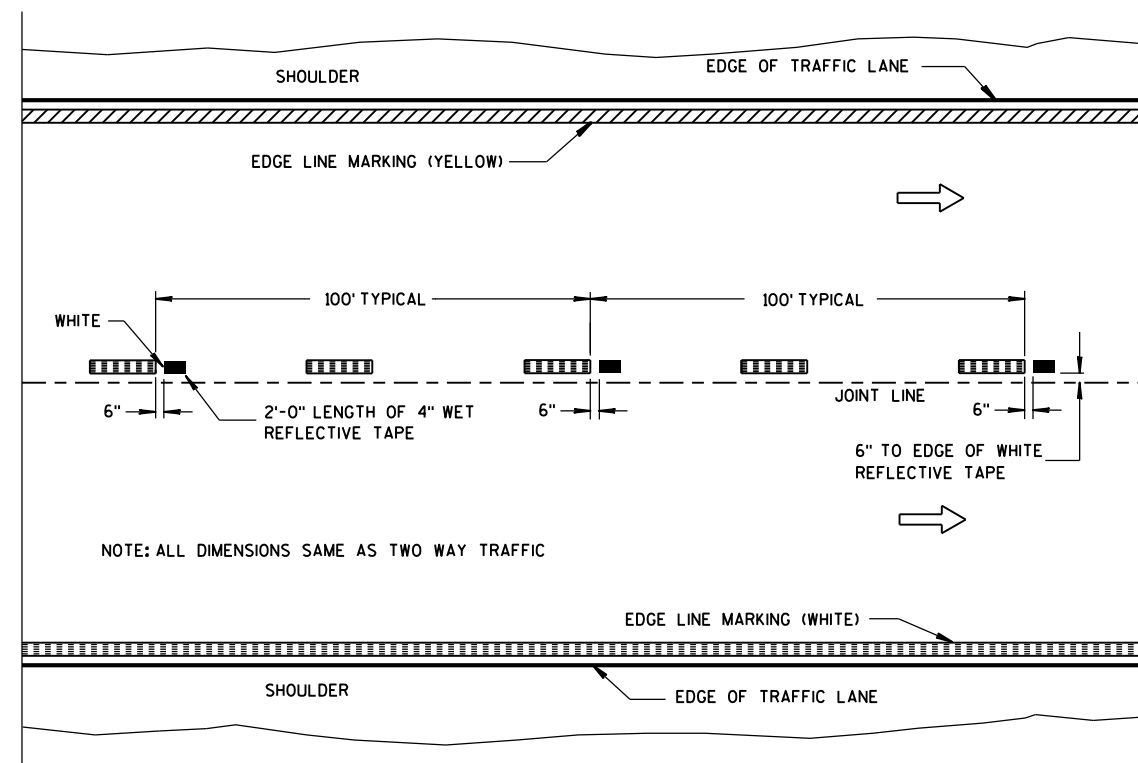
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

- ① HALF CYCLE LENGTHS (25'±) WITH 2' MINIMUM STRIPE LENGTHS SHALL BE PROVIDED ON ROADWAYS (INCLUDING TEMPORARY TRAVELED WAYS) WITH REVERSE CURVATURE, CURVATURE OF OVER 5 DEGREES OR WHEN DIRECTED BY THE ENGINEER TO MARK UNUSUAL ALIGNMENT OF THE TRAVELED WAY.
- ② NO PASSING ZONE TEMPORARY PAVEMENT MARKING IS REQUIRED TO BE PLACED, WHERE APPROPRIATE, ALONG WITH CENTERLINE TEMPORARY PAVEMENT MARKING WHEN A SAME DAY PERMANENT PAVEMENT MARKING ITEM IS INCLUDED IN THE CONTRACT.
- ③ NO PASSING ZONE MARKINGS ARE PLACED ACCORDING TO "T" MARKINGS. IF EXISTING NO PASSING ZONE W14-3 SIGNS ARE BEYOND 50 FEET IN EITHER DIRECTION, THE SIGNS SHALL BE MOVED TO THE "T" MARKINGS.
- ④ CONCRETE ONLY.

NOTE

ARROW SYMBOL (→) SHOWS DIRECTION OF TRAVEL



WET REFLECTIVE TAPE SUPPLEMENT TO
SPRAYED OR NON WET REFLECTIVE TAPE LANE LINE

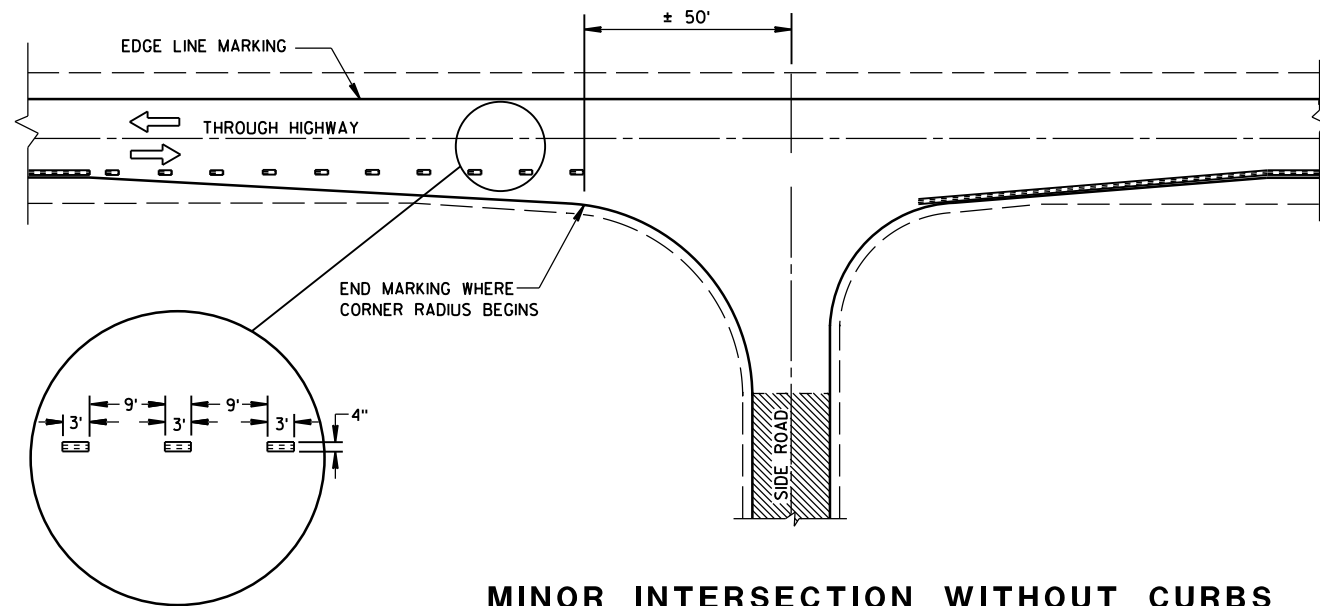
LEGEND

- "T" MARKING
- POST MOUNTED SIGN

PAVEMENT MARKING
(MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10-1-2012 /S/ Travis Feltes
DATE STATE TRAFFIC ENGINE 121 :SIGN
FHWA



MINOR INTERSECTION WITHOUT CURBS

⑦

POSTED SPEED (MPH)	MINIMUM DISTANCE BETWEEN ZONES (FEET)
25 - 30	528
35 - 40	528
45 - 50	686
55	792

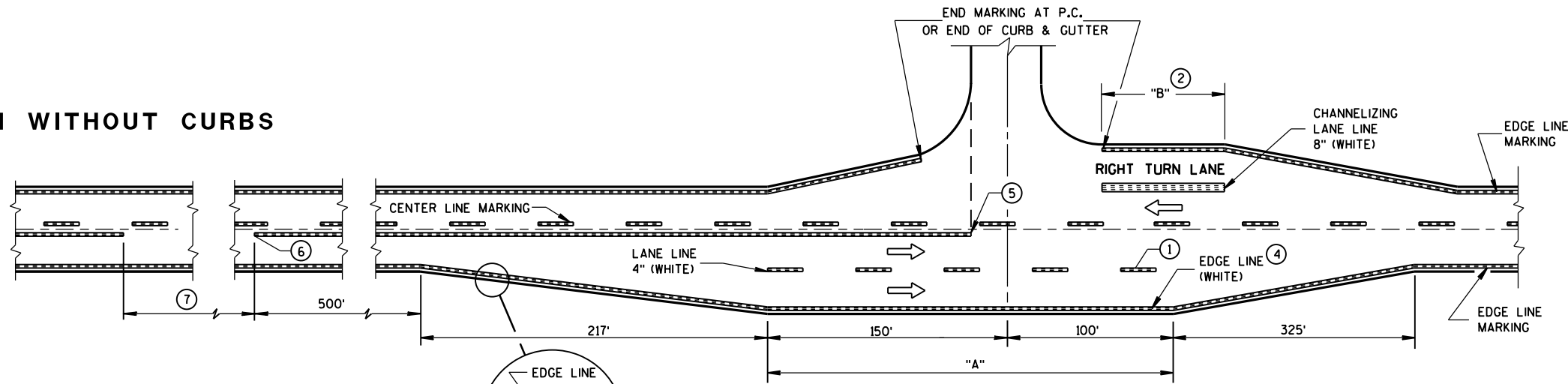
GENERAL NOTES

EDGE LINES SHALL BE OMITTED THROUGH INTERSECTIONS. EDGE LINES SHALL BE CONTINUED THROUGH DRIVEWAYS.

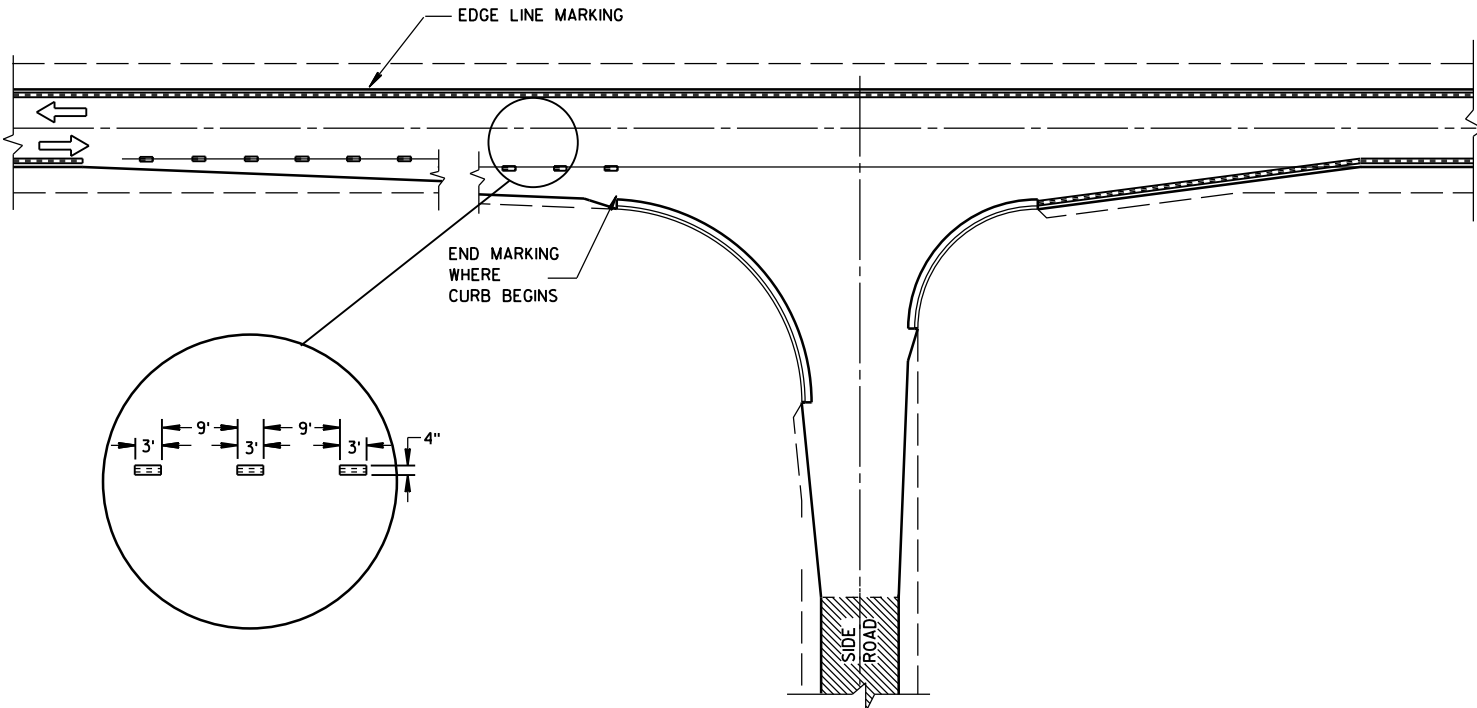
- ① WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
- ② WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
- ③ ALTERNATIVE MARKING SHALL BE PROVIDED WHEN SPECIFIED IN THE CONTRACT. TYPICAL SITUATIONS WHERE THIS MARKING MAY BE REQUIRED ARE WHERE THE INTERSECTION IS ON A SHARP HORIZONTAL CURVE OR CREST VERTICAL CURVE IN AN UNLIGHTED AREA SUCH THAT THE EDGE LINE MAY BE MISLEADING TO THE MOTORIST OR DISAPPEAR FROM SIGHT.
- ④ THE EDGE LINE IN THE TAPER AREAS OF THE BYPASS LANE AND THE BYPASS LANE SHALL BE LOCATED 1-FOOT FROM EDGE OF PAVEMENT TO THE OUTSIDE EDGE OF EDGE LINE.

- ⑤ BARRIER LINE ENDS AT SIDE ROAD PAVEMENT/SURFACE EDGE EXTENSION.
- ⑥ BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.
- ⑦ IF THE DISTANCE BETWEEN 2 SUCCESSIVE NO-PASSING ZONES IS LESS THAN THE MINIMUM DISTANCE BETWEEN ZONES, CONNECT THE 2 ZONES.
- ⑧ 3' LINE 9' GAP, EXCEPT RETRACE THE EXISTING LINE - GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.

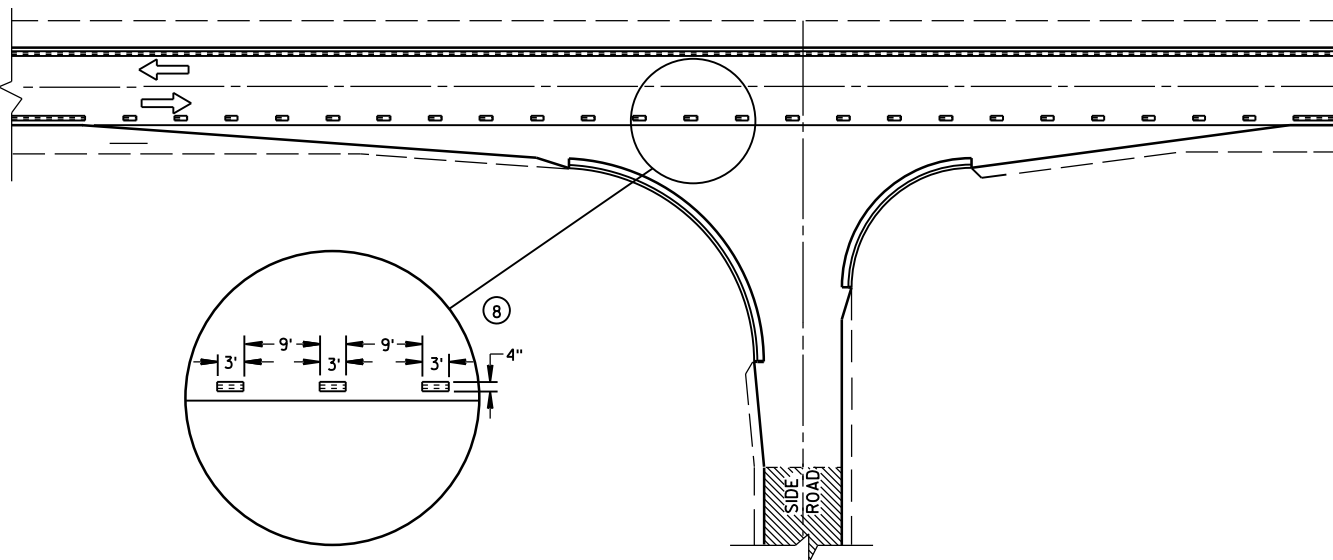
ARROW SYMBOL (→) SHOWS DIRECTION OF TRAVEL



MAJOR INTERSECTIONS
(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANES)



MINOR INTERSECTION WITH CURBS
(TYPICAL MARKING)



MINOR INTERSECTION WITH CURBS
③ (FOR SPECIAL CONDITIONS AS SPECIFIED)

PAVEMENT MARKING (INTERSECTIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION 122

TWO-LANE ROADWAY

SYMBOLS



WORK AREA



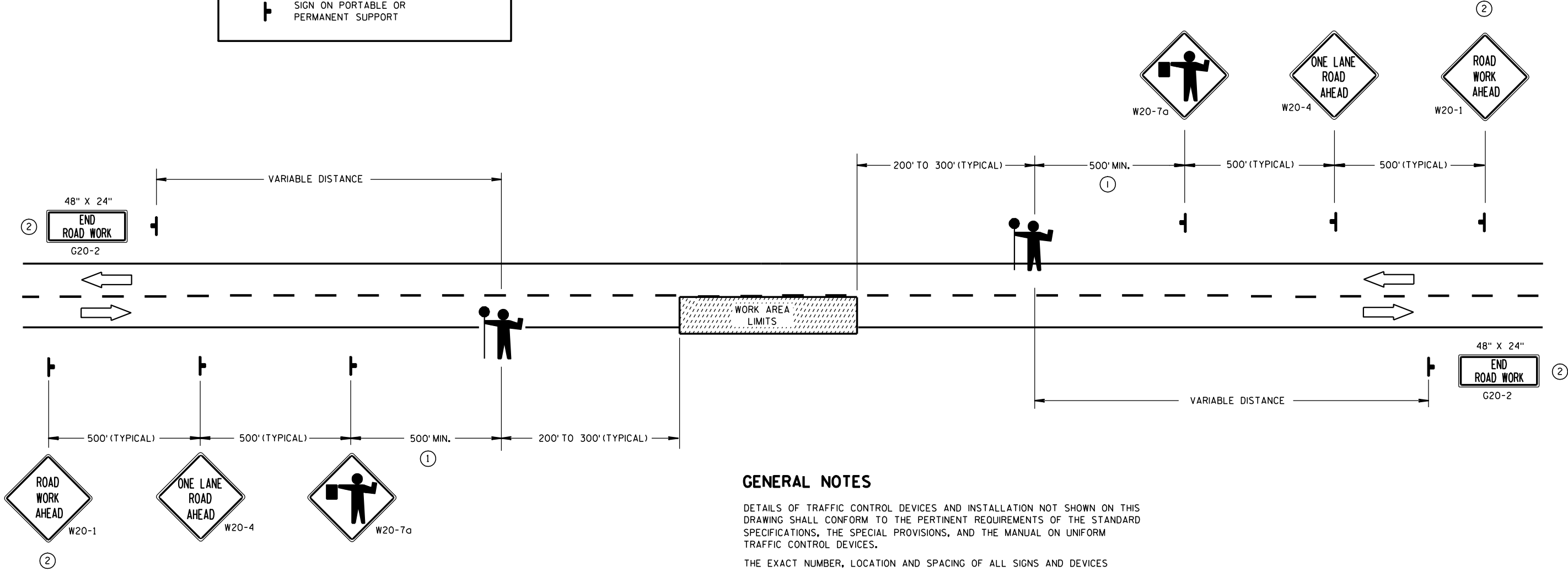
FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF



SIGN ON PORTABLE OR PERMANENT SUPPORT



USE OF THE "BE PREPARED TO STOP" SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7a AND W20-4 SIGNS. A 500' TYPICAL SPACING SHALL BE PROVIDED BETWEEN THE SIGNS.



GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES (AND THE LOCATION OF ALL FLAGGERS) SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT, THE "FLAGGER AHEAD", THE "ROAD WORK AHEAD" AND THE ONE LANE ROAD AHEAD" SIGNS SHALL BE COVERED OR REMOVED AND THE HIGHWAY RESTORED TO NORMAL OPERATION.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

- ① FOR A MOVING WORK OPERATION, SIGNING FOR BOTH DIRECTIONS SHALL BE REESTABLISHED (AS SIMULTANEOUSLY AS PRACTICAL) AT APPROXIMATELY 3500 FOOT INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.
- ② SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

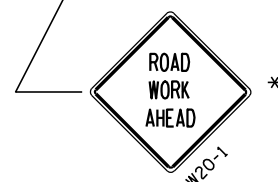
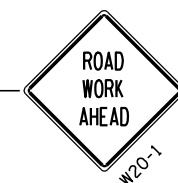
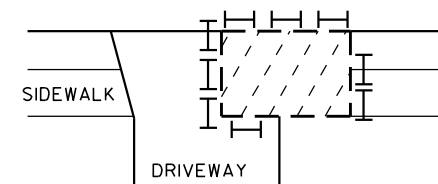
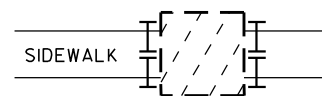
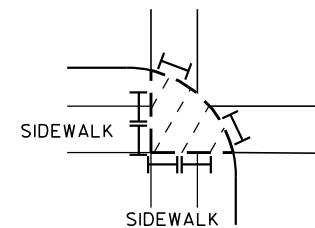
TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

9/5/06 /S/ Thomas N. Nethehm
DATE STATE TRAFFIC ENGINE 123 DESIGN

FHWA



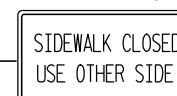
R5-8
24"x12"

3" SERIES C
BLACK LETTERS
ON REFLECTIVE
WHITE BACKGROUND



R5-8
24"x12"

3" SERIES C
BLACK LETTERS
ON REFLECTIVE
WHITE BACKGROUND



R5-8a
24"x12"

2 1/2" SERIES B
BLACK LETTERS
ON REFLECTIVE
WHITE BACKGROUND

LEGEND

b POST MOUNTED SIGN

II/I	TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)
------	--



WORK AREA

 DIRECTION OF TRAFFIC FLOW

200' TYP.

—IF WORK AREA ENCROACHES INTO THE ROADWAY,
SEE OTHER TRAFFIC CONTROL DETAILS FOR
ADDITIONAL TRAFFIC CONTROL

GENERAL NOTES :

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"x36" SIGNS MAY BE USED INSTEAD OF 48"x48" SIGNS, IF APPROVED BY DISTRICT TRAFFIC UNIT.

THE EXACT LOCATION AND PLACEMENT OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

* "ROAD WORK AHEAD" SIGNS ARE NOT REQUIRED IF THE SIDEWALK CLOSURE OCCURS WITHIN A LARGER WORK ZONE WHERE ADVANCE WARNING SIGNS ARE ALREADY PRESENT, OR IF THE WORK AREA AND EQUIPMENT ARE MORE THAN 2 FEET BEHIND THE CURB.

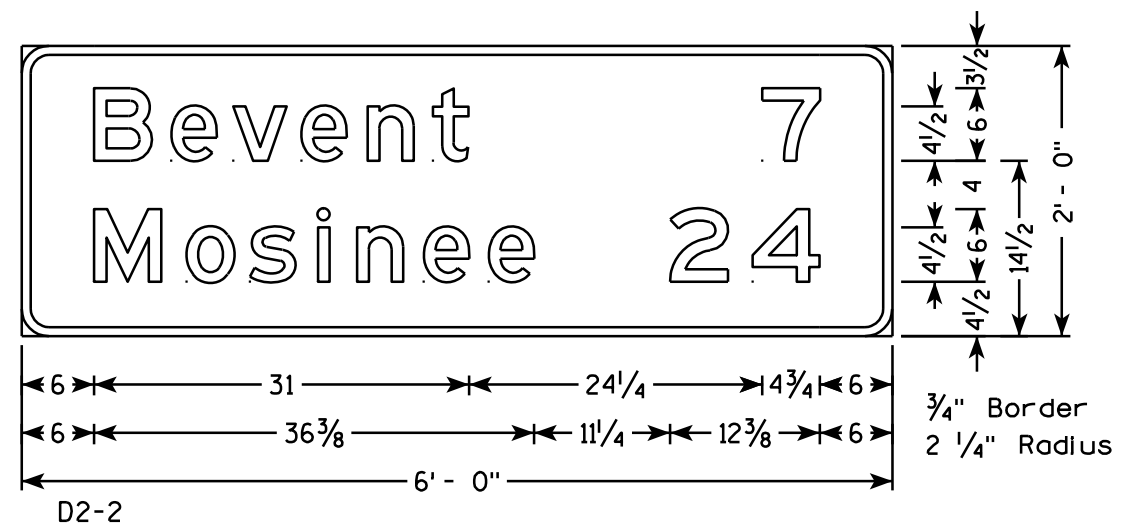
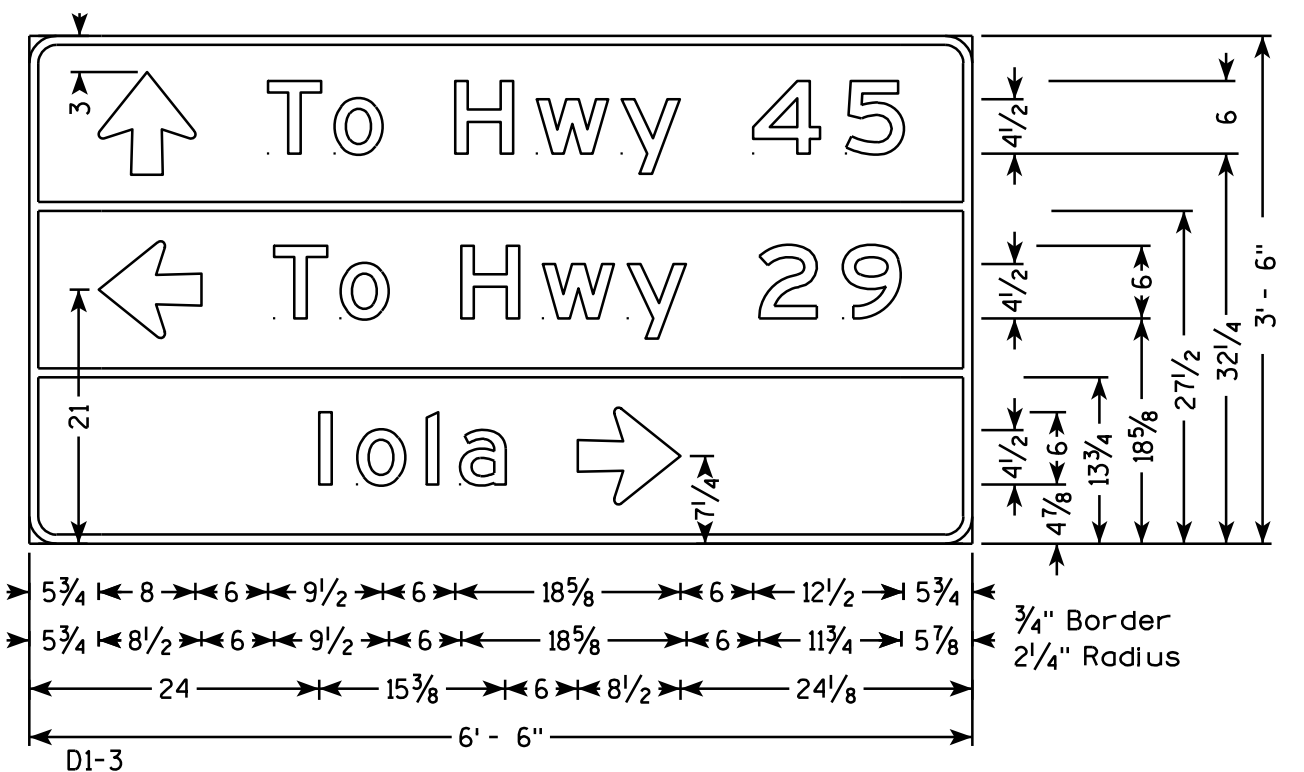
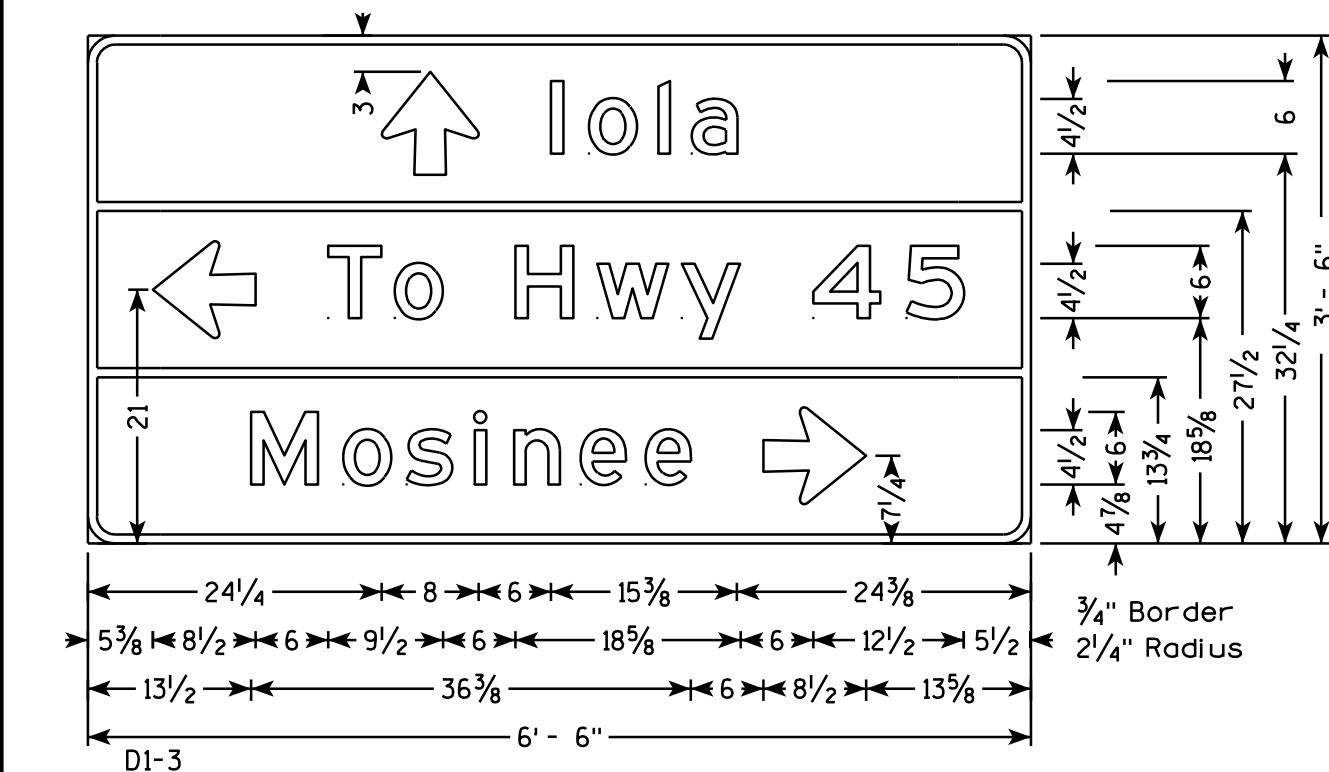
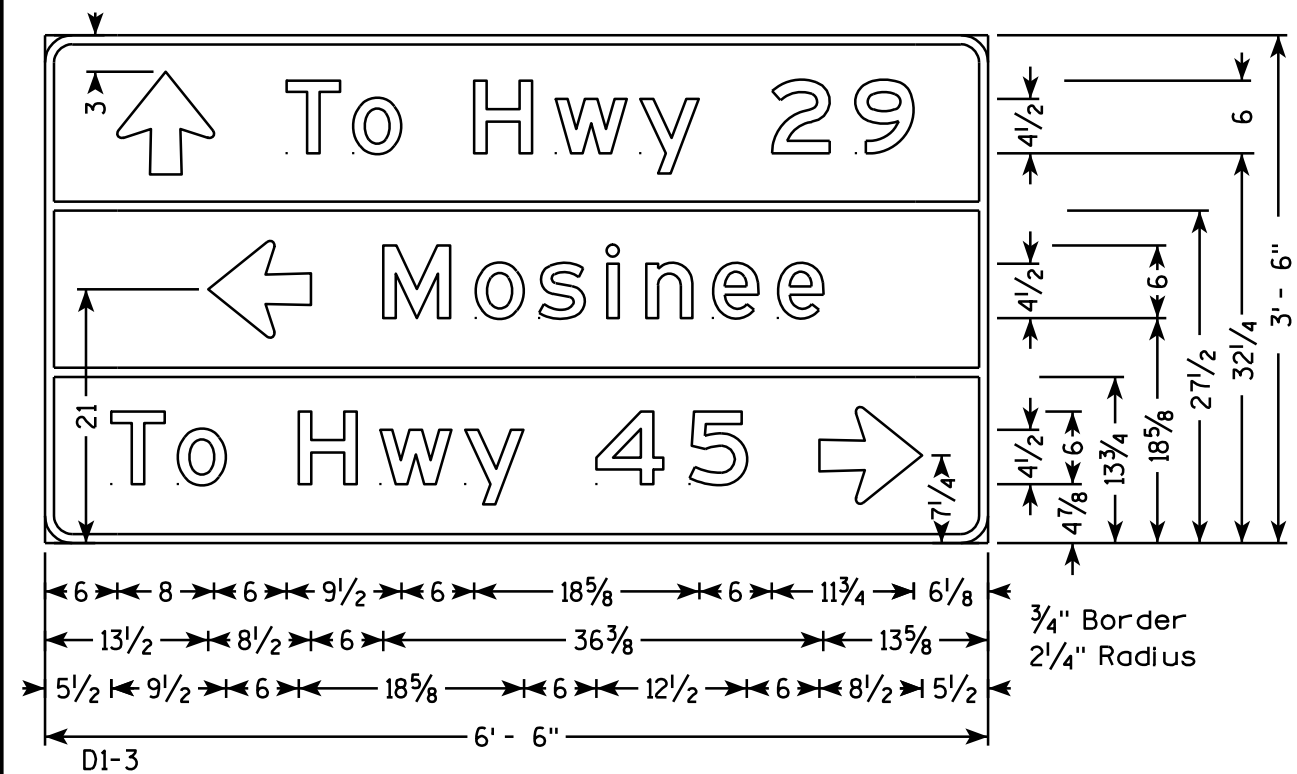
WARNING SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

