

PROJECT ID: 1035-01-79
WITH 1030-11-72, 1030-11-79, 1030-11-80, 1035-25-79

COUNTY: RACINE

ORDER OF SHEETS		
Section No.	1	Title
Section No.	2	Typical Sections and Details (Includes Erosion Control Plans)
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
Section No.	4	Right of Way Plat
Section No.	5	Plan and Profile
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plates
Section No.	8	Structure Plans
Section No.	9	Computer Earthwork Data
Section No.	9	Cross Sections

TOTAL SHEETS =



DESIGN DESIGNATION	
	IH 94
A.A.D.T. 2010	= 96,100
A.A.D.T. 2035	= 110,800
D.H.V.	= 9,300
D.D.	= .50SB/.50NB
T.	= 17%
DESIGN SPEED	= 70 MPH
ESALS	= 46,548,706

CONVENTIONAL SYMBOLS

PLAN	
CORPORATE LIMITS	
PROPERTY LINE	
LOT LINE	
LIMITED HIGHWAY EASEMENT	
EXISTING RIGHT OF WAY	
PROPOSED OR NEW R/W LINE	
SLOPE INTERCEPT	
REFERENCE LINE	
EXISTING CULVERT	
PROPOSED CULVERT (Box or Pipe)	
COMBUSTIBLE FLUIDS	
MARSH AREA	
WOODED OR SHRUB AREA	

PROFILE	
GRADE LINE	
ORIGINAL GROUND	
MARSH OR ROCK PROFILE (To be noted as such)	
SPECIAL DITCH	
GRADE ELEVATION	
CULVERT (Profile View)	
UTILITIES	
ELECTRIC	
FIBER OPTIC	
GAS	
SANITARY SEWER	
STORM SEWER	
TELEPHONE	
WATER	
UTILITY PEDESTAL	
POWER POLE	
TELEPHONE POLE	

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

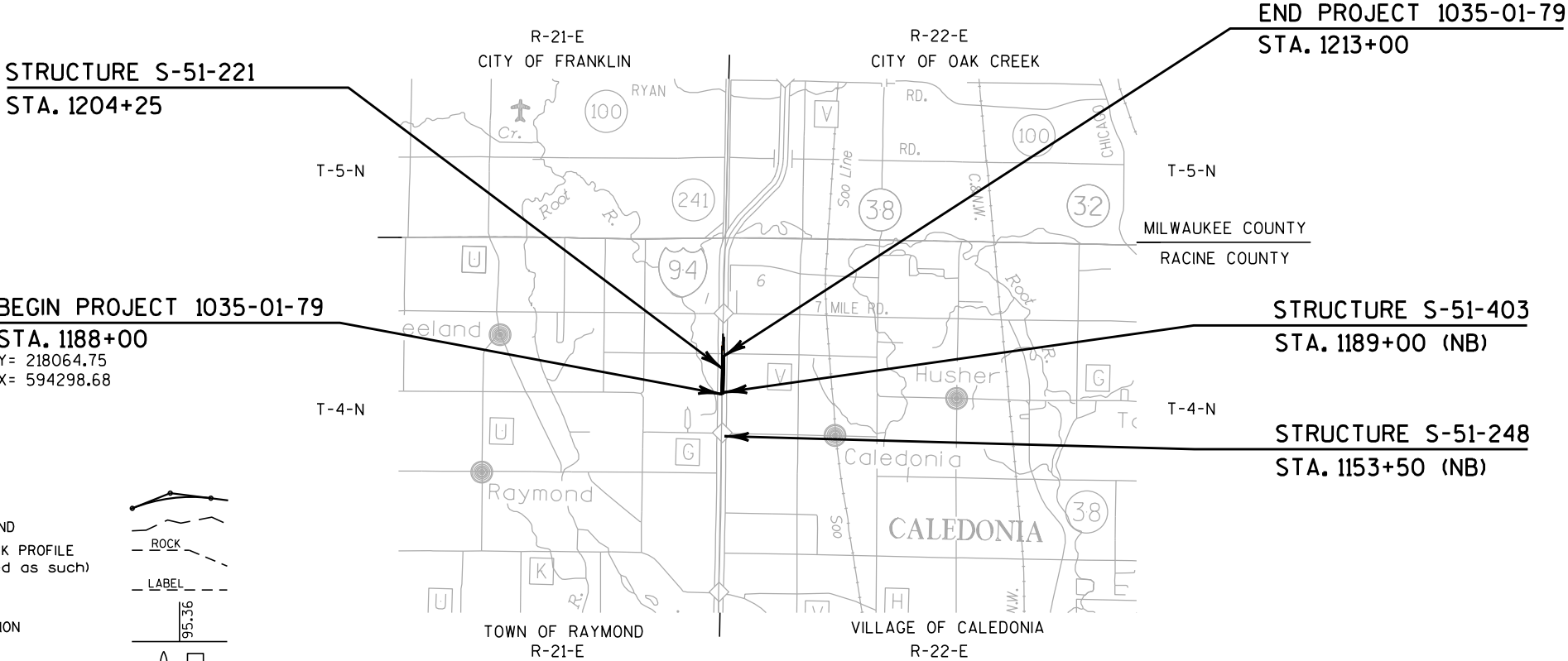
PLAN OF PROPOSED IMPROVEMENT

N-S FREEWAY CTH G TO 7 MILE ROAD

MAINLINE
IH 94
RACINE COUNTY

STATE PROJECT NUMBER
1035-01-79

DRAFT PS&E
JUNE 14, 2017
PLANS APPROVED FOR
DESIGN OF UTILITY
ADJUSTMENTS



LAYOUT
SCALE 0 1.0 MI.

TOTAL NET LENGTH OF CENTERLINE = 0.473 MI.

COORDINATES ON THIS PLAN ARE REFERENCED
TO THE WISCONSIN COUNTY COORDINATE SYSTEM
(WCCS), RACINE COUNTY, NAD 1983(97)

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED
TO THE NORTH AMERICAN VERTICAL DATUM OF
1988(91) (NAVD 88(91)).

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1035-01-79		

ORIGINAL PLANS PREPARED BY

(Date) (Signature)

(Date) (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY	
Surveyor	WISDOT
Designer	SEDW
Project Manager	STEVE HOFF
District Examiner	
District Supervisor	MANAJOY NAG

APPROVED FOR THE DEPARTMENT
DATE: (Signature)

PRE_1

E

UTILITY CONTACTS



Dial 811 or (800)242-8511
www.DiggersHotline.com

TO OBTAIN LOCATION OF
PARTICIPANTS' UNDERGROUND
FACILITIES BEFORE YOU DIG IN
WISCONSIN

WIS. STATUTE 182.0175 (1974)
REQUIRES MIN. OF 3 WORK DAYS
NOTICE BEFORE YOU EXCAVATE.

AT&T WISCONSIN

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ORDER OF SECTION 2 DETAIL SHEETS

- GENERAL NOTES
- PROJECT OVERVIEW
- TYPICAL SECTIONS
- CONSTRUCTION DETAILS
- PLAN DETAILS
- ITS/FTMS PLANS
- EROSION CONTROL PLANS
- STORM SEWER PLANS
- EXISTING/PERMANENT SIGNING PLANS
- PAVEMENT MARKING
- TRAFFIC CONTROL PLANS
- FENCING PLAN
- ALIGNMENT LAYOUT

GENERAL NOTES

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

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. UTILITIES SHOWN ON THE PLANS ARE CURRENT AS OF 2011.

THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY LOCAL MUNICIPAL UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.

ALL HOLES OR OPENINGS BELOW SUBGRADE RESULTING FROM ABANDONMENT OR REMOVAL OF EXISTING STRUCTURES SHALL BE FILLED WITH GRANULAR BACKFILL AS DIRECTED BY THE ENGINEER.

WHEN THE QUANTITY OF ASPHALTIC CONCRETE PAVEMENT OR BASE COURSE IS MEASURED FOR PAYMENT BY THE TON, THE DEPTH OR THICKNESS OF THE COURSE SHOWN ON THE PLAN IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

TACK COAT HAS BEEN ESTIMATED AT AN APPLICATION RATE OF 0.07 GALLON PER SQUARE YARD AND SHALL BE APPLIED BETWEEN ALL LAYERS OF ASPHALTIC PAVEMENT.

CURB AND GUTTER GRADES ARE GIVEN TO THE FLANGE. CURB AND GUTTER RADIARE MEASURED TO THE FLANGE.

TEMPORARY STORAGE OF ANY EXCAVATED MATERIAL WILL NOT BE PERMITTED IN WETLANDS.

BROKEN CONCRETE CONTAINING RE-BAR SHALL NOT BE USED AS RIPRAP.

CROSS SECTIONS SHOWN INCLUDE THE THICKNESS OF SALVAGED TOPSOIL WHERE REQUIRED. SALVAGED TOPSOIL SHALL BE REPLACED WITH 4-INCH TYPICAL DEPTH.

A SAWED JOINT IS REQUIRED WHERE NEW HMA PAVEMENT MEETS EXISTING ASPHALTIC CONCRETE SURFACE.

REMOVAL OF EROSION CONTROL DEVICES IS INCLUDED IN THE COST OF THEIR RESPECTIVE BID ITEMS.

THE EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

INLET PROTECTION REQUIRED AT ALL INLETS AS PER EROSION CONTROL PLANS OR AS DIRECTED BY THE ENGINEER.

DISTURBED AREAS WITHIN THE RIGHT OF WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE RESTORED WITH SALVAGED TOPSOIL, FERTILIZER AND SEED AS DIRECTED BY THE ENGINEER. QUANTITIES FOR FINISHING ITEMS INCLUDE RESTORATION EXTENDING 5 FEET BEYOND THE SLOPE INTERCEPT FOR ROUNDING.

FERTILIZER SHALL NOT BE USED WITHIN 20 FEET OF NAVIGABLE WATERWAYS OR WETLANDS.

USE CLASS I, URBAN, TYPE B EROSION MAT ADJACENT TO DISTURBED WELANDS. DO NOT INSTALL CLASS I, URBAN, TYPE B EROSION MAT IN WATER.

PROVIDE TEMPORARY POSITIVE DRAINAGE ON THE NEWLY INSTALLED STORM SEWER SYSTEM UNTIL IT IS ABLE TO EFFECTIVELY DRAIN TO ITS INTENDED OR PLANNED OUTFALL. ANY WORK REQUIRED TO COMPLETE THIS DRAINAGE IS INCIDENTAL TO THE BID ITEMS FOR STORM SEWER.

CONCRETE BARRIER WALL SINGLE SLOPE END ANCHORAGES SHALL BE PLACED IN THE FIELD AT LOCATIONS REQUIRED PER THE STANDARD DETAIL DRAWING.

TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

ALL PROPOSED RIGHT OF WAY AND PERMANENT LIMITED EASEMENTS CALLED OUT ON THESE SHEETS HAVE BEEN ACQUIRED WITH PREVIOUSLY COMPLETED ADJACENT FRONTAGE ROAD PROJECTS.

PROVIDE TEMPORARY DRAINAGE ON THE NEWLY INSTALLED STORM SEWER SYSTEM UNTIL IT IS ABLE TO EFFECTIVELY DRAIN TO ITS INTENDED OR PLANNED OUTFALL. ANY WORK REQUIRED TO COMPLETE THIS DRAINAGE IS INCIDENTAL TO THE BID ITEMS FOR STORM SEWER.

FILLING AGAINST THE EXISTING BARRIER MUST BE APPROVED BY THE ENGINEER IN THE FIELD. IF APPROVED BY THE ENGINEER, FILL MAY NOT EXCEED A HEIGHT OF 1.75' WITH A SLOPE OF 2:1 OR A HEIGHT OF 1.25' WITH A SLOPE OF 1.5:1. FILLING AGAINST THE EXISTING BARRIER

PRIOR TO ORDERING DRAINAGE PIPES AND STRUCTURES, THE CONTRACTOR SHALL VERIFY RELATED DRAINAGE INFORMATION IN THE PLANS AND PROVIDE DOCUMENTATION TO ENGINEER IN ACCORDANCE WITH THE SPECIFICATIONS.

INLET AND DISCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES SHOWN ON THE PLAN MAY BE ADJUSTED BY THE ENGINEER TO FIT FIELD CONDITIONS.

LOCATIONS OF DRAINTILE ON THE PLAN ARE BASED ON AS-BUILT OR PROPERTY OWNER INTERVIEWS. DRAINTILE EXPLORATION ITEM IS TO BE USED TO VERIFY THE EXACT SIZE AND LOCATION.

A CONVERSION FACTOR OF 2.10 TONS/CY IS USED TO ESTIMATE QUANTITIES FOR BASE AGGREGATE DENSE.

A CONVERSION FACTOR OF 1.80 TONS/CY IS USED TO ESTIMATE QUANTITIES FOR SELECT CRUSHED MATERIAL.

A CONVERSION FACTOR OF 115 LB/SY/IN IS USED TO ESTIMATE QUANTITIES FOR HMA PAVEMENT.

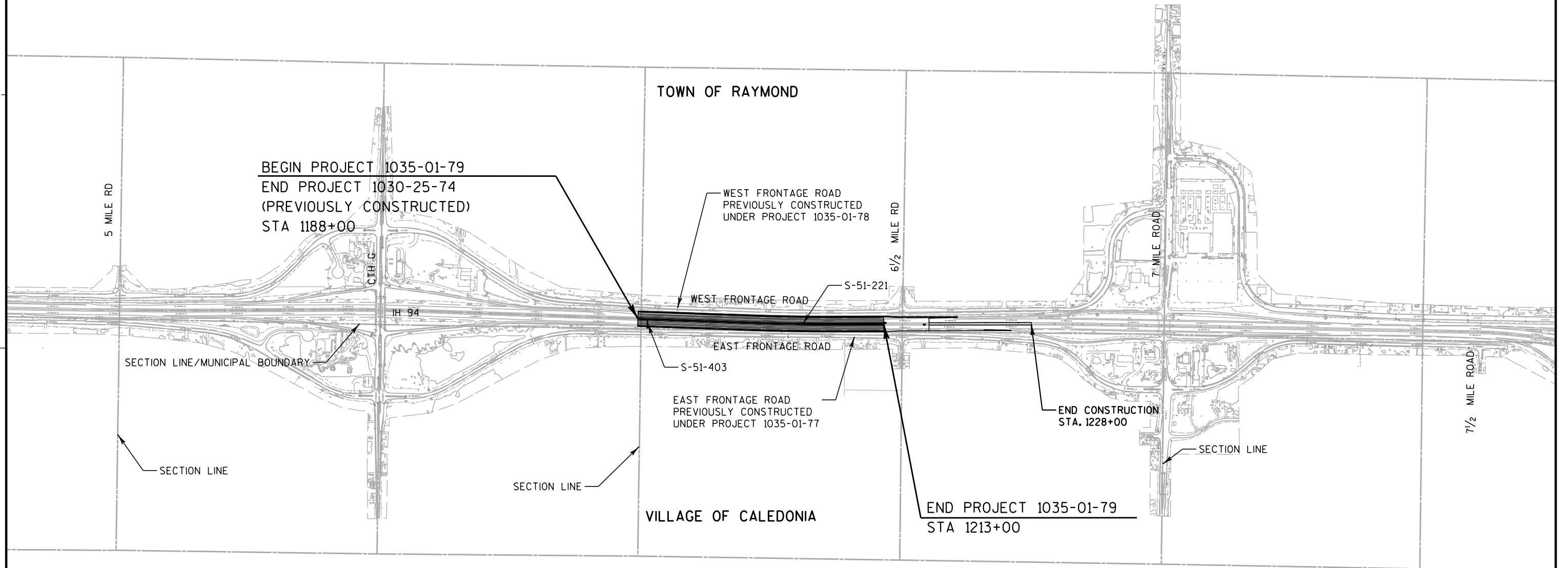
ALL TYPES OF HMA PAVEMENT SHALL BE CONSTRUCTED WITH THE FOLLOWING LAYERS AND GRADATIONS:

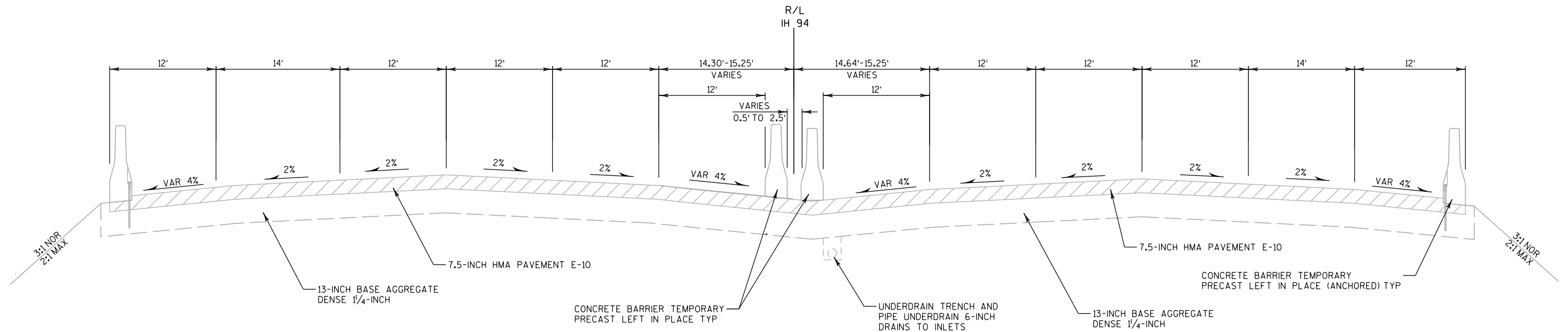
HMA PAVEMENT TYPE	TOTAL LAYER PAVEMENT THICKNESS	LAYERS	NORMAL MAXIMUM SIZE GRADATION
ASPHALTIC SURFACE TEMPORARY	5"	5"	25.0 MM
3 MT 58-28 S 3 MT 58-28 S 3 MT 58-28 S	7.5"	2 " UPPER 2¾" UPPER LOWER 2¾" LOWER LOWER	12.5 MM 19.0 MM 19.0 MM

AP13

STANDARD ABBREVIATIONS

AEW	APRON END WALL
AGG	AGGREGATE
BAD	BASE AGGREGATE DENSE
BM	BENCH MARK
C&G	CURB AND GUTTER
C/L	OR CENTER OR CONSTRUCTION LINE
CONC	CONCRETE
CP	CULVERT PIPE
CPCM	CULVERT PIPE CORRUGATED METAL
CPRC	CULVERT PIPE REINFORCED CONCRETE
CSD	CONCRETE SURFACE DRAIN
CY	CUBIC-YARD
D	DEGREE OF CURVE
Δ	DELTA
DISCH	DISCHARGE
ESTR	EXISTING SIGN TO REMAIN
EL	ELEVATION
FE	FIELD ENTRANCE
FMS	FIXED MESSAGE SIGN
HMA	HOT MIX ASPHALT
INV	INVERT
L	LENGTH OF CURVE
LHF	LEFT HAND FORWARD
LT	LEFT
MIN	MINIMUM
M/L	MATCHLINE
NB	NORTHBOUND
NC	NORMAL CROWN
PAVT	PAVEMENT
PC	POINT-OF CURVE
PCC	POINT OF COMPOUND CURVE
PE	PRIVATE ENTRANCE
PGL	PROFILE GRADE LINE
PI	POINT OF INTERSECTION
PLE	PERMANENT LIMITED EASEMENT
PT	POINT OF TANGENT
R	RADIUS OF CURVE
R/L	REFERENCE LINE
R/W	RIGHT OF WAY
RC	REVERSE CROWN
RCAEW	APRON ENDWALL FOR CULVERT PIPE REINFORCE CONCRETE
REQD	REQUIRED
RHF	RIGHT HAND FORWARD
RO	RUN OFF LENGTH
RT	RIGHT
SALV	SALVAGED
SB	SOUTHBOUND
SDD	STANDARD DETAIL DRAWING
SE	SUPER ELEVATION
SF	SQUARE FOOT
SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
SSPRCHE	STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
STA	STATION
SY	SQUARE YARD
T	TANGENT LENGTH
TLE	TEMPORARY LIMITED EASEMENT
TYP	TYPICAL
VCL	VERTICAL CURVE LENGTH
VPC	POINT OF VERTICAL CURVE
VPI	POINT OF VERTICAL INTERSECTION
VPT	POINT OF VERTICAL TANGENT



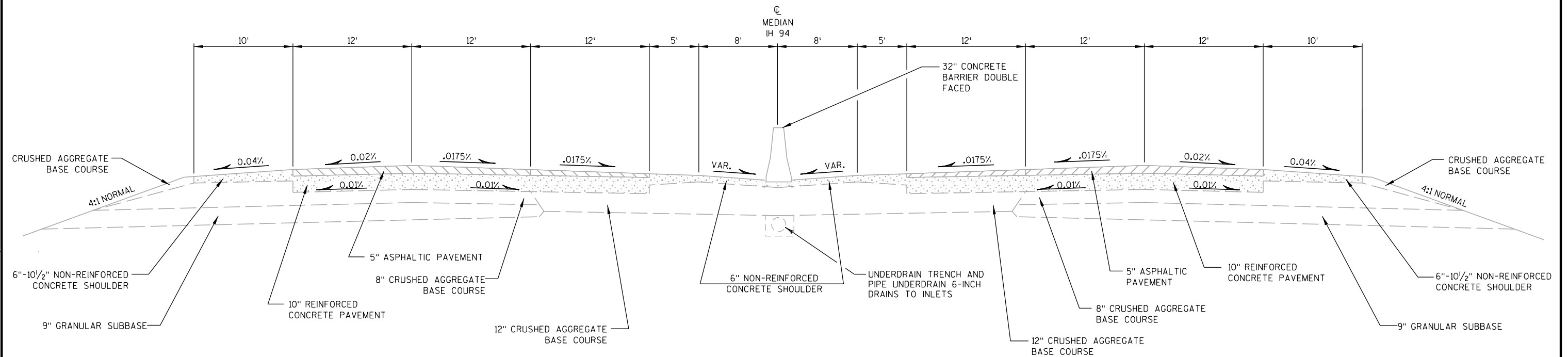


TYPICAL EXISTING SECTION

IH 94

STA 1188+00 TO STA 1188+85

7.5" EXISTING ASPHALTIC PAVEMENT TO BE MILLED AND REMOVED

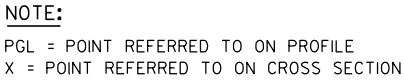
**TYPICAL EXISTING SECTION****IH 94**

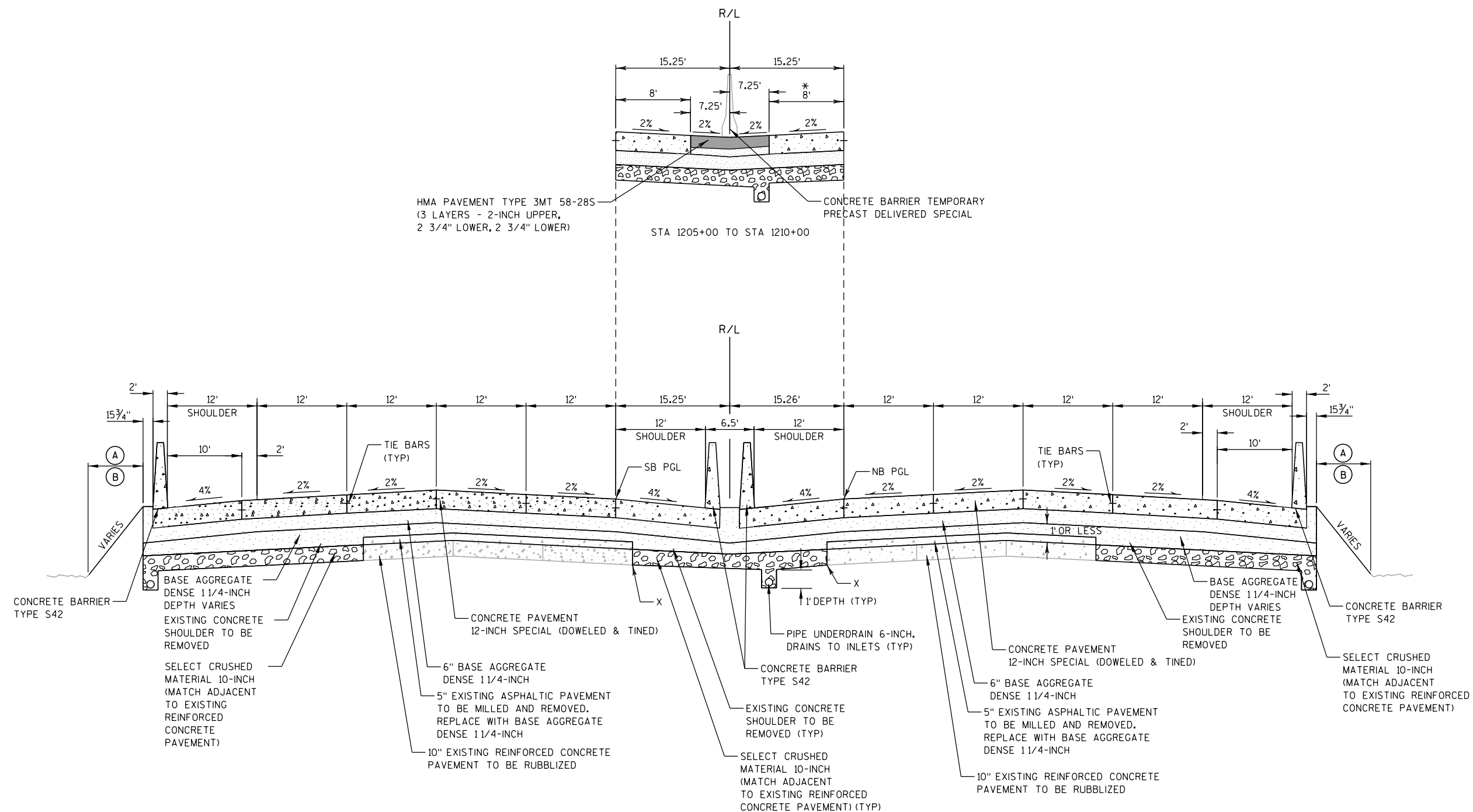
STA 1188+85 TO STA 1213+00

NOTES

1. MEDIAN PAVEMENT UNDER PREVIOUS CTH G CROSSOVER CONSISTS OF 7.5" HMA OVER 13" BASE.
2. TEMPORARY CONCRETE BARRIER LEFT IN PLACE FROM 1191+20 TO 1202+65

5" EXISTING ASPHALTIC PAVEMENT TO BE MILLED AND REMOVED
10" EXISTING REINFORCED CONCRETE PAVEMENT TO BE REMOVED
EXISTING CONCRETE SHOULDERS TO BE REMOVED





TYPICAL FINISHED SECTION

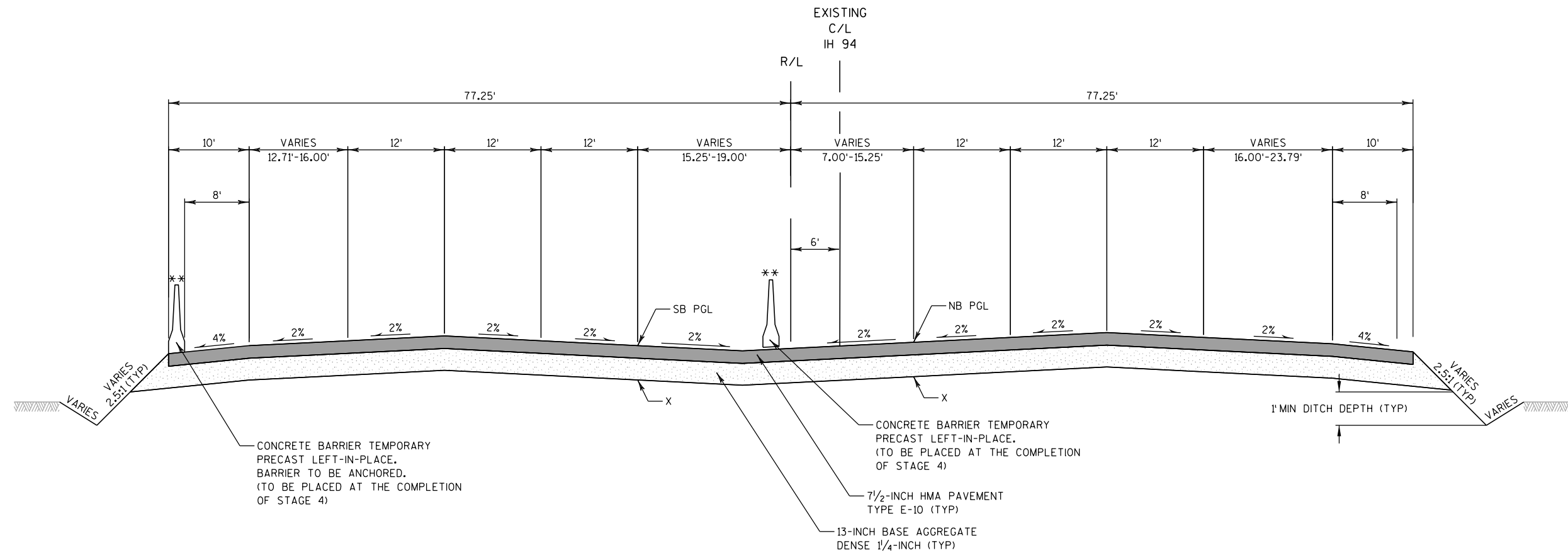
IH 94

STA 1203+00 TO STA 1210+00

- (A) SEEDING MIXTURE NO. 20 AND FERTILIZER TYPE B
- (B) 4" SALVAGED TOPSOIL AND MULCHING OR EROSION MAT

NOTE:

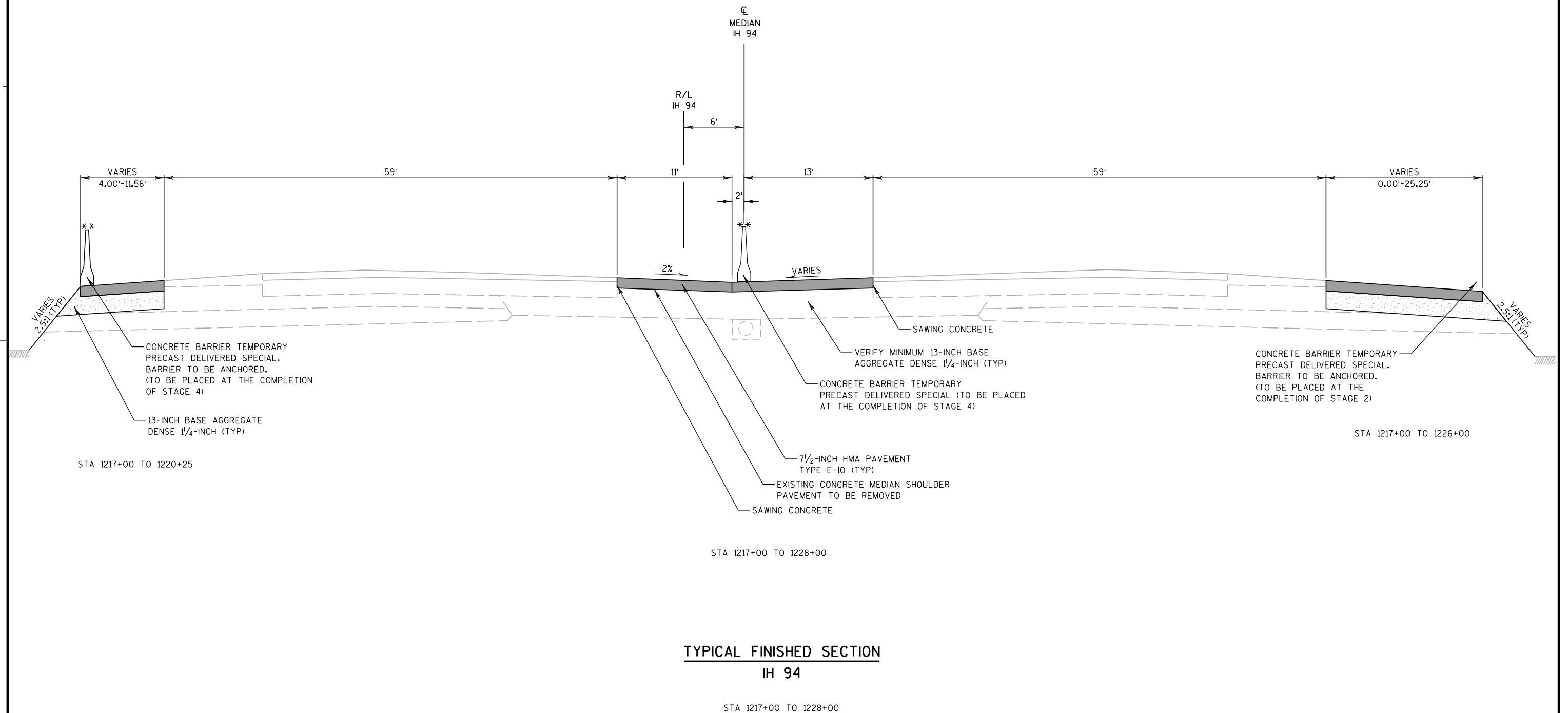
PGL = POINT REFERRED TO ON PROFILE
X = POINT REFERRED TO ON CROSS SECTION

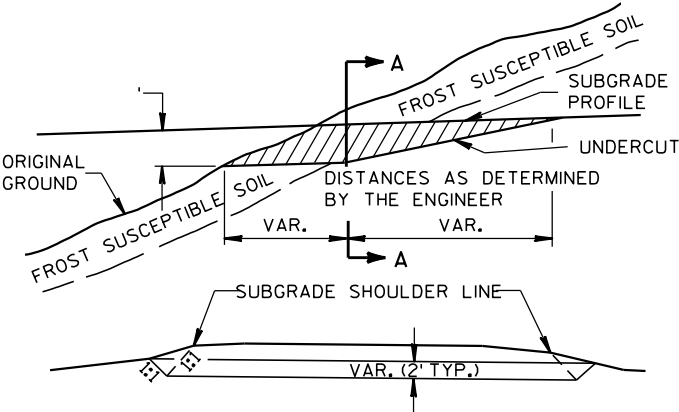
**TYPICAL FINISHED SECTION****IH 94**

STA 1213+00 TO 1217+00

NOTE:

PGL = POINT REFERRED TO ON PROFILE
AND PIVOT POINT FOR SUPERELEVATION
X = POINT REFERRED TO ON CROSS SECTION





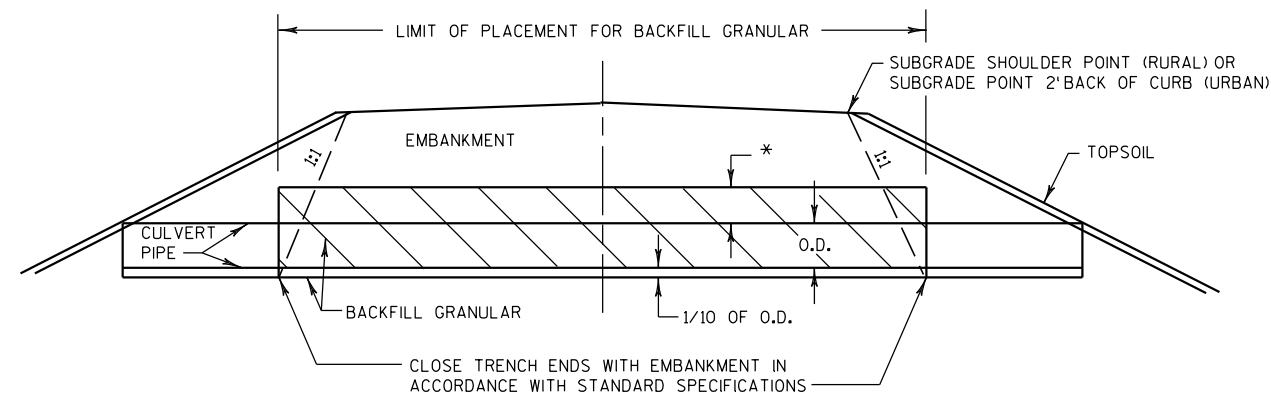
SECTION A-A
CROSS SECTION SHOWING UNDERCUT
EXCAVATION BELOW
SUBGRADE AT CUTS

NOTE: EXACT LOCATIONS AND EXTENT OF E.B.S. SECTIONS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.
E.B.S. AREA TO BE BACKFILLED WITH MATERIAL ACCEPTABLE TO THE ENGINEER
BACKFILL MUST BE HOMOGENEOUS WITH ADJOINING FILL MATERIAL.
THE FILL SECTION WITHIN 100' OF THE MOUTH OF THE CUT MUST BE KEPT 2' BELOW SUBGRADE UNTIL E.B.S. IS COMPLETED.

RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP-TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPE-TURF			.25 .32			.27 .34			.28 .36			.30 .38
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 = 40.0 ACRES (AREA OF CTH G TO 7-MILE ROAD SEGMENT)
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 10.9 ACRES (AREA FOR PROJECT 1035-01-79)



O.D. = OUTSIDE DIAMETER

* CULVERT PIPE IN NEW EMBANKMENT = 1' MIN

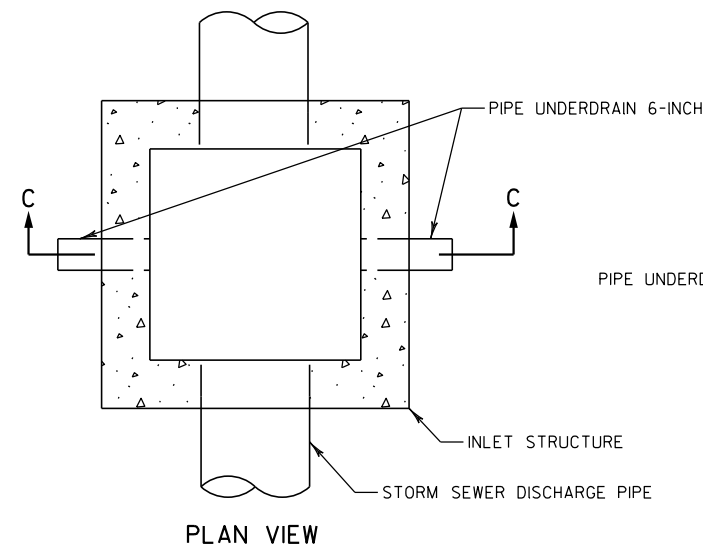
* CULVERT PIPE IN EXISTING EMBANKMENT = TO EXISTING GROUND ELEVATION

CULVERT BACKFILL DETAIL

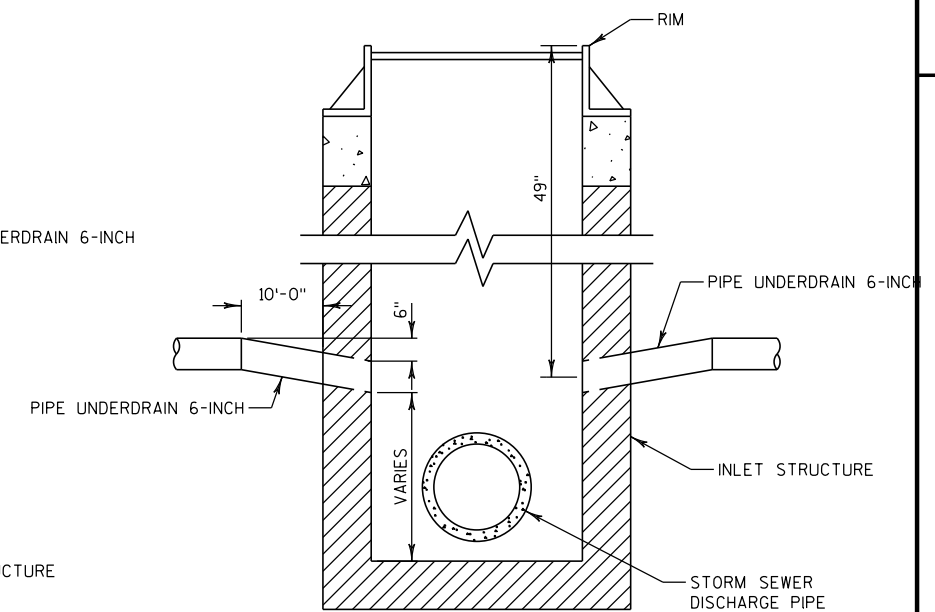
100813

NOTES

1. CONNECTIONS TO INLETS OR MANHOLES IN MEDIAN SHALL USE PIPE UNDERDRAIN, 6-INCH.
2. PROVIDE TWO 6" DIA. OPENINGS FOR UNDERDRAIN PIPE A MINIMUM OF XX" BELOW THE RIM ELEVATION.
3. SEE TYPICAL SECTIONS, STORM SEWER, AND UNDERDRAIN PLANS FOR PIPE UNDERDRAIN LOCATIONS.



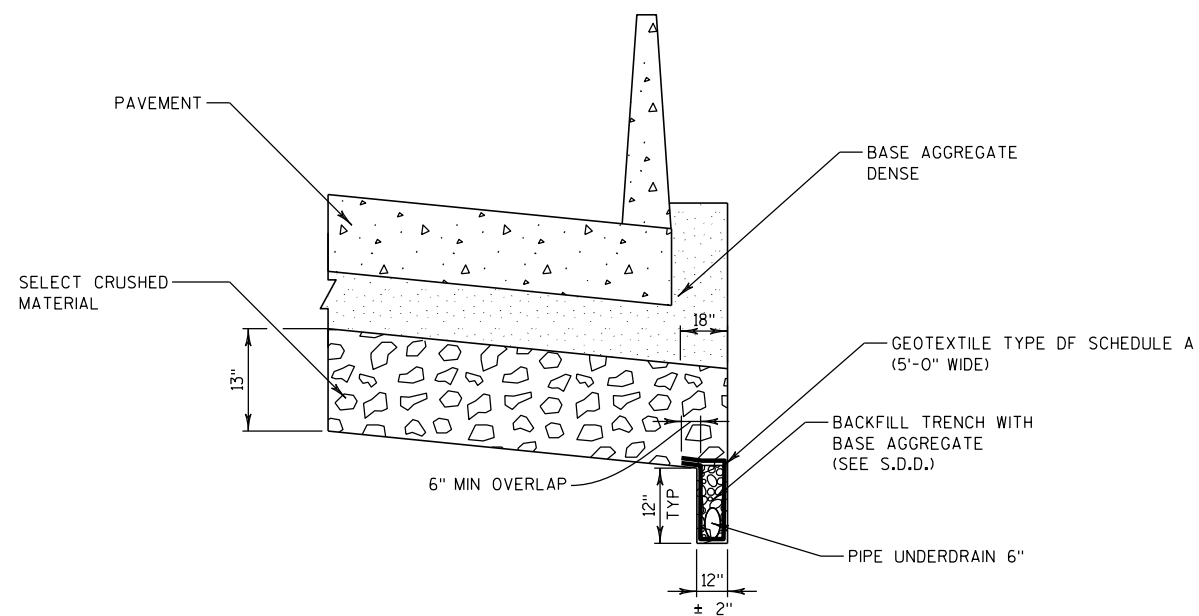
PLAN VIEW



SECTION C-C

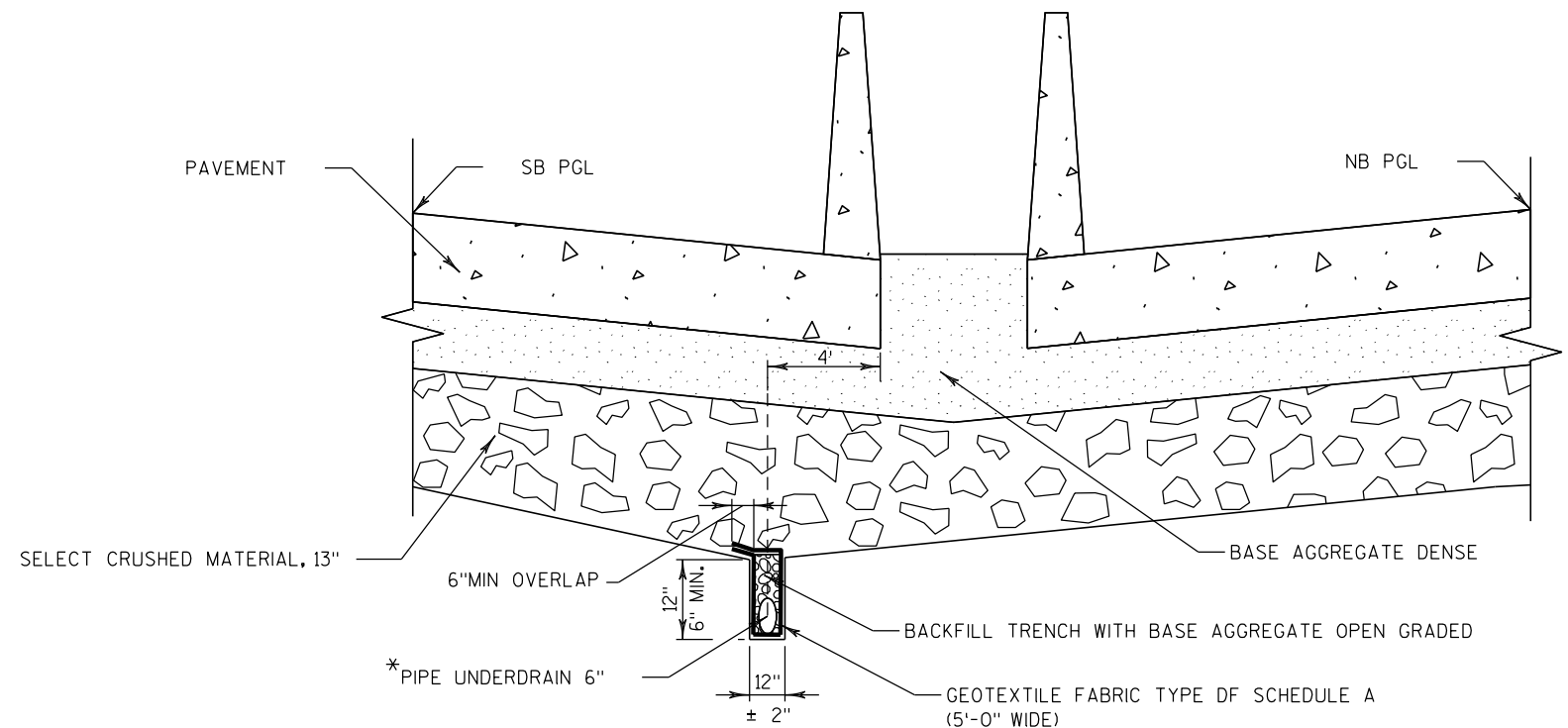
UNDERDRAIN OUTFALL AT INLET

100514



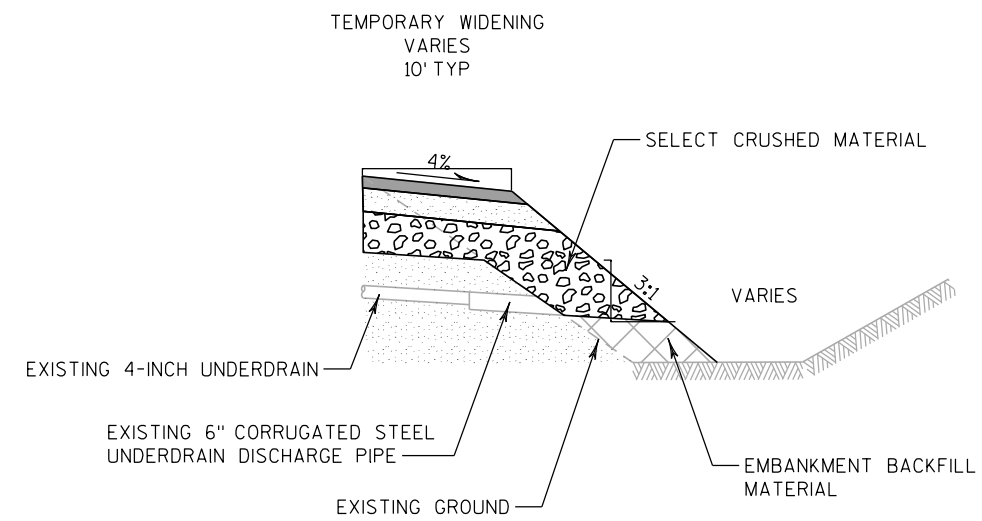
OUTSIDE SHOULDER UNDERDRAIN TRENCH DETAIL

091203

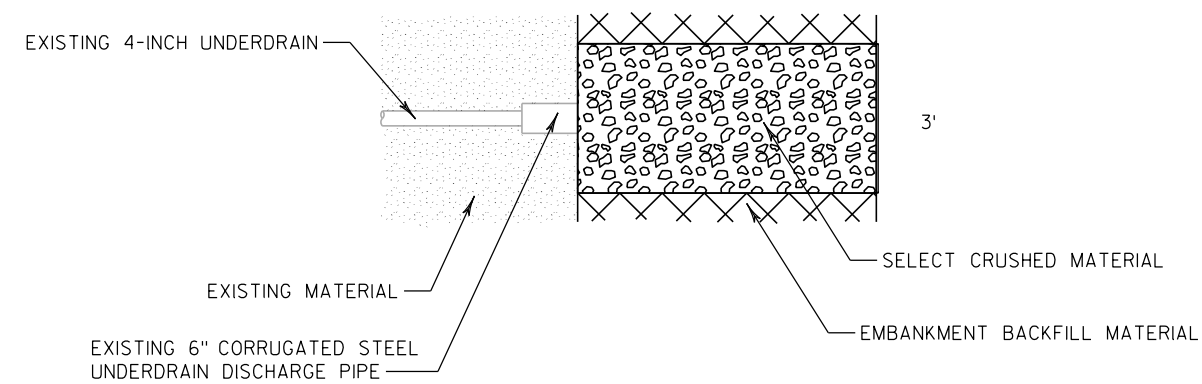


MEDIAN UNDERDRAIN TRENCH DETAIL

*NOTE: WHEN PROJECT IS SPLIT INTO STAGES
INSTALL PIPE UNDERDRAIN IN EARLY STAGE.



SIDE VIEW

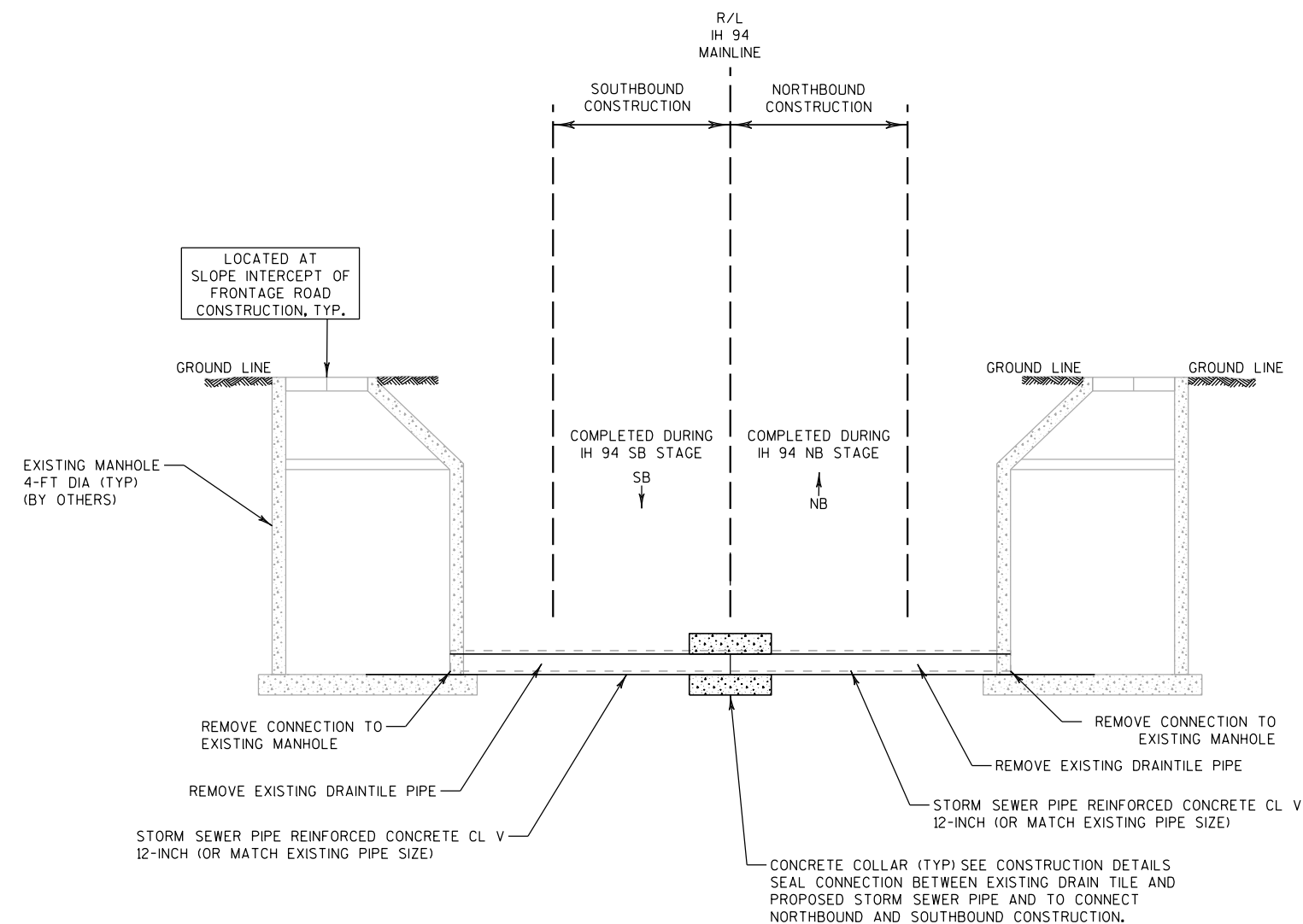


PLAN VIEW

TEMPORARY WIDENING RELIEF TRENCH

STA 1198+75
STA 1203+50
STA 1208+25
STA 1212+50

101102



STAGING NOTES

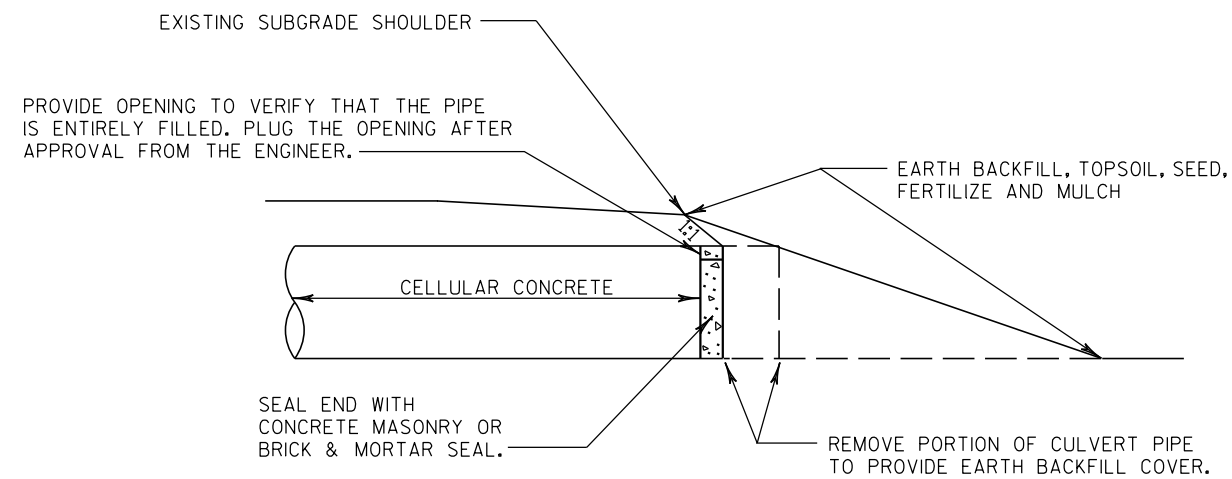
1. REFER TO STAGING PLANS TO DETERMINE APPROPRIATE SIDE TO CONSTRUCT FIRST.
2. LOCATE EXISTING MANHOLE AND REMOVE EXISTING DRAIN TILE FROM MANHOLE TO R/L OF IH 94. INSTALL NEW STORM SEWER PIPE REINFORCED CONCRETE CL V AND CONSTRUCT CONCRETE COLLARS AS SHOWN AT EXISTING TILE/NEW SSPRC CONNECTIONS.
3. REMOVE REMAINING EXISTING DRAINTILE. REMOVE CONCRETE COLLAR PLACED IN PREVIOUS STAGE. INSTALL REMAINING STORM SEWER PIPE REINFORCED CONCRETE CL V FROM EXISTING MANHOLE TO EXISTING SSPRC PLACED IN PREVIOUS MAINLINE STAGE. CONSTRUCT CONCRETE COLLARS AS SHOWN AT EXISTING SSPRC/NEW SSPRC CONNECTIONS.

NOTES

1. IF EXISTING DRAIN TILE IS LARGER THAN 12", MATCH THE EXISTING SIZE IN THE FIELD.
2. GRADING AT MANHOLES WITHIN THE CLEAR ZONE OF THE FRONTAGE ROADS AND MAINLINE IS TO BE FLUSH WITH TOP OF THE MANHOLE.

PIPE UNDERDRAIN CONFIGURATION (FOR MAINLINE CROSSINGS)

2

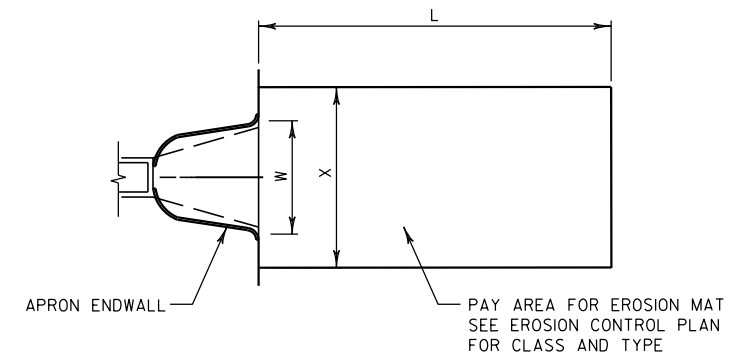


ABANDONING SEWER DETAIL

110210

NOTE TO DESIGNER: When using this detail drawing, include STSP 204-050.

2



W = WIDTH OF APRON ENDWALL

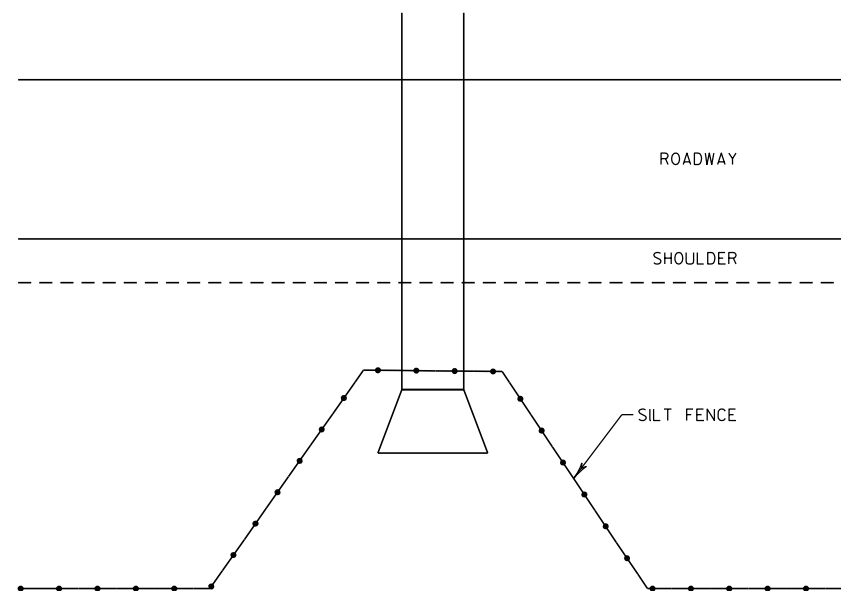
L = 3 x W (NORMAL) OR 10' (MINIMUM) OR
AS INDICATED IN THE PLANS OR
AS DIRECTED BY THE ENGINEER.

X = W+2' FOR TYPICAL CULVERT
DISCHARGE INTO DITCH
W+5' FOR CULVERT DISCHARGE
DOWN EMBANKMENT SLOPE

EROSION MAT TREATMENT AT CULVERTS

SEE EROSION CONTROL PLAN FOR LOCATIONS

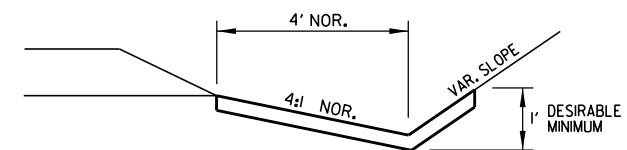
100813



NOTE
SEE SILT FENCE SDD FOR ADDITIONAL INFORMATION.

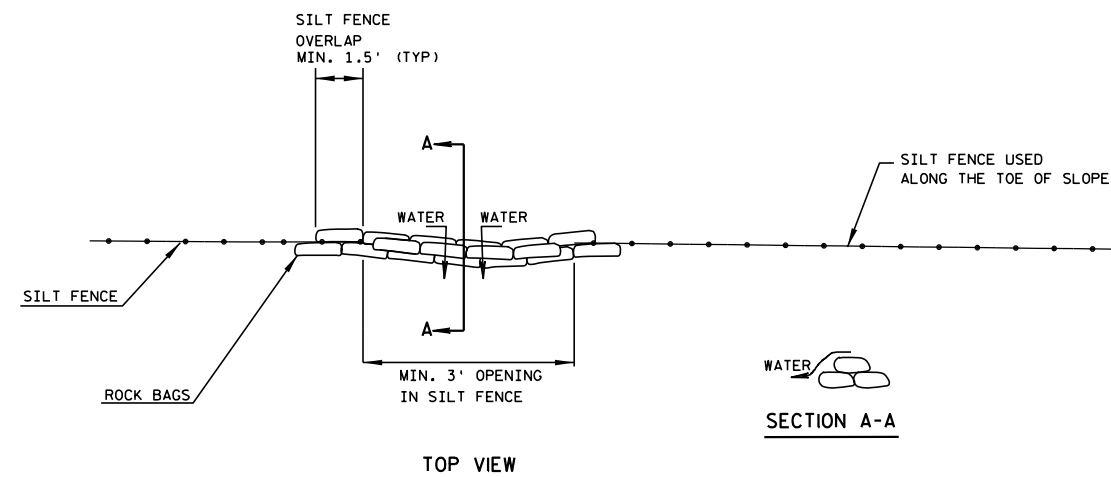
TYPICAL SILT FENCE DETAIL AT PIPE INLET

100902

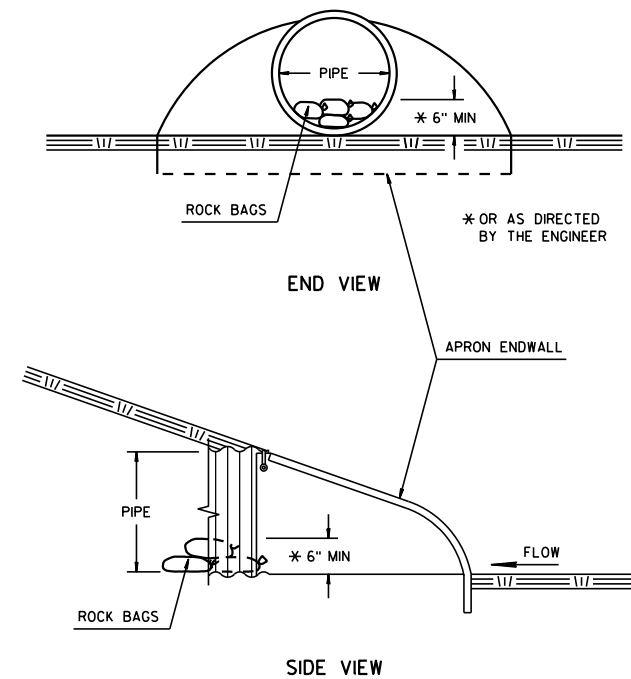


EROSION MAT DETAIL FOR DITCHES

081231



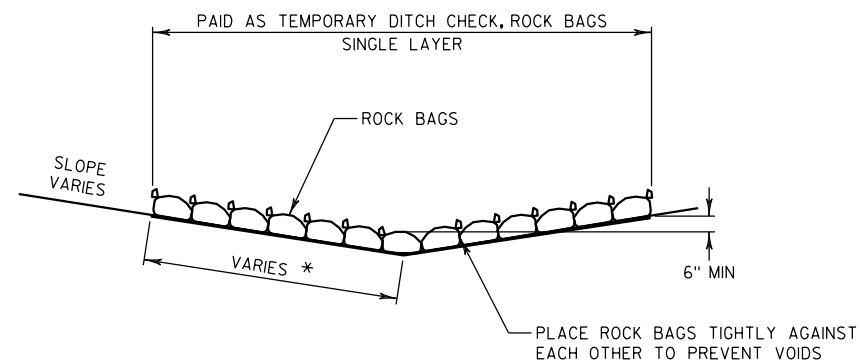
ROCK BAGS USED FOR SILT FENCE RELIEF DETAIL



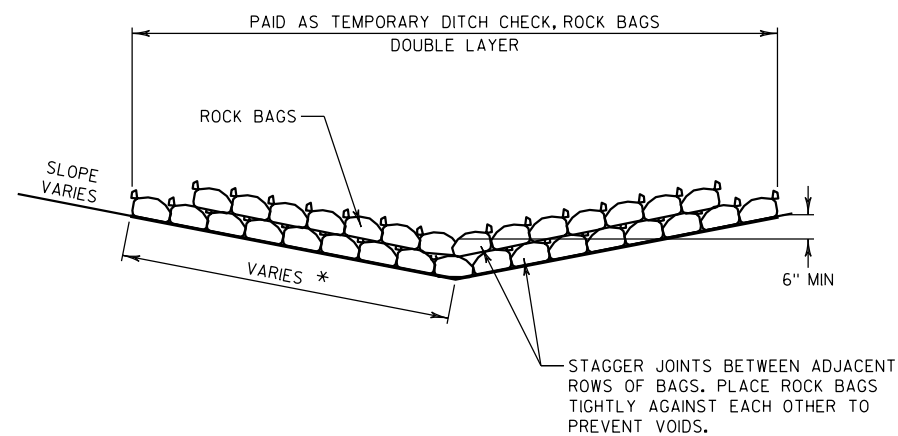
CULVERT PIPE ENDS

ROCK BAGS

ESTIMATED BAG SIZE = 18" X 12" X 6"	
PIPE SIZE	ESTIMATED NUMBER OF BAGS
12"	1
15"	2
18"	2
24"	3
30"	5
36"	7
42"	7
48"	10
54"	10
60"	13
66"	14
72"	16
13"X17"	2
19"X30"	5
24"X38"	7
29"X45"	10
34"X53"	10
38"X60"	13
48"X76"	18



SIDE VIEW (SINGLE LAYER)

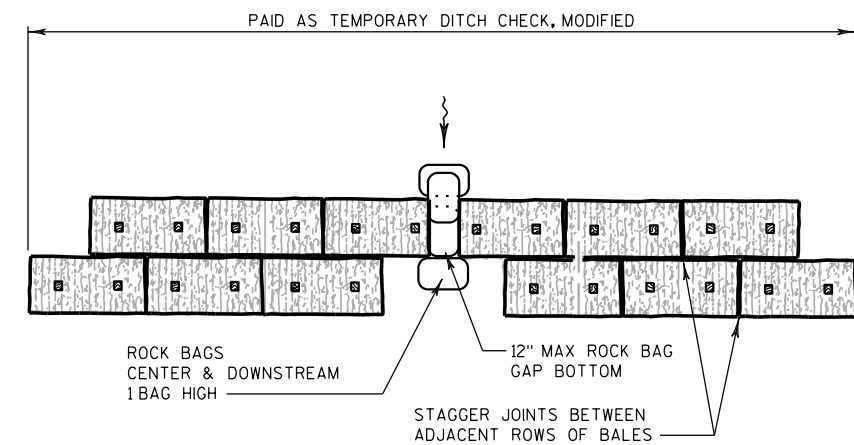


* LENGTH AND NUMBER OF BAGS MAY VARY
DEPENDING ON DESIRED DEPTH OF WATER POOL.

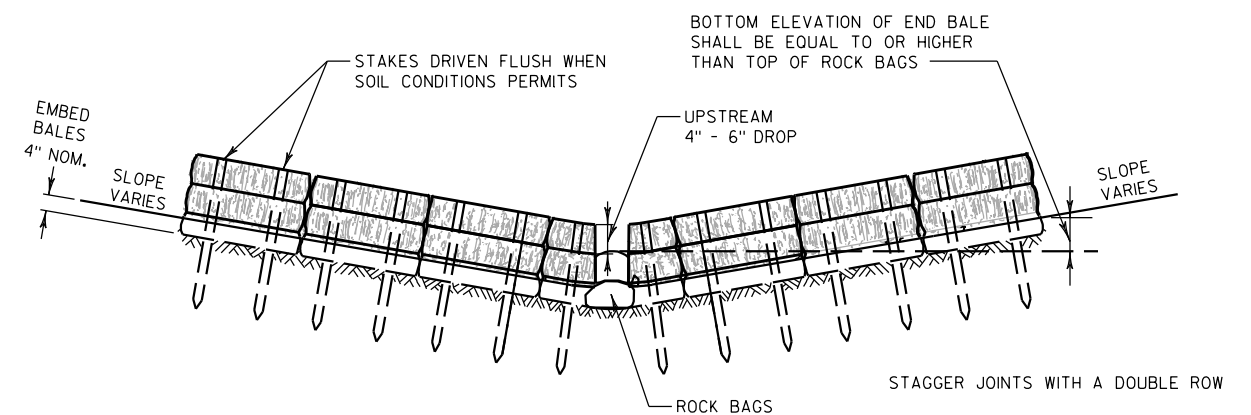
SIDE VIEW (DOUBLE LAYER)

**TEMPORARY DITCH CHECK, ROCK BAGS,
SINGLE LAYER AND DOUBLE LAYER**

NOTE TO DESIGNER: When using this detail drawing, include the corresponding corridor specification
"Temporary Ditch Check, Rock Bags, Single Layer; Temporary Ditch Check, Rock Bags, Double Layer"



PLAN VIEW



FRONT VIEW

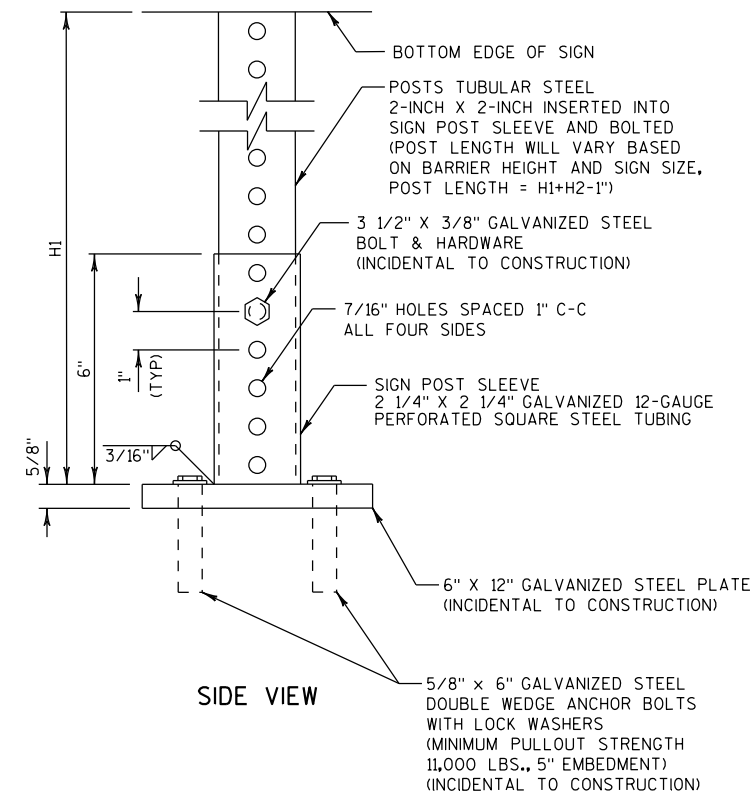
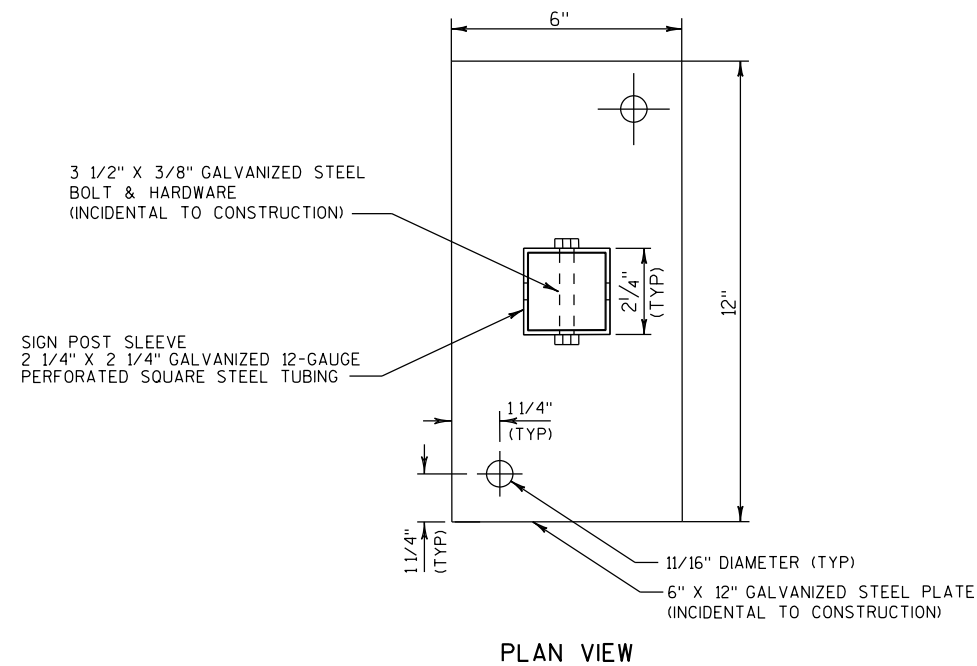
NOTE

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.

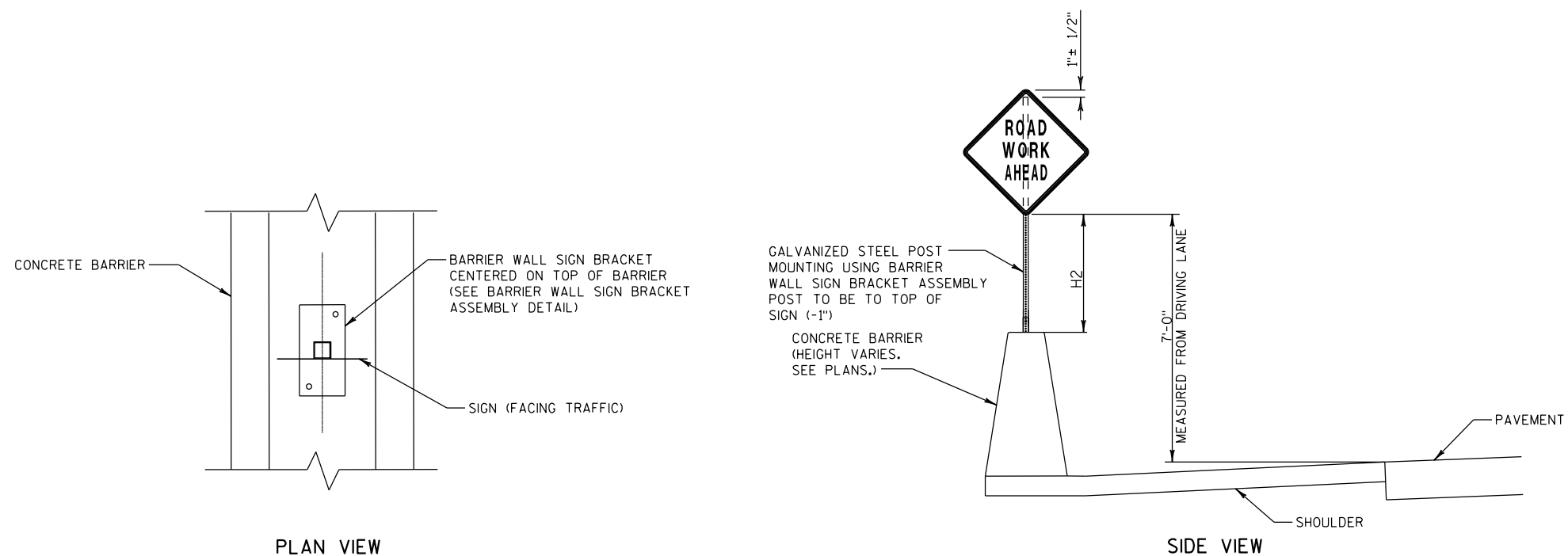
TEMPORARY DITCH CHECK, MODIFIED

NOTE TO DESIGNER: When using this detail drawing,
include the corresponding corridor specification
"Temporary Ditch Check, Modified"

091218



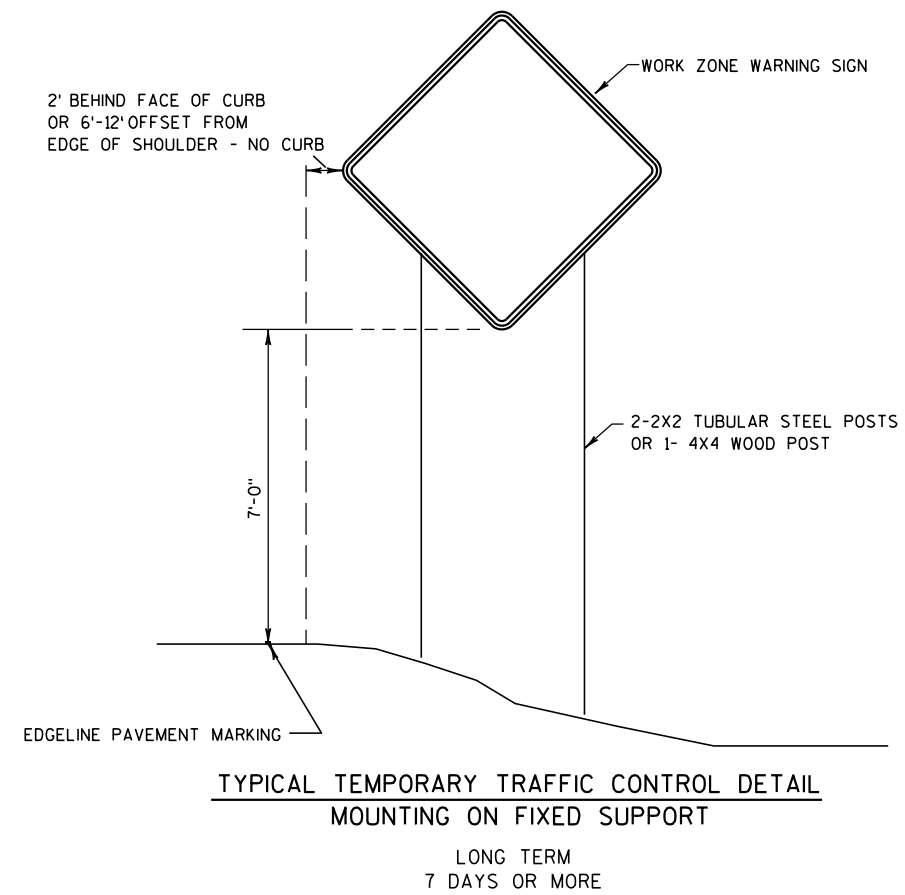
BARRIER WALL SIGN BRACKET ASSEMBLY DETAIL

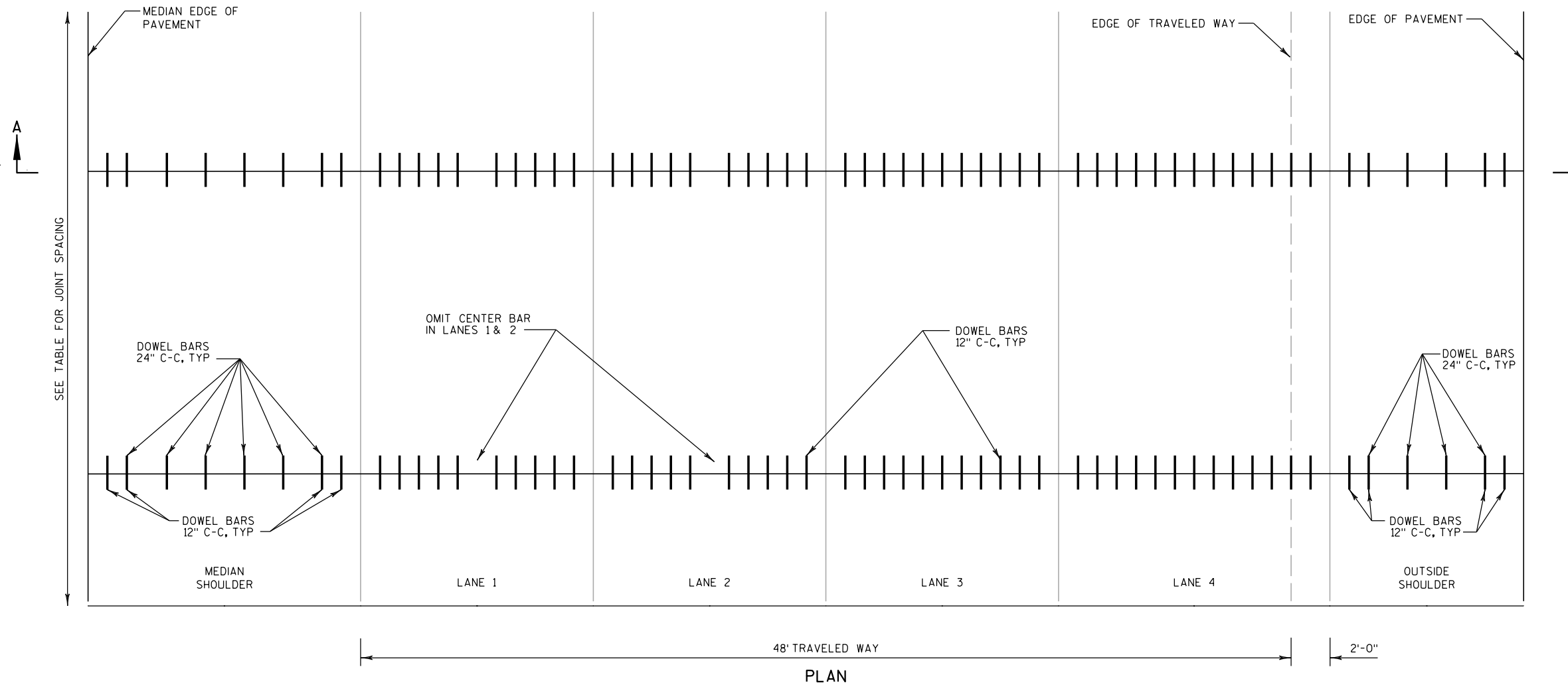
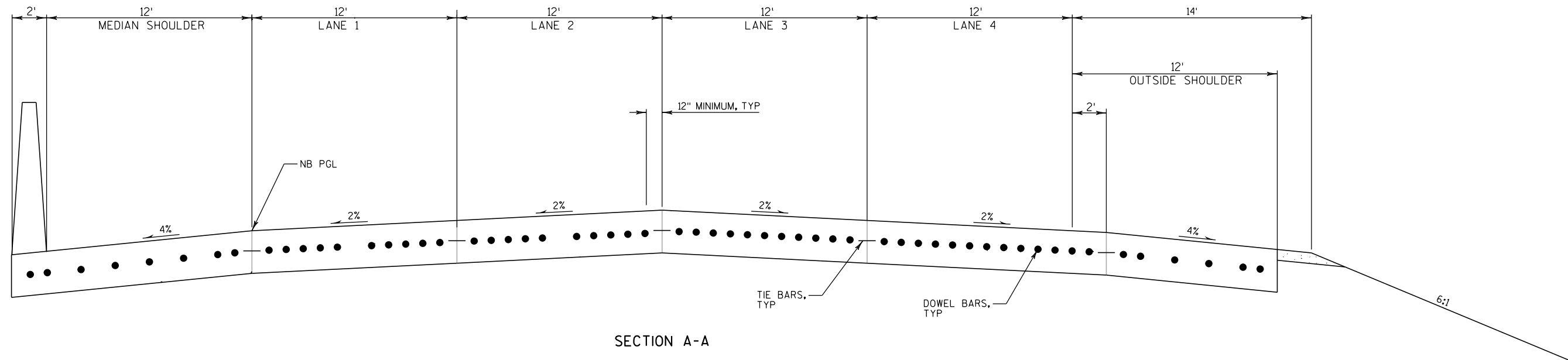


MEDIAN BARRIER MOUNTING DETAIL

MOUNTING SIGNS TO MEDIAN BARRIER

NOT TO SCALE





PAVEMENT DEPTH, DOWEL BAR SIZE
AND JOINT SPACING TABLE

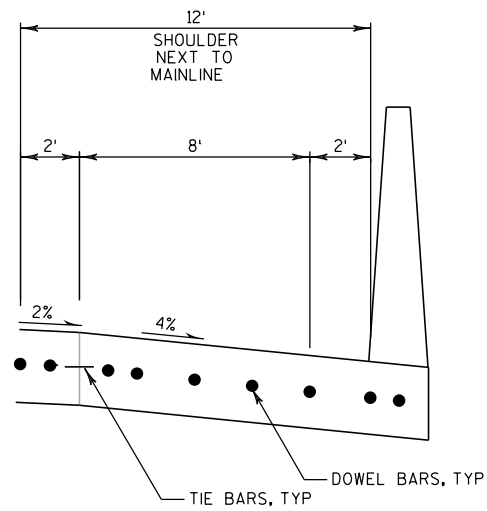
PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
10" & ABOVE	1 1/2"	15'

NOTES

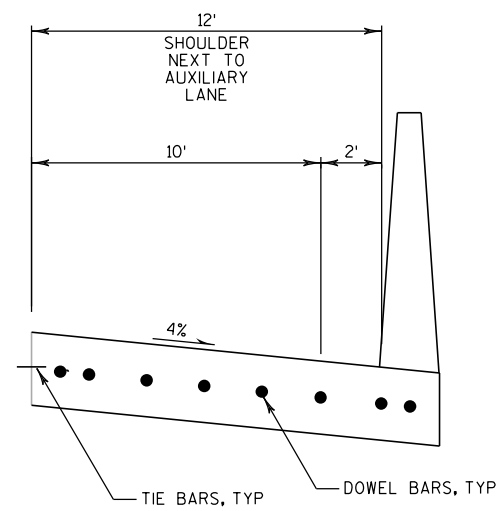
1. DETAILS NOT SHOWN SHALL CONFORM TO STANDARD DETAIL DRAWINGS.
2. LOCATE OUTERMOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS 12 INCHES FROM THE EDGE OF PAVEMENT OR LONGITUDINAL JOINT.
3. TREAT SAWED SURFACES OF TRANSVERSE AND LONGITUDINAL JOINTS WITH SILANE SEALANT.

NOTE TO DESIGNERS: When using this detail drawing, include the corresponding corridor specification 'HPC Pavement Requirements 100813 for Concrete Pavement XX-Inch', as well as corridor detail drawing 'HPC pavement joints shoulder'

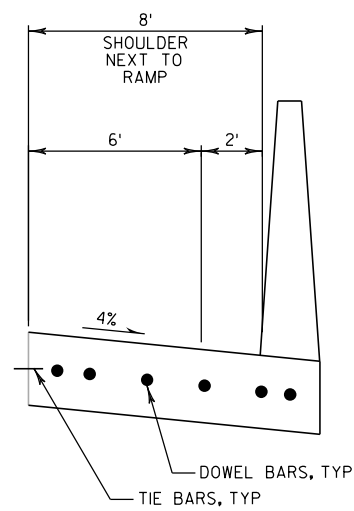
HPC PAVEMENT JOINT DETAIL



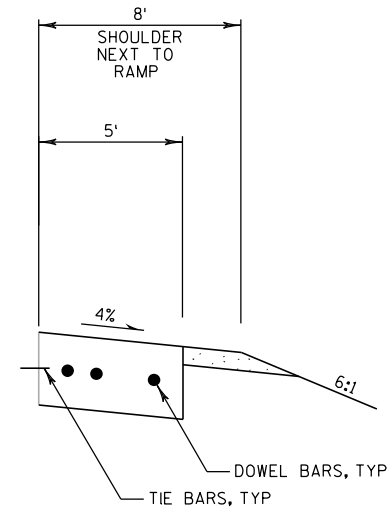
SECTION A-A



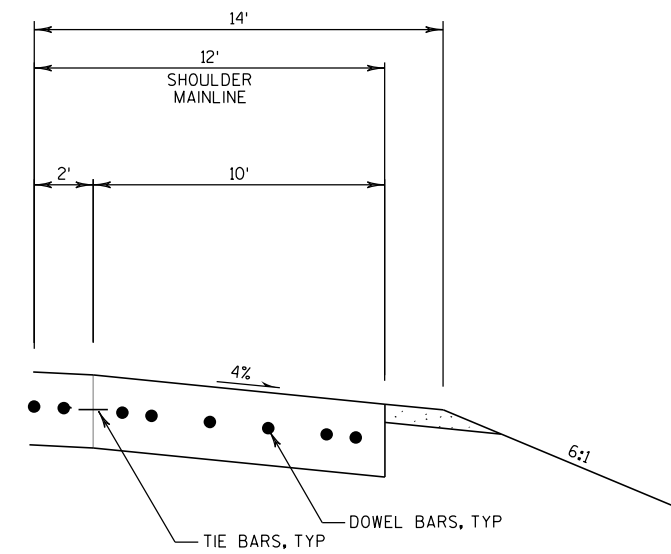
SECTION B-B



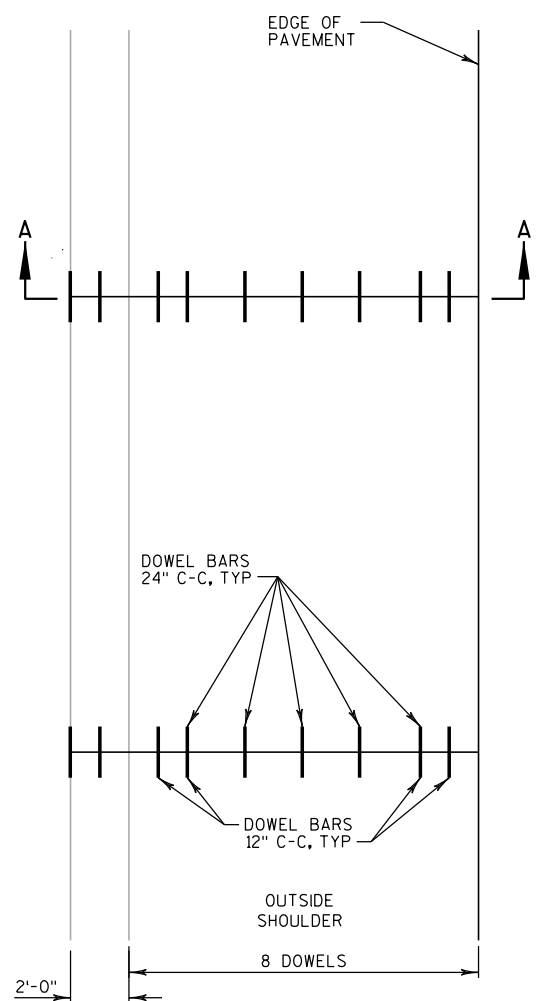
SECTION C-C



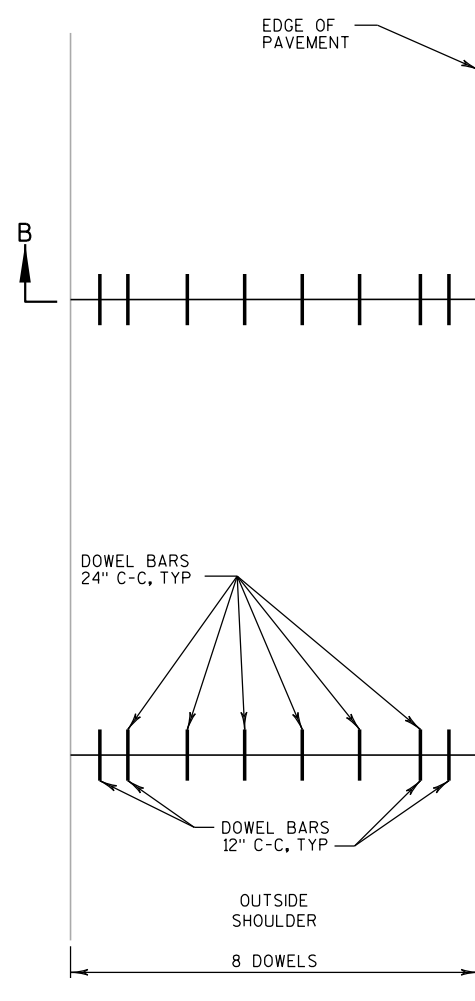
SECTION D-D



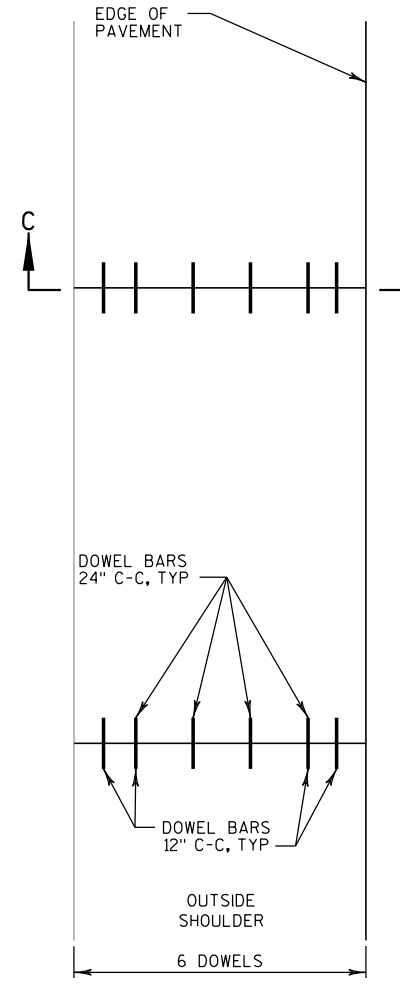
SECTION E-E



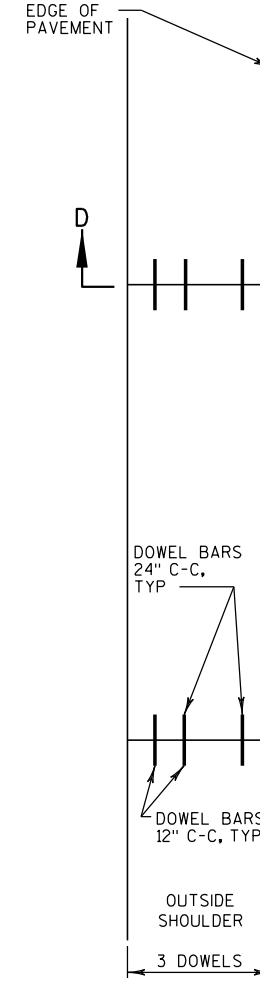
PLAN



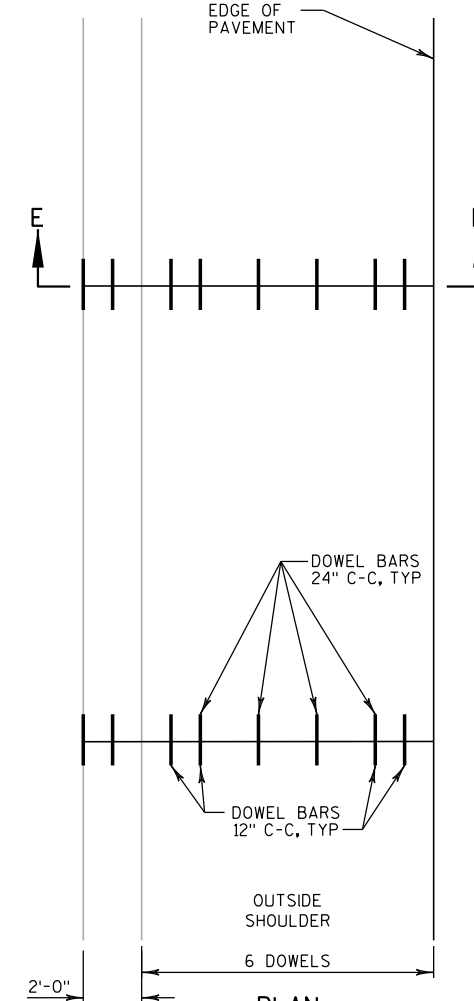
PLAN



PLAN



PLAN



PLAN

PAVEMENT DEPTH, DOWEL BAR SIZE
AND JOINT SPACING TABLE

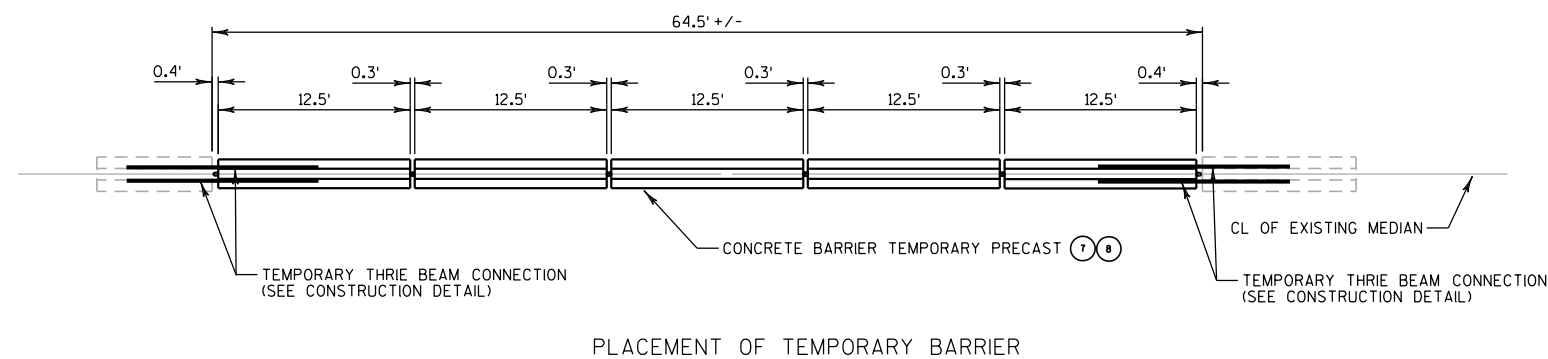
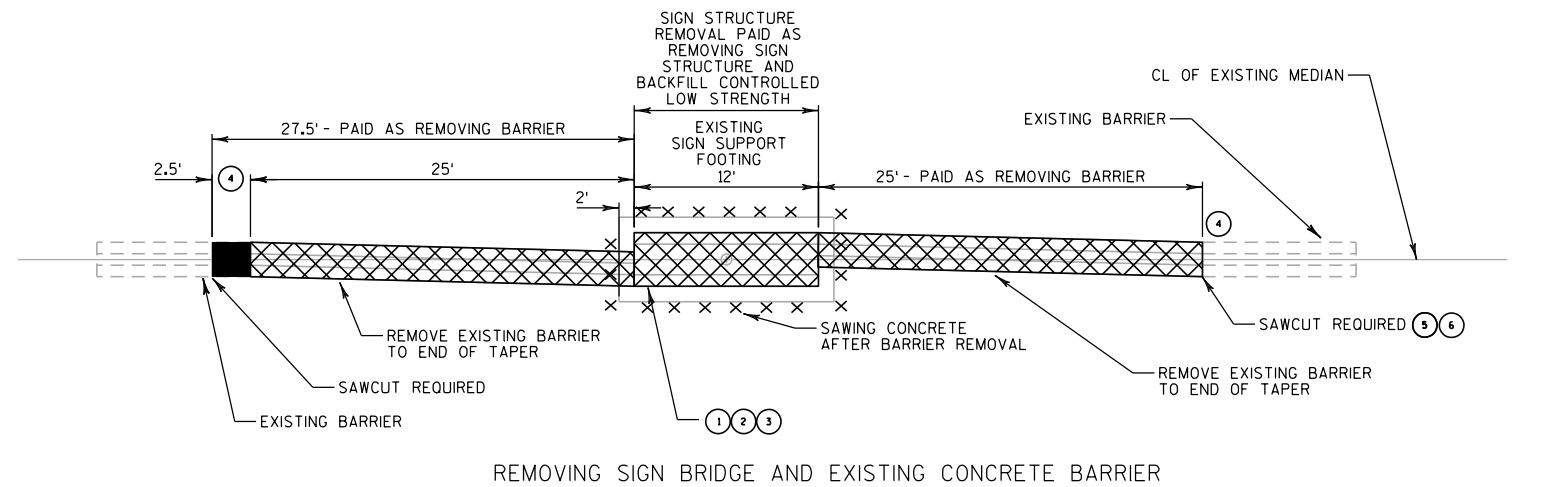
PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
10" & ABOVE	1 1/2"	15'

NOTES

1. DETAILS NOT SHOWN SHALL CONFORM TO STANDARD DETAIL DRAWINGS.
2. LOCATE OUTERMOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS 12 INCHES FROM THE EDGE OF PAVEMENT OR LONGITUDINAL JOINT.
3. TREAT SAWED SURFACES OF TRANSVERSE AND LONGITUDINAL JOINTS WITH SILANE SEALANT.

HPC PAVEMENT JOINT DETAIL - SHOULDERS

100813



REMOVING SIGN BRIDGE NOTCH

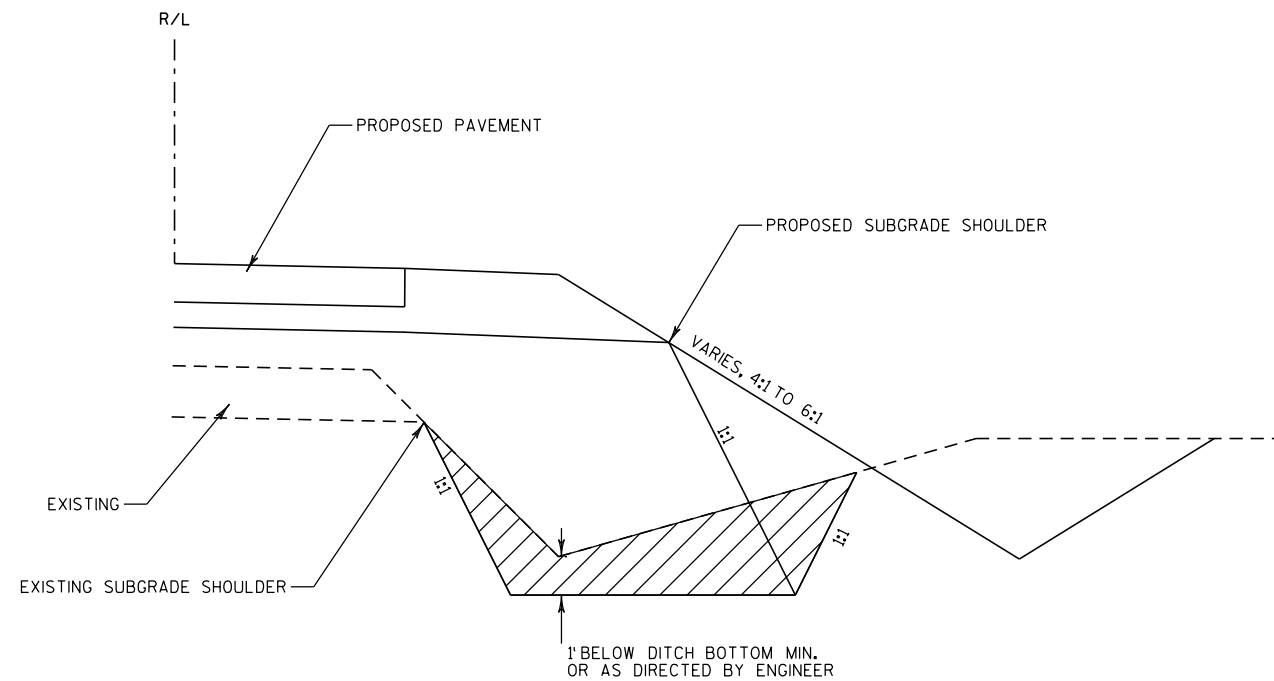
STATION 1205+75

GENERAL NOTES

ALL ITEMS SHOWN ON THIS DETAIL ARE TO BE PAID UNDER THEIR RESPECTIVE BID ITEMS. THESE ITEMS INCLUDE:

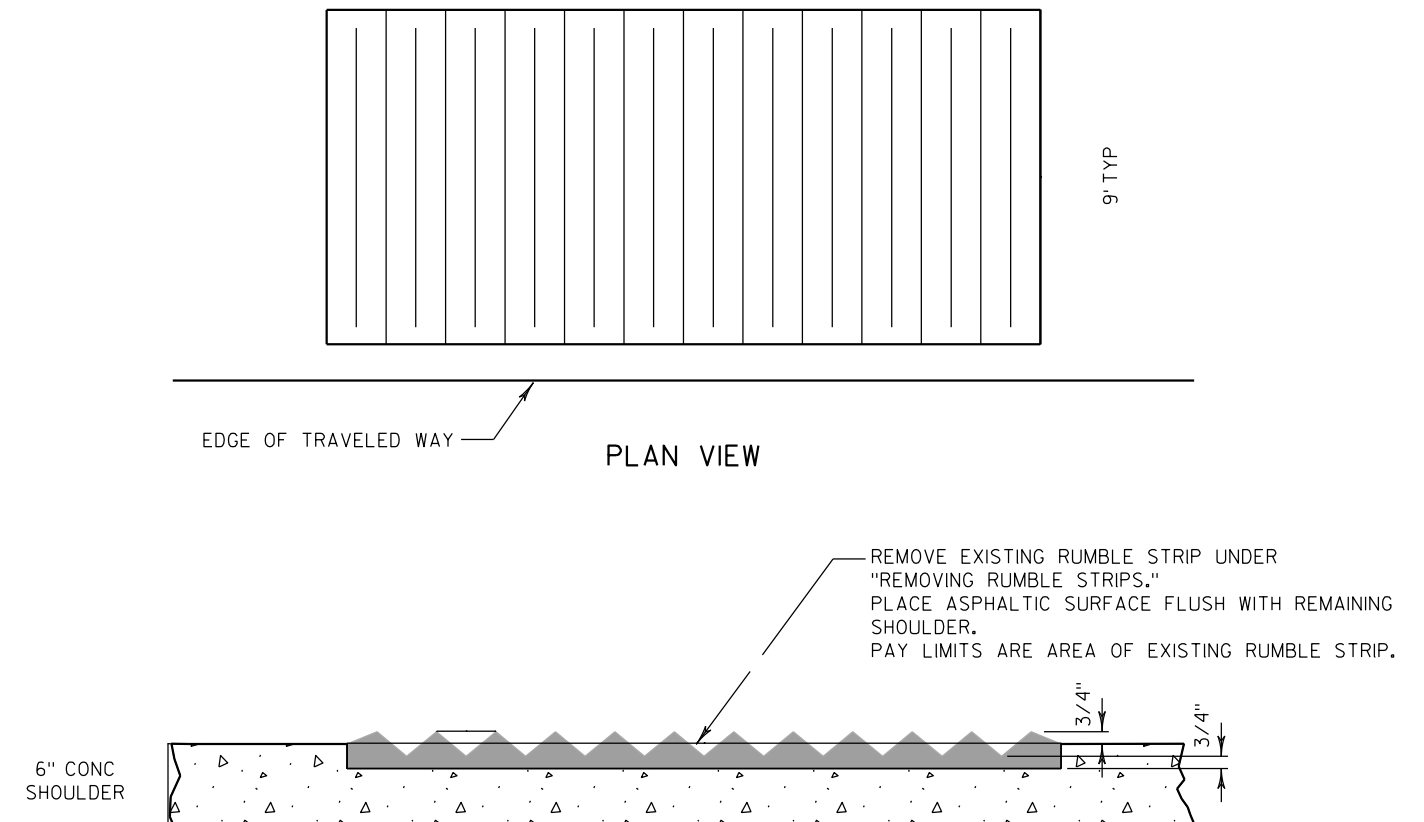
- REMOVING SIGN STRUCTURE S-51-204
- REMOVING CONCRETE BARRIER
- CONCRETE BARRIER TEMPORARY PRECAST DELIVERED
- CONCRETE BARRIER TEMPORARY PRECAST INSTALLED
- TEMPORARY THRIE BEAM CONNECTION
- ASPHALTIC SURFACE TEMPORARY
- BASE AGGREGATE DENSE 1 1/4-INCH
- BACKFILL CONTROLLED LOW STRENGTH
- REMOVING PAVEMENT
- SAWCING CONCRETE

- ① REMOVE EXISTING SIGN STRUCTURE, REMOVAL OF SIGN STRUCTURE PAID FOR AS REMOVING SIGN STRUCTURE S-51-204, SEE TRAFFIC CONTROL PLANS FOR DETAILS.
- ② AFTER REMOVAL OF SIGN STRUCTURE, CONTRACTOR TO VERIFY CONDITION AND REPAIR ANY DAMAGE TO EXISTING PIPE, UNDERDRAIN OR STORM SEWER. IF NECESSARY, REPAIR OF UNDERDRAIN OR STORM SEWER TO BE PAID UNDER STORM SEWER ITEMS.
- ③ BACKFILL ALL REMOVAL AREAS WITH BACKFILL CONTROLLED LOW STRENGTH PLACE 5" ASPHALT TEMPORARY OVER 6" 1-1/4-INCH BAD
- ④ IF FIELD MEASUREMENTS INDICATE REMOVAL OF ADDITIONAL EXISTING BARRIER IS NECESSARY, REMOVE CONCRETE BARRIER IN INCREMENTS OF 12.8 FEET IN ADDITION TO THE 64.5 FOOT REMOVAL.
- ⑤ CONTRACTOR TO VERIFY SAWCUT LOCATIONS AND TEMPORARY CONCRETE BARRIER TOLERANCES.
- ⑥ SAWCUTS FOR BARRIER WALL REMOVAL ARE INCIDENTAL TO THE ITEM REMOVING CONCRETE BARRIER.
- ⑦ ALL SECTIONS OF THE TEMPORARY CONCRETE BARRIER ARE REQUIRED TO BE ANCHORED. SEE CONSTRUCTION DETAIL FOR TEMPORARY THRIE BEAM CONNECTION.
- ⑧ SEE SDD CONCRETE BARRIER TEMPORARY PRECAST 12' 6" FOR DETAILS OF WORKMANSHIP OF THE TEMPORARY BARRIER.



EBS AT DITCH FILLS AT MAINLINE

1. UTILIZE DETAIL FOR ALL AREAS WHERE FILL IS TO BE PLACED OVER AN EXISTING DITCH.
2. EXCAVATE AREA TO A MINIMUM OF 1-FOOT BELOW EXISTING DITCH BOTTOM OR AS DIRECTED BY ENGINEER IN THE FIELD.
3. EBS AREA TO BE BACKFILLED WITH MATERIAL ACCEPTABLE TO THE ENGINEER.
4. BACKFILL MUST BE HOMOGENEOUS WITH ADJOINING FILL MATERIAL.
5. EXACT LOCATIONS AND EXTENTS OF EBS SECTIONS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

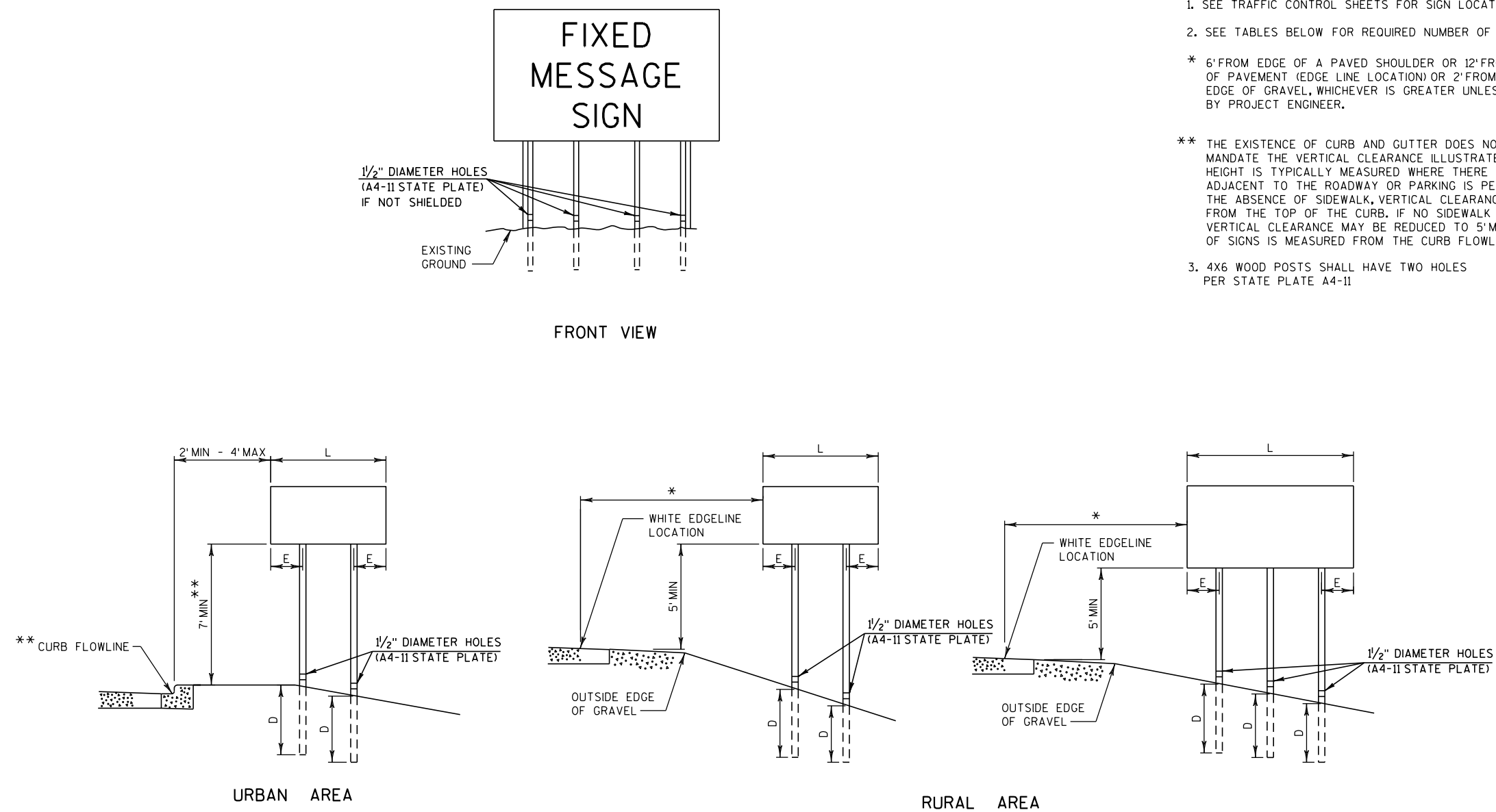


PROFILE VIEW

NOTE

1. RUMBLE STRIPS ARE LONGITUDINALLY SPACED 60' CENTER TO CENTER
2. IF THE RUMBLE STRIP ENDS AT OR NEAR A CONCRETE JOINT, MILL OUT AN ADDITIONAL 1' OF CONCRETE PAST THE JOINT BEFORE FILLING WITH ASPHALT.

REMOVING RUMBLE STRIPS

**NOTES**

1. SEE TRAFFIC CONTROL SHEETS FOR SIGN LOCATIONS.
2. SEE TABLES BELOW FOR REQUIRED NUMBER OF POSTS.
- * 6' FROM EDGE OF A PAVED SHOULDER OR 12' FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) OR 2' 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. IF NO SIDEWALK AND NO PARKING, VERTICAL CLEARANCE MAY BE REDUCED TO 5' MINIMUM. OFFSET OF SIGNS IS MEASURED FROM THE CURB FLOWLINE.
3. 4X6 WOOD POSTS SHALL HAVE TWO HOLES PER STATE PLATE A4-II

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)	
L	E
GREATER THAN 48" LESS THAN 60"	12"
60" TO 120"	L/5

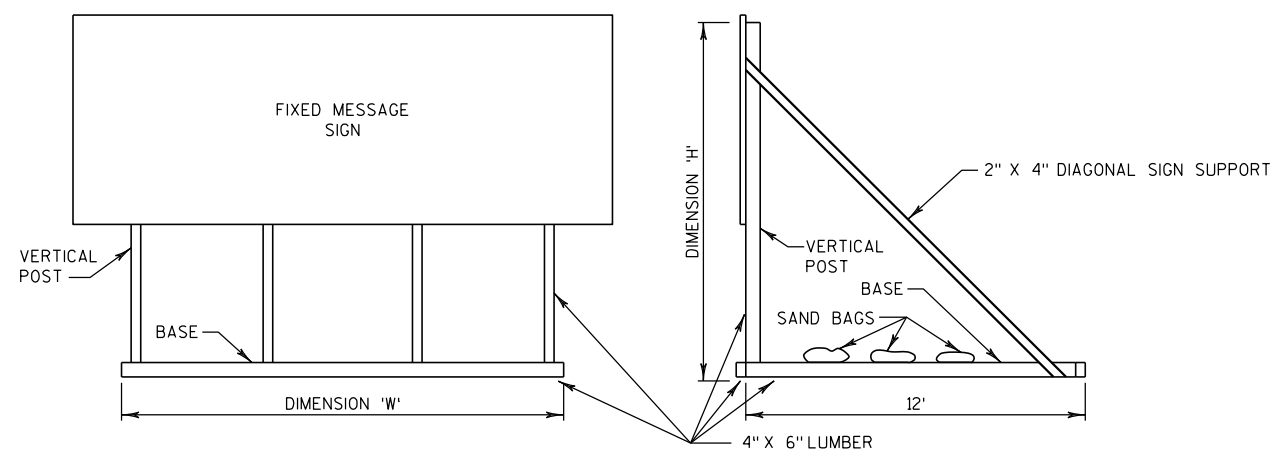
SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
GREATER THAN 120" LESS THAN 168"	12"

SIGN SHAPE OTHER THAN DIAMOND (FOUR POSTS REQUIRED)	
L	E
168" AND GREATER	12"

POST EMBEDMENT DEPTH

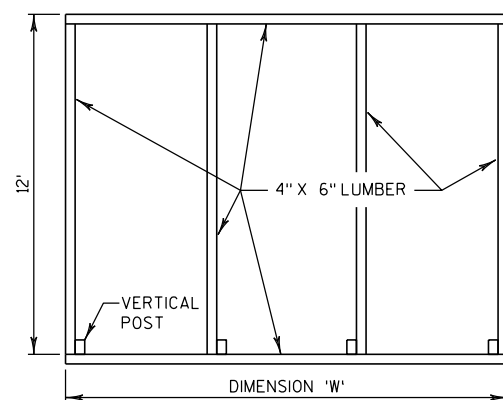
AREA OF SIGN INSTALLATION (SQ. FT.)	D (MIN)
20 OR LESS	4'
GREATER THAN 20	5'

POST MOUNTING DETAIL FOR TRAFFIC CONTROL FIXED MESSAGE SIGNS

FIXED MESSAGE SIGN PORTABLE SUPPORT SPECIAL

FRONT VIEW

SIDE VIEW



BASE PLAN VIEW

ANTICIPATED DIMENSIONS & POSTS REQUIRED
(FOR INFO ONLY, CONTRACTOR IS TO VERIFY)

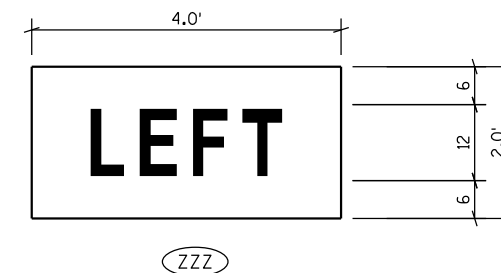
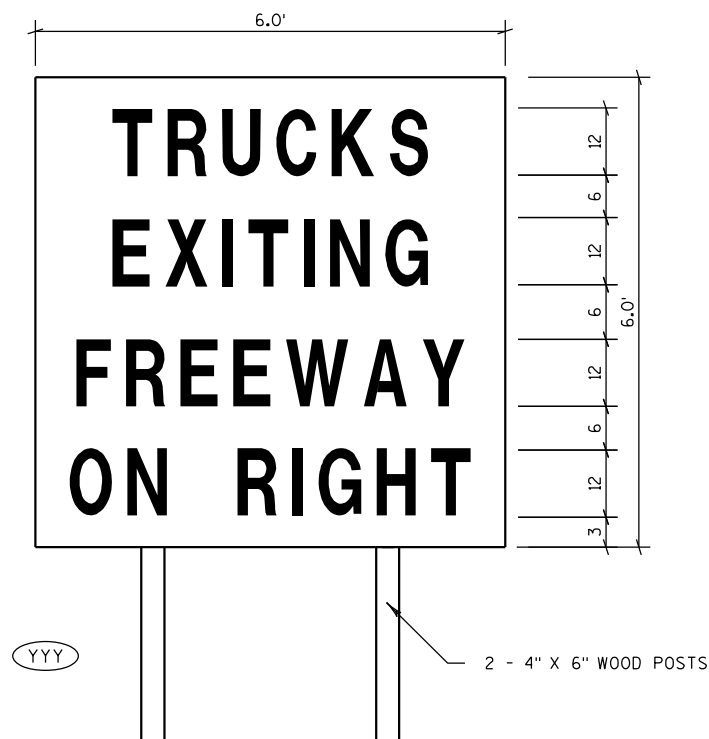
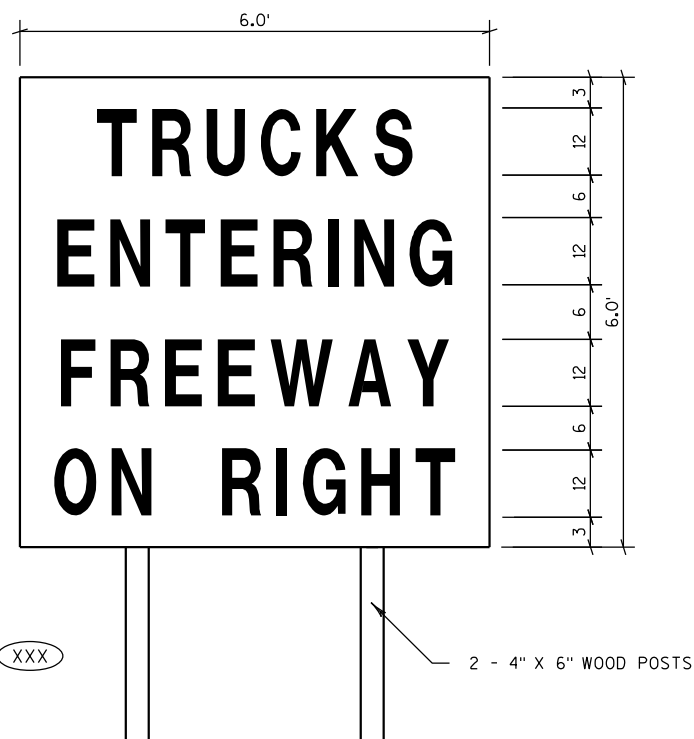
SIGN NO.	'W' (FT)	'H' (FT)	NO. OF POSTS OF HEIGHT 'H'
2001	8'	6.5'	--
2002	5'	3.5'	--
2003	7'	7'	2
2004	19'	8'	2
2005	12'	3.5'	2
2006	9'	5'	2
2007	19'	1.67'	--

NOTES

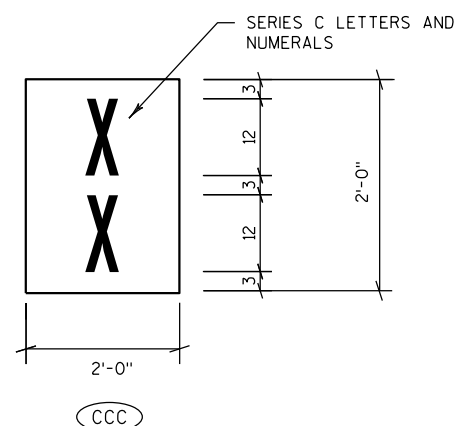
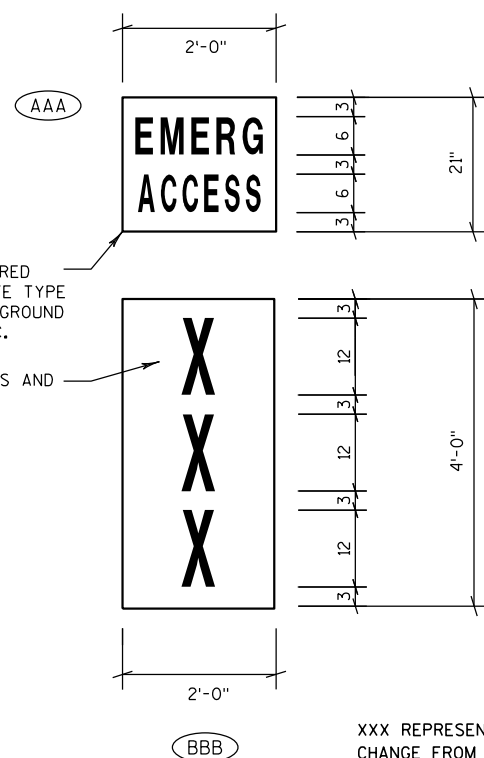
1. SEE TRAFFIC CONTROL SHEETS FOR SIGN LOCATIONS.
2. TWO DIAGONAL SUPPORTS SHALL BE INCLUDED AND AFFIXED TO THE OUTSIDE SUPPORTS.
3. DIAGONAL SUPPORTS, VERTICAL POSTS AND BASE LUMBER ARE ALL INCLUDED IN THE "FIXED MESSAGE SIGN PORTABLE SUPPORT" ITEM.
4. PROVIDE AN ADEQUATE NUMBER OF SAND BAGS TO HOLD THE SIGN IN PLACE. SAND BAGS ARE INCLUDED IN THE "FIXED MESSAGE SIGN PORTABLE SUPPORT" ITEM.
5. SEE "TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS" SIGN PLATE FOR ADDITIONAL REQUIREMENTS.

NOTE TO DESIGNER: When using this detail drawing,
include the corresponding corridor specificationNOTE TO DESIGNER:
Edit notes, labels and table as applicable to your project.

NOTE,
THIS INSTALLATION METHOD ONLY ALLOWED
WHEN BEHIND BARRIER WALL OR GUARDRAIL
WHERE POSTS CANNOT BE INSTALLED INTO GROUND



FIXED MESSAGE SIGNS



EMERGENCY ACCESS SIGNS

WORK ZONE INGRESS/EGRESS

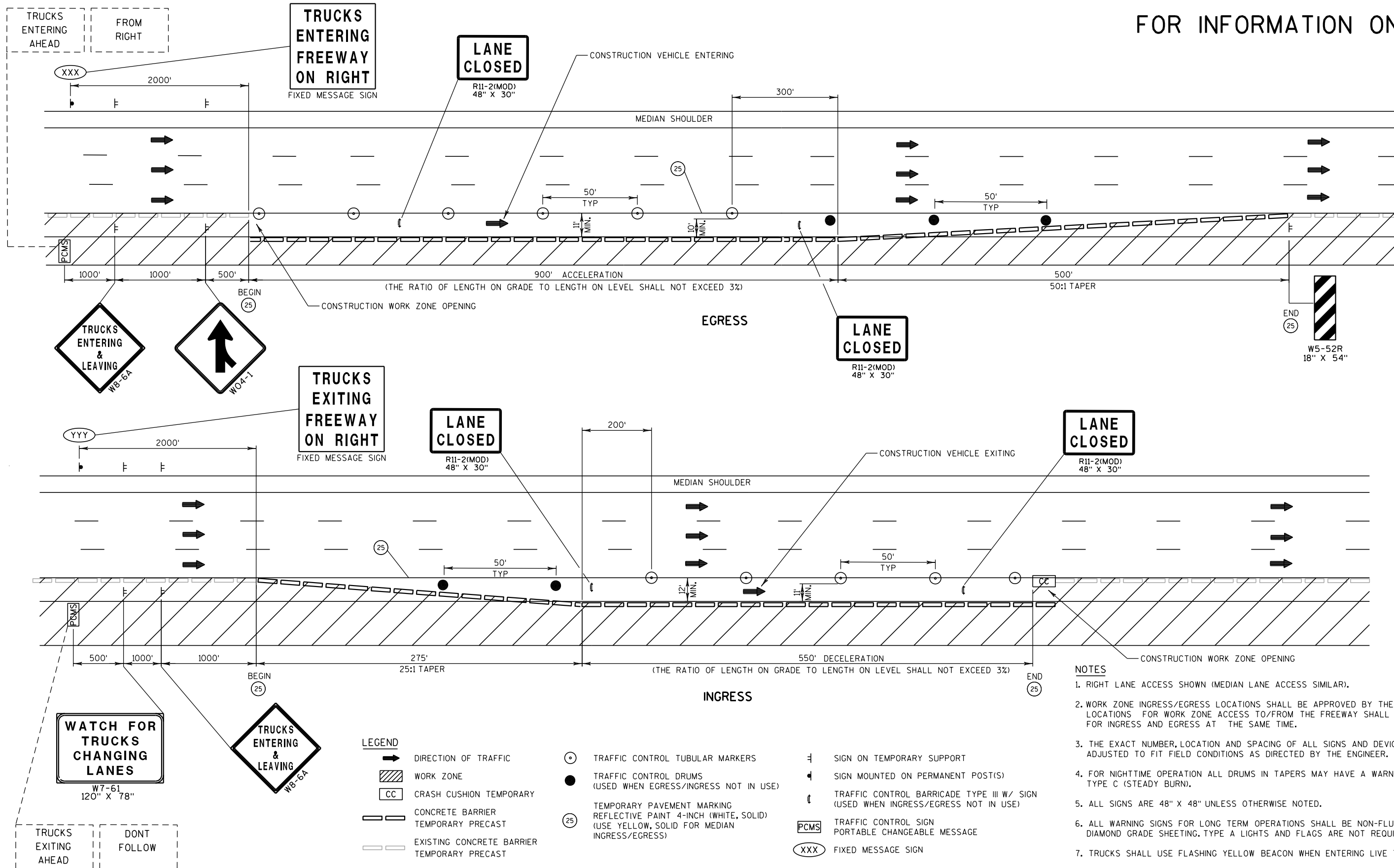
NOTES

1. AFTER SIGNS HAVE BEEN LOCATED IN THE FIELD, BUT BEFORE INSTALLATION, THE SIGNING AND MARKING SUPERVISOR SHALL VERIFY EACH SIGN LOCATION.
2. ALL SIGNS TO BE MOUNTED ON WOODEN POST SUPPORTS (4"x6"). THE NUMBER OF POSTS REQUIRED FOR EACH LAYOUT IS SHOWN. STEEL POSTS (2"x2") MAY BE USED FOR SIGNS ON SURFACE STREETS. SIGNS WHERE NO POSTS ARE SHOWN TO BE MOUNTED ON EXISTING SIGNS. FOR SIGNS MOUNTED ON POSTS, USE POSTS FROM FHWA LIST OF ACCEPTED BREAKAWAY SIGN SUPPORTS.
3. SIGNS ON THIS SHEET TO BE PAID UNDER THE ITEM "TRAFFIC CONTROL SIGNS FIXED MESSAGE".
4. SIGNS SHALL BE BLACK NON-REFLECTIVE MESSAGE ON ORANGE TYPE F REFLECTIVE BACKGROUND UNLESS OTHERWISE NOTED.
5. ALL SIGNS SHALL HAVE CAPITAL LETTERS AND NUMERALS: 12" AND 8" CAPS SHALL BE SERIES "D", 6" CAPS SHALL BE SERIES "C" UNLESS OTHERWISE NOTED.
6. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO ENGINEER FOR REVIEW PRIOR TO MANUFACTURING.
7. SIGN BASE MATERIAL SHALL BE ACCORDING TO SECTION 637.2.1.2..
8. DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

(XXX) = FIXED MESSAGE SIGN NUMBER

111015

FOR INFORMATION ONLY

**WORK ZONE INGRESS/EGRESS**

POSTED SPEEDS 55 MPH OR LESS

PROJECT NO: 1035-01-79

HWY: IH 94

COUNTY: RACINE

CONSTRUCTION DETAILS

SHEET

PRE_27

E

FILE NAME : Z:\racine\CADD\20\20M\CDS\021001-cd.dgn

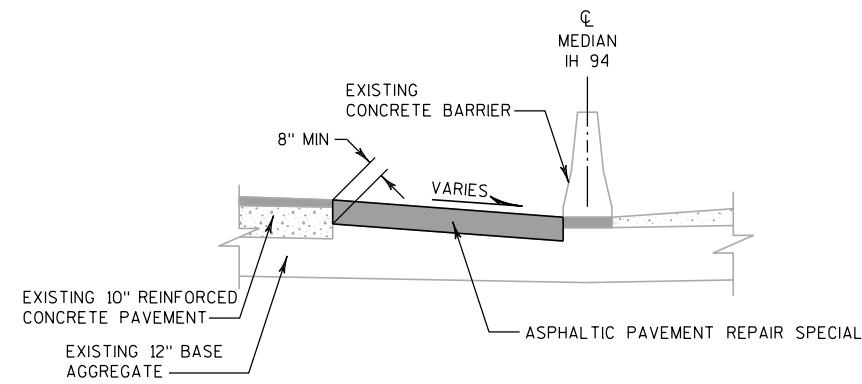
PLOT DATE : 6/14/2017

PLOT BY : heather.stabo

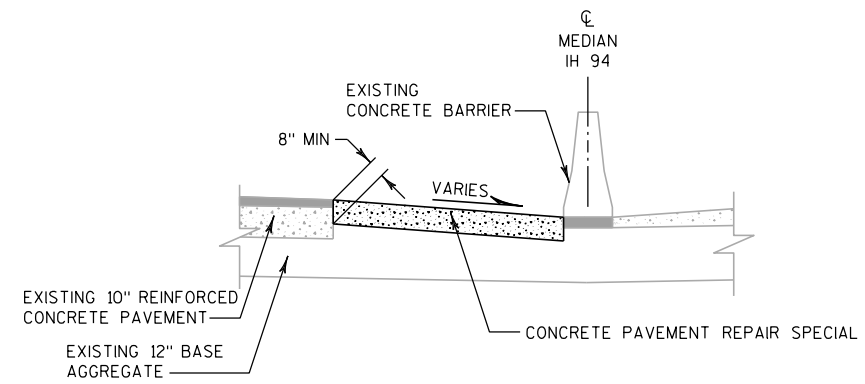
PLOT NAME :

PLOT SCALE : 1:200

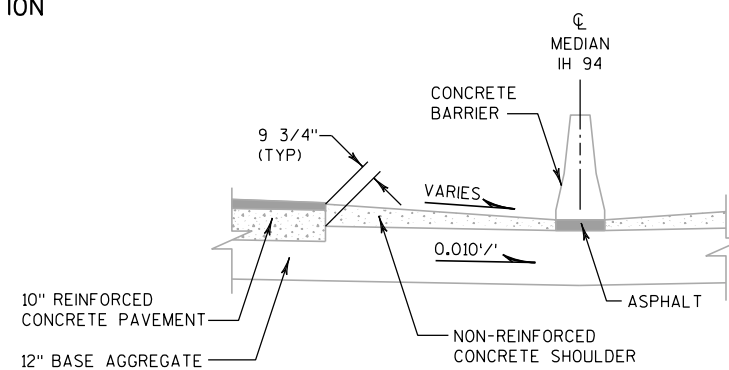
WISDOT/CADD SHEET 42



TYPICAL PROPOSED SECTION - ASPHALT OPTION
(DRAINAGE STRUCTURES NOT SHOWN)



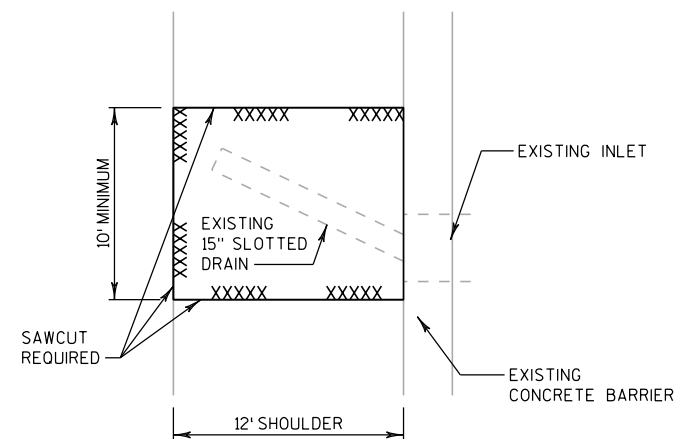
TYPICAL PROPOSED SECTION - CONCRETE OPTION
(DRAINAGE STRUCTURES NOT SHOWN)



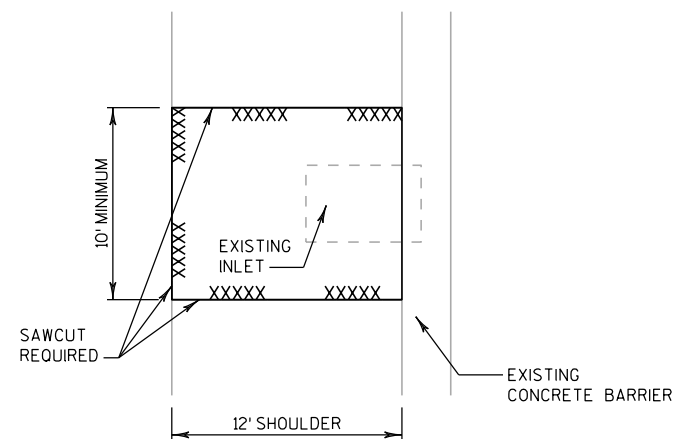
TYPICAL EXISTING SECTION
(DRAINAGE STRUCTURES NOT SHOWN)

NOTES

1. SAWCUT LIMITS TO BE DETERMINED BY THE ENGINEER.
2. IF VOIDS EXIST UNDER AREAS TO BE REPAIRED, AND AT THE DIRECTION OF THE ENGINEER, BACKFILL WITH BASE AGGREGATE DENSE AND/OR BACKFILL CONTROLLED LOW STRENGTH.

