WKE

PROJECT ID: 1030-25-74

WITH: 1030-25-71, 1030-25-72

COUNTY: RACINE

APR 28 09

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details
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 = 322

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

N-S FREEWAY CTH G INTERCHANGE

MAINLINE

IH 94

RACINE COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1030-25-74	WISC 2009374	1

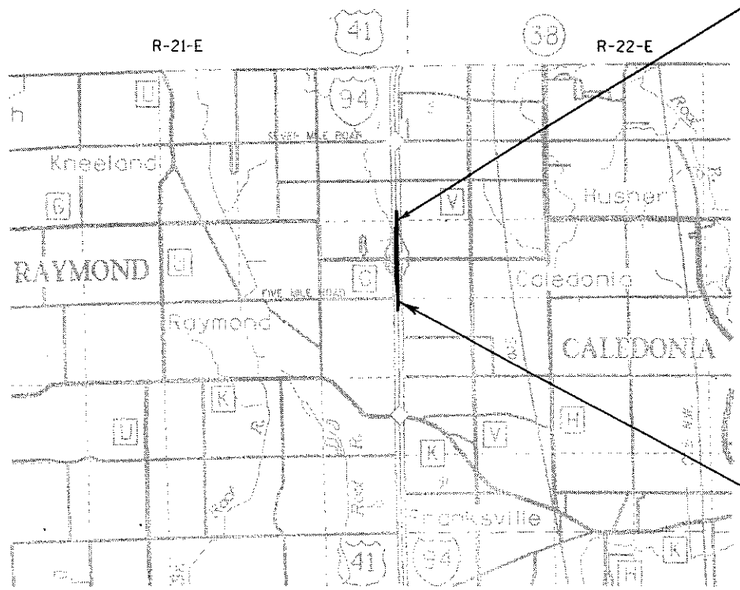
THIS PLAN IS SUBJECT TO FEDERAL OVERSIGHT.

ASBUILT





STATE PROJECT NUMBER
1030-25-74



END PROJECT 1030-25-74
STA 1188+00

BEGIN PROJECT 1030-25-74
STA 1137+00
X = 594,212.10
Y = 212,966.31

LAYOUT
SCALE 0 1.0 MI.

TOTAL NET LENGTH OF CENTERLINE = 1.042 MI.

DESIGN DESIGNATION

		IH 94		CTH G
A.A.D.T.	2010 =	97,620	2010 =	4,700
A.A.D.T.	2035 =	121,000	2030 =	7,990
D.H.V.	=	10,285	=	720
D.D.	=	45SB/55NB	=	54EB/46WB
T.	=	14%	=	9%
DESIGN SPEED	=	70 MPH	=	50 MPH
ESALS	=	N/A	=	N/A

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 (CAUTION)
- MARSH AREA
- WOODED OR SHRUB AREA

PROFILE
- GRADE LINE
- ORIGINAL GROUND
- MARSH OR ROCK PROFILE (To be noted as such) (ROCK)
- SPECIAL DITCH (LABEL)
- GRADE ELEVATION (95.36)
- CULVERT (Profile View)

UTILITIES
- ELECTRIC (E)
- FIBER OPTIC (FO)
- GAS (G)
- SANITARY SEWER (SAN)
- STORM SEWER (SS)
- TELEPHONE (T)
- WATER (W)
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE

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 (NAVD 88).

Milwaukee Transportation Partners LLC

ORIGINAL PLANS PREPARED BY
MILWAUKEE, WISCONSIN



2/2/09 (Date) (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	DAAR ENGINEERING
Designer	LARRY PFEIL
Project Manager	JOSHUA LEVEQUE
Regional Examiner	
Regional Supervisor	WAFA ELQAQ
C.O. Examiner	CARL BUJANOWSKI

APPROVED FOR DISTRICT OFFICE
DATE: 2/2/09 (Signature)

E

UTILITY CONTACTS

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.

DIGGERS HOTLINE

Toll Free (800) 242-8511
Milwaukee Area (414) 259-1181
Hearing Impaired TDD (800) 542-2289
www.DiggersHotline.com

AT&T LONG DISTANCE
MR. CARL DONAHUE
AT&T CORPORATION.
866 ROCK CREEK ROAD
PLANO, IL 60545
PHONE: (847) 420-9115
FAX: (847) 244-9597
cdonahue@ems.att.com

AT&T WISCONSIN
MR. KEVIN ANDERSON, AREA MANAGER,
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FAX: (262) 896-7435
ka8421@sbc.com

CALEDONIA UTILITY DISTRICT
MR. BOB LUI
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6922 NICHOLSON ROAD
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PHONE: (262) 835-7765
FAX: (262) 835-6421

CALEDONIA STORM SEWER UTILITY COMMISSION
MR. MICHAEL AULOZZI, PRESIDENT
CALEDONIA STORM SEWER UTILITY COMMISSION
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FAX: (262) 835-2388

CALEDONIA, VILLAGE OF
MR. MICHAEL HAYEK, ENGINEER
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6922 NICHOLSON ROAD
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FAX: (262) 835-2388
fhaerter@townofcaledoniawi.com

RACINE COUNTY DPW
MR.GLENN LAMPACK, MANAGER PLANNING / ENGINEERING
RACINE COUNTY DPW
14200 WASHINGTON AVENUE
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FAX: (262) 886-8480

RAYMOND, TOWN OF
MS. KARI MORGAN, TOWN CLERK
RAYMOND, TOWN OF
2255 S. 76TH STREET
FRANKSVILLE, WI 53126
PHONE: (262) 835-4426
FAX: (262) 835-4449

TIME WARNER CABLE
MR. STEVE CRAMER, UTILITY COORDINATOR
TIME WARNER CABLE
1320 N. MARTIN LUTHER KING JR. DRIVE
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WILTEL COMMUNICATIONS, LLC
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TULSA, OK 74103
PHONE: (918) 547-0029
Level3.networkrelocations@level3.com

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donald.schell@dot.state.wi.us

OTHER AGENCIES

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shelley.warwick@wisconsin.gov

SOUTHEAST WISCONSIN REGIONAL PLANNING COMISSION
TOM SLAWSKI, PRINCIPAL PLANNER
P.O. BOX 1607
WAUKESHA, WI 53187-1607
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tslawski@sewrpc.com

WISCONSIN DEPARTMENT OF TRANSPORATION
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Karla.leithoff@dot.state.wi.us

ORDER OF SECTION 2 DETAIL SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PAVING DETAILS
EROSION CONTROL PLANS
STORM SEWER PLANS
EXISTING AND PERMANENT SIGNING
PAVEMENT MARKING
TRAFFIC CONTROL/ CONSTRUCTION
STAGING
DETOUR PLANS
ALIGNMENT PLANS

GENERAL NOTES

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

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

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. GRANULAR BACKFILL IS INCIDENTAL TO WORK.

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

PRIOR TO ORDERING DRAINAGE PIPES AND STRUCTURES, THE CONTRACTOR SHALL VERIFY RELATED DRAINAGE INFORMATION IN THE PLAN 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.

REINFORCED CONCRETE APRON ENDWALLS AND ADJOINING TWO SECTIONS OF CONCRETE PIPE SHALL BE TIED TOGETHER AS SHOWN ON THE STANDARD DETAIL DRAWINGS AND AS LOCATED IN THE MISCELLANEOUS QUANTITIES. JOINT TIES SHALL BE INCIDENTAL ITEMS INCLUDED IN THE COST OF THE CONCRETE PIPE.

THE QUANTITY OF SALVAGED TOPSOIL IS COMPUTED FROM MEASUREMENTS BETWEEN THE SUBGRADE SHOULDER POINTS AND THE SLOPE INTERCEPTS AS SHOWN ON THE CROSS SECTIONS PLUS 5 FEET FOR ROUNDING.

CURB HEIGHTS AT THE END OF CURB AND GUTTER SHALL BE TAPERED FROM 0 TO 4 INCHES OR 0 TO 6 INCHES IN 6 FEET.

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

EXISTING DRIVEWAYS AND FIELD ENTRANCES SHALL BE RESTORED IN KIND AS DIRECTED BY THE ENGINEER IN THE FIELD AND AT THE LOCATION DETERMINED BY THE ENGINEER.

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

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

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

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

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

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.

DISTURBED AREAS WITHIN THE RIGHT OF WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE SALVAGED TOPSOILED, FERTILIZED AND SEEDED AS DIRECTED BY THE ENGINEER.

INLET PROTECTION REQUIRED AT ALL INLETS AS PER DETAIL OR AS DIRECTED BY THE ENGINEER.

CONCRETE MEDIAN SLOPED NOSE SHALL BE CONSTRUCTED FOR ALL MEDIAN OPENINGS AT INTERSECTIONS WITH CURB & GUTTER.

HMA PAVEMENT AND CONCRETE DRIVEWAYS AND/OR PARKING LOTS SHALL BE SAWCUT AT THE MATCHLINE AS SHOWN ON THE PLAN & PROFILES OR AS DIRECTED BY THE ENGINEER.

HMA PAVEMENT, TEMPORARY SHALL BE CONSTRUCTED IN A SINGLE LAYER.

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

PAVEMENT TYPE	TOTAL LAYER PAVEMENT THICKNESS	LAYERS	NOMINAL MAXIMUM SIZE GRADATION	ASPHALTIC MATERIAL
ASPHALTIC SURFACE TEMPORARY	5"	5"	25.0 MM	
ASPHALTIC BASE	3"	3"	25.0 MM	
E-10	7.5"	2" UPPER 2 3/4" UPPER LOWER 2 3/4" LOWER LOWER	12.5 MM 19.0 MM 19.0 MM	PG64-28 PG64-22 PG64-22

THE CONTRACTOR SHALL PROVIDE A CONCRETE JOINT DETAIL 14 DAYS PRIOR TO PAVING FOR APPROVAL BY THE ENGINEER.

FERTILIZER SHALL NOT BE USED NEAR NAVIGABLE WATERWAYS OR WETLANDS.

SIGNS IN CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE COVERED AS DIRECTED BY THE ENGINEER AND PAID FOR UNDER THE ITEM TRAFFIC CONTROL COVERING SIGNS.

SOD OR SEED, MULCH AND FERTILIZE ALL SLAVAGEDTOPSOILED AREAS WITHIN 10 DAYS AFTER PLACEMENT OF SALVAGED TOPSOIL.

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 CONSTUCTION LINE
CE	COMMERCIAL ENTRANCE
CONC	CONCRETE
CMCP	CORRUGATED METAL CULVERT PIPE
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
EB	EASTBOUND
EBS	EXCAVATION BELOW SUBGRADE
FE	FIELD ENTRANCE
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
PI	POINT OF INTERSECTION
PLE	PERMANENT LIMITED EASMENT
PT	POINT OF TANGENT
R	RADIUS OF CURVE
R/L	REFERENCE LINE
R/W	RIGHT OF WAY
RC	REMOVE CROWN
RCAEW	APRON ENDWALL FOR CULVERT PIPE REINFORCE CONCRETE
REQD	REQUIRED
RHF	RIGHT HAND FORWARD
RO	RUN OFF LENGTH
RT	RIGHT
RRSP	RAILROAD SPIKE
SALV	SALVAGED
SB	SOUTHBOUND
SDD	STANDARD DETAIL DRAWING
SE	SUPER ELEVATION
SF	SQUARE FOOT
SSRCP	STORM SEWER REINFORCED CONCRETE PIPE
STA	STATION
SY	SQUARE YARD
T	TANGENT LENGTH
TLE	TEMPORARY LIMITED EASEMENT
VCL	VERTICAL CURVE LENGTH
VPC	VERTICAL POINT OF CURVATURE
VPI	VERTICAL POINT OF INTERSECTION
VPT	VERTICAL POINT OF TANGENT
WB	WESTBOUND

2

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	0.08	0.16	0.22	0.12	0.20	0.27	0.15	0.24	0.33	0.19	0.28	0.38
	0.22	0.30	0.38	0.26	0.34	0.44	0.30	0.37	0.50	0.34	0.41	0.56
MEDIAN STRIP-	0.19	0.20	0.24	0.19	0.22	0.26	0.20	0.23	0.30	0.20	0.25	0.30
TURF	0.24	0.26	0.30	0.25	0.28	0.33	0.26	0.30	0.37	0.27	0.32	0.40
SIDE SLOPE-			0.25			0.27			0.28			0.30
TURF			0.32			0.34			0.36			0.38
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 = 131.74 ACRES

TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 28.84 ACRES

2

TOWN OF RAYMOND

VILLAGE OF CALEDONIA

FIVE MILE ROAD

CTH G ID 1030-25-71

SUNNY LANE

WEST FRONTAGE RD ID 1030-25-71

EAST FRONTAGE RD ID 1030-25-71

RAMP SW ID 1030-25-72

RAMP NW ID 1030-25-72

RAMP SE ID 1030-25-72

RAMP NE ID 1030-25-72

IH 94 SB

IH 94 NB

IH 94

HELEN COURT

WILM COURT

R/L G

R/L B

R/L SW

R/L NW

R/L SE

R/L NE

R/L IH 94

BEGIN PROJECT
STA 1137+00

BEGIN CONSTRUCTION
STA 1139SE+52

BEGIN CONSTRUCTION
STA 1126+08

BEGIN CONSTRUCTION
STA 1142SW+96

END CONSTRUCTION
STA 1153SW+50

END CONSTRUCTION
STA 1150SW+50

SIGN STRUCTURE
S-51-17

STRUCTURE
B-51-138
ID 1030-25-72

SIGN STRUCTURE
S-51-18

BEGIN CONSTRUCTION
STA 1173NW+50

BEGIN CONSTRUCTION
STA 1172NE+50

C-51-51
EXISTING 5' X 12'

END CONSTRUCTION
STA 1183NW+88

END CONSTRUCTION
STA 1196+24

END CONSTRUCTION
STA 1182NE+54

END PROJECT
STA 1188+00

OVERVIEW

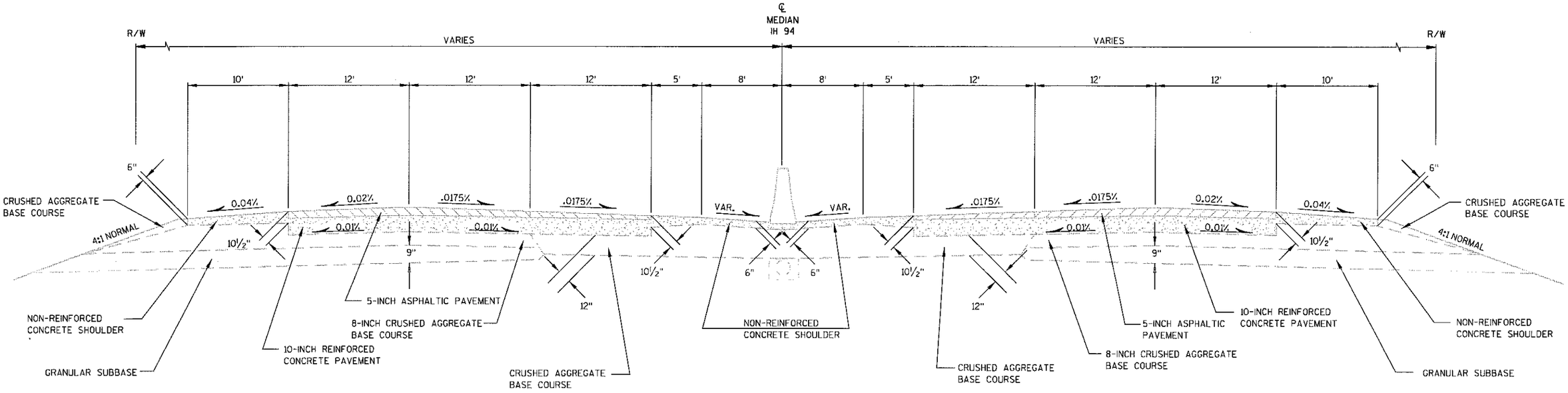
ID 1030-25-71
- EAST AND WEST FRONTAGE ROADS
- CTH G OUTER LEGS

ID 1030-25-72
- CTH G BRIDGE AND APPROACH PAVEMENT
- CTH G RAMPS

ID 1030-25-74
- IH 94 MAINLINE
- RAMP CONNECTIONS

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	PROJECT OVERVIEW	SHEET 5	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\020201_po.dgn PLOT DATE : 17-MAR-2009 15:25 PLOT BY : MSCESG PLOT NAME : PLOT SCALE : 500:1

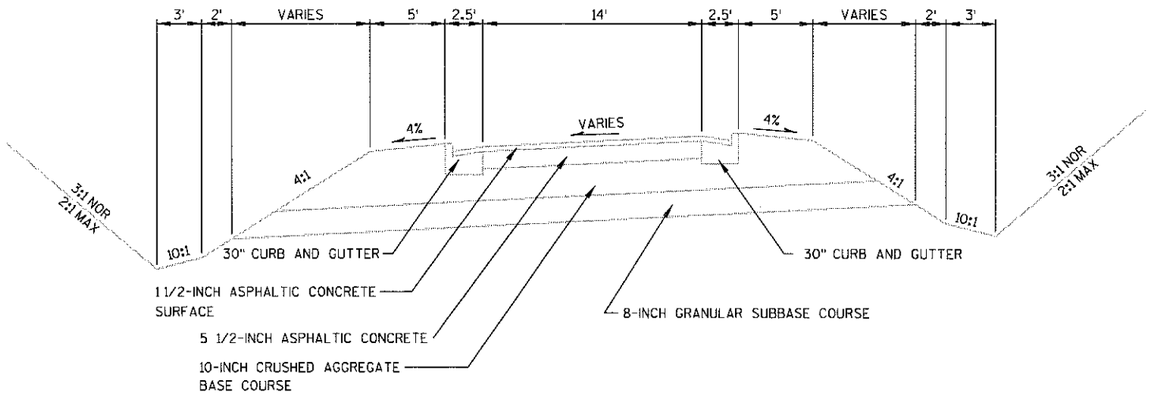


TYPICAL EXISTING SECTION

IH 94

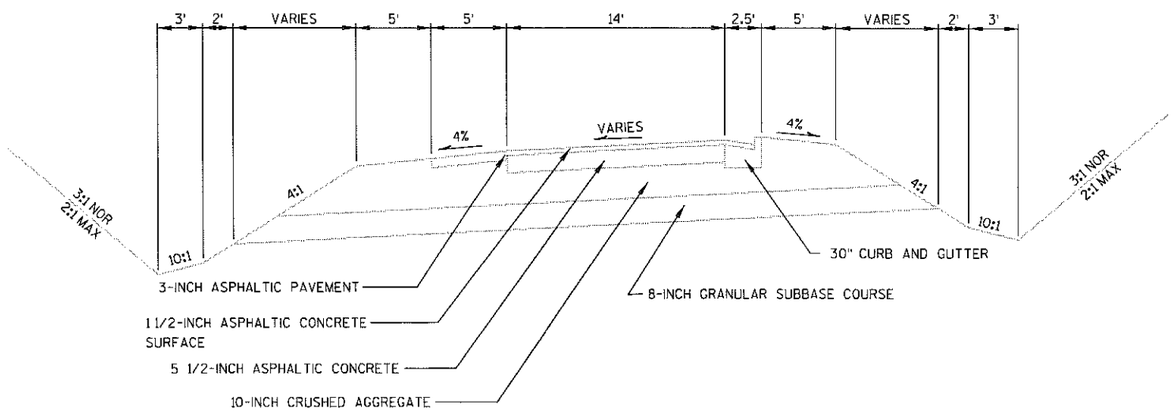
STA 1120+00 TO 1200+00

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	TYPICAL SECTIONS	SHEET 6	E



TYPICAL EXISTING SECTION
RAMPS

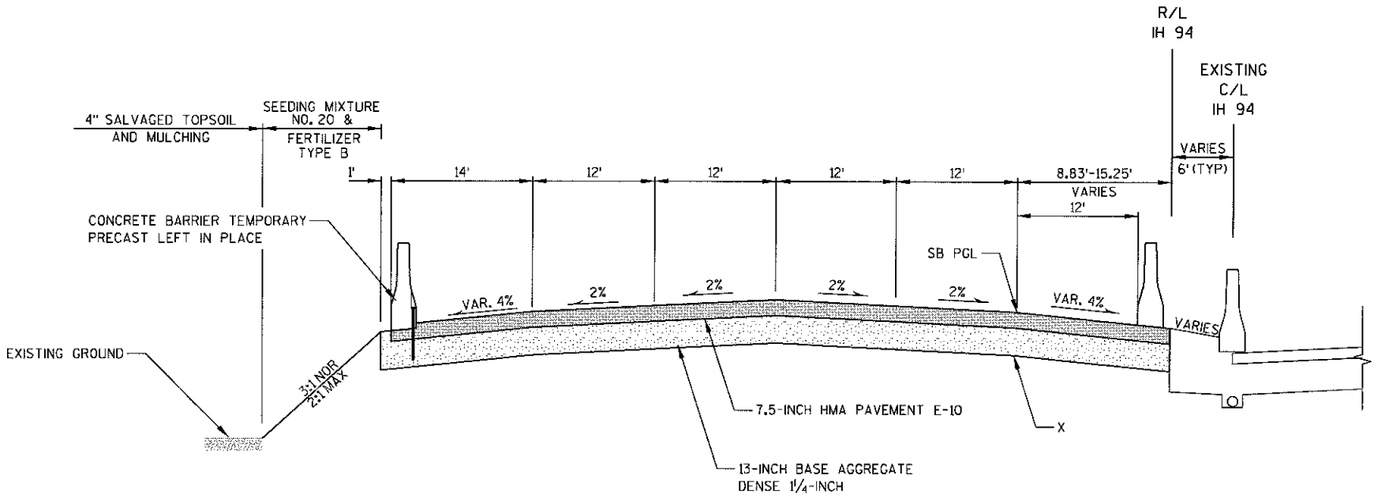
SCISSOR RAMP AREAS
CURB AND GUTTER BOTH SIDES
STA 1145SE+00 TO 1146SE+80
STA 1168NE+64 TO 1169NE+38
STA 1173NW+15 TO 1174NW+07
STA 1154SW+95 TO 1155SW+77



TYPICAL EXISTING SECTION
RAMPS

BETWEEN MAINLINE AND SCISSOR RAMP AREAS
CURB AND GUTTER ONE SIDE
STA 1139SE+52 TO 1145SE+00 (REVERSE)
STA 1169NE+38 TO 1174NE+35 (REVERSE)
STA 1174NW+07 TO 1175NW+20
STA 1152SW+55 TO 1154SW+95

2



TYPICAL FINISHED SECTION

IH 94 SOUTHBOUND

STA 1132+00.00 TO STA 1137+00.00

NOTE:

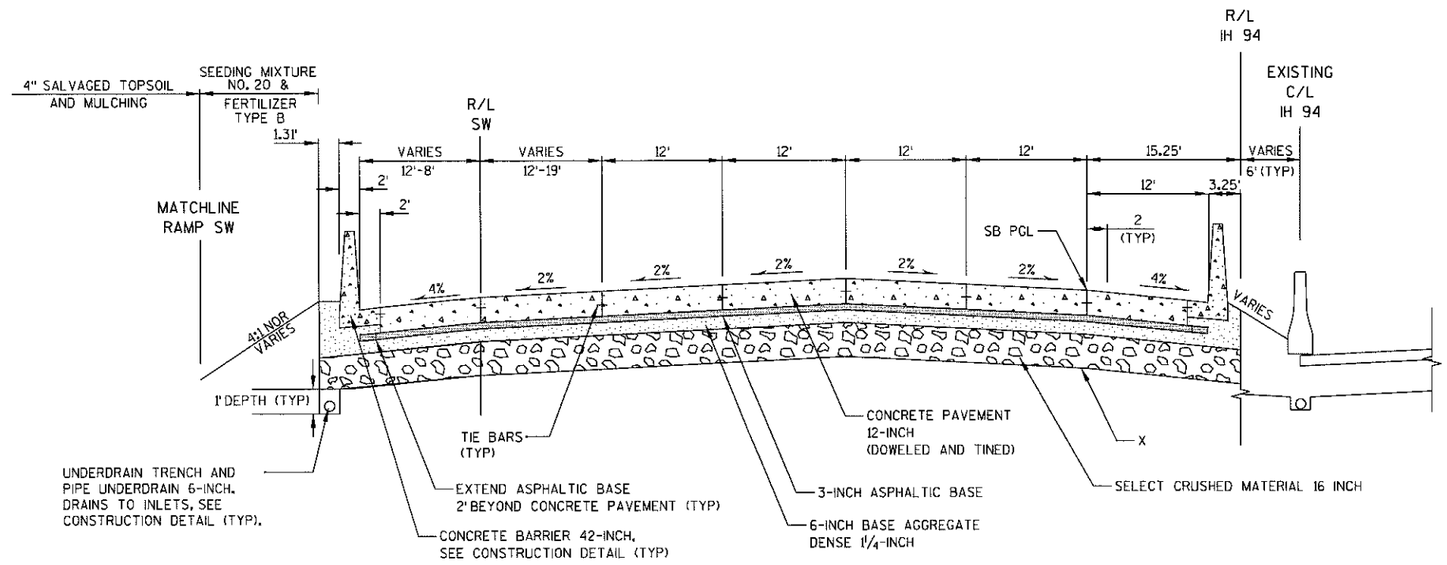
PGL = POINT REFERRED TO ON PROFILE
AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS SECTION

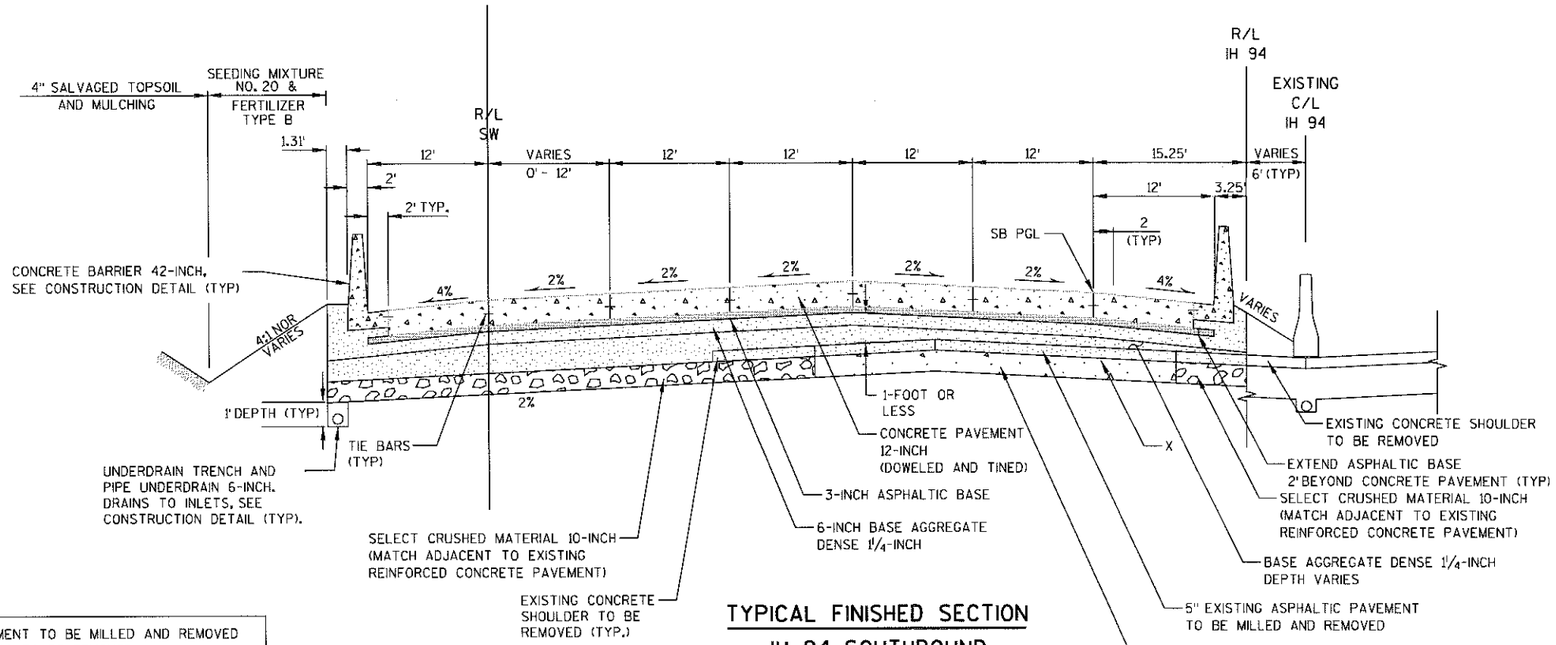
PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	TYPICAL SECTIONS	SHEET 8	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\020302_ts.dgn PLOT DATE : 28-JAN-2009 13:13 PLOT BY : mscdis PLOT NAME : 020302_ts PLOT SCALE : 15:1

WISDOT/CADDS SHEET 42



TYPICAL FINISHED SECTION
IH 94 SOUTHBOUND
STA 1145+00 TO STA 1149+36



TYPICAL FINISHED SECTION
IH 94 SOUTHBOUND
STA 1137+00 TO STA 1145+00

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

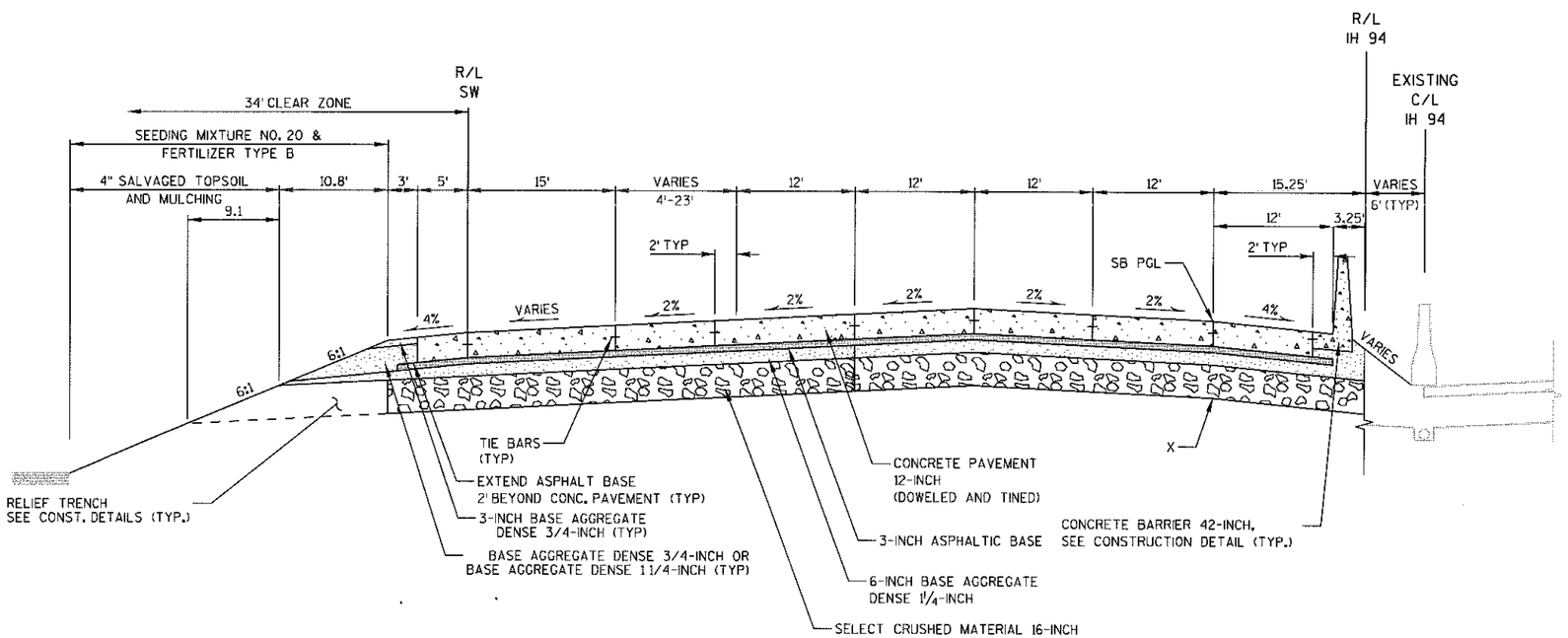
NOTE:

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS SECTION

SLOPE OF SUBGRADE TO BE PARALLEL TO PAVEMENT

2



TYPICAL FINISHED SECTION

IH 94 SOUTHBOUND

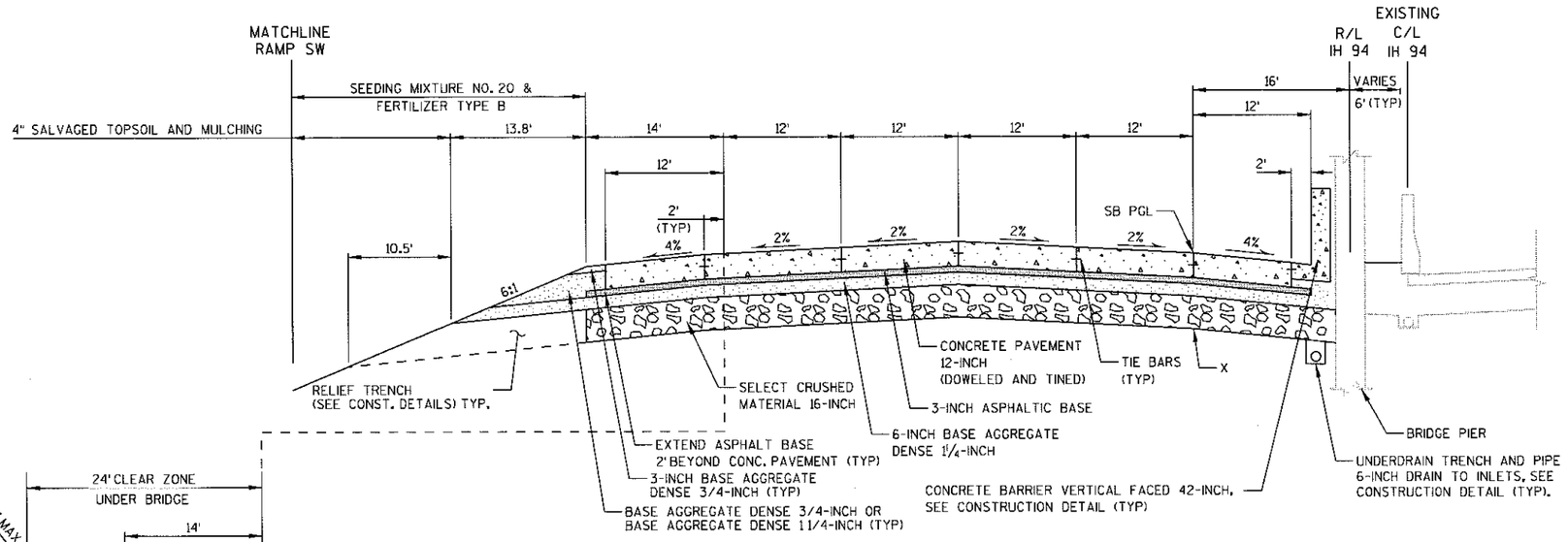
STA 1149+36 TO 1151+94

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

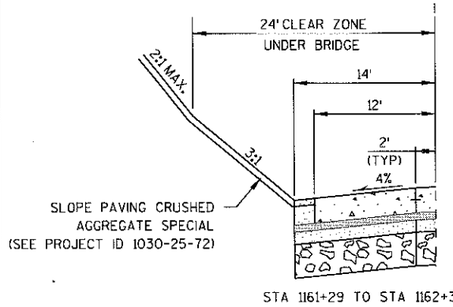
NOTE:

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

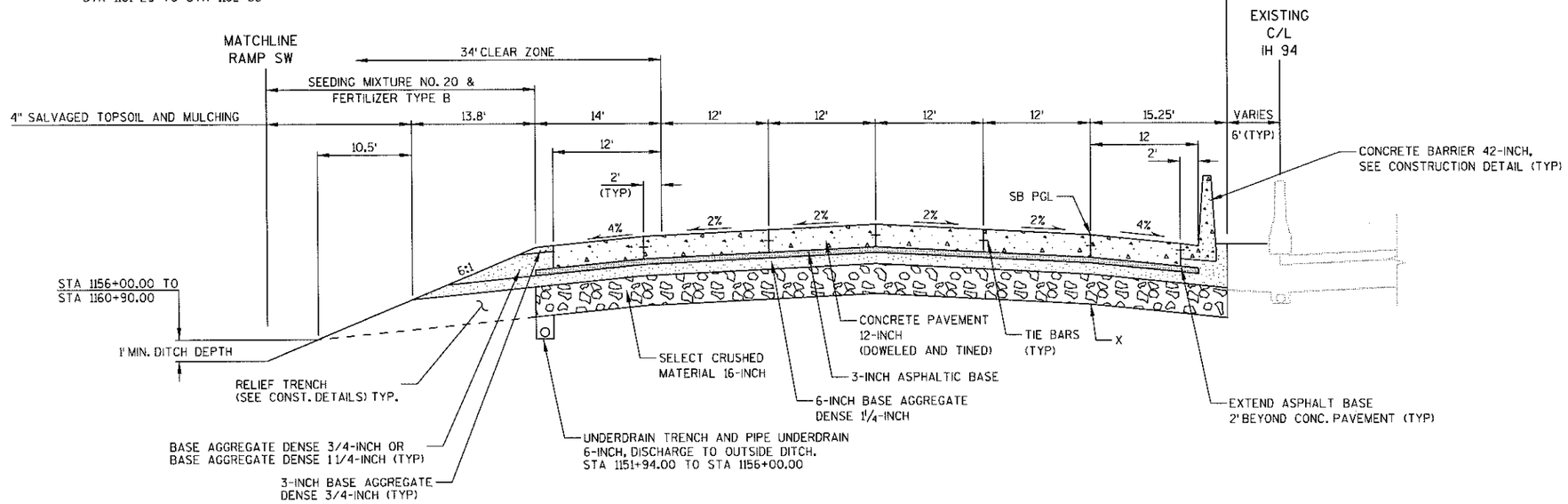
PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	TYPICAL SECTIONS	SHEET 10	E



TYPICAL FINISHED SECTION
IH 94 SOUTHBOUND
STA 1160+90 TO 1162+74



STA 1161+29 TO STA 1162+35



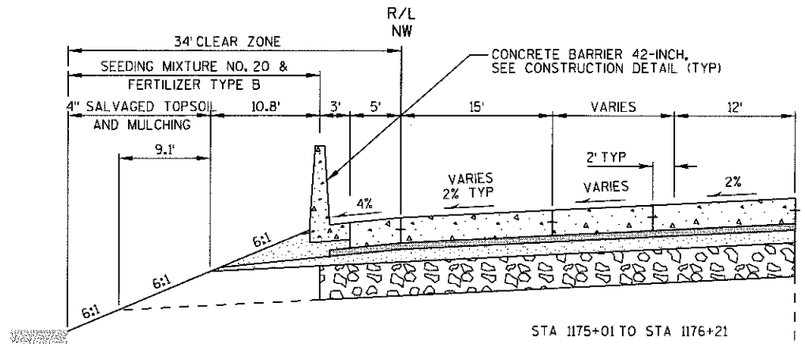
TYPICAL FINISHED SECTION
IH 94 SOUTHBOUND
STA 1151+94 TO STA 1160+90

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

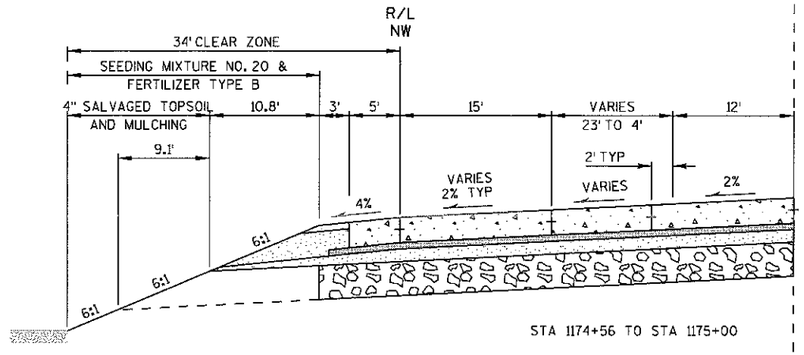
NOTE:

PGL = POINT REFERRED TO ON PROFILE
AND PIVOT POINT FOR SUPERELEVATION

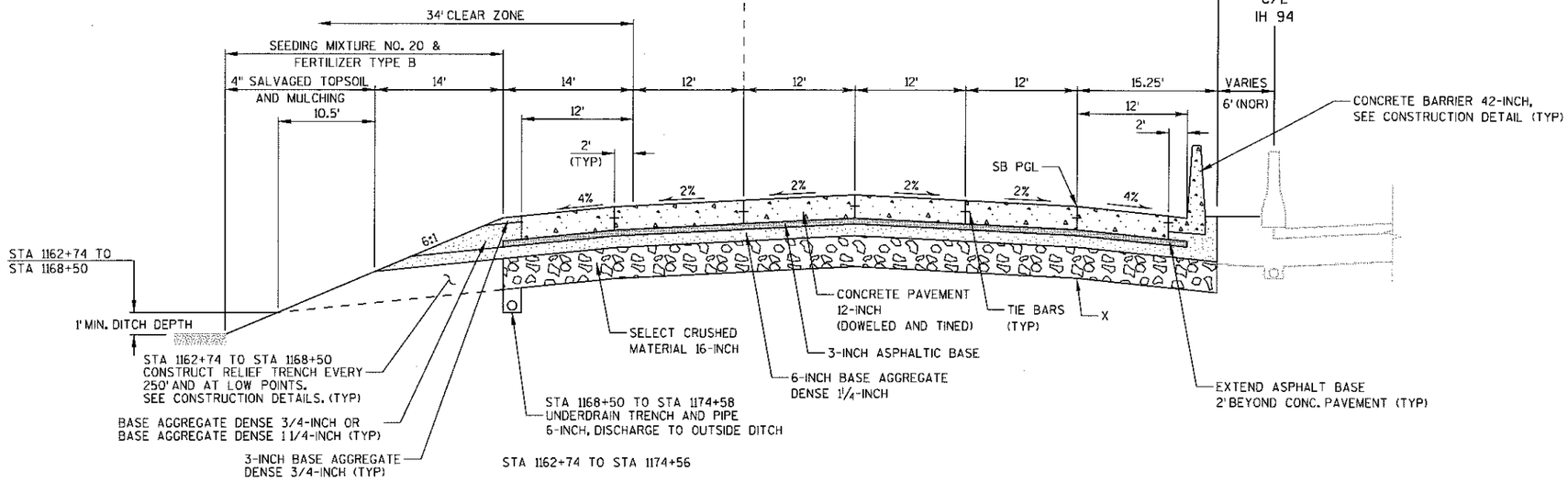
X = POINT REFERRED TO ON CROSS SECTION



STA 1175+01 TO STA 1176+21



STA 1174+56 TO STA 1175+00



STA 1162+74 TO STA 1174+56

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

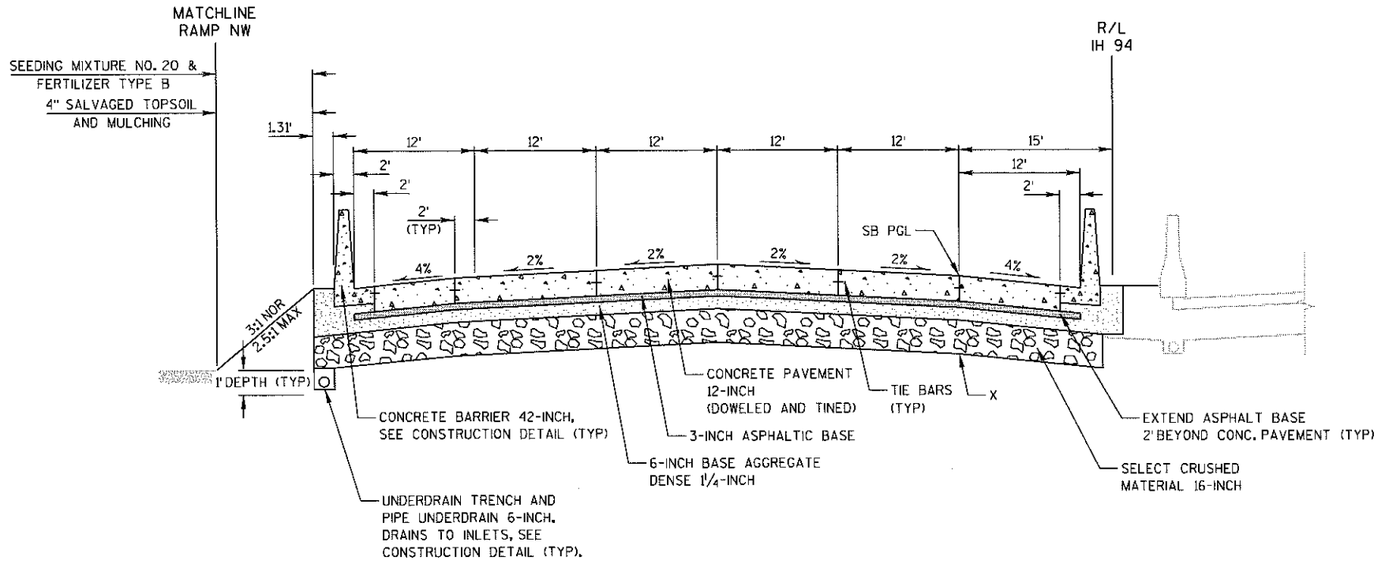
IH 94 SOUTHBOUND

STA 1162+74 TO 1176+21

NOTE:

PGL = POINT REFERRED TO ON PROFILE
AND PIVOT POINT FOR SUPERELEVATION

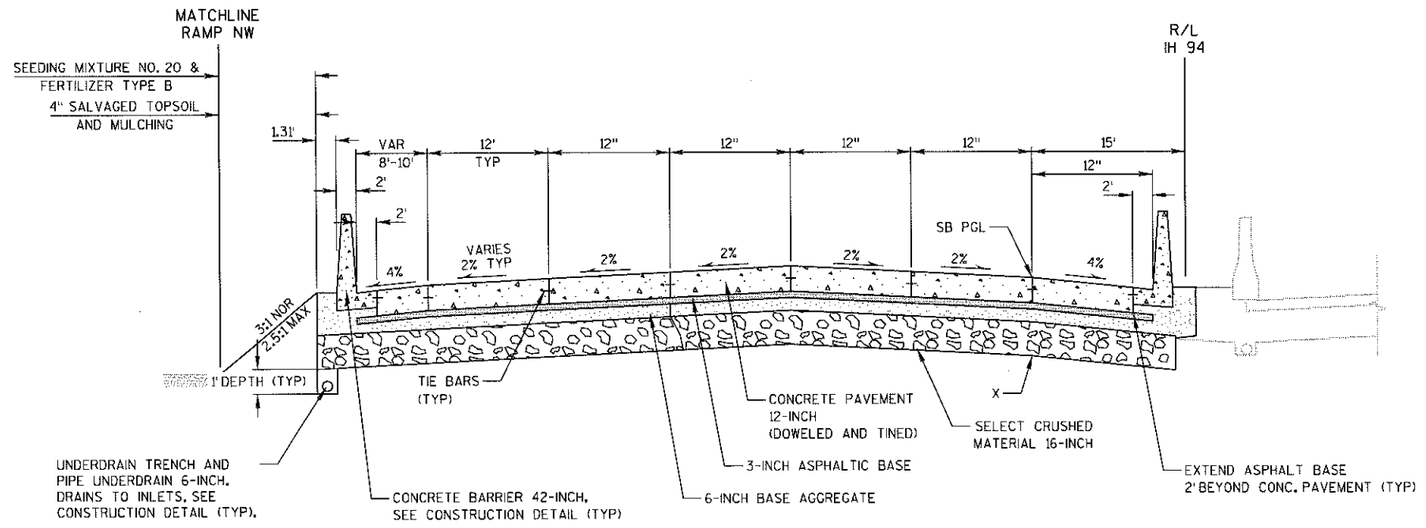
X = POINT REFERRED TO ON CROSS SECTION



TYPICAL FINISHED SECTION

IH 94 SOUTHBOUND

STA 1185+38 TO STA 1188+00



TYPICAL FINISHED SECTION

IH 94 SOUTHBOUND

STA 1176+21 TO STA 1185+38

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

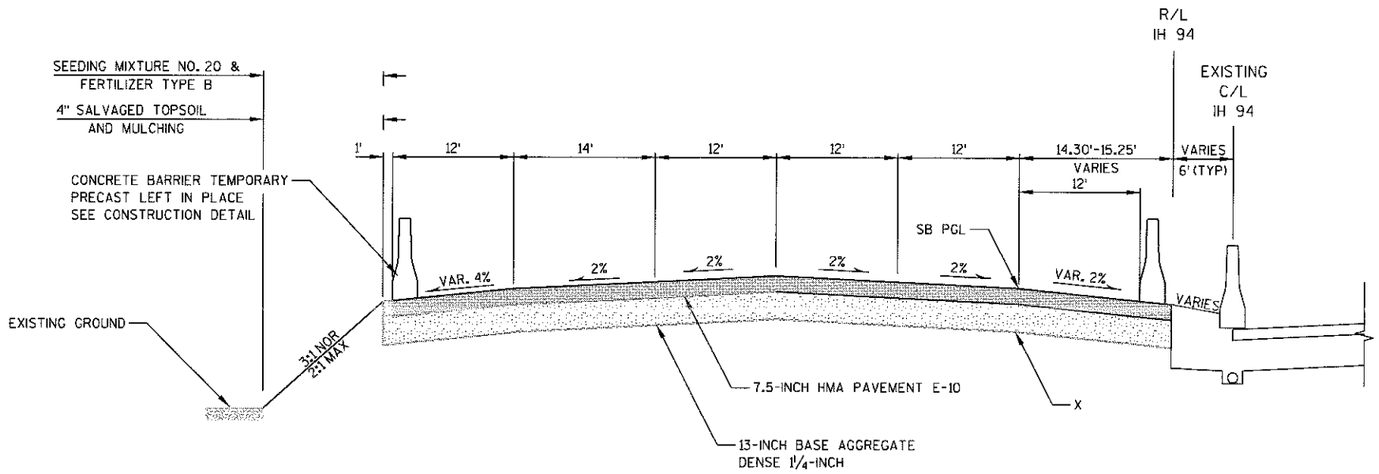
NOTE:

PGL = POINT REFERRED TO ON PROFILE
AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS SECTION

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	TYPICAL SECTIONS	SHEET 13	E

2



TYPICAL FINISHED SECTION

IH 94 SOUTHBOUND

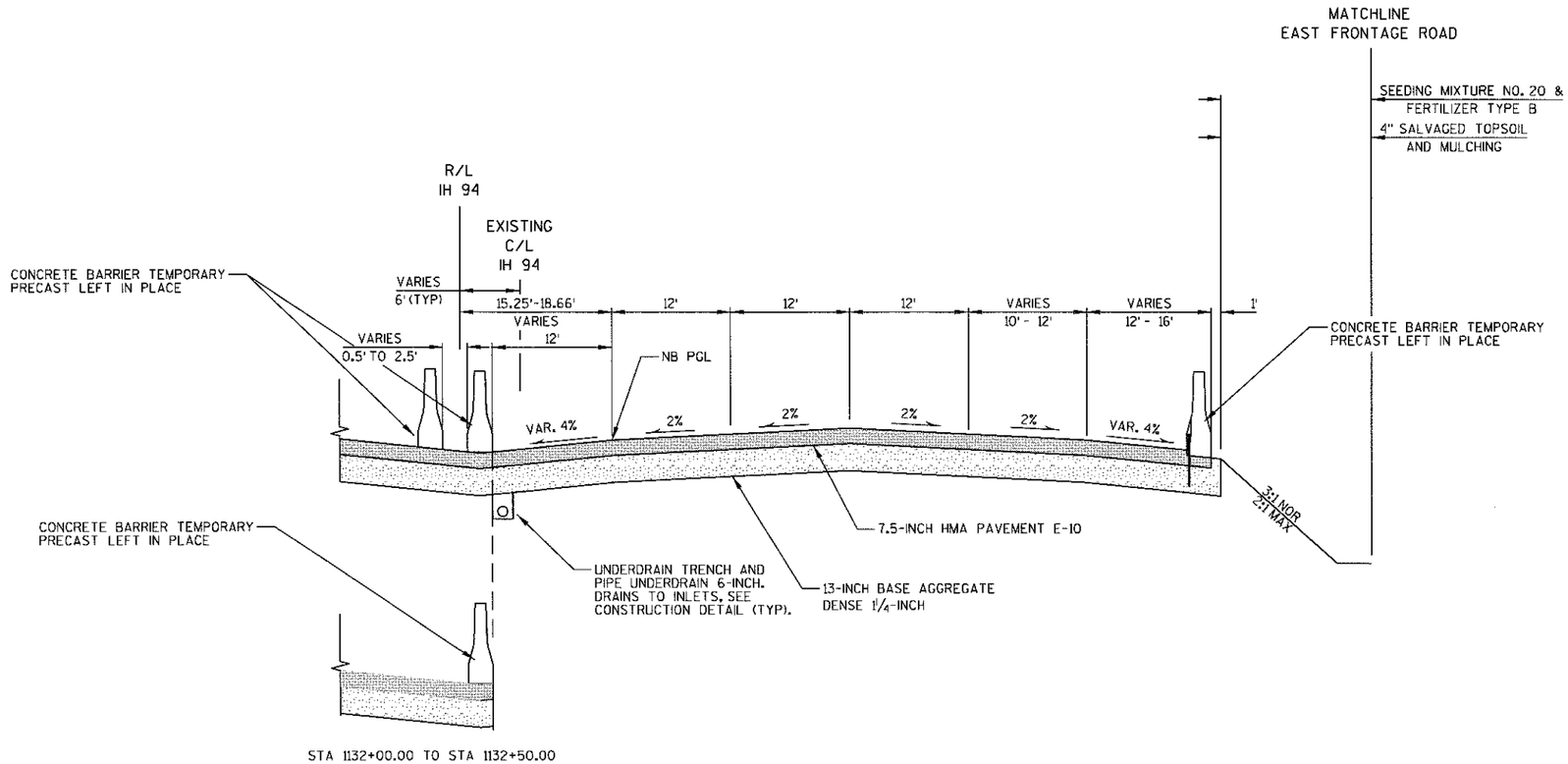
STA 1188+00.00 TO STA 1188+85.00

NOTE:

PGL = POINT REFERRED TO ON PROFILE
AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS SECTION

2



STA 1132+00.00 TO STA 1132+50.00

TYPICAL FINISHED SECTION

IH 94 NORTHBOUND

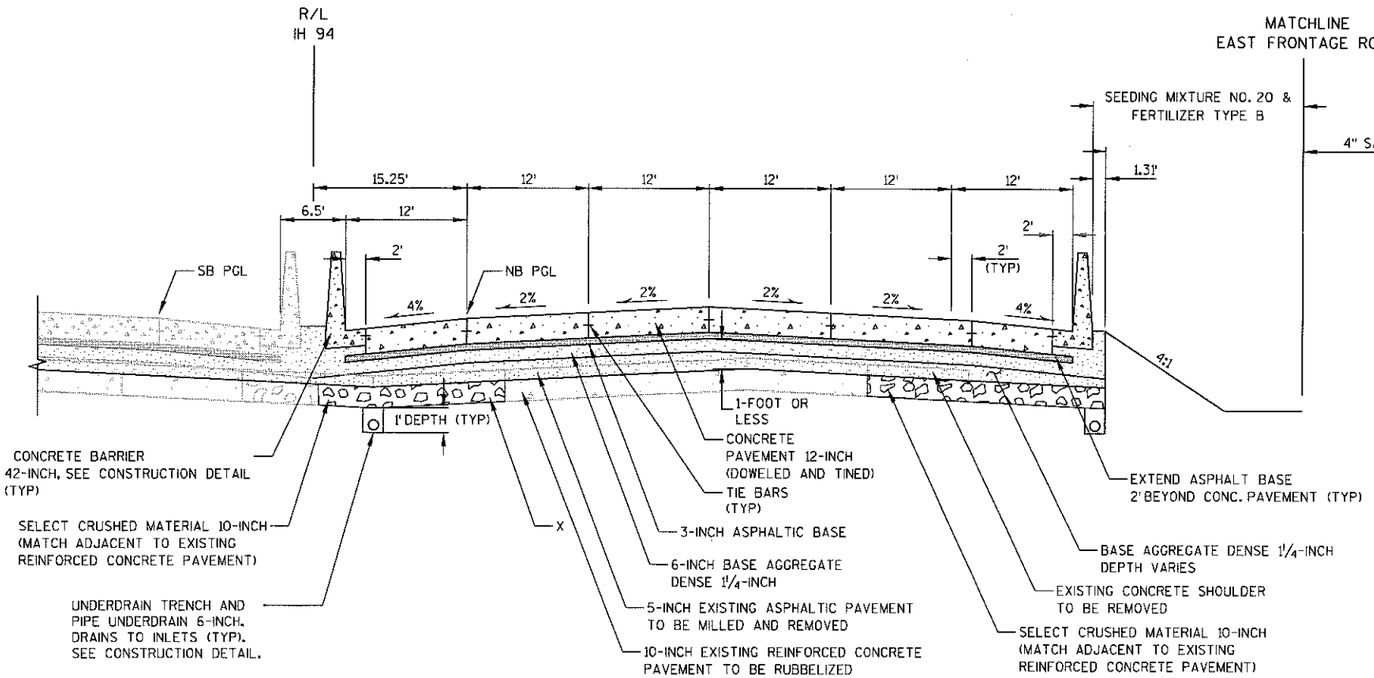
STA 1132+00.00 TO STA 1137+00.00

NOTE:

PGL = POINT REFERRED TO ON PROFILE
AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS SECTION

2



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

TYPICAL FINISHED SECTION

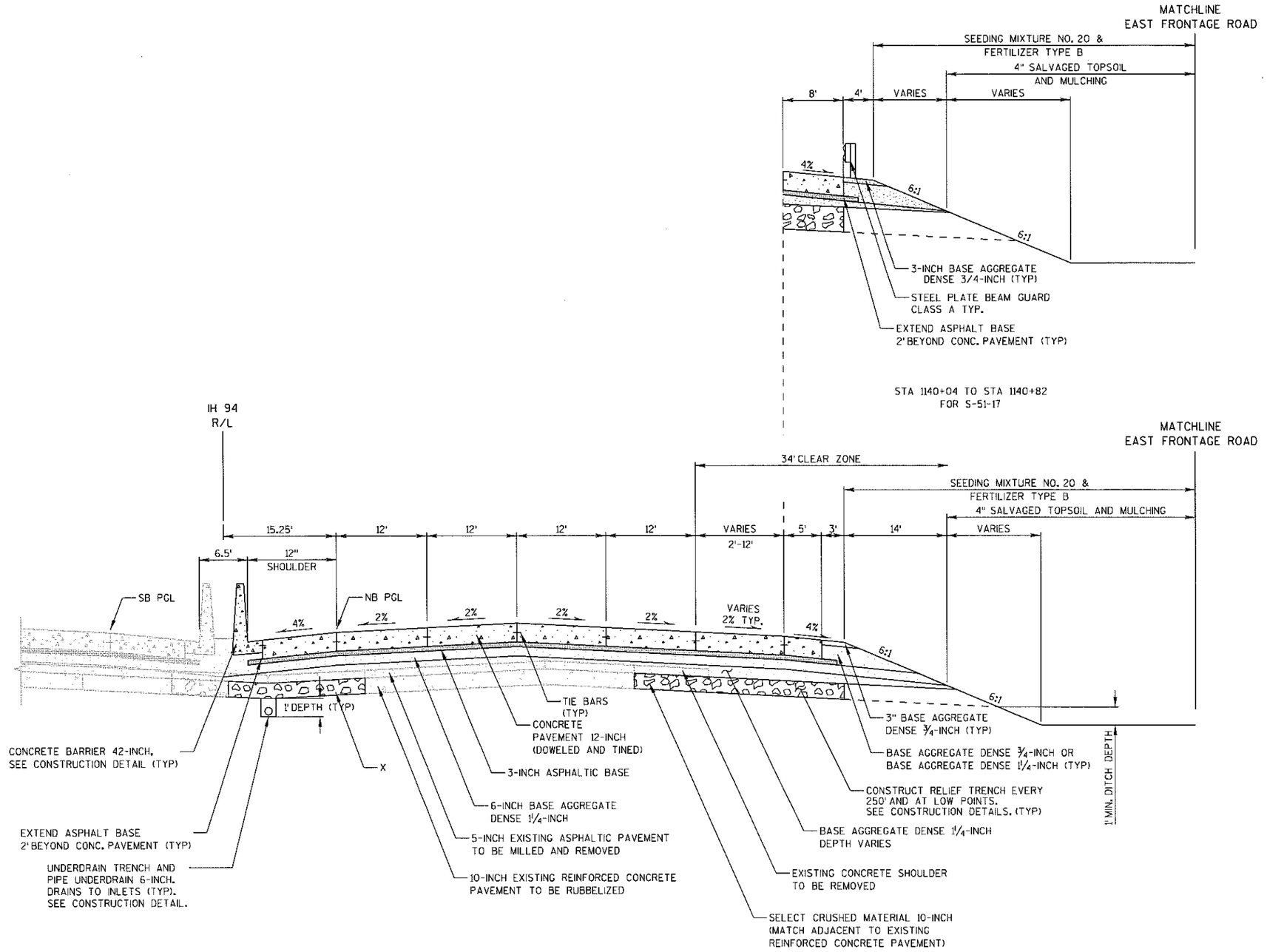
IH 94 NORTHBOUND

STA 1137+00 TO STA 1138+27

NOTE:

PGL = POINT REFERRED TO ON PROFILE
AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS SECTION



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

TYPICAL FINISHED SECTION

IH 94 NORTHBOUND

STA 1138+27 TO STA 1145+52

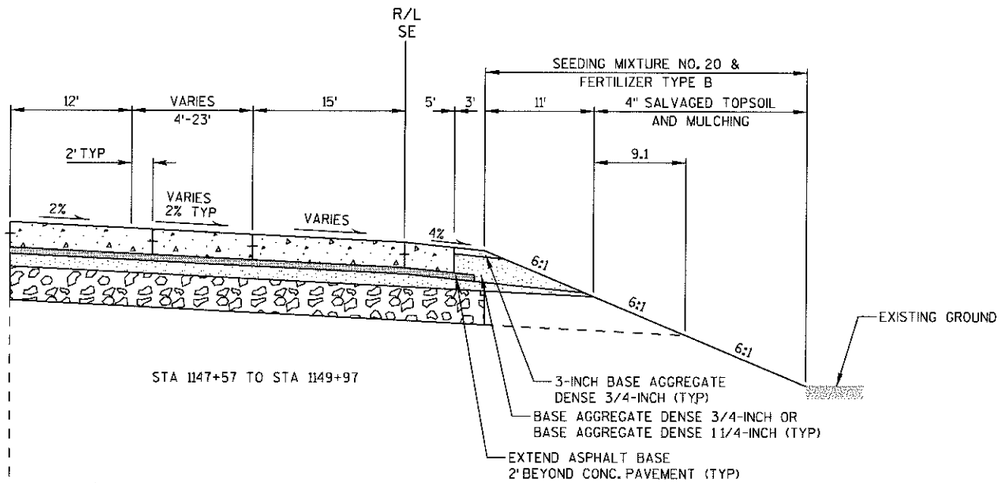
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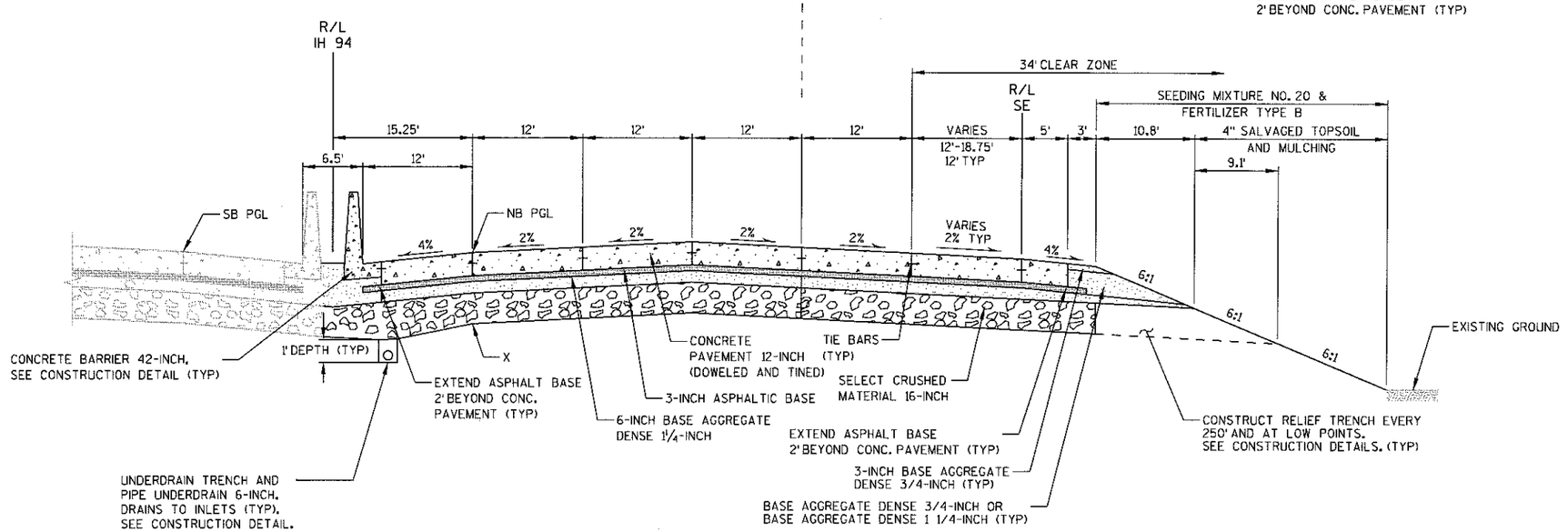
PGL = POINT REFERRED TO ON PROFILE
AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS SECTION

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	TYPICAL SECTIONS	SHEET 17	E

2





STA 1145+52 TO STA 1147+57

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

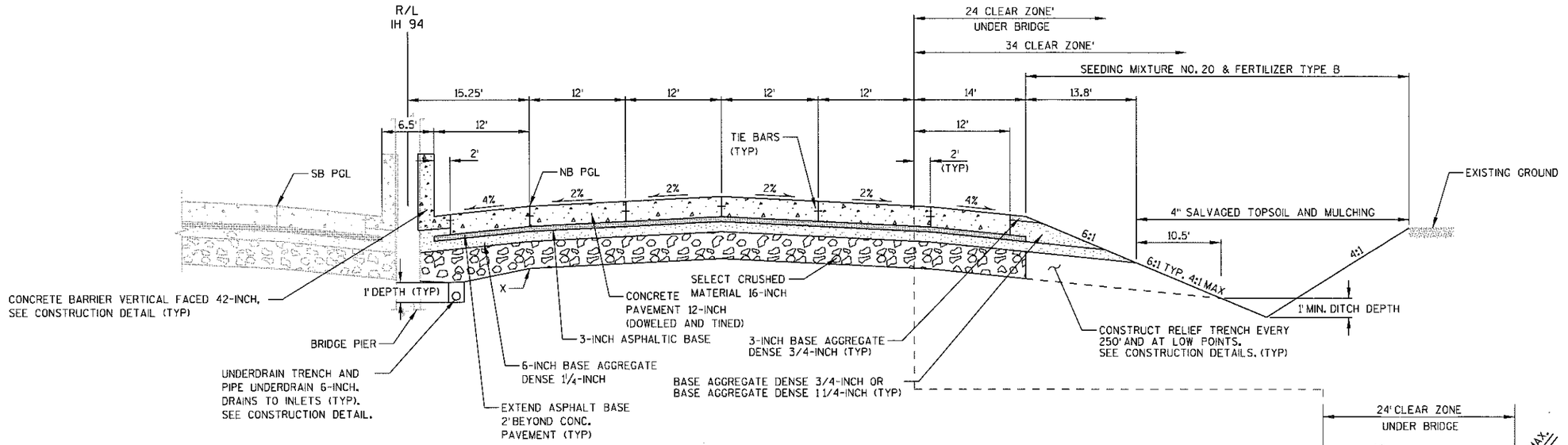
IH 94 NORTHBOUND

STA 1145+52 TO STA 1149+97

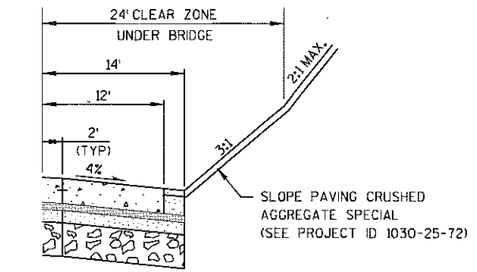
NOTE:

PGL = POINT REFERRED TO ON PROFILE
AND PIVOT POINT FOR SUPERELEVATION

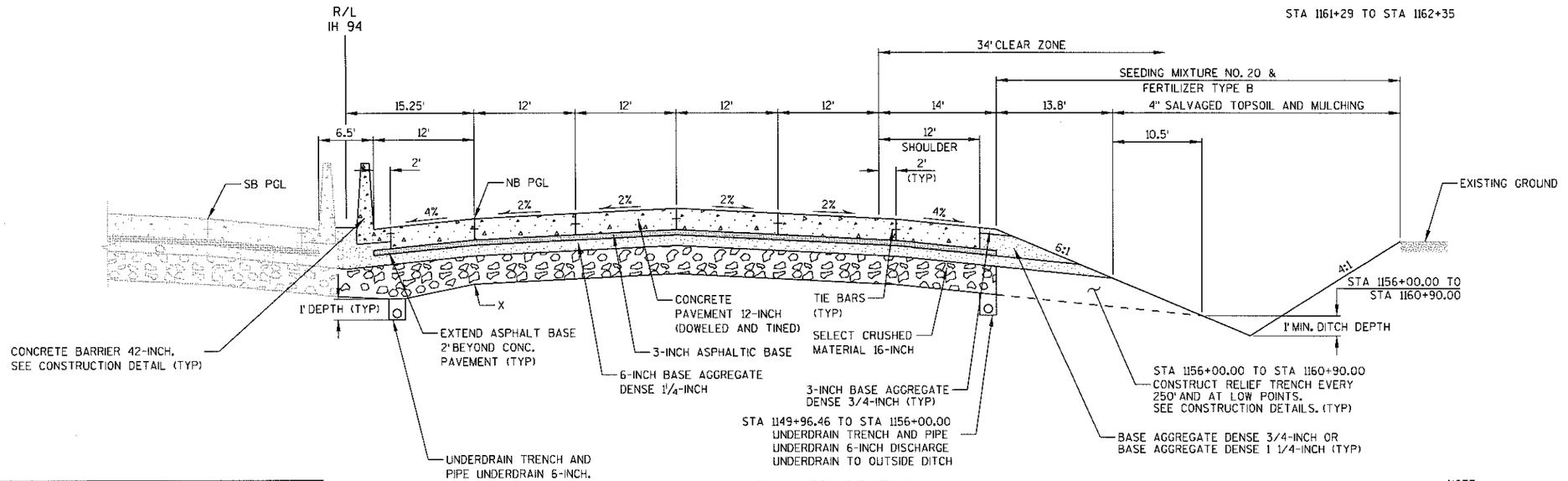
X = POINT REFERRED TO ON CROSS SECTION



TYPICAL FINISHED SECTION
IH 94 NORTHBOUND
STA 1160+90 TO 1162+74



STA 1161+29 TO STA 1162+35



TYPICAL FINISHED SECTION
IH 94 NORTHBOUND
STA 1149+97 TO STA 1160+90

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

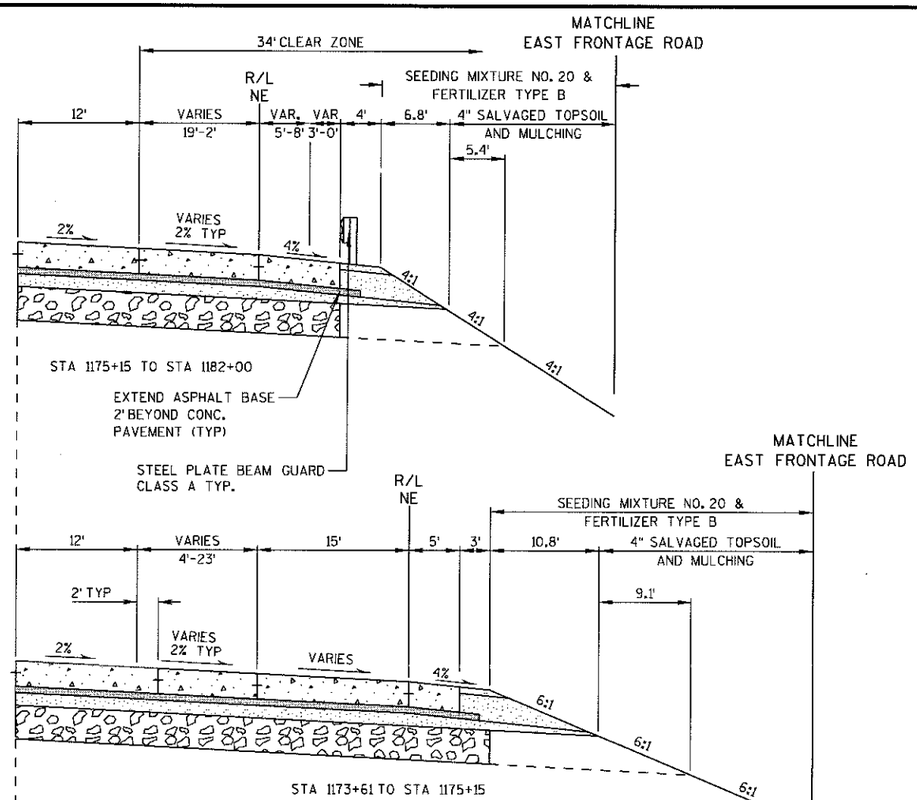
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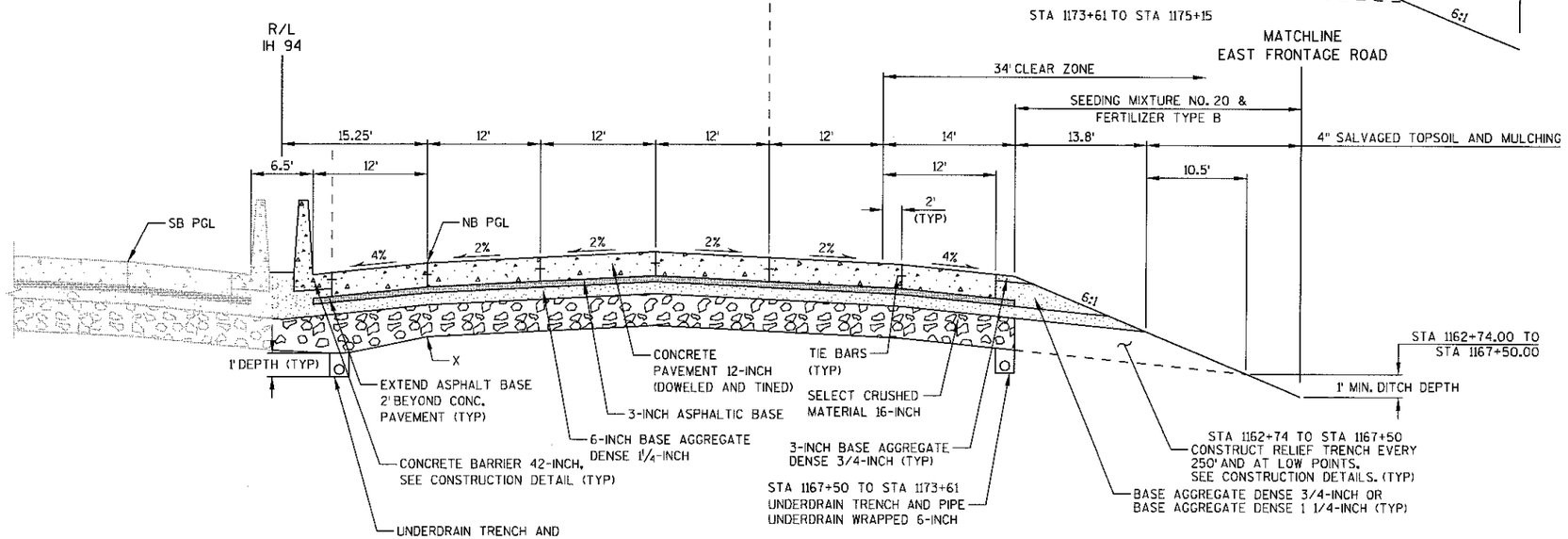
PGL = POINT REFERRED TO ON PROFILE
AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS SECTION

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	TYPICAL SECTIONS	SHEET 19	E

2





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

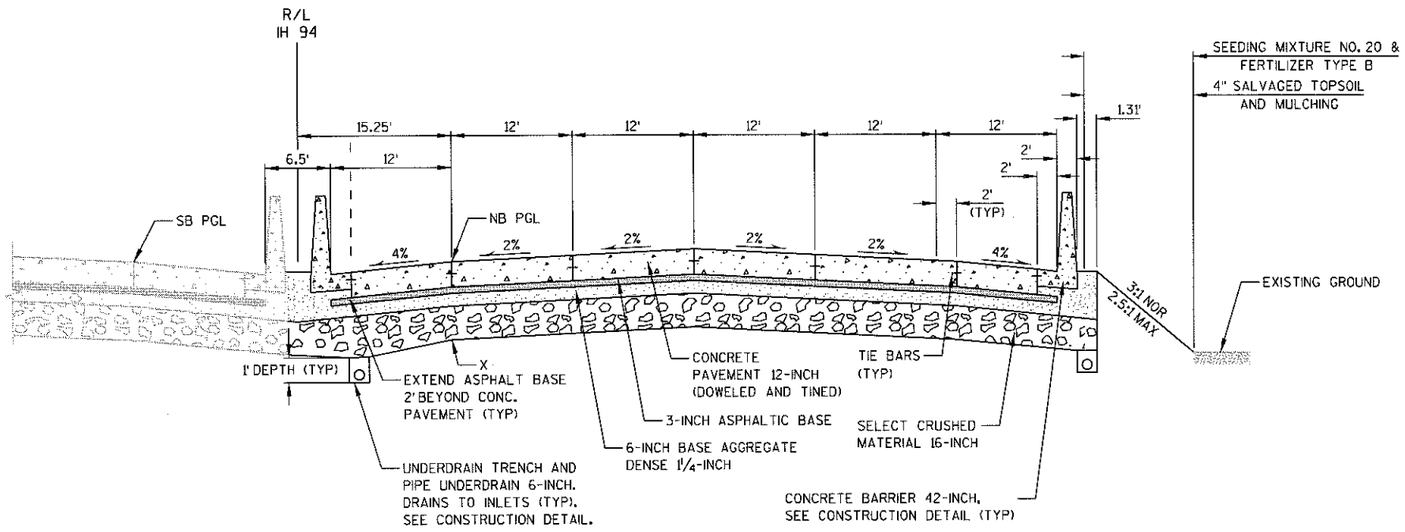
IH 94 NORTHBOUND

STA 1162+74 TO STA 1182+00

NOTE:

PGL = POINT REFERRED TO ON PROFILE
AND PIVOT POINT FOR SUPERELEVATION

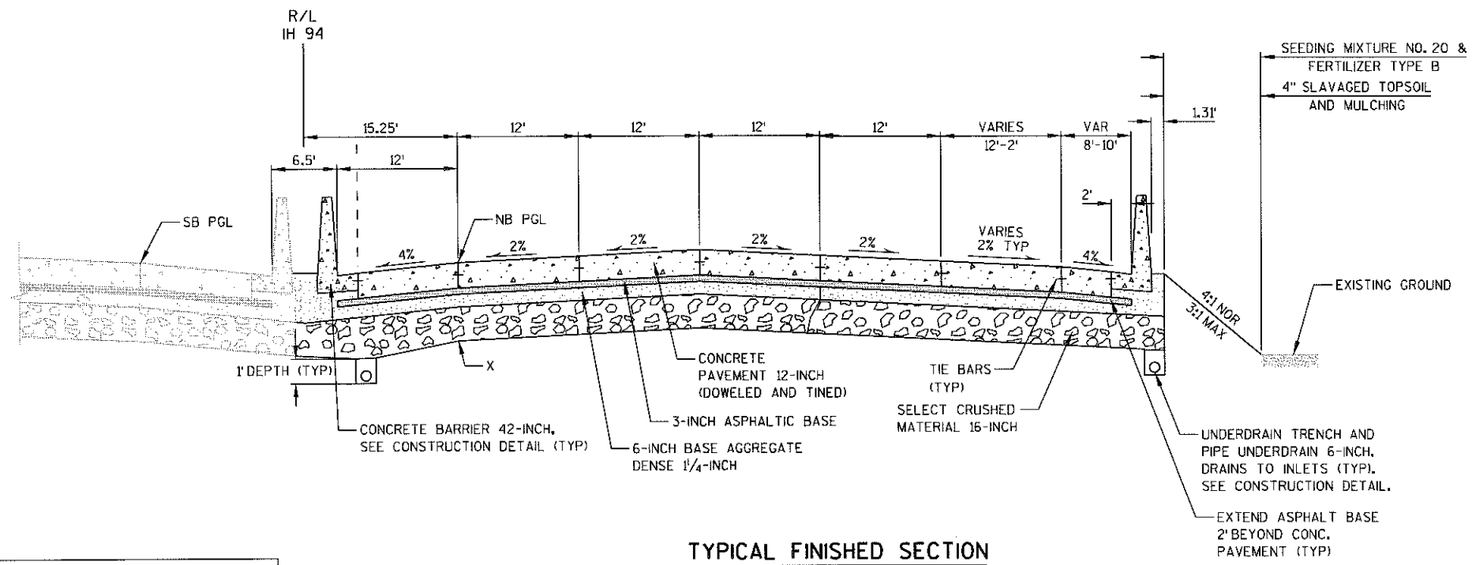
X = POINT REFERRED TO ON CROSS SECTION



TYPICAL FINISHED SECTION

IH 94 NORTHBOUND

STA 1186+13 TO STA 1188+00



TYPICAL FINISHED SECTION

IH 94 NORTHBOUND

STA 1182+00 TO STA 1186+14

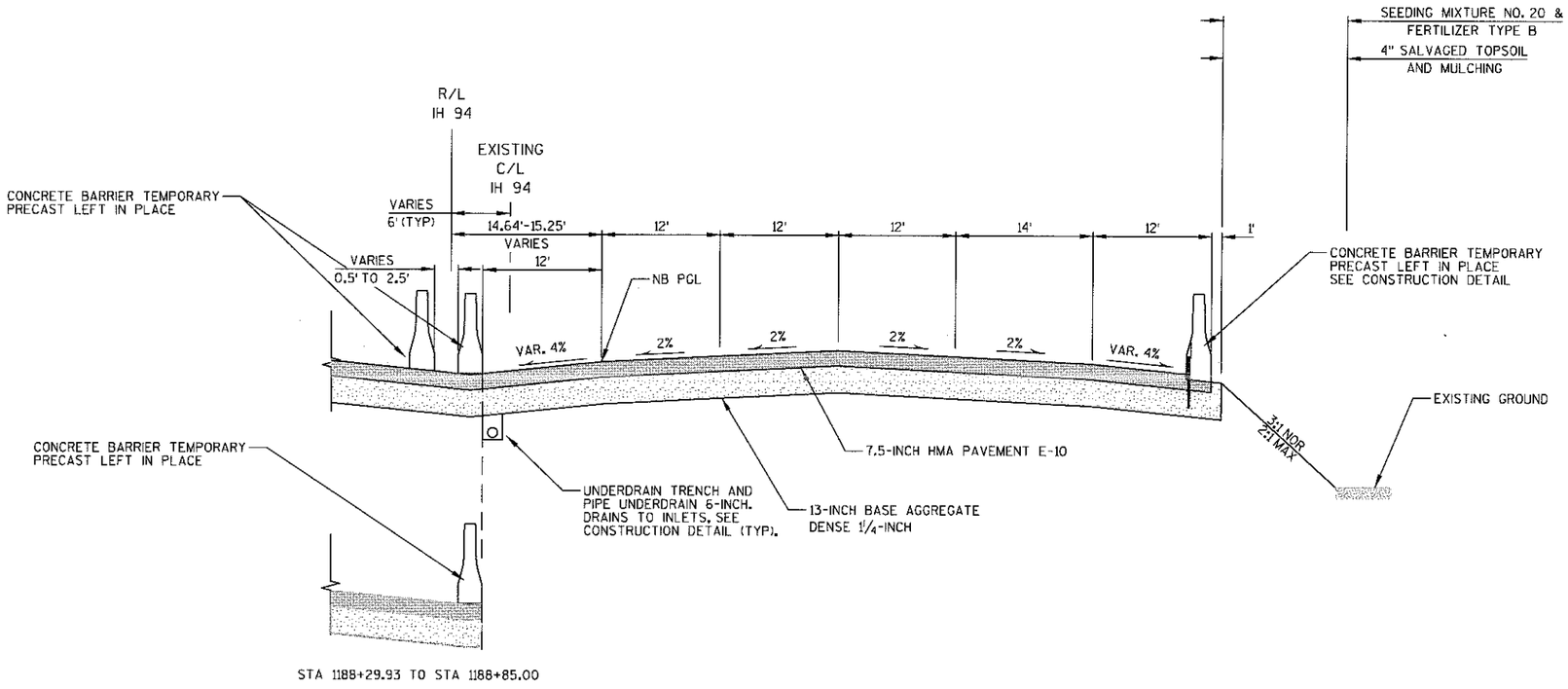
5" EXISTING ASPHALTIC PAVEMENT TO BE MILLED AND REMOVED
10" EXISTING REINFORCED CONCRETE PAVEMENT TO BE REMOVED
EXISTING CONCRETE SHOULDERS TO BE REMOVED

NOTE:

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS SECTION

2



STA 1188+29.93 TO STA 1188+85.00

TYPICAL FINISHED SECTION

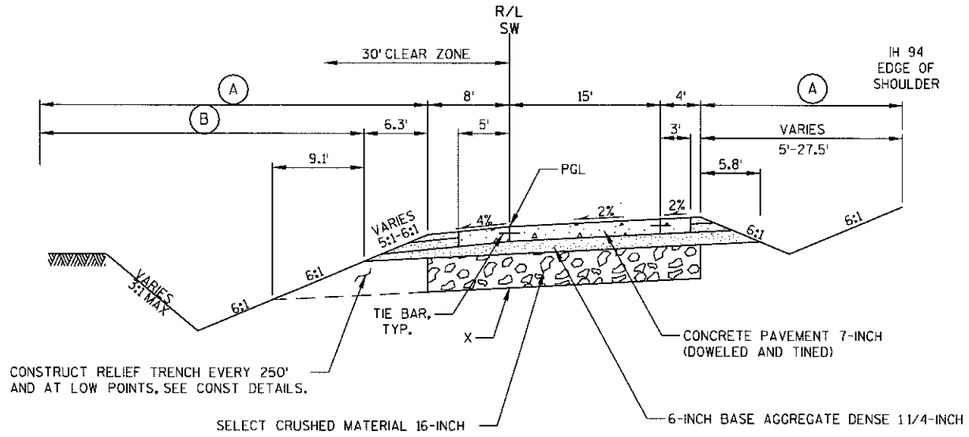
IH 94 NORTHBOUND

STA 1188+00.00 TO STA 1188+85.00

NOTE:

PGL = POINT REFERRED TO ON PROFILE
AND PIVOT POINT FOR SUPERELEVATION

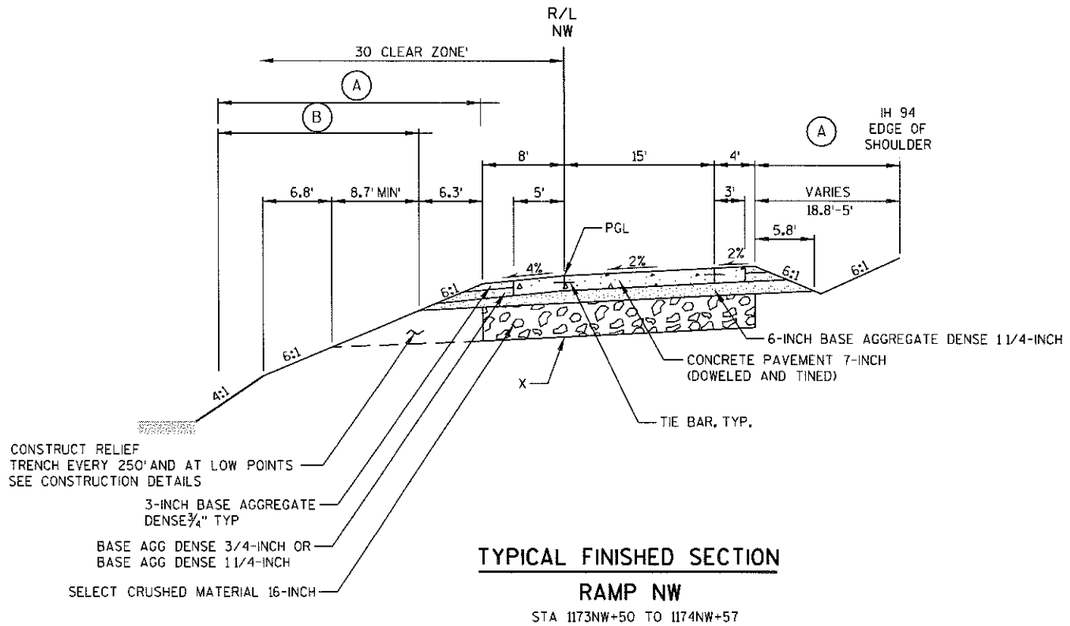
X = POINT REFERRED TO ON CROSS SECTION



TYPICAL FINISHED SECTION

RAMP SW

STA 1151SW+91 TO STA 1153SW+50



TYPICAL FINISHED SECTION

RAMP NW

STA 1173NW+50 TO 1174NW+57

LEGEND

(A) SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

(B) 4" SALVAGED TOPSOIL & MULCHING

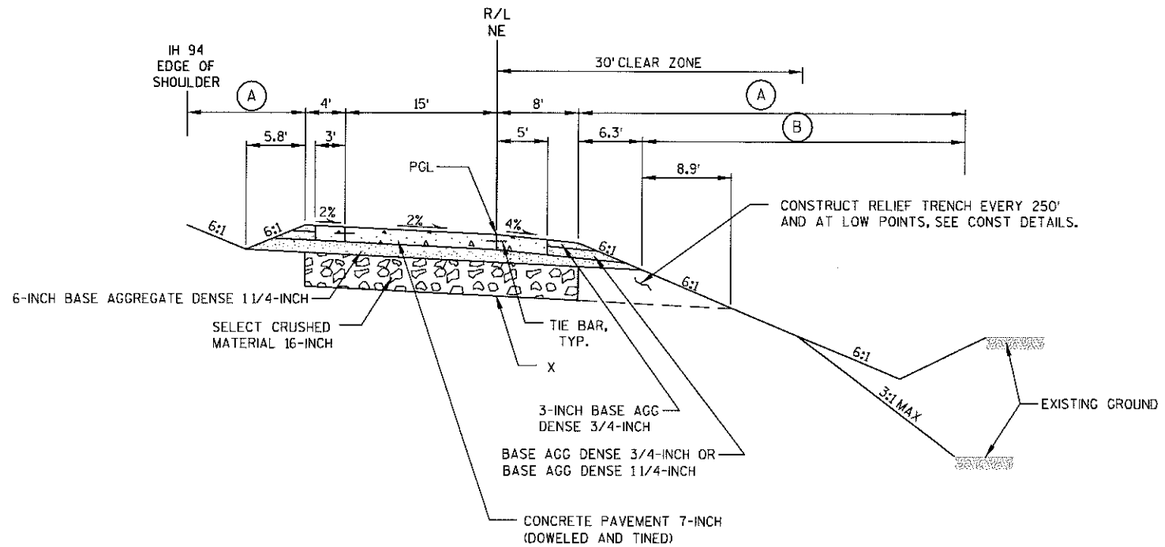
NOTE

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS SECTION

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	TYPICAL SECTIONS	SHEET 23	E

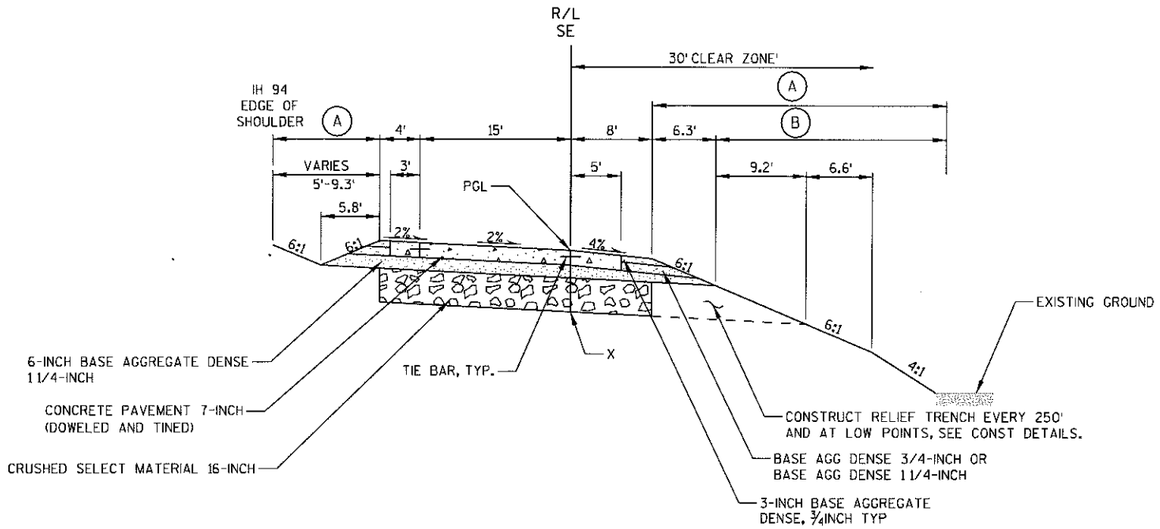
2



TYPICAL FINISHED SECTION

RAMP NE

STA 1172NE+50 TO STA 1173NE+63



TYPICAL FINISHED SECTION

RAMP SE

STA 1149SE+97 TO STA 1150SE+50

LEGEND

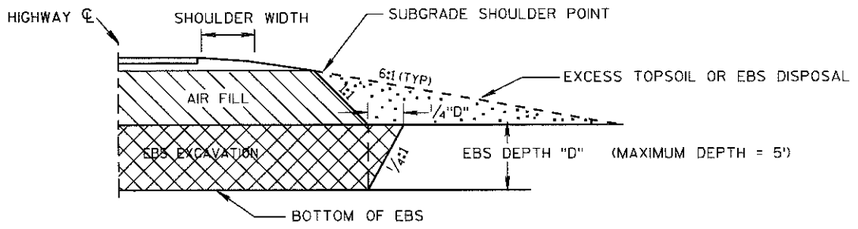
(A) SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

(B) 4" SALVAGED TOPSOIL & MULCHING

NOTE

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS SECTION

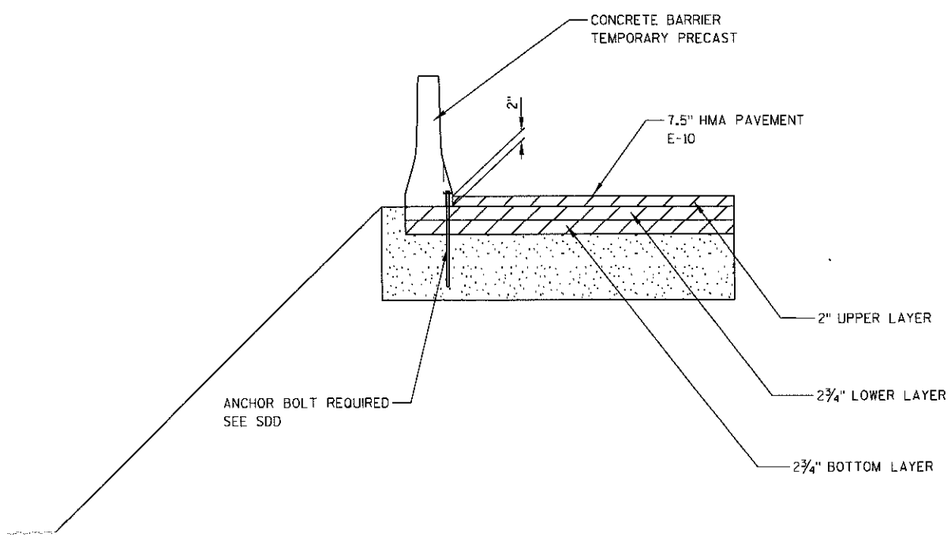


TYPICAL EBS EXCAVATION

NOTE:

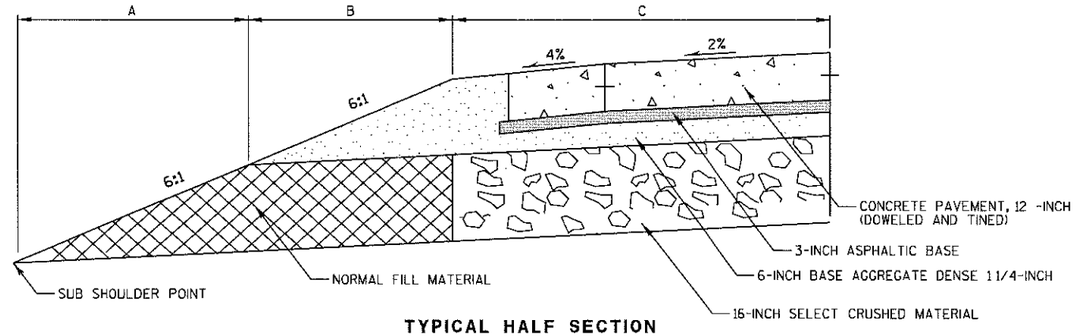
IF AIR FILL DEPTH IS GREATER THAN OR EQAUL TO 4-FEET BELOW SUBGRADE, THE EXCESS TOPSOIL CAN REMAIN.

EXCESS TOPSOIL SHALL BE TREATED AS EBS.