TRAFFIC CONTROL,
SIDEWALK CLOSURE

**TRAFFIC CONTROL,
SIDEWALK CLOSURE**

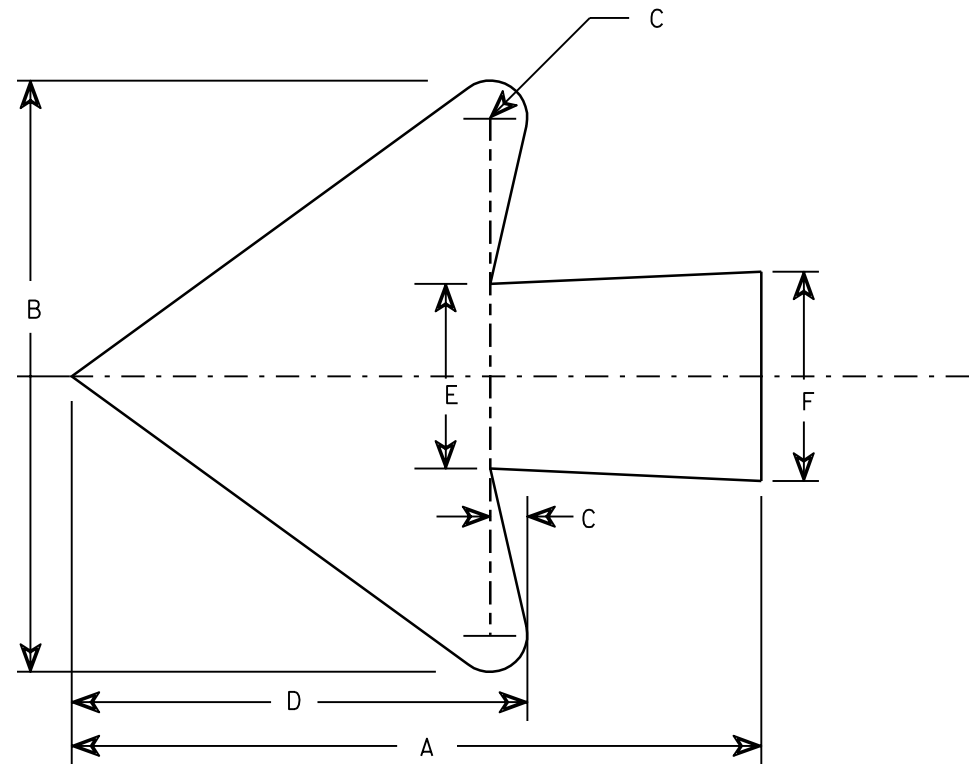
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5/23/2000 /S/ Chester J. [Signature]
DATE CHIEF SIGNS AND MARK 124 NEER
FHWA



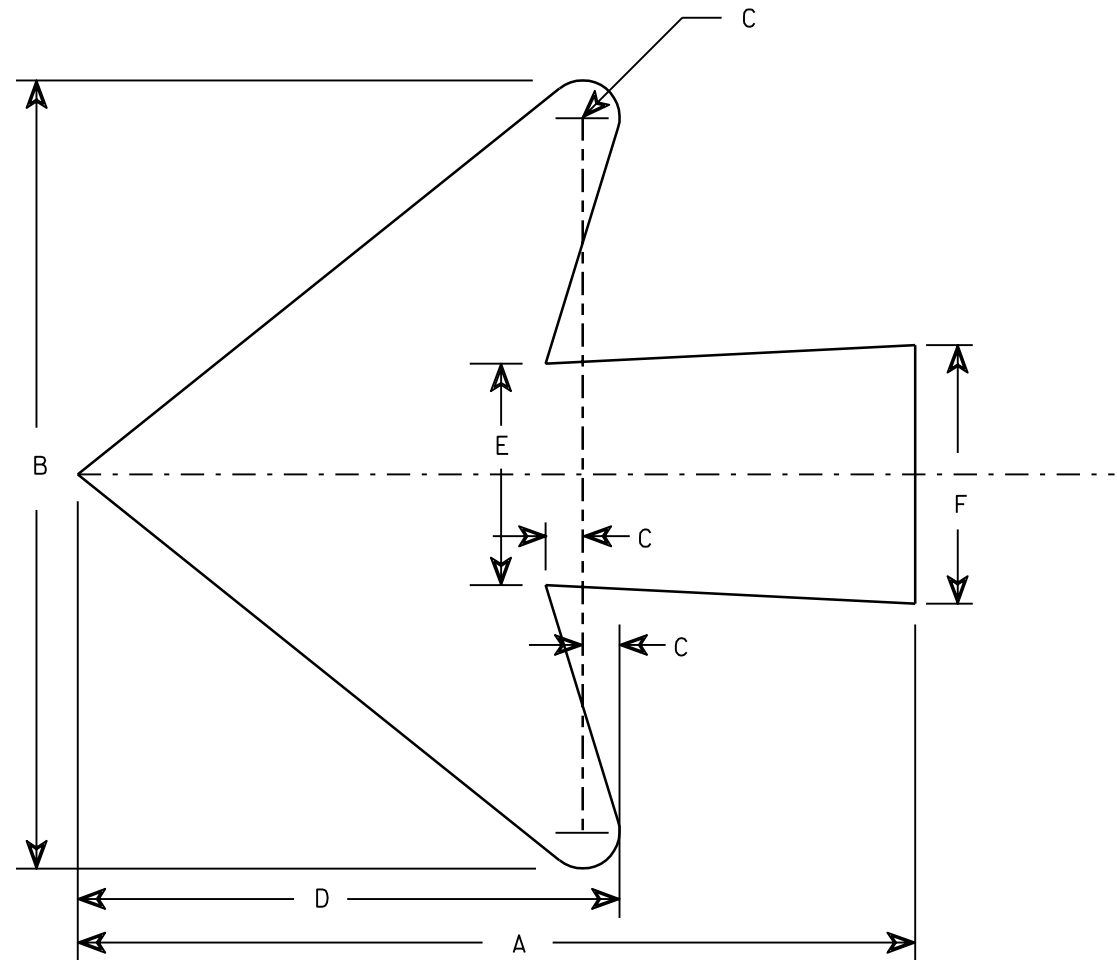
NOTES

1. All Signs Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Green
Message - White
3. Message Series - E except as noted



Lower Case Copy Size	Right or Left	A		B	C	D	E	F
		* 2 Town	* 3 Town					
3¾ Series C	7	11	18	6	¾	4⅝	1⅞	2⅛

* Indicates Ahead and Tilt for
2 & 3 Town applications.

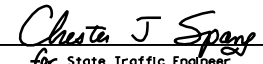


Lower Case Copy Size	Right or Left	A		B	C	D	E	F
		* 2 Town	* 3 Town					
4½ Series D&E	8½	11	18	8	¾	5½	2¼	2⅝
6 Series D&E	12	18	24	10¾	½	7⅜	3¼	3½
8 Series E	15½	24	30	14¼	¾	9¾	4¼	4½

* Indicates Ahead and Tilt for
2 & 3 Town applications.

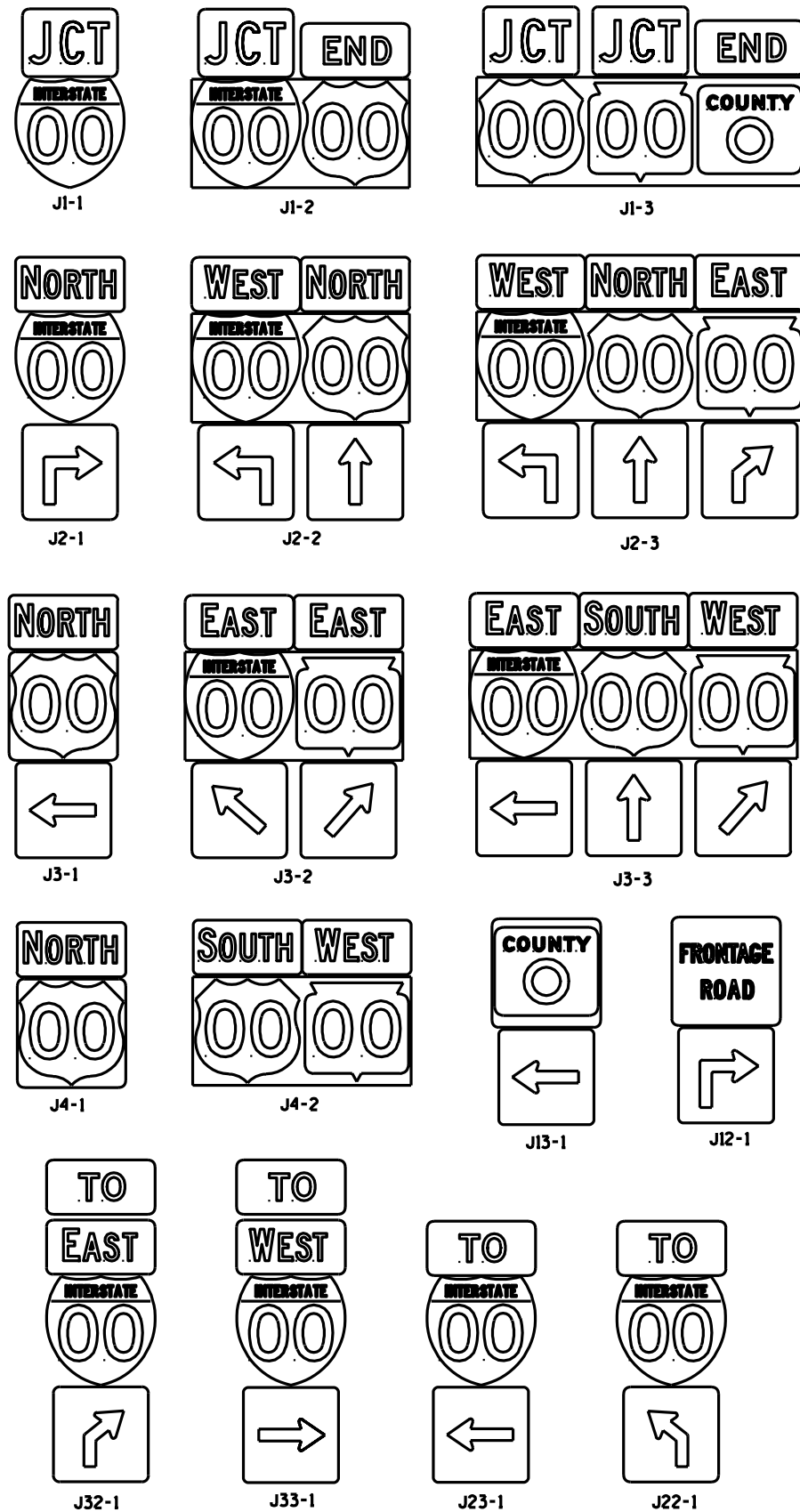
STANDARD ARROWS
FOR D1 GUIDE SIGNS

WISCONSIN DEPT OF TRANSPORTATION

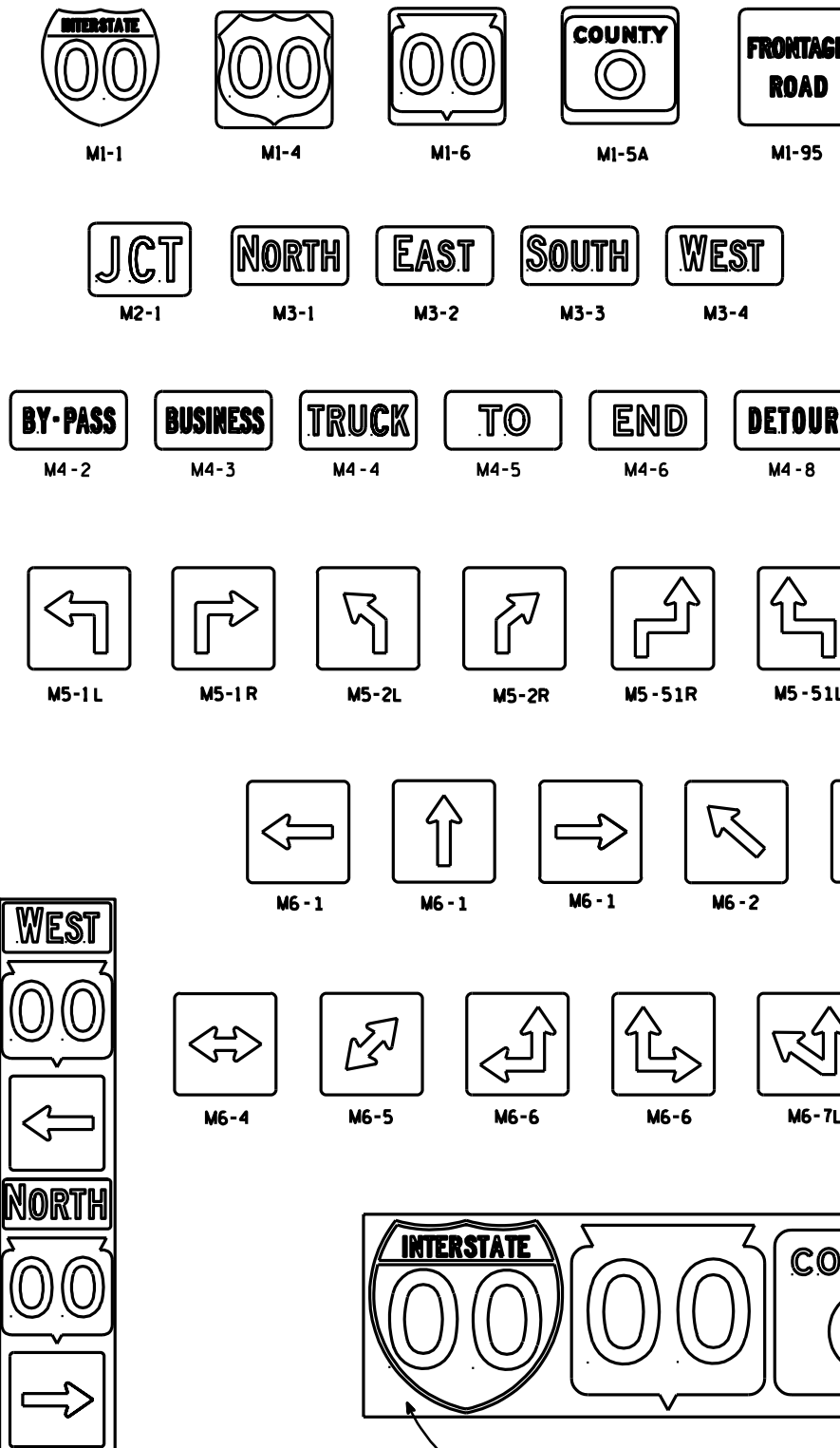
APPROVED 
for State Traffic Engineer

DATE 8/10/92 PLATE NO. A1-2.3

TYPICAL ASSEMBLIES



INDIVIDUAL COMPONENTS OF ASSEMBLIES

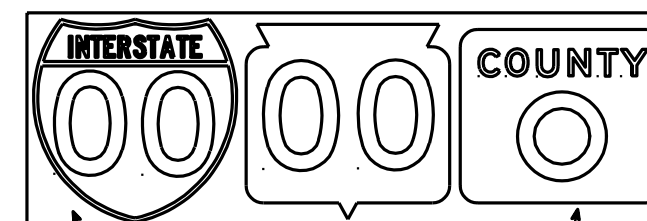


GENERAL NOTES

1. All components within any individual assembly shall be the same "size". The following table illustrates that situation:
2. For any assembly containing two or more route markers, the route markers SHALL be placed on a single high density overlay PLYWOOD panel. All other materials within the assembly can be either plywood or aluminum.
3. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 marker shall be blue.
4. All vertical J assemblies are given a sign code of JV.

SIZE	M1'S	M2	M3'S & M4'S	M5'S & M6'S
2	24 X 24	21 X 15	24 X 12	21 X 21
3,4-5	36 X 36	30 X 21	30 X 15	30 X 30

JV
(Typical Vertical
J- Assembly
See Note 4)



Non-reflective
black background

ROUTE MARKERS & COMPONENTS IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION
APPROVED *Chester J. Spang*
for State Traffic Engineer
DATE 3/06/00 A2-1.6

PROJECT NO:

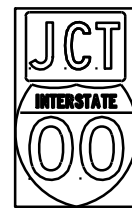
HWY:

COUNTY:

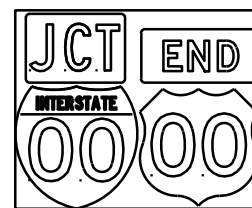
SHEET NO: 127

E

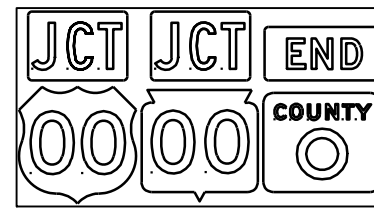
TYPICAL ASSEMBLIES



J1-1



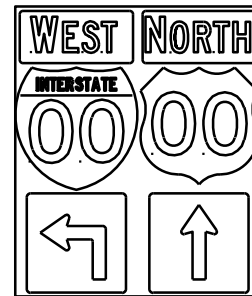
J1-2



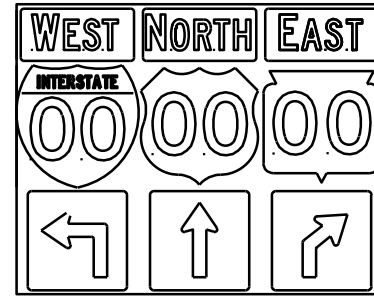
J1-3



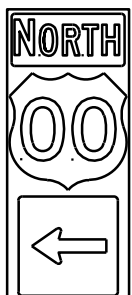
J2-1



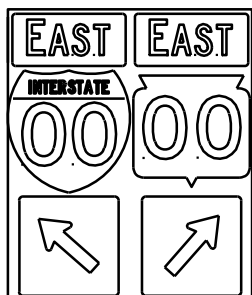
J2-2



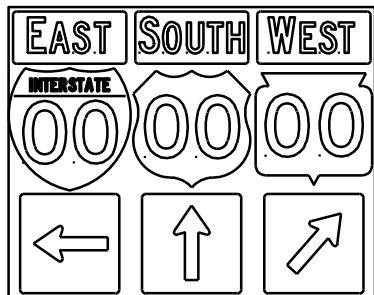
J2-3



J3-1



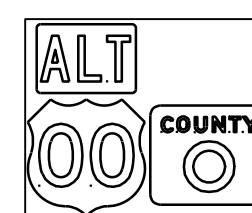
J3-2



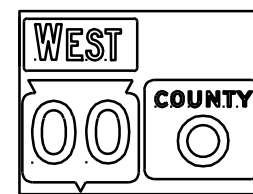
J3-3



J4-1



J4-2



J4-2



J13-1



J12-1



J32-1



J33-1



J23-1



J22-1

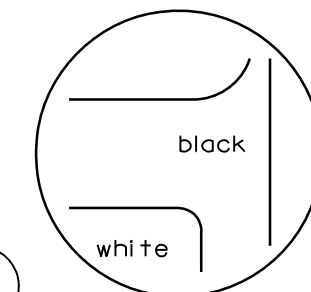
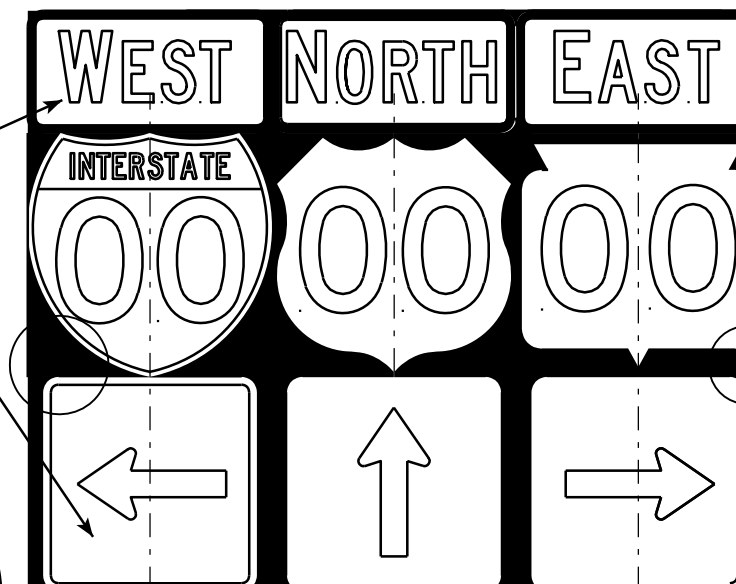
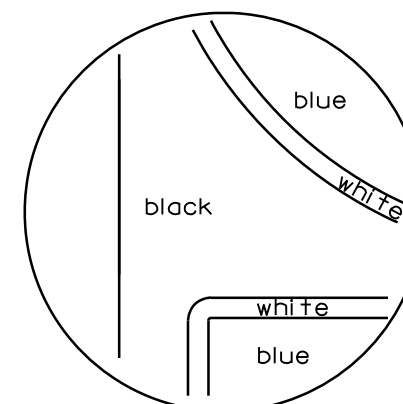


JV

NOTES

- Signs are Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- Color:
Background - Black Non-reflective
Message - see Note 5
- Message Series - See Note 5
- Corners shall be square since base material is plywood.
- The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
- Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
- Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
- Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
- Route assemblies that have 36 inch shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.

[blue background with interstate]



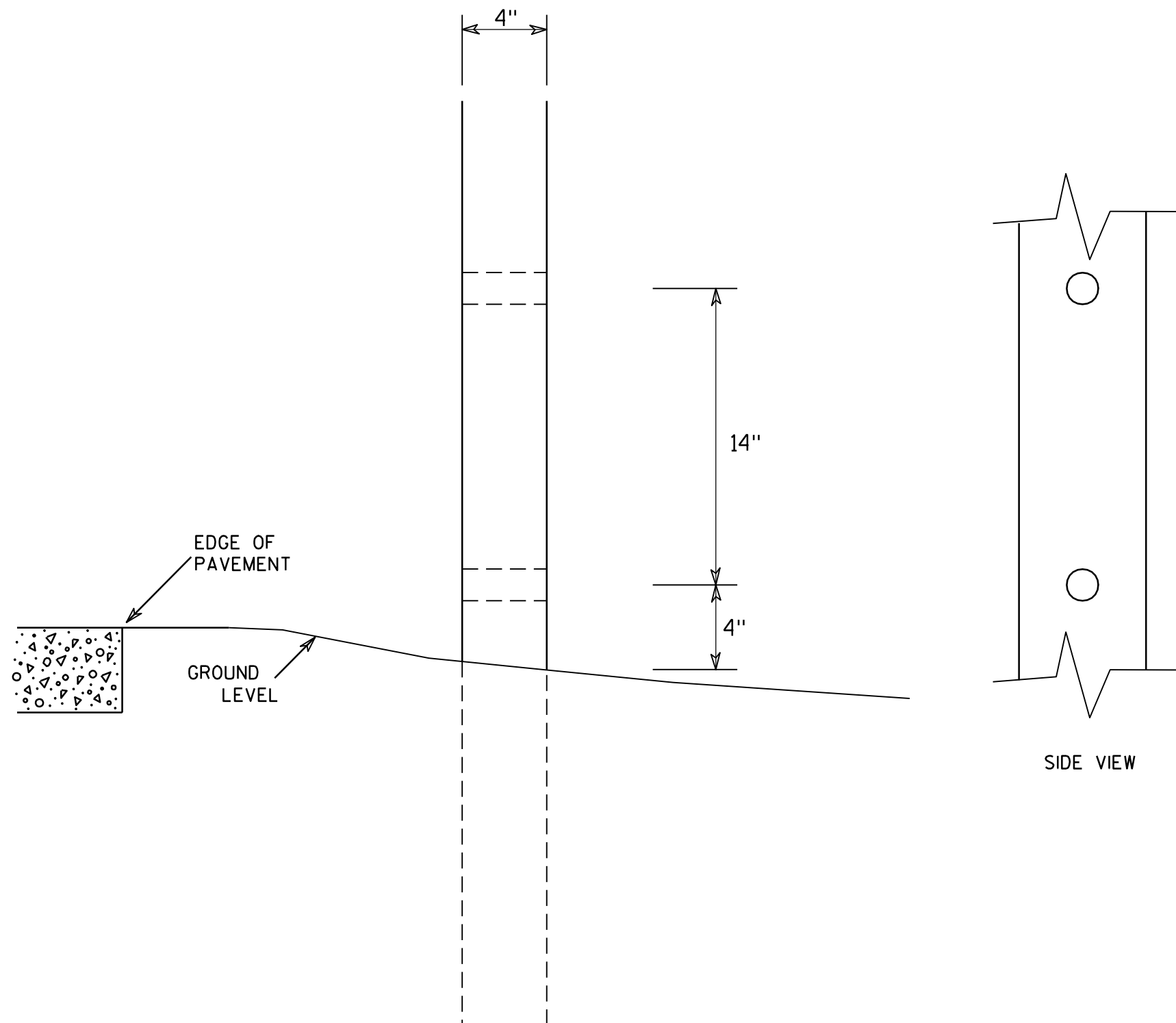
ROUTE MARKERS & COMPONENTS IN TYPICAL ASSEMBLIES	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	<i>Matthew R. Rauch</i> For State Traffic Engineer
DATE 10/21/09	PLATE NO. A2-1S.6

PROJECT NO:

SHEET NO: 128

E

7



GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

7

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Chester J. Spang
for State Traffic Engineer

DATE 3/27/97

PLATE NO. A4-11.2

PROJECT NO:

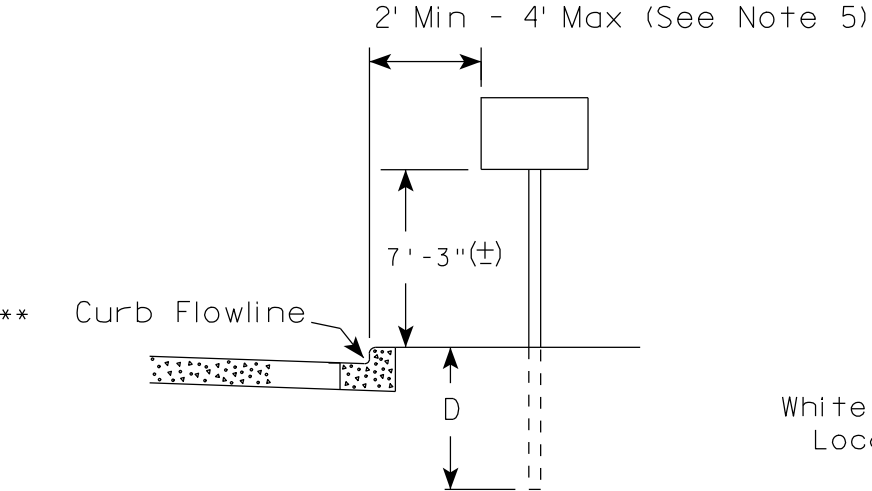
HWY:

COUNTY:

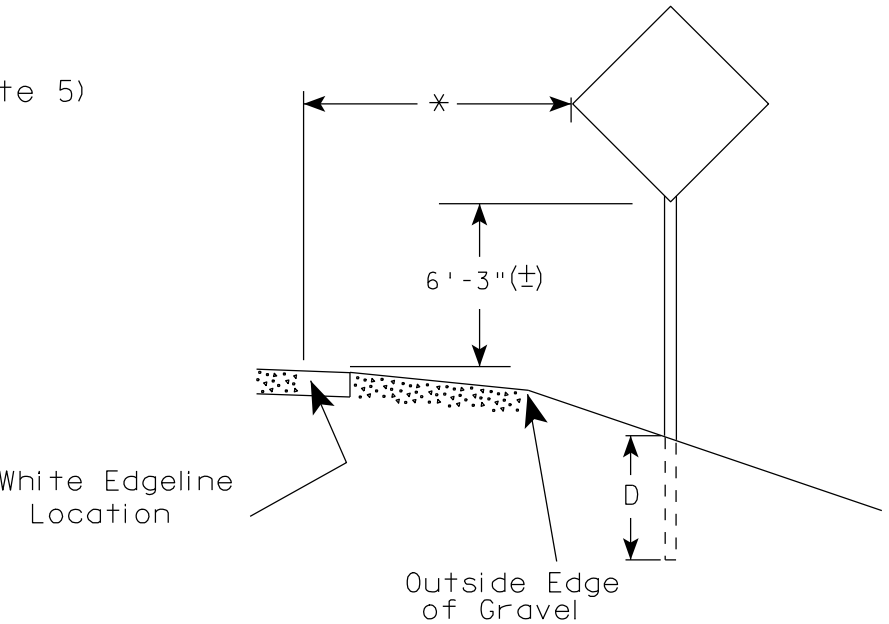
SHEET NO: 129

E

URBAN AREA

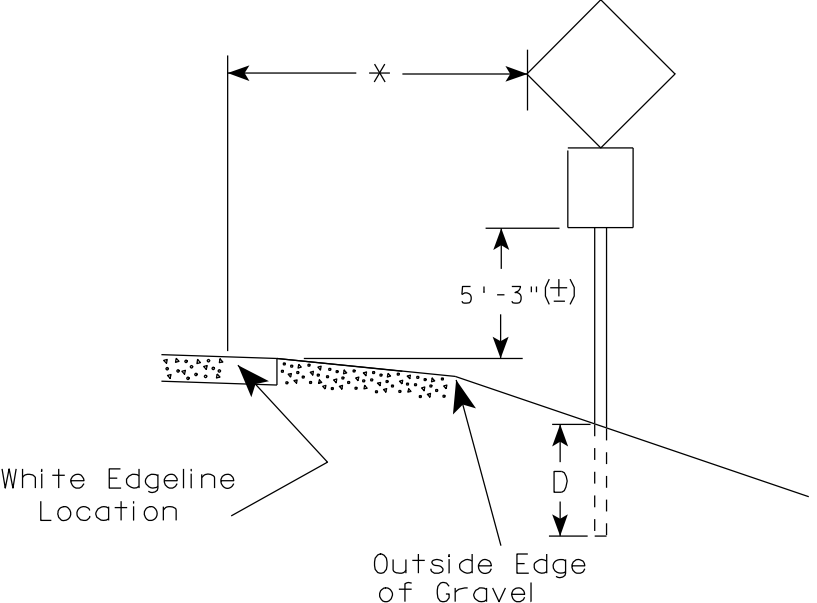
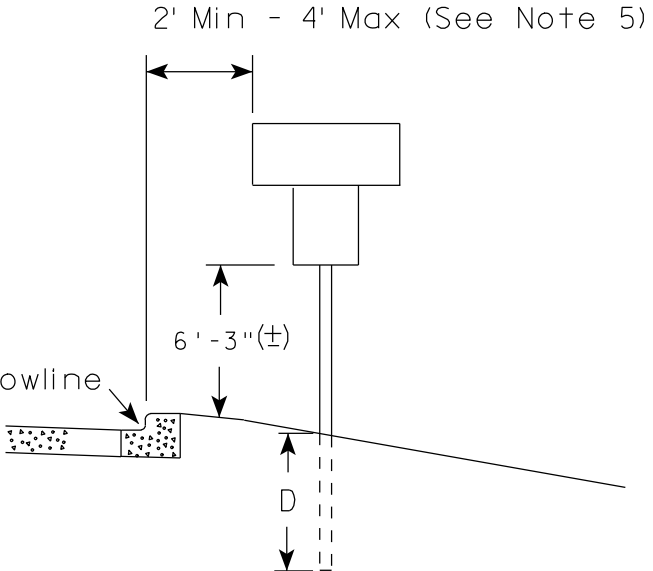


RURAL AREA (See Note 2)



GENERAL NOTES

1. Signs wider than 4 feet or larger than 20 sq. ft. shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on barrier wall, see A4-10 sign plate.
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. Minimum mounting height for J assemblies (A4-5) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
5. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. The (±) tolerance for mounting height is 3 inches.
8. Folding stop signs (R1-1F) shall be mounted at a height of 5'-3" (±) or as directed by the Engineer.
9. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series) & End of Road Markers (W5-56 & W5-56A) shall be mounted at a height of 4'-3" (±).



POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

✱✱ The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

TYPICAL INSTALLATION
OF PERMANENT TYPE II
SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 9/21/2011 PLATE NO. A4-3.16

GENERAL NOTES

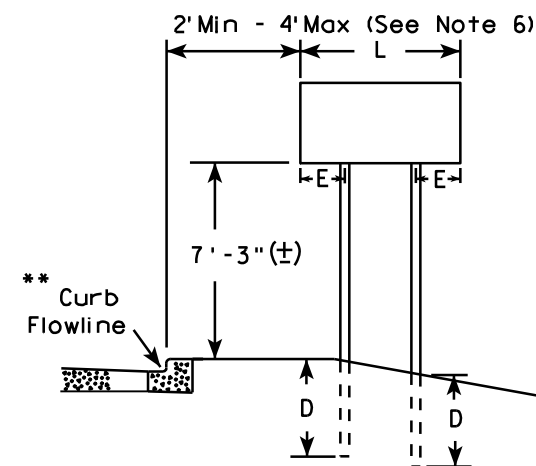
- For multiple post installations, individual post spacing shall be greater than 3'-6".
- See tables below for required number of posts.
- For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
- The (±) tolerance for mounting height is 3 inches.
- Minimum mounting height for J assemblies (A4-5) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
- Offset distance shall be consistent with existing signs or consistent throughout length of project.
- Folding stop signs (R1-1F) shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
- The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series) & End of Road Markers (W5-56 & W5-56A) shall be mounted at a height of 4"-3" (±).

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

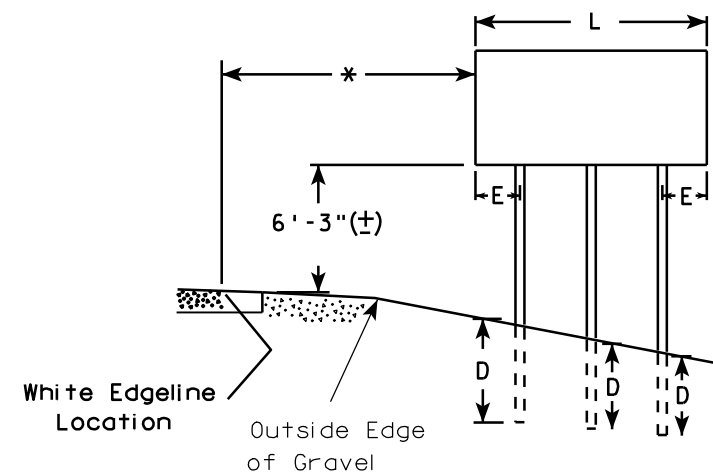
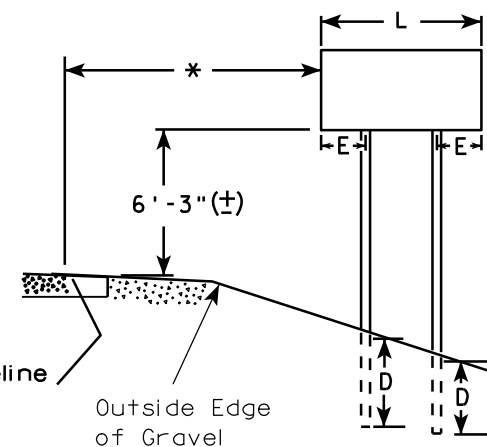
** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width or 20 S.F. or less in area.

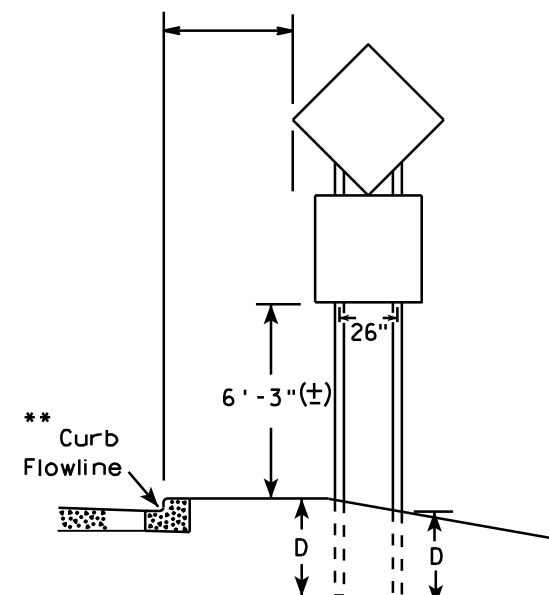
URBAN AREA



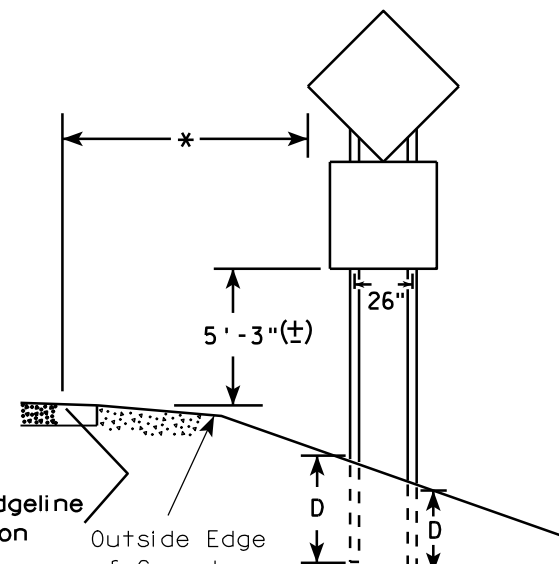
RURAL AREA (See Note 3)



2' Min - 4' Max (See Note 6)



48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)	
L	E
Greater than 48" Less than 60"	12"
60" to 120"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 120" less than 168"	12"

SIGN SHAPE OTHER THAN DIAMOND (FOUR POSTS REQUIRED)	
L	E
168" and greater	12"

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

TYPICAL INSTALLATION
OF TYPE II SIGNS
ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 9/21/2011 PLATE NO. A4-4.11

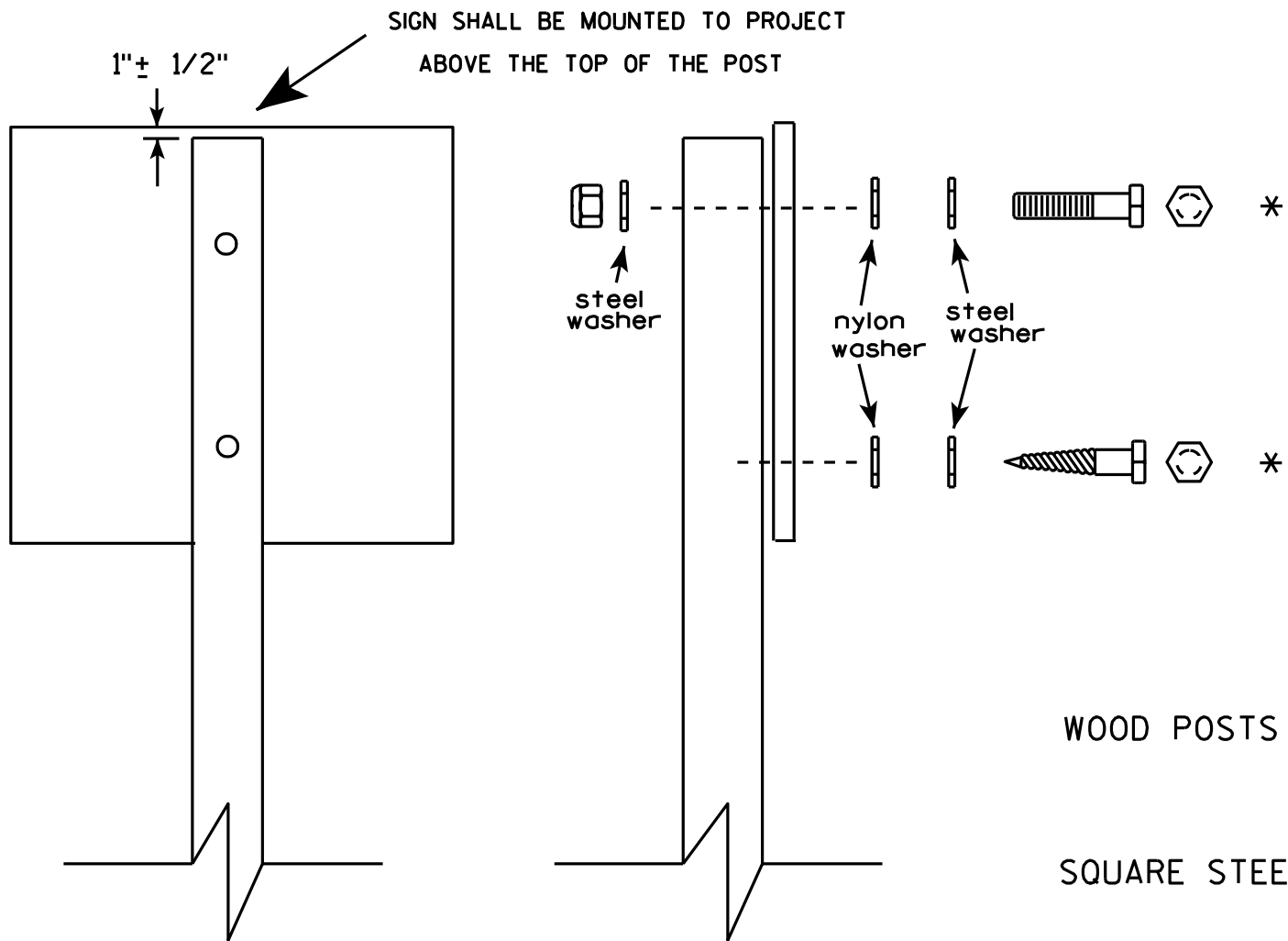
PROJECT NO:

HWY:

COUNTY:

SHEET NO: 131

E



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

- a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3
- b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

WOOD POSTS (4" x 4" or 4" x 6")

LAG SCREWS - 3/8" X 3"

MACHINE BOLTS - 5/16" X 6-1/2" or 7" Length w/ nuts

SQUARE STEEL POSTS (2" x 2")

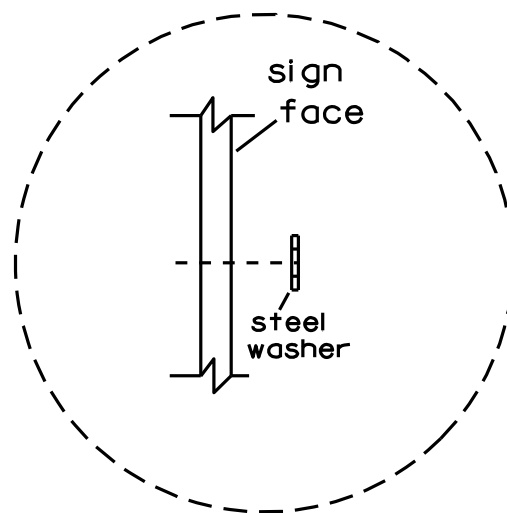
MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL

1-1/4" O.D. X 3/8" I.D. X .080 NYLON for all Type H signs.



Washer Placement when Sign Has Other Than Type H or Type F Face

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

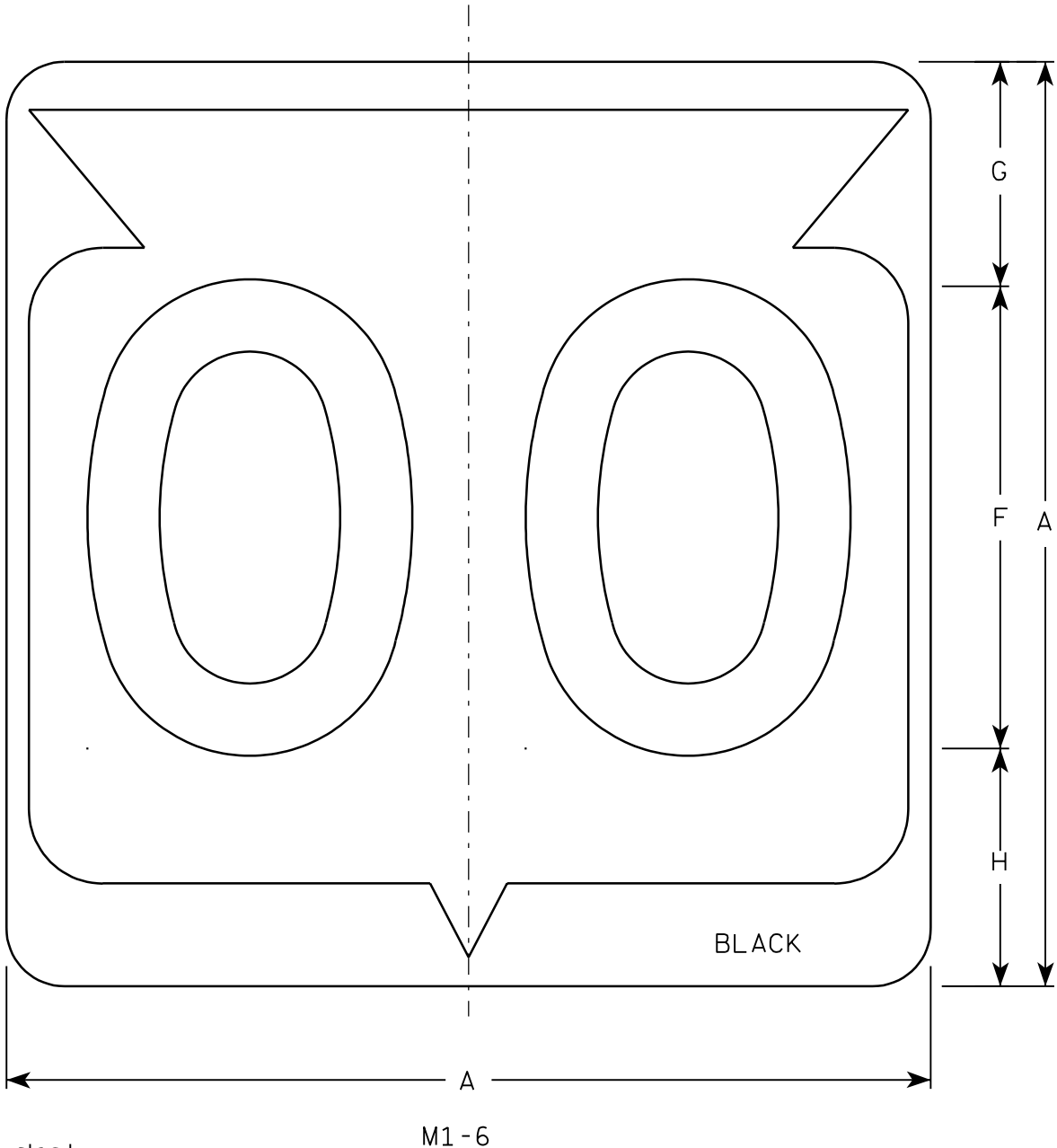
DATE 3/23/10 PLATE NO. A4-8.7

PROJECT NO:

SHEET NO: 132

E

7



Metric equivalent
for this sign is:

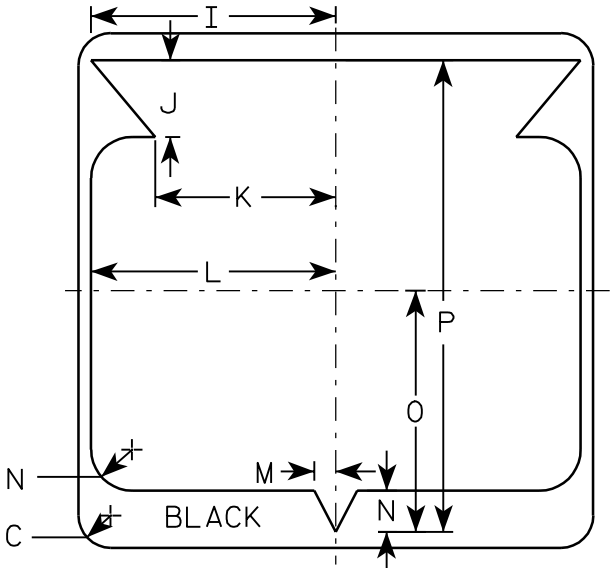
SIZE	
1	
2	600 mm X 600 mm
3	900 mm X 900 mm
4	900 mm X 900 mm
5	900 mm X 900 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m ²
1																												
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0	.36
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 133	E
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NOTES

1. Sign is Type II - See Note 6 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - White & Black - See Note 6
Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate Series numerals and adjust spacing as per plate A10-1.
6. Permanent Signs
Background - Type H Reflective
Detour or temporary Signs
Background - Reflective



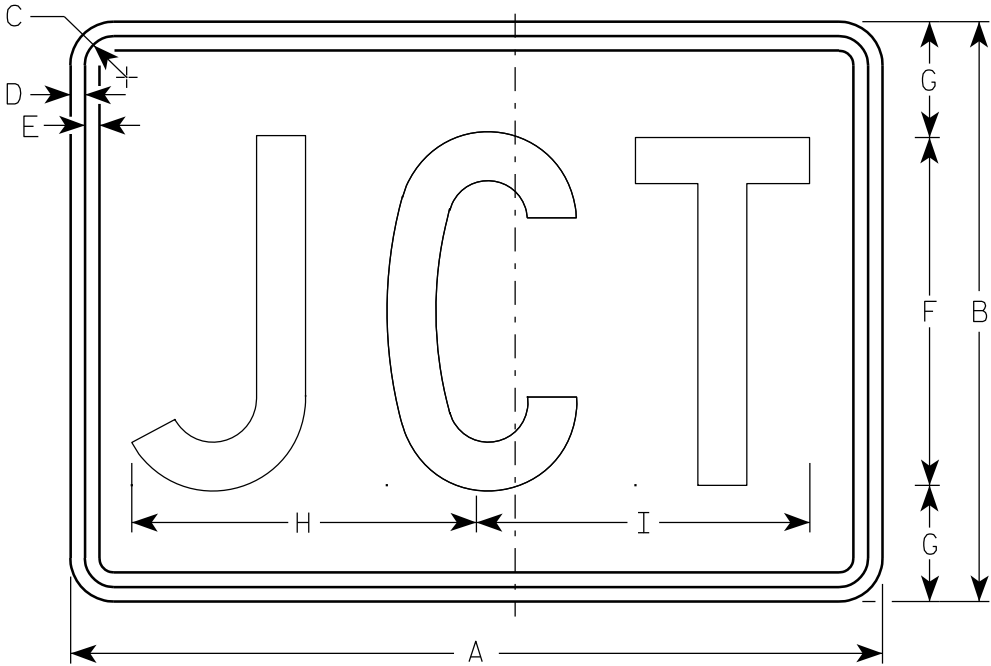
STATE ROUTE MARKER
M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

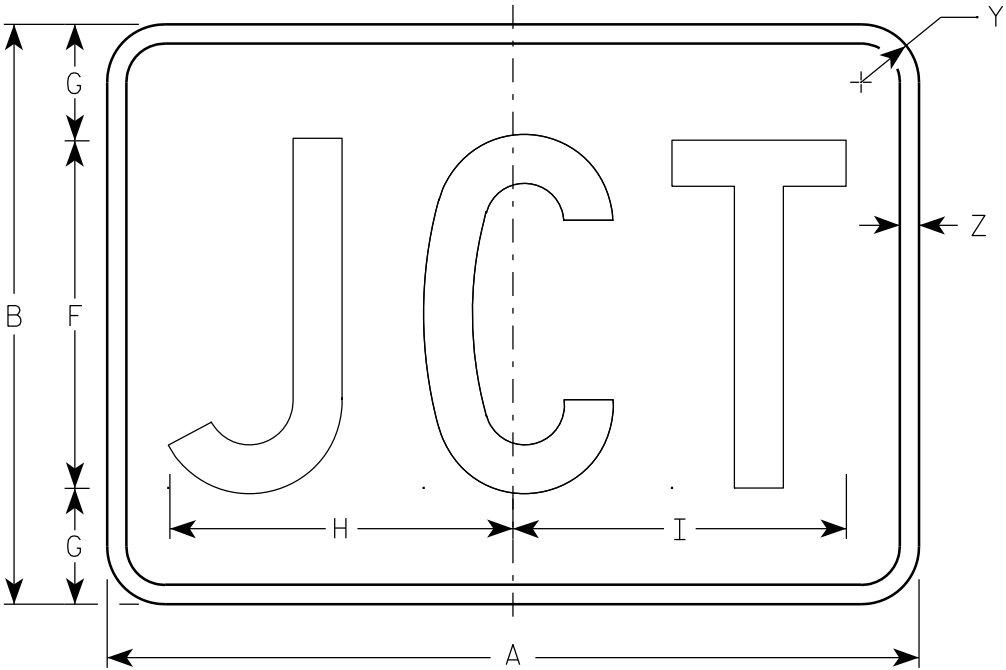
APPROVED
Chester J. Spang
for State Traffic Engineer
DATE 3/20/02 PLATE NO. M1-6.9

NOTES

1. Sign is Type II - See Note 5 - reference
WIS DOT Standard Specification for HIGHWAY
and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - See note 5
Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base
material is plywood but borders shall be rounded
as shown. When base material is metal, the
corners and borders shall be rounded.
5. M2-1 Background - White - Type H Reflective
(Detour or temporary Signs - Reflective)
Message - Black
MB2-1 Background - Blue
Message - White - Type H Reflective
(Detour or temporary Signs - Reflective)
MG2-1 Background - Green
Message - White - Type H Reflective
MK2-1 Background - Green
Message - White - Type H Reflective
MM2-1 Background - White - Type H Reflective
Message - Green
MN2-1 Background - Brown
Message - White - Type H Reflective
MR2-1 Background - Brown
Message - Yellow - Type H Reflective



M2-1
MK2-1
MM2-1
MR2-1



MB2-1
MG2-1
MN2-1

Metric equivalent
for this sign is:

SIZE	
1	
2	525 mm X 375 mm
3	750 mm X 525 mm
4	750 mm X 525 mm
5	750 mm X 525 mm

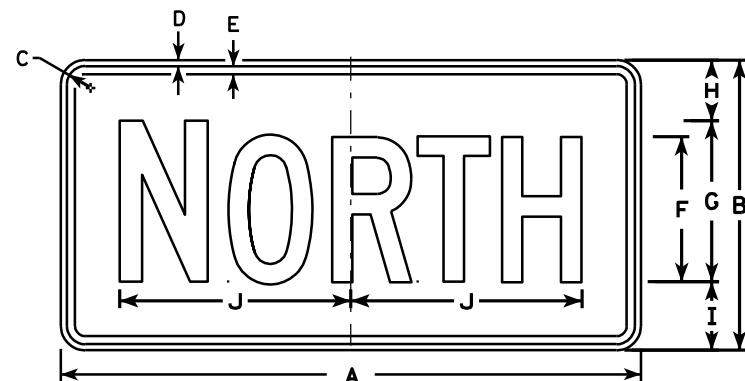
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m ²
1																												
2	21	15	1 1/8	3/8	3/8	9	3	8 7/8	8 5/8																1 1/2	1/2	2.20	0.20
3	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40	0.20
4	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40	0.20
5	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40	0.20

STANDARD SIGN
M2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED
Matthew R. Rauch
for State Traffic Engineer

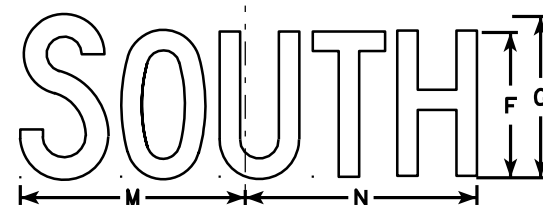
DATE 3/16/10 PLATE NO. M2-1.10



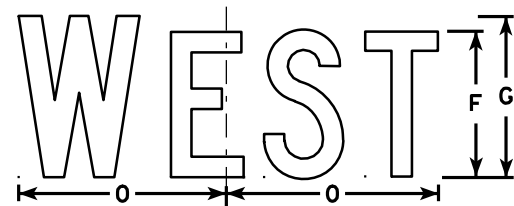
M3-1
MK3-1
M03-1



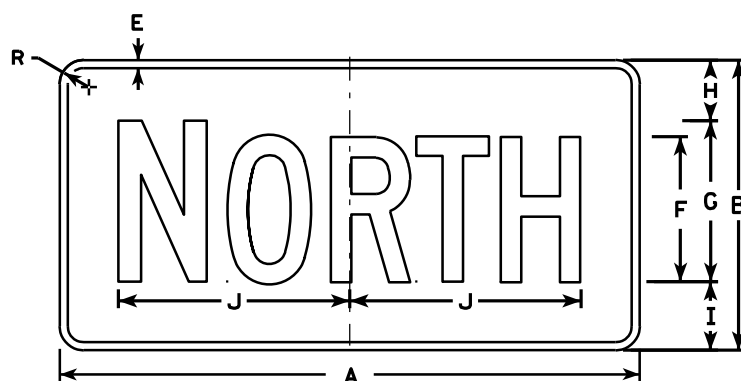
M3-2
MK3-2
M03-2



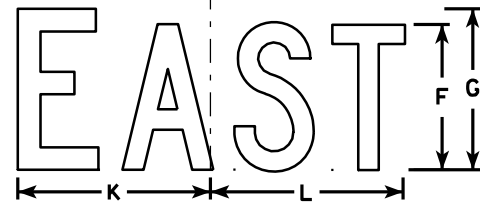
M3-3
MK3-3
M03-3



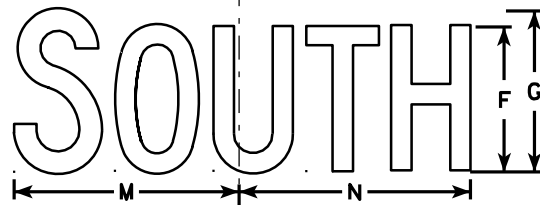
M3-4
MK3-4
M03-4



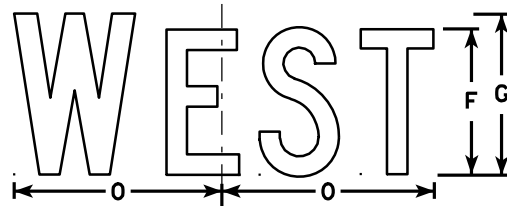
MB3-1
MG3-1
MM3-1
MN3-1



MB3-2
MG3-2
MM3-2
MN3-2



MB3-3
MG3-3
MM3-3
MN3-3



MB3-4
MG3-4
MM3-4
MN3-4

NOTES

1. All Signs Type II - See Note 5 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - See note 5
Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White - Type H Reflective (Detour or temporary signs - Reflective)
Message - Black
MB3-1 thru MB3-4 Background - Blue
Message - White - Type H Reflective (Detour or temporary signs - Reflective)
MG3-1 thru MG3-4 Background - Green
Message - White - Type H Reflective
MK3-1 thru MK3-4 Background - Green
Message - White - Type H Reflective
MM3-1 thru MM3-4 Background - White - Type H Reflective
Message - Green
MN3-1 thru MN3-4 Background - Brown
Message - White - Type H Reflective
M03-1 thru M03-4 Background - Orange - Reflective
Message - Black
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