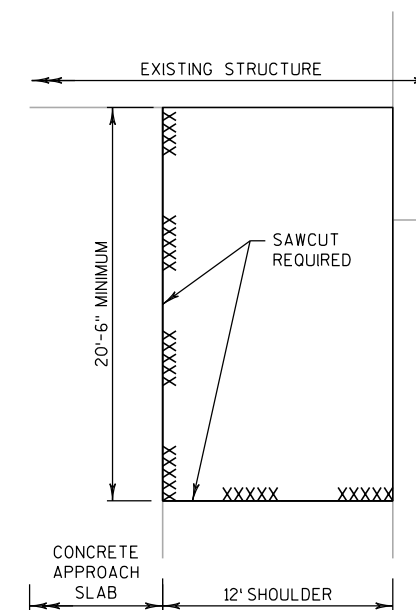


PLAN VIEW
REPAIR AT SLOTTED DRAIN



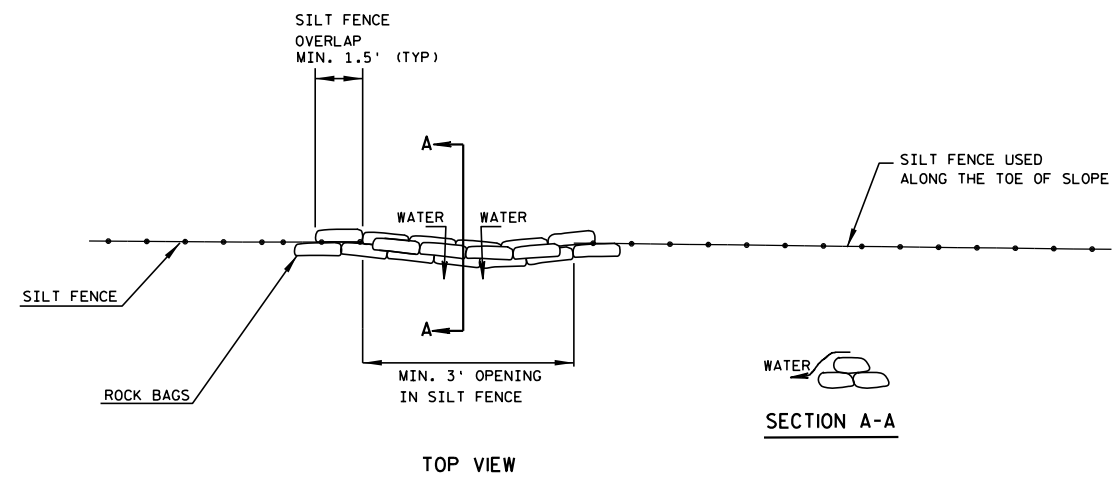
PLAN VIEW
REPAIR AT INLET

SHOULDER REPAIR

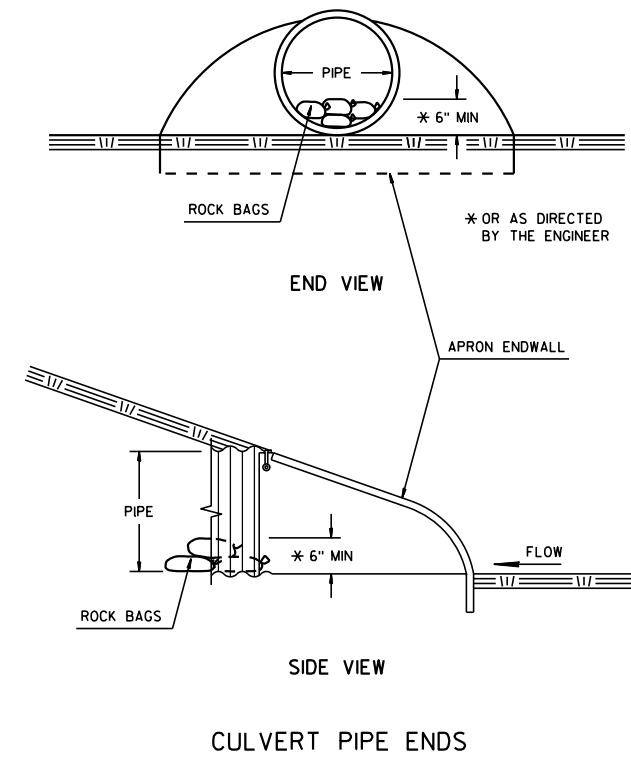


PLAN VIEW
REPAIR AT BRIDGE APPROACH SLAB

100818

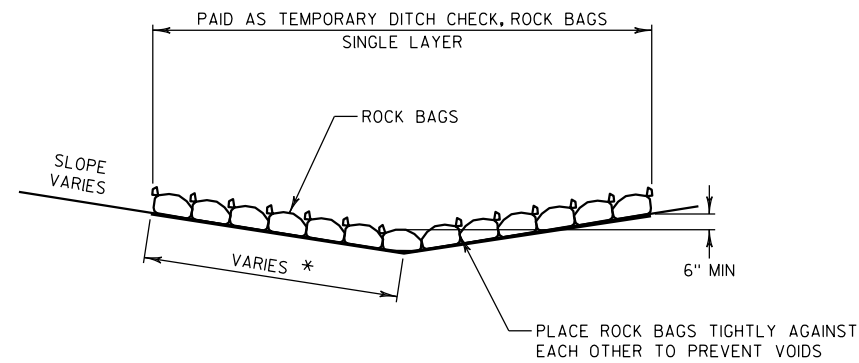


ROCK BAGS USED FOR SILT FENCE RELIEF DETAIL

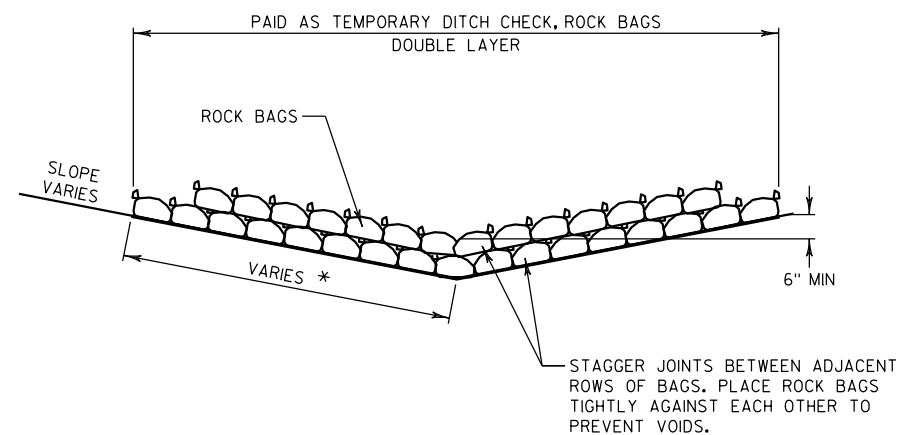


ROCK BAGS

ESTIMATED BAG SIZE = 18" X 12" X 6"	
PIPE SIZE	ESTIMATED NUMBER OF BAGS
12"	1
15"	2
18"	2
24"	3
30"	5
36"	7
42"	7
48"	10
54"	10
60"	13
66"	14
72"	16
13"X17"	2
19"X30"	5
24"X38"	7
29"X45"	10
34"X53"	10
38"X60"	13
48"X76"	18



SIDE VIEW (SINGLE LAYER)

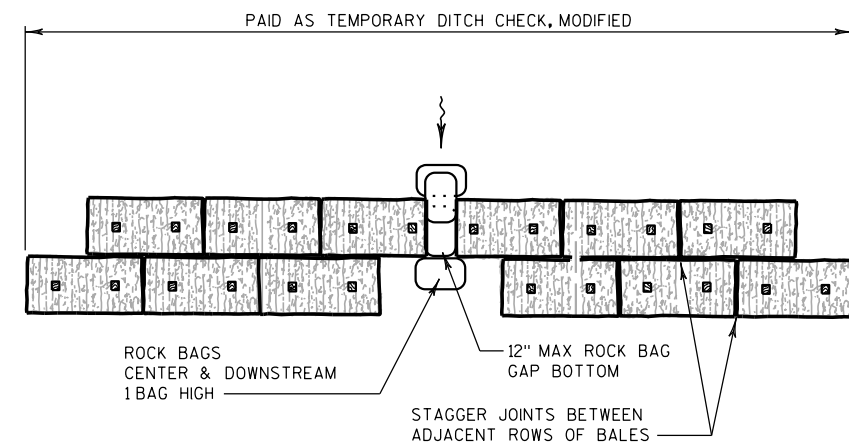


* LENGTH AND NUMBER OF BAGS MAY VARY
DEPENDING ON DESIRED DEPTH OF WATER POOL.

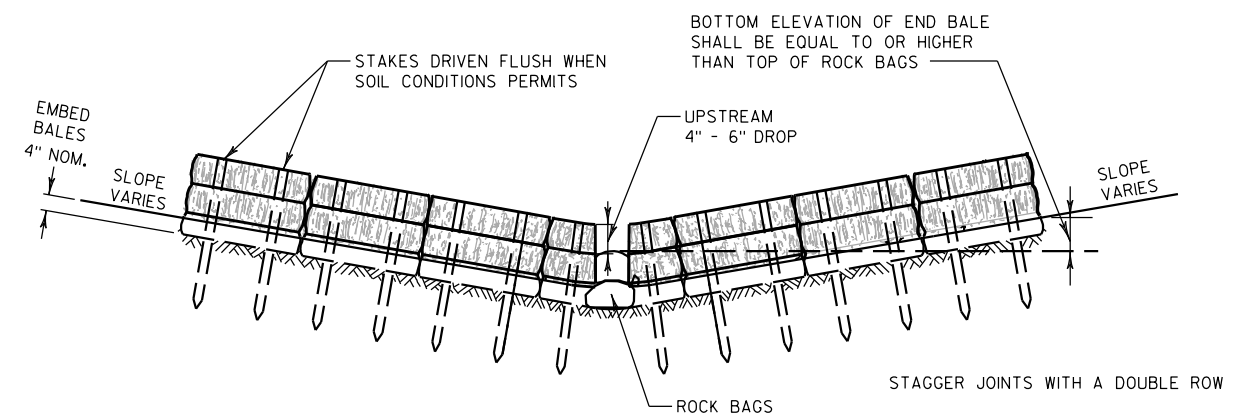
SIDE VIEW (DOUBLE LAYER)

**TEMPORARY DITCH CHECK, ROCK BAGS,
SINGLE LAYER AND DOUBLE LAYER**

NOTE TO DESIGNER: When using this detail drawing, include the corresponding corridor specification
"Temporary Ditch Check, Rock Bags, Single Layer; Temporary Ditch Check, Rock Bags, Double Layer"



PLAN VIEW



FRONT VIEW

NOTE

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.

TEMPORARY DITCH CHECK, MODIFIED

NOTE TO DESIGNER: When using this detail drawing,
include the corresponding corridor specification
"Temporary Ditch Check, Modified"

091218

PROJECT NO:

HWY:

COUNTY:

CONSTRUCTION DETAILS

SHEET

PRE_30

E

FILE NAME : Z:\Racine\CADD\20\20M\CDS\021001_cd.dgn

PLOT DATE : 6/14/2017

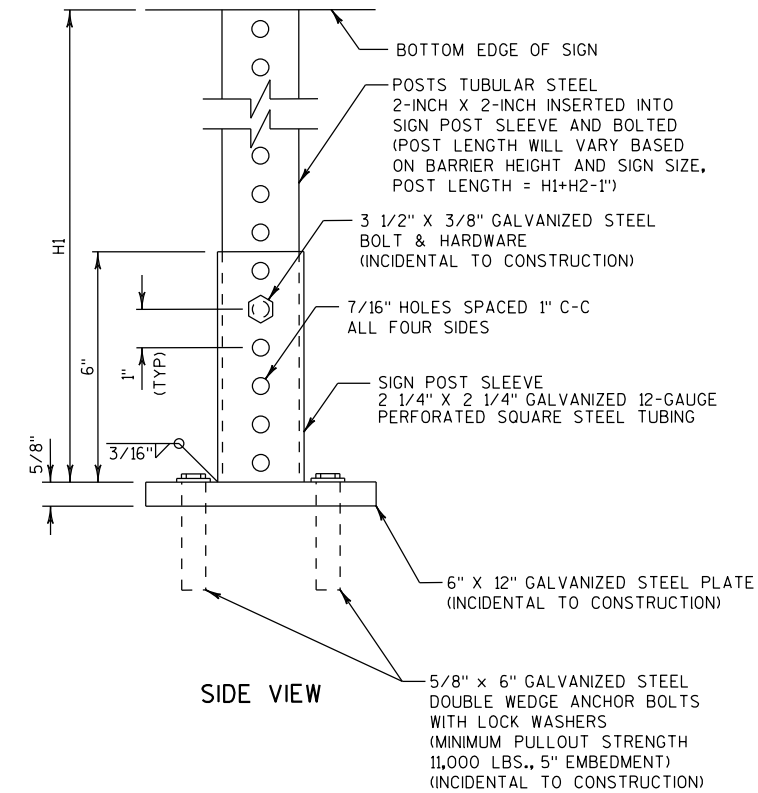
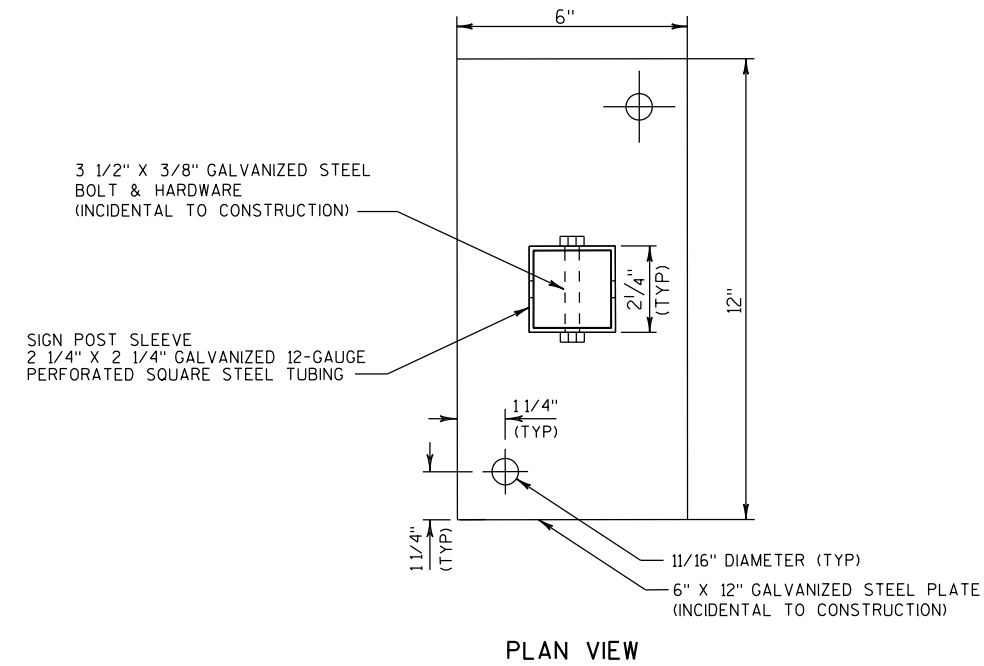
PLOT BY : heather.stabo

PLOT NAME :

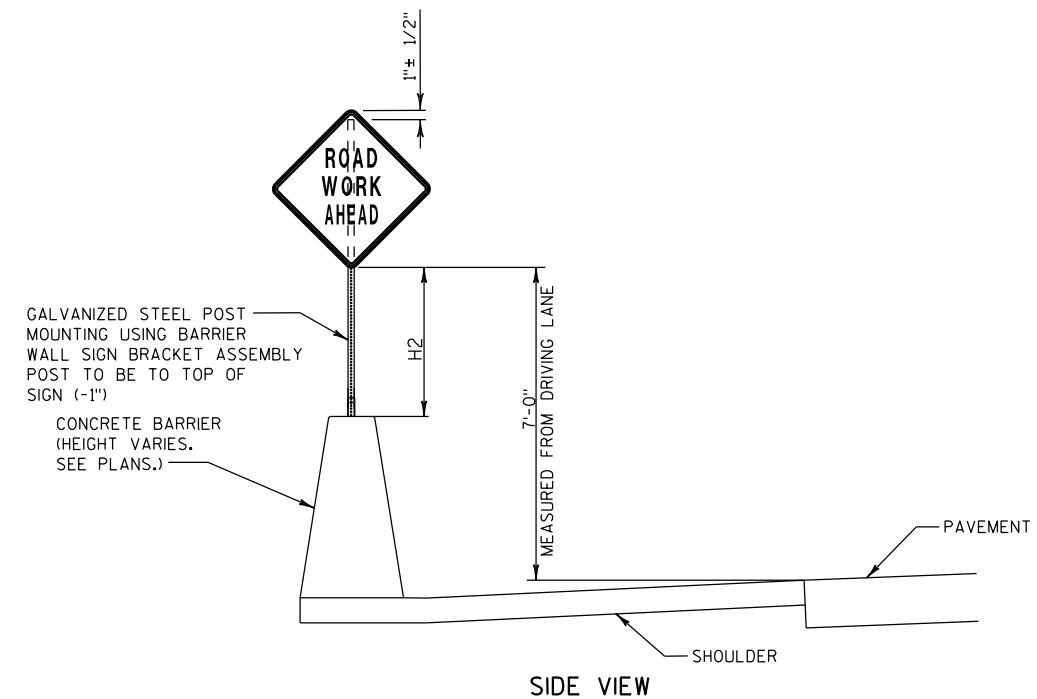
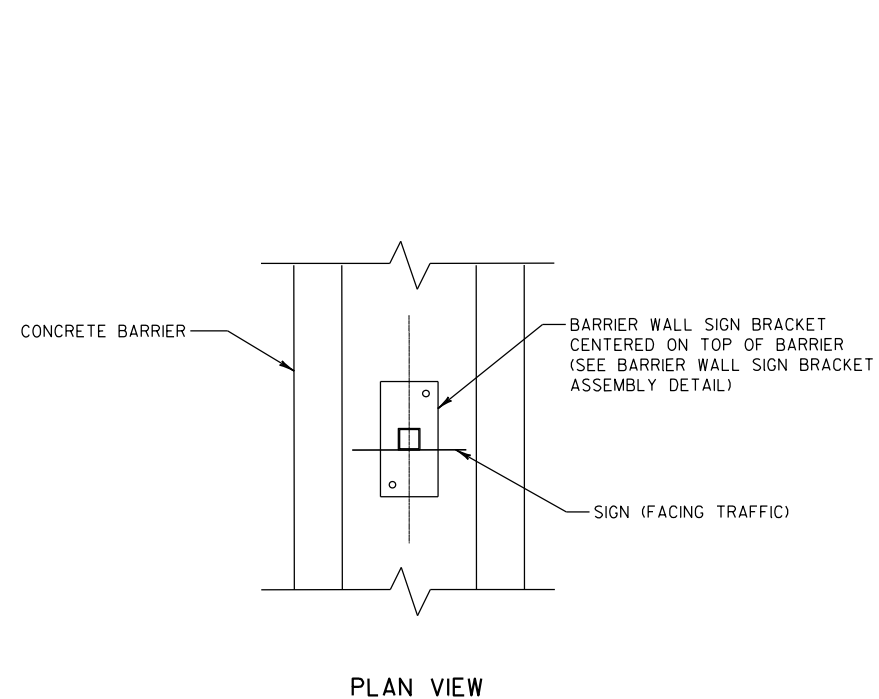
PLOT SCALE : 1:200

WISDOT/CADD SHEET 42

2 |



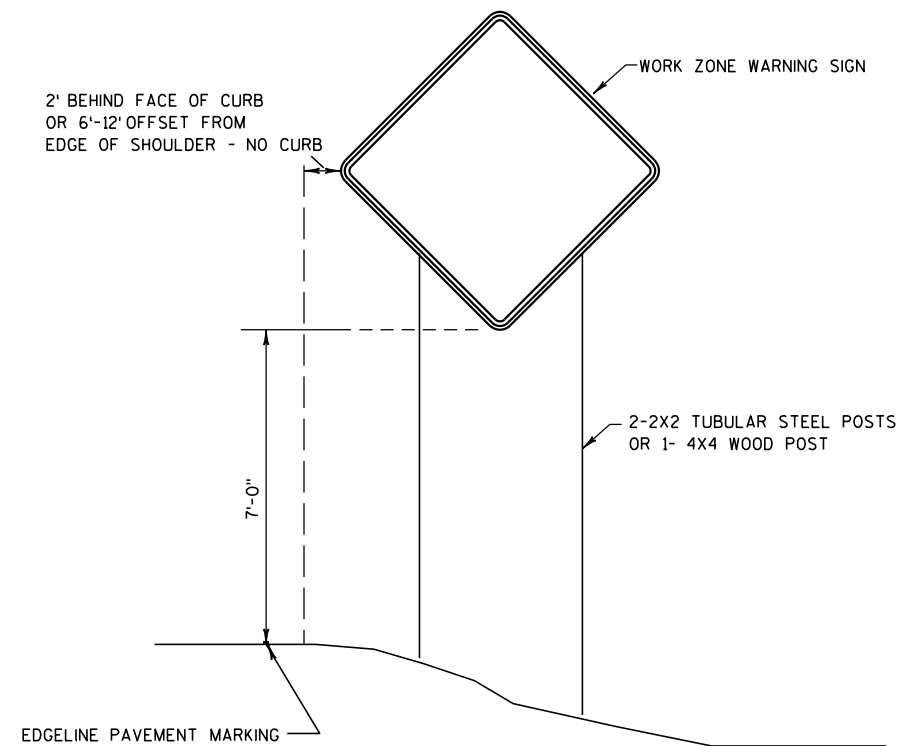
BARRIER WALL SIGN BRACKET ASSEMBLY DETAIL



MEDIAN BARRIER MOUNTING DETAIL

MOUNTING SIGNS TO MEDIAN BARRIER

NOT TO SCALE

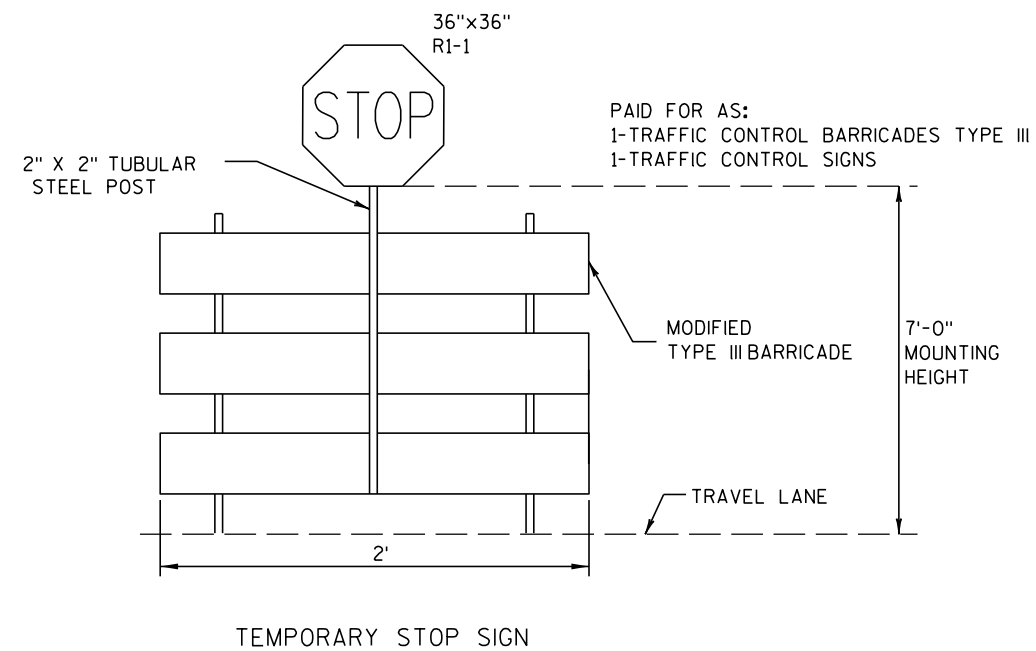


TYPICAL TEMPORARY TRAFFIC CONTROL DETAIL
MOUNTING ON FIXED SUPPORT

LONG TERM
7 DAYS OR MORE

GENERAL NOTES FOR TRAFFIC CONTROL

1. TRAFFIC CONTROL DRUMS IN TAPERS, SHALL BE EQUIPPED WITH WARNING LIGHTS, TYPE "C", ONE WAY LIGHTS IN TAPERS ONLY, UNLESS OTHERWISE SHOWN.
2. SIGN LOCATIONS ARE APPROXIMATE. THE ACTUAL LOCATION SPACING MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER TO MEET FIELD CONDITIONS.
3. "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS REFLECTIVE ORANGE.
4. ALL TRAFFIC CONTROL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED IN THE PLANS.
5. BARRICADE STRIPES ARE TO BE SLOPED DOWNWARD IN THE DIRECTION OF TRAFFIC FLOW.



PROJECT NO:

HWY:

COUNTY:

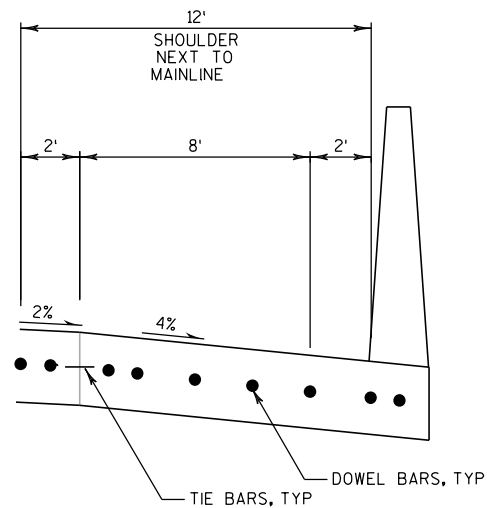
TEMPORARY TRAFFIC CONTROL DETAIL

SHEET

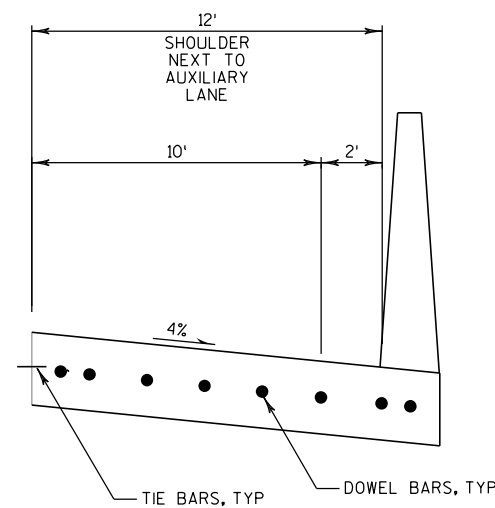
PRE_32

E

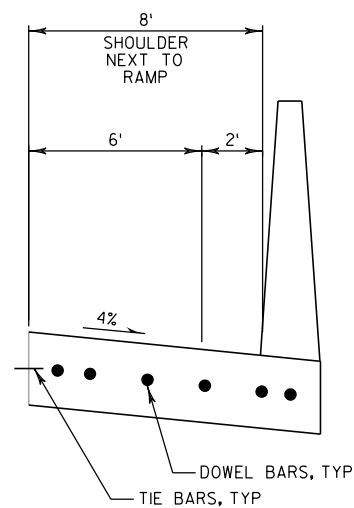
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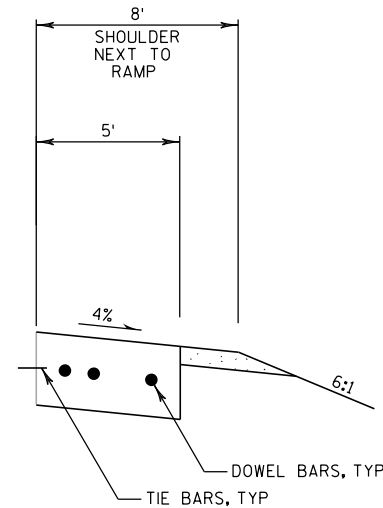
SECTION A-A



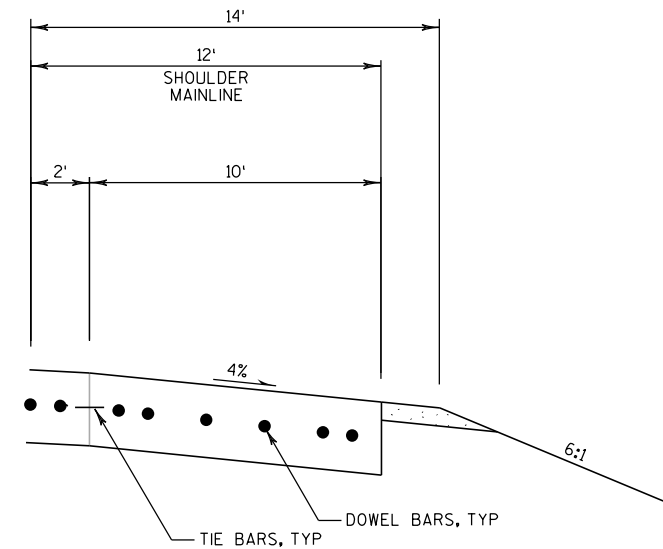
SECTION B-B



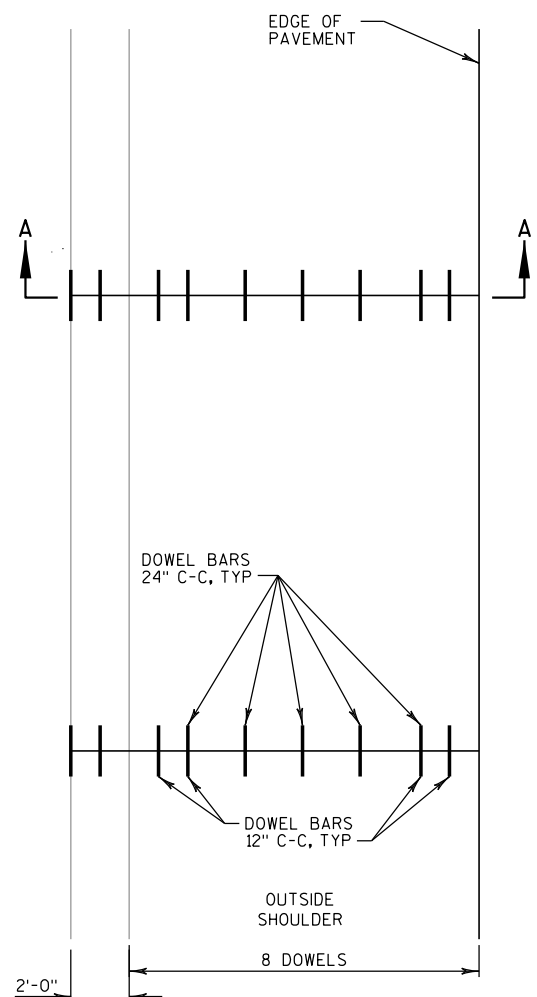
SECTION C-C



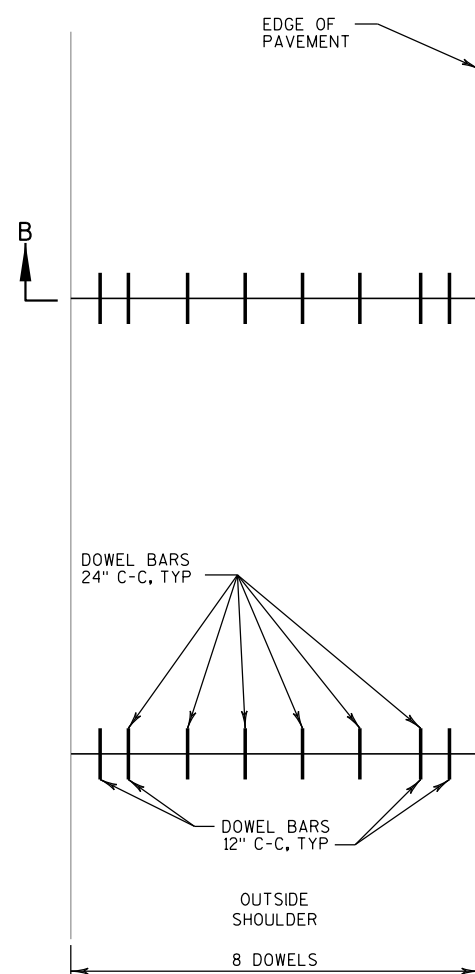
SECTION D-D



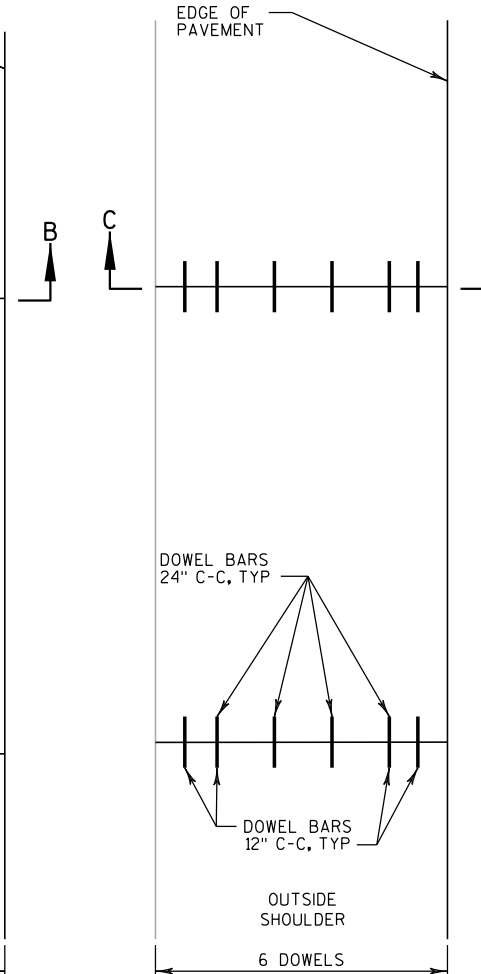
SECTION E-E



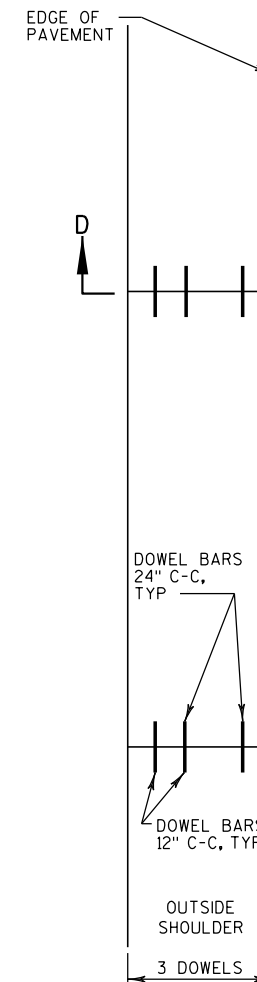
PLAN



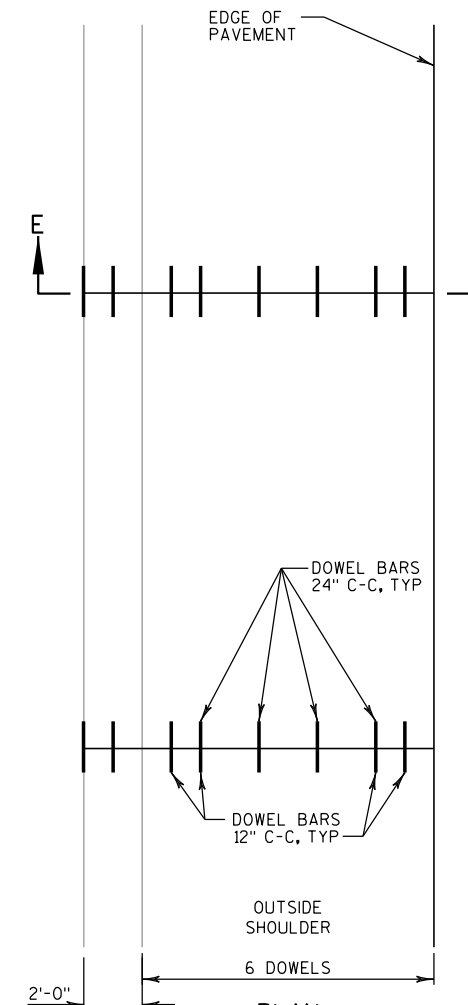
PLAN



PLAN



PLAN



PLAN

NOTE TO DESIGNERS: When using this detail drawing, include the corresponding corridor specification 'HPC Pavement Requirements for Concrete Pavement XX-Inch', as well as corridor detail drawing 'HPC pavement joints'

PAVEMENT DEPTH, DOWEL BAR SIZE
AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
10" & ABOVE	1 1/2"	15'

NOTES

1. DETAILS NOT SHOWN SHALL CONFORM TO STANDARD DETAIL DRAWINGS.
2. LOCATE OUTERMOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS 12 INCHES FROM THE EDGE OF PAVEMENT OR LONGITUDINAL JOINT.
3. TREAT SAWED SURFACES OF TRANSVERSE AND LONGITUDINAL JOINTS WITH SILANE SEALANT.

HPC PAVEMENT JOINT DETAIL - SHOULDERS

100813

PROJECT NO:

HWY:

COUNTY:

SHEET

PRE_33

E

FILE NAME : Z:\Racine\CADD\20\20M\CDS\021001_cd.dgn

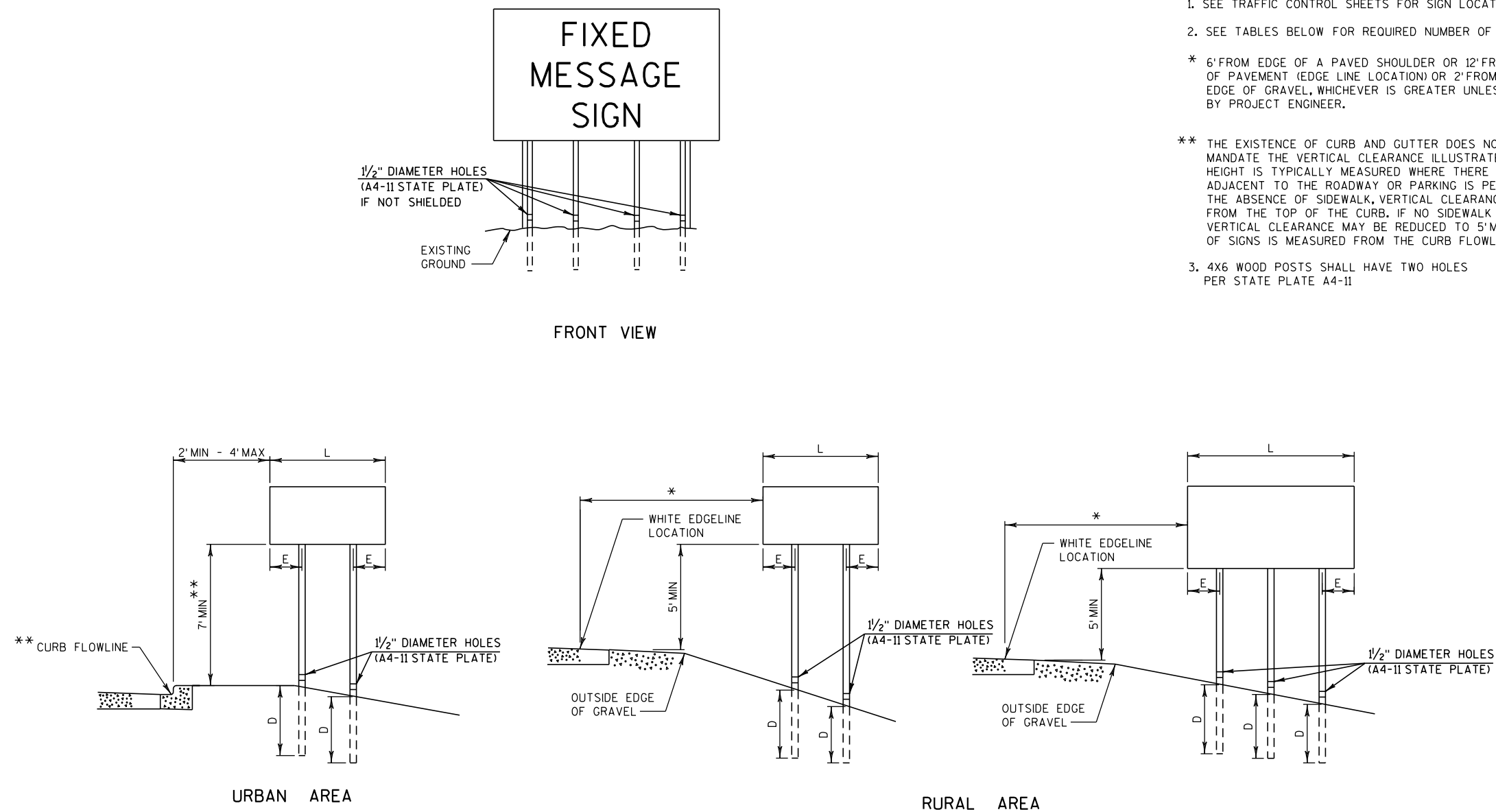
PLOT DATE : 6/14/2017

PLOT BY : heather.stabo

PLOT NAME :

PLOT SCALE : 1:200

WISDOT/CADD SHEET 42



- NOTES
1. SEE TRAFFIC CONTROL SHEETS FOR SIGN LOCATIONS.
 2. SEE TABLES BELOW FOR REQUIRED NUMBER OF POSTS.
 - * 6' FROM EDGE OF A PAVED SHOULDER OR 12' FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) OR 2' 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. IF NO SIDEWALK AND NO PARKING, VERTICAL CLEARANCE MAY BE REDUCED TO 5' MINIMUM. OFFSET OF SIGNS IS MEASURED FROM THE CURB FLOWLINE.
 3. 4X6 WOOD POSTS SHALL HAVE TWO HOLES PER STATE PLATE A4-II

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)	
L	E
GREATER THAN 48" LESS THAN 60"	12"
60" TO 120"	L/5

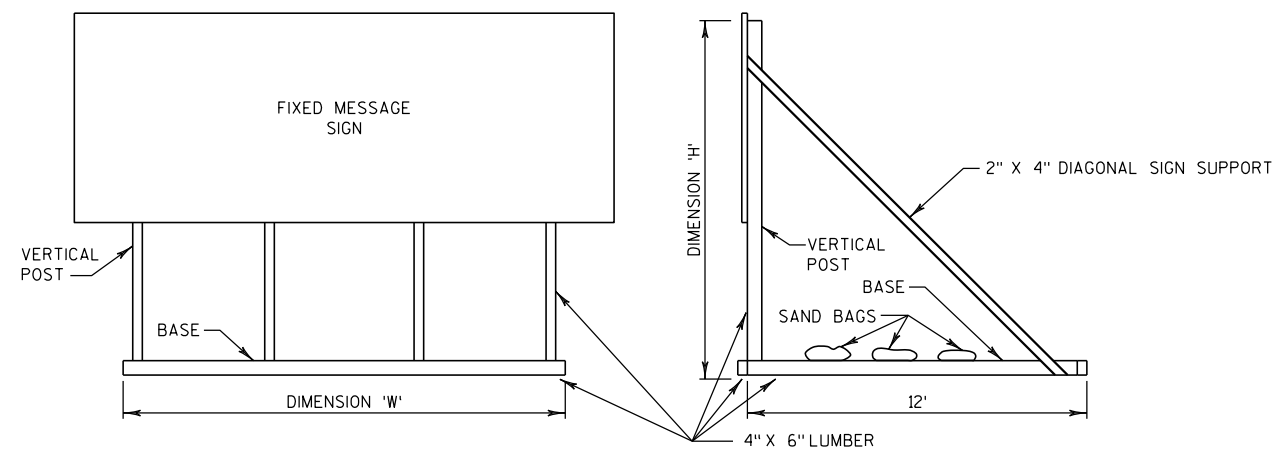
SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
GREATER THAN 120" LESS THAN 168"	12"

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'

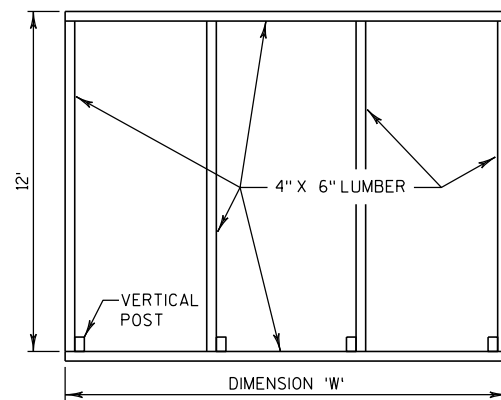
NOTE TO DESIGNERS: SHOW POSTS ON FMS SIGN DETAILS.

POST MOUNTING DETAIL FOR TRAFFIC CONTROL FIXED MESSAGE SIGNS

FIXED MESSAGE SIGN PORTABLE SUPPORT SPECIAL

FRONT VIEW

SIDE VIEW



BASE PLAN VIEW

ANTICIPATED DIMENSIONS & POSTS REQUIRED
(FOR INFORMATION ONLY, CONTRACTOR IS TO VERIFY)

SIGN NO.	'W' (FT)	'H' (FT)	NO. OF POSTS OF HEIGHT 'H'
?	?	?	?
?	?	?	?
?	?	?	?

NOTE TO DESIGNER :
FILL IN SIGN NUMBERS, DIMENSIONS, AND
NUMBER OF POSTS. USE SIGN PLATE LISTED
BELOW (NOTE #5) TO DETERMINE NUMBER
OF POSTS NEEDED.

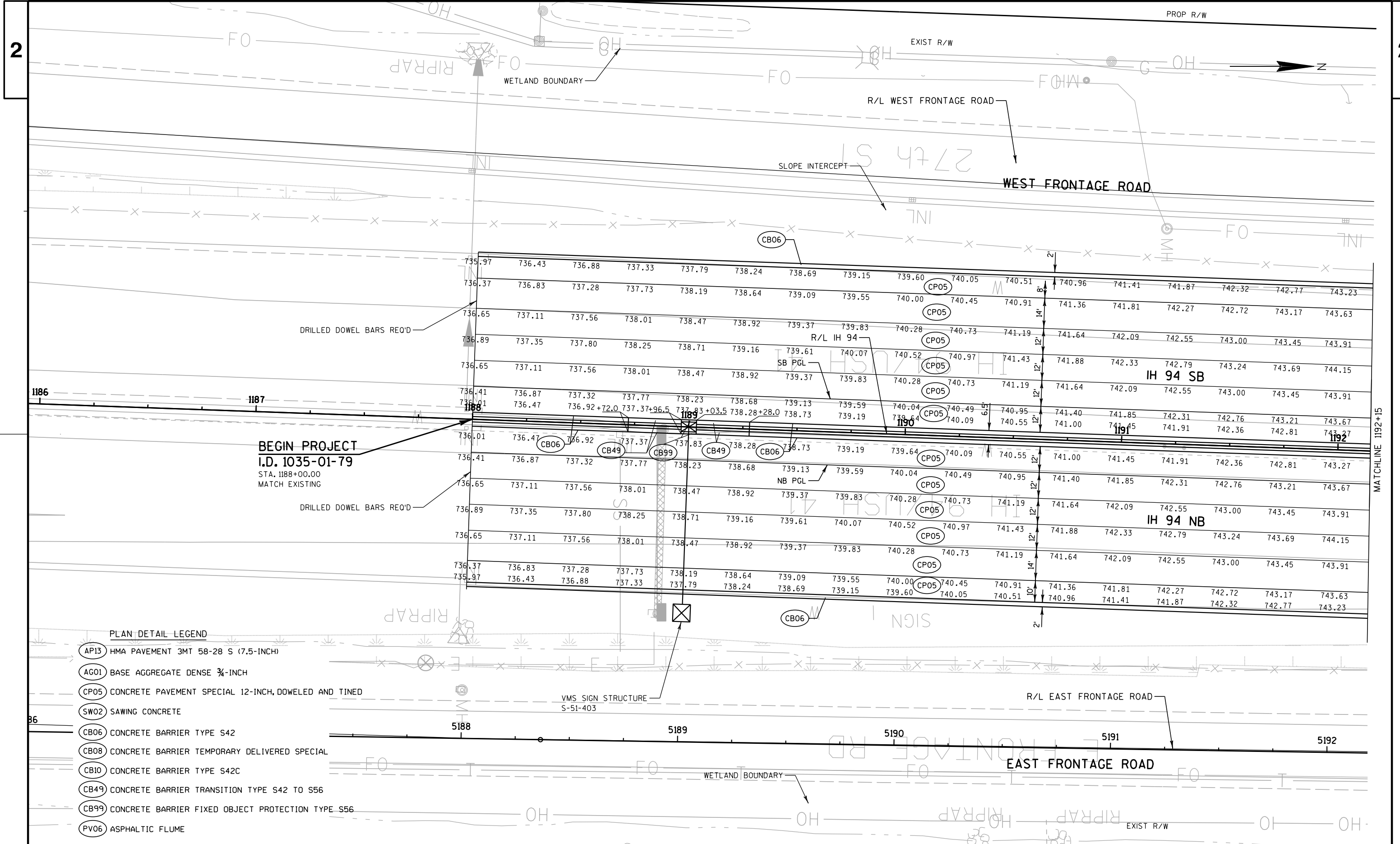
NOTES

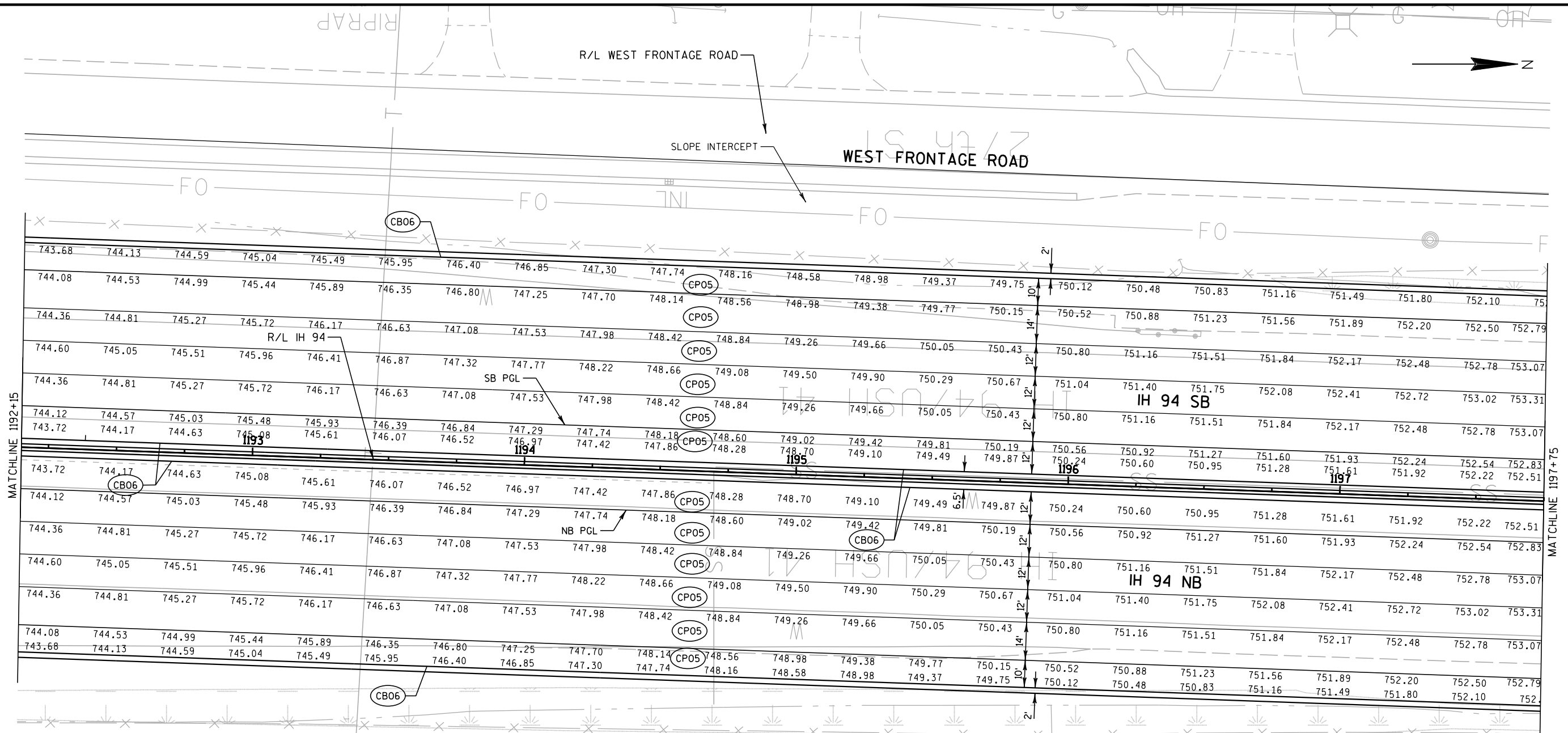
1. SEE TRAFFIC CONTROL SHEETS FOR SIGN LOCATIONS.
2. TWO DIAGONAL SUPPORTS SHALL BE INCLUDED AND AFFIXED TO THE OUTSIDE SUPPORTS.
3. DIAGONAL SUPPORTS, VERTICAL POSTS AND BASE LUMBER ARE ALL INCLUDED IN THE "FIXED MESSAGE SIGN PORTABLE SUPPORT" ITEM.
4. PROVIDE AN ADEQUATE NUMBER OF SAND BAGS TO HOLD THE SIGN IN PLACE. SAND BAGS ARE INCLUDED IN THE "FIXED MESSAGE SIGN PORTABLE SUPPORT" ITEM.
5. SEE "TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS" SIGN PLATE FOR ADDITIONAL REQUIREMENTS.

NOTE TO DESIGNER: When using this detail drawing,
include the corresponding corridor specification

NOTE TO DESIGNER:
Edit notes, labels and table as applicable to your project.

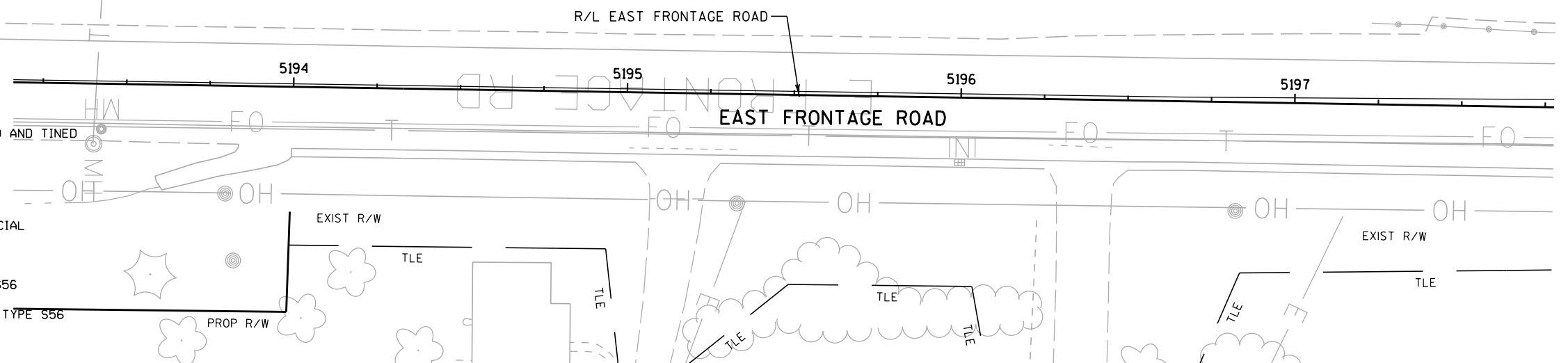
**NOTE,
THIS INSTALLATION METHOD ONLY ALLOWED
WHEN BEHIND BARRIER WALL OR GUARDRAIL
WHERE POSTS CANNONT BE INSTALLED INTO GROUND**

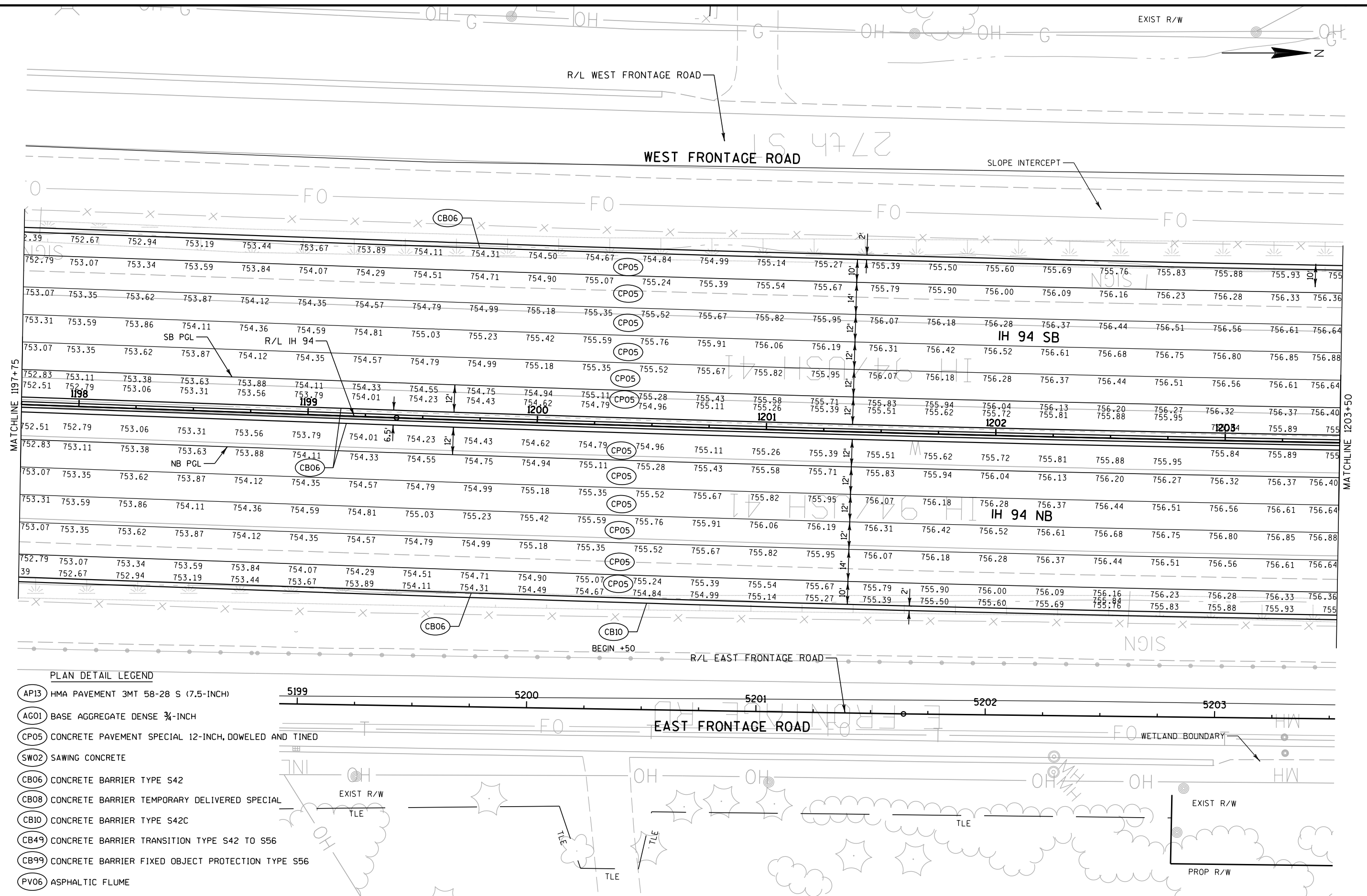


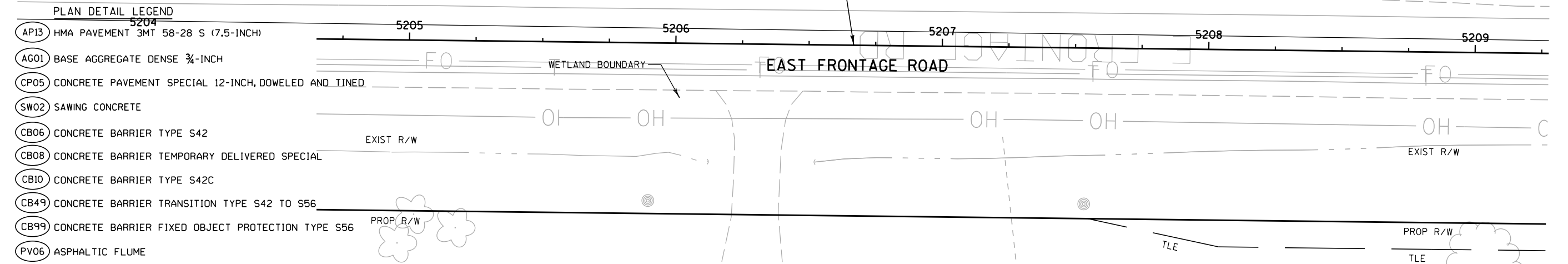
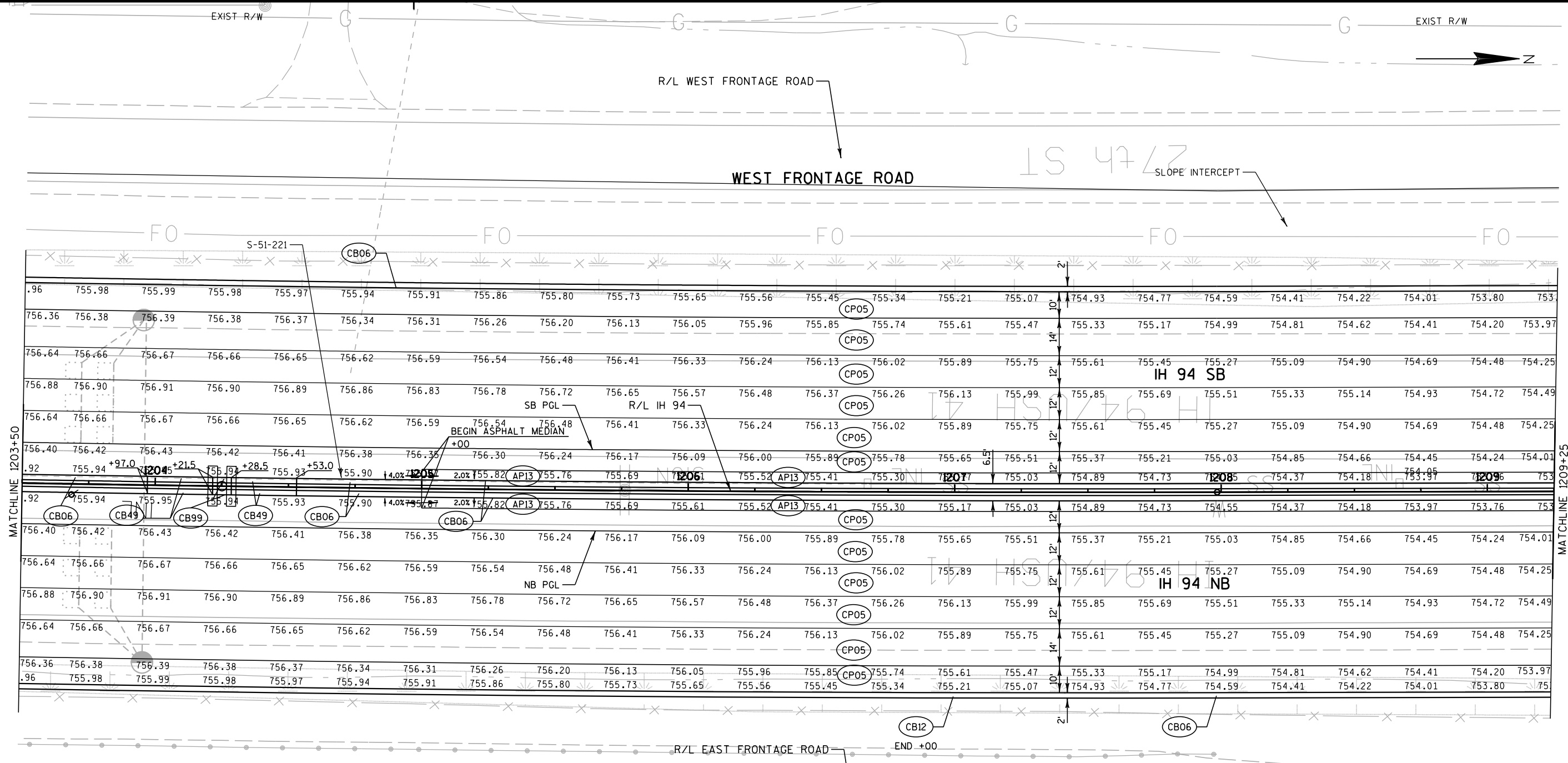


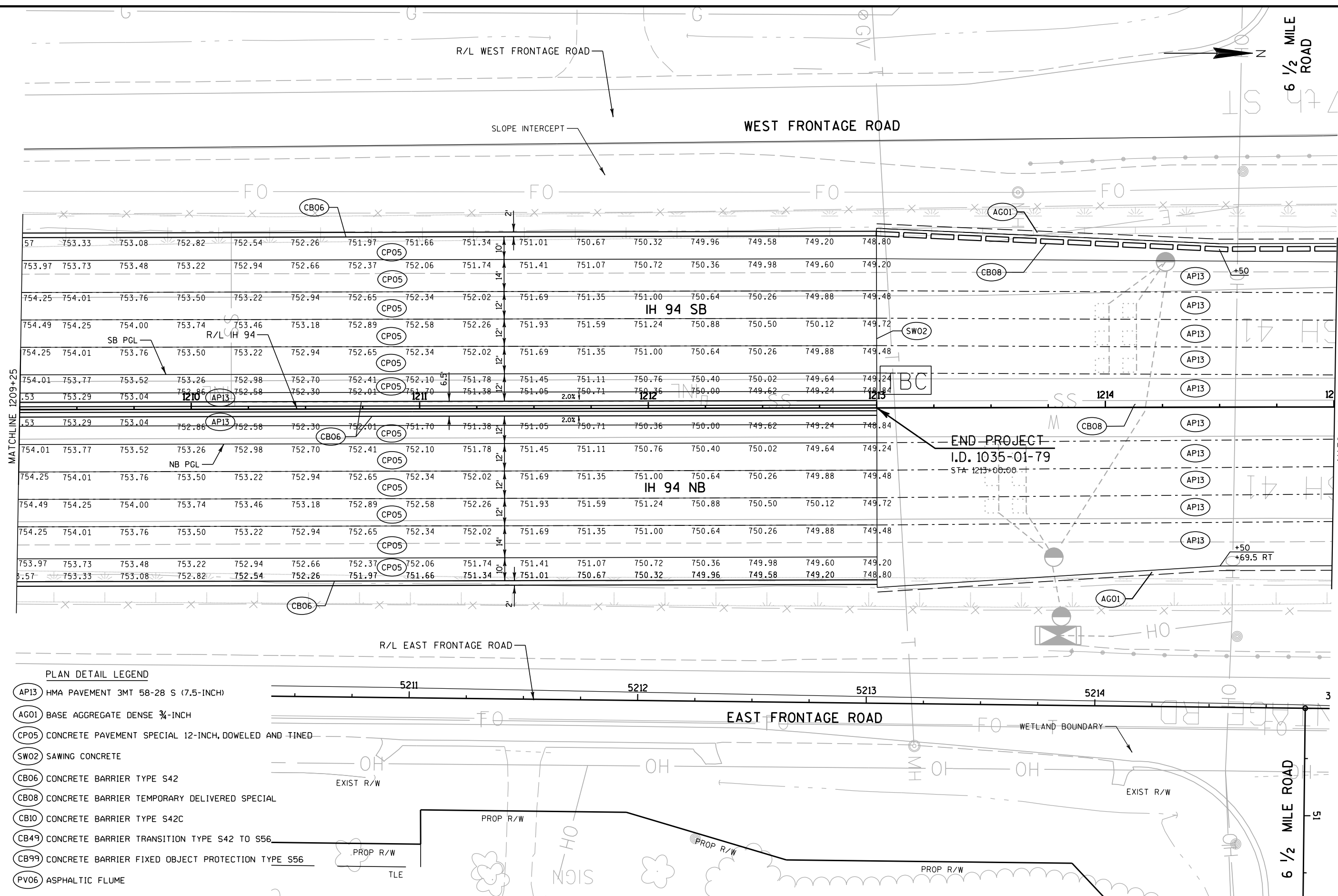
PLAN DETAIL LEGEND

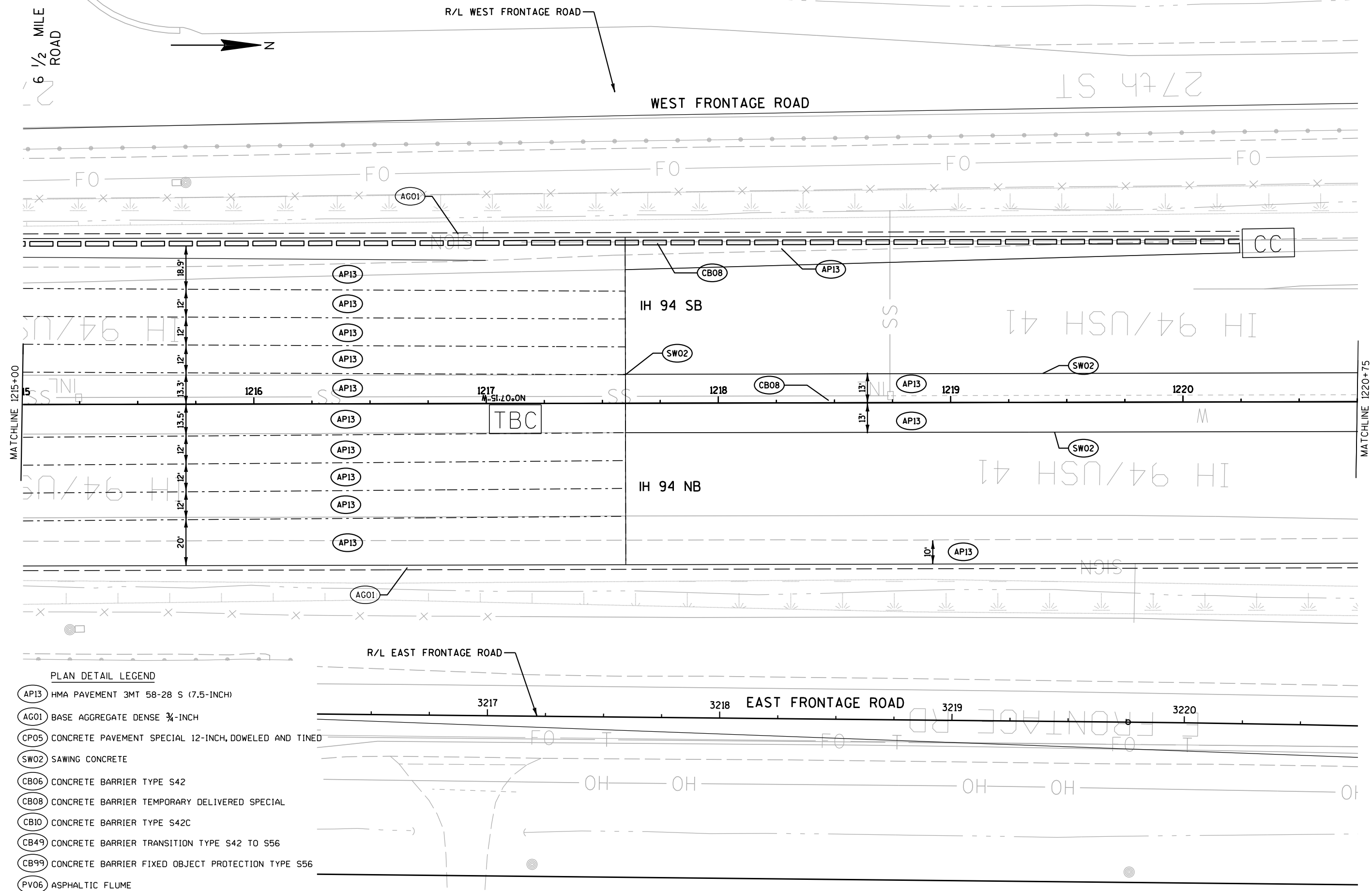
- API3 HMA PAVEMENT 3MT 58-28 S (7.5-INCH)
- AG01 BASE AGGREGATE DENSE 3/4-INCH
- CP05 CONCRETE PAVEMENT SPECIAL 12-INCH, DOWELED AND TINED
- SW02 SAWING CONCRETE
- CB06 CONCRETE BARRIER TYPE S42
- CB08 CONCRETE BARRIER TEMPORARY DELIVERED SPECIAL
- CB10 CONCRETE BARRIER TYPE S42C
- CB49 CONCRETE BARRIER TRANSITION TYPE S42 TO S56
- CB99 CONCRETE BARRIER FIXED OBJECT PROTECTION TYPE S56
- PV06 ASPHALTIC FLUME



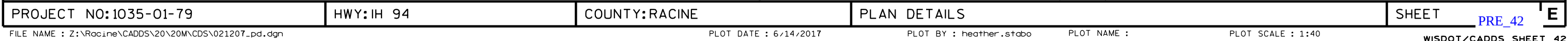






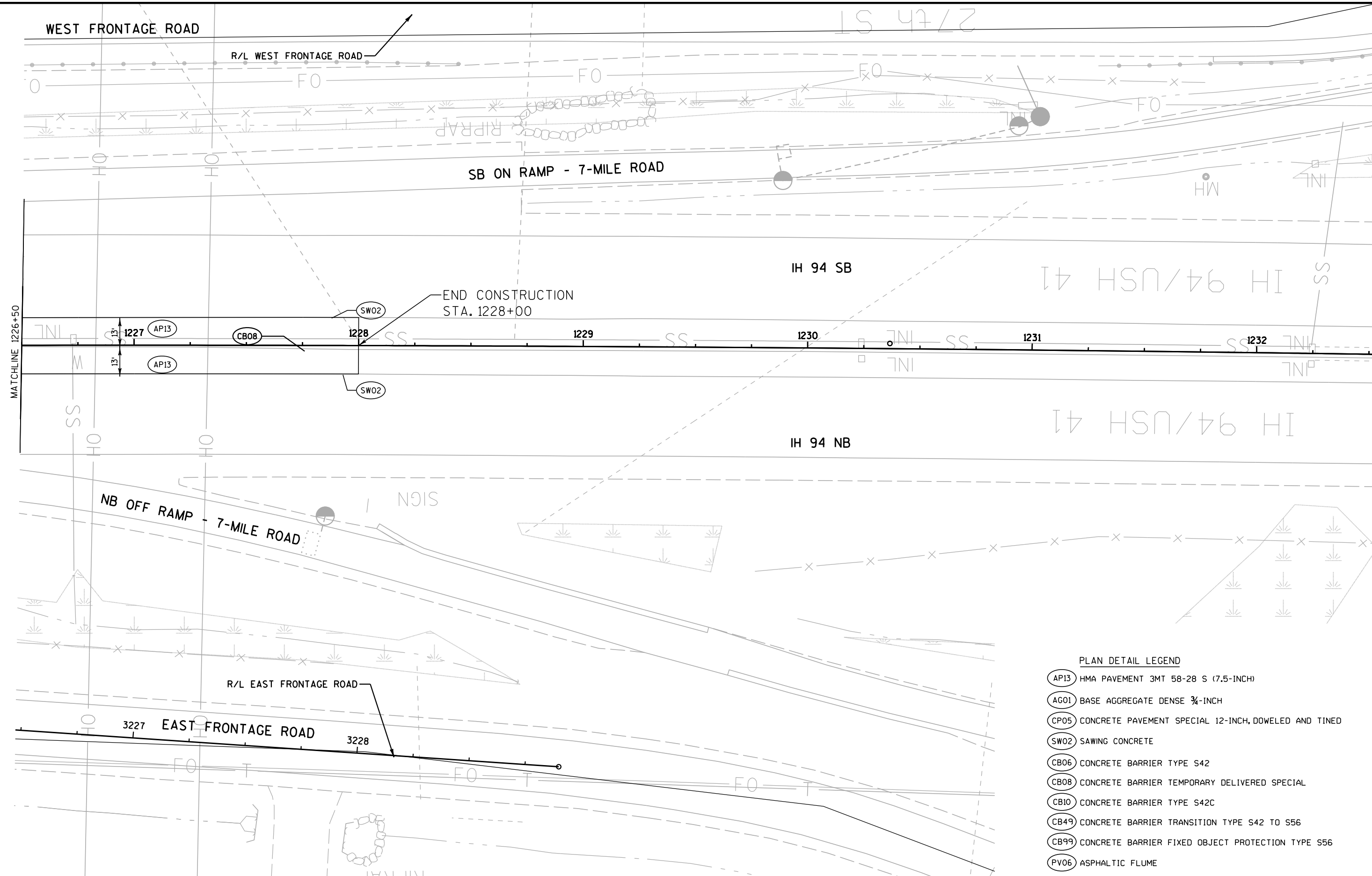


2



2

2



PROJECT NO: 1035-01-79

HWY: IH 94

COUNTY: RACINE

PLAN DETAILS

SHEET

PRE_43

E

FILE NAME : Z:\Racine\CADD\20\20M\CDS\021208_pd.dgn

PLOT DATE : 6/14/2017

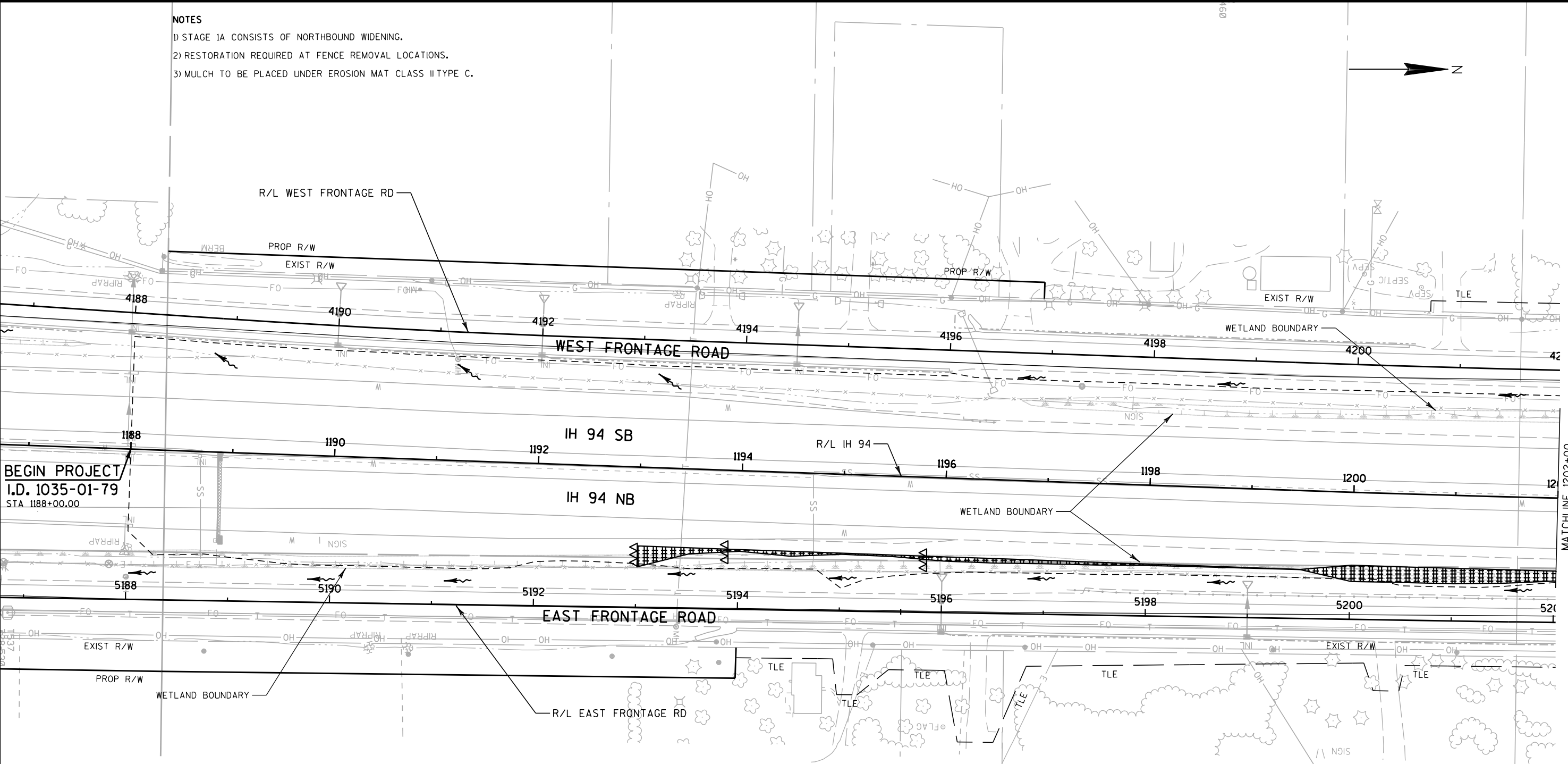
PLOT BY : heather.stabo

PLOT NAME :

PLOT SCALE : 1:40

WISDOT/CADD SHEET 42

NOTES
1) STAGE 1A CONSISTS OF NORTHBOUND WIDENING.
2) RESTORATION REQUIRED AT FENCE REMOVAL LOCATIONS.
3) MULCH TO BE PLACED UNDER EROSION MAT CLASS II TYPE C.



BEGIN PROJECT
I.D. 1035-01-79
STA 1188+00.00

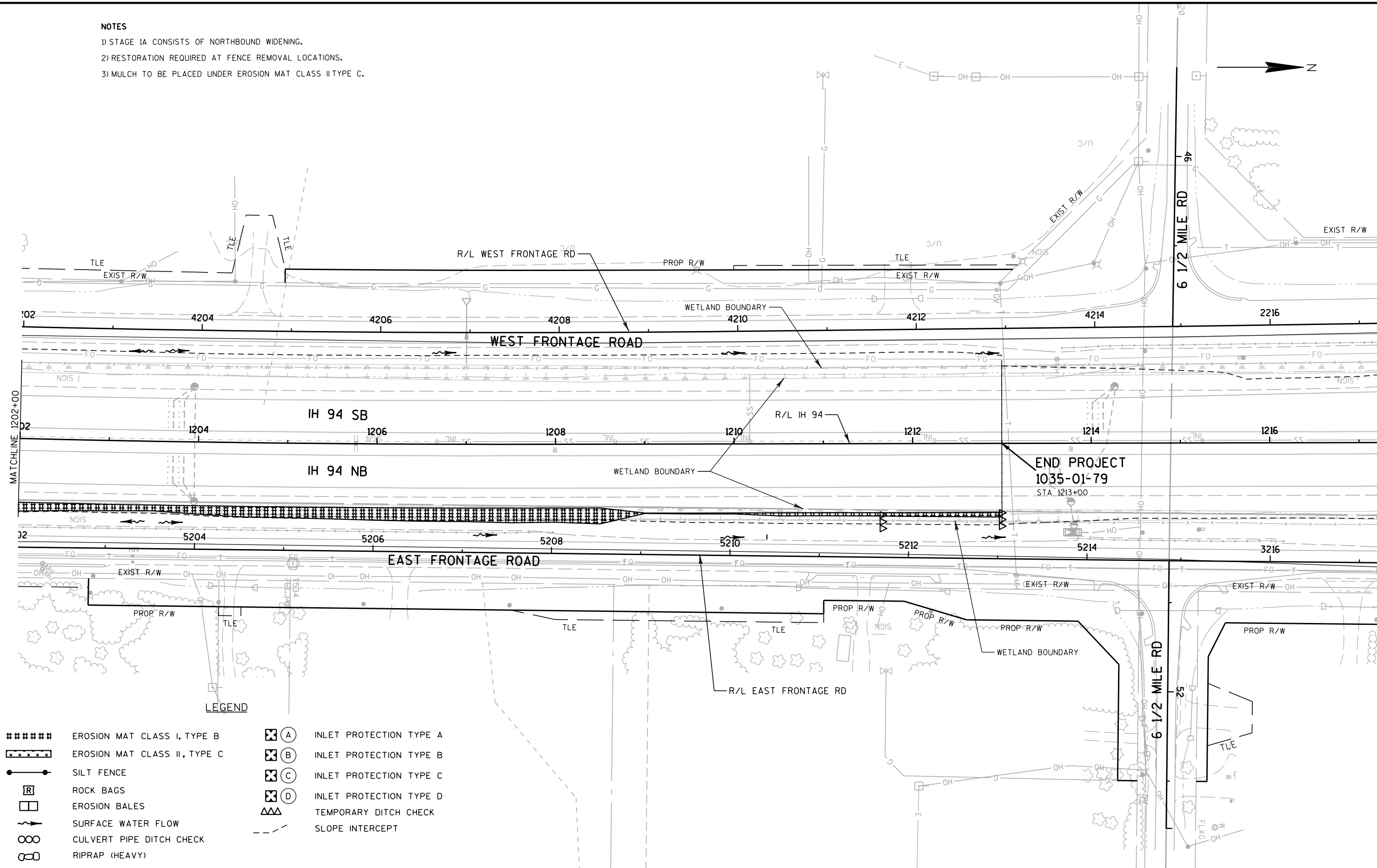
MATCHLINE 1202+00

LEGEND

- | | | | |
|-------|------------------------------|-------|-------------------------|
| ##### | EROSION MAT CLASS I, TYPE B | ⊗ (A) | INLET PROTECTION TYPE A |
| ***** | EROSION MAT CLASS II, TYPE C | ⊗ (B) | INLET PROTECTION TYPE B |
| —●—●— | SILT FENCE | ⊗ (C) | INLET PROTECTION TYPE C |
| [R] | ROCK BAGS | ⊗ (D) | INLET PROTECTION TYPE D |
| [] | EROSION BALES | △△△ | TEMPORARY DITCH CHECK |
| ~> | SURFACE WATER FLOW | - - - | SLOPE INTERCEPT |
| ∞ | CULVERT PIPE DITCH CHECK | | |
| ⊗ | RIPRAP (HEAVY) | | |

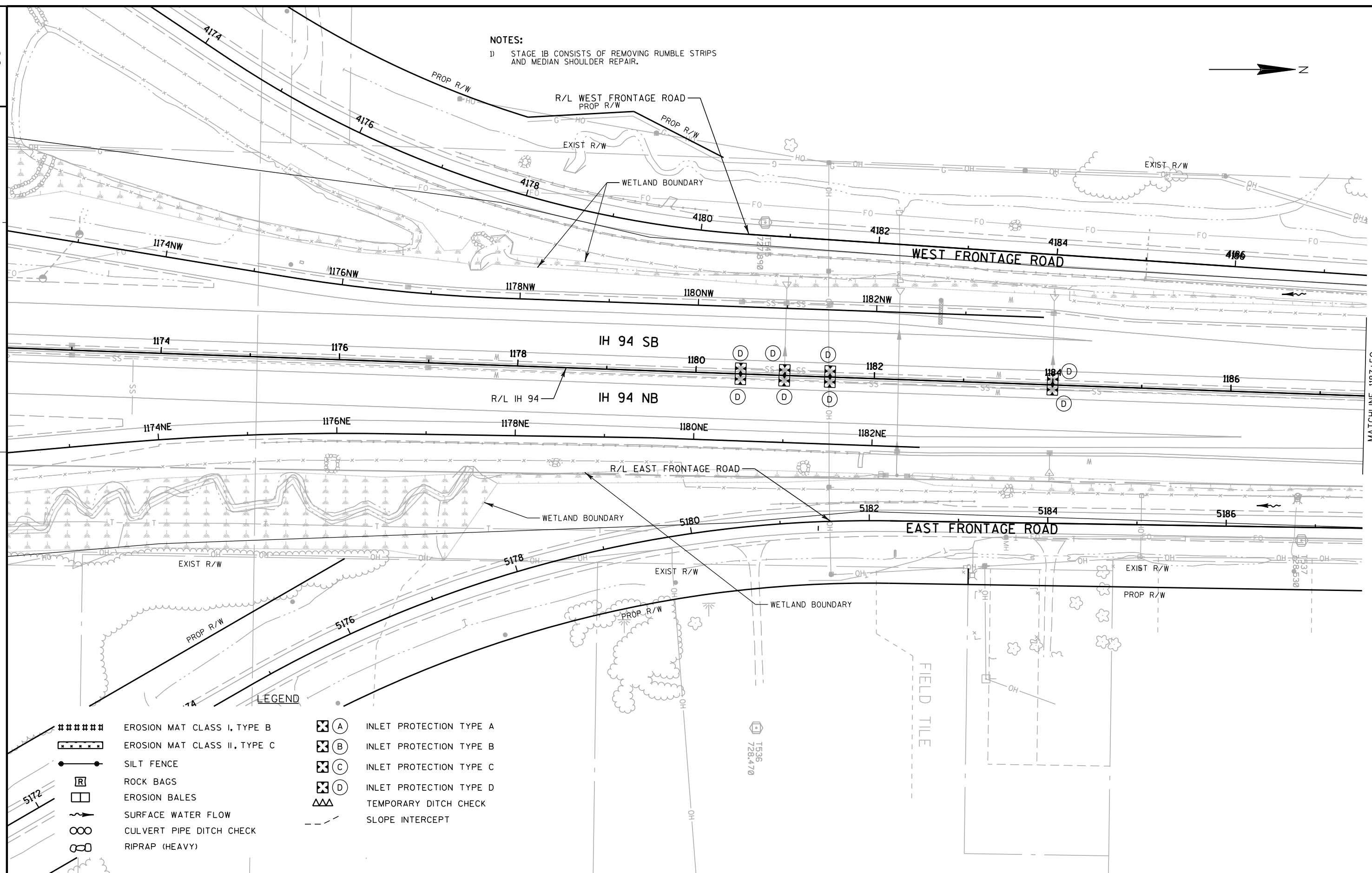
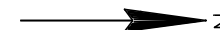
NOTES

- 1) STAGE 1A CONSISTS OF NORTHBOUND WIDENING.
- 2) RESTORATION REQUIRED AT FENCE REMOVAL LOCATIONS.
- 3) MULCH TO BE PLACED UNDER EROSION MAT CLASS II TYPE C.



NOTES:

- 1) STAGE 1B CONSISTS OF REMOVING RUMBLE STRIPS AND MEDIAN SHOULDER REPAIR.



PROJECT NO: 1035-01-79

HWY: IH 94

COUNTY: RACINE

EROSION CONTROL- STAGE 1B

SHEET

PRE_46

E

FILE NAME : Z:\Racine\CADD\20\20M\CDS\022003_ec-1B.dgn

PLOT DATE : 6/14/2017

PLOT BY : heather.stabo

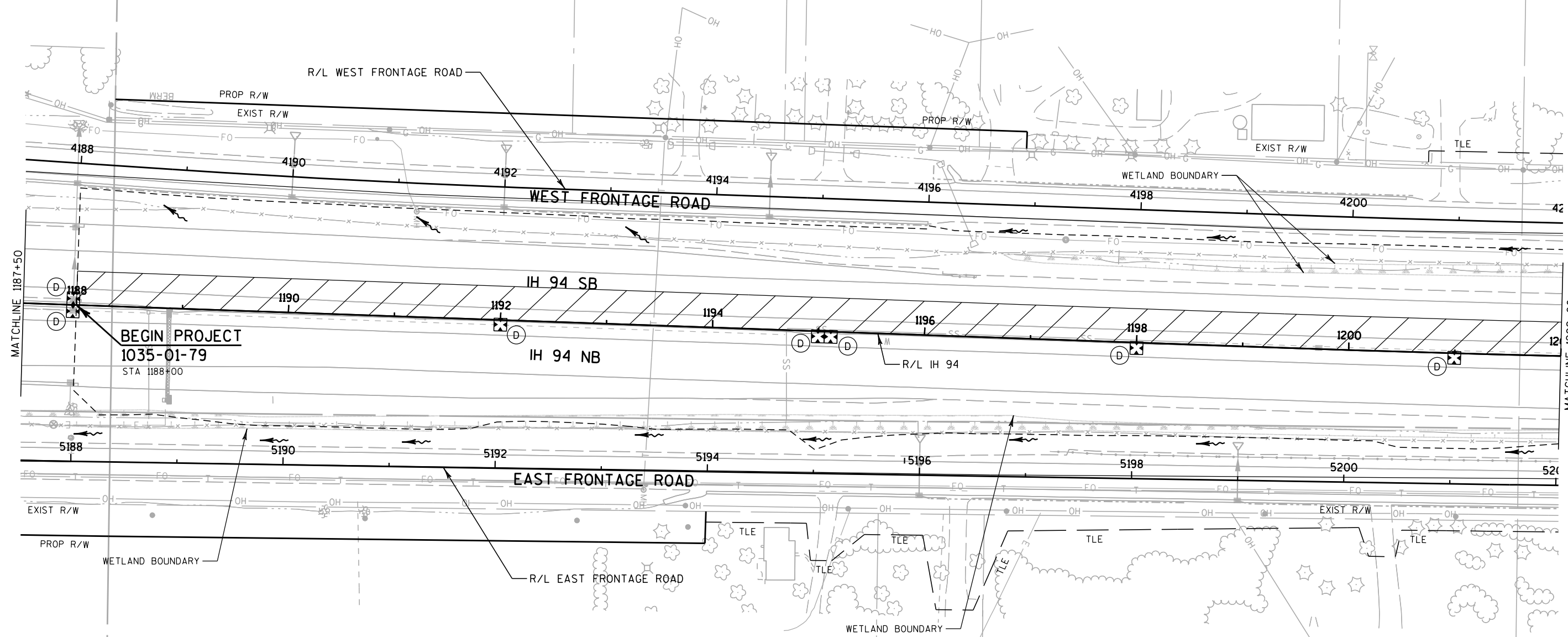
PLOT NAME :

PLOT SCALE : 1:100

WISDOT/CADD SHEET 42

NOTES:

1) STAGE 1B CONSISTS OF REMOVING RUMBLE STRIPS AND MEDIAN SHOULDER REPAIR.

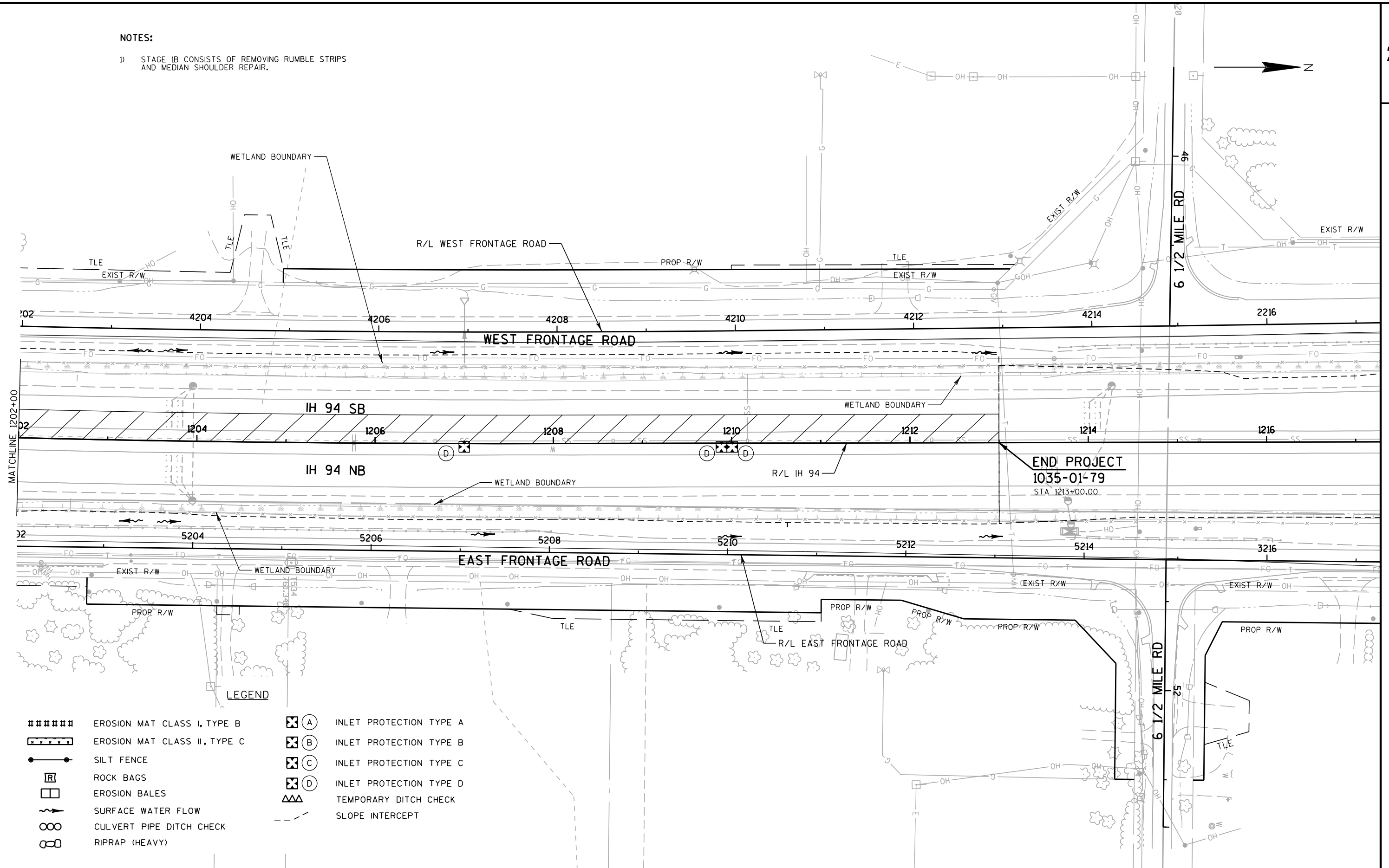


LEGEND

- | | | | |
|-------|------------------------------|-------|-------------------------|
| ##### | EROSION MAT CLASS I, TYPE B | ⊗ (A) | INLET PROTECTION TYPE A |
| ***** | EROSION MAT CLASS II, TYPE C | ⊗ (B) | INLET PROTECTION TYPE B |
| —●— | SILT FENCE | ⊗ (C) | INLET PROTECTION TYPE C |
| [R] | ROCK BAGS | ⊗ (D) | INLET PROTECTION TYPE D |
| [] | EROSION BALES | ΔΔΔ | TEMPORARY DITCH CHECK |
| ~ | SURFACE WATER FLOW | - - - | SLOPE INTERCEPT |
| ∞ | CULVERT PIPE DITCH CHECK | | |
| ⊗ | RIPRAP (HEAVY) | | |

NOTES:

- 1) STAGE 1B CONSISTS OF REMOVING RUMBLE STRIPS
AND MEDIAN SHOULDER REPAIR.



PROJECT NO: 1035-01-79

HWY: IH 94

COUNTY: RACINE

EROSION CONTROL - STAGE 1B

SHEET

PRE_48

E

FILE NAME : Z:\Racine\CADD\20\20M\CDS\022005_ec-1B.dgn

PLOT DATE : 6/14/2017

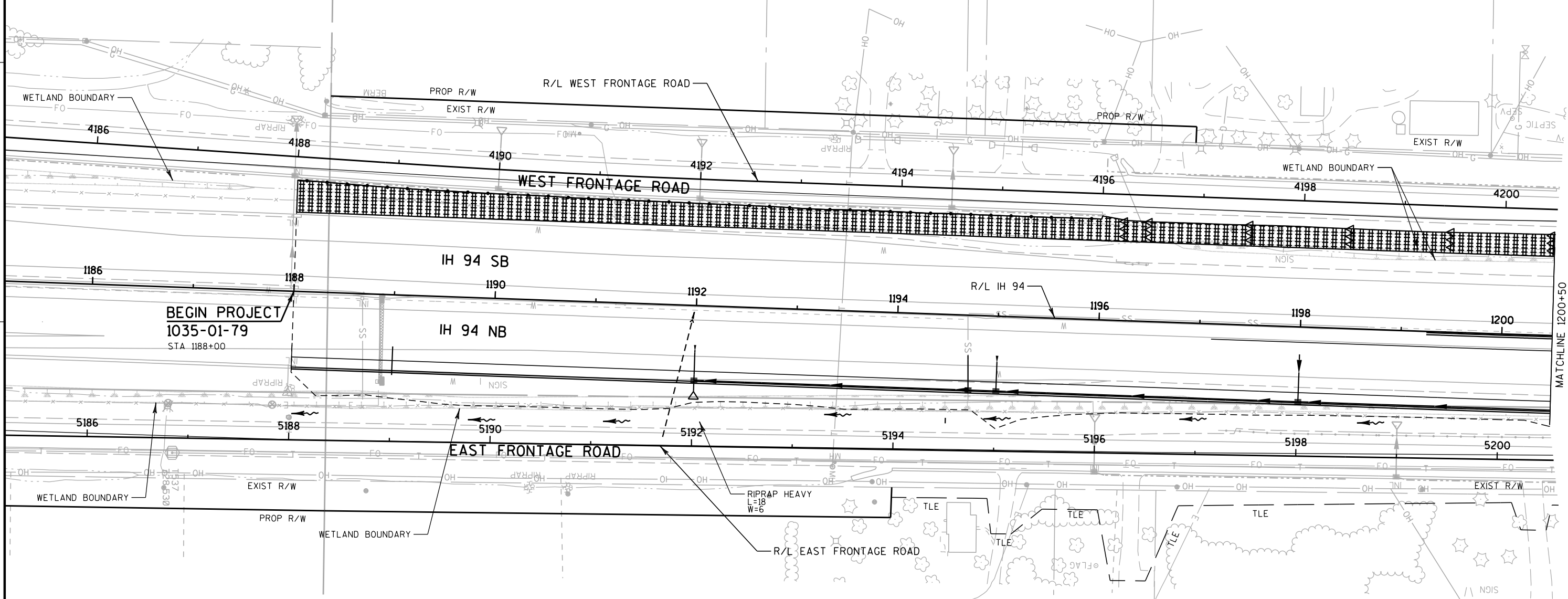
PLOT BY : heather.stabo

PLOT NAME :

PLOT SCALE : 1:100

WISDOT/CADD SHEET 42

- NOTES:
- 1) WHEN INLET PROTECTION TYPE A AND TYPE B, C, OR D ARE INDICATED AT THE SAME LOCATION, USE TYPE A PRIOR TO THE PLACEMENT OF CURB AND GUTTER AND USE TYPE B, C OR D AFTER THE INLET CASTINGS ARE IN PLACE.
 - 2) EROSION CONTROL DEVICES USED IN PREVIOUS CONSTRUCTION STAGES THAT REMAIN IN USE ARE NOT SHOWN.
 - 3) STAGE 2A CONSISTS OF THE SOUTHBOUND CONSTRUCTION
 - 4) RESTORATION REQUIRED AT FENCE REMOVAL LOCATIONS.



BEGIN PROJECT
1035-01-79
STA 1188+00

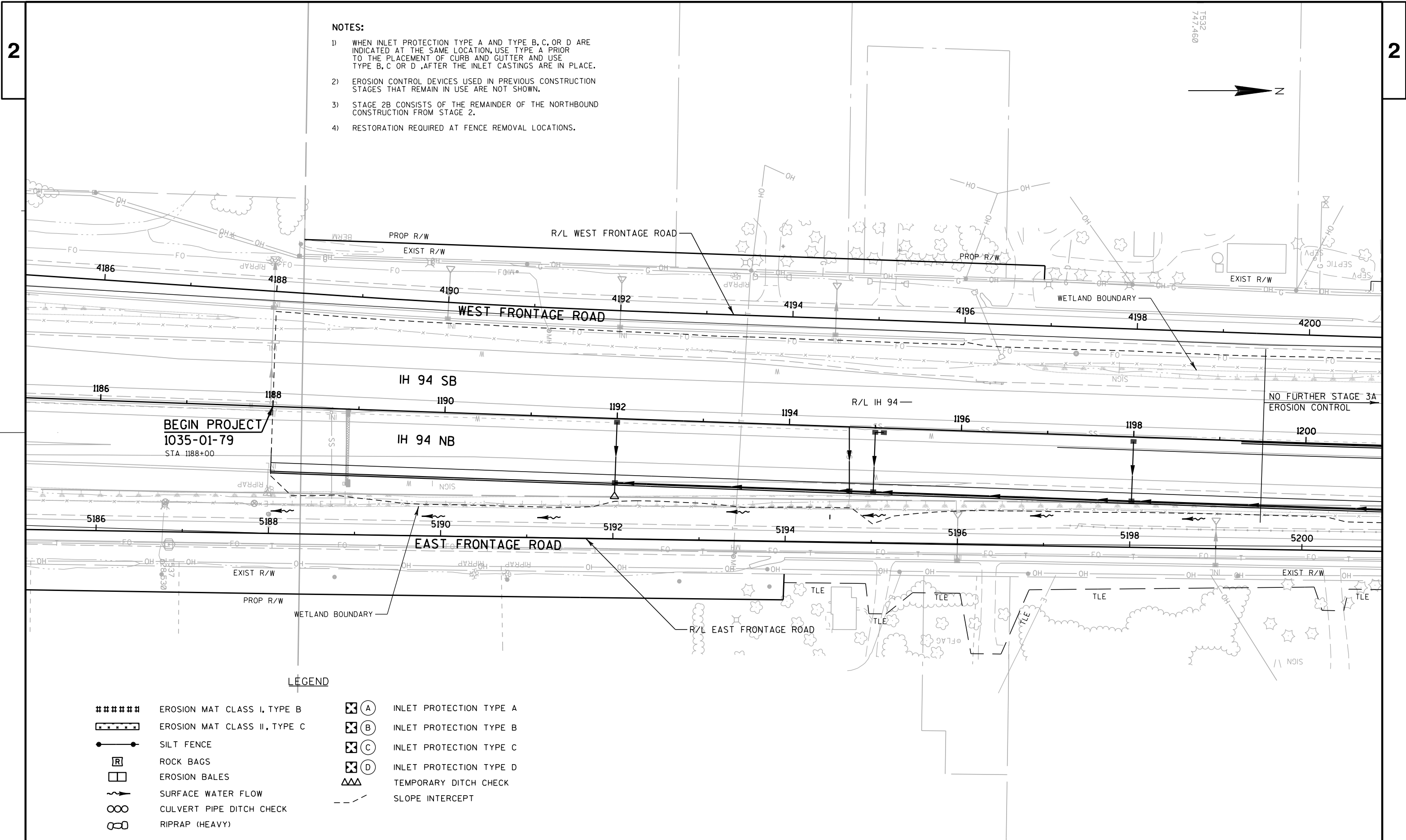
LEGEND

- | | | | |
|-------|------------------------------|-------|-------------------------|
| ##### | EROSION MAT CLASS I, TYPE B | ⊗ (A) | INLET PROTECTION TYPE A |
| ***** | EROSION MAT CLASS II, TYPE C | ⊗ (B) | INLET PROTECTION TYPE B |
| —●—●— | SILT FENCE | ⊗ (C) | INLET PROTECTION TYPE C |
| [R] | ROCK BAGS | ⊗ (D) | INLET PROTECTION TYPE D |
| [] | EROSION BALES | ΔΔΔ | TEMPORARY DITCH CHECK |
| ~> | SURFACE WATER FLOW | - - - | SLOPE INTERCEPT |
| ∞ | CULVERT PIPE DITCH CHECK | | |
| ∞ | RIPRAP (HEAVY) | | |

2

4) RESTORATION REQUIRED AT FENCE REMOVAL LOCATIONS.





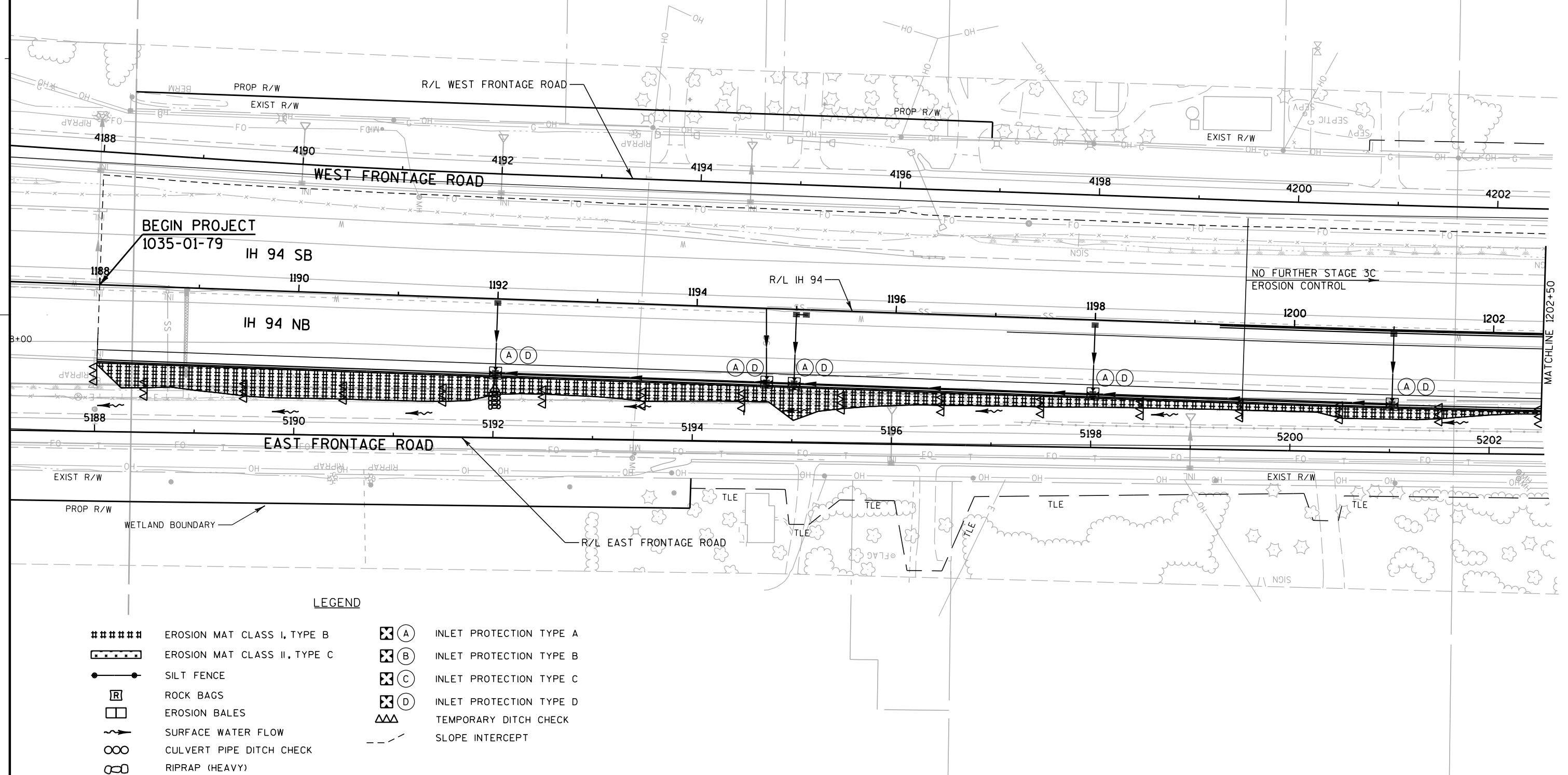
- NOTES:
- 1) WHEN INLET PROTECTION TYPE A AND TYPE B, C, OR D ARE INDICATED AT THE SAME LOCATION, USE TYPE A PRIOR TO THE PLACEMENT OF CURB AND GUTTER AND USE TYPE B, C OR D AFTER THE INLET CASTINGS ARE IN PLACE.
 - 2) EROSION CONTROL DEVICES USED IN PREVIOUS CONSTRUCTION STAGES THAT REMAIN IN USE ARE NOT SHOWN.
 - 3) STAGE 2B CONSISTS OF THE REMAINDER OF THE NORTHBOUND CONSTRUCTION FROM STAGE 2.
 - 4) RESTORATION REQUIRED AT FENCE REMOVAL LOCATIONS.

LEGEND

- | | | | |
|-------|------------------------------|-------|-------------------------|
| ##### | EROSION MAT CLASS I, TYPE B | ⊗ (A) | INLET PROTECTION TYPE A |
| ***** | EROSION MAT CLASS II, TYPE C | ⊗ (B) | INLET PROTECTION TYPE B |
| ●—● | SILT FENCE | ⊗ (C) | INLET PROTECTION TYPE C |
| [R] | ROCK BAGS | ⊗ (D) | INLET PROTECTION TYPE D |
| [] | EROSION BALES | ΔΔΔ | TEMPORARY DITCH CHECK |
| ~→ | SURFACE WATER FLOW | - - - | SLOPE INTERCEPT |
| ∞ | CULVERT PIPE DITCH CHECK | | |
| ∞ | RIPRAP (HEAVY) | | |

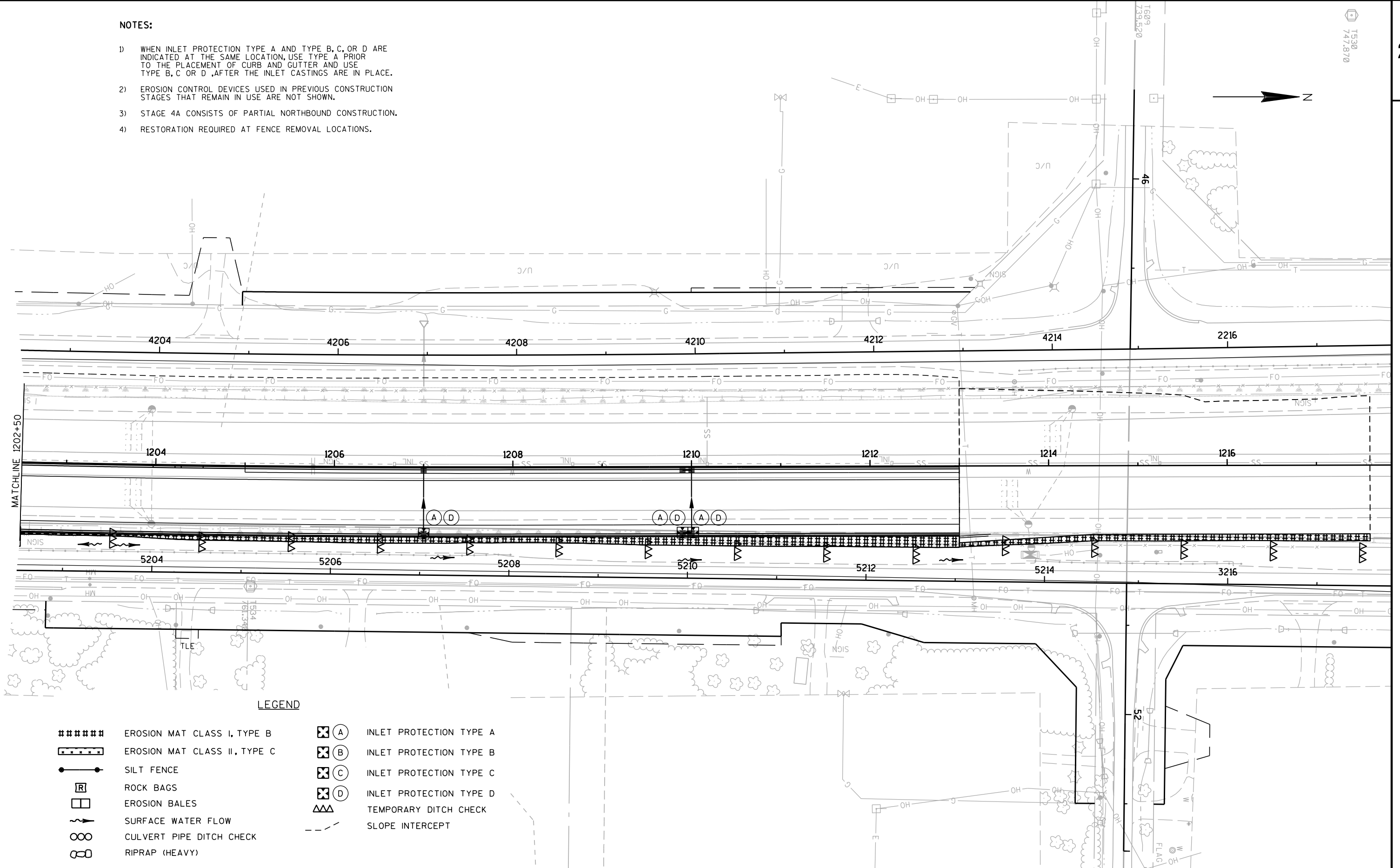
NOTES:

- 1) WHEN INLET PROTECTION TYPE A AND TYPE B, C, OR D ARE INDICATED AT THE SAME LOCATION, USE TYPE A PRIOR TO THE PLACEMENT OF CURB AND GUTTER AND USE TYPE B, C OR D AFTER THE INLET CASTINGS ARE IN PLACE.
- 2) EROSION CONTROL DEVICES USED IN PREVIOUS CONSTRUCTION STAGES THAT REMAIN IN USE ARE NOT SHOWN.
- 3) STAGE 4A CONSISTS OF PARTIAL NORTHBOUND CONSTRUCTION.
- 4) RESTORATION REQUIRED AT FENCE REMOVAL LOCATIONS.



NOTES:

- 1) WHEN INLET PROTECTION TYPE A AND TYPE B, C, OR D ARE INDICATED AT THE SAME LOCATION, USE TYPE A PRIOR TO THE PLACEMENT OF CURB AND GUTTER AND USE TYPE B, C OR D AFTER THE INLET CASTINGS ARE IN PLACE.
- 2) EROSION CONTROL DEVICES USED IN PREVIOUS CONSTRUCTION STAGES THAT REMAIN IN USE ARE NOT SHOWN.
- 3) STAGE 4A CONSISTS OF PARTIAL NORTHBOUND CONSTRUCTION.
- 4) RESTORATION REQUIRED AT FENCE REMOVAL LOCATIONS.



PROJECT NO: 1035-01-79

HWY: IH 94

COUNTY: RACINE

EROSION CONTROL - STAGE 4A

SHEET

PRE_53

E

FILE NAME : Z:\Racine\CADD\20\20M\CDS\022009a.ec-4A.dgn

PLOT DATE : 6/14/2017

PLOT BY : heather.stabo

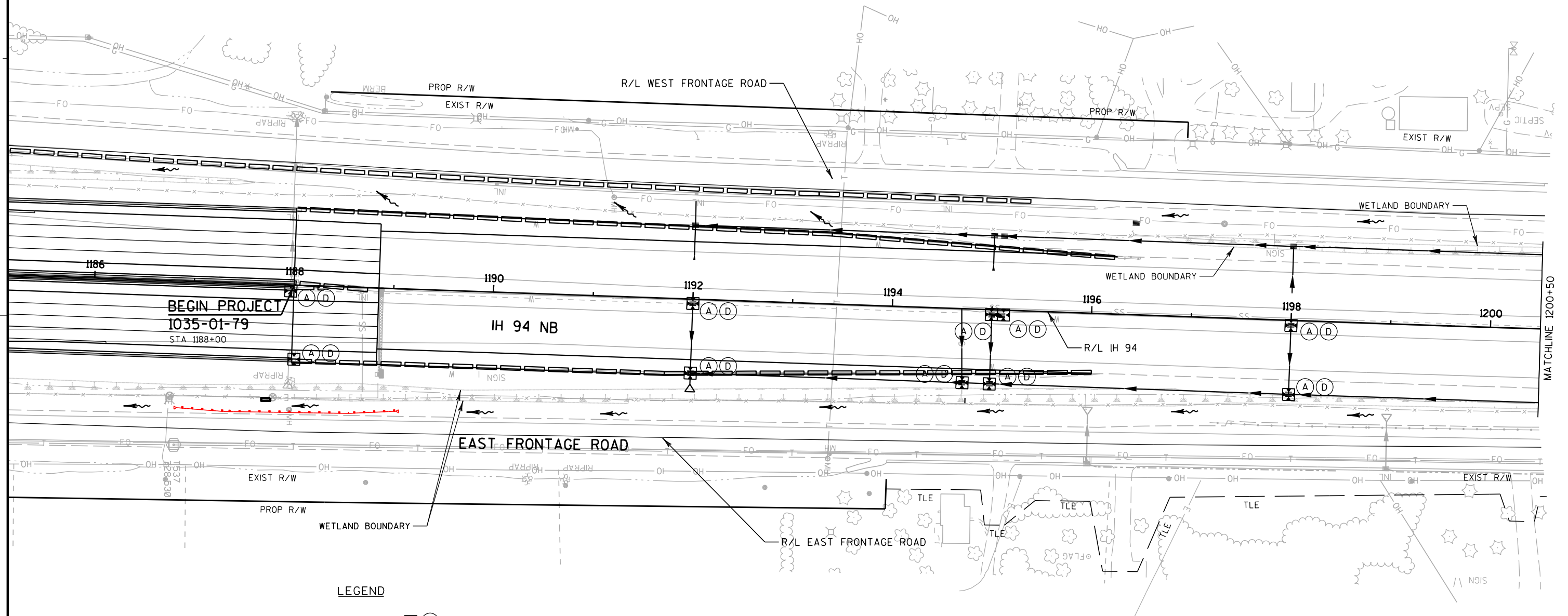
PLOT NAME :

PLOT SCALE : 1:100

WISDOT/CADDs SHEET 42

NOTES:

- 1) WHEN INLET PROTECTION TYPE A AND TYPE B, C, OR D ARE INDICATED AT THE SAME LOCATION, USE TYPE A PRIOR TO THE PLACEMENT OF CURB AND GUTTER AND USE TYPE B, C OR D AFTER THE INLET CASTINGS ARE IN PLACE.
- 2) EROSION CONTROL DEVICES USED IN PREVIOUS CONSTRUCTION STAGES THAT REMAIN IN USE ARE NOT SHOWN.
- 3) STAGE 4B CONSISTS OF THE NORTHBOUND CONSTRUCTION.
- 4) RESTORATION REQUIRED AT FENCE REMOVAL LOCATIONS.

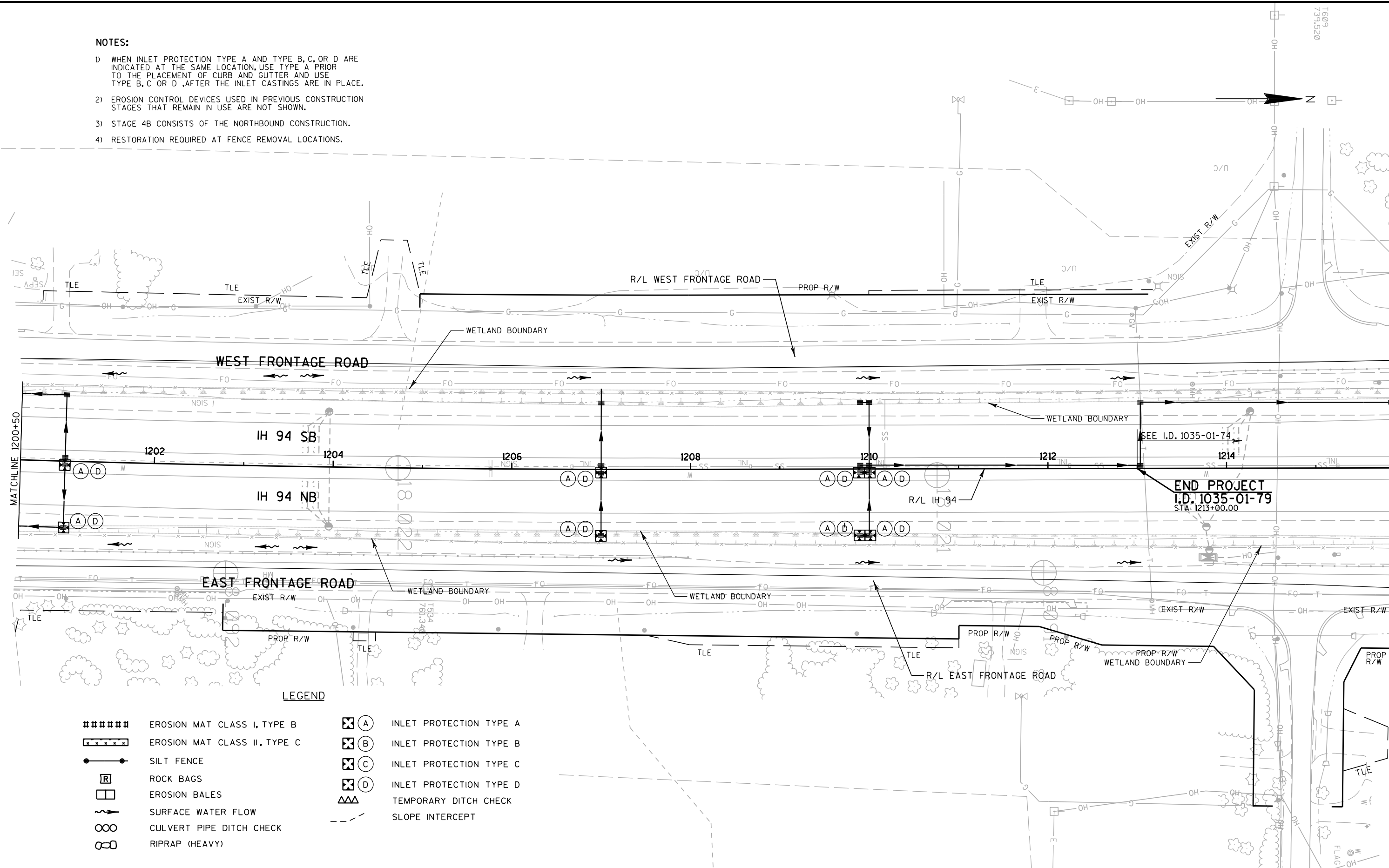
1532
747.460

LEGEND

#####	EROSION MAT CLASS I, TYPE B	⊗ (A)	INLET PROTECTION TYPE A
*****	EROSION MAT CLASS II, TYPE C	⊗ (B)	INLET PROTECTION TYPE B
—●—	SILT FENCE	⊗ (C)	INLET PROTECTION TYPE C
[R]	ROCK BAGS	⊗ (D)	INLET PROTECTION TYPE D
[]	EROSION BALES	ΔΔΔ	TEMPORARY DITCH CHECK
~>	SURFACE WATER FLOW	- - -	SLOPE INTERCEPT
∞	CULVERT PIPE DITCH CHECK		
⊗	RIPRAP (HEAVY)		

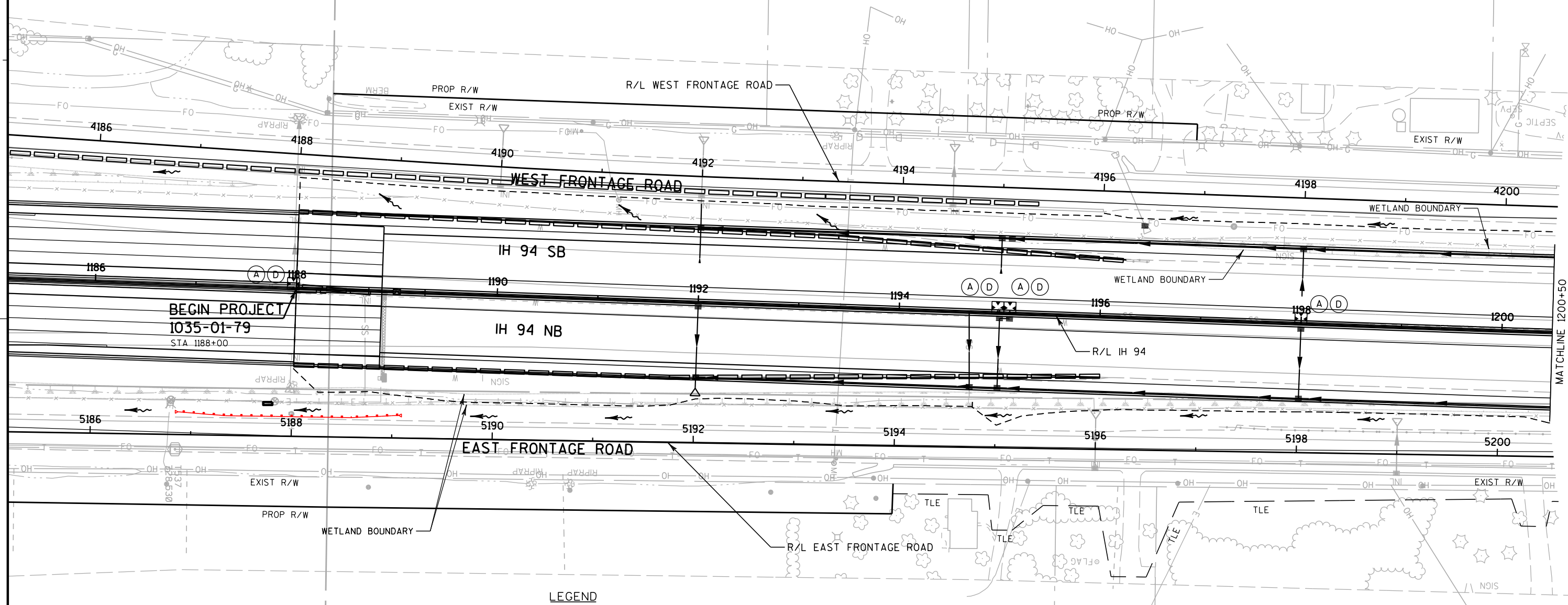
NOTES:

- 1) WHEN INLET PROTECTION TYPE A AND TYPE B, C, OR D ARE INDICATED AT THE SAME LOCATION, USE TYPE A PRIOR TO THE PLACEMENT OF CURB AND GUTTER AND USE TYPE B, C OR D AFTER THE INLET CASTINGS ARE IN PLACE.
- 2) EROSION CONTROL DEVICES USED IN PREVIOUS CONSTRUCTION STAGES THAT REMAIN IN USE ARE NOT SHOWN.
- 3) STAGE 4B CONSISTS OF THE NORTHBOUND CONSTRUCTION.
- 4) RESTORATION REQUIRED AT FENCE REMOVAL LOCATIONS.



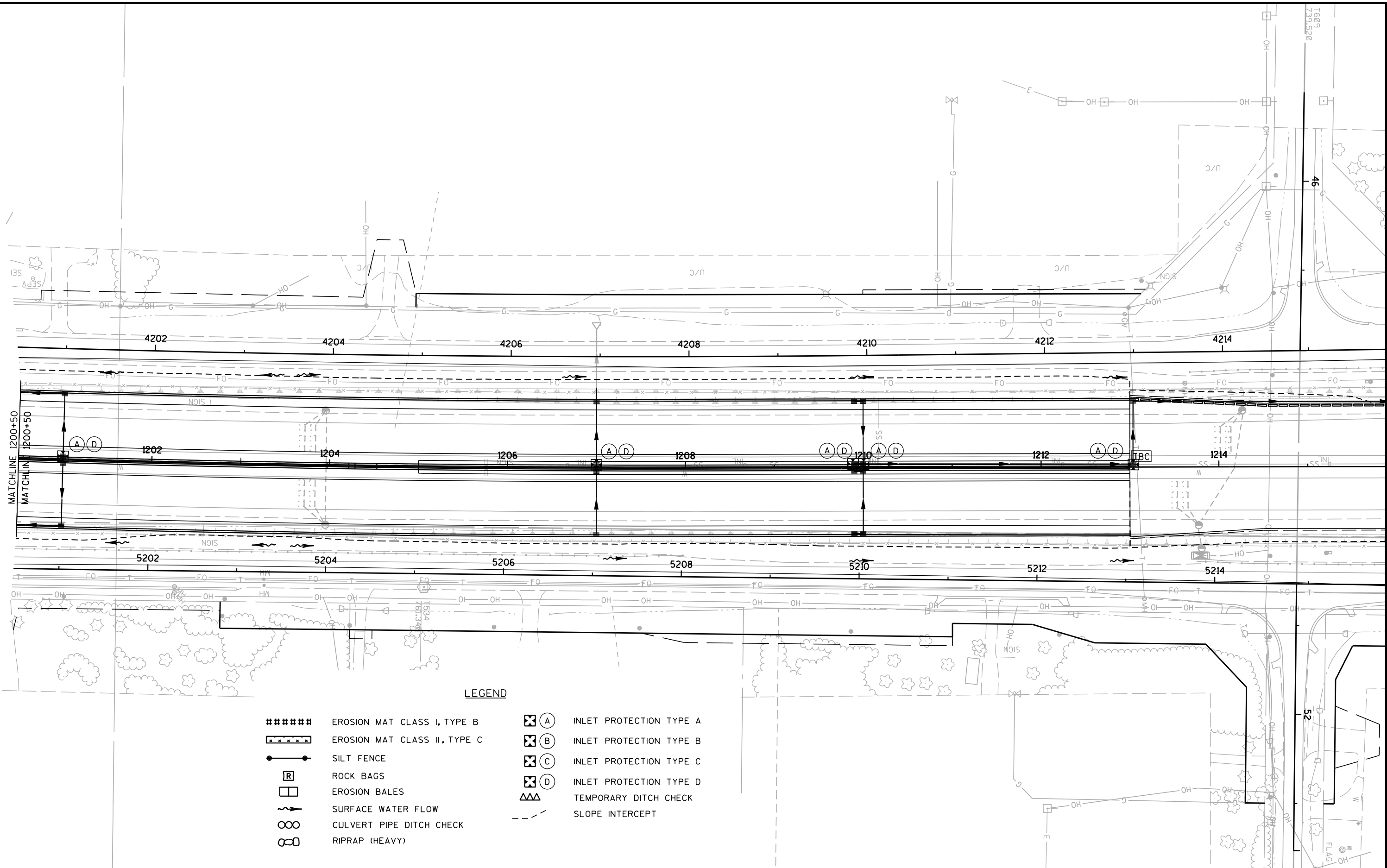
NOTES:

- 1) WHEN INLET PROTECTION TYPE A AND TYPE B, C, OR D ARE INDICATED AT THE SAME LOCATION, USE TYPE A PRIOR TO THE PLACEMENT OF CURB AND GUTTER AND USE TYPE B, C OR D AFTER THE INLET CASTINGS ARE IN PLACE.
- 2) EROSION CONTROL DEVICES USED IN PREVIOUS CONSTRUCTION STAGES THAT REMAIN IN USE ARE NOT SHOWN.
- 3) STAGE 4C CONSISTS OF THE MEDIAN BARRIER CONSTRUCTION.
- 4) RESTORATION REQUIRED AT FENCE REMOVAL LOCATIONS.