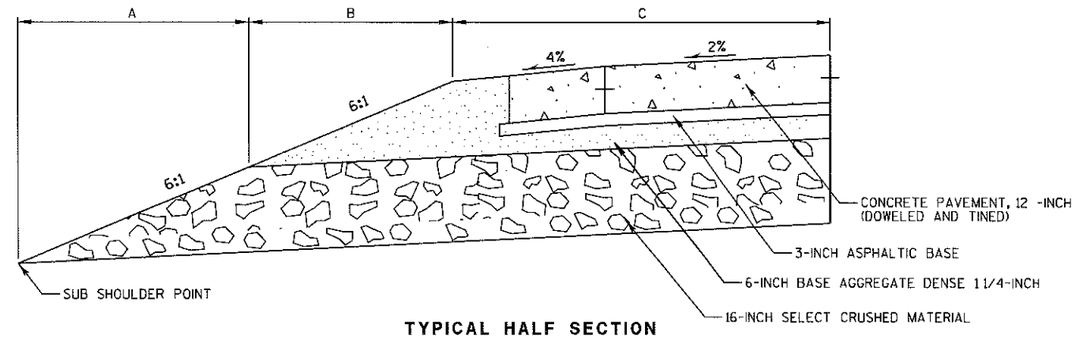


PAVING NOTCH AT CONCRETE BARRIER TEMPORARY PRECAST LEFT-IN-PLACE

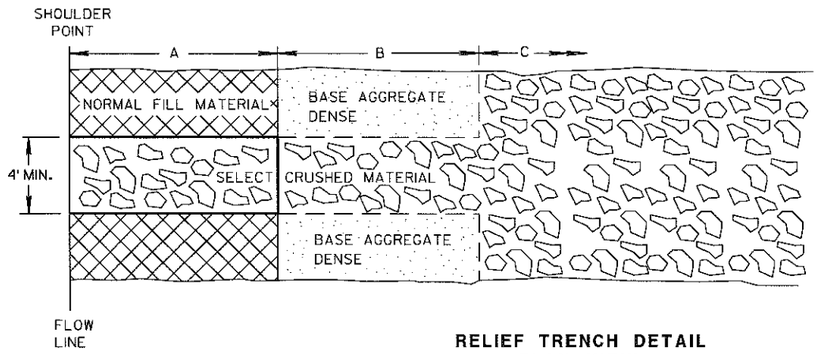
STATION 1188+00 TO STATION 1194+00 LEFT



TYPICAL HALF SECTION (WITHOUT RELIEF TRENCH)



TYPICAL HALF SECTION (WITH RELIEF TRENCH)

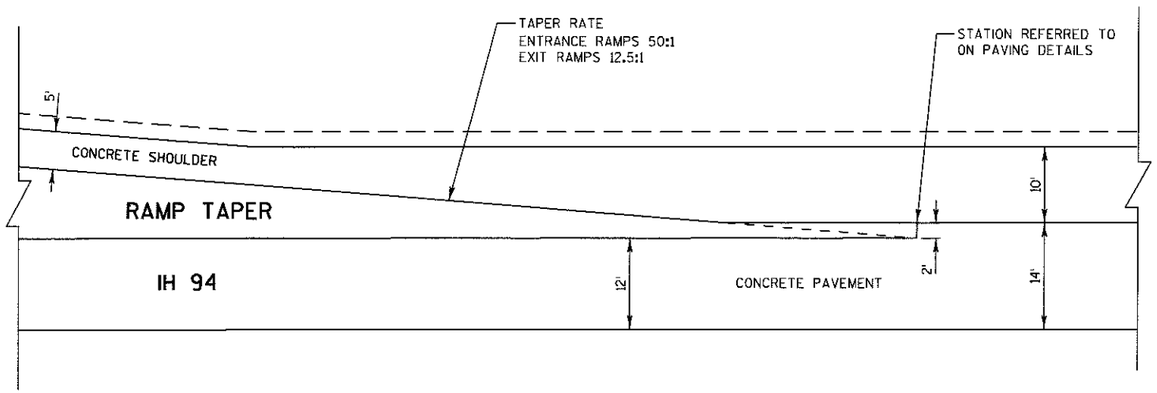


RELIEF TRENCH DETAIL PLAN VIEW

RELIEF TRENCH DETAIL

LOCATIONS NEEDED:

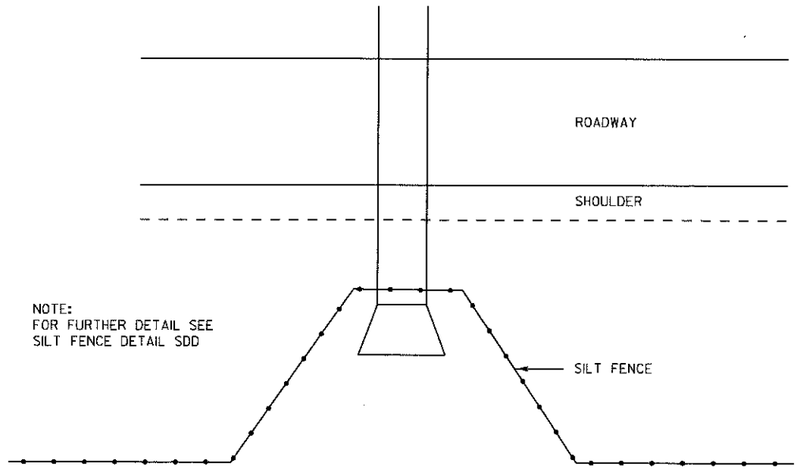
1138+50 RT
1141+00 RT
1143+50 RT
1146+00 RT
1148+50 RT
1151+00 LT & RT
1153+50 LT & RT
1156+00 LT & RT
1158+50 LT & RT
1161+00 LT & RT
1163+50 LT & RT
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1171+00 LT & RT
1173+50 LT & RT
1176+00 LT & RT
1178+50 RT
1181+23 RT



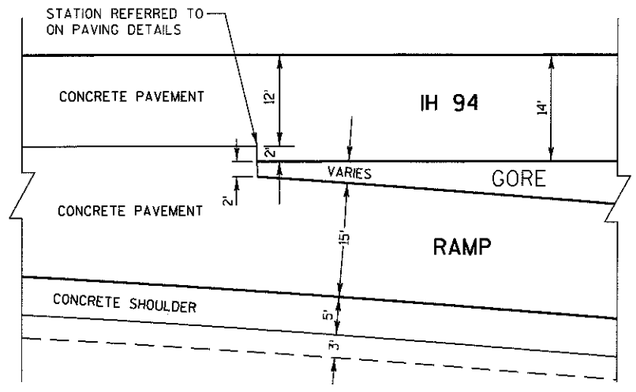
TAPER END LAYOUT FOR CONCRETE PAVEMENT

FOR ENTRANCE AND EXIT RAMP PAVEMENT NOTCH AT TAPER POINT

2

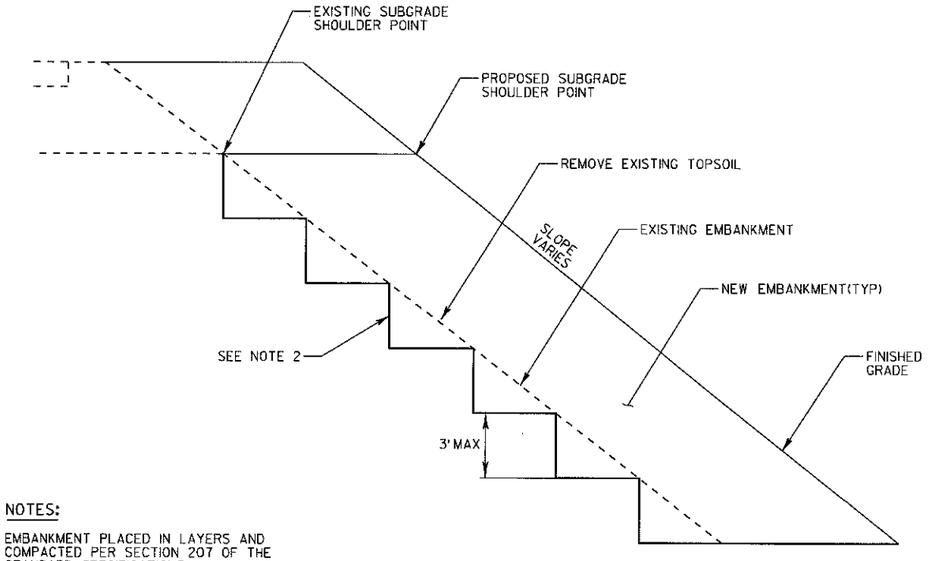


TYPICAL SILT FENCE DETAIL AT PIPE INLET



TAPER END LAYOUT FOR CONCRETE PAVEMENT

FOR ENTRANCE AND EXIT RAMP PAVEMENT NOTCH AT GORE



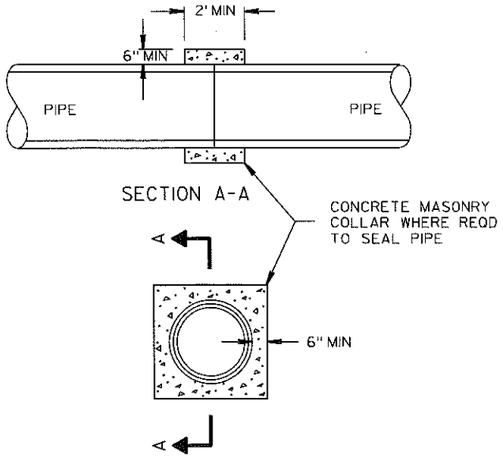
NOTES:

1) EMBANKMENT PLACED IN LAYERS AND COMPACTED PER SECTION 207 OF THE STANDARD SPECIFICATIONS

2) BENCH AS REQUIRED TO FACILITATE CONSTRUCTION OPERATIONS. (3' MAXIMUM BENCH DEPTH)

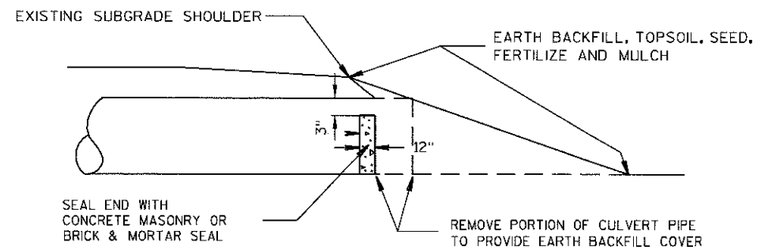
EMBANKMENT DETAIL

DETAIL APPLICABLE FOR EXISTING EMBANKMENT SLOPE 3:1 OR STEEPER

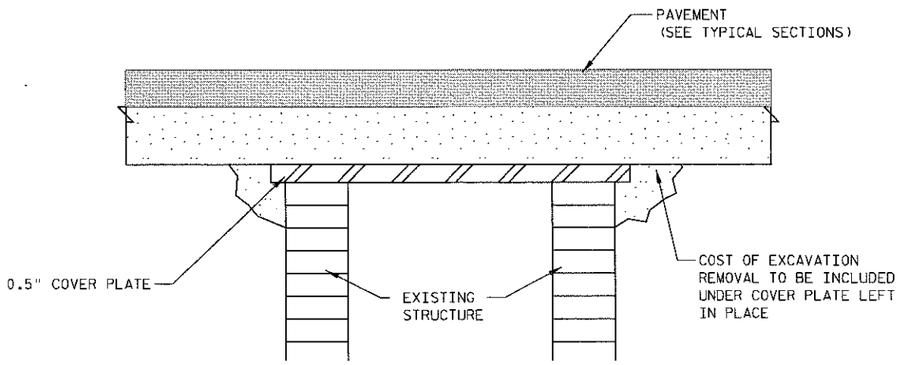


CONCRETE COLLAR DETAIL

SEE CROSS CULVERT TABLE FOR LOCATIONS



ABANDONING CULVERT PIPE DETAIL



NOTE:

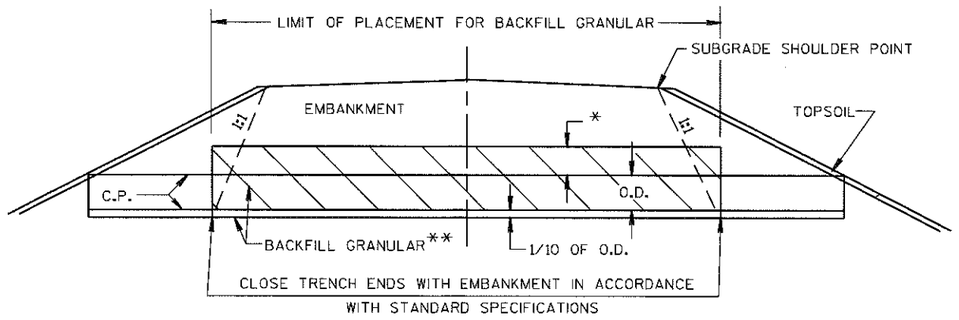
1) INSTALL COVER PLATE TO REST FLAT UPON THE EXISTING STRUCTURE. COVER PLATE SHOULD EXTEND OUTSIDE EDGE OF THE EXISTING MASONRY.

2) THE FOLLOWING ITEMS ARE INCIDENTAL TO ITEM COVER PLATE LEFT IN PLACE:

A. REMOVE INLET FRAME AND LID
B. REMOVE 2' MINIMUM CONCRETE BLOCK
C. FURNISH AND INSTALL COVER PLATE
D. BACKFILL USING BASE AGGREGATE DENSE 1¼"

COVER PLATE LEFT-IN-PLACE

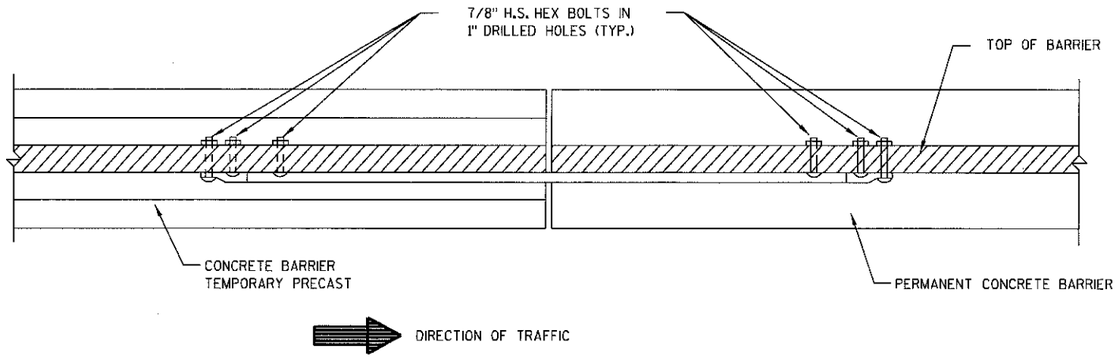
IH 94



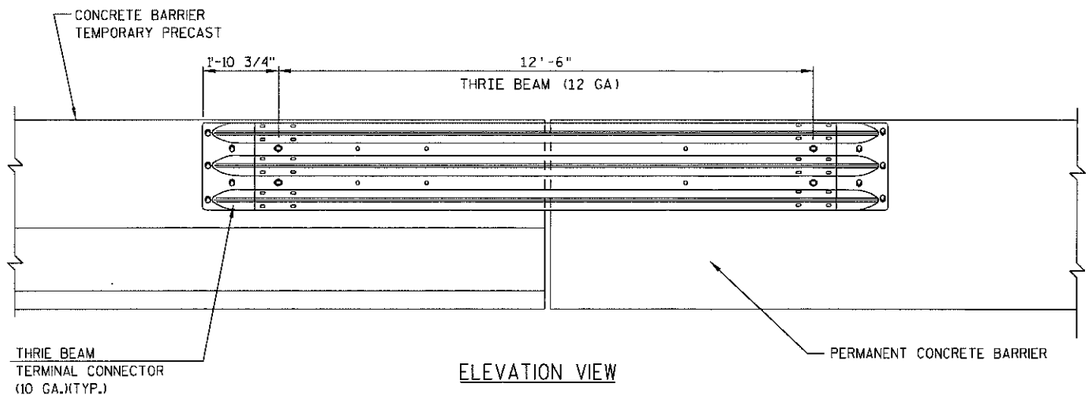
CULVERT BACKFILL DETAIL

OD = OUTSIDE DIAMETER
* CULVERT PIPE IN NEW EMBANKMENT = 1' MIN
* CULVERT PIPE IN EXISTING EMBANKMENT = TO EXISTING GROUND ELEVATION.

IF * IS OVER 6 FT USE BACKFILL CONTROLLED LOW STRENGTH, ABOVE BACKFILL GRANULAR
** INCIDENTAL TO CULVERT PIPE



PLAN VIEW

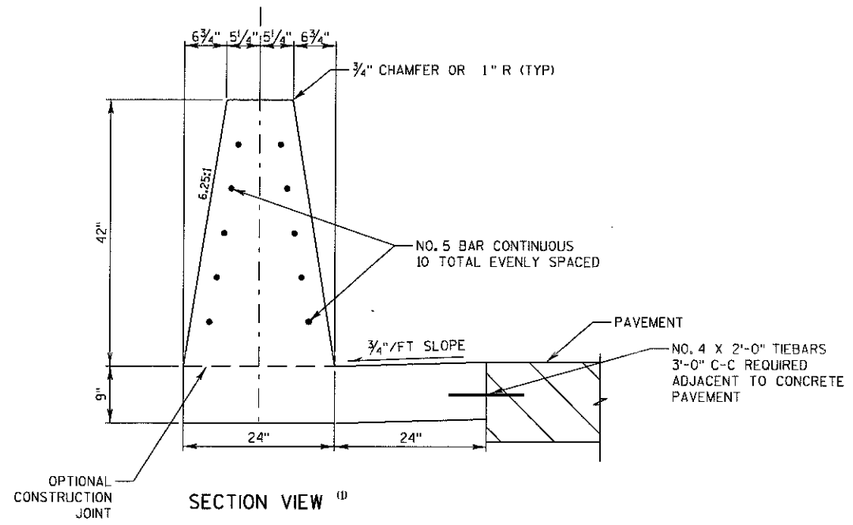


ELEVATION VIEW

NOTES

1) PAYMENT FOR DRILLING BOLT HOLES THRU THE CONCRETE BARRIER AND ALL BOLTS, NUTS AND WASHERS REQUIRED SHALL BE INCLUDED IN THE ITEM TEMPORARY THRIE BEAM CONNECTION.
2) ALL CONSTRUCTION INFORMATION NOT INDICATED ON THIS DETAIL SHALL BE IN ACCORDANCE WITH SDD "STEEL THRIE BEAM STRUCTURE APPROACH".
3) 7/8" H.S. HEX HEAD BOLT LENGTH VARIES. CONTRACTOR SHALL PROVIDE APPROPRIATE LENGTH BOLT FOR EACH CONNECTOR LOCATION.
4) A MINIMUM OF TWO SECTIONS OF CONCRETE BARRIER TEMPORARY PRECAST ADJACENT TO THE TEMPORARY THRIE BEAM CONNECTION SHALL BE ANCHORED.

THRIE BEAM CONNECTION TEMPORARY



SECTION VIEW (D)

CONCRETE BARRIER 42-INCH

NOTES

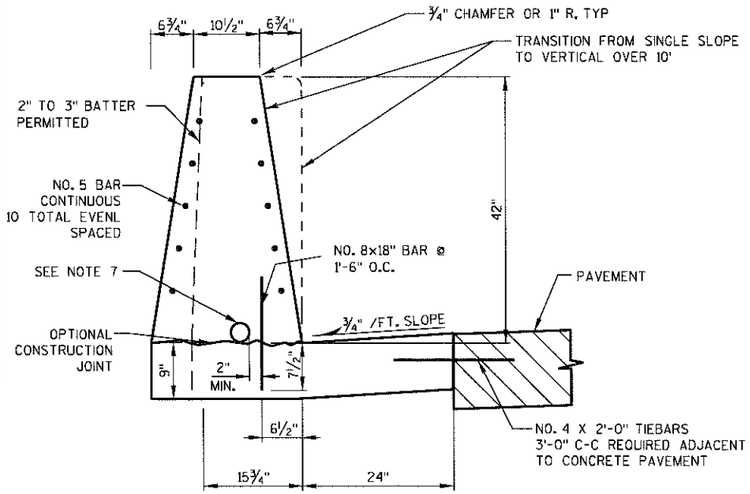
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

BARRIER SHALL CONSIST OF CAST-IN-PLACE CONSTRUCTION.

PROVIDE 1/2-INCH CHAMFER AT BARRIER ENDS WITH CONSTRUCTION JOINTS OR WITH EXPANSION JOINTS. PROVIDE 3/4-INCH EXPANSION JOINT MATERIAL AT EXPANSION JOINTS. EXPANSION JOINTS SHALL BE PLACED AT EXISTING EXPANSION JOINTS IN CONCRETE PAVEMENT, AT LIGHT BASES, AT SIGN BRIDGE FOOTINGS, AND AT CONCRETE MEDIAN BARRIER TRANSITIONS. DO NOT CEMENT CONDUIT COUPLINGS AT EXPANSION JOINTS.

SEE PLANS FOR CONDUIT LOCATION, PROVIDE CONDUIT ONLY WHEN CALLED FOR IN THE PLANS.

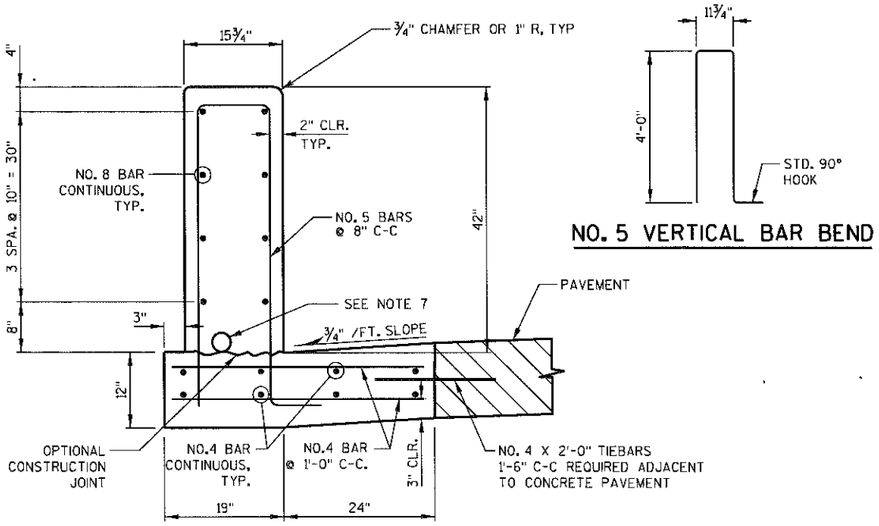
REINFORCING STIRRUP NOT REQUIRED FOR ROADWAY OFFSETS LESS THAN 1'-0".



SECTION A-A

CONCRETE BARRIER 42-INCH

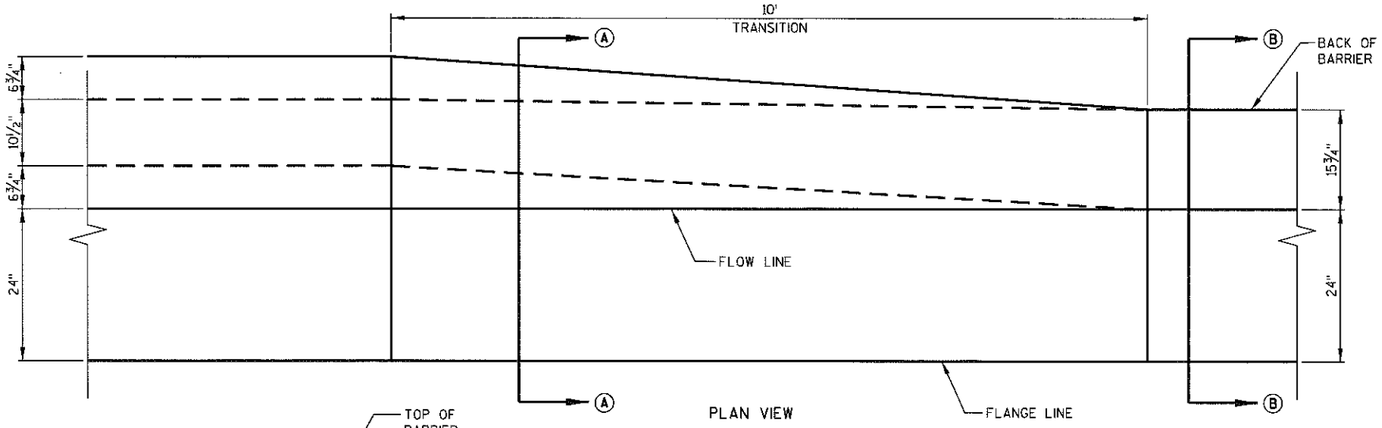
10' TRANSITION SECTION



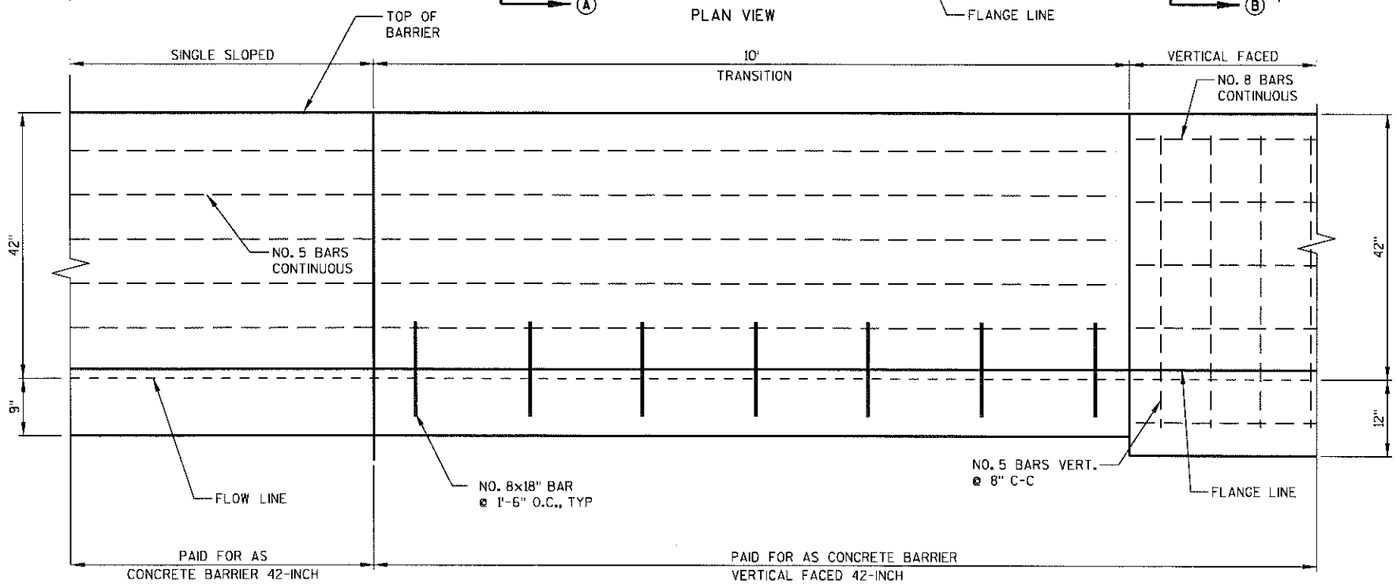
SECTION B-B

NO. 5 VERTICAL BAR BEND

CONCRETE BARRIER VERTICAL FACED 42-INCH



PLAN VIEW



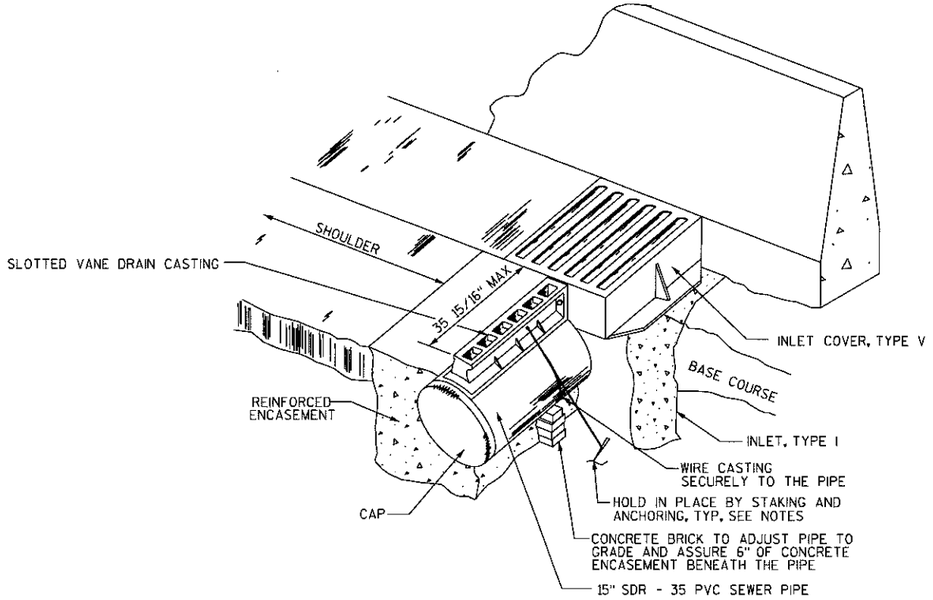
FRONT VIEW

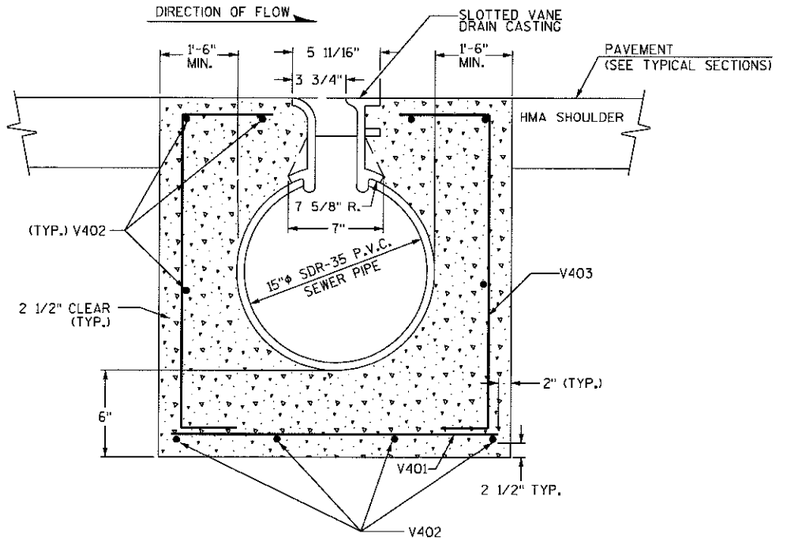
CONCRETE BARRIER 42 INCH TRANSITION SECTION

TRANSITION FROM CONCRETE BARRIER 42-INCH TO CONCRETE BARRIER VERTICAL FACED 42 INCH

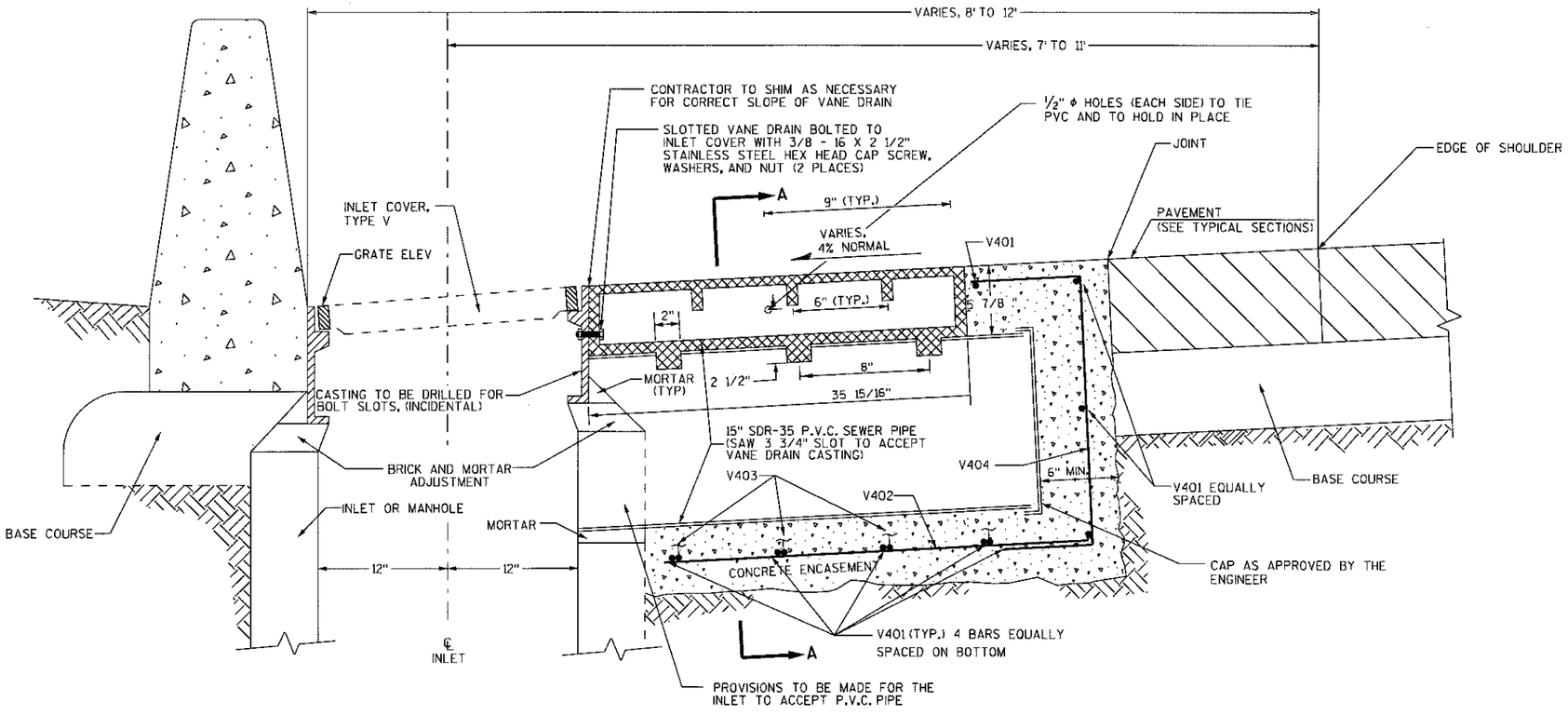
NOTES

1) 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. SEE CONCRETE BARRIER 42 INCH DETAIL FOR OTHER PERTINENT FEATURES.
2) BARRIER SHALL CONSIST OF CAST-IN-PLACE CONSTRUCTION.
3) PROVIDE 1/2-INCH CHAMFER AT BARRIER ENDS WITH CONSTRUCTION JOINTS OR WITH EXPANSION JOINTS. PROVIDE 3/4-INCH EXPANSION JOINT MATERIAL AT EXPANSION JOINTS. EXPANSION JOINTS SHALL BE PLACED AT EXISTING EXPANSION JOINTS IN CONCRETE PAVEMENT, AT LIGHT BASES, AT SIGN BRIDGE FOOTINGS, AND AT CONCRETE MEDIAN
4) BARRIER TRANSITIONS. DO NOT CEMENT CONDUIT COUPLINGS AT EXPANSION JOINTS.
5) BATTER NOT PERMITTED WHEN BARRIER IS PLACED NEXT TO RETAINING WALL.
6) FILL SHALL BE PERMITTED BEHIND CONCRETE BARRIER TO A MAXIMUM HEIGHT OF 2 FEET ABOVE FOOTING.
7) SEE PLANS FOR CONDUIT LOCATION. PROVIDE CONDUIT ONLY WHEN CALLED FOR IN THE PLANS.





SECTION A-A

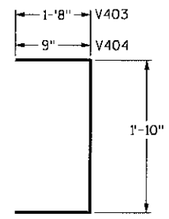


SLOTTED VANE DRAIN

SHOULDER INSTALLATION

NOTES

1) THE FIRST DIGIT OF BAR MARK SIGNIFIES THE BAR SIZE.
2) ALL DIMENSIONS ARE OUT TO OUT OF BAR.
3) APPROX. WEIGHT OF SLOTTED VANE DRAIN CASTING = 87 POUNDS.
4) THE CASTING AND P.V.C. PIPE SHALL BE SECURELY STAKED AND ANCHORED INTO PLACE DURING THE PLACEMENT OF THE CONCRETE ENCASEMENT.



V403, V404

BILL OF BARS *

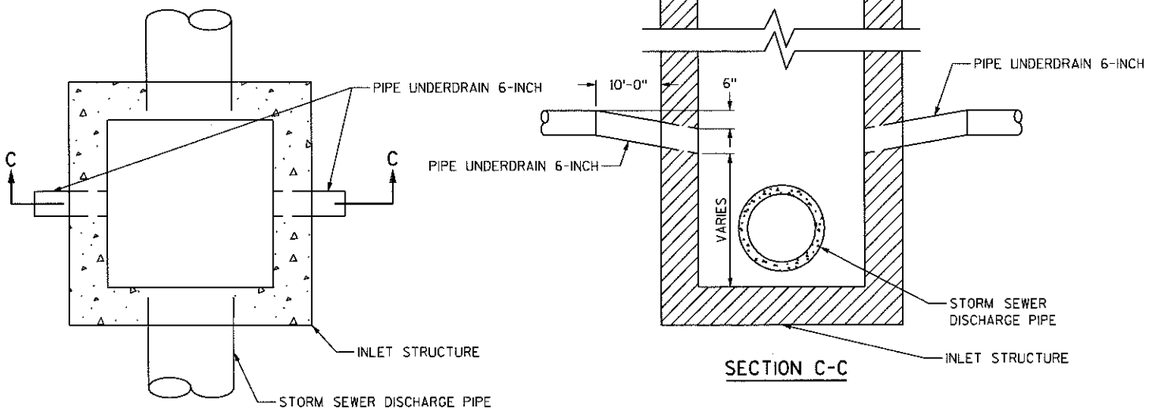
MARK	NO. REQ'D	LENGTH	BENT	LOCATION
V401	7	3'-11"		HORZ. - END/BOTTOM
V402	10	2'-9"		HORZ. - SIDES/TOP/BOTTOM
V403	6	5'-2"		VERTICAL - SIDES
V404	3	3'-4"		VERTICAL - END

* INCIDENTAL TO THE ITEM OF SLOTTED DRAIN

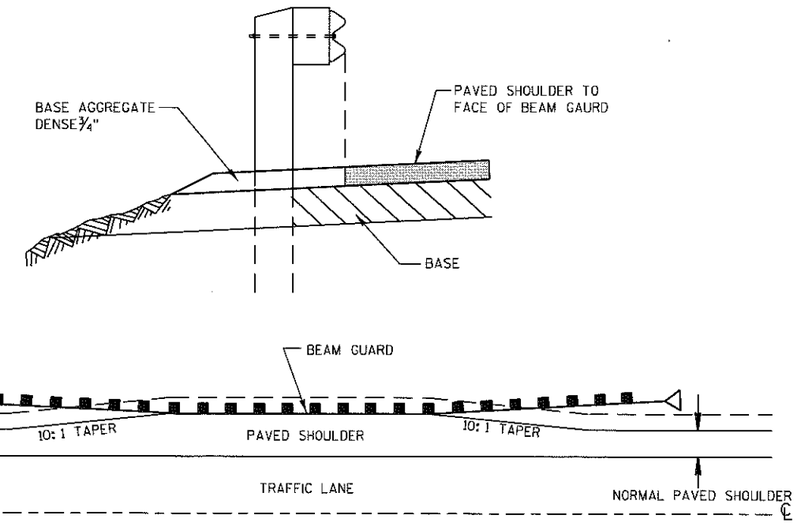
2

NOTES

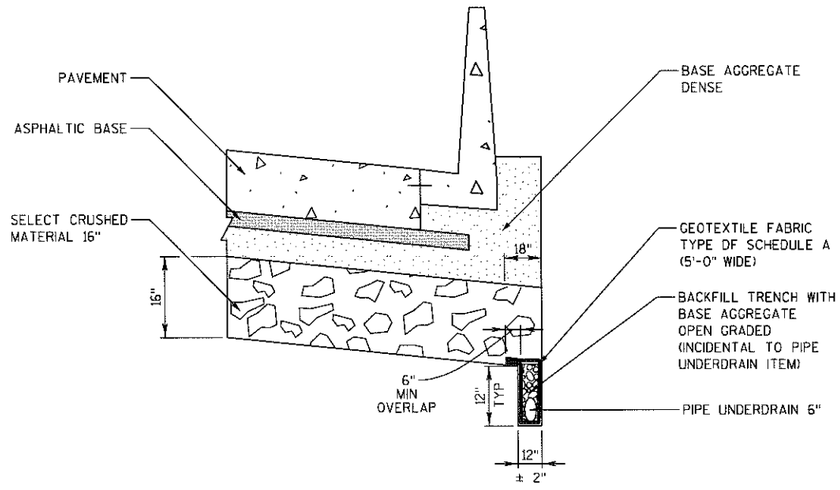
1. CONNECTIONS TO INLETS OR MANHOLES IN MEDIAN SHALL USE PIPE UNDERDRAIN, 6-INCH.
2. PROVIDE TWO 6" DIA. OPENINGS FOR UNDERDRAIN PIPE APPROX 48" BELOW THE PROPOSED TOP OF STRUCTURE.
3. SEE STORM SEWER AND UNDERDRAIN PLANS FOR PIPE UNDERDRAIN LOCATIONS.