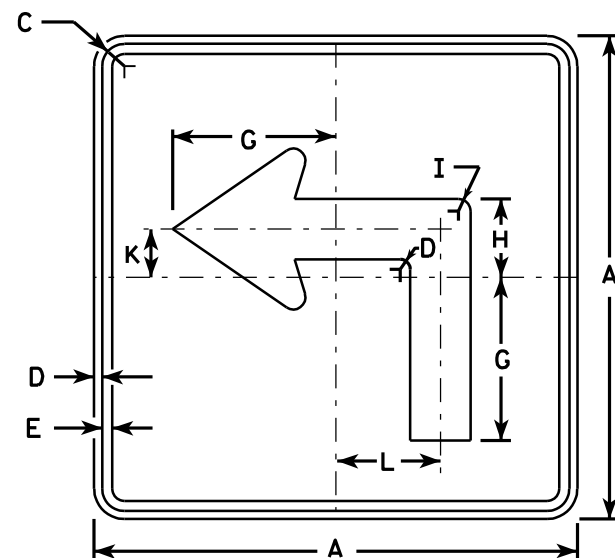
PROJECT NO: _____ HWY: _____ COUNTY: _____ SHEET NO: 135 **E**

STANDARD SIGNS M3-1 thru M3-4 SERIES

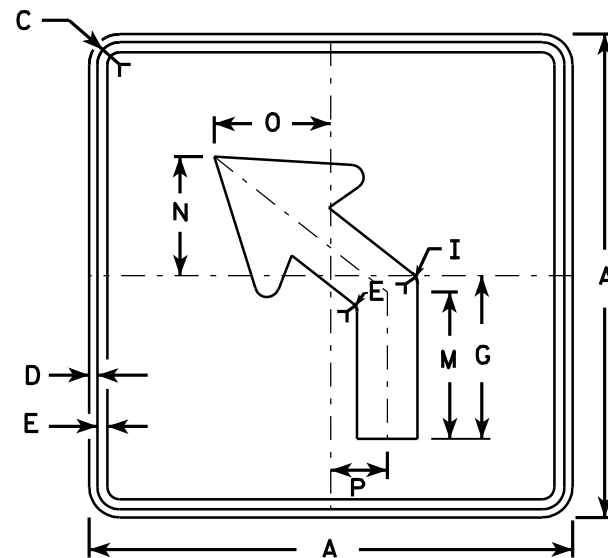
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

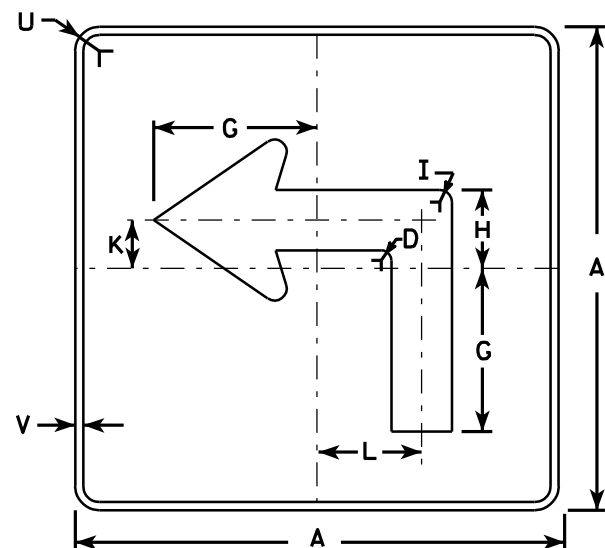
DATE 11/10/10 PLATE NO. M3-1.12



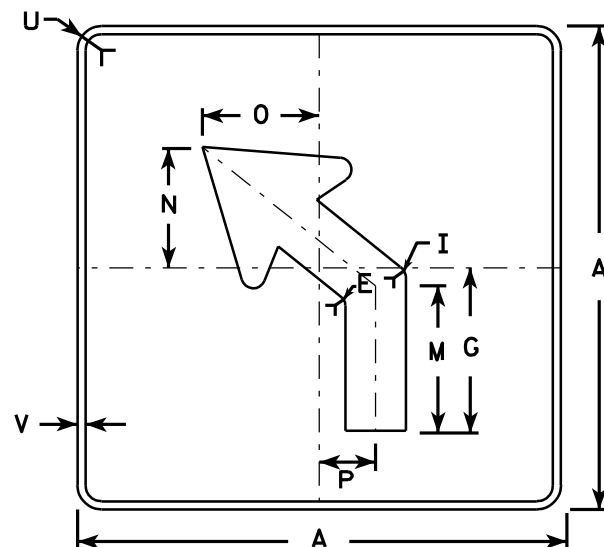
M5-1L
MK5-1L
MM5-1L
MO5-1L
MR5-1L



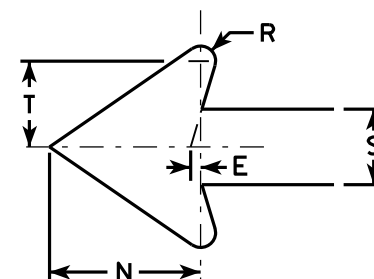
M5-2L
MK5-2L
MM5-2L
MO5-2L
MR5-2L



MB5-1L
MG5-1L
MN5-1L



MB5-2L
MG5-2L
MN5-2L



Metric equivalent
for this sign is:

SIZE	
1	
2	525 mm X 525 mm
3	750 mm X 750 mm
4	750 mm X 750 mm
5	750 mm X 750 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m ²
1																												
2	21		1 1/8	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3	1 1/2	1/2					3.06	0.28
3	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25	0.56
4	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25	0.56
5	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25	0.56

PROJECT NO:	HWY:	COUNTY:	SHEET NO: 136	E
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NOTES

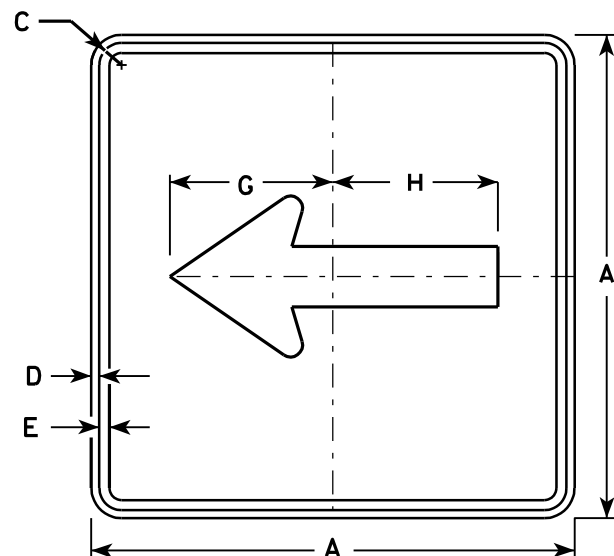
- Signs are Type II - See Note 4 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- Color:
Background - See note 4
Message - See note 4
- Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- M5-1 and M5-2 Background - White - Type H Reflective (Detour or temporary Signs - Reflective)
Message - Black
MB5-1 and MB5-2 Background - Blue
Message - White - Type H Reflective (Detour or temporary Signs - Reflective)
MG5-1 and MG5-2 Background - Green
Message - White - Type H Reflective
MK5-1 and MK5-2 Background - Green
Message - White Type H Reflective
MM5-1 and MM5-2 Background - White - Type H Reflective
Message - Green
MN5-1 and MN5-2 Background - Brown
Message - White - Type H Reflective
MO5-1 and MO5-2 Background - Orange - Reflective
Message - Black
MR5-1 and MR5-2 Background - Brown
Message - Yellow - Type H Reflective
- M5-1R same as M5-1L except arrow points right.
- M5-2R same as M5-2L except arrow tilts right.

STANDARD SIGN
M5-1 & M5-2

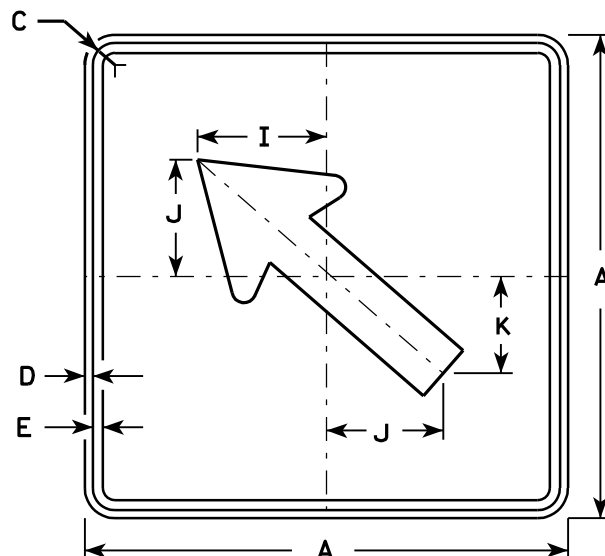
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

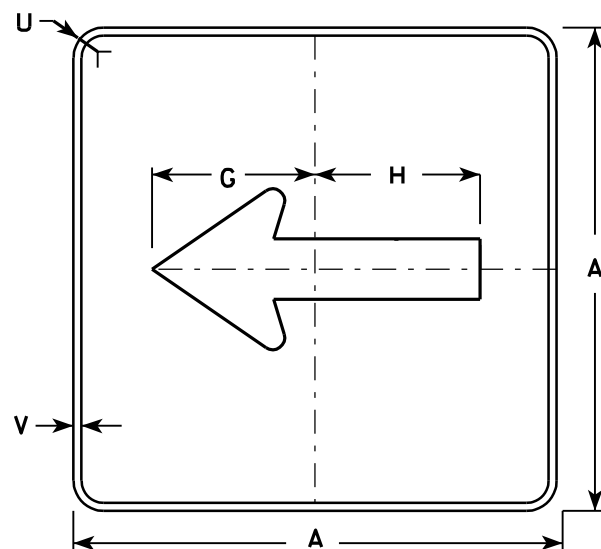
DATE 3/16/10 PLATE NO. M5-1.11



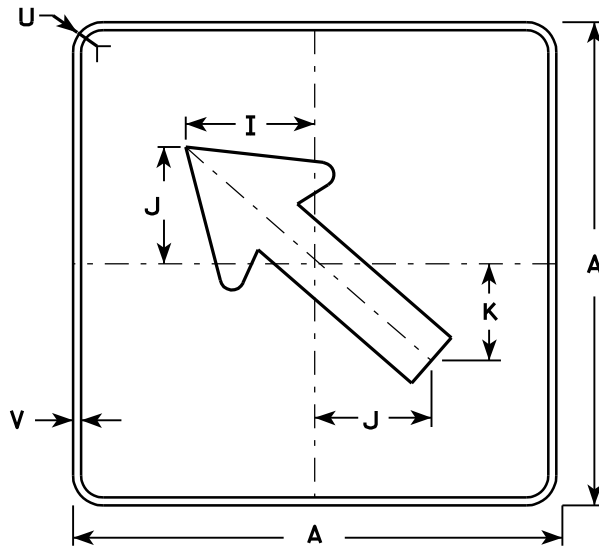
M6-1
MK6-1
MM6-1
MO6-1
MR6-1



M6-2
MK6-2
MM6-2
MO6-2
MR6-2



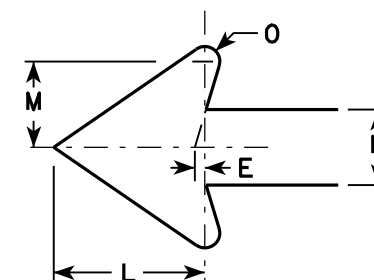
MB6-1
MG6-1
MN6-1



MB6-2
MG6-2
MN6-2

NOTES

- Signs are Type II - See Note 4 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- Color:
Background - See note 4
Message - See note 4
- Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- M6-1 and M6-2 Background - White - Type H Reflective
(Detour or temporary Signs - Reflective)
Message - Black
MB6-1 and MB6-2 Background - Blue
Message - White - Type H Reflective
(Detour or temporary Signs - Reflective)
MG6-1 and MG6-2 Background - Green
Message - White - Type H Reflective
MK6-1 and MK6-2 Background - Green
Message - White - Type H Reflective
MM6-1 and MM6-2 Background - White - Type H Reflective
Message - Green
MN6-1 and MN6-2 Background - Brown
Message - White - Type H Reflective
MO6-1 and MO6-2 Background - Orange - Reflective
Message - Black
MR6-1 and MR6-2 Background - Brown
Message - Yellow - Type H Reflective

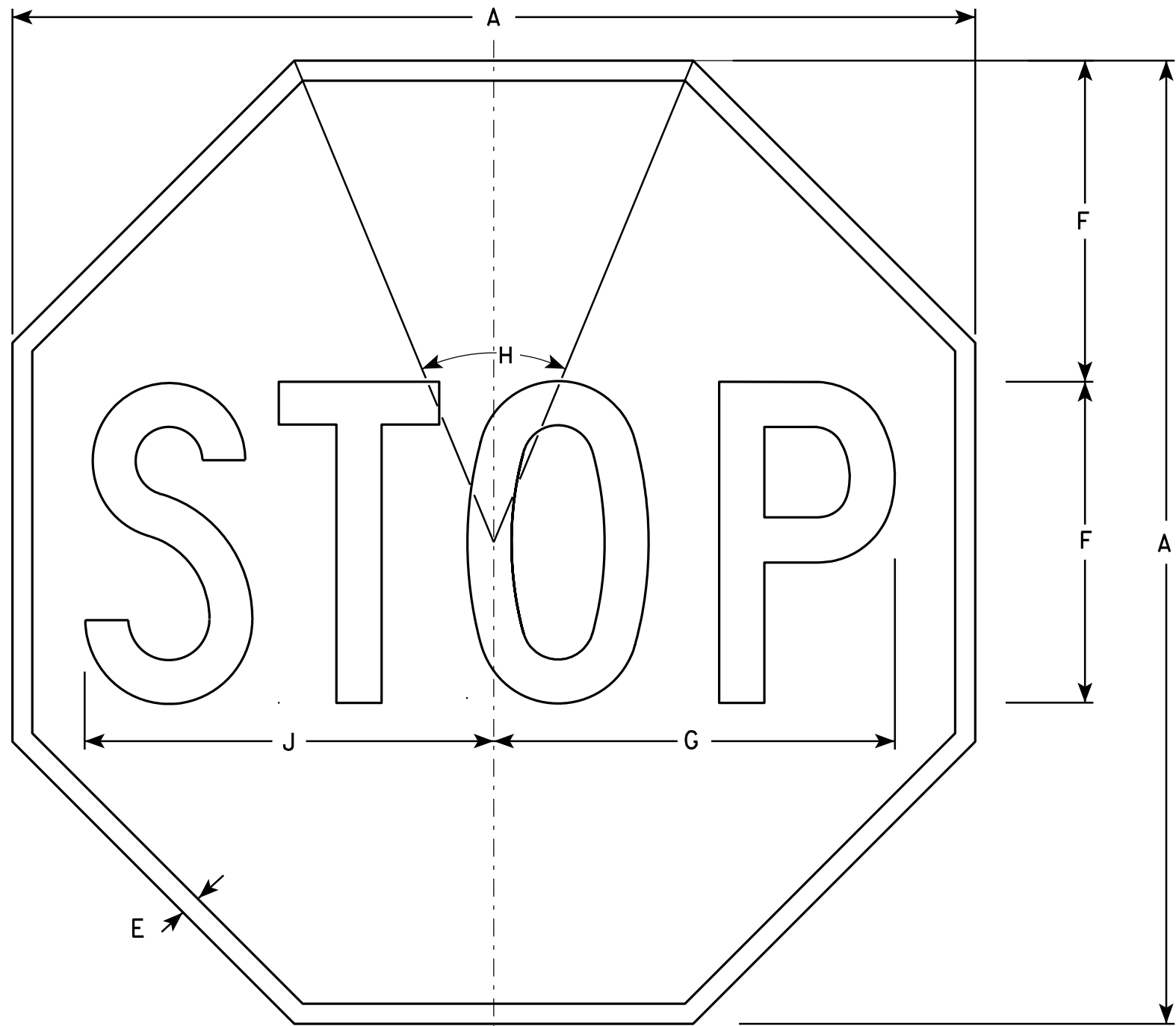


Metric equivalent
for this sign is:

SIZE	
1	
2	525 mm X 525 mm
3	750 mm X 750 mm
4	750 mm X 750 mm
5	750 mm X 750 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2					3.06	0.28
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25	0.56
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25	0.56
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25	0.56

PROJECT NO: HWY: COUNTY: SHEET NO: 137 E



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Red
Message - White
3. Message Series - C

R1-1

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24				3/8	8	10	45°		10 1/4																	3.31
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

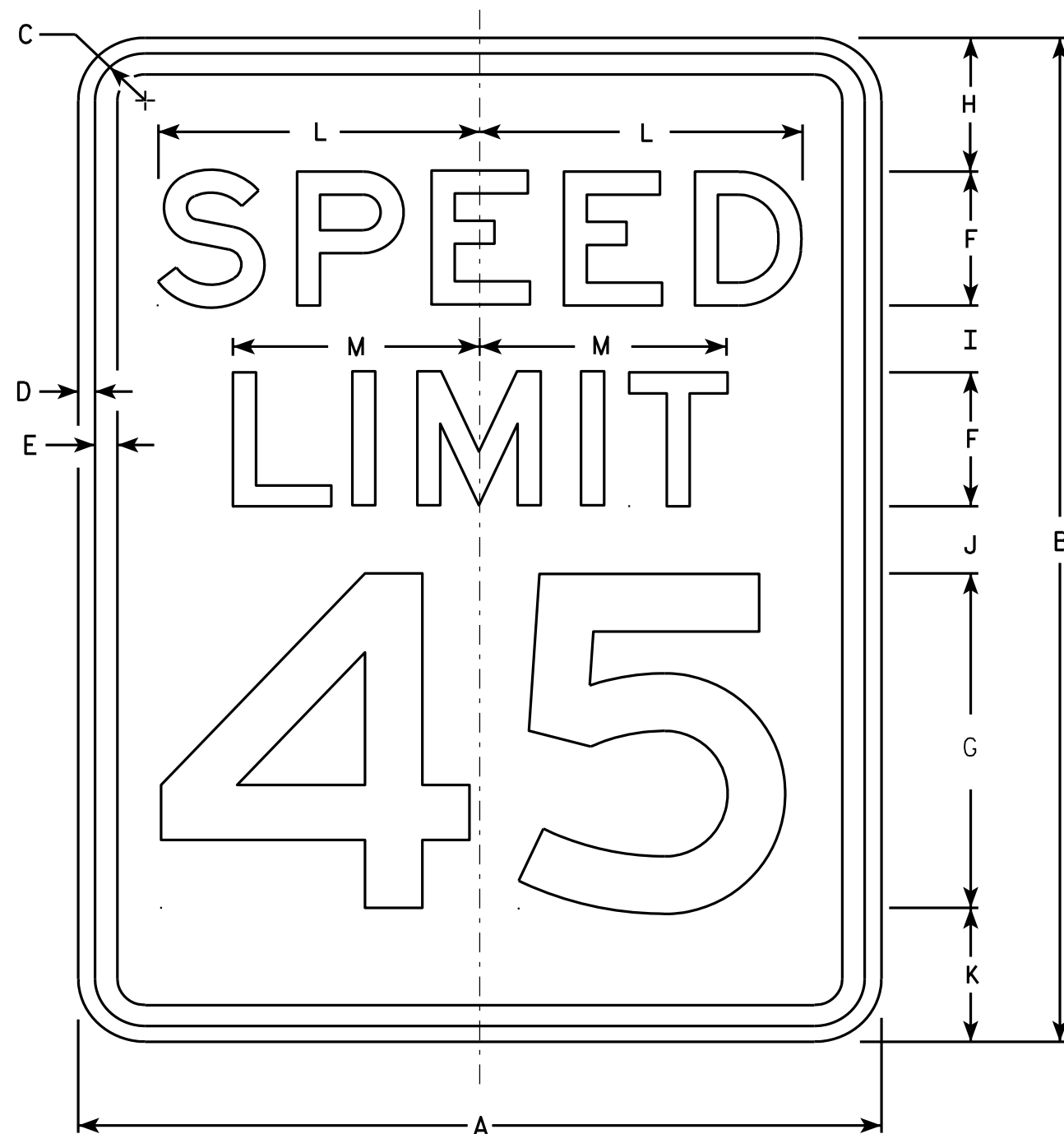
STANDARD SIGN
R1 - 1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-1.12

PROJECT NO:	HWY:	COUNTY:	SHEET NO: 138	E
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NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - White
Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

R2-1

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

STANDARD SIGN R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

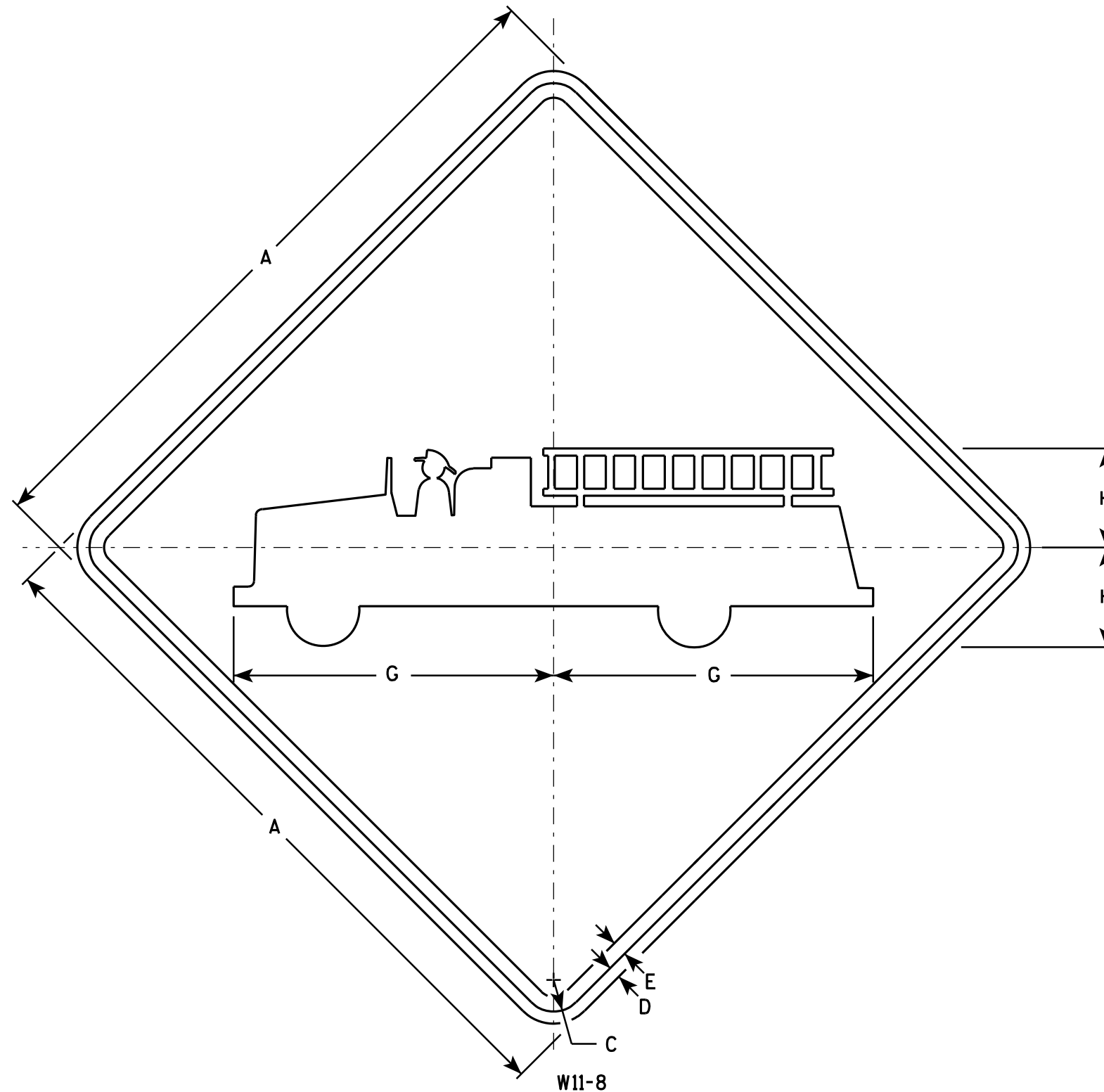
PROJECT NO:

HWY:

COUNTY:

SHEET NO: 139

E

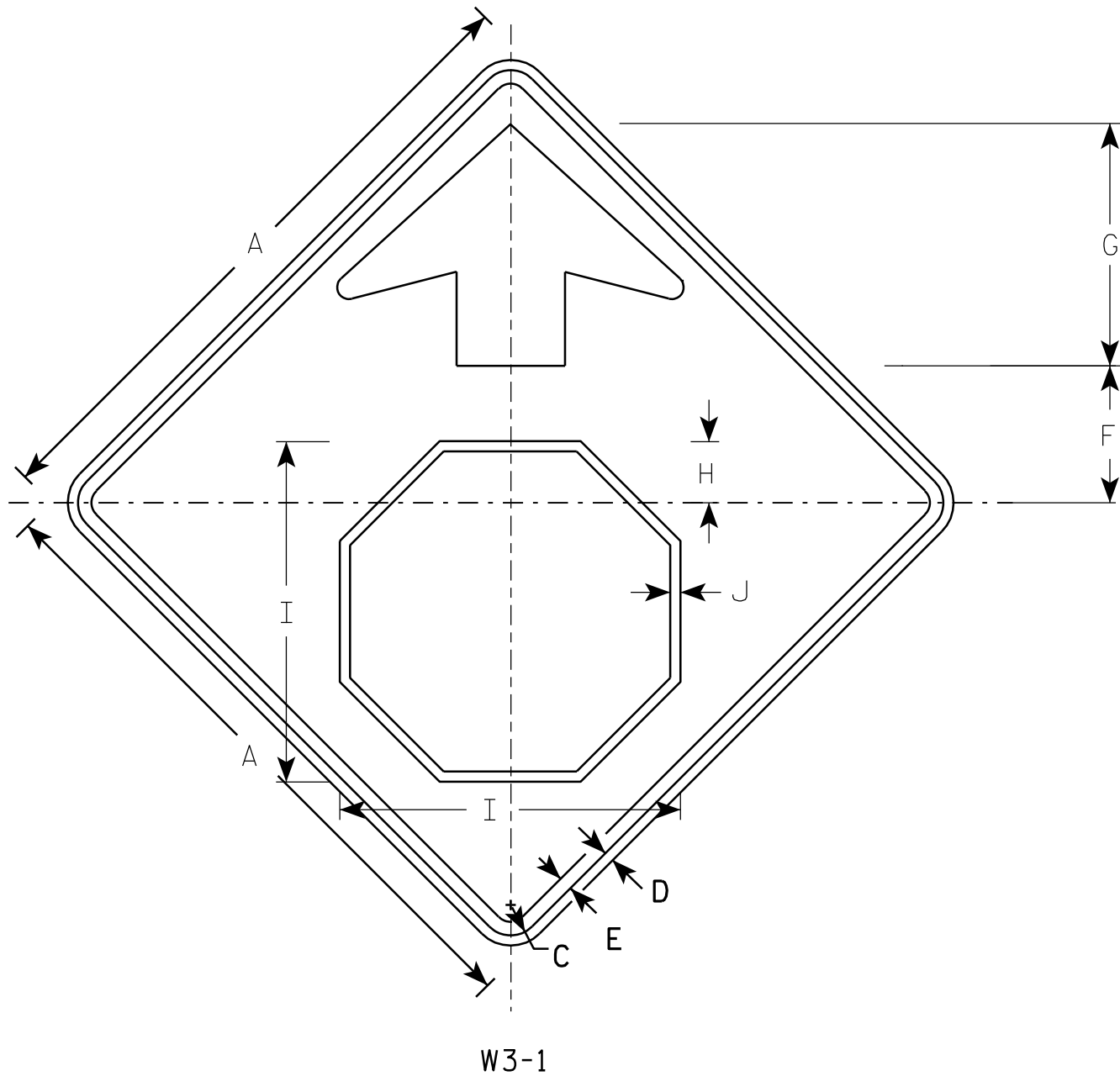


NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Yellow
Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

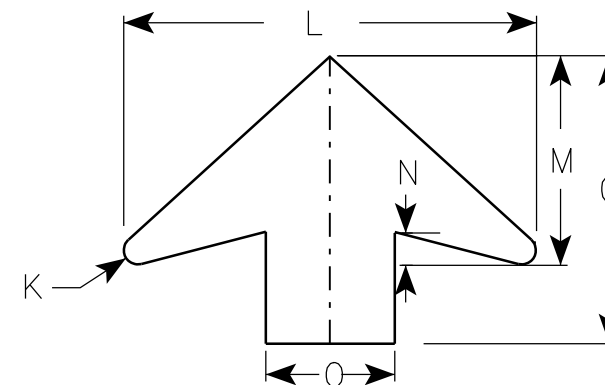
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2		11	3 3/8																			4.0
2S	30		1 3/8	1/2	5/8		13 3/4	4 3/8																			6.25
2M	30		1 3/8	1/2	5/8		13 3/4	4 3/8																			6.25
3	36		1 5/8	5/8	3/4		16 1/2	5 1/4																			9.0
4	48		2 1/4	3/4	1		22	7																			16.0
5																											

STANDARD SIGN	
W11-8	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	<i>Matthew R. Rauch</i> for State Traffic Engineer
DATE <u>3/16/11</u>	PLATE NO. <u>W11-8.6</u>



NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - YELLOW
Arrow & Border - BLACK
Stop Symbol - WHITE BORDER ON RED BACKGROUND



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	6 1/4	11 1/4	2 7/8	15 3/4	1/2	1/2	16	8	1 1/4	5												6.25
2S	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
2M	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
3	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
4	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
5	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0

PROJECT NO:

STANDARD SIGN
W3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer
DATE 6/7/10 PLATE NO. W3-1.12