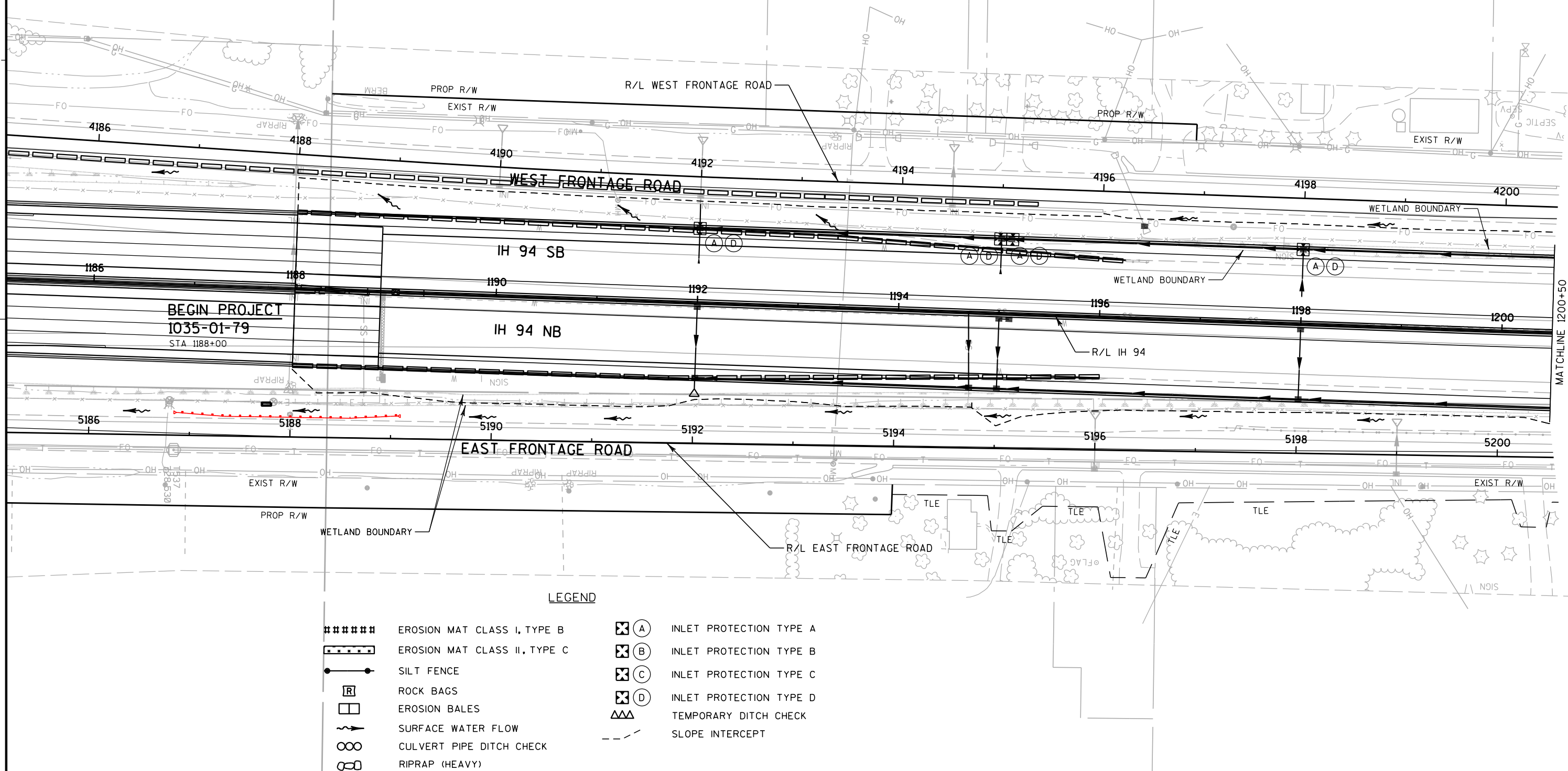
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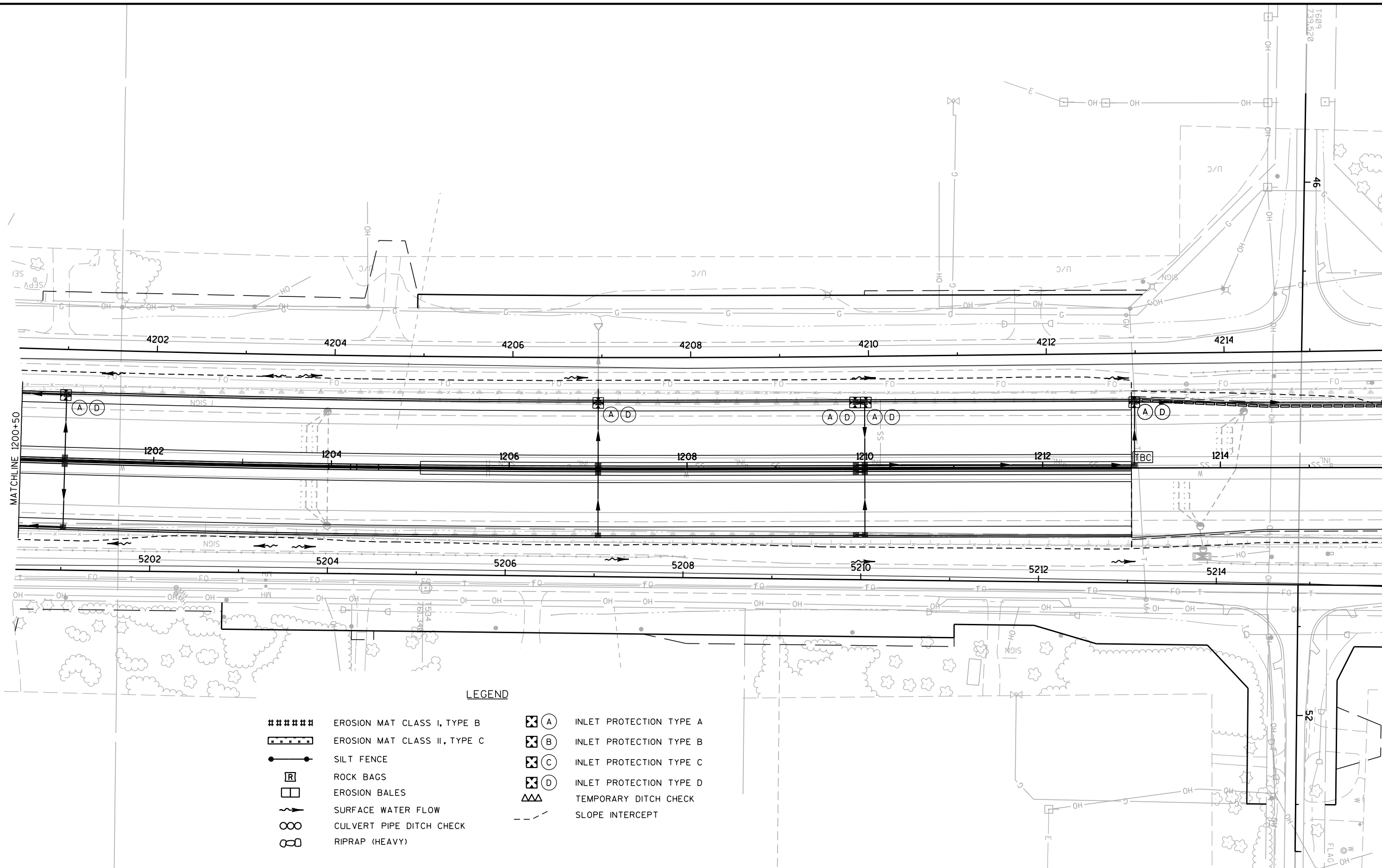
#####	EROSION MAT CLASS I, TYPE B	⊗ (A)	INLET PROTECTION TYPE A
*****	EROSION MAT CLASS II, TYPE C	⊗ (B)	INLET PROTECTION TYPE B
—●—	SILT FENCE	⊗ (C)	INLET PROTECTION TYPE C
[R]	ROCK BAGS	⊗ (D)	INLET PROTECTION TYPE D
[]	EROSION BALES	△△	TEMPORARY DITCH CHECK
~>	SURFACE WATER FLOW	- - -	SLOPE INTERCEPT
∞	CULVERT PIPE DITCH CHECK		
⊗	RIPRAP (HEAVY)		

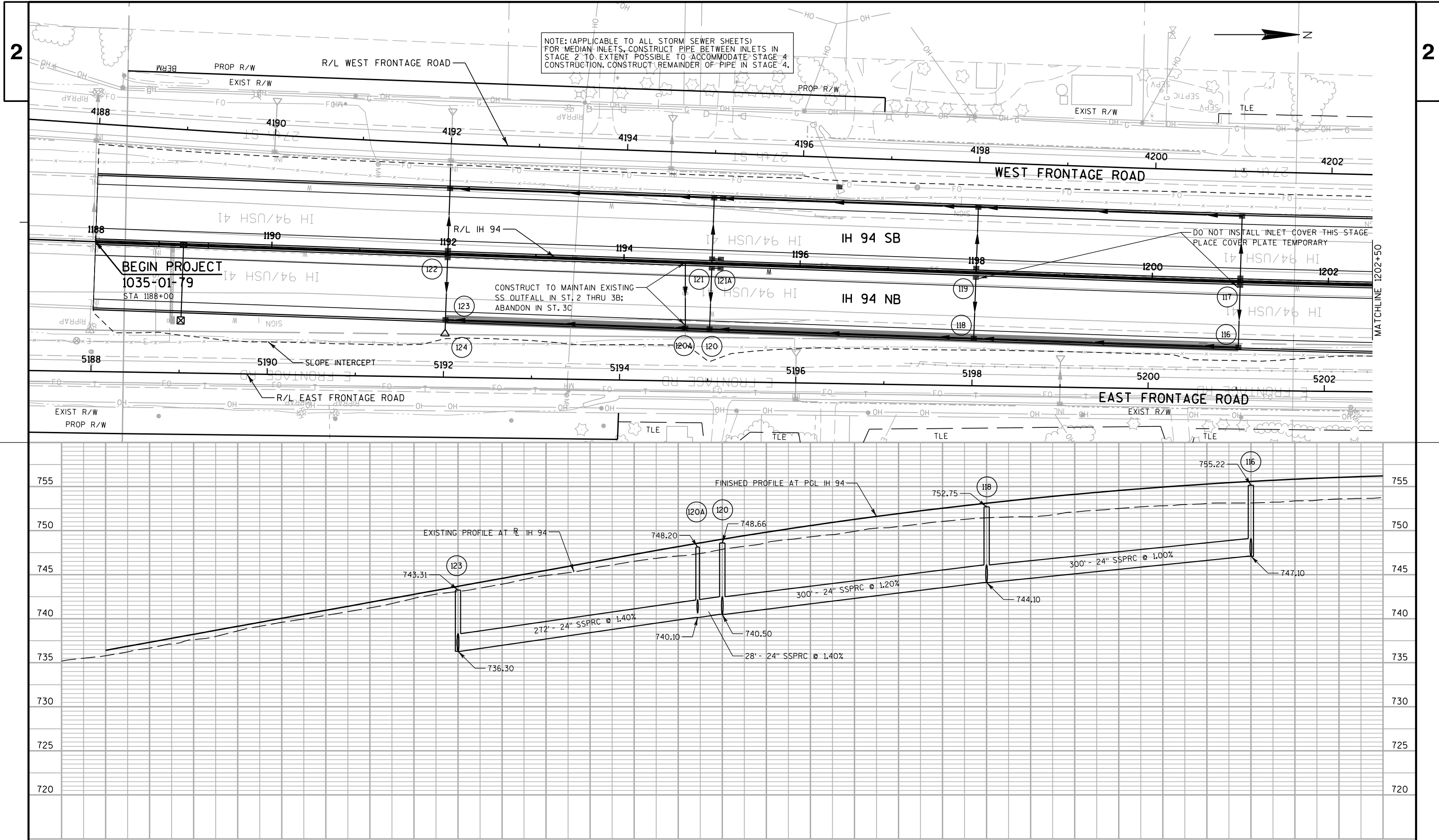


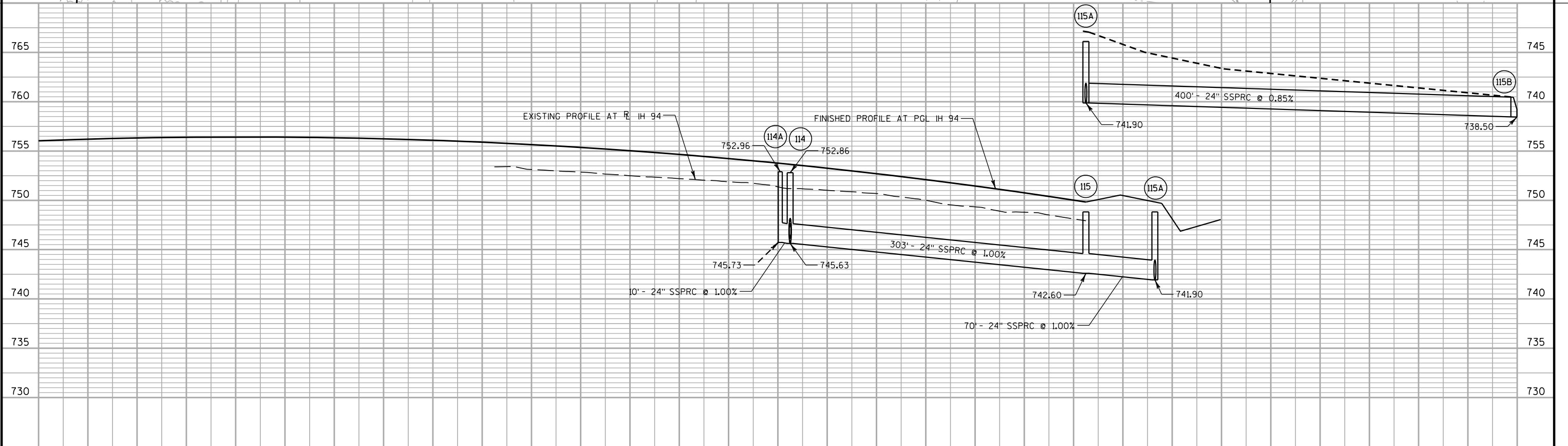
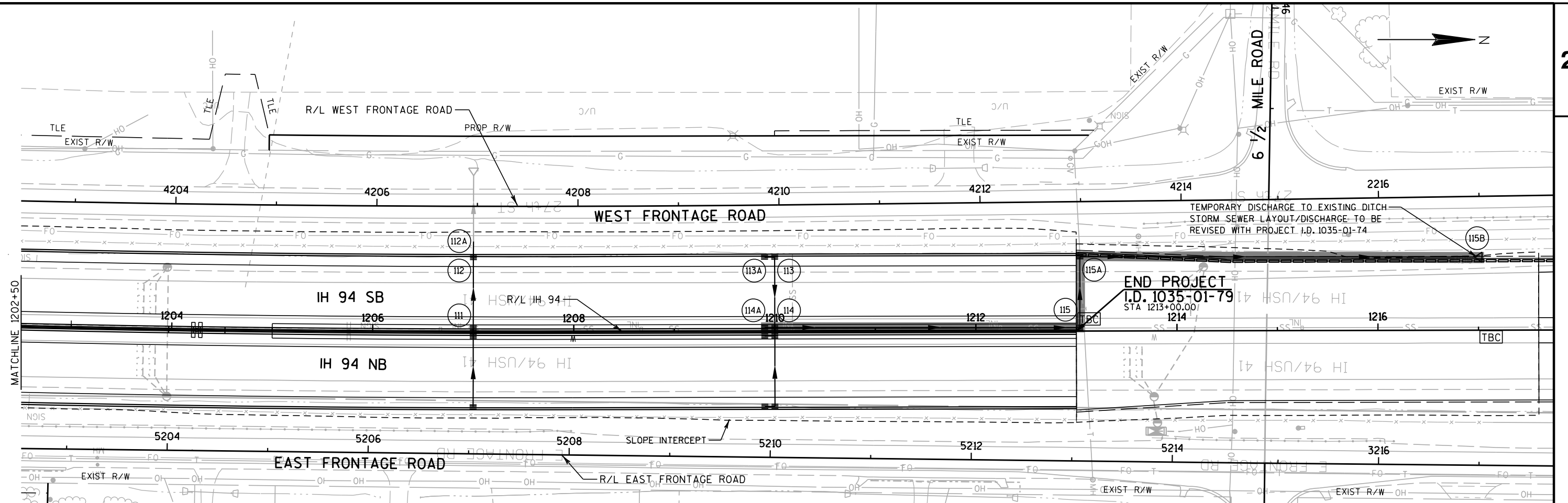
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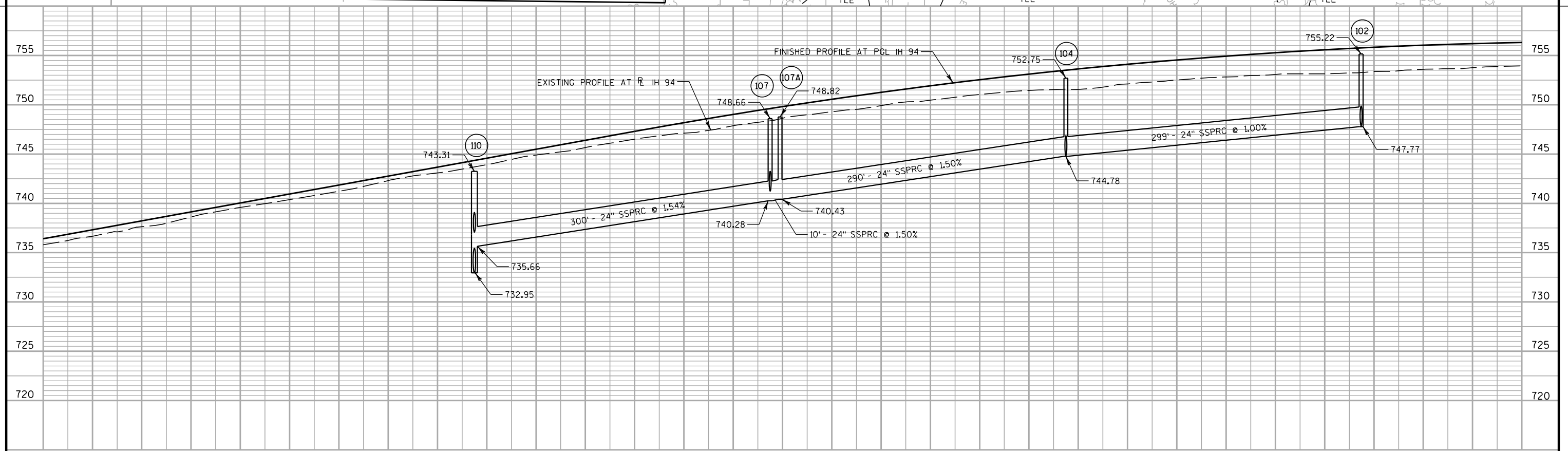
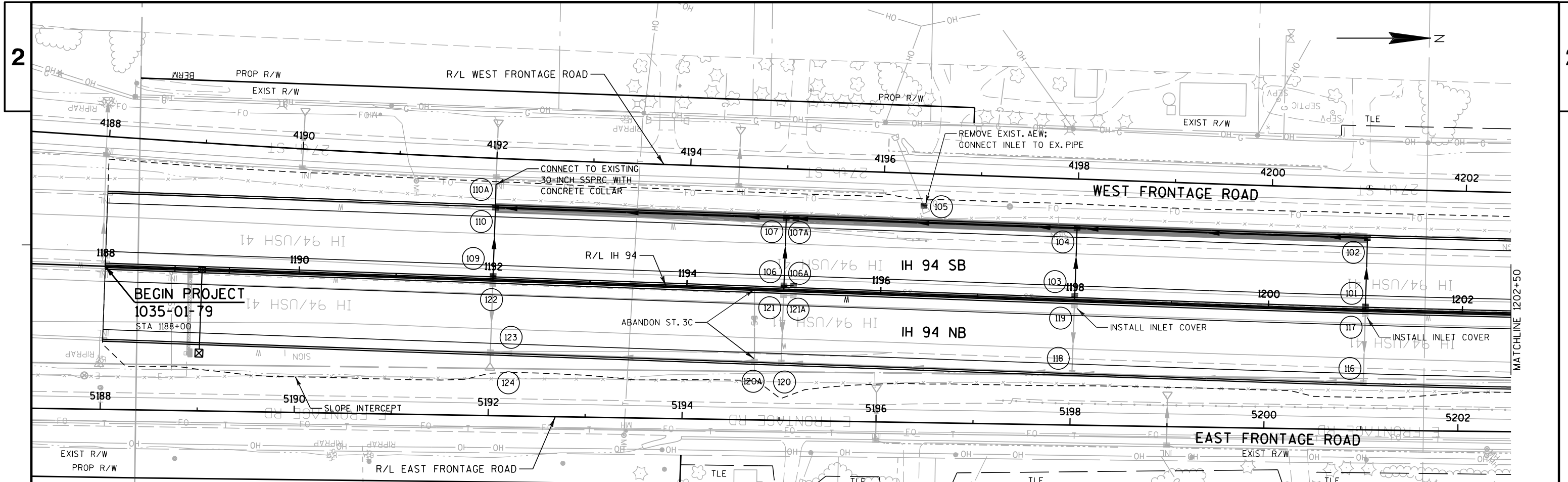
- 1) WHEN INLET PROTECTION TYPE A AND TYPE B, C, OR D ARE INDICATED AT THE SAME LOCATION, USE TYPE A PRIOR TO THE PLACEMENT OF CURB AND GUTTER AND USE TYPE B, C OR D AFTER THE INLET CASTINGS ARE IN PLACE.
- 2) EROSION CONTROL DEVICES USED IN PREVIOUS CONSTRUCTION STAGES THAT REMAIN IN USE ARE NOT SHOWN.
- 3) STAGE 4D CONSISTS OF THE SOUTHBOUND OUTSIDE RUMBLE STRIPS CONSTRUCTION.
- 4) RESTORATION REQUIRED AT FENCE REMOVAL LOCATIONS.

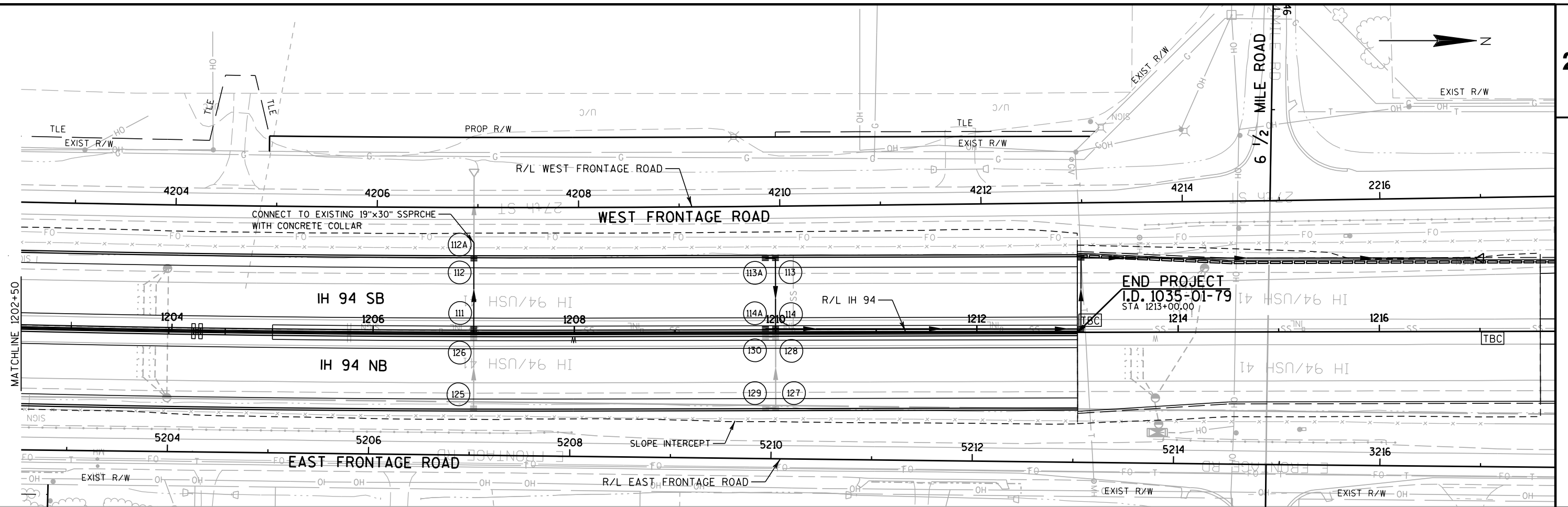




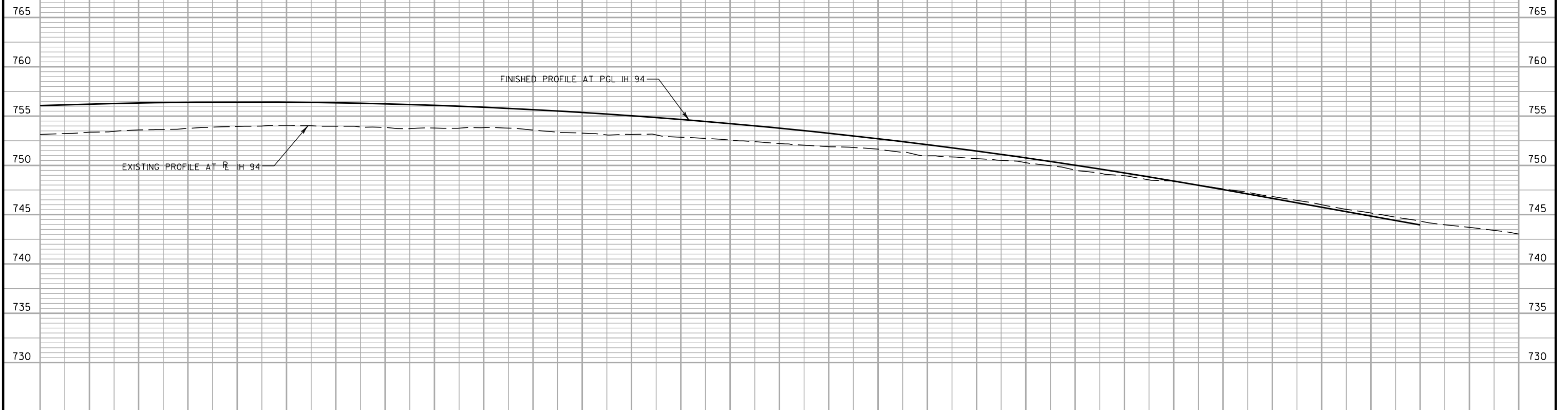


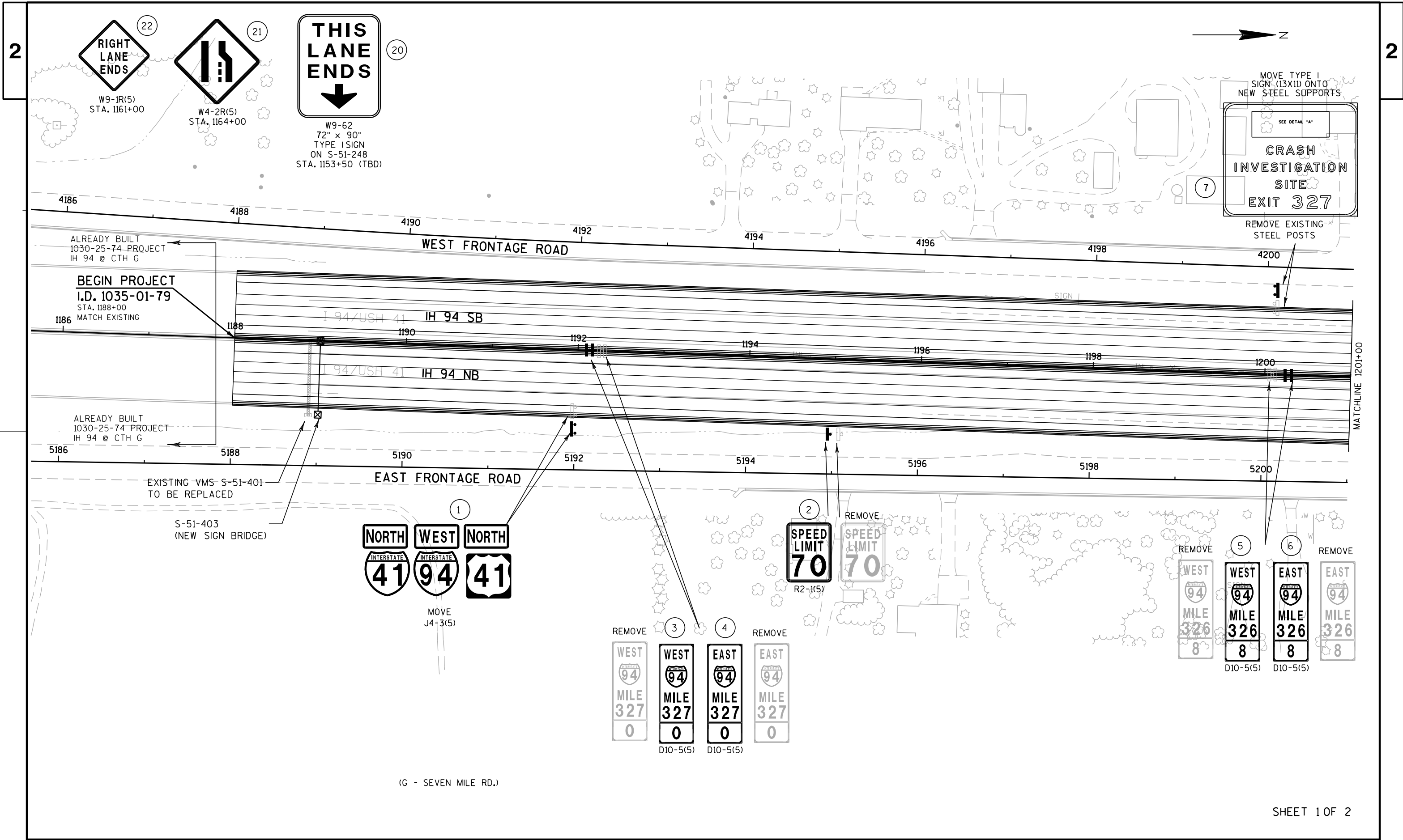


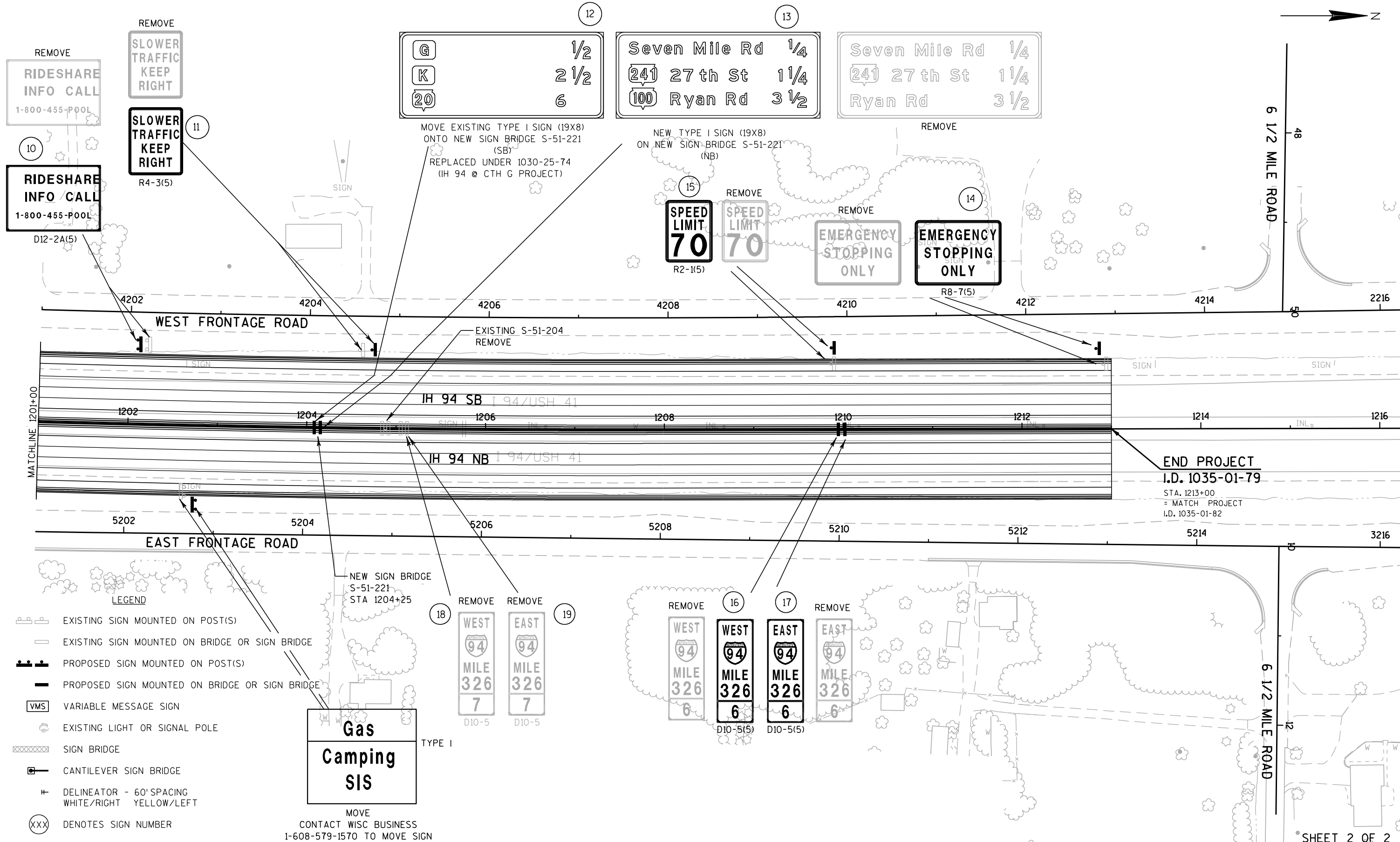


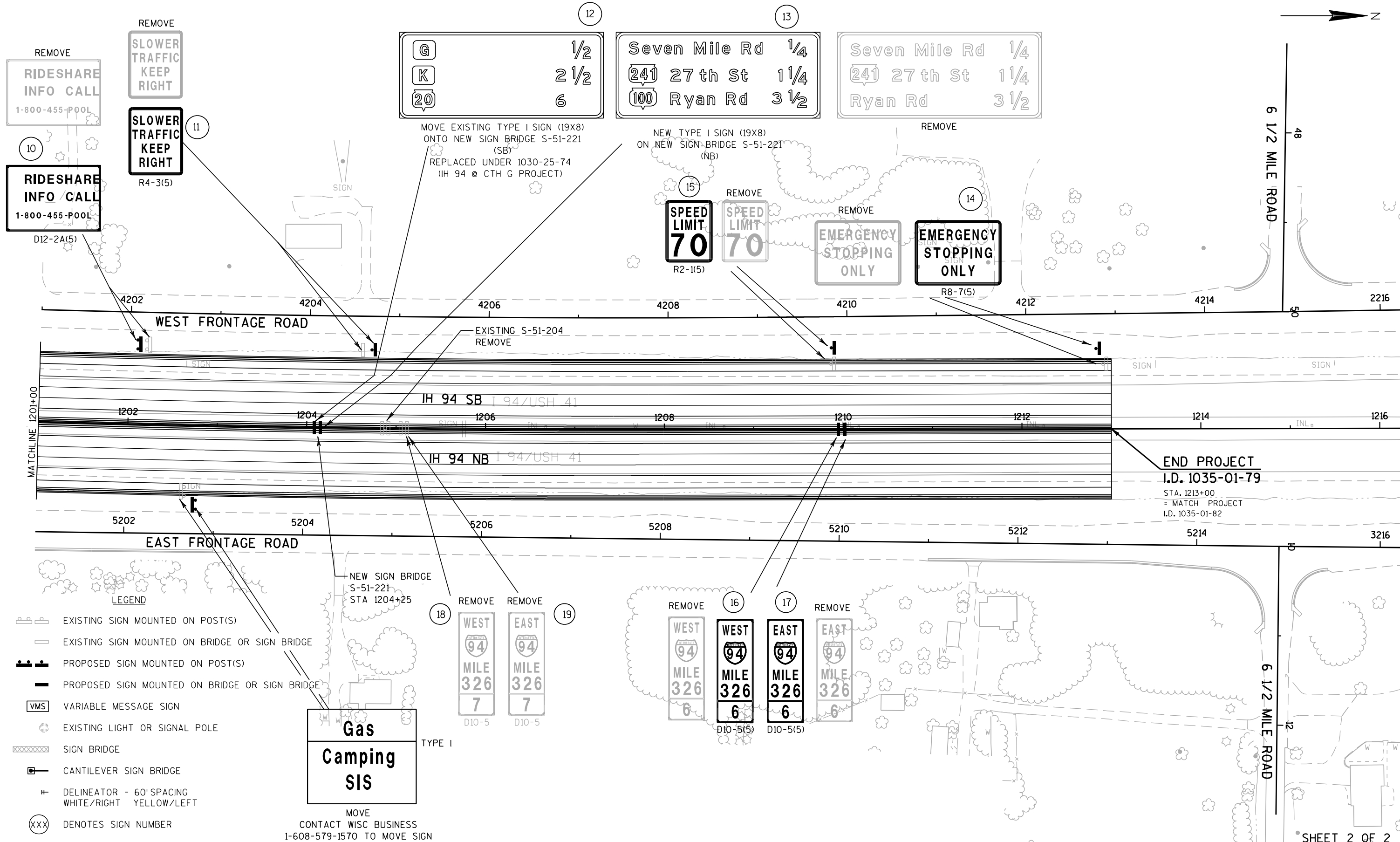


NO TRUNKLINE ON THIS SHEET

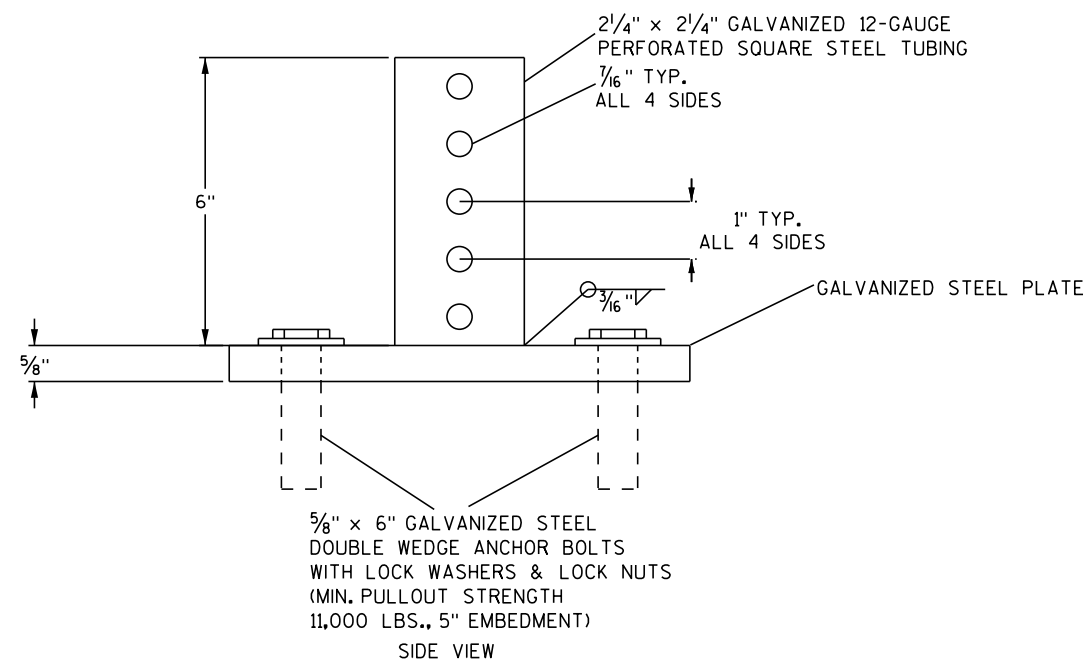
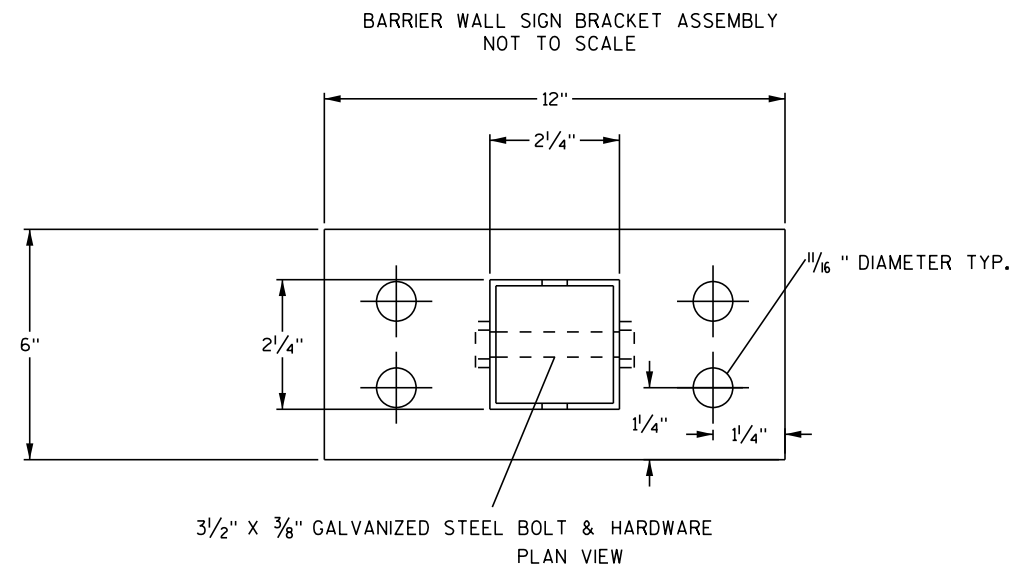




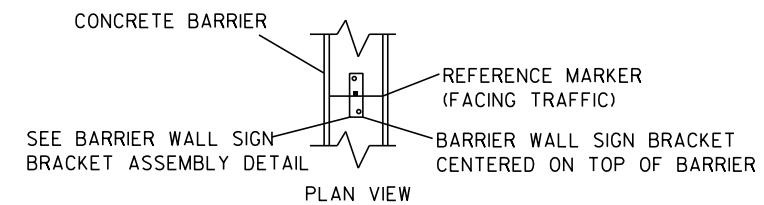




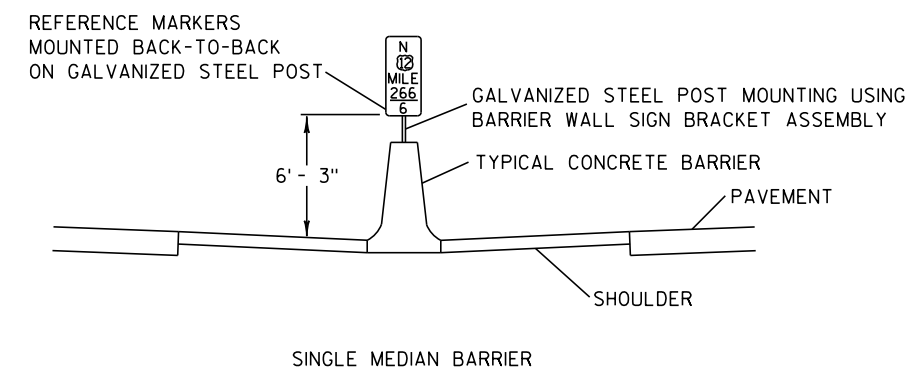
TYPICAL REFERENCE MARKER MOUNTING DETAILS



TYPICAL REFERENCE MARKER PLACEMENT DETAILS



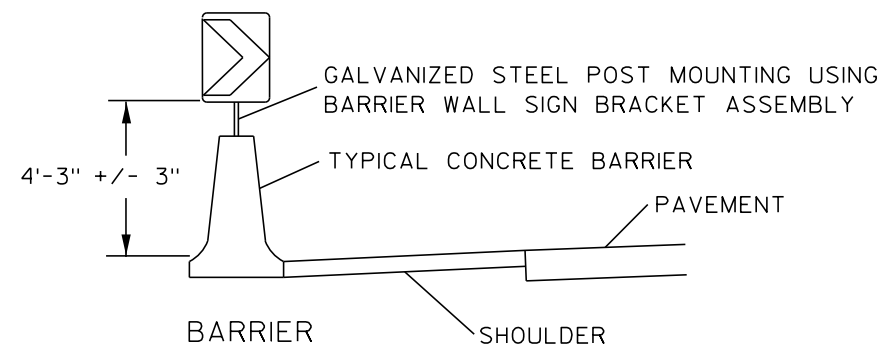
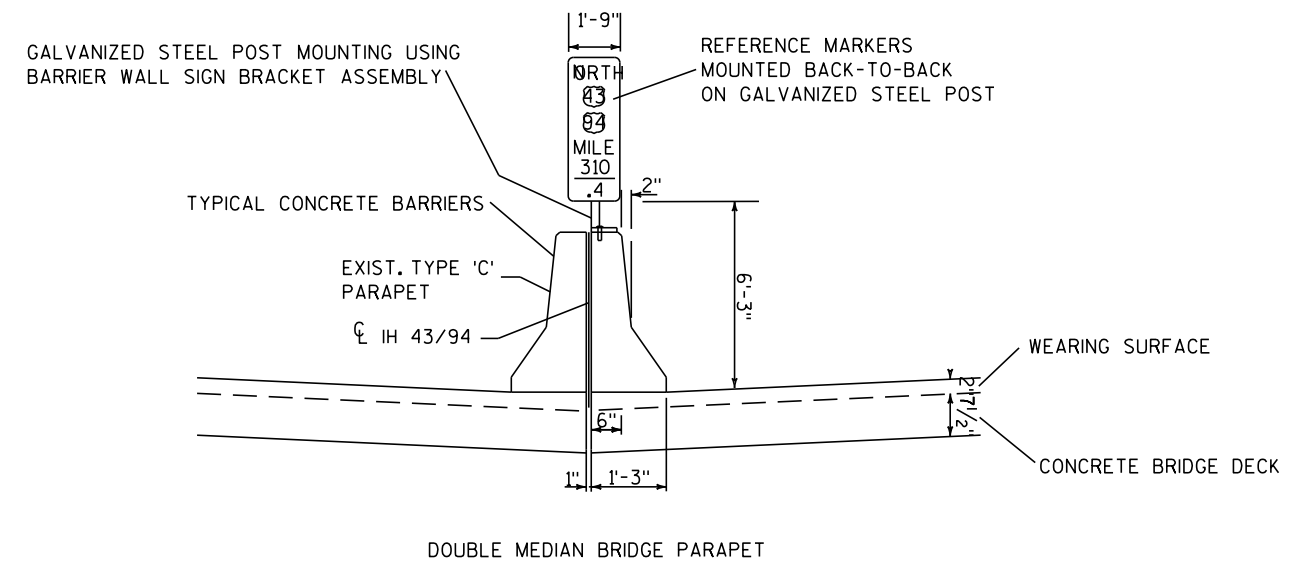
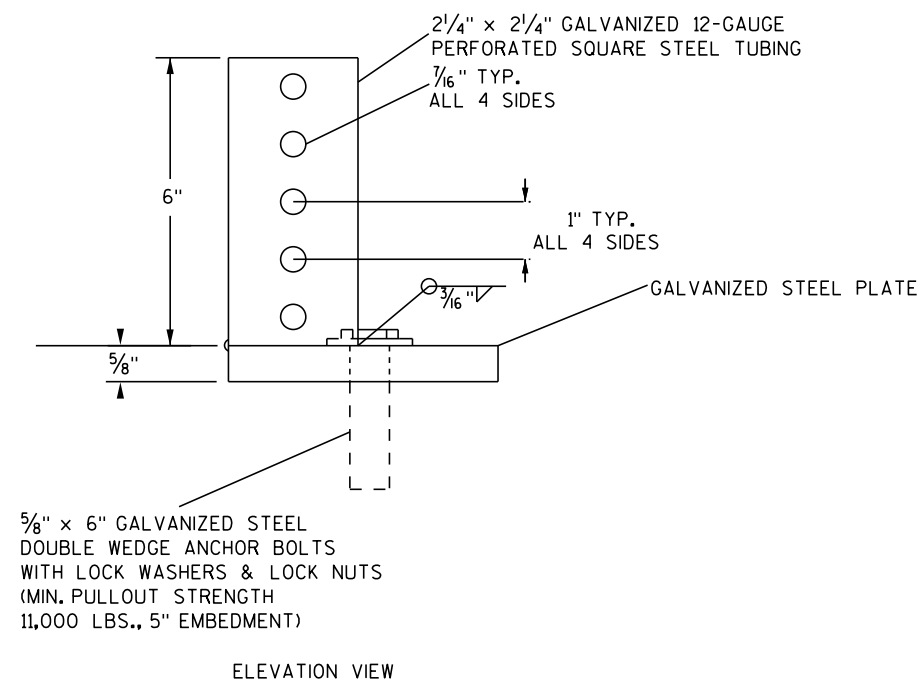
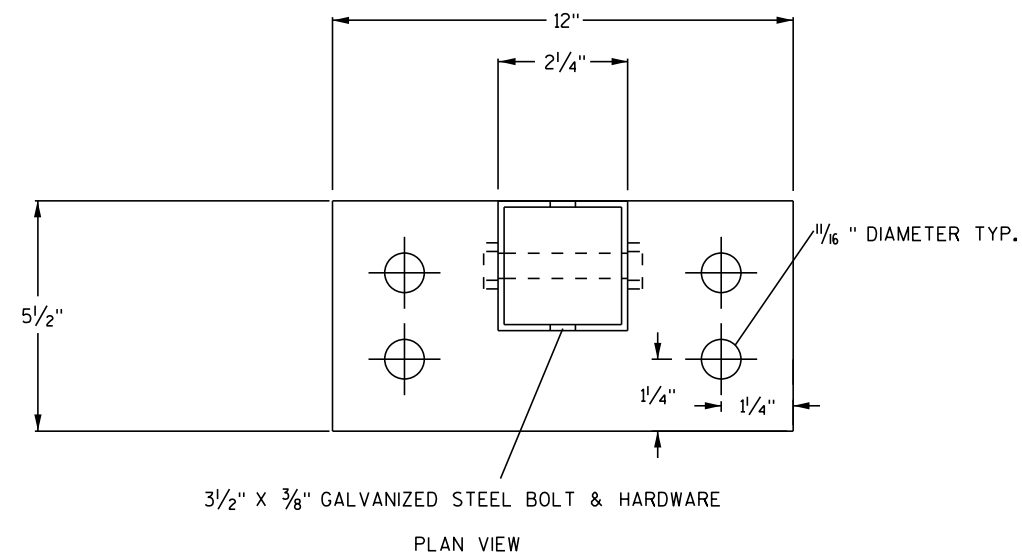
MEDIAN BARRIER MOUNTING DETAIL



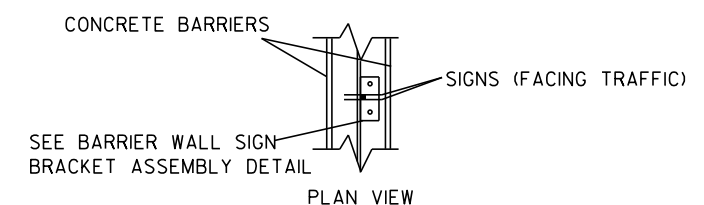
NOTES

- 1) ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATION
- 2) ALL MATERIAL TO BE APPROVED BY ENGINEER BEFORE INSTALLATION
- 3) SEE SIGN PLATE A4-8 FOR BOLT REQUIREMENTS. INCIDENTAL TO SIGN.

BARRIER WALL SIGN BRACKET ASSEMBLY
NOT TO SCALE

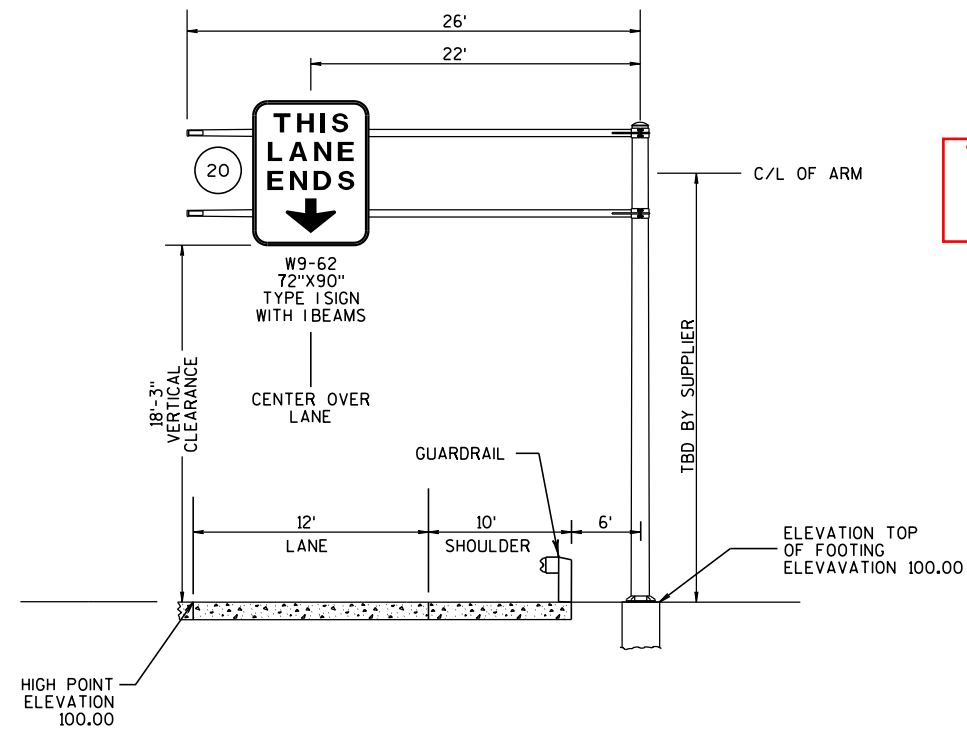


DOUBLE MEDIAN BARRIER
TYPICAL SIGN PLACEMENT DETAILS



MEDIAN BRIDGE PARAPET MOUNTING DETAIL

- NOTES
- 1) ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATION
 - 2) ALL MATERIAL TO BE APPROVED BY ENGINEER BEFORE INSTALLATION
 - 3) SEE SIGN PLATE A4-8 FOR BOLT REQUIREMENTS.



TYPICAL SECTION AND
SUPPORT DETAIL TO
BE UPDATED

OVERHEAD SIGN SUPPORTS DETAIL
S-51-248
I-94 NB @ STATION 1153+50
LONGTERM TEMPORARY OVERHEAD
SIGN SUPPORT NEAR CTH G

DESIGNER NOTE:
CONTRACTOR TO USE SDD 36" DIAMETER CANTILEVER OVERHEAD SIGN SUPPORT BASE

IBEAMS- W5X3.7 IBEAMS FOR MOUNTING SIGNS
ARE INCIDENTAL TO TYPE I SIGNS

NOTE, CONTRACTOR SHALL:
1.) SUBMIT SHOP DRAWINGS TO: TOM HEYDEL, TRAFFIC
OPS, WISDOT OF OVERHEAD SIGN SUPPORT.
FOOTING IS INCIDENTAL TO OVERHEAD SIGN SUPPORT.
2.) PROVIDE DESIGN CALCULATIONS.
3.) SHOW SIGNS ON SHOP DRAWINGS.
4.) I.D. PLAQUE INCIDENTAL TO SIGN SUPPORT
5.) ANCHOR RODS SHALL BE USED PER SDD

LEGEND

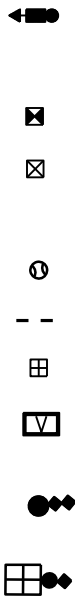
FTMS CONVENTIONAL SYMBOLS

JUNCTION BOX	-----
CCTV CAMERA AND POLE	-----
FTMS FIELD CABINET AND BASE	-----
POLE MOUNTED CABINET	-----
METER BREAKER PEDESTAL	-----
STEEL PULL BOX	-----
24X42-INCH PULL BOX	-----
FTMS (ITS) CONDUIT	-----
BREAKER DISCONNECT BOX	-----
COMMUNICATIONS VAULT, TYPE 1	-----
CONCRETE MANHOLE	-----
TYPE 5 POLE AND MICROWAVE DETECTOR	-----
TEMPORARY SOLAR POWERED MICROWAVE DETECTOR SYSTEM	-----

EXISTING



PROPOSED

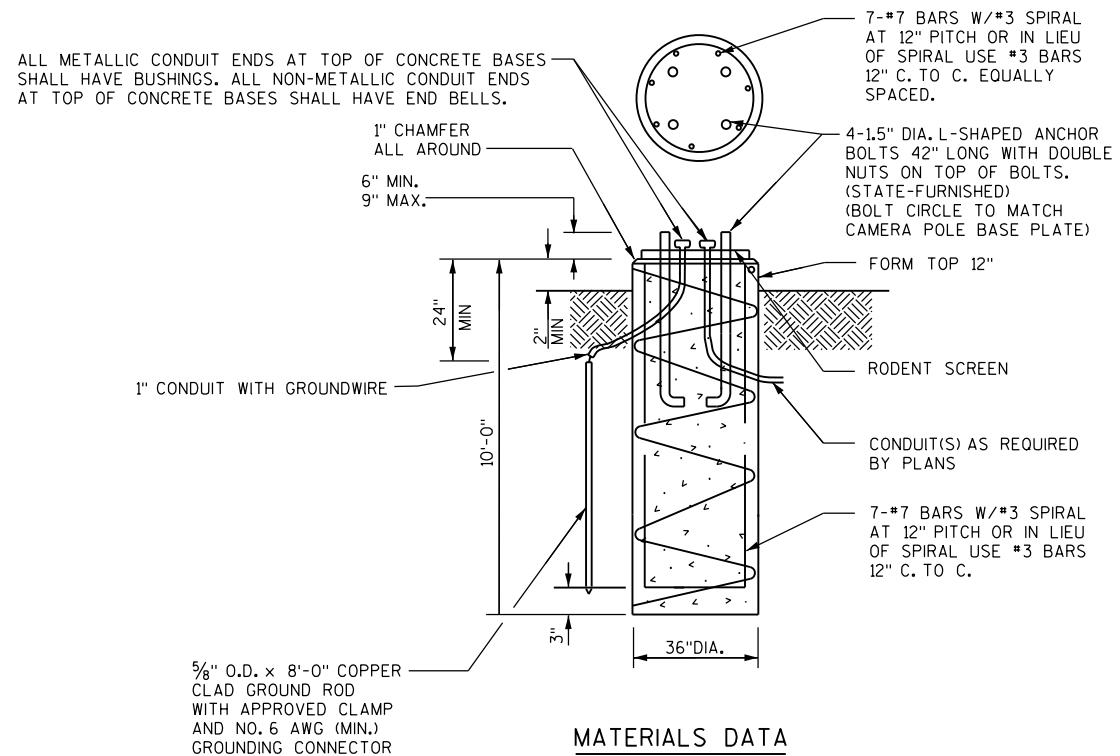
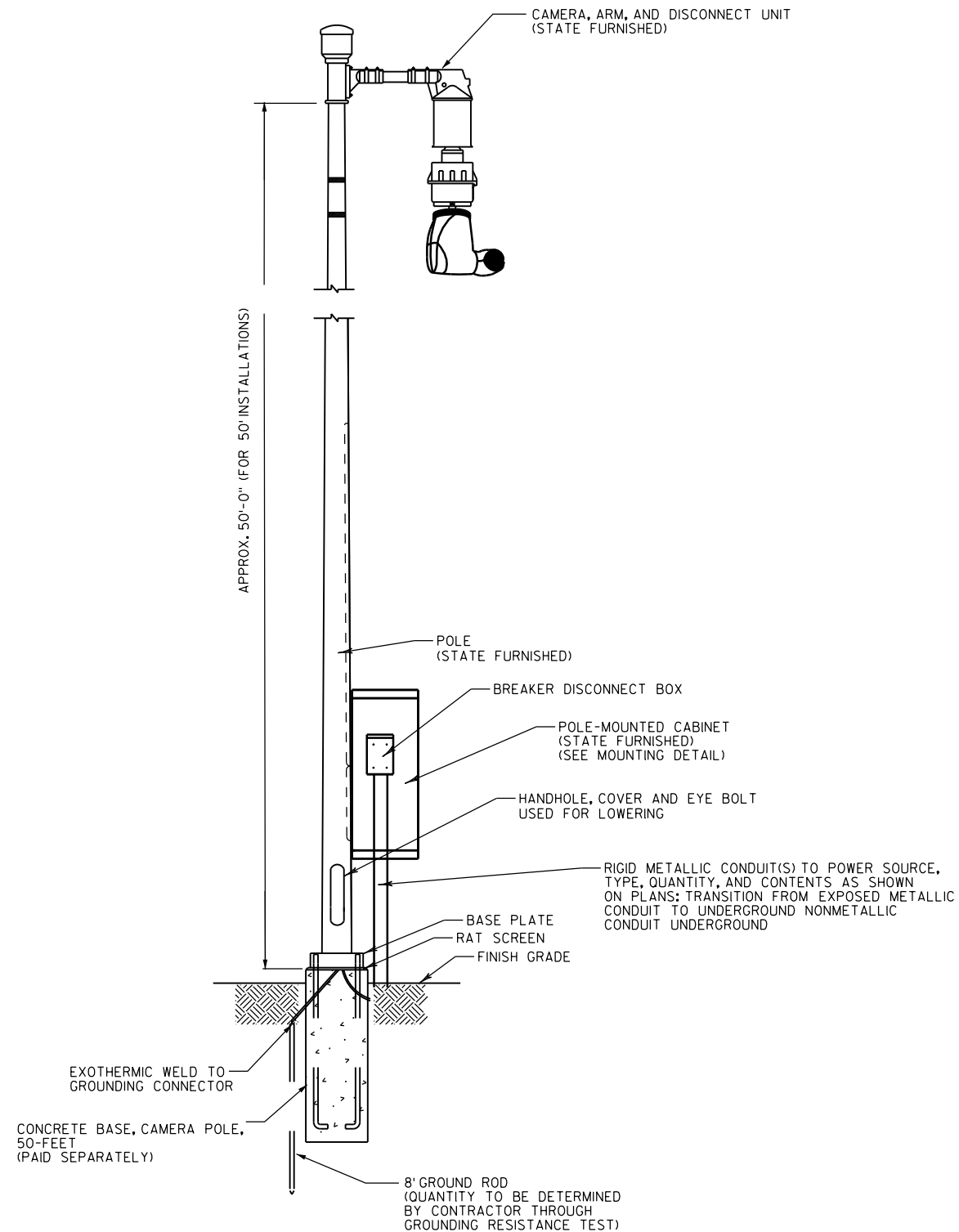


FTMS STANDARD ABBREVIATIONS

CB	CONTROLLER CABINET
CCTV	CLOSED CIRCUIT TELEVISION SITE
CV	COMMUNICATIONS VAULT
PB	PULL BOX
EX	EXISTING
CV	COMMUNICATIONS VAULT
MH	MANHOLE
F.O.	FIBER OPTIC
FOC	FIBER OPTIC CABLE
MD	MICROWAVE DETECTOR
TMPD	TEMPORARY MICROWAVE DETECTOR

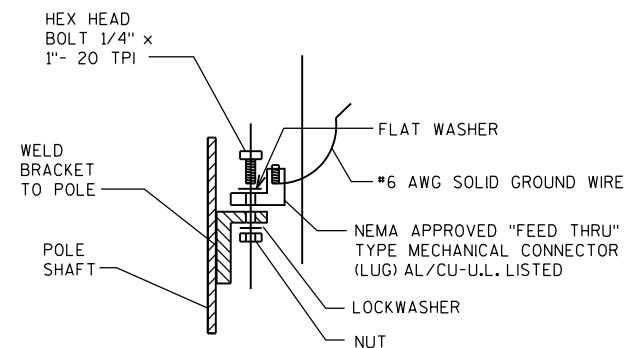
FTMS GENERAL NOTES

- THESE PLANS AND THE ASSOCIATED SPECIAL PROVISIONS REFLECT CONDITIONS KNOWN DURING THE DEVELOPMENT OF THE PLANS AND TECHNICAL SPECIAL PROVISIONS. ALL SCALES, DIMENSIONS AND LOCATIONS SHOWN IN THESE PLANS ARE APPROXIMATE. ACTUAL PHYSICAL FIELD CONDITIONS SHALL PROVIDE THE BASIS FOR THE APPLICATION OF WORK SHOWN IN THE PLANS. THE CONTRACTOR IS FULLY RESPONSIBLE FOR THE APPLICATION OF ALL WORK SHOWN IN THE PLANS TO THE ACTUAL PHYSICAL FIELD CONDITIONS TO PROVIDE A COMPLETE AND ACCEPTED PROJECT. IN THE EVENT THAT ACTUAL PHYSICAL FIELD CONDITIONS AFFECT OR PREVENT THE APPLICATION OR PROGRESSION OF ANY WORK SHOWN IN THE PLANS OR TECHNICAL SPECIAL PROVISIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY, AND PRIOR TO ANY FURTHER WORK ACTIVITY. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY LOCATION CHANGES OTHER THAN MINOR ADJUSTMENTS.
- BE AWARE THAT ALL EXISTING UNDERGROUND AND ABOVE GROUND STRUCTURES AND FACILITIES WITHIN THE SCOPE OF THIS PROJECT MAY NOT BE LOCATED IN THE PLANS. THE CONTRACTOR IS FULLY RESPONSIBLE FOR LOCATING AND AVOIDING ALL UNDERGROUND AND ABOVE GROUND STRUCTURES AND FACILITIES.
- BE AWARE THAT NO TEST BORINGS WERE MADE WHERE CONDUITS, PULLBOXES, POLES, CABINET FOUNDATIONS, OR OTHER EQUIPMENT IS TO BE INSTALLED. THE CONTRACTOR IS FULLY RESPONSIBLE FOR EXAMINING THE JOB SITE CONDITIONS BEFORE SUBMITTING BID PROPOSALS.
- NO TREES (AND/OR SHRUBS) SHALL BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.
- AREAS WITHIN THE RIGHT-OF-WAY DISTURBED SPECIFICALLY FOR FTMS CONSTRUCTION SHALL BE RESTORED TO THE ORIGINAL CONDITION WITH TOPSOIL, FERTILIZER, SEED, AND EROSION MAT, AND SHALL BE INCLUDED IN THE COST OF INSTALLING FTMS ITEMS. RESTORATION FOR AREAS DISTURBED FOR OTHER CONSTRUCTION OPERATIONS BUT ALSO CONTAINING FTMS CONSTRUCTION SHALL BE DONE ACCORDING TO REQUIREMENTS AND PAYMENT PROVISIONS FOR THE OTHER CONSTRUCTION OPERATIONS.
- THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
- DUE TO RAMP, LANE, SHOULDER CLOSURE RESTRICTIONS, AND WORK UNDER OTHER CONTRACTS, SOME WORK MAY BE REQUIRED TO BE PERFORMED AT NIGHT.
- THE CONTRACTOR IS FULLY RESPONSIBLE FOR COORDINATING RAMP, LANE, SHOULDER, AND ROADWAY CLOSURES WITH OTHER CONTRACTS IN THE AREA.
- THE CONTRACTOR SHALL CONTACT THE WISDOT STATEWIDE TRAFFIC OPERATIONS CENTER AT (414) 227-2166 FIVE (5) WORKING DAYS PRIOR TO ENTERING ANY EXISTING WISDOT FTMS OR ITS CABINET.
- ALL LOOP DETECTORS ARE STATIONED TO CENTER OF LEADING EDGE AS APPROACHED BY NORMAL VEHICLE PATH.
- HAND DIG TRENCHES CROSSING EXISTING CONDUIT CONTAINING FIBER OPTIC CABLE.
- VISUALLY VERIFY DEPTHS OF EXISTING CONDUITS CONTAINING FIBER OPTIC CABLE PRIOR TO CROSSING BY DIRECTIONAL BORE OR SPECIAL METHOD.



CONCRETE $f'_c = 3,500$ psi
HIGH STRENGTH BAR
STEEL REINFORCEMENT $f_y = 60,000$ psi

CONCRETE BASE, 50' CAMERA POLE
NOT TO SCALE

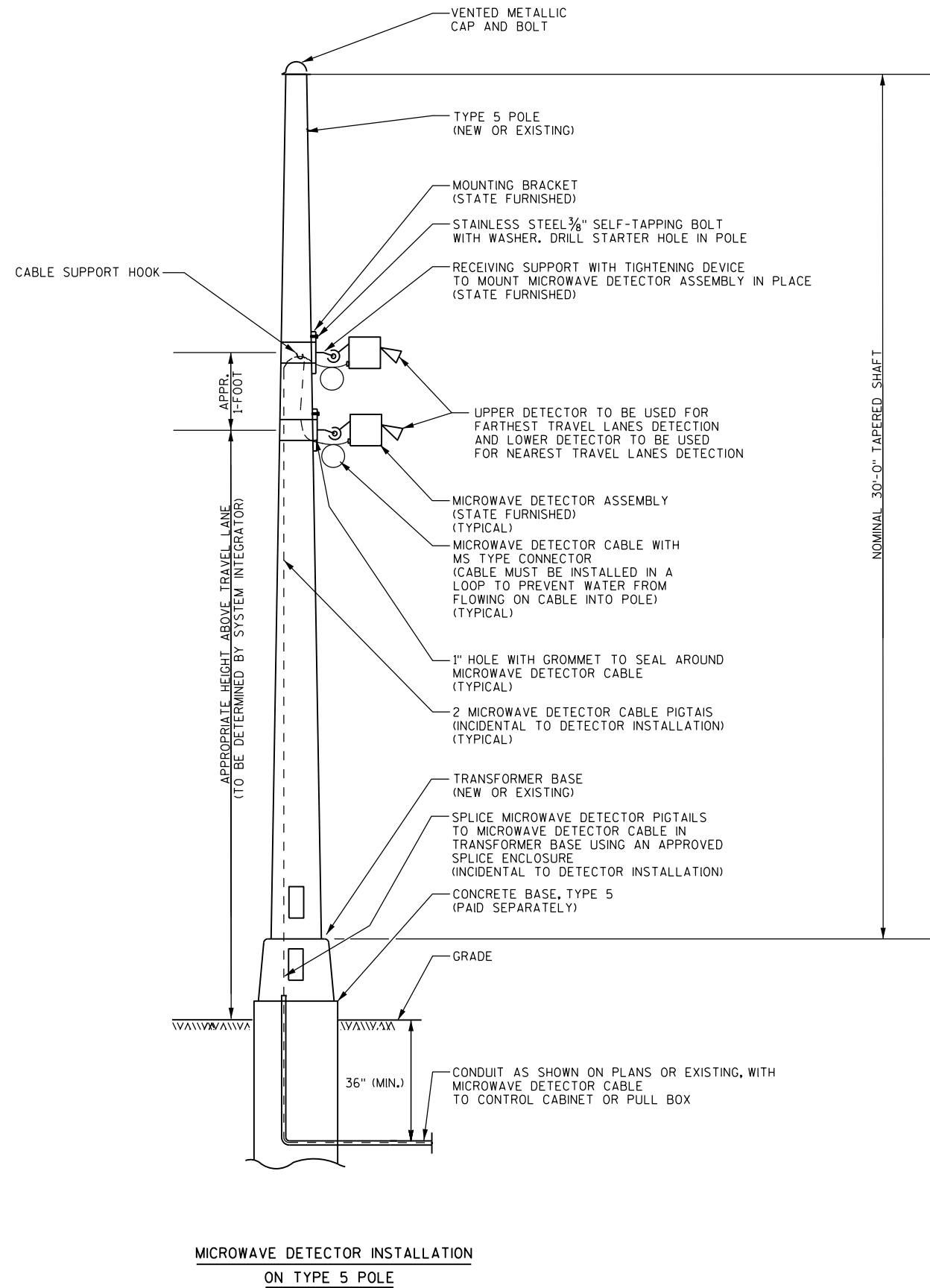


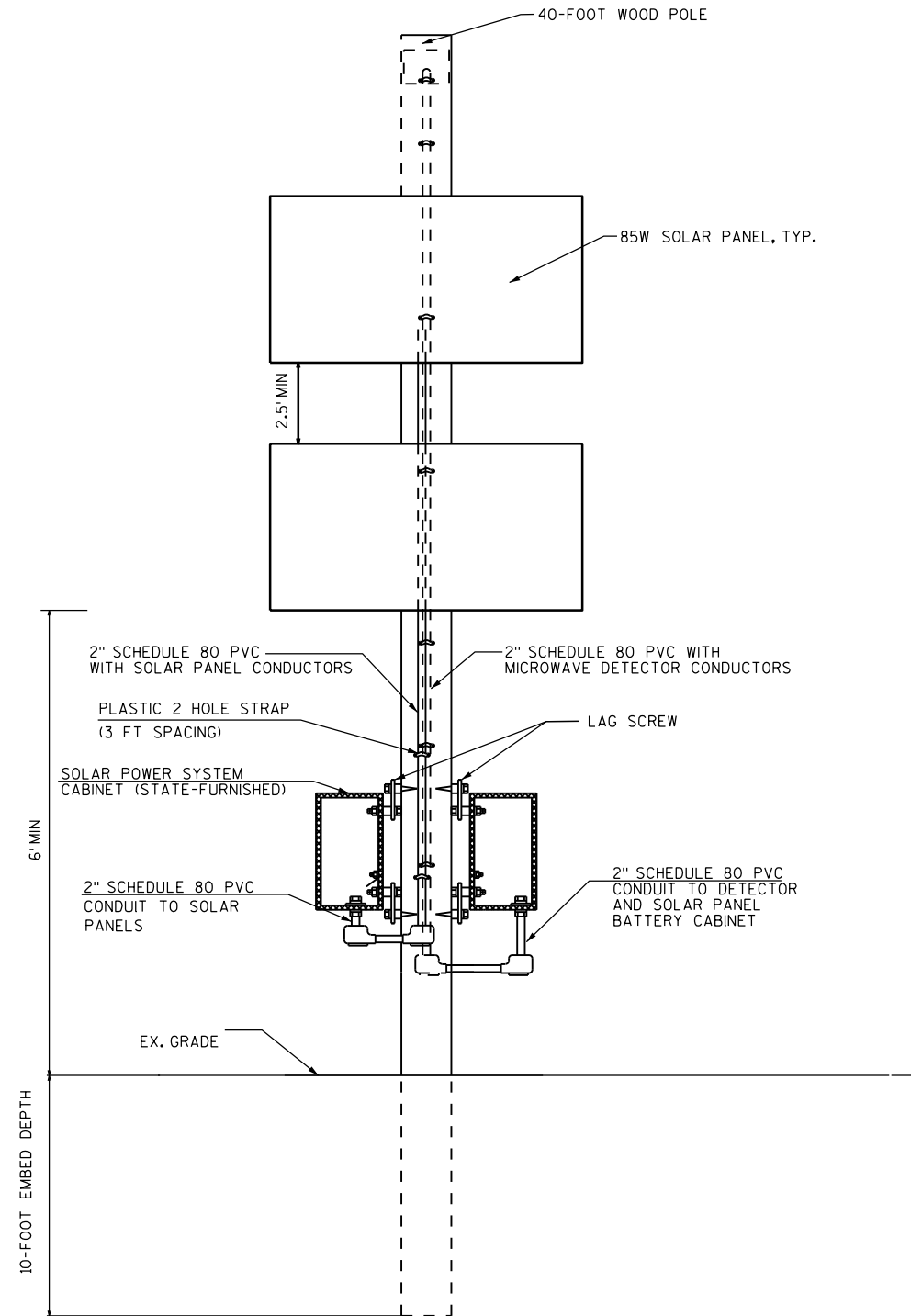
FIELD INSTALLED GROUNDING LUG

CAMERA POLES & FOUNDATIONS

NOTES

- 1) ALL HARDWARE AND FASTENERS SHALL BE STAINLESS STEEL
- 2) POLE DRAWINGS SHOWN FOR BIDDING INFORMATION PURPOSES ONLY. POLES WILL BE STATE FURNISHED. BASE TO BE CONTRACTOR DESIGNED.
- 3) CONTRACTOR SHALL CONFIRM BOLT PATTERN OF CAMERA POLE PRIOR TO CONSTRUCTION OF CONCRETE BASE.
- 4) CONTRACTOR SHALL INSTALL GROUNDING LUG AS SHOWN

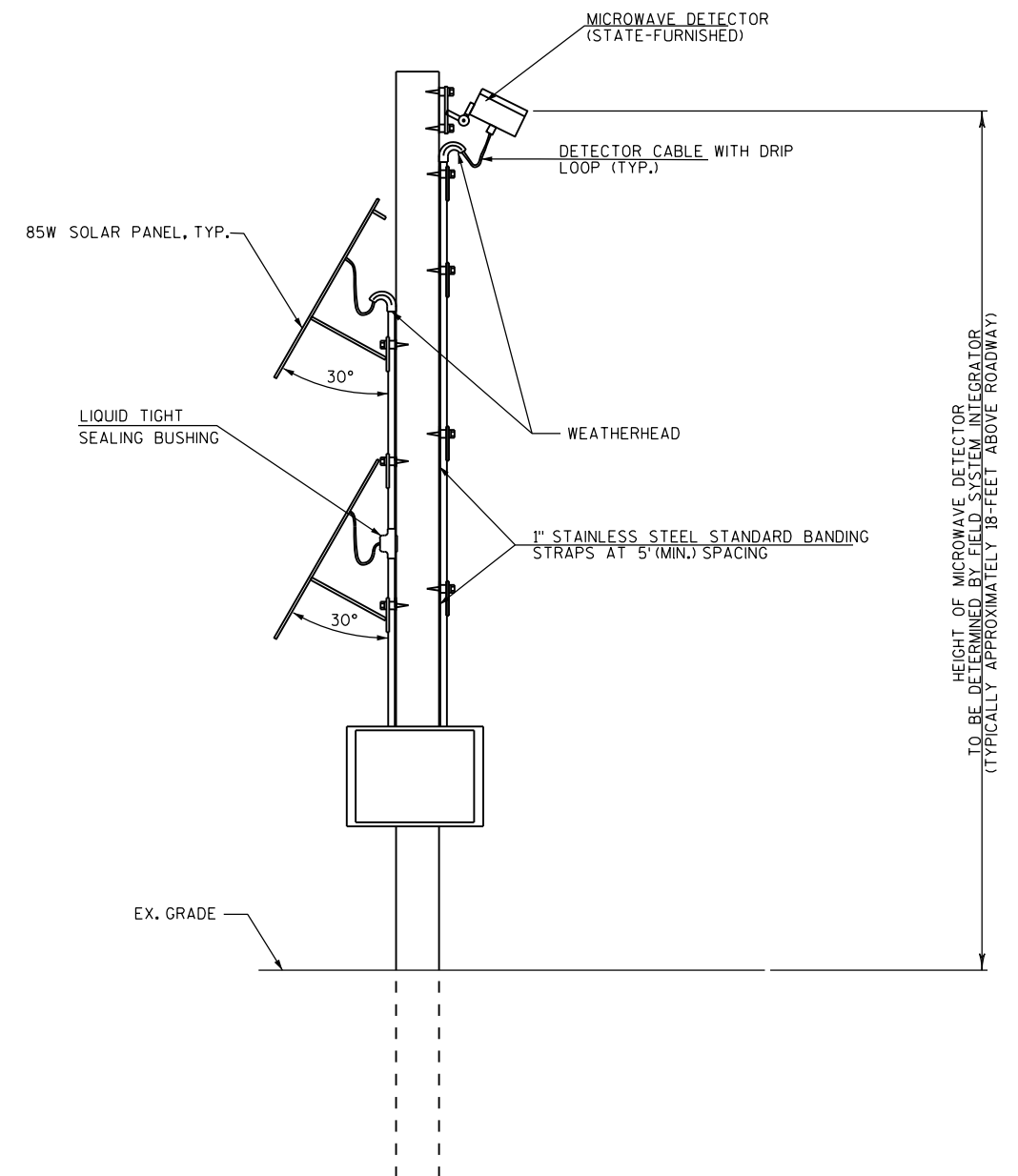


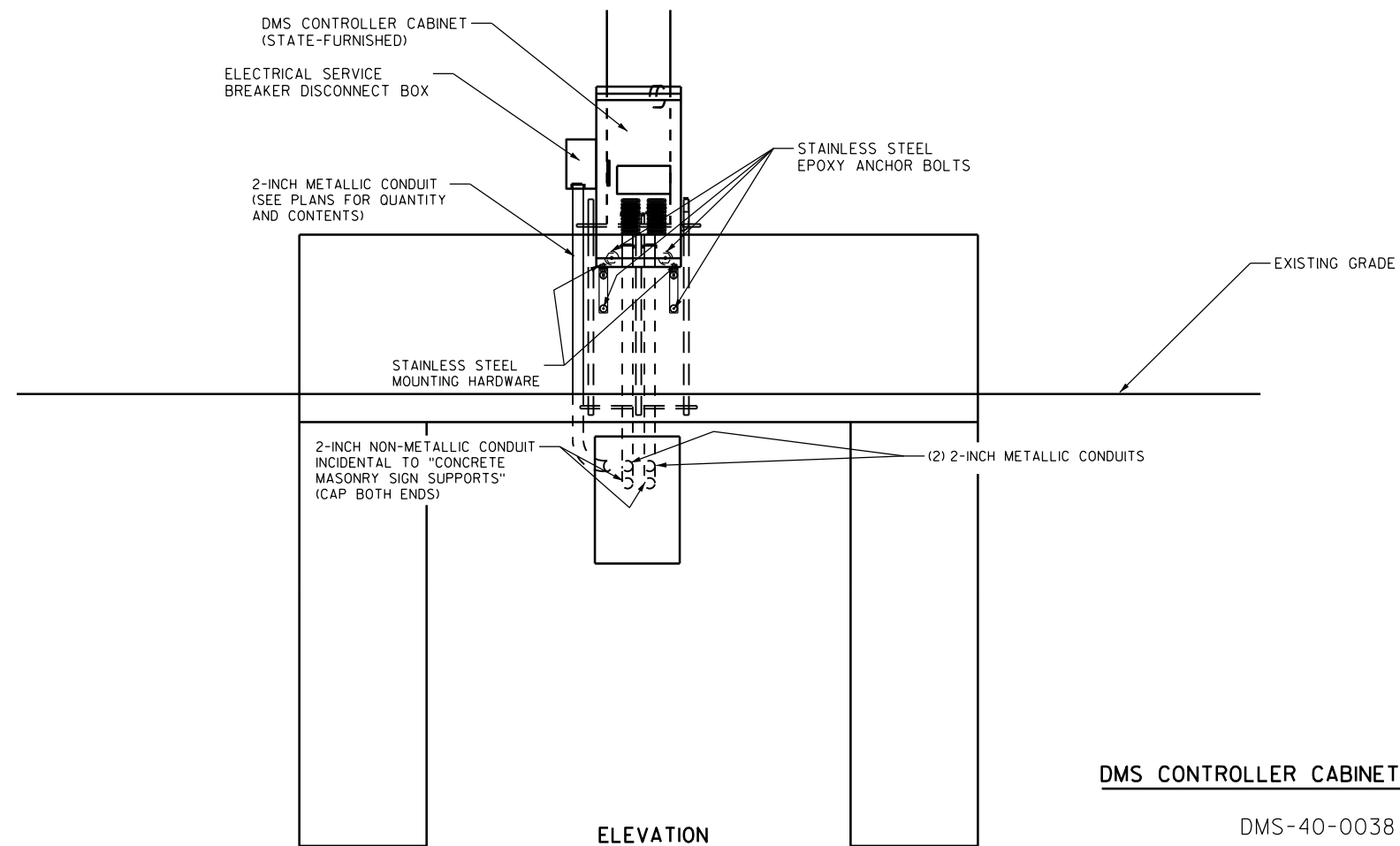
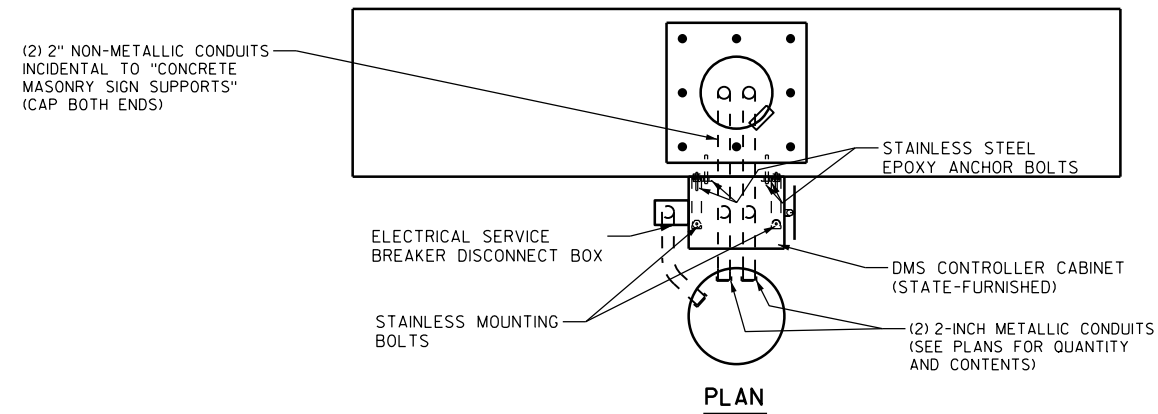


NOTES:

1. ALL WIRES ENTERING CONDUIT, LB'S AND SERVICE CAPS SHALL HAVE AN ESTABLISHED DRIP LOOP TO PREVENT WATER FROM ENTERING CONDUIT.
2. ANY LB OPENINGS THAT ARE NOT ATTACHED TO CONDUIT SHALL BE WEATHERPROOFED USING A SILICONE SEAL.
3. SOLAR PANELS MUST FACE DUE SOUTH.
4. COORDINATE SOLAR PANEL LOCATIONS WITH VEHICLE DETECTORS, GIVING PRIORITY TO VEHICLE DETECTORS.
5. CONTRACTOR SHALL PROVIDE REQUIRED SETTING DEPTH AND ADEQUATE POLE HEIGHT ABOVE MONITORED ROAD SURFACE TO MEET VEHICLE DETECTOR MANUFACTURER'S SPECIFICATIONS.
6. CONTRACTOR TO DETERMINE MOUNTING HEIGHT OF MICROWAVE DETECTOR ABOVE ROADWAY BEING DETECTED. NOMINAL HEIGHT IS APPROXIMATELY 18-FEET ABOVE ROADWAY.

INSTALLING TEMPORARY VEHICLE DETECTOR ASSEMBLY



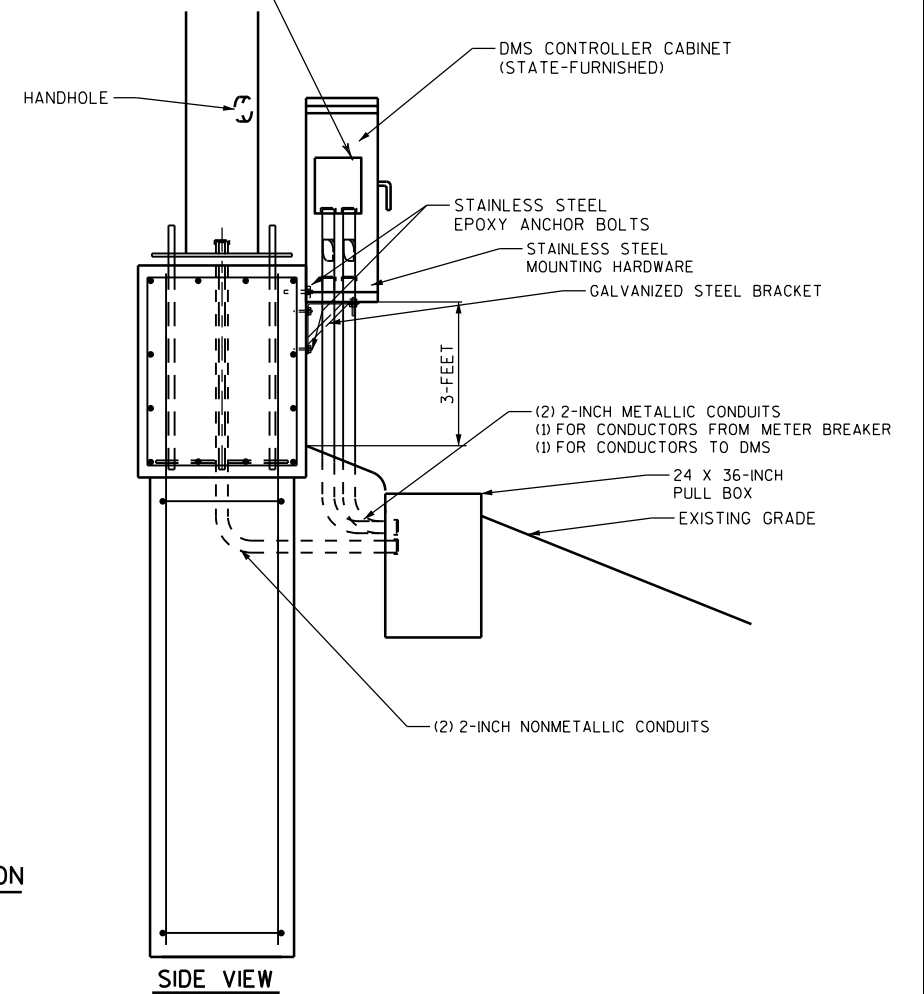


LOOKING WEST (DMS-51-0023)

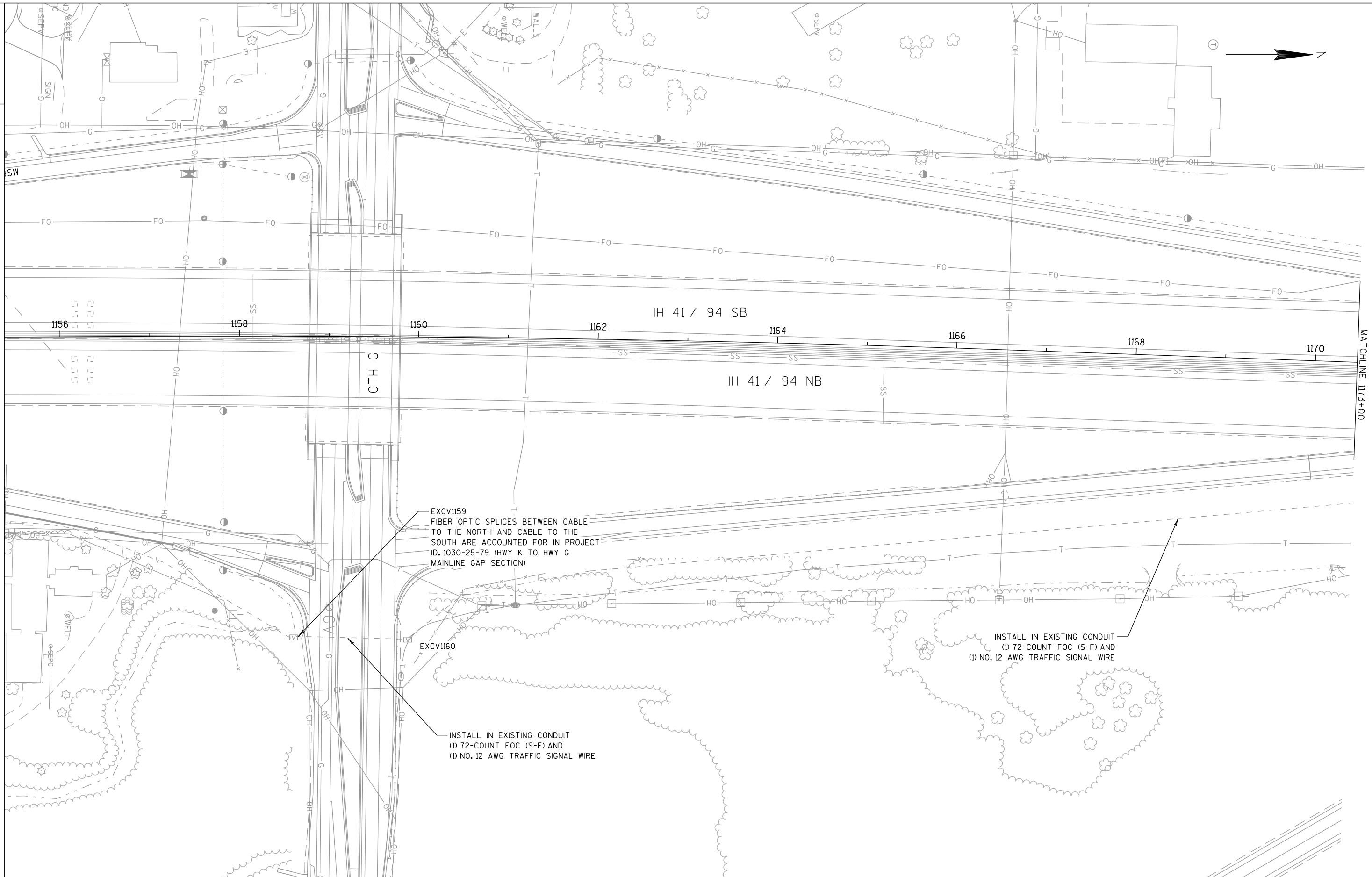
DMS CONTROLLER CABINET INSTALLATION

DMS-40-0038

ELECTRICAL SERVICE BREAKER DISCONNECT BOX WITH
(1) 50-AMP 240-VAC DOUBLE POLE BREAKER FOR DMS AND
(1) 50-AMP 240-VAC SINGLE POLE BREAKER FOR CONTROL CABINET



LOOKING NORTH (DMS-51-0023)



EXDP1176
(5) REFOCUS VEHICLE DETECTOR ASSEMBLIES
(REFOCUS MICROWAVE VEHICLE DETECTORS
AS NECESSARY FOR TRAFFIC CONTROL
MODIFICATIONS AND AS DIRECTED BY THE
ENGINEER. ENSURE THAT THE SITE IS
FUNCTIONING PROPERLY FOR FINAL TRAFFIC
CONDITIONS AT COMPLETION OF PROJECT.)

MATCHLINE 1173+00

1172

1174

IH 41 / 94 SB

1176

1178

1180

1182

MATCHLINE 1183+50

IH 41 / 94 NB

EXCV1172

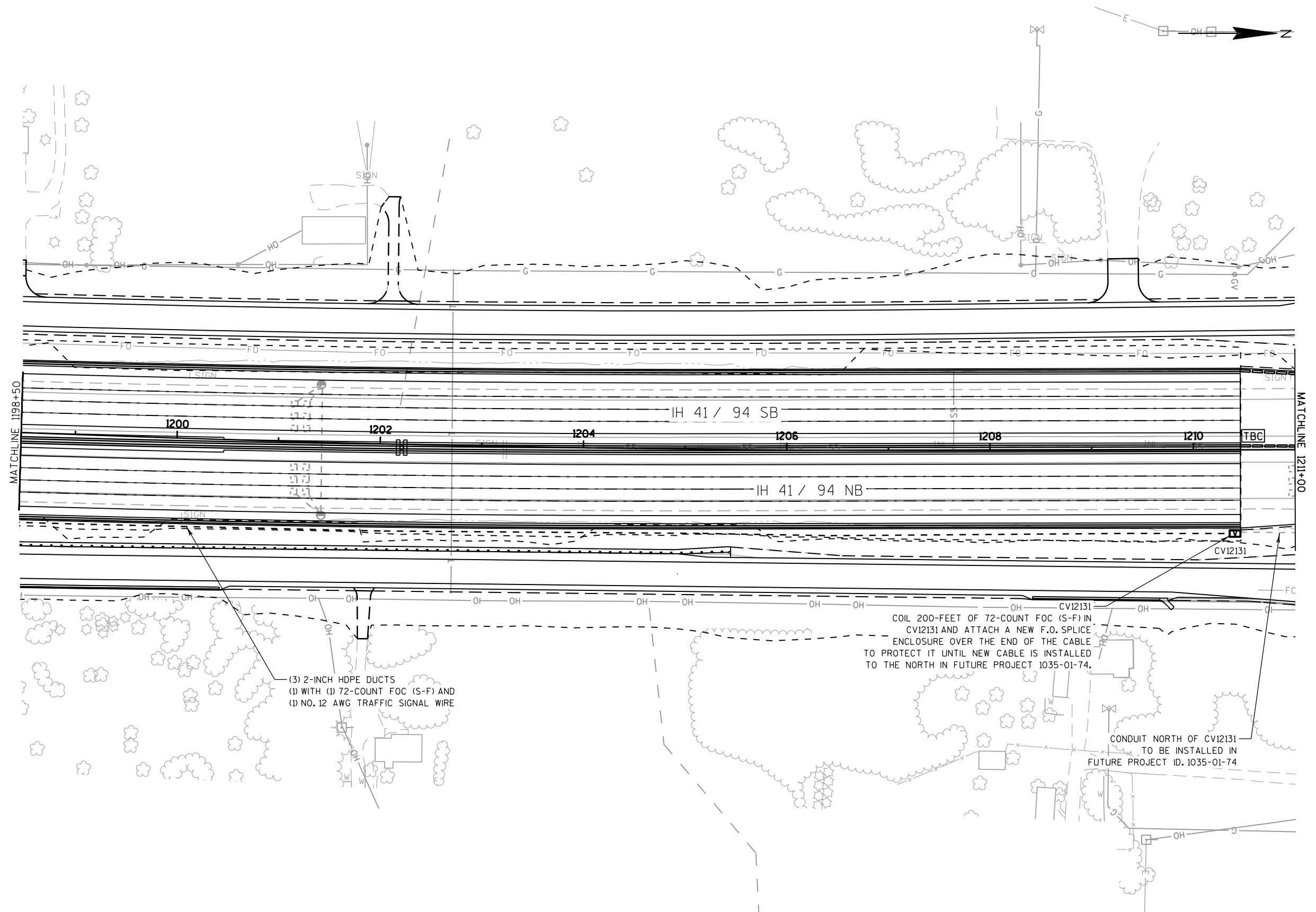
INSTALL IN EXISTING CONDUIT
(1) 72-COUNT FOC (S-F) AND
(1) NO. 12 AWG TRAFFIC SIGNAL WIRE

INSTALL IN EXISTING CONDUIT
(1) 72-COUNT FOC (S-F) AND
(1) NO. 12 AWG TRAFFIC SIGNAL WIRE

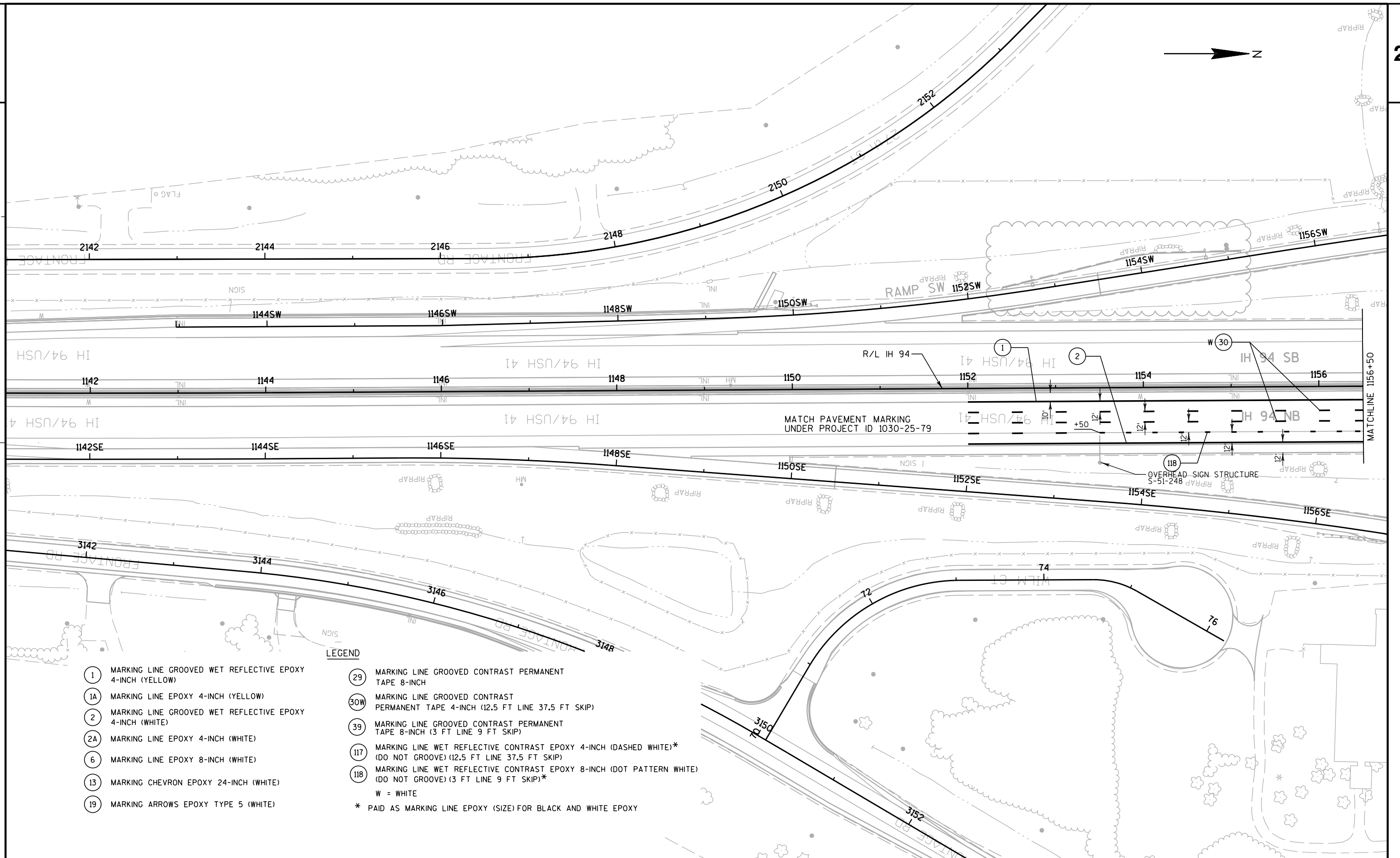
FIELD TILE

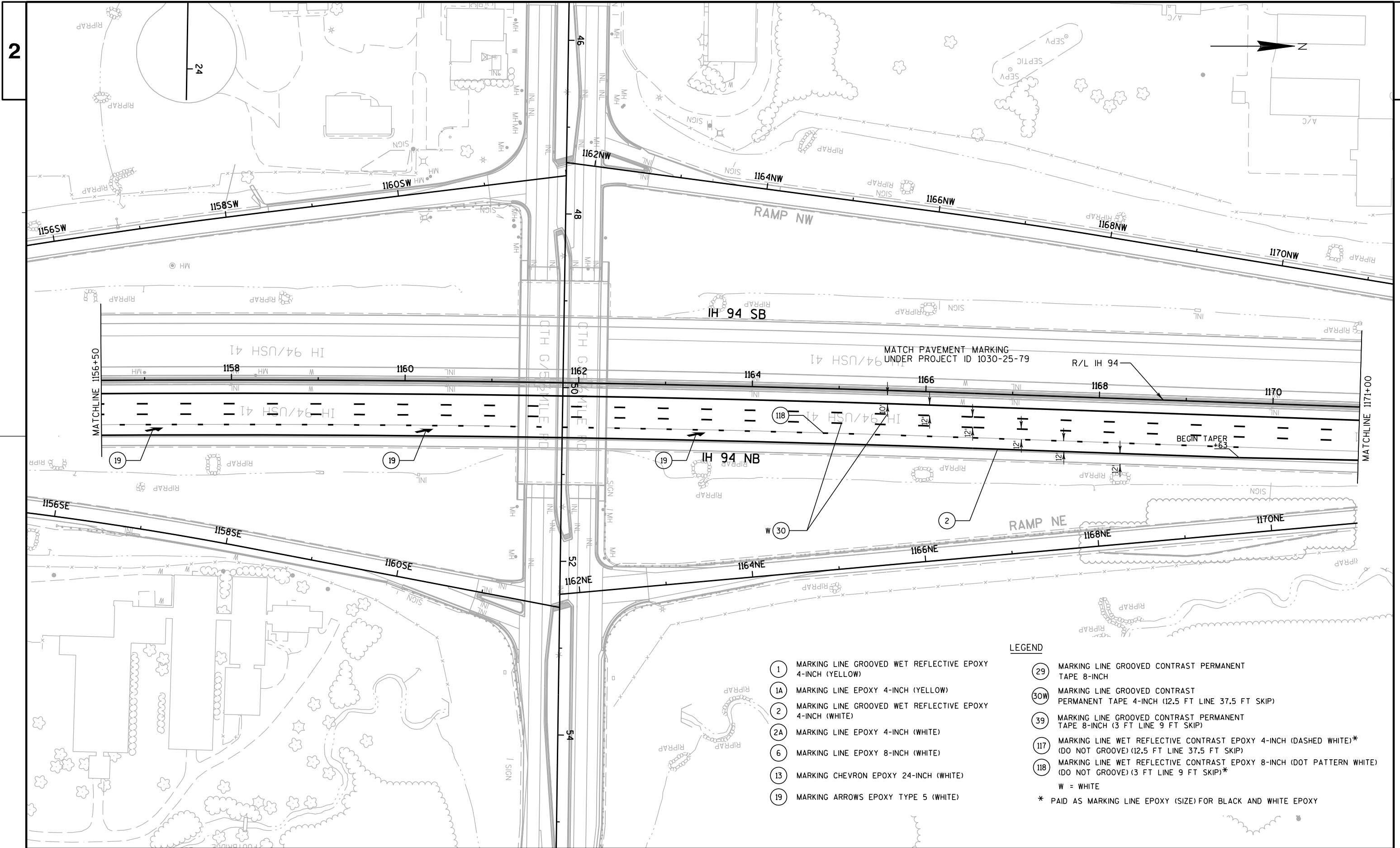
FIELD TILE





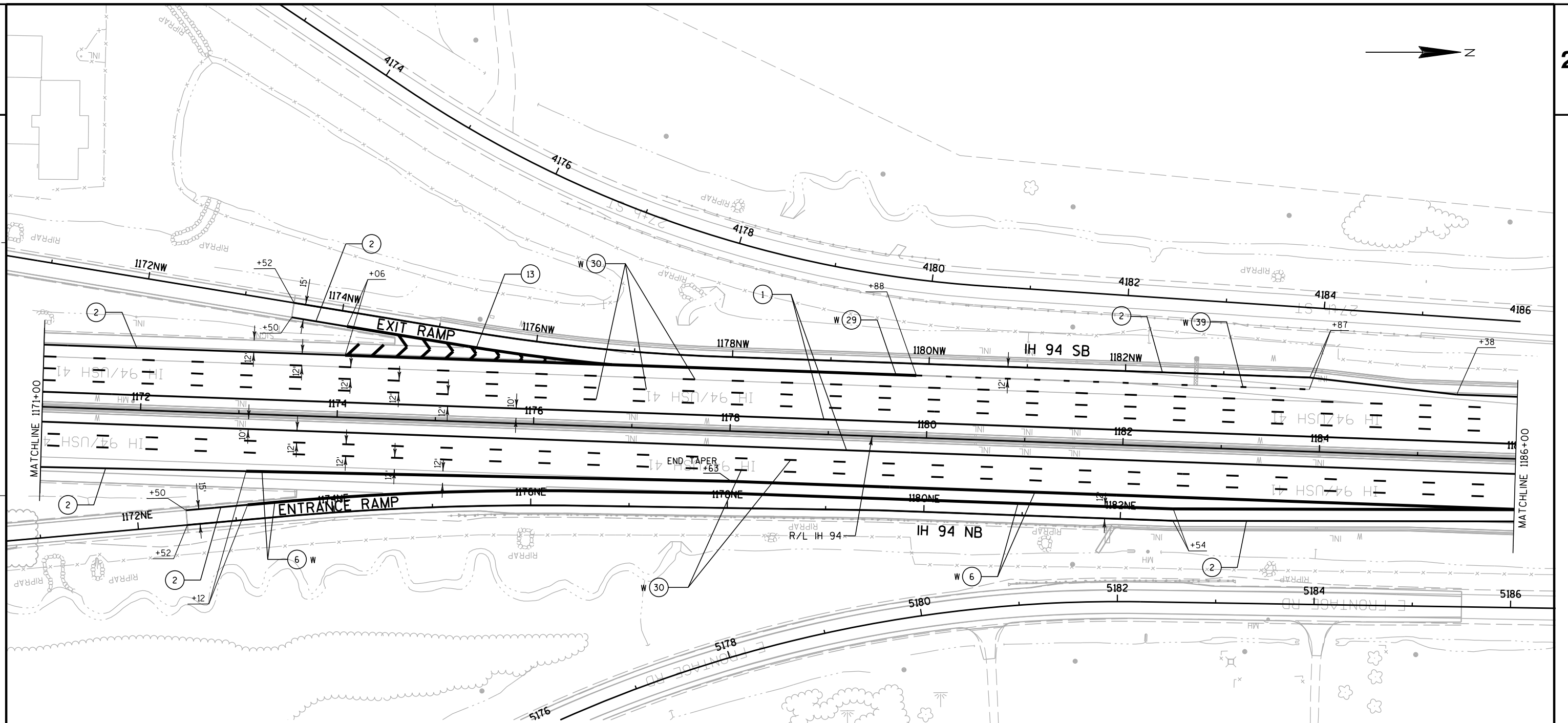






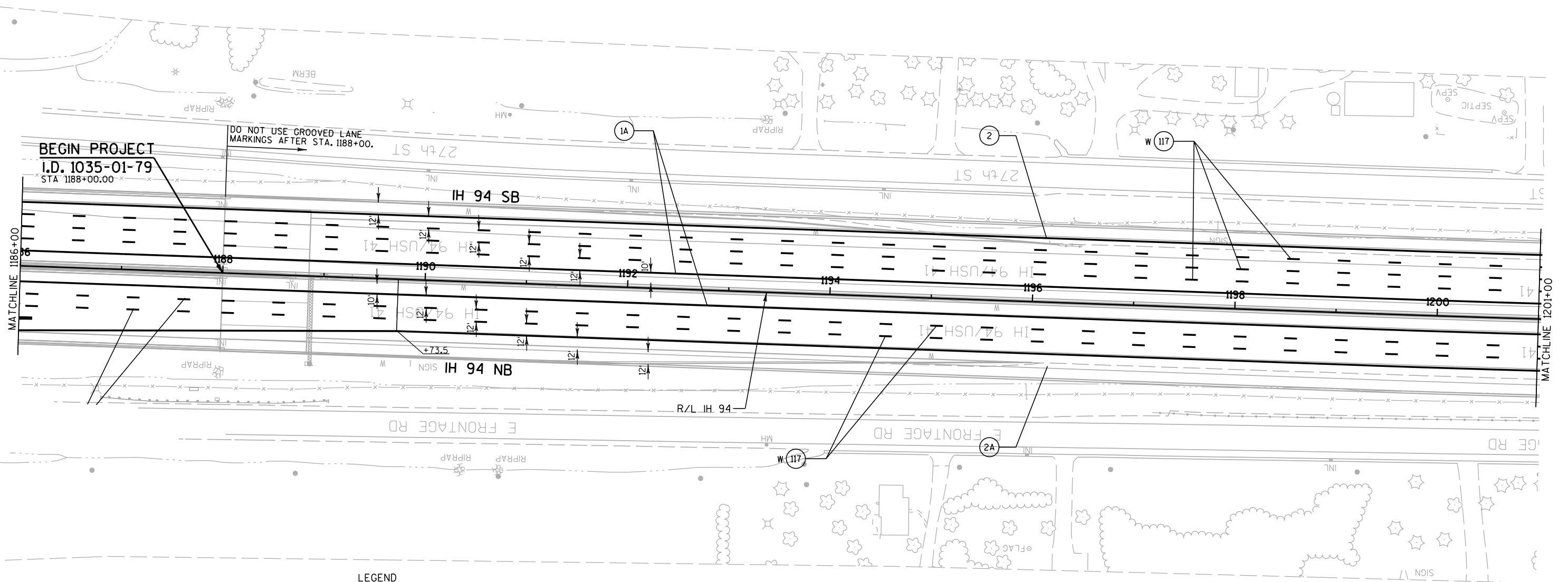
LEGEND

- | | | | |
|------|---|-------|---|
| (1) | MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (YELLOW) | (29) | MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH |
| (1A) | MARKING LINE EPOXY 4-INCH (YELLOW) | (30W) | MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (12.5 FT LINE 37.5 FT SKIP) |
| (2) | MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE) | (39) | MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (3 FT LINE 9 FT SKIP) |
| (2A) | MARKING LINE EPOXY 4-INCH (WHITE) | (117) | MARKING LINE WET REFLECTIVE CONTRAST EPOXY 4-INCH (DASHED WHITE)* (DO NOT GROOVE) (12.5 FT LINE 37.5 FT SKIP) |
| (6) | MARKING LINE EPOXY 8-INCH (WHITE) | (118) | MARKING LINE WET REFLECTIVE CONTRAST EPOXY 8-INCH (DOT PATTERN WHITE) (DO NOT GROOVE) (3 FT LINE 9 FT SKIP)* |
| (13) | MARKING CHEVRON EPOXY 24-INCH (WHITE) | | W = WHITE |
| (19) | MARKING ARROWS EPOXY TYPE 5 (WHITE) | | * PAID AS MARKING LINE EPOXY (SIZE) FOR BLACK AND WHITE EPOXY |



LEGEND

- | | |
|---|---|
| ① MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (YELLOW) | ②⑨ MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH |
| ①A MARKING LINE EPOXY 4-INCH (YELLOW) | ③0W MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (12.5 FT LINE 37.5 FT SKIP) |
| ② MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE) | ③⑨ MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (3 FT LINE 9 FT SKIP) |
| ②A MARKING LINE EPOXY 4-INCH (WHITE) | ①①⑦ MARKING LINE WET REFLECTIVE CONTRAST EPOXY 4-INCH (DASHED WHITE)* (DO NOT GROOVE) (12.5 FT LINE 37.5 FT SKIP) |
| ⑥ MARKING LINE EPOXY 8-INCH (WHITE) | ①①⑧ MARKING LINE WET REFLECTIVE CONTRAST EPOXY 8-INCH (DOT PATTERN WHITE) (DO NOT GROOVE) (3 FT LINE 9 FT SKIP)* |
| ⑬ MARKING CHEVRON EPOXY 24-INCH (WHITE) | W = WHITE |
| ⑰ MARKING ARROWS EPOXY TYPE 5 (WHITE) | * PAID AS MARKING LINE EPOXY (SIZE) FOR BLACK AND WHITE EPOXY |



LEGEND

- | | |
|---|---|
| ① MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (YELLOW) | ②⑨ MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH |
| ①A MARKING LINE EPOXY 4-INCH (YELLOW) | ③0W MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (12.5 FT LINE 37.5 FT SKIP) |
| ② MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE) | ③⑨ MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (3 FT LINE 9 FT SKIP) |
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| ⑬ MARKING CHEVRON EPOXY 24-INCH (WHITE) | W = WHITE |
| ⑰ MARKING ARROWS EPOXY TYPE 5 (WHITE) | * PAID AS MARKING LINE EPOXY (SIZE) FOR BLACK AND WHITE EPOXY |

PROJECT NO:1035-01-79

HWY: IH 94

COUNTY: RACINE

PAVEMENT MARKING- IH 94

SHEET

PRE_83

E

FILE NAME : Z:\Racine\CADDs\20\20M\CDS\024503_pm.dgn

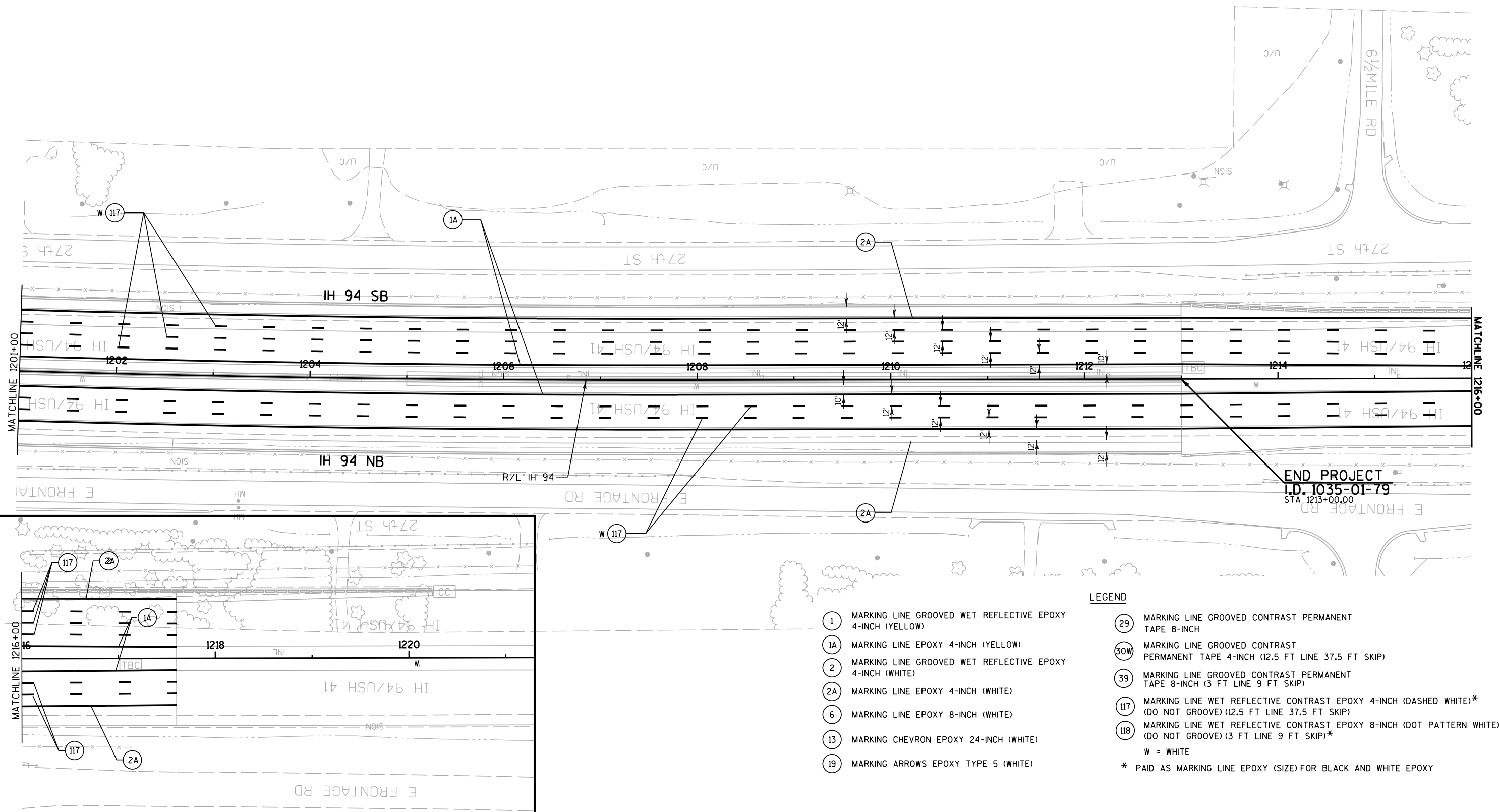
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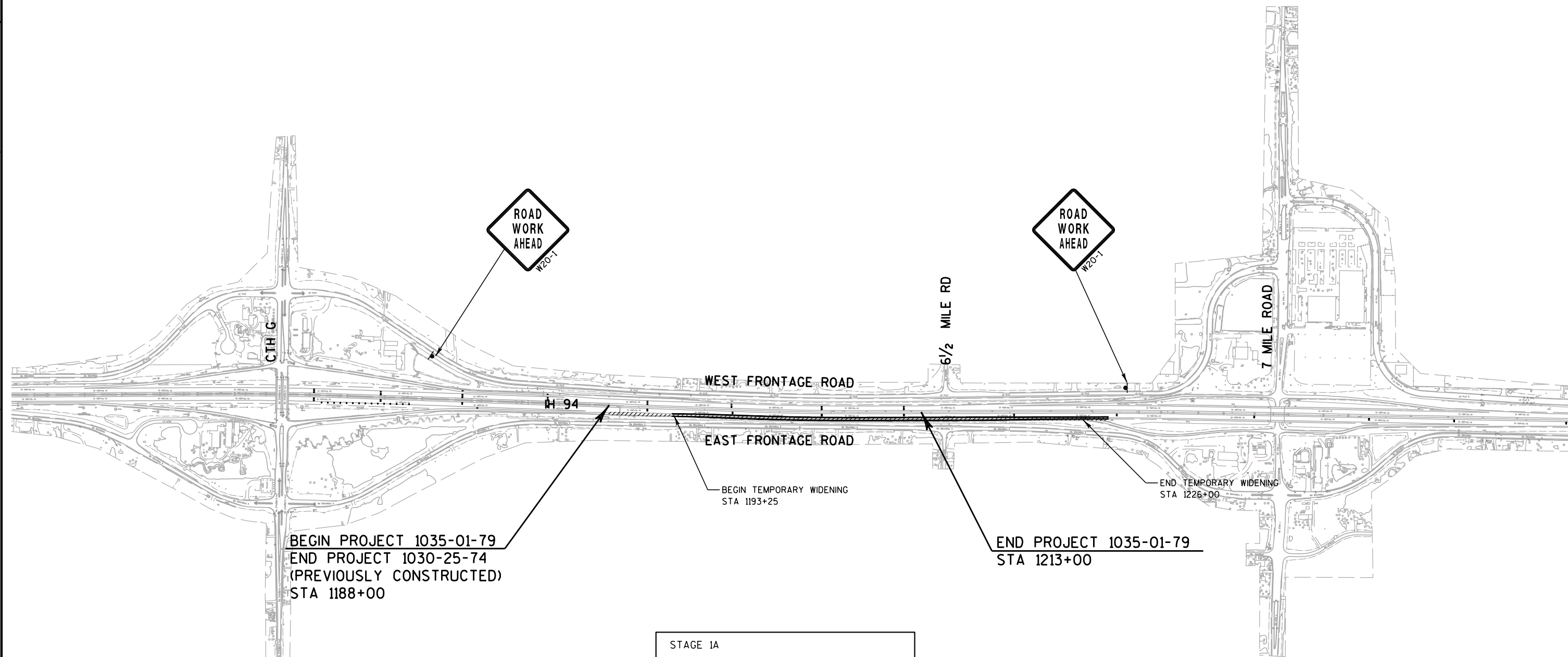
PLOT BY : heather.stabo

PLOT NAME :

PLOT SCALE : 1:100

WISDOT/CADDs SHEET 42



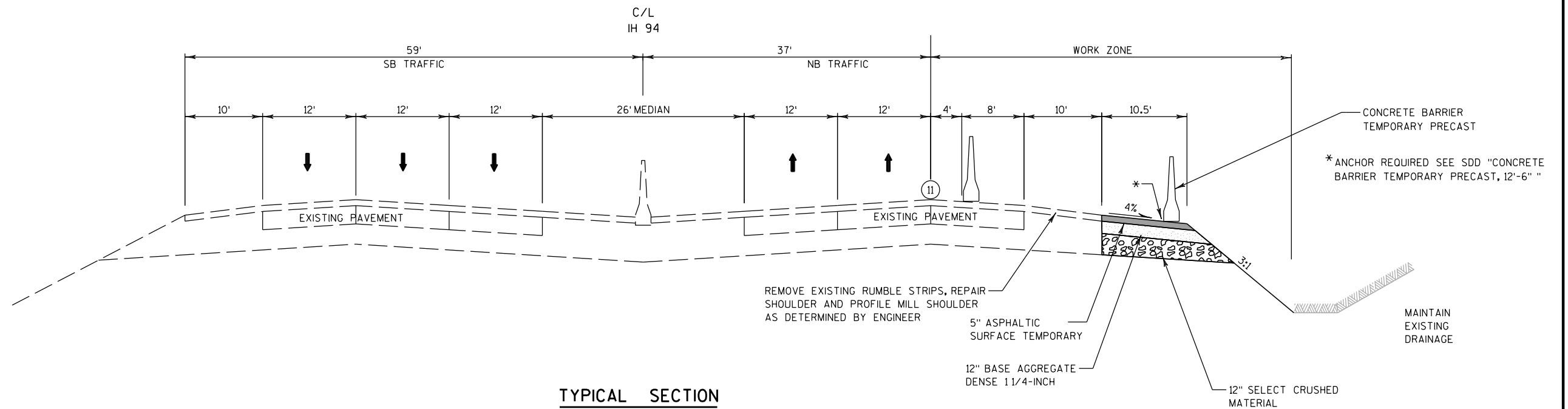
**STAGE 1A****CONSTRUCTION**

- TEMPORARY WIDENING ALONG IH 94 NORTHBOUND FROM STA 1193+25 TO STA 1226+00
- REMOVING EXISTING RUMBLE STRIPS AND REPAIR OUTSIDE SHOULDER ALONG IH 94 NORTHBOUND

TRAFFIC

- IH 94 REMAINS OPEN (NORTHBOUND RESTRICTED TO TWO INSIDE LANES; SOUTHBOUND THREE LANES)
- FRONTAGE ROADS REMAIN OPEN
- NORTHBOUND EXIT TO 7-MILE ROAD CLOSED

 WORK ZONE



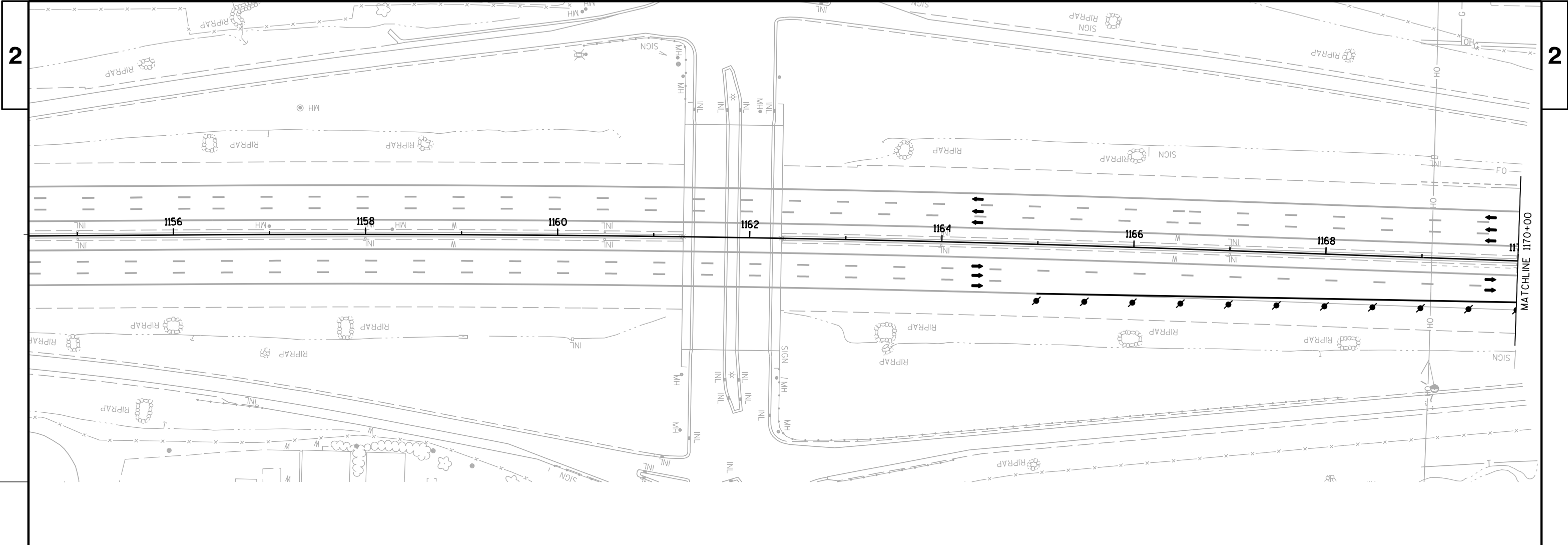
TYPICAL SECTION
STAGE 1A

IH 94

STA 1193+25 TO STA 1226+00

LEGEND

- (10) PAVEMENT MARKING PAINT 4-INCH (YELLOW)
- (11) PAVEMENT MARKING PAINT 4-INCH (WHITE)
- (13) PAVEMENT MARKING PAINT, LANE LINE
- (GS) GLARE SCREEN TEMPORARY



GENERAL NOTES FOR TRAFFIC CONTROL (APPLICABLE TO ALL STAGES)

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

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM TRAVEL LANE AND OFF OF SHOULDER WHEN WORK IS NOT IN PROGRESS.

DURING HOURS OF DARKNESS, TYPE "C" (STEADY BURN) LIGHTS SHALL BE PROVIDED ON ALL CHANNELIZING DEVICES IN TAPERS. BARRICADES SHIELDING AN ISOLATED HAZARD, SHALL BE EQUIPPED WITH TYPE "A" (LOW-INTENSITY FLASHING LIGHTS).

WHEN A 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 DIRECTED BY THE ENGINEER.

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

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

IF LANE CLOSURE IS MORE THAN 1 MILE, PLACE A TYPE III BARRICADE APPROXIMATELY EVERY 1000' ACROSS THE CLOSED LANE TO HELP ENFORCE THE DRUM LINE.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROWBOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROWBOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500' IN FRONT OF DRUMS.

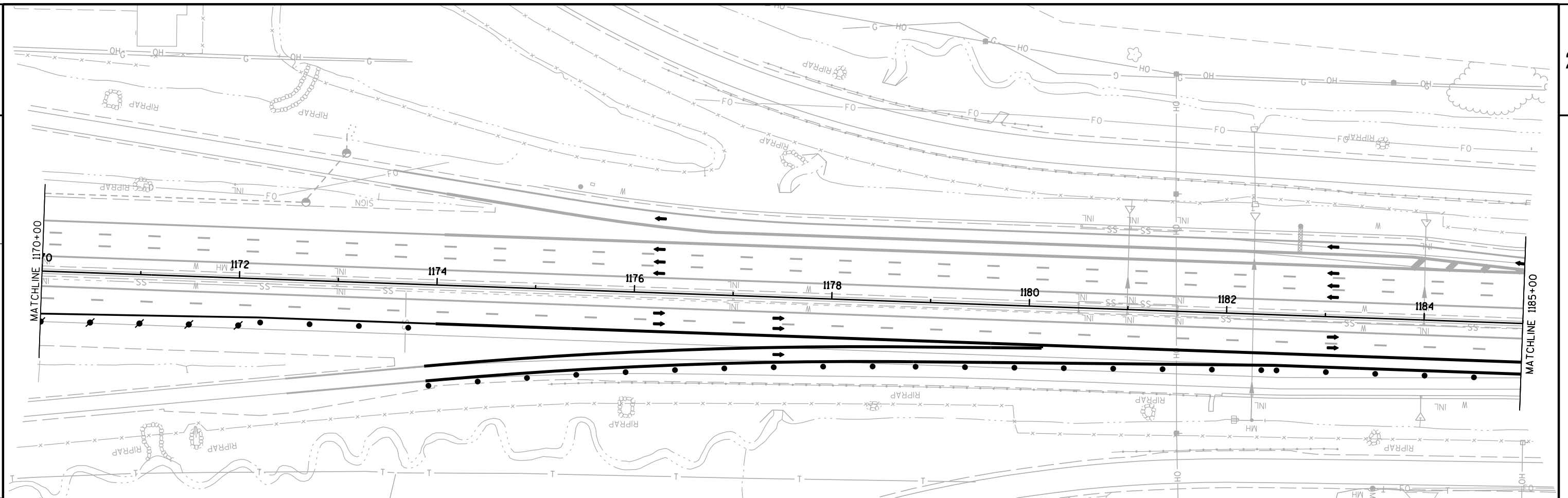
ALL SIGNS, TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE COVERED OR REMOVED AS NEEDED AND/OR DIRECTED BY THE ENGINEER.