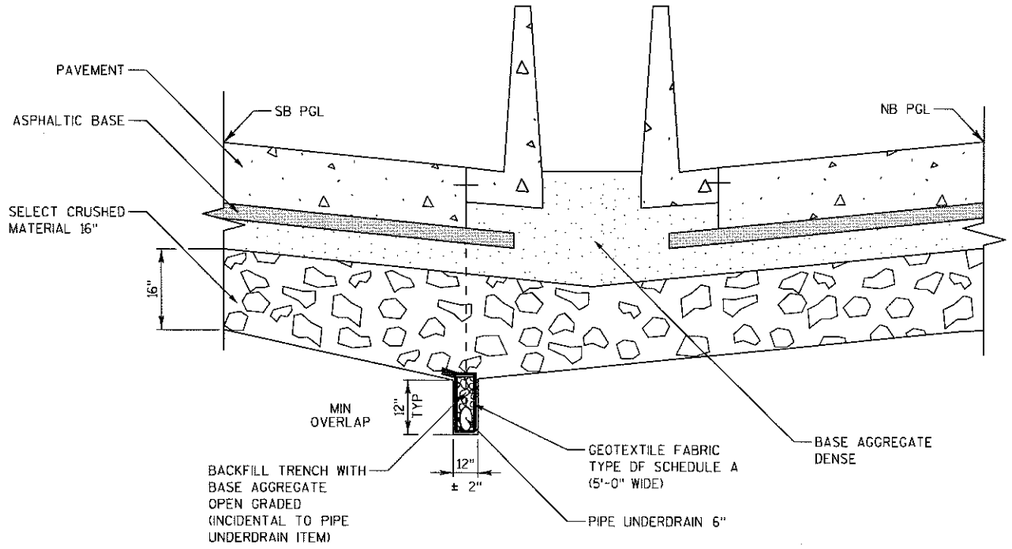
UNDERDRAIN OUTFALL AT INLET



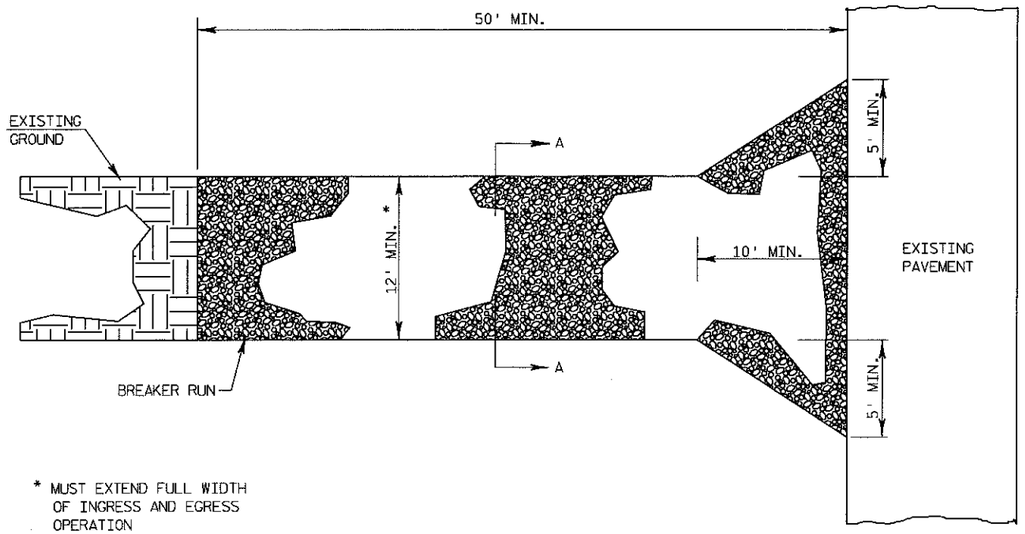
DETAIL FOR PAVED SHOULDER AT BEAM GUARD



OUTSIDE SHOULDER
UNDERDRAIN TRENCH DETAIL

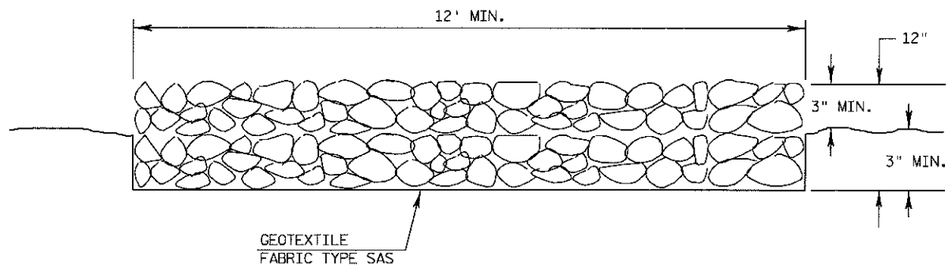


MEDIAN UNDERDRAIN TRENCH DETAIL



* MUST EXTEND FULL WIDTH OF INGRESS AND EGRESS OPERATION

PLAN VIEW



SECTION A-A

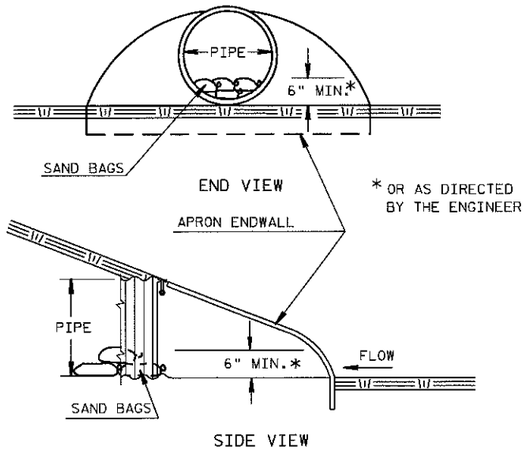
NOTE:

1) TRACKING MATS TO BE INSPECTED DAILY. DEFICIENT AREAS TO BE REPAIRED OR REPLACED IMMEDIATELY.

2) PAID FOR AS BREAKER RUN AND GEOTEXTILE FABRIC TYPE SAS.

TRACKING MAT

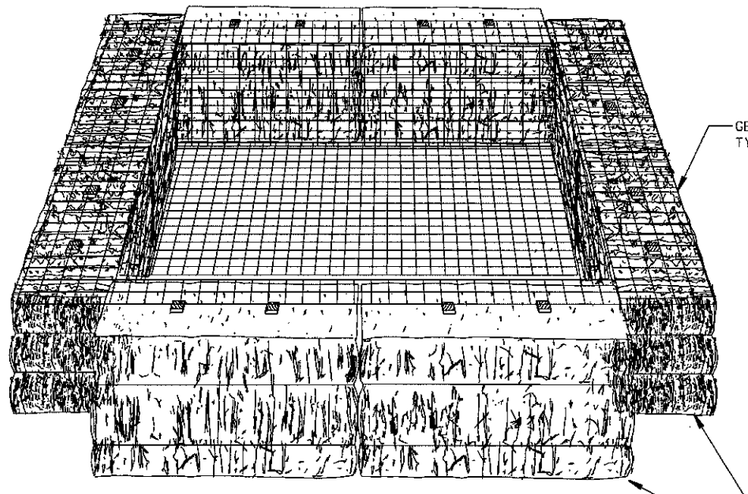
FOR CONSTRUCTION EGRESS POINTS



SIDE VIEW

CULVERT PIPE DITCH CHECK

SEE EROSION CONTROL PLAN FOR LOCATIONS

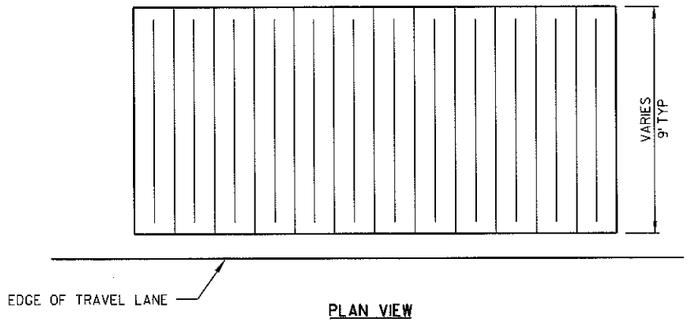


STORAGE VOLUME (C.F.) = 16X GPM (PUMP RATE)
EXAMPLE:
CONTRACTOR INDICATES PUMP CAPABLE OF 50 GPM
HEIGHT OF BALES = 1.5 FT.
SOLUTION:
SV (C.F.) = 16 X 50
SV=800 C.F.
800 C.F./1.5 FT. = 533 S.F.
USE A 20 FT. X 27 FT. BASIN

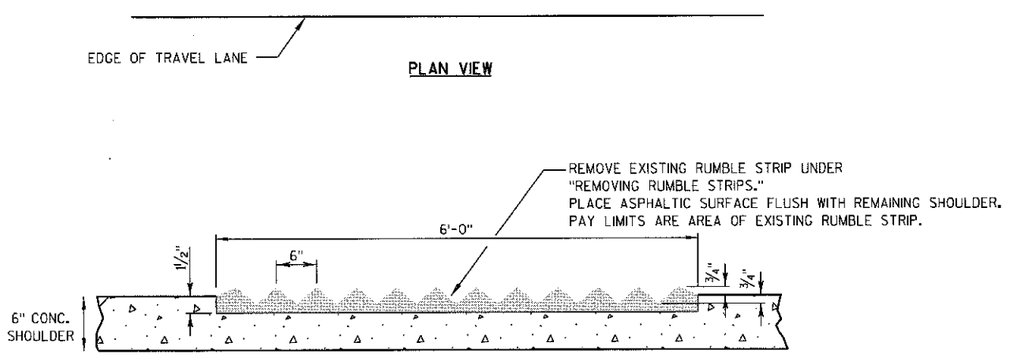
NOTES:
1. CONTRACTOR TO PUMP WATER FROM EXCAVATION TO BASIN PRIOR TO DISCHARGING TO THE WATERWAY.
2. BASIN TO BE KEPT LESS THAN 10% FULL OF SEDIMENT. GEOTEXTILE FABRIC AND SEDIMENTS TO BE DISPOSED BY THE CONTRACTOR OFF OF THE PROJECT SITE.
3. TEMPORARY SETTLING BASIN TO BE PAID FOR AS EROSION BALES AND GEOTEXTILE FABRIC TYPE FF.

TEMPORARY SETTLING BASIN

NOTE: RUMBLE STRIPS ARE LONGITUDINALLY SPACED 60' CENTER TO CENTER

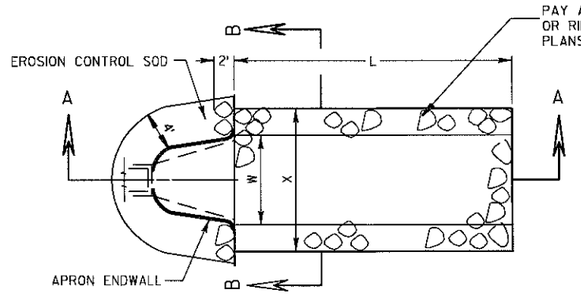


PLAN VIEW

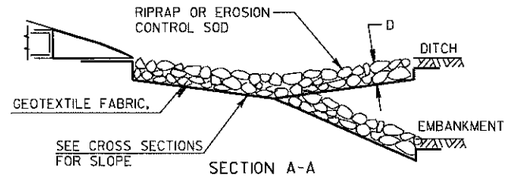


PROFILE VIEW

REMOVING RUMBLE STRIPS



PLAN VIEW



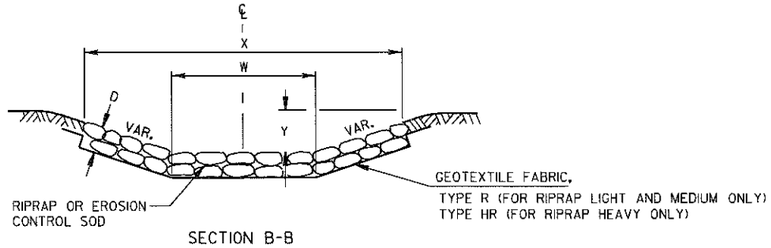
SECTION A-A

L = 3 x W (NOR.) OR 10' MIN. OR AS INDICATED IN THE PLANS OR AS DIRECTED BY THE ENGINEER.

D = 12" FOR RIPRAP LIGHT
18" FOR RIPRAP MEDIUM
24" FOR RIPRAP HEAVY

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

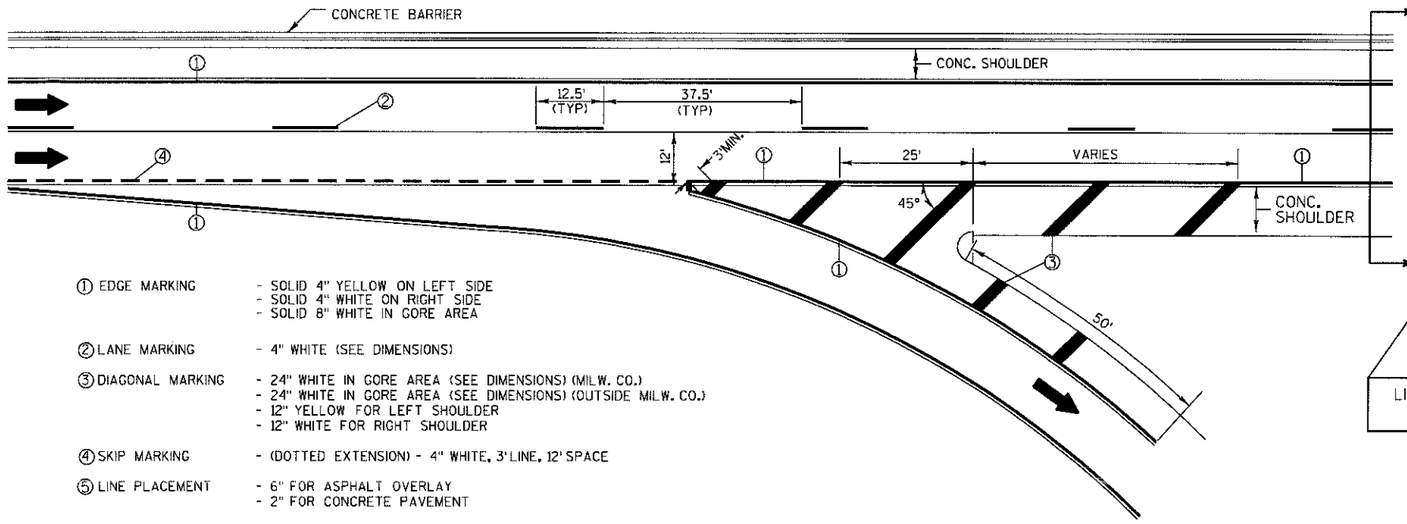
Y = 0' FOR TYPICAL CULVERT DISCHARGE INTO DITCH
12" FOR CULVERT DISCHARGE DOWN EMBANKMENT SLOPE



SECTION B-B

SOD, RIPRAP AND GEOTEXTILE FABRIC DETAIL AT APRON ENDWALLS

SEE EROSION CONTROL PLAN FOR LOCATIONS



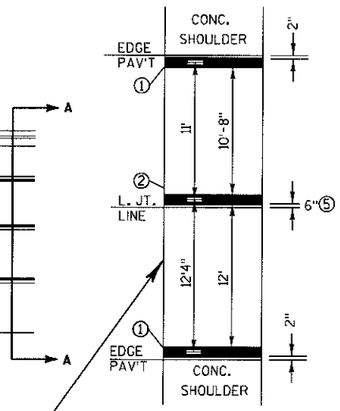
① EDGE MARKING - SOLID 4" YELLOW ON LEFT SIDE
- SOLID 4" WHITE ON RIGHT SIDE
- SOLID 8" WHITE IN GORE AREA

② LANE MARKING - 4" WHITE (SEE DIMENSIONS)

③ DIAGONAL MARKING - 24" WHITE IN GORE AREA (SEE DIMENSIONS) (MILW. CO.)
- 24" WHITE IN GORE AREA (SEE DIMENSIONS) (OUTSIDE MILW. CO.)
- 12" YELLOW FOR LEFT SHOULDER
- 12" WHITE FOR RIGHT SHOULDER

④ SKIP MARKING - (DOTTED EXTENSION) - 4" WHITE, 3' LINE, 12' SPACE

⑤ LINE PLACEMENT - 6" FOR ASPHALT OVERLAY
- 2" FOR CONCRETE PAVEMENT



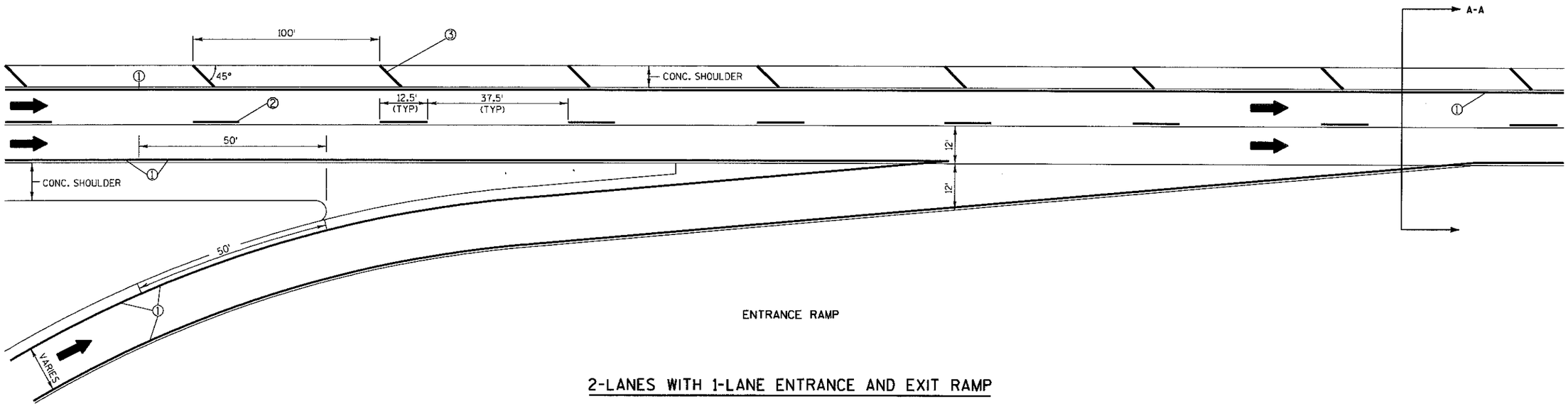
SECTION A-A

LINE PLACEMENT DETAILS

NOTES:

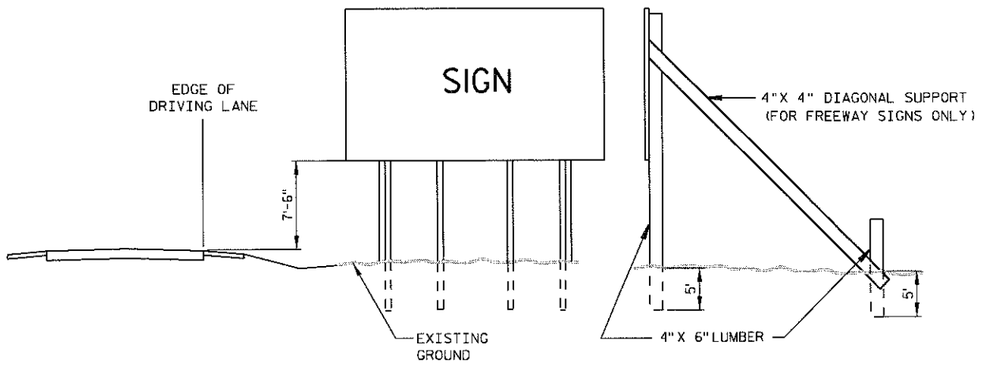
1. THE 12" WIDE DIAGONAL SHOULDER MARKING TO BE USED ON SHOULDER LOCATIONS AS SHOWN ON PAVEMENT MARKING AND DELINEATORS PLAN SHEETS.
2. WHERE THE DOTTED EXTENSION OF THE RIGHT EDGE LINE IS SHOWN ON THE PLAN, IT WILL BE 4" WIDE, WITH A LINE SKIP PATTERN CONSISTING OF A 3' LONG LINE AND A 12' SKIP.
3. PAVEMENT LANE MARKINGS TO BE LOCATED 6" OFF THE LONGITUDINAL JOINT OF THE UNDERLYING CONC. PAVEMENT.
4. ARROWS SHOWN ON THIS MARKING PLAN DESIGNATE TRAFFIC FLOW, AND WILL NOT BE TAKEN AS PROPOSED PAVEMENT MARKINGS.
5. SPOTTING FOR PAVEMENT LANE MARKINGS AND EDGE LINES TO BE 4"x4" PIECES OF REFLECTORIZED PAV'T MARKING TAPE SPACED AT 50' INTERVALS. (INCIDENTAL TO PAV'T MARKING).

EXIT RAMP



ENTRANCE RAMP

2-LANES WITH 1-LANE ENTRANCE AND EXIT RAMP



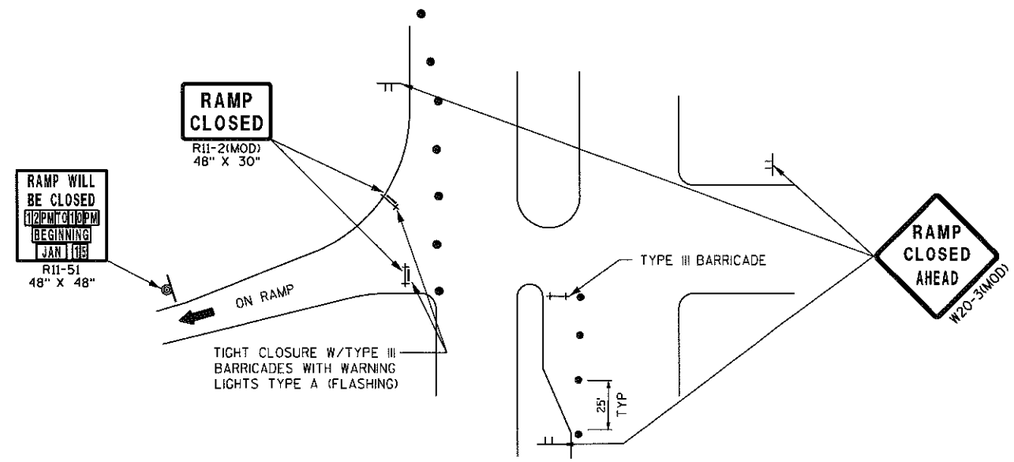
NOTES

1) SEE TRAFFIC CONTROL STAGE 3 SHEETS FOR SIGN LOCATIONS.

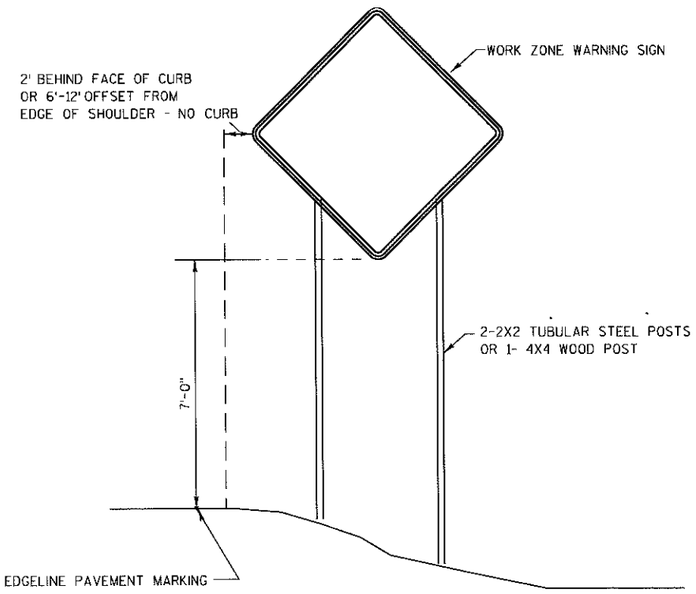
2) TWO DIAGONAL SUPPORTS TO BE INCLUDED FOR EACH EXISTING SIGN. DIAGONAL SUPPORTS TO BE AFFIXED TO THE OUTSIDE SUPPORTS AND TO BE INCIDENTAL TO "MOVING SIGN TYPE I SPECIAL".

3) SEE "TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS" SIGN PLATE FOR ADDITIONAL REQUIREMENTS.

MOUNTING DETAIL FOR EXISTING SIGN OR FIXED MESSAGE SIGNS

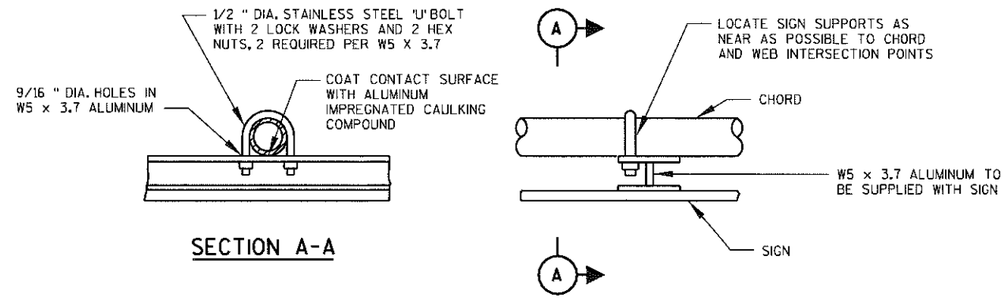


ENTRANCE RAMP CLOSURE



TYPICAL TEMPORARY TRAFFIC CONTROL DETAIL MOUNTING ON FIXED SUPPORT

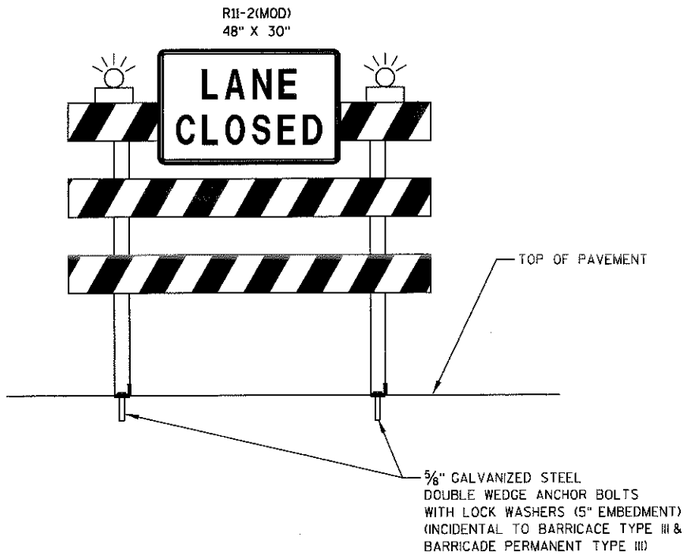
LONG TERM
7 DAYS OR MORE



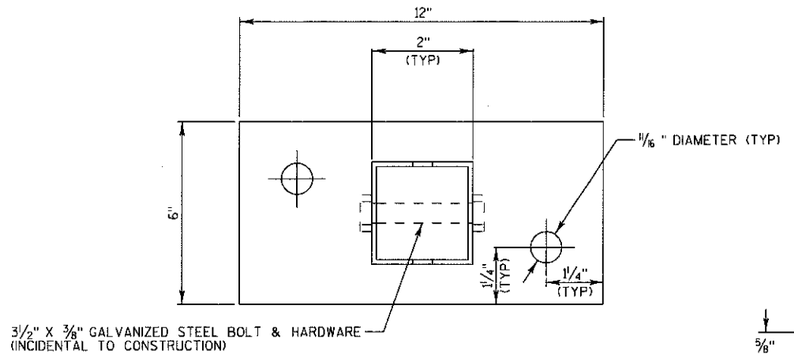
SECTION A-A

TYPICAL SIGN CONNECTION

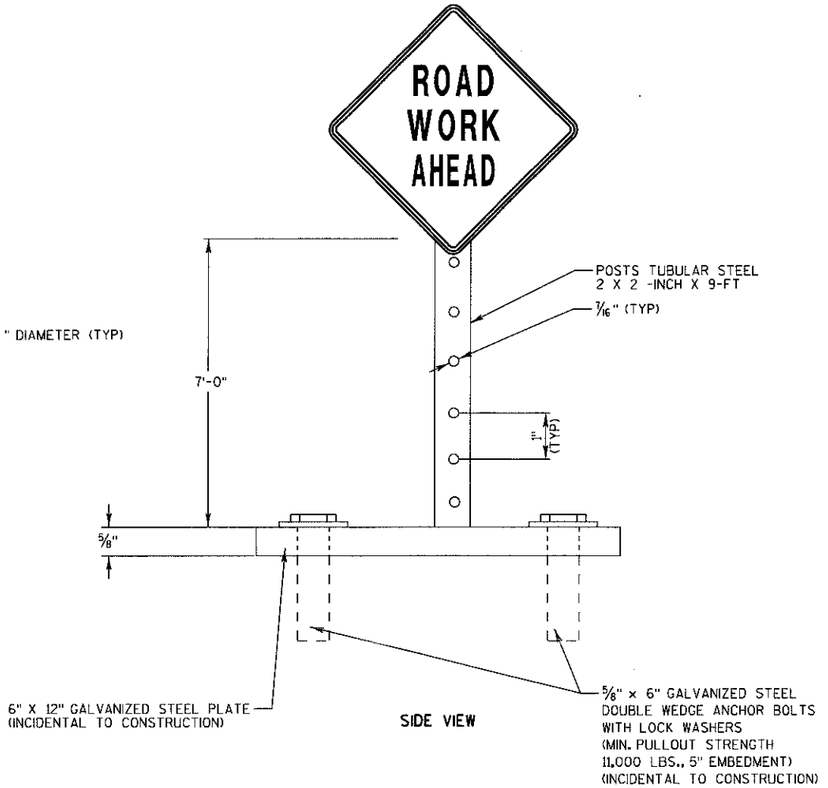
FOR USE WHEN MOUNTING SIGNS TO EXISTING SIGN STRUCTURES
INCIDENTAL TO OTHER SIGN ITEMS



TRAFFIC CONTROL BARRICADE TYPE III
ANCHORING DETAIL

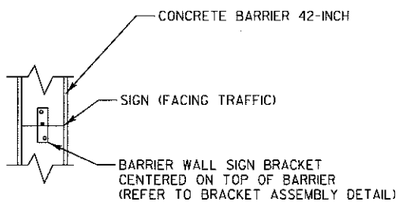


PLAN VIEW

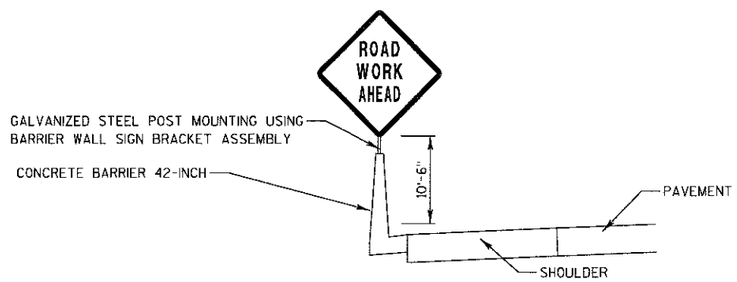


SIDE VIEW

BRACKET ASSEMBLY DETAIL



PLAN VIEW

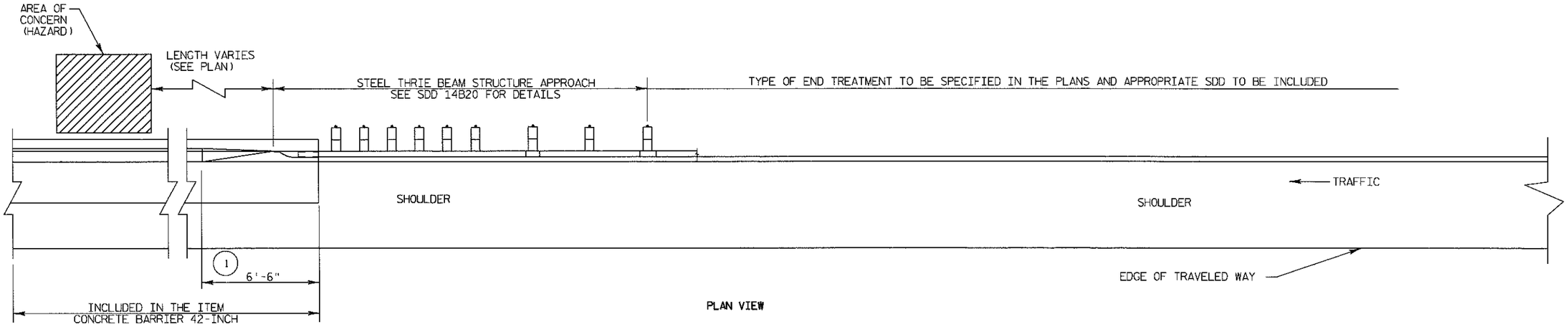


SIDE VIEW

MEDIAN BARRIER MOUNTING DETAIL

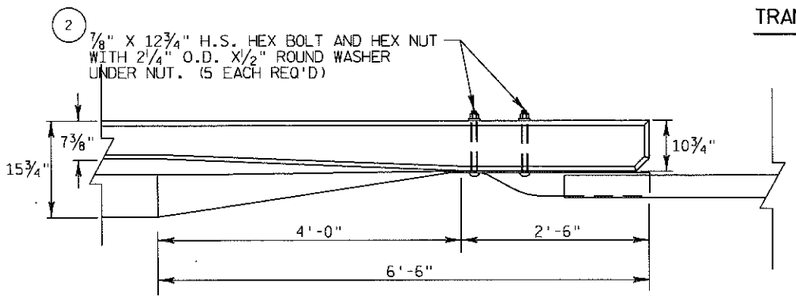
MOUNTING DETAILS FOR SIGNS MOUNTED TO MEDIAN BARRIER

NOT TO SCALE

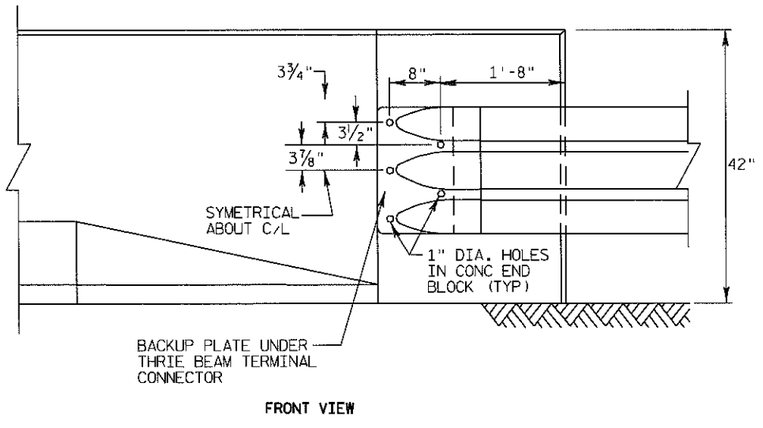


PLAN VIEW

TRANSITION TO STEEL PLATE BEAM GUARD AND END TERMINAL



PLAN VIEW



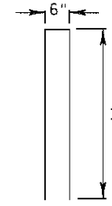
FRONT VIEW

CONCRETE BARRIER TRANSITION TO THRIE BEAM DETAIL
SINGLE FACED 42-INCH

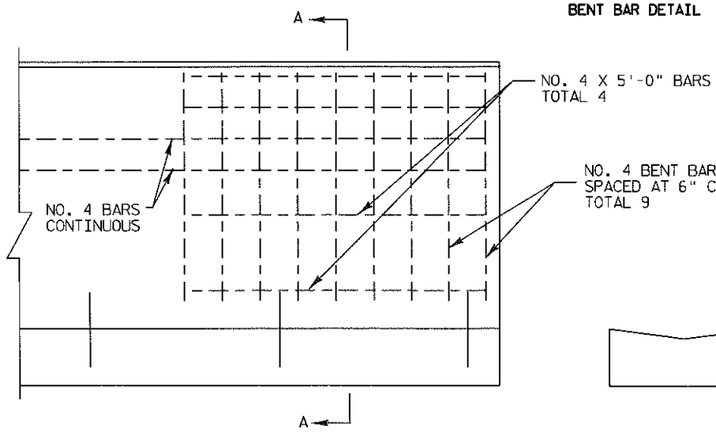
GENERAL NOTES

1. A SPECIAL END IS REQUIRED ON THE CONCRETE BARRIER TO TRANSITION TO A CONNECTION WITH THE STEEL THRIE BEAM STRUCTURE APPROACH. SEE THE DETAILS ON THIS SHEET.
2. HIGH STRENGTH BOLTS SHALL MEET REQUIREMENTS OF ASTM A325.
3. REINFORCEMENT REQUIRED AT EXPANSION JOINTS AND WHERE CONCRETE BARRIER IS TERMINATED.
4. PLACE REINFORCEMENT SUCH THAT IT WILL NOT CONFLICT WITH THE BOLT HOLES IN THE THRIE BEAM TERMINAL CONNECTOR.