SHEET NO: 141

E

STH 153 MAINLINE - CATEGORY 0010																					
STATION	Real Station	Distance	AREA (SF)						Incremental Vol (CY) (Unadjusted)						Cumulative Vol (CY)						Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	Marsh Exc	Marsh Disposal	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	Marsh Exc	Marsh Disposal	EBS	Cut	Expanded Fill	Expanded Marsh Backfill	Expanded EBS Backfill	Reduced Marsh in Fill	Reduced EBS in Fill	
1.00	1.25	1.50	1.25	0.6	0.8																
Note 1	Note 2	Note 3	Note 1	Note 4	Note 5	Note 6	Note 7	Note 8													
1270+00	127000.00	---	74	11	45	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1270+50	127050.00	50.00	122	11	22	0	0	0	181.11	20.37	62.13	0.00	0.00	0.00	181.11	77.66	0.00	0.00	0.00	0.00	83.08
1271+00	127100.00	50.00	179	11	11	0	0	0	278.70	20.37	30.28	0.00	0.00	0.00	459.81	115.51	0.00	0.00	0.00	0.00	303.56
1271+50	127150.00	50.00	134	11	0	0	0	0	247.22	20.37	0.00	0.00	0.00	0.00	707.04	115.51	0.00	0.00	0.00	0.00	530.42
1272+00	127200.00	50.00	84	11	1	0	0	0	201.30	20.37	0.74	0.00	0.00	0.00	908.33	116.44	0.00	0.00	0.00	0.00	710.42
1272+50	127250.00	50.00	93	11	0	0	0	0	163.89	20.37	0.83	0.00	0.00	0.00	1,072.22	117.48	0.00	0.00	0.00	0.00	852.89
1273+00	127300.00	50.00	104	11	0	0	0	0	182.41	20.37	0.09	0.00	0.00	0.00	1,254.63	117.59	0.00	0.00	0.00	0.00	1,014.81
1273+50	127350.00	50.00	110	11	0	0	0	0	198.15	20.37	0.00	0.00	0.00	0.00	1,452.78	117.59	0.00	0.00	0.00	0.00	1,192.59
1274+00	127400.00	50.00	114	11	0	0	0	0	207.31	20.37	0.00	0.00	0.00	0.00	1,660.09	117.59	0.00	0.00	0.00	0.00	1,379.54
1274+50	127450.00	50.00	187	11	0	0	0	0	278.06	20.37	0.00	0.00	0.00	0.00	1,938.15	117.59	0.00	0.00	0.00	0.00	1,637.22
1275+00	127500.00	50.00	120	11	0	0	0	0	283.33	20.37	0.00	0.00	0.00	0.00	2,221.48	117.59	0.00	0.00	0.00	0.00	1,900.19
1275+50	127550.00	50.00	113	11	0	0	0	0	209.81	20.37	0.00	0.00	0.00	0.00	2,431.30	117.59	0.00	0.00	0.00	0.00	2,089.63
1276+00	127600.00	50.00	113	11	0	0	0	0	209.81	20.37	0.00	0.00	0.00	0.00	2,641.11	117.59	0.00	0.00	0.00	0.00	2,279.07
1276+50	127650.00	50.00	107	11	0	0	0	0	197.22	20.37	0.00	0.00	0.00	0.00	2,838.33	117.59	0.00	0.00	0.00	0.00	2,455.93
1277+00	127700.00	50.00	110	11	0	0	0	0	200.09	20.37	0.00	0.00	0.00	0.00	3,038.43	117.59	0.00	0.00	0.00	0.00	2,635.65
1277+50	127750.00	50.00	128	11	0	0	0	0	236.48	20.37	0.00	0.00	0.00	0.00	3,274.91	117.59	0.00	0.00	0.00	0.00	2,851.76
1278+00	127800.00	50.00	52	11	34	0	122	0	96.30	20.37	31.20	0.00	112.50	0.00	3,371.20	156.60	0.00	0.00	0.00	0.00	2,888.68
1278+50	127850.00	50.00	13	11	69	452	122	62	23.52	20.37	94.72	418.52	225.00	57.41	3,394.72	275.00	627.78	71.76	251.11	45.93	2,773.43
1279+00	127900.00	50.00	0	11	114	887	0	64	11.76	20.37	169.17	1,239.81	112.50	116.67	3,406.48	486.46	2,487.50	217.59	0.00	139.26	2,553.36
1279+33	127933.00	33.00	0	11	115	1,028	0	60	0.00	13.44	140.01	1,170.28	0.00	75.78	3,406.48	661.47	4,242.92	312.31	0.00	199.88	2,364.91
1279+50	127950.00	17.00	0	11	115	961	0	60	0.00	6.93	72.41	626.17	0.00	37.78	3,406.48	576.97	3,426.75	264.81	0.00	169.48	2,455.92
1280+00	128000.00	50.00	9	11	59	436	0	60	8.33	20.37	109.26	1,293.52	0.00	111.11	3,414.81	713.54	5,367.03	403.70	0.00	258.37	2,307.31
1280+50	128050.00	50.00	49	11	12	0	0	0	91.11	20.37	21.48	403.70	0.00	55.56	3,505.93	740.39	5,972.58	473.15	0.00	302.81	2,351.20
1281+00	128100.00	50.00	74	11	0	0	0	0	113.80	20.37	11.02	0.00	0.00	0.00	3,619.72	754.17	5,972.58	473.15	0.00	302.81	2,430.85
1281+50	128150.00	50.00	81	11	0	0	0	0	143.15	20.37	0.37	0.00	0.00	0.00	3,762.87	754.63	5,972.58	473.15	0.00	302.81	2,553.17
1282+00	128200.00	50.00	66	11	2	0	0	0	136.39	20.37	2.22	0.00	0.00	0.00	3,899.26	757.41	5,972.58	473.15	0.00	302.81	2,666.41
1282+50	128250.00	50.00	78	11	1	0	0	0	134.07	20.37	2.96	0.00	0.00	0.00	4,033.33	761.11	5,972.58	473.15	0.00	302.81	2,776.41
1283+00	128300.00	50.00	70	11	2	0	0	0	137.50	20.37	2.59	0.00	0.00	0.00	4,170.83	764.35	5,972.58	473.15	0.00	302.81	2,890.30
1283+50	128350.00	50.00	65	11	1	0	0	0	124.72	20.37	2.41	0.00	0.00	0.00	4,295.56	767.36	5,972.58	473.15	0.00	302.81	2,991.64
1284+00	128400.00	50.00	114	11	6	0	0	0	165.28	20.37	6.02	0.00	0.00	0.00	4,460.83	774.88	5,972.58	473.15	0.00	302.81	3,129.02
1284+50	128450.00	50.00	65	11	8	0	0	0	165.28	20.37	12.59	0.00	0.00	0.00	4,626.11	790.63	5,972.58	473.15	0.00	302.81	3,258.19
1285+00	128500.00	50.00	85	11	1	0	0	0	157.78	20.37	2.59	0.00	0.00	0.00	4,783.89	793.87	5,972.58	473.15	0.00	302.81	3,392.36
1285+50	128550.00	50.00	105	11	0	0	0	0	193.52	20.37	0.00	0.00	0.00	0.00	4,977.41	793.87	5,972.58	473.15	0.00	302.81	3,565.50
1286+00	128600.00	50.00	115	11	0	0	0	0	203.52	20.37	0.00	0.00	0.00	0.00	5,180.93	793.87	5,972.58	473.15	0.00	302.81	3,748.65
1286+50	128650.00	50.00	185	11	0	0	0	0	277.78	20.37	0.00	0.00	0.00	0.00	5,458.70	793.87	5,972.58	473.15	0.00	302.81	4,006.06
1287+00	128700.00	50.00	120	11	0	0	0	0	222.96	20.37	0.00	0.00	0.00	0.00	5,681.67	793.87	5,972.58	473.15	0.00	302.81	4,208.65
1287+50	128750.00	50.00	110	11	0	0	0	0	213.70	20.37	0.00	0.00	0.00	0.00	5,895.37	793.87	5,972.58	473.15	0.00	302.81	4,401.99
1288+00	128800.00	50.00	93	11	0	0	0	0	172.41	20.37	0.00	0.00	0.00	0.00	6,067.78	793.87	5,972.58	473.15	0.00	302.81	4,554.02
1288+50	128850.00	50.00	87	11	1	0	0	0	161.85	20.37	1.30	0.00	0.00	0.00	6,229.63	795.49	5,972.58	473.15	0.00	302.81	4,693.88
1289+00	128900.00	50.00	86	11	2	0	0	0	159.07	20.37	2.96	0.00	0.00	0.00	6,388.70	799.19	5,972.58	473.15	0.00	302.81	4,828.88
1289+50	128950.00	50.00	88	11	0	0	0														

STH 153 MAINLINE - CATEGORY 0010 - CONTINUED

STATION	Real Station	Distance	AREA (SF)						Incremental Vol (CY) (Unadjusted)						Cumulative Vol (CY)						Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	Marsh Exc	Marsh Disposal	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	Marsh Exc	Marsh Disposal	EBS	Cut	Expanded Fill	Expanded Marsh Backfill	Expanded EBS Backfill	Reduced Marsh in Fill	Reduced EBS in Fill	
1.00	1.25	1.50	1.25	0.6	0.8																
Note 1	Note 2	Note 3	Note 1	Note 4	Note 5	Note 6	Note 7	Note 8													
1292+50	129250.00	50.00	81	11	10	0	0	0	153.80	20.37	17.13	0.00	0.00	0.00	7,549.81	851.27	5,972.58	473.15	0.00	302.81	5,795.32
1293+00	129300.00	50.00	80	11	7	0	0	0	148.61	20.37	16.39	0.00	0.00	0.00	7,698.43	871.76	5,972.58	473.15	0.00	302.81	5,903.07
1293+50	129350.00	50.00	84	11	3	0	0	0	151.02	20.37	9.63	0.00	0.00	0.00	7,849.44	883.80	5,972.58	473.15	0.00	302.81	6,021.69
1294+00	129400.00	50.00	131	11	1	0	0	0	242.04	20.37	1.30	0.00	0.00	0.00	8,091.48	885.42	5,972.58	473.15	0.00	302.81	6,241.73
1294+50	129450.00	50.00	86	11	7	0	0	0	200.19	20.37	7.04	0.00	0.00	0.00	8,291.67	894.21	5,972.58	473.15	0.00	302.81	6,412.75
1295+00	129500.00	50.00	75	11	14	0	0	0	138.52	20.37	25.56	0.00	0.00	0.00	8,430.19	926.16	5,972.58	473.15	0.00	302.81	6,498.95
1295+50	129550.00	50.00	70	11	16	0	0	0	134.35	20.37	27.87	0.00	0.00	0.00	8,564.54	961.00	5,972.58	473.15	0.00	302.81	6,578.10
1296+00	129600.00	50.00	74	11	14	0	0	0	133.43	20.37	27.69	0.00	0.00	0.00	8,697.96	995.60	5,972.58	473.15	0.00	302.81	6,656.55
1296+50	129650.00	50.00	89	11	11	0	0	0	150.46	20.37	22.50	0.00	0.00	0.00	8,848.43	1,023.73	5,972.58	473.15	0.00	302.81	6,758.51
1297+00	129700.00	50.00	89	11	23	0	0	0	164.26	20.37	42.59	0.00	0.00	0.00	9,012.69	1,076.97	5,972.58	473.15	0.00	302.81	6,849.16
1297+50	129750.00	50.00	135	11	20	0	0	0	250.74	20.37	37.41	0.00	0.00	0.00	9,263.43	1,123.73	5,972.58	473.15	0.00	302.81	7,032.77
1298+00	129800.00	50.00	113	11	3	0	0	0	229.63	20.37	21.76	0.00	0.00	0.00	9,493.06	1,150.93	5,972.58	473.15	0.00	302.81	7,214.83
1298+50	129850.00	50.00	114	11	2	0	0	0	209.81	20.37	4.91	0.00	0.00	0.00	9,702.87	1,157.06	5,972.58	473.15	0.00	302.81	7,398.14
1299+00	129900.00	50.00	80	11	17	0	0	0	148.52	20.37	31.30	0.00	0.00	0.00	9,851.39	1,196.18	5,972.58	473.15	0.00	302.81	7,487.17
1299+50	129950.00	50.00	62	11	24	0	0	0	132.04	20.37	38.24	0.00	0.00	0.00	9,983.43	1,243.98	5,972.58	473.15	0.00	302.81	7,551.04
1300+00	130000.00	50.00	51	11	35	0	0	0	94.81	20.37	64.81	0.00	0.00	0.00	10,078.24	1,325.00	5,972.58	473.15	0.00	302.81	7,544.46
1300+50	130050.00	50.00	67	11	1	0	0	0	109.07	20.37	33.70	0.00	0.00	0.00	10,187.31	1,367.13	5,972.58	473.15	0.00	302.81	7,591.04
1301+00	130100.00	50.00	79	11	0	0	0	0	145.37	20.37	0.19	0.00	0.00	0.00	10,332.69	1,367.36	5,972.58	473.15	0.00	302.81	7,715.81
1301+50	130150.00	50.00	75	11	1	0	0	0	138.70	20.37	0.93	0.00	0.00	0.00	10,471.39	1,368.52	5,972.58	473.15	0.00	302.81	7,832.98
1302+00	130200.00	50.00	55	11	0	0	0	0	120.00	20.37	0.46	0.00	0.00	0.00	10,591.39	1,369.10	5,972.58	473.15	0.00	302.81	7,932.03
1302+50	130250.00	50.00	51	11	0	0	0	0	97.87	20.37	0.00	0.00	0.00	0.00	10,689.26	1,369.10	5,972.58	473.15	0.00	302.81	8,009.53
1302+87	130287.00	37.00	0	0	0	0	0	0	34.94	7.54	0.00	0.00	0.00	0.00	10,724.20	1,369.10	5,972.58	473.15	0.00	302.81	8,036.94

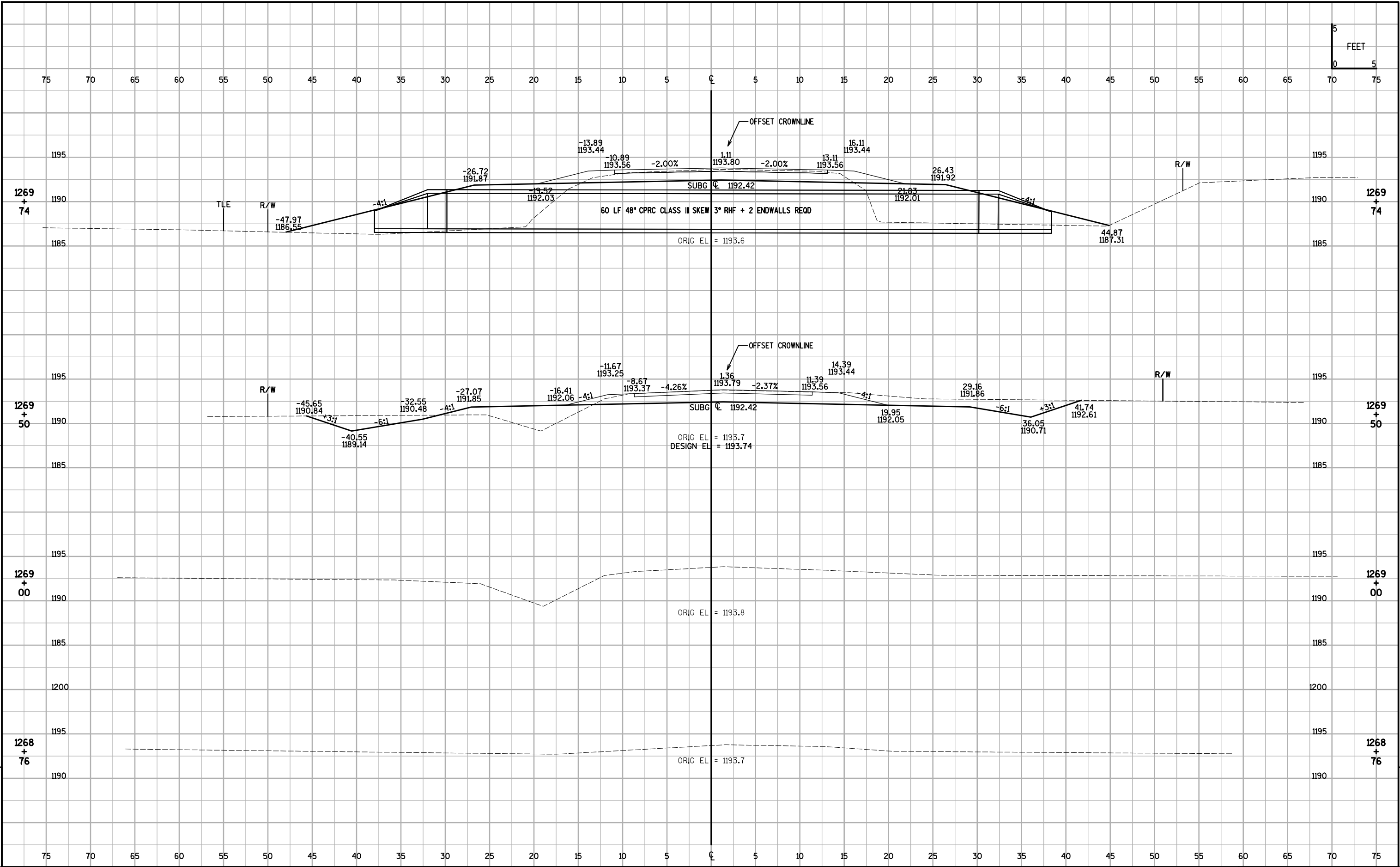
Incremental Column Totals 10724.20 1331.61 1235.28 5152.00 450.00 454.30

STH 49 - CATEGORY 0010

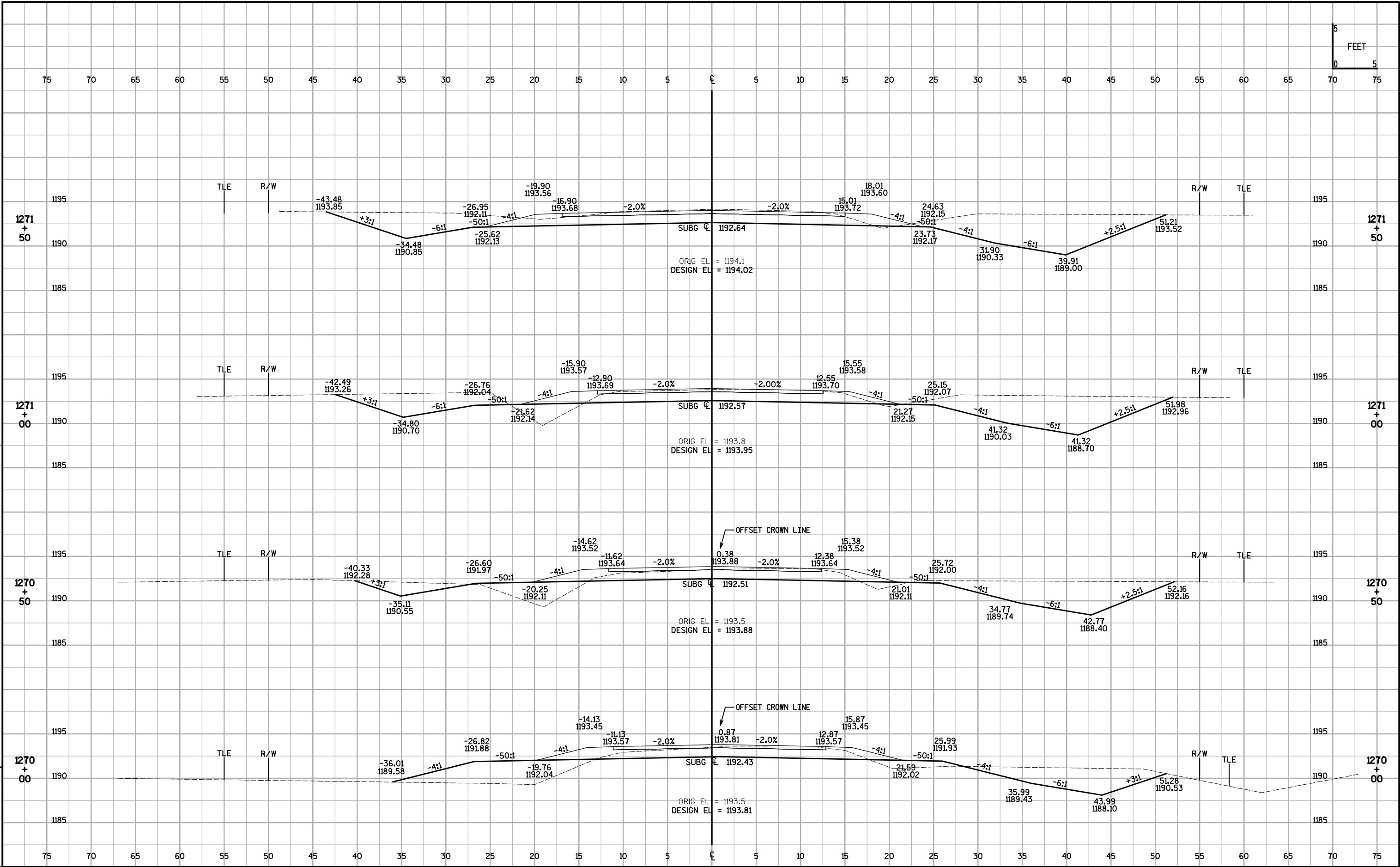
STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)		Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	
											1.00	1.25	
							Note 1	Note 2	Note 3		Note 1		Note 8
71+00	7100.00	---	0	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71+50	7150.00	50.00	0	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72+00	7200.00	50.00	18.49	0.00	3.76	0.00	17.12	0.00	3.48	0.00	17.12	4.35	12.77
72+50	7250.00	50.00	24.26	0.00	2.98	0.00	39.58	0.00	6.24	0.00	56.70	12.15	44.55
73+00	7300.00	50.00	25.97	0.00	4.05	0.00	46.51	0.00	6.51	0.00	103.21	20.29	82.92
73+50	7350.00	50.00	37.04	0.00	2.02	0.00	58.34	0.00	5.62	0.00	161.56	27.31	134.24
74+00	7400.00	50.00	30.51	0.00	1.58	0.00	62.55	0.00	3.33	0.00	224.10	31.48	192.62
74+50	7450.00	50.00	37.21	0.00	0.15	0.00	62.70	0.00	1.60	0.00	286.81	33.48	253.32
75+00	7500.00	50.00	107.59	11.00	3.93	0.00	134.07	10.19	3.78	0.00	420.88	38.21	372.49
75+50	7550.00	50.00	119.04	11.00	3.49	0.00	209.84	20.37	6.87	0.00	630.72	46.79	553.37
75+51	7551.00	1.00	0	11.00	0	0.00	2.20	0.41	0.06	0.00	632.93	46.87	555.09
76+49	7649.00	98.00	0	11.00	0	0.00	0.00	39.93	0.00	0.00	632.93	46.87	515.16
76+50	7650.00	1.00	108.82	11.00	0.07	0.00	2.02	0.41	0.00	0.00	634.94	46.88	516.77
77+00	7700.00	50.00	92.83	11.00	0	0.00	186.71	20.37	0.06	0.00	821.65	46.96	683.03
77+50	7750.00	50.00	71.75	11.00	0.02	0.00	152.39	20.37	0.02	0.00	974.04	46.98	815.03
78+00	7800.00	50.00	64.51	11.00	0.42	0.00	126.17	20.37	0.41	0.00	1100.21	47.49	920.31
78+50	7850.00	50.00	110.28	11.00	0	0.00	161.84	20.37	0.39	0.00	1262.05	47.98	1061.30
79+00	7900.00	50.00	0	11.00	0	0.00	102.11	20.37	0.00	0.00	1364.16	47.98	1143.04
79+50	7950.00	50.00	0	11.00	0	0.00	0.00	20.37	0.00	0.00	1364.16	47.98	1122.67