PAVEMENT MARKING LEGEND

- 2 PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- 3 PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
- 4 PAVEMENT MARKING EPOXY 8-INCH (DASHED WHITE) (3 FT LINE 9 FT SKIP)
- 5 PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- 6 PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE)
- 10 PAVEMENT MARKING PAINT 4-INCH (YELLOW)
- 11 PAVEMENT MARKING PAINT 4-INCH (WHITE)
- 13 PAVEMENT MARKING PAINT 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
- 14 PAVEMENT MARKING PAINT 8-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)
- 23 WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (WHITE)
- 24 WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (YELLOW)

LEGEND

- | | | | |
|-----|--|------|--|
| ● | TRAFFIC CONTROL DRUM | ▬▬▬▬ | CONCRETE BARRIER TEMPORARY PRECAST |
| ● | TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT | ▨ | WORK AREA |
| ⚡ | FLASHING ARROW BOARD | ◀ | TEMPORARY RAISED PAVEMENT MARKER 25' SPACING (ONE WAY REFLECTOR) |
| ♣ | POST MOUNTED SIGN | ↑ | TYPE III BARRICADE WITH ATTACHED SIGN |
| ⌄ | SIGN ON TEMPORARY SUPPORT | — | REMOVE PAVEMENT MARKING |
| ○ | FLEXIBLE/TUBULAR MARKER POST & BASE | CC | CRASH CUSHION TEMPORARY |
| ➔ | DIRECTION OF TRAFFIC | ◯ | FIXED MESSAGE SIGN NUMBER |
| TBC | TEMPORARY THREE BEAM CONNECTION | | |

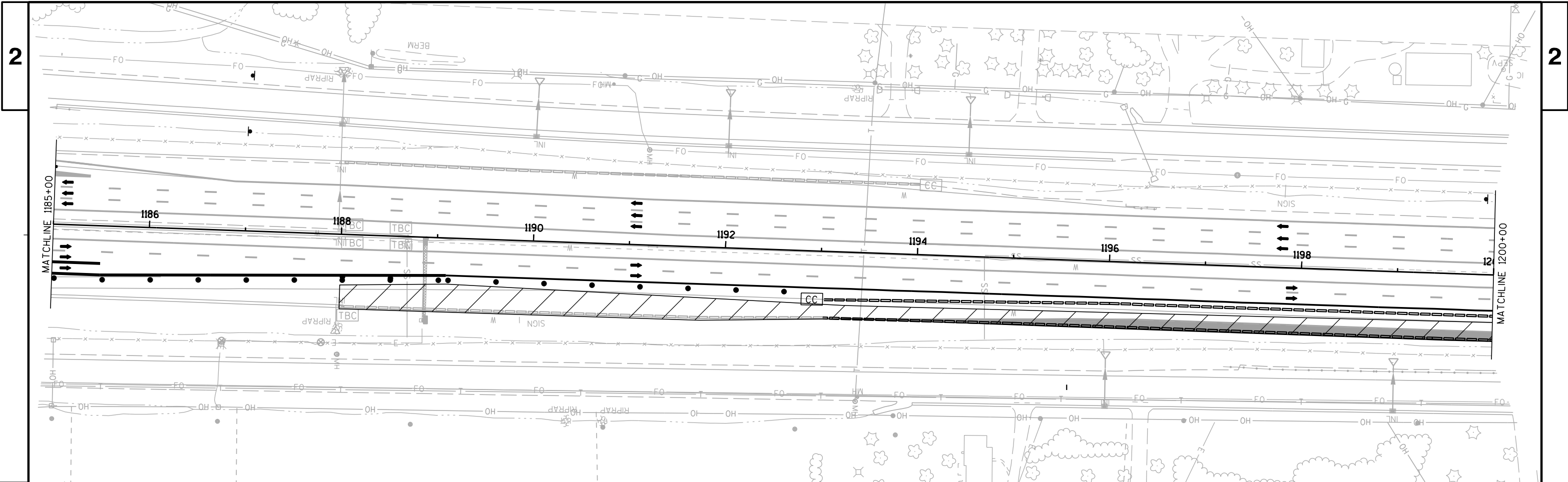


PAVEMENT MARKING LEGEND

- ② PAVEMENT MARKING EPOXY 4-INCH (WHITE)
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LEGEND

- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH
TYPE C STEADY BURN LIGHT
- ⚡ FLASHING ARROW BOARD
- ⚡ POST MOUNTED SIGN
- ⚡ SIGN ON TEMPORARY SUPPORT
- ⊙ FLEXIBLE/TUBULAR MARKER POST & BASE
- ➡ DIRECTION OF TRAFFIC
- TBC TEMPORARY THRIE BEAM CONNECTION
- CONCRETE BARRIER TEMPORARY PRECAST
- ▨ WORK AREA
- ▲ TEMPORARY RAISED PAVEMENT MARKER
25' SPACING (ONE WAY REFLECTOR)
- ⚡ TYPE III BARRICADE WITH ATTACHED SIGN
- REMOVE PAVEMENT MARKING
- CC CRASH CUSHION TEMPORARY
- ⊖ FIXED MESSAGE SIGN NUMBER



GENERAL NOTES FOR TRAFFIC CONTROL (APPLICABLE TO ALL STAGES)

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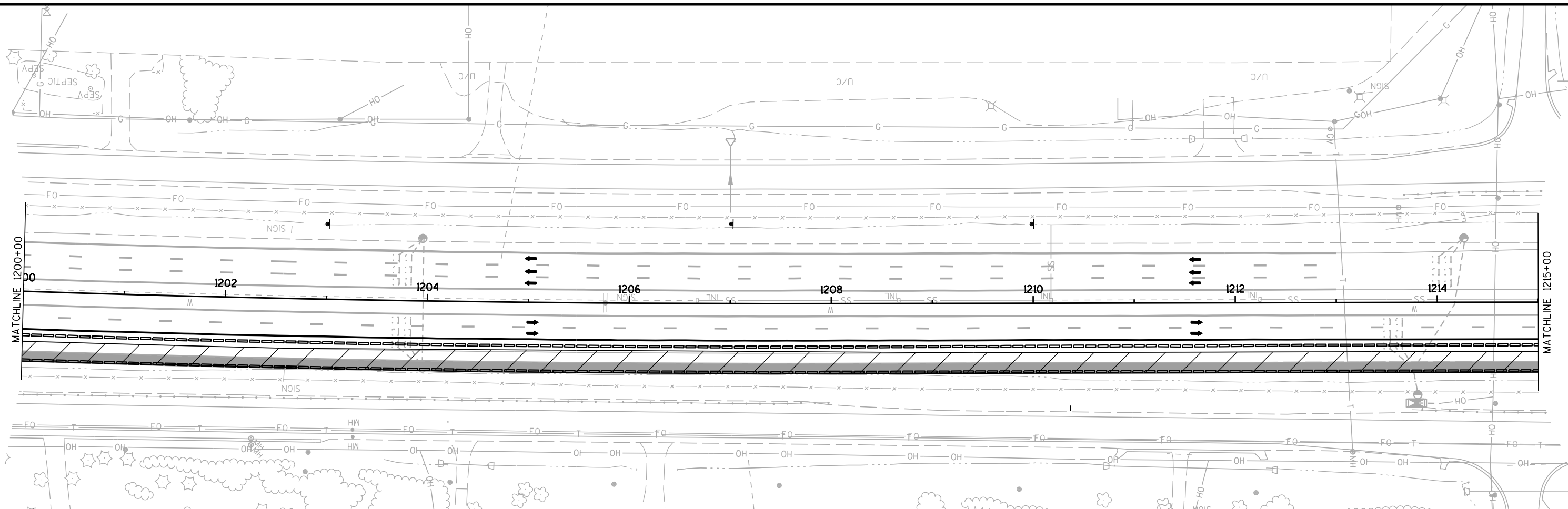
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LEGEND

- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- ⚡ FLASHING ARROW BOARD
- ⚓ POST MOUNTED SIGN
- ⚓ SIGN ON TEMPORARY SUPPORT
- ⊙ FLEXIBLE/TUBULAR MARKER POST & BASE
- ➡ DIRECTION OF TRAFFIC
- TBC TEMPORARY THREE BEAM CONNECTION
- ▬ CONCRETE BARRIER TEMPORARY PRECAST
- ▨ WORK AREA
- ◀ TEMPORARY RAISED PAVEMENT MARKER 25' SPACING (ONE WAY REFLECTOR)
- ↑ TYPE III BARRICADE WITH ATTACHED SIGN
- REMOVE PAVEMENT MARKING
- CC CRASH CUSHION TEMPORARY
- ◯ FIXED MESSAGE SIGN NUMBER

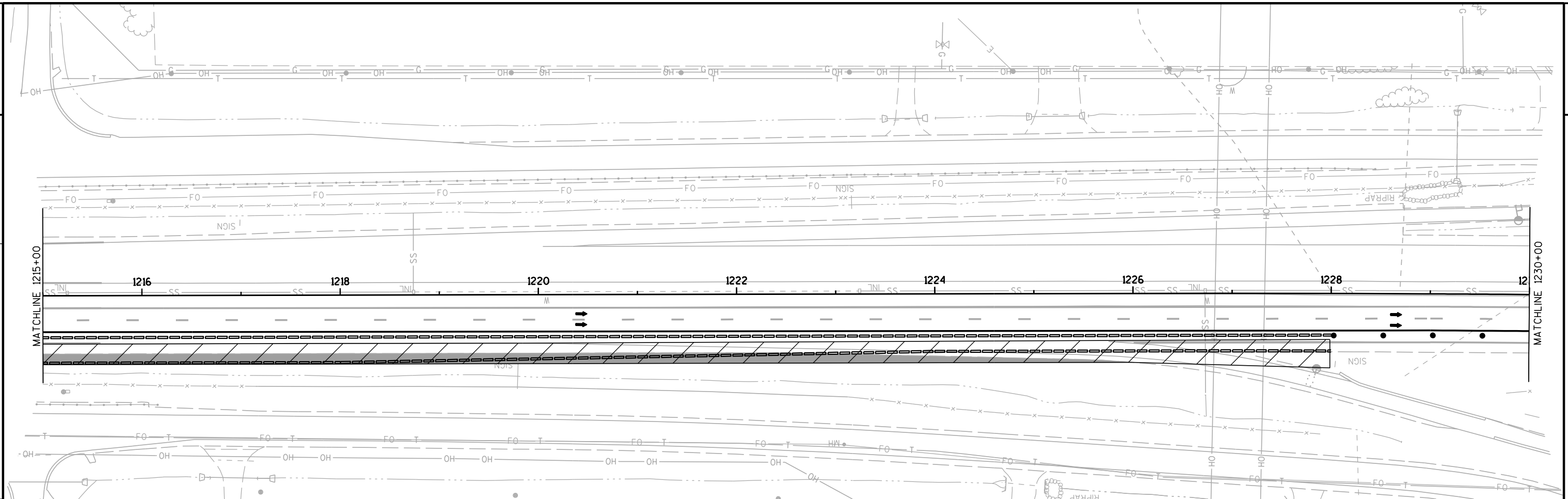


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LEGEND

- | | | | |
|-----|---|----|---|
| ● | TRAFFIC CONTROL DRUM | ▨ | CONCRETE BARRIER TEMPORARY PRECAST |
| ● | TRAFFIC CONTROL DRUM WITH
TYPE C STEADY BURN LIGHT | ▨ | WORK AREA |
| ⚡ | FLASHING ARROW BOARD | ◀ | TEMPORARY RAISED PAVEMENT MARKER
25' SPACING (ONE WAY REFLECTOR) |
| ♣ | POST MOUNTED SIGN | ↑ | TYPE III BARRICADE WITH ATTACHED SIGN |
| ⌢ | SIGN ON TEMPORARY SUPPORT | — | REMOVE PAVEMENT MARKING |
| ⊙ | FLEXIBLE/TUBULAR MARKER POST & BASE | CC | CRASH CUSHION TEMPORARY |
| ➡ | DIRECTION OF TRAFFIC | ◯ | FIXED MESSAGE SIGN NUMBER |
| TBC | TEMPORARY THREE BEAM CONNECTION | | |

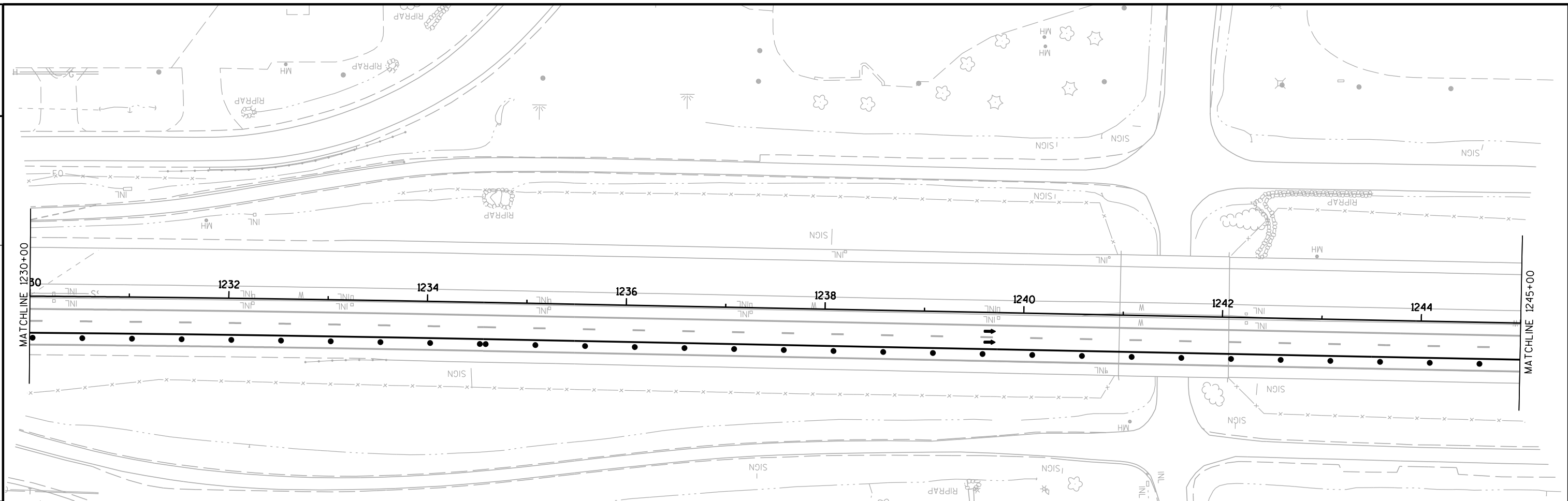


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LEGEND

- | | | | |
|-----|---|-------|---|
| ● | TRAFFIC CONTROL DRUM | ===== | CONCRETE BARRIER TEMPORARY PRECAST |
| ● | TRAFFIC CONTROL DRUM WITH
TYPE C STEADY BURN LIGHT | ▨ | WORK AREA |
| ⚡ | FLASHING ARROW BOARD | ◀ | TEMPORARY RAISED PAVEMENT MARKER
25' SPACING (ONE WAY REFLECTOR) |
| ♣ | POST MOUNTED SIGN | ↑ | TYPE III BARRICADE WITH ATTACHED SIGN |
| ⌄ | SIGN ON TEMPORARY SUPPORT | — | REMOVE PAVEMENT MARKING |
| ⊙ | FLEXIBLE/TUBULAR MARKER POST & BASE | CC | CRASH CUSHION TEMPORARY |
| ➡ | DIRECTION OF TRAFFIC | ○ | FIXED MESSAGE SIGN NUMBER |
| TBC | TEMPORARY THRIE BEAM CONNECTION | | |

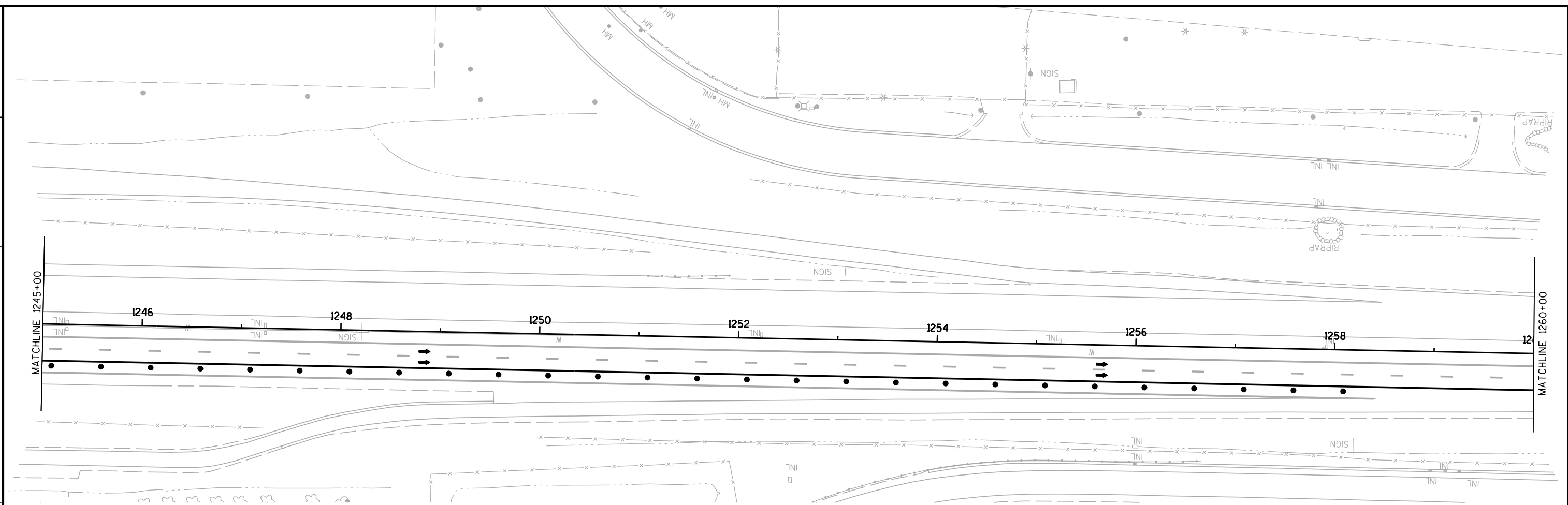


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LEGEND

- | | | | |
|-----|---|-------|---|
| ● | TRAFFIC CONTROL DRUM | ===== | CONCRETE BARRIER TEMPORARY PRECAST |
| ⦿ | TRAFFIC CONTROL DRUM WITH
TYPE C STEADY BURN LIGHT | ▨ | WORK AREA |
| ⚡ | FLASHING ARROW BOARD | ◀ | TEMPORARY RAISED PAVEMENT MARKER
25' SPACING (ONE WAY REFLECTOR) |
| ⚓ | POST MOUNTED SIGN | ↑ | TYPE III BARRICADE WITH ATTACHED SIGN |
| ⚓ | SIGN ON TEMPORARY SUPPORT | — | REMOVE PAVEMENT MARKING |
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| ➔ | DIRECTION OF TRAFFIC | ○ | FIXED MESSAGE SIGN NUMBER |
| TBC | TEMPORARY THREE BEAM CONNECTION | | |

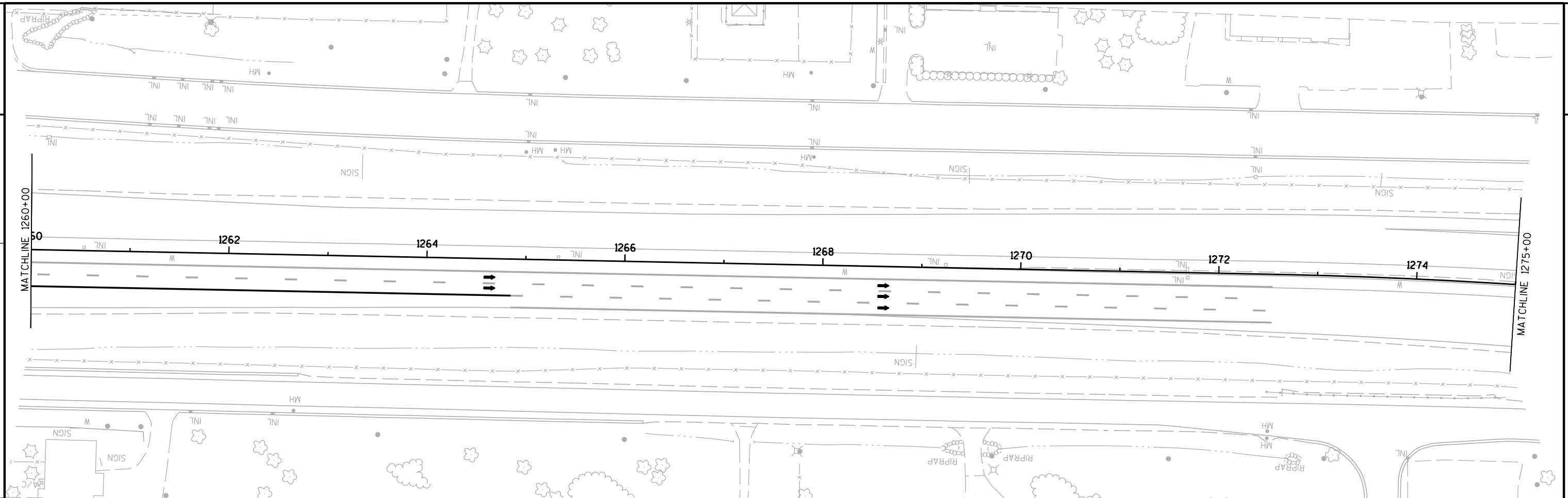


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LEGEND

- | | | | |
|-----|---|------|---|
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| ⦿ | TRAFFIC CONTROL DRUM WITH
TYPE C STEADY BURN LIGHT | ▨ | WORK AREA |
| ⚡ | FLASHING ARROW BOARD | ◀ | TEMPORARY RAISED PAVEMENT MARKER
25' SPACING (ONE WAY REFLECTOR) |
| ⚓ | POST MOUNTED SIGN | ↑ | TYPE III BARRICADE WITH ATTACHED SIGN |
| ⚓ | SIGN ON TEMPORARY SUPPORT | — | REMOVE PAVEMENT MARKING |
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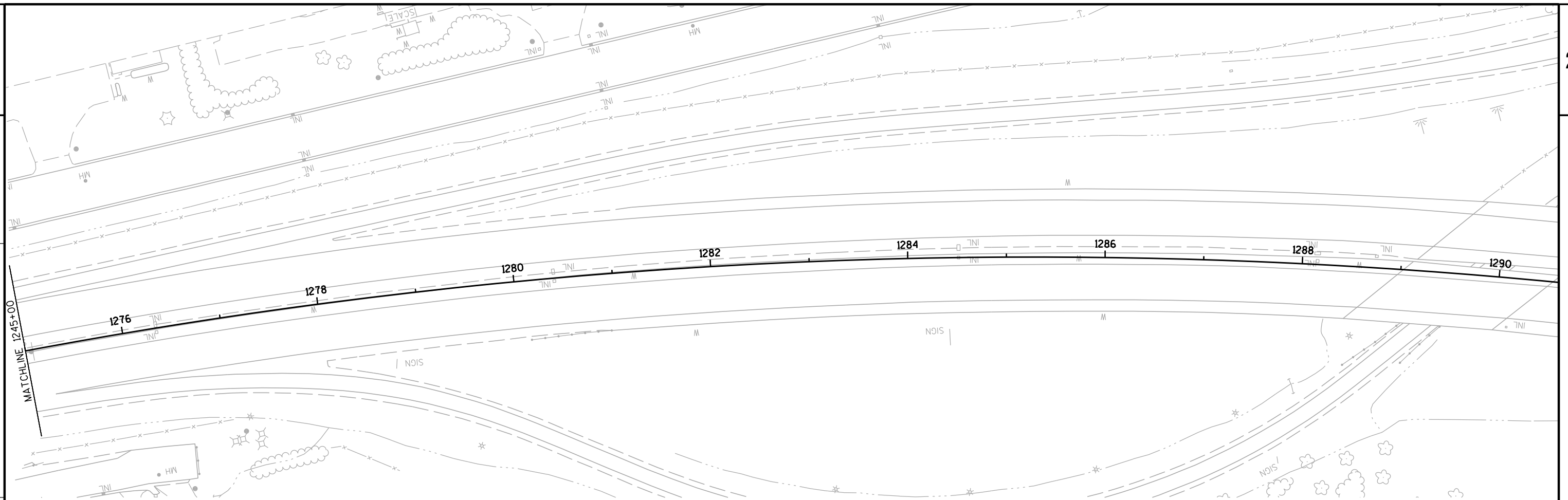


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LEGEND

- | | | | |
|-----|---|------|---|
| ● | TRAFFIC CONTROL DRUM | ▬▬▬▬ | CONCRETE BARRIER TEMPORARY PRECAST |
| ● | TRAFFIC CONTROL DRUM WITH
TYPE C STEADY BURN LIGHT | ▨ | WORK AREA |
| ⚡ | FLASHING ARROW BOARD | ◀ | TEMPORARY RAISED PAVEMENT MARKER
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| ♣ | POST MOUNTED SIGN | ↑ | TYPE III BARRICADE WITH ATTACHED SIGN |
| ⌄ | SIGN ON TEMPORARY SUPPORT | — | REMOVE PAVEMENT MARKING |
| ○ | FLEXIBLE/TUBULAR MARKER POST & BASE | CC | CRASH CUSHION TEMPORARY |
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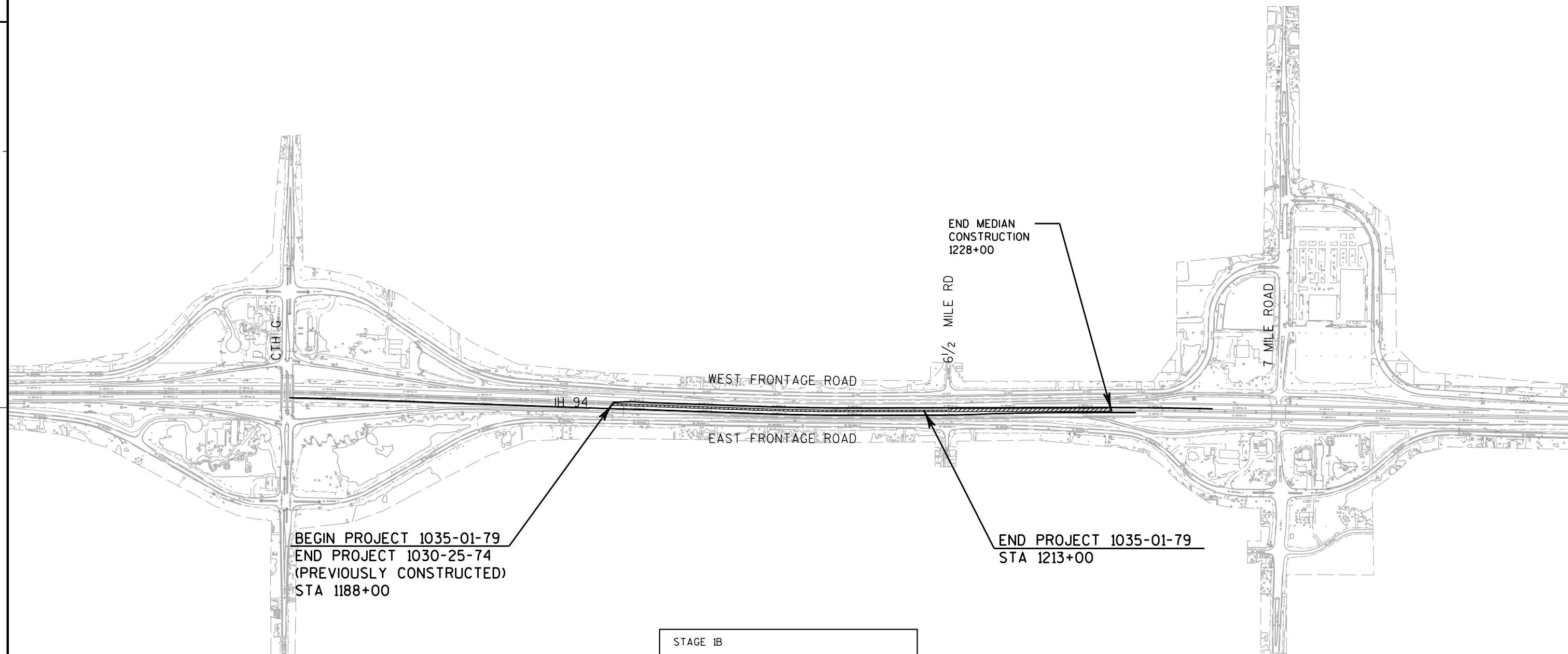


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- ⑭ PAVEMENT MARKING PAINT 8-INCH (DOT PATTERN WHITE)
(3 FT LINE 9 FT SKIP)
- ②③ WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (WHITE)
- ②④ WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (YELLOW)

LEGEND

- | | | | |
|-----|---|-------|---|
| ● | TRAFFIC CONTROL DRUM | ===== | CONCRETE BARRIER TEMPORARY PRECAST |
| ● | TRAFFIC CONTROL DRUM WITH
TYPE C STEADY BURN LIGHT | ▨ | WORK AREA |
| ⚡ | FLASHING ARROW BOARD | ◀ | TEMPORARY RAISED PAVEMENT MARKER
25' SPACING (ONE WAY REFLECTOR) |
| ♣ | POST MOUNTED SIGN | ↑ | TYPE III BARRICADE WITH ATTACHED SIGN |
| ⌄ | SIGN ON TEMPORARY SUPPORT | — | REMOVE PAVEMENT MARKING |
| ⊙ | FLEXIBLE/TUBULAR MARKER POST & BASE | CC | CRASH CUSHION TEMPORARY |
| ➔ | DIRECTION OF TRAFFIC | ○ | FIXED MESSAGE SIGN NUMBER |
| TBC | TEMPORARY THREE BEAM CONNECTION | | |



BEGIN PROJECT 1035-01-79
END PROJECT 1030-25-74
(PREVIOUSLY CONSTRUCTED)
STA 1188+00

END PROJECT 1035-01-79
STA 1213+00

END MEDIAN
CONSTRUCTION
1228+00

STAGE 1B

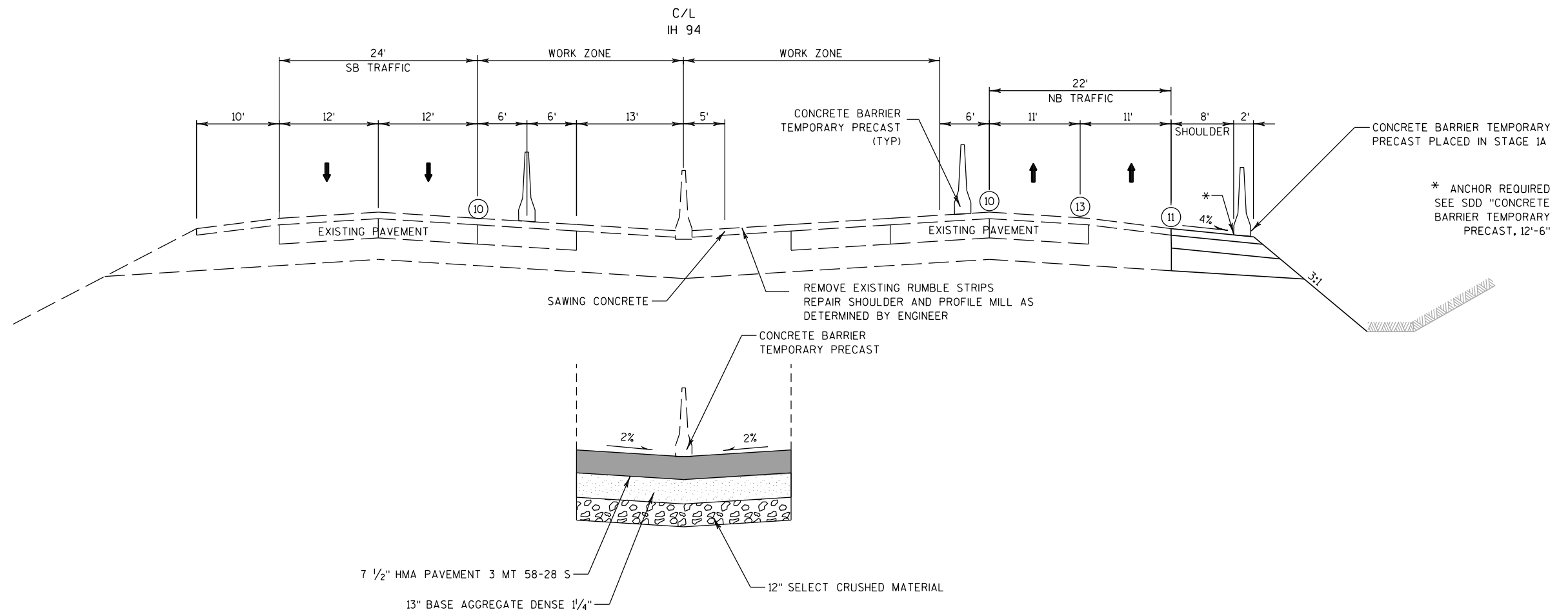
CONSTRUCTION

- REMOVE EXISTING RUMBLE STRIPS AND REPAIR MEDIAN SHOULDER ALONG IH 94 NORTHBOUND
- PREP FOR STAGE 2 CROSSOVER
- REMOVE S-51-204 (STA. 1205+75)
- REMOVE S-51-401 (STA. 1188+88)

TRAFFIC

- IH 94 REMAINS OPEN
(NORTHBOUND TRAFFIC TWO LANES - ON OUTSIDE LANE AND TEMPORARY WIDENING; SOUTHBOUND TRAFFIC TWO LANES)
- FRONTAGE ROADS REMAIN OPEN
- NORTHBOUND EXIT TO 7-MILE ROAD CLOSED

 WORK ZONE



STA 1217+60 TO STA 1228+00

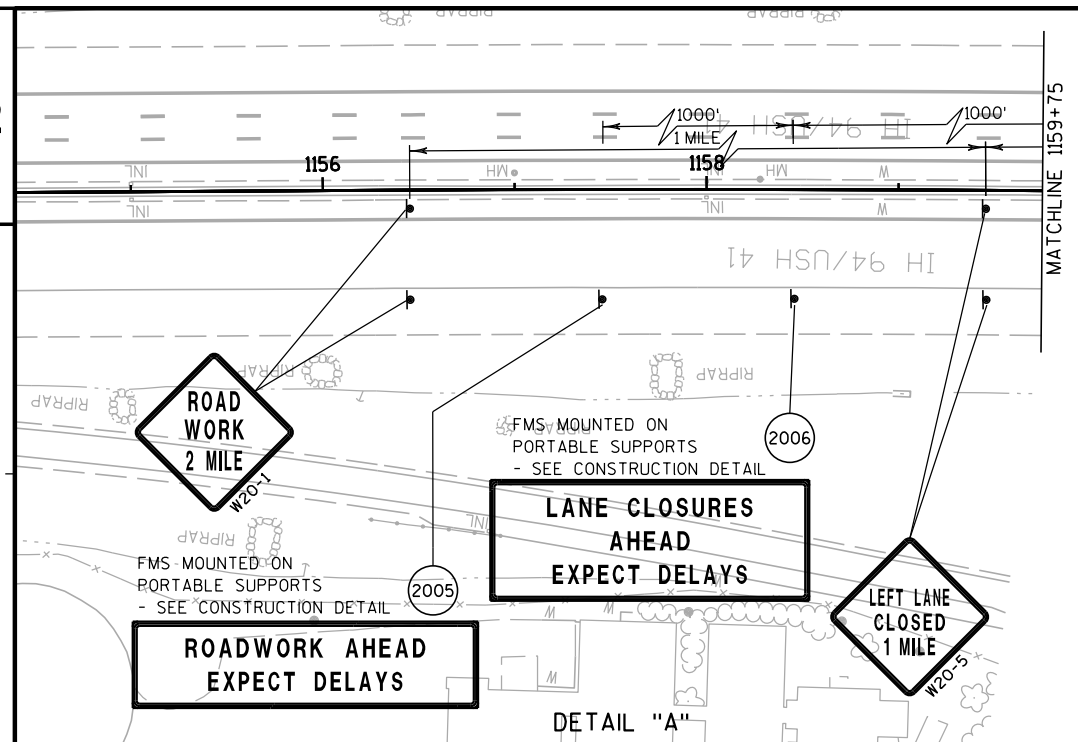
**TYPICAL SECTION
STAGE 1B**

IH 94

STA 1188+00 TO STA 1228+00

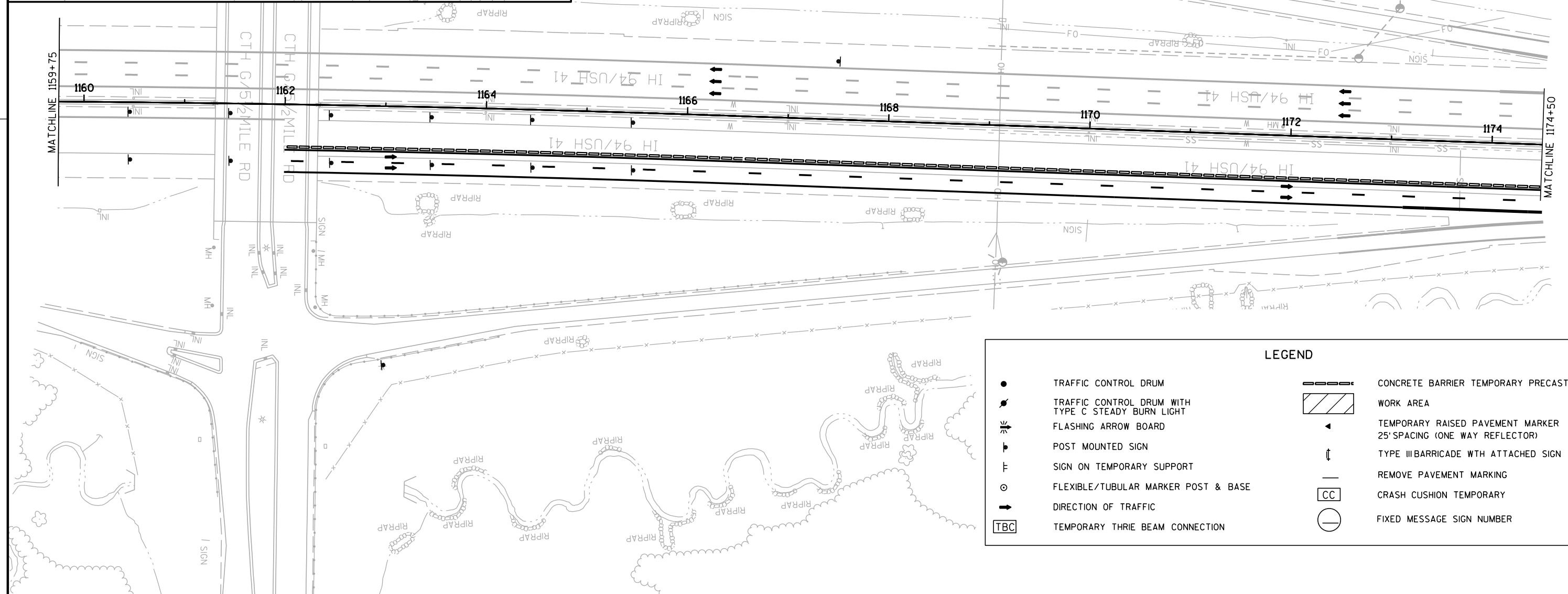
LEGEND

- (10) PAVEMENT MARKING PAINT 4-INCH (YELLOW)
- (11) PAVEMENT MARKING PAINT 4-INCH (WHITE)
- (13) PAVEMENT MARKING PAINT, LANE LINE
- (GS) GLARE SCREEN TEMPORARY



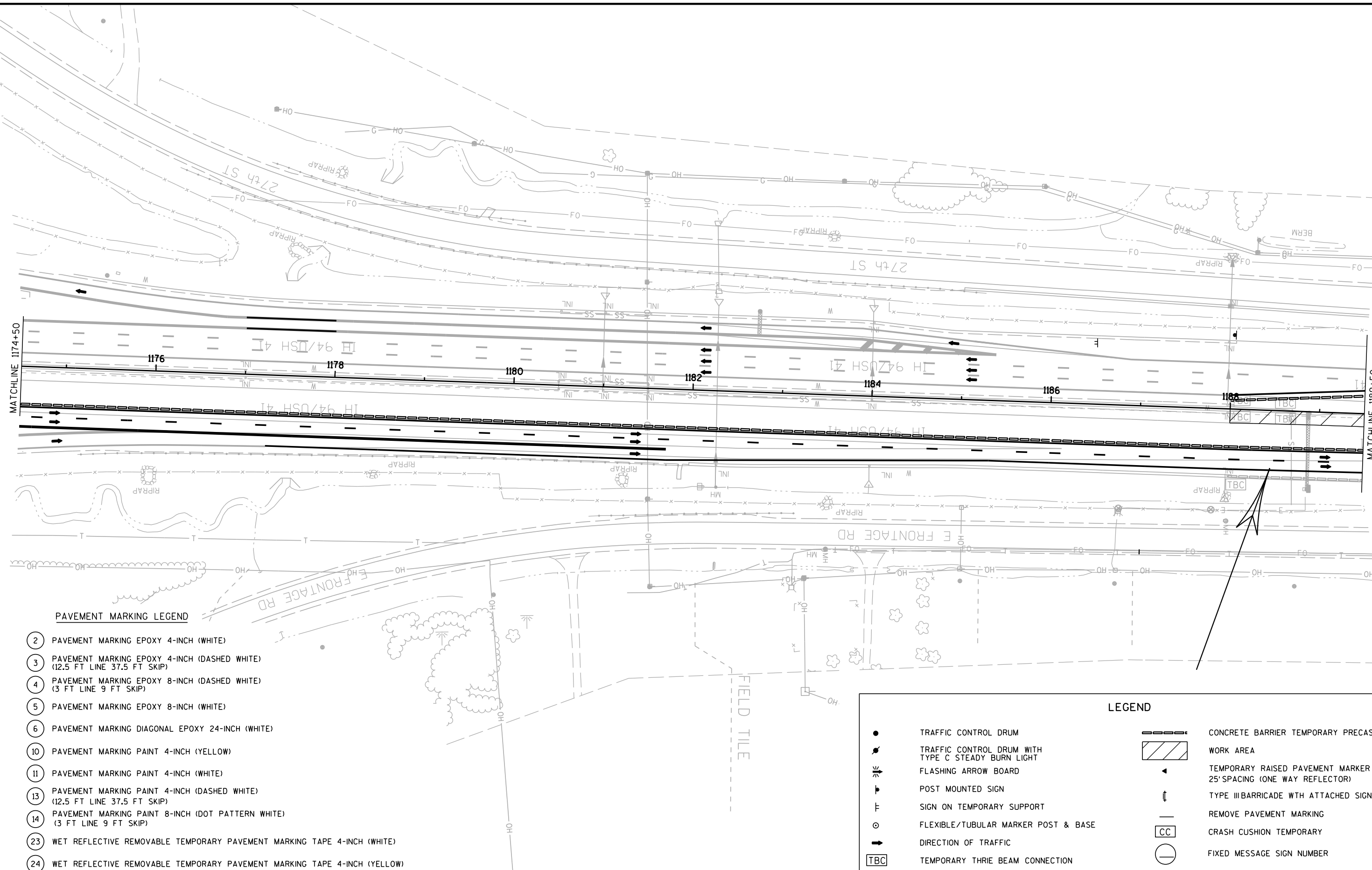
PAVEMENT MARKING LEGEND

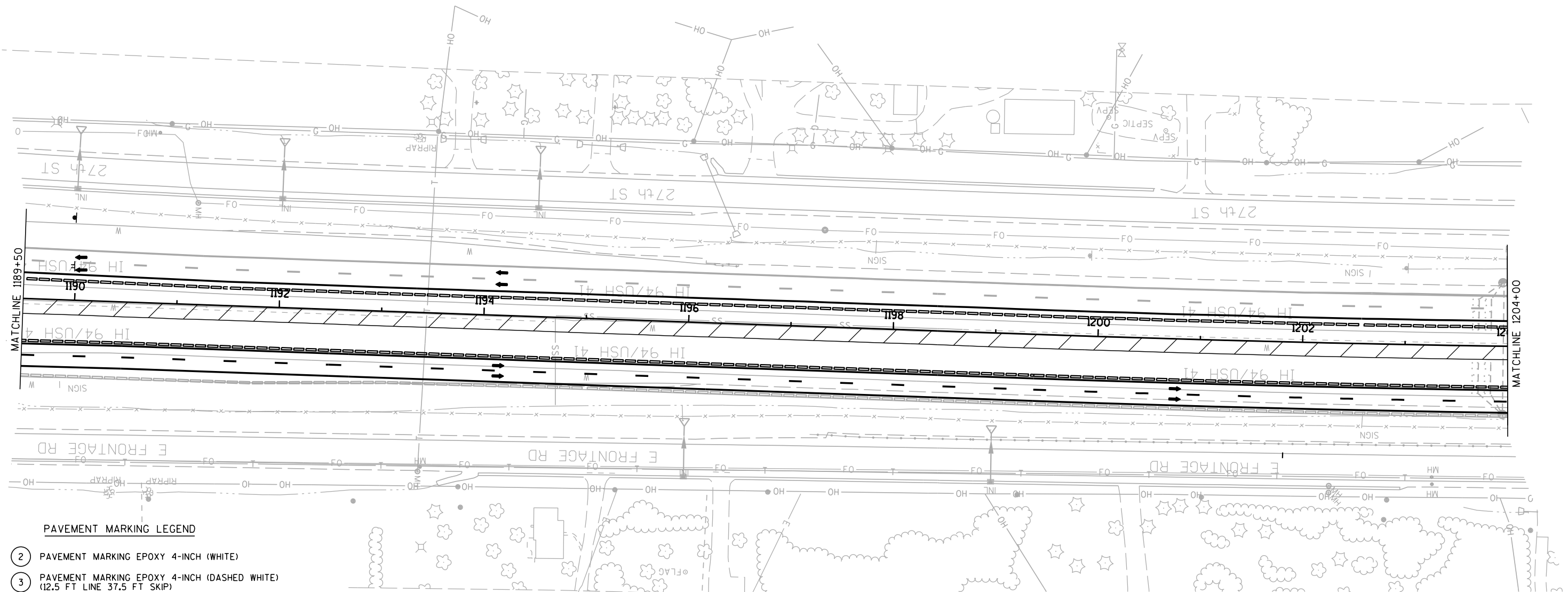
- ② PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- ③ PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
- ④ PAVEMENT MARKING EPOXY 8-INCH (DASHED WHITE) (3 FT LINE 9 FT SKIP)
- ⑤ PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- ⑥ PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE)
- ⑩ PAVEMENT MARKING PAINT 4-INCH (YELLOW)
- ⑪ PAVEMENT MARKING PAINT 4-INCH (WHITE)
- ⑬ PAVEMENT MARKING PAINT 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
- ⑭ PAVEMENT MARKING PAINT 8-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)
- ⑳ WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (WHITE)
- ㉔ WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (YELLOW)



LEGEND

- | | | | |
|-----|--|-----|--|
| ● | TRAFFIC CONTROL DRUM | ▬▬▬ | CONCRETE BARRIER TEMPORARY PRECAST |
| ● | TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT | ▨ | WORK AREA |
| ⚡ | FLASHING ARROW BOARD | ◀ | TEMPORARY RAISED PAVEMENT MARKER 25' SPACING (ONE WAY REFLECTOR) |
| ⚡ | POST MOUNTED SIGN | ↑ | TYPE III BARRICADE WITH ATTACHED SIGN |
| ⚡ | SIGN ON TEMPORARY SUPPORT | — | REMOVE PAVEMENT MARKING |
| ○ | FLEXIBLE/TUBULAR MARKER POST & BASE | CC | CRASH CUSHION TEMPORARY |
| → | DIRECTION OF TRAFFIC | ○ | FIXED MESSAGE SIGN NUMBER |
| TBC | TEMPORARY THRIE BEAM CONNECTION | | |





PAVEMENT MARKING LEGEND

- ② PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- ③ PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP)
- ④ PAVEMENT MARKING EPOXY 8-INCH (DASHED WHITE)
(3 FT LINE 9 FT SKIP)
- ⑤ PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- ⑥ PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE)
- ⑩ PAVEMENT MARKING PAINT 4-INCH (YELLOW)
- ⑪ PAVEMENT MARKING PAINT 4-INCH (WHITE)
- ⑬ PAVEMENT MARKING PAINT 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP)
- ⑭ PAVEMENT MARKING PAINT 8-INCH (DOT PATTERN WHITE)
(3 FT LINE 9 FT SKIP)
- ⑳ WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (WHITE)
- ㉑ WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (YELLOW)

LEGEND

- | | | | |
|-----|---|------|---|
| ● | TRAFFIC CONTROL DRUM | ▬▬▬▬ | CONCRETE BARRIER TEMPORARY PRECAST |
| ● | TRAFFIC CONTROL DRUM WITH
TYPE C STEADY BURN LIGHT | ▨▨▨▨ | WORK AREA |
| ⚡ | FLASHING ARROW BOARD | ◀ | TEMPORARY RAISED PAVEMENT MARKER
25' SPACING (ONE WAY REFLECTOR) |
| ⌚ | POST MOUNTED SIGN | ↑ | TYPE III BARRICADE WITH ATTACHED SIGN |
| ⌚ | SIGN ON TEMPORARY SUPPORT | — | REMOVE PAVEMENT MARKING |
| ⊙ | FLEXIBLE/TUBULAR MARKER POST & BASE | CC | CRASH CUSHION TEMPORARY |
| ➡ | DIRECTION OF TRAFFIC | ○ | FIXED MESSAGE SIGN NUMBER |
| TBC | TEMPORARY THREE BEAM CONNECTION | | |

PROJECT NO: 1035-01-79

HWY: IH 94

COUNTY: RACINE

TRAFFIC CONTROL- STAGE 1B

SHEET

PRE_100

E

FILE NAME : Z:\Racine\CADD\20\20M\CDS\025008-1c-1B.dgn

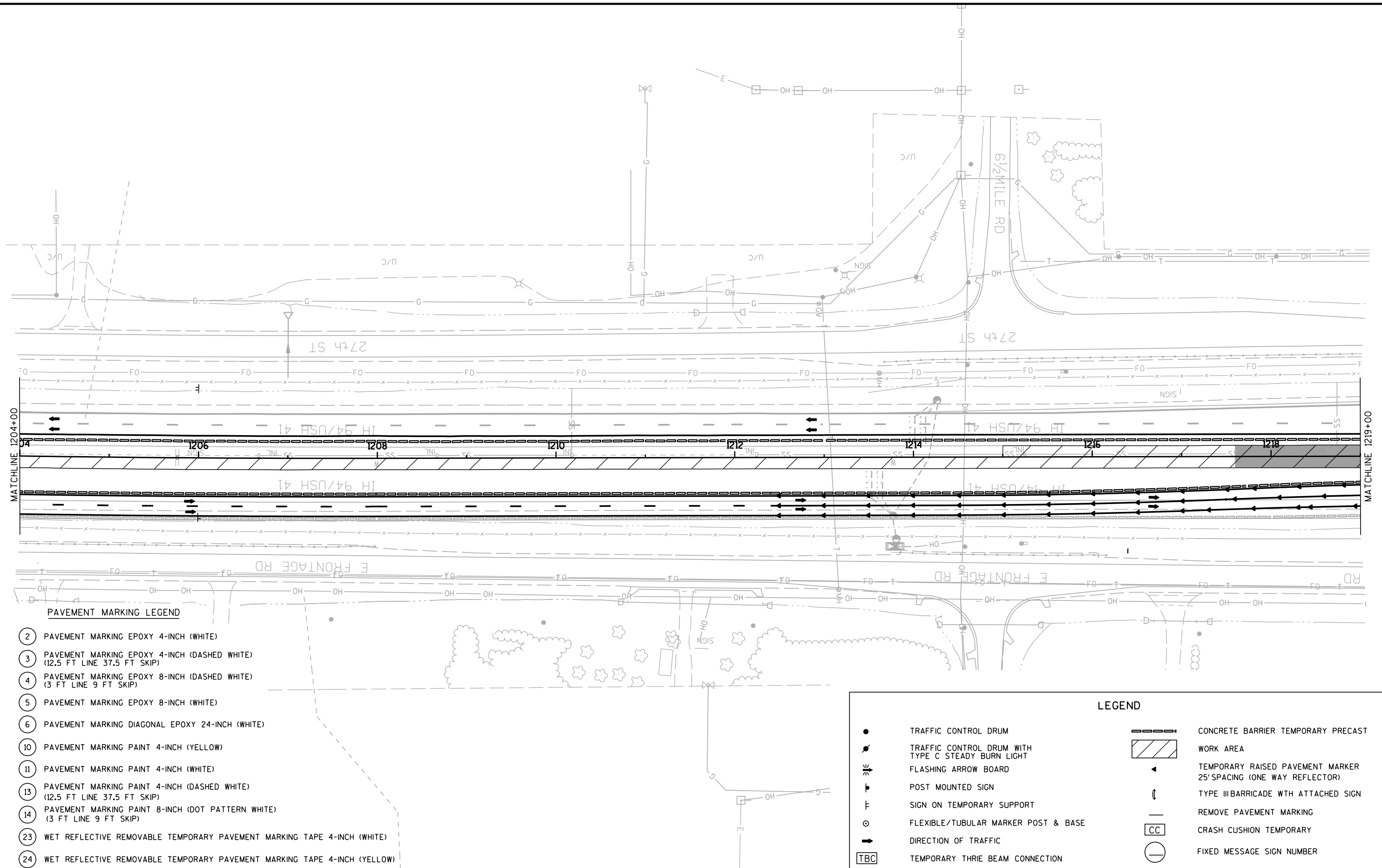
PLOT DATE : 6/14/2017

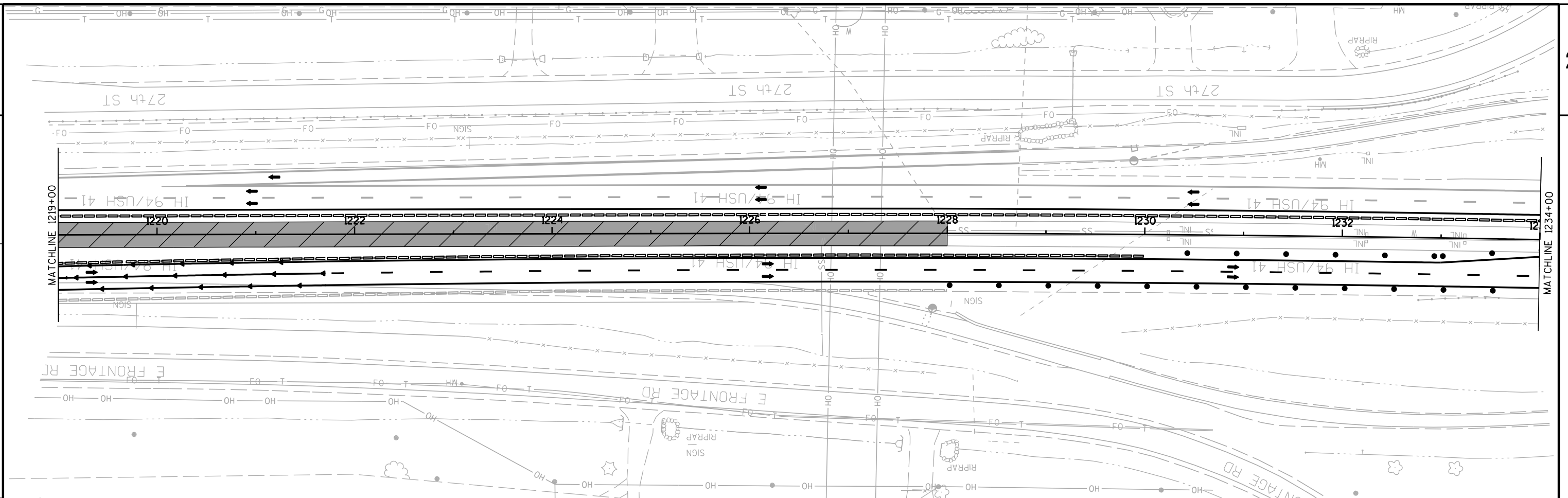
PLOT BY : josh.mount

PLOT NAME :

PLOT SCALE : 1:100

WISDOT/CADD SHEET 42



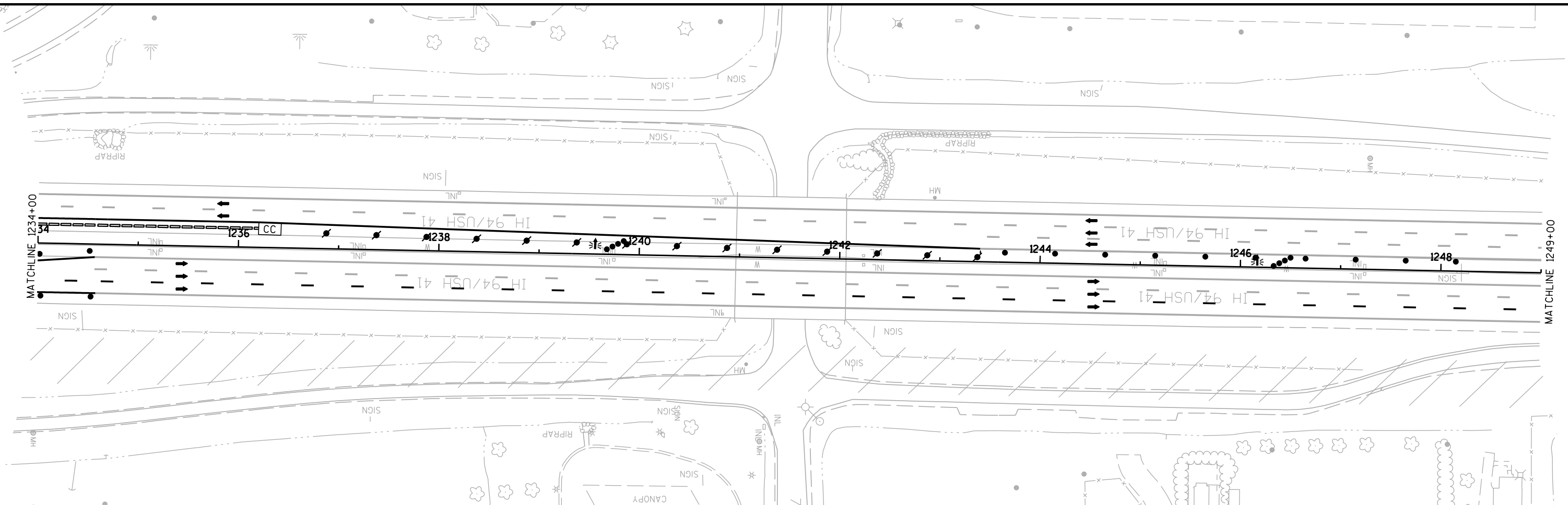


PAVEMENT MARKING LEGEND

- (2) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (3) PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP)
- (4) PAVEMENT MARKING EPOXY 8-INCH (DASHED WHITE)
(3 FT LINE 9 FT SKIP)
- (5) PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- (6) PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE)
- (10) PAVEMENT MARKING PAINT 4-INCH (YELLOW)
- (11) PAVEMENT MARKING PAINT 4-INCH (WHITE)
- (13) PAVEMENT MARKING PAINT 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP)
- (14) PAVEMENT MARKING PAINT 8-INCH (DOT PATTERN WHITE)
(3 FT LINE 9 FT SKIP)
- (23) WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (WHITE)
- (24) WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (YELLOW)

LEGEND

- | | | | |
|-----|---|-------|---|
| ● | TRAFFIC CONTROL DRUM | ===== | CONCRETE BARRIER TEMPORARY PRECAST |
| ● | TRAFFIC CONTROL DRUM WITH
TYPE C STEADY BURN LIGHT | ▨ | WORK AREA |
| ⚡ | FLASHING ARROW BOARD | ◀ | TEMPORARY RAISED PAVEMENT MARKER
25' SPACING (ONE WAY REFLECTOR) |
| ♣ | POST MOUNTED SIGN | ↑ | TYPE III BARRICADE WITH ATTACHED SIGN |
| ⌄ | SIGN ON TEMPORARY SUPPORT | — | REMOVE PAVEMENT MARKING |
| ○ | FLEXIBLE/TUBULAR MARKER POST & BASE | CC | CRASH CUSHION TEMPORARY |
| ➔ | DIRECTION OF TRAFFIC | ◯ | FIXED MESSAGE SIGN NUMBER |
| TBC | TEMPORARY THRIE BEAM CONNECTION | | |



PAVEMENT MARKING LEGEND

- (2) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (3) PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP)
- (4) PAVEMENT MARKING EPOXY 8-INCH (DASHED WHITE)
(3 FT LINE 9 FT SKIP)
- (5) PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- (6) PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE)
- (10) PAVEMENT MARKING PAINT 4-INCH (YELLOW)
- (11) PAVEMENT MARKING PAINT 4-INCH (WHITE)
- (13) PAVEMENT MARKING PAINT 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP)
- (14) PAVEMENT MARKING PAINT 8-INCH (DOT PATTERN WHITE)
(3 FT LINE 9 FT SKIP)
- (23) WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (WHITE)
- (24) WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (YELLOW)

LEGEND

- | | | | |
|-----|---|-------|---|
| ● | TRAFFIC CONTROL DRUM | ===== | CONCRETE BARRIER TEMPORARY PRECAST |
| ● | TRAFFIC CONTROL DRUM WITH
TYPE C STEADY BURN LIGHT | ===== | WORK AREA |
| ⚡ | FLASHING ARROW BOARD | ◀ | TEMPORARY RAISED PAVEMENT MARKER
25' SPACING (ONE WAY REFLECTOR) |
| ♣ | POST MOUNTED SIGN | ↑ | TYPE III BARRICADE WITH ATTACHED SIGN |
| ⌄ | SIGN ON TEMPORARY SUPPORT | — | REMOVE PAVEMENT MARKING |
| ○ | FLEXIBLE/TUBULAR MARKER POST & BASE | CC | CRASH CUSHION TEMPORARY |
| ➔ | DIRECTION OF TRAFFIC | ○ | FIXED MESSAGE SIGN NUMBER |
| TBC | TEMPORARY THREE BEAM CONNECTION | | |

PROJECT NO: 1035-01-79

HWY: IH 94

COUNTY: RACINE

TRAFFIC CONTROL - STAGE 1B

SHEET

PRE_103

E

FILE NAME : Z:\Racine\CADDs\20\20M\CDS\025009b_fc-1B.dgn

PLOT DATE : 6/14/2017

PLOT BY : heather.stabo

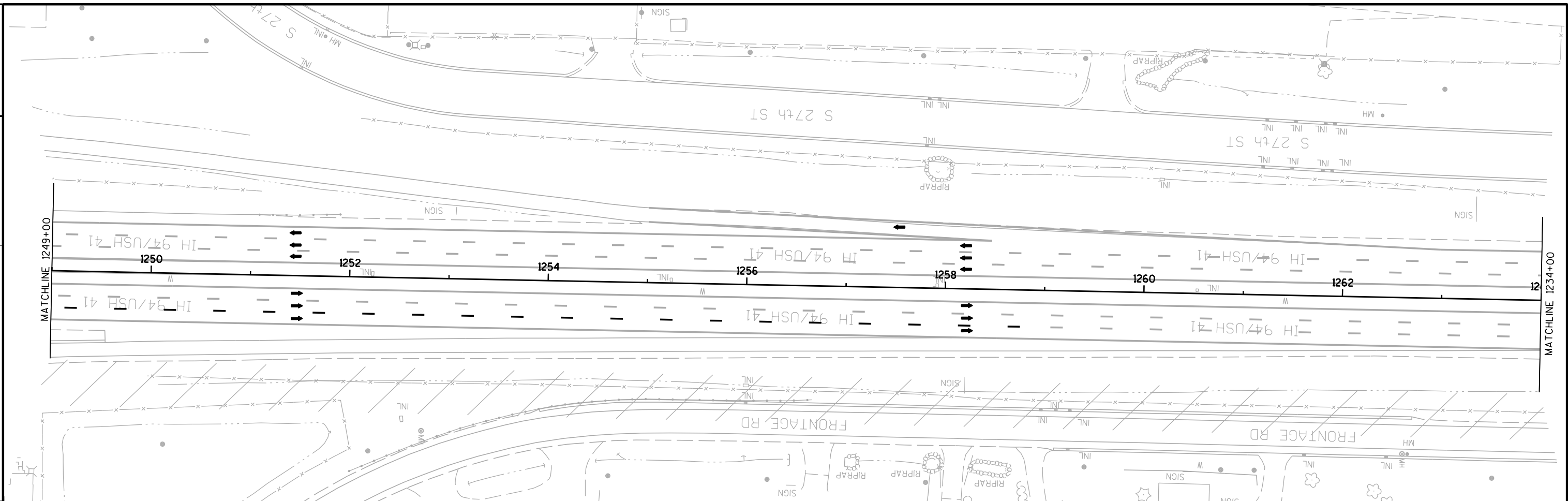
PLOT NAME :

PLOT SCALE : 1:100

WISDOT/CADDs SHEET 42

2

2



PAVEMENT MARKING LEGEND

- 2 PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- 3 PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP)
- 4 PAVEMENT MARKING EPOXY 8-INCH (DASHED WHITE)
(3 FT LINE 9 FT SKIP)
- 5 PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- 6 PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE)
- 10 PAVEMENT MARKING PAINT 4-INCH (YELLOW)
- 11 PAVEMENT MARKING PAINT 4-INCH (WHITE)
- 13 PAVEMENT MARKING PAINT 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP)
- 14 PAVEMENT MARKING PAINT 8-INCH (DOT PATTERN WHITE)
(3 FT LINE 9 FT SKIP)
- 23 WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (WHITE)
- 24 WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (YELLOW)

LEGEND

- | | | | |
|-----|---|------|---|
| ● | TRAFFIC CONTROL DRUM | ▬▬▬▬ | CONCRETE BARRIER TEMPORARY PRECAST |
| ⦿ | TRAFFIC CONTROL DRUM WITH
TYPE C STEADY BURN LIGHT | ▨ | WORK AREA |
| ⚡ | FLASHING ARROW BOARD | ◀ | TEMPORARY RAISED PAVEMENT MARKER
25' SPACING (ONE WAY REFLECTOR) |
| ♣ | POST MOUNTED SIGN | ↑ | TYPE III BARRICADE WITH ATTACHED SIGN |
| ⌚ | SIGN ON TEMPORARY SUPPORT | — | REMOVE PAVEMENT MARKING |
| ⊙ | FLEXIBLE/TUBULAR MARKER POST & BASE | CC | CRASH CUSHION TEMPORARY |
| ➡ | DIRECTION OF TRAFFIC | ◯ | FIXED MESSAGE SIGN NUMBER |
| TBC | TEMPORARY THREE BEAM CONNECTION | | |

PROJECT NO: 1035-01-79

HWY: IH 94

COUNTY: RACINE

TRAFFIC CONTROL - STAGE 1B

SHEET

PRE_104

E

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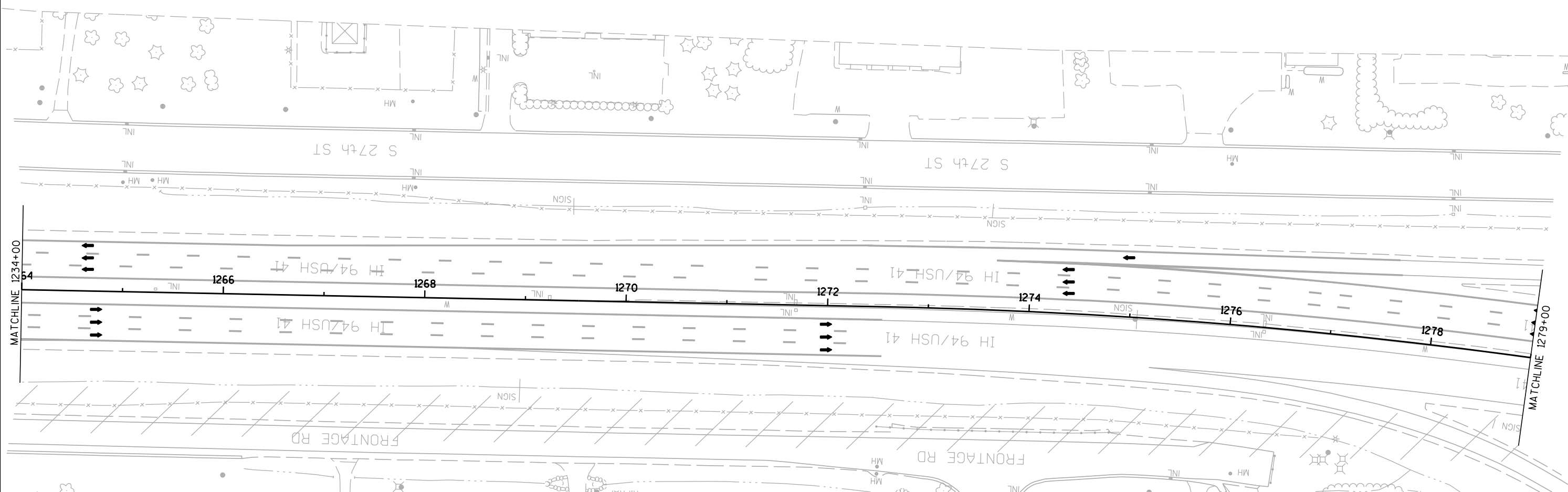
PLOT DATE : 6/14/2017

PLOT BY : heather.stabo

PLOT NAME :

PLOT SCALE : 1:100

WISDOT/CADD SHEET 42



PAVEMENT MARKING LEGEND

- (2) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (3) PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP)
- (4) PAVEMENT MARKING EPOXY 8-INCH (DASHED WHITE)
(3 FT LINE 9 FT SKIP)
- (5) PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- (6) PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE)
- (10) PAVEMENT MARKING PAINT 4-INCH (YELLOW)
- (11) PAVEMENT MARKING PAINT 4-INCH (WHITE)
- (13) PAVEMENT MARKING PAINT 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP)
- (14) PAVEMENT MARKING PAINT 8-INCH (DOT PATTERN WHITE)
(3 FT LINE 9 FT SKIP)
- (23) WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (WHITE)
- (24) WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (YELLOW)

LEGEND

- | | | | |
|-----|---|-------|---|
| ● | TRAFFIC CONTROL DRUM | ===== | CONCRETE BARRIER TEMPORARY PRECAST |
| ⦿ | TRAFFIC CONTROL DRUM WITH
TYPE C STEADY BURN LIGHT | ▨ | WORK AREA |
| ⚡ | FLASHING ARROW BOARD | ◀ | TEMPORARY RAISED PAVEMENT MARKER
25' SPACING (ONE WAY REFLECTOR) |
| ♣ | POST MOUNTED SIGN | ↑ | TYPE III BARRICADE WITH ATTACHED SIGN |
| ⌄ | SIGN ON TEMPORARY SUPPORT | — | REMOVE PAVEMENT MARKING |
| ⊙ | FLEXIBLE/TUBULAR MARKER POST & BASE | CC | CRASH CUSHION TEMPORARY |
| ➔ | DIRECTION OF TRAFFIC | ◯ | FIXED MESSAGE SIGN NUMBER |
| TBC | TEMPORARY THREE BEAM CONNECTION | | |

PROJECT NO: 1035-01-79

HWY: IH 94

COUNTY: RACINE

TRAFFIC CONTROL - STAGE 1B

SHEET

PRE_105

E

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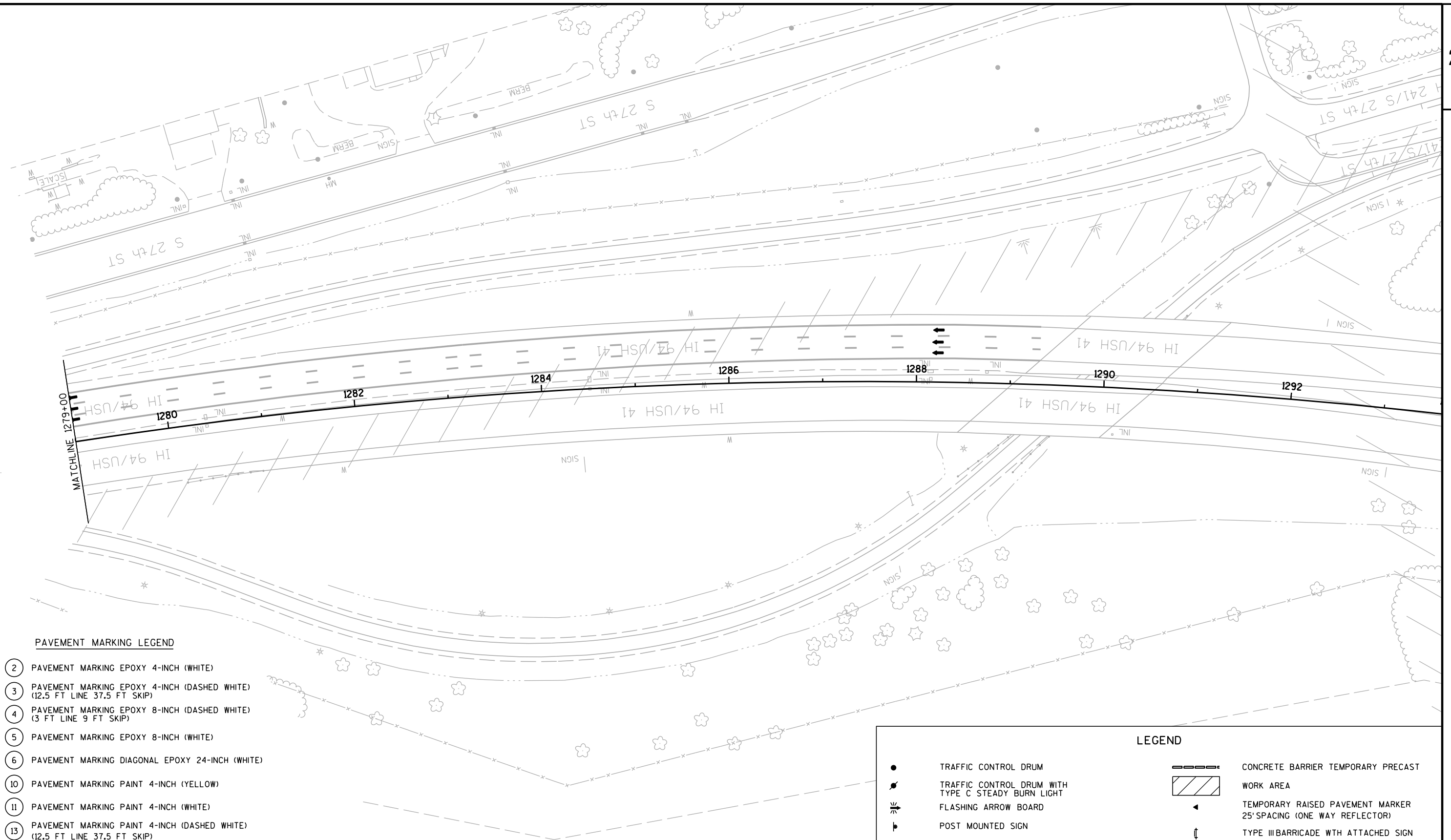
PLOT DATE : 6/14/2017

PLOT BY : heather.stabo

PLOT NAME :

PLOT SCALE : 1:100

WISDOT/CADDs SHEET 42



PAVEMENT MARKING LEGEND

- (2) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (3) PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP)
- (4) PAVEMENT MARKING EPOXY 8-INCH (DASHED WHITE)
(3 FT LINE 9 FT SKIP)
- (5) PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- (6) PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE)
- (10) PAVEMENT MARKING PAINT 4-INCH (YELLOW)
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- (13) PAVEMENT MARKING PAINT 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP)
- (14) PAVEMENT MARKING PAINT 8-INCH (DOT PATTERN WHITE)
(3 FT LINE 9 FT SKIP)
- (23) WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (WHITE)
- (24) WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (YELLOW)

LEGEND

- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH
TYPE C STEADY BURN LIGHT
- ⚡ FLASHING ARROW BOARD
- ⚡ POST MOUNTED SIGN
- ⚡ SIGN ON TEMPORARY SUPPORT
- FLEXIBLE/TUBULAR MARKER POST & BASE
- ➡ DIRECTION OF TRAFFIC
- TBC TEMPORARY THRIE BEAM CONNECTION
- ▬ CONCRETE BARRIER TEMPORARY PRECAST
- ▨ WORK AREA
- ◀ TEMPORARY RAISED PAVEMENT MARKER
25' SPACING (ONE WAY REFLECTOR)
- ⚡ TYPE III BARRICADE WITH ATTACHED SIGN
- REMOVE PAVEMENT MARKING
- CC CRASH CUSHION TEMPORARY
- FIXED MESSAGE SIGN NUMBER

PROJECT NO: 1035-01-79

HWY: IH 94

COUNTY: RACINE

TRAFFIC CONTROL - STAGE 1B

SHEET

PRE_106

E

FILE NAME : Z:\Racine\CADD\20\20M\CDS\025009e_fc-1B.dgn

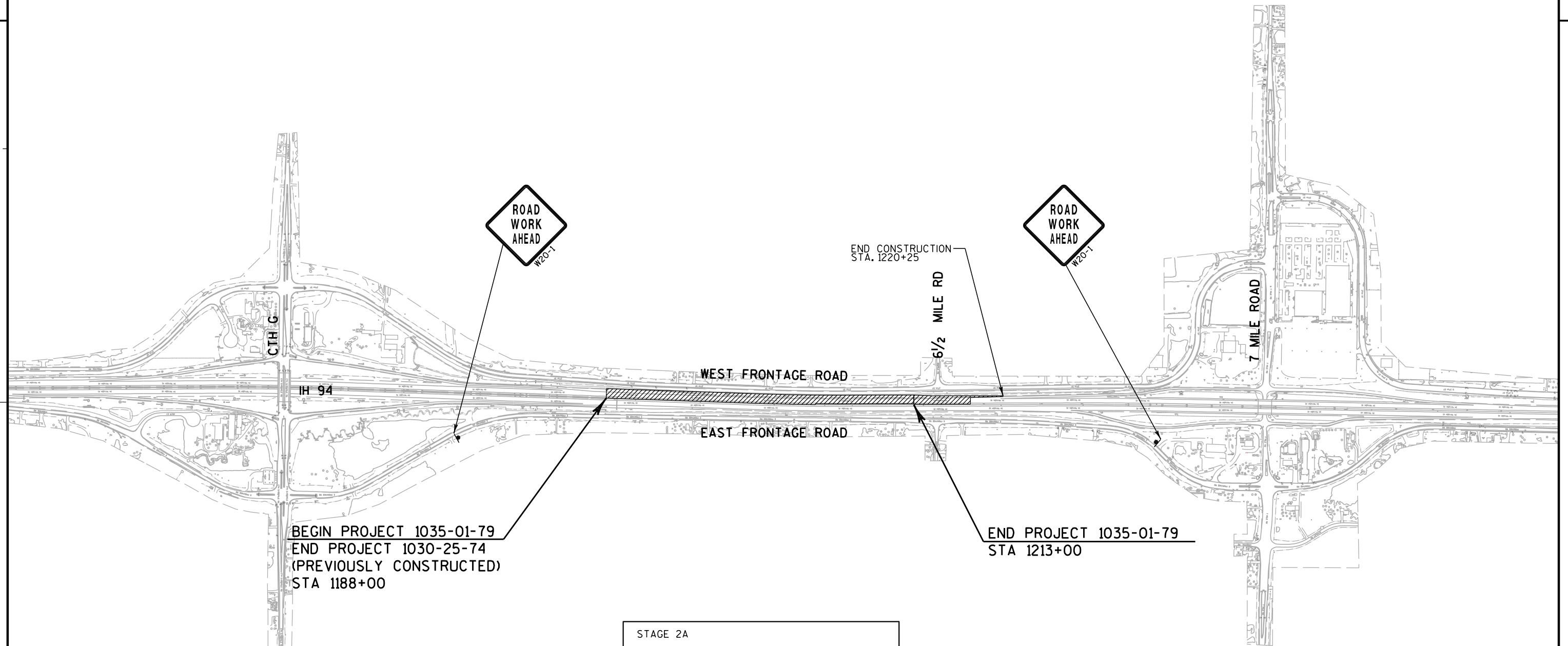
PLOT DATE : 6/14/2017

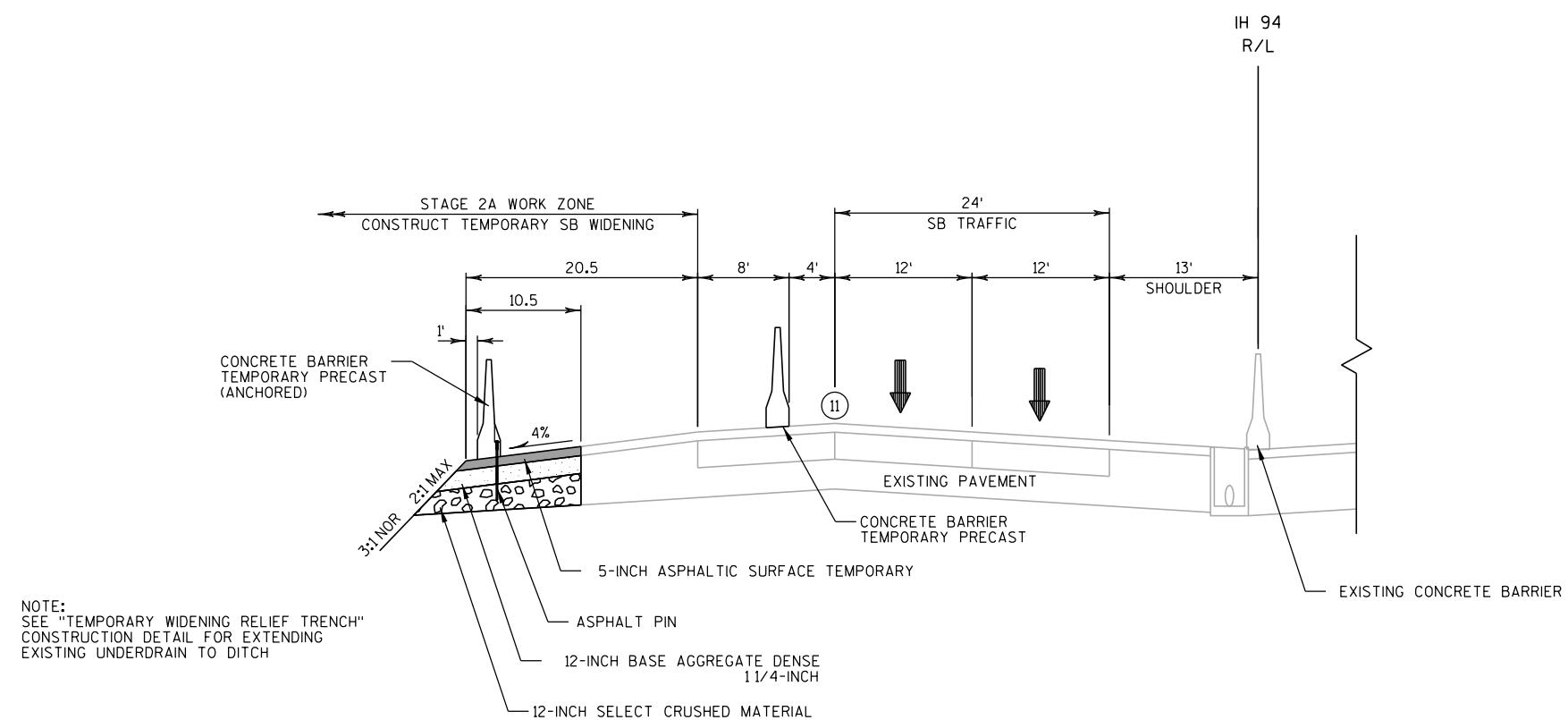
PLOT BY : heather.stabo

PLOT NAME :

PLOT SCALE : 1:100

WISDOT/CADD SHEET 42

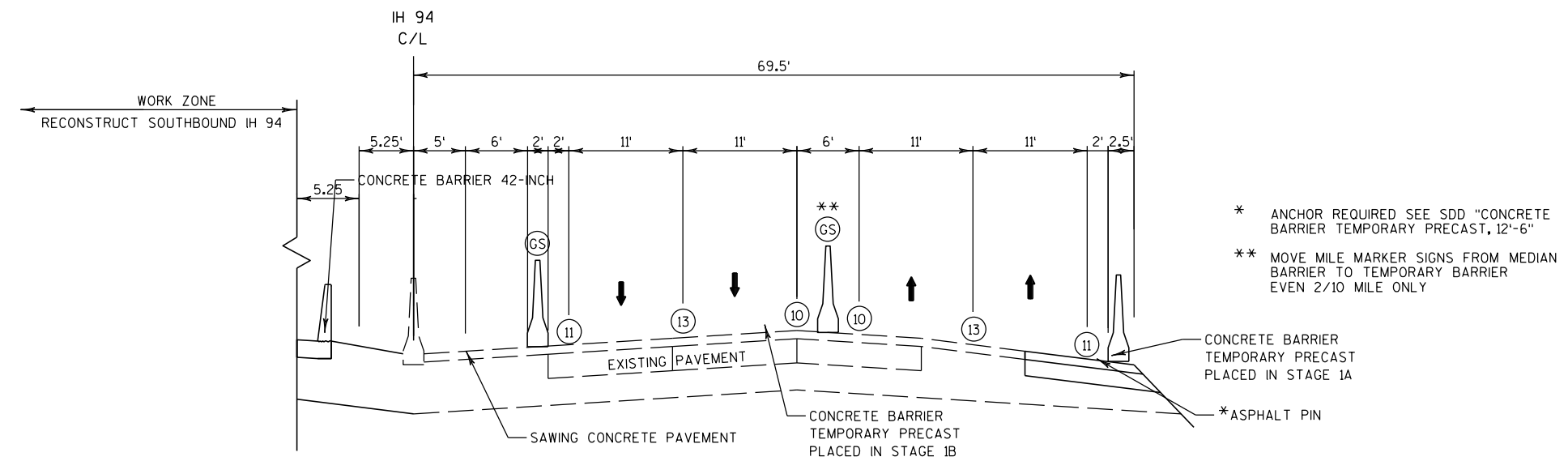
 WORK ZONE

**STAGE 2A****IH 94**

STA 1217+60 TO STA 1220+25

LEGEND

- ⑩ PAVEMENT MARKING PAINT 4-INCH (YELLOW)
- ⑪ PAVEMENT MARKING PAINT 4-INCH (WHITE)
- ⑬ PAVEMENT MARKING PAINT 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP)
- ↓ TRAFFIC FLOW



(DO NOT INSTALL STA. 1189+38 TO 1196+00)

TYPICAL SECTION

STAGE 2A

IH 94

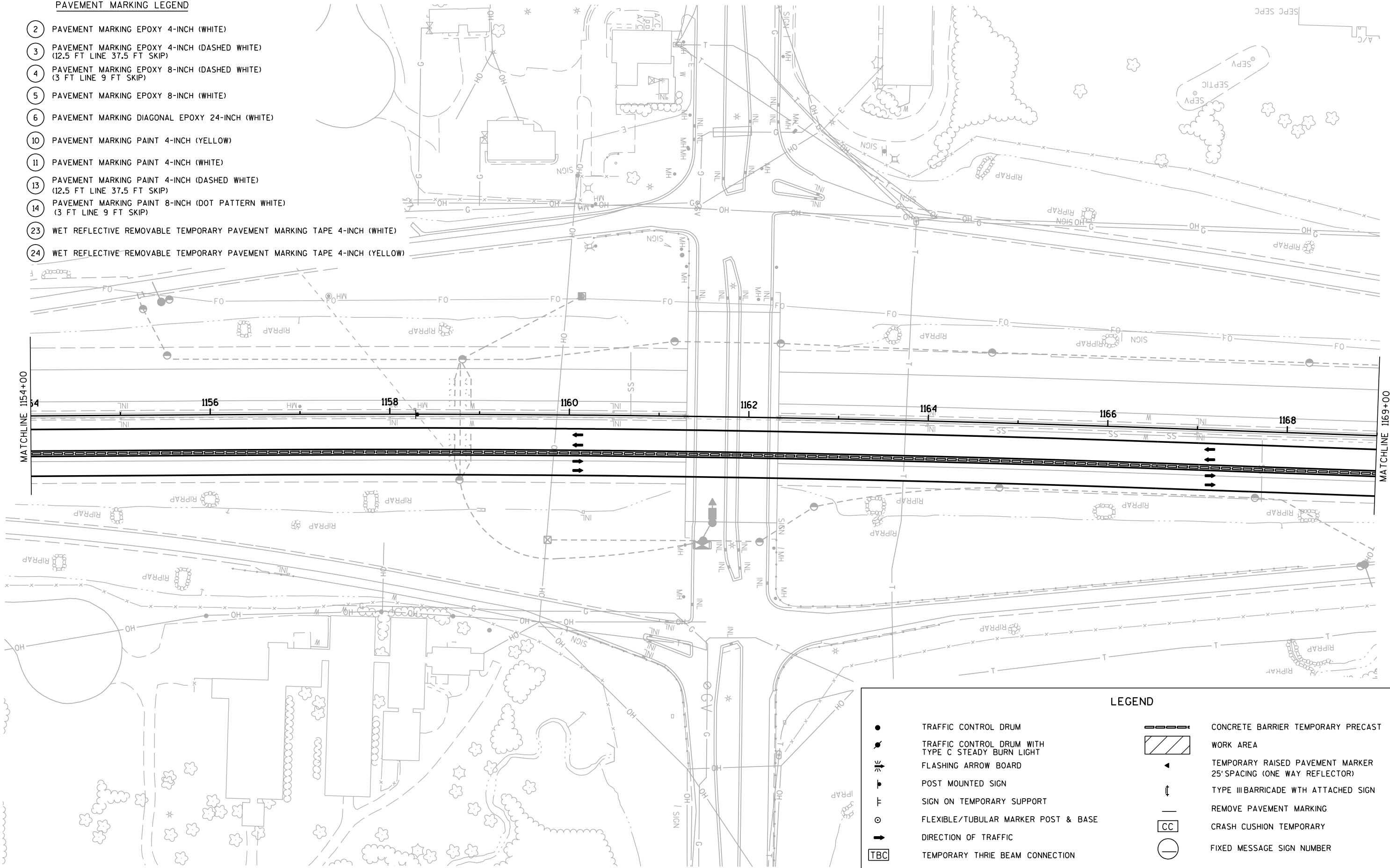
STA 1188+00 TO STA 1213+00

LEGEND

- ⑩ PAVEMENT MARKING PAINT 4-INCH (YELLOW)
- ⑪ PAVEMENT MARKING PAINT 4-INCH (WHITE)
- ⑬ PAVEMENT MARKING PAINT, LANE LINE
- GS GLARE SCREEN TEMPORARY

PAVEMENT MARKING LEGEND

- 2 PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- 3 PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP)
- 4 PAVEMENT MARKING EPOXY 8-INCH (DASHED WHITE)
(3 FT LINE 9 FT SKIP)
- 5 PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- 6 PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE)
- 10 PAVEMENT MARKING PAINT 4-INCH (YELLOW)
- 11 PAVEMENT MARKING PAINT 4-INCH (WHITE)
- 13 PAVEMENT MARKING PAINT 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP)
- 14 PAVEMENT MARKING PAINT 8-INCH (DOT PATTERN WHITE)
(3 FT LINE 9 FT SKIP)
- 23 WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (WHITE)
- 24 WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (YELLOW)

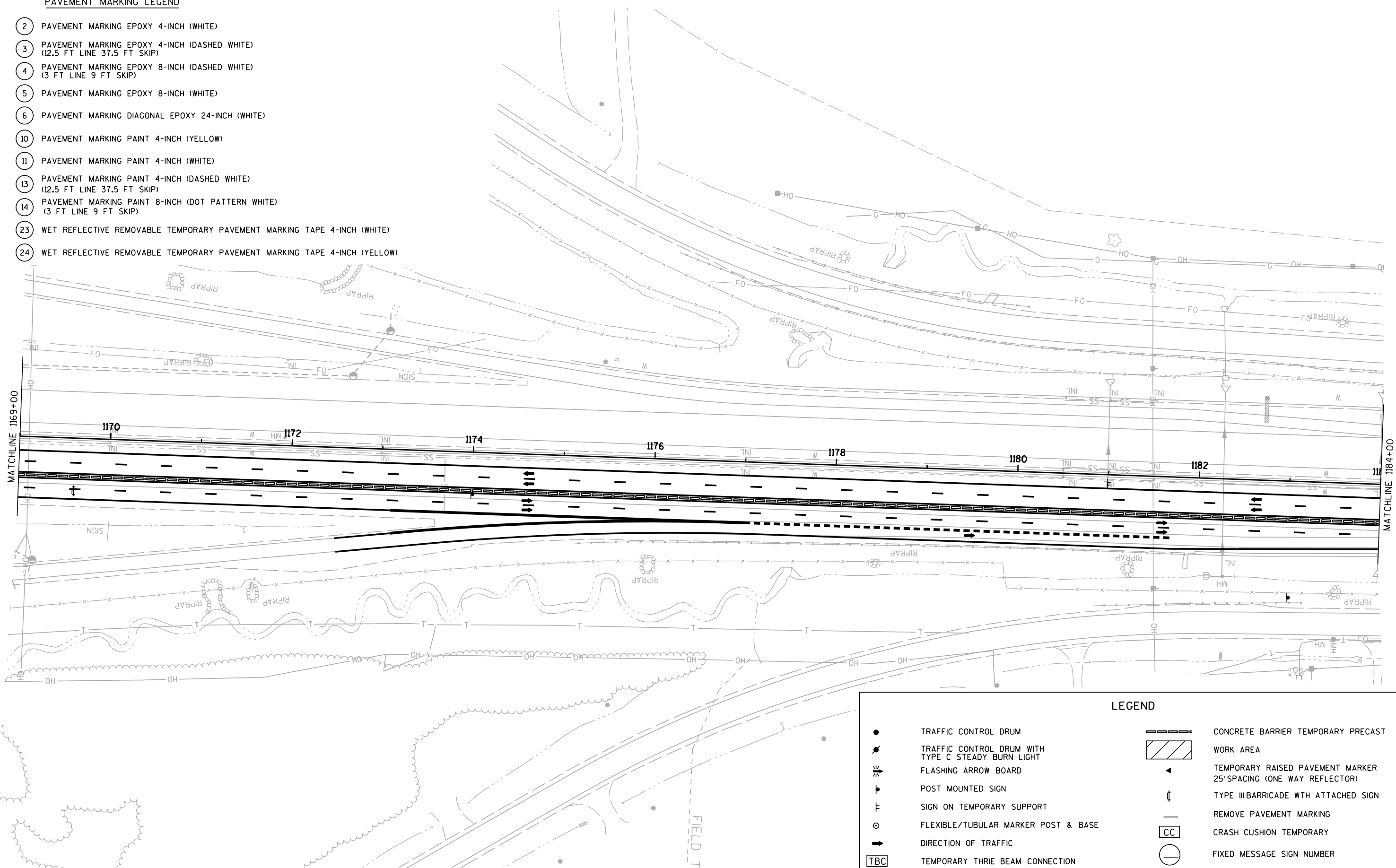


LEGEND

- | | | | |
|-----|---|----|---|
| ● | TRAFFIC CONTROL DRUM | ▨ | CONCRETE BARRIER TEMPORARY PRECAST |
| ● | TRAFFIC CONTROL DRUM WITH
TYPE C STEADY BURN LIGHT | ▨ | WORK AREA |
| ▲ | FLASHING ARROW BOARD | ▲ | TEMPORARY RAISED PAVEMENT MARKER
25' SPACING (ONE WAY REFLECTOR) |
| ▲ | POST MOUNTED SIGN | ↑ | TYPE III BARRICADE WITH ATTACHED SIGN |
| ▲ | SIGN ON TEMPORARY SUPPORT | — | REMOVE PAVEMENT MARKING |
| ○ | FLEXIBLE/TUBULAR MARKER POST & BASE | CC | CRASH CUSHION TEMPORARY |
| → | DIRECTION OF TRAFFIC | ○ | FIXED MESSAGE SIGN NUMBER |
| TBC | TEMPORARY THRIE BEAM CONNECTION | | |

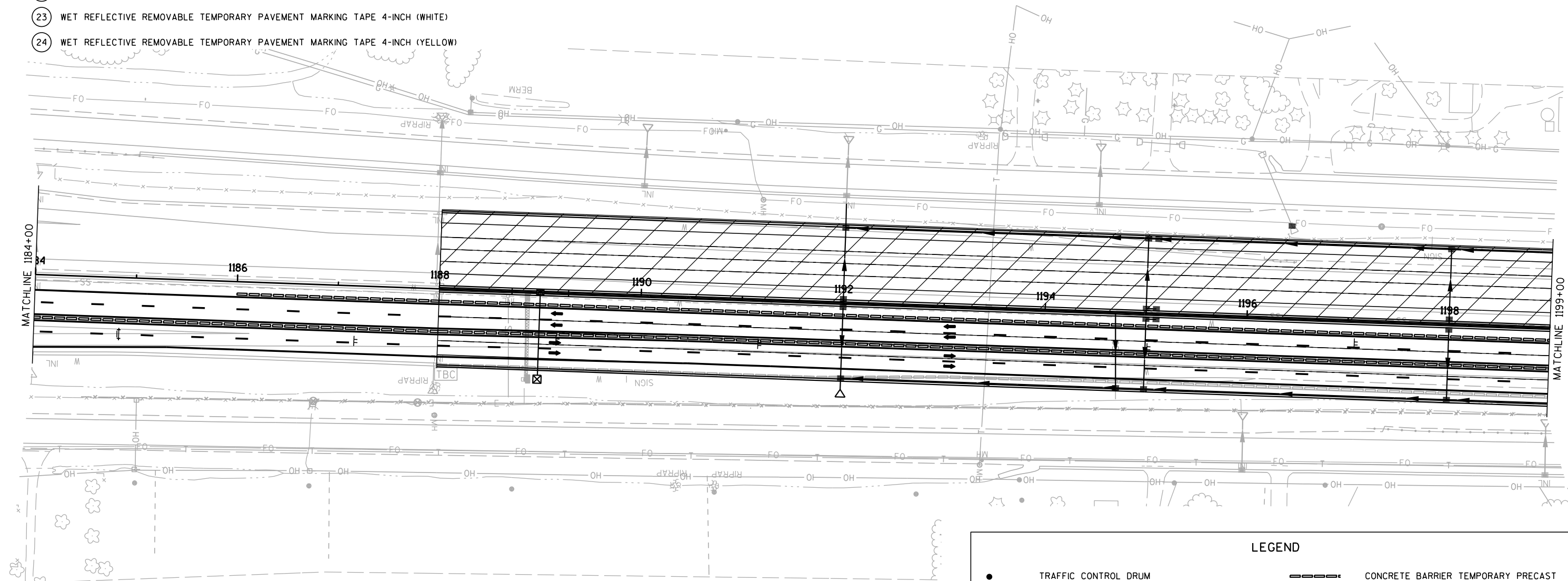
PAVEMENT MARKING LEGEND

- 2 PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- 3 PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP)
- 4 PAVEMENT MARKING EPOXY 8-INCH (DASHED WHITE)
(3 FT LINE 9 FT SKIP)
- 5 PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- 6 PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE)
- 10 PAVEMENT MARKING PAINT 4-INCH (YELLOW)
- 11 PAVEMENT MARKING PAINT 4-INCH (WHITE)
- 13 PAVEMENT MARKING PAINT 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP)
- 14 PAVEMENT MARKING PAINT 8-INCH (DOT PATTERN WHITE)
(3 FT LINE 9 FT SKIP)
- 23 WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (WHITE)
- 24 WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (YELLOW)



PAVEMENT MARKING LEGEND

- 2 PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- 3 PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP)
- 4 PAVEMENT MARKING EPOXY 8-INCH (DASHED WHITE)
(3 FT LINE 9 FT SKIP)
- 5 PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- 6 PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE)
- 10 PAVEMENT MARKING PAINT 4-INCH (YELLOW)
- 11 PAVEMENT MARKING PAINT 4-INCH (WHITE)
- 13 PAVEMENT MARKING PAINT 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP)
- 14 PAVEMENT MARKING PAINT 8-INCH (DOT PATTERN WHITE)
(3 FT LINE 9 FT SKIP)
- 23 WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (WHITE)
- 24 WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (YELLOW)



LEGEND

●

TRAFFIC CONTROL DRUM

●

TRAFFIC CONTROL DRUM WITH
TYPE C STEADY BURN LIGHT

↔

FLASHING ARROW BOARD

↑

POST MOUNTED SIGN

↑

SIGN ON TEMPORARY SUPPORT

○

FLEXIBLE/TUBULAR MARKER POST & BASE

→

DIRECTION OF TRAFFIC

TBC

TEMPORARY THRIE BEAM CONNECTION

▨

CONCRETE BARRIER TEMPORARY PRECAST
WORK AREA

↑

TEMPORARY RAISED PAVEMENT MARKER
25' SPACING (ONE WAY REFLECTOR)

↑

TYPE III BARRICADE WITH ATTACHED SIGN

—

REMOVE PAVEMENT MARKING

CC

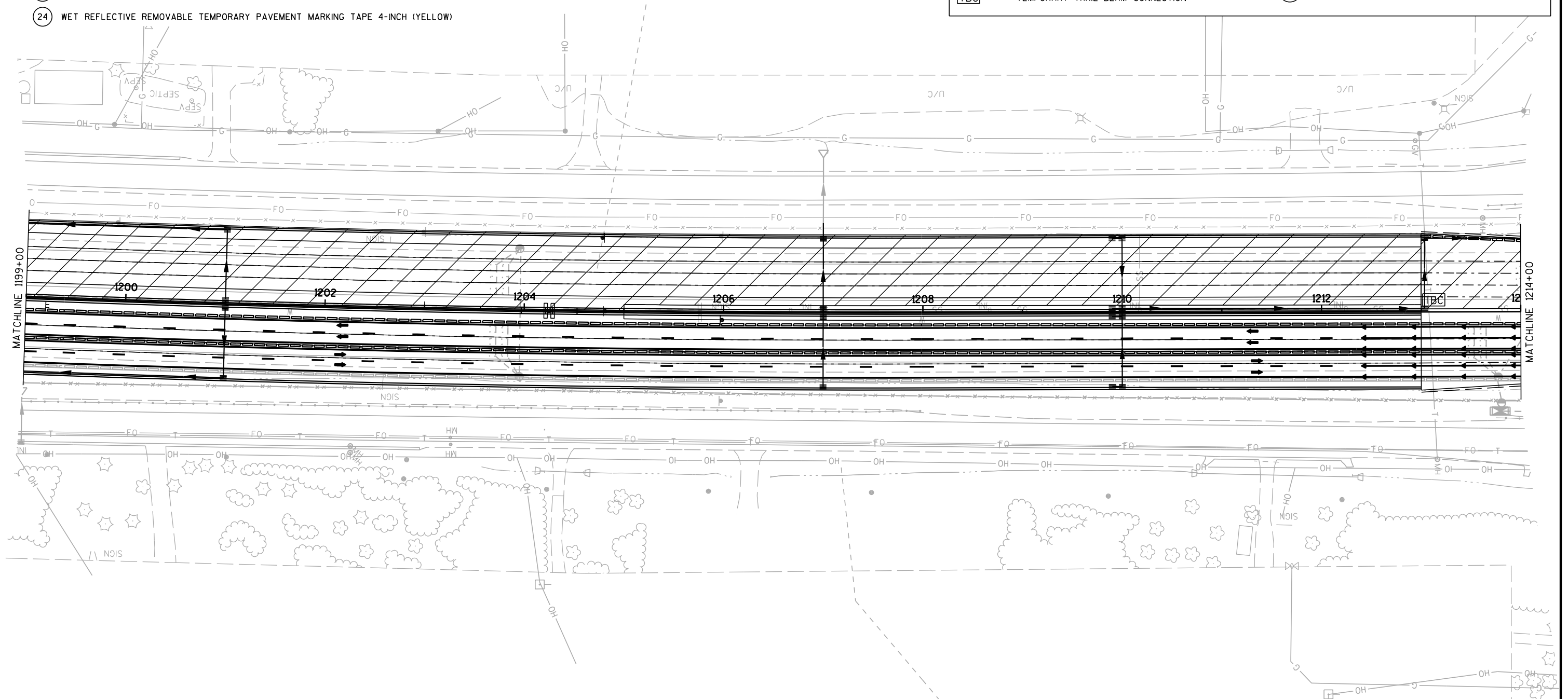
CRASH CUSHION TEMPORARY

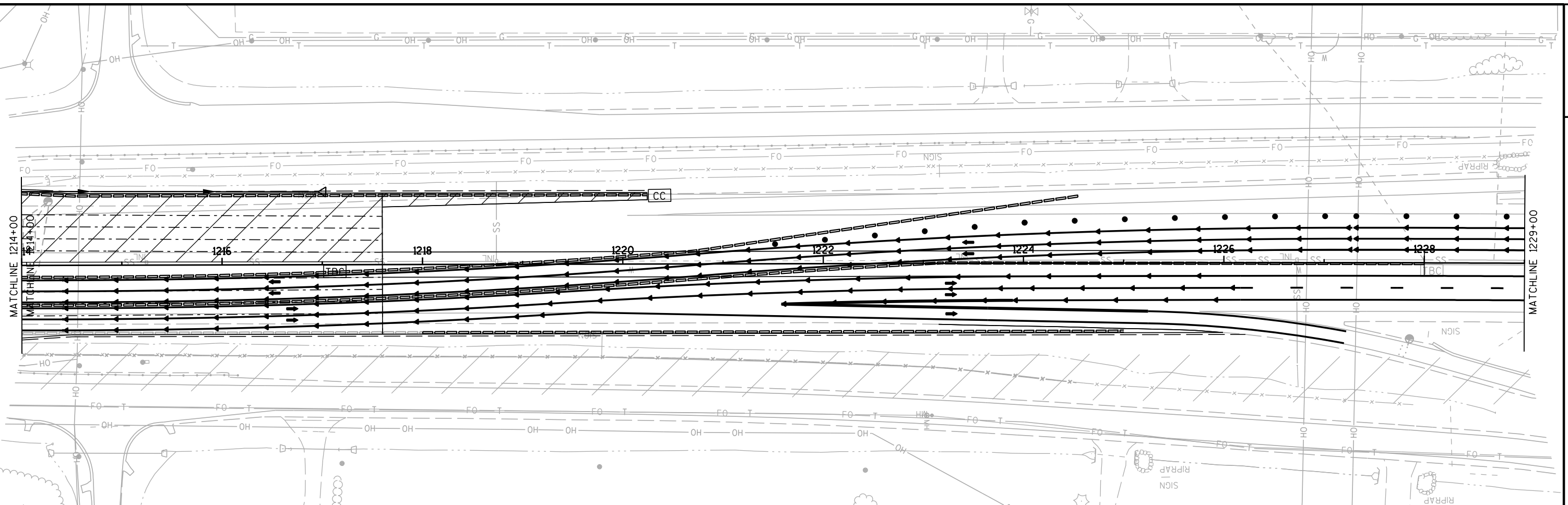
○

FIXED MESSAGE SIGN NUMBER

LEGEND

- | | | | |
|---|---|---|---|
| ● | TRAFFIC CONTROL DRUM |  | CONCRETE BARRIER TEMPORARY PRECAST |
|  | TRAFFIC CONTROL DRUM WITH
TYPE C STEADY BURN LIGHT |  | WORK AREA |
|  | FLASHING ARROW BOARD | ◀ | TEMPORARY RAISED PAVEMENT MARKER
25' SPACING (ONE WAY REFLECTOR) |
|  | POST MOUNTED SIGN | ⬆ | TYPE III BARRICADE WITH ATTACHED SIGN |
|  | SIGN ON TEMPORARY SUPPORT | — | REMOVE PAVEMENT MARKING |
| ⊙ | FLEXIBLE/TUBULAR MARKER POST & BASE |  | CRASH CUSHION TEMPORARY |
|  | DIRECTION OF TRAFFIC |  | FIXED MESSAGE SIGN NUMBER |
|  | TEMPORARY THREE BEAM CONNECTION | | |



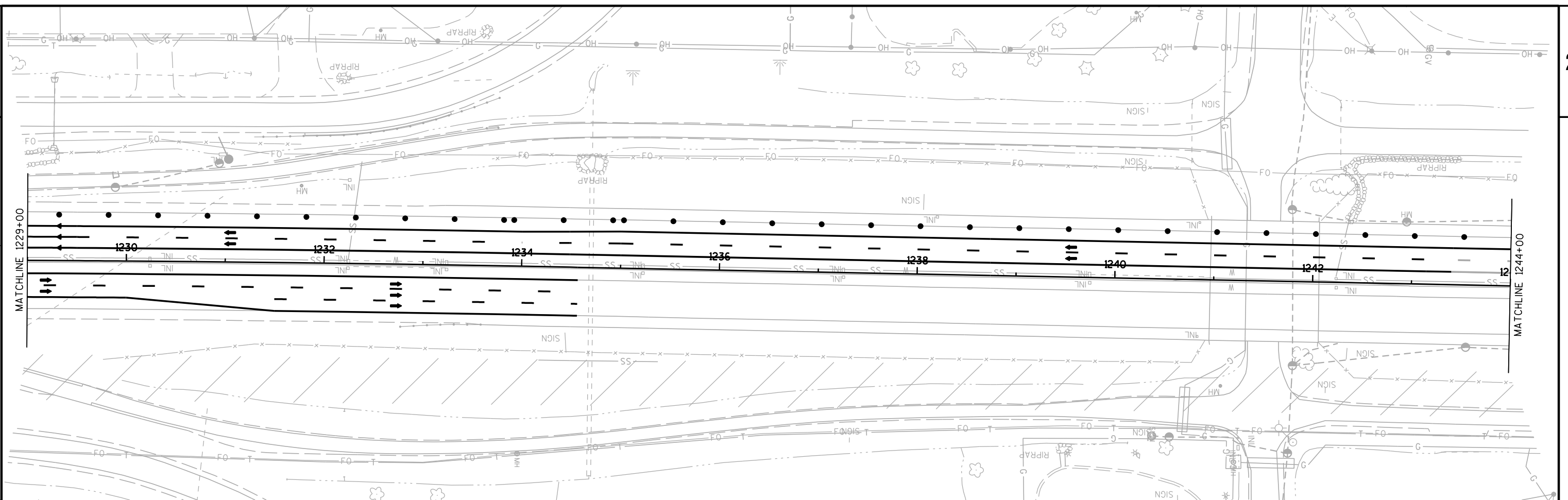


PAVEMENT MARKING LEGEND

- ② PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- ③ PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP)
- ④ PAVEMENT MARKING EPOXY 8-INCH (DASHED WHITE)
(3 FT LINE 9 FT SKIP)
- ⑤ PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- ⑥ PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE)
- ⑩ PAVEMENT MARKING PAINT 4-INCH (YELLOW)
- ⑪ PAVEMENT MARKING PAINT 4-INCH (WHITE)
- ⑬ PAVEMENT MARKING PAINT 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP)
- ⑭ PAVEMENT MARKING PAINT 8-INCH (DOT PATTERN WHITE)
(3 FT LINE 9 FT SKIP)
- ②③ WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (WHITE)
- ②④ WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (YELLOW)

LEGEND

- | | | | |
|-----|---|------|---|
| ● | TRAFFIC CONTROL DRUM | ▬▬▬▬ | CONCRETE BARRIER TEMPORARY PRECAST |
| ⦿ | TRAFFIC CONTROL DRUM WITH
TYPE C STEADY BURN LIGHT | ▨ | WORK AREA |
| ↔ | FLASHING ARROW BOARD | ◀ | TEMPORARY RAISED PAVEMENT MARKER
25' SPACING (ONE WAY REFLECTOR) |
| ⌋ | POST MOUNTED SIGN | ⬆ | TYPE III BARRICADE WITH ATTACHED SIGN |
| ⌋ | SIGN ON TEMPORARY SUPPORT | — | REMOVE PAVEMENT MARKING |
| ○ | FLEXIBLE/TUBULAR MARKER POST & BASE | CC | CRASH CUSHION TEMPORARY |
| → | DIRECTION OF TRAFFIC | ○ | FIXED MESSAGE SIGN NUMBER |
| TBC | TEMPORARY THREE BEAM CONNECTION | | |

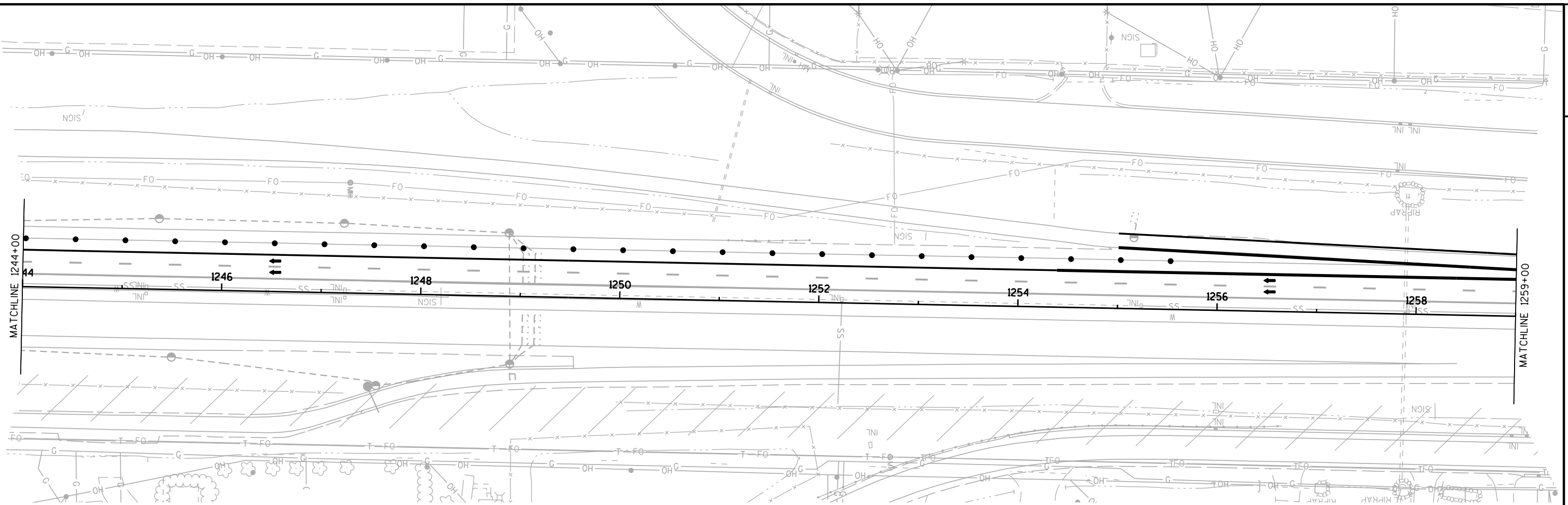


PAVEMENT MARKING LEGEND

- ② PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- ③ PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP)
- ④ PAVEMENT MARKING EPOXY 8-INCH (DASHED WHITE)
(3 FT LINE 9 FT SKIP)
- ⑤ PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- ⑥ PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE)
- ⑩ PAVEMENT MARKING PAINT 4-INCH (YELLOW)
- ⑪ PAVEMENT MARKING PAINT 4-INCH (WHITE)
- ⑬ PAVEMENT MARKING PAINT 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP)
- ⑭ PAVEMENT MARKING PAINT 8-INCH (DOT PATTERN WHITE)
(3 FT LINE 9 FT SKIP)
- ②③ WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (WHITE)
- ②④ WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (YELLOW)

LEGEND

- | | | | |
|-----|---|----|---|
| ● | TRAFFIC CONTROL DRUM | | CONCRETE BARRIER TEMPORARY PRECAST |
| ⦿ | TRAFFIC CONTROL DRUM WITH
TYPE C STEADY BURN LIGHT | | WORK AREA |
| ⚡ | FLASHING ARROW BOARD | ◀ | TEMPORARY RAISED PAVEMENT MARKER
25' SPACING (ONE WAY REFLECTOR) |
| ⌋ | POST MOUNTED SIGN | ⇕ | TYPE III BARRICADE WITH ATTACHED SIGN |
| ⌋ | SIGN ON TEMPORARY SUPPORT | — | REMOVE PAVEMENT MARKING |
| ⊙ | FLEXIBLE/TUBULAR MARKER POST & BASE | CC | CRASH CUSHION TEMPORARY |
| ➔ | DIRECTION OF TRAFFIC | ⊖ | FIXED MESSAGE SIGN NUMBER |
| TBC | TEMPORARY THRIE BEAM CONNECTION | | |

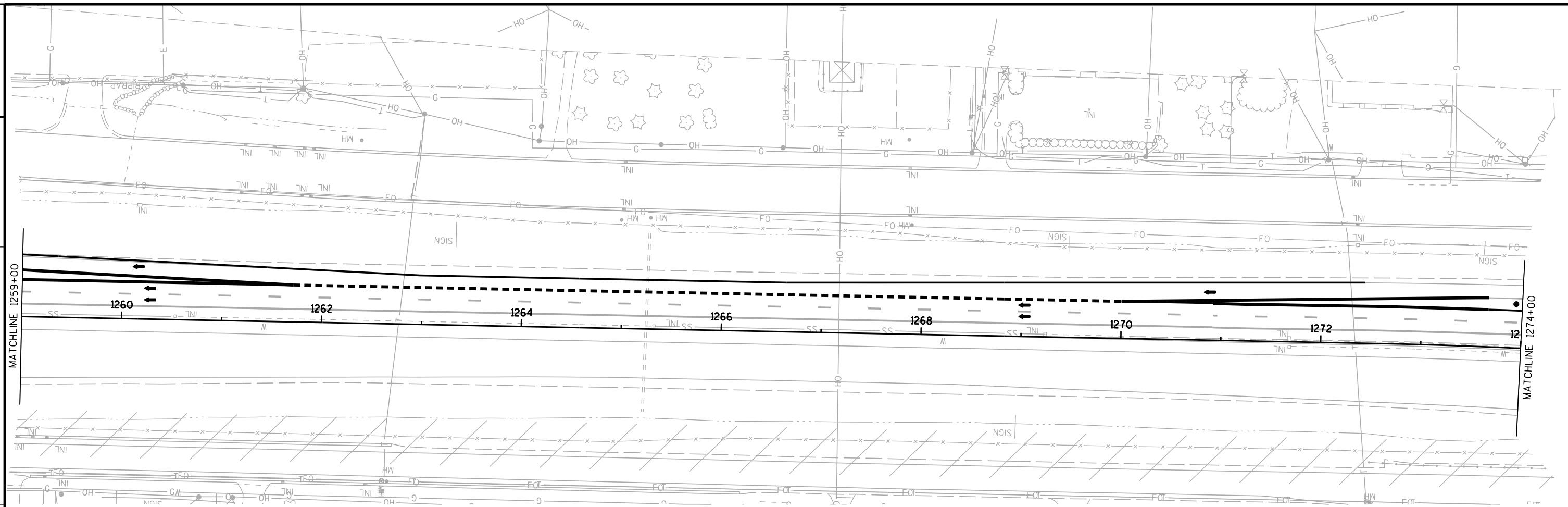


PAVEMENT MARKING LEGEND

- 2 PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- 3 PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP)
- 4 PAVEMENT MARKING EPOXY 8-INCH (DASHED WHITE)
(3 FT LINE 9 FT SKIP)
- 5 PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- 6 PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE)
- 10 PAVEMENT MARKING PAINT 4-INCH (YELLOW)
- 11 PAVEMENT MARKING PAINT 4-INCH (WHITE)
- 13 PAVEMENT MARKING PAINT 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP)
- 14 PAVEMENT MARKING PAINT 8-INCH (DOT PATTERN WHITE)
(3 FT LINE 9 FT SKIP)
- 23 WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (WHITE)
- 24 WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (YELLOW)

LEGEND

- | | | | |
|-----|---|----|---|
| ● | TRAFFIC CONTROL DRUM | | CONCRETE BARRIER TEMPORARY PRECAST |
| ⦿ | TRAFFIC CONTROL DRUM WITH
TYPE C STEADY BURN LIGHT | | WORK AREA |
| ⚡ | FLASHING ARROW BOARD | ◀ | TEMPORARY RAISED PAVEMENT MARKER
25' SPACING (ONE WAY REFLECTOR) |
| ⦿ | POST MOUNTED SIGN | ⬆ | TYPE III BARRICADE WITH ATTACHED SIGN |
| ⦿ | SIGN ON TEMPORARY SUPPORT | — | REMOVE PAVEMENT MARKING |
| ⦿ | FLEXIBLE/TUBULAR MARKER POST & BASE | CC | CRASH CUSHION TEMPORARY |
| ➔ | DIRECTION OF TRAFFIC | ⊖ | FIXED MESSAGE SIGN NUMBER |
| TBC | TEMPORARY THREE BEAM CONNECTION | | |

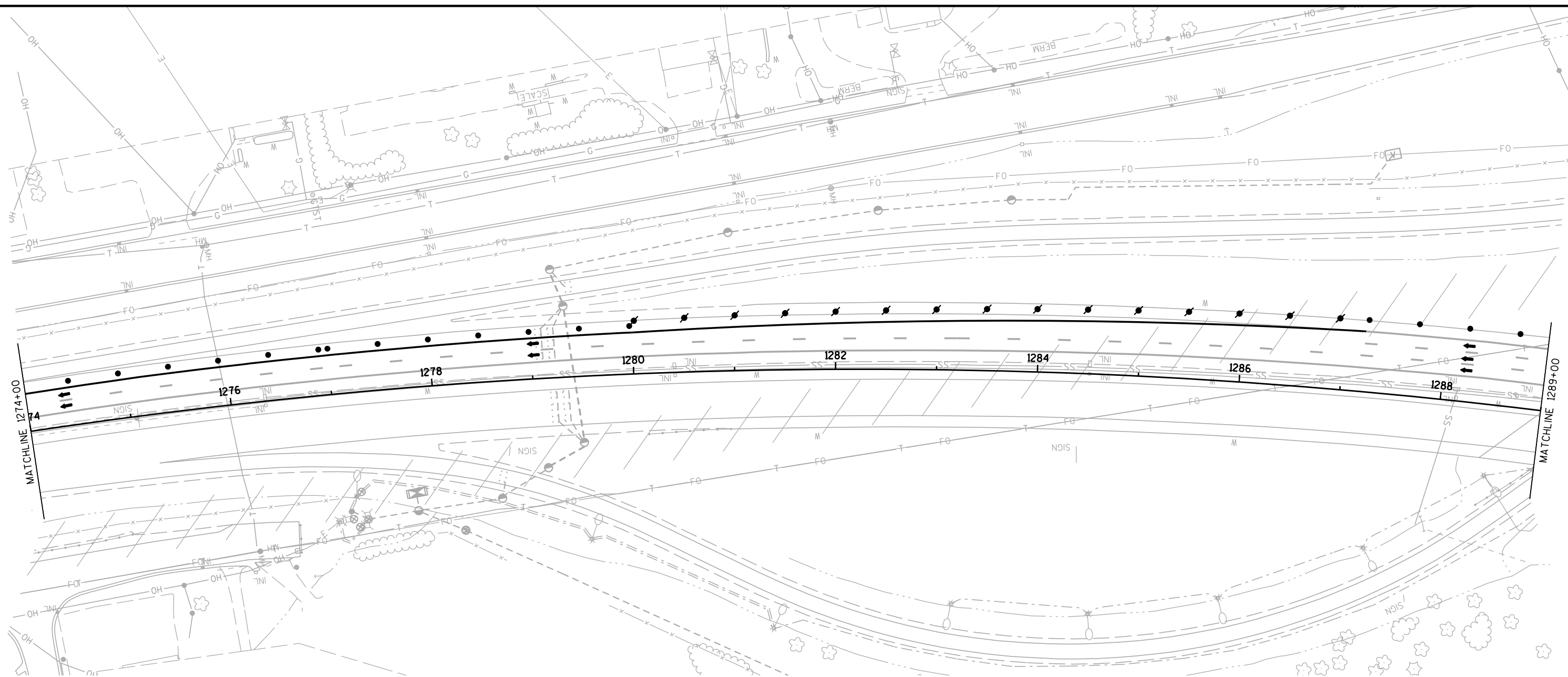


PAVEMENT MARKING LEGEND

- ② PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- ③ PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP)
- ④ PAVEMENT MARKING EPOXY 8-INCH (DASHED WHITE)
(3 FT LINE 9 FT SKIP)
- ⑤ PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- ⑥ PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE)
- ⑩ PAVEMENT MARKING PAINT 4-INCH (YELLOW)
- ⑪ PAVEMENT MARKING PAINT 4-INCH (WHITE)
- ⑬ PAVEMENT MARKING PAINT 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP)
- ⑭ PAVEMENT MARKING PAINT 8-INCH (DOT PATTERN WHITE)
(3 FT LINE 9 FT SKIP)
- ②③ WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (WHITE)
- ②④ WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (YELLOW)

LEGEND

- | | | | |
|---|---|---|---|
| ● | TRAFFIC CONTROL DRUM | | CONCRETE BARRIER TEMPORARY PRECAST |
| ⦿ | TRAFFIC CONTROL DRUM WITH
TYPE C STEADY BURN LIGHT | | WORK AREA |
| ⚡ | FLASHING ARROW BOARD | ◀ | TEMPORARY RAISED PAVEMENT MARKER
25' SPACING (ONE WAY REFLECTOR) |
| ⦿ | POST MOUNTED SIGN | ↑ | TYPE III BARRICADE WITH ATTACHED SIGN |
| ⦿ | SIGN ON TEMPORARY SUPPORT | — | REMOVE PAVEMENT MARKING |
| ⦿ | FLEXIBLE/TUBULAR MARKER POST & BASE | | CRASH CUSHION TEMPORARY |
| ➔ | DIRECTION OF TRAFFIC | | FIXED MESSAGE SIGN NUMBER |
| | TEMPORARY THREE BEAM CONNECTION | | |

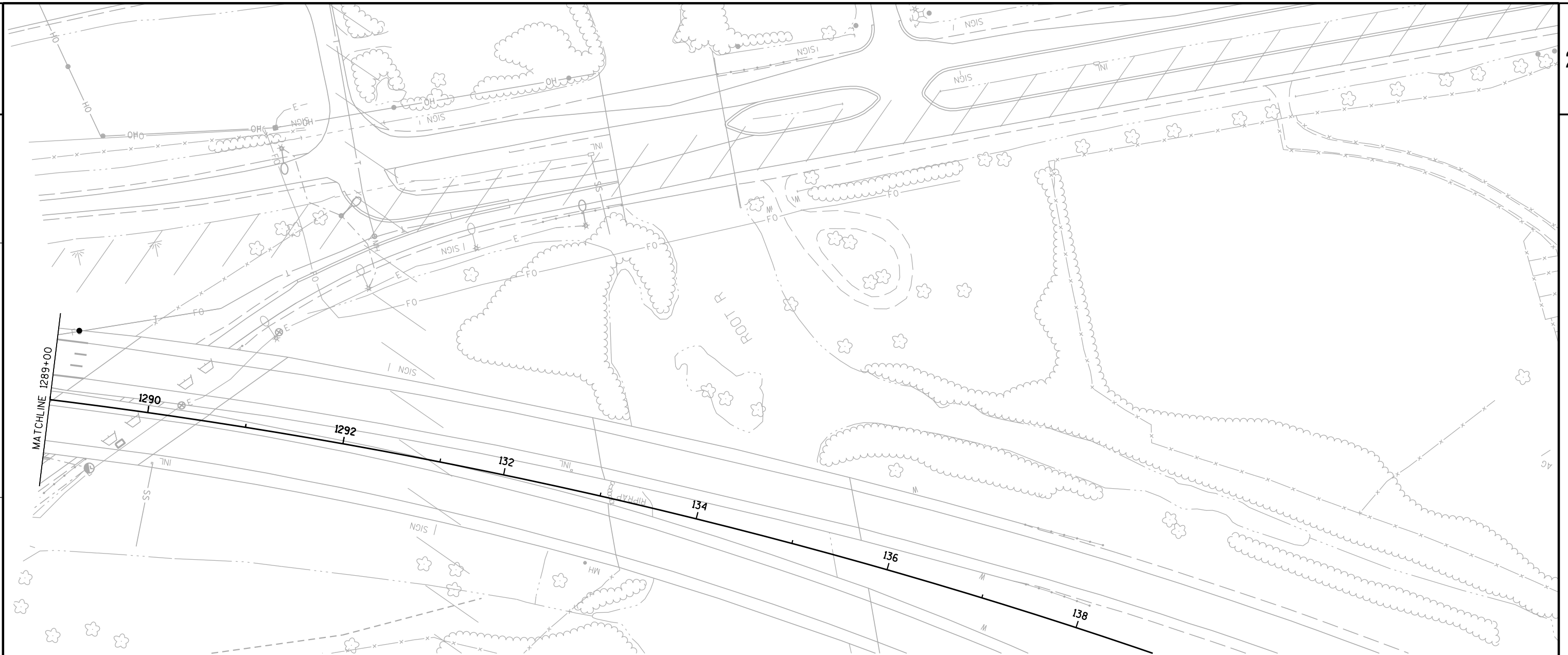


PAVEMENT MARKING LEGEND

- (2) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (3) PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP)
- (4) PAVEMENT MARKING EPOXY 8-INCH (DASHED WHITE)
(3 FT LINE 9 FT SKIP)
- (5) PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- (6) PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE)
- (10) PAVEMENT MARKING PAINT 4-INCH (YELLOW)
- (11) PAVEMENT MARKING PAINT 4-INCH (WHITE)
- (13) PAVEMENT MARKING PAINT 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP)
- (14) PAVEMENT MARKING PAINT 8-INCH (DOT PATTERN WHITE)
(3 FT LINE 9 FT SKIP)
- (23) WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (WHITE)
- (24) WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (YELLOW)

LEGEND

- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- ⚡ FLASHING ARROW BOARD
- ⚡ POST MOUNTED SIGN
- ⚡ SIGN ON TEMPORARY SUPPORT
- FLEXIBLE/TUBULAR MARKER POST & BASE
- ➡ DIRECTION OF TRAFFIC
- [TBC] TEMPORARY THRIE BEAM CONNECTION
- ▬ CONCRETE BARRIER TEMPORARY PRECAST
- ▨ WORK AREA
- ◀ TEMPORARY RAISED PAVEMENT MARKER 25' SPACING (ONE WAY REFLECTOR)
- ⚡ TYPE III BARRICADE WITH ATTACHED SIGN
- REMOVE PAVEMENT MARKING
- [CC] CRASH CUSHION TEMPORARY
- FIXED MESSAGE SIGN NUMBER

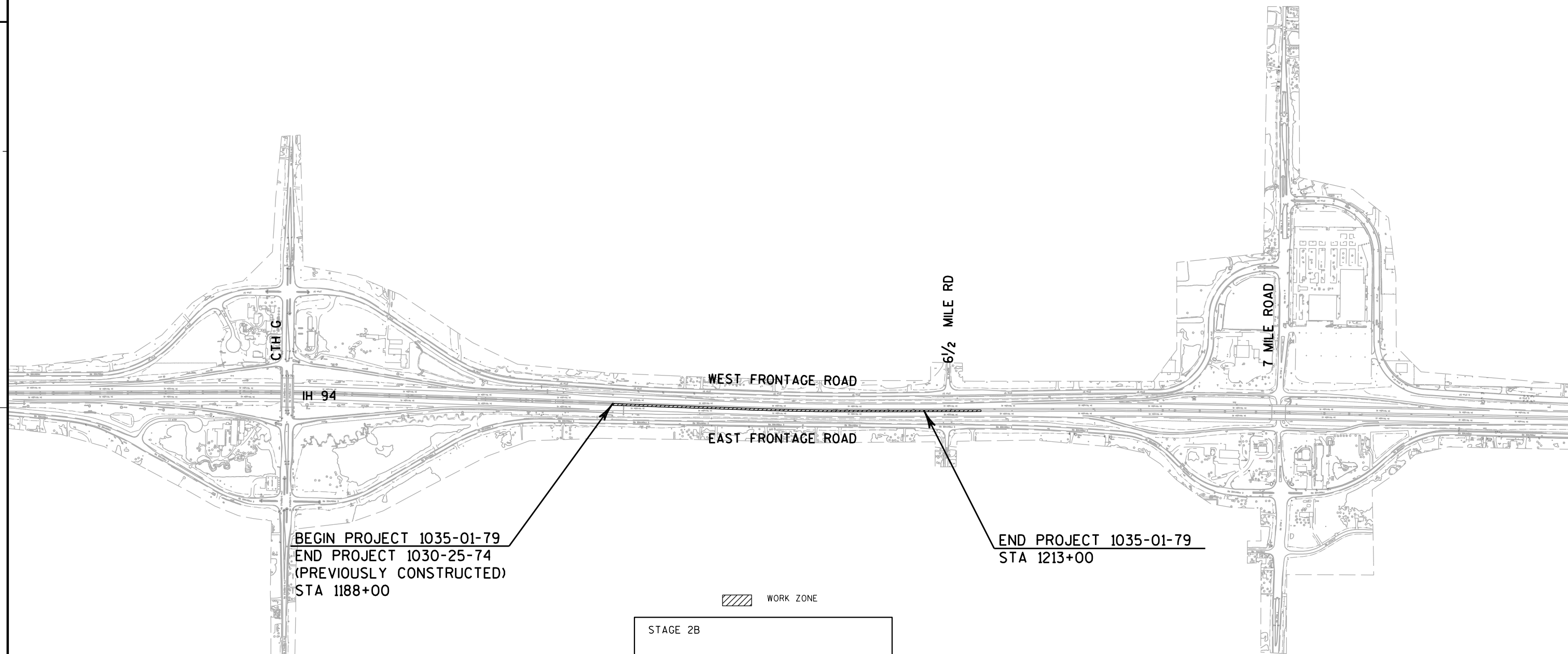


PAVEMENT MARKING LEGEND

- 2 PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- 3 PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP)
- 4 PAVEMENT MARKING EPOXY 8-INCH (DASHED WHITE)
(3 FT LINE 9 FT SKIP)
- 5 PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- 6 PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE)
- 10 PAVEMENT MARKING PAINT 4-INCH (YELLOW)
- 11 PAVEMENT MARKING PAINT 4-INCH (WHITE)
- 13 PAVEMENT MARKING PAINT 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP)
- 14 PAVEMENT MARKING PAINT 8-INCH (DOT PATTERN WHITE)
(3 FT LINE 9 FT SKIP)
- 23 WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (WHITE)
- 24 WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (YELLOW)

LEGEND

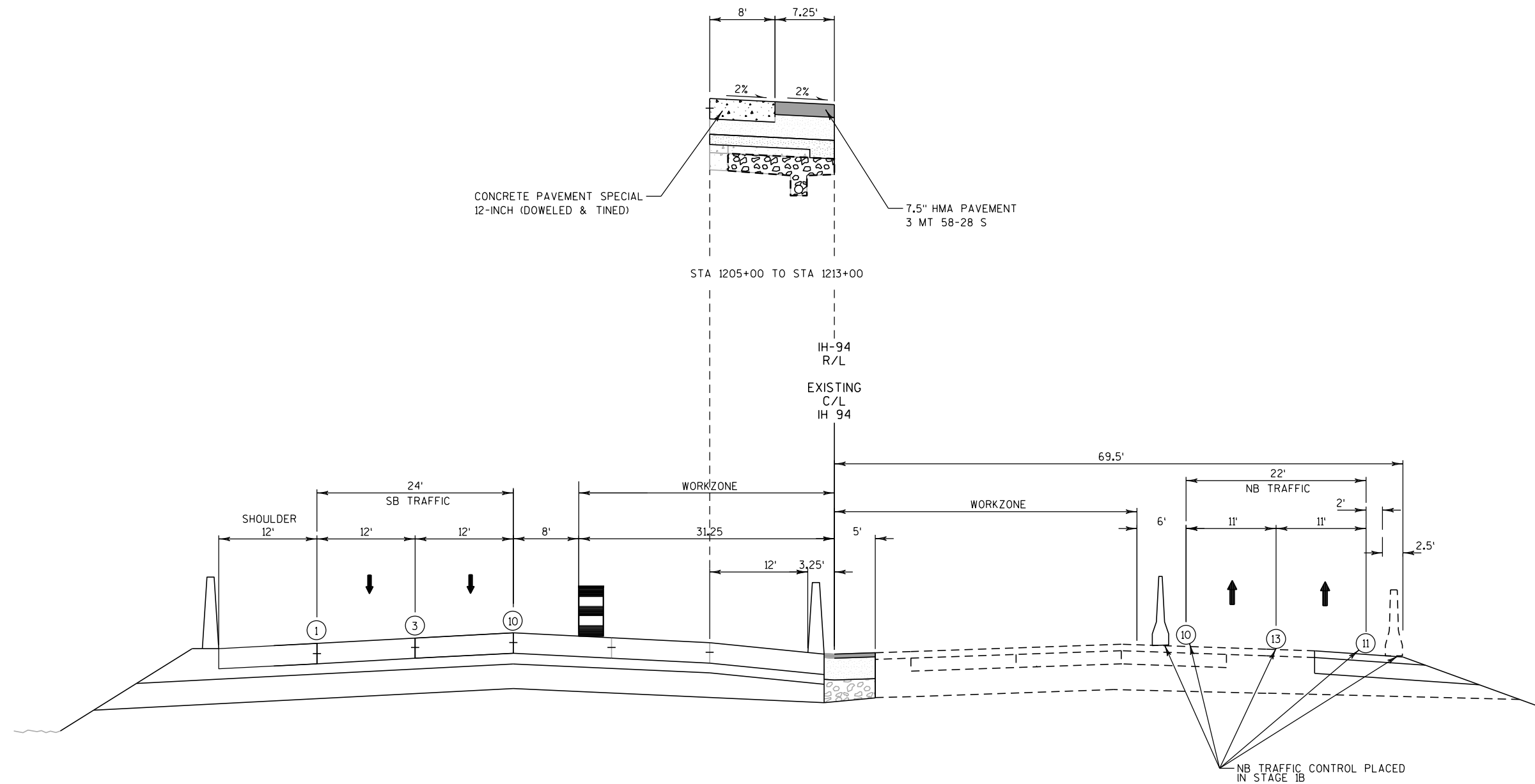
- | | | | |
|-----|---|------|---|
| ● | TRAFFIC CONTROL DRUM | ▬▬▬▬ | CONCRETE BARRIER TEMPORARY PRECAST |
| ● | TRAFFIC CONTROL DRUM WITH
TYPE C STEADY BURN LIGHT | ▨ | WORK AREA |
| ↔ | FLASHING ARROW BOARD | ◀ | TEMPORARY RAISED PAVEMENT MARKER
25' SPACING (ONE WAY REFLECTOR) |
| ⌋ | POST MOUNTED SIGN | ↑ | TYPE III BARRICADE WITH ATTACHED SIGN |
| ⌋ | SIGN ON TEMPORARY SUPPORT | — | REMOVE PAVEMENT MARKING |
| ○ | FLEXIBLE/TUBULAR MARKER POST & BASE | CC | CRASH CUSHION TEMPORARY |
| ➔ | DIRECTION OF TRAFFIC | ○ | FIXED MESSAGE SIGN NUMBER |
| TBC | TEMPORARY THREE BEAM CONNECTION | | |

**STAGE 2B****CONSTRUCTION**

- IH 94 SOUTHBOUND PAVEMENT TRANSITION IN MEDIAN
- INSTALL PERMANENT SIGNS PRIOR TO STAGE 3B AS APPROPRIATE
- PLACE TEMPORARY ASPHALT IN MEDIAN AND PREPARE WINTER SHUTDOWN

TRAFFIC

- TWO TRAFFIC LANES NORTHBOUND
- TWO TRAFFIC LANES SOUTHBOUND
- FRONTAGE ROADS REMAIN OPEN



TYPICAL STAGE 2B SECTION

IH 94

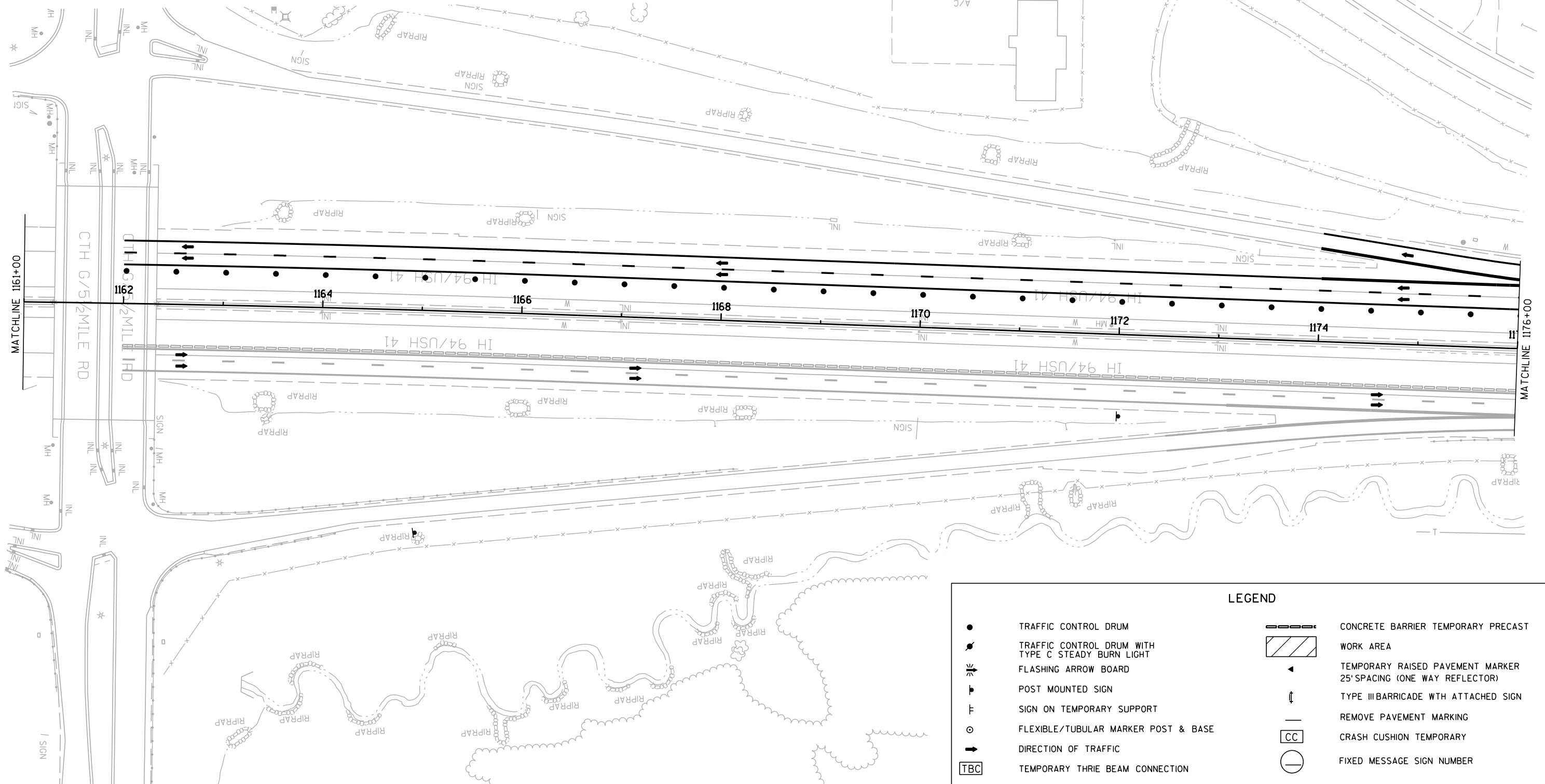
STA 1188+00 TO STA 1217+60

LEGEND

- ① PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- ② PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- ③ PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE) (12.5FT LINE 37.5 FT SKIP)
- GS GLARE SCREEN TEMPORARY

PAVEMENT MARKING LEGEND

- | | |
|---|--|
| 1 PAVEMENT MARKING EPOXY 4-INCH (YELLOW) | 10 PAVEMENT MARKING PAINT 4-INCH (YELLOW) |
| 2 PAVEMENT MARKING EPOXY 4-INCH (WHITE) | 11 PAVEMENT MARKING PAINT 4-INCH (WHITE) |
| 3 PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP) | 13 PAVEMENT MARKING PAINT 4-INCH (DASHED WHITE)
(12.5-FT LINE 37.5-FT SKIP) |
| 4 PAVEMENT MARKING EPOXY 8-INCH (DASHED WHITE)
(3 FT LINE 9 FT SKIP) | 14 PAVEMENT MARKING PAINT 8-INCH (DOT PATTERN WHITE)
(3 FT LINE 9 FT SKIP) |
| 5 PAVEMENT MARKING EPOXY 8-INCH (WHITE) | 23 WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (WHITE) |
| 6 PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE) | 24 WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (YELLOW) |



PROJECT NO: 1035-01-79

HWY: IH 94

COUNTY: RACINE

TRAFFIC CONTROL- STAGE 2B

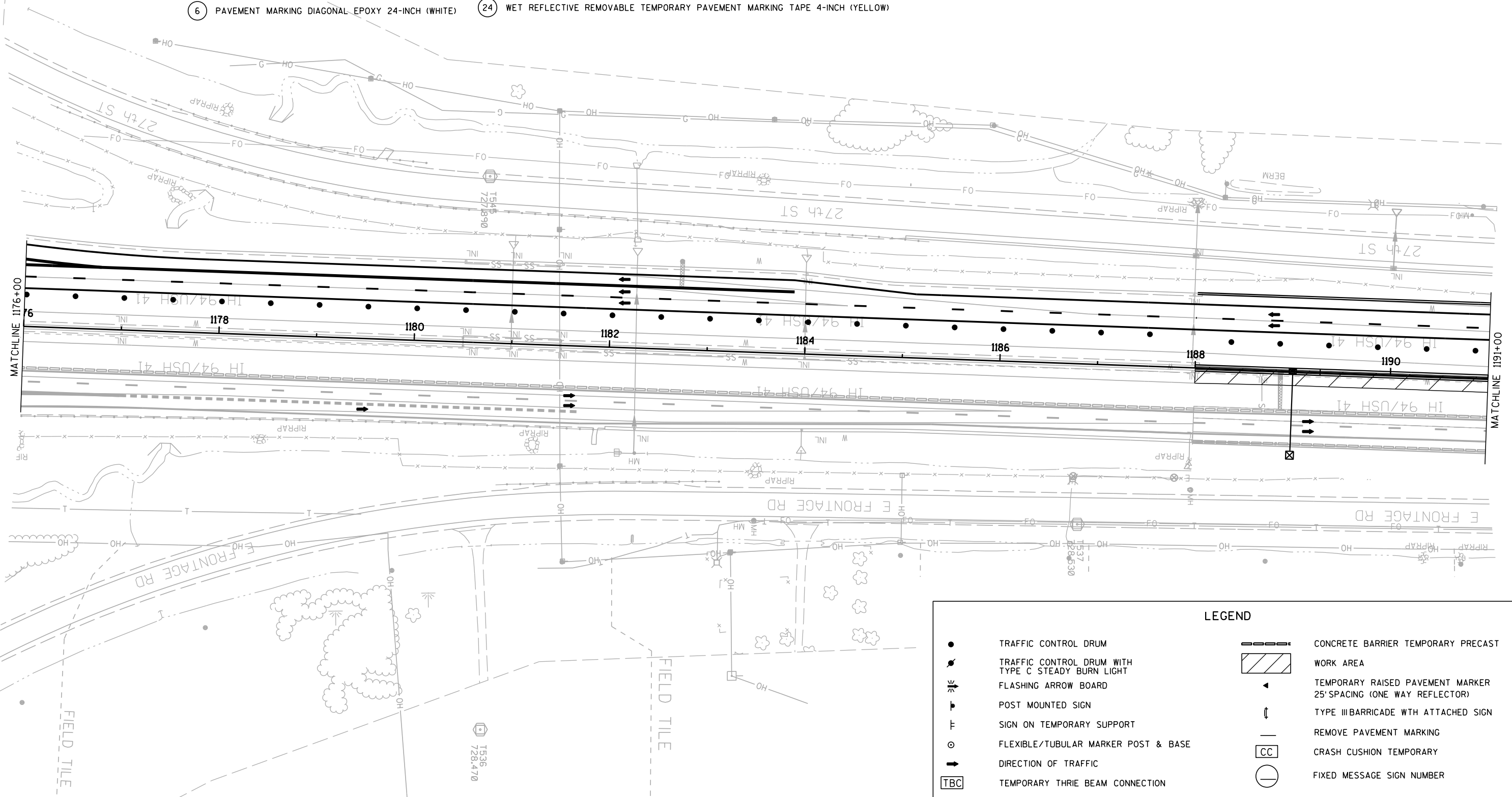
SHEET

PRE_122

E

PAVEMENT MARKING LEGEND

- | | |
|---|--|
| 1 PAVEMENT MARKING EPOXY 4-INCH (YELLOW) | 10 PAVEMENT MARKING PAINT 4-INCH (YELLOW) |
| 2 PAVEMENT MARKING EPOXY 4-INCH (WHITE) | 11 PAVEMENT MARKING PAINT 4-INCH (WHITE) |
| 3 PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP) | 13 PAVEMENT MARKING PAINT 4-INCH (DASHED WHITE)
(12.5-FT LINE 37.5-FT SKIP) |
| 4 PAVEMENT MARKING EPOXY 8-INCH (DASHED WHITE)
(3 FT LINE 9 FT SKIP) | 14 PAVEMENT MARKING PAINT 8-INCH (DOT PATTERN WHITE)
(3 FT LINE 9 FT SKIP) |
| 5 PAVEMENT MARKING EPOXY 8-INCH (WHITE) | 23 WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (WHITE) |
| 6 PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE) | 24 WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (YELLOW) |



LEGEND

- | | | | |
|-----|---|----|---|
| ● | TRAFFIC CONTROL DRUM | ▨ | CONCRETE BARRIER TEMPORARY PRECAST |
| ● | TRAFFIC CONTROL DRUM WITH
TYPE C STEADY BURN LIGHT | ▨ | WORK AREA |
| ⚡ | FLASHING ARROW BOARD | ◀ | TEMPORARY RAISED PAVEMENT MARKER
25' SPACING (ONE WAY REFLECTOR) |
| ⚡ | POST MOUNTED SIGN | ↑ | TYPE III BARRICADE WITH ATTACHED SIGN |
| ⚡ | SIGN ON TEMPORARY SUPPORT | — | REMOVE PAVEMENT MARKING |
| ○ | FLEXIBLE/TUBULAR MARKER POST & BASE | CC | CRASH CUSHION TEMPORARY |
| → | DIRECTION OF TRAFFIC | ○ | FIXED MESSAGE SIGN NUMBER |
| TBC | TEMPORARY THREE BEAM CONNECTION | | |

PROJECT NO: 1035-01-79

HWY: IH 94

COUNTY: RACINE

TRAFFIC CONTROL - STAGE 2B

SHEET

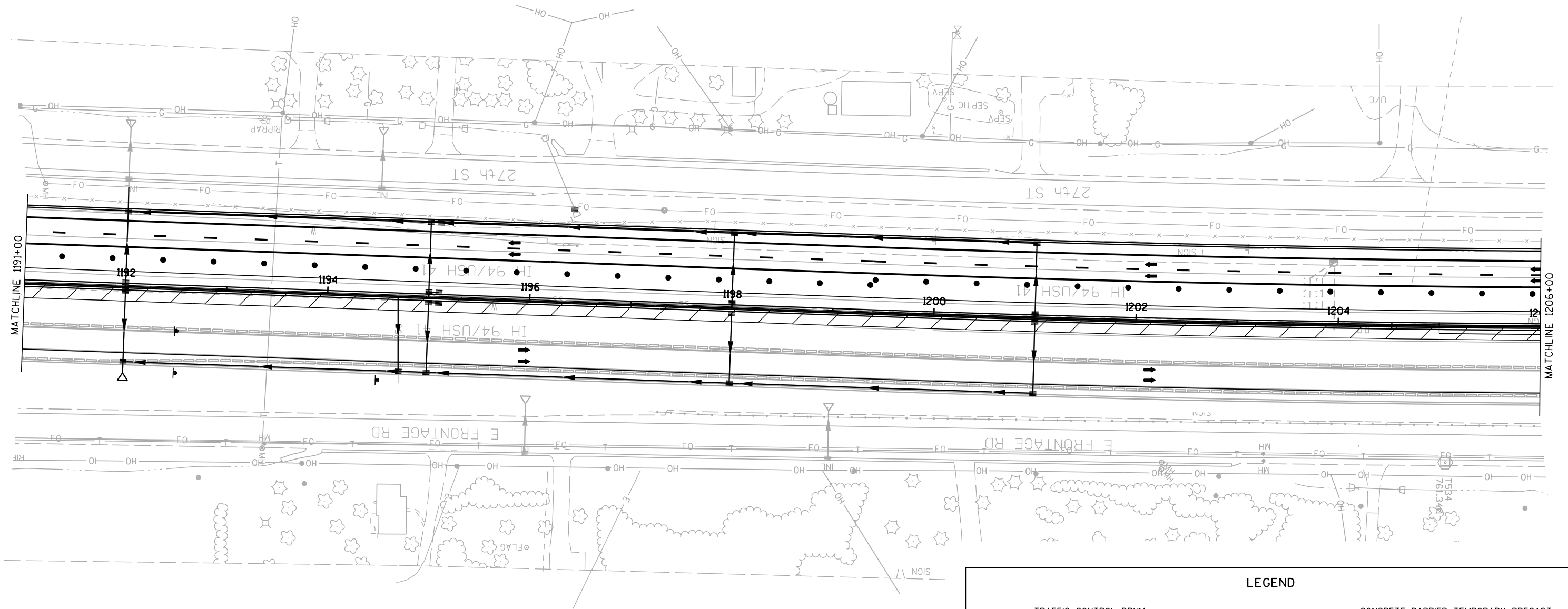
PRE_123

E

PAVEMENT MARKING LEGEND

- | | |
|---|--|
| 1 PAVEMENT MARKING EPOXY 4-INCH (YELLOW) | 10 PAVEMENT MARKING PAINT 4-INCH (YELLOW) |
| 2 PAVEMENT MARKING EPOXY 4-INCH (WHITE) | 11 PAVEMENT MARKING PAINT 4-INCH (WHITE) |
| 3 PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP) | 13 PAVEMENT MARKING PAINT 4-INCH (DASHED WHITE)
(12.5-FT LINE 37.5-FT SKIP) |
| 4 PAVEMENT MARKING EPOXY 8-INCH (DASHED WHITE)
(3 FT LINE 9 FT SKIP) | 14 PAVEMENT MARKING PAINT 8-INCH (DOT PATTERN WHITE)
(3 FT LINE 9 FT SKIP) |
| 5 PAVEMENT MARKING EPOXY 8-INCH (WHITE) | 23 WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (WHITE) |
| 6 PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE) | 24 WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (YELLOW) |