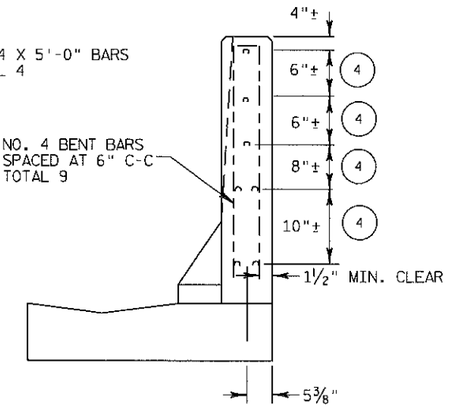
DO NOT USE STEEL POSTS AND NOTCHED PLASTIC BLOCKOUTS IN THE STEEL THRIE BEAM STRUCTURAL APPROACH AND THE TRANSITION SECTION OF STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATIONS.



BENT BAR DETAIL



FRONT VIEW

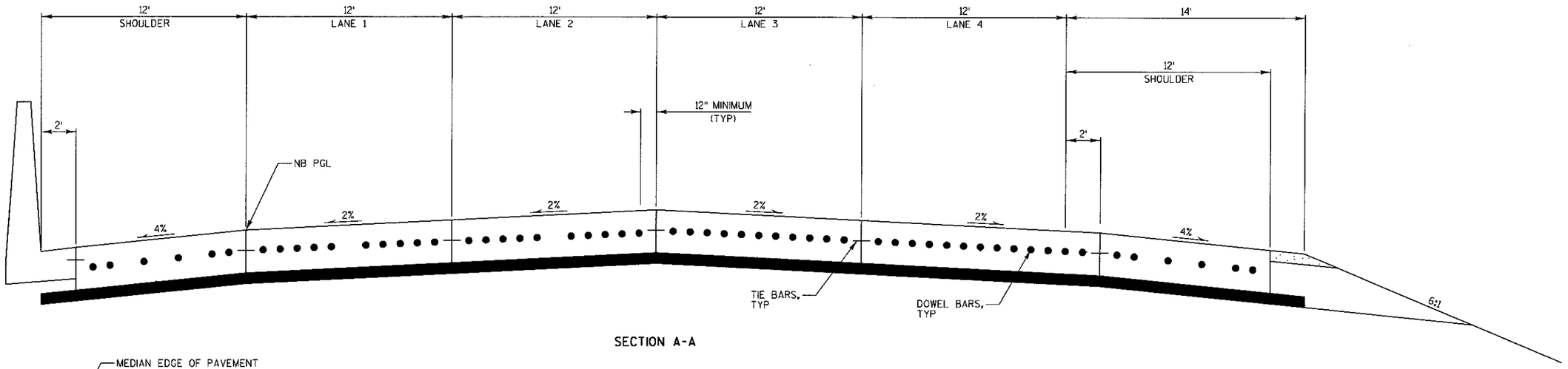


SECTION A-A

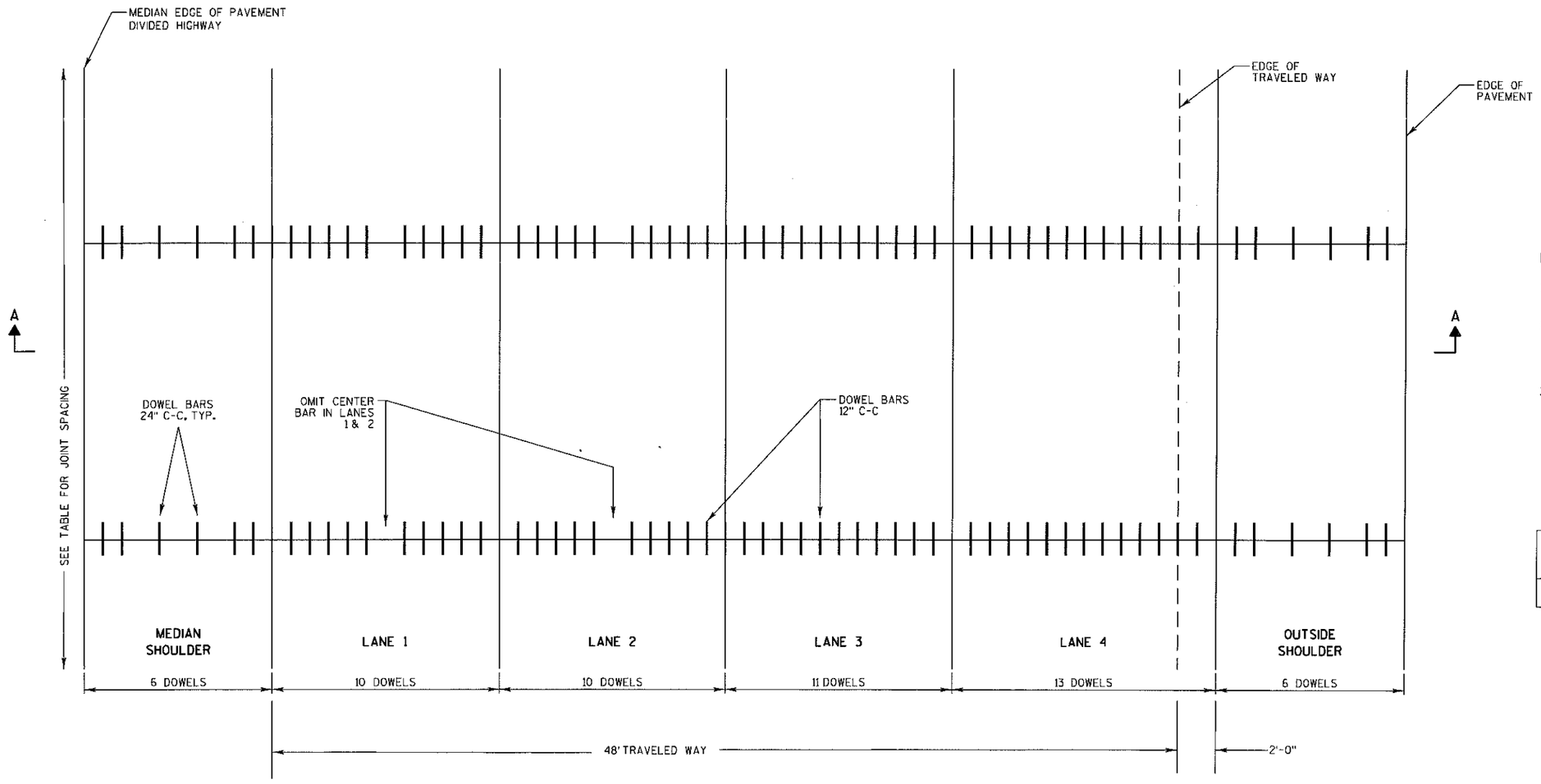
3

REINFORCEMENT AT BARRIER END

PROJECT NO:1030-25-74	HWY:IH 94/CTH G	COUNTY:RACINE	CONSTRUCTION DETAILS	SHEET 37	E



SECTION A-A



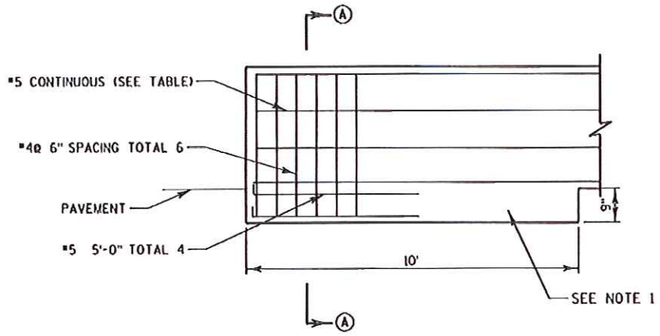
NOTES

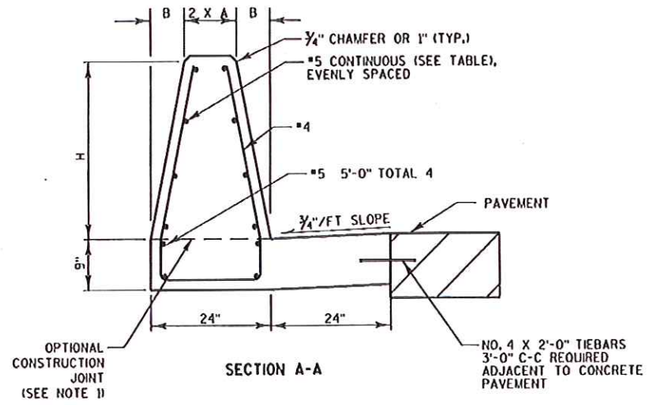
1) DETAILS NOT SHOWN SHALL CONFORM TO STANDARD DETAIL DRAWINGS
2) LOCATE OUTER MOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS 12 INCHES FROM THE EDGE OF PAVEMENT OR LONGITUDINAL JOINT
3) TREAT SAWED SURFACES OF TRANSVERSE AND LONGITUDINAL JOINTS WITH SILANE SEALANT

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

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

BARRIER HEIGHT H INCHES	A INCHES	B INCHES	NUMBER OF #5 BARS EACH
32	7	5	8
42	5¼	6¾	10
56	3	9	11





SECTION A-A

CONCRETE BARRIER END ANCHORAGE

INSTALL AT CONCRETE BARRIER ENDS AND AT INTERRUPTIONS IN CONCRETE BARRIER
PAID FOR AS CONCRETE BARRIER (TYPE) (SIZE)

NOTES

1) FOOTING MONOLITHIC OR DOWELED WITH 2-#8 x 8" @ 2'-0".

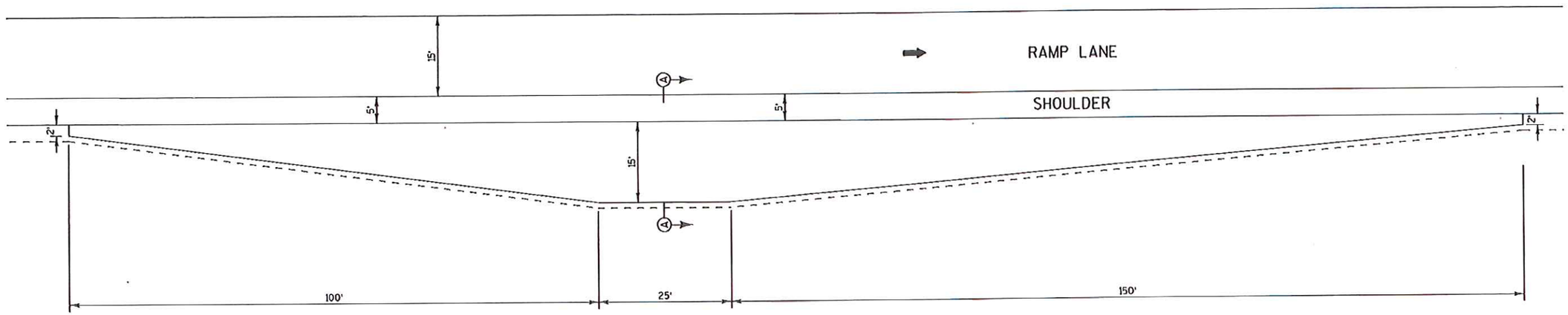
2) WHEN SWITCHING BETWEEN SLIP FORM OPERATIONS AND CAST-IN-PLACE OPERATIONS, EXTEND LONGITUDINAL STEEL 3-FEET BEYOND SLIP-FORMING CUT OFF POINT INTO END ANCHORAGE.

4. REVISED 8/14/09

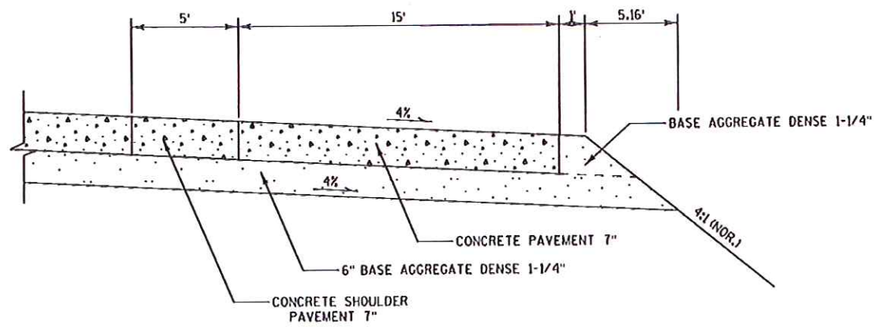
090813

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACIRE	CONSTRUCTION DETAILS	SHEET 38B	E

2



PLAN VIEW



SECTION A-A

SPEED ENFORCEMENT PAD

17.

17 REVISED 6/21/2010

NOTES:

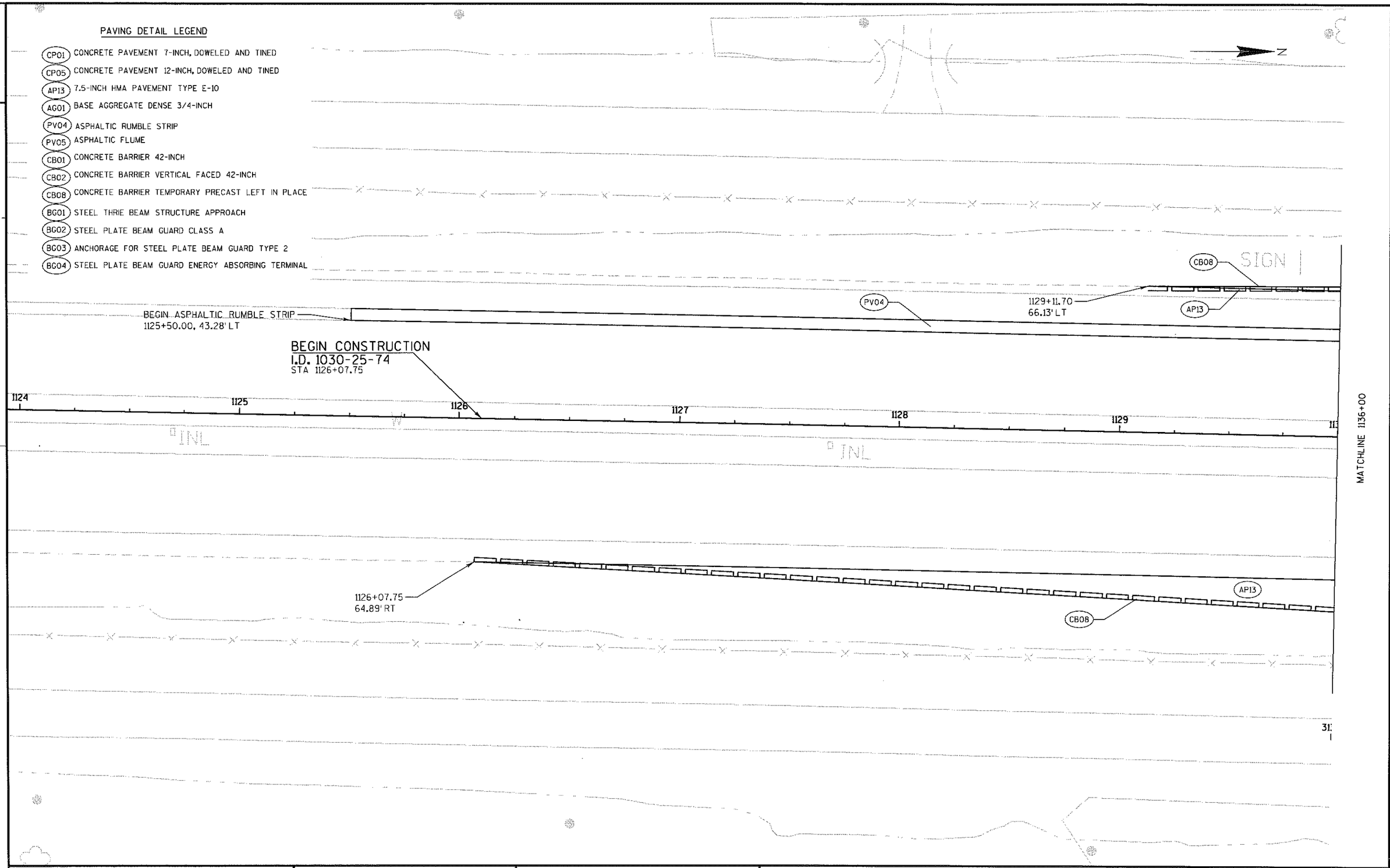
DRAINAGE FEATURES, IF REQUIRED, ARE SHOWN ELSEWHERE.

PROJECT NO: 1030-25-74	HWY: 194/CHT G	COUNTY: RACINE	CONSTRUCTION DETAIL	SHEET 38C	E

FILE NAME : S:\FinalDesign\G\10302571_M\EPlans-Stim\100616_let_rev17\Speed Enforcement Pad.dgn
PLOT DATE : 21-JUN-2010 14:44
PLOT BY : MSCESG
PLOT NAME : Speed Enforcement Pad.dgn
PLOT SCALE : 20:1
WISDOT/CADDS SHEET 42

PAVING DETAIL LEGEND

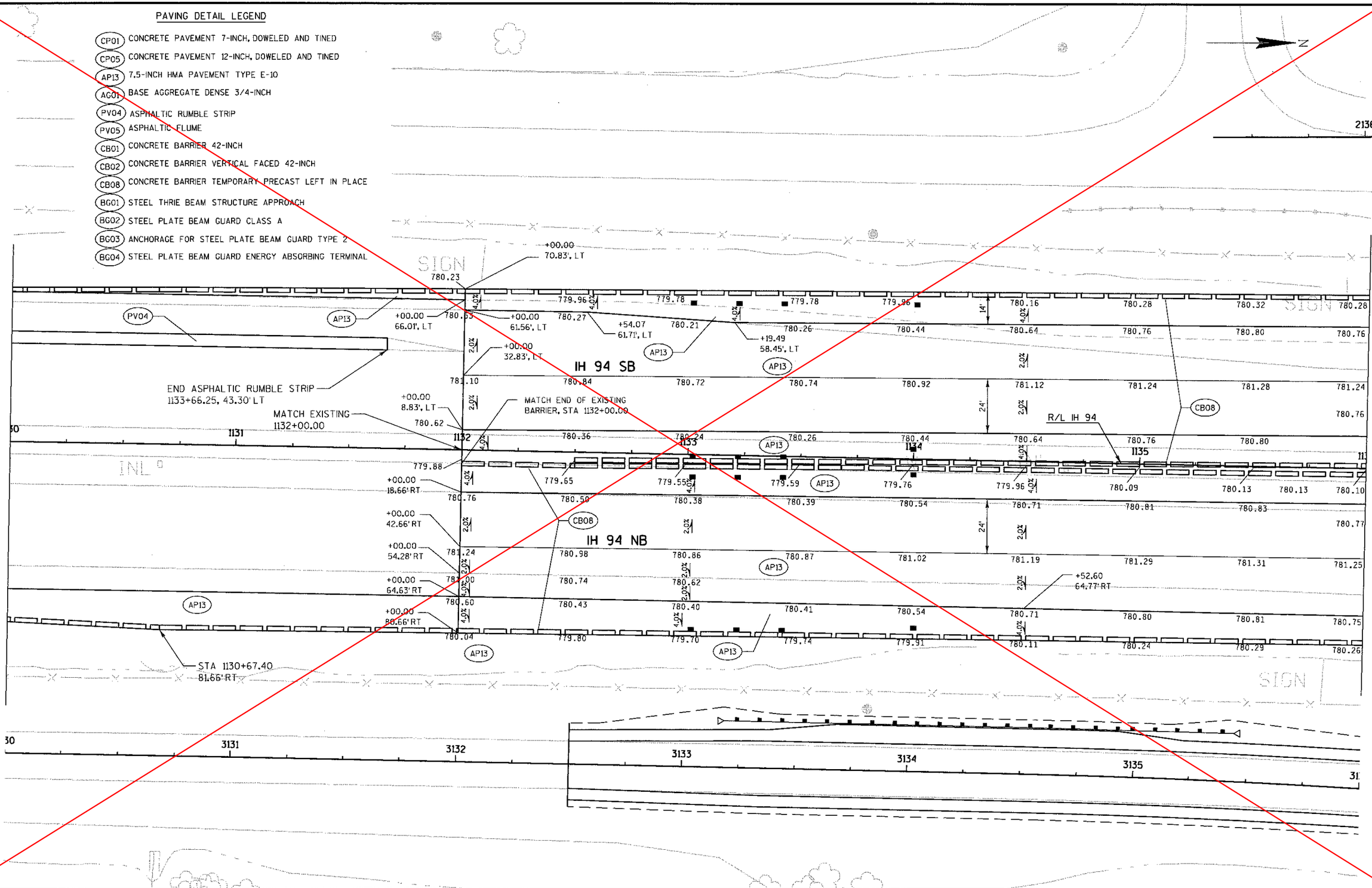
- CP01 CONCRETE PAVEMENT 7-INCH, DOWELED AND TIED
- CP05 CONCRETE PAVEMENT 12-INCH, DOWELED AND TIED
- AP13 7.5-INCH HMA PAVEMENT TYPE E-10
- AG01 BASE AGGREGATE DENSE 3/4-INCH
- PV04 ASPHALTIC RUMBLE STRIP
- PV05 ASPHALTIC FLUME
- CB01 CONCRETE BARRIER 42-INCH
- CB02 CONCRETE BARRIER VERTICAL FACED 42-INCH
- CB08 CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
- BG01 STEEL THRIE BEAM STRUCTURE APPROACH
- BG02 STEEL PLATE BEAM GUARD CLASS A
- BG03 ANCHORAGE FOR STEEL PLATE BEAM GUARD TYPE 2
- BG04 STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL



PROJECT NO: 1030-25-74	HWY: 94/CTH G	COUNTY: RACINE	PLAN DETAILS	SHEET 39	E

PAVING DETAIL LEGEND

- CP01 CONCRETE PAVEMENT 7-INCH, DOWELED AND TINED
- CP05 CONCRETE PAVEMENT 12-INCH, DOWELED AND TINED
- AP13 7.5-INCH HMA PAVEMENT TYPE E-10
- AG01 BASE AGGREGATE DENSE 3/4-INCH
- PV04 ASPHALTIC RUMBLE STRIP
- PV05 ASPHALTIC FLUME
- CB01 CONCRETE BARRIER 42-INCH
- CB02 CONCRETE BARRIER VERTICAL FACED 42-INCH
- CB08 CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
- BG01 STEEL THRIE BEAM STRUCTURE APPROACH
- BG02 STEEL PLATE BEAM GUARD CLASS A
- BG03 ANCHORAGE FOR STEEL PLATE BEAM GUARD TYPE 2
- BG04 STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL



PROJECT NO: 1030-25-74	HWY: 94/CTH G	COUNTY: RACINE	PLAN DETAILS	SHEET 40	E

PAVING DETAIL LEGEND

- (CP01) CONCRETE PAVEMENT 7-INCH, DOWELED AND TIED
- (CP05) CONCRETE PAVEMENT 12-INCH, DOWELED AND TIED
- (AP13) 7.5-INCH HMA PAVEMENT TYPE E-10
- (AG01) BASE AGGREGATE DENSE 3/4-INCH
- (PV04) ASPHALTIC RUMBLE STRIP
- (PV05) ASPHALTIC FLUME
- (CB01) CONCRETE BARRIER 42-INCH
- (CB02) CONCRETE BARRIER VERTICAL FACED 42-INCH
- (CB08) CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
- (BG01) STEEL THRIE BEAM STRUCTURE APPROACH
- (BG02) STEEL PLATE BEAM GUARD CLASS A
- (BG03) ANCHORAGE FOR STEEL PLATE BEAM GUARD TYPE 2
- (BG04) STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL

- EXISTING BARRIER WALL AND 12' SHOULDER LANE REMAIN, 1132+00 ~ 1132+50
- TEMPORARY BARRIER WALL BEGINS @ 1132+50

MATCHLINE 1136+00

+00.00 70.83', LT

END ASPHALTIC RUMBLE STRIP 1133+66.25, 43.30' LT

MATCH EXISTING 1132+00.00

MATCH END OF EXISTING BARRIER, STA 1132+00.00

IH 94 SB

IH 94 NB

R/L IH 94

+52.60 64.77' RT

STA 1130+67.40 81.66' RT

MATCHLINE 1136+00

PROJECT NO: 1030-25-74	HWY: 94/CTH G	COUNTY: RACINE	PLAN DETAILS	SHEET 40A	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roods-Stlm\cds\021202_pd.dgn PLOT DATE : 28-JAN-2009 13:17 PLOT BY : mscdls PLOT NAME : 021202_pd PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

NOTE:
ALL IH 94 SHOULDER CORRUGATIONS WILL
BE INSTALLED BY OTHERS IN FUTURE CONTRACT.

PAVING DETAIL LEGEND

- CP01 CONCRETE PAVEMENT 7-INCH, DOWELED AND TINED
- CP05 CONCRETE PAVEMENT 12-INCH, DOWELED AND TINED
- AP13 7.5-INCH HMA PAVEMENT TYPE E-10
- AG01 BASE AGGREGATE DENSE 3/4-INCH
- PV04 ASPHALTIC RUMBLE STRIP
- PV05 ASPHALTIC FLUME
- CB01 CONCRETE BARRIER 42-INCH
- CB02 CONCRETE BARRIER VERTICAL FACED 42-INCH
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- BG01 STEEL THRIE BEAM STRUCTURE APPROACH
- BG02 STEEL PLATE BEAM GUARD CLASS A
- BG03 ANCHORAGE FOR STEEL PLATE BEAM GUARD TYPE 2
- BG04 STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL

N

MATCHLINE 1136+00

MATCHLINE 1142+00

RAMP SW

R/L RAMP SW

IH 94 SB

IH 94 NB

R/L IH 94

RAMP SE

1140SE

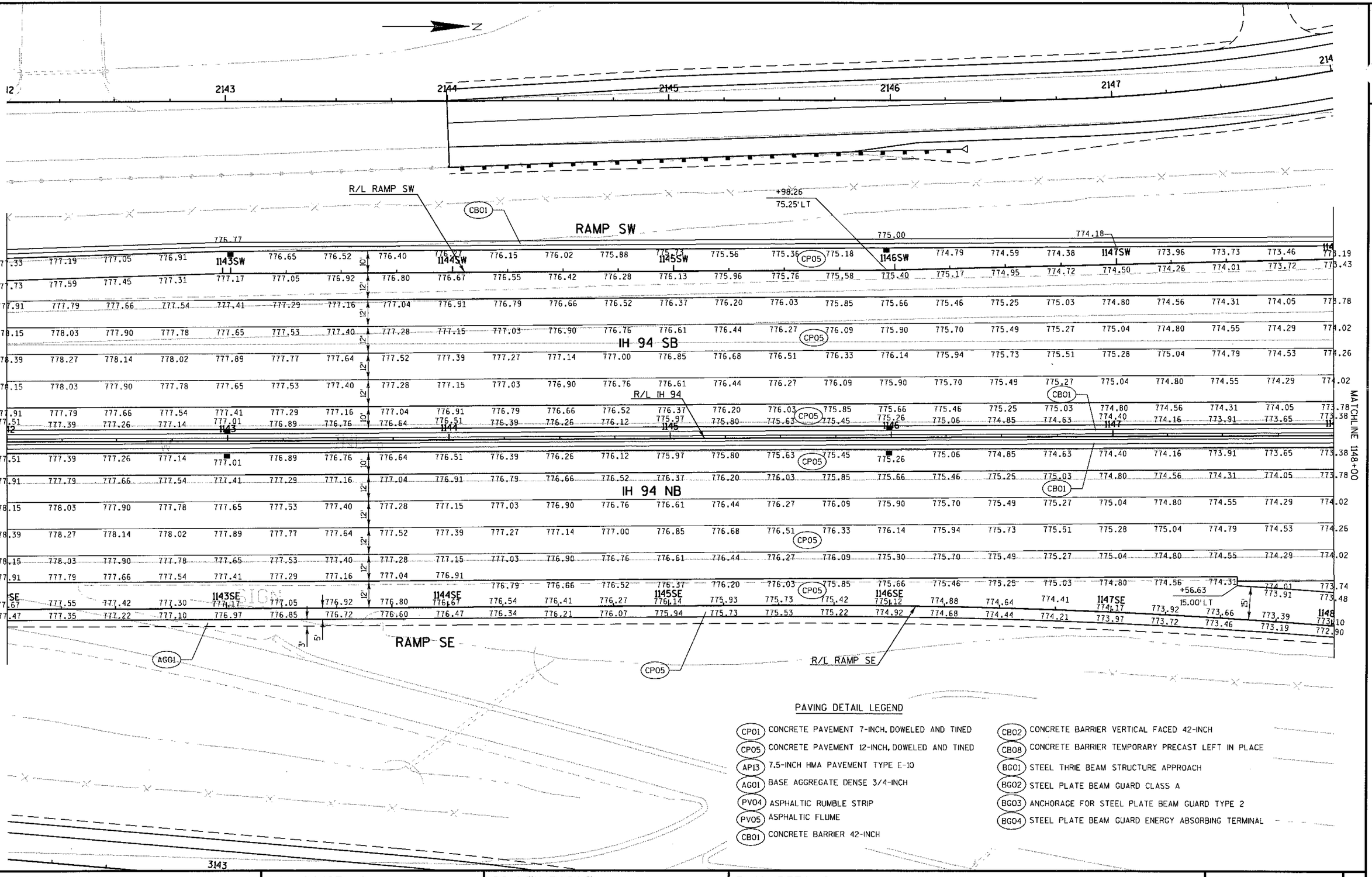
1141SE

R/L RAMP SE

SIGN STRUCTURE
S-51-17

+00.00 77.25'LT
+00.00 63.25'LT
+00.00 39.25'LT
+00.00 15.25'LT
+00.00 15.25'RT
+00.00 39.25'RT
+00.00 65.25'RT
+00.00 77.25'RT
+01.77 63.25'RT
+27.43 65.25'RT
+65.54 73.25'RT
+52.19 75.25'RT
+76.44 80.26'RT
+06.37 83.50'RT
+81.19 83.50'RT
+11.24 80.25'RT