Incremental Column Totals 1364.16 193.52 38.38 0.00

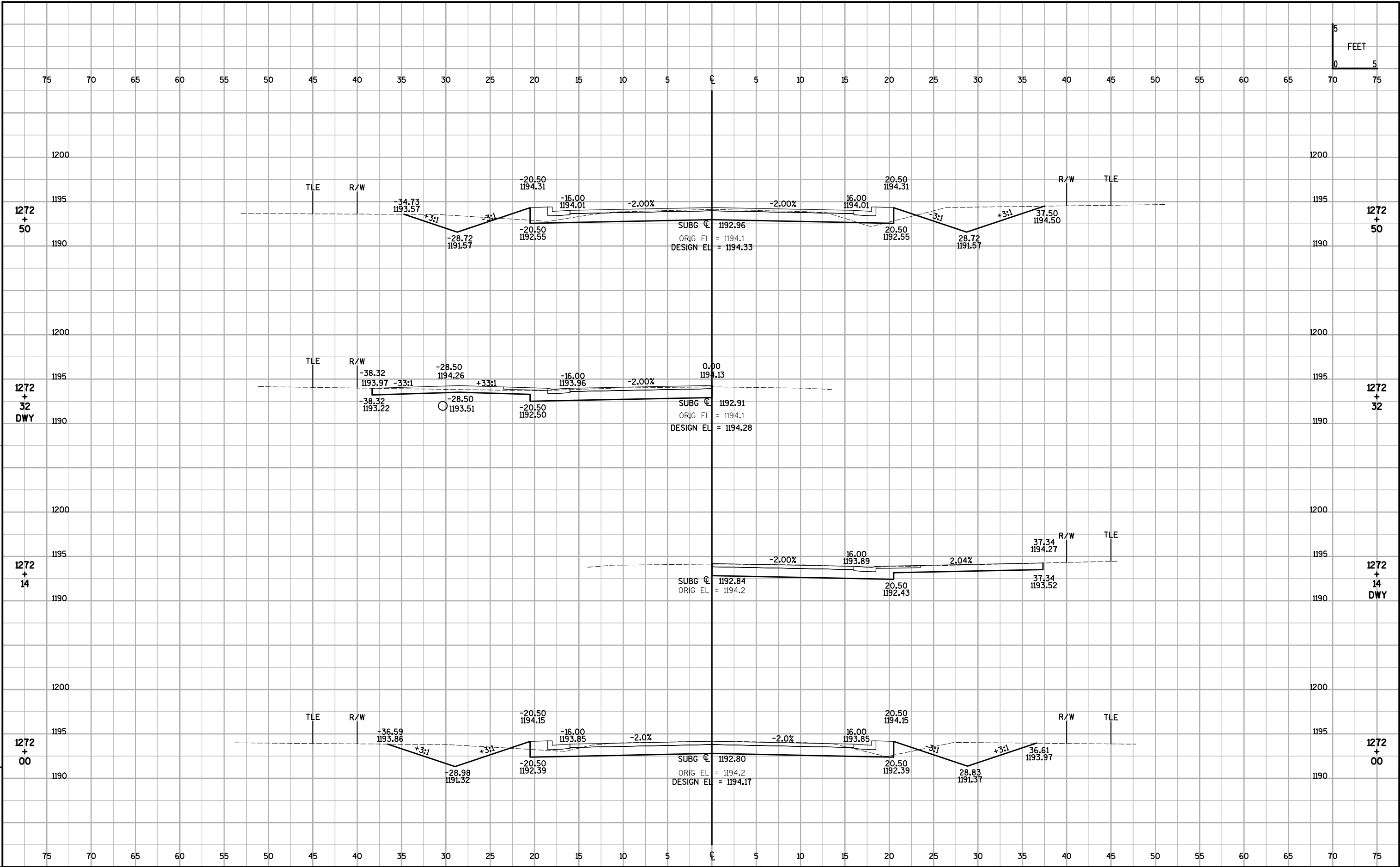
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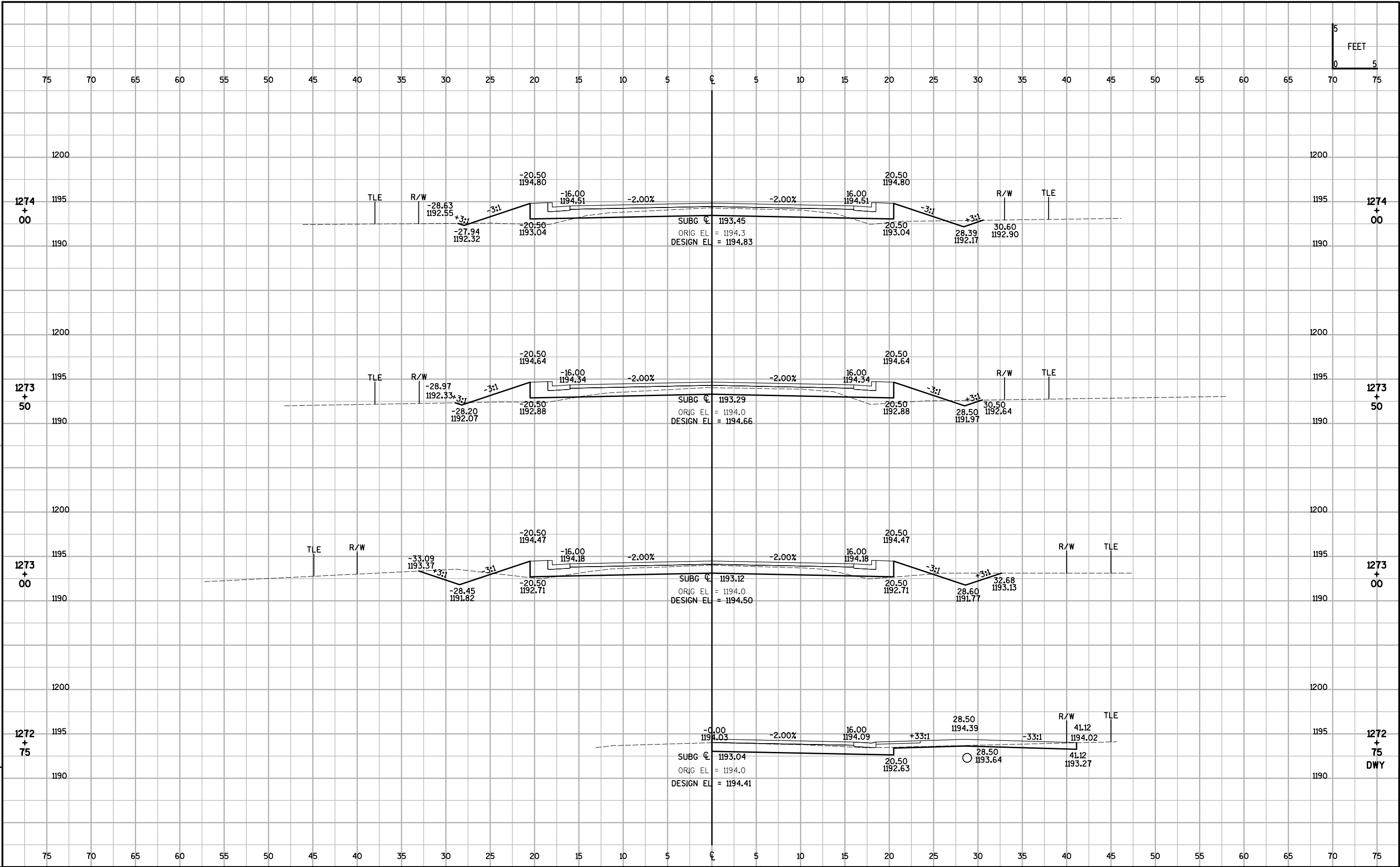
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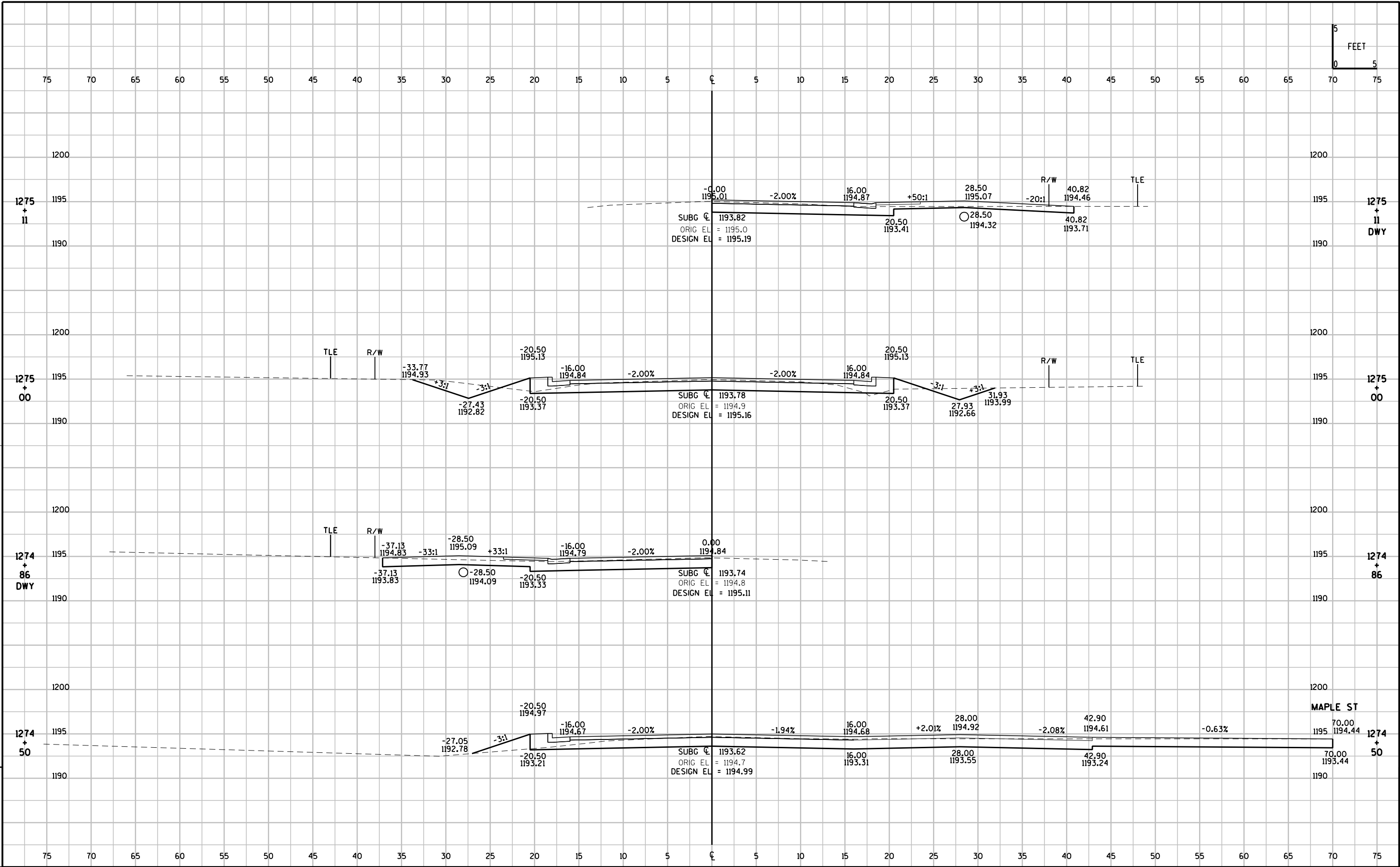
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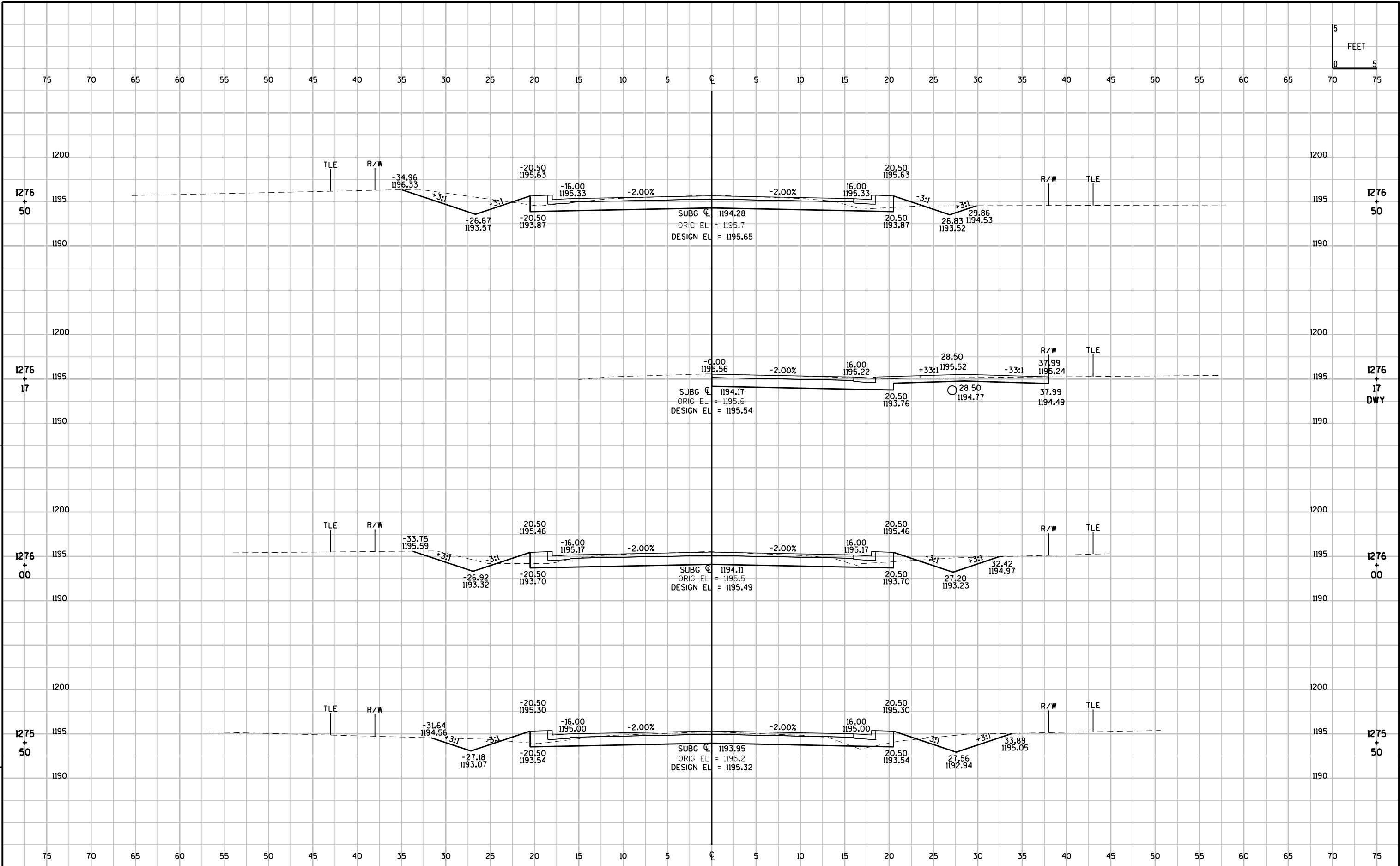
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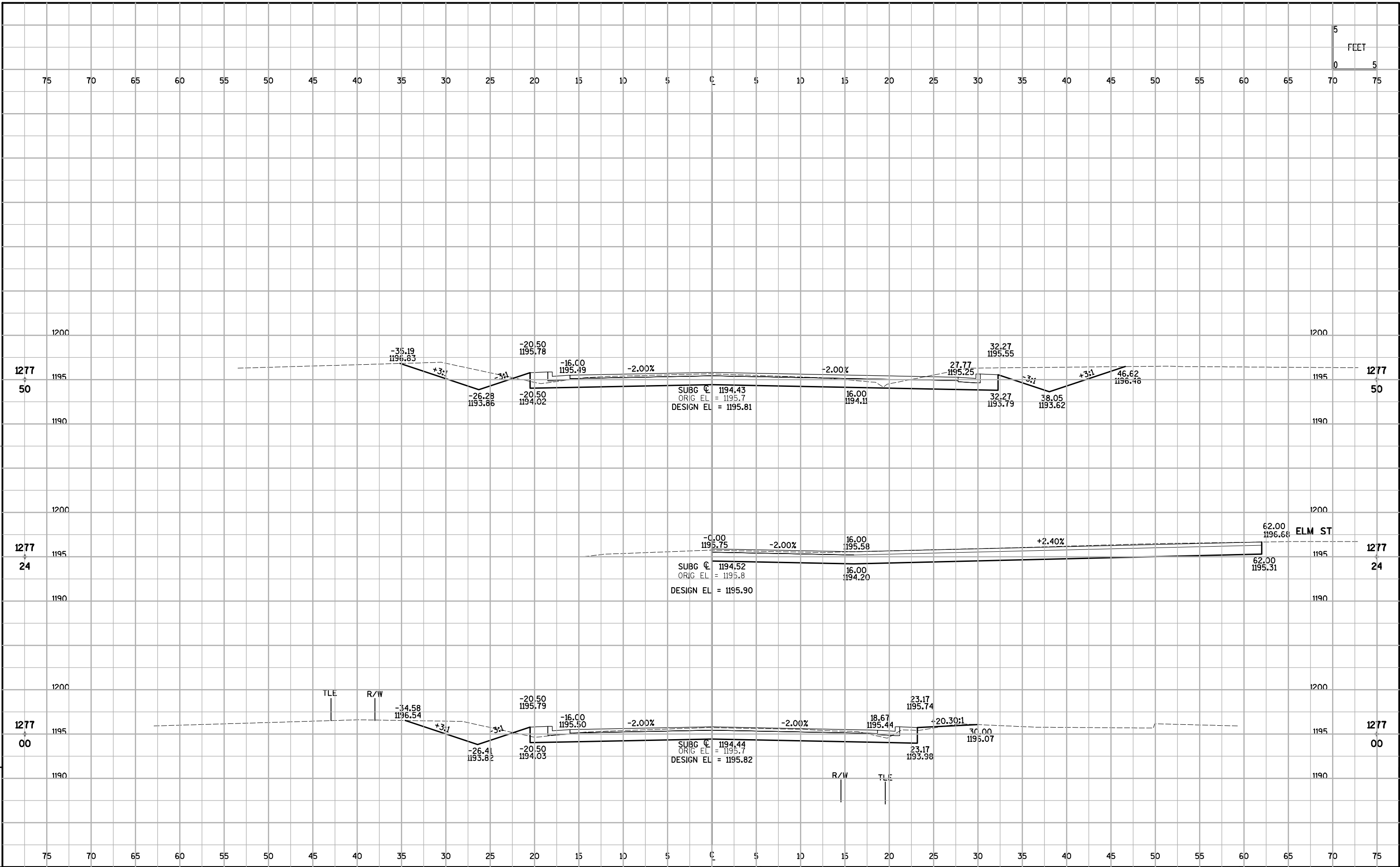
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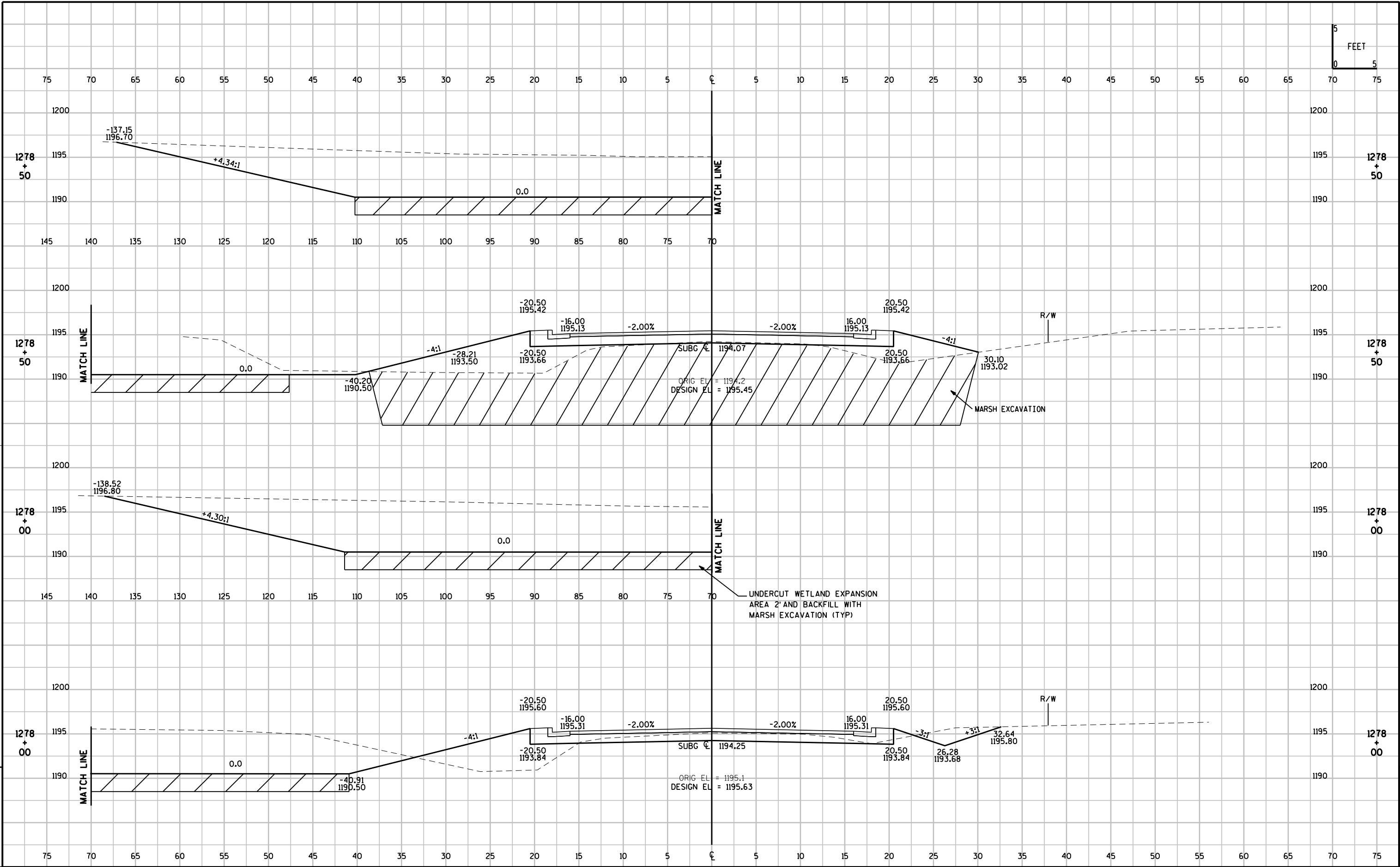
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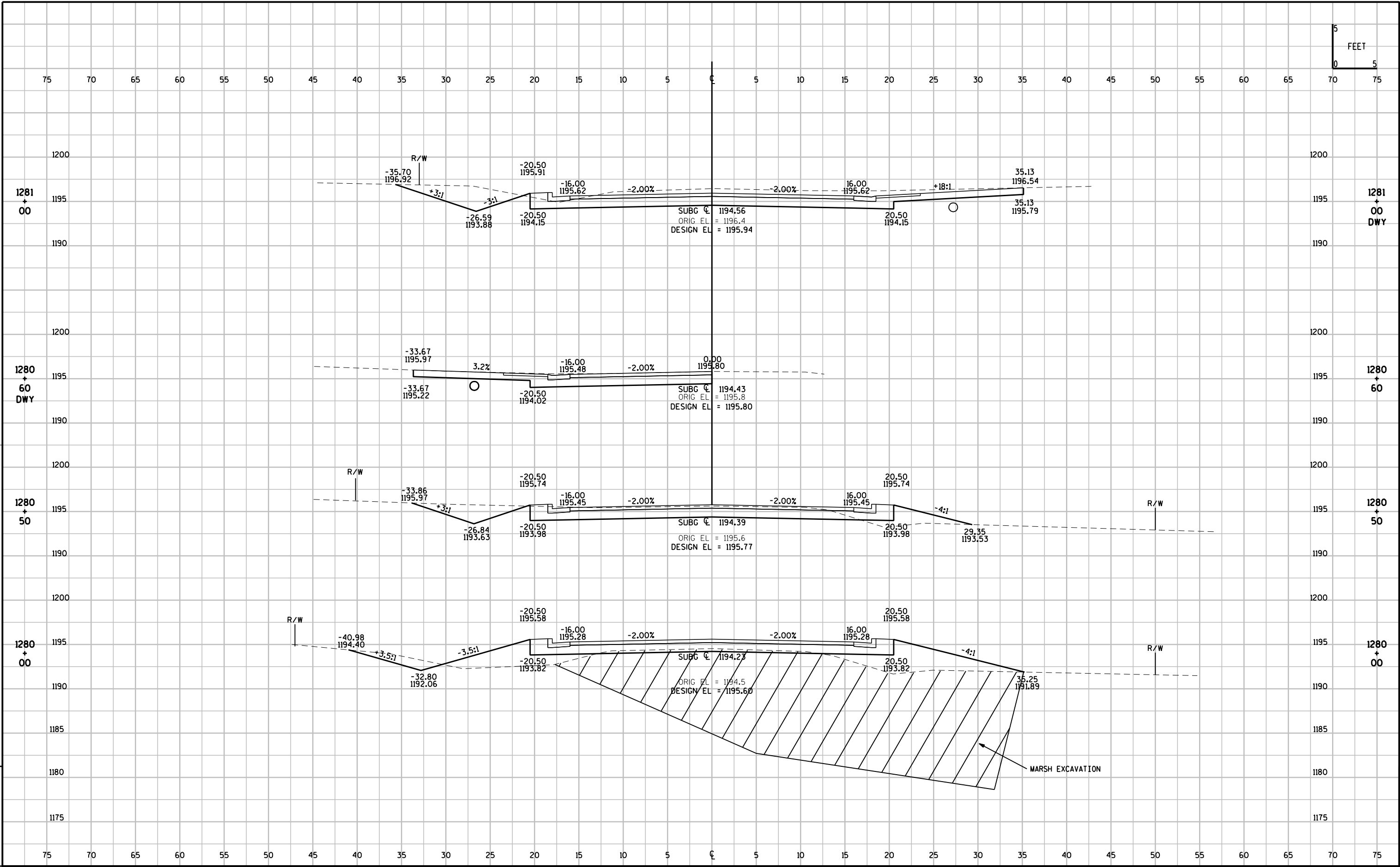
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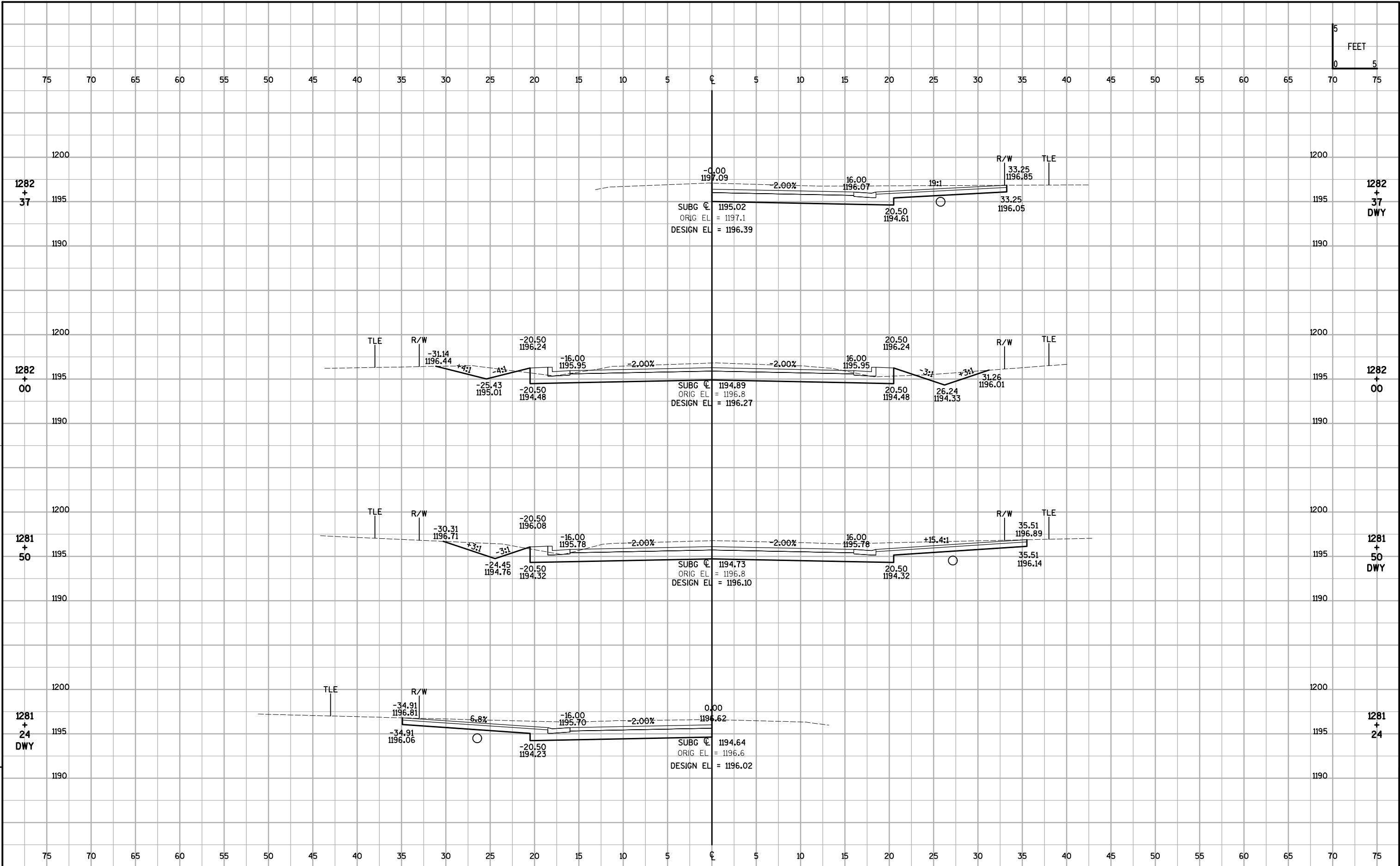
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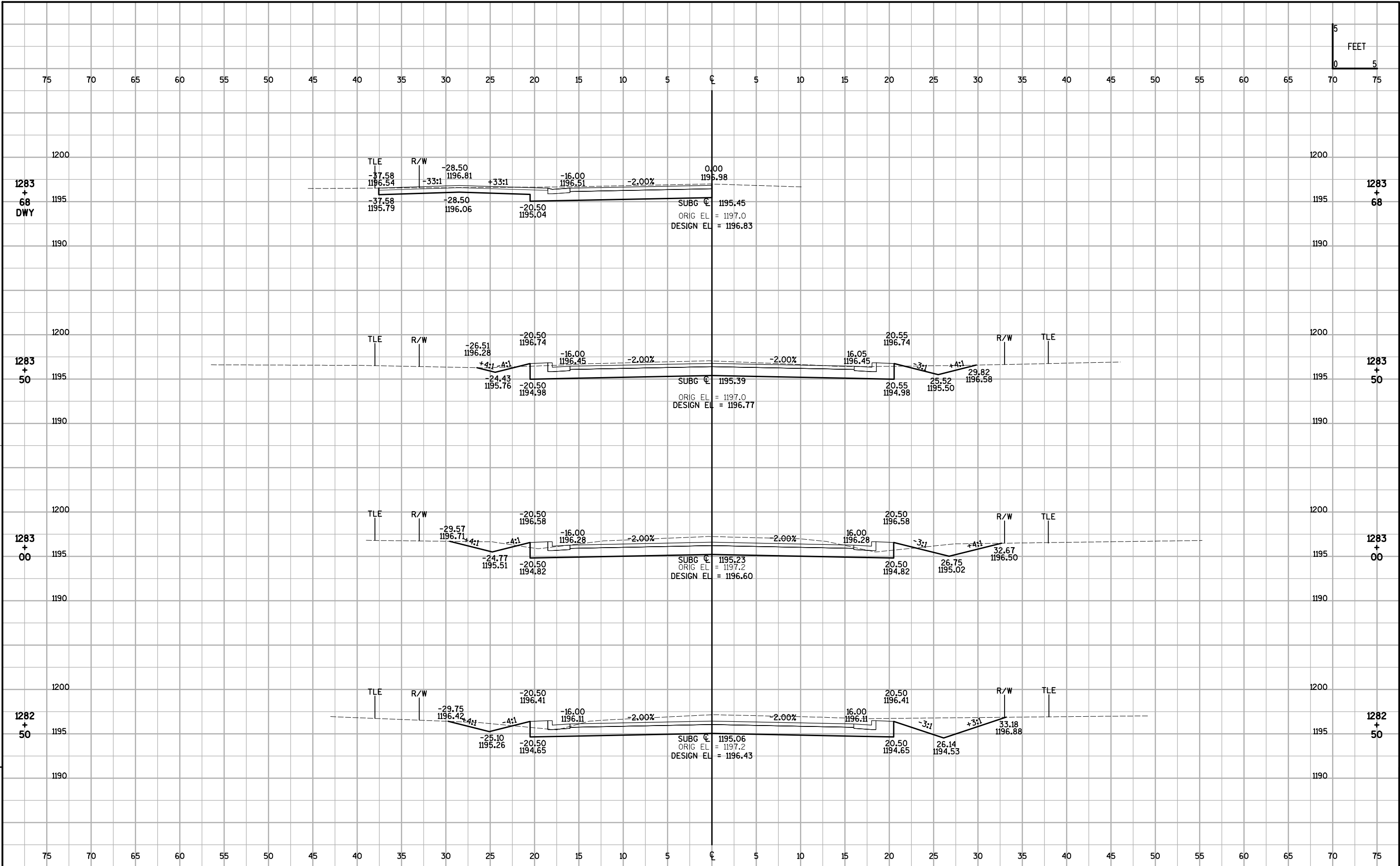
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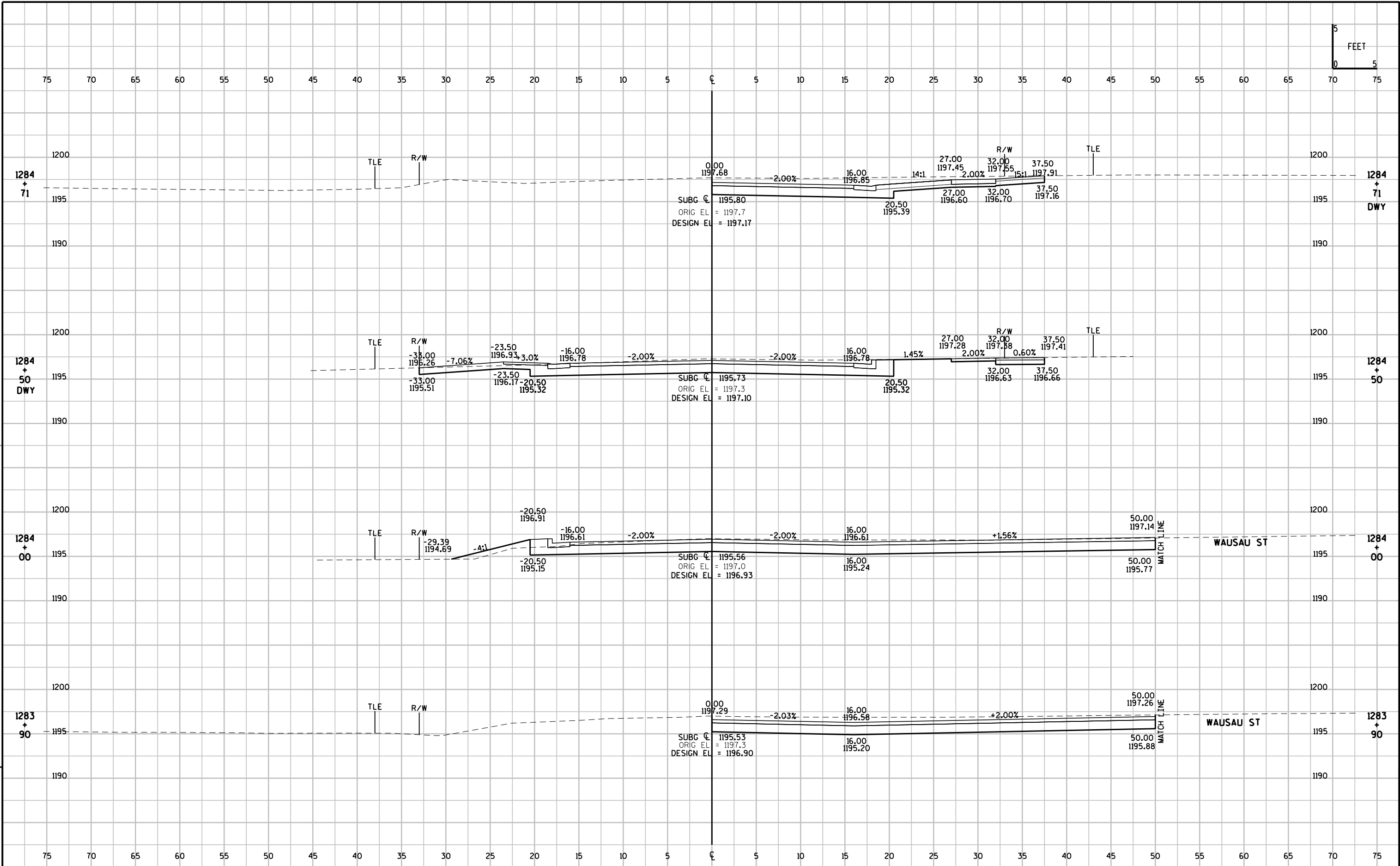