1532
747.460



LEGEND

●	TRAFFIC CONTROL DRUM	▨	CONCRETE BARRIER TEMPORARY PRECAST
●	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	▨	WORK AREA
⚡	FLASHING ARROW BOARD	◀	TEMPORARY RAISED PAVEMENT MARKER 25' SPACING (ONE WAY REFLECTOR)
⚓	POST MOUNTED SIGN	↑	TYPE III BARRICADE WITH ATTACHED SIGN
⚓	SIGN ON TEMPORARY SUPPORT	—	REMOVE PAVEMENT MARKING
○	FLEXIBLE/TUBULAR MARKER POST & BASE	CC	CRASH CUSHION TEMPORARY
➡	DIRECTION OF TRAFFIC	○	FIXED MESSAGE SIGN NUMBER
TBC	TEMPORARY THREE BEAM CONNECTION		

PAVEMENT MARKING LEGEND

- 1

PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- 2

PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- 3

PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP)
- 4

PAVEMENT MARKING EPOXY 8-INCH (DASHED WHITE)
(3 FT LINE 9 FT SKIP)
- 5

PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- 6

PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE)
- 10

PAVEMENT MARKING PAINT 4-INCH (YELLOW)
- 11

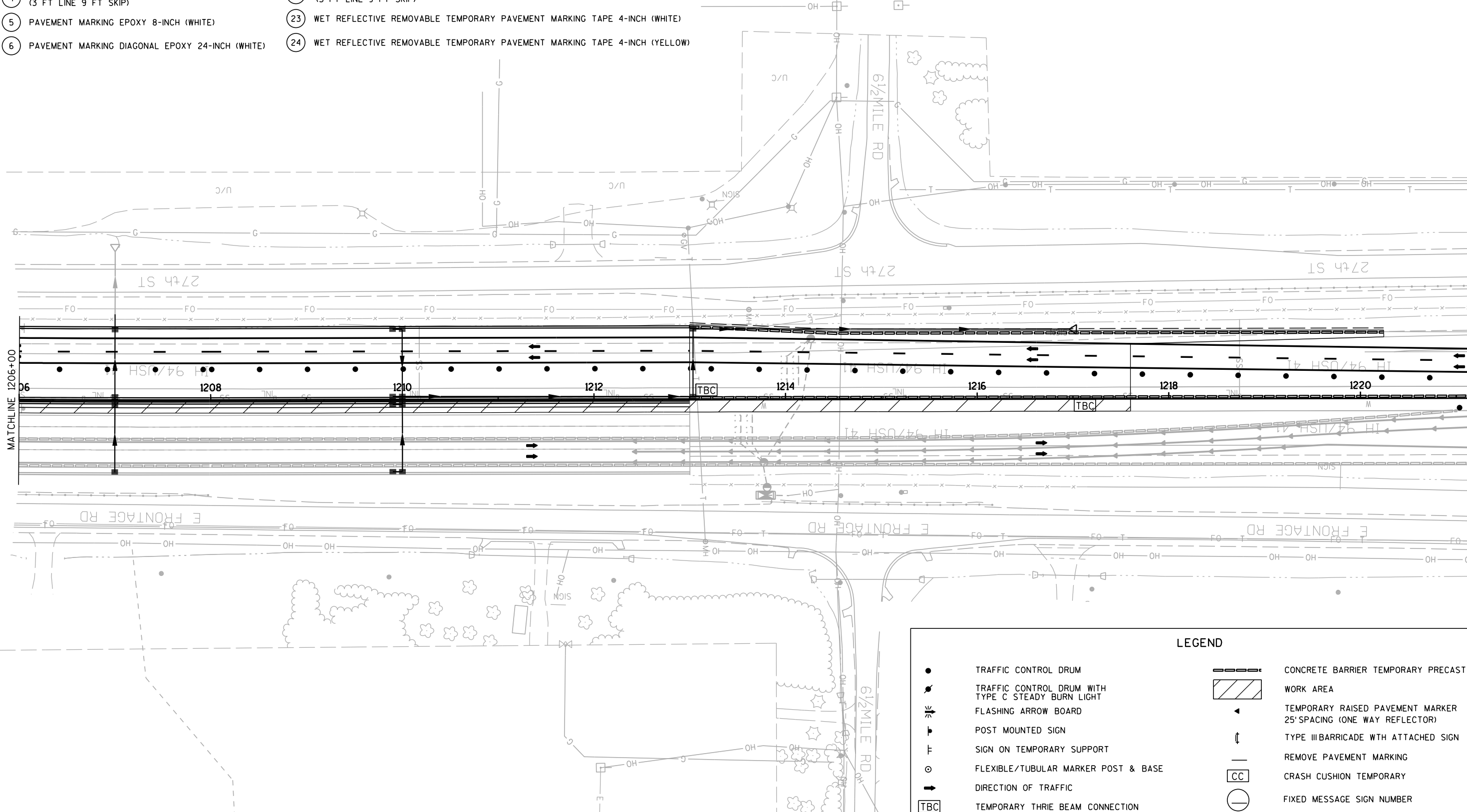
PAVEMENT MARKING PAINT 4-INCH (WHITE)
- 13

PAVEMENT MARKING PAINT 4-INCH (DASHED WHITE)
(12.5-FT LINE 37.5-FT SKIP)
- 14

PAVEMENT MARKING PAINT 8-INCH (DOT PATTERN WHITE)
(3 FT LINE 9 FT SKIP)
- 23

WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (WHITE)
- 24

WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (YELLOW)



LEGEND

●

TRAFFIC CONTROL DRUM

●

TRAFFIC CONTROL DRUM WITH
TYPE C STEADY BURN LIGHT

↗

FLASHING ARROW BOARD

▲

POST MOUNTED SIGN

⊥

SIGN ON TEMPORARY SUPPORT

○

FLEXIBLE/TUBULAR MARKER POST & BASE

→

DIRECTION OF TRAFFIC

TBC

TEMPORARY THRIE BEAM CONNECTION

▬▬▬▬

CONCRETE BARRIER TEMPORARY PRECAST

▨

WORK AREA

◀

TEMPORARY RAISED PAVEMENT MARKER
25' SPACING (ONE WAY REFLECTOR)

↑

TYPE III BARRICADE WITH ATTACHED SIGN

—

REMOVE PAVEMENT MARKING

CC

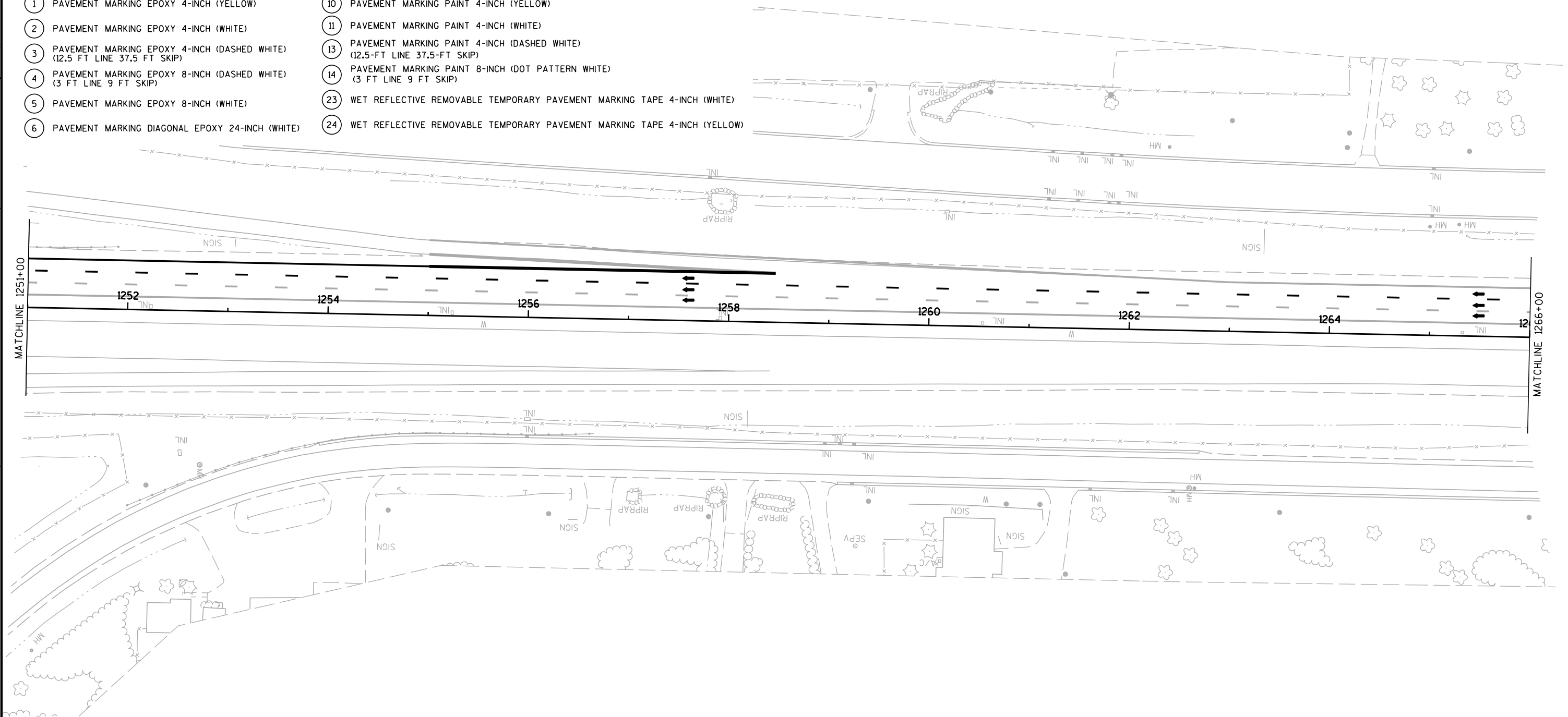
CRASH CUSHION TEMPORARY

◯

FIXED MESSAGE SIGN NUMBER

PAVEMENT MARKING LEGEND

- | | |
|---|--|
| 1 PAVEMENT MARKING EPOXY 4-INCH (YELLOW) | 10 PAVEMENT MARKING PAINT 4-INCH (YELLOW) |
| 2 PAVEMENT MARKING EPOXY 4-INCH (WHITE) | 11 PAVEMENT MARKING PAINT 4-INCH (WHITE) |
| 3 PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP) | 13 PAVEMENT MARKING PAINT 4-INCH (DASHED WHITE)
(12.5-FT LINE 37.5-FT SKIP) |
| 4 PAVEMENT MARKING EPOXY 8-INCH (DASHED WHITE)
(3 FT LINE 9 FT SKIP) | 14 PAVEMENT MARKING PAINT 8-INCH (DOT PATTERN WHITE)
(3 FT LINE 9 FT SKIP) |
| 5 PAVEMENT MARKING EPOXY 8-INCH (WHITE) | 23 WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (WHITE) |
| 6 PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE) | 24 WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (YELLOW) |



LEGEND

- | | | | |
|-----|---|------|---|
| ● | TRAFFIC CONTROL DRUM | ▬▬▬▬ | CONCRETE BARRIER TEMPORARY PRECAST |
| ● | TRAFFIC CONTROL DRUM WITH
TYPE C STEADY BURN LIGHT | ▨ | WORK AREA |
| ⚡ | FLASHING ARROW BOARD | ◀ | TEMPORARY RAISED PAVEMENT MARKER
25' SPACING (ONE WAY REFLECTOR) |
| ♣ | POST MOUNTED SIGN | ↑ | TYPE III BARRICADE WITH ATTACHED SIGN |
| ⌄ | SIGN ON TEMPORARY SUPPORT | — | REMOVE PAVEMENT MARKING |
| ⊙ | FLEXIBLE/TUBULAR MARKER POST & BASE | CC | CRASH CUSHION TEMPORARY |
| ➡ | DIRECTION OF TRAFFIC | ○ | FIXED MESSAGE SIGN NUMBER |
| TBC | TEMPORARY THREE BEAM CONNECTION | | |



PAVEMENT MARKING LEGEND

- | | |
|---|--|
| 1 PAVEMENT MARKING EPOXY 4-INCH (YELLOW) | 10 PAVEMENT MARKING PAINT 4-INCH (YELLOW) |
| 2 PAVEMENT MARKING EPOXY 4-INCH (WHITE) | 11 PAVEMENT MARKING PAINT 4-INCH (WHITE) |
| 3 PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP) | 13 PAVEMENT MARKING PAINT 4-INCH (DASHED WHITE)
(12.5-FT LINE 37.5-FT SKIP) |
| 4 PAVEMENT MARKING EPOXY 8-INCH (DASHED WHITE)
(3 FT LINE 9 FT SKIP) | 14 PAVEMENT MARKING PAINT 8-INCH (DOT PATTERN WHITE)
(3 FT LINE 9 FT SKIP) |
| 5 PAVEMENT MARKING EPOXY 8-INCH (WHITE) | 23 WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (WHITE) |
| 6 PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE) | 24 WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (YELLOW) |

LEGEND

- | | | | |
|-----|---|------|---|
| ● | TRAFFIC CONTROL DRUM | ▬▬▬▬ | CONCRETE BARRIER TEMPORARY PRECAST |
| ⦿ | TRAFFIC CONTROL DRUM WITH
TYPE C STEADY BURN LIGHT | ▨ | WORK AREA |
| ⚡ | FLASHING ARROW BOARD | ◀ | TEMPORARY RAISED PAVEMENT MARKER
25' SPACING (ONE WAY REFLECTOR) |
| ♣ | POST MOUNTED SIGN | ↑ | TYPE III BARRICADE WITH ATTACHED SIGN |
| ⌄ | SIGN ON TEMPORARY SUPPORT | — | REMOVE PAVEMENT MARKING |
| ⊙ | FLEXIBLE/TUBULAR MARKER POST & BASE | CC | CRASH CUSHION TEMPORARY |
| ➔ | DIRECTION OF TRAFFIC | ○ | FIXED MESSAGE SIGN NUMBER |
| TBC | TEMPORARY THREE BEAM CONNECTION | | |

PROJECT NO: 1035-01-79

HWY: IH 94

COUNTY: RACINE

TRAFFIC CONTROL- STAGE 2B

SHEET

PRE_127

E

FILE NAME : Z:\Racine\CADD\20\20M\CDS\025024b_fc-2B.dgn

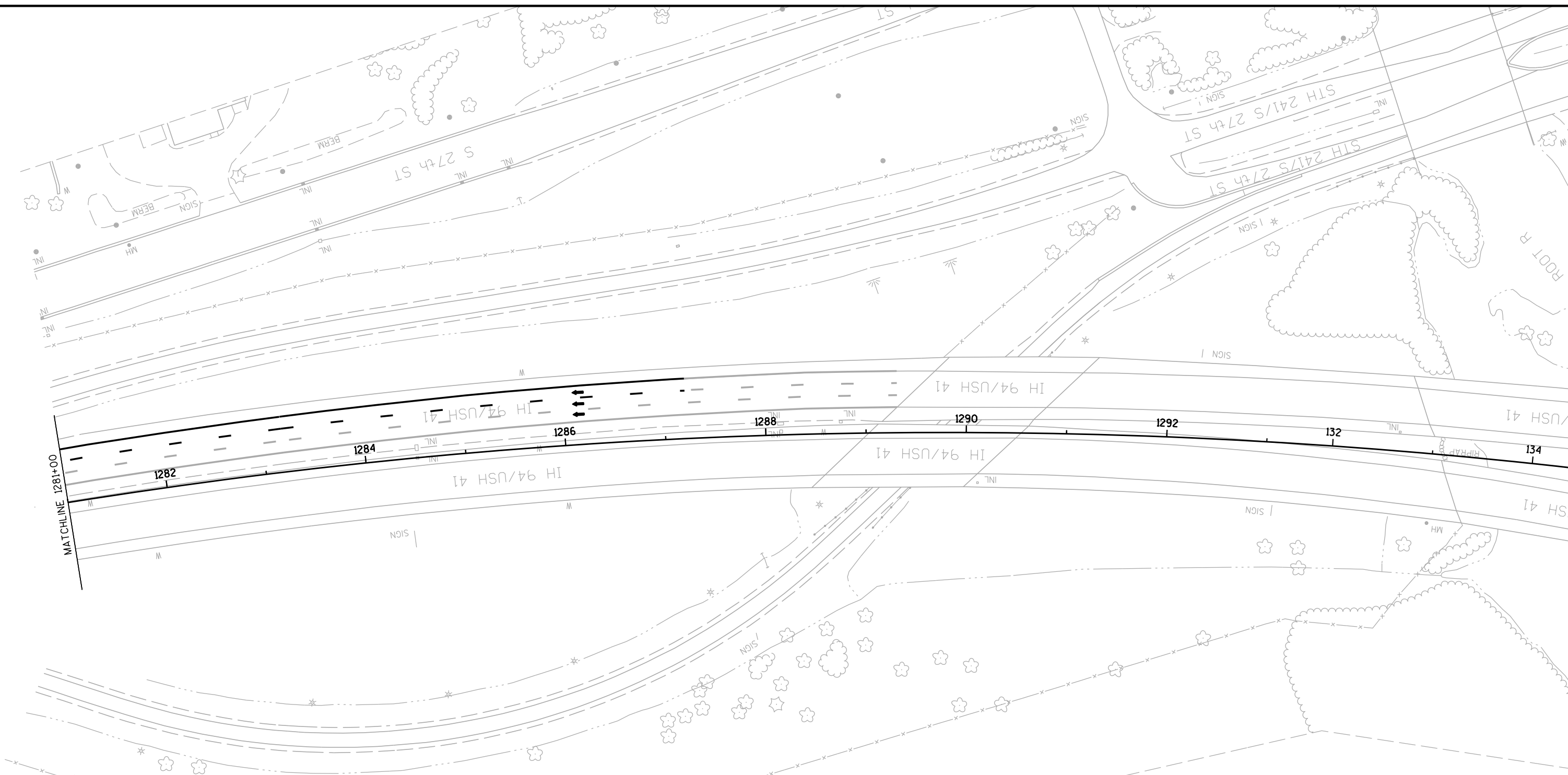
PLOT DATE : 6/14/2017

PLOT BY : heather.stabo

PLOT NAME :

PLOT SCALE : 1:100

WISDOT/CADD SHEET 42

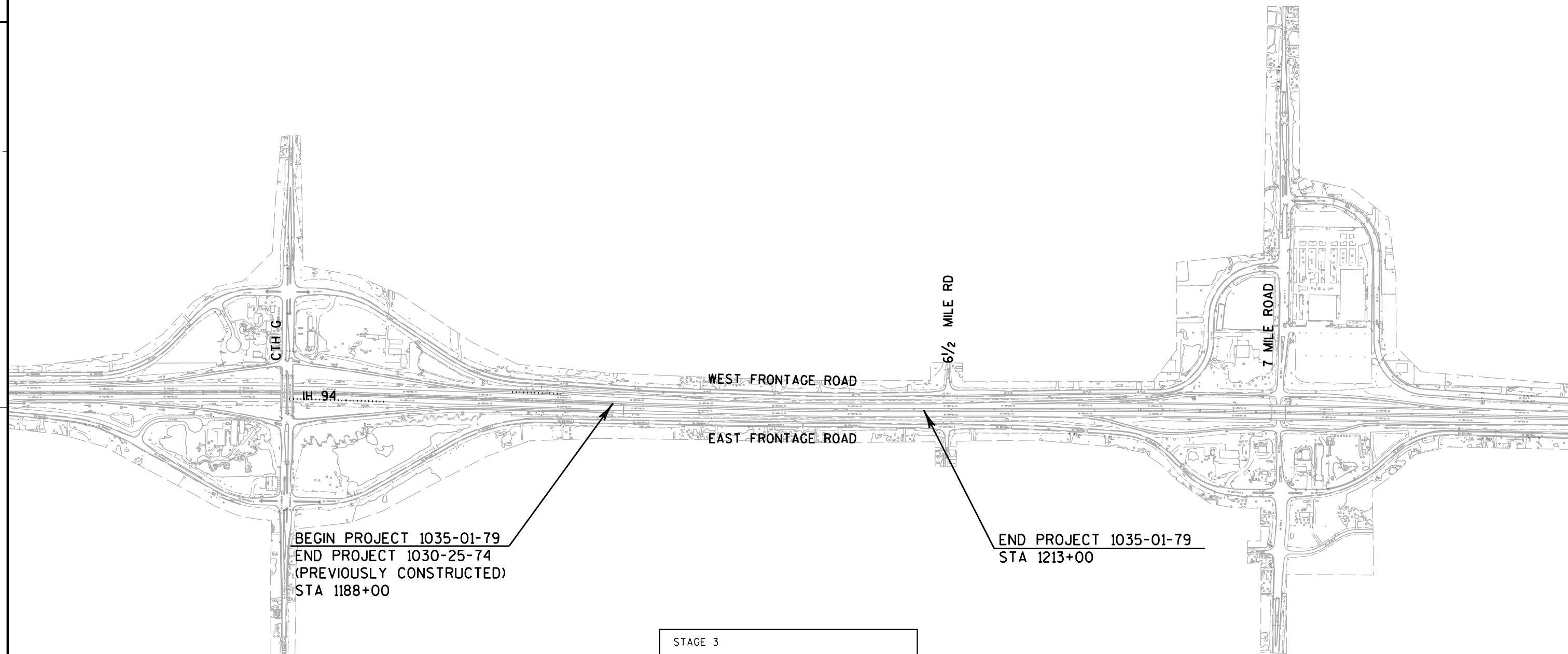


PAVEMENT MARKING LEGEND

- | | |
|---|--|
| 1 PAVEMENT MARKING EPOXY 4-INCH (YELLOW) | 10 PAVEMENT MARKING PAINT 4-INCH (YELLOW) |
| 2 PAVEMENT MARKING EPOXY 4-INCH (WHITE) | 11 PAVEMENT MARKING PAINT 4-INCH (WHITE) |
| 3 PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP) | 13 PAVEMENT MARKING PAINT 4-INCH (DASHED WHITE)
(12.5-FT LINE 37.5-FT SKIP) |
| 4 PAVEMENT MARKING EPOXY 8-INCH (DASHED WHITE)
(3 FT LINE 9 FT SKIP) | 14 PAVEMENT MARKING PAINT 8-INCH (DOT PATTERN WHITE)
(3 FT LINE 9 FT SKIP) |
| 5 PAVEMENT MARKING EPOXY 8-INCH (WHITE) | 23 WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (WHITE) |
| 6 PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE) | 24 WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (YELLOW) |

LEGEND

- | | | | |
|-----|---|------|---|
| ● | TRAFFIC CONTROL DRUM | ▬▬▬▬ | CONCRETE BARRIER TEMPORARY PRECAST |
| ● | TRAFFIC CONTROL DRUM WITH
TYPE C STEADY BURN LIGHT | ▨ | WORK AREA |
| ⚡ | FLASHING ARROW BOARD | ◀ | TEMPORARY RAISED PAVEMENT MARKER
25' SPACING (ONE WAY REFLECTOR) |
| ♣ | POST MOUNTED SIGN | ↑ | TYPE III BARRICADE WITH ATTACHED SIGN |
| ⌄ | SIGN ON TEMPORARY SUPPORT | — | REMOVE PAVEMENT MARKING |
| ⊙ | FLEXIBLE/TUBULAR MARKER POST & BASE | CC | CRASH CUSHION TEMPORARY |
| ➔ | DIRECTION OF TRAFFIC | ○ | FIXED MESSAGE SIGN NUMBER |
| TBC | TEMPORARY THREE BEAM CONNECTION | | |



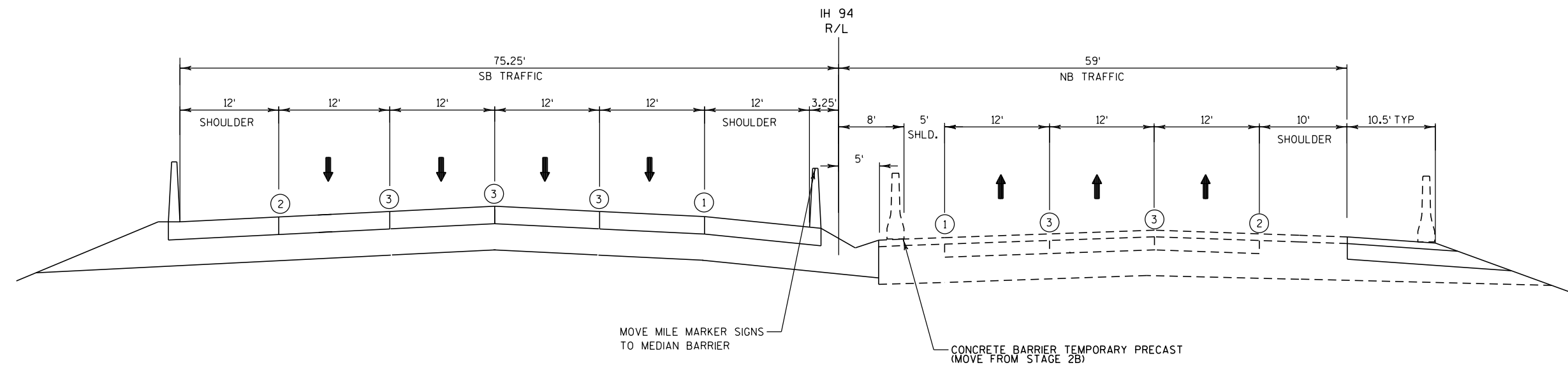
BEGIN PROJECT 1035-01-79
END PROJECT 1030-25-74
(PREVIOUSLY CONSTRUCTED)
STA 1188+00

END PROJECT 1035-01-79
STA 1213+00

STAGE 3

CONSTRUCTION
-WINTER SHUTDOWN, NO CONSTRUCTION

TRAFFIC
-THREE TRAFFIC LANES NORTHBOUND
-THREE TRAFFIC LANES SOUTHBOUND
-FRONTAGE ROADS REMAIN OPEN

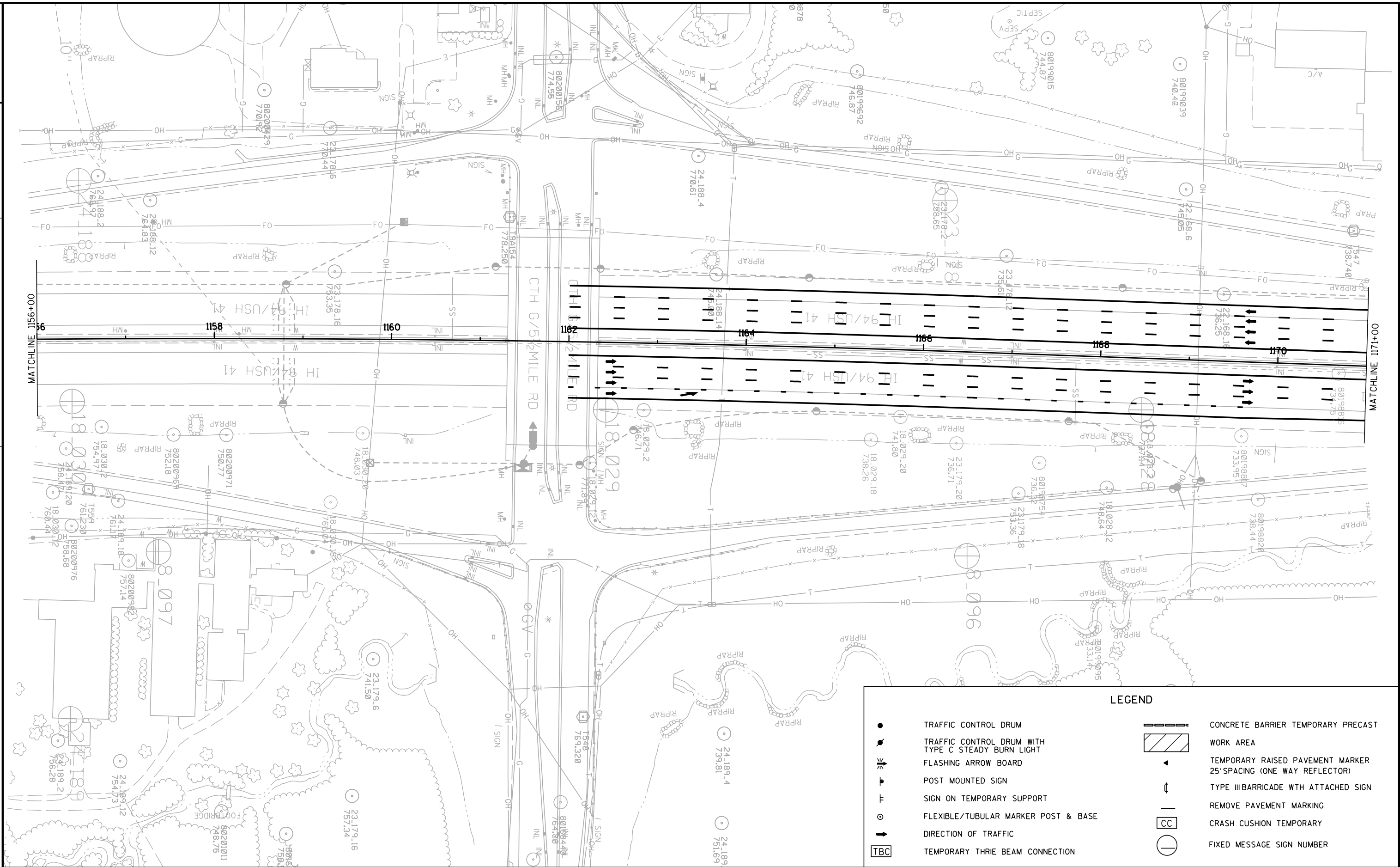


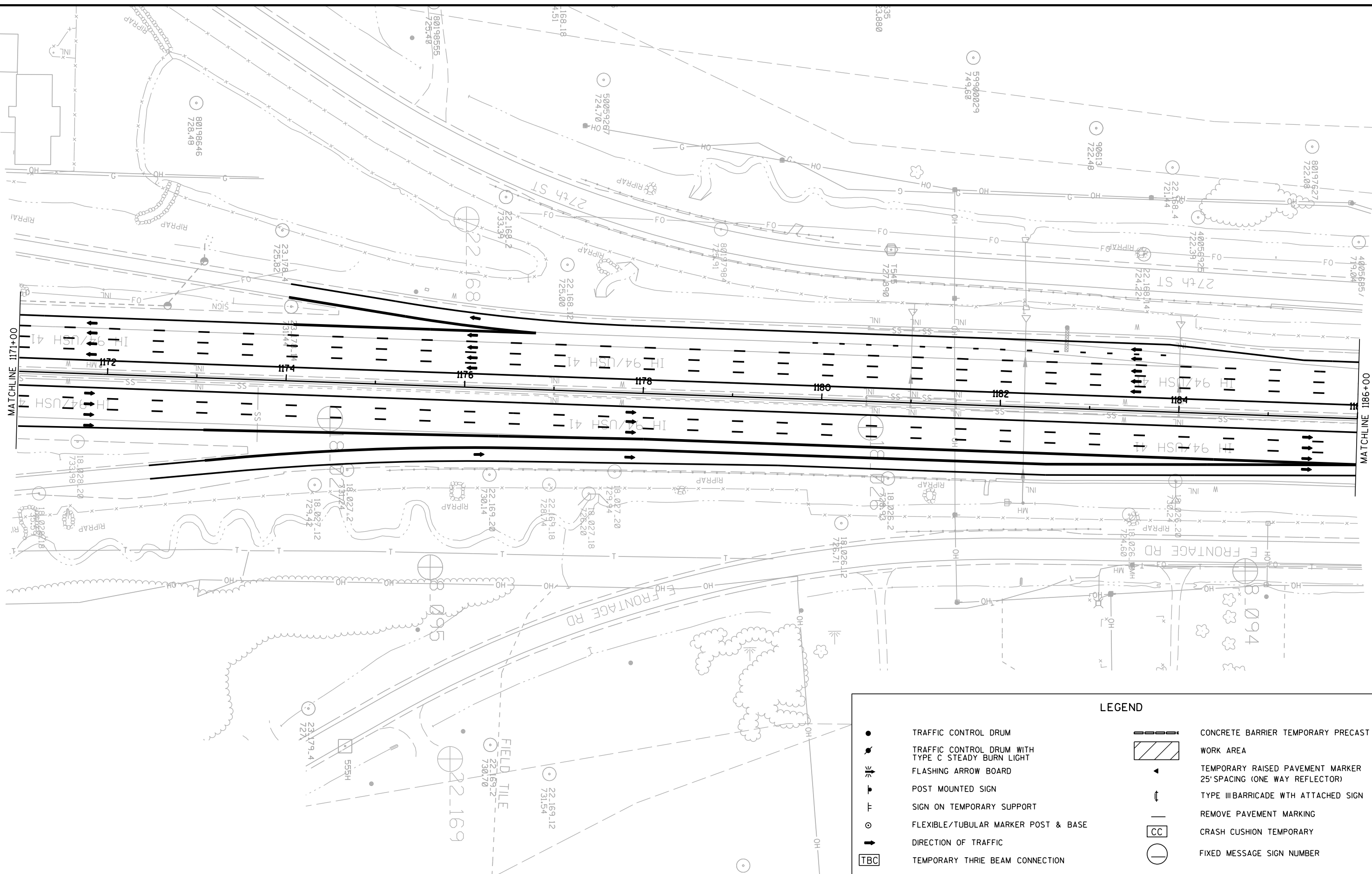
**TYPICAL SECTION
STAGE 3B**

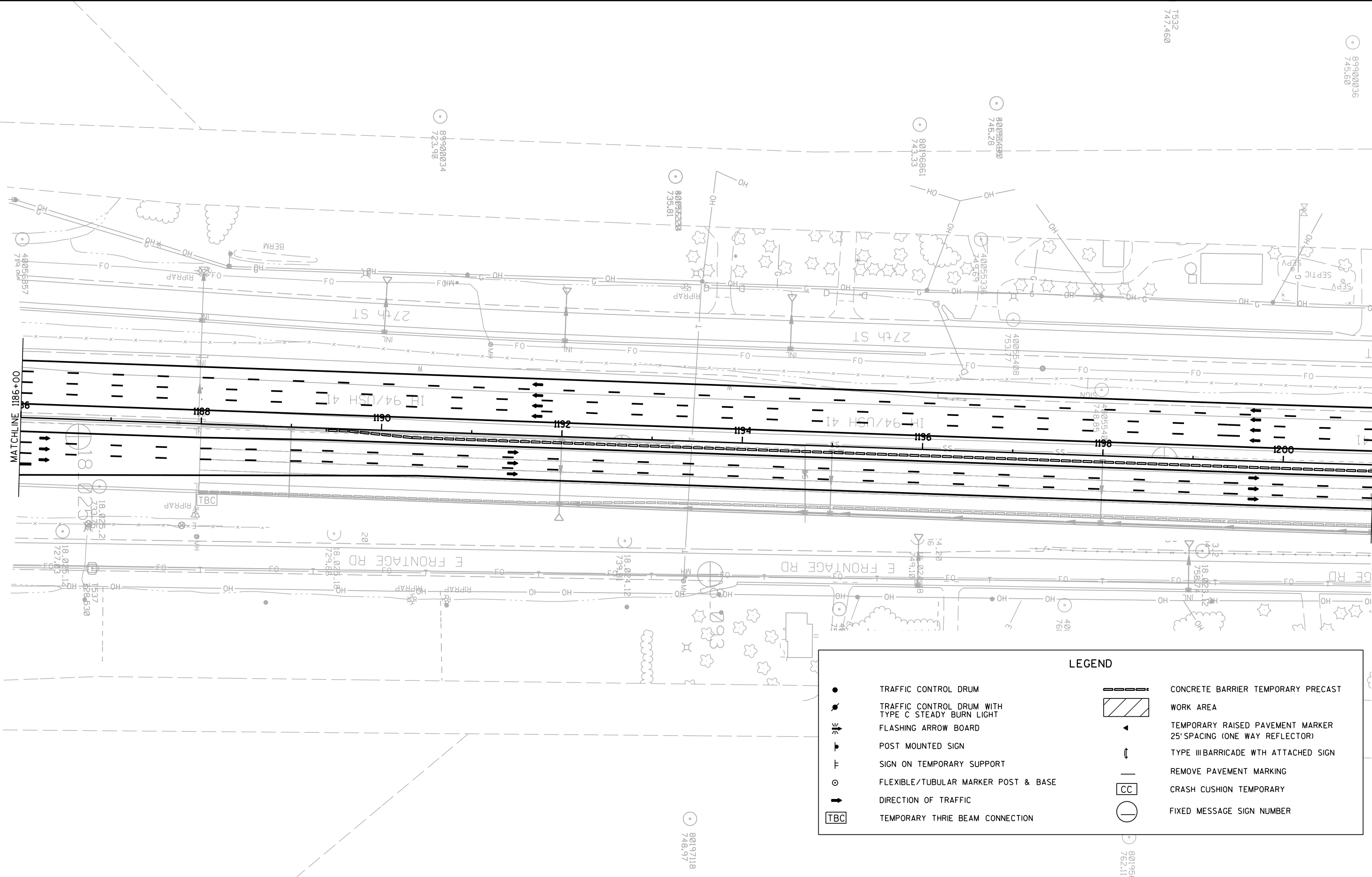
IH 94
STA 1188+00 TO STA 1213+00

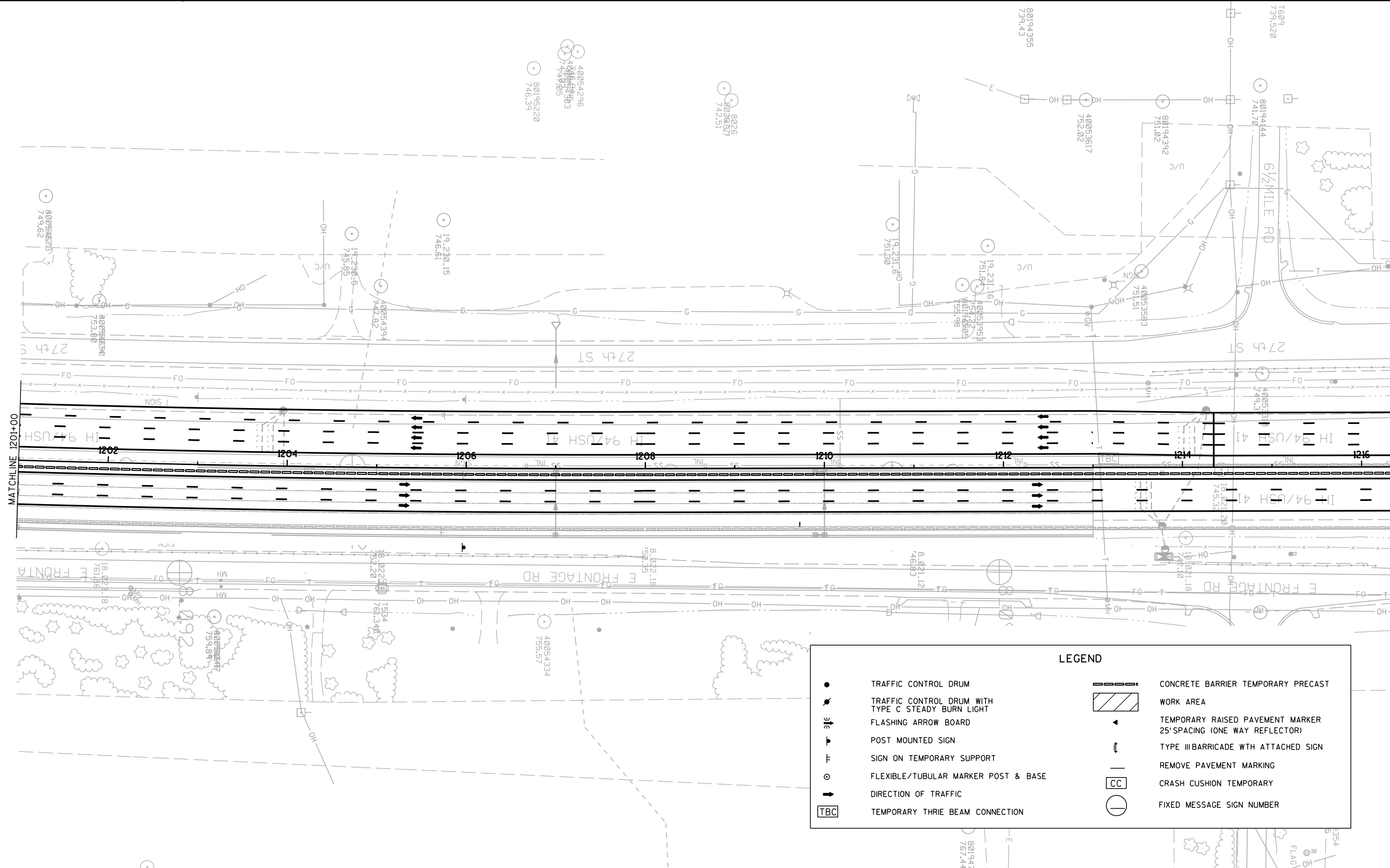
LEGEND

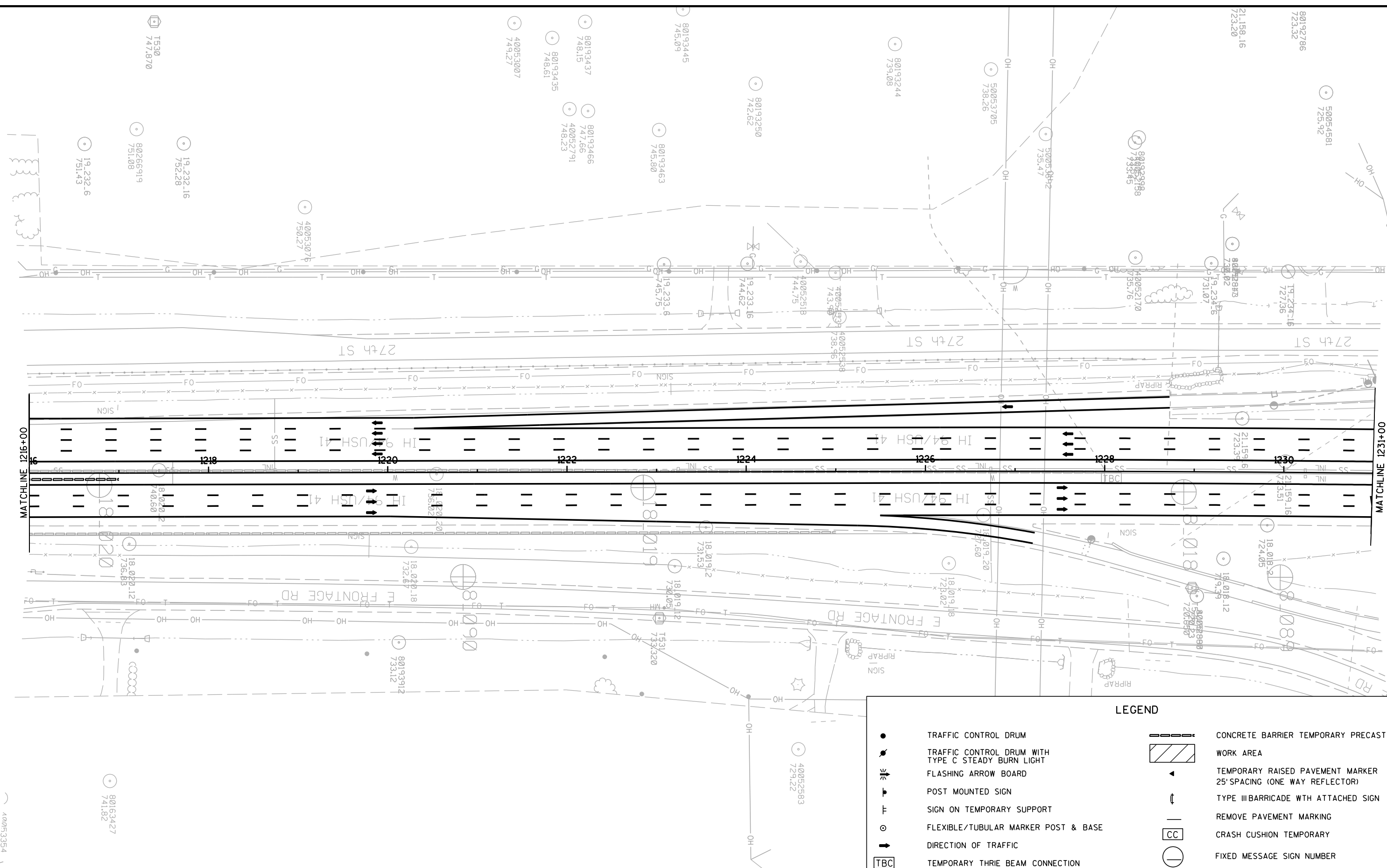
- ① PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- ② PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- ③ PAVEMENT MARKING EPOXY LANE LINE
- GS GLARE SCREEN TEMPORARY



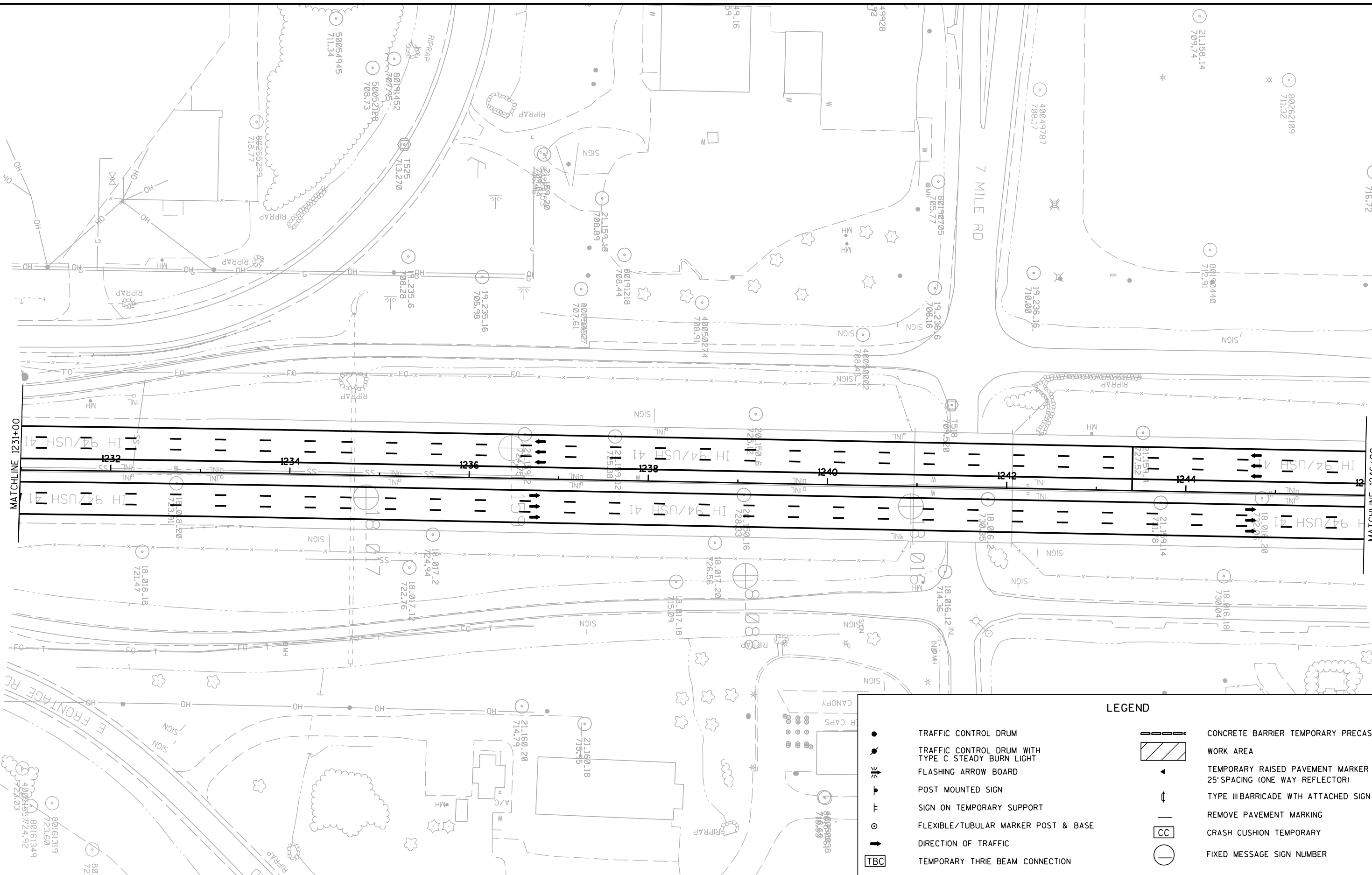




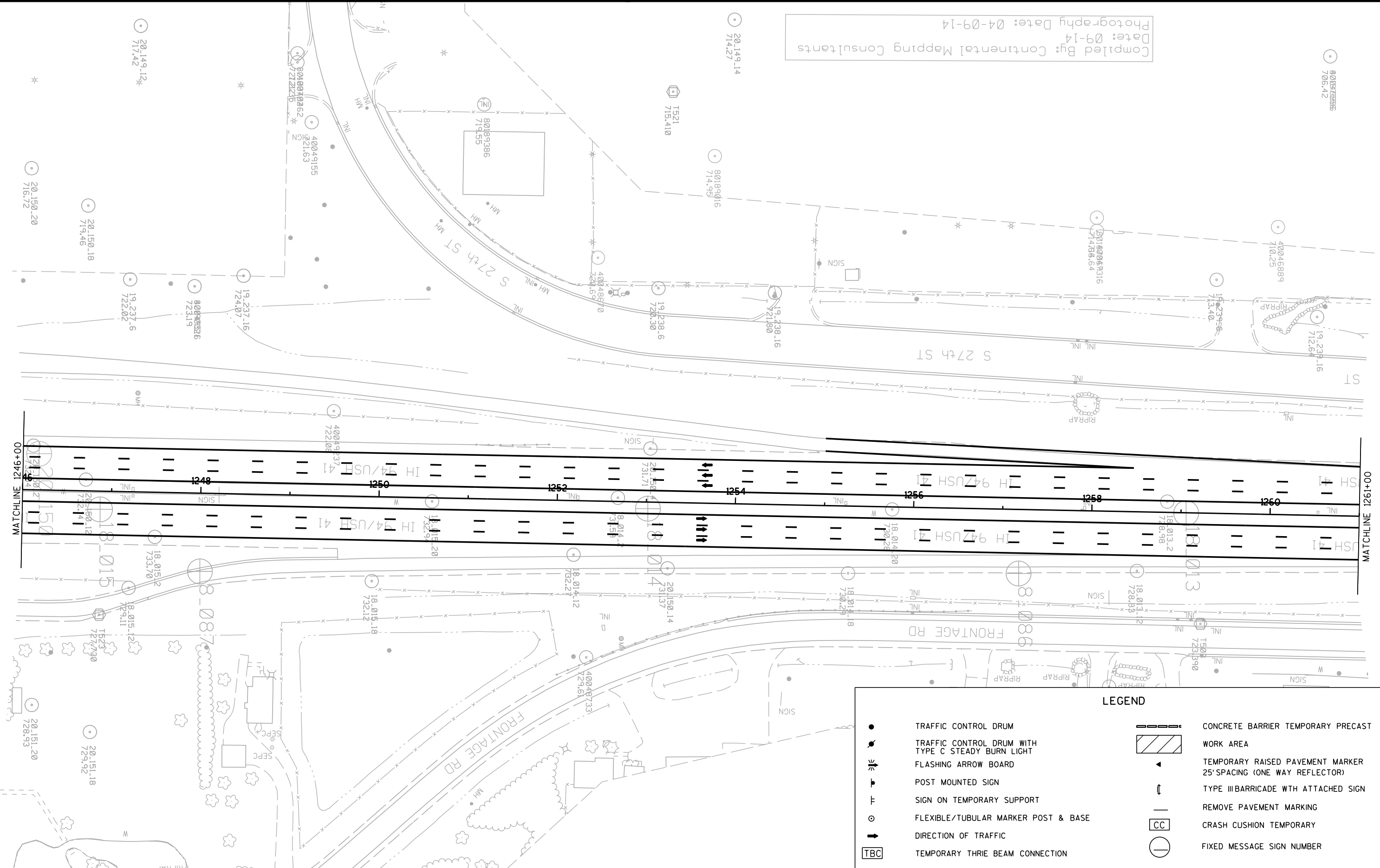




LEGEND			
	TRAFFIC CONTROL DRUM		CONCRETE BARRIER TEMPORARY PRECAST
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT		WORK AREA
	FLASHING ARROW BOARD		TEMPORARY RAISED PAVEMENT MARKER 25' SPACING (ONE WAY REFLECTOR)
	POST MOUNTED SIGN		TYPE III BARRICADE WITH ATTACHED SIGN
	SIGN ON TEMPORARY SUPPORT		REMOVE PAVEMENT MARKING
	FLEXIBLE/TUBULAR MARKER POST & BASE		CRASH CUSHION TEMPORARY
	DIRECTION OF TRAFFIC		FIXED MESSAGE SIGN NUMBER
	TEMPORARY THRIE BEAM CONNECTION		



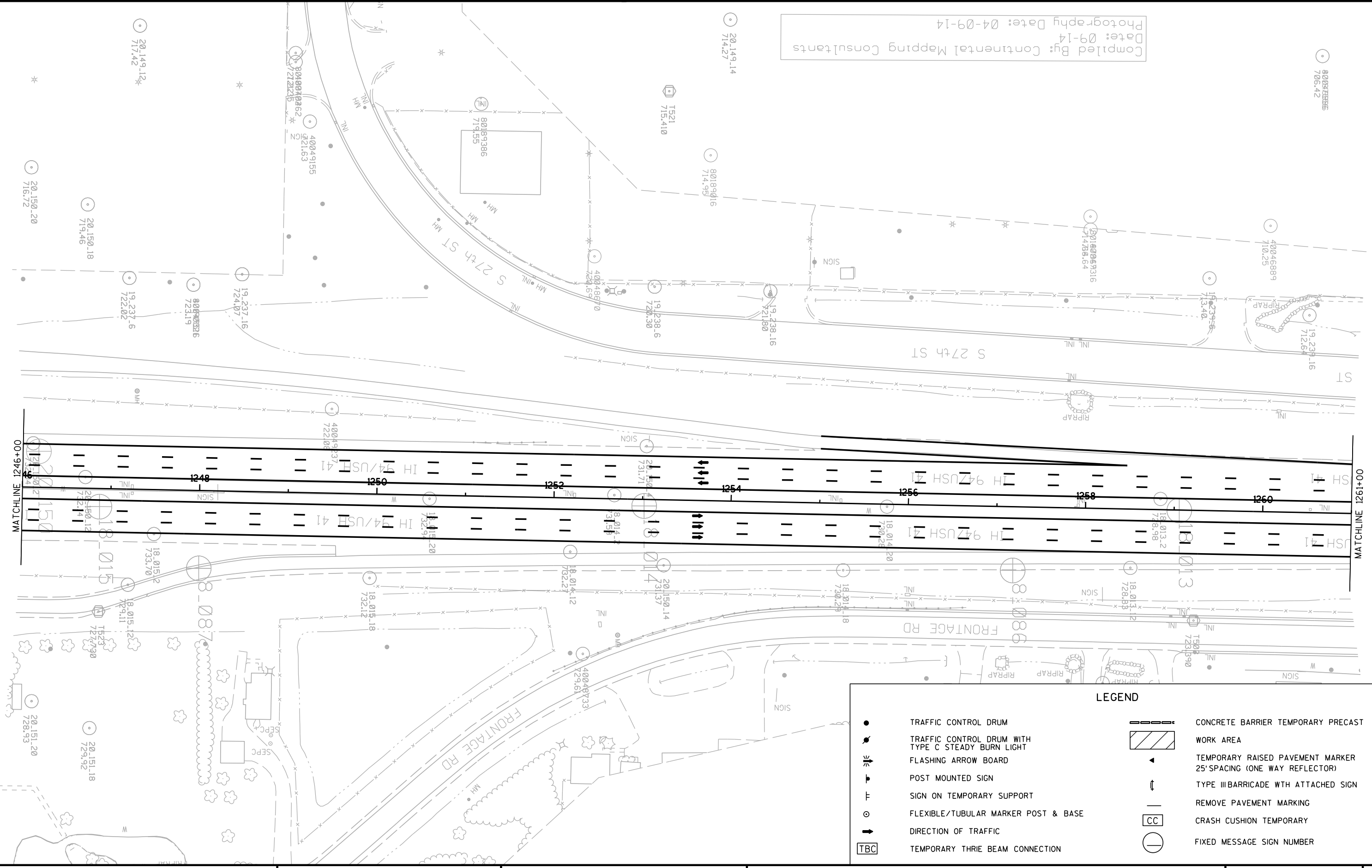
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Date: 09-14
Photography Date: 04-09-14



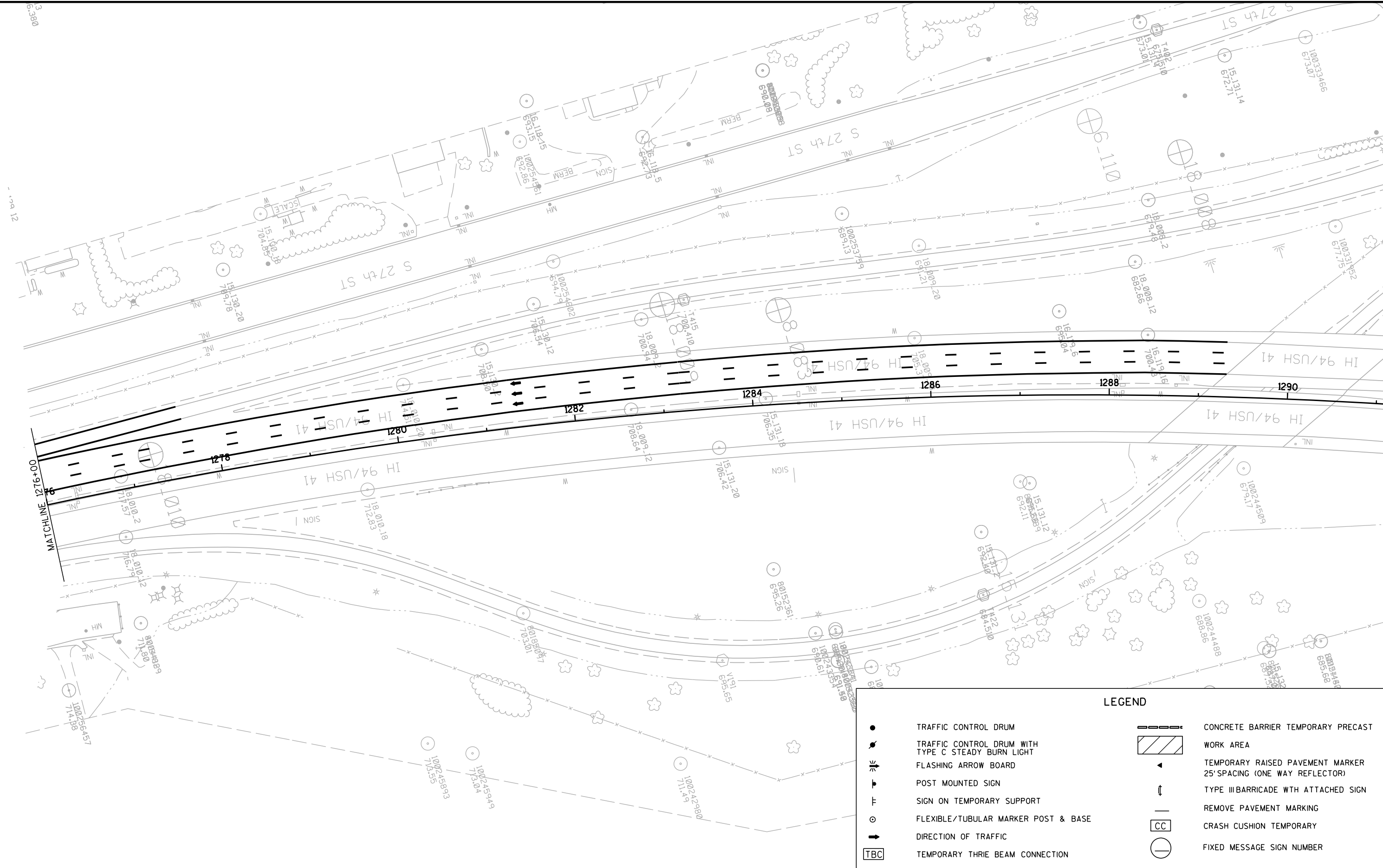
LEGEND

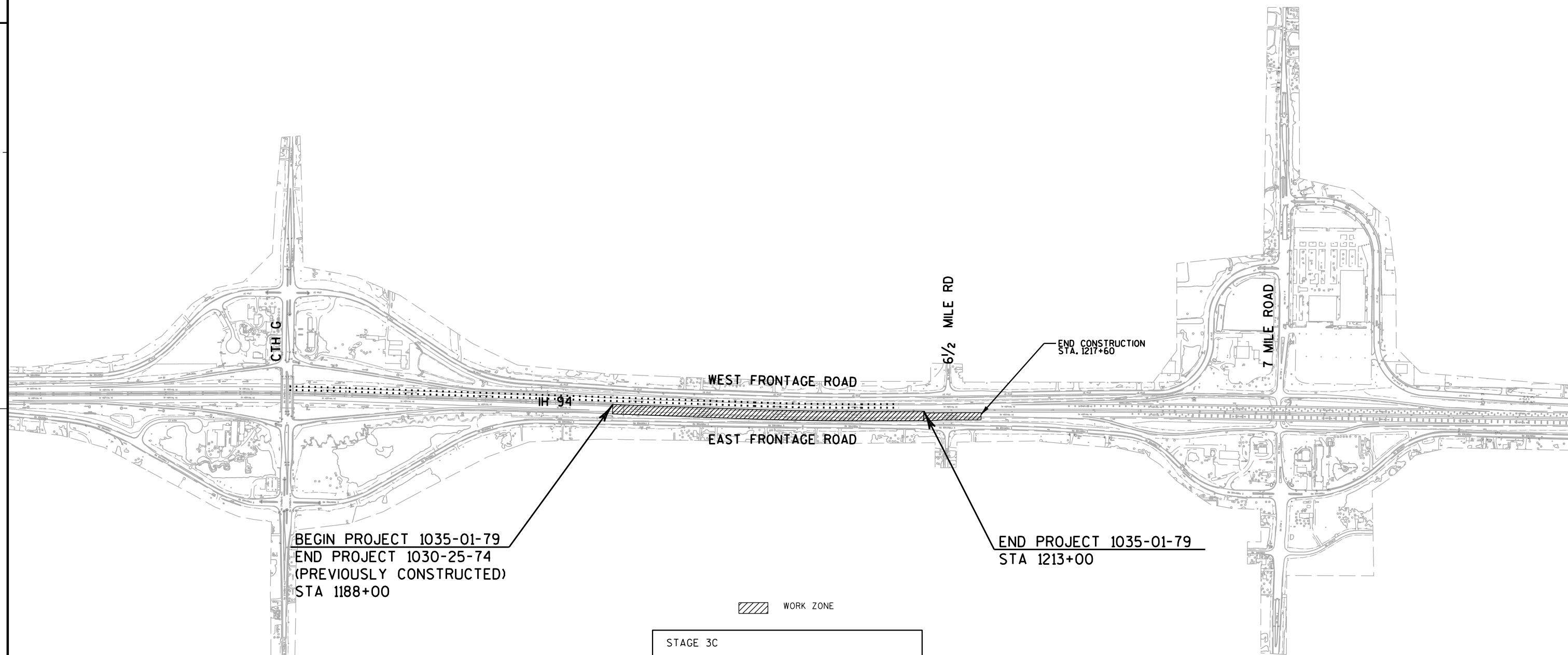
●	TRAFFIC CONTROL DRUM	▬▬▬▬	CONCRETE BARRIER TEMPORARY PRECAST
●	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	▨▨▨▨	WORK AREA
↗	FLASHING ARROW BOARD	◀	TEMPORARY RAISED PAVEMENT MARKER 25' SPACING (ONE WAY REFLECTOR)
▲	POST MOUNTED SIGN	↑	TYPE III BARRICADE WITH ATTACHED SIGN
├	SIGN ON TEMPORARY SUPPORT	—	REMOVE PAVEMENT MARKING
○	FLEXIBLE/TUBULAR MARKER POST & BASE	CC	CRASH CUSHION TEMPORARY
→	DIRECTION OF TRAFFIC	◯	FIXED MESSAGE SIGN NUMBER
TBC	TEMPORARY THREE BEAM CONNECTION		

Compiled By: Continental Mapping Consultants
Date: 09-14
Photography Date: 04-09-14



LEGEND	
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	FLASHING ARROW BOARD
	POST MOUNTED SIGN
	SIGN ON TEMPORARY SUPPORT
	FLEXIBLE/TUBULAR MARKER POST & BASE
	DIRECTION OF TRAFFIC
	TEMPORARY THRIE BEAM CONNECTION
	CONCRETE BARRIER TEMPORARY PRECAST
	WORK AREA
	TEMPORARY RAISED PAVEMENT MARKER 25' SPACING (ONE WAY REFLECTOR)
	TYPE III BARRICADE WITH ATTACHED SIGN
	REMOVE PAVEMENT MARKING
	CRASH CUSHION TEMPORARY
	FIXED MESSAGE SIGN NUMBER





 WORK ZONE

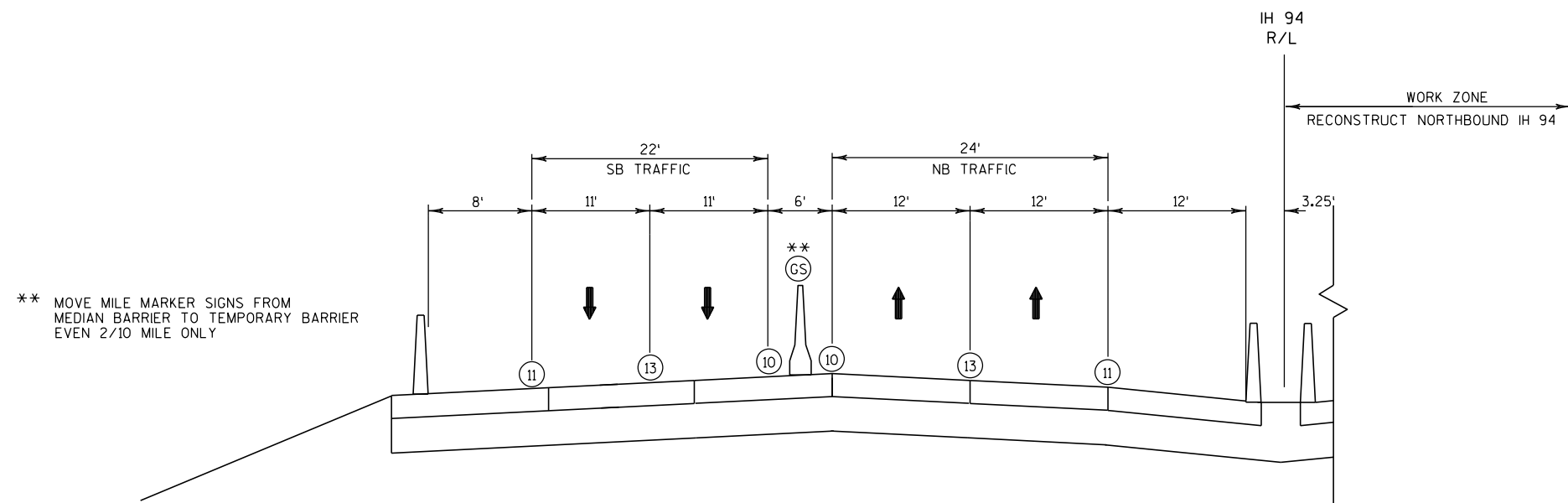
STAGE 3C

CONSTRUCTION

- IH 94 NORTHBOUND LANES
- TRANSITION HMA PAVEMENT
- COMPLETE S-51-403

TRAFFIC

- ALL IH-94 TRAFFIC SHIFTED TO SOUTHBOUND LANES USING CROSSOVER NORTH OF PROJECT (TWO NORTHBOUND LANES, 2 SOUTHBOUND LANES)
- FRONTAGE ROADS REMAIN OPEN
- SOUTHBOUND ENTRANCE CLOSED AT 7-MILE ROAD
- NORTHBOUND EXIT CLOSED AT CTH G
- NORTHBOUND ENTRANCE CLOSED AT CTH G
- NORTHBOUND EXIT CLOSED AT CTH G
- NORTHBOUND EXIT OPENED AT CTH K



TYPICAL SECTION

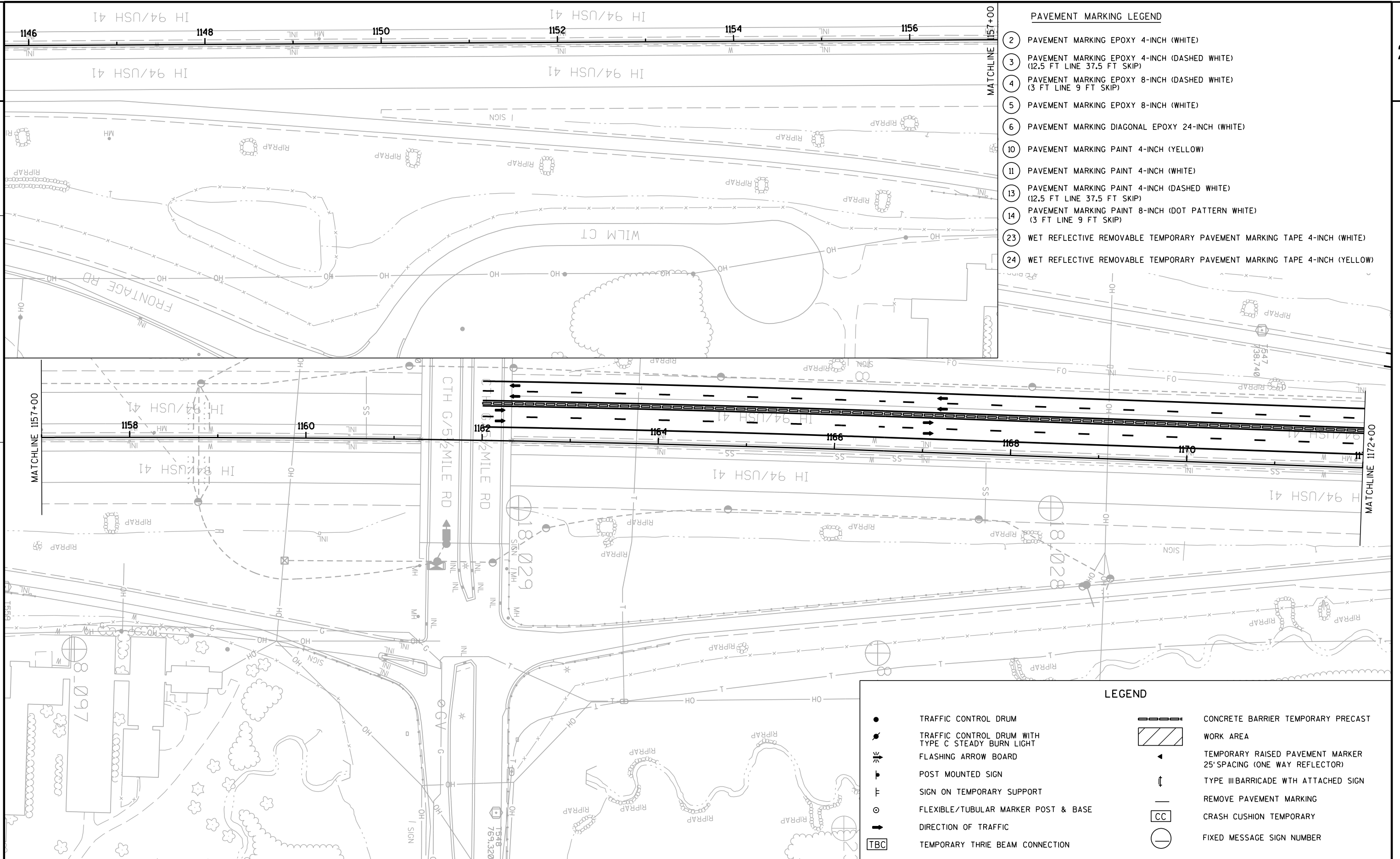
STAGE 4A

IH 94

STA 1188+00 TO STA 1213+00

LEGEND

- 10 PAVEMENT MARKING PAINT 4-INCH (YELLOW)
- 11 PAVEMENT MARKING PAINT 4-INCH (WHITE)
- 13 PAVEMENT MARKING PAINT, LANE LINE
- GS GLARE SCREEN TEMPORARY



PROJECT NO: 1035-01-79

HWY: IH 94

COUNTY: RACINE

TRAFFIC CONTROL - STAGE 4A

SHEET

PRE_142

E

FILE NAME : Z:\Racine\CADD\20\20M\CDS\025035a_tc-4A.dgn

PLOT DATE : 6/14/2017

PLOT BY : heather.stabo

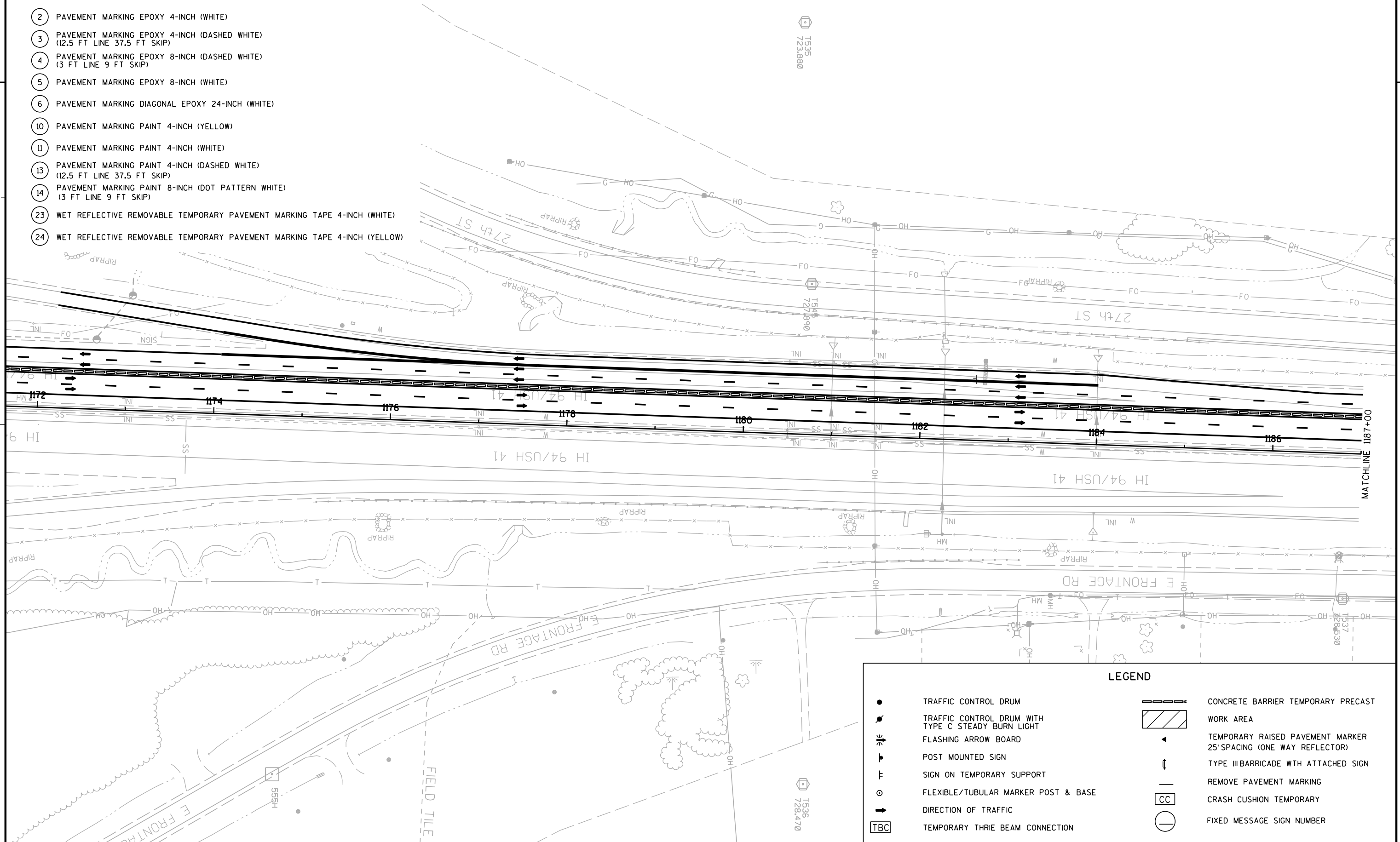
PLOT NAME :

PLOT SCALE : 1:100

WISDOT/CADDs SHEET 42

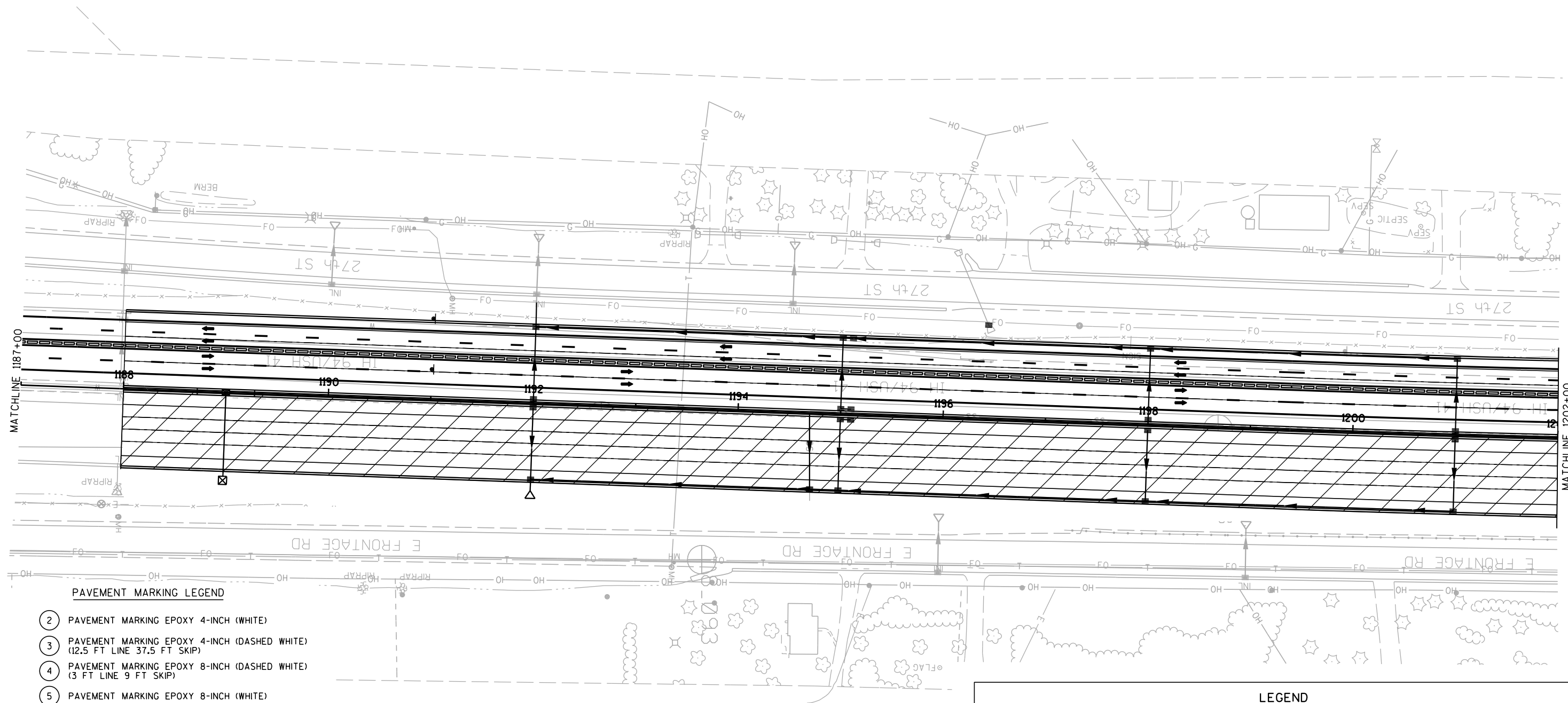
PAVEMENT MARKING LEGEND

- 2 PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- 3 PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP)
- 4 PAVEMENT MARKING EPOXY 8-INCH (DASHED WHITE)
(3 FT LINE 9 FT SKIP)
- 5 PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- 6 PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE)
- 10 PAVEMENT MARKING PAINT 4-INCH (YELLOW)
- 11 PAVEMENT MARKING PAINT 4-INCH (WHITE)
- 13 PAVEMENT MARKING PAINT 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP)
- 14 PAVEMENT MARKING PAINT 8-INCH (DOT PATTERN WHITE)
(3 FT LINE 9 FT SKIP)
- 23 WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (WHITE)
- 24 WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (YELLOW)

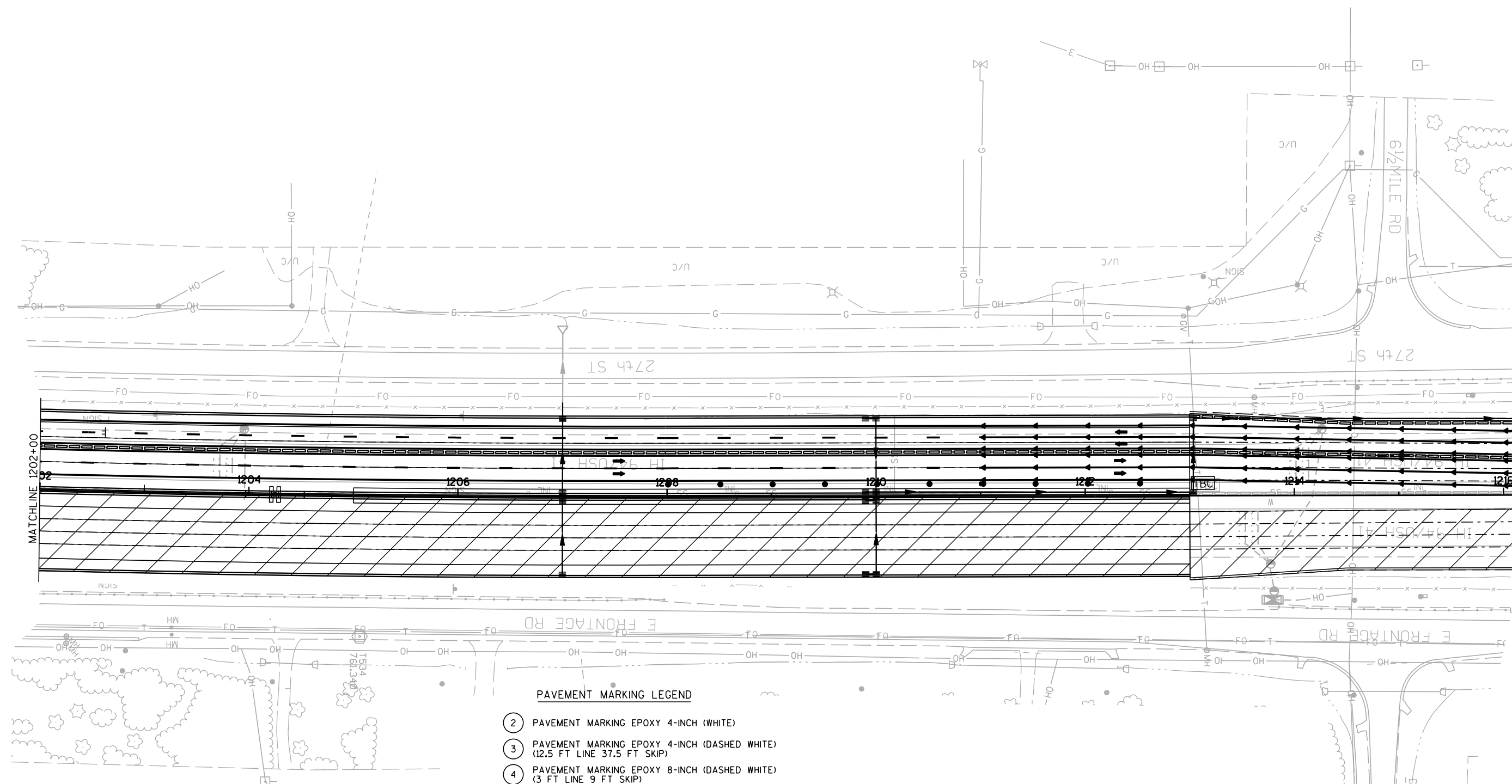


LEGEND

- | | | | |
|-----|---|----|---|
| ● | TRAFFIC CONTROL DRUM | ▨ | CONCRETE BARRIER TEMPORARY PRECAST |
| ● | TRAFFIC CONTROL DRUM WITH
TYPE C STEADY BURN LIGHT | ◀ | WORK AREA |
| ⚡ | FLASHING ARROW BOARD | ↑ | TEMPORARY RAISED PAVEMENT MARKER
25' SPACING (ONE WAY REFLECTOR) |
| ▲ | POST MOUNTED SIGN | ↑ | TYPE III BARRICADE WITH ATTACHED SIGN |
| ⊥ | SIGN ON TEMPORARY SUPPORT | — | REMOVE PAVEMENT MARKING |
| ○ | FLEXIBLE/TUBULAR MARKER POST & BASE | CC | CRASH CUSHION TEMPORARY |
| ➡ | DIRECTION OF TRAFFIC | ◯ | FIXED MESSAGE SIGN NUMBER |
| TBC | TEMPORARY THREE BEAM CONNECTION | | |



●	TRAFFIC CONTROL DRUM	▨	CONCRETE BARRIER TEMPORARY PRECAST
●	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	▨	WORK AREA
⚡	FLASHING ARROW BOARD	◀	TEMPORARY RAISED PAVEMENT MARKER 25' SPACING (ONE WAY REFLECTOR)
♣	POST MOUNTED SIGN	↑	TYPE III BARRICADE WITH ATTACHED SIGN
⌄	SIGN ON TEMPORARY SUPPORT	—	REMOVE PAVEMENT MARKING
○	FLEXIBLE/TUBULAR MARKER POST & BASE	CC	CRASH CUSHION TEMPORARY
➔	DIRECTION OF TRAFFIC	○	FIXED MESSAGE SIGN NUMBER
TBC	TEMPORARY THREE BEAM CONNECTION		

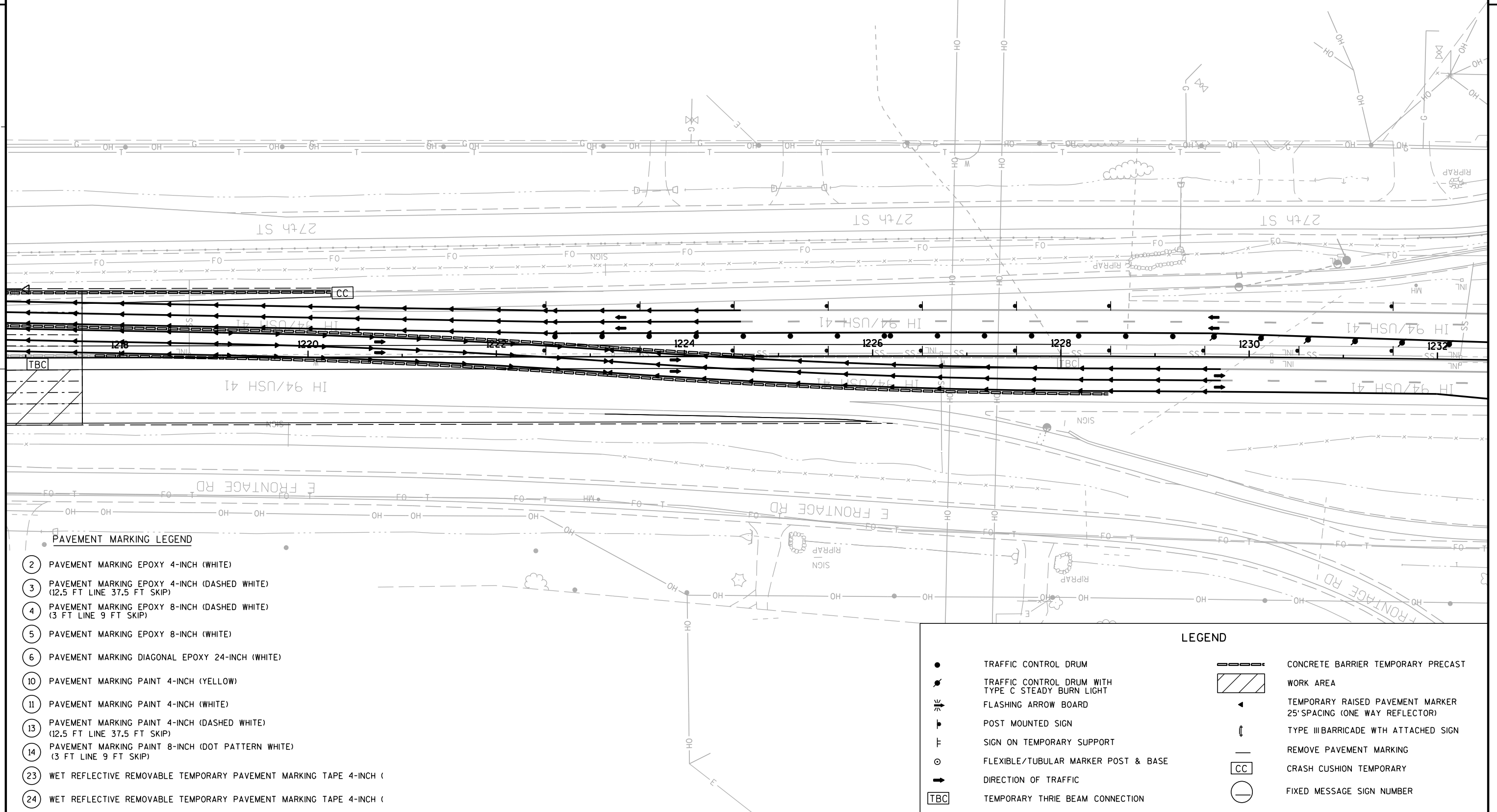


PAVEMENT MARKING LEGEND

- ② PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- ③ PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP)
- ④ PAVEMENT MARKING EPOXY 8-INCH (DASHED WHITE)
(3 FT LINE 9 FT SKIP)
- ⑤ PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- ⑥ PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE)
- ⑩ PAVEMENT MARKING PAINT 4-INCH (YELLOW)
- ⑪ PAVEMENT MARKING PAINT 4-INCH (WHITE)
- ⑬ PAVEMENT MARKING PAINT 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP)
- ⑭ PAVEMENT MARKING PAINT 8-INCH (DOT PATTERN WHITE)
(3 FT LINE 9 FT SKIP)
- ⑳ WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (WHITE)
- ㉔ WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (YELLOW)

LEGEND

- | | | | |
|-----|---|------|---|
| ● | TRAFFIC CONTROL DRUM | ▬▬▬▬ | CONCRETE BARRIER TEMPORARY PRECAST |
| ● | TRAFFIC CONTROL DRUM WITH
TYPE C STEADY BURN LIGHT | ▨ | WORK AREA |
| ⚡ | FLASHING ARROW BOARD | ◀ | TEMPORARY RAISED PAVEMENT MARKER
25' SPACING (ONE WAY REFLECTOR) |
| ♣ | POST MOUNTED SIGN | ↑ | TYPE III BARRICADE WITH ATTACHED SIGN |
| ⌄ | SIGN ON TEMPORARY SUPPORT | — | REMOVE PAVEMENT MARKING |
| ⊙ | FLEXIBLE/TUBULAR MARKER POST & BASE | CC | CRASH CUSHION TEMPORARY |
| ➔ | DIRECTION OF TRAFFIC | ○ | FIXED MESSAGE SIGN NUMBER |
| TBC | TEMPORARY THREE BEAM CONNECTION | | |



PROJECT NO:1035-01-79

HWY: IH 94

COUNTY: RACINE

TRAFFIC CONTROL- STAGE 4A

SHEET

PRE_146

E

FILE NAME : Z:\Racine\CADDS\20\20M\CDS\025037b_fc-4A.dgn

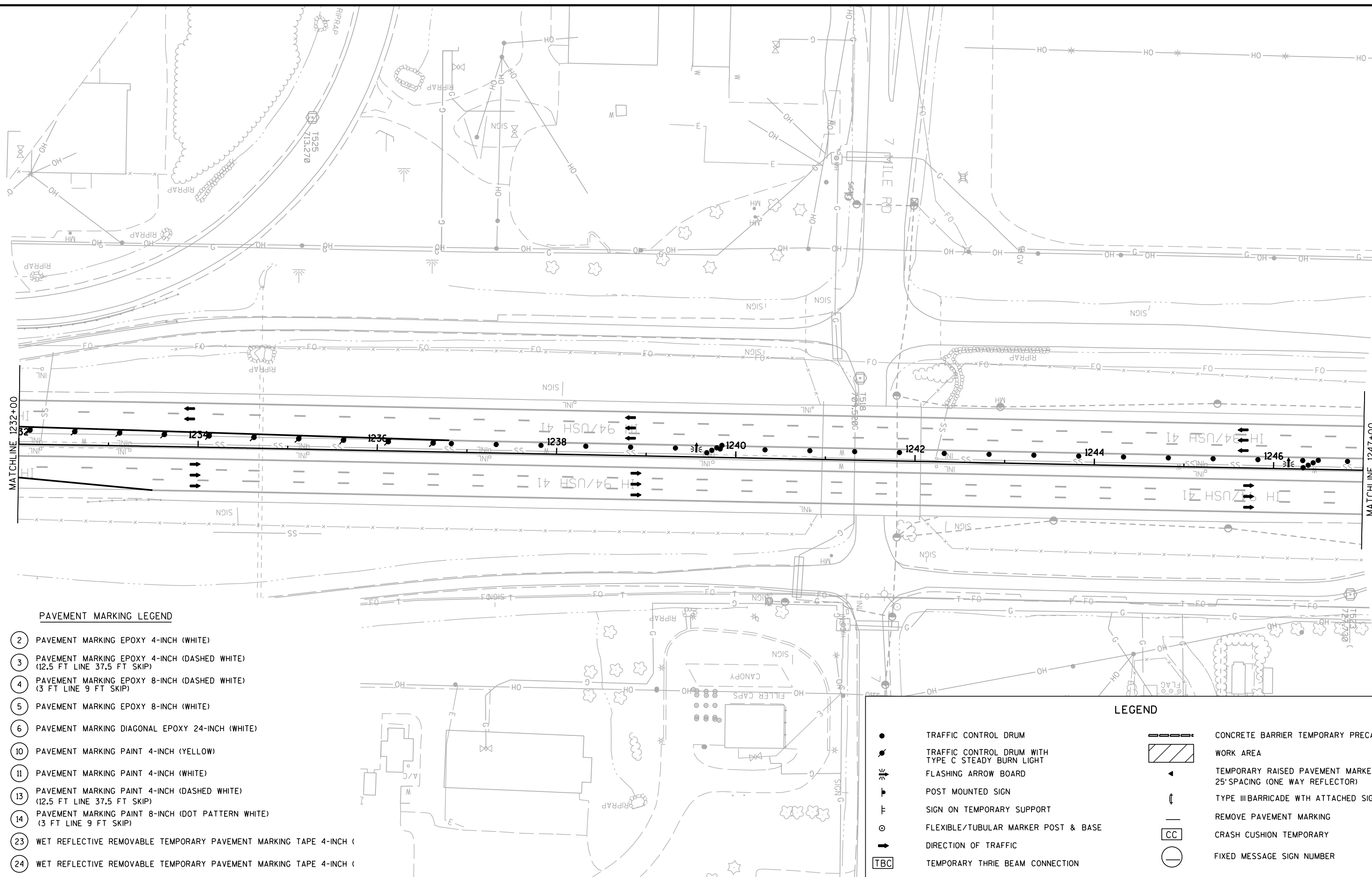
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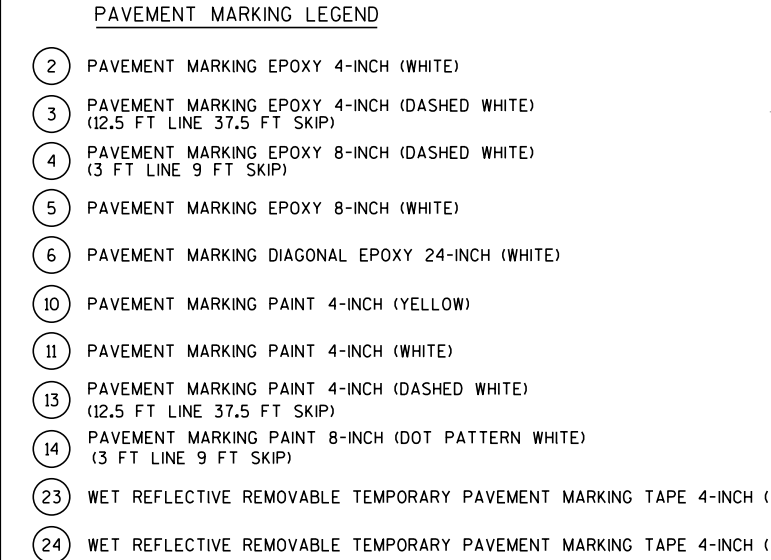
PLOT BY : heather.stabo

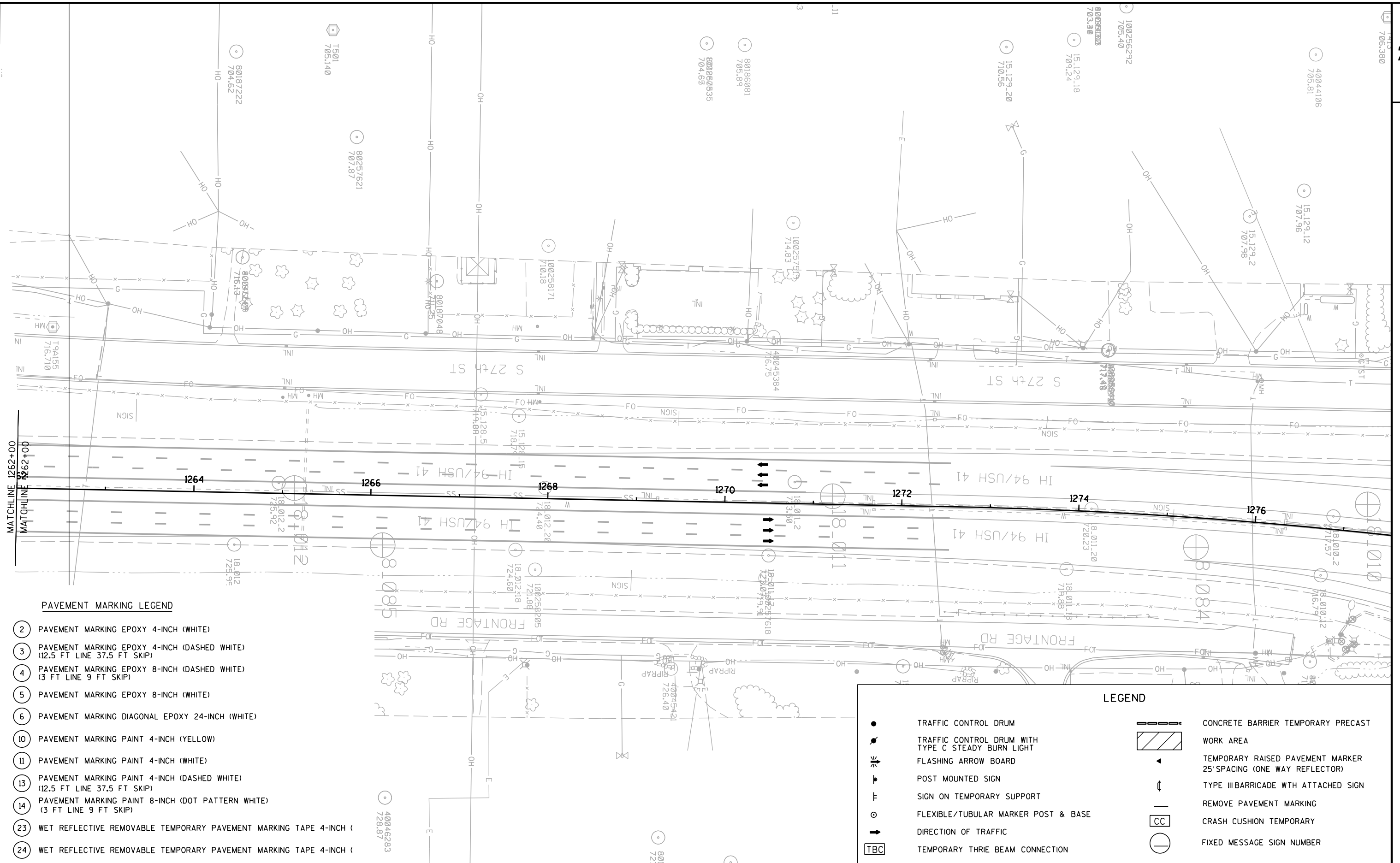
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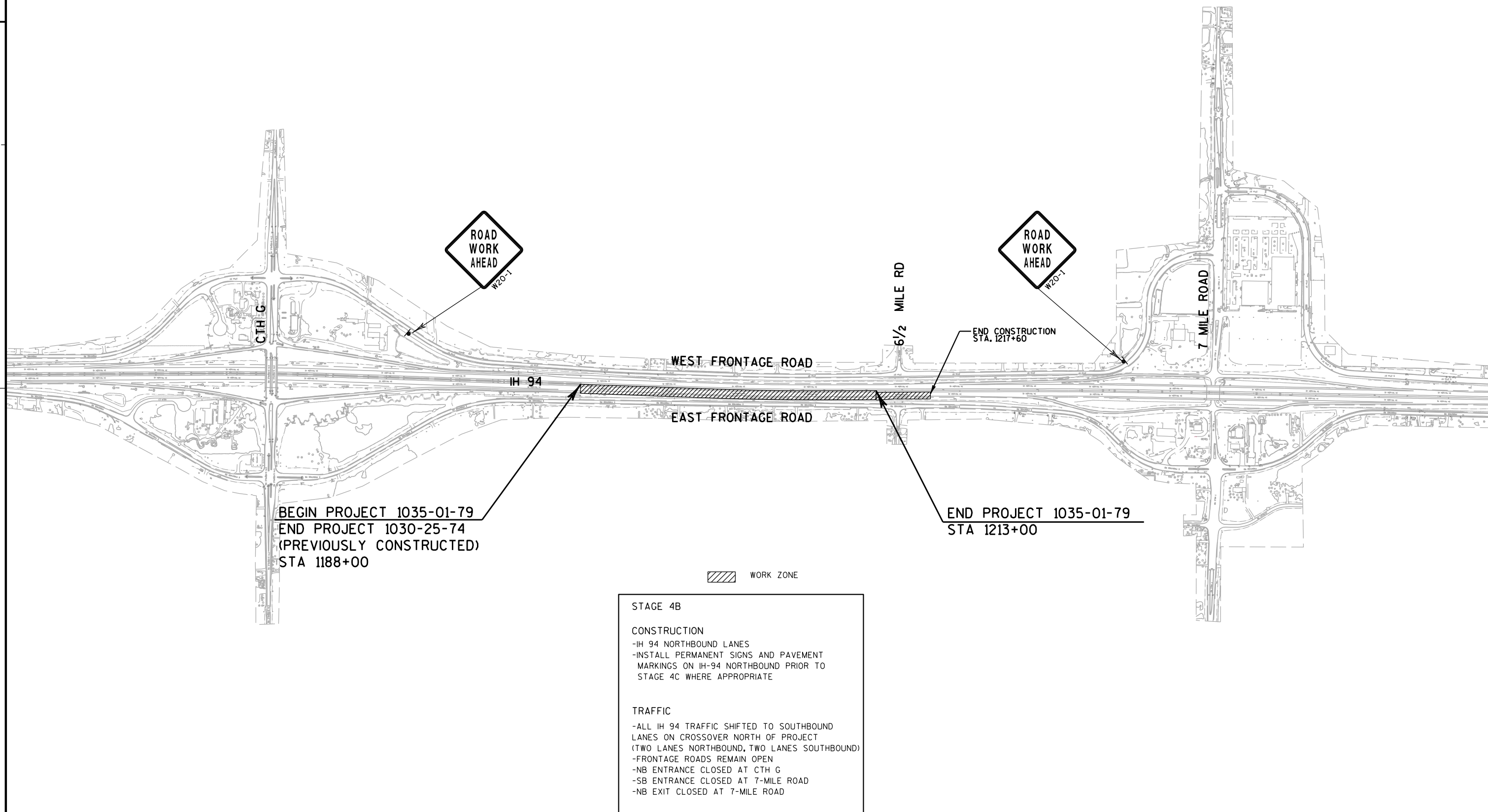
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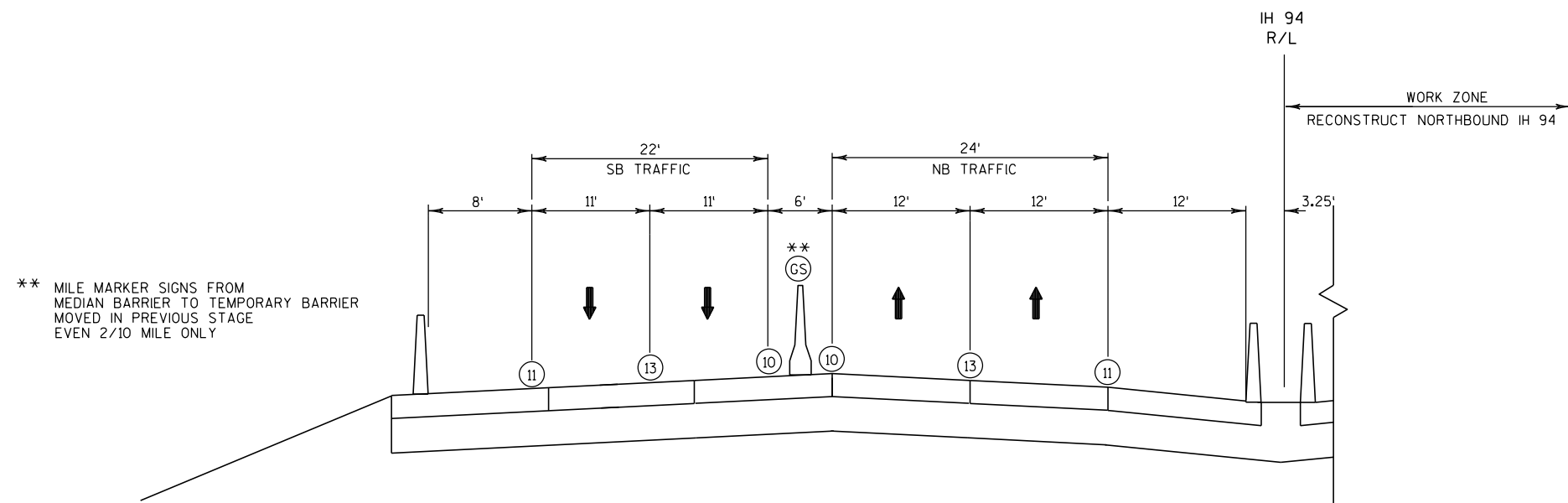
WISDOT/CADDS SHEET 42











TYPICAL SECTION

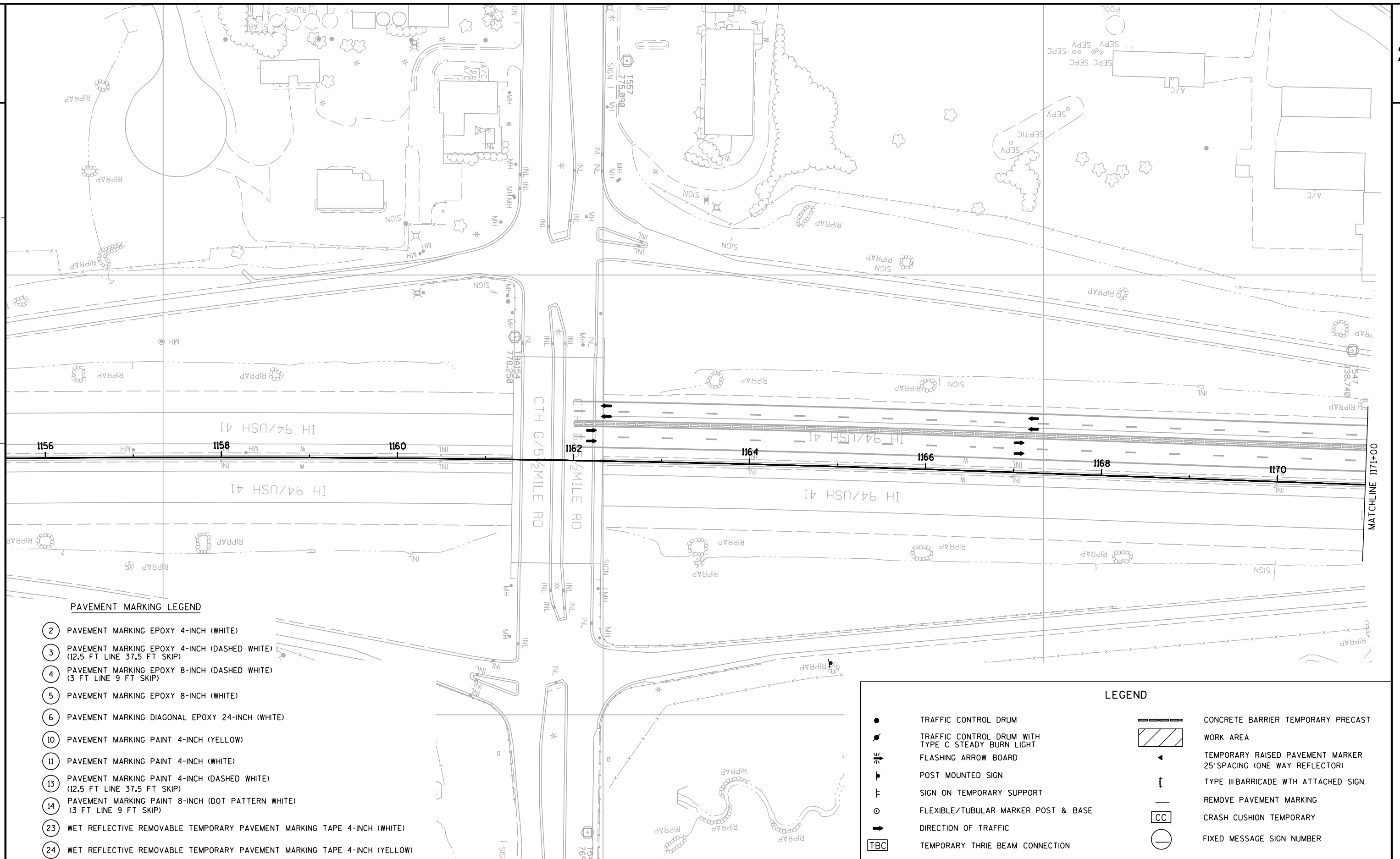
STAGE 4B

IH 94

STA 1188+00 TO STA 1213+00

LEGEND

- ⑩ PAVEMENT MARKING PAINT 4-INCH (YELLOW)
- ⑪ PAVEMENT MARKING PAINT 4-INCH (WHITE)
- ⑬ PAVEMENT MARKING PAINT, LANE LINE
- GS GLARE SCREEN TEMPORARY



PROJECT NO: 1035-01-79

HWY: IH 94

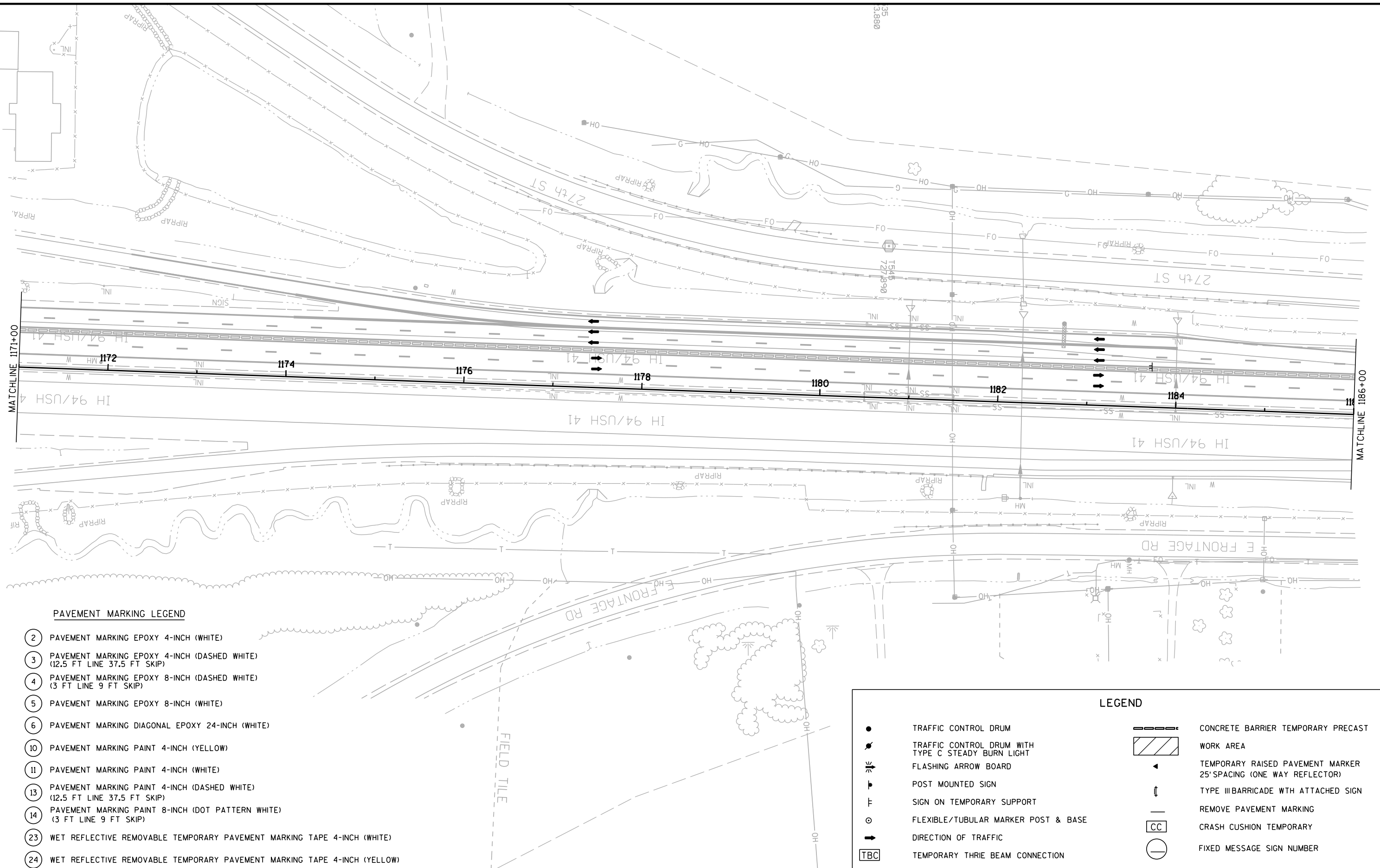
COUNTY: RACINE

TRAFFIC CONTROL - STAGE 4B

SHEET

PRE_152

E



PROJECT NO: 1035-01-79

HWY: IH 94

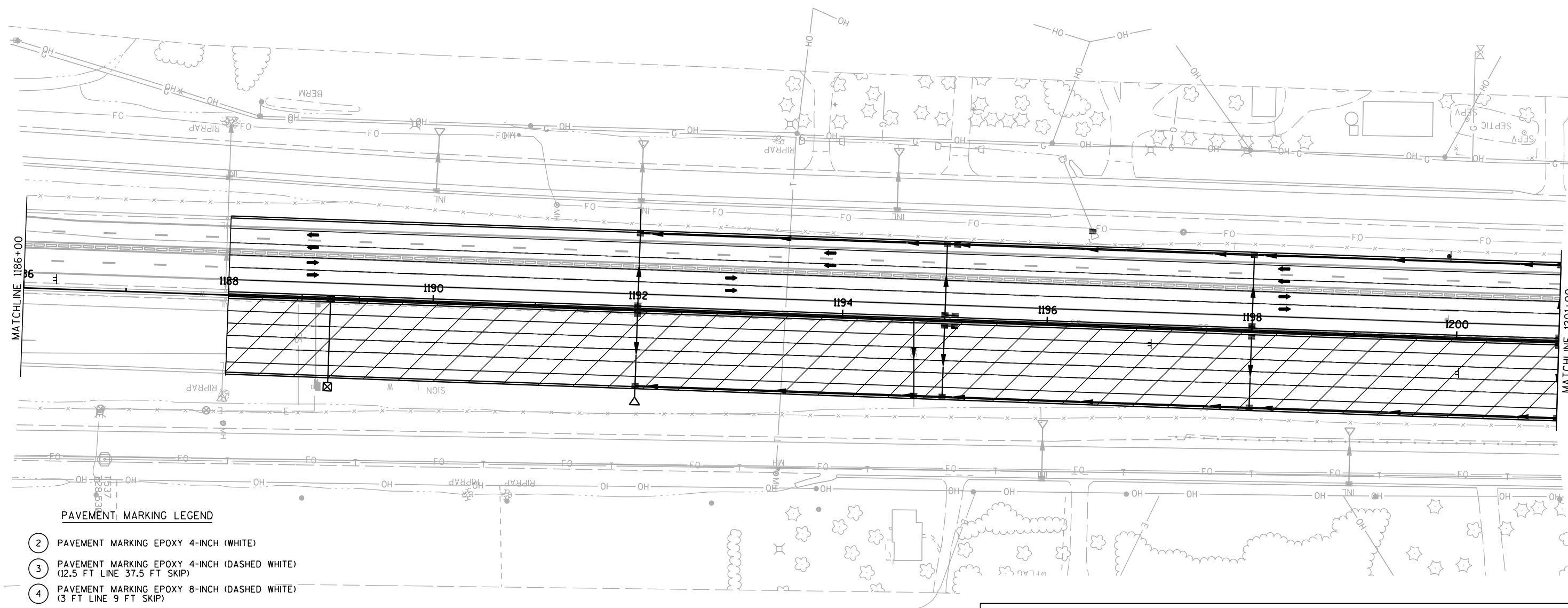
COUNTY: RACINE

TRAFFIC CONTROL- STAGE 4B

SHEET

PRE_153

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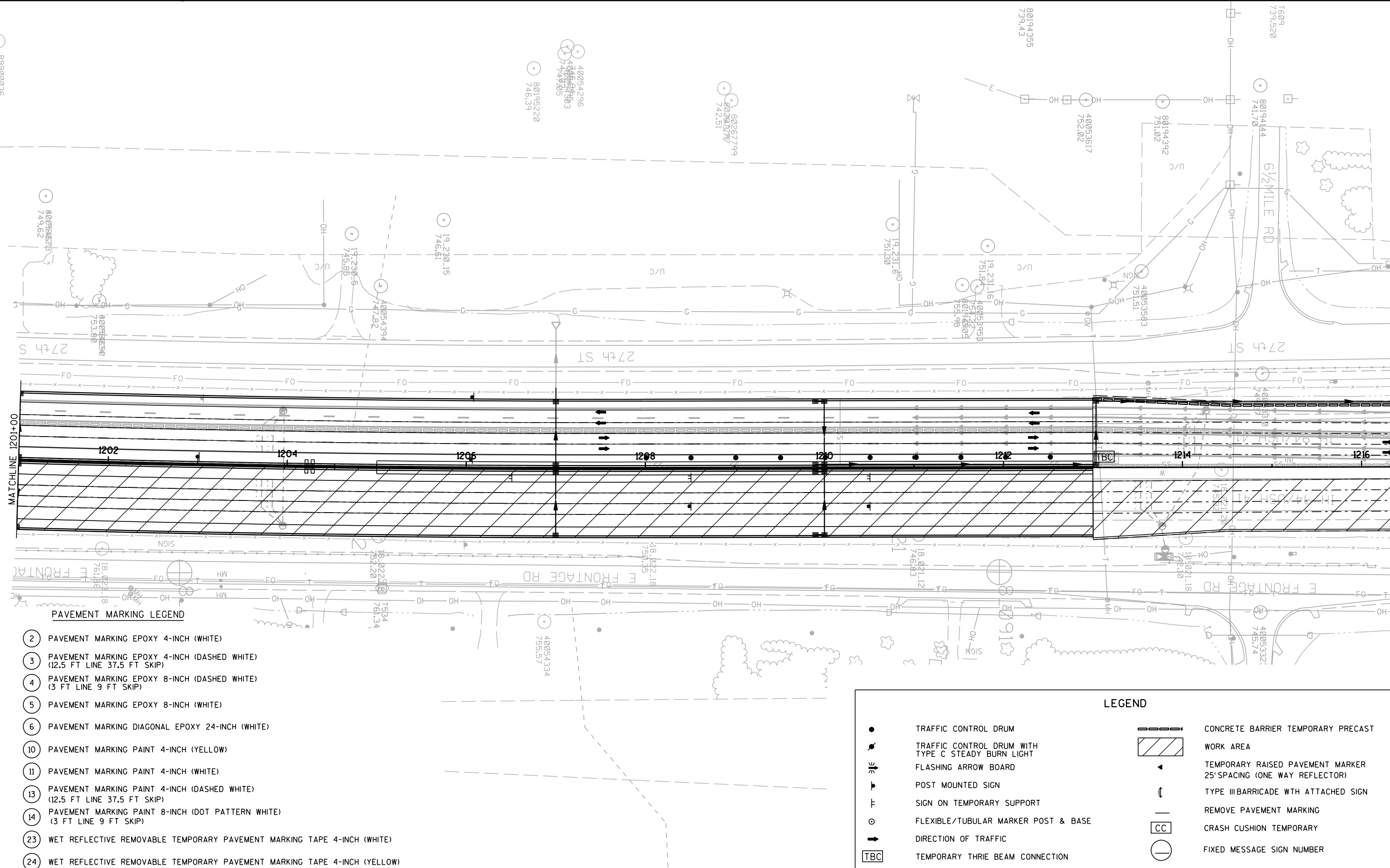


PAVEMENT MARKING LEGEND

- ② PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- ③ PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP)
- ④ PAVEMENT MARKING EPOXY 8-INCH (DASHED WHITE)
(3 FT LINE 9 FT SKIP)
- ⑤ PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- ⑥ PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE)
- ⑩ PAVEMENT MARKING PAINT 4-INCH (YELLOW)
- ⑪ PAVEMENT MARKING PAINT 4-INCH (WHITE)
- ⑬ PAVEMENT MARKING PAINT 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP)
- ⑭ PAVEMENT MARKING PAINT 8-INCH (DOT PATTERN WHITE)
(3 FT LINE 9 FT SKIP)
- ②③ WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (WHITE)
- ②④ WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH (YELLOW)

LEGEND

- | | | | |
|-----|---|-------|---|
| ● | TRAFFIC CONTROL DRUM | ===== | CONCRETE BARRIER TEMPORARY PRECAST |
| ● | TRAFFIC CONTROL DRUM WITH
TYPE C STEADY BURN LIGHT | ▨ | WORK AREA |
| ⚡ | FLASHING ARROW BOARD | ◀ | TEMPORARY RAISED PAVEMENT MARKER
25' SPACING (ONE WAY REFLECTOR) |
| ⌋ | POST MOUNTED SIGN | ↑ | TYPE III BARRICADE WITH ATTACHED SIGN |
| ⌋ | SIGN ON TEMPORARY SUPPORT | — | REMOVE PAVEMENT MARKING |
| ○ | FLEXIBLE/TUBULAR MARKER POST & BASE | CC | CRASH CUSHION TEMPORARY |
| → | DIRECTION OF TRAFFIC | ○ | FIXED MESSAGE SIGN NUMBER |
| TBC | TEMPORARY THREE BEAM CONNECTION | | |



PROJECT NO: 1035-01-79

HWY: IH 94

COUNTY: RACINE

TRAFFIC CONTROL- STAGE 4B

SHEET

PRE_155

E

FILE NAME : Z:\Racine\CADD\20\20M\CDS\025043-+c-4B.dgn

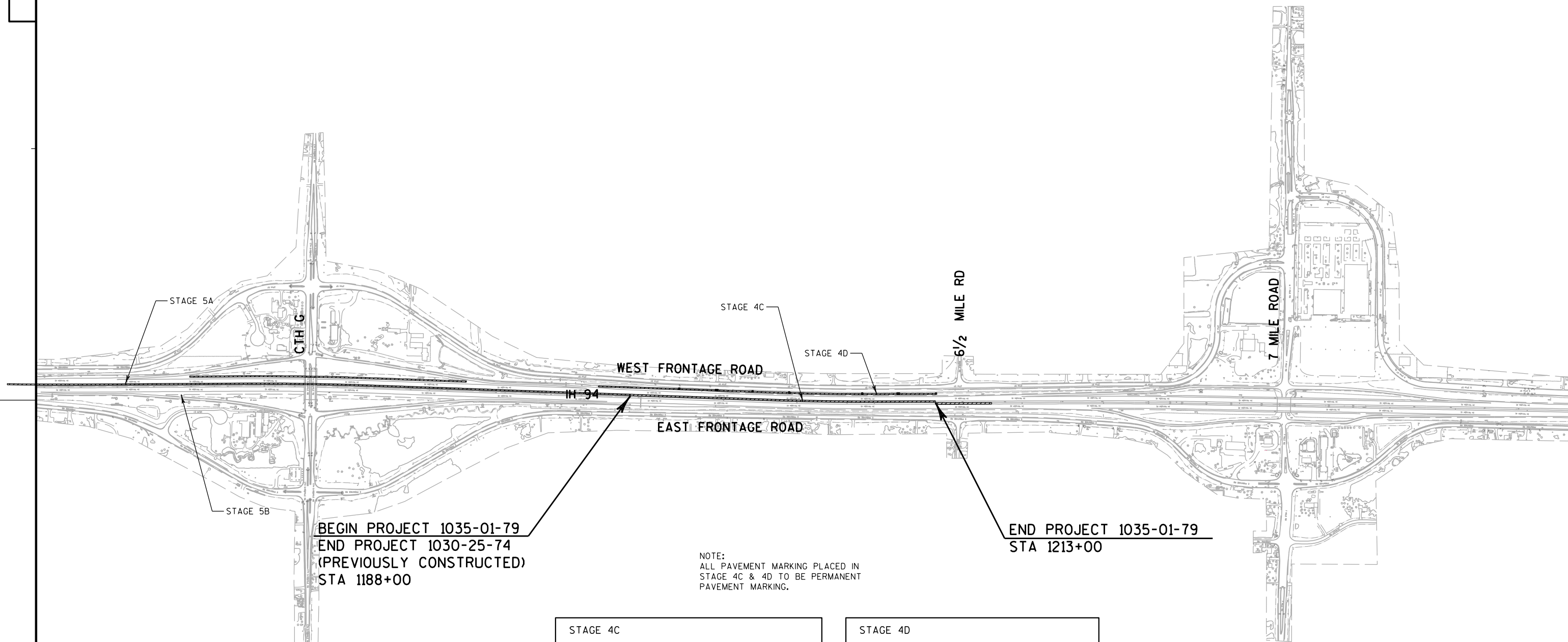
PLOT DATE : 6/14/2017

PLOT BY : heather.stabo

PLOT NAME :

PLOT SCALE : 1:100

WISDOT/CADD SHEET 42



BEGIN PROJECT 1035-01-79
END PROJECT 1030-25-74
(PREVIOUSLY CONSTRUCTED)
STA 1188+00

END PROJECT 1035-01-79
STA 1213+00

NOTE:
ALL PAVEMENT MARKING PLACED IN
STAGE 4C & 4D TO BE PERMANENT
PAVEMENT MARKING.

STAGE 4C

CONSTRUCTION
-PAVEMENT AND MEDIAN BARRIER (1189+38 TO 1196+00)
-SAW IN MEDIAN SHOULDER RUMBLE STRIPS
-COMPLETE TRANSITION PAVEMENT IN MEDIAN
-INSTALL PERMANENT SIGNING AND PAVEMENT
MARKINGS

TRAFFIC

-TWO TRAFFIC LANES SOUTHBOUND
-TWO TRAFFIC LANES NORTHBOUND
-FRONTAGE ROADS REMAIN OPEN

 ST.4C WORK ZONE

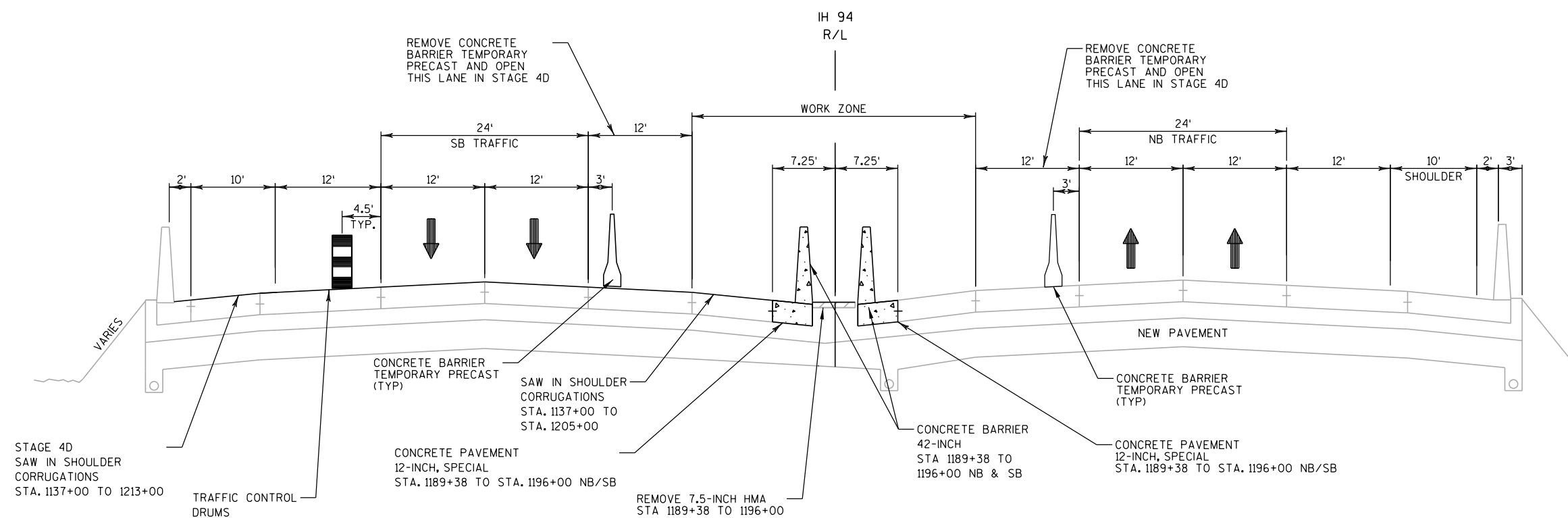
STAGE 4D

CONSTRUCTION
-SAW IN SB OUTSIDE SHOULDER RUMBLE STRIPS

TRAFFIC

-THREE TRAFFIC LANES SOUTHBOUND
-THREE TRAFFIC LANES NORTHBOUND
-FRONTAGE ROADS REMAIN OPEN

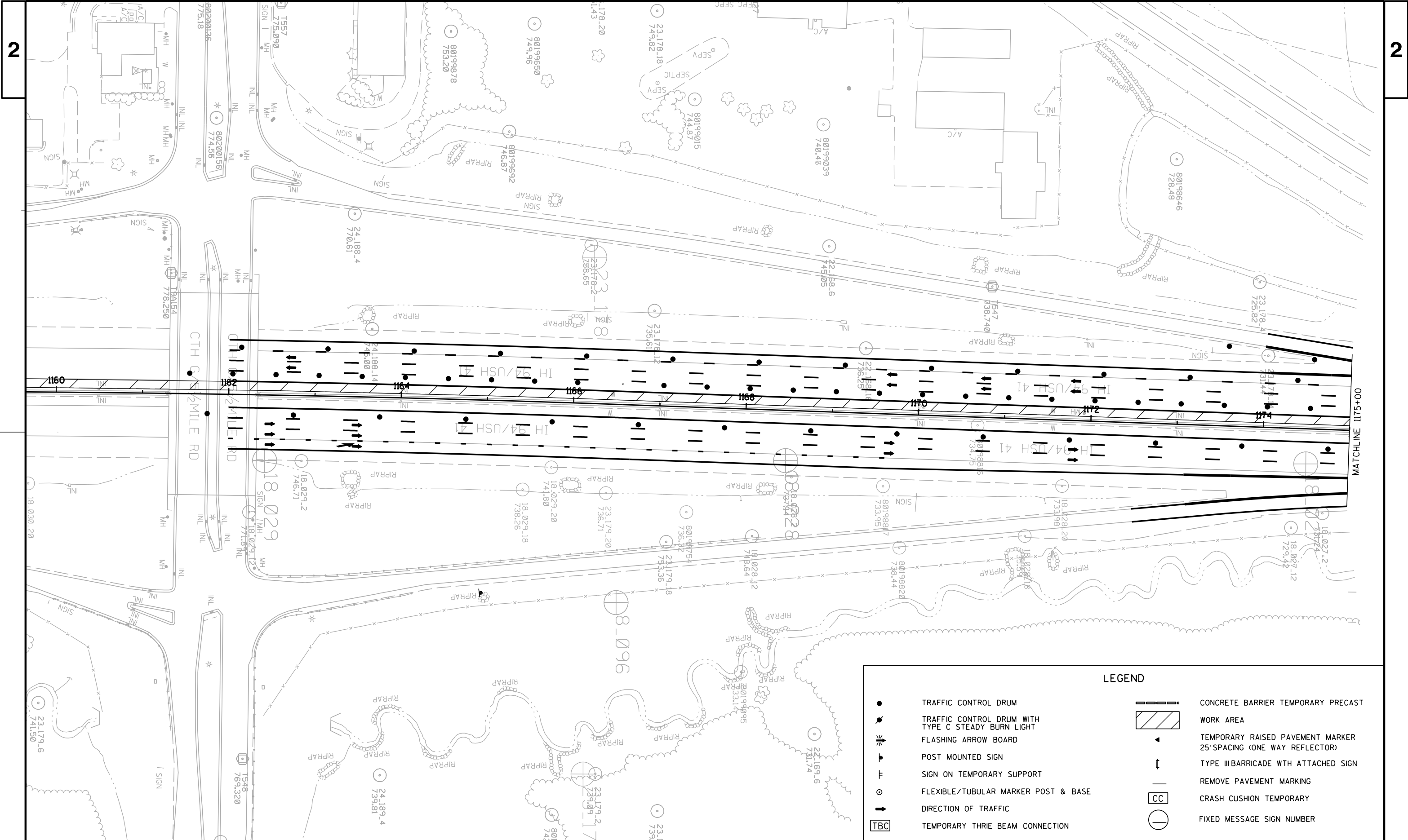
 ST.4D WORK ZONE



STAGE 4C & 4D

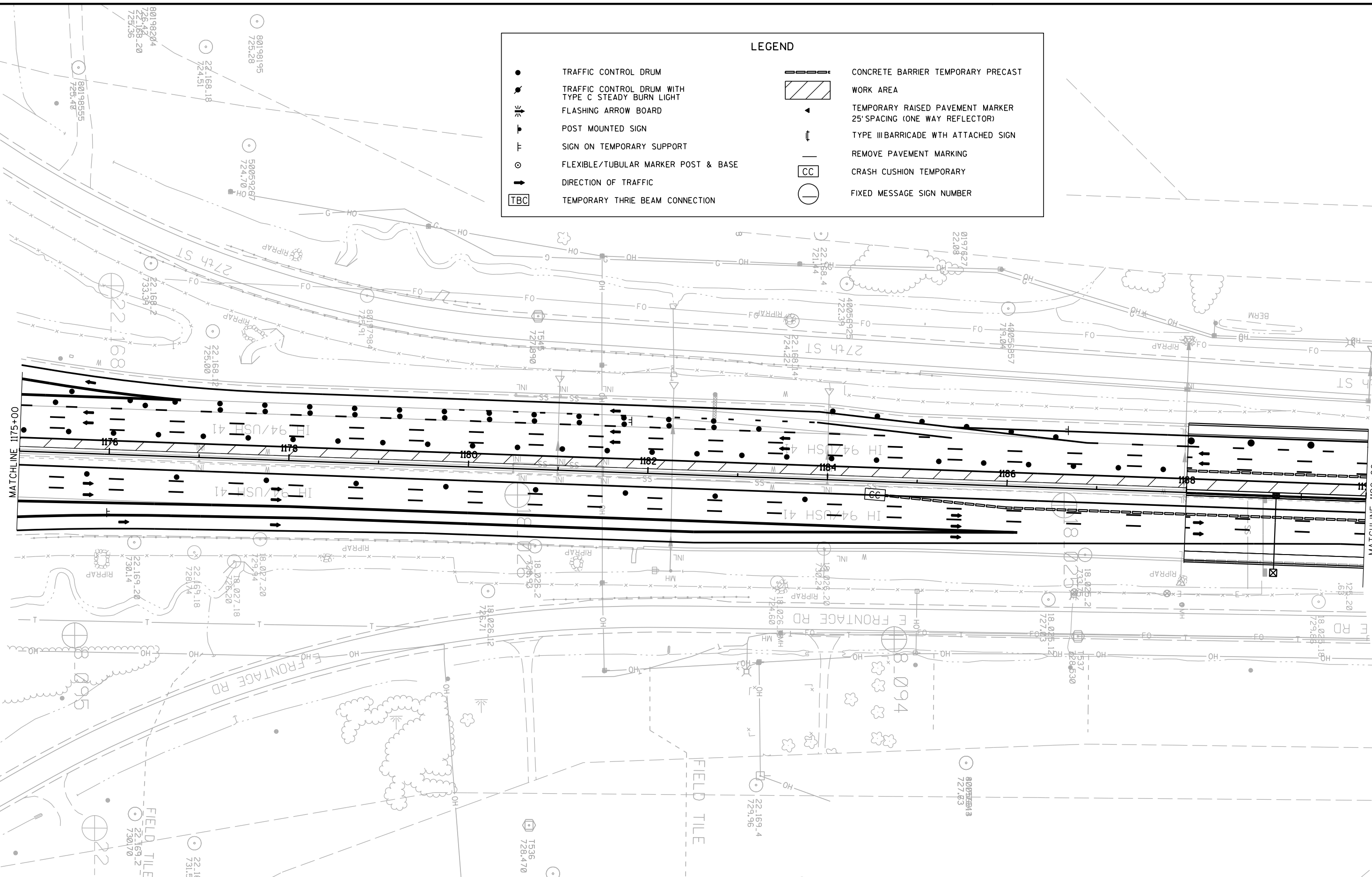
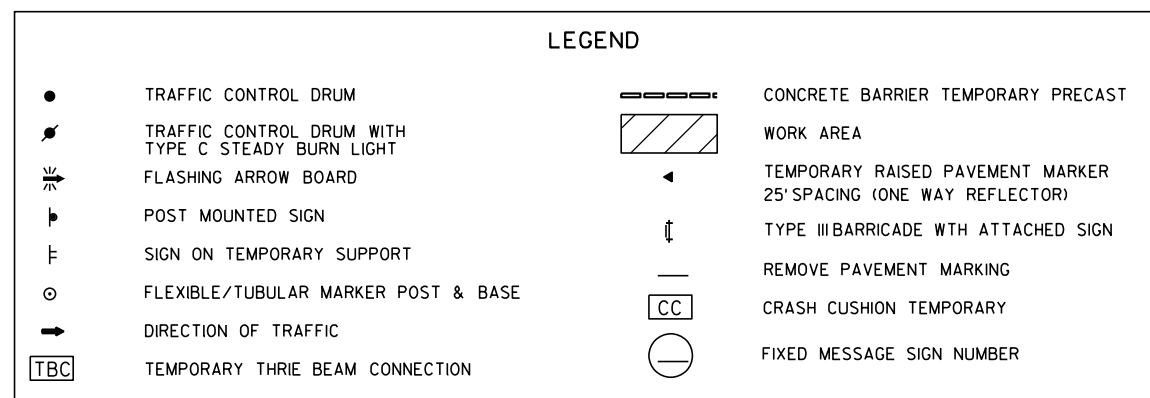
IH 94

STA 1189+38 TO STA 1296+00



LEGEND

●	TRAFFIC CONTROL DRUM	▬▬▬	CONCRETE BARRIER TEMPORARY PRECAST
●	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	▨	WORK AREA
↗	FLASHING ARROW BOARD	◀	TEMPORARY RAISED PAVEMENT MARKER 25' SPACING (ONE WAY REFLECTOR)
↑	POST MOUNTED SIGN	↑	TYPE III BARRICADE WITH ATTACHED SIGN
⊥	SIGN ON TEMPORARY SUPPORT	—	REMOVE PAVEMENT MARKING
○	FLEXIBLE/TUBULAR MARKER POST & BASE	CC	CRASH CUSHION TEMPORARY
→	DIRECTION OF TRAFFIC	◯	FIXED MESSAGE SIGN NUMBER
TBC	TEMPORARY THRIE BEAM CONNECTION		



PROJECT NO: 1035-01-79

HWY: IH 94

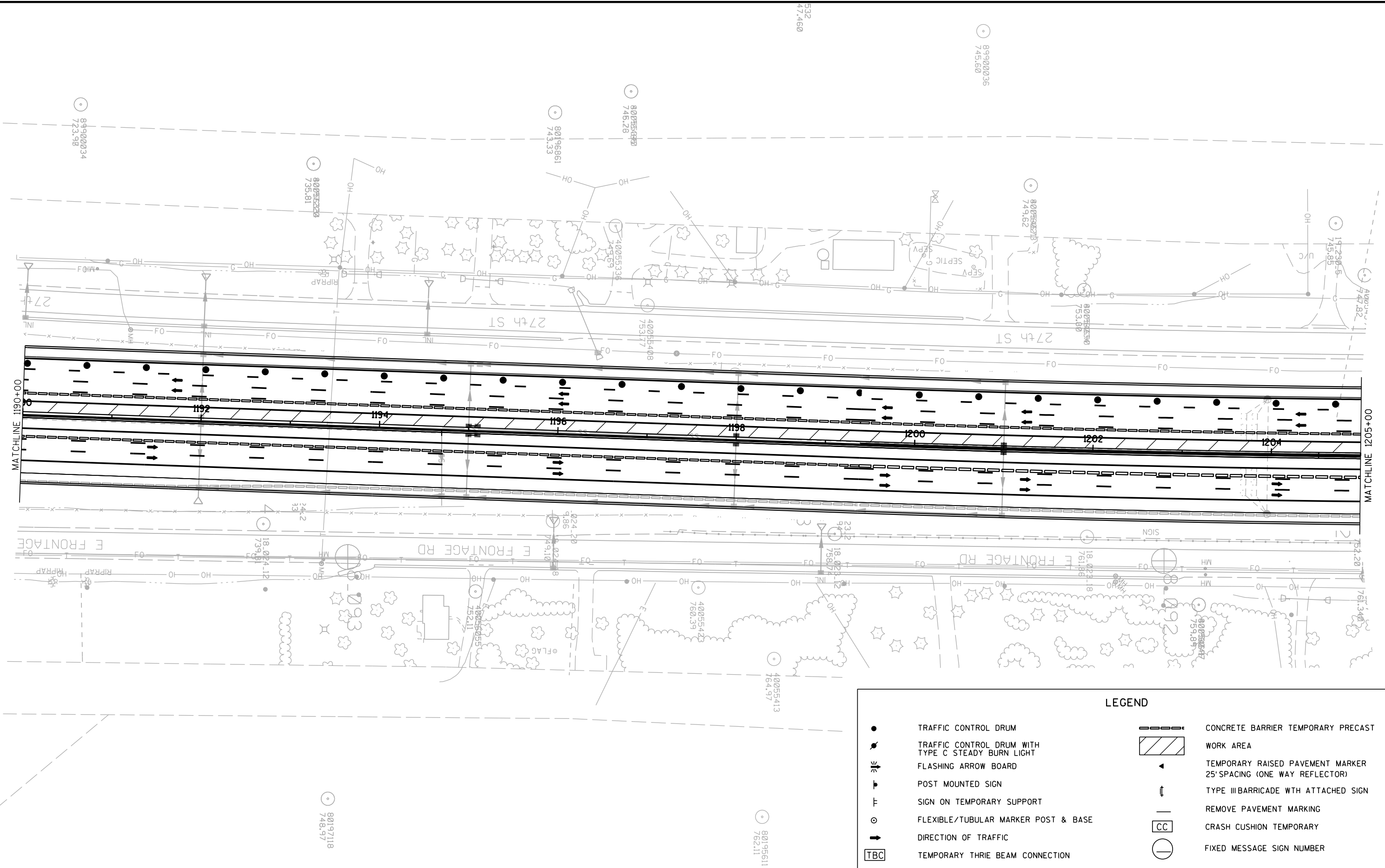
COUNTY: RACINE

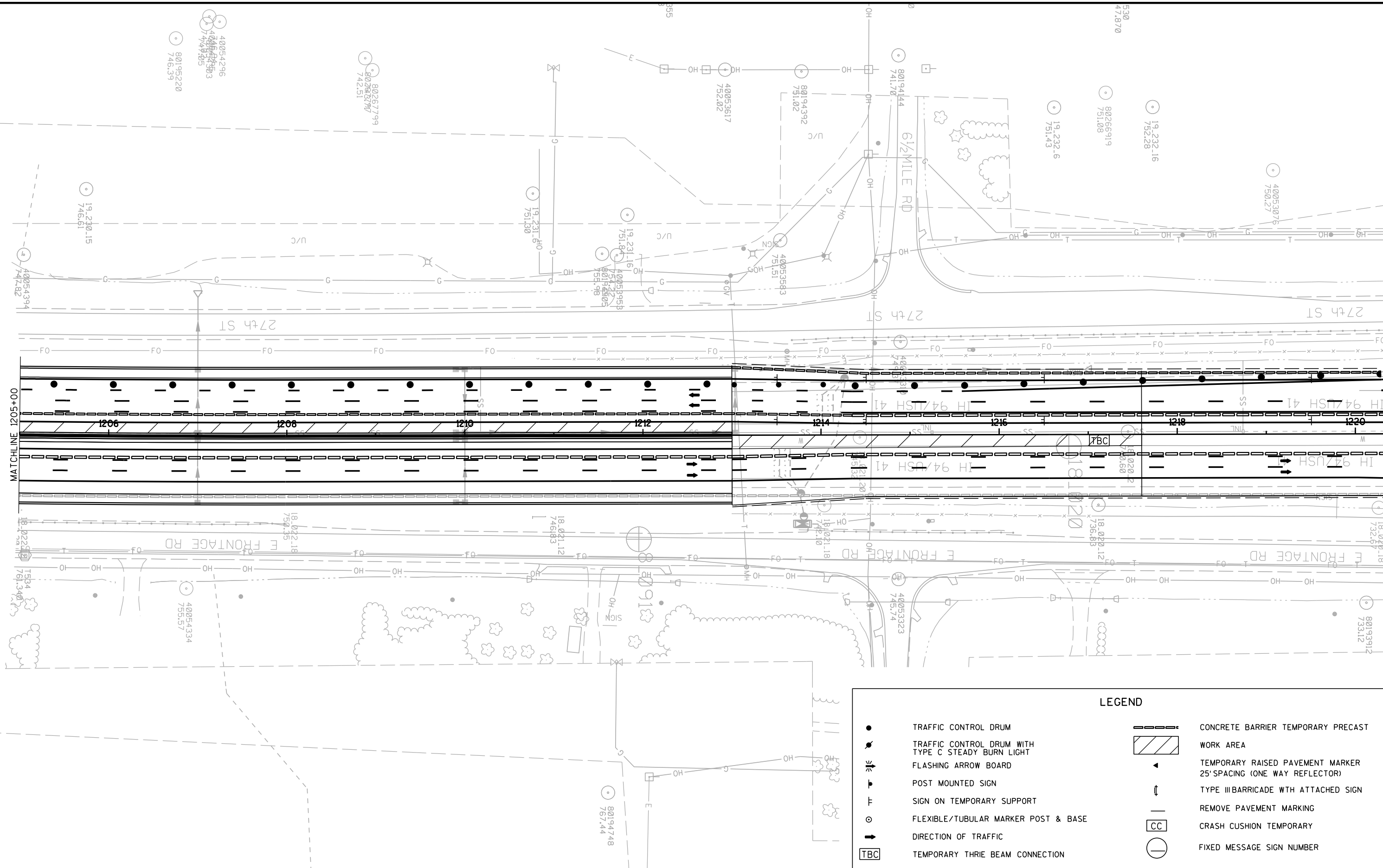
TRAFFIC CONTROL- STAGE 4C

SHEET

PRE_159

E





PROJECT NO: 1035-01-79

HWY: IH 94

COUNTY: RACINE

TRAFFIC CONTROL- STAGE 4C

SHEET

PRE_161

E

FILE NAME : Z:\Racine\CADD\20\20M\CDS\025049-1c-4C.dgn

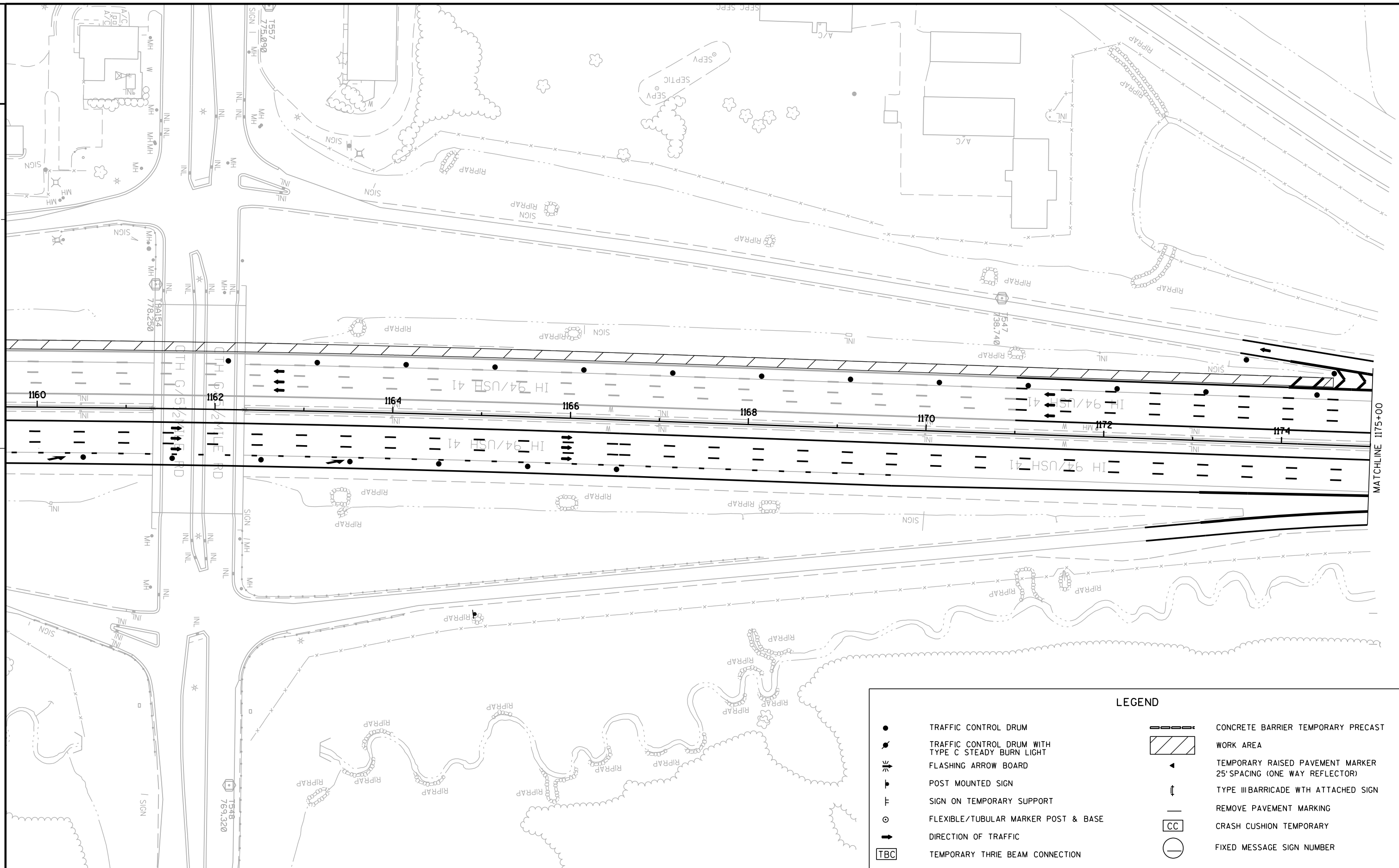
PLOT DATE : 6/14/2017

PLOT BY : heather.stabo

PLOT NAME :

PLOT SCALE : 1:100

WISDOT/CADD SHEET 42



PROJECT NO: 1035-01-79

HWY: IH 94

COUNTY: RACINE

TRAFFIC CONTROL - STAGE 4D

SHEET

PRE_162

E

FILE NAME : Z:\Racine\CADD\20\20M\CDS\025050_tc-4D.dgn

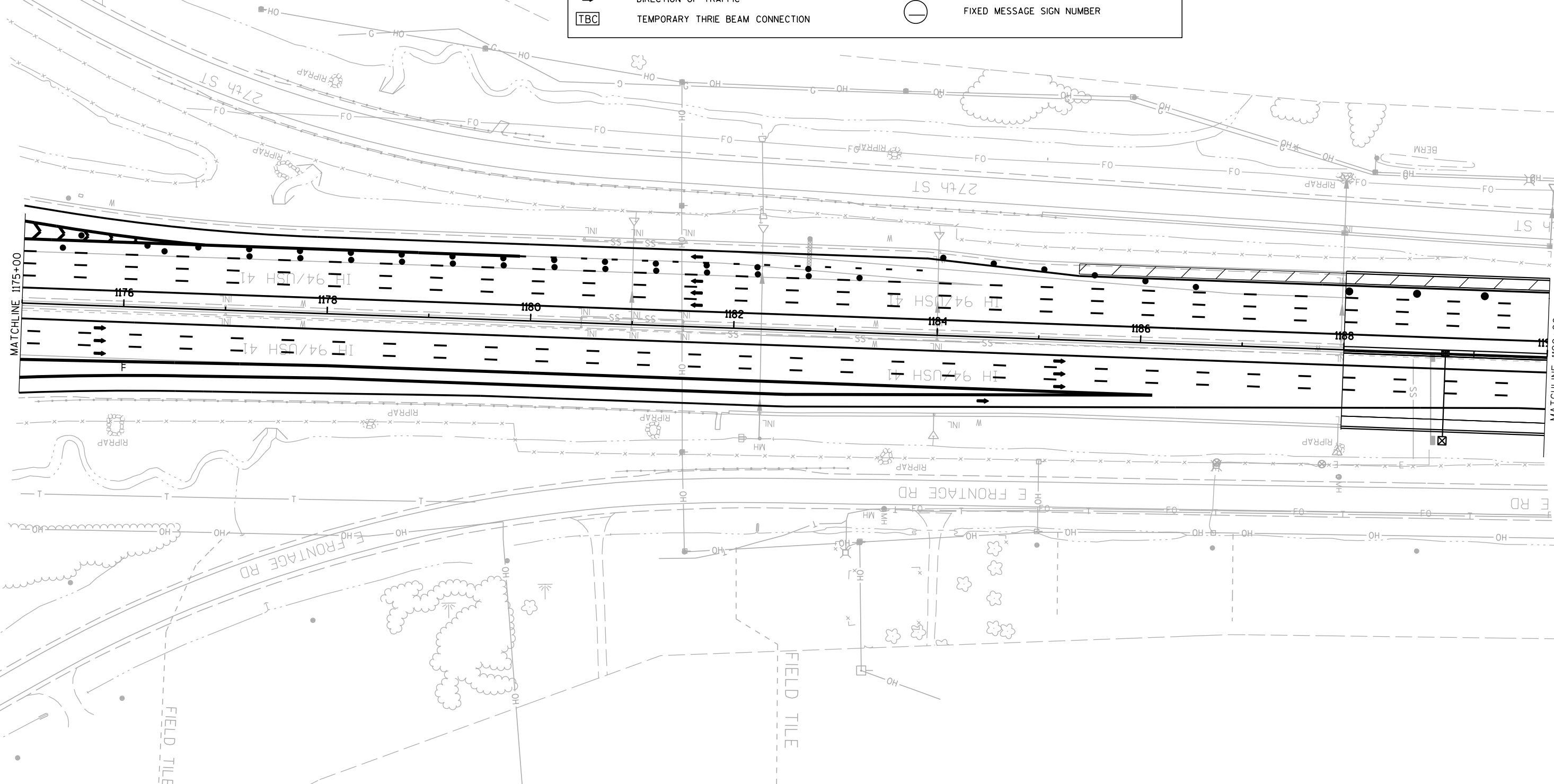
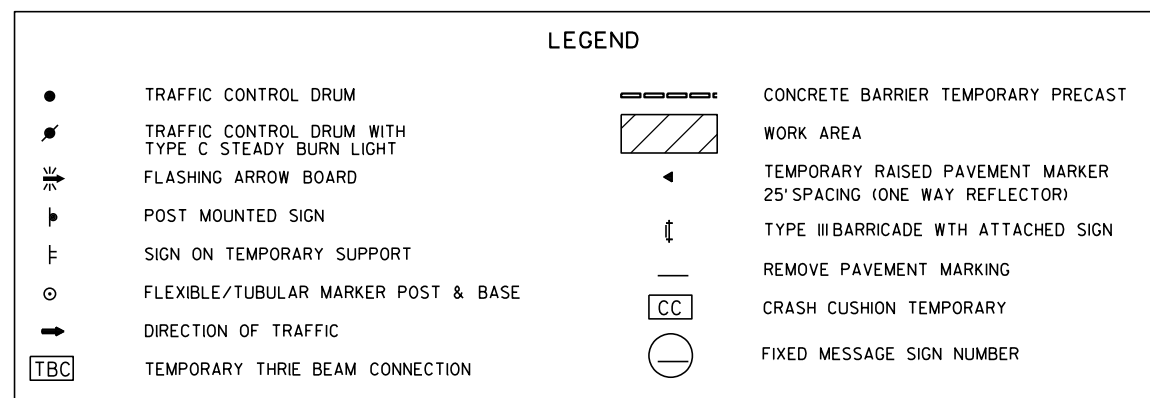
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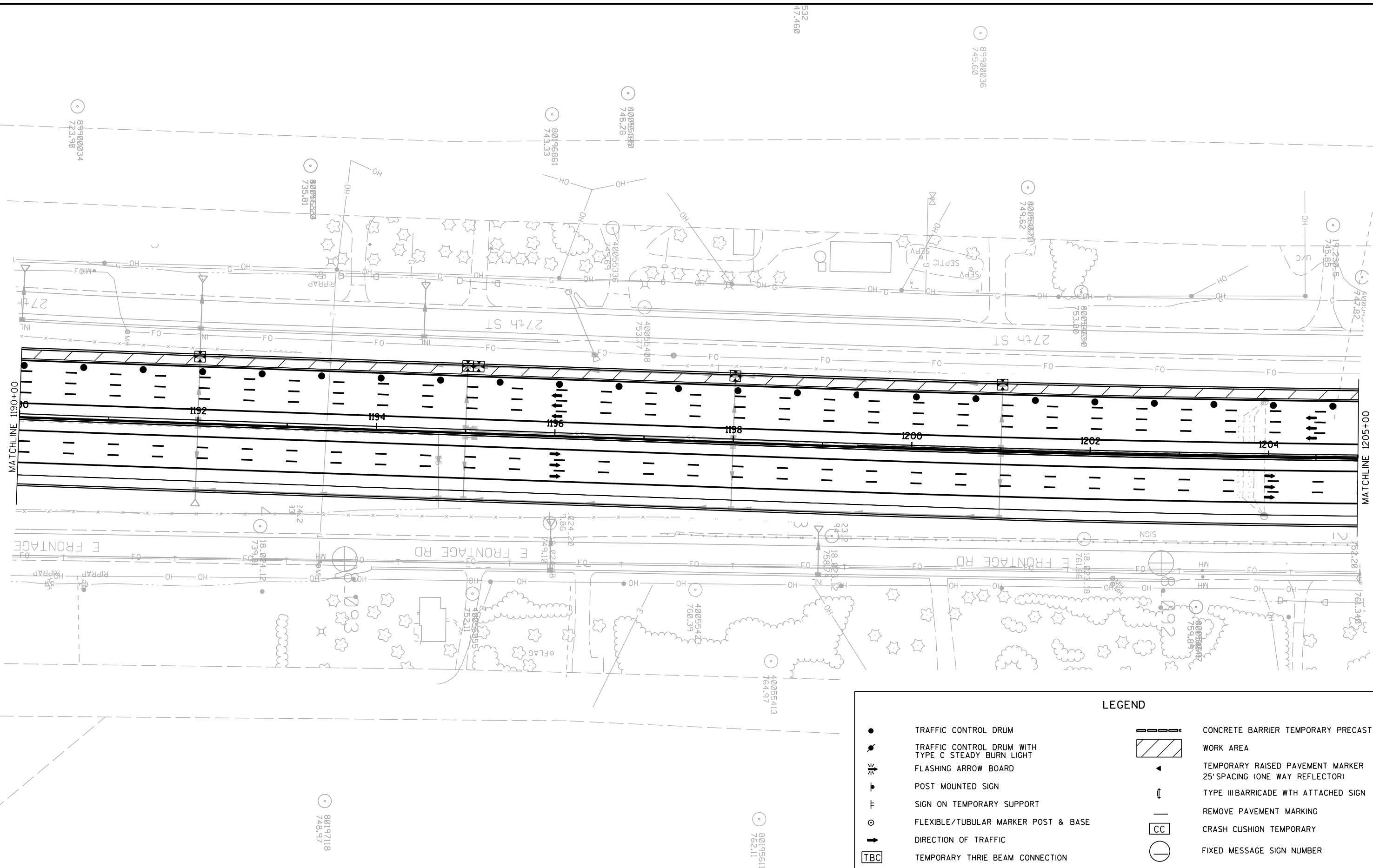
PLOT BY : heather.stabo

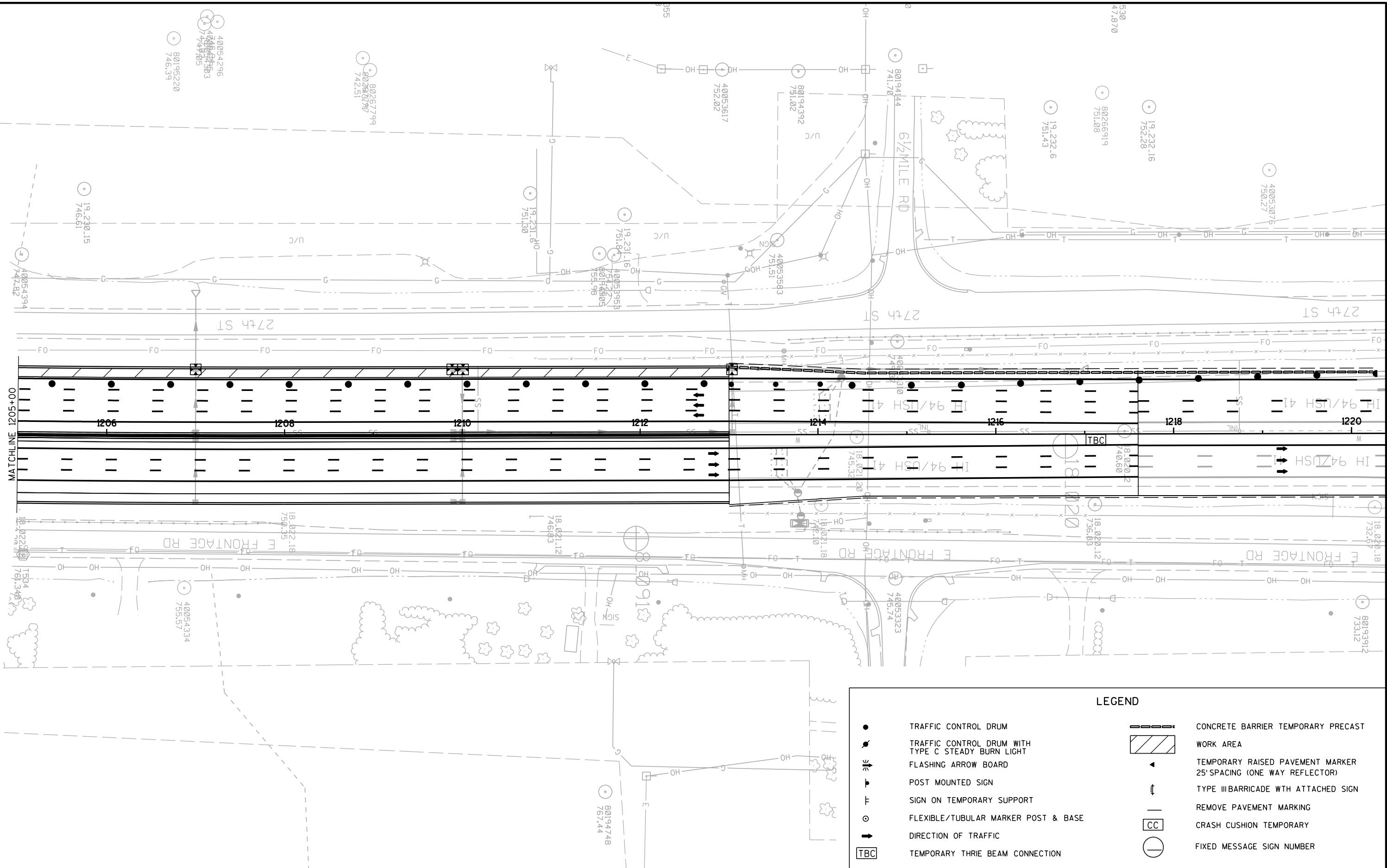
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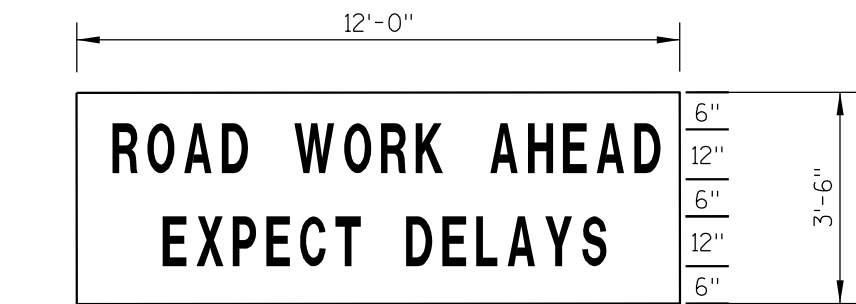
PLOT SCALE : 1:100

WISDOT/CADD SHEET 42

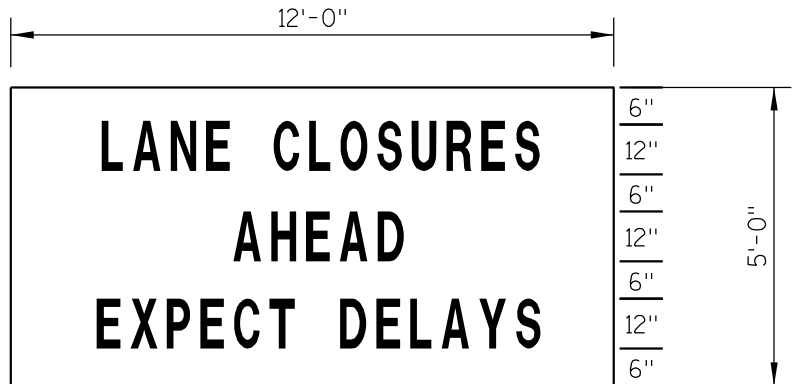




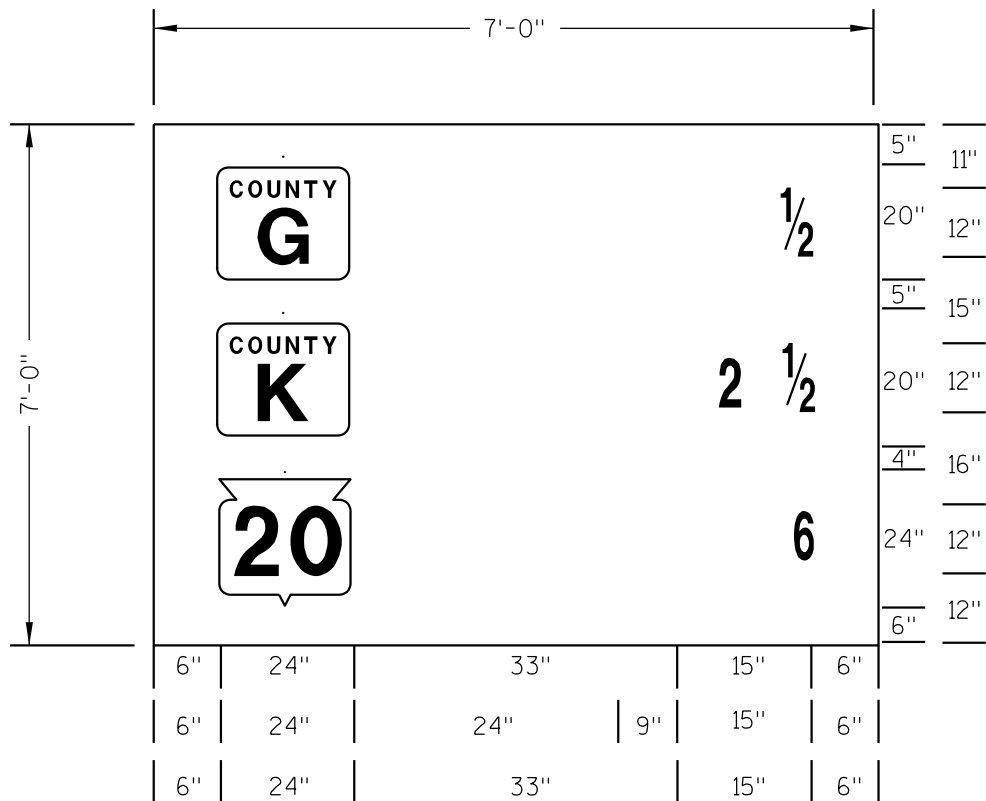




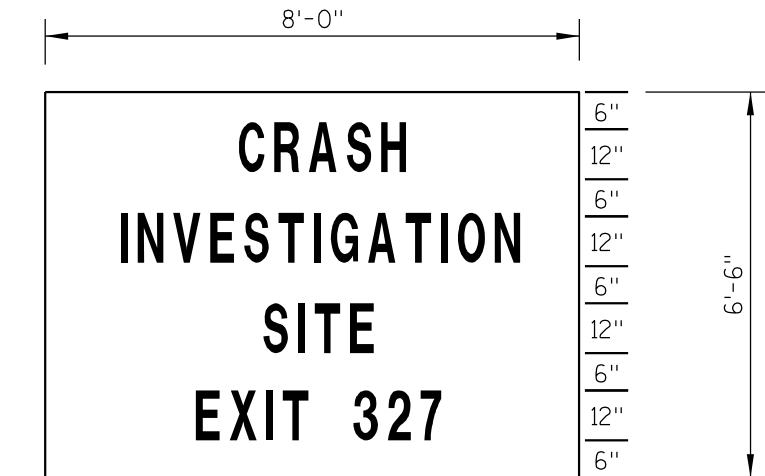
2005 2009



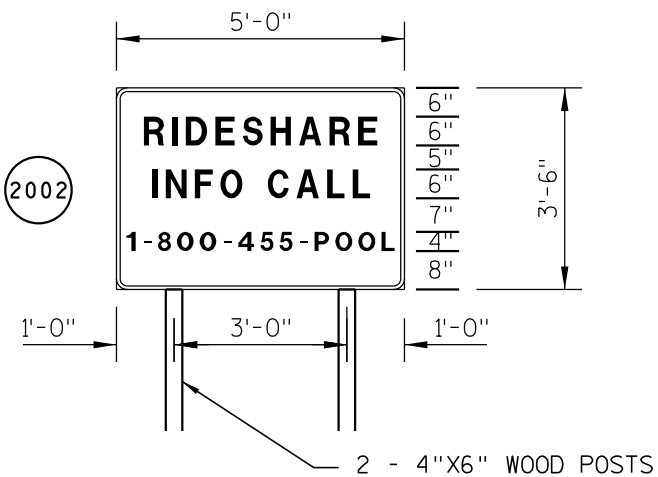
2006 2010



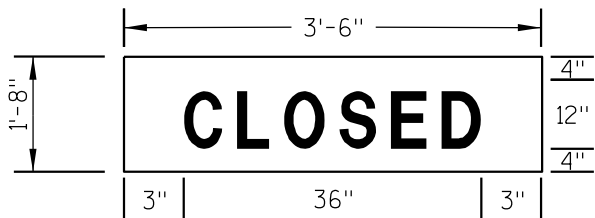
2003



2001



2002



2008

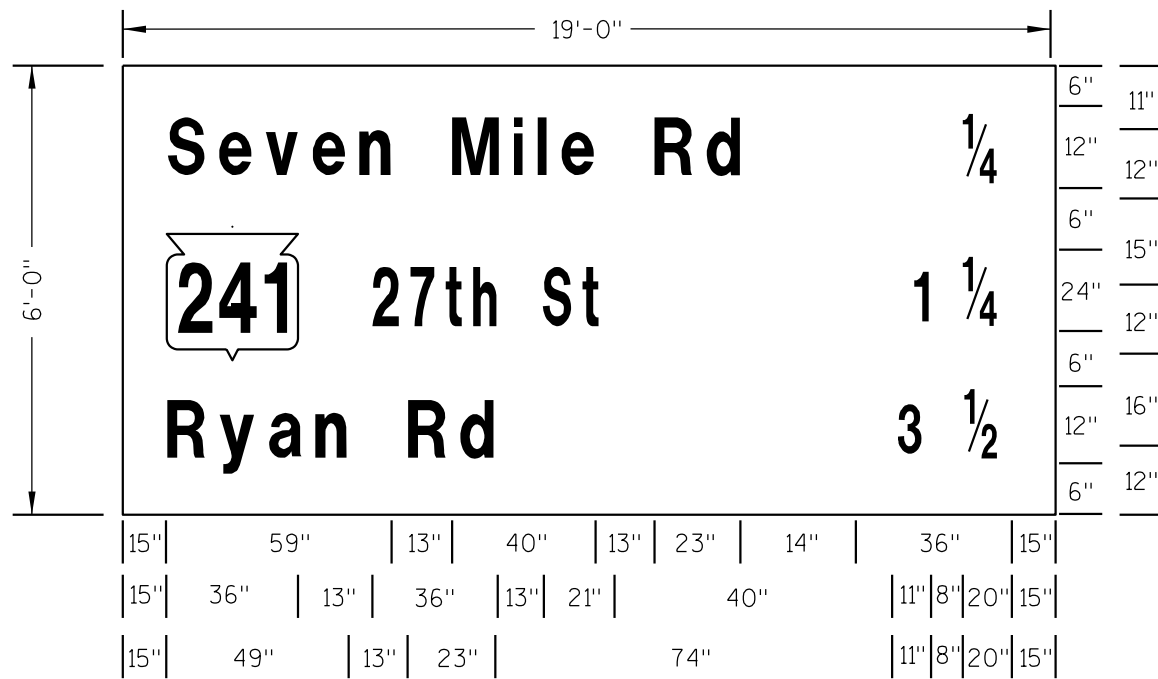
FIXED MESSAGE SIGNS

NOTES

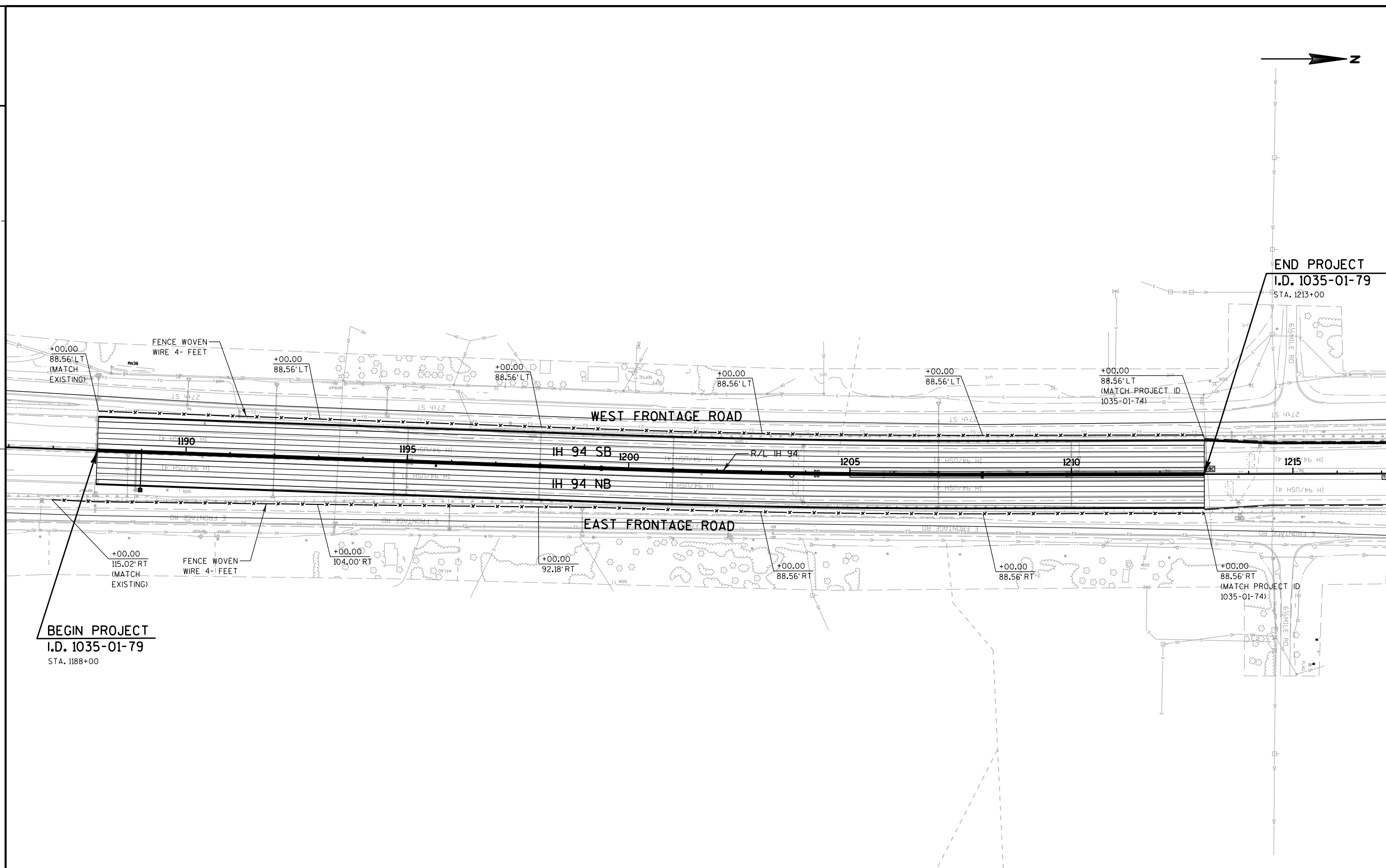
1. ALL SIGNS TO HAVE STANDARD REFLECTIVE SHEETING - REFERENCE: "WISDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," LATEST EDITION.
2. AFTER SIGNS HAVE BEEN LOCATED IN THE FIELD, BUT BEFORE INSTALLATION, THE SIGNING AND MARKING SUPERVISOR SHALL VERIFY EACH SIGN LOCATION.
3. ALL SIGNS TO BE MOUNTED ON WOODEN POST SUPPORTS (4"x6"). THE NUMBER OF POSTS REQUIRED FOR EACH LAYOUT IS SHOWN. STEEL POSTS (2"x2") MAY BE USED FOR SIGNS ON SURFACE STREETS. SIGNS WHERE NO POSTS ARE SHOWN TO BE MOUNTED ON EXISTING SIGNS.
4. POSTS SHALL MEET THE BREAKAWAY REQUIREMENTS OF SECTION 643.2.9.1 OF THE STANDARD SPECIFICATIONS AND SIGN PLATE A4-11.
5. SIGNS ON THIS SHEET TO BE PAID UNDER THE ITEM "TRAFFIC CONTROL SIGNS FIXED MESSAGE".
6. SIGNS SHALL BE BLACK NON-REFLECTIVE MESSAGE ON ORANGE REFLECTIVE BACKGROUND UNLESS OTHERWISE NOTED.
7. ALL SIGNS SHALL HAVE CAPITAL LETTERS AND NUMERALS:
12" CAPS SHALL BE SERIES "D"
6" CAPS SHALL BE SERIES "C"
8. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO ENGINEER FOR REVIEW PRIOR TO MANUFACTURING.
9. SIGN BASE MATERIAL SHALL BE ACCORDING TO SECTION 637.2.1.2.
10. DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

(XXX) = SIGN NUMBER

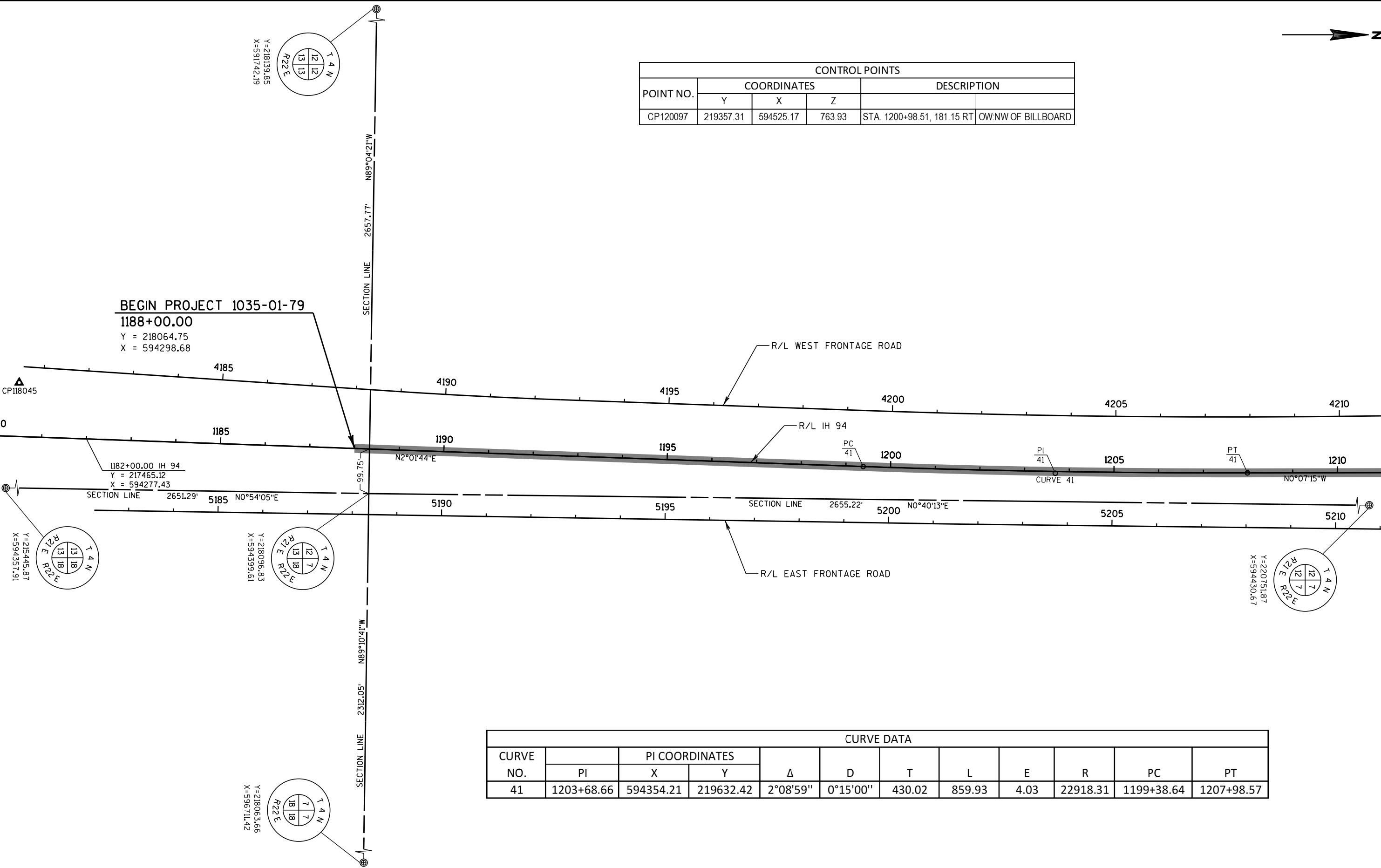
OLD SIGNS FROM SHELF PLAN
SIGNS HAVE BEEN SUBMITTED TO C.O.
FOR REDESIGN.



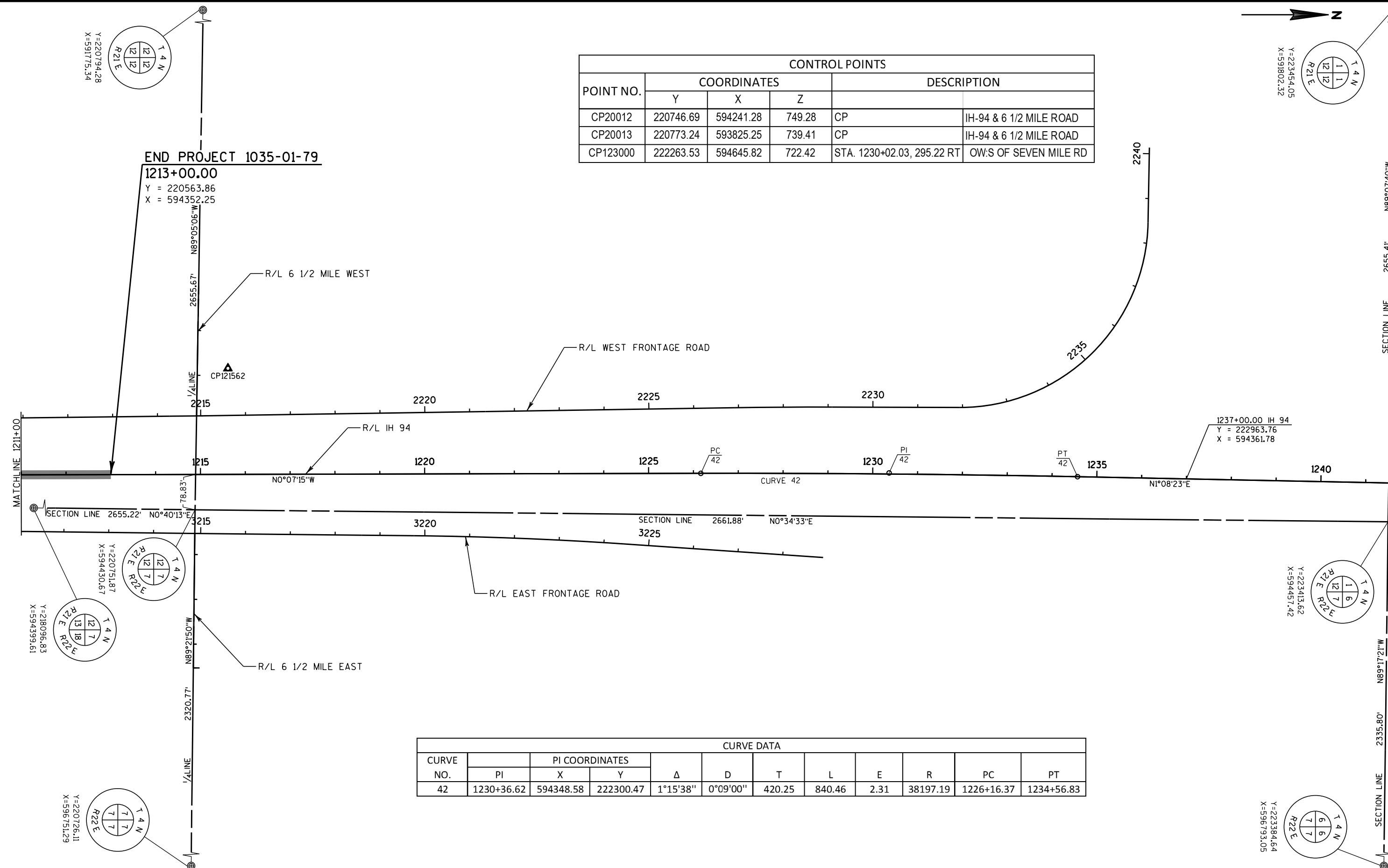
2004



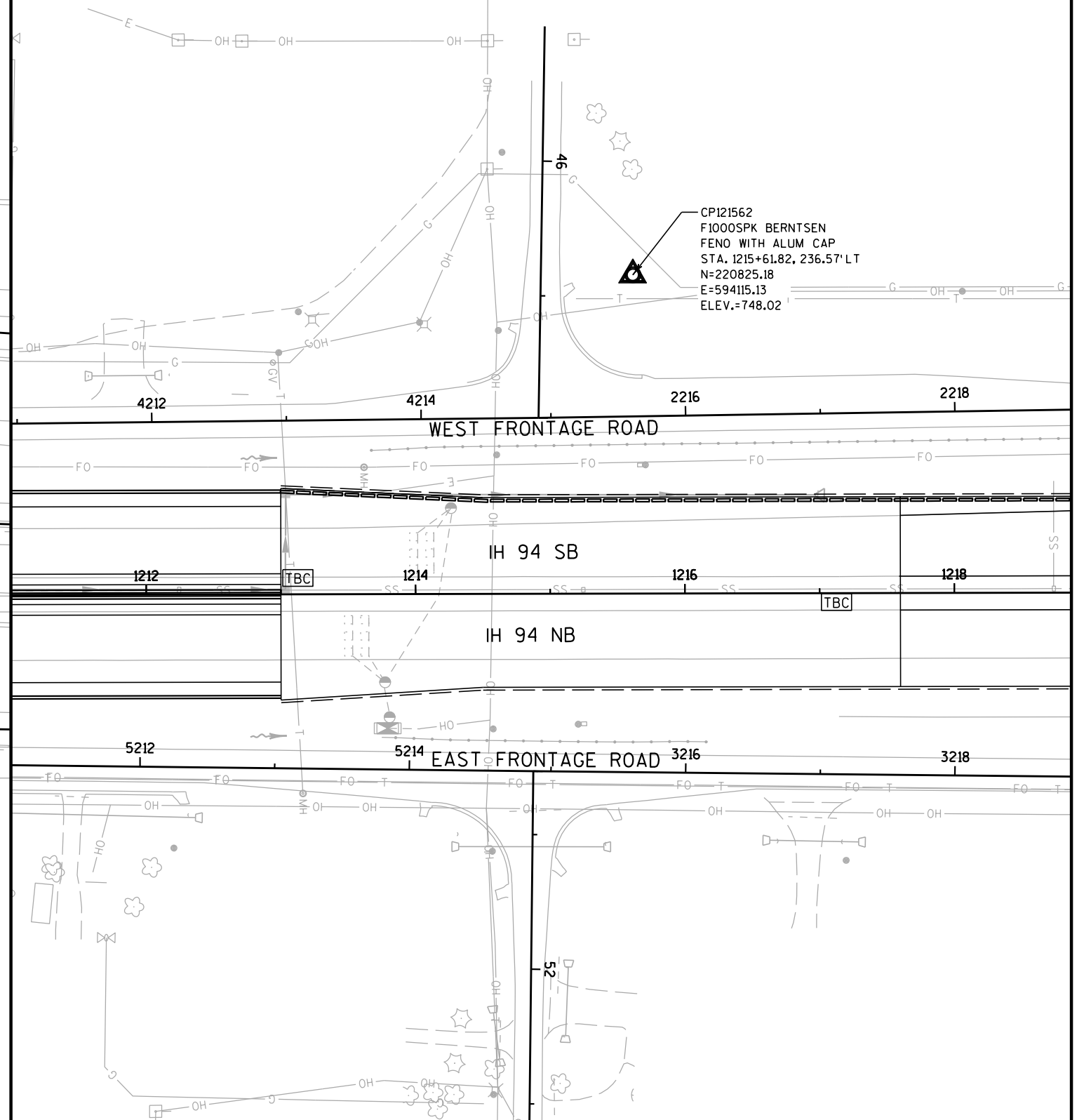
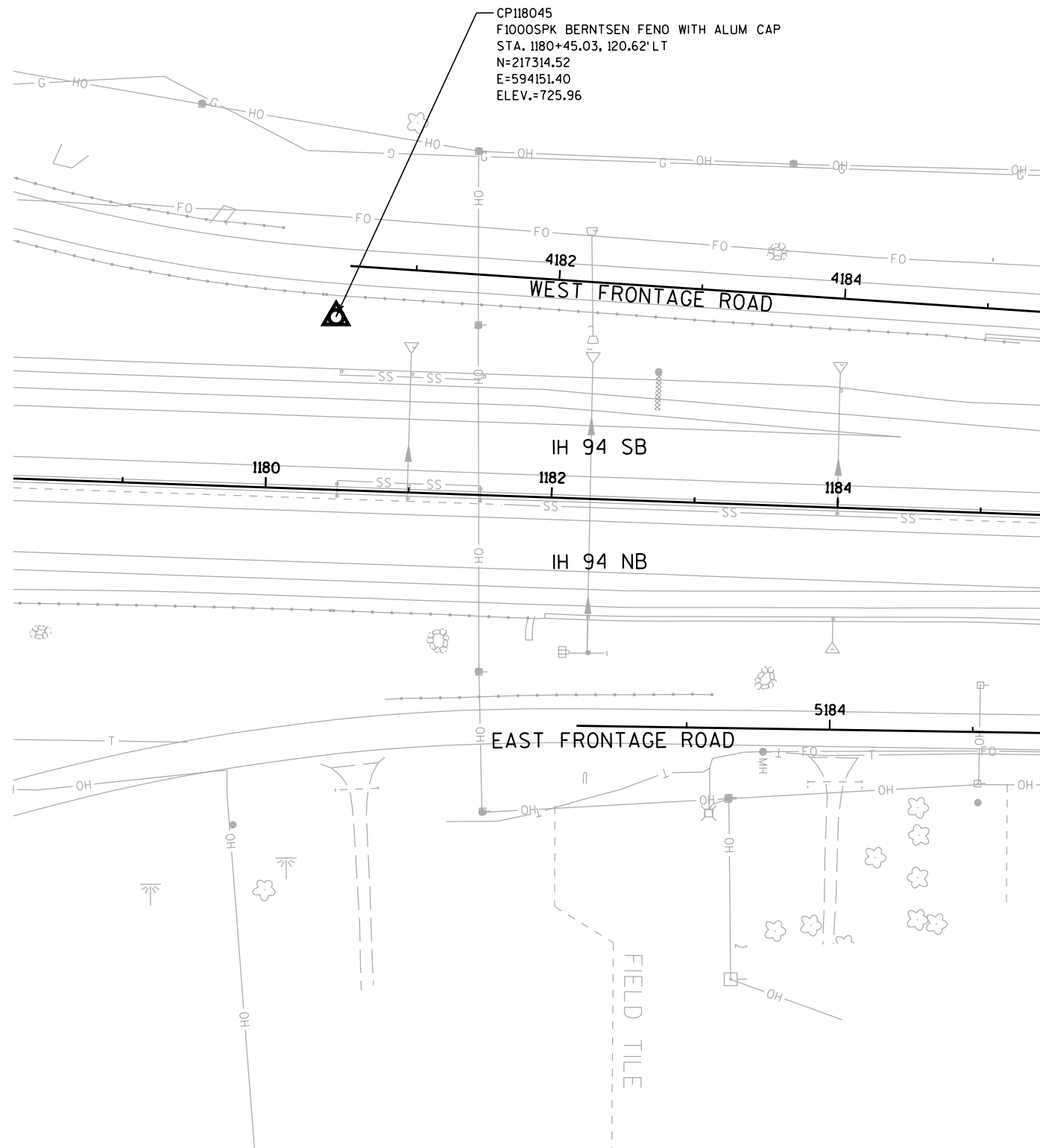
PROJECT NO: 1035-01-79	HWY: IH 94	COUNTY: RACINE	FENCING PLAN- IH 94	SHEET PRE_167	E
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CONTROL POINTS					
POINT NO.	COORDINATES			DESCRIPTION	
	Y	X	Z		
CP20012	220746.69	594241.28	749.28	CP	IH-94 & 6 1/2 MILE ROAD
CP20013	220773.24	593825.25	739.41	CP	IH-94 & 6 1/2 MILE ROAD
CP123000	222263.53	594645.82	722.42	STA. 1230+02.03, 295.22 RT	OW:S OF SEVEN MILE RD



CURVE DATA											
CURVE NO.	PI COORDINATES			Δ	D	T	L	E	R	PC	PT
	PI	X	Y								
42	1230+36.62	594348.58	222300.47	1°15'38"	0°09'00"	420.25	840.46	2.31	38197.19	1226+16.37	1234+56.83



BASELINE CPM PROGRESS SCHEDULE ITEMS

		SPV.0060.070	SPV.0060.071
		BASELINE CPM	MONTHLY CPM
		PROJECT	PROGRESS
		SCHEDULE	SCHEDULES
			UPDATES
CATEGORY	PROJECT	EACH	EACH
1000	I.D. 1030-01-79	1	30
TOTAL		1	30

REMOVING FENCE

			204.0170
			REMOVING FENCE
CATEGORY	STATION	LOCATION	LF
1000	IH 94 NORTHBOUND		
	1188+00 - 1213+00	RT	2,500
	IH 94 SOUTHBOUND		
	1188+00 - 1213+00	LT	2,500
TOTAL			5,000

REMOVING PAVEMENT

		*204.0100
		REMOVING
		PAVEMENT
CATEGORY	STATION	SY
1000	IH 94 NORTHBOUND	
	1188+00 - 1193+00	4,150
	1193+00 - 1198+00	3,450
	1198+00 - 1203+00	3,300
	1203+00 - 1208+00	3,300
	1208+00 - 1213+00	3,300
SUBTOTAL		17,500
	IH 94 SOUTHBOUND	
	1188+00 - 1193+00	4,200
	1193+00 - 1198+00	3,850
	1198+00 - 1203+00	3,850
	1203+00 - 1208+00	3,850
	1208+00 - 1213+00	3,850
SUBTOTAL		19,600
TOTAL		37,100

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

REMOVING DELINEATORS AND MARKERS

			204.0180	
			REMOVING	
			DELINEATORS	
			AND MARKERS	
CATEGORY	STAGE	STATION	EACH	COMMENTS
1000	1A	IH 94 SOUTHBOUND		
		1188+00 - 1213+00	7	DELINEATORS
		IH 94 NORTHBOUND		
		1188+00 - 1213+00	7	DELINEATORS
	4C	1162+00 - 1174+00	24	TUBULAR MARKERS & BASES
TOTAL			38	

3

REMOVING SIGN BRIDGE NOTCH												
			204.0100*	204.0157*	209.0200.S*	305.0120*	465.0125*	603.8000*	603.8125*	690.0250*	204.9105.S.007	204.9105.S.005
			REMOVING	REMOVING	BACKFILL	BASE	ASPHALTIC	CONCRETE	CONCRETE			
			PAVEMENT	CONCRETE	CONTROLLED	AGGREGATE	SURFACE	TEMPORARY	TEMPORARY			
			SY	LF	LOW STRENGTH	DENSE	TEMPORARY	PRECAST	PRECAST	SAWING	REMOVING	REMOVING
					CY	1-1/4 INCHES		DELIVERED	INSTALLED	CONCRETE	SIGN STRUCTURE	SIGN STRUCTURE
CATEGORY	STATION	STAGE				TON	TON	LF	LF	LF	S-51-401	S-51-204
											LS	LS
1000	IH-94											
	1188+88	1B	12	55	10	8	8	65	65	45	1	0
	1205+75	1B	12	55	10	8	8	65	65	45	0	1
TOTAL			24	110	20	16	16	130	130	90	1	1

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

3

REMOVING UNDERDRAIN

			204.9090.S.001
			REMOVING
			UNDERDRAIN
CATEGORY	STAGE	STATION	LF
1000	2	IH 94 SOUTHBOUND	
		1188+00 - 1213+00	2,500
	4A	IH 94 NORTHBOUND	
		1188+00 - 1213+00	2,500
TOTAL			5,000

ABANDONING SEWER

		204.0291.S	
		ABANDONING	
		SEWER	
CATEGORY	STATION	CY	COMMENTS
1000	IH 94 NORTHBOUND		
	1188+68	5	15" SSPRC
	1994+72	20	18" SSPRC
	UNDISTRIBUTED	1	
SUBTOTAL		26	
	IH 94 SOUTHBOUND		
	1198+68 - 1202+76	3	6" UNDERDRAIN
	1202+76 - 1205+74	2	6" UNDERDRAIN
	1206+68 - 1208+64	9	15" SSPRC
	1208+64 - 1210+10	7	15" SSPRC
	1210+18	5	18" SSPRC
	1210+18 - 1212+25	1	6" UNDERDRAIN
	1212+25 - 1213+00	2	12" SSPRC
	UNDISTRIBUTED	3	
SUBTOTAL		32	
TOTAL		58	

REMOVING SLOTTED VANE DRAIN

		204.9060.S.003	
		REMOVING	
		SLOTTED	
		VANE DRAIN	
CATEGORY	STATION	EACH	COMMENTS
1000	IH 94 MEDIAN		
	1194+75 - 1194+95	1	20' LENGTH
	1195+50 - 1195+70	1	20' LENGTH
	1197+20 - 1197+60	1	40' LENGTH
	1198+60 - 1199+00	1	40' LENGTH
TOTAL		4	

REMOVING INLET

			204.0220
			REMOVING
			INLETS
CATEGORY	STATION	LOCATION	EACH
1000	IH 94 SOUTHBOUND		
	1188+50	MEDIAN	1
	1194+70	1' LT	1
	1198+70	1' LT	1
TOTAL			3

PROJECT NO: 1035-01-79

HWY: IH 94

COUNTY: RACINE

MISCELLANEOUS QUANTITIES

SHEET

PRE_172

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3

REMOVING STORM SEWER					
CATEGORY	STAGE	STATION	204.0245.002	204.0245.006	204.0245.008
			REMOVING STORM SEWER 6-INCH LF	REMOVING STORM SEWER 15-INCH LF	REMOVING STORM SEWER 18-INCH LF
1000	2	IH 94 SOUTHBOUND			
		1194+68	575	--	4
		1194+70 - 1198+68	--	390	--
		1196+35	--	6	--
		SUBTOTAL	575	396	4
4A		IH 94 NORTHBOUND			
		1188+00 - 1194+68	670	--	86
		1188+68	--	100	--
		1194+70	--	--	80
		TOTAL	1,245	496	170

3

REMOVING BARRIER					
CATEGORY	STAGE	STATION	204.0157*	204.9090.S.003	
			REMOVING CONCRETE BARRIER LF	REMOVING CONCRETE BARRIER TEMPORARY LF	
1000	2	IH 94			
		1188+00 - 1202+65	--	1,465	
		1188+50 - 1191+80	330	--	
		1202+65 - 1213+00	1,035	--	
		TOTAL	1,365	1,465	

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

FINISHING ROADWAY PROJECT ID 1035-01-79

CATEGORY	STATION	213.0100.064
		FINISHING ROADWAY EACH
1000	IH 94 NORTHBOUND	0.5
	IH 94 SOUTHBOUND	0.5
TOTAL		1

REMOVING RUMBLE STRIPS

CATEGORY	STAGE	STATION	LOCATION	SPV.0180.004	SPV.0180.013
				REMOVING CONCRETE RUMBLE STRIPS SY	PROFILE MILLING SY
1000	1A	IH 94 NORTHBOUND			
		1194+00 - 1213+00	OUTSIDE SHOULDER	703	2,567
	1B	IH 94 NORTHBOUND			
		1188+00 - 1213+00	INSIDE SHOULDER	926	6,670
		TOTAL		1,629	9,237

EXCAVATION

Division	From/To Station	Location	Common Excavation (1)	(item # 205.0100)	Salvaged/Unusable Pavement Material (4)	Available Material (5)	Reduced EBS in Fill (6)	Expanded EBS Backfill (7)	Unexpanded Fill (8)	Expanded Fill (9)	Mass Ordinate +/- (10)	Waste (11)	Borrow (12)	Select Borrow
			Cut (2)	EBS Excavation (3)			Factor 0.80	Factor 1.30		Factor 1.20			(item #208.0100)	(item #208.1100)
1A	1194+00 to 1213+00	NORTHBOUND	1,612	322	0	1,612	258	419	928	1,114	-498	322	498	419
Division 1A Subtotal			1,612	322	0	1,612	258	419	928	1,114	-498	322	498	419
2	1188+00 to 1213+00	SOUTHBOUND	6,584	1,317	2,392	4,191	1,053	1,712	3,713	4,456	264	3,709	264	1,712
	EBS AT DITCH FILLS	SOUTHBOUND	0	1,793	0	0	1,434	2,330	0	0	0	1,793	0	2,330
Division 2 Subtotal			6,584	3,109	2,392	4,191	2,487	4,042	3,713	4,456	264	5,502	264	4,042
3	1188+00 to 1200+00	NORTHBOUND	4,128	826	1,171	2,957	661	1,073	850	1,020	-1,937	1,997	1,937	1,073
Division 3A Subtotal			4,128	826	1,171	2,957	661	1,073	850	1,020	-1,937	1,997	1,937	1,073
4A	1188+00 to 1201+50	NORTHBOUND	4,146	829	1,015	3,131	663	1,078	829	995	2,136	1,845	2,136	1,078
Division 3C Subtotal			4,146	829	1,015	3,131	663	1,078	829	995	2,136	1,845	2,136	1,078
4B,C	1188+00 to 1213+00	NORTHBOUND	5,830	1,166	2,854	2,976	933	1,516	5,030	6,036	-3,061	960	3,061	1,516
	EBS AT DITCH FILLS	NORTHBOUND	0	2,000	0	0	1,600	2,600	0	0	0	2,000	0	2,600
Division 4 Subtotal			5,830	3,166	2,854	2,976	2,533	4,116	5,030	6,036	-3,061	2,960	3,061	4,116
Grand Total			22,301	8,253	7,433	14,867	6,602	10,729	11,351	13,621	-3,096	12,626	5,496	10,729
Total Common Excavation			30,553											

- 1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100
- 2) Salvaged/Unusable Pavement Material is included in Cut unless existing pavement is below subgrade. (Existing Pavement EBS)
- 3) EBS Excavation to be backfilled with Select Borrow
- 4) Existing pavement volume (CY), not available for fill
- 5) Available Material = Cut - Salvaged/Unusable Pavement Material (0 if negative)
- 6) Reduced EBS in Fill - For Information Only. Excavated EBS material is assumed to be unused in Fills including outside the 1:1 slope. EBS in Fill Reduction factor = 0.8
- 7) Expanded EBS Backfill - This is to be filled with Select Borrow material. EBS Backfill Factor = 1.3. Item number 208.1100
- 8) Unexpanded Fill = Fill from Endarea Earthwork Volumes + Existing Pavement EBS
- 9) Fill Factor = 1.20, Expanded Fill = Unexpanded Fill x 1.20
- 10) Mass Ordinate = (Available Material) - (Expanded Fill). Plus quantity indicates an excess of material within the Division. Minus quantity indicates a shortage of material within the Division.
- 11) Waste = EBS + Salvaged/Unusable Pavement Material + Mass Ordinate (if positive within Division)
- 12) Borrow = Mass Ordinate if negative within Division

3

BACKFILL ITEMS

		209.0200.S*	209.2500**	SPV.0035.005
		BACKFILL	BACKFILL	BACKFILL
		CONTROLLED	GRANULAR	SLURRY
		LOW STRENGTH	GRADE 2	
CATEGORY	LOCATION	CY	TON	CY
1000	UNDISTRIBUTED	10	150	20
TOTAL		10	150	20

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE
**TO BE USED AT RETAINING WALL INLETS, HOLES FROM REMOVALS OR ABANDONMENT OF STRUCTURES AND ANY OTHER LOCATION AT THE DIRECTION OF THE ENGINEER.

BASE AGGREGATE ITEMS

			*305.0120	312.0115	335.0100
			BASE		
			AGGREGATE	SELECT	
			DENSE	CRUSHED	
			1 1/4-INCH	MATERIAL	RUBBLIZING
CATEGORY	STAGE	LOCATION	TON	CY	SY
1000	1A	IH 94 NORTHBOUND			
		1194+00 - 1213+00	1,740	1,530	--
		UNDISTRIBUTED	210	170	--
		SUBTOTAL	1,950	1,700	--
		IH 94 SOUTHBOUND			
	2	1188+00 - 1213+00	7,675	8,280	2,030
	2	1188+00 - 1200+00	2,495	4,110	--
		UNDISTRIBUTED	1,030	1,240	200
		SUBTOTAL	11,200	13,630	2,230
		IH 94 NORTHBOUND			
	4A,B	1188+00 - 1213+00	8,000	8,800	2,030
	4C	1188+00 - 1201+50	2,170	3,230	--
		UNDISTRIBUTED	1,030	1,210	200
		SUBTOTAL	11,200	13,240	2,230
TOTAL			24,350	28,570	4,460

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

ASPHALTIC ITEMS

			*460.7423	455.0605	*465.0125	495.1000.S
			HMA		ASPHALTIC	
			PAVEMENT	TACK	SURFACE	COLD
			3MT 58-28S	COAT	TEMPORARY	PATCH
			TON	GAL	TON	TON
CATEGORY	STAGE	STATION				
1000	1A	IH 94 NORTHBOUND				
		1190+00 - 1213+00	--	--	725	--
		SUBTOTAL	--	--	725	--
	2	CROSSOVER				
		1213+00 - 1228+00	1,870	655	--	--
		1200+00 - 1203+00				
		SUBTOTAL	1,870	655	--	--
	4A	IH 94 NORTHBOUND				
		1188+00 - 1213+00	560	195		
		1213+00 - 1217+00	3,230	1,125	--	--
		SUBTOTAL	3,790	1,320	--	--
		UNDISTRIBUTED	--	--	--	10
TOTAL			5,660	1,975	725	10

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

CONCRETE ITEMS

			SPV.0180.012	715.0710
			CONCRETE	OPTIMIZED
			PAVEMENT	AGGREGATE
			12-INCH	GRADATION
			SPECIAL	INENTIVE
			SY	DOL
CATEGORY	STAGE	STATION		
1000		IH 94 NORTHBOUND		
	2	1188+00 - 1213+00	20,470	\$23,030
		SUBTOTAL	20,470	\$23,030
		IH 94 SOUTHBOUND		
	4A	1188+00 - 1213+00	20,445	\$23,000
		SUBTOTAL	20,445	\$23,000
TOTAL			40,915	\$46,030

PROJECT NO: 1035-01-79

HWY: IH 94

COUNTY: RACINE

MISCELLANEOUS QUANTITIES

SHEET

PRE_175

E

CONCRETE RUMBLE STRIPS

				416.1110
				CONCRETE SHOULDER
				RUMBLE STRIPS
CATEGORY	STAGE	STATION - STATION	LOCATION	LF
1000	4A	1137+00 - 1188+00	NB MEDIAN SHOULDER	5,100
		1152+00 - 1174+60	SB OUTSIDE SHOULDER	2,260
		1185+20 - 1188+00	SB OUTSIDE SHOULDER	280
	4C	1137+00 - 1188+00	SB MEDIAN SHOULDER	5,100
	4D	1150+00 - 1173+60	NB OUTSIDE SHOULDER	2,360
		1180+10 - 1188+00	NB OUTSIDE SHOULDER	790
TOTAL				15,890

ASPHALTIC FLUMES

465.0315 ASPHALTIC FLUMES			
CATEGORY	LOCATION	STATION	SY
1000	IH 94 NORTHBOUND	1213+00	11
	IH 94 SOUTHBOUND	1213+00	11
TOTAL			22

DRILLED DOWEL BARS

416.0620 DRILLED DOWEL BARS		
CATEGORY	LOCATION	EACH
1000	IH 94 NORTHBOUND	
	1188+00	56
IH 94 SOUTHBOUND		
	1188+00	56
TOTAL		112

INCENTIVE IRI RIDE

440.4410 INCENTIVE IRI RIDE		
CATEGORY	ROADWAY	DOL
1000	IH 94 NORTHBOUND	
	1188+00 - 1213+00	\$10,000
IH 94 SOUTHBOUND		
	1188+00 - 1213+00	\$10,000
TOTAL		\$20,000

CONCRETE PAVEMENT JOINT LAYOUT

SPV.0105.095		
CATEGORY	PROJECT	LS
1000	1035-01-79	0.1
TOTAL		0.1

PAVEMENT REPAIR												
					460.7423*	460.7624	SPV.0195.004	390.0303	SPV.0060.016	209.0200.S*	305.0120*	
					HMA	HMA	HMA	BASE	MOBILIZATION	BACKFILL	BASE	
					PAVEMENT	PAVEMENT	LONGITUDINAL	PATCHING	EMERGENCY	CONTROLLED	AGGREGATE	
					3HT 58-28H	4HT 58-28V	JOINT REPAIR	CONCRETE	PAVEMENT	LOW	DENSE	
CATEGORY	STAGE	ROADWAY	STATION	LOCATION	TON	TON	TON	SY	EACH	CY	TON	
1000	1B	IH-94 NB										
			1194+70	MEDIAN	--	--	--	13	--	--	--	
			1198+70	MEDIAN	--	--	--	13	--	--	--	
			1199+70	MEDIAN	--	--	--	13	--	--	--	
			1206+70	MEDIAN	--	--	--	13	--	--	--	
			1208+70	MEDIAN	--	--	--	13	--	--	--	
			1210+20	MEDIAN	--	--	--	13	--	--	--	
			1212+20	MEDIAN	--	--	--	13	--	--	--	
	UNDISTRIBUTED			SHOULDER	39	14	310	109	2	7	14	
TOTALS (I.D. 1035-01-79)					39	14	310	200	2	7	14	

* ADDITIONAL QUANTITIES LISTED ELSEWHERE - -

DRAIN TILE												
		611.0535 MANHOLE COVERS TYPE J	612.0206 PIPE UNDERDRAIN UNPERFORATED	612.0208	612.0210	612.0212	612.0406	612.0408	612.0410	612.0412	612.0700	SPV.0020.02 MANHOLES 4-FT DIAMETER
		SPECIAL	6-INCH	8-INCH	10-INCH	12-INCH	6-INCH	8-INCH	10-INCH	12-INCH	EXPLORATION	SPECIAL
CATEGORY	LOCATION	EACH	LF	LF	LF	LF	LF	LF	LF	LF	LF	VF
1000	UNDISTRIBUTED	2	50	50	50	50	200	200	200	200	100	24
		2	50	50	50	50	200	200	200	200	100	24

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

PIPE UNDERDRAIN ITEMS					612.0106	645.0111
					PIPE	GEOTEXTILE
					UNDERDRAIN	TYPE DF
					6-INCH	SCHEDULE A
CATEGORY	STATION	LOCATION			LF	LF
1000	1188+00 - 1213+00	NB OUTSIDE EDGE			2,500	1,389
	1188+00 - 1213+00	NB MEDIAN			2,500	1,389
	1188+00 - 1213+00	SB OUTSIDE EDGE			2,500	1,389
TOTALS					7,500	4,167

CONTINUED ON NEXT PAGE

CONTINUED FROM PREVIOUS PAGE					STORM SEWER ITEMS											
					608.0415	608.0418	608.0424	608.0430	608.2319	522.1024	520.7000	SPV.0060.092	611.8120.S	633.5200		
					STORM SEWER PIPE REINFORCED CONCRETE CLASS IV				STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE	CLEANING CULVERT PIPES	RECONNECT STORM SEWER LATERALS	COVER PLATES TEMPORARY	MARKERS CULVERT END		
FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE	15-INCH LF	18-INCH LF	24-INCH LF	30-INCH LF	19x30-INCH LF	24-INCH EACH	EACH	EACH	EACH	EACH	NOTES	
116	118	747.10	744.10	1.00%	--	--	300	--	--	--	--	--	--	--	SEE NOTE 6	
117	116	747.45	747.10	0.50%	--	--	70	--	--	--	--	--	1	--	SEE NOTE 7; INSTALL PLATE IN STAGE 3C	
118	120	744.10	740.50	1.20%	--	--	300	--	--	--	--	--	--	--	SEE NOTE 6	
119	118	744.45	744.10	0.50%	--	--	70	--	--	--	--	--	1	--	SEE NOTE 7; INSTALL PLATE IN STAGE 3C	
120A	123	740.10	736.30	1.40%	--	--	272	--	--	--	--	--	--	--	SEE NOTE 6	
120	120A	740.50	740.10	1.43%	--	--	28	--	--	--	--	--	--	--	SEE NOTE 6	
121A	121	741.65	741.60	0.50%	10	--	--	--	--	--	--	--	--	--		
121	120	740.85	740.50	0.50%	--	--	70	--	--	--	--	--	--	--	SEE NOTE 7	
122	123	737.40	736.65	1.07%	--	--	70	--	--	--	--	--	--	--	SEE NOTE 7	
123	124	736.30	736.10	1.43%	--	--	14	--	--	--	--	--	--	--	SEE NOTE 6	
124	OUTFALL	736.10	736.04	1.00%	--	--	--	--	--	1	--	--	--	1		
125	126	750.95	750.60	0.50%	--	--	--	--	70	--	--	--	--	--	SEE NOTE 6	
126	111	750.60	750.55	0.50%	--	--	--	--	9	--	--	--	--	--	SEE NOTE 6	
127	128	746.43	745.73	1.00%	--	--	70	--	--	--	--	--	--	--	SEE NOTE 7	
128	114	745.73	745.63	1.00%	--	--	10	--	--	--	--	--	--	--	SEE NOTE 6	
129	127	746.78	746.73	0.50%	--	--	10	--	--	--	--	--	--	--		
130	128	746.48	746.38	1.00%	10	--	--	--	--	--	--	--	--	--	SEE NOTE 6	
EXIST.	120A	743.0	740.60	6.86%	--	35	--	--	--	--	--	1	--	--	ST.2; MATCH EXIST. PIPE ELEV. AT 39.25' RT	
EXIST.	EXIST.	743.5	743.00	1.25%	--	40	--	--	--	--	--	1	--	--	ST.3A; MATCH EXIST. PIPE ELEV.	
SUBTOTAL					20	75	1,284	--	79	1	--	2	2	1		
											--					
											--					
101	102	748.20	747.87	0.50%	--	--	66	--	--	--	--	--	--	--		
102	104	747.77	744.78	1.00%	--	--	300	--	--	--	--	--	--	--	SEE NOTE 6	
103	104	745.20	744.87	0.50%	--	--	66	--	--	--	--	--	--	--		
104	107A	744.78	740.43	1.50%	--	--	290	--	--	--	--	--	--	--	SEE NOTE 6	
105	EXIST.	744.94	EXIST.	N/A	--	--	--	--	--	--	--	--	--	--	REM. AEW, INSTALL INLET ON EX. 15" CPRC	
106A	106	741.70	741.65	0.50%	10	--	--	--	--	--	--	--	--	--		
106	107	741.60	741.27	0.50%	--	--	66	--	--	--	--	--	--	--		
107A	107	740.43	740.28	1.50%	--	--	10	--	--	--	--	--	--	--	SEE NOTE 6	
107	110	740.28	735.66	1.54%	--	--	300	--	--	--	--	--	--	--	SEE NOTE 6	
109	110	737.40	737.07	0.50%	--	--	66	--	--	--	--	--	--	--		
110	110A	732.95	732.53	1.75%	--	--	--	24	--	--	1	1	--	--	REMOVE SEAL, CONNECT TO EXIST.	
111	112	750.55	750.20	0.50%	--	--	--	--	70	--	1	--	--	--	SEE NOTE 7	
112A	EXIST.	750.12	EXIST.	N/A	--	--	--	--	--	--	--	1	--	--	REMOVE SEAL, CONNECT TO EXIST.	
112	112A	750.20	750.12	0.50%	--	--	--	--	16	--	--	--	--	--	SEE NOTE 6	
113A	113	747.45	747.35	1.00%	10	--	--	--	--	--	--	--	--	--		
113	114	746.60	746.25	0.50%	--	--	70	--	--	--	--	--	--	--	SEE NOTE 7	
114A	114	747.10	747.00	1.00%	10	--	--	--	--	--	--	--	--	--		
114	115	745.63	742.60	1.00%	--	--	305	--	--	--	--	--	--	--	SEE NOTE 6	
115	115A	742.60	741.94	1.00%	--	--	66	--	--	--	--	--	--	--	SEE NOTE 6	
115A	115B	741.94	738.50	0.87%	--	--	395	--	--	--	--	--	--	--	SEE NOTE 6	
115B	OUTFALL	738.50	738.44	1.00%	--	--	--	--	--	--	--	--	--	1		
SUBTOTAL					30	--	2,000	24	86	--	2	2	--	1		
TOTAL					50	75	3,284	24	165	1	2	4	2	2		
PROJECT NO: 1035-01-79						HWY: IH 94			COUNTY: RACINE			MISCELLANEOUS QUANTITIES			SHEET	PRE_179 E

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STORM SEWER NOTES (SEE PREVIOUS PAGES)

- 1) JOINT TIES FOR CONCRETE PIPE SHALL BE PROVIDED AT ALL CONCRETE APRON ENDWALLS. APRON ENDWALLS SHALL BE TIED FOR THE LAST THREE JOINTS AT PIPE ENDS. THE COST OF THESE TIES SHALL BE INCIDENTAL TO THE COST OF THE PIPE.
- 2) STATIONS ARE TO THE CENTER OF STRUCTURES OR TO THE APRON END OF ENDWALLS.
OFFSETS ARE TO THE FLANGE LINE FOR STRUCTURES IN THE ROADWAY WITH INLET GRATES,
AND TO THE CENTER OF STRUCTURE FOR FIELD INLETS AND MANHOLES WITH SOLID LIDS.
- 3) PIPE LENGTHS ARE MEASURED TO THE CENTER OF STRUCTURES.
- 4) RIM ELEVATIONS ARE GIVEN AT THE FLANGE LINE FOR INLET GRATES OR THE CENTER OF THE MANHOLE COVER FOR MANHOLES
- 5) STRUCTURE DEPTH = RIM ELEVATION - INVERT - CASTING HEIGHT - ADJUSTMENT
CASTING HEIGHT = 0.75 FT FOR J COVERS; 0.5 FT FOR HM AND S COVERS; 0.83 FT FOR TYPE V; 0.67 FT FOR TYPE B; 0 FT FOR TYPE MS COVERS
ADJUSTMENT (RINGS) = 0.33 FT FOR B, V, J, HM AND S COVERS; 0 FT FOR TYPE MS COVERS
- 6) FLAT TOP SLAB WITH CENTERED 21" X 24" RECTANGULAR OPENING REQUIRED ON ALL MANHOLES WITH TYPE V INLET COVERS
- 7) FLAT TOP SLAB WITH CENTERED 21" X 24" RECTANGULAR OPENING REQUIRED ON TYPE 3 INLETS WITH TYPE V INLET COVERS
- 8) FLAT TOP SLAB WITH CENTERED 24" X 36" RECTANGULAR OPENING REQUIRED ON MANHOLES WITH TYPE HM INLET COVERS
- 9) FLAT TOP SLAB WITH CENTERED 26" X 26" RECTANGULAR OPENING REQUIRED ON MANHOLES WITH TYPE S INLET COVERS

RECONSTRUCTING MANHOLES			
		611.0420	
		RECONSTRUCTING	
		MANHOLES	
CATEGORY	LOCATION	EACH	
1000	STA 1188+00 100' LT	2	
TOTALS		2	

3

FENCING ITEMS				
		616.0100.001	616.0700.S	
		FENCE		
		WOVEN		
		WIRE	FENCE	
		4-FOOT	SAFETY	
CATEGORY	LOCATION	LF	LF	
1000	IH 94 NORTHBOUND			
	1188+00 - 1213+00	2,500	--	
IH 94 SOUTHBOUND				
	1188+00 - 1213+00	2,500	--	
UNDISTRIBUTED		--	1,000	
TOTAL		5,000	1,000	

DISPUTE RESOLUTION BOARD		
		SPV.0055.002
		DISPUTE
		RESOLUTION
		BOARD
CATEGORY	LOCATION	DOL
1000	PROJECT	\$2,500
TOTAL		\$2,500

MOBILIZATION		
		619.1000
		MOBILIZATION
CATEGORY	LOCATION	EACH
1000	IH 94	0.1
TOTAL		0.1

SECTION CORNER MONUMENTS				
				SPV.0060.091
				SECTION
				CORNER
				MONUMENTS
CATEGORY	STATION	OFFSET	DESCRIPTION	EACH
1000	IH 94			
	1203+68.61	4.03' RT	PI	1
TOTAL				1

PROJECT NO: 1035-01-79

HWY: IH 94

COUNTY: RACINE

MISCELLANEOUS QUANTITIES

SHEET

PRE_180

E

DUST CONTROL SURFACE TREATMENT		
		623.0200 DUST CONTROL SURFACE TREATMENT
CATEGORY	LOCATION	SY
1000	IH 94 NORTHBOUND	
	1188+00 - 1213+00	21,800
	IH 94 SOUTHBOUND	
	1188+00 - 1213+00	21,800
TOTAL		43,600

WATER ITEMS		
		624.0100 WATER
CATEGORY	LOCATION	MGAL
1000	IH 94 NORTHBOUND	300
	IH 94 SOUTHBOUND	300
TOTAL		600

				RESTORATION ITEMS				
				625.0500	627.0200	SPV.0030.001 FERTILIZER TYPE B SPECIAL	SPV.0085.002 SEEDING MIXTURE NO. 30 SPECIAL	630 SEEDING TEMPORARY
CATEGORY	STATION	LOCATION	SALVAGED TOPSOIL SY	MULCHING SY	CWT	LB	LB	
1000	IH-94 NORTHBOUND							
	1188+00	- 1213+00	RT	2,780	2,780	2	75	75
	IH-94 SOUTHBOUND							
	1188+00	- 1213+00	LT	6,120	6,120	4	165	165
	UNDISTRIBUTED			1,780	1,780	1	50	50
TOTAL				10,680	10,680	7	290	290

* CATEGORY 6100 - MANDATORY SUB

TRACKING PADS			
			628.7560 TRACKING PADS
CATEGORY	STAGE	LOCATION	EACH
1000	ALL	IH 94	
		UNDISTRIBUTED	4
TOTAL			4

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PAVEMENT CLEANUP

		SPV.075.025 PAVEMENT CLEANUP PROJECT 1035-01-79
CATEGORY	STAGE	HR
1000	IH 94 (1035-01-79)	300
TOTAL		300

SAW CUTTING ITEMS

			690.0250* SAWING CONCRETE LF
CATEGORY	STAGE	STATION	
1000	2	IH 94 SOUTHBOUND RUBBLIZED SECTION	2,550 1,472
SUBTOTAL			4,022
	4A	IH 94 NORTHBOUND RUBBLIZED SECTION	2,570 1,472
SUBTOTAL			4,042
TOTAL			8,064

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

3

GEOGRID REINFORCEMENT

		645.0220 GEOGRID TYPE SR	311.0110 BREAKER RUN	REMARKS
CATEGORY	STAGE	SY	TON	
1000	ALL	IH 94 UNDISTRIBUTED	1,000 610	12-INCH DEPTH
TOTAL		1,000	610	

FIELD OFFICE

			SPV.0105.001 FIELD OFFICE FIXED LS
CATEGORY	STAGE	LOCATION	
1000	ALL	IH 94	0.1
TOTAL			0.1

CONSTRUCTION STAKING

		SPV.0105.064 SURVEY PROJECT 1035-01-79
CATEGORY	STAGE	LS
1000	IH 94 (1035-01-79)	1
TOTAL		1

CONCRETE BARRIER

		603.1142	603.1442	603.3559	603.2156
		CONCRETE BARRIER TYPE S42 LF	CONCRETE BARRIER TYPE S42C LF	CONCRETE BARRIER TRANSITION S42 TO S56 LF	CONCRETE BARRIER FIXED OBJECT PROTECTION TYPE S56 LF
CATEGORY	STATION	LOCATION			
1000	IH 94 NORTHBOUND				
	1188+00 - 1213+00	MEDIAN	2,472	--	7
	1188+00 - 1213+00	OUTSIDE	1,803	700	--
SUBTOTAL			4,275	700	7
	IH 94 SOUTHBOUND				
	1188+00 - 1213+00	MEDIAN	2,472	--	7
	1188+00 - 1213+00	OUTSIDE	2,497	--	--
SUBTOTAL			4,969	--	7
TOTAL			9,244	700	14

PROJECT NO: 1035-01-79

HWY: IH 94

COUNTY: RACINE

MISCELLANEOUS QUANTITIES

SHEET

PRE_182

E

			EROSION CONTROL ITEMS																
			606.0300	628.1104	628.1504	628.1520	628.1905	628.1910	628.2004	628.2008	628.7005	628.7010	628.7015	628.7020	628.7504	628.7555	628.7570	645.0120	
							MOBILIZATIONS		EROSION MAT										
			RIPRAP	EROSION	SILT	SILT	MOBILIZATIONS	EMERGENCY	CLASS I	URBAN	INLET	INLET	INLET	INLET	TEMPORARY	CULVERT	ROCK	GEOTEXTILE	
			HEAVY	BALES	FENCE	FENCE	EROSION	EROSION	TYPE B	CLASS I	PROTECTION	PROTECTION	PROTECTION	PROTECTION	DITCH	PIPE	BAGS	TYPE HR	
CATEGORY	STAGE	LOCATION	CY	EACH	LF	LF	EACH	EACH	SY	SY	EACH	EACH	EACH	EACH	LF	EACH	EACH	SY	
1000	1A	IH 94 SOUTHBOUND	--	--	800	800	--	--	1,220	--	--	--	--	--	110	10	--	--	
		UNDISTRIBUTED	--	--	200	200	1	1	305	--	--	--	--	--	28	10	50	--	
		SUBTOTAL	--	--	1,000	1,000	1	1	1,525	--	--	--	--	--	138	20	50	--	
	1B	IH 94 MEDIAN	--	--	--	--	--	--	--	--	--	--	--	--	16	--	--	--	--
		UNDISTRIBUTED	--	--	--	--	--	1	--	--	--	2	--	4	--	10	--	--	--
		SUBTOTAL	--	--	--	--	--	1	--	--	--	2	--	20	--	10	--	--	--
	2	IH94 NORTHBOUND	12	--	--	--	--	--	3,606	8	12	--	--	--	11	230	--	--	25
		UNDISTRIBUTED	3	--	--	--	1	1	902	2	3	2	--	3	58	10	100	7	
		SUBTOTAL	15	--	--	--	1	1	4,508	10	15	2	--	14	288	10	100	32	
	3A	IH94 NORTHBOUND	--	--	--	--	--	--	--	--	4	--	--	--	4	--	--	--	--
		UNDISTRIBUTED	--	--	--	--	--	1	--	--	1	2	--	1	--	10	--	--	--
		SUBTOTAL	--	--	--	--	--	1	--	--	5	2	--	5	--	10	--	--	--
	3C	IH94 NORTHBOUND	--	--	--	--	--	--	--	--	4	--	--	--	3	--	--	--	--
		UNDISTRIBUTED	--	--	--	--	--	1	--	--	1	2	--	1	--	10	--	--	--
		SUBTOTAL	--	--	--	--	--	1	--	--	5	2	--	4	--	10	--	--	--
	4	IH 94 SOUTHBOUND	--	350	730	730	--	--	1,850	--	13	--	4	3	100	--	--	--	--
		UNDISTRIBUTED	--	50	180	180	1	1	463	--	3	2	1	1	25	10	100	--	--
		SUBTOTAL	--	400	910	910	1	1	2,313	--	16	2	5	4	125	10	100	--	--
	5	IH94 SOUTHBOUND	--	--	--	--	--	--	--	--	5	--	--	5	--	--	--	--	--
		UNDISTRIBUTED	--	--	--	--	1	1	--	--	1	2	--	1	--	10	--	--	--
		SUBTOTAL	--	--	--	--	1	1	--	--	6	2	--	6	--	10	--	--	--
TOTALS			15	400	1,910	1,910	4	7	8,345	10	48	12	5	53	550	80	250	32	

3

3

TRAFFIC CONTROL ITEMS

		643.0300		643.0420		643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A		643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C		643.0800 TRAFFIC CONTROL ARROW BOARDS		643.0900 TRAFFIC CONTROL SIGNS		643.1051 TRAFFIC CONTROL SIGNS PCMS WITH CELLULAR COMMUNICATIONS		643.0910 TRAFFIC CONTROL COVERING SIGNS TYPE I		643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II		643.1055.S TRUCK OR TRAILER MOUNTED ATTENUATOR		SPV.0045.001 PORTABLE SPEED TRAILER	
CATEGORY	STAGE	STAGE DURATION	TRAFFIC CONTROL DRUMS		TRAFFIC CONTROL BARRICADES TYPE III																		
		DAYS	EACH	DAYS	EACH	DAYS	EACH	DAYS	EACH	DAYS	EACH	DAYS	EACH	DAYS	EACH	DAYS	EACH	DAYS	EACH	DAYS	EACH	DAYS	
1000	STAGE 1A	78	--	--	--	--	--	--	--	--	--	--	8	624	--	--	--	--	--	--	--	--	
	STAGE 1B	10	70	700	--	--	--	--	18	180	2	20	31	310	--	--	--	--	--	--	--	--	
	STAGE 2	155	151	23,405	10	1,550	20	3,100	27	4,185	2	310	41	6,355	--	--	--	--	--	--	155		
	STAGE 3A	83	123	10,209	8	664	16	1,328	29	2,407	2	166	35	2,905	--	--	--	--	--	--	--		
	STAGE 3B	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	STAGE 3C	55	151	8,305	--	--	--	--	23	1,265	3	165	60	3,300	--	--	--	--	--	--	--		
	STAGE 4	213	149	31,737	1	31,737	2	426	26	5,538	14	2,982	12	2,556	--	--	--	--	--	--	213		
	STAGE 5A	30	223	6,690	--	--	--	--	13	390	2	60	10	300	--	--	--	--	--	--	--		
	STAGE 5B	15	103	1,545	1	1,545	2	30	--	--	--	--	3	45	--	--	--	--	--	--	--		
	INGRESS	639	2	1,278	2	1,278	4	2,556	2	1,278	--	--	6	3,834	1	639	--	--	--	--	--		
	EGRESS	639	3	1,917	2	1,278	4	2,556	3	1,917	--	--	7	4,473	1	639	--	--	--	--	--		
	UNDISTRIBUTED		--	8,579	--	3,805	--	1,000	--	1,716	--	370	--	2,470	--	4,601	2	2	30	--	--		
TOTAL			94,365		41,857		10,996		18,876		4,073		27,172		5,879		2	2	30	368			

OVERHEAD SIGN SUPPORT S-51-248

		641.8100 OVERHEAD SIGN SUPPORT S-51-248
CATEGORY	LOCATION	LS
1000	STA. 1153+50	1
TOTAL		1

TRAFFIC CONTROL

		643.0100.064 TRAFFIC CONTROL (1035-01-79)	643.0200.S TRAFFIC CONTROL SURVEILLANCE AND MAINTENANCE (1035-01-79)
CATEGORY	LOCATION	EACH	DAYS
1000	PROJECT	1	450
TOTAL		1	450

CONCRETE BARRIER TEMPORARY ITEMS								
			603.8000*	603.8125*	614.0905	SPV.0090.018	SPV.0090.023	
			CONCRETE	CONCRETE		MAINTAIN		
			BARRIER	BARRIER	**	CONCRETE		
			TEMPORARY	TEMPORARY	CRASH	BARRIER	TEMPORARY	
			PRECAST	PRECAST	CUSHION	TEMPORARY	GLARE	
			DELIVERED	INSTALLED	TEMPORARY	PRECAST	SCREEN	
CATEGORY	STAGE	LOCATION	LF	LF	EACH	LF	LF	COMMENTS
1000	1A	IH 94						
		1188+00 - 1194+00	--	--	--	600	--	FROM 1030-25-74 (CTH G)
		1187+25 - 1213+00	2,575	2,575	--	--	--	--
		1188+00 - 1196+00	--	--	--	800	--	FROM 1030-25-74 (CTH G)
		1194+00 - 1228+00	3,100	3,100	--	--	--	--
	1B	IH 94						
		1187+00 - 1228+00	3,800	3,800	--	--	--	--
		1185+50 - 1204+00	1,850	1,850	1	--	--	--
	2	IH 94 SOUTHBOUND						
		1186+50 - 1213+00	2,650	2,650	1	--	--	--
		1188+00 - 1202+50	1,450	1,450	--	--	--	--
		1202+00 - 1228+00	3,500	3,500	--	--	2,600	--
	3	IH 94						
		1193+25 - 1203+00	975	975	--	--	--	--
	4A	IH 94						
		1188+00 - 1201+50	1,350	1,350	--	--	--	--
		1195+00 - 1213+00	1,800	1,800	--	--	--	--
		1202+00 - 1228+00	5,400	5,400	--	--	2,600	--
	4C	IH 94 SOUTHBOUND						
		1188+00 - 1203+60	3,560	3,560	1	--	--	--
	4D	IH 94						
		1190+90 - 1204+00	1,310	1,310	1	--	--	--
1192+25 - 1205+50		1,325	1,325	1	--	--	--	
TOTAL			34,645	34,645	5	1,400	5,200	

* ADDITIONAL QUANTITIES LISTED ELSEWHERE
** TL-3 CRASH TEST CONDITION; 8' WIDTH; OM-3C MARKING PATTERN

3

TRAFFIC CONTROL SIGNS FIXED MESSAGE									
CATEGORY	LOCATION	STAGE	SIGN NO.	SIGN SIZE			643.1000	SPV.0060.013	COMMENT
				W	X	H	TRAFFIC CONTROL	FIXED MESSAGE SIGN	
							SIGNS	PORTABLE SUPPORT	
							FIXED MESSAGE	SPECIAL	
FT	X	FT	SF	EACH					
1000	IH94 NB	1A - 4A	2001	8.0	X	6.5	52.00	--	MOUNT ON MULTIPLE POSTS
		1A - 4A	2002	5.0	X	3.5	17.50	--	MOUNT ON MULTIPLE POSTS
		1B - 4A	2003	7.0	X	7.0	49.00	1	MOUNT ON PORTABLE SUPPORT
		1B - 4A	2004	19.0	X	6.0	114.00	1	MOUNT ON PORTABLE SUPPORT
		1B - 4C	2005	12.0	X	3.5	42.00	1	MOUNT ON PORTABLE SUPPORT
		1B - 4C	2006	12.0	X	5.0	60.00	1	MOUNT ON PORTABLE SUPPORT
		4C	2009	12.0	X	3.5	42.00	1	MOUNT ON PORTABLE SUPPORT
		4C	2010	12.0	X	5.0	60.00	1	MOUNT ON PORTABLE SUPPORT
		2 - 4A	2007	19.0	X	1.7	31.73	--	MOUNT ON FMS 2004
		2 - 4A	2008	3.5	X	1.7	5.85	--	MOUNT ON FMS 2004
	INGRESS	1B - 4A	YYY	6.0	X	6.0	36.00	--	MOUNT ON MULTIPLE POSTS
		1B - 4A	ZZZ	4.0	X	2.0	8.00	--	MOUNT ON FMS YYY
	EGRESS	1A - 4A	XXX	6.0	X	6.0	36.00	--	MOUNT ON MULTIPLE POSTS
		1A -4A	ZZZ	4.0	X	2.0	8.00	--	MOUNT ON FMS XXX
TOTAL							562.08	6	

REMOVING PAVEMENT MARKINGS				
CATEGORY	STAGE	STATION	646.0600	646.0690.S
			REMOVING PAVEMENT MARKINGS	REMOVING PAVEMENT MARKINGS WATER BLASTING
			LF	LF
1000	1A	IH 94	3,250	--
	1B	IH 94	6,850	5,165
	2	IH 94	700	8,205
	3	IH 94	3,945	11,435
	4C	IH 94	3,165	5,410
	4A,B	IH 94	--	4,015
	4C,D	IH 94	--	14,865
TOTAL		17,910	49,095	

3

<u>DELINEATORS</u>								
CATEGORY	STATION	LOCATION	633.0500		633.1000	COMMENTS		
			DELINEATOR REFLECTORS		DELINEATOR BRACKETS			
			WHITE	YELLOW				
			EACH	EACH	EACH			
1000	IH 94 NB							
	1188+00	-	1213+00	INSIDE SHLDR	--	26	26	100' SPACING
	1188+00	-	1213+00	OUTSIDE SHLDR	26	--	26	100' SPACING
	IH 94 SB							
	1188+00	-	1213+00	INSIDE SHLDR	--	26	26	100' SPACING
	1188+00	-	1213+00	OUTSIDE SHLDR	26	--	26	100' SPACING
TOTAL				104		104		

TEMPORARY PAVEMENT MARKING									
CATEGORY	STAGE	649.0105	649.0120	649.0220	649.0760	SPV.0090.025			
		TEMPORARY MARKING LINE PAINT 4-INCH	TEMPORARY MARKING LINE EPOXY 4-INCH	TEMPORARY MARKING LINE EPOXY 8-INCH	TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE 1	TEMPORARY PAVEMENT MARKING WET REFLECTIVE REMOVABLE TAPE 4-INCH			
		WHITE	YELLOW	WHITE	YELLOW	WHITE	EACH		WHITE
		LF	LF	LF	LF	LF	LF	LF	LF
1000	1A	3,250	--	--	--	--	--	--	--
	1B	3,625	5,935	--	--	--	85	1,590	530
	2	5,995	2,580	--	--	200	173	2,880	1,440
	3A	6,835	5,660	8,440	2,500	200	154	2,570	1,285
	3B	--	--	10,195	660	--	--	--	--
	3C	1,290	7,970	--	--	--	214	3,645	1,695
	4	3,635	5,875	--	--	200	250	4,160	2,080
	TOTAL		52,650	21,795	600	883		21,875	

PROJECT NO: 1035-01-79

HWY: IH 94

COUNTY: RACINE

MISCELLANEOUS QUANTITIES

SHEET

PRE_186

E

PAVEMENT MARKING																
CATEGORY	LOCATION	STATION	STATION	646.1020 MARKING LINE EPOXY 4-INCH			646.1040 MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH		646.3020 MARKING LINE EPOXY 8-INCH	646.1555 MARKING LINE GROOVED CONTRAST PERMANENT TAPE		646.3555 MARKING ARROW EPOXY	646.5020 MARKING CHEVRON EPOXY 24-INCH	REMARKS		
				YELLOW LF	WHITE LF	BLACK* LF	YELLOW LF	WHITE LF	WHITE LF	BLACK* LF	4-INCH WHITE LF	8-INCH WHITE LF	EACH		LF	
1000																
IH 94 NB	1152+00	- 1173+12	--	--	--	--	2,107	--	--	--	--	--	--	OUTSIDE EDGE LINE		
	1189+74	- 1217+00	--	2,726	--	--	--	--	--	--	--	--	--	OUTSIDE EDGE LINE		
	1152+00	- 1188+00	--	--	--	3,600	--	--	--	--	--	--	--	MEDIAN EDGE LINE		
	1188+00	- 1217+00	2,900	--	--	--	--	--	--	--	--	--	--	MEDIAN EDGE LINE		
	1152+00	- 1188+00	--	--	--	--	--	--	--	900	--	--	--	LEFT LANE LINE		
	1188+00	- 1217+00	--	725	725	--	--	--	--	--	--	--	--	LEFT LANE LINE		
	1152+00	- 1173+12	--	--	--	--	--	--	--	528	--	--	--	CENTER/RIGHT LANE LINE		
	1188+00	- 1217+00	--	725	725	--	--	--	--	--	--	--	--	CENTER/RIGHT LANE LINE		
	1152+00	- 1169+63	--	441	441	--	--	--	--	--	--	3	--	RIGHT LANE LINE		
	1172+50	- 1189+74	--	174	--	63	1,549	2,606	2,606	--	--	--	--	ENTRANCE RAMP		
SUBTOTAL					2,019		7,319		5,212		1,428	--	3	--		
IH 94 SB	1171+00	- 1188+00	--	--	--	--	568	--	--	--	--	--	--	OUTSIDE EDGE LINE		
	1188+00	- 1217+00	--	2,900	--	--	--	--	--	--	--	--	--	OUTSIDE EDGE LINE		
	1171+00	- 1188+00	--	--	--	1,700	--	--	--	--	--	--	--	MEDIAN EDGE LINE		
	1188+00	- 1217+00	2,900	--	--	--	--	--	--	--	--	--	--	MEDIAN EDGE LINE		
	1171+00	- 1188+00	--	--	--	--	--	--	--	425	--	--	--	LEFT LANE LINE		
	1188+00	- 1217+00	--	725	725	--	--	--	--	--	--	--	--	LEFT LANE LINE		
	1171+00	- 1188+00	--	--	--	--	--	--	--	425	--	--	--	CENTER LANE LINE		
	1188+00	- 1217+00	--	725	725	--	--	--	--	--	--	--	--	CENTER LANE LINE		
	1171+00	- 1188+00	--	--	--	--	--	--	--	425	--	--	--	RIGHT LANE LINE		
	1188+00	- 1217+00	--	725	725	--	--	--	--	--	--	--	--	RIGHT LANE LINE		
1173+50	- 1185+38	--	--	--	57	1,188	--	--	100	644	--	160	EXIT RAMP			
SUBTOTAL					1,450		3,513		--		1,175	644	--	160		
TOTAL					3,469		10,832		5,212		2,603	644	3	160		

*BLACK EPOXY SHALL BE PAID ONCE PER SKIP OR MARKING LENGTH

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TYPE I&II PERMANENT SIGNING -														CATEGORY CODE 0010														1035-01-79				IH 94	
SIGN NO.	SIGN CODE	SIGN TYPE	SIGN MESSAGE	SIGN SIZE			637.2210	637.2230	638.2602	638.3000	634.0618	638.2102	SPV.0060.01	MOUNT ON SAME POST AS SIGN #		TYPE I SIGN SIZE	637.1220	638.2601	638.3100	638.2101	STEEL POST TYPE	636.0100	636.0500	635.0200	635.1230	INFO ONLY-POST LENGTHS TO BE VERIFIED BY CONTRACTOR							
				W	x	H	SIGNS REFLC TYPE H TYPE II [SF]	SIGNS TYPE II REFLC F [LF]	REM SIGNS TYPE II (EA)	REM SMALL SIGN SUP (EA)	WOOD POSTS 4"X 6"x18' [EA]	MOVE SIGNS TYPE II [EA]	SIGN SUPP GALVANIZED POSTS 8.5' [EA]				SIGNS REFLC SH TYPE I [SF]	REM SIGNS TYPE I [EA]	REM STR STEEL SIGN SUP [EA]	MOVING SIGNS TYPE I I [EA]		SIGN NO. SUPPORTS CONCRETE MASONRY [CY]	SIGN SUPPORTS STEEL REINF. [LBS]	SIGN SUPPORTS STRUCTURAL STEEL HS [EST.LBS]	SIGN TYPE I REFLEC F [LF]	POST NO 1 LENGTH [FT]	POST NO 2 LENGTH [FT]	OFF SET DISTANCE [FT]	DIST BTWN POSTS "S" [FT]				
1	J4-3	II	EXISTING ASSEMBLY	--	x	--	--	--	--	2	2	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--			
2	R2-1(5)	II	SPEED LIMIT 70	48	x	60	20.000	--	1	2	2	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--			
3	D10-5(5)	II	W(94 SHIELD) 327/0	21	x	60	8.750	--	1	1	--	--	1	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--			
4	D10-5(5)	II	E(94 SHIELD) 327/0	21	x	60	8.750	--	1	--	--	--	--	#3	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--			
5	D10-5(5)	II	W(94 SHIELD) 326/8	21	x	60	8.750	--	1	1	--	--	1	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--			
6	D10-5(5)	II	E(94 SHIELD) 326/8	21	x	60	8.750	--	1	--	--	--	--	#5	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--			
7	--	I	CRASH INVESTIGATION SITE EXIT 327	--	x	--	--	--	--	--	--	--	--	--	13 X 11 EXISTING SIGN	--	x	--	2	1	B	1.6	98	1000	--	--	--	--	--	--			
8	D10-5	II	W(94 SHIELD) 326/9	--	x	--	--	--	1	1	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--			
9	D10-5	II	E(94 SHIELD) 326/9	--	x	--	--	--	1	--	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--			
10	D12-2A(5)	II	--	78	x	54	29.250	--	1	2	2	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--			
11	R4-3(5)	II	--	48	x	60	20.000	--	1	1	2	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--			
12	--	I	[G] 1/2 [K] 2 1/2 [20] 6	--	x	--	--	--	--	--	--	--	--	--	MOVE ONTO NEW S-51-221	19	x	8	152.00	--	--	1	--	--	--	--	--	--	--	--			
13	--	I	SEVEN MILE RD 1/4 [241] 27TH ST 1 1/4 RYAN RD 3 1/2	--	x	--	--	--	--	--	--	--	--	--	MOVE ONTO NEW S-51-221	19	x	7.5	142.50	--	--	1	--	--	--	--	--	--	--	--			
14	R8-7(5)	II	--	48	x	36	12.000	--	1	1	1	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--			
15	R2-1(5)	II	SPEED LIMIT 70	48	x	60	20.000	--	1	2	2	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--			
16	D10-5(5)	II	W(94 SHIELD) 326/6	21	x	60	8.750	--	1	1	--	--	1	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--			
17	D10-5(5)	II	E(94 SHIELD) 326/6	21	x	60	8.750	--	1	--	--	--	--	#16	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--			
18	D10-5	II	W(94 SHIELD) 326/7	--	x	--	--	--	1	1	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--			
19	D10-5	II	E(94 SHIELD) 326/7	--	x	--	--	--	1	--	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--			
20	W9-62(5)	I	THIS LANE ENDS	--	x	--	--	--	--	--	--	--	--	--	MOUNT ON S-51-248 OVERHEAD SIGN I BEAMS INCIDENTAL	72	x	90	6480.00	--	--	--	--	--	--	45	--	--	--	--			
21	W4-2R(5)	--	--	48	x	48	--	16	--	--	1	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--			
22	W9-1R(5)	--	--	48	x	48	--	16	--	--	1	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--			
UNDISTRIBUTED							--	--	--	--	--	--	--	--	--	x	0.00	1	--	--	--	--	--	--	--	--	--	--	--	--			
TOTALS							153.750	32	15	15	13	1	3	--	--		--	1	2	3	--	1.6	98	1000	45	--	--	--	--	--			

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FTMS EACH ITEM REMOVALS			
CATEGORY		1300	
		SPV.0060.204 REMOVE OVERHEAD FREEWAY DMS EACH	
		653.0905 REMOVING PULLBOXES EACH	
ROADWAY	ITEM		
IH 41 / 94	EXPB11870	1	--
	EXPB11890	1	--
	EX-DMS-51-0023	--	1
TOTALS		2	1

FTMS LINEAR FOOT REMOVALS			
CATEGORY		1300	
		1300 674.0300 REMOVE CABLE LF	
ROADWAY	ITEM ID	LINEAR DISTANCE	
IH 41 / 94	EXMB11870 - EXPB11870	10	10
	EXPB11870-EXPB11890	205	205
	EXPB11890-EXDMS-51-0023	15	15
TOTALS			220

FTMS PULL BOXES AND VAULTS					
CATEGORY		1300			
		652.0700.S INSTALL CONDUIT INTO EXISTING ITEM EACH	653.0140 PULL BOXES STEEL 24X42-INCH EACH	673.0105 COMMUNICATION VAULT TYPE 1 EACH	678.0300 FIBER OPTIC SPLICE EACH
ROADWAY	ITEM ID				
IH 41 / 94	EXCV11880	1	--	--	4
	PB11880	--	1	--	--
	PB11881	--	1	--	--
	PB11920	--	1	--	--
	PB11950	--	1	--	--
	PB12000	--	1	--	--
	CV12010	--	--	1	--
	CV12131	--	--	1	--
TOTALS		1	5	2	4

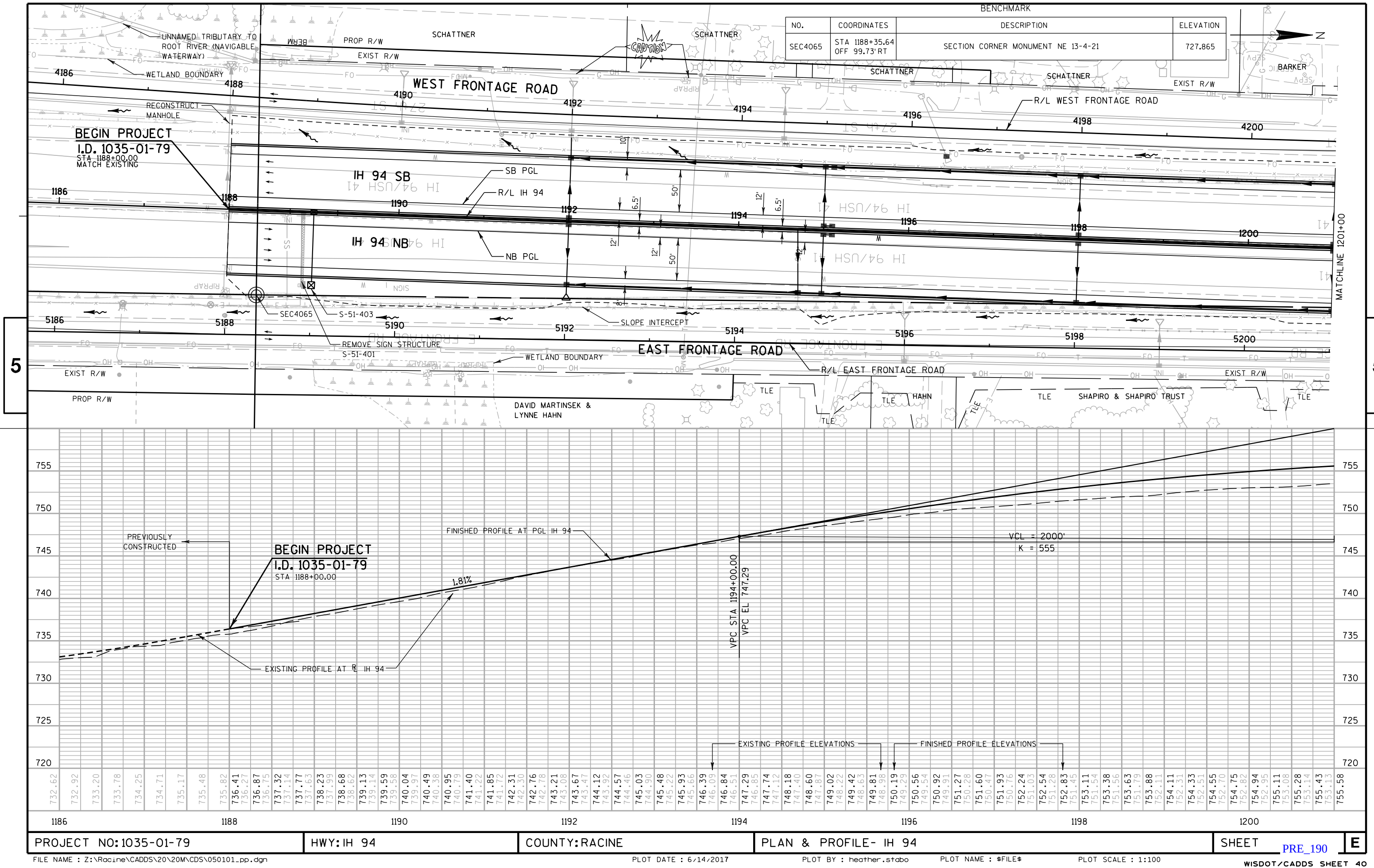
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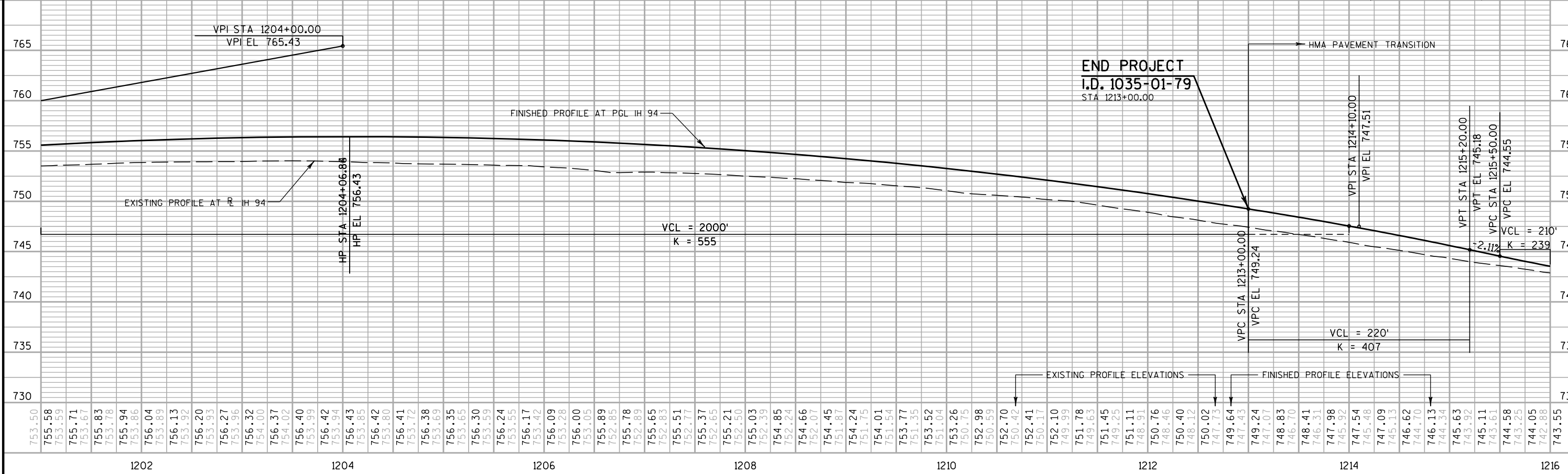
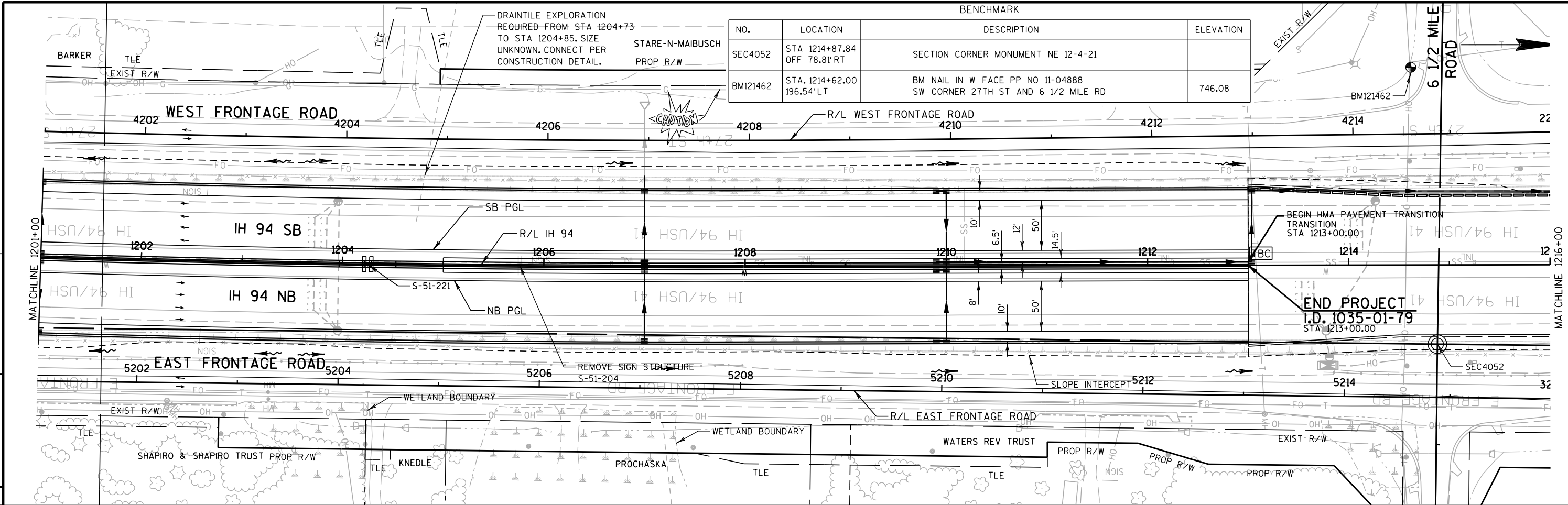
FTMS EACH ITEMS																
CATEGORY		1300														
ROADWAY	ITEM ID	204.9060.S.005		656.0500.003	657.0255		673.0225.S	675.0300				SPV.0060.200	SPV.0060.201	SPV.0060.202		SPV.0060.205
		REMOVING	654.0105	ELECTRICAL	TRANSFORMER		INSTALL	INSTALL MOUNTED				40-FOOT	TEMPORARY	REFOCUSING		INSTALL
		TEMPORARY	CONCRETE	SERVICE BREAKER	BASES	657.0322	POLE	CONTROLLER	675.0400.S	678.0400		TEMPORARY	VEHICLE	VEHICLE	SPV.0060.203	OVERHEAD
		VEHICLE	BASES	DISCONNECT	STANDARD	POLES	MOUNTED	MICROWAVE	INSTALL	FIBER		WOOD	DETECTOR	DETECTOR	GROUND	FREEWAY
		ASSEMBLY	TYPE 5	(DMS510023)	11 1/2-INCH	TYPE 5-	FIELD	DETECTOR	ETHERNET	OPTIC		POST	ASSEMBLY	ASSEMBLY	ROD	DMS
		EACH	EACH	EACH	EACH	ALUMINUM	CABINET	ASSEMBLY	SWITCH	TERMINATION		EACH	EACH	EACH	EACH	EACH
IH 41 / 94	EXDP1176	--	--	--	--	--	--	--	--	--	--	--	--	5	--	--
	DP11950	--	1	--	1	1	1	2	--	--	--	--	--	--	1	--
	DMS-51-0023	--	--	1	--	--	1	--	1	6	--	--	--	--	1	1
	TMPD1218NB	1	--	--	--	--	--	--	--	--	1	1	5	--	--	--
	TMPD1218SB	1	--	--	--	--	--	--	--	--	1	1	5	--	--	--
TOTALS		2	1	1	1	1	2	2	1	6	2	2	15	2	1	

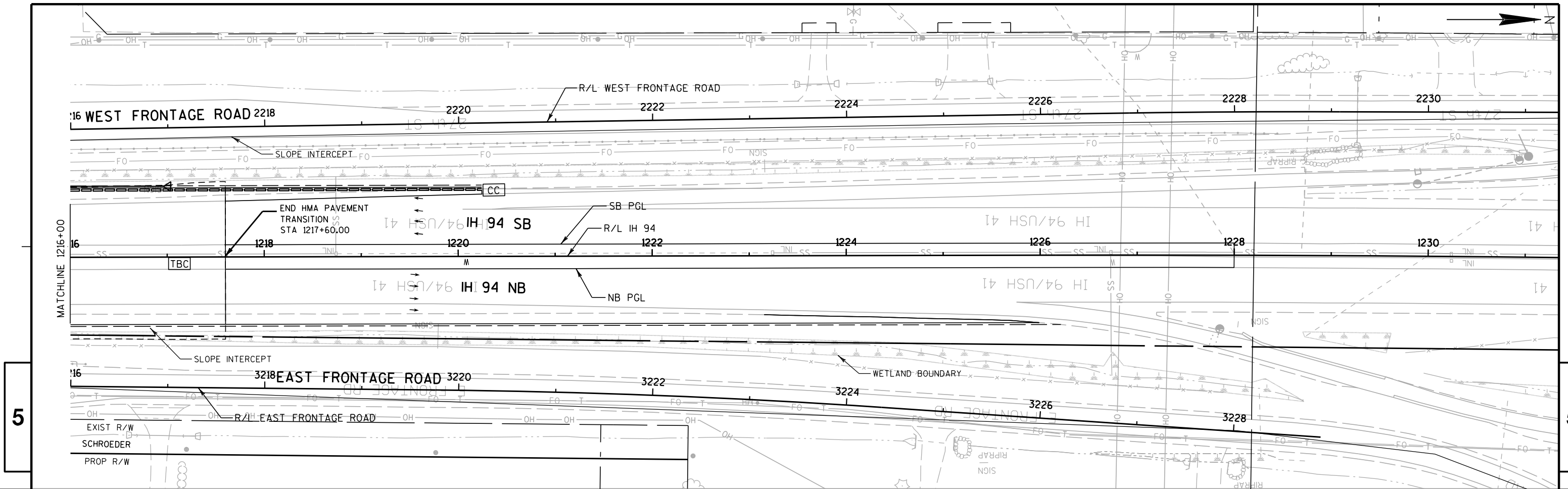
FTMS CONDUIT AND CABLE ITEMS											
CATEGORY		1300									
		652.0125 CONDUIT RIGID METALLIC 2-INCH LF	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	655.0510 ELECTRICAL WIRE TRAFFIC SIGNALS 12 AWG LF	655.0535 ELECTRICAL WIRE TRAFFIC SIGNALS 2 AWG LF	671.0132 CONDUIT HDPE 3-DUCT 2-INCH LF	671.0300 FIBER OPTIC CABLE MARKER EACH	678.0006 INSTALL FIBER OPTIC CABLE OUTDOOR PLANT 6-CT LF	678.0072 INSTALL FIBER OPTIC CABLE OUTDOOR PLANT 72-CT LF	SPV.0090.200 OUTDOOR RATED NETWORK CABLE LF	
ROADWAY	ITEM ID	LINEAR DISTANCE									
IH 41 / 94	EXCV1159 - EXCV1160	130	--	--	130	--	--	--	180	--	
	EXCV1160 - EXCV1172	1230	--	--	1230	--	--	2	1280	--	
	EXCV1172 - EXCV11880	1350	--	--	1350	--	--	2	1450	--	
	EXCV11880 - PB11880	10	--	20	10	--	--	60	--	--	
	EXMB11870 - PP11880	140	--	140	--	560	--	--	--	--	
	PB11880 - PB11881	80	--	160	25	320	--	--	--	--	
	PB11881 - S-51-403/DMS-51-0023	10	30	20	60	40	--	60	--	20	
	PB11881 - PB11920	315	--	630	--	--	--	--	--	630	
	PB11920 - PB11950	300	--	600	--	--	--	--	--	600	
	PB11950 - DP11950	10	--	20	--	--	--	--	--	20	
	EXCV11880 - CV12010	1255	--	--	1255	--	1255	2	--	1305	--
	CV12010 - CV12131	1245	--	--	1245	--	1245	2	--	1295	--
TOTALS			30	1590	5305	920	2500	8	120	5510	1270

FTMS LUMP SUM ITEMS				
		670.0100 FIELD SYSTEM INTEGRATOR LS	670.0200 ITS DOCUMENTATION LS	678.0500 COMMUNICATION SYSTEM TESTING LS
CATEGORY	ROADWAY			
1300	IH 41 / 94			
	PROJECT	1	1	1
TOTALS		1	1	1

PROJECT NO: 1035-01-79	HWY: IH 41 / 94	COUNTY: RACINE	FTMS MISCELLANEOUS QUANTITIES	SHEET: PR	E
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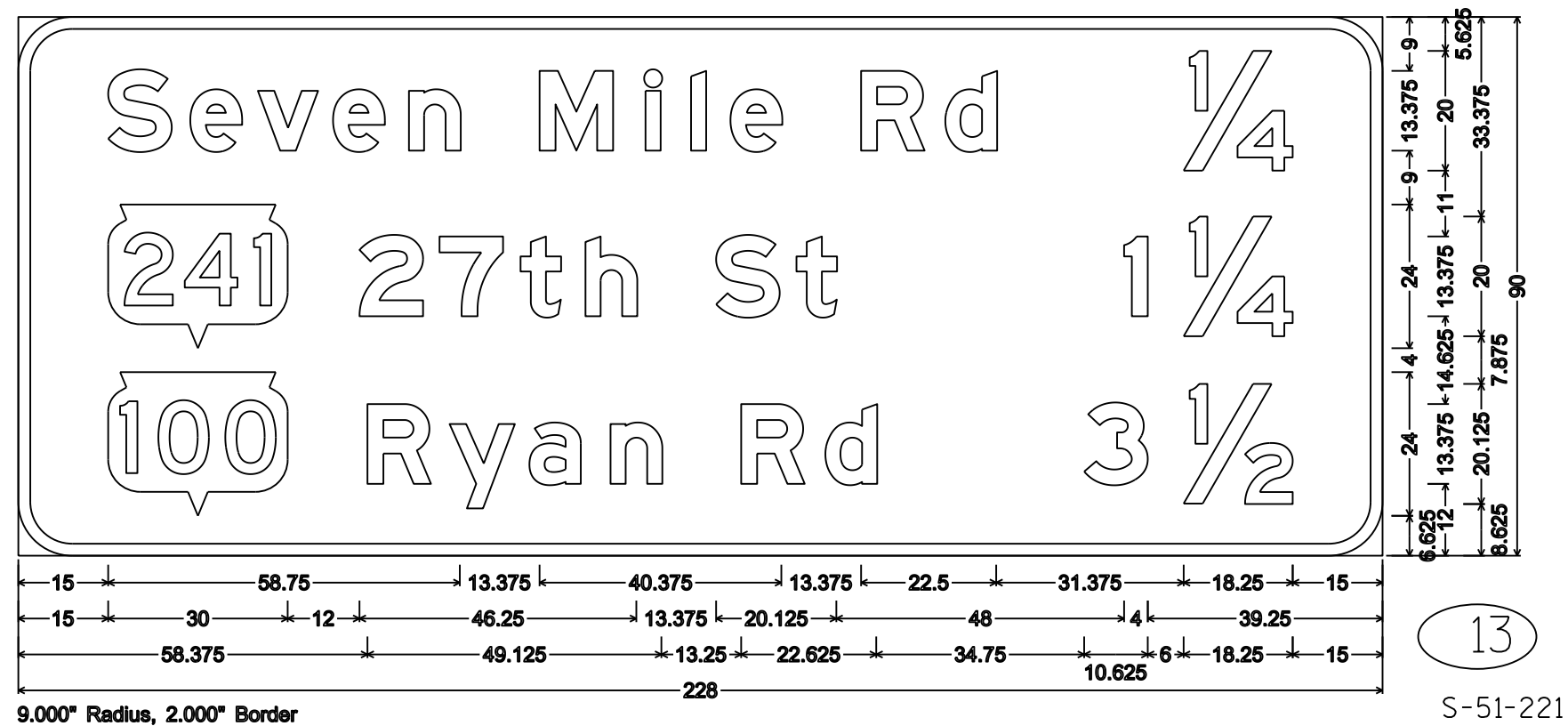






NOTES

- 1. All Signs Type I - Type SH Reflective
- 2. Color:
Background - Green
Message - White
- 3. Message Series - E Modified



GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ALL STATIONS AND ELEVATIONS ARE IN FEET UNLESS OTHERWISE SHOWN OR NOTED.ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD 88 (2007).

COORDINATES ON THE PLANS ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), RACINE COUNTY ZONE, NAD 83 (2007).

ALL REINFORCING BARS ARE IN ENGLISH UNITS. THE FIRST DIGIT OF A THREE-DIGIT BAR MARK OR THE FIRST TWO DIGITS OF A FOUR-DIGIT BAR MARK SIGNIFIES THE BAR SIZE.

SIGN BRIDGE ID PLAQUES SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "SIGN BRIDGE SINGLE POLE SIGN SUPPORT S-51-221". LOCATE THE ID PLAQUE ON THE FREEWAY SIDE OF THE SUPPORT COLUMN SO THAT IT CAN BE SEEN FROM THE ROADWAY.FABRICATE AND INSTALL THE ID PLAQUE IN ACCORDANCE WITH S.D.D. 12 A 4-3.

CENTER SIGN HORIZONTALLY ON UPRIGHT.

ELEVATIONS ARE IN FEET UNLESS OTHERWISE SHOWN OR NOTED.

ALTERNATE DESIGNS ARE NOT ALLOWED.

ALL STRUCTURAL STEEL MEMBERS SHALL BE GALVANIZED.

ALL BOLTED CONNECTIONS SHALL BE MADE WITH 3/4" DIA A325 BOLTS, GALVANIZED PER ASTM A153 CLASS C AND MADE WITH DTIWASHERS.

WELDED CONNECTIONS CAN BE USED IN LIEU OF BOLTED CONNECTIONS IF THE UNIT CAN BE GALVANIZED IN ONE PIECE.

WELD TEST AS PER AWS D1.1.

THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION OF THE TYPE AND LOCATION OF UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE.

CONTRACTOR SHALL SHOW SIGNS ON SHOP DRAWINGS.

CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO TRAFFIC OPS SE REGION: MR TOM HEYDEL, WIS DOT, 141 NW BARSTOW ST, WAUKESHA, WI 53187 AND THE PROJECT ENGINEER FOR APPROVAL.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DRILLING OR EXCAVATING AND MAINTAINING A STABLE AND OPEN HOLE FOR SUBSEQUENT INSTALLATION OF CONCRETE MASONRY FOR THE SUPPORT BASES. PARTIAL OR FULL DEPTH TEMPORARY CASING MAY BE REQUIRED TO MAINTAIN THE STABILITY OF THE EXCAVATED HOLE FOR THE SIGN SUPPORT PRIOR TO FILLING THE HOLE WITH CONCRETE. TEMPORARY CASING IF USED SHALL BE INCIDENTAL TO THE BID ITEM " SIGN SUPPORTS CONCRETE MASONRY".

MATERIAL PROPERTIES

CONCRETE MASONRY ----- f'c = 3,500 psi

HIGH STRENGTH STEEL REINFORCEMENT, GRADE 60 ----- fy = 60,000 psi

STRUCTURAL ANGLES, PLATE AND BARS - ASTM A709 GRADE 36 ---- fy = 36,000 psi

CHORDS & COLUMN (INCLUDING HANDHOLE) - API SPEC 5L GRADE 42 ----- fy = 42,000 psi ☆

HIGH STRENGTH BOLTS - A325 ----- fy = 92,000 psi

ANCHOR BOLTS - ASTM F1554----- fy = 55,000 psi

STRUCTURAL MEMBERS GALVANIZED----- ASTM A123

HARDWARE GALVANIZED ----- ASTM A153 CLASS C

☆ ALTERNATE MATERIAL FOR COLUMN AND CHORD LESS THAN 10" DIAMETER MAY BE ASTM A500 GRADE B Fy = 42,000 psi, OR GRADE C Fy = 46,000 psi.

FOUNDATION DATA

ALLOWABLE SHAFT END BEARING PRESSURE = X,XXX PSF

ALLOWABLE SKIN FRICTION = XXX PSF

SOIL COHESION = XXX PSF

SOIL FRICTION ANGLE = X°

DESIGN DATA

STRUCTURE NO.	DESIGN SIGN AREA	MAX. SIGN DEPTH
S-51-221	220 SF	11'-0"

DESIGNED ACCORDING TO AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS", 2013 6TH EDITION.

DEAD LOAD - WT. OF SIGN, SUPPORTING STRUCTURE, CATWALK, LIGHTS, LIVE LOAD - SINGLE LINE LOAD OF 500 LBS DISTRIBUTED OVER 2'-0" OF CATWALK

ICE LOAD - 3 PSF TO ONE FACE OF SIGN & AROUND SURFACE OF MEMBERS.

WIND PRESSURE - 90 MPH (3-SEC. GUST SPEED) TO SIGN AREA & EXPOSED MEMBERS.

WIND COMPONENTS	NORMAL	TRANSVERSE
COMBINATION 1	1.0	0.2
COMBINATION 2	0.6	0.3

GROUP LOADS	% OF ALLOWABLE STRESS
I. DEAD	100
II. DEAD + WIND	133
III. DEAD + ICE + 1/2 WIND	133
IV. FATIGUE CATEGORY I WITHOUT GALLOPING	**

NOTE: WIND LOAD FOR GROUP 3 LOADING SHALL NOT BE LESS THAN 25 PSF.