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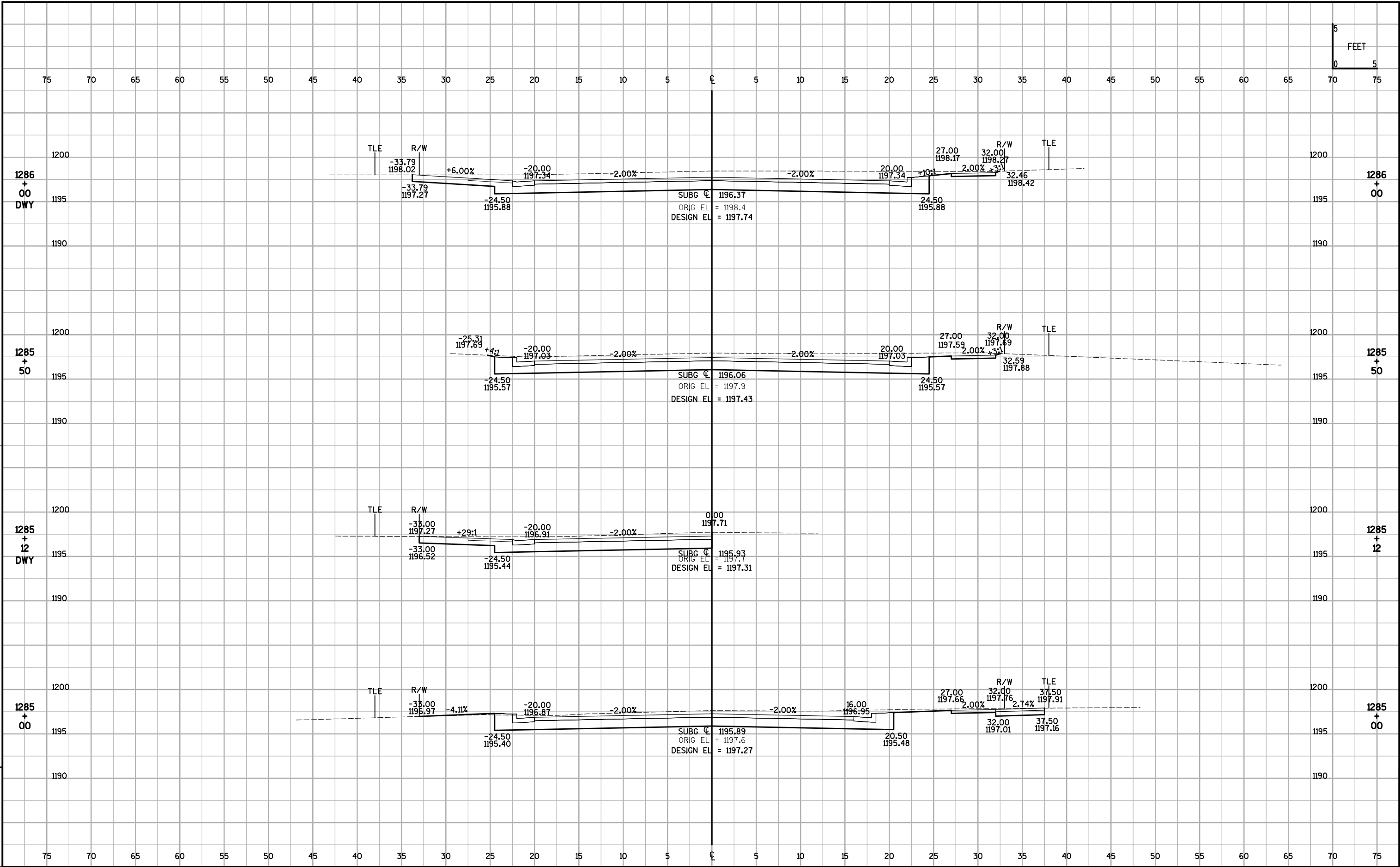
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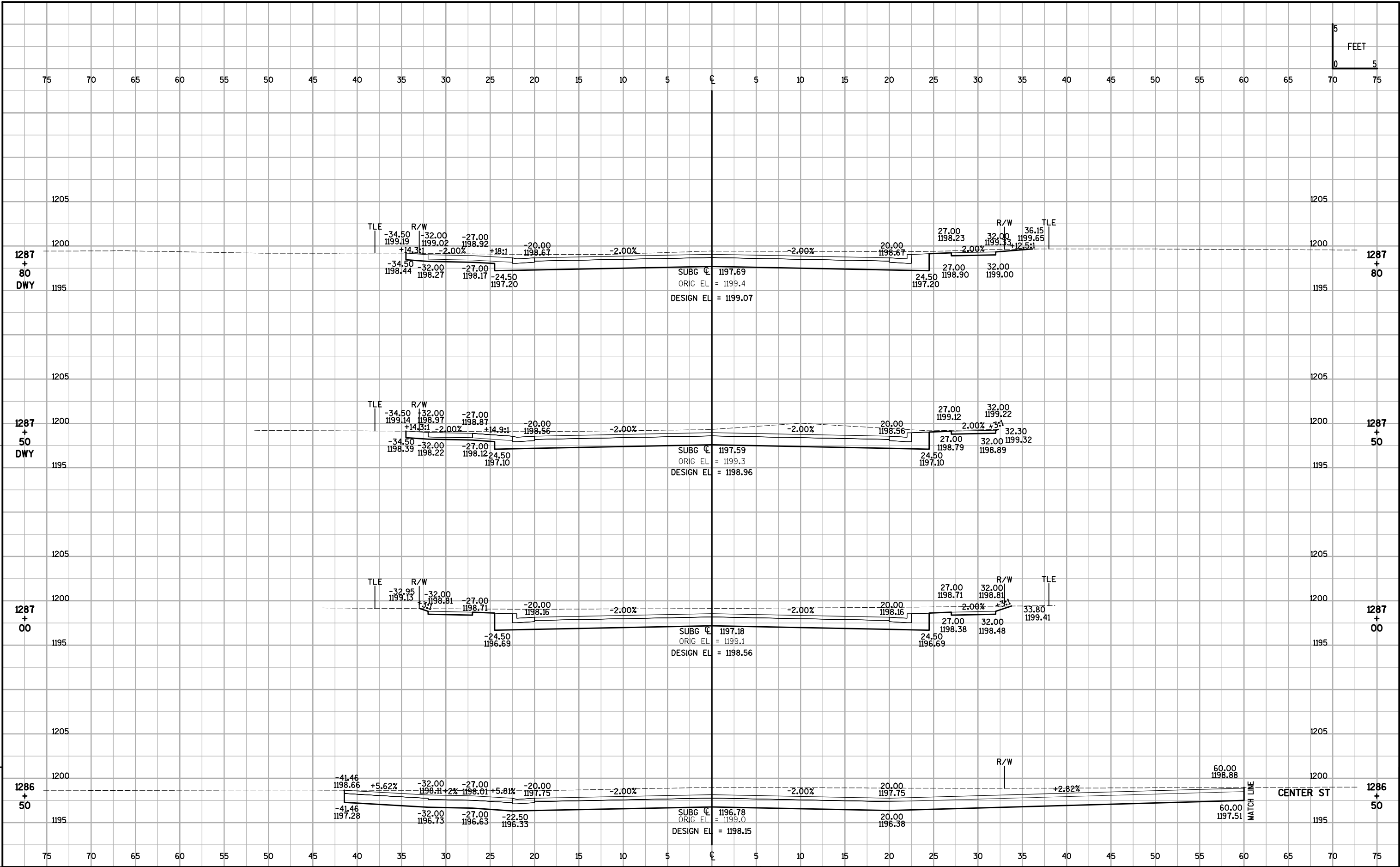
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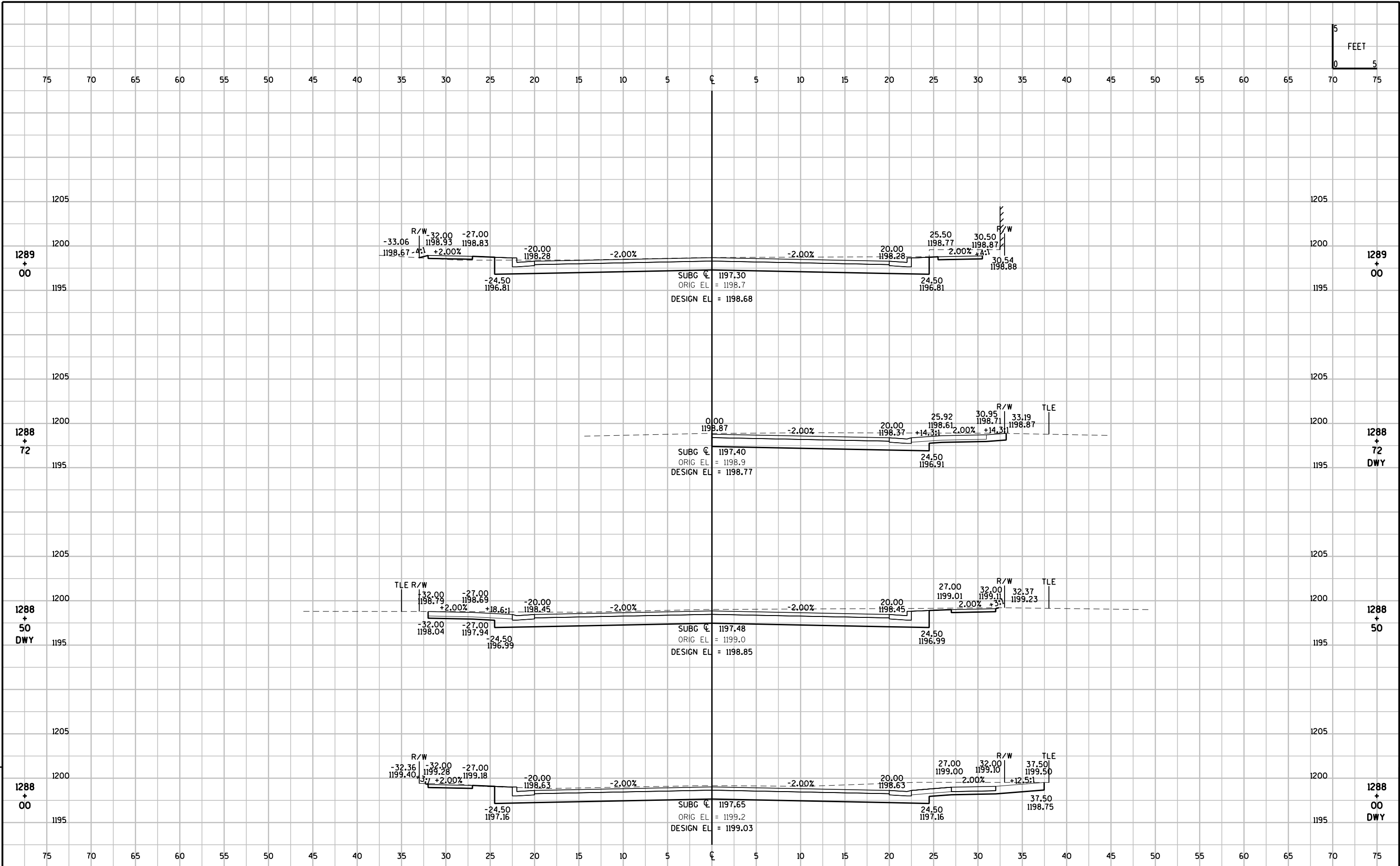
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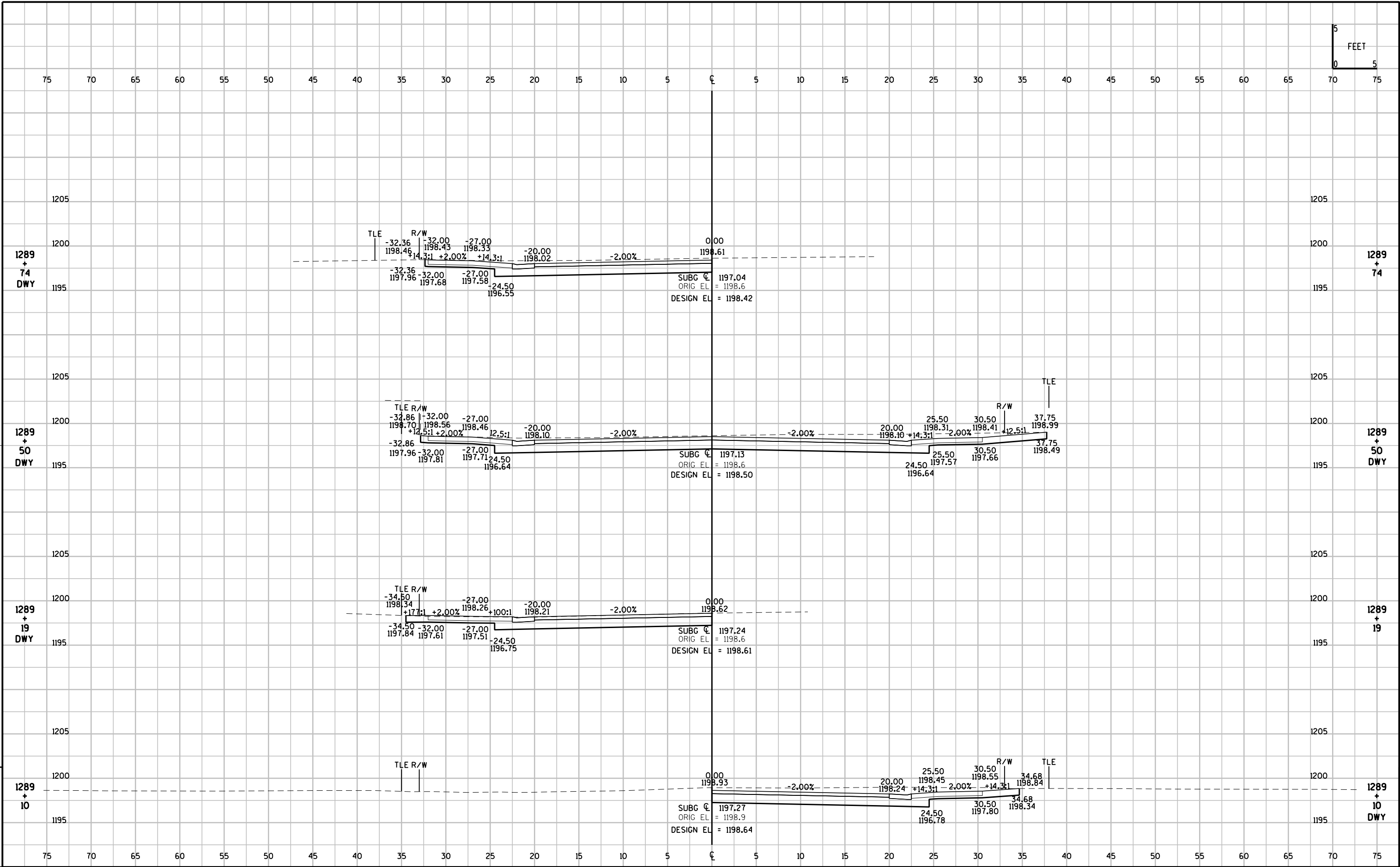
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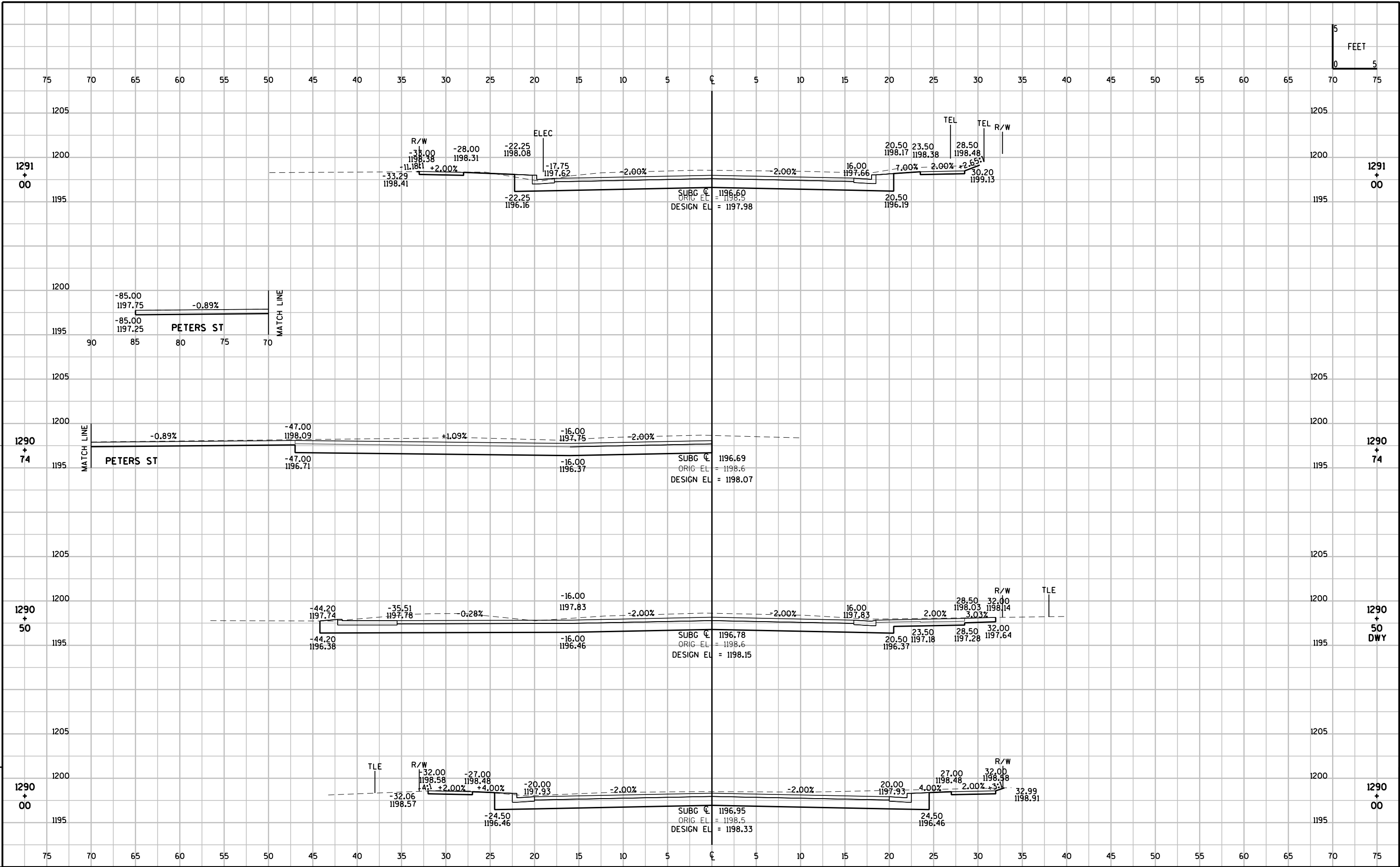
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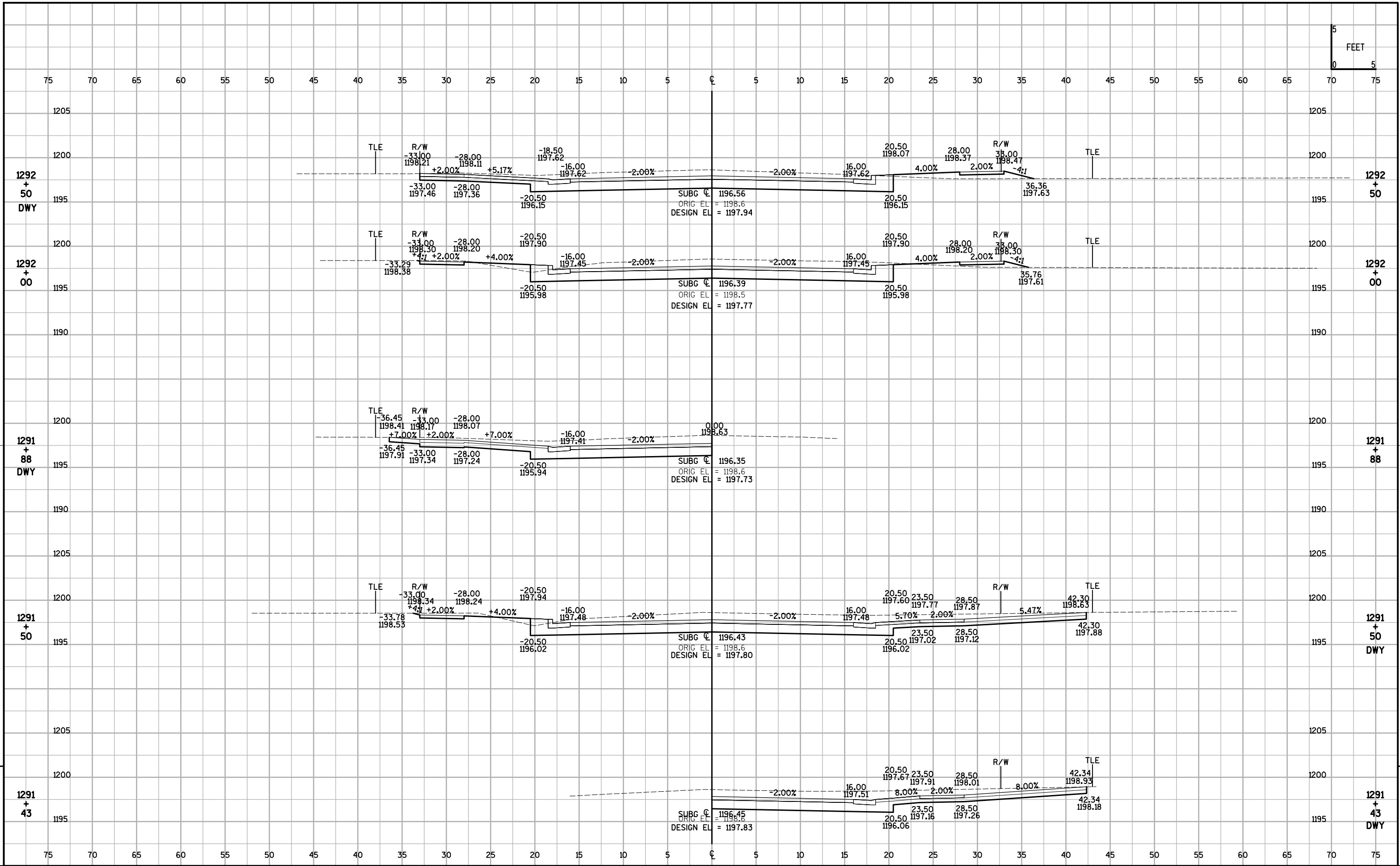
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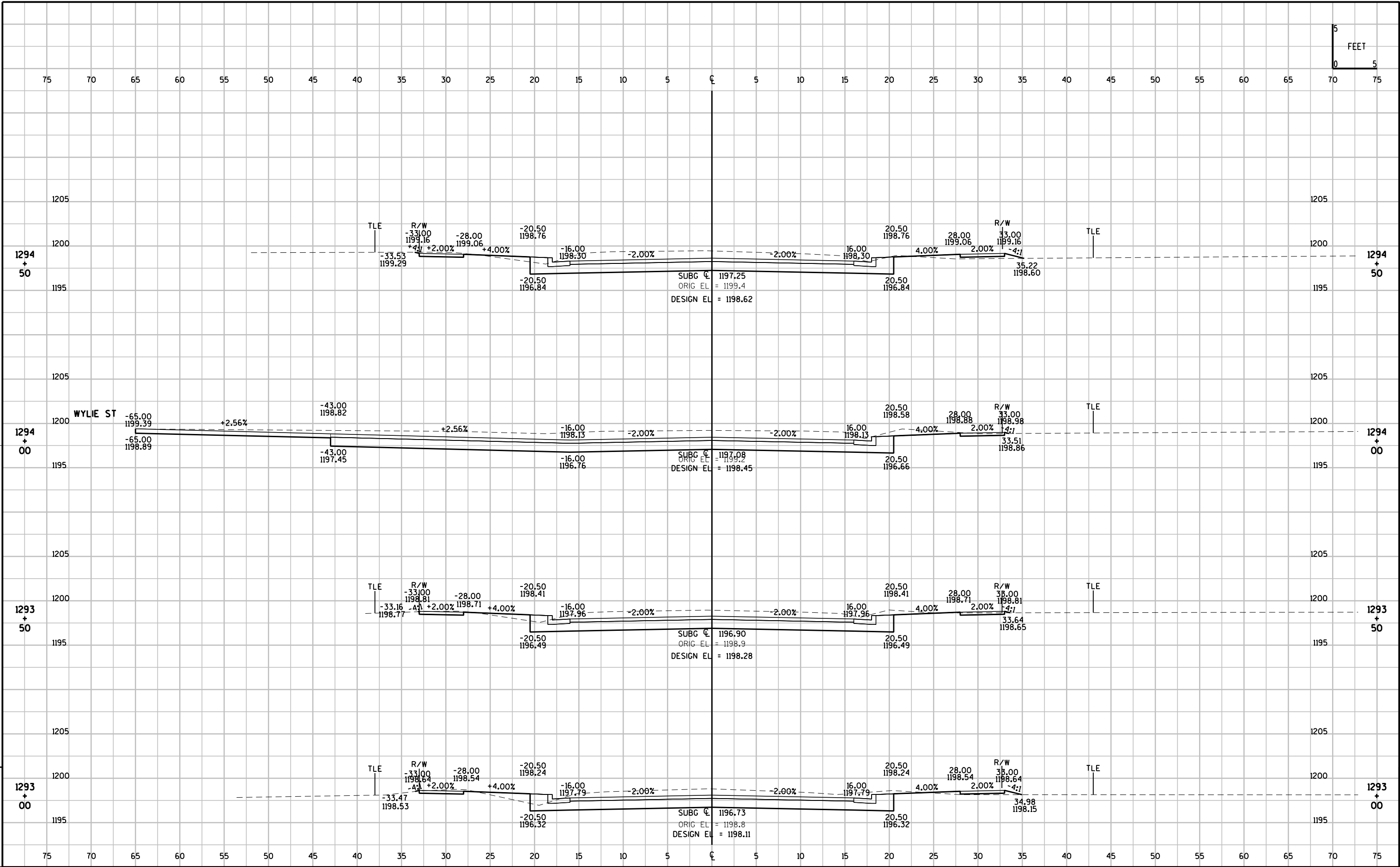
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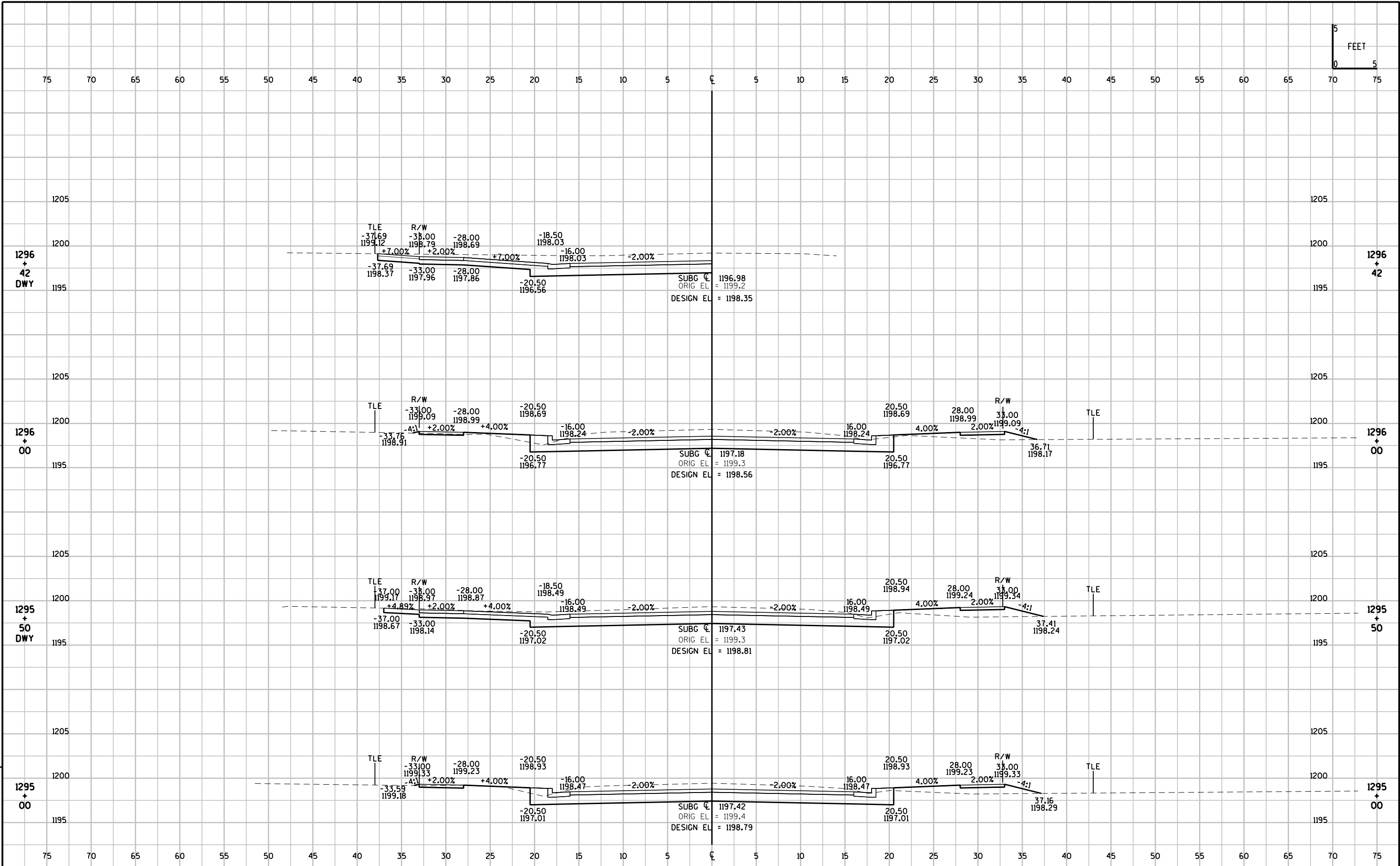
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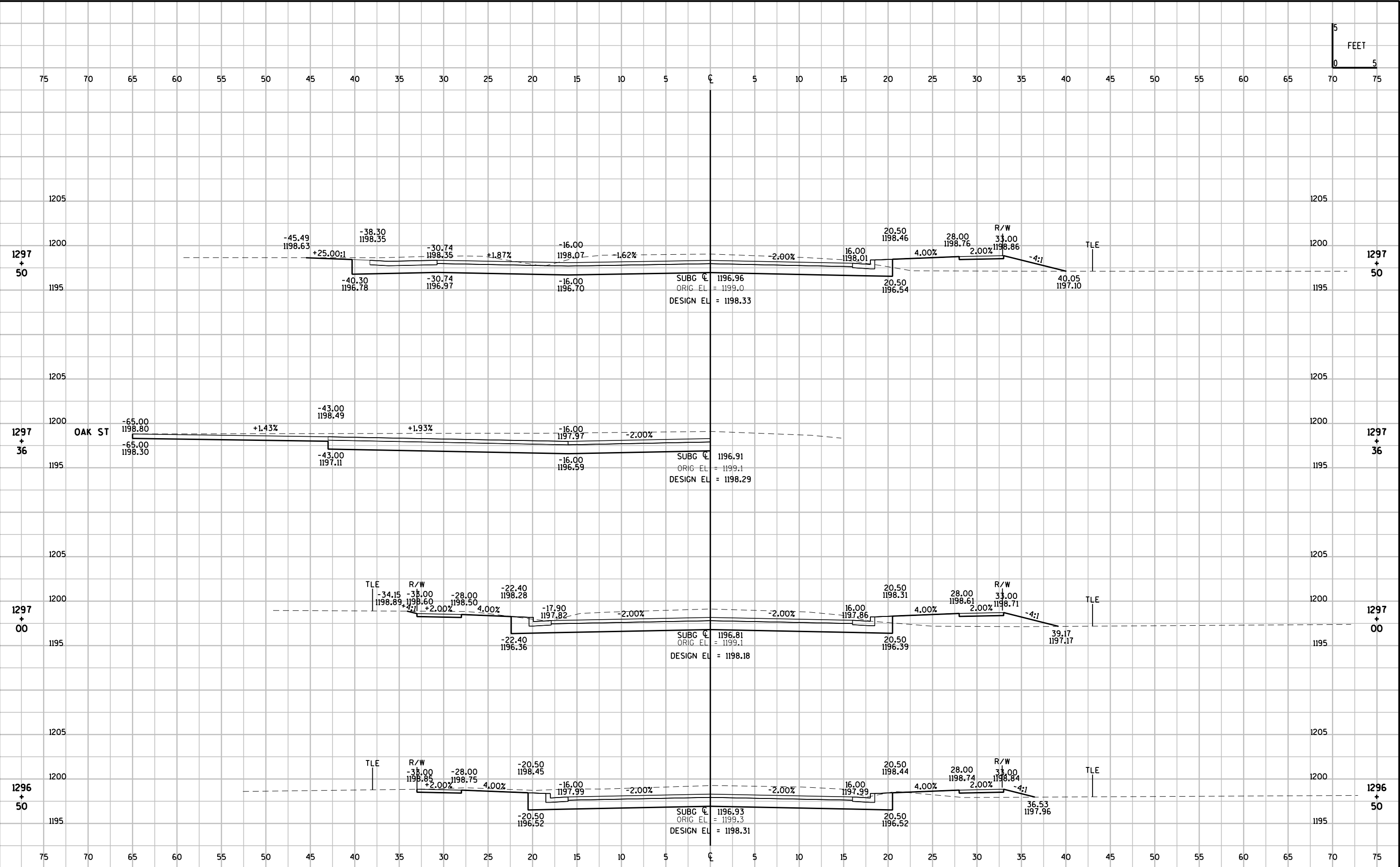
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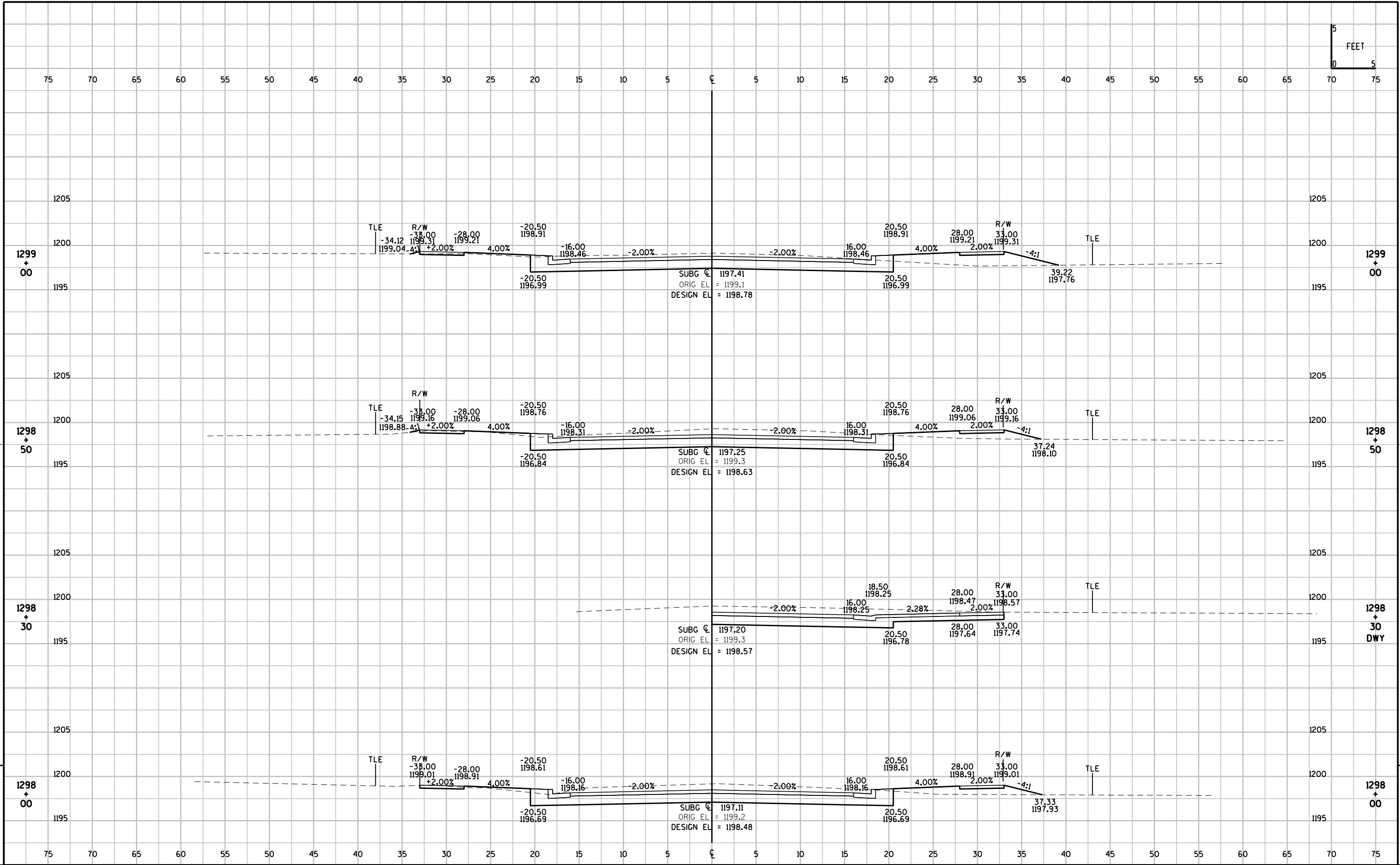