** SEE SECTION 11 OF "THE AASHTO STANDARD SPECIFICATIONS FOR STRUCTUAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS", 6TH EDITION FOR FATIGUE LOADS AND STRESS RANGE LIMITS

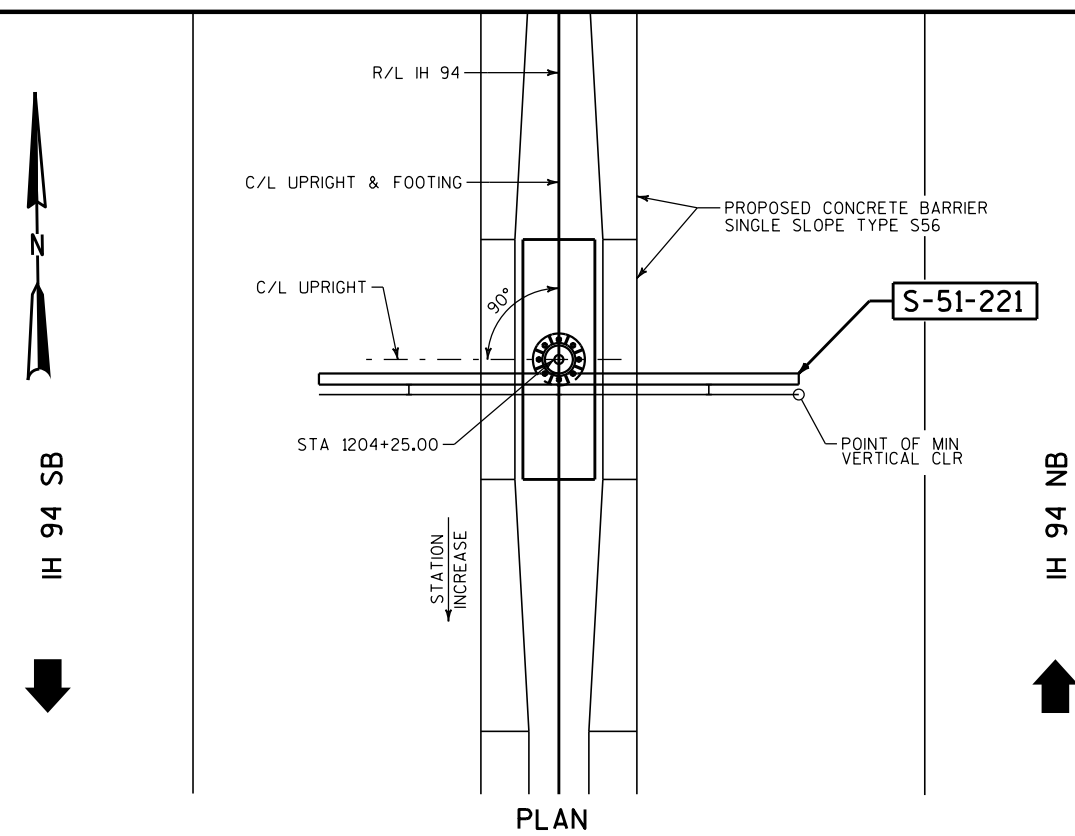
LIST OF DRAWINGS

1. GENERAL NOTES & DESIGN DATA
2. GENERAL PLAN & ELEVATION
3. CONCRETE FOOTING DETAILS
4. CONCRETE COLUMN DETAILS
5. BUTTERFLY SIGN DETAILS
6. HANDHOLE DETAILS

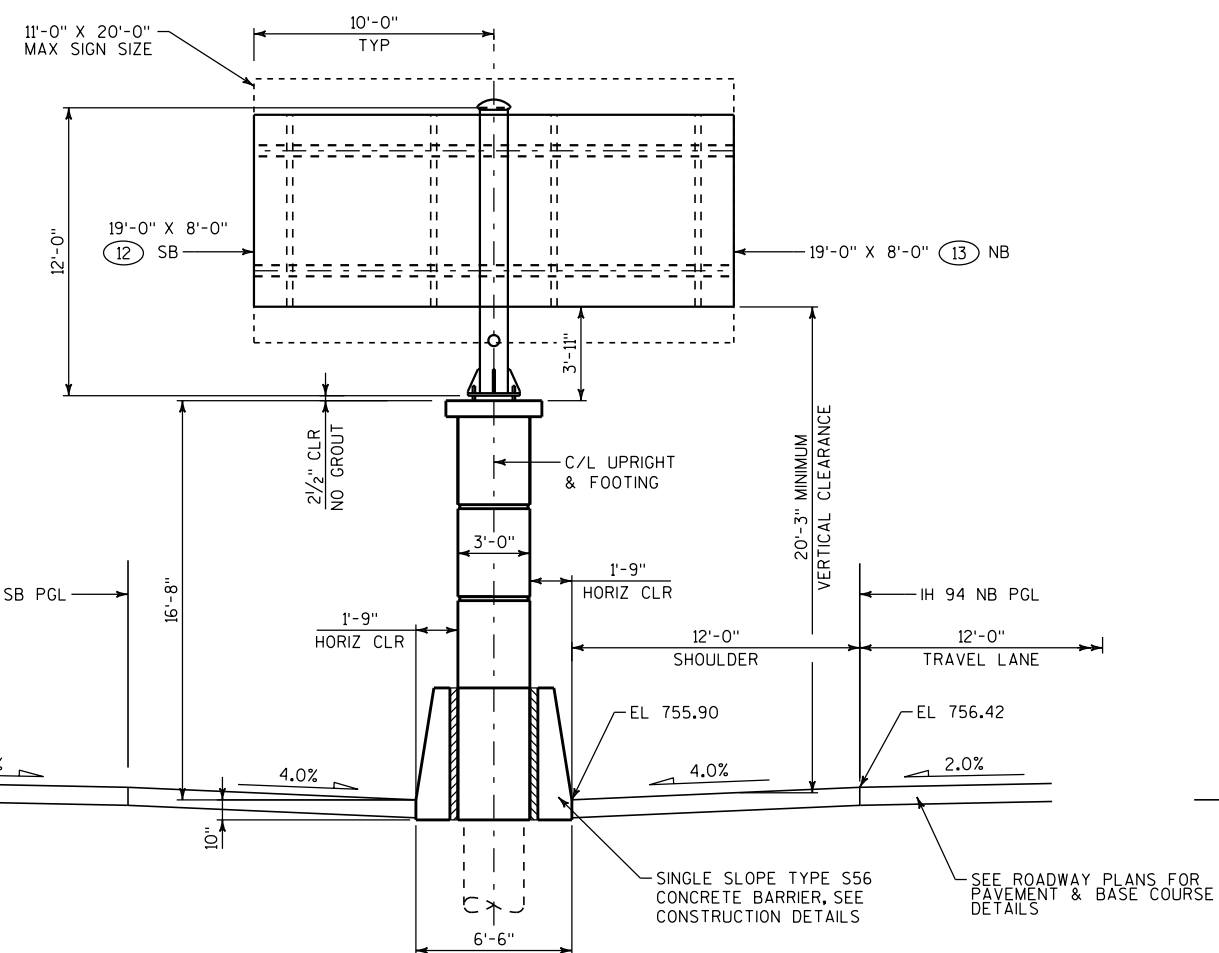
STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
STEVE MILLER (414) 272-2426

NO.	DATE	REVISION	BY
ch2m			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
ACCEPTED		DATE	
CHIEF STRUCTURES DESIGN ENGINEER			
STRUCTURE S-51-221			
IH 94 - STA 1204+25			
COUNTY	RACINE	TOWN/VILLAGE	CALEDONIA
DESIGN SPEC. AASHTO STD SPECS FOR HIGHWAY SIGNS 6TH ED			
DESIGNED BY	CB	DESIGN CK'D.	KES
DRAWN BY	KME	PLANS CK'D.	KES
GENERAL NOTES & DESIGN DATA		SHEET 1 OF 6	
		PRE_194	

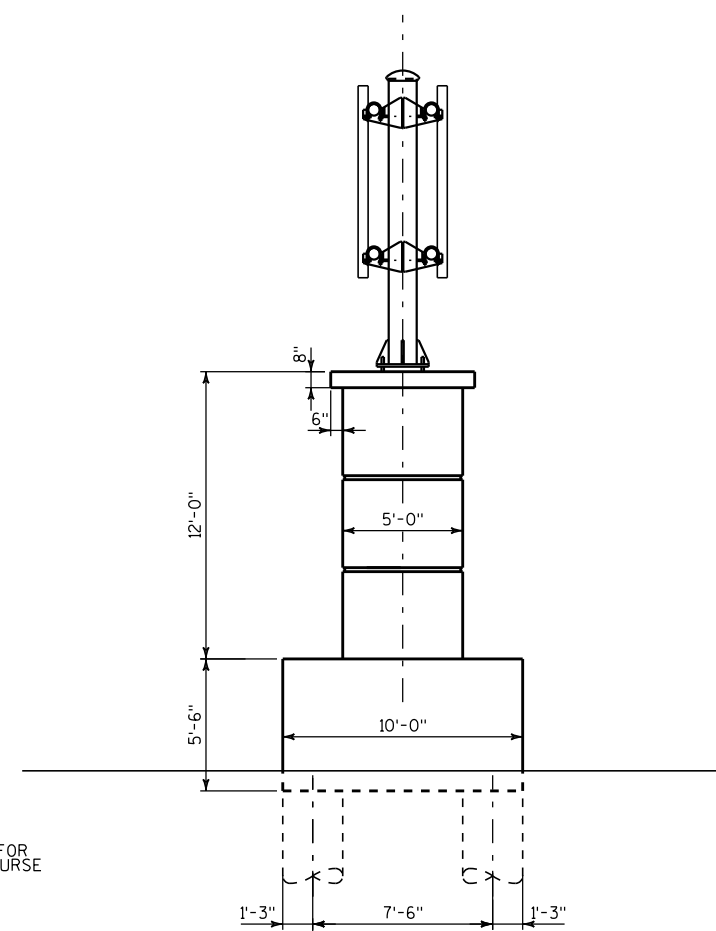


PLAN



ELEVATION

S-51-221 - STA 1204+25
IH 94
(LOOKING NORTH AT FRONT FACE OF NB SIGN)



END VIEW

(LOOKING EAST)

TOTAL ESTIMATE OF QUANTITIES

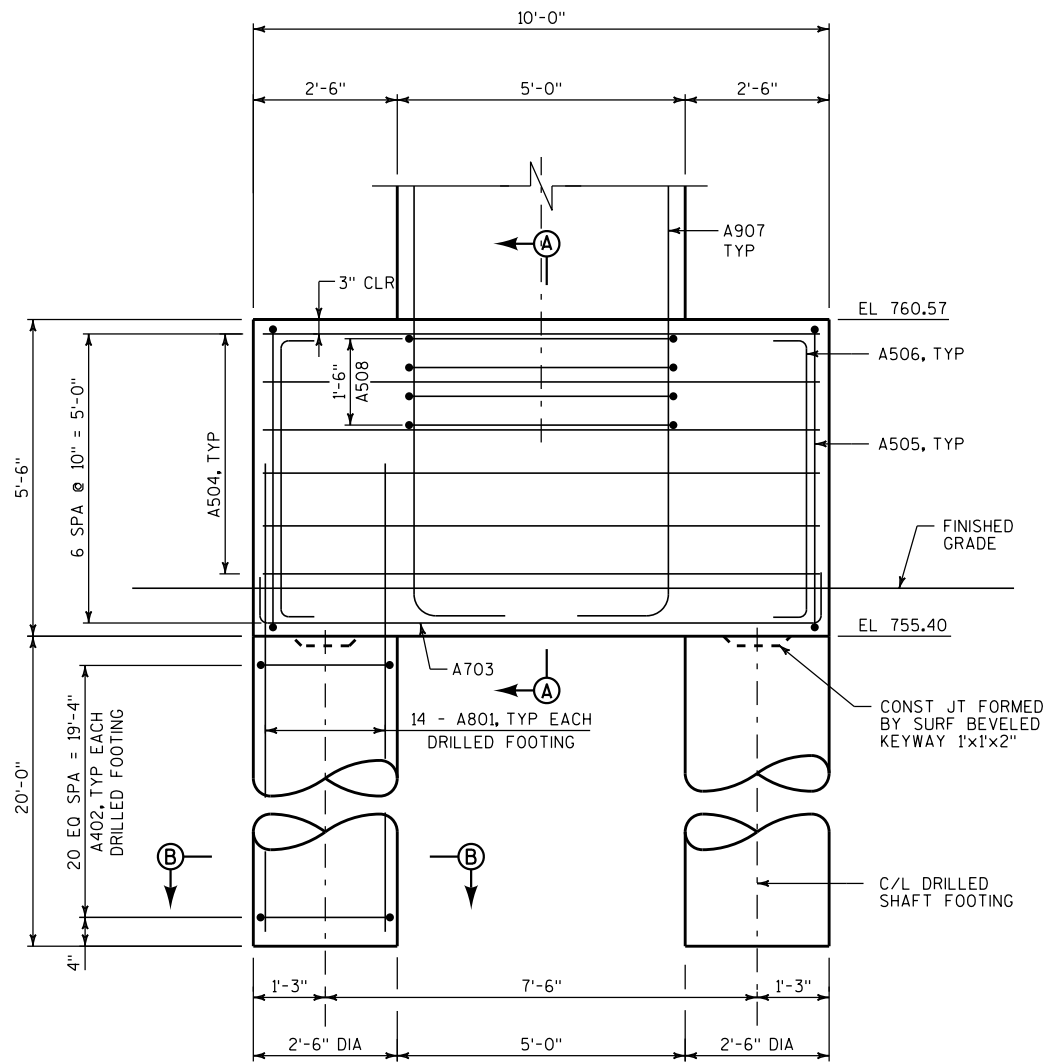
BID ITEM NO.	BID ITEM	UNIT	TOTAL
636.0100	SIGN SUPPORTS CONCRETE MASONRY	CY	22
636.1500	SIGN SUPPORTS STEEL COATED REINFORCEMENT HS	LB	4,240
641.0100	SIGN BRIDGE SINGLE POLE SIGN SUPPORT TWO SIGNS S-51-221	LS	1

ALL ITEMS ARE CATEGORY 6670

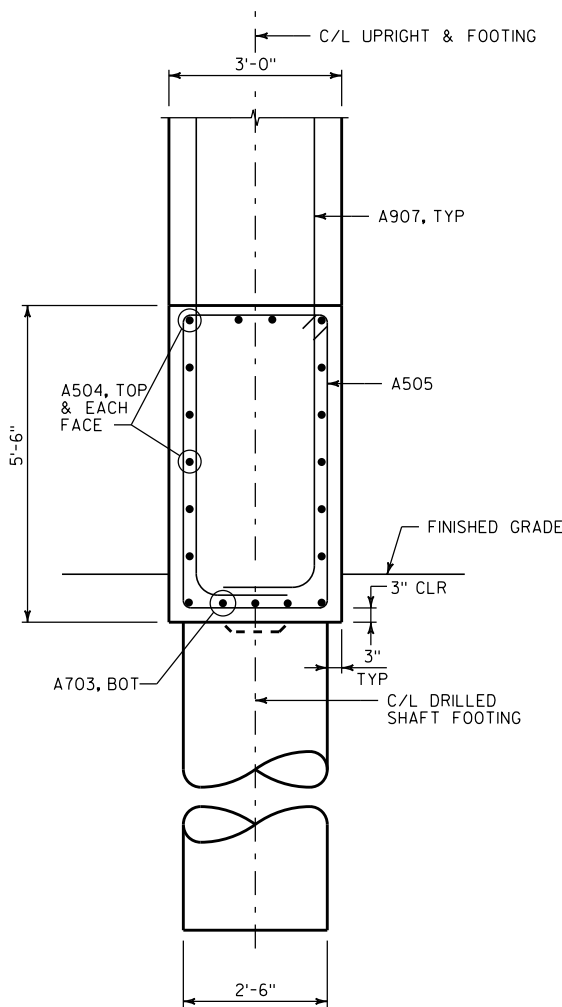
LEGEND

- ☆ ELEVATIONS GIVEN ALONG C/L UPRIGHT
 (XXX) SIGN NUMBERS (PERMANENT SIGNING PLAN)
 * INCLUDES ADDITIONAL 2'-0" OF CLEARANCE
 FOR FUTURE CATWALK INSTALLATION

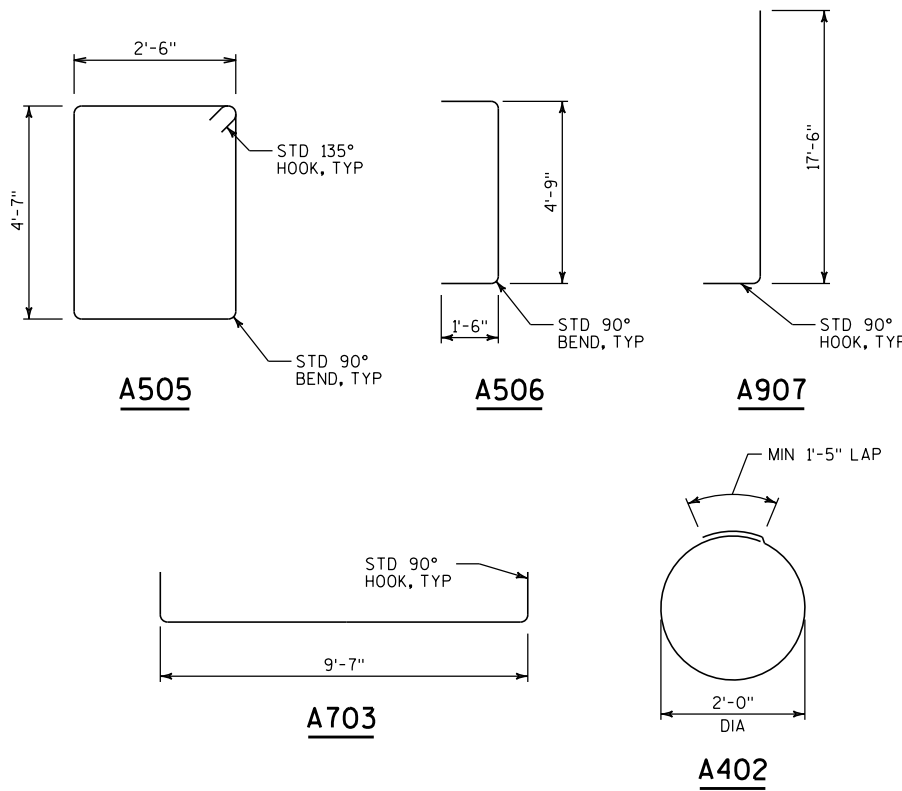
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE S-51-221			
DRAWN BY		KME	PLANS CK'D. KES
GENERAL PLAN & ELEVATION		SHEET 2 OF 6	



ELEVATION
(LOOKING NORTH)



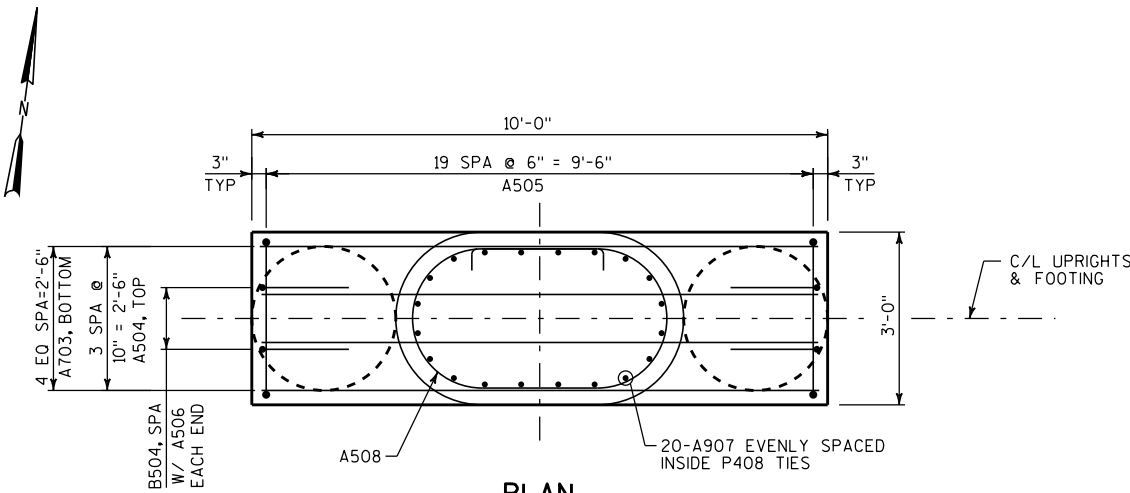
SECTION A-A
(LOOKING WEST)



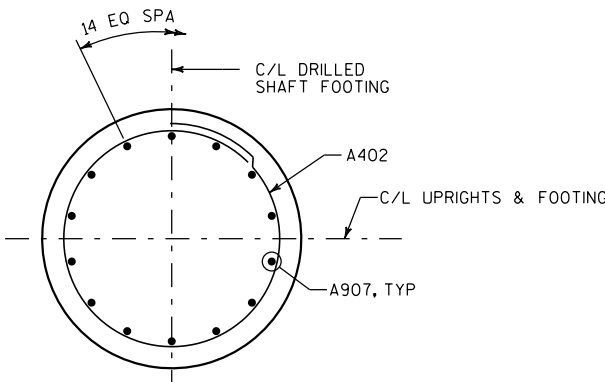
NOTE:
BAR DIMENSIONS ARE OUT TO OUT OF BAR.
THE FIRST OR FIRST TWO DIGITS
OF A BAR MARK SIGNIFIES THE BAR SIZE

BILL OF BARS

BAR MARK	COAT	NO REQ'D	LENGTH	BENT	LOCATION
A801	X	28	23'-0"		DRILLED FOOTING - VERTICAL
A402	X	42	7'-9"	X	DRILLED FOOTING - HORIZONTAL
A703	X	5	11'-7"	X	FOOTING - LONGITUDINAL - BOTTOM
A504	X	14	9'-8"		FOOTING - LONGITUDINAL - TOP & SIDES
A505	X	20	16'-0"	X	FOOTING - STIRRUP
A506	X	4	7'-7"	X	FOOTING - VERTICAL - EACH END
A907	X	20	17'-6"	X	COLUMN - VERTICAL
A508	X	27	15'-3"	X	COLUMN - TIES
A409	X	20	3'-2"		COLUMN - TIES
A410	X	20	2'-3"	X	COLUMN - TOP
A411	X	4	3'-8"		COLUMN - TOP



PLAN

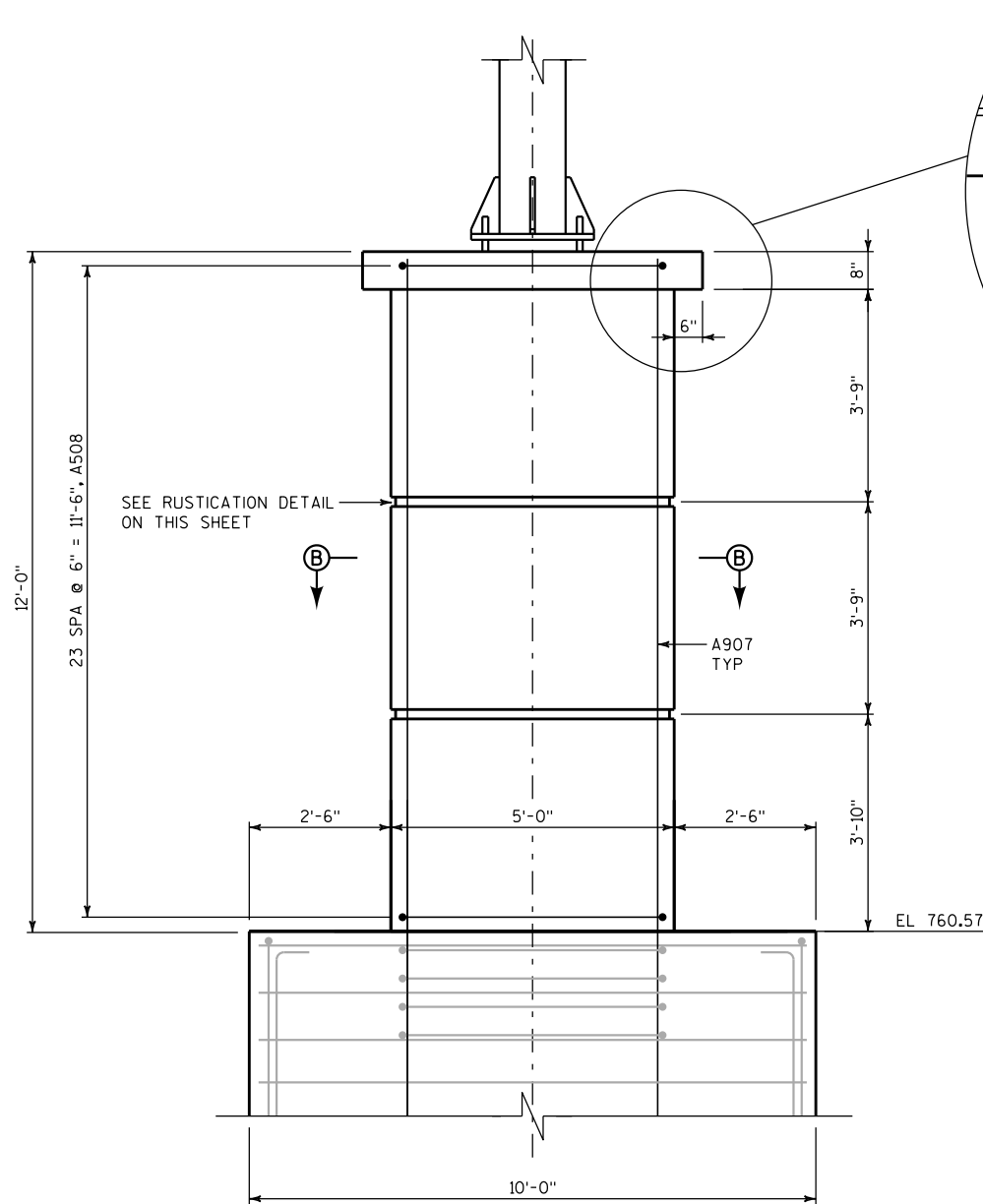


SECTION B-B

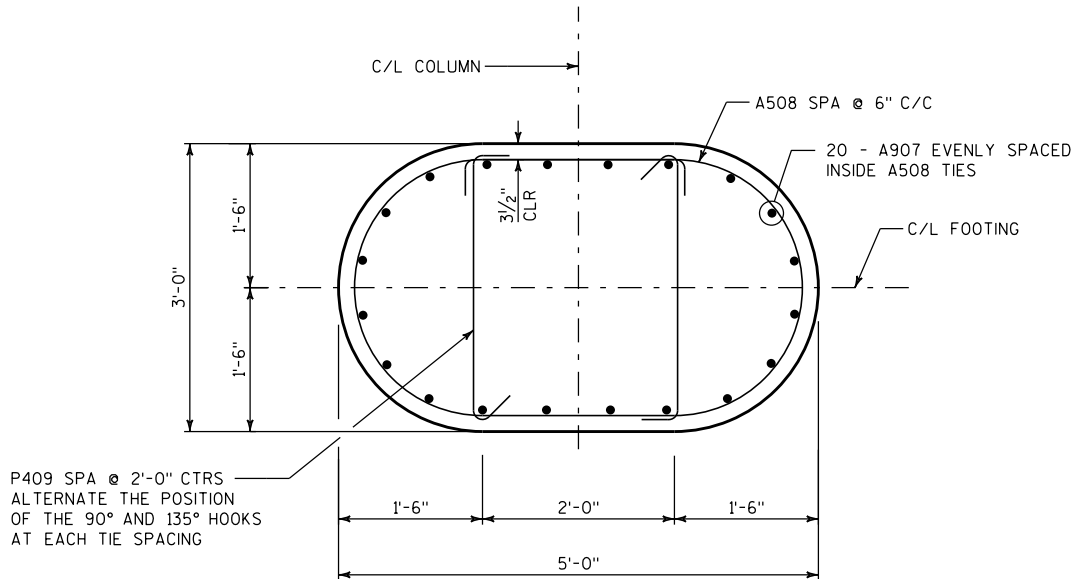
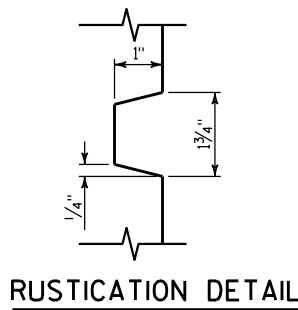
TYPICAL FOR EACH DRILLED SHAFT FOOTING

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE S-51-221			
DRAWN BY		KME	PLANS CK'D. KES
CONCRETE FOOTING DETAILS		SHEET 3 OF 6	

PR

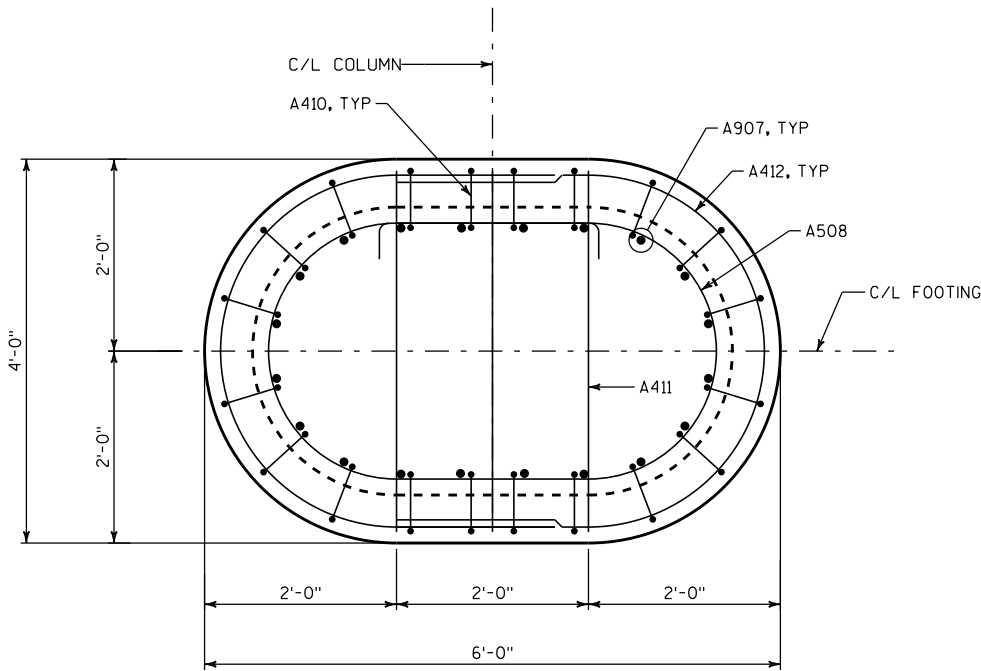


ELEVATION
(LOOKING NORTH)



SECTION B-B

TYPICAL COLUMN SECTION ABOVE TOP OF FOOTING

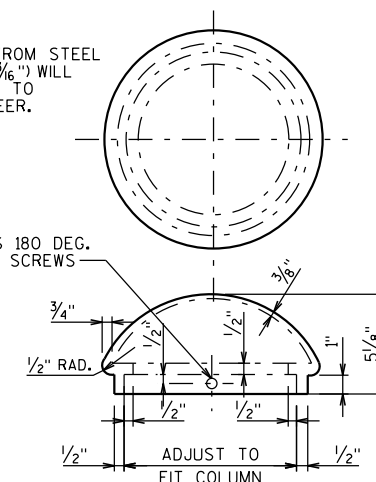
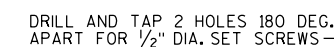
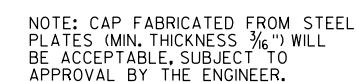


PLAN VIEW AT TOP

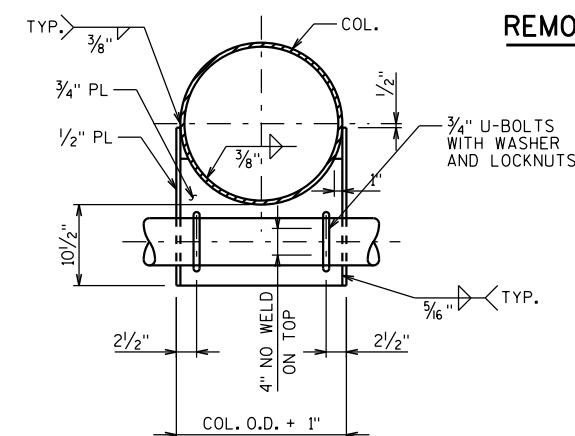
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE S-51-221			
DRAWN BY		KME	PLANS CK'D. KES
CONCRETE COLUMN DETAILS		SHEET 4 OF 6	
		PR	



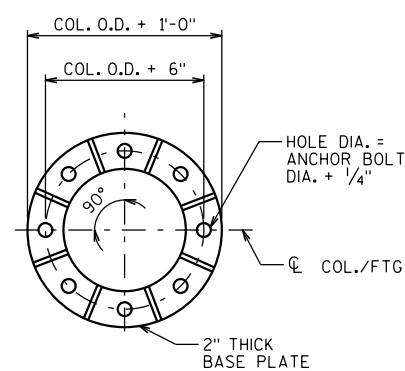
SIGN: W5X3.7 ALUM. TO BE
SUPPLIED WITH SIGN



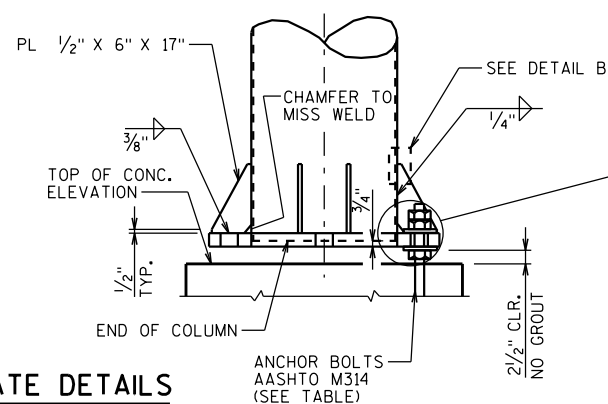
REMOVABLE TOWER CAP DETAIL



SECTION A-A



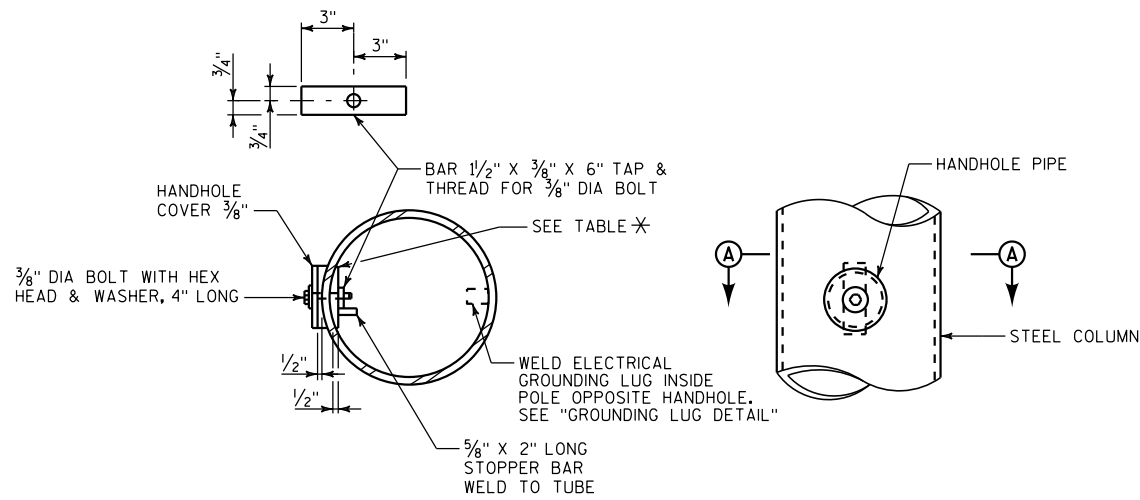
BASE PLATE DETAILS



STRUCTURE	CHORDS O.D. x THK.	COLUMN O.D. x THK.	L	A	B	C (NS)	C (FS)	D	ANCHOR BOLTS*
S-51-221	5.563" x 0.500"	14.00" O.D. x 0.500"	12'-0"	5'-2 1/2"	2'-0"	10'-0"	10'-0"	1'-6"	8 - 1 3/4" DIA. X 3'-10" LONG

* - INCLUDES 10" BOLT STANDOFF FROM TOP OF CONCRETE

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE S-51-221			
DRAWN BY		KME	PLANS CK'D. KES
BUTTERFLY SIGN DETAILS		SHEET 5 OF 6	



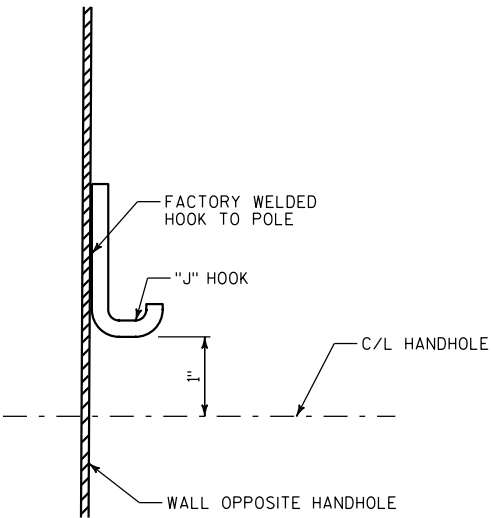
SECTION A-A

HANDHOLE DETAILS

HANDHOLE NOTES

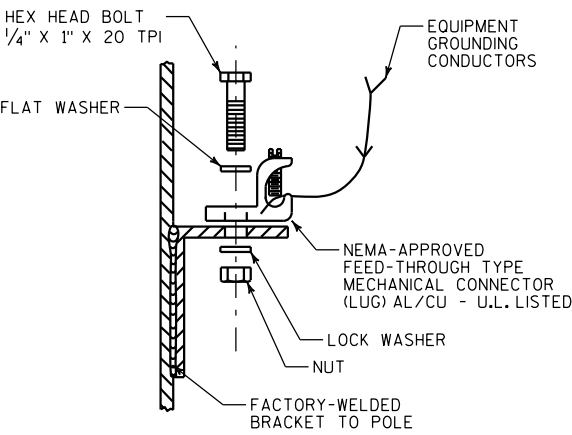
HANDHOLES SHALL BE LOCATED IN BOTH COLUMNS OF THE SIGN BRIDGE STRUCTURE FOR ELECTRICALLY OPERATED DEVICES INSTALLED ON/IN THE STRUCTURE IN THE FUTURE. COLUMNS WITH HANDHOLES SHALL BE NEAR THE FUTURE ELECTRICAL SERVICE. THE CONTRACTOR SHALL VERIFY THE LOCATION OF THE FUTURE ELECTRICAL SERVICE ENTRANCE WITH THE DISTRICT TRAFFIC SECTION PRIOR TO FABRICATION OF THE SIGN BRIDGE COLUMNS AND MEMBERS. CONDUIT (AS REQ'D) SHALL BE LOCATED, PLACED AND SIZED AS SHOWN ON THE ELECTRICAL DETAIL PLAN SHEETS.

✕ UPRIGHT DIAMETER SIZE	HANDHOLE PIPE O.D. X MIN THICKNESS
UP TO AND INCLUDING 16" X .375"	5.562" X .500"
GREATER THAN 16" X .375" TO AND INCLUDING 24" X .562"	6.625" X .562"



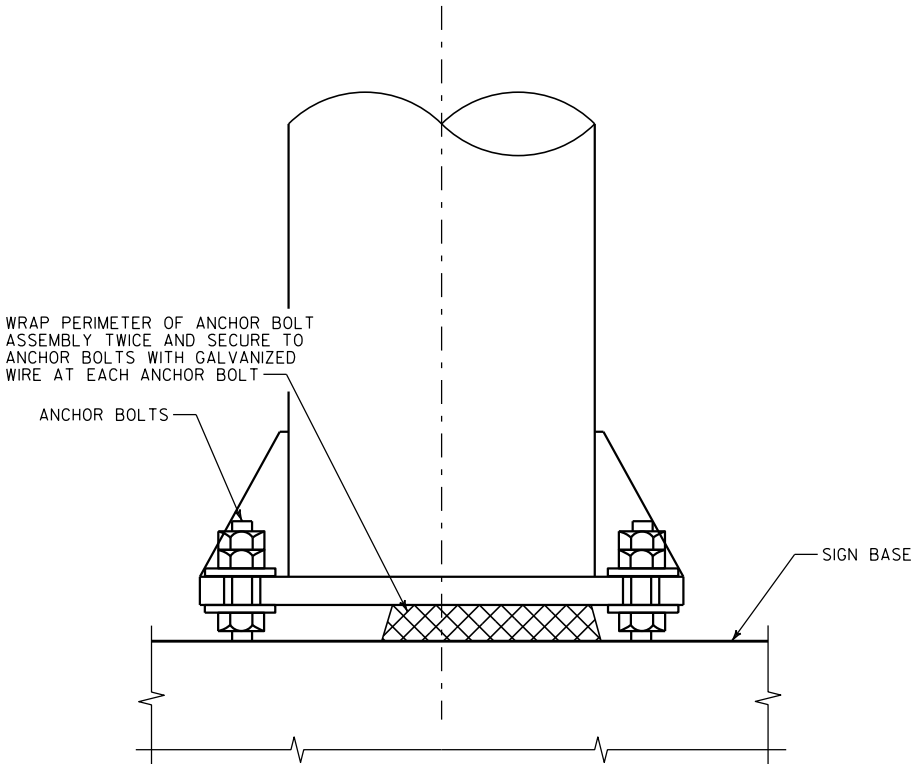
TYPICAL "J" HOOK LOCATION

THE "J" HOOK SHALL BE FACTORY WELDED TO THE INSIDE OF ALL COLUMNS CONTAINING ELECTRICAL WIRING. THE "J" HOOK SHALL BE ATTACHED ABOVE THE CENTERLINE OF THE UPPER HANDHOLE AND MOUNTED DIRECTLY OPPOSITE THE HANDHOLE AS SHOWN IN THE DRAWING.



GROUNDING LUG DETAIL

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



RODENT SCREEN

(ONLY REQ'D. WHEN ELECTRICAL DEVICES ARE INSTALLED)
(OUTER FOOTING)

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE S-51-221			
DRAWN BY		KME	PLANS CK'D. KES
HANDHOLE DETAILS			SHEET 6 OF 6
PR			

GENERAL NOTES:

DRAWINGS SHALL NOT BE SCALED.

ALL STRUCTURAL STEEL MEMBERS, PLATES, ANCHOR RODS, H.S. BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED PER SECTION 641 OF THE WISDOT STANDARD SPECIFICATIONS.

ALL H.S. BOLTED CONNECTIONS SHALL BE MADE WITH 3/4" Ø (DIAMETER) A325 GALVANIZED BOLTS EXCEPT AS NOTED. FIELD CONNECTIONS SHALL BE INSTALLED WITH DTI WASHERS.

CONTRACTOR SHALL VERIFY DIMENSIONS AND LOCATIONS OF ELECTRICAL FEEDS PRIOR TO FABRICATION OF STRUCTURE.

PREFABRICATE CAMBER INTO THE HORIZONTAL SUPPORT PROVIDING AN AMOUNT "Y" AT END OF TRUSS SHOWN IN "CAMBER DIAGRAM". DO NOT RAKE COLUMN BY ADJUSTMENT OF LEVELING NUTS.

WELD TEST AS PER AWS D1.1.

THE STRUCTURE MUST BE ASSEMBLED IN THE SHOP TO ASSURE FIT UP PER SECTION 641.3.3 OF THE WISDOT STANDARD SPECIFICATIONS.

EXACT LOCATION OF SIGN BRIDGE SHALL BE DETERMINED BY THE REGION TRAFFIC ENGINEER.

CONTRACTOR SHALL VERIFY UTILITY CONFLICTS PRIOR TO CONSTRUCTION OF FOOTINGS.

ALL REINFORCING BARS ARE ENGLISH. THE FIRST DIGIT OF A THREE DIGIT BAR MARK OR THE FIRST TWO DIGITS OF A FOUR DIGIT BAR MARK SIGNIFY THE BAR SIZE.

SIGN BRIDGE IDENTIFICATION PLAQUES SHALL BE CONSIDERED INCIDENTAL TO "SIGN BRIDGE STRUCTURE S-51-403". FABRICATE IN ACCORDANCE WITH SDD 12A 4-1

CENTER SIGNS VERTICALLY ON TRUSS.

SIGN BRIDGE STRUCTURES SHALL BE GROUNDED PER SDD 10HL 16-1 AND THE DETAILS ON SHEET X, X & X.

ELEVATIONS ARE IN FEET UNLESS OTHERWISE SHOWN OR NOTED.

ALTERNATE DESIGNS ARE NOT ALLOWED.

THIS LUMP SUM ITEM INCLUDES HORIZONTAL TRUSS, VERTICAL COLUMNS AND ANCHOR ASSEMBLIES.

VERTICAL CLEARANCE TO ACCOUNT FOR MAXIMUM SIGN DEPTH WITH 18'-3" BOTTOM OF CATWALK.

CATWALKS SHALL BE CONSIDERED INCIDENTAL TO "SIGN BRIDGE STRUCTURE S-51-403".

SEE ROADWAY PLANS FOR LOCATIONS OF EXISTING UTILITIES.

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
MOHAMMED ZAGLOUL (414) 751-7200

LIST OF DRAWINGS

- 1. GENERAL PLAN
- 2. SIGN STRUCTURE LAYOUT
- 3. FOOTING DETAILS
- 4. VMS SIGN BRIDGE DETAILS
- 5. VMS SIGN PANEL MOUNTING DETAILS
- 6. CATWALK DETAILS
- 7. TYPICAL HANDHOLE DETAILS
- 8. TRUSS/ POST CONNECTION & BASE PLATES

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEM	UNIT	TOTAL
502.3200	PROTECTIVE SURFACE TREATMENT	SY	XX
517.10105.X	CONCRETE STAINING S-51-403	SF	XX
636.0100	SIGN SUPPORTS CONCRETE MASONRY	CY	XX
636.1000	SIGN SUPPORTS STEEL REINFORCEMNT HS	LB	XXX
636.1500	SIGN SUPPORTS STEEL COATED REINFORCEMENT HS	LB	XXXX
641.6600.00X	SIGN BRIDGE S-51-403	LS	1

ALL ITEMS CATEGORY XXXX

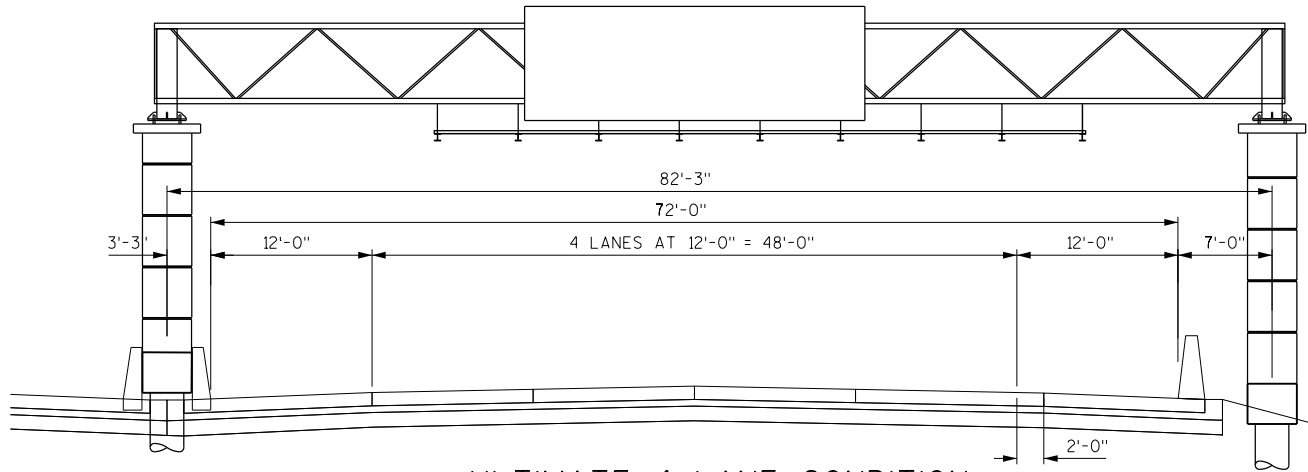
ELEVATION

(LOOKING NORTH AT FRONT FACE OF SIGNS)
S-51-403
IH 94 NB
STA 1189+00.00

GENERAL PLAN

SHEET 1 OF 9

PRE_200



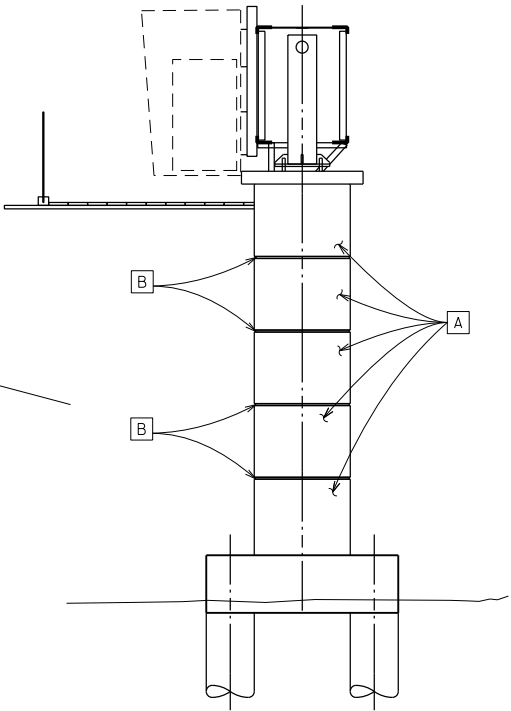
ULTIMATE 4 LANE CONDITION

CAMBER TABLE, INCHES

STRUCTURE	SPAN	DL DEFLECTION	RESIDUAL CAMBER	TOTAL CAMBER
S-51-403	82'-3"	5/8"	1"	1 5/8"

NOTE:

CAMBER AND DEFLECTIONS SHOWN ARE AT $\frac{1}{4}$ SPAN.
THE DEFLECTIONS AND CAMBER AT THE QUARTER
POINTS SHALL BE APPROXIMATELY 75% OF THESE VALUES.



END VIEW

DESIGN DATA:

DESIGN SIGN AREA 248.8 SF	AVERAGE V.M.S. SIGN DEPTH 7.85 FT	DESIGN SIGN WEIGHT 3651 LBS
------------------------------	---	--------------------------------

DESIGNED ACCORDING TO AASHTO STANDARD SPECIFICATIONS
FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGN, LUMINARIES
AND TRAFFIC SIGNALS, XTH EDITION, XXXX

DEAD LOAD - WT. OF SIGN, SUPPORTING STRUCTURE, CATWALK, AND RAILINGS.
LIVE LOAD - SINGLE LINE LOAD OF 500 LBS. DISTRIBUTED OVER 2'-0" OF CATWALK.
ICE LOAD - 3 P.S.F. TO ONE FACE, TOP & SIDES OF SIGN AND AROUND SURFACE OF MEMBERS.
WIND PRESSURE - 90 M.P.H. (3-SECOND GUST SPEED) TO SIGN AREA & EXPOSED MEMBERS.

WIND COMPONENTS	NORMAL	TRANSVERSE
COMBINATION 1	1.0	0.2
COMBINATION 2	0.6	0.3

GROUP LOADS	% OF ALLOWABLE STRESS
1. DEAD	100
2. DEAD + WIND	133
3. DEAD + ICE + 1/2 WIND	133

NOTE: WIND LOAD FOR GROUP 3 LOADING SHALL NOT BE LESS
THAN 25 P.S.F.

ULTIMATE DESIGN STRESSES

CONCRETE MASONRY ----- f'c = 3,500 psi

HIGH STRENGTH STEEL
REINFORCEMENT, GRADE 60 ----- fy = 60,000 psi

STRUCTURAL ANGLES,
PLATE AND BARS - ASTM A709 GRADE 36 ---- fy = 36,000 psi

CHORDS & COLUMN
(INCLUDING HANDHOLE) - API-5L-X42 ----- fy = 42,000 psi

HIGH STRENGTH BOLTS - A325 ----- fy = 92,000 psi

ANCHOR BOLTS - AASHTO M314 GRADE 55----- fy = 55,000 psi

HARDWARE GALVANIZED ----- ASTM A153 CLASS C

FOUNDATION DATA

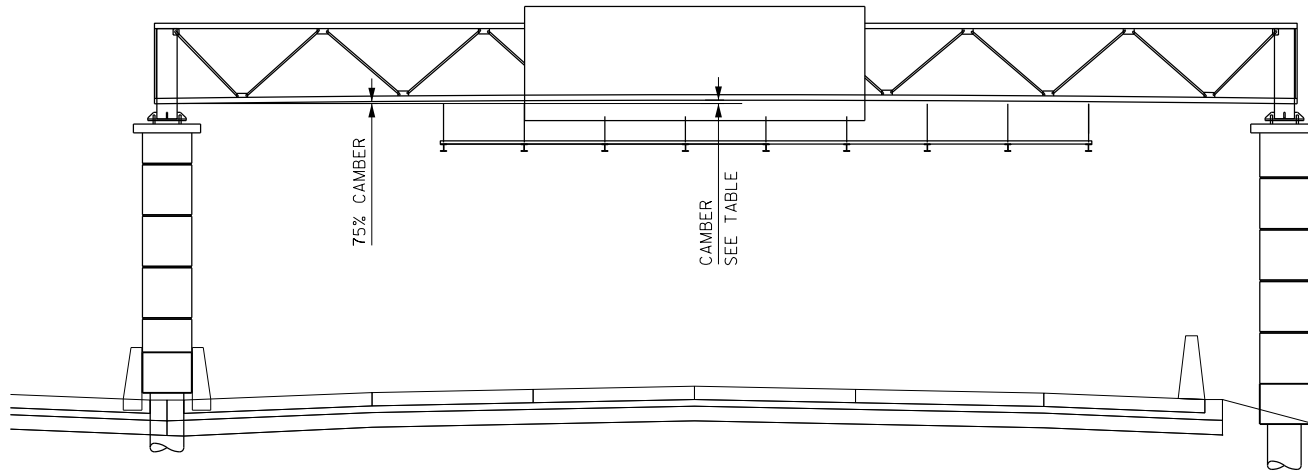
THE FOLLOWING ASSUMPTIONS WERE USED FOR THE DESIGN OF THE
FOUNDATION SYSTEM. IF VARIATIONS IN THE ASSUMED DESIGN
PARAMETERS ARE FOUND DURING CONSTRUCTION, NOTIFY THE PROJECT
ENGINEER FOR REQUIRED MODIFICATION TO THE FOUNDATION SYSTEM.

ALLOWABLE SHAFT END BEARING PRESSURE = 3000 PSF

ALLOWABLE SKIN FRICTION = 500 PSF

SOIL COHESION = 1000 PSF

ASSUMED SOIL FRICTION ANGLE = 30°



SIMPLE SPAN

CONCRETE STAINING SCHEDULE

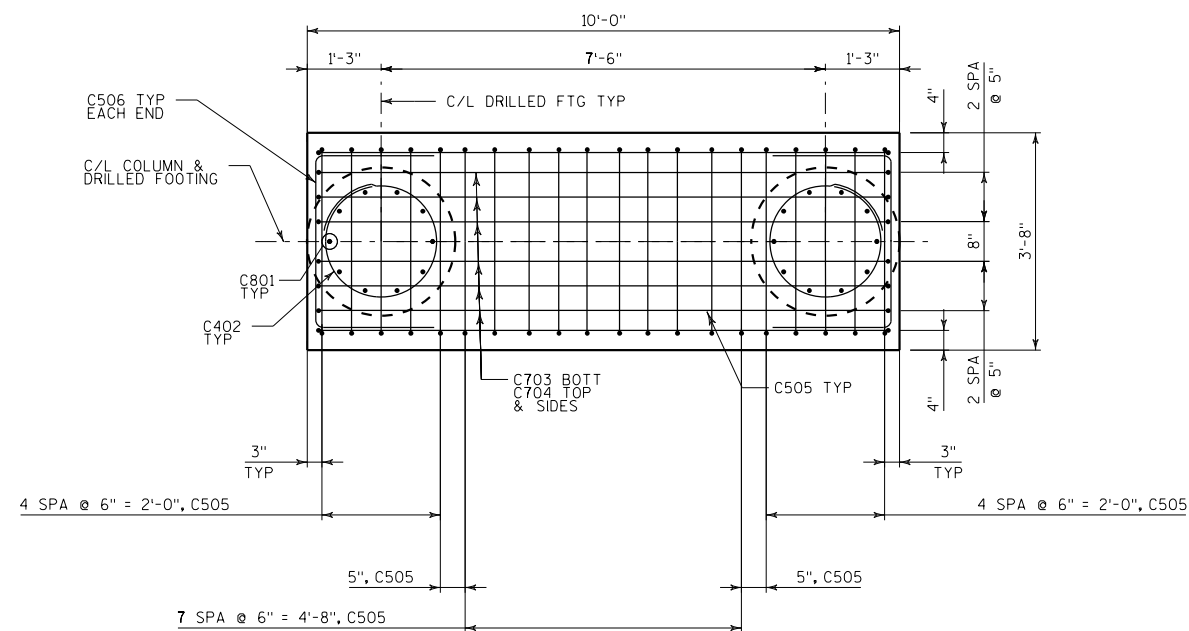
MARK	COLOR	LOCATION	NOTES
A	BASE COLOR	PIER	CAP & COLUMNS EXCEPT AS NOTED FOR ACCENT COLORS. FROM BEAM SEAT TO 1'-0" BELOW FINAL GRADE.
B	ACCENT COLOR #1	SLOPED FACE PARAPET	RECESSED PANELS ON EXTERIOR SIDES

SEE SPECIAL PROVISIONS FOR STAIN COLORS.

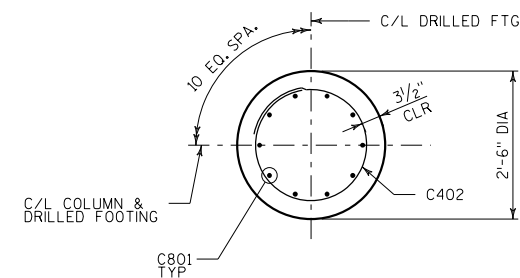
BENCHMARKS

NO.	COORDINATES	STATION	OFFSET	DESCRIPTION	ELEVATION
SEC4065	X = 594399.610 Y = 218096.829	1188+35.64	99.73 RT	NE 13-4-21	737.865

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE S-51-403			
DRAWN BY WAW		PLANS CK'D. MHZ	
SIGN STRUCTURE LAYOUT			SHEET 2 OF 9
PRE_201			



FOOTING PLAN



SECTION THRU DRILLED FOOTING

NOTES

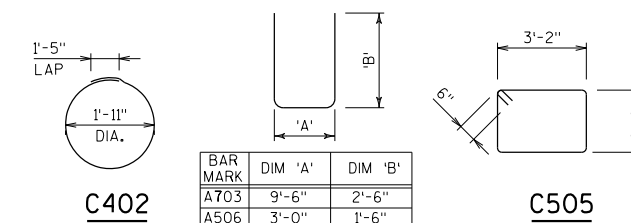
DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 3" CLEAR FOR FOOTING AND 2" CLEAR FOR CONCRETE COLUMN UNLESS OTHERWISE NOTED.

BILL OF BARS SHOWN IS ONLY FOR NORTH FOOTING OF SIGN STRUCTURE S-40-81.

ORIENT HORIZONTAL LEGS OF A801 COL BARS PARALLEL TO C505 STIRRUPS.

SEE PAGE 6 FOR COLUMN BARS (A801 AND A503) EMBED INTO FOOTING.

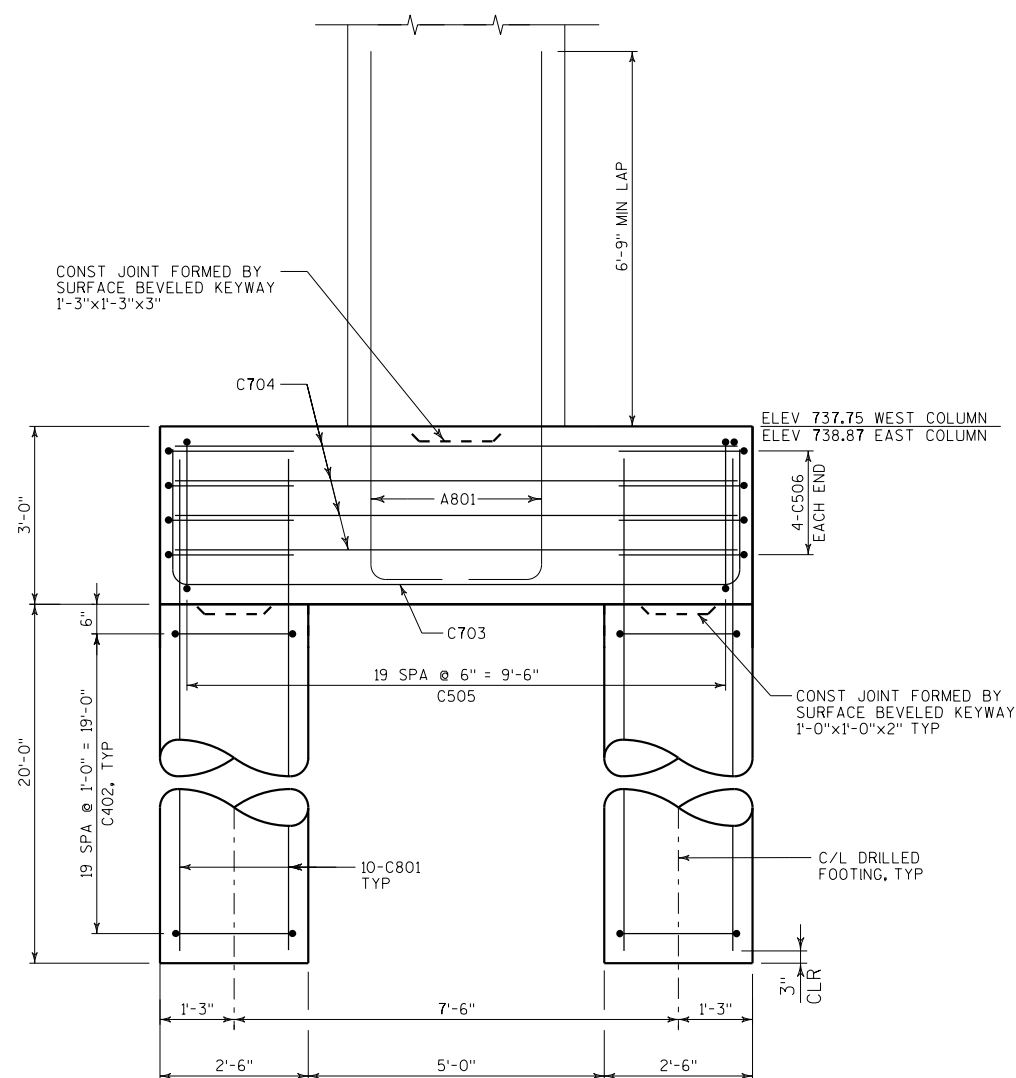


BENDING DIAGRAMS

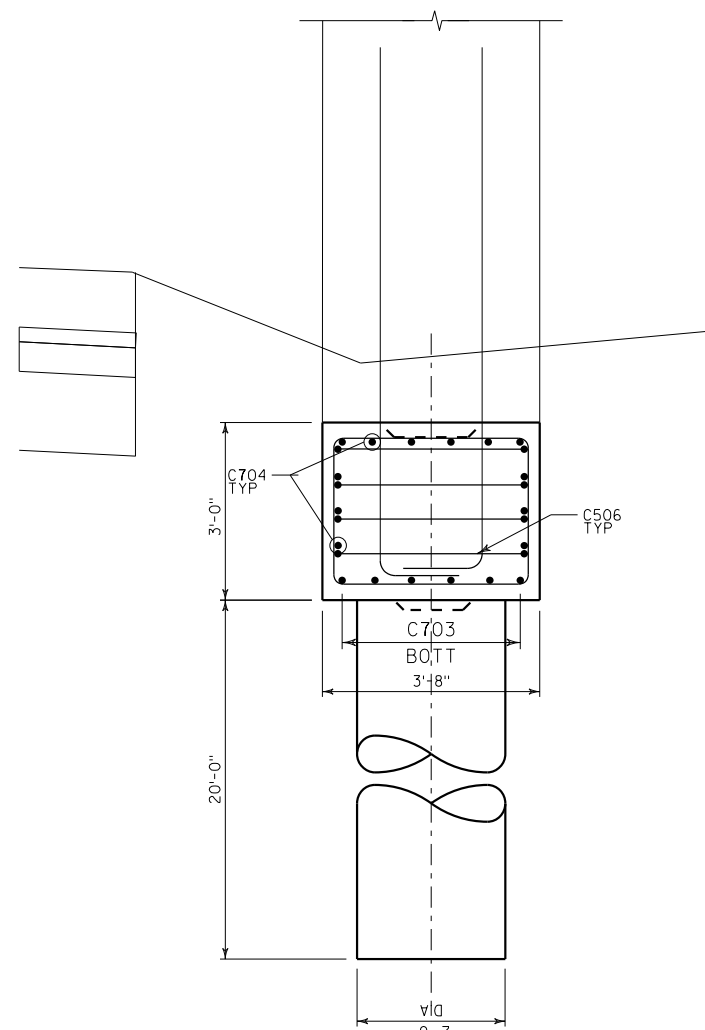
BILL OF BARS

BAR DIMENSIONS ARE OUT TO OUT OF BAR.

BAR MARK	COAT	NO. REQD	LENGTH	BENT	BAR SERIES	LOCATION
C801		20	22'-6"			DRILLED FOOTING - VERTICAL
C402		40	7'-5"	X		DRILLED FOOTING - HOOPS
C703		6	14'-2"	X		FOOTING - BOTTOM
C704		12	9'-6"			FOOTING - TOP & SIDES
C505		20	12'-0"	X		FOOTING - TIES
C506		6	5'-3"	X		FOOTING - END BARS

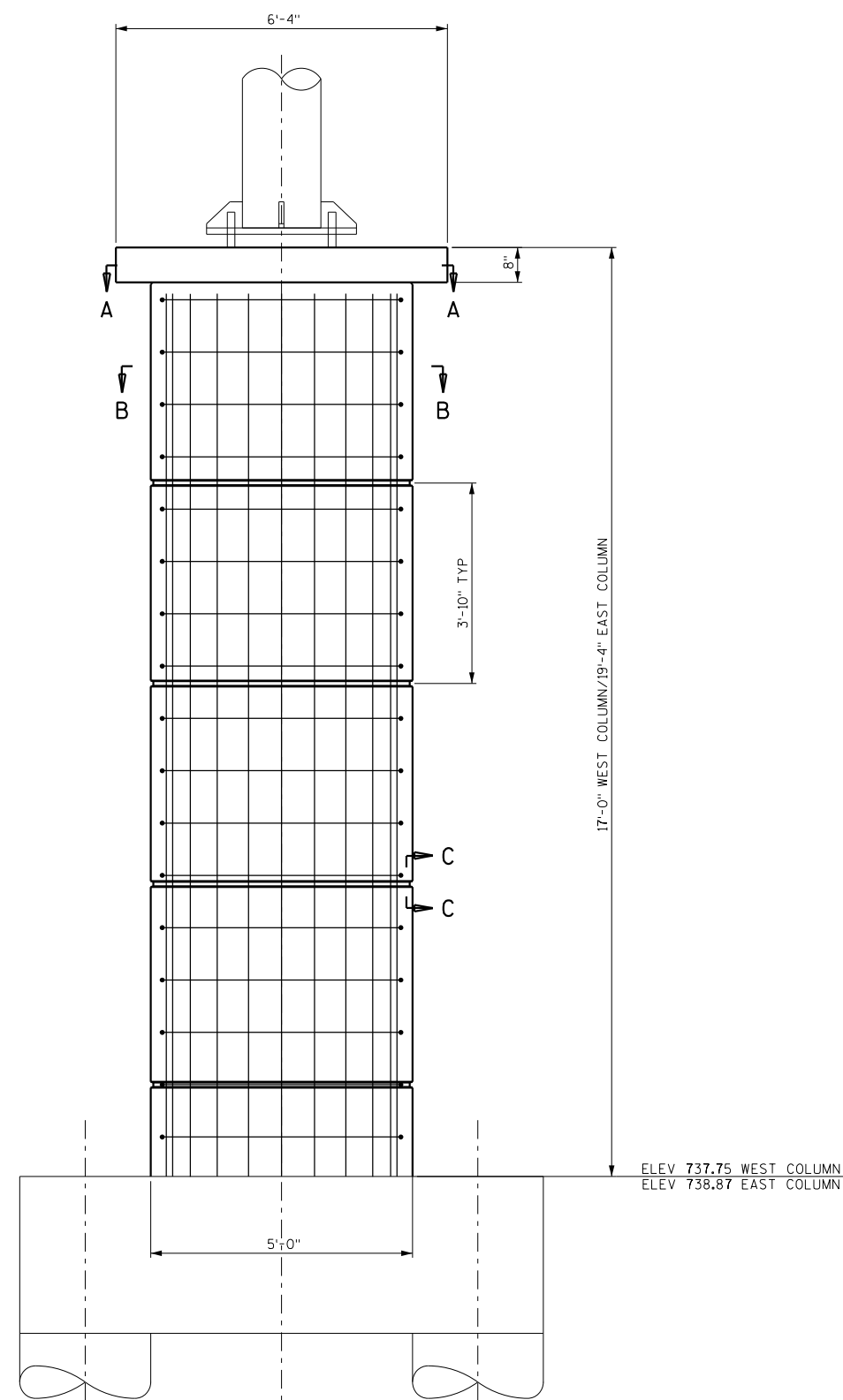


ELEVATION

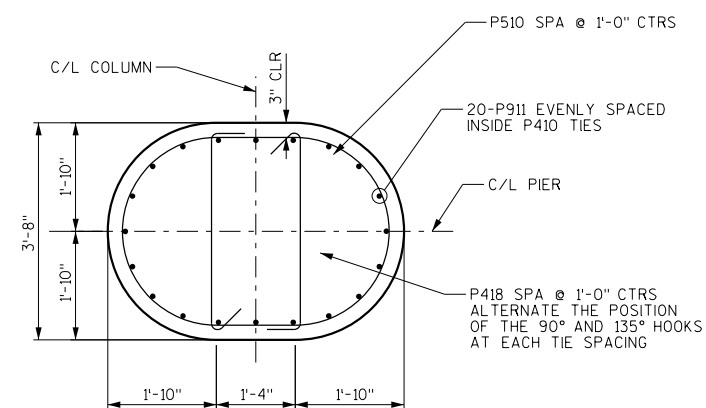


END VIEW

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE S-51-403			
		DRAWN BY WAW	PLANS CK'D. MHZ
FOOTING DETAILS			SHEET 3 OF
			PRE 202

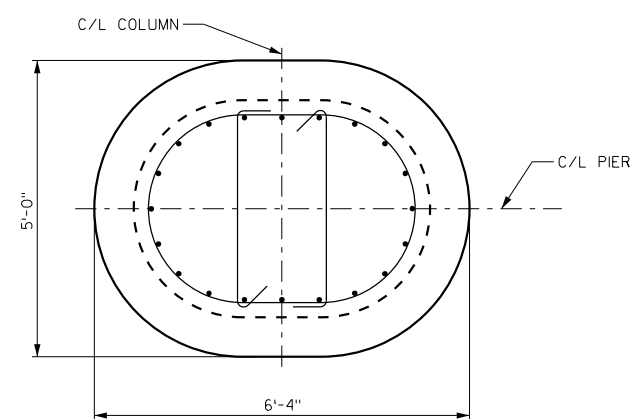


ELEVATION



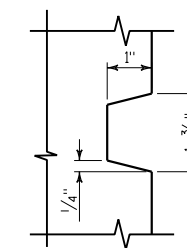
SECTION B-B

TYPICAL COLUMN SECTION



SECTION A-A

TYPICAL COLUMN SECTION AT TOP



SECTION C-C

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE S-51-403			
DRAWN BY WAW		PLANS CK'D. MHZ	
COLUMN DETAILS			SHEET 4 OF 9
PRE_203			

NOTES:

TRUSS SECTIONS SHALL BE MADE IN MULTIPLES OF 6'-0", EXCEPT THAT THE BRACING PANEL NEAREST EACH POST MAY TO MAKE UP THE NEEDED SECTION LENGTH. WELDED CHORD SPLICES ARE NOT PERMITTED.

UNLESS OTHERWISE SHOWN, ALL WELDS SHALL BE 1/4" FILLET WELDS. WELDS SHALL BE STOPPED 1/4" MIN, 1/2" MAX FROM THE EDGE OF CHORD ANGLE (CE) OR PLATE (F).

PROVIDE TWO 1/16" SHIMS PER CHORD FOR EACH BOLTED SPLICE: SHIM MATERIAL SHALL BE BRASS, STAINLESS STEEL, OR GALVANIZED STEEL.

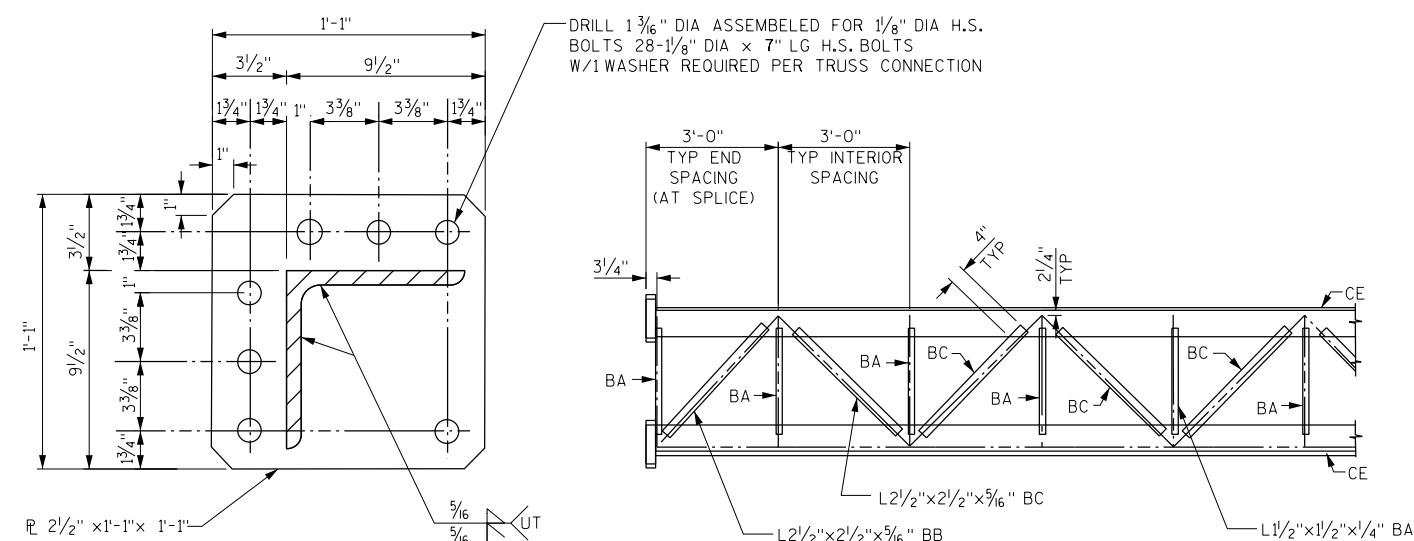
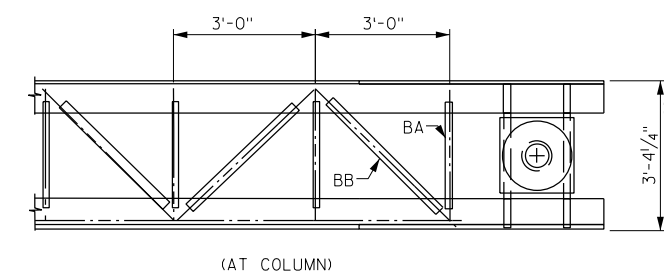
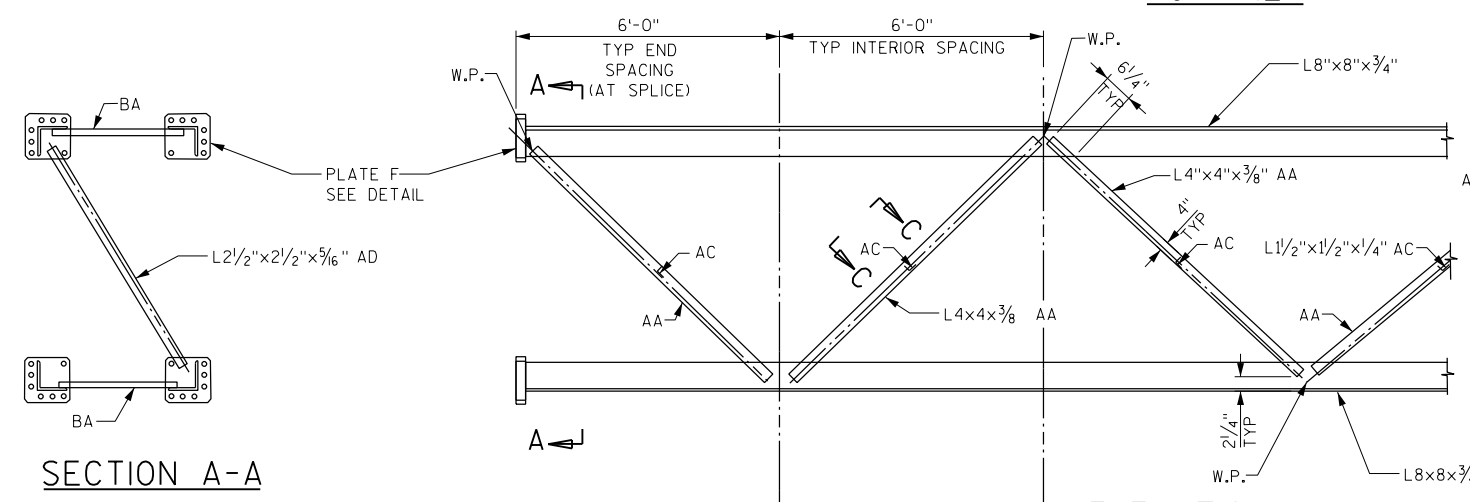
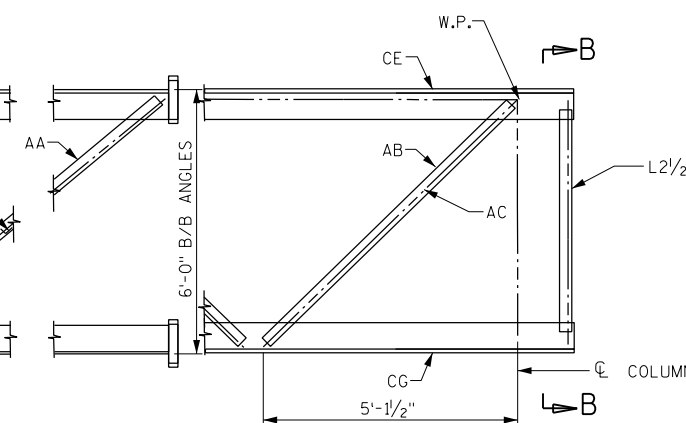
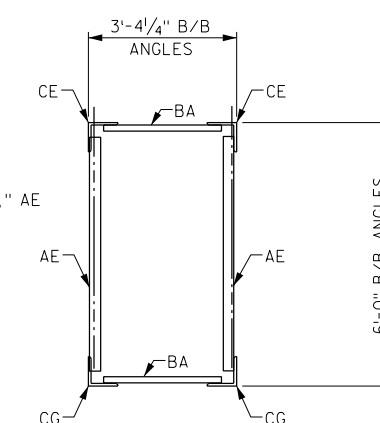
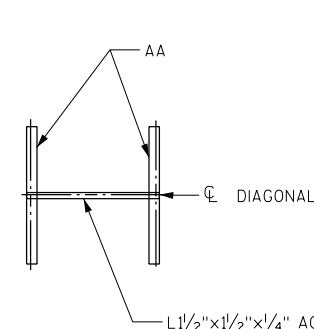
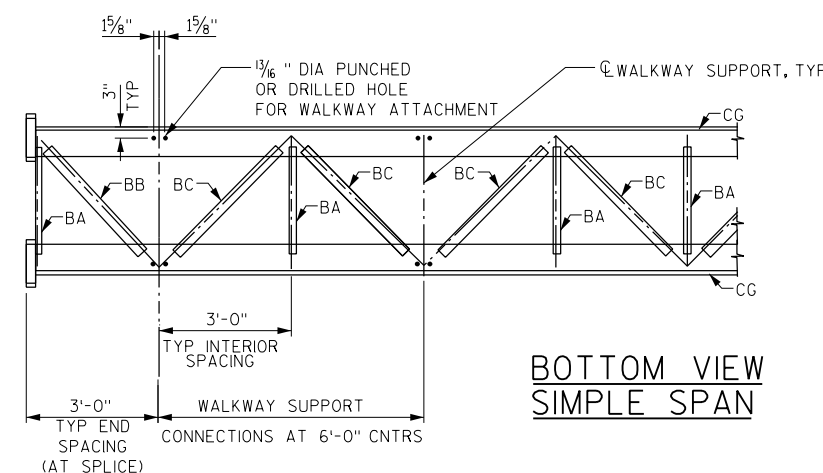
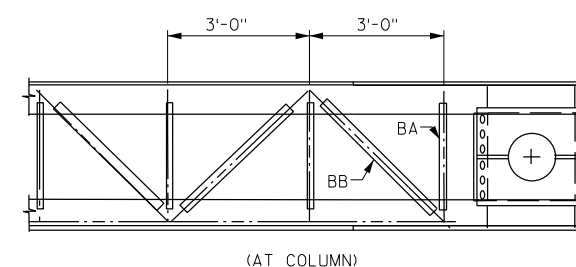
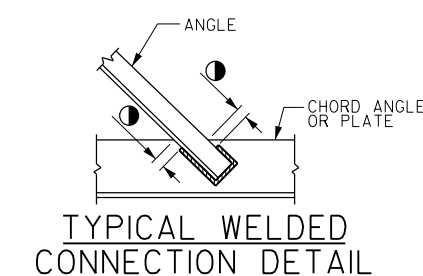
TRUSSES SHALL BE SHOP ASSEMBLED AND MATCH MARKED.

ALL VIEWS OF THE TRUSSES ARE DRAWN FROM THE INSIDE OF THE TRUSS LOOKING OUT.

CHORD SPLICES, IF REQUIRED, SHALL BE IN ACCORDANCE WITH PLATE F DETAIL.

CHORD SPLICES SHALL BE AT THE TOP OF THE DIAGONAL MEMBERS FOR PROPER WELDING.

SEE SHEET 9 FOR POST CONNECTION DETAIL.

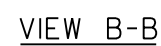
**PLATE F****TOP VIEW****ELEVATION****END ELEVATION
(AT COLUMN)****SECTION B-B****SECTION A-A****SECTION C-C****BOTTOM VIEW
SIMPLE SPAN****(AT COLUMN)****TYPICAL WELDED
CONNECTION DETAIL**

● 1/4" MIN, 1/2" MAX, TYP

MEMBER ID	DESCRIPTION
AA	L4"x4"x3/8"
AB	L4"x4"x3/8"
AC	L1 1/2"x1 1/2"x1/4"
AD	L2 1/2"x2 1/2"x5/16"
AE	L2 1/2"x2 1/2"x5/16"
BA	L1 1/2"x1 1/2"x1/4"
BB	L2 1/2"x2 1/2"x5/16"
BC	L2 1/2"x2 1/2"x5/16"
CE	L8"x8"x3/4"
CG	L8"x8"x3/4"

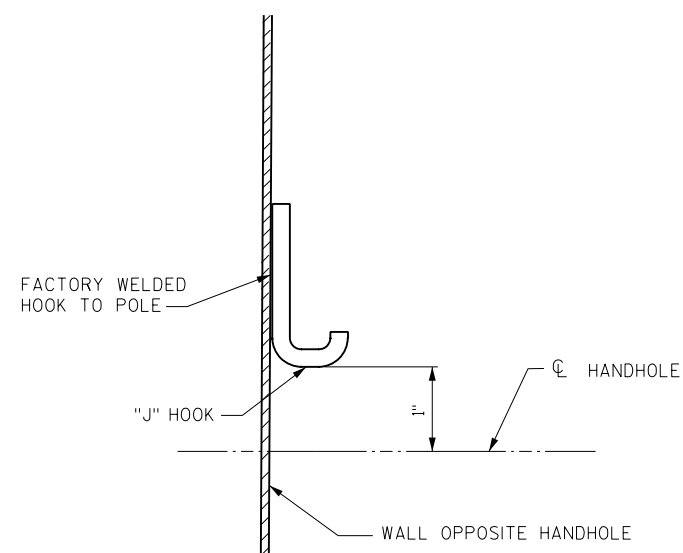
NOTE:
THE BOTTOM VIEW IS DETAILED TO PROVIDE FOR WALKWAY ATTACHMENT. WHERE THE WALKWAY IS OMITTED, PROVIDE STRUTS BA AS INDICATED IN THE TOP VIEW.

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE S-51-403			
DRAWN BY WAW		PLANS CK'D. MHZ	
VMS SIGN BRIDGE DETAILS			SHEET 5 OF 9
			PRE_204



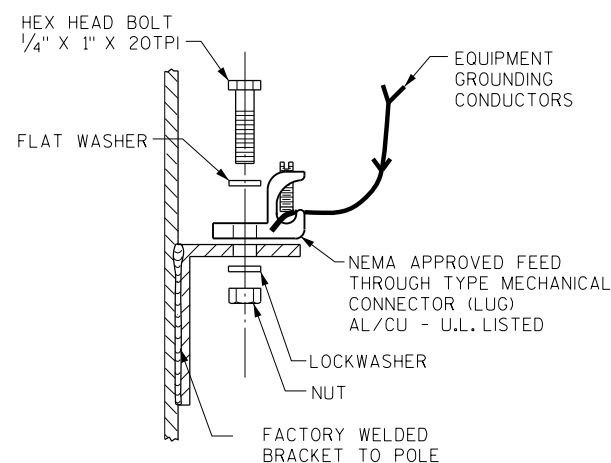
ALTERNATE DESIGNS FOR MOUNTING THE VMS SIGN TO THE TRUSS
SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE S-51-403			
		DRAWN BY	WAW
		PLANS CK'D.	MHZ
VMS SIGN PANEL MOUNTING DETAILS		SHEET 6 OF 9	
		PRE 205	



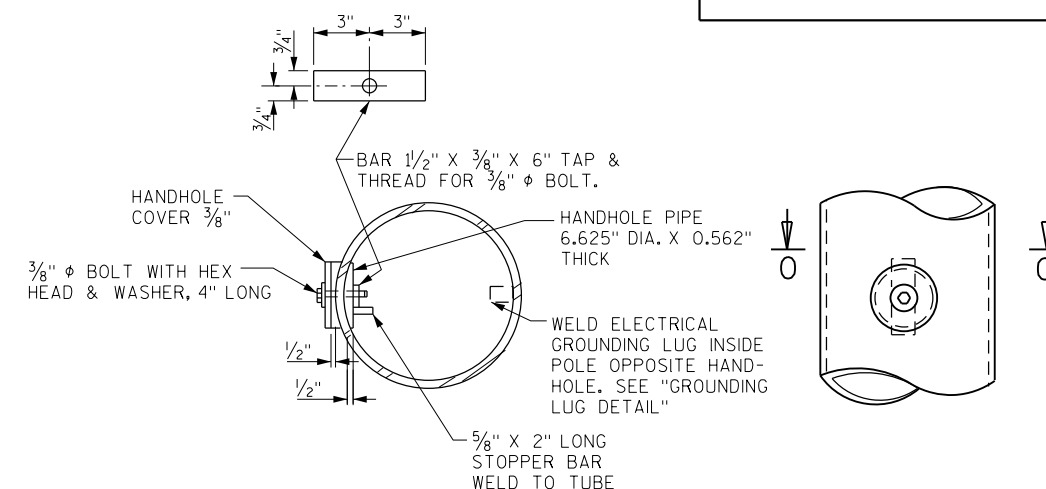
TYPICAL "J" HOOK LOCATION

THE "J" HOOK SHALL BE FACTORY WELDED TO THE INSIDE OF ALL COLUMNS CONTAINING ELECTRICAL WIRING. THE "J" HOOK SHALL BE ATTACHED ABOVE THE CENTERLINE OF THE UPPER HANDHOLE AND MOUNTED DIRECTLY OPPOSITE THE HANDHOLE AS SHOWN IN THE DRAWING.



GROUNDING LUG DETAIL

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

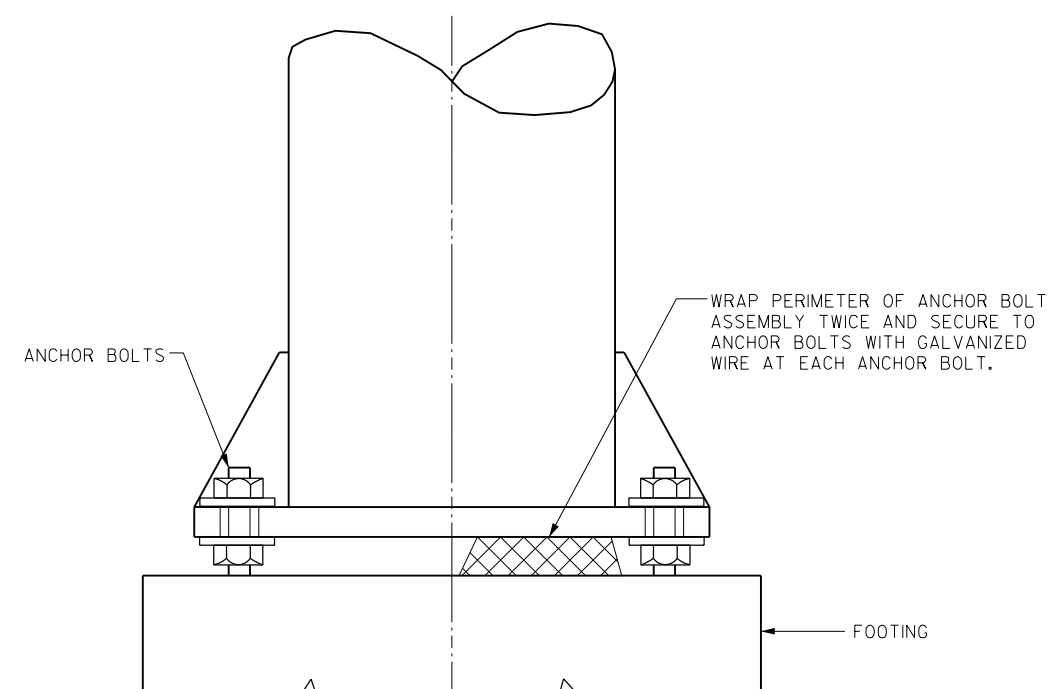


SECTION 'O'

HANDHOLE DETAILS

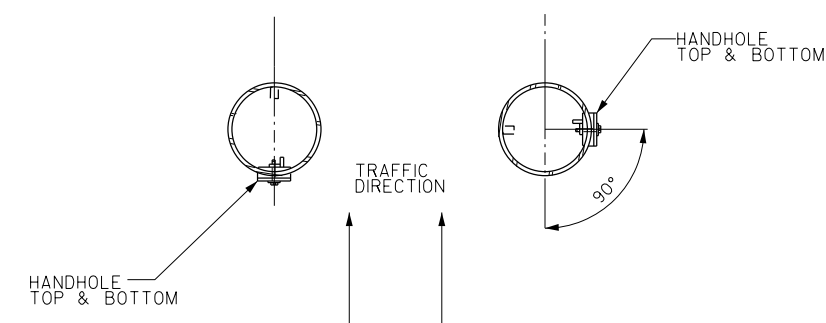
HANDHOLE NOTES

HANDHOLES SHALL BE LOCATED IN BOTH COLUMNS OF THE SIGN BRIDGE STRUCTURE IF ELECTRICALLY OPERATED DEVICES ARE INSTALLED ON/IN THE STRUCTURE. COLUMNS WITH HANDHOLES SHALL BE NEAR THE ELECTRICAL SERVICE. THE CONTRACTOR SHALL VERIFY THE LOCATION OF THE ELECTRICAL SERVICE ENTRANCE WITH THE DISTRICT TRAFFIC SECTION PRIOR TO FABRICATION OF THE SIGN BRIDGE COLUMNS AND MEMBERS. CONDUIT (AS REQ'D.) SHALL BE LOCATED, PLACED AND SIZED AS SHOWN ON THE ELECTRICAL DETAIL PLAN SHEETS.



RODENT SCREEN

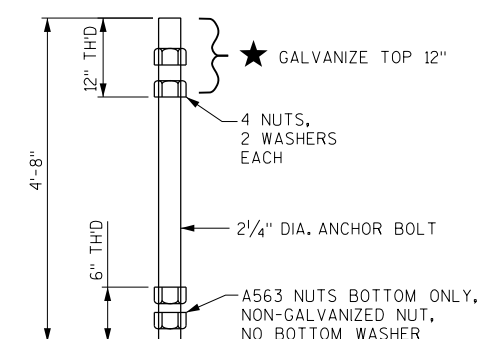
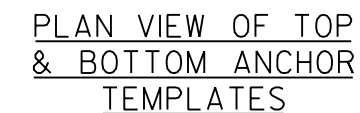
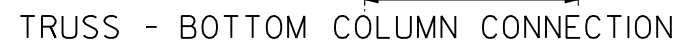
(ONLY REQ'D. WHEN ELECTRICAL DEVICES ARE INSTALLED)



HANDHOLE LOCATION

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE S-51-403			
DRAWN BY WAW		PLANS CK'D. MHZ	
TYPICAL HANDHOLE DETAILS			SHEET 8 OF 9
			PRE_207

STRUCTURE	COLUMN O.D. X THK.	ANCHOR BOLTS	BASE PLATE THICKNESS (IN.)	STIFFENER PLATE THICKNESS (IN.)	STIFFENER PLATE HEIGHT (IN.)	τ_w (IN.)
S-51-403	HSS18"X0.500"	2 1/4"	2 3/4"	3/4"	10"	5/16"



★ PRIOR TO INSTALLATION, ANCHOR BOLTS SHALL BE RIGIDLY HELD IN POSITION DURING CONCRETE PLACEMENT WITH TEMPLATES AT TOP AND BOTTOM. TOP TEMPLATE TO BE REMOVED AFTER CONCRETE HAS SET.



STATION	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
		Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill Note 3	EBS	Cut 1.00 Note 1	Expanded Fill 1.2	Expanded EBS Backfill 1.30 Note 5	Reduced EBS In Fill 0.80 Note 7	
1190+00	AH 0	11.7	0.00	18.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1190+50	50.00	12.6	0.00	16.0	0.00	23.29	0.00	29.61	0.00	23.29	35.53	0.00	0.00	-13.06
1191+00	50.00	12.6	0.00	16.5	0.00	23.29	0.00	30.57	0.00	46.58	72.22	0.00	0.00	-26.46
1191+50	50.00	12.6	0.00	16.2	0.00	23.29	0.00	30.09	0.00	69.86	108.33	0.00	0.00	-39.28
1192+00	50.00	12.6	0.00	15.5	0.00	23.29	0.00	28.72	0.00	93.15	142.79	0.00	0.00	-50.46
1192+50	50.00	12.6	0.00	14.8	0.00	23.29	0.00	27.44	0.00	116.44	175.72	0.00	0.00	-60.10
1193+00	50.00	12.6	0.00	13.1	0.00	23.29	0.00	24.26	0.00	139.72	204.83	0.00	0.00	-65.93
1193+50	50.00	12.6	0.00	12.0	0.00	23.29	0.00	22.23	0.00	163.01	231.51	0.00	0.00	-69.32
1194+00	50.00	13.0	0.00	12.1	0.00	24.15	0.00	22.38	0.00	187.16	258.36	0.00	0.00	-72.45
1194+50	50.00	14.1	0.00	10.7	0.00	26.07	0.00	19.84	0.00	213.23	282.16	0.00	0.00	-71.14
1195+00	50.00	15.4	0.00	9.0	0.00	28.54	0.00	16.70	0.00	241.76	302.20	0.00	0.00	-65.11
1195+50	50.00	20.2	0.00	7.8	0.00	32.97	0.00	15.59	0.00	274.73	320.91	0.00	0.00	-57.75
1196+00	50.00	32.2	0.00	4.2	0.00	48.53	0.00	11.16	0.00	323.26	334.30	0.00	0.00	-38.17
1196+50	50.00	17.6	0.00	22.9	0.00	46.15	0.00	25.16	0.00	369.42	364.49	0.00	0.00	-35.40
1197+00	50.00	16.8	0.00	13.5	0.00	31.91	0.00	33.71	0.00	401.32	404.94	0.00	0.00	-27.31
1197+50	50.00	18.3	0.00	2.9	0.00	32.54	0.00	15.18	0.00	433.86	423.16	0.00	0.00	0.63
1198+00	50.00	19.8	0.00	0.0	0.00	35.25	0.00	2.74	0.00	469.12	426.45	0.00	0.00	29.24
1198+50	50.00	27.8	0.00	0.0	0.00	44.01	0.00	0.02	0.00	513.12	426.48	0.00	0.00	61.75
1199+00	50.00	19.3	0.00	0.1	0.00	43.60	0.00	0.11	0.00	556.72	426.61	0.00	0.00	96.88
1199+50	50.00	25.6	0.00	0.0	0.00	41.55	0.00	0.11	0.00	598.27	426.74	0.00	0.00	140.75
1200+00	50.00	18.6	0.00	0.4	0.00	40.84	0.00	0.33	0.00	639.12	427.14	0.00	0.00	183.95
1200+50	50.00	20.2	0.00	0.6	0.00	35.87	0.00	0.88	0.00	674.98	428.19	0.00	0.00	224.45
1201+00	50.00	20.2	0.00	0.5	0.00	37.35	0.00	1.02	0.00	712.34	429.42	0.00	0.00	264.07
1201+50	50.00	35.8	0.00	0.0	0.00	51.79	0.00	0.48	0.00	764.13	430.00	0.00	0.00	299.35
1202+00	50.00	37.9	0.00	0.0	0.00	68.24	0.00	0.02	0.00	832.37	430.02	0.00	0.00	336.69
1202+50	50.00	35.1	0.00	0.0	0.00	67.63	0.00	0.00	0.00	900.00	430.02	0.00	0.00	388.48
1203+00	50.00	34.1	0.00	0.0	0.00	64.09	0.00	0.00	0.00	964.09	430.02	0.00	0.00	456.72
1203+50	50.00	25.5	0.00	0.4	0.00	55.22	0.00	0.34	0.00	1019.31	430.42	0.00	0.00	523.95
1204+00	50.00	24.1	0.00	0.9	0.00	45.97	0.00	1.15	0.00	1065.28	431.80	0.00	0.00	586.66
1204+50	50.00	21.2	0.00	1.5	0.00	42.00	0.00	2.21	0.00	1107.28	434.44	0.00	0.00	639.23
1205+00	50.00	19.5	0.00	1.8	0.00	37.72	0.00	3.03	0.00	1144.99	438.08	0.00	0.00	681.57
1205+50	50.00	20.5	0.00	1.7	0.00	36.98	0.00	3.23	0.00	1181.98	441.95	0.00	0.00	719.70
1206+00	50.00	21.6	0.00	1.6	0.00	38.91	0.00	3.07	0.00	1220.89	445.63	0.00	0.00	753.73
1206+50	50.00	18.4	0.00	2.5	0.00	36.98	0.00	3.76	0.00	1257.86	450.15	0.00	0.00	786.20
1207+00	50.00	18.2	0.00	2.8	0.00	33.83	0.00	4.86	0.00	1291.69	455.98	0.00	0.00	819.27
1207+50	50.00	17.1	0.00	3.0	0.00	32.62	0.00	5.38	0.00	1324.31	462.44	0.00	0.00	849.79
1208+00	50.00	16.9	0.00	3.4	0.00	31.43	0.00	5.98	0.00	1355.74	469.62	0.00	0.00	876.43
1208+50	50.00	16.1	0.00	4.9	0.00	30.56	0.00	7.76	0.00	1386.30	478.94	0.00	0.00	899.74
1209+00	50.00	13.7	0.00	5.9	0.00	27.63	0.00	10.02	0.00	1413.94	490.96	0.00	0.00	919.15
1209+50	50.00	13.7	0.00	12.7	0.00	25.34	0.00	17.20	0.00	1439.28	511.59	0.00	0.00	929.08
1210+00	50.00	16.8	0.00	8.3	0.00	28.24	0.00	19.48	0.00	1467.52	534.97	0.00	0.00	933.33
1210+50	50.00	16.6	0.00	7.1	0.00	30.96	0.00	14.26	0.00	1498.48	552.08	0.00	0.00	941.56
1211+00	50.00	15.5	0.00	11.3	0.00	29.69	0.00	16.95	0.00	1528.18	572.43	0.00	0.00	949.46
1211+50	50.00	18.3	0.00	6.9	0.00	31.29	0.00	16.84	0.00	1559.47	592.64	0.00	0.00	960.21
1212+00	50.00	16.2	0.00	9.2	0.00	31.99	0.00	14.95	0.00	1591.46	610.57	0.00	0.00	971.97
1212+50	50.00	19.0	0.00	4.7	0.00	32.65	0.00	12.87	0.00	1624.10	626.01	0.00	0.00	987.82
1213+00	50.00	20.9	0.00	1.9	0.00	36.97	0.00	6.13	0.00	1661.07	633.37	0.00	0.00	1012.45
Column totals						1473.91	0.00	312.51	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded Marsh Backfill	Will be backfilled with Granular Backfill (or Cut, or Borrow)
5 - Expanded EBS	Will be backfilled with Granular Backfill (or Cut, or Borrow)
6 - Reduced Marsh in Fill	Reduced Marsh Excavation that can be used in Fill
7 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
8 - Mass Ordinate	If Marsh and EBS to be backfilled with Granular: [(Cut) - ((Fill - Expanded Rock) * Fill Factor)]
8 - Mass Ordinate	If Marsh and EBS to be backfilled with Cut or Borrow: [(Cut) - ((Fill - Expanded Rock) * Fill Factor)]

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 1.00	Expanded Fill 1.2	Expanded EBS Backfill 1.30	Reduced EBS In Fill 0.80	
Note 1	Note 2	Note 3	Note 1	Note 5	Note 7	Note 8									
1188+00	AH 118800.00		76.4	0.0	33.9	0.00	0	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00
1188+50	118850.00	50.00	79.5	0.0	21.3	0.00	144.38	0.00	51.07	0.00	144.38	61.28	0.00	0.00	83.10
1189+00	118900.00	50.00	66.2	5.5	0.8	0.00	134.90	5.09	20.46	0.00	279.29	85.83	0.00	0.00	188.37
1189+50	118950.00	50.00	74.1	5.5	7.0	0.00	129.86	10.19	7.24	0.00	409.15	94.52	0.00	0.00	299.35
1190+00	119000.00	50.00	72.7	5.5	8.6	0.00	135.89	10.19	14.40	0.00	545.04	111.80	0.00	0.00	407.77
1190+50	119050.00	50.00	75.1	5.5	0.7	0.00	136.79	10.19	8.59	0.00	681.83	122.11	0.00	0.00	524.07
1191+00	119100.00	50.00	74.5	5.5	6.8	0.00	138.52	10.19	6.94	0.00	820.35	130.44	0.00	0.00	644.08
1191+50	119150.00	50.00	72.7	5.5	8.5	0.00	136.30	10.19	14.14	0.00	956.65	147.40	0.00	0.00	753.22
1192+00	119200.00	50.00	72.2	5.5	10.7	0.00	134.08	10.19	17.76	0.00	1090.73	168.71	0.00	0.00	855.82
1192+50	119250.00	50.00	70.2	5.5	20.9	0.00	131.77	10.19	29.29	0.00	1222.50	203.85	0.00	0.00	942.26
1193+00	119300.00	50.00	65.4	5.5	26.4	0.00	125.49	10.19	43.88	0.00	1347.99	256.52	0.00	0.00	1009.34
1193+50	119350.00	50.00	59.5	5.5	29.9	0.00	115.66	10.19	52.16	0.00	1463.65	319.11	0.00	0.00	1066.48
1194+00	119400.00	50.00	54.3	5.5	28.1	0.00	105.44	10.19	53.72	0.00	1569.09	383.57	0.00	0.00	1107.49
1194+50	119450.00	50.00	49.4	5.5	27.7	0.00	96.05	10.19	51.70	0.00	1665.14	445.62	0.00	0.00	1150.92
1195+00	119500.00	50.00	71.5	16.9	31.2	0.00	111.92	20.72	54.53	0.00	1777.06	511.05	0.00	0.00	1170.21
1195+50	119550.00	50.00	63.6	16.9	32.7	0.00	125.05	31.25	59.14	0.00	1902.10	582.02	0.00	0.00	1164.04
1196+00	119600.00	50.00	58.2	16.9	33.3	0.00	112.75	31.25	61.10	0.00	2014.85	655.34	0.00	0.00	1171.38
1196+50	119650.00	50.00	50.4	16.9	34.4	0.00	100.50	31.25	62.65	0.00	2115.36	730.52	0.00	0.00	1190.00
1197+00	119700.00	50.00	70.6	26.9	24.0	0.00	112.02	40.51	54.01	0.00	2227.37	795.33	0.00	0.00	1197.43
1197+50	119750.00	50.00	68.6	26.9	19.0	0.00	128.94	49.77	39.80	0.00	2356.31	843.09	0.00	0.00	1200.40
1198+00	119800.00	50.00	63.5	26.9	13.4	0.00	122.30	49.77	30.01	0.00	2478.61	879.10	0.00	0.00	1226.64
1198+50	119850.00	50.00	59.5	26.9	23.1	0.00	113.85	49.77	33.79	0.00	2592.46	919.66	0.00	0.00	1265.26
1199+00	119900.00	50.00	73.2	36.9	27.2	0.00	122.83	59.03	46.62	0.00	2715.29	975.60	0.00	0.00	1272.58
1199+50	119950.00	50.00	69.0	36.9	21.9	0.00	131.66	68.29	45.53	0.00	2846.95	1030.24	0.00	0.00	1263.51
1200+00	120000.00	50.00	83.0	36.9	24.7	0.00	140.82	68.29	43.18	0.00	2987.77	1082.06	0.00	0.00	1266.24
1200+50	120050.00	50.00	76.6	36.9	27.1	0.00	147.80	68.29	47.95	0.00	3135.56	1139.59	0.00	0.00	1272.07
1201+00	120100.00	50.00	72.1	36.9	16.4	0.00	137.63	68.29	40.22	0.00	3273.19	1187.86	0.00	0.00	1296.34
1201+50	120150.00	50.00	69.0	36.9	27.2	0.00	130.61	68.29	40.34	0.00	3403.80	1236.27	0.00	0.00	1327.43
1202+00	120200.00	50.00	63.4	36.9	23.6	0.00	122.55	68.29	47.09	0.00	3526.35	1292.78	0.00	0.00	1340.26
1202+50	120250.00	50.00	58.6	36.9	13.3	0.00	112.95	68.29	34.22	0.00	3639.29	1333.85	0.00	0.00	1361.52
1203+00	120300.00	50.00	20.8	36.9	14.7	0.00	73.51	68.29	25.93	0.00	3712.80	1364.97	0.00	0.00	1384.66
1203+50	120350.00	50.00	23.0	36.9	14.9	0.00	40.56	68.29	27.37	0.00	3753.37	1397.81	0.00	0.00	1396.48
1204+00	120400.00	50.00	20.0	36.9	19.6	0.00	39.82	68.29	31.96	0.00	3793.19	1436.16	0.00	0.00	1363.35
1204+50	120450.00	50.00	15.2	36.9	30.7	0.00	32.56	68.29	46.66	0.00	3825.75	1492.16	0.00	0.00	1279.63
1205+00	120500.00	50.00	16.1	36.9	30.6	0.00	28.95	68.29	56.84	0.00	3854.70	1560.36	0.00	0.00	1182.96
1205+50	120550.00	50.00	19.8	36.9	30.4	0.00	33.19	68.29	56.53	0.00	3887.89	1628.20	0.00	0.00	1079.39
1206+00	120600.00	50.00	19.7	36.9	30.4	0.00	36.53	68.29	56.26	0.00	3924.43	1695.72	0.00	0.00	972.54
1206+50	120650.00	50.00	22.4	36.9	30.7	0.00	38.97	68.29	56.52	0.00	3963.40	1763.54	0.00	0.00	869.63
1207+00	120700.00	50.00	27.5	36.9	20.5	0.00	46.22	68.29	47.42	0.00	4009.62	1820.43	0.00	0.00	780.97
1207+50	120750.00	50.00	26.8	36.9	22.4	0.00	50.24	68.29	39.78	0.00	4059.86	1868.18	0.00	0.00	703.92
1208+00	120800.00	50.00	27.3	36.9	24.0	0.00	50.03	68.29	43.03	0.00	4109.89	1919.81	0.00	0.00	630.22
1208+50	120850.00	50.00	34.5	36.9	35.0	0.00	57.17	68.29	54.69	0.00	4167.06	1985.43	0.00	0.00	546.55
1209+00	120900.00	50.00	43.7	36.9	35.1	0.00	72.41	68.29	64.95	0.00	4239.47	2063.37	0.00	0.00	450.36
1209+50	120950.00	50.00	49.8	36.9	41.6	0.00	86.59	68.29	71.07	0.00	4326.06	2148.65	0.00	0.00	353.96
1210+00	121000.00	50.00	99.1	36.9	38.9	0.00	137.89	68.29	74.53	0.00	4463.95	2238.09	0.00	0.00	268.64
1210+50	121050.00	50.00	104.4	36.9	50.1	0.00	188.47	68.29	82.38	0.00	4652.42	2336.94	0.00	0.00	188.10
1211+00	121100.00	50.00	108.1	36.9	47.2	0.00	196.79	68.29	90.13	0.00	4849.20	2445.09	0.00	0.00	149.54
1211+50	121150.00	50.00	113.7	36.9	46.6	0.00	205.39	68.29	86.84	0.00	5054.59	2549.30	0.00	0.00	165.52
1212+00	121200.00	50.00	109.4	36.9	54.2	0.00	206.57	68.29	93.32	0.00	5261.16	2661.29	0.00	0.00	182.03
1212+50	121250.00	50.00	126.7	36.9	52.6	0.00	218.59	68.29	98.88	0.00	5479.75	2779.94	0.00	0.00	200.47
1213+00	121300.00	50.00	125.0	36.9	52.7	0.00	233.03	68.29	97.49	0.00	5712.78	2896.92	0.00	0.00	221.77
Column totals							5712.78	2392.48	2414.10	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded Marsh Backfill	Will be backfilled with Granular Backfill (or Cut, or Borrow)
5 - Expanded EBS	Will be backfilled with Granular Backfill (or Cut, or Borrow)
6 - Reduced Marsh in Fill	Reduced Marsh Excavation that can be used in Fill
7 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
8 - Mass Ordinate	If Marsh and EBS to be backfilled with Granular: [(Cut) - ((Fill - Expanded Rock) * Fill Factor)]
8 - Mass Ordinate	If Marsh and EBS to be backfilled with Cut or Borrow: [(Cut) - ((Fill - Expanded Rock) * Fill Factor)]

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 1.00	Expanded Fill 1.2	Expanded EBS Backfill 1.30	Reduced EBS In Fill 0.80	
Note 1	Note 2	Note 3	Note 1	Note 5	Note 7	Note 8									
1188+00 AH	118800.00		148.3	0.00	0.0	0.00	0	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00
1188+50	118850.00	50.00	153.4	0.0	0.0	0.00	279.42	0.00	0.02	0.00	279.42	0.03	0.00	0.00	279.39
1189+00	118900.00	50.00	154.3	36.5	0.0	0.00	284.91	33.80	0.02	0.00	564.33	0.05	0.00	0.00	530.48
1189+50	118950.00	50.00	154.0	36.5	0.0	0.00	285.47	67.59	0.00	0.00	849.79	0.06	0.00	0.00	748.35
1190+00	119000.00	50.00	155.0	36.5	0.0	0.00	286.15	67.59	0.00	0.00	1135.95	0.06	0.00	0.00	966.91
1190+50	119050.00	50.00	152.1	36.5	0.0	0.00	284.39	67.59	0.00	0.00	1420.34	0.06	0.00	0.00	1183.70
1191+00	119100.00	50.00	153.3	36.5	0.0	0.00	282.86	67.59	0.01	0.00	1703.20	0.07	0.00	0.00	1398.96
1191+50	119150.00	50.00	155.7	36.5	0.0	0.00	286.13	67.59	0.01	0.00	1989.33	0.08	0.00	0.00	1617.48
1192+00	119200.00	50.00	155.3	36.5	0.0	0.00	287.92	67.59	0.00	0.00	2277.24	0.09	0.00	0.00	1837.80
1192+50	119250.00	50.00	152.1	36.5	0.0	0.00	284.65	67.59	0.02	0.00	2561.89	0.11	0.00	0.00	2054.84
1193+00	119300.00	50.00	150.2	36.5	0.0	0.00	279.93	67.59	0.02	0.00	2841.83	0.13	0.00	0.00	2268.98
1193+50	119350.00	50.00	147.4	36.5	0.0	0.00	275.51	67.59	0.04	0.00	3117.34	0.17	0.00	0.00	2483.09
1194+00	119400.00	50.00	141.0	36.5	0.1	0.00	266.96	67.59	0.09	0.00	3384.30	0.29	0.00	0.00	2690.90
1194+50	119450.00	50.00	134.4	36.5	0.3	0.00	254.98	67.59	0.31	0.00	3639.28	0.65	0.00	0.00	2898.45
1195+00	119500.00	50.00	101.1	26.5	0.4	0.00	218.10	58.33	0.62	0.00	3857.38	1.40	0.00	0.00	3106.33
1195+50	119550.00	50.00	96.2	26.5	0.4	0.00	182.69	49.07	0.76	0.00	4040.07	2.32	0.00	0.00	3311.32
1196+00	119600.00	50.00	93.8	26.5	0.5	0.00	175.89	49.07	0.82	0.00	4215.96	3.30	0.00	0.00	3479.36
1196+50	119650.00	50.00	88.6	26.5	0.6	0.00	168.83	49.07	1.01	0.00	4384.79	4.52	0.00	0.00	3611.76
1197+00	119700.00	50.00	60.5	16.5	0.8	0.00	138.04	39.81	1.35	0.00	4522.84	6.14	0.00	0.00	3746.22
1197+50	119750.00	50.00	56.2	16.5	0.9	0.00	108.11	30.56	1.60	0.00	4630.94	8.06	0.00	0.00	3882.57
1198+00	119800.00	50.00	52.5	16.5	1.2	0.00	100.64	30.56	1.96	0.00	4731.58	10.41	0.00	0.00	3987.71
1198+50	119850.00	50.00	48.2	16.5	2.3	0.00	93.17	30.56	3.24	0.00	4824.75	14.30	0.00	0.00	4061.37
1199+00	119900.00	50.00	26.2	9.0	2.0	0.00	68.82	23.61	3.99	0.00	4893.57	19.09	0.00	0.00	4133.61
1199+50	119950.00	50.00	24.4	9.0	2.2	0.00	46.86	16.67	3.88	0.00	4940.43	23.74	0.00	0.00	4205.45
1200+00	120000.00	50.00	22.6	9.0	2.3	0.00	43.51	16.67	4.16	0.00	4983.93	28.74	0.00	0.00	4252.61
Column totals							4983.93	1171.30	23.95	0.00					

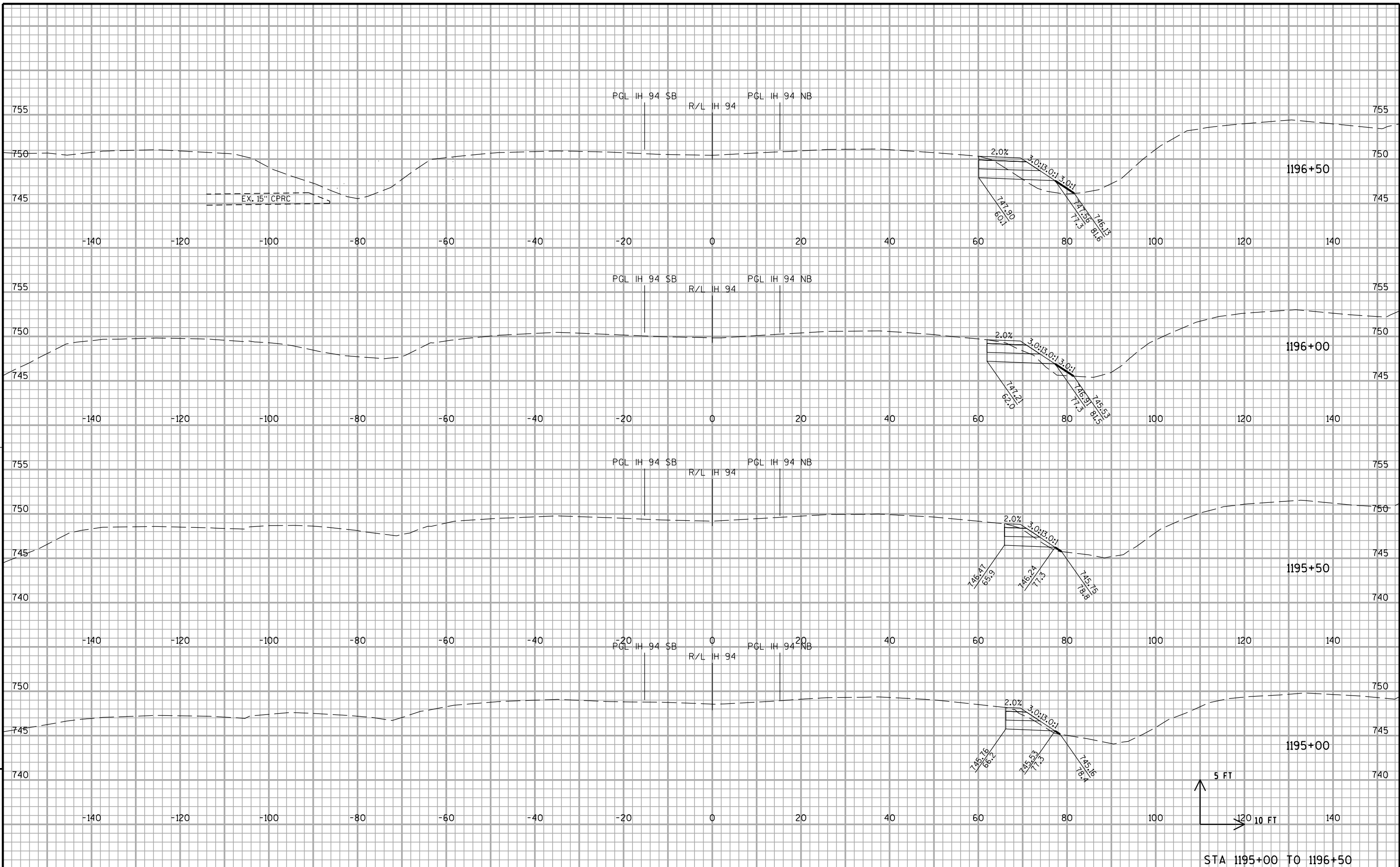
Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded Marsh Backfill	Will be backfilled with Granular Backfill (or Cut, or Borrow)
5 - Expanded EBS	Will be backfilled with Granular Backfill (or Cut, or Borrow)
6 - Reduced Marsh in Fill	Reduced Marsh Excavation that can be used in Fill
7 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
8 - Mass Ordinate	If Marsh and EBS to be backfilled with Granular: [(Cut) - ((Fill - Expanded Rock) * Fill Factor)]
8 - Mass Ordinate	If Marsh and EBS to be backfilled with Cut or Borrow: [(Cut) - ((Fill - Expanded Rock) * Fill Factor)]

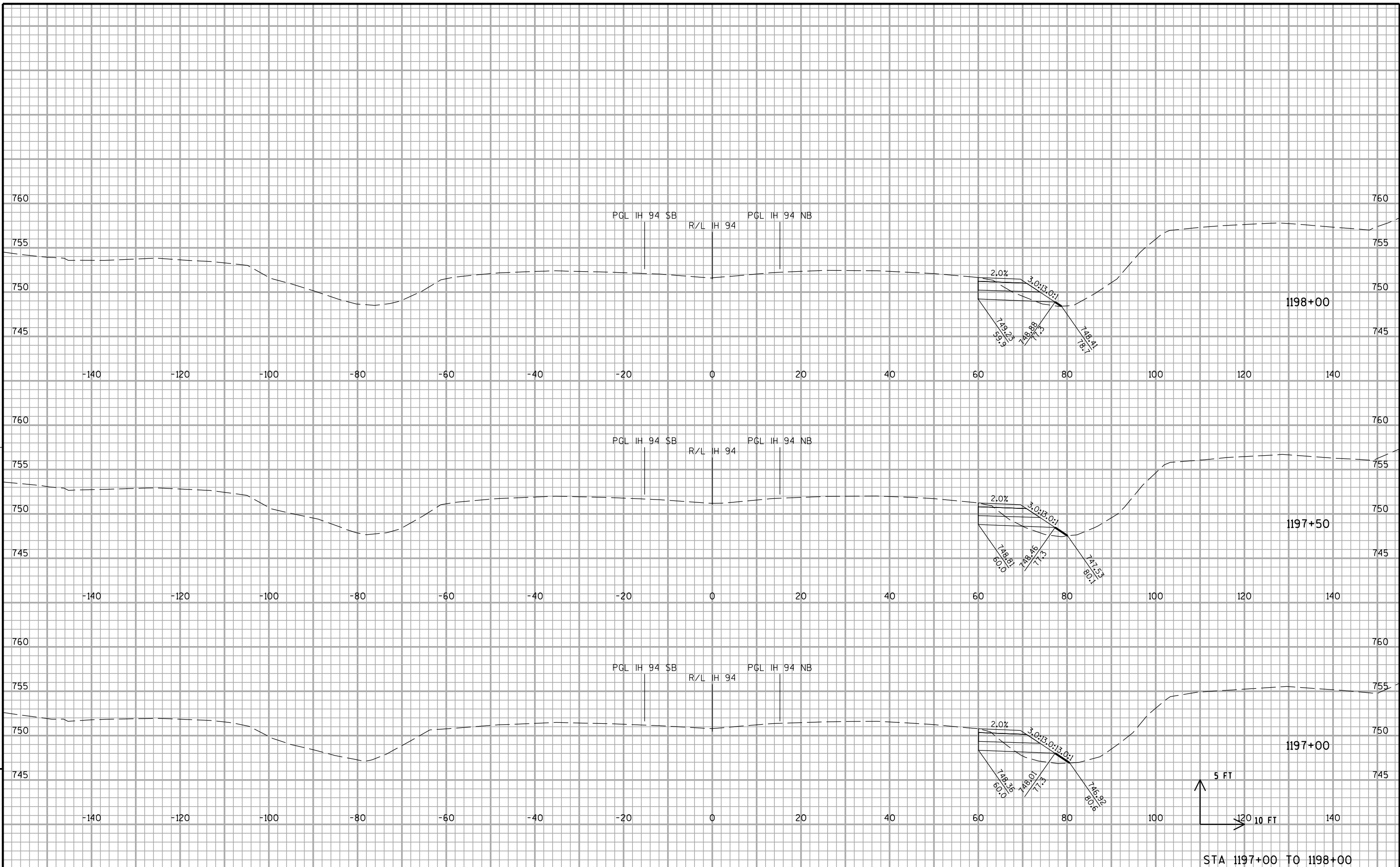
STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/Unusable Pavement Material	Fill	EBS	Cut	Salvaged/Unusable Pavement Material	Fill	EBS	Cut 1.00	Expanded Fill 1.2	Expanded EBS Backfill 1.30	Reduced EBS In Fill 0.80	
Note 1	Note 2	Note 3	Note 1	Note 5	Note 7	Note 8									
1188+00 AH	118800.00		111.2	0.0	0.0	0.00	0	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00
1188+50	118850.00	50.00	115.5	0.0	0.0	0.00	209.90	0.00	0.00	0.00	209.90	0.00	0.00	0.00	209.90
1189+00	118900.00	50.00	118.2	28.2	0.0	0.00	216.38	26.08	0.00	0.00	426.28	0.00	0.00	0.00	400.20
1189+50	118950.00	50.00	120.3	28.2	0.0	0.00	220.86	52.16	0.00	0.00	647.14	0.00	0.00	0.00	568.90
1190+00	119000.00	50.00	119.1	28.2	0.0	0.00	221.70	52.16	0.00	0.00	868.84	0.00	0.00	0.00	738.44
1190+50	119050.00	50.00	119.9	28.2	0.0	0.00	221.30	52.16	0.00	0.00	1090.14	0.00	0.00	0.00	907.58
1191+00	119100.00	50.00	129.5	28.2	0.0	0.00	230.97	52.16	0.00	0.00	1321.11	0.00	0.00	0.00	1086.39
1191+50	119150.00	50.00	121.6	28.2	0.0	0.00	232.59	52.16	0.00	0.00	1553.70	0.00	0.00	0.00	1266.82
1192+00	119200.00	50.00	118.1	28.2	0.0	0.00	222.02	52.16	0.00	0.00	1775.72	0.00	0.00	0.00	1436.68
1192+50	119250.00	50.00	115.9	28.2	0.0	0.00	216.67	52.16	0.00	0.00	1992.38	0.00	0.00	0.00	1601.18
1193+00	119300.00	50.00	111.5	28.2	0.0	0.00	210.49	52.16	0.00	0.00	2202.87	0.00	0.00	0.00	1763.60
1193+50	119350.00	50.00	109.6	28.2	0.0	0.00	204.68	52.16	0.00	0.00	2407.55	0.00	0.00	0.00	1926.01
1194+00	119400.00	50.00	108.7	28.2	0.0	0.00	202.09	52.16	0.00	0.00	2609.64	0.00	0.00	0.00	2078.53
1194+50	119450.00	50.00	100.8	28.2	0.0	0.00	193.98	52.16	0.00	0.00	2803.62	0.00	0.00	0.00	2231.04
1195+00	119500.00	50.00	95.8	28.2	0.0	0.00	182.04	52.16	0.00	0.00	2985.65	0.00	0.00	0.00	2380.98
1195+50	119550.00	50.00	90.3	28.2	0.0	0.00	172.27	52.16	0.00	0.00	3157.93	0.00	0.00	0.00	2522.79
1196+00	119600.00	50.00	89.4	28.2	0.0	0.00	166.34	52.16	0.00	0.00	3324.27	0.00	0.00	0.00	2652.67
1196+50	119650.00	50.00	58.5	18.2	0.0	0.00	136.89	42.90	0.00	0.00	3461.16	0.00	0.00	0.00	2782.04
1197+00	119700.00	50.00	55.3	18.2	0.0	0.00	105.38	33.64	0.00	0.00	3566.54	0.00	0.00	0.00	2914.74
1197+50	119750.00	50.00	55.4	18.2	0.0	0.00	102.53	33.64	0.00	0.00	3669.06	0.00	0.00	0.00	3017.99
1198+00	119800.00	50.00	50.0	18.2	0.0	0.00	97.62	33.64	0.00	0.00	3766.68	0.00	0.00	0.00	3089.72
1198+50	119850.00	50.00	23.4	8.2	0.0	0.00	67.95	24.38	0.00	0.00	3834.63	0.00	0.00	0.00	3167.87
1199+00	119900.00	50.00	22.5	8.2	0.0	0.00	42.50	15.12	0.00	0.00	3877.14	0.00	0.00	0.00	3250.36
1199+50	119950.00	50.00	21.9	8.2	0.0	0.00	41.12	15.12	0.00	0.00	3918.26	0.00	0.00	0.00	3303.19
1200+00	120000.00	50.00	22.0	8.2	0.0	0.00	40.65	15.12	0.00	0.00	3958.91	0.00	0.00	0.00	3330.57
1200+50	120050.00	50.00	19.9	8.2	0.0	0.00	38.84	15.12	0.00	0.00	3997.74	0.00	0.00	0.00	3356.57
1201+00	120100.00	50.00	15.8	8.2	0.0	0.00	33.07	15.12	0.00	0.00	4030.81	0.00	0.00	0.00	3382.09
1201+50	120150.00	50.00	15.1	8.2	0.0	0.00	28.65	15.12	0.00	0.00	4059.46	0.00	0.00	0.00	3405.80
Column totals							4059.46	1015.28	0.00	0.00					

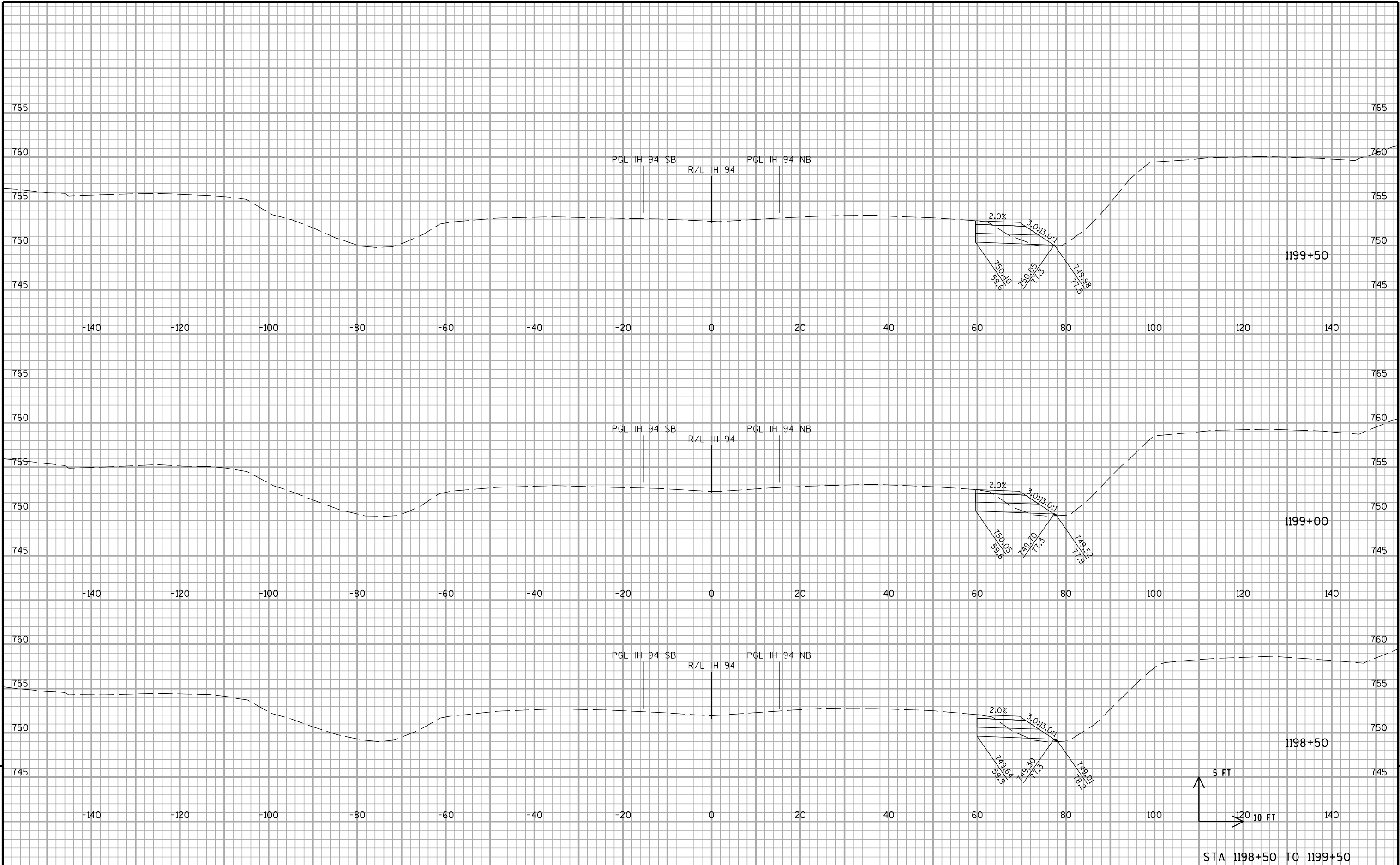
Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded Marsh Backfill	Will be backfilled with Granular Backfill (or Cut, or Borrow)
5 - Expanded EBS	Will be backfilled with Granular Backfill (or Cut, or Borrow)
6 - Reduced Marsh in Fill	Reduced Marsh Excavation that can be used in Fill
7 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
8 - Mass Ordinate	If Marsh and EBS to be backfilled with Granular: [(Cut) - ((Fill - Expanded Rock) * Fill Factor)]
8 - Mass Ordinate	If Marsh and EBS to be backfilled with Cut or Borrow: [(Cut) - ((Fill - Expanded Rock) * Fill Factor)]

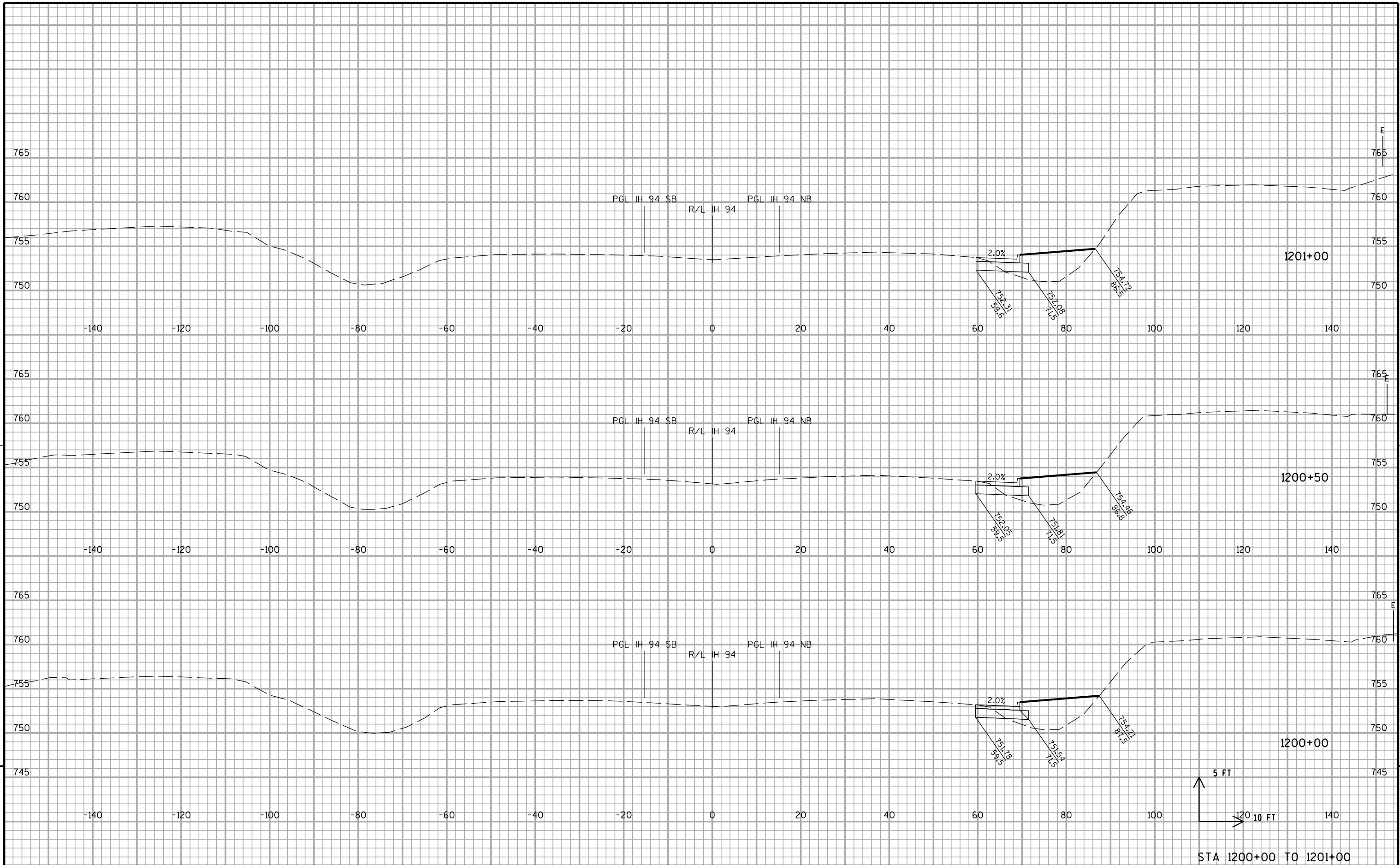
STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate		
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/Unusable Pavement Material	Fill	EBS	Cut 1.00	Expanded Fill 1.2	Expanded EBS Backfill 1.30 Note 5	Reduced EBS In Fill 0.80 Note 7			
Note 1	Note 2	Note 3	Note 1	Note 2	Note 3	Note 1	Note 2	Note 3	Note 1	Note 2	Note 3	Note 1	Note 2	Note 3	Note 8		
1188+00	AH	518450.00	111.7	0.0	73.4	0.00	0	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1188+50		518500.00	50.00	116.4	0.0	69.6	0.00	211.22	0.00	132.39	0.00	211.22	158.87	0.00	0.00	0.00	52.36
1189+00		518550.00	50.00	99.9	15.2	63.2	0.00	200.31	14.08	122.94	0.00	411.53	306.40	0.00	0.00	0.00	91.05
1189+50		518600.00	50.00	103.9	15.2	62.6	0.00	188.72	28.16	116.49	0.00	600.25	446.19	0.00	0.00	0.00	111.82
1190+00		518650.00	50.00	100.2	15.2	62.9	0.00	188.95	28.16	116.23	0.00	789.21	585.67	0.00	0.00	0.00	133.13
1190+50		518700.00	50.00	103.6	15.2	57.9	0.00	188.72	28.16	111.88	0.00	977.93	719.92	0.00	0.00	0.00	159.44
1191+00		518750.00	50.00	101.1	15.2	58.7	0.00	189.53	28.16	107.91	0.00	1167.46	849.42	0.00	0.00	0.00	191.31
1191+50		518800.00	50.00	100.1	15.2	60.6	0.00	186.27	28.16	110.42	0.00	1353.73	981.92	0.00	0.00	0.00	216.91
1192+00		518850.00	50.00	98.3	15.2	62.2	0.00	183.75	28.16	113.70	0.00	1537.48	1118.36	0.00	0.00	0.00	236.06
1192+50		518900.00	50.00	95.0	15.2	62.6	0.00	179.04	28.16	115.59	0.00	1716.52	1257.07	0.00	0.00	0.00	248.22
1193+00		518950.00	50.00	91.9	15.2	63.9	0.00	173.11	28.16	117.12	0.00	1889.62	1397.61	0.00	0.00	0.00	255.48
1193+50		519000.00	50.00	81.6	15.2	65.4	0.00	160.67	28.16	119.72	0.00	2050.30	1541.28	0.00	0.00	0.00	259.61
1194+00		519050.00	50.00	70.9	15.2	66.6	0.00	141.16	28.16	122.30	0.00	2191.46	1688.04	0.00	0.00	0.00	245.36
1194+50		519100.00	50.00	65.3	15.2	64.6	0.00	126.12	28.16	121.54	0.00	2317.58	1833.89	0.00	0.00	0.00	232.03
1195+00		519150.00	50.00	58.1	15.2	61.4	0.00	114.27	28.16	116.69	0.00	2431.85	1973.91	0.00	0.00	0.00	205.00
1195+50		519200.00	50.00	50.2	15.2	59.3	0.00	100.22	28.16	111.79	0.00	2532.07	2108.06	0.00	0.00	0.00	168.81
1196+00		519250.00	50.00	44.4	15.2	54.9	0.00	87.53	28.16	105.79	0.00	2619.60	2235.01	0.00	0.00	0.00	127.97
1196+50		519300.00	50.00	70.4	25.2	49.6	0.00	106.29	37.42	96.76	0.00	2725.89	2351.13	0.00	0.00	0.00	74.65
1197+00		519350.00	50.00	66.4	25.2	38.6	0.00	126.72	46.68	81.62	0.00	2852.61	2449.06	0.00	0.00	0.00	17.56
1197+50		519400.00	50.00	62.2	25.2	30.1	0.00	119.13	46.68	63.60	0.00	2971.75	2525.39	0.00	0.00	0.00	0.84
1198+00		519450.00	50.00	58.6	25.2	27.4	0.00	111.91	46.68	53.26	0.00	3083.66	2589.30	0.00	0.00	0.00	16.97
1198+50		519500.00	50.00	72.7	25.2	26.4	0.00	121.65	46.68	49.79	0.00	3205.31	2649.05	0.00	0.00	0.00	29.67
1199+00		519550.00	50.00	68.6	35.2	26.9	0.00	130.85	55.94	49.33	0.00	3336.16	2708.24	0.00	0.00	0.00	26.45
1199+50		519600.00	50.00	58.9	35.2	29.7	0.00	118.02	65.20	52.46	0.00	3454.18	2771.20	0.00	0.00	0.00	19.94
1200+00		519650.00	50.00	58.2	35.2	34.9	0.00	108.46	65.20	59.82	0.00	3562.64	2842.98	0.00	0.00	0.00	13.81
1200+50		519700.00	50.00	52.8	35.2	38.4	0.00	102.84	65.20	67.87	0.00	3665.48	2924.42	0.00	0.00	0.00	-14.81
1201+00		519750.00	50.00	46.9	35.2	45.5	0.00	92.32	65.20	77.75	0.00	3757.80	3017.72	0.00	0.00	0.00	-64.85
1201+50		519800.00	50.00	58.5	35.2	27.1	0.00	97.61	65.20	67.30	0.00	3855.40	3098.48	0.00	0.00	0.00	-107.97
1202+00		519850.00	50.00	54.2	43.4	28.4	0.00	104.42	72.76	51.38	0.00	3959.82	3160.14	0.00	0.00	0.00	-150.07
1202+50		519900.00	50.00	46.4	43.4	31.6	0.00	93.19	80.32	55.54	0.00	4053.01	3226.79	0.00	0.00	0.00	-199.44
1203+00		519950.00	50.00	14.3	43.4	42.0	0.00	56.23	80.32	68.22	0.00	4109.24	3308.66	0.00	0.00	0.00	-257.22
1203+50		520000.00	50.00	14.7	43.4	42.0	0.00	26.89	80.32	77.80	0.00	4136.13	3402.02	0.00	0.00	0.00	-337.72
1204+00		520050.00	50.00	13.8	43.4	45.2	0.00	26.45	80.32	80.71	0.00	4162.58	3498.87	0.00	0.00	0.00	-458.66
1204+50		520100.00	50.00	14.4	43.4	47.8	0.00	26.19	80.32	86.14	0.00	4188.77	3602.23	0.00	0.00	0.00	-615.46
1205+00		520150.00	50.00	14.0	43.4	52.5	0.00	26.36	80.32	92.88	0.00	4215.12	3713.69	0.00	0.00	0.00	-780.78
1205+50		520200.00	50.00	12.9	43.4	57.7	0.00	24.98	80.32	101.96	0.00	4240.11	3836.04	0.00	0.00	0.00	-957.27
1206+00		520250.00	50.00	12.3	43.4	59.3	0.00	23.39	80.32	108.31	0.00	4263.50	3966.01	0.00	0.00	0.00	-1141.21
1206+50		520300.00	50.00	8.4	43.4	66.6	0.00	19.16	80.32	116.62	0.00	4282.66	4105.96	0.00	0.00	0.00	-1336.50
1207+00		520350.00	50.00	10.1	43.4	68.0	0.00	17.06	80.32	124.66	0.00	4299.72	4255.54	0.00	0.00	0.00	-1543.01
1207+50		520400.00	50.00	10.3	43.4	70.3	0.00	18.88	80.32	128.05	0.00	4318.60	4409.20	0.00	0.00	0.00	-1757.84
1208+00		520450.00	50.00	12.7	43.4	68.3	0.00	21.33	80.32	128.30	0.00	4339.93	4563.16	0.00	0.00	0.00	-1975.06
1208+50		520500.00	50.00	13.0	43.4	68.5	0.00	23.83	80.32	126.63	0.00	4363.75	4715.12	0.00	0.00	0.00	-2188.46
1209+00		520550.00	50.00	14.6	43.4	65.4	0.00	25.62	80.32	123.94	0.00	4389.37	4863.84	0.00	0.00	0.00	-2396.19
1209+50		520600.00	50.00	19.8	43.4	90.5	0.00	31.86	80.32	144.34	0.00	4421.24	5037.06	0.00	0.00	0.00	-2625.90
1210+00		520650.00	50.00	64.0	43.4	73.2	0.00	77.58	80.32	151.65	0.00	4498.82	5219.04	0.00	0.00	0.00	-2862.58
1210+50		520700.00	50.00	66.3	43.4	68.7	0.00	120.66	80.32	131.46	0.00	4619.48	5376.79	0.00	0.00	0.00	-3068.79
1211+00		520750.00	50.00	74.2	43.4	66.1	0.00	130.11	80.32	124.88	0.00	4749.59	5526.65	0.00	0.00	0.00	-3221.40
1211+50		520800.00	50.00	76.9	43.4	58.0	0.00	139.96	80.32	114.98	0.00	4889.54	5664.62	0.00	0.00	0.00	-3319.03
1212+00		520850.00	50.00	73.1	43.4	57.8	0.00	138.88	80.32	107.21	0.00	5028.42	5793.27	0.00	0.00	0.00	-3397.90
1212+50		520900.00	50.00	88.9	43.4	47.1	0.00	149.99	80.32	97.05	0.00	5178.42	5909.73	0.00	0.00	0.00	-3454.73
1213+00		520950.00	50.00	94.8	43.4	41.5	0.00	170.15	80.32	81.96	0.00	5348.57	6008.08	0.00	0.00	0.00	-3494.52
Column totals							5348.57	2854.36	5006.73	0.00							

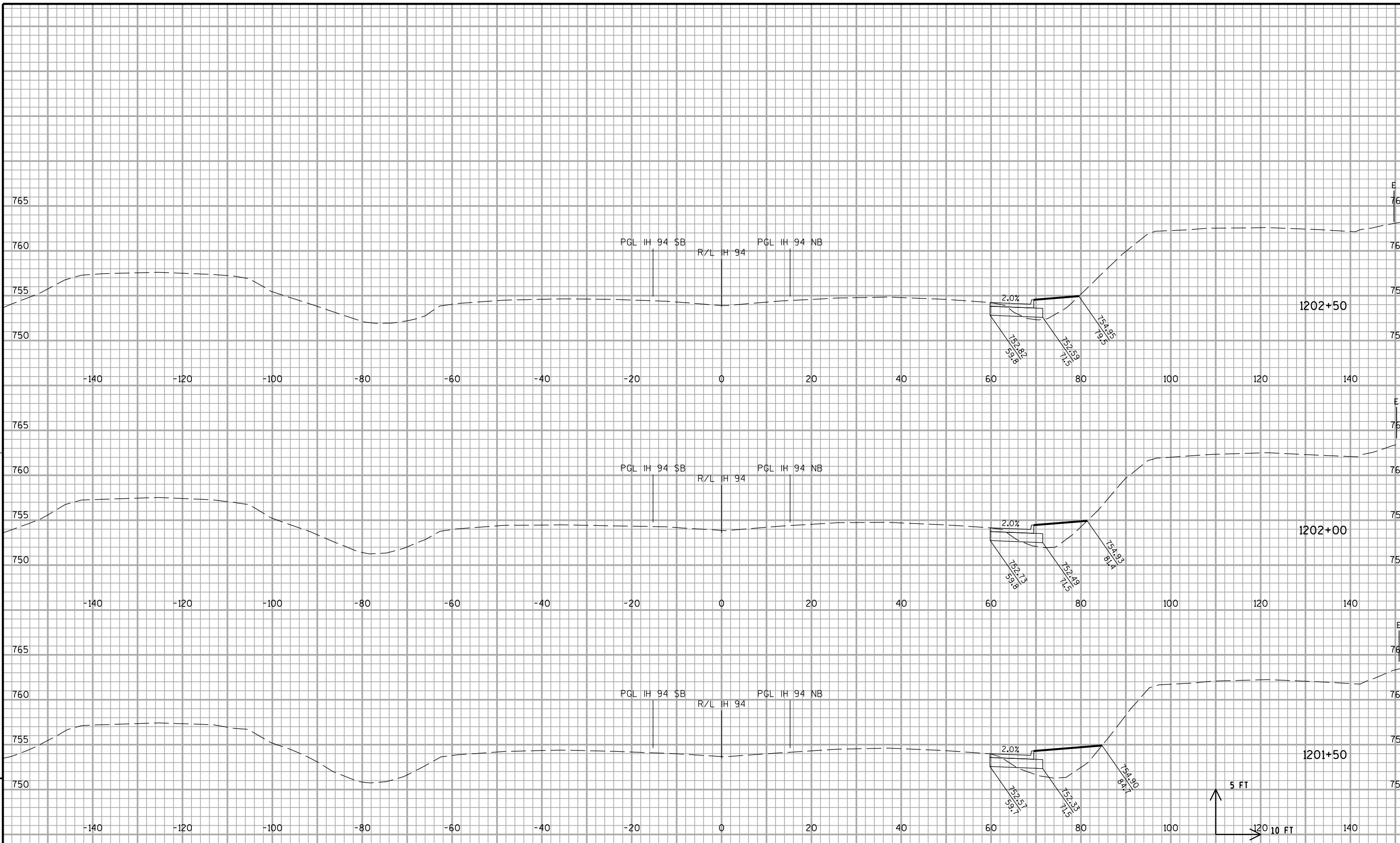
Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded Marsh Backfill	Will be backfilled with Granular Backfill (or Cut, or Borrow)
5 - Expanded EBS	Will be backfilled with Granular Backfill (or Cut, or Borrow)
6 - Reduced Marsh in Fill	Reduced Marsh Excavation that can be used in Fill
7 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
8 - Mass Ordinate	If Marsh and EBS to be backfilled with Granular: [(Cut) - ((Fill - Expanded Rock) * Fill Factor)]
8 - Mass Ordinate	If Marsh and EBS to be backfilled with Cut or Borrow: [(Cut) - ((Fill - Expanded Rock) * Fill Factor)]

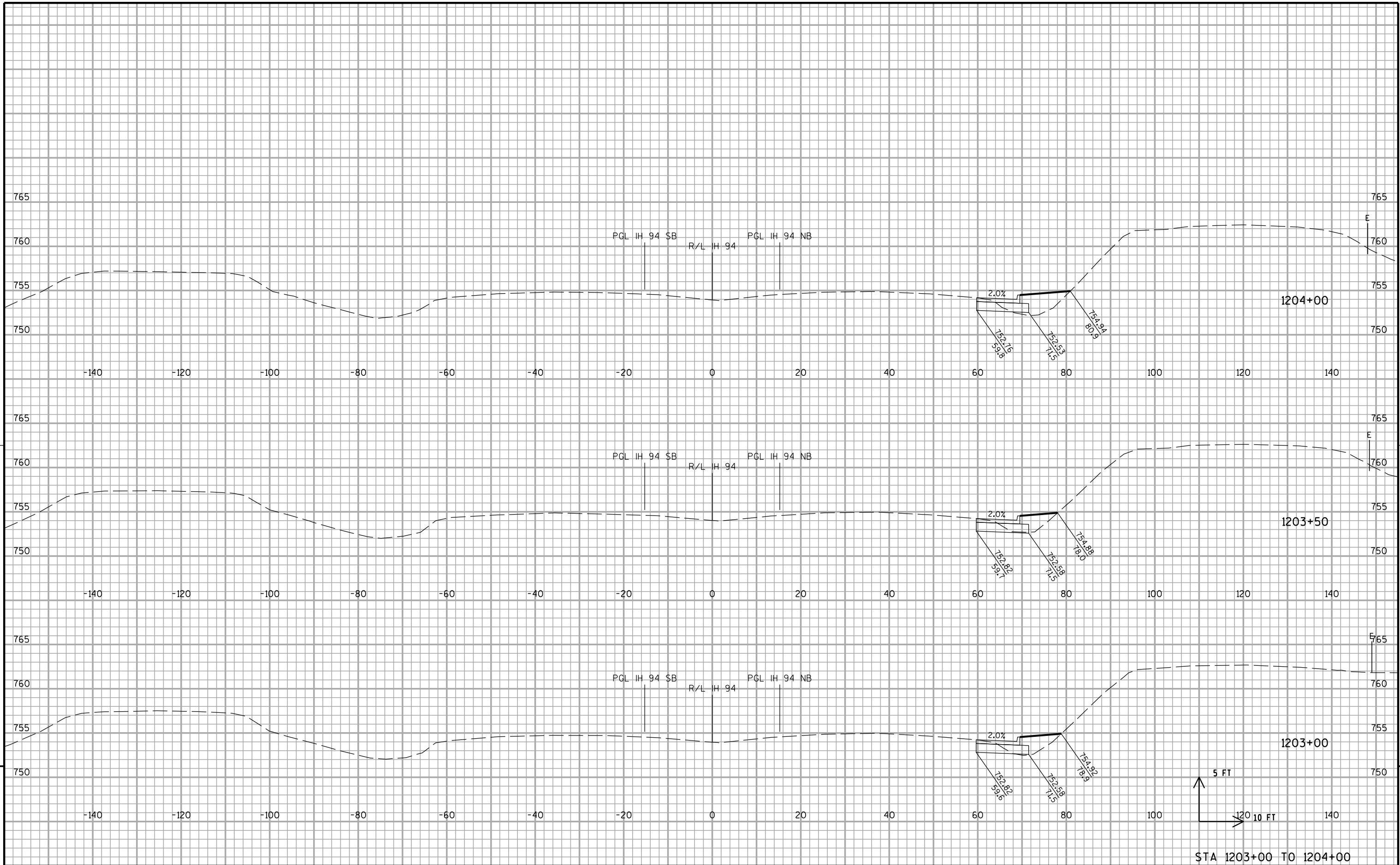


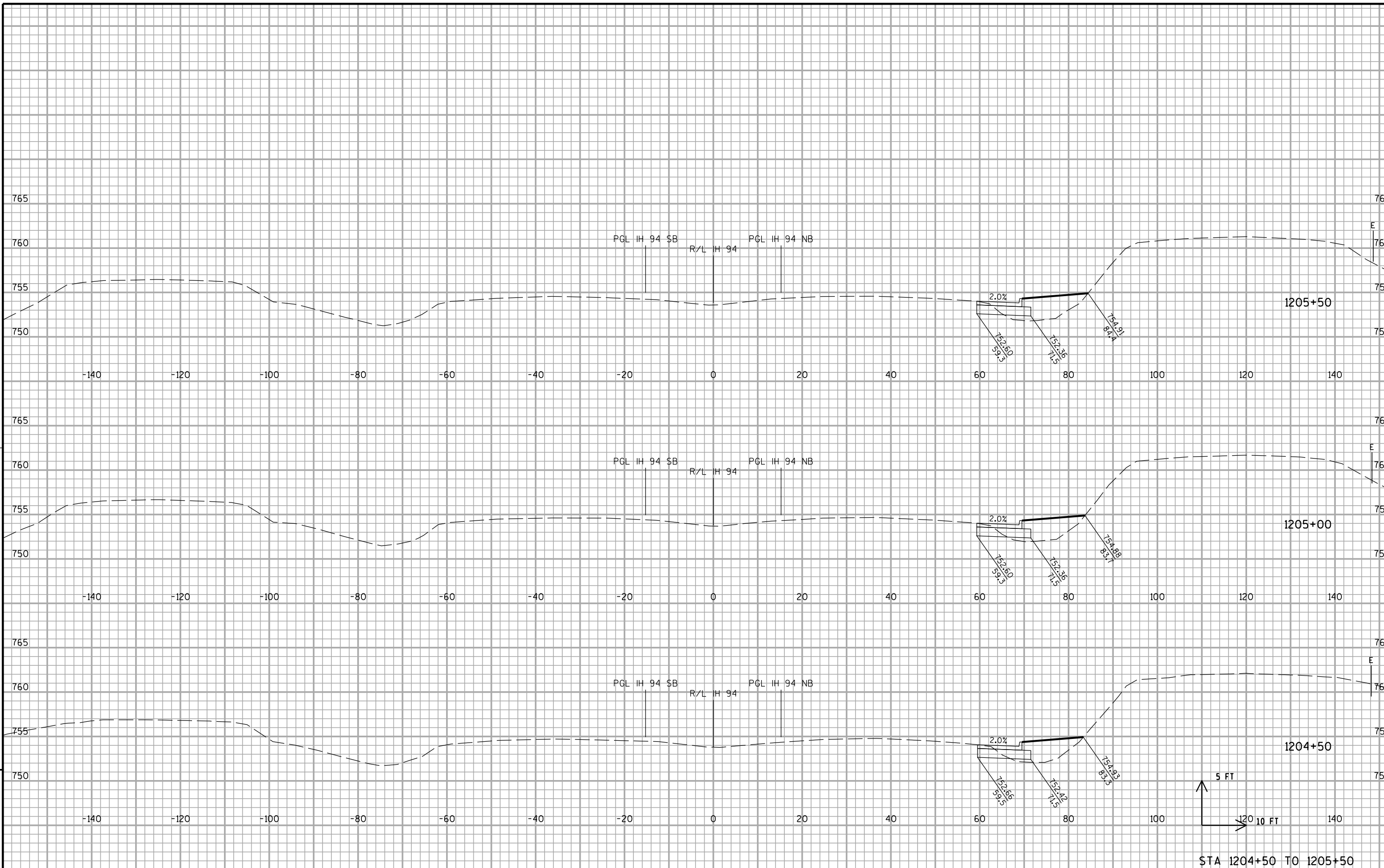


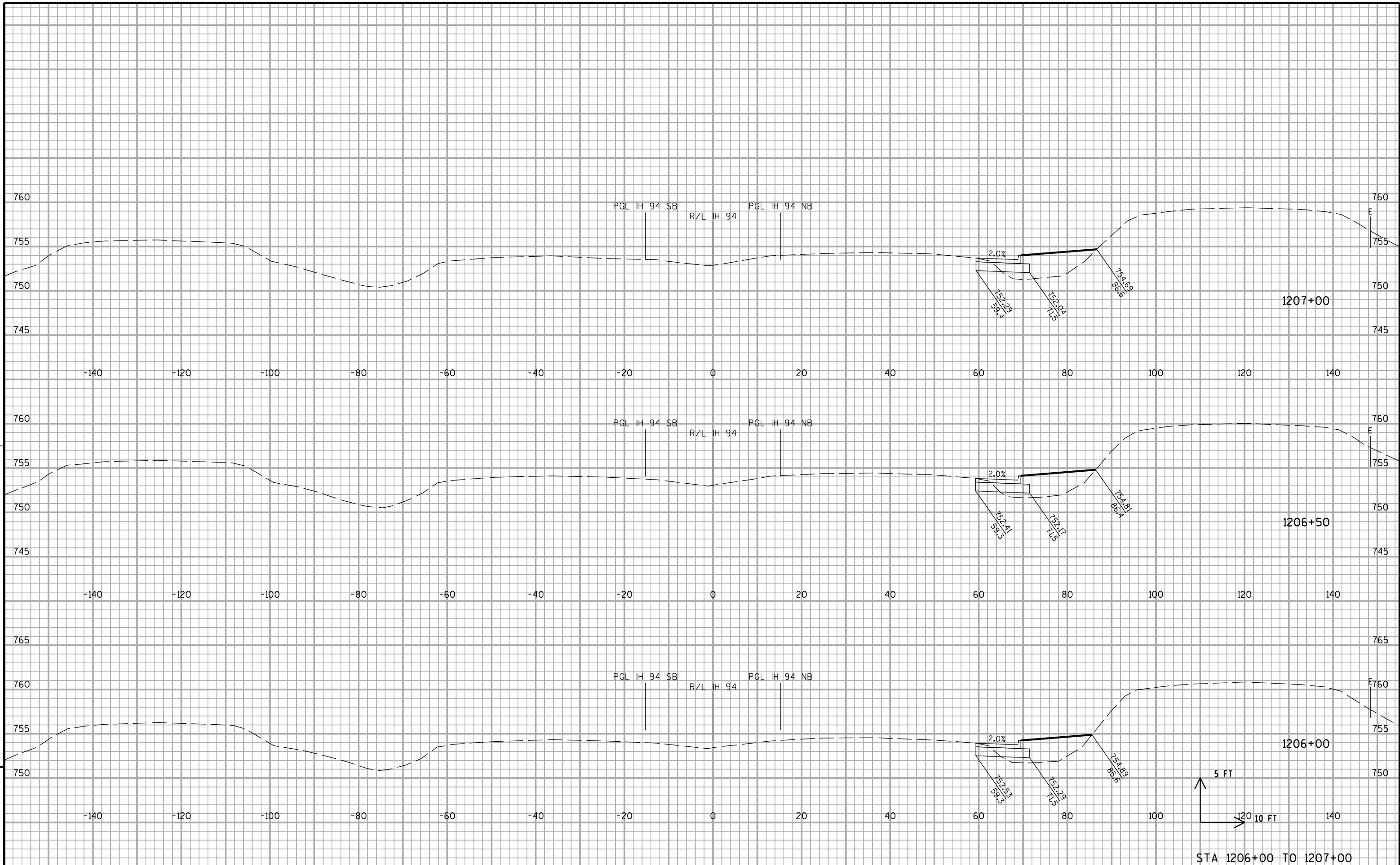


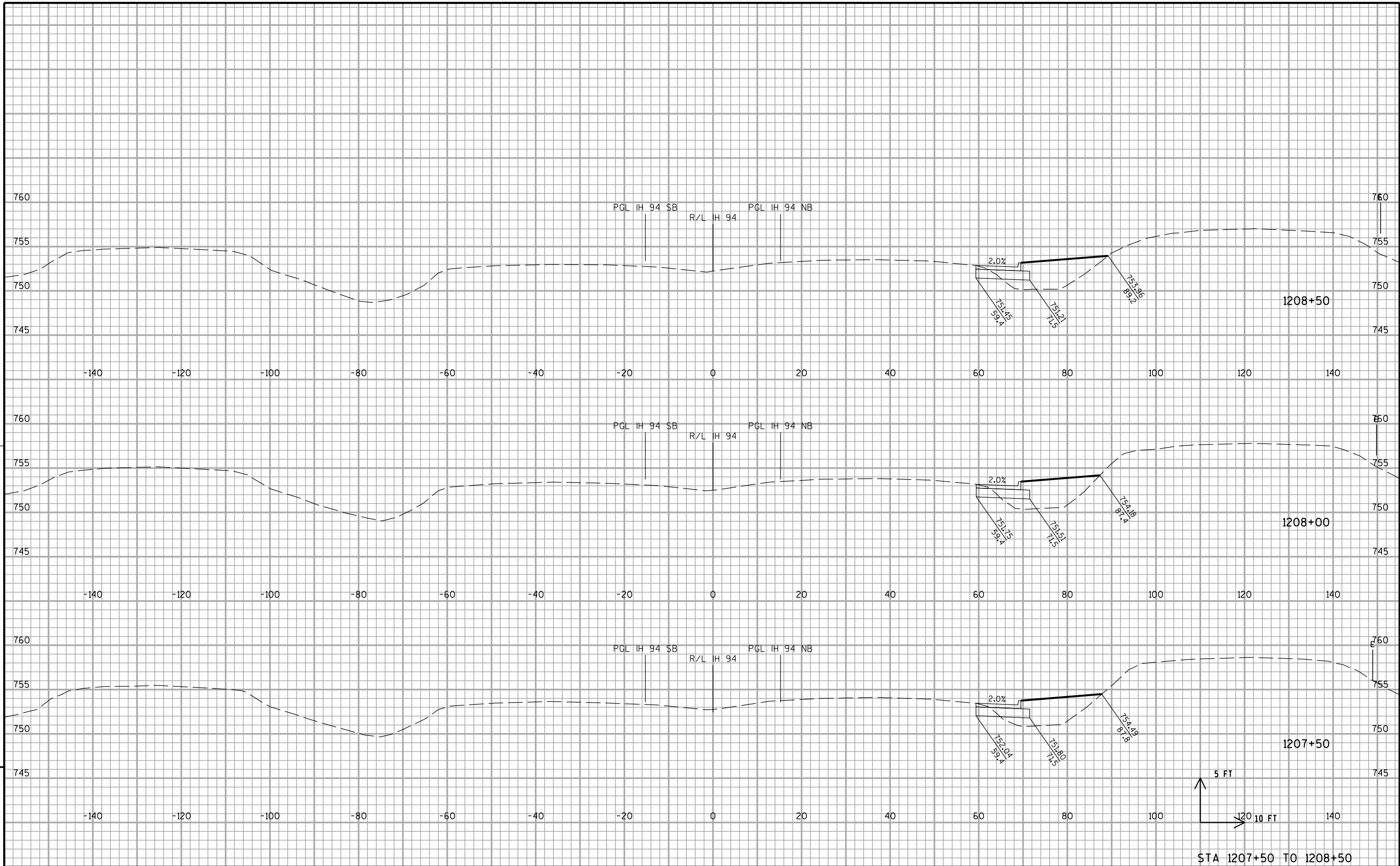


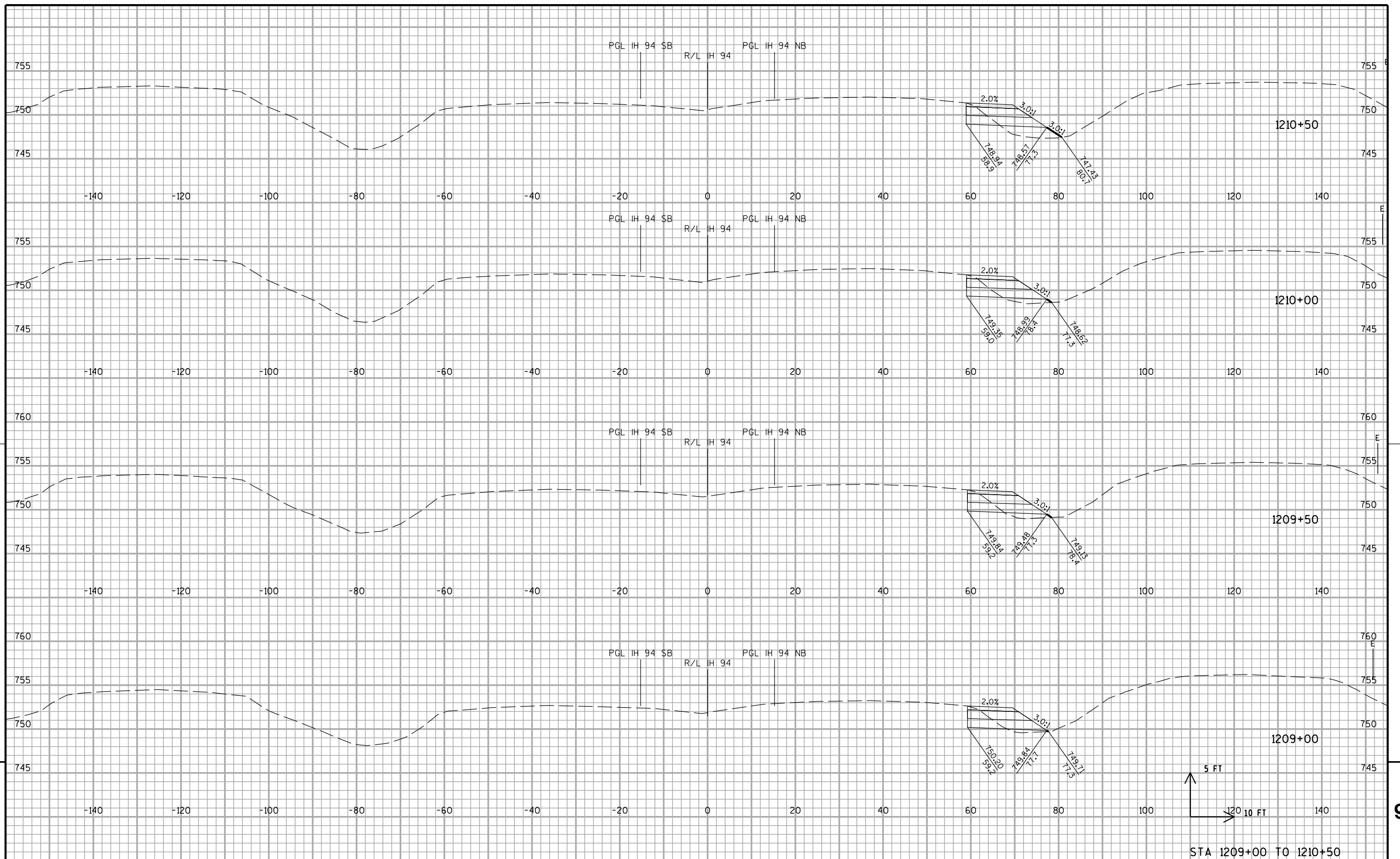


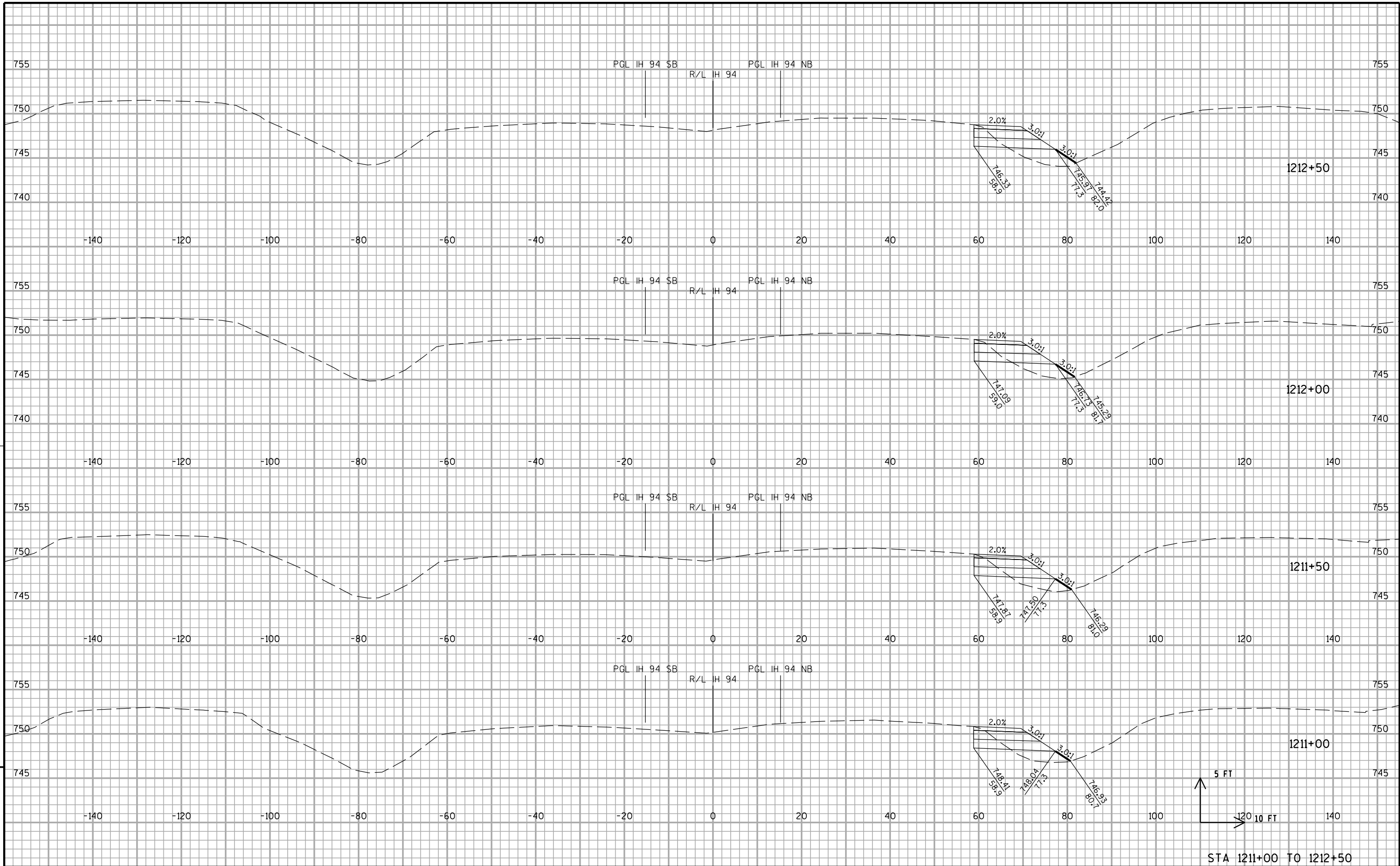


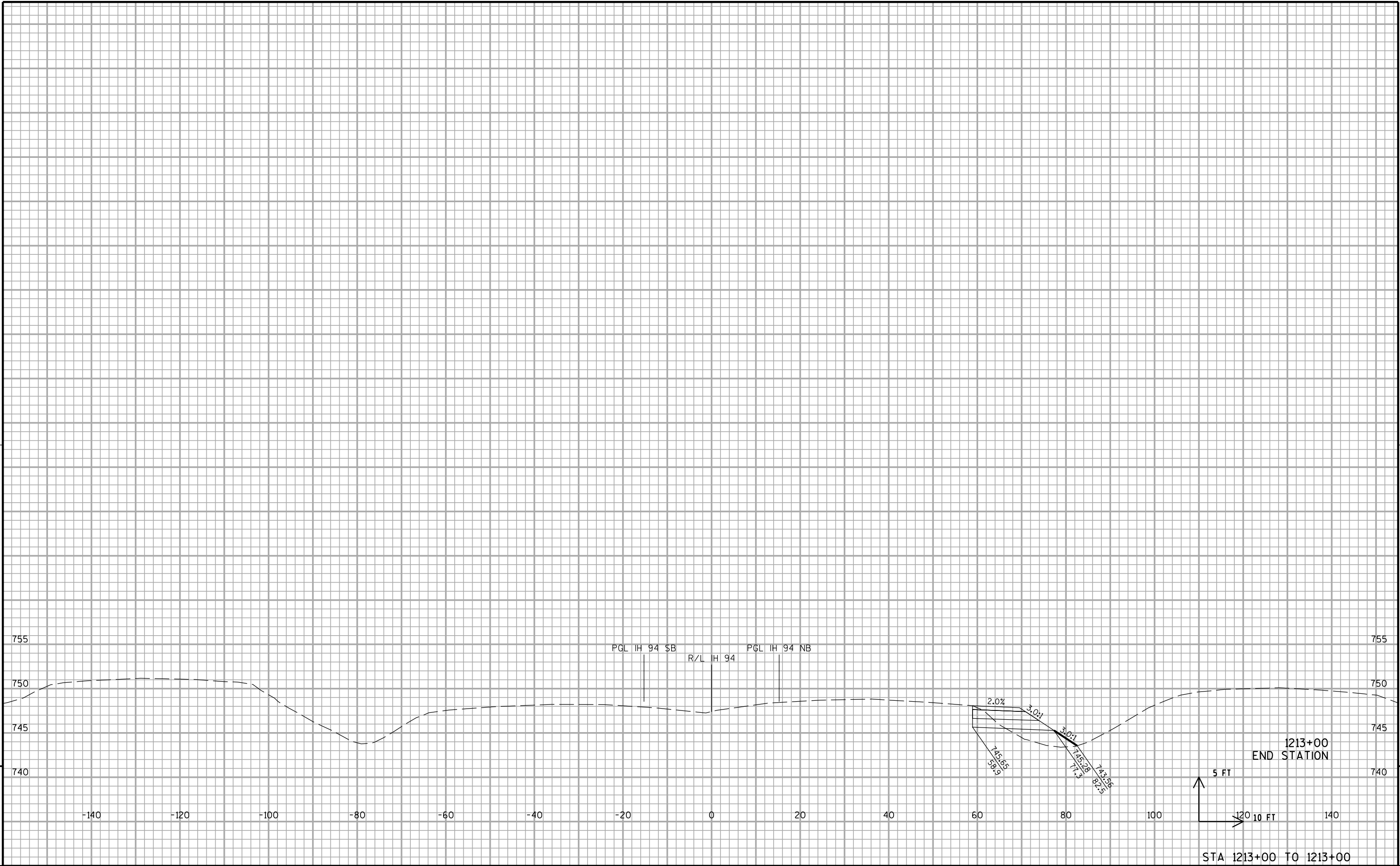


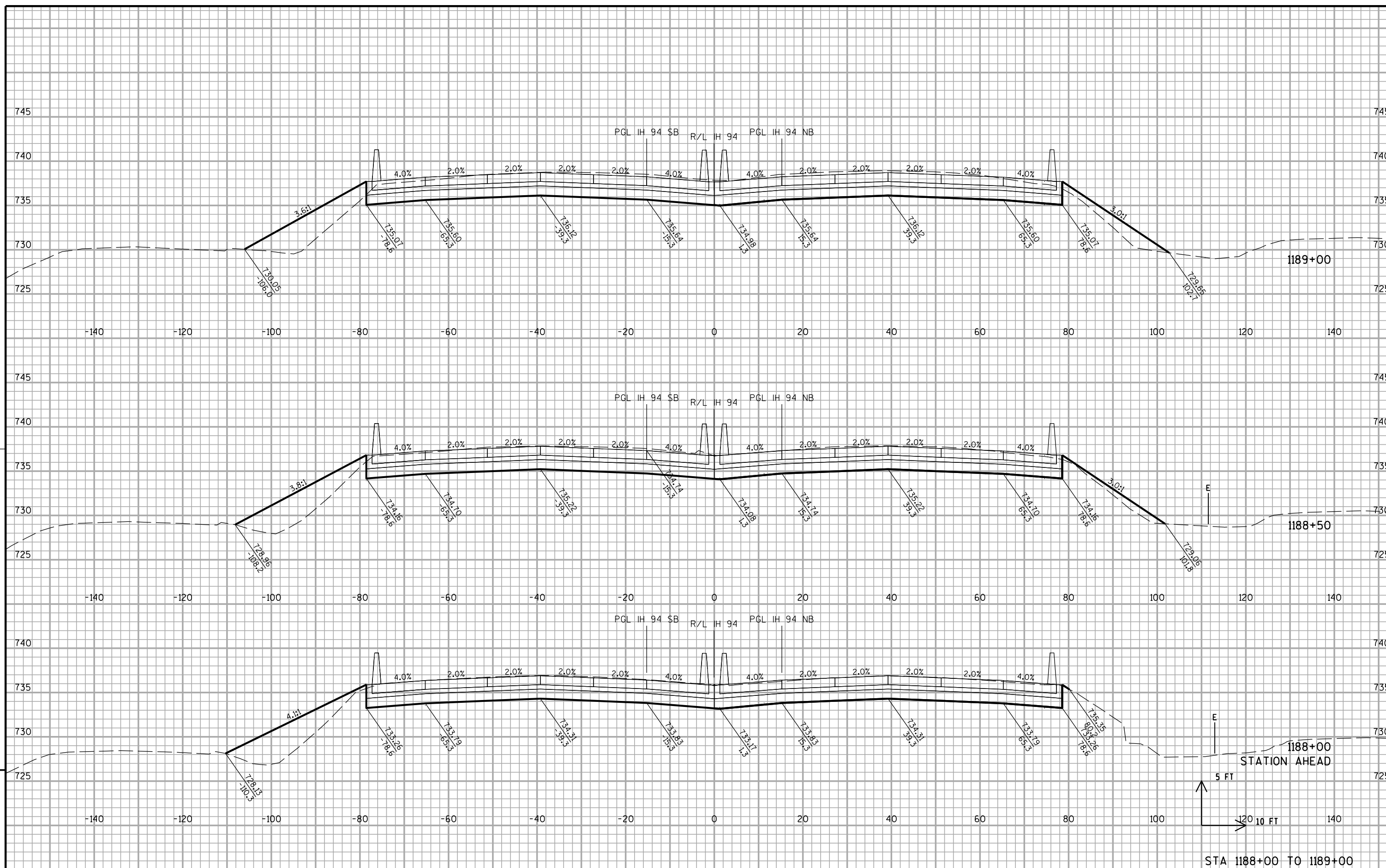


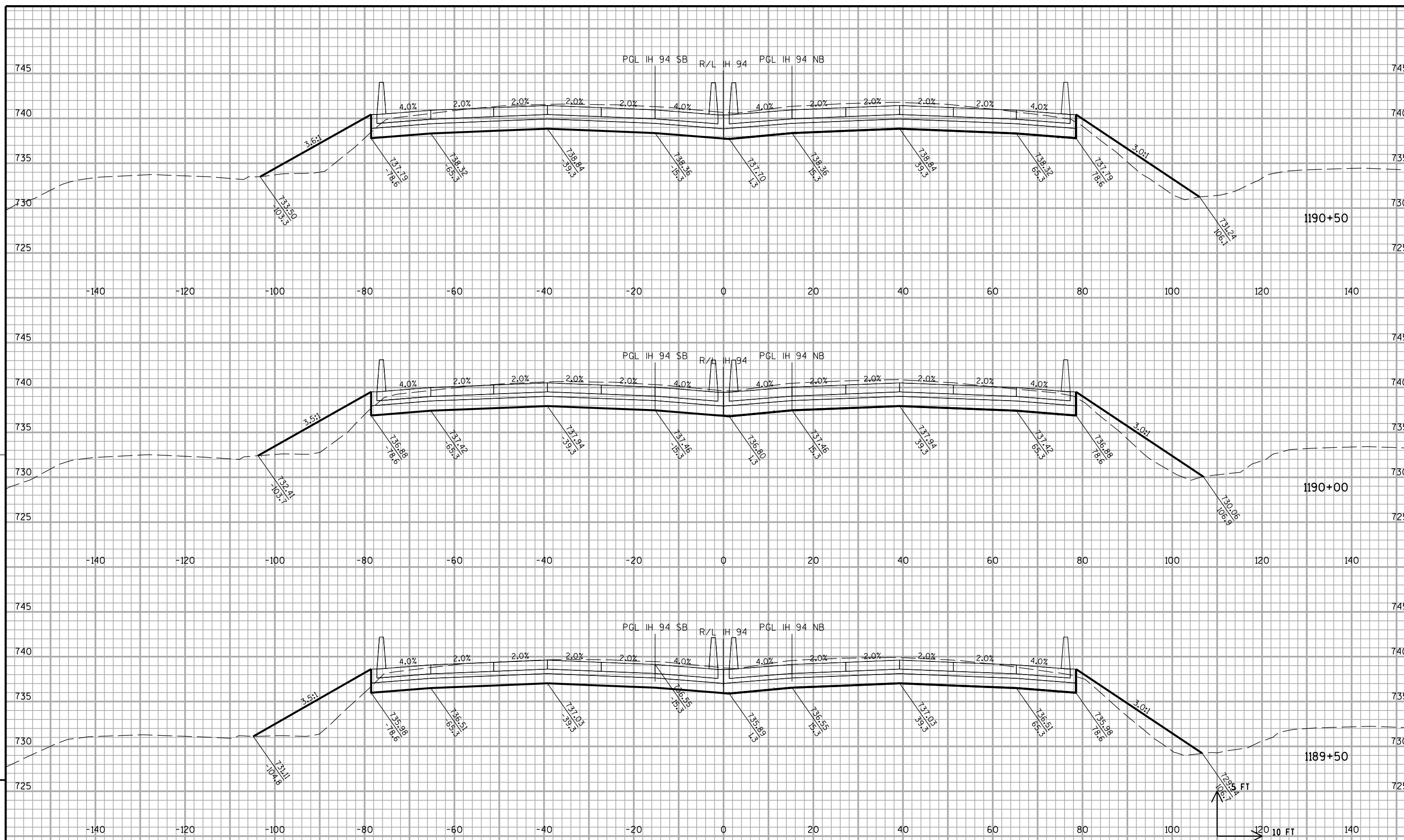












9

1189+50

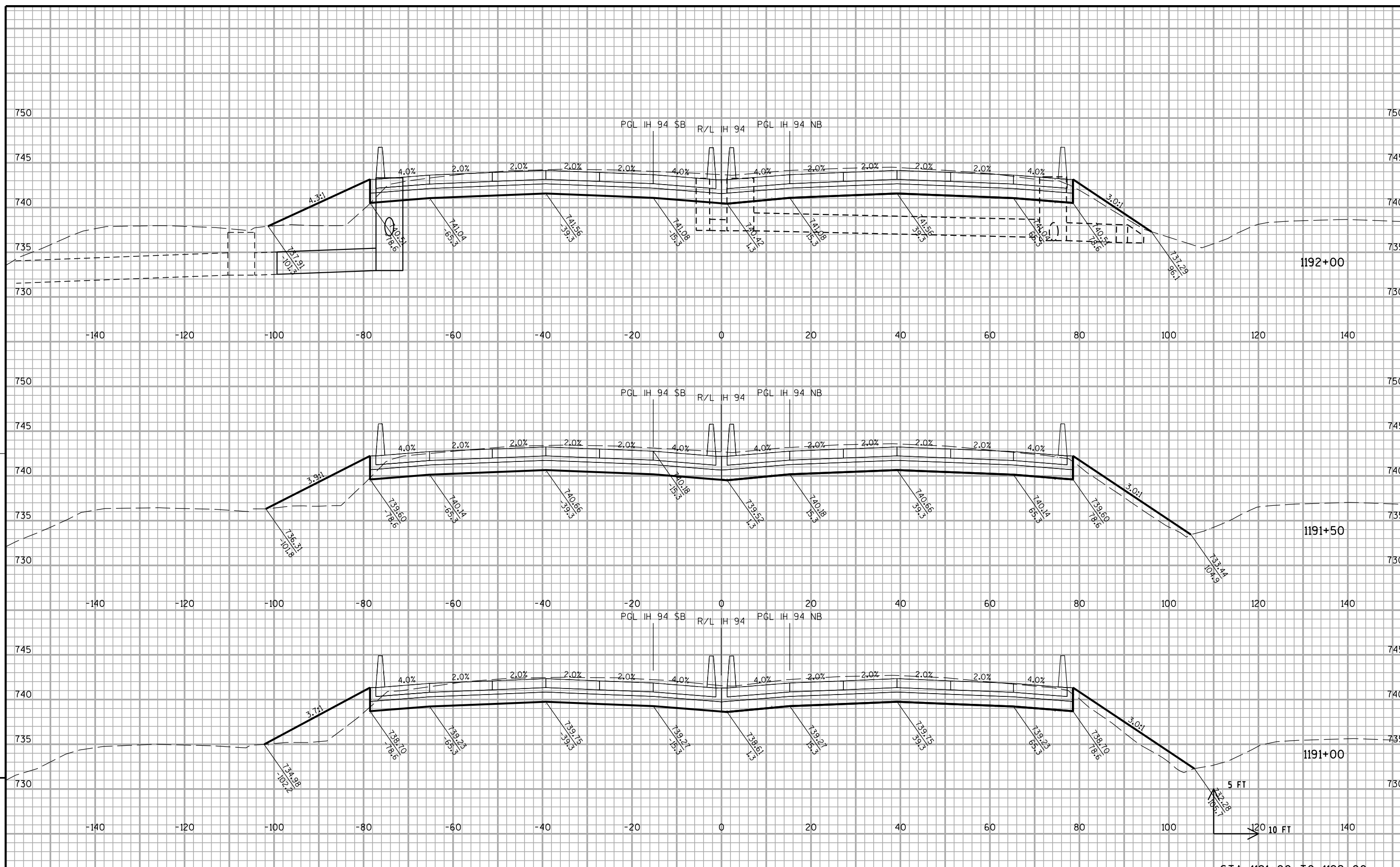
1190+00

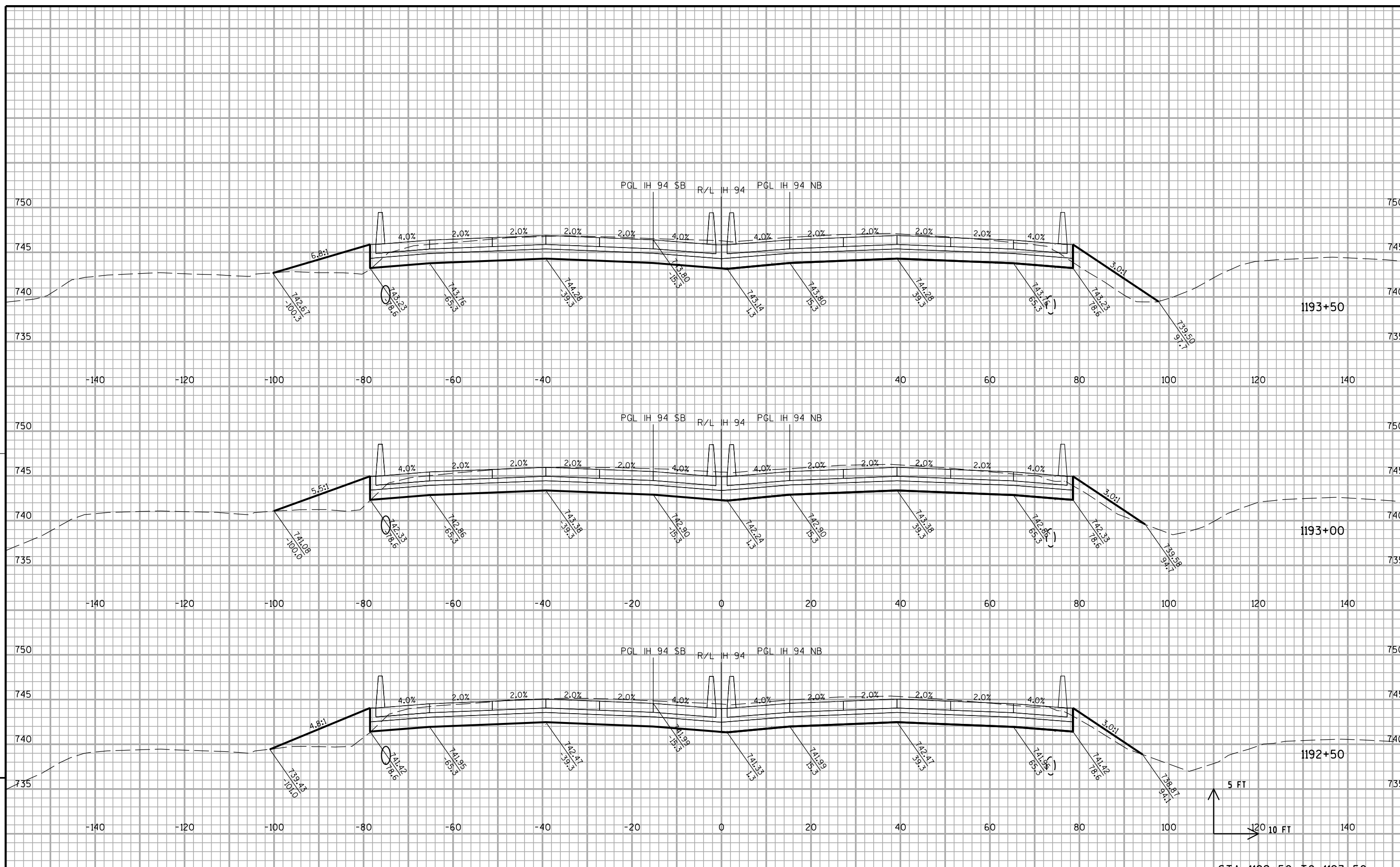
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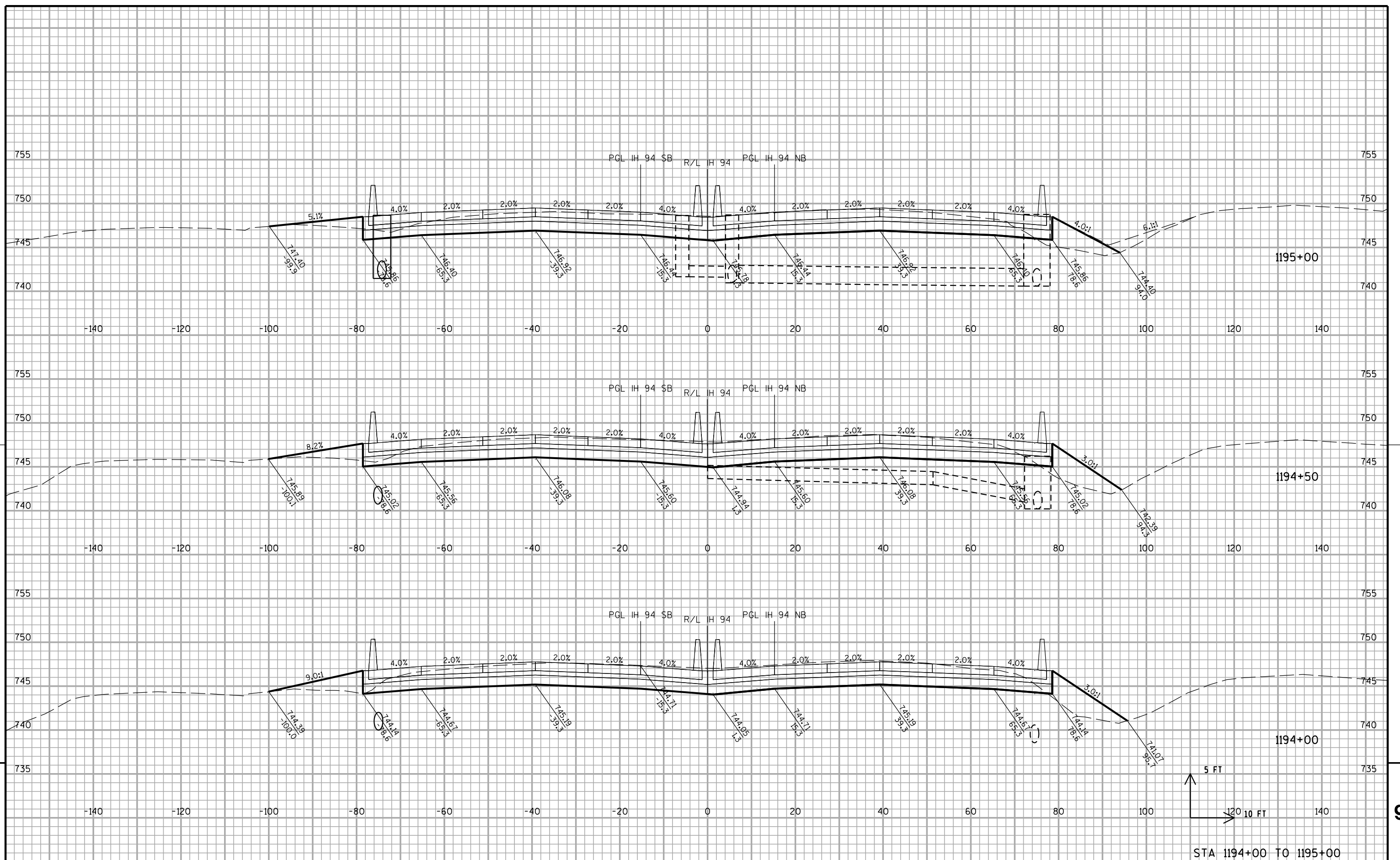
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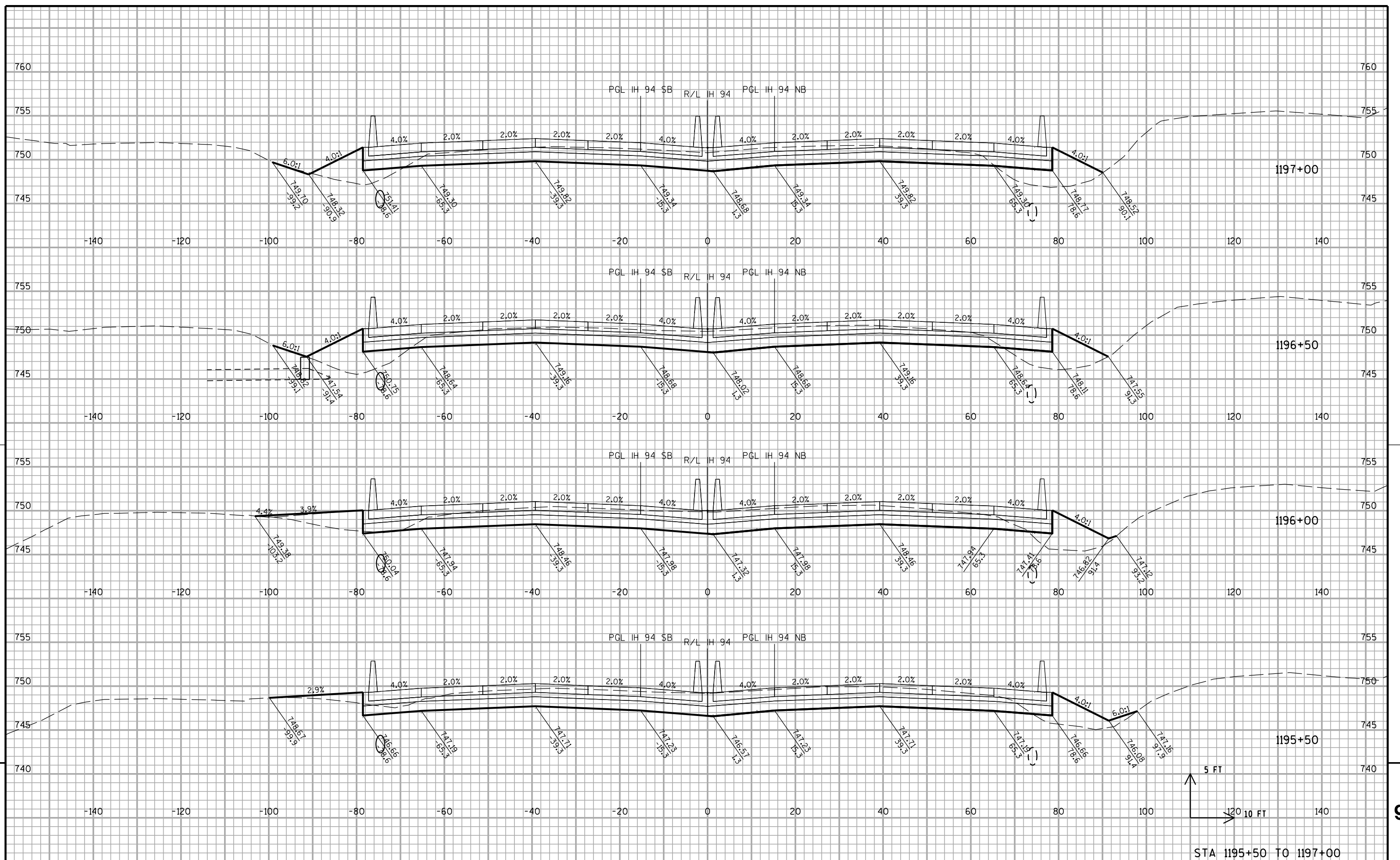
STA 1189+50 TO 1190+50

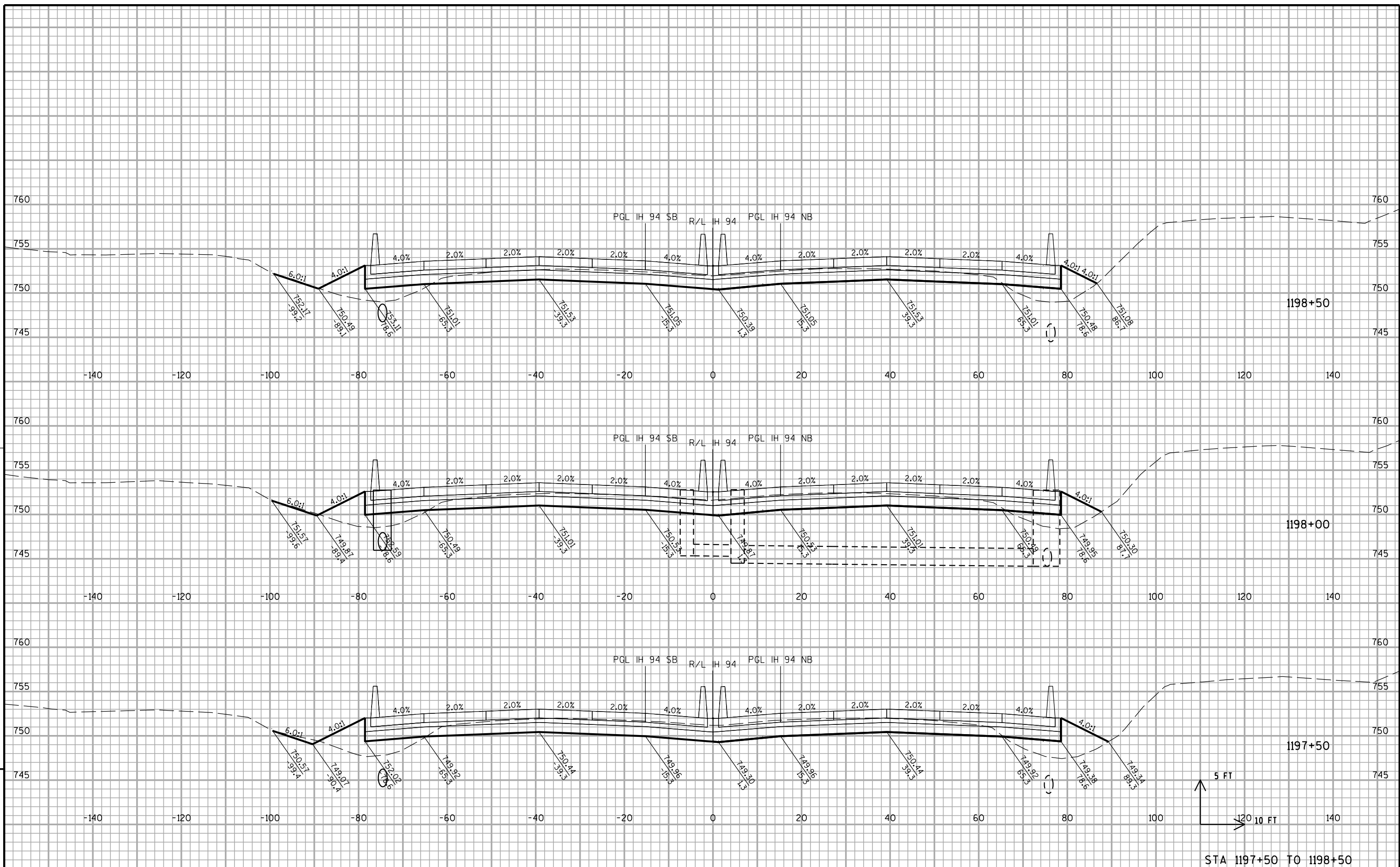
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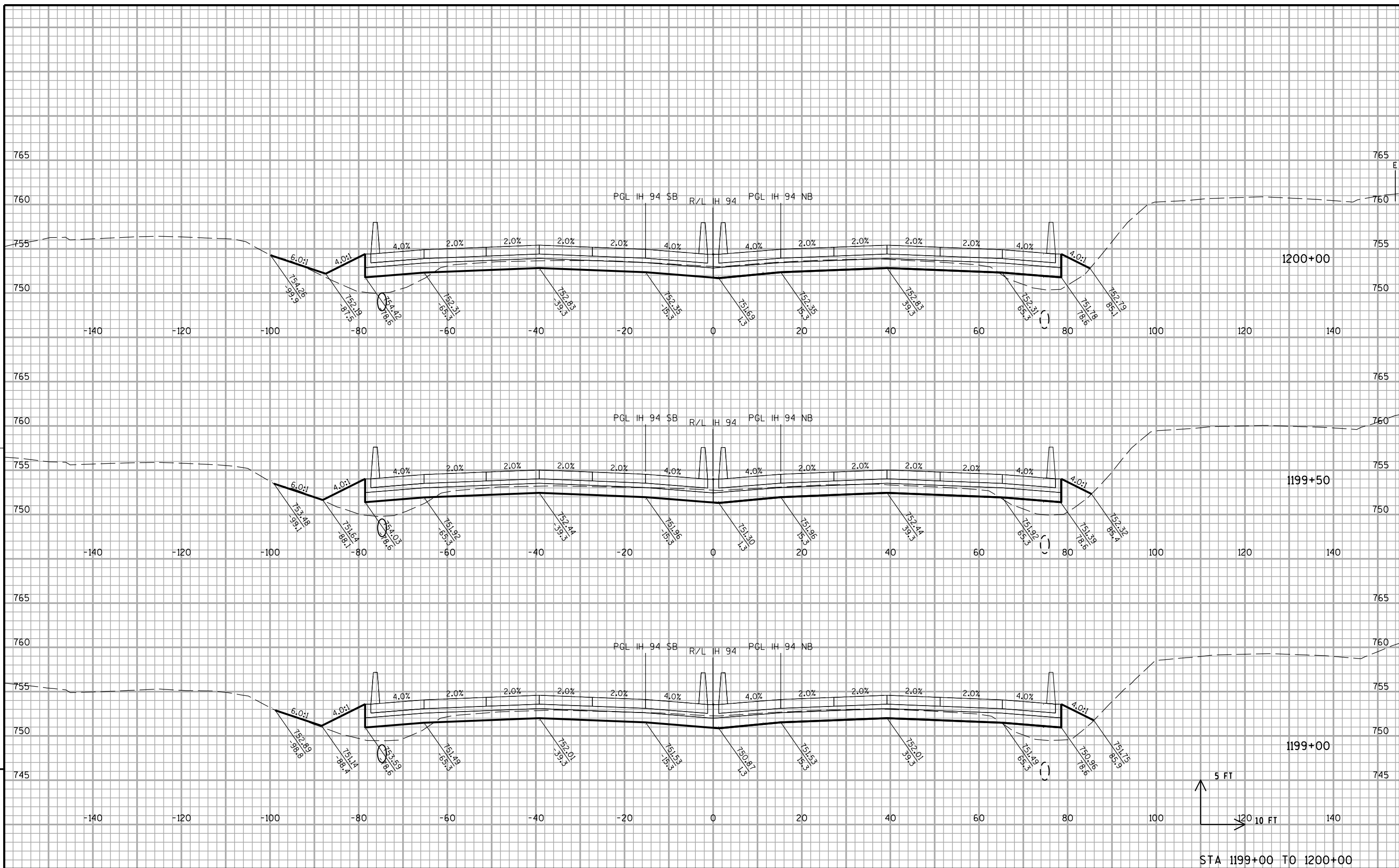


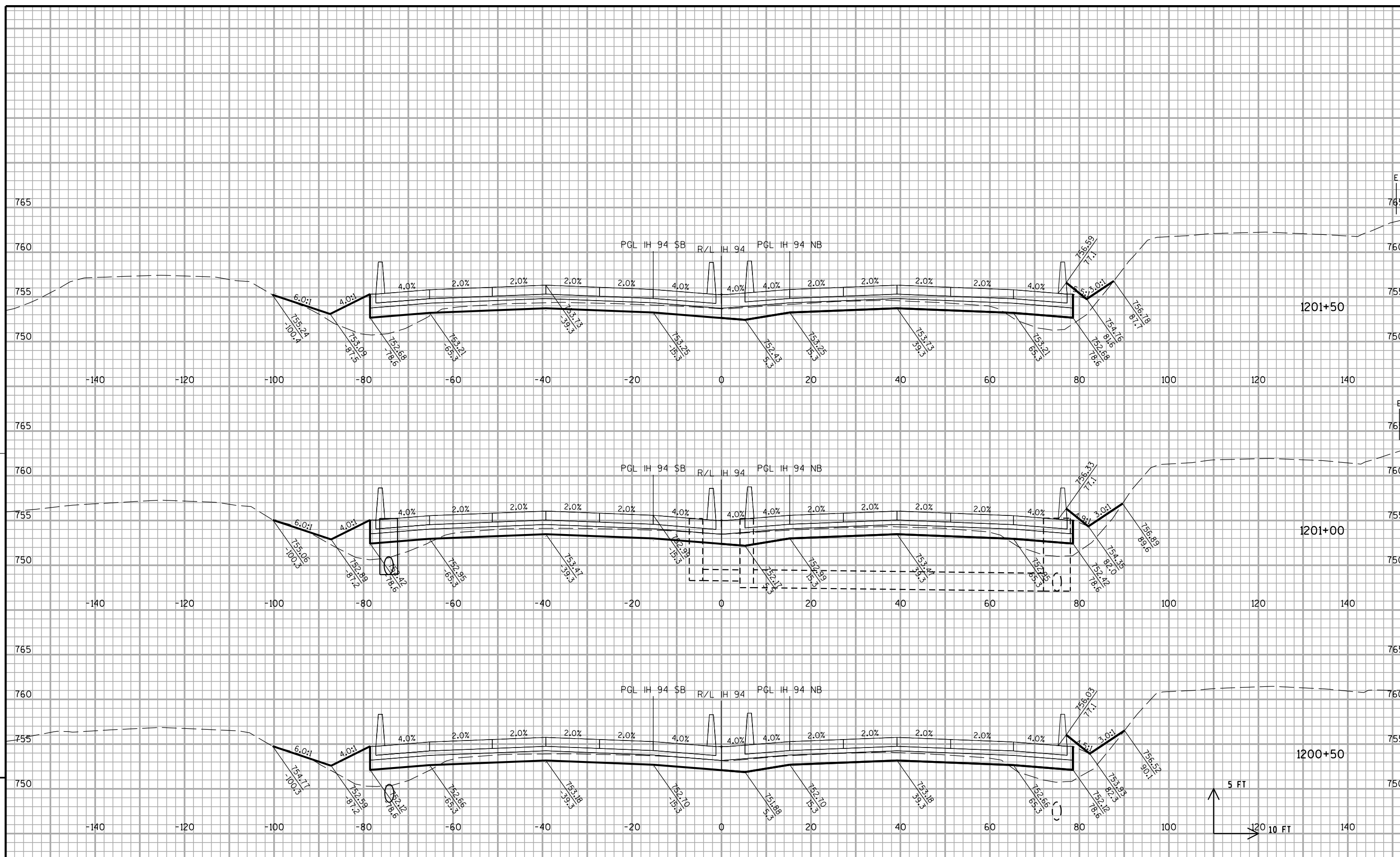


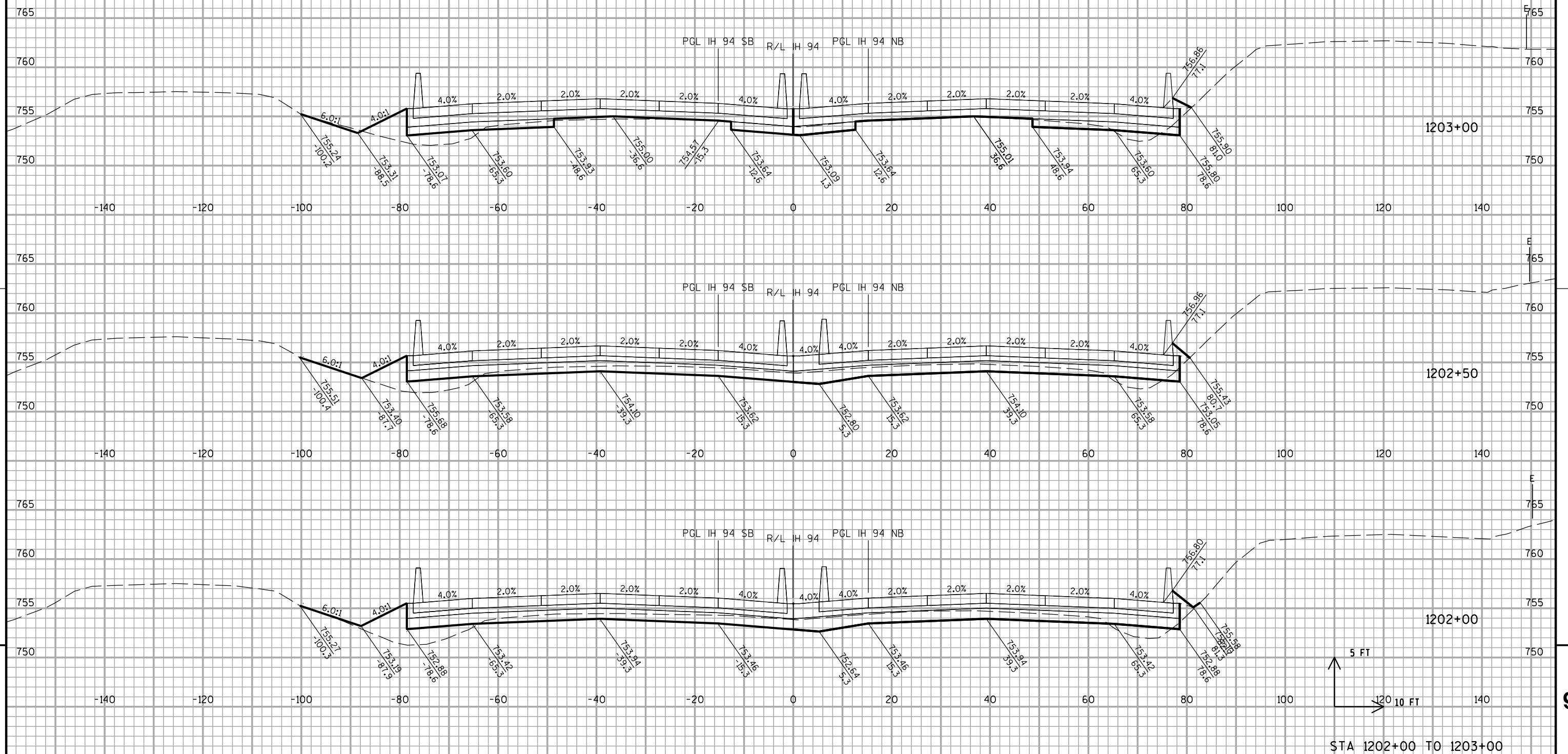


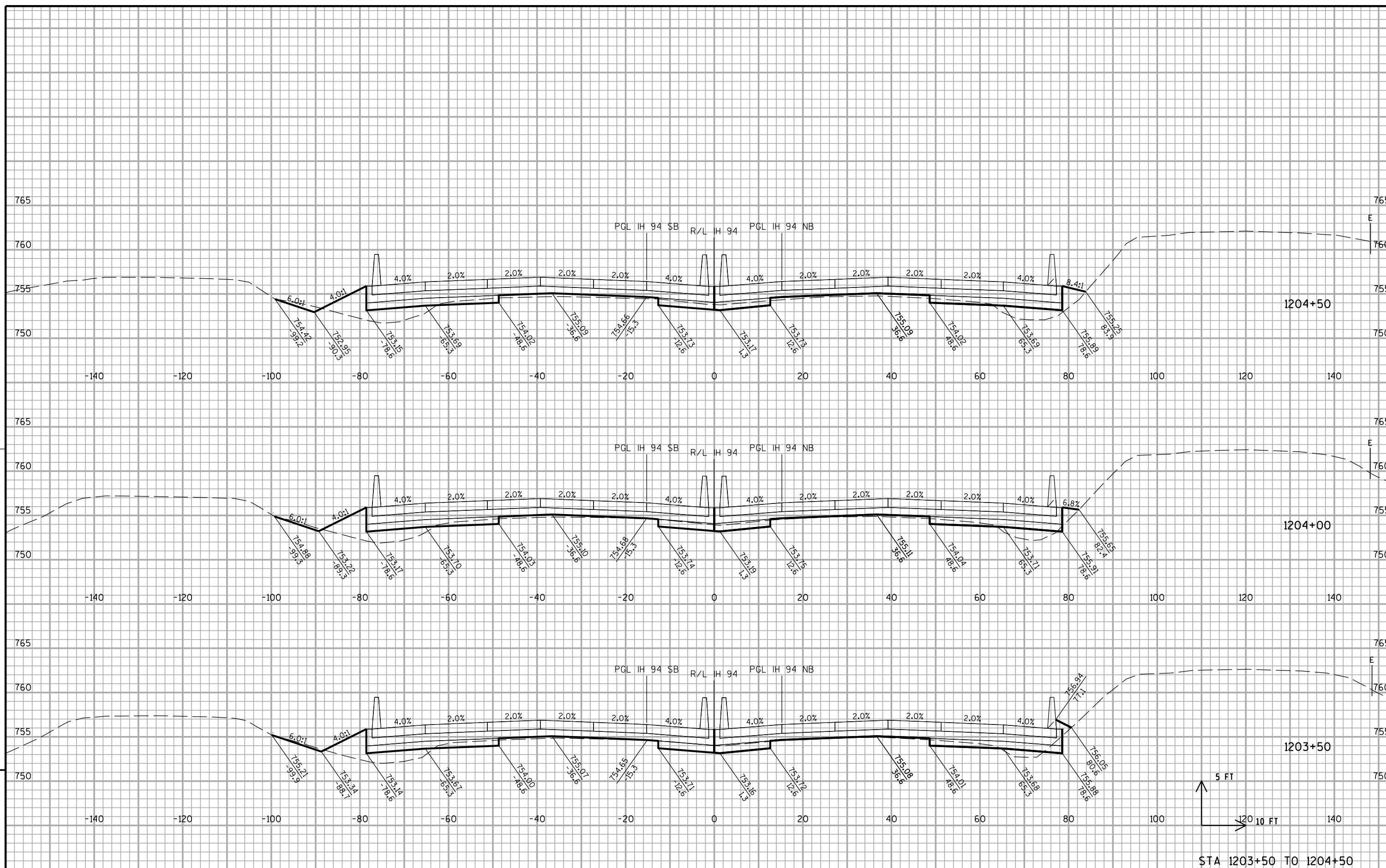


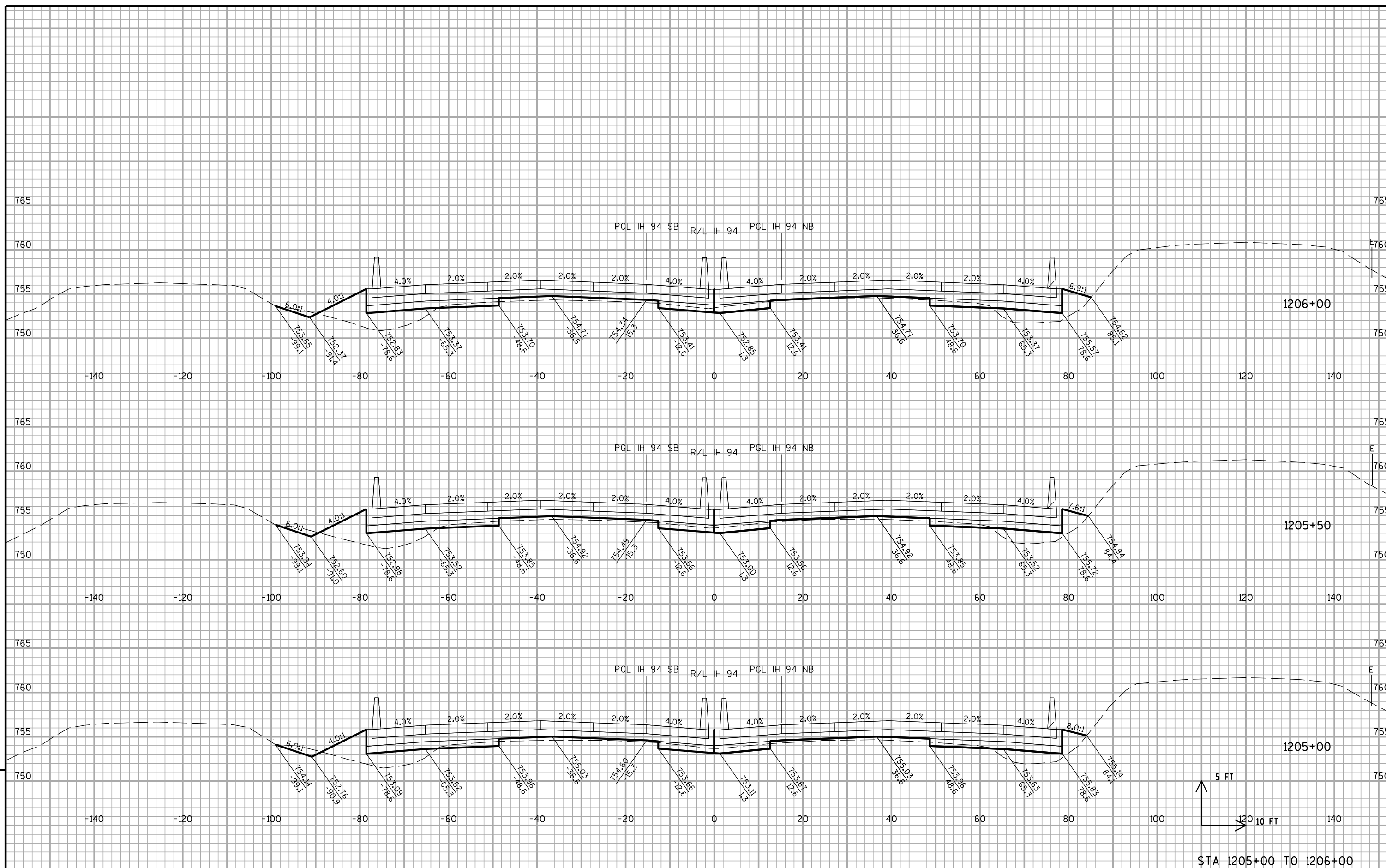


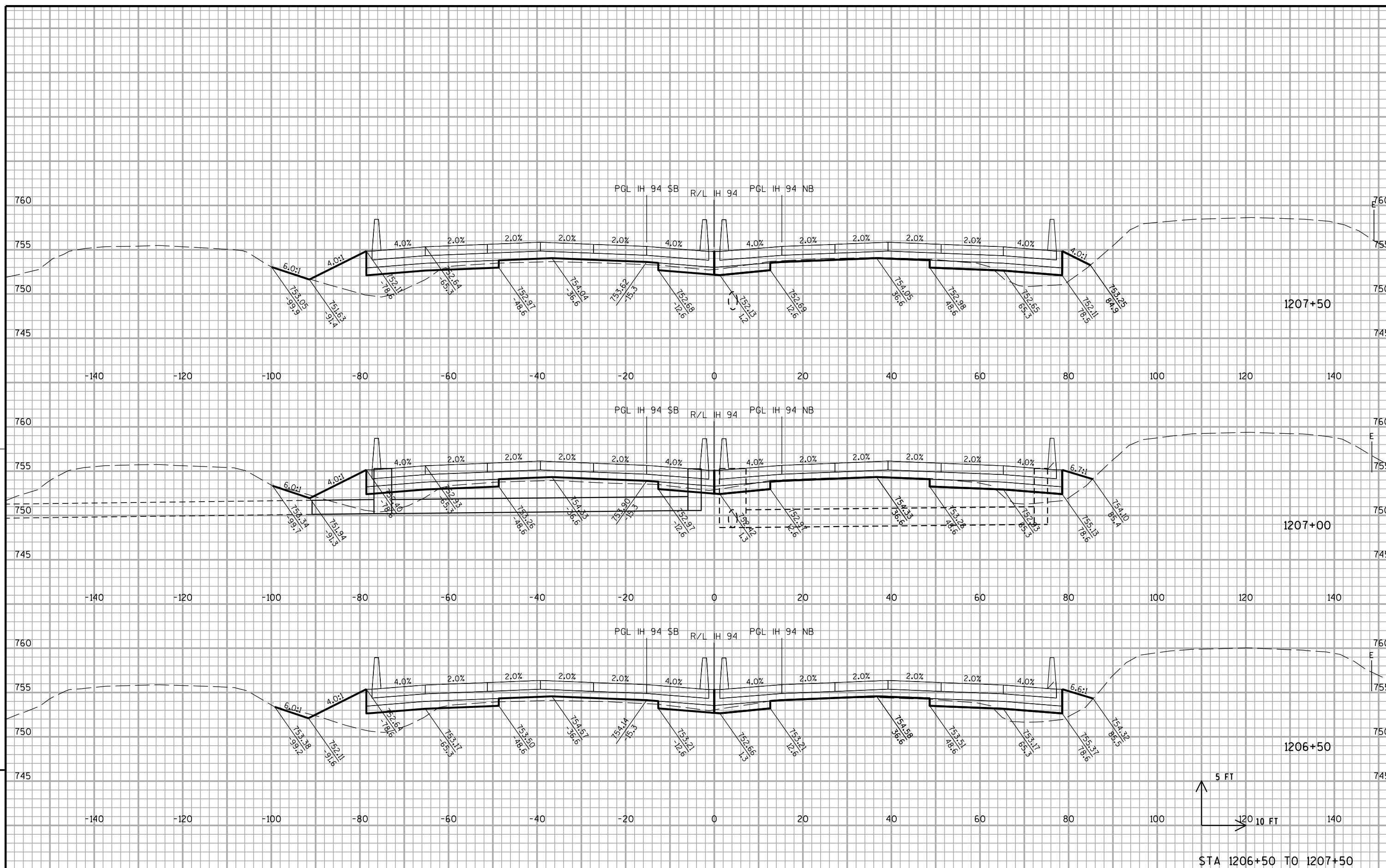


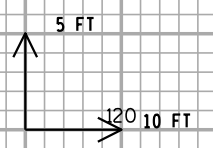
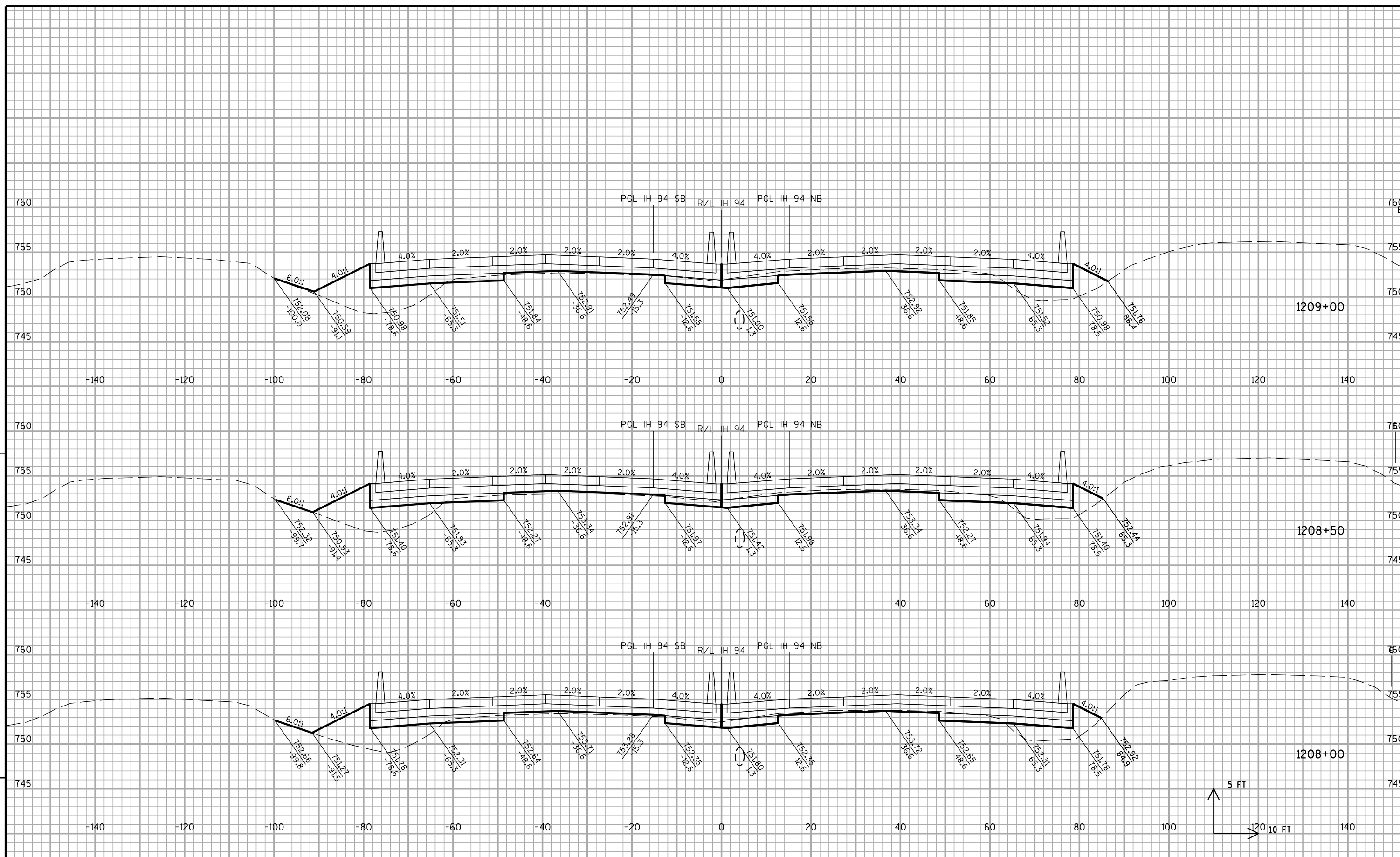




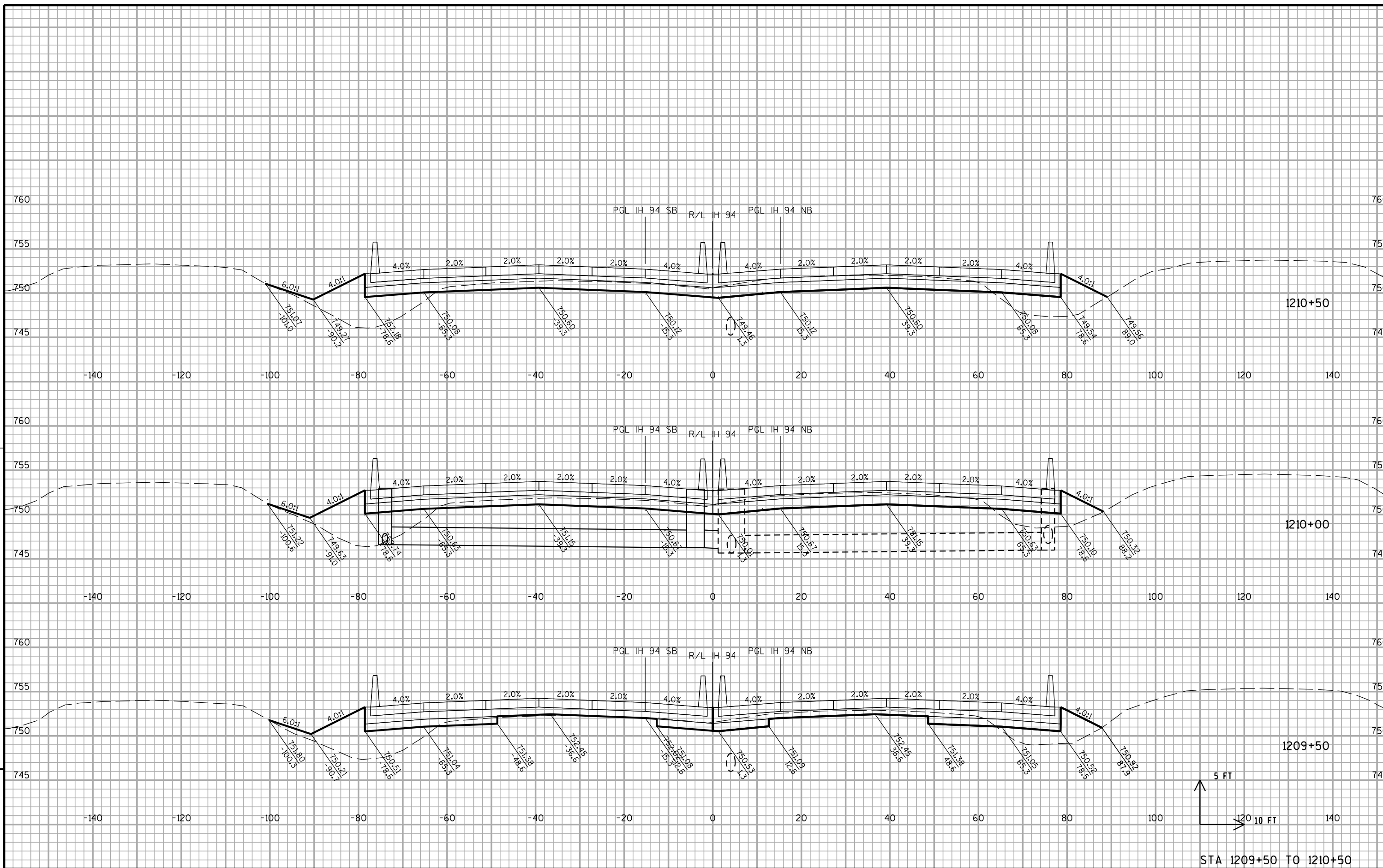


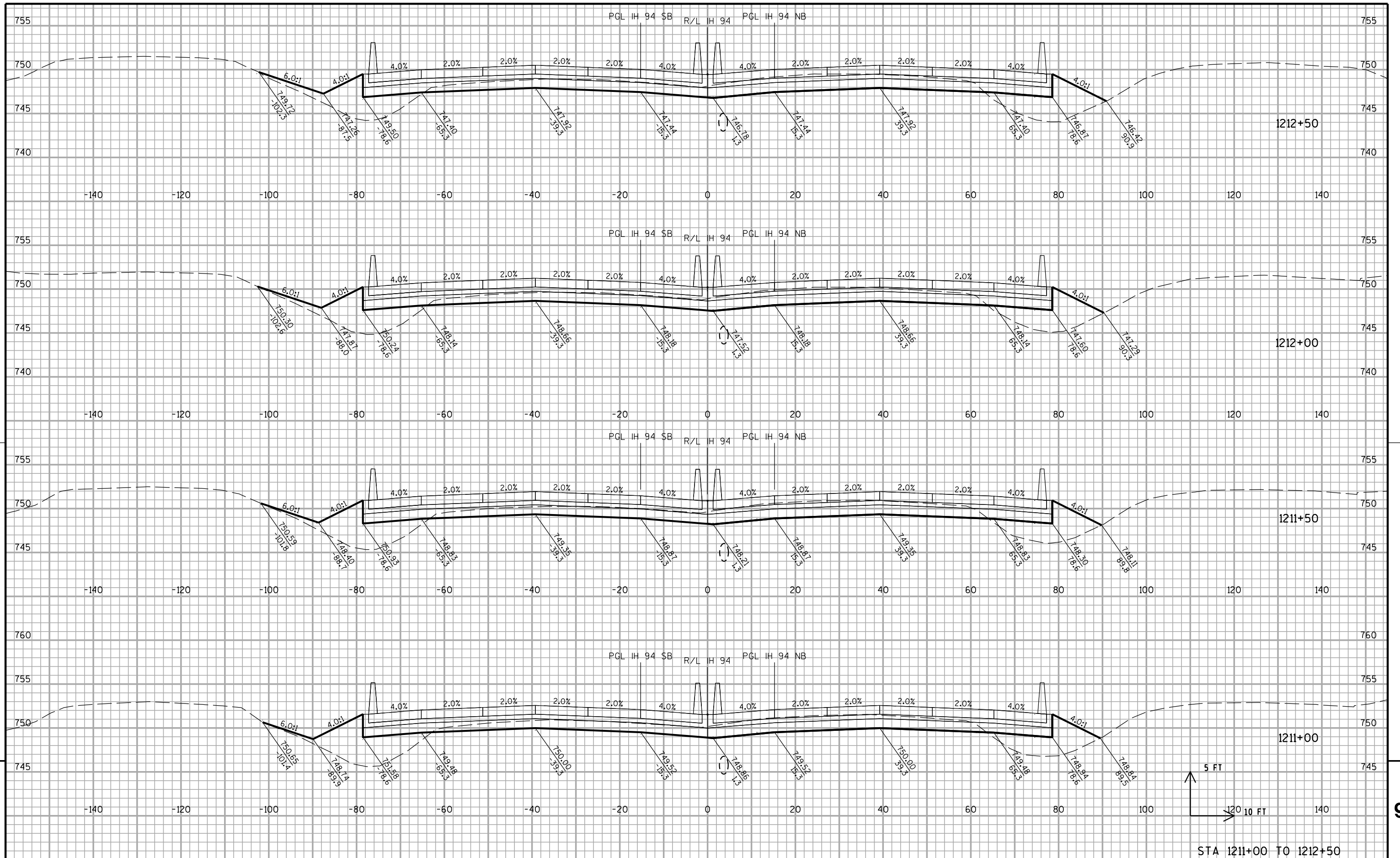




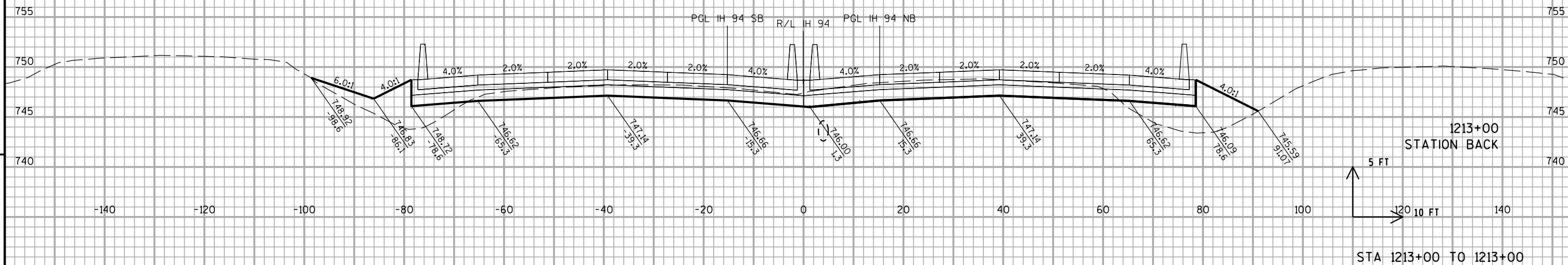


STA 1208+00 TO 1209+00

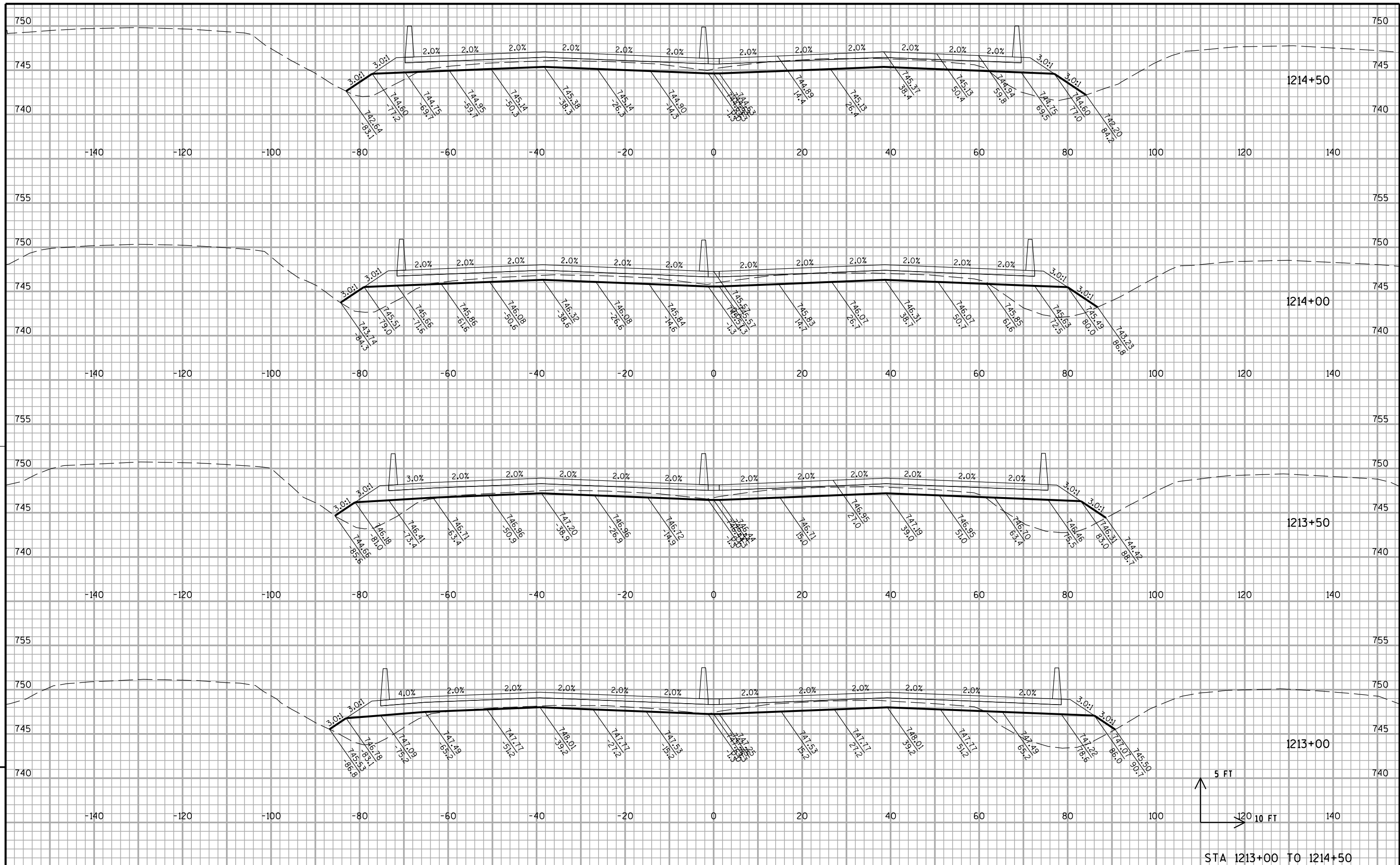


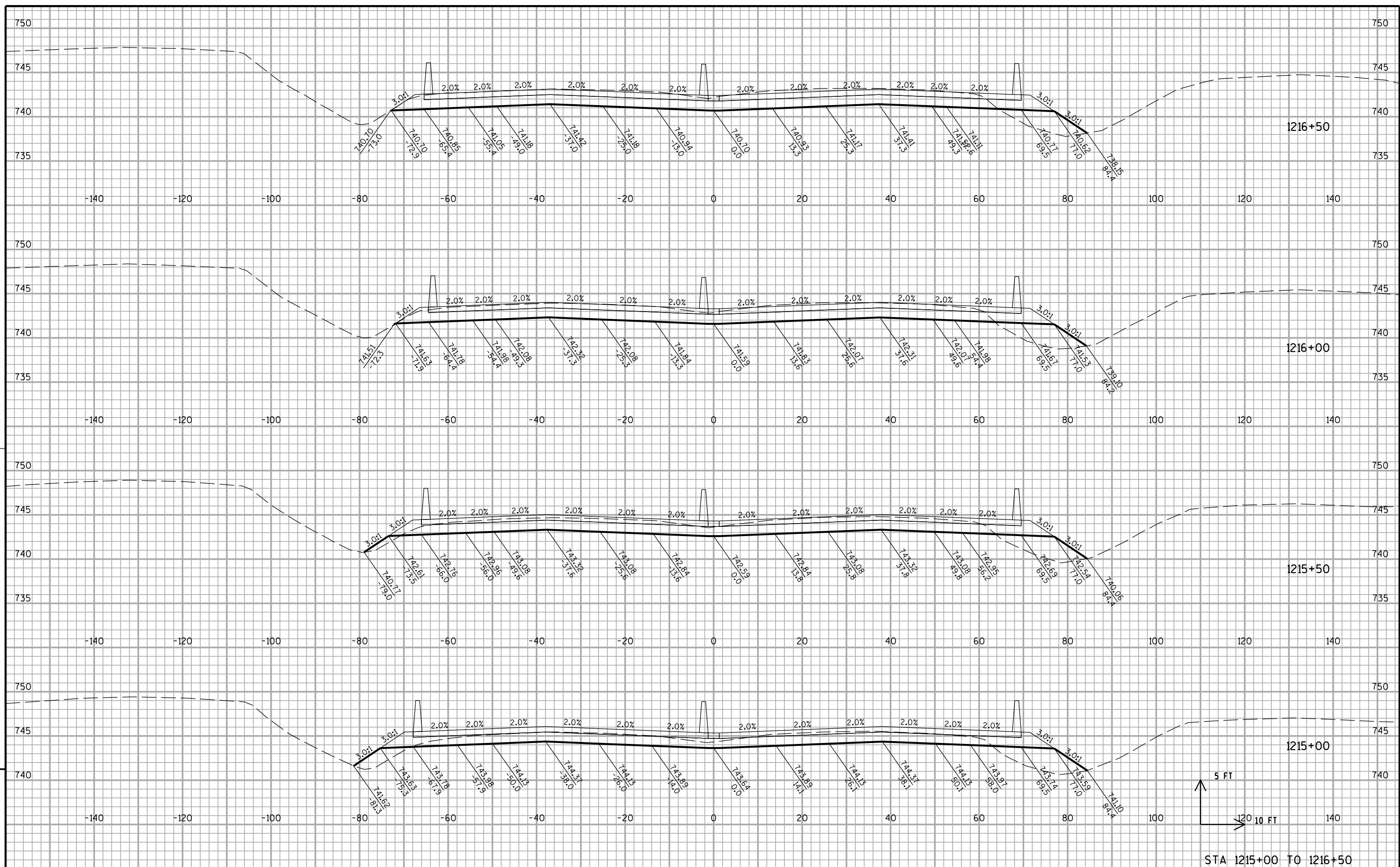


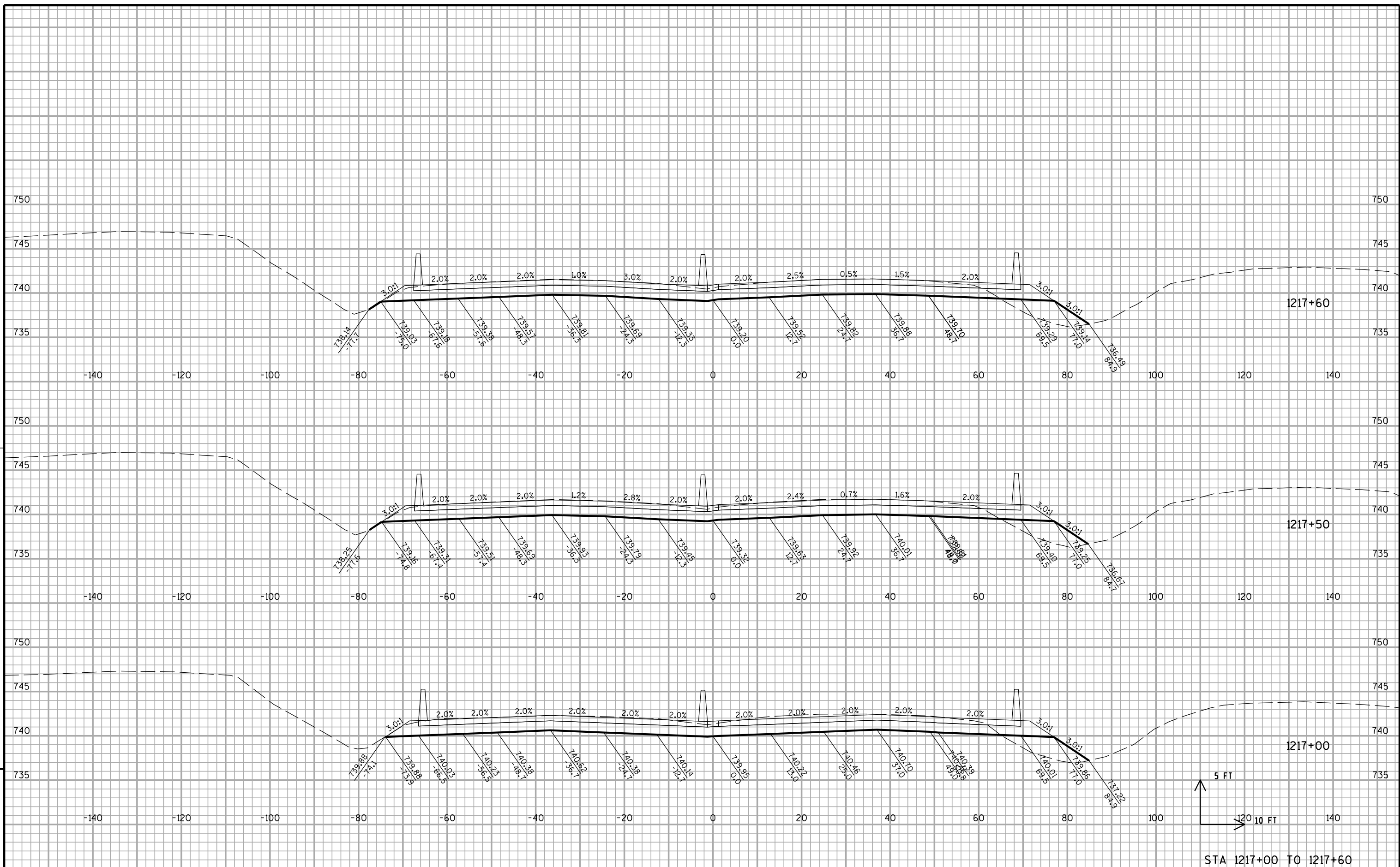
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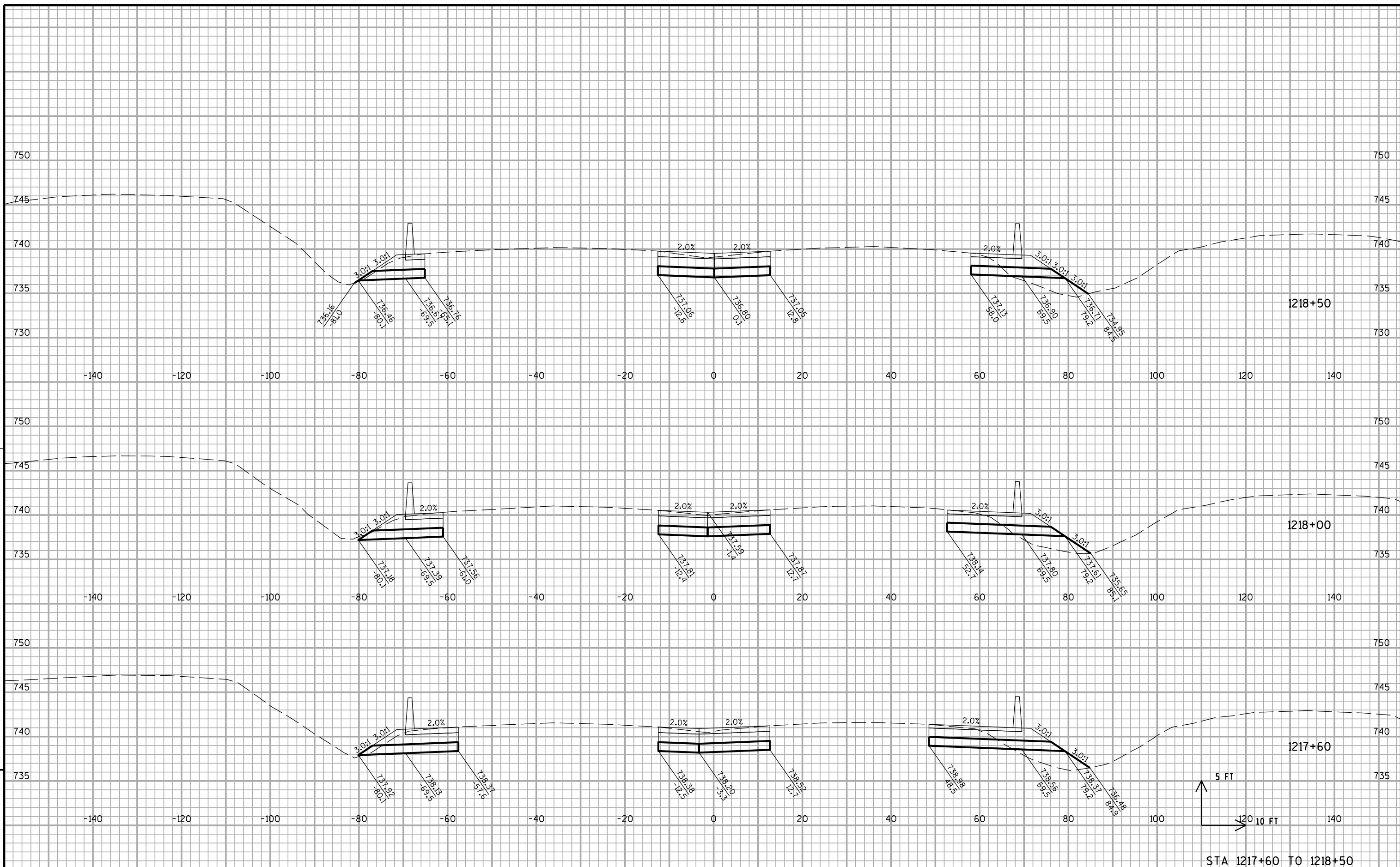


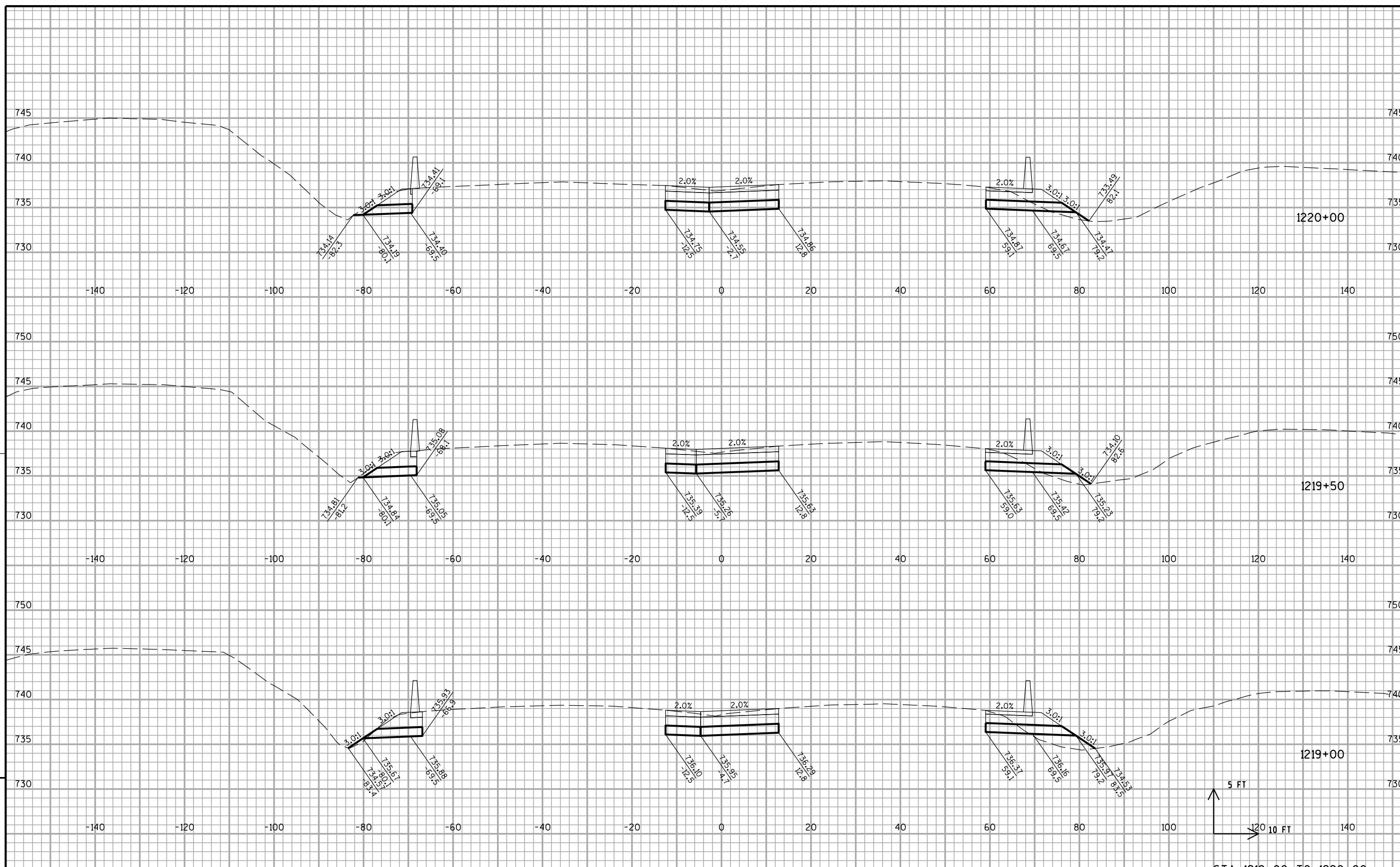
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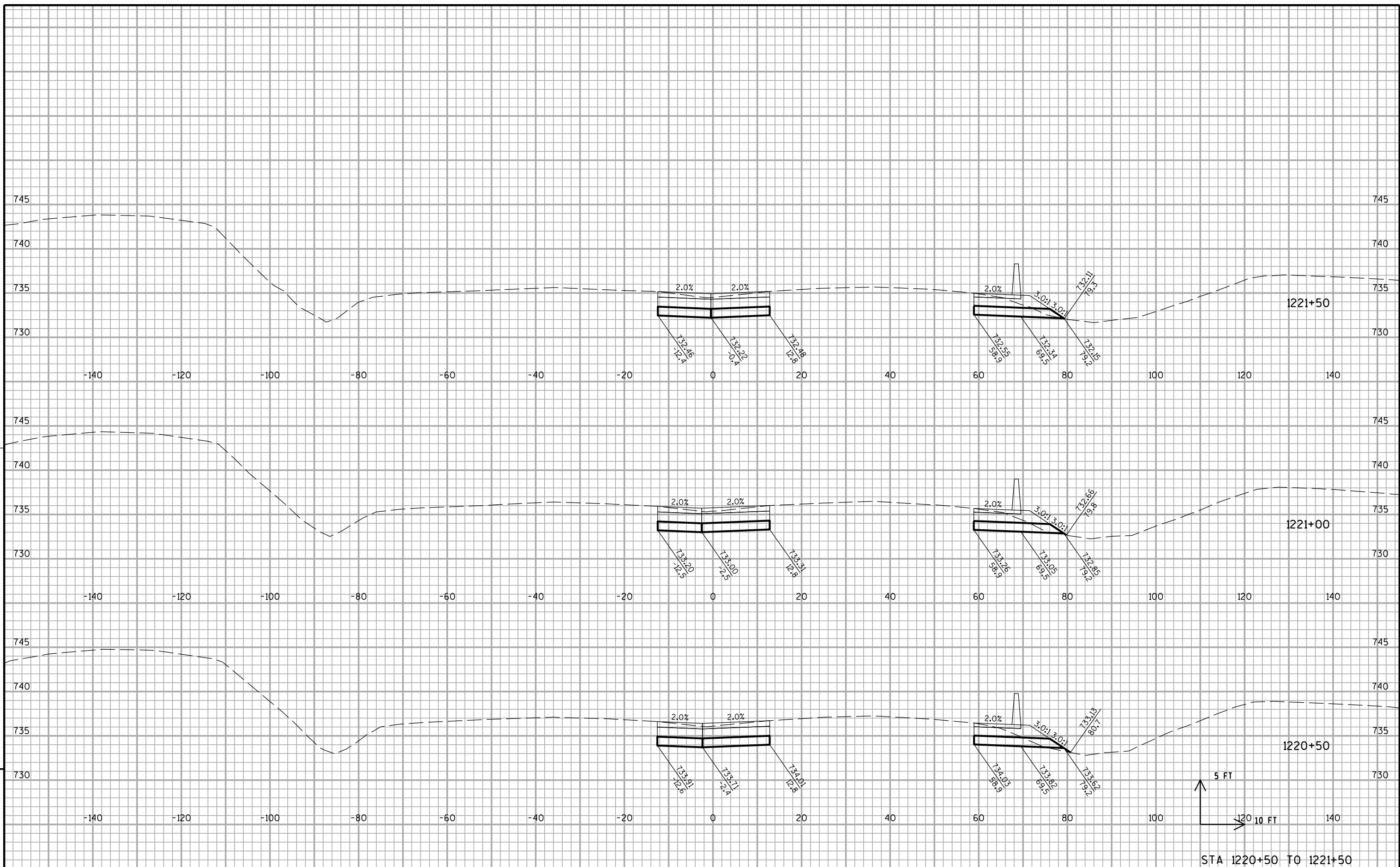


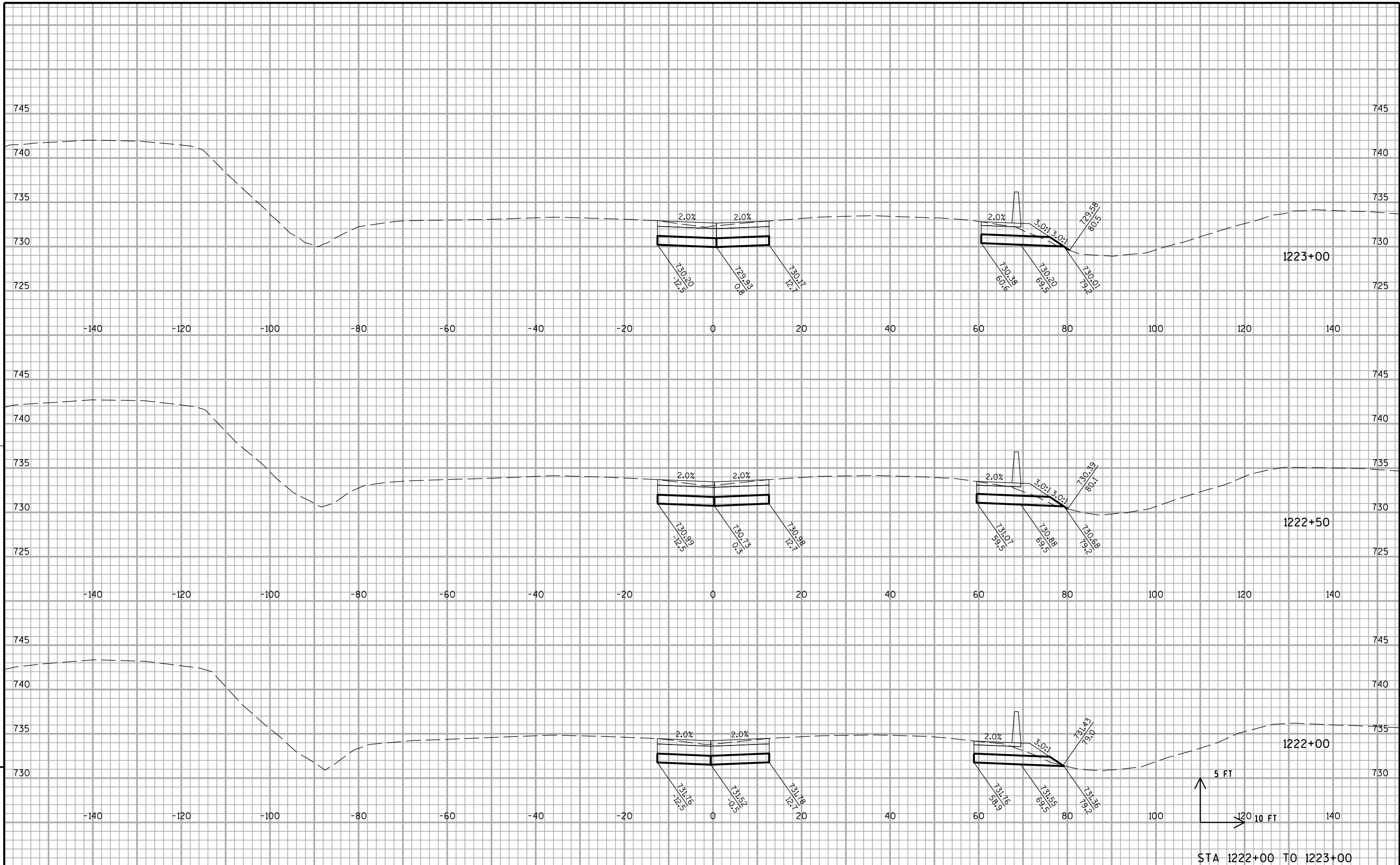


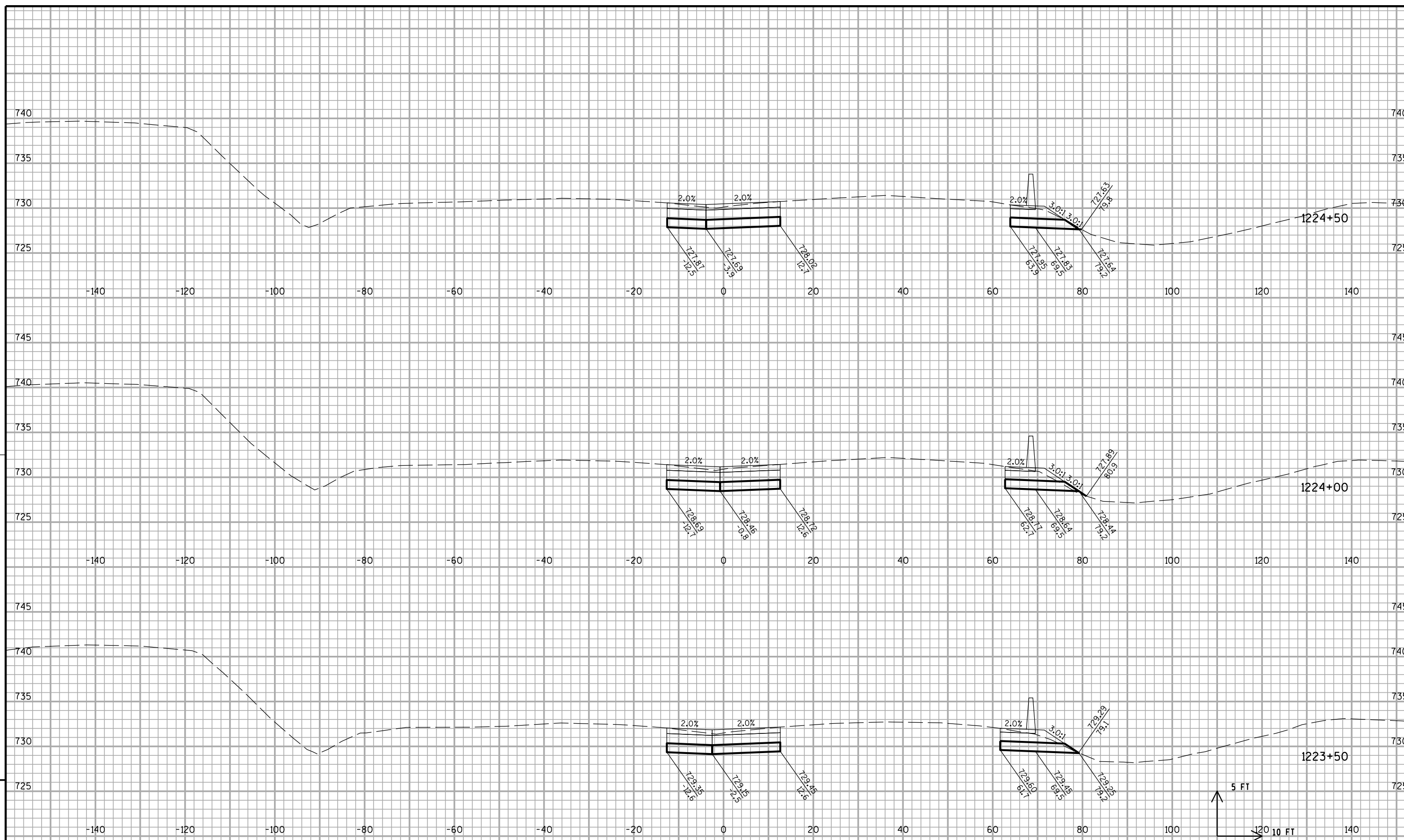


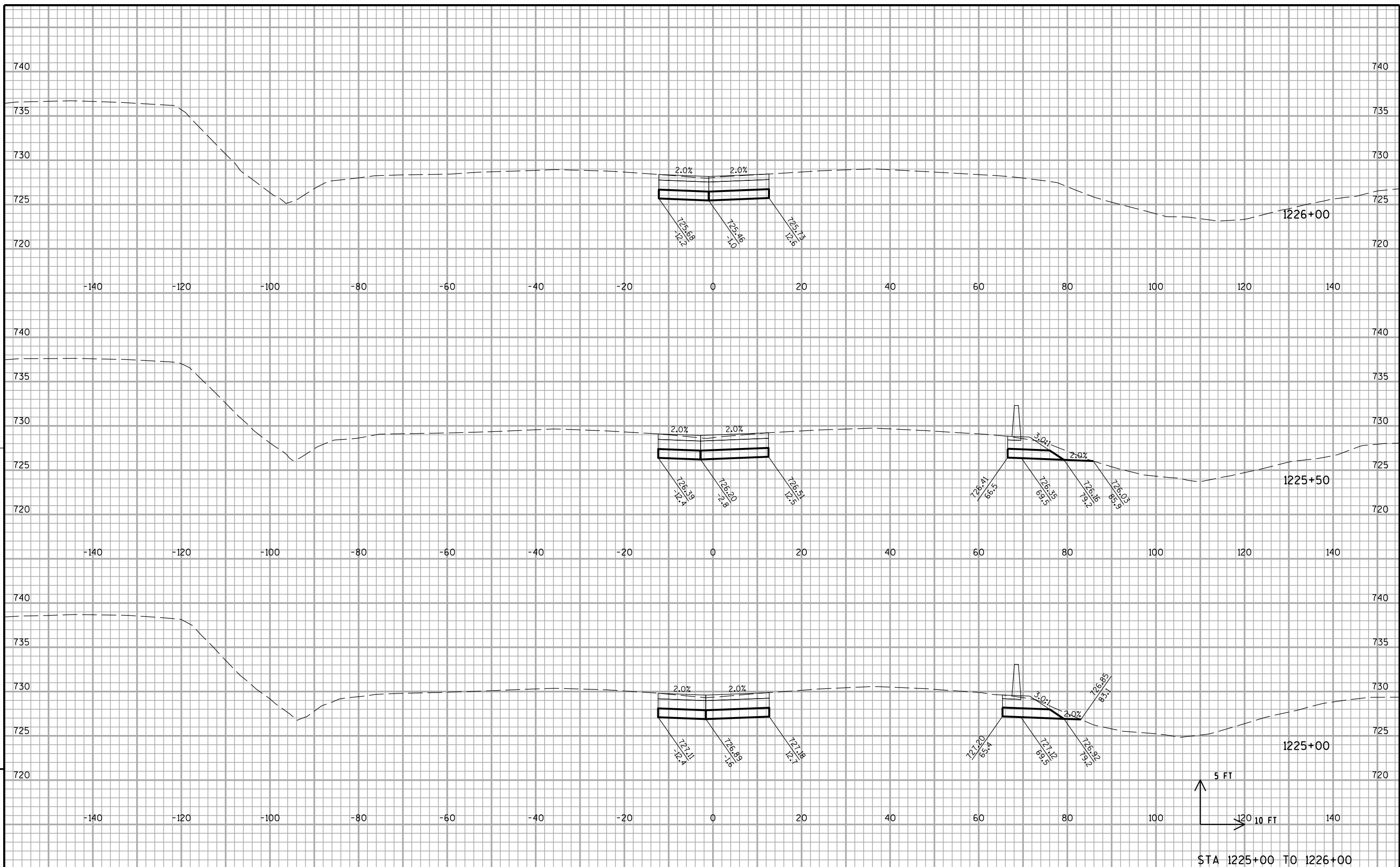


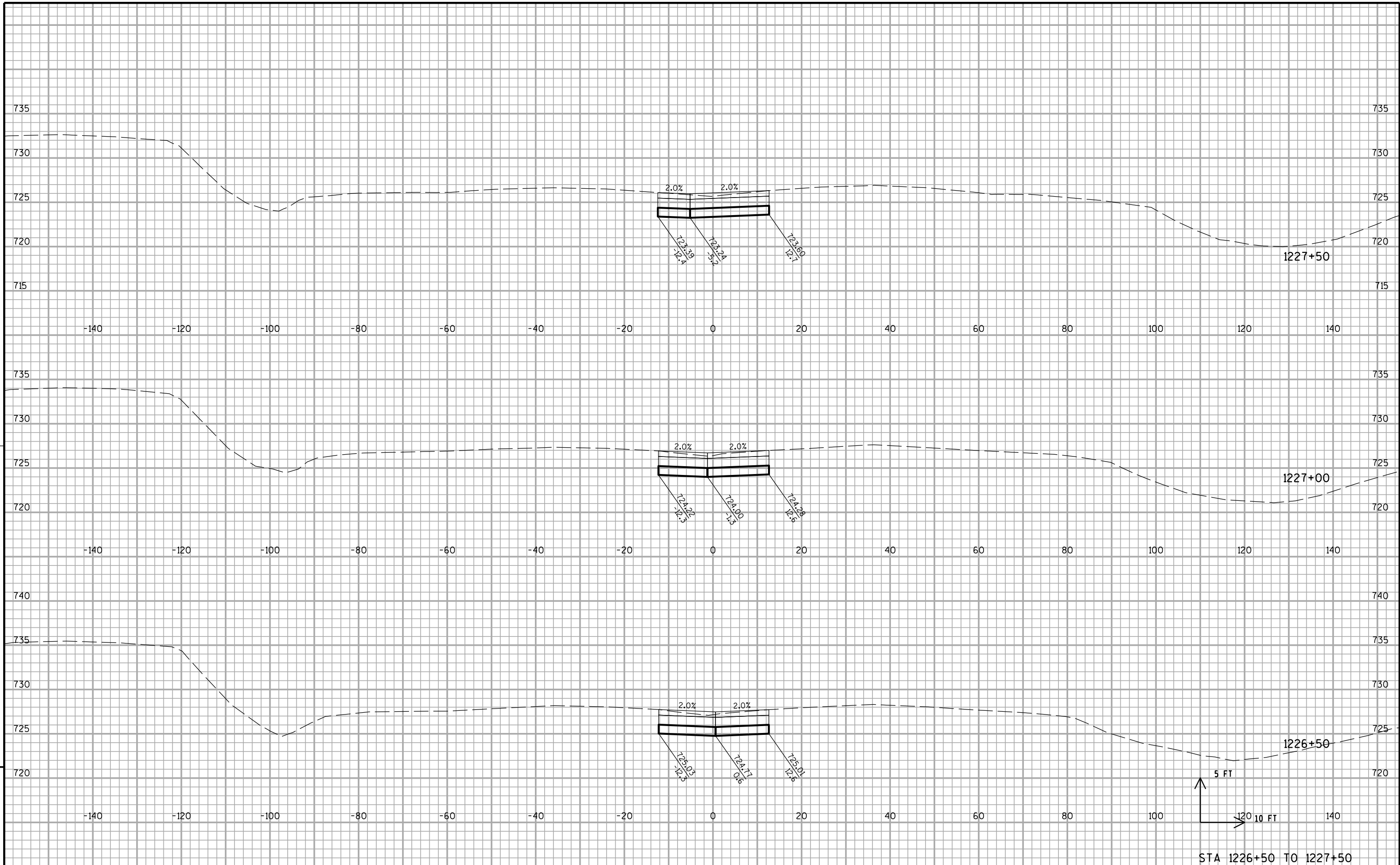


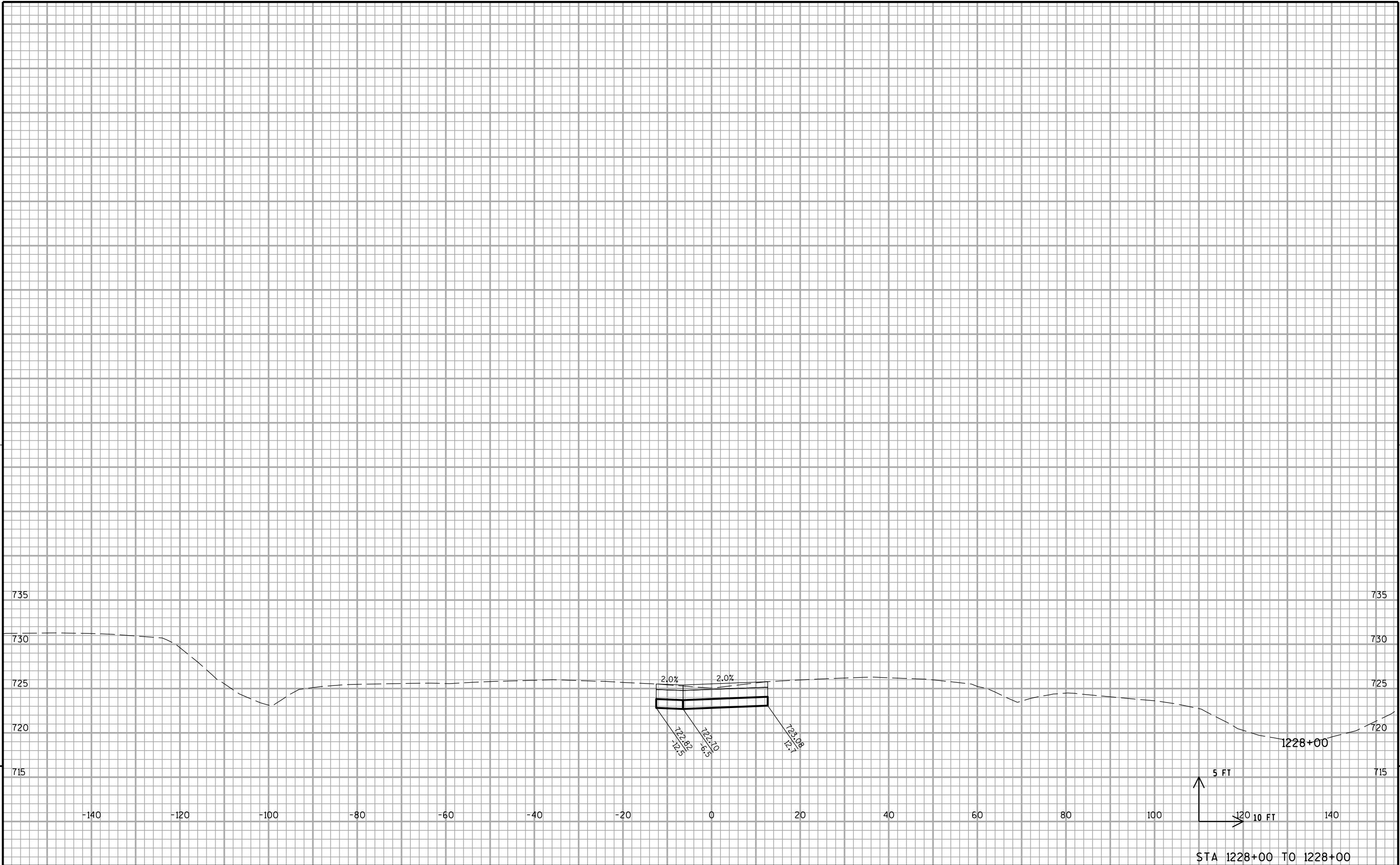












EPlans Preliminary Sheet Numbering Tool

This sheet: ftp://ftp.dot.state.wi.us/transp/roads/eplans/prelim_sheet_numbers.pdf

Notes

- Acrobat 5 or higher is required to use this tool.
- The Bureau of Highway Construction places sheet numbers in the final plan.
- This sheet is for placing preliminary sheet numbers with a "PRE_" prefix.
- If a plan contains multiple projects, number each plan individually.
- Leave this sheet in the plan.

TO ADD PRELIMINARY SHEET NUMBERS

- 1. Insert this sheet at the end of the plan**
 - a. With the plan open in Acrobat, select Document > Insert Pages.
 - b. In the Select File to Insert dialog box, select this file (prelim_sheet_numbers.pdf)
 - c. In the Insert dialog box, choose After for Location and Last page for Page.
 - d. Click OK.
- 2. Click the Place Preliminary Sheet Numbers button**
 - a. Go to the last sheet of the plan.
 - b. Click the Place Preliminary Sheet Numbers button once.
(The preliminary sheet number appears in the bottom right corner of the sheets.
The number should match te page number in the Acrobat Status bar).
- 3. Re-Save the PDF**
 - a. Select File > Save As and save the PDF.



TO REMOVE PRELIMINARY SHEET NUMBERS