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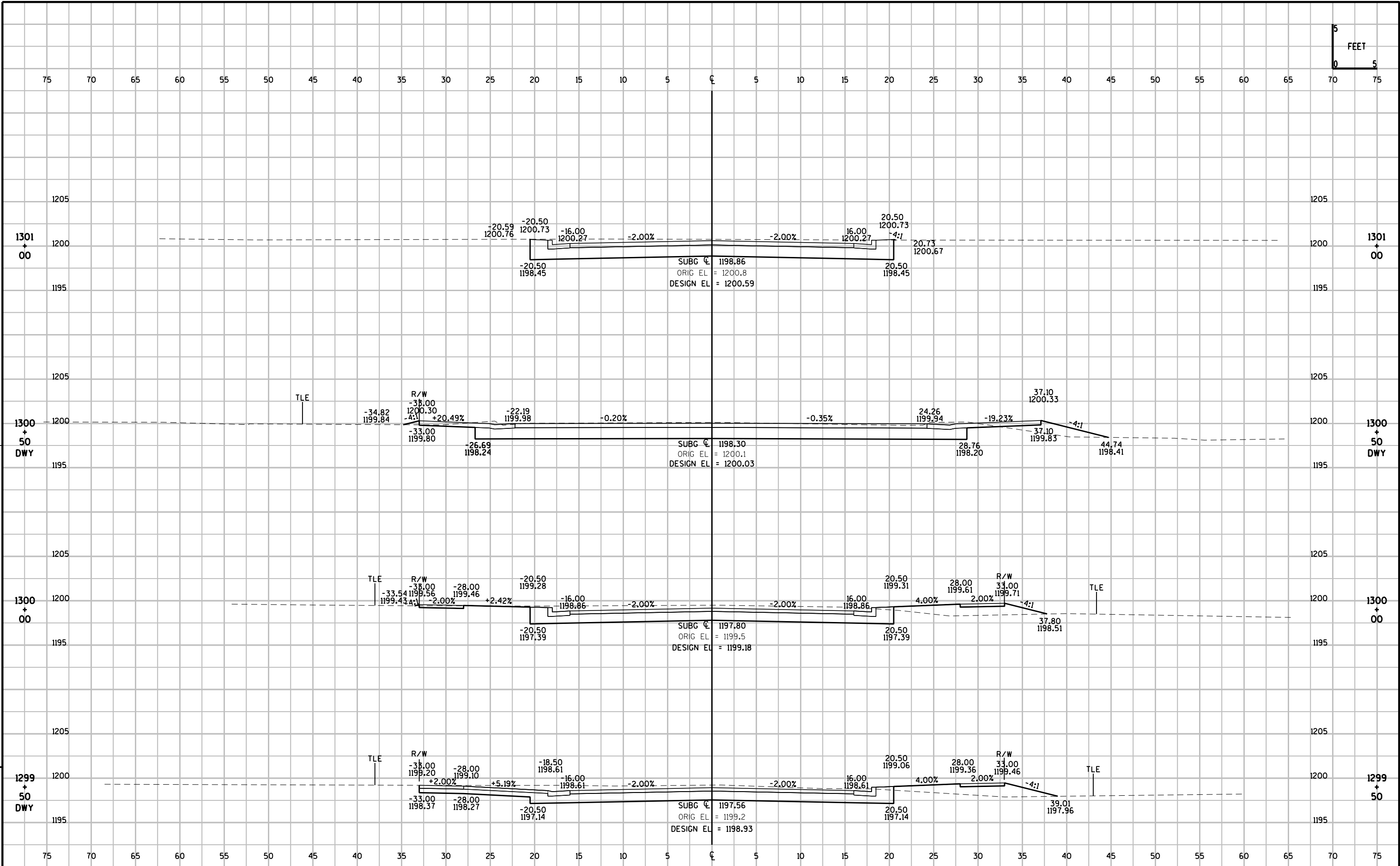
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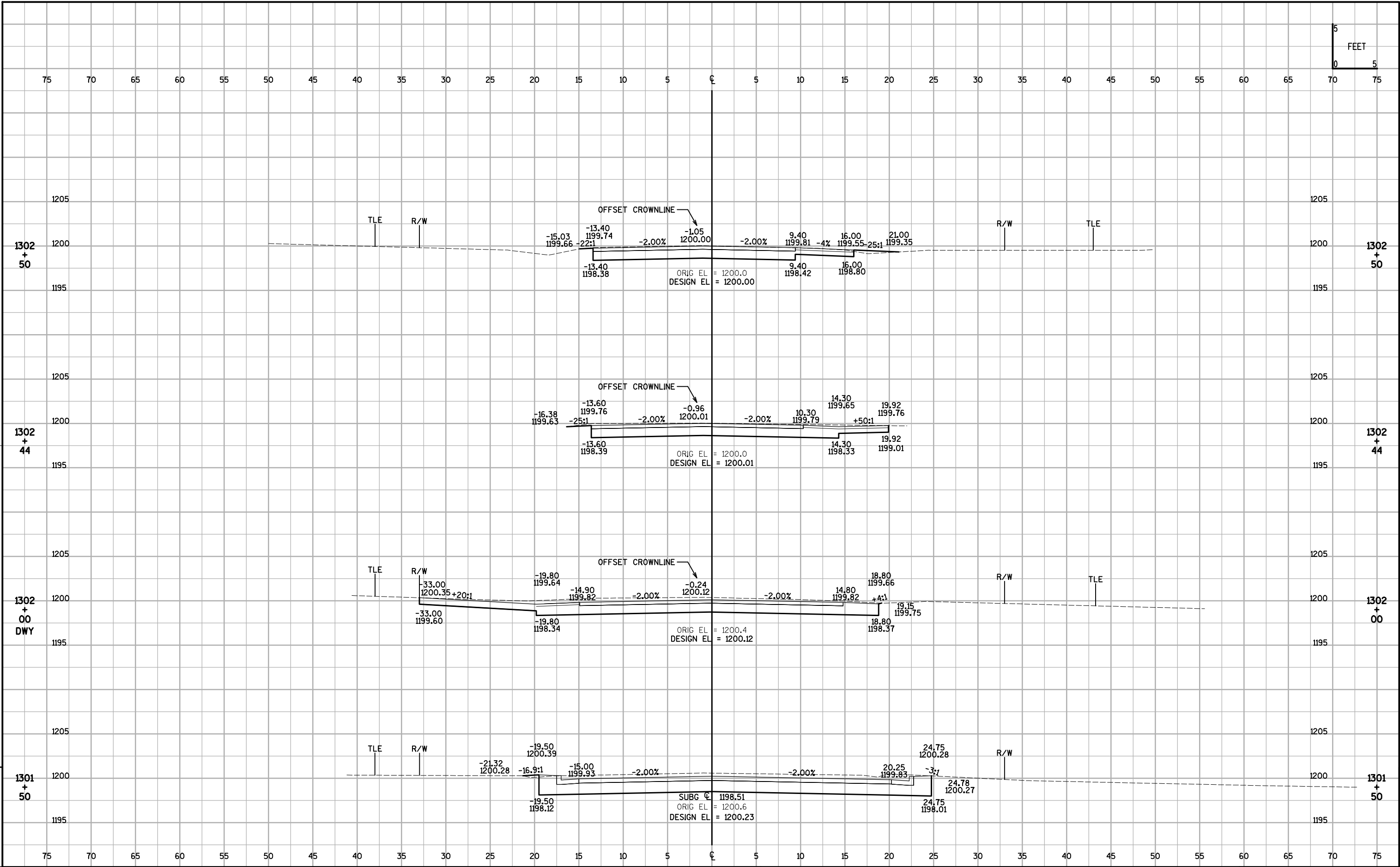
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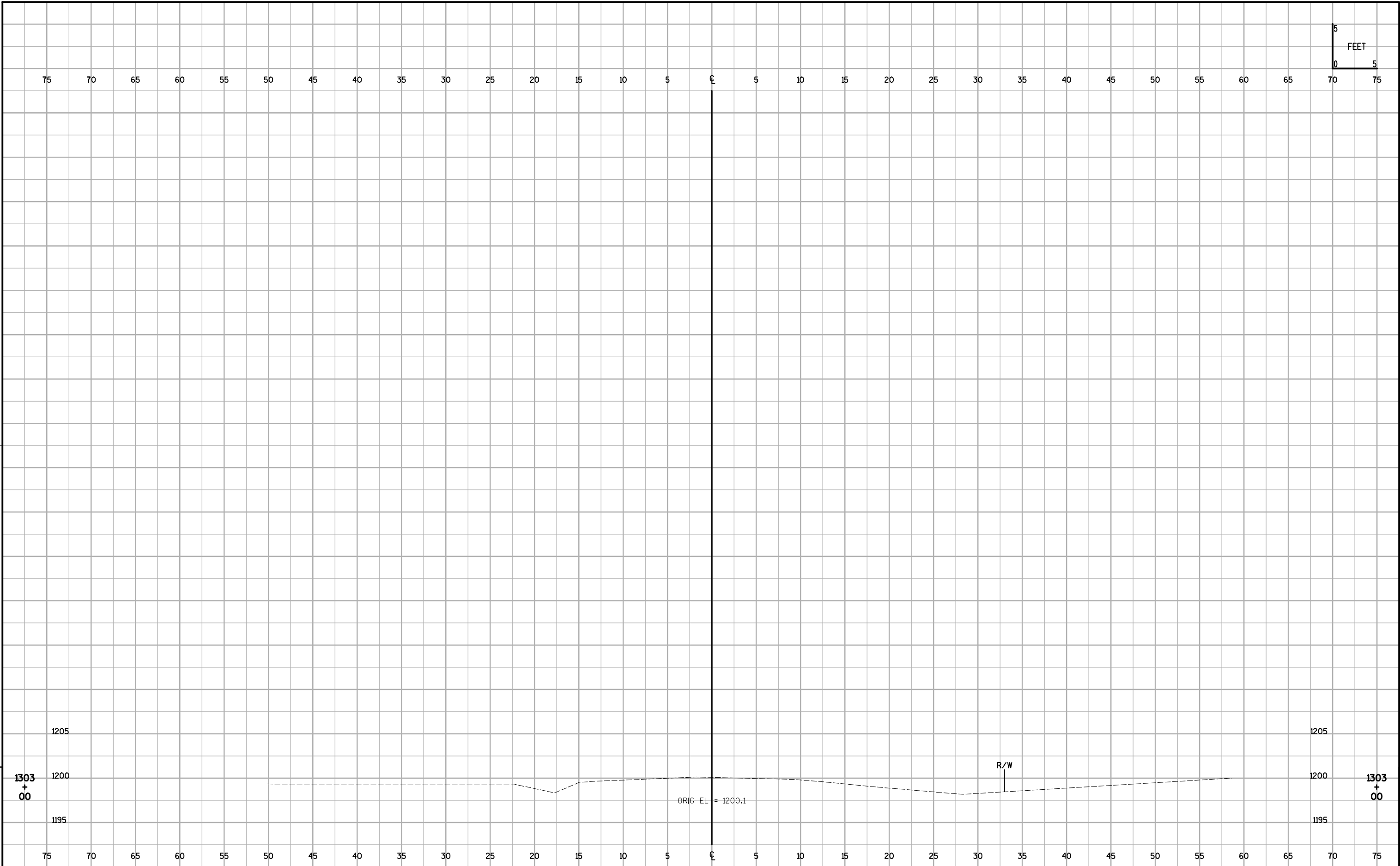
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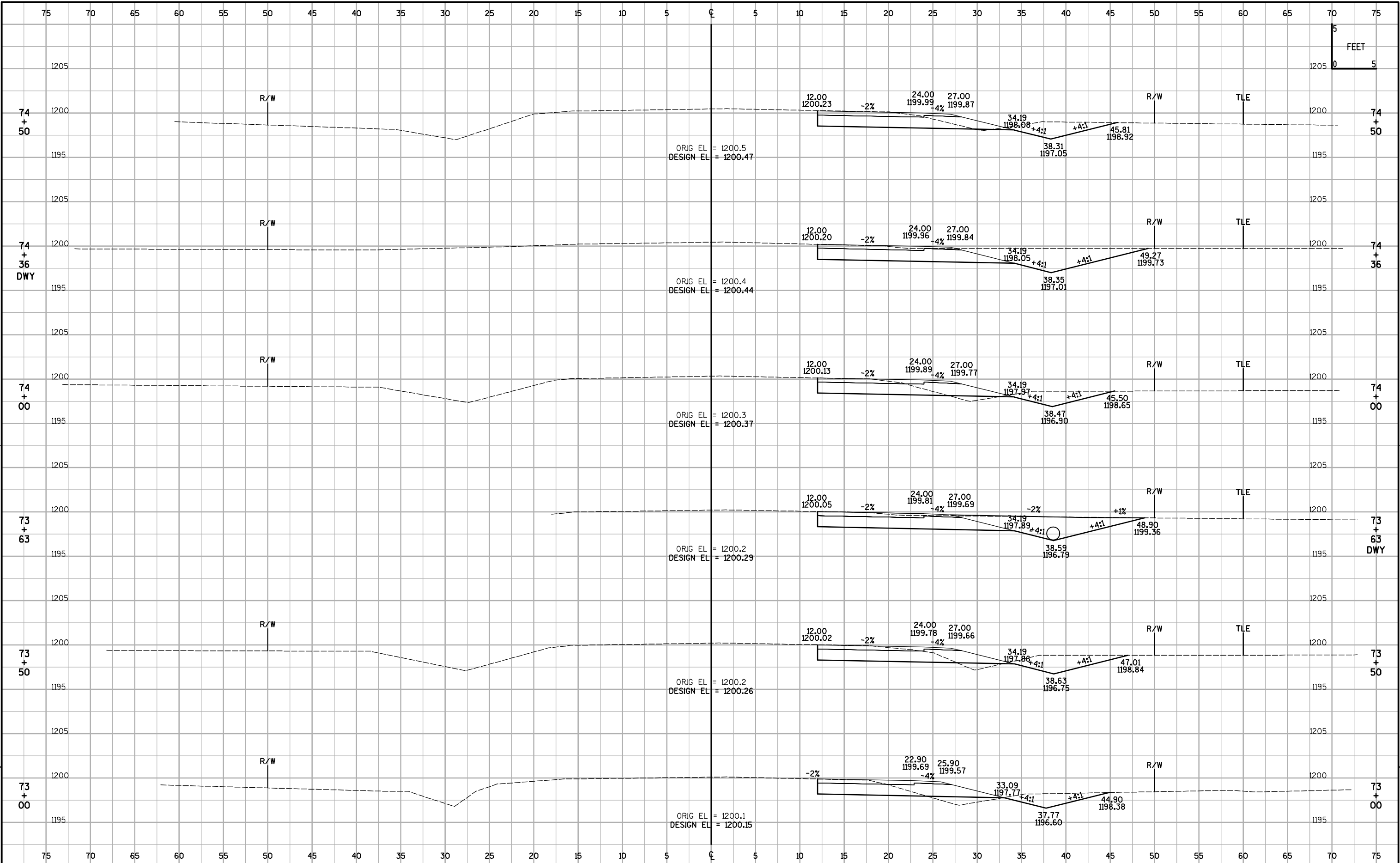
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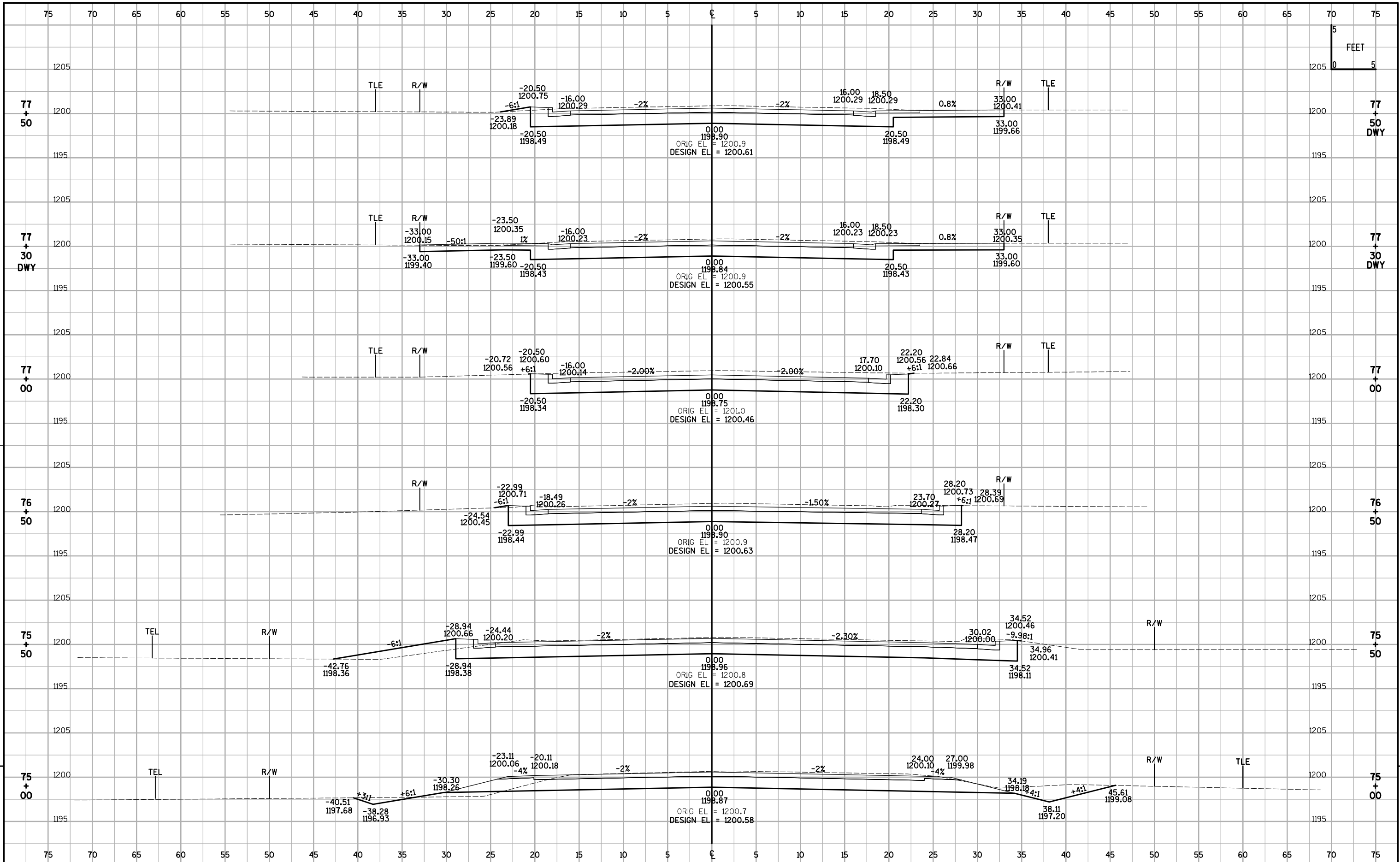
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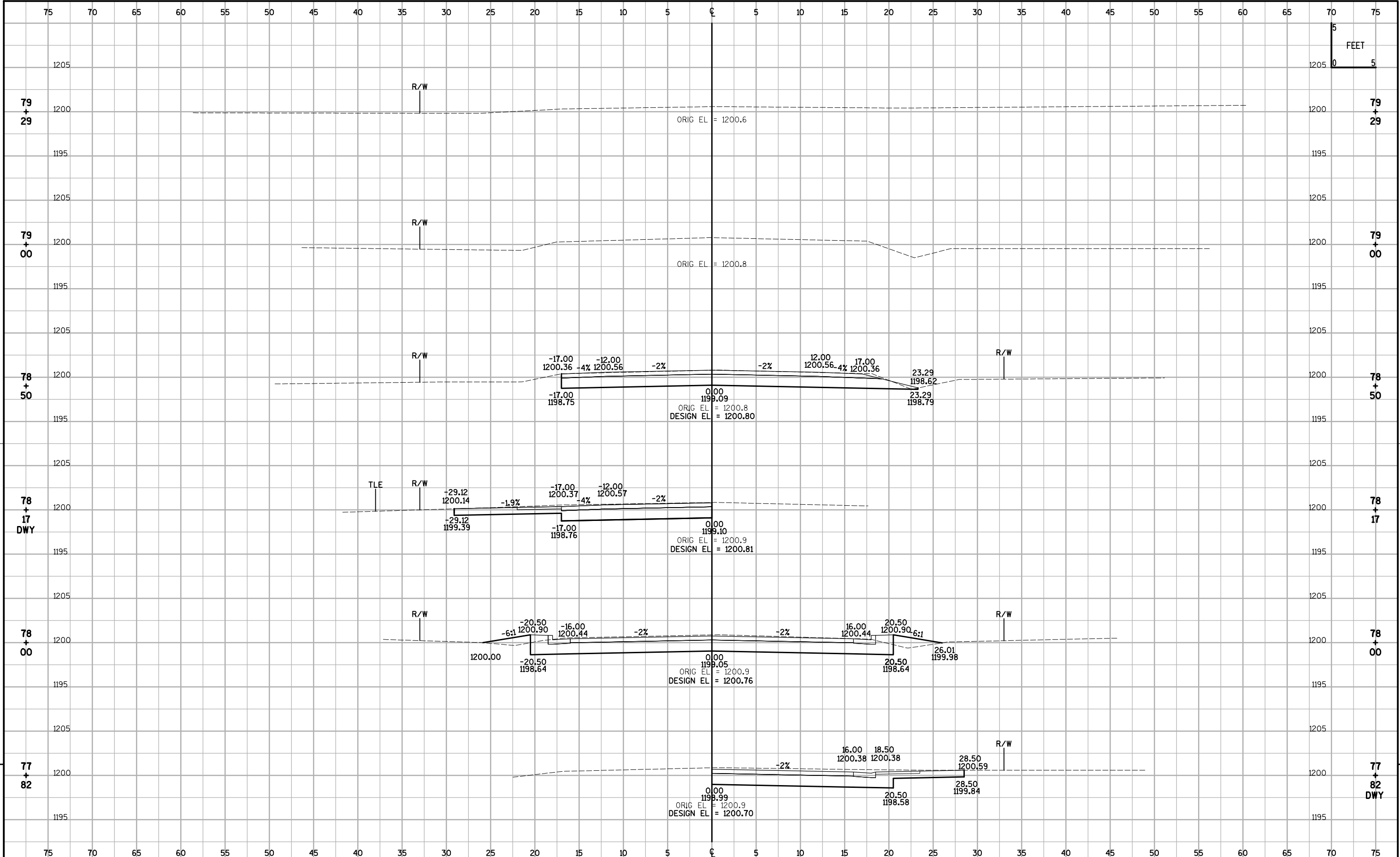
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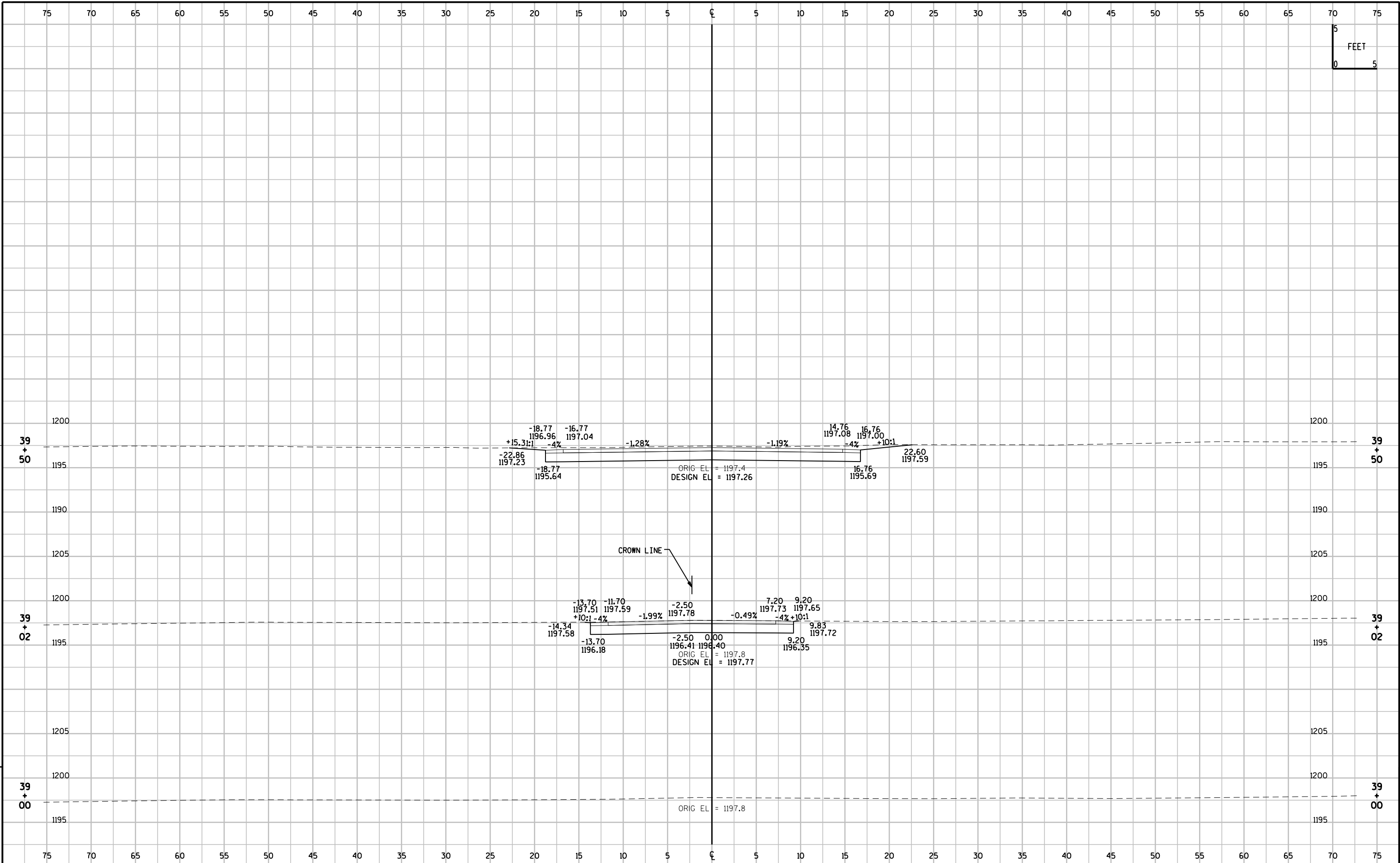
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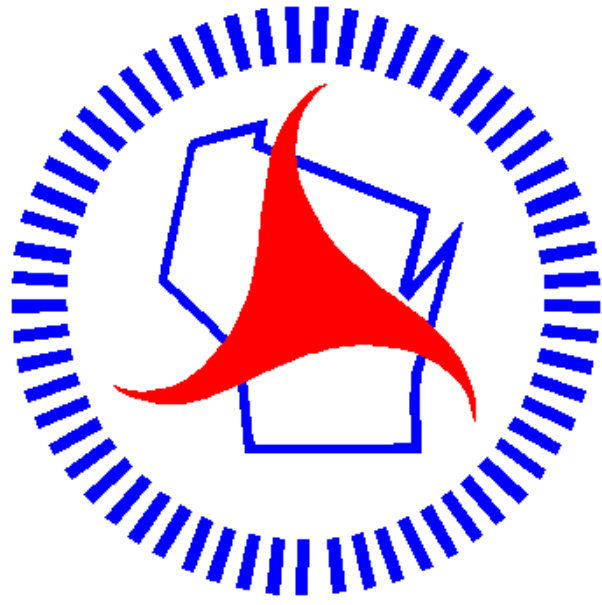
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Notes



Wisconsin Department of Transportation

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