PROJECT NO: 1030-25-74	HWY: 94/CTH G	COUNTY: RACINE	PLAN DETAILS	SHEET 41	E

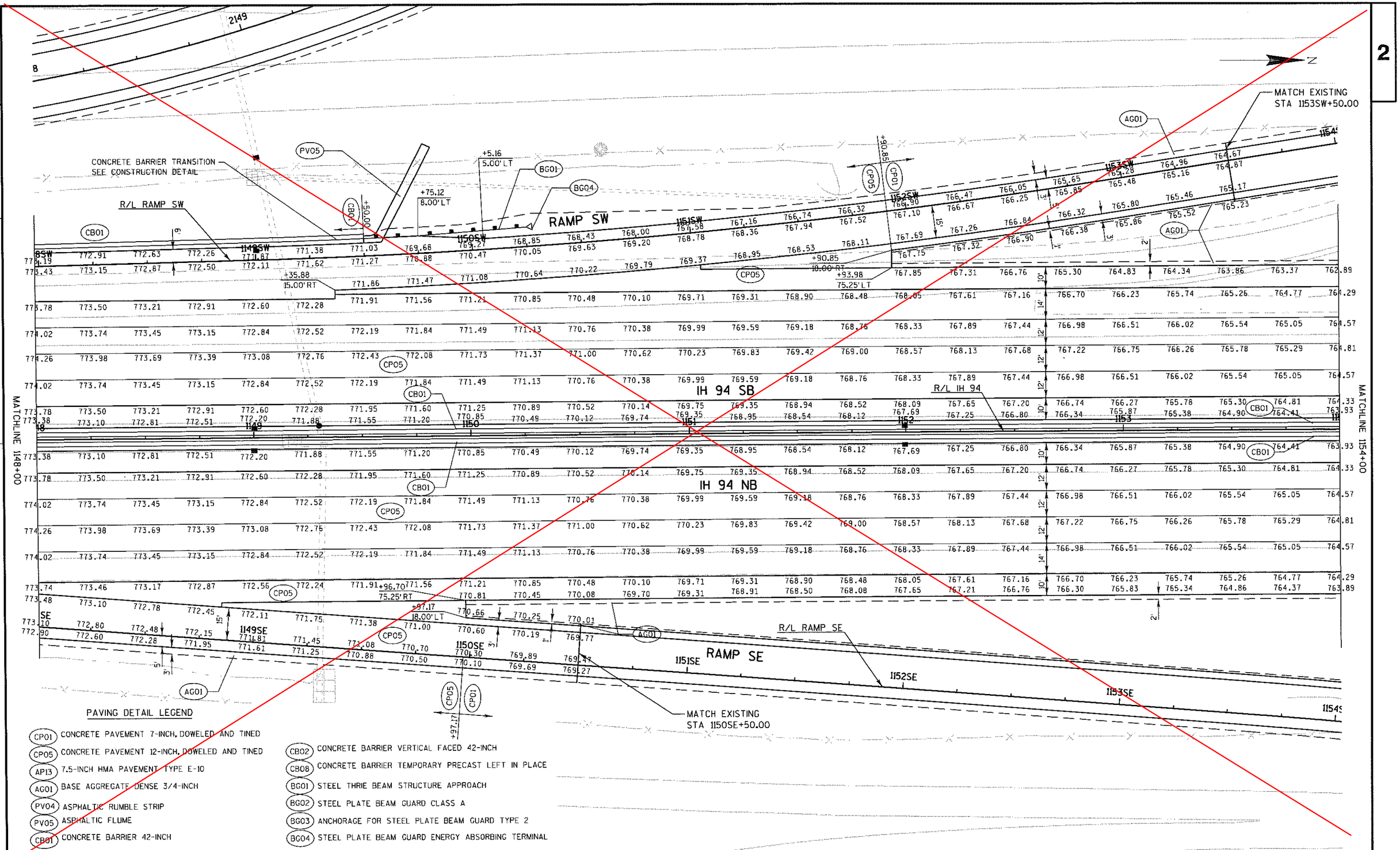


PAVING DETAIL LEGEND

- CP01 CONCRETE PAVEMENT 7-INCH, DOWELED AND TINED
- CP05 CONCRETE PAVEMENT 12-INCH, DOWELED AND TINED
- AP13 7.5-INCH HMA PAVEMENT TYPE E-10
- AG01 BASE AGGREGATE DENSE 3/4-INCH
- PV04 ASPHALTIC RUMBLE STRIP
- PV05 ASPHALTIC FLUME
- CB01 CONCRETE BARRIER 42-INCH
- CB02 CONCRETE BARRIER VERTICAL FACED 42-INCH
- CB08 CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
- BG01 STEEL THRIE BEAM STRUCTURE APPROACH
- BG02 STEEL PLATE BEAM GUARD CLASS A
- BG03 ANCHORAGE FOR STEEL PLATE BEAM GUARD TYPE 2
- BG04 STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL

PROJECT NO: 1030-25-74	HWY: 94/CTH G	COUNTY: RACINE	PLAN DETAILS	SHEET 42	E

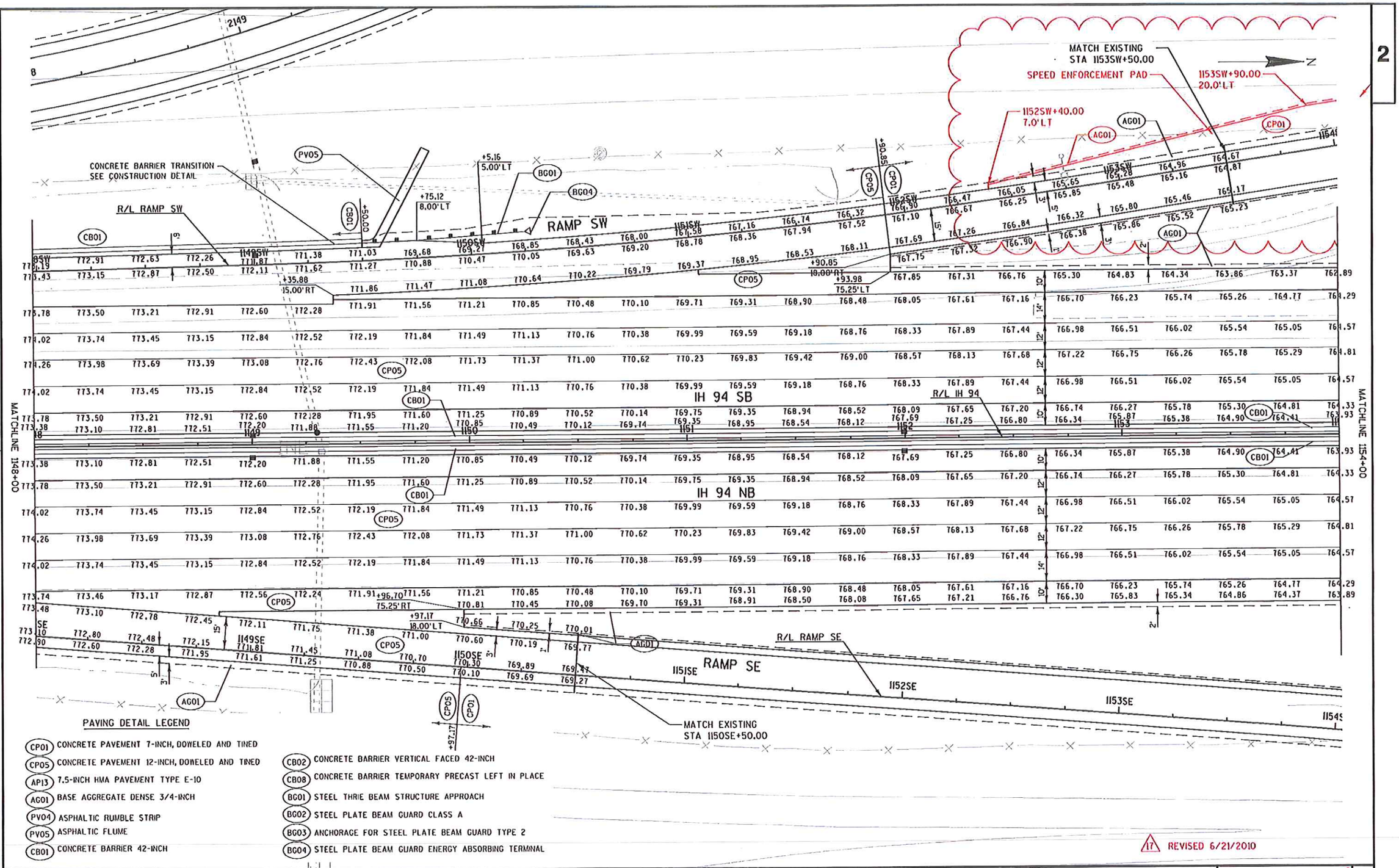
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PAVING DETAIL LEGEND

CP01	CONCRETE PAVEMENT 7-INCH, DOWELED AND TINED
CP05	CONCRETE PAVEMENT 12-INCH, DOWELED AND TINED
AP13	7.5-INCH HMA PAVEMENT TYPE E-10
AG01	BASE AGGREGATE DENSE 3/4-INCH
PV04	ASPHALTIC RUMBLE STRIP
PV05	ASPHALTIC FLUME
CB01	CONCRETE BARRIER 42-INCH
CB02	CONCRETE BARRIER VERTICAL FACED 42-INCH
CB08	CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
BG01	STEEL THRIE BEAM STRUCTURE APPROACH
BG02	STEEL PLATE BEAM GUARD CLASS A
BG03	ANCHORAGE FOR STEEL PLATE BEAM GUARD TYPE 2
BG04	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL

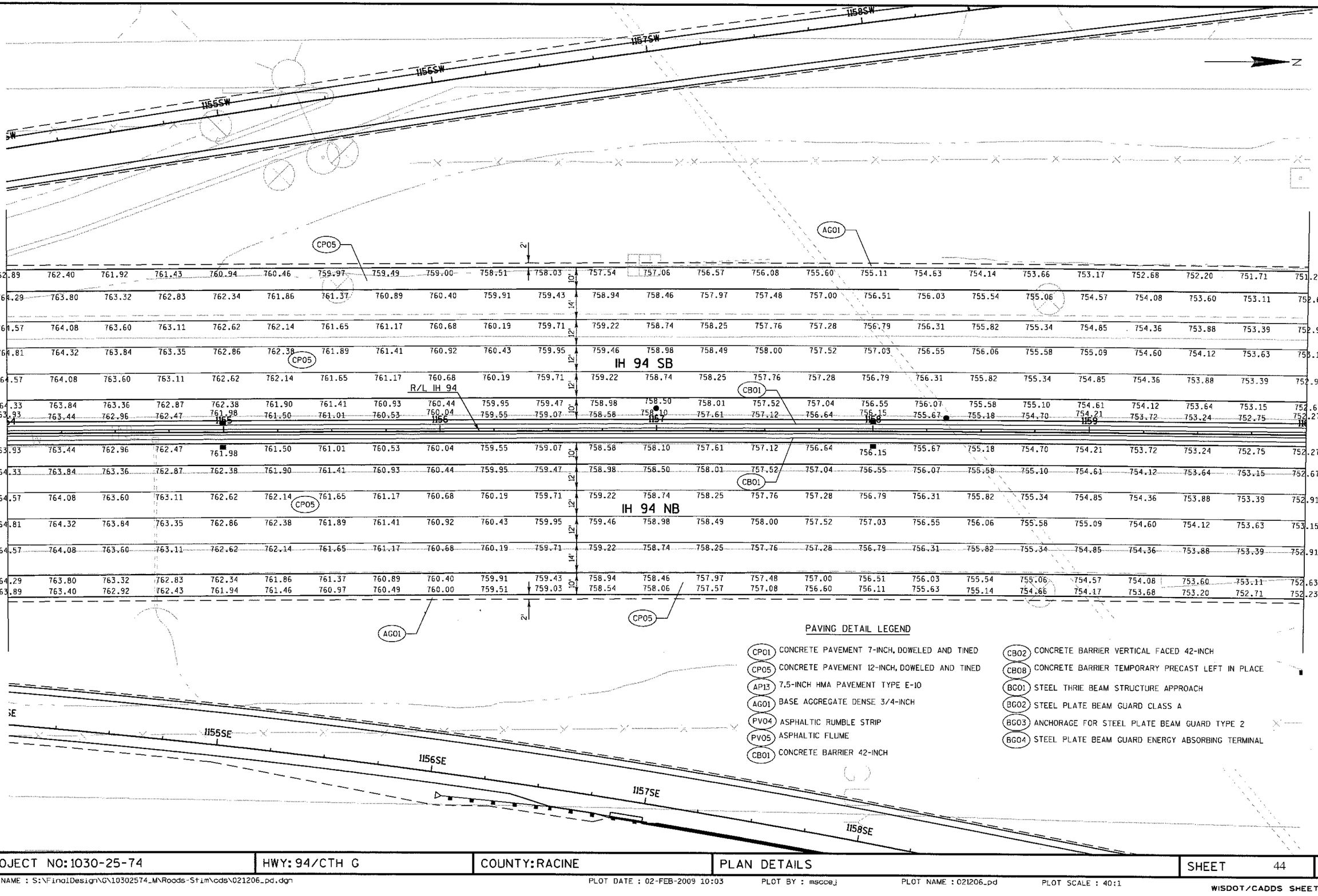
PROJECT NO: 1030-25-74	HWY: 94/CTH G	COUNTY: RACINE	PLAN DETAILS	SHEET 43	E



PROJECT NO: 1030-25-74	HWY: 94/CTH G	COUNTY: RACINE	PLAN DETAILS	SHEET 43A E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\021205_pd.dgn PLOT DATE : 21-JUN-2010 09:26 PLOT BY : MSCESG PLOT NAME : 021205_pd PLOT SCALE : 40:1 WISDOT/CADDS SHEET 42

2

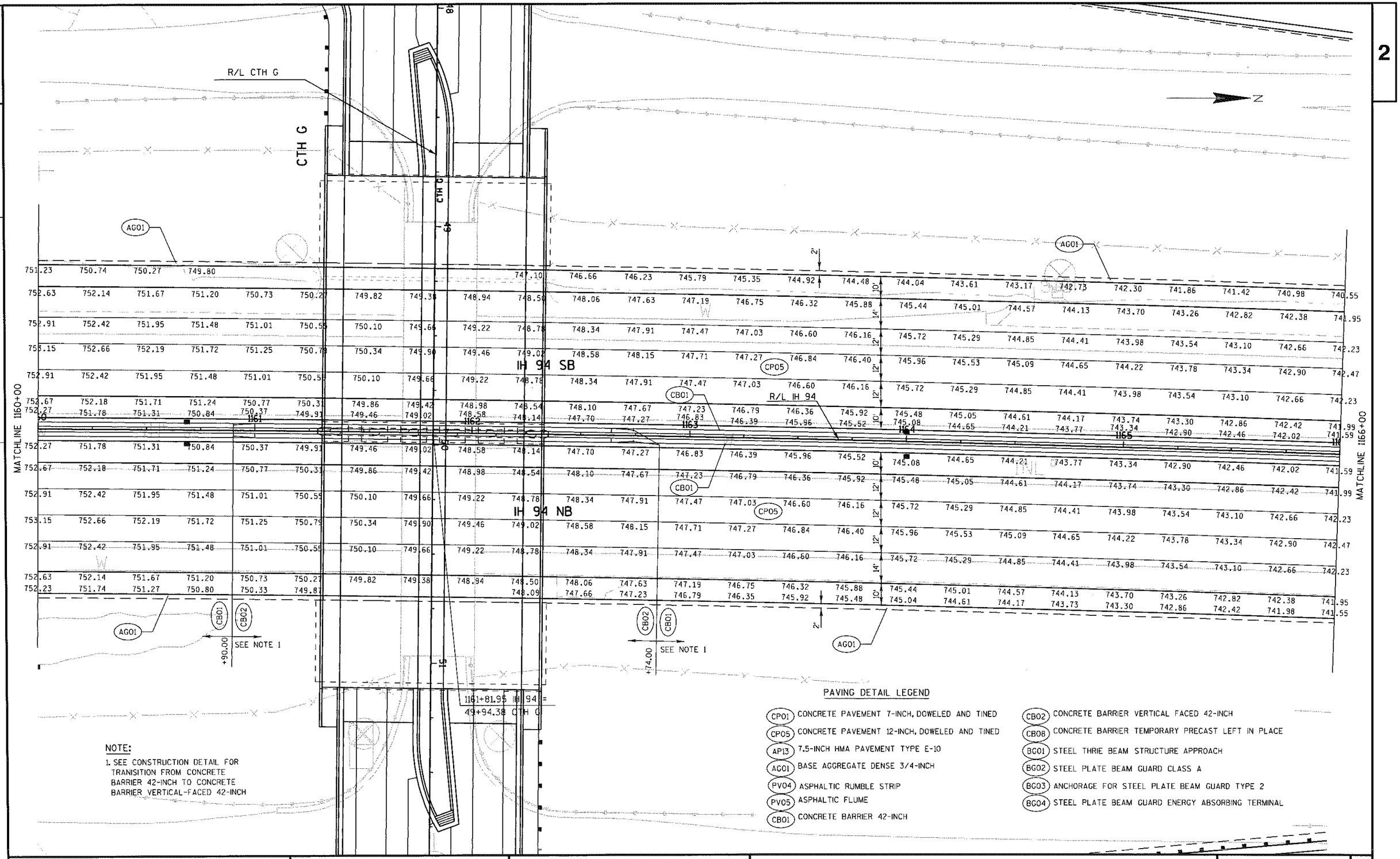


PAVING DETAIL LEGEND

- CP01 CONCRETE PAVEMENT 7-INCH, DOWELED AND TIED
- CP05 CONCRETE PAVEMENT 12-INCH, DOWELED AND TIED
- AP13 7.5-INCH HMA PAVEMENT TYPE E-10
- AG01 BASE AGGREGATE DENSE 3/4-INCH
- PV04 ASPHALTIC RUMBLE STRIP
- PV05 ASPHALTIC FLUME
- CB01 CONCRETE BARRIER 42-INCH
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- BG01 STEEL THRIE BEAM STRUCTURE APPROACH
- BG02 STEEL PLATE BEAM GUARD CLASS A
- BG03 ANCHORAGE FOR STEEL PLATE BEAM GUARD TYPE 2
- BG04 STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL

PROJECT NO: 1030-25-74	HWY: 94/CTH G	COUNTY: RACINE	PLAN DETAILS	SHEET 44	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\021206_pd.dgn PLOT DATE : 02-FEB-2009 10:03 PLOT BY : msccej PLOT NAME : 021206_pd PLOT SCALE : 40:1



NOTE:

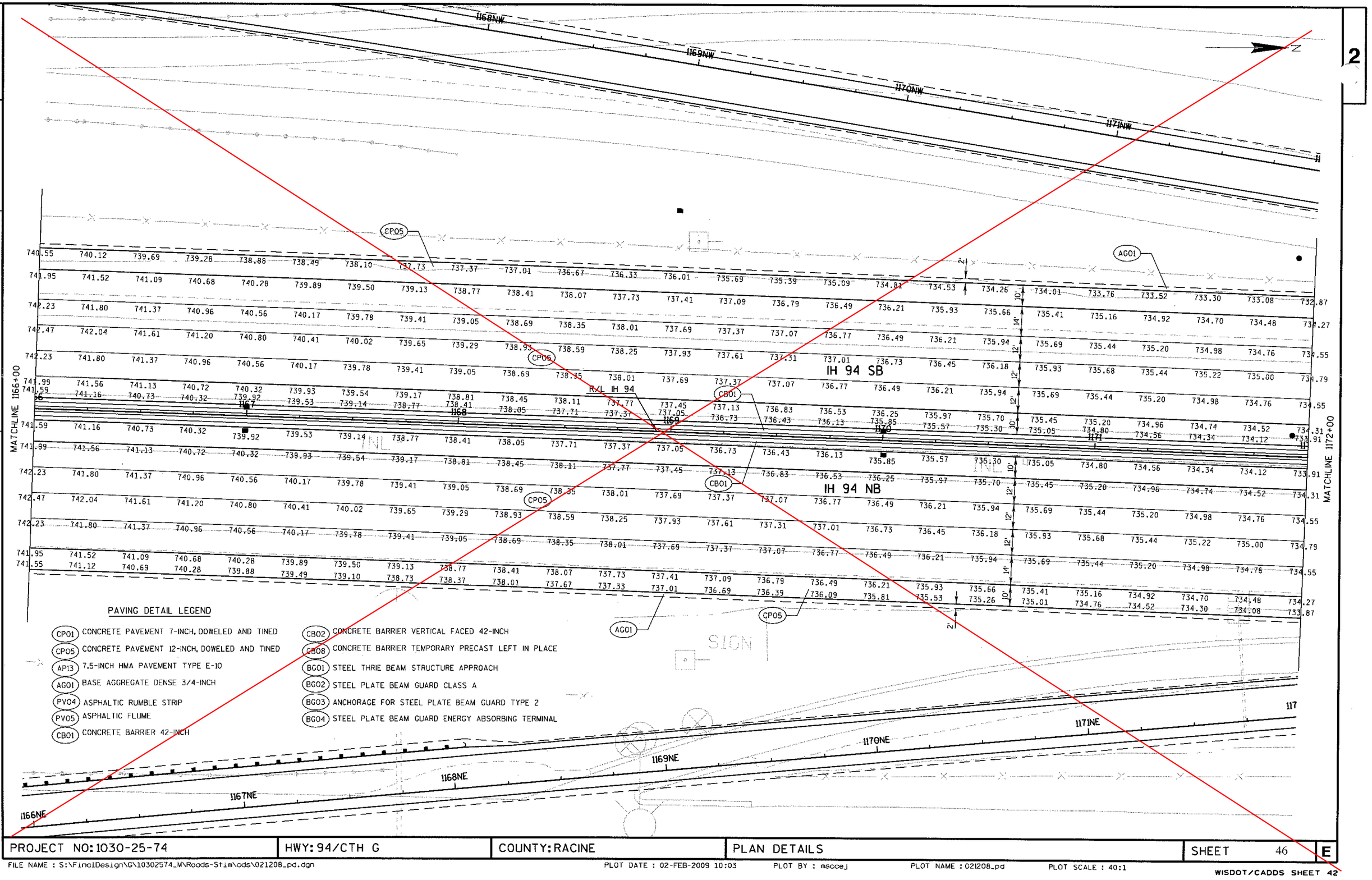
1. SEE CONSTRUCTION DETAIL FOR TRANISITION FROM CONCRETE BARRIER 42-INCH TO CONCRETE BARRIER VERTICAL-FACED 42-INCH

PAVING DETAIL LEGEND

CP01	CONCRETE PAVEMENT 7-INCH, DOWELED AND TINED	CB02	CONCRETE BARRIER VERTICAL FACED 42-INCH
CP05	CONCRETE PAVEMENT 12-INCH, DOWELED AND TINED	CB08	CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
AP13	7.5-INCH HMA PAVEMENT TYPE E-10	BG01	STEEL THRIE BEAM STRUCTURE APPROACH
AG01	BASE AGGREGATE DENSE 3/4-INCH	BG02	STEEL PLATE BEAM GUARD CLASS A
PV04	ASPHALTIC RUMBLE STRIP	BG03	ANCHORAGE FOR STEEL PLATE BEAM GUARD TYPE 2
PV05	ASPHALTIC FLUME	BG04	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
CB01	CONCRETE BARRIER 42-INCH		

PROJECT NO: 1030-25-74	HWY: 94/CTH G	COUNTY: RACINE	PLAN DETAILS	SHEET 45	E

2

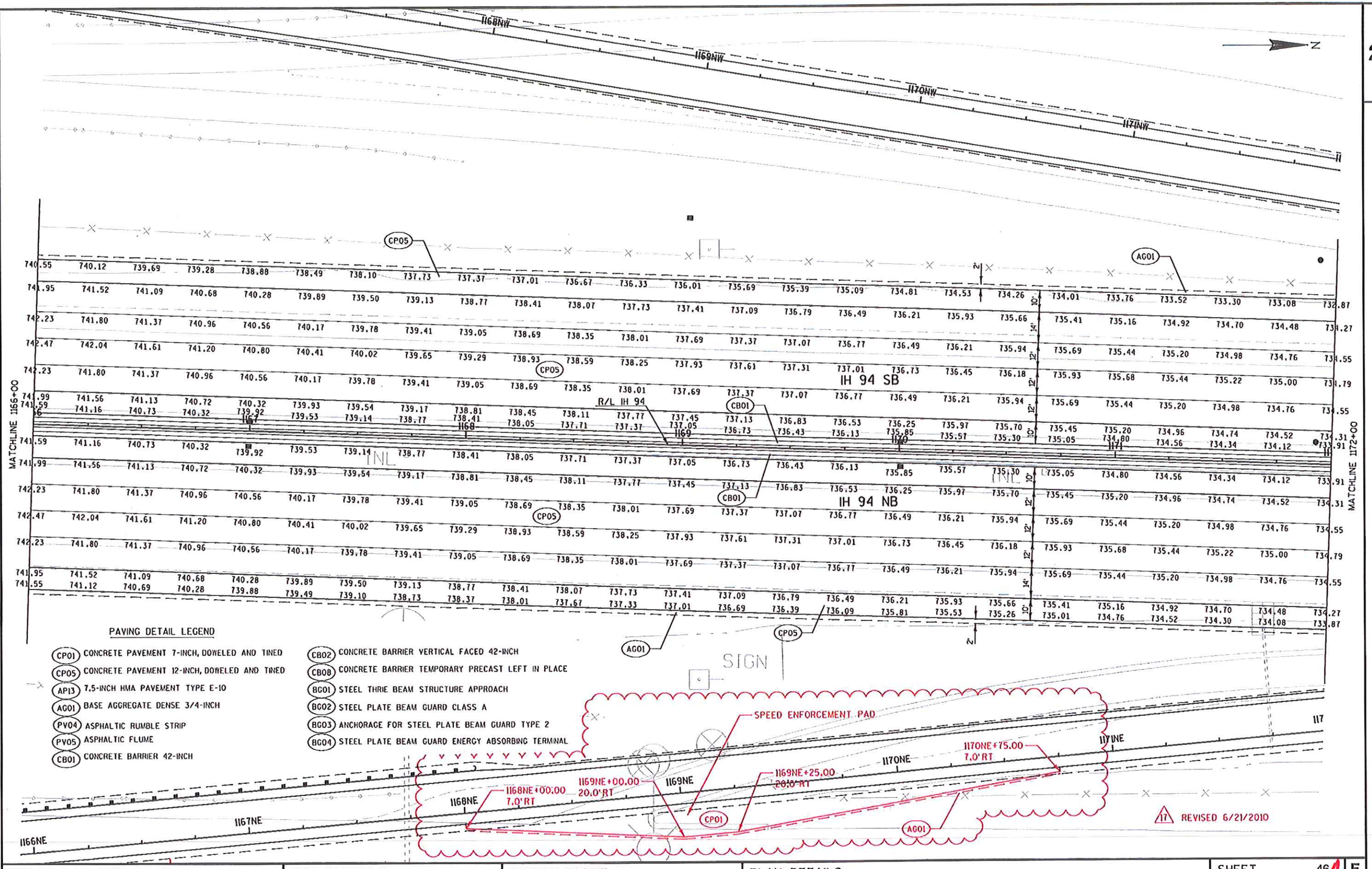


PAVING DETAIL LEGEND

CP01	CONCRETE PAVEMENT 7-INCH, DOWELED AND TINED
CP05	CONCRETE PAVEMENT 12-INCH, DOWELED AND TINED
AP13	7.5-INCH HMA PAVEMENT TYPE E-10
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BG03	ANCHORAGE FOR STEEL PLATE BEAM GUARD TYPE 2
BG04	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL

PROJECT NO: 1030-25-74	HWY: 94/CTH G	COUNTY: RACINE	PLAN DETAILS	SHEET 46	E

2

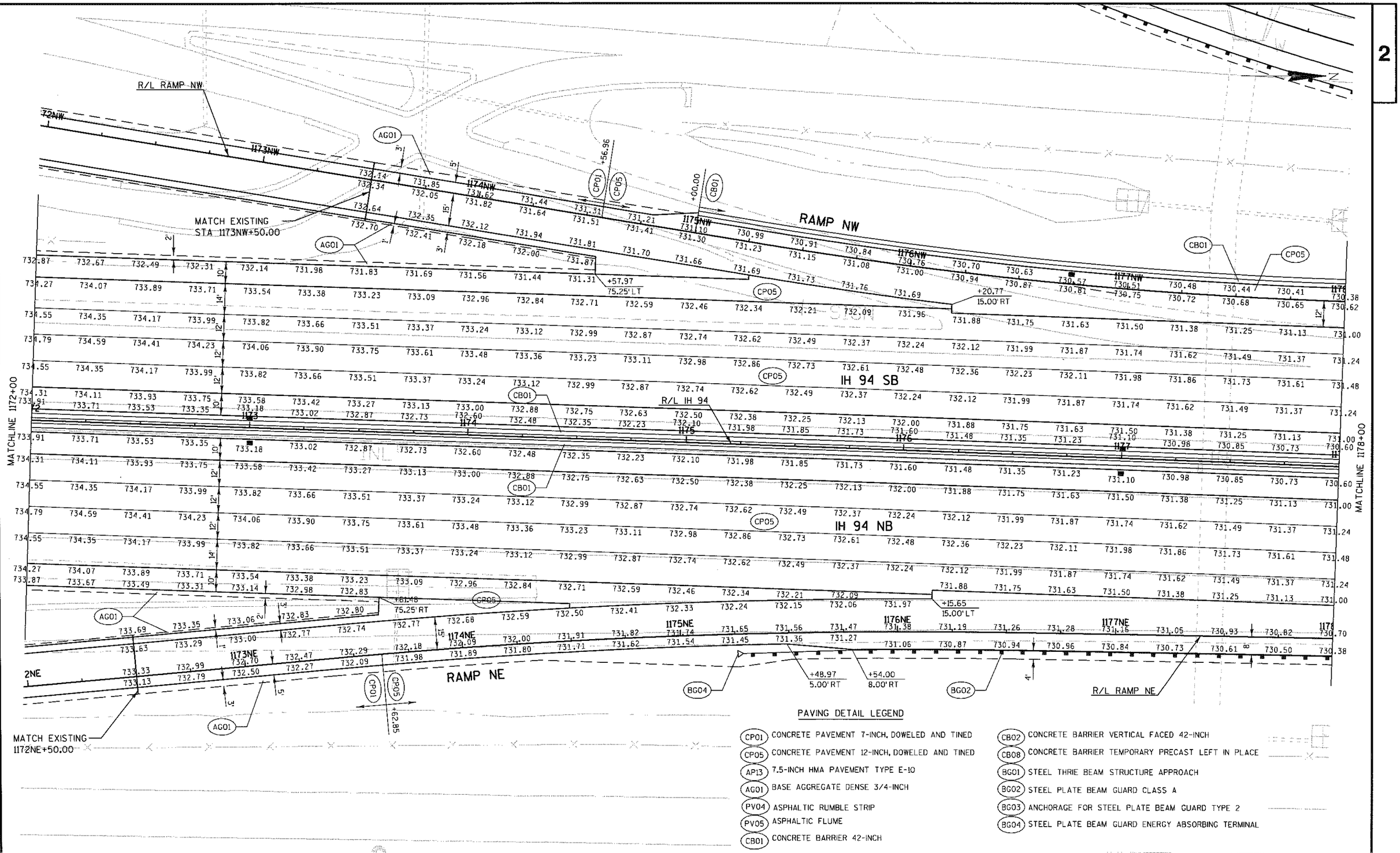


PAVING DETAIL LEGEND

- CP01 CONCRETE PAVEMENT 7-INCH, DOWELED AND TIED
- CP05 CONCRETE PAVEMENT 12-INCH, DOWELED AND TIED
- AP13 7.5-INCH HMA PAVEMENT TYPE E-10
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- CB01 CONCRETE BARRIER 42-INCH
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- CB08 CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
- BG01 STEEL THRIE BEAM STRUCTURE APPROACH
- BG02 STEEL PLATE BEAM GUARD CLASS A
- BG03 ANCHORAGE FOR STEEL PLATE BEAM GUARD TYPE 2
- BG04 STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL

17 REVISED 6/21/2010

PROJECT NO: 1030-25-74	HWY: 94/CTH C	COUNTY: RACINE	PLAN DETAILS	SHEET 46A	E



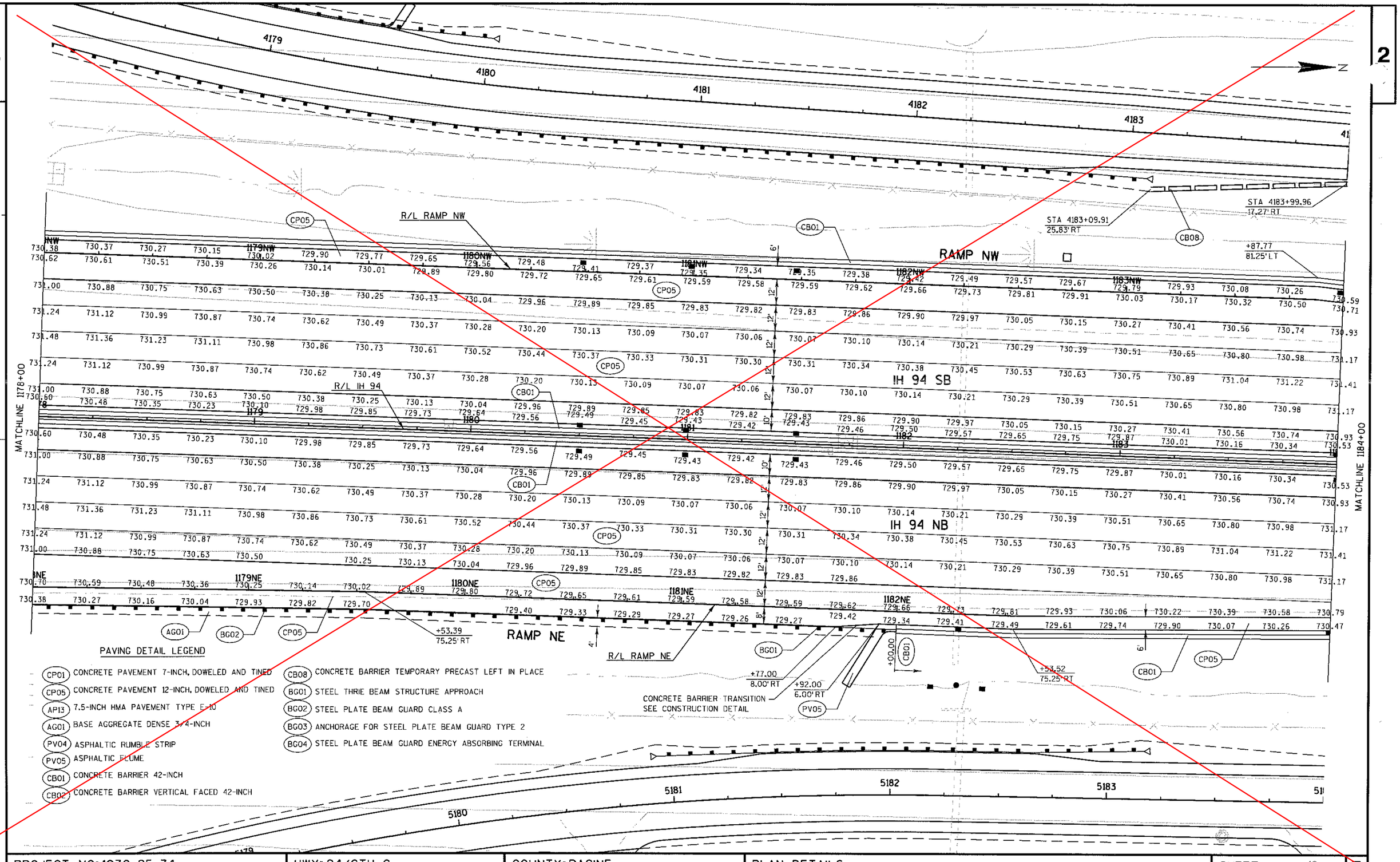
PAVING DETAIL LEGEND

- (CP01) CONCRETE PAVEMENT 7-INCH, DOWELED AND TIED
- (CP05) CONCRETE PAVEMENT 12-INCH, DOWELED AND TIED
- (AP13) 7.5-INCH HMA PAVEMENT TYPE E-10
- (AG01) BASE AGGREGATE DENSE 3/4-INCH
- (PV04) ASPHALTIC RUMBLE STRIP
- (PV05) ASPHALTIC FLUME
- (CB01) CONCRETE BARRIER 42-INCH
- (CB02) CONCRETE BARRIER VERTICAL FACED 42-INCH
- (CB08) CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
- (BG01) STEEL THRIE BEAM STRUCTURE APPROACH
- (BG02) STEEL PLATE BEAM GUARD CLASS A
- (BG03) ANCHORAGE FOR STEEL PLATE BEAM GUARD TYPE 2
- (BG04) STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL

PROJECT NO: 1030-25-74	HWY: 94/CTH G	COUNTY: RACINE	PLAN DETAILS	SHEET 47	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\021209_pd.dgn PLOT DATE : 28-JAN-2009 13:19 PLOT BY : mscdls PLOT NAME : 021209_pd PLOT SCALE : 40:1

2

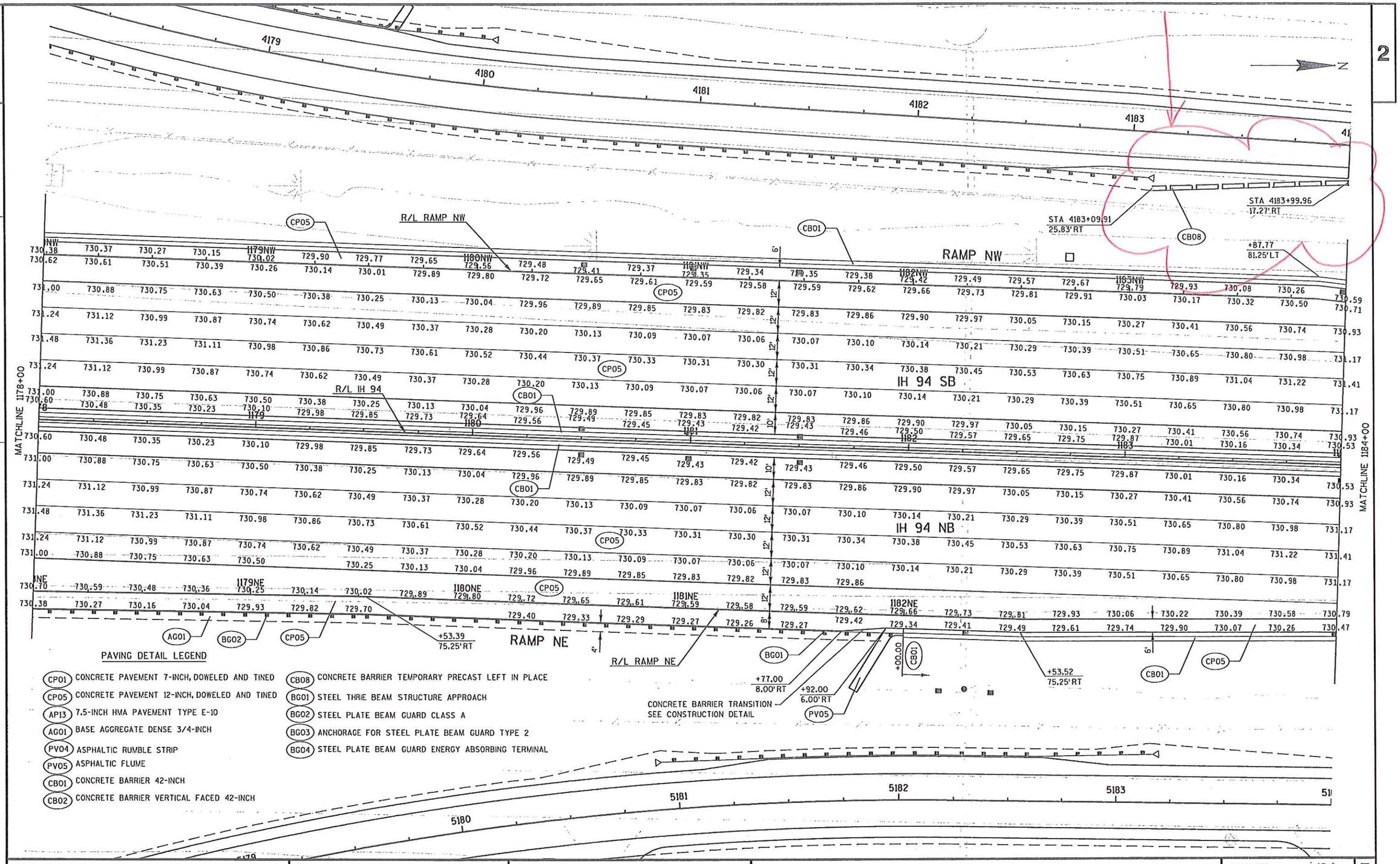


PAVING DETAIL LEGEND

- CP01 CONCRETE PAVEMENT 7-INCH, DOWELED AND TIED
- CP05 CONCRETE PAVEMENT 12-INCH, DOWELED AND TIED
- API3 7.5-INCH HMA PAVEMENT TYPE E-10
- AG01 BASE AGGREGATE DENSE 3/4-INCH
- PV04 ASPHALTIC RUMBLE STRIP
- PV05 ASPHALTIC FLUME
- CB01 CONCRETE BARRIER 42-INCH
- CB02 CONCRETE BARRIER VERTICAL FACED 42-INCH
- CB08 CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
- BG01 STEEL THRIE BEAM STRUCTURE APPROACH
- BG02 STEEL PLATE BEAM GUARD CLASS A
- BG03 ANCHORAGE FOR STEEL PLATE BEAM GUARD TYPE 2
- BG04 STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL

PROJECT NO: 1030-25-74	HWY: 94/CTH G	COUNTY: RACINE	PLAN DETAILS	SHEET 48	E

TEMPORARY BARRIER
WALL NOT INSTALLED



PAVING DETAIL LEGEND

- CP01 CONCRETE PAVEMENT 7-INCH, DOWELED AND TIED
- CP05 CONCRETE PAVEMENT 12-INCH, DOWELED AND TIED
- AP13 7.5-INCH HMA PAVEMENT TYPE E-10
- AG01 BASE AGGREGATE DENSE 3/4-INCH
- PV04 ASPHALTIC RUMBLE STRIP
- PV05 ASPHALTIC FLUME
- CB01 CONCRETE BARRIER 42-INCH
- CB02 CONCRETE BARRIER VERTICAL FACED 42-INCH
- CB08 CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
- BG01 STEEL THRIE BEAM STRUCTURE APPROACH
- BG02 STEEL PLATE BEAM GUARD CLASS A
- BG03 ANCHORAGE FOR STEEL PLATE BEAM GUARD TYPE 2
- BG04 STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL

PROJECT NO: 1030-25-74	HWY: 94/CTH G	COUNTY: RACINE	PLAN DETAILS	SHEET 48A	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\021210_pd.dgn PLOT DATE : 24-FEB-2009 10:33 PLOT BY : MSCESG PLOT NAME : 021210_pd PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

PAVING DETAIL LEGEND

- CP01 CONCRETE PAVEMENT 7-INCH, DOWELED AND TINED
- CP05 CONCRETE PAVEMENT 12-INCH, DOWELED AND TINED
- AP13 7.5-INCH HMA PAVEMENT TYPE E-10
- AG01 BASE AGGREGATE DENSE 3/4-INCH
- PV04 ASPHALTIC RUMBLE STRIP
- PV05 ASPHALTIC FLUME
- CB01 CONCRETE BARRIER 42-INCH
- CB02 CONCRETE BARRIER VERTICAL FACED 42-INCH
- CB08 CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
- BG01 STEEL THRIE BEAM STRUCTURE APPROACH
- BG02 STEEL PLATE BEAM GUARD CLASS A
- BG03 ANCHORAGE FOR STEEL PLATE BEAM GUARD TYPE 2
- BG04 STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL

N

WEST FRONTAGE ROAD

4185

EDGE OF EXISTING PAVEMENT

RAMP NW

RAMP NE

EAST FRONTAGE ROAD

IH 94 SB

IH 94 NB

R/L IH 94

MATCHLINE 1184+00

MATCH END OF EXISTING BARRIER, STA 1188+74

MATCH EXISTING STA 1188+85.00

1185 1186 1187 1188 1189 1190

5185 5186 5187

PROJECT NO: 1030-25-74	HWY: 94/CTH G	COUNTY: RACINE	PLAN DETAILS	SHEET 49	E

TEMPORARY BARRIER WALL NOT INSTALLED

2

2

PAVING DETAIL LEGEND

- CP01 CONCRETE PAVEMENT 7-INCH, DOWELED AND TIED
- CP05 CONCRETE PAVEMENT 12-INCH, DOWELED AND TIED
- AP13 7.5-INCH HMA PAVEMENT TYPE E-10
- AG01 BASE AGGREGATE DENSE 3/4-INCH
- PV04 ASPHALTIC RUMBLE STRIP
- PV05 ASPHALTIC FLUME
- CB01 CONCRETE BARRIER 42-INCH
- CB02 CONCRETE BARRIER VERTICAL FACED 42-INCH
- CB08 CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
- BG01 STEEL THRIE BEAM STRUCTURE APPROACH
- BG02 STEEL PLATE BEAM GUARD CLASS A
- BG03 ANCHORAGE FOR STEEL PLATE BEAM GUARD TYPE 2
- BG04 STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL

N

84 4185

WEST FRONTAGE ROAD

EDGE OF EXISTING PAVEMENT

RAMP NW

MATCHLINE 1184+00

R/L IH 94

IH 94 SB

IH 94 NB

MATCH END OF EXISTING BARRIER, STA 1188+74

MATCH EXISTING STA 1188+85.00

RAMP NE

84 5185 5186 5187

EAST FRONTAGE ROAD

PROJECT NO: 1030-25-74	HWY: 94/CTH G	COUNTY: RACINE	PLAN DETAILS	SHEET 49 A	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\021211_pd.dgn PLOT DATE : 24-FEB-2009 10:33 PLOT BY : MSCESG PLOT NAME : 021211_pd PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

2

N

WEST FRONTAGE ROAD

EDGE OF EXISTING PAVEMENT

16'

+35.02
109.98' LT

CC

CB08

STA 1193+37.44
71.24' LT

AP13

CB08

STA 1196+23.96
57.57' LT

IH 94 SB

END CONSTRUCTION
I.D. 1030-25-74
STA 1196+23.96

1191 1192 1193 1194 1195 1196

IH 94 NB

16'

CB08

AP13

STA 1191+73.78
76.40' RT

STA 1196+01.72
60.18' RT

EAST FRONTAGE ROAD

PAVING DETAIL LEGEND

CP01	CONCRETE PAVEMENT 7-INCH, DOWELED AND TINED
CP05	CONCRETE PAVEMENT 12-INCH, DOWELED AND TINED
AP13	7.5-INCH HMA PAVEMENT TYPE E-10
AG01	BASE AGGREGATE DENSE 3/4-INCH
PV04	ASPHALTIC RUMBLE STRIP
PV05	ASPHALTIC FLUME
CB01	CONCRETE BARRIER 42-INCH
CB02	CONCRETE BARRIER VERTICAL FACED 42-INCH
CB08	CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
BG01	STEEL THRIE BEAM STRUCTURE APPROACH
BG02	STEEL PLATE BEAM GUARD CLASS A
BG03	ANCHORAGE FOR STEEL PLATE BEAM GUARD TYPE 2
BG04	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
CC	CRASH CUSHION TEMPORARY LEFT IN PLACE

TEMPORARY BARRIER WALL AND CRASH CUSHION NOT INSTALLED.

N

WEST FRONTAGE ROAD

EDGE OF EXISTING PAVEMENT

+35.02
109.98'LT
CC.

CB08

STA 1193+37.44
71.24'LT

AP13

CB08

STA 1196+23.96
57.57'LT

VANE DRAIN
1194+76 ~ 1194+96

IH 94 SB

END CONSTRUCTION
I.D. 1030-25-74
STA 1196+23.96

1191 1192 1193 1194 1195 1196

* ALL 4 VANE DRAINS CONNECTED TO TRUNK LINE IMMEDIATELY SOUTH OF DRAIN AS SHOWN BELOW;

6" PVC CORED & MORTARED INTO TRUNK LINE

IH 94 NB

VANE DRAINS
1195+50 ~ 1195+79,
1197+20 ~ 1197+60, 1198+60 ~ 1199+00

NOT SHOWN

16'

AP13

CB08

STA 1191+73.78
76.40'RT

STA 1196+01.72
60.18'RT

* EXISTING STORM DRAINS TO EAST DITCH @ THIS LOCATION

TOP OF PAVEMENT

VANE DRAIN

EAST FRONTAGE ROAD

STORM SEWER TRUNK LINE

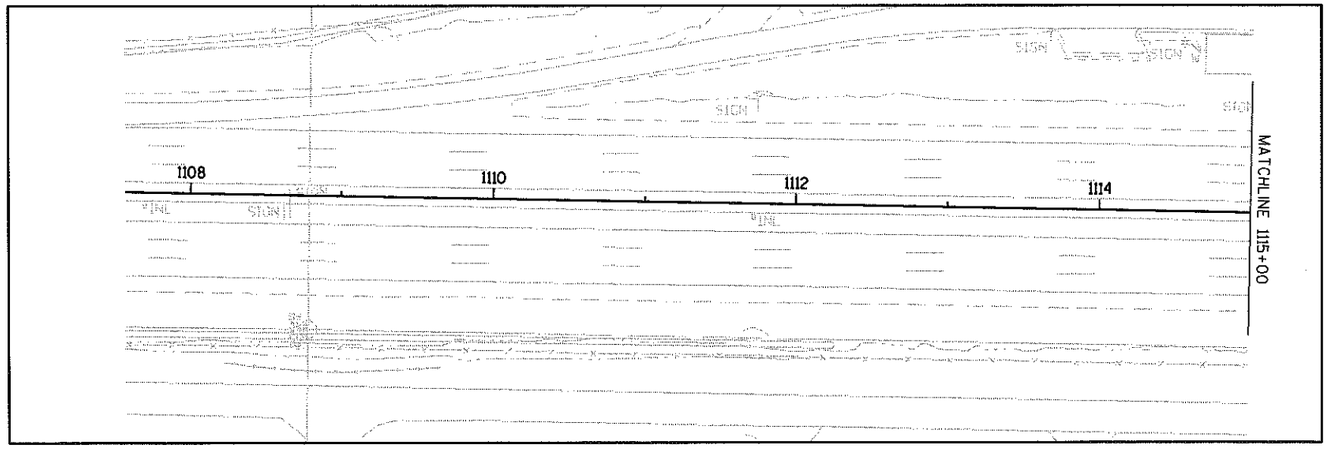
15" CMP

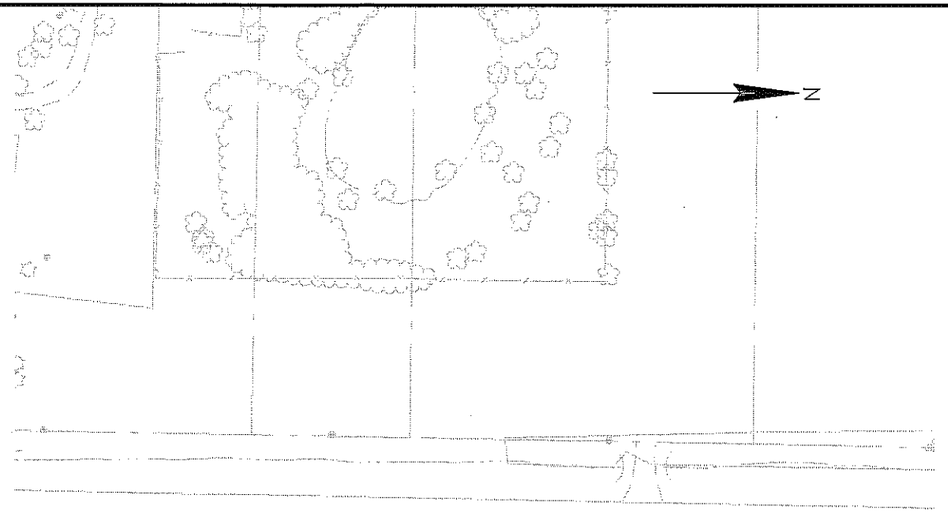
VANE DRAIN PROFILE

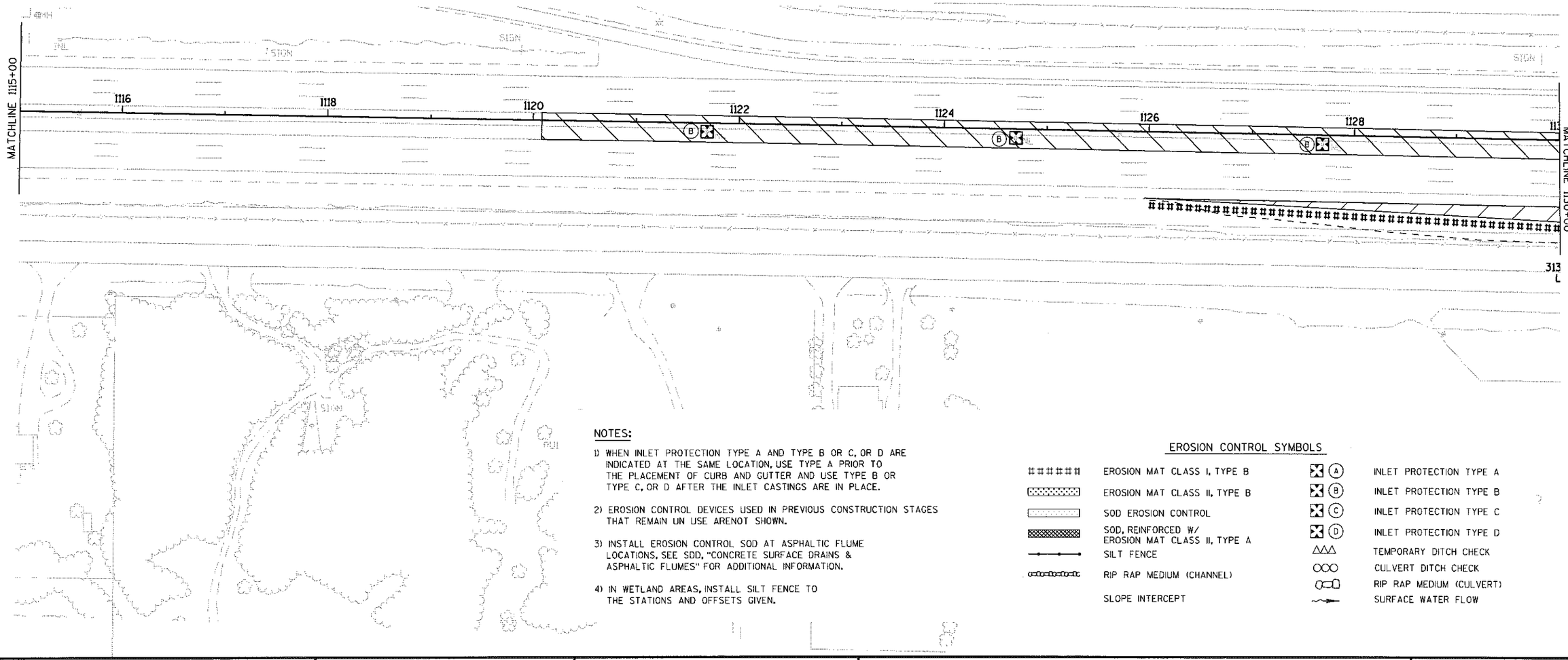
PAVING DETAIL LEGEND

CP01	CONCRETE PAVEMENT 7-INCH, DOWELED AND TINED	CB02	CONCRETE BARRIER VERTICAL FACED 42-INCH
CP05	CONCRETE PAVEMENT 12-INCH, DOWELED AND TINED	CB08	CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
AP13	7.5-INCH HMA PAVEMENT TYPE E-10	BG01	STEEL THRIE BEAM STRUCTURE APPROACH
AG01	BASE AGGREGATE DENSE 3/4-INCH	BG02	STEEL PLATE BEAM GUARD CLASS A
PV04	ASPHALTIC RUMBLE STRIP	BG03	ANCHORAGE FOR STEEL PLATE BEAM GUARD TYPE 2
PV05	ASPHALTIC FLUME	BG04	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
CB01	CONCRETE BARRIER 42-INCH	CC	CRASH CUSHION TEMPORARY LEFT IN PLACE

PROJECT NO: 1030-25-74	HWY: 94/CTH G	COUNTY: RACINE	PLAN DETAILS	SHEET 50A	E







NOTES:

1) WHEN INLET PROTECTION TYPE A AND TYPE B OR C, OR D ARE INDICATED AT THE SAME LOCATION, USE TYPE A PRIOR TO THE PLACEMENT OF CURB AND GUTTER AND USE TYPE B OR TYPE C, OR D AFTER THE INLET CASTINGS ARE IN PLACE.

2) EROSION CONTROL DEVICES USED IN PREVIOUS CONSTRUCTION STAGES THAT REMAIN IN USE ARENOT SHOWN.

3) INSTALL EROSION CONTROL SOD AT ASPHALTIC FLUME LOCATIONS, SEE SDD, "CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES" FOR ADDITIONAL INFORMATION.

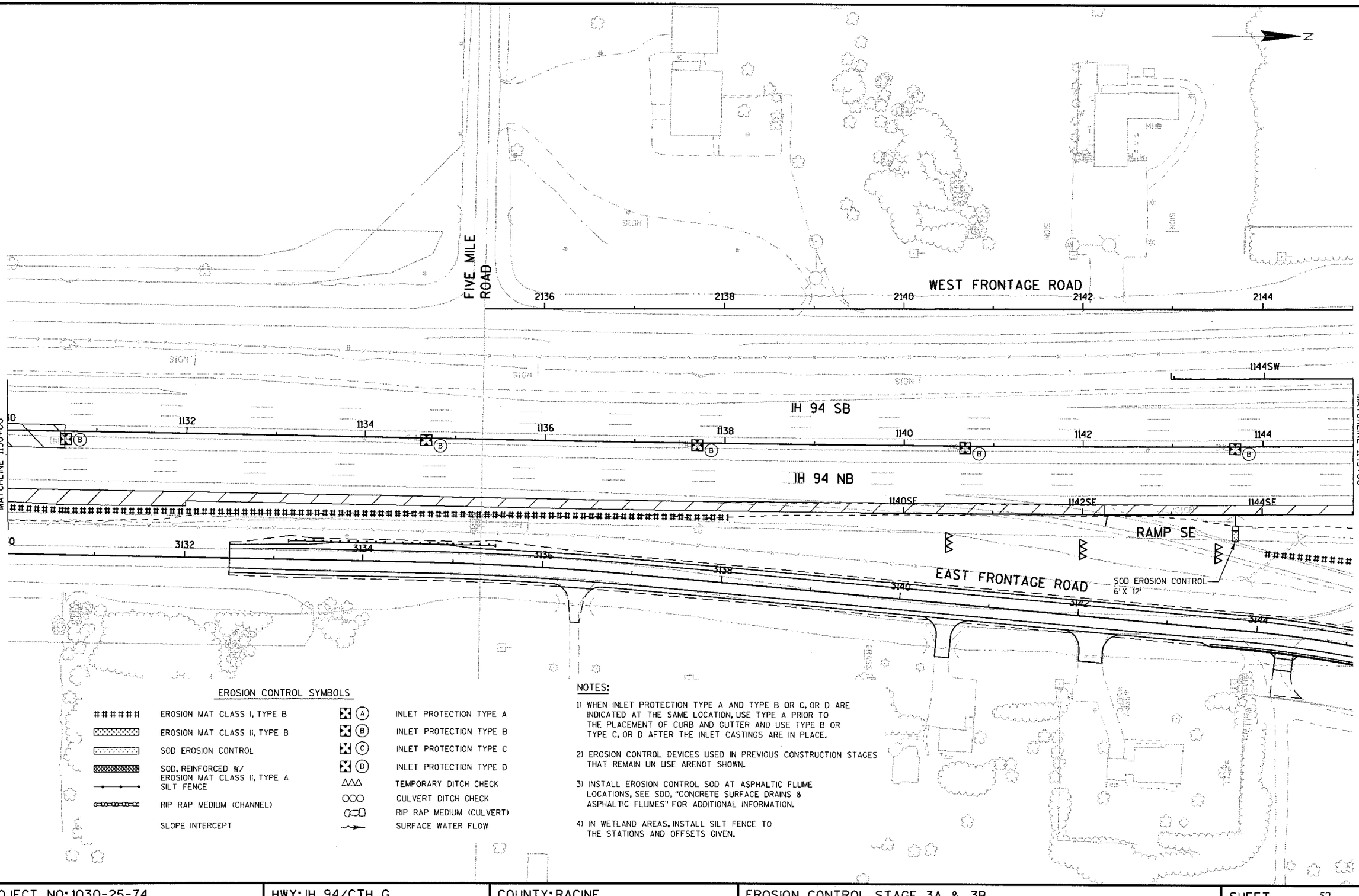
4) IN WETLAND AREAS, INSTALL SILT FENCE TO THE STATIONS AND OFFSETS GIVEN.

EROSION CONTROL SYMBOLS

######	EROSION MAT CLASS I, TYPE B	(A)	INLET PROTECTION TYPE A
	EROSION MAT CLASS II, TYPE B	(B)	INLET PROTECTION TYPE B
	SOD EROSION CONTROL	(C)	INLET PROTECTION TYPE C
	SOD, REINFORCED W/ EROSION MAT CLASS II, TYPE A	(D)	INLET PROTECTION TYPE D
	SILT FENCE	△△△	TEMPORARY DITCH CHECK
	RIP RAP MEDIUM (CHANNEL)	○○○	CULVERT DITCH CHECK
			RIP RAP MEDIUM (CULVERT)
	SLOPE INTERCEPT		SURFACE WATER FLOW

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	EROSION CONTROL STAGE 3A & 3B	SHEET 51	E

2



EROSION CONTROL SYMBOLS

######	EROSION MAT CLASS I, TYPE B
	EROSION MAT CLASS II, TYPE B
	SOD EROSION CONTROL
	SOD, REINFORCED W/ EROSION MAT CLASS II, TYPE A
	SILT FENCE
	RIP RAP MEDIUM (CHANNEL)
	SLOPE INTERCEPT
Ⓐ	INLET PROTECTION TYPE A
Ⓑ	INLET PROTECTION TYPE B
Ⓒ	INLET PROTECTION TYPE C
Ⓓ	INLET PROTECTION TYPE D
	TEMPORARY DITCH CHECK
	CULVERT DITCH CHECK
	RIP RAP MEDIUM (CULVERT)
	SURFACE WATER FLOW

NOTES:

1) WHEN INLET PROTECTION TYPE A AND TYPE B OR C, OR D ARE INDICATED AT THE SAME LOCATION, USE TYPE A PRIOR TO THE PLACEMENT OF CURB AND GUTTER AND USE TYPE B OR TYPE C, OR D AFTER THE INLET CASTINGS ARE IN PLACE.

2) EROSION CONTROL DEVICES USED IN PREVIOUS CONSTRUCTION STAGES THAT REMAIN UN USE ARENOT SHOWN.

3) INSTALL EROSION CONTROL SOD AT ASPHALTIC FLUME LOCATIONS, SEE SDD, "CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES" FOR ADDITIONAL INFORMATION.

4) IN WETLAND AREAS, INSTALL SILT FENCE TO THE STATIONS AND OFFSETS GIVEN.

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	EROSION CONTROL STAGE 3A & 3B	SHEET 52	E

EROSION CONTROL SYMBOLS

- ###### EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SOD EROSION CONTROL
- SOD, REINFORCED W/ EROSION MAT CLASS II, TYPE A
- SILT FENCE
- RIP RAP MEDIUM (CHANNEL)
- SLOPE INTERCEPT
- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- TEMPORARY DITCH CHECK
- CULVERT DITCH CHECK
- RIP RAP MEDIUM (CULVERT)
- SURFACE WATER FLOW

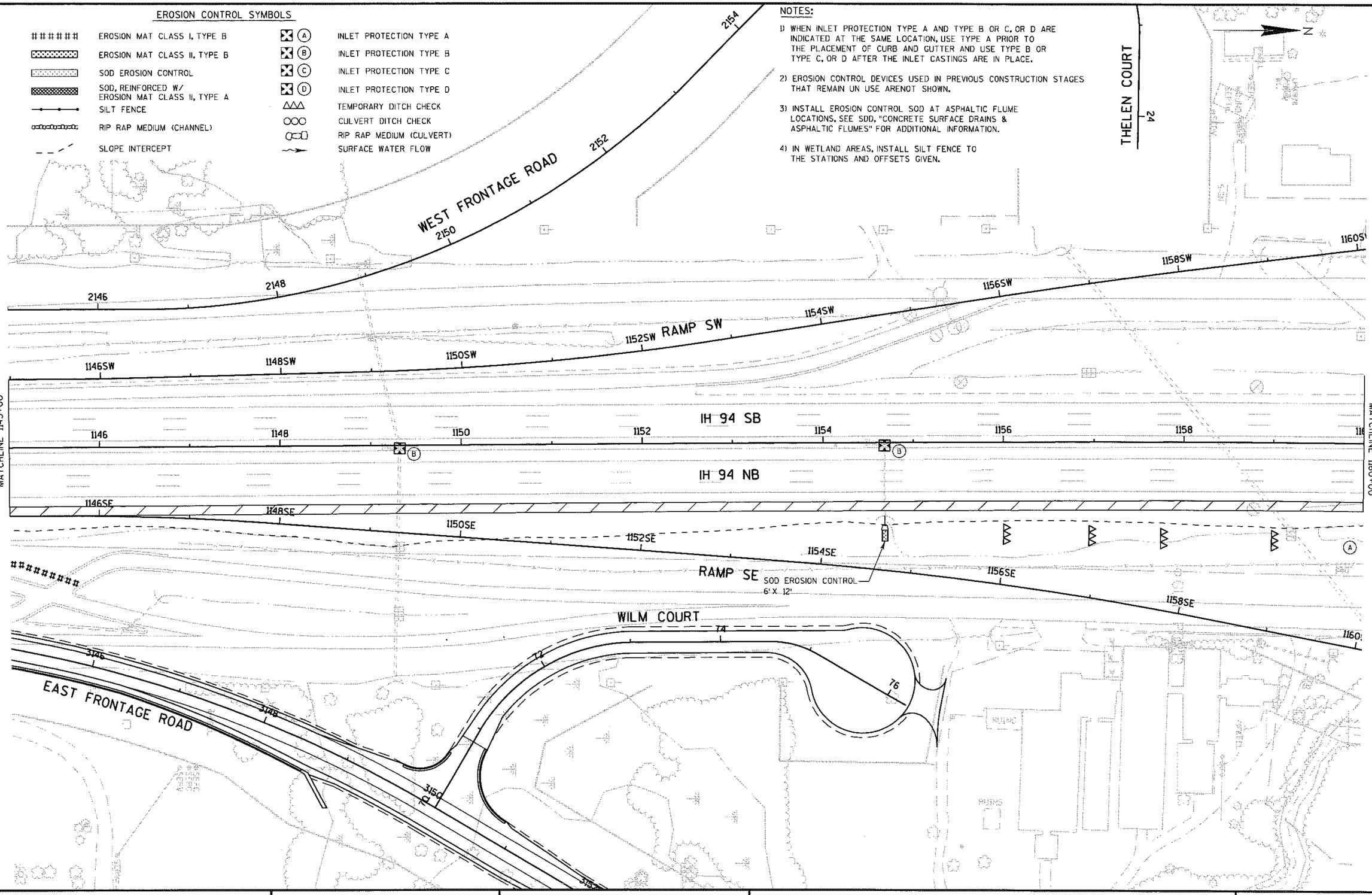
NOTES:

1) WHEN INLET PROTECTION TYPE A AND TYPE B OR C, OR D ARE INDICATED AT THE SAME LOCATION, USE TYPE A PRIOR TO THE PLACEMENT OF CURB AND GUTTER AND USE TYPE B OR TYPE C, OR D AFTER THE INLET CASTINGS ARE IN PLACE.

2) EROSION CONTROL DEVICES USED IN PREVIOUS CONSTRUCTION STAGES THAT REMAIN UN USE ARENOT SHOWN.

3) INSTALL EROSION CONTROL SOD AT ASPHALTIC FLUME LOCATIONS. SEE SDD, "CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES" FOR ADDITIONAL INFORMATION.

4) IN WETLAND AREAS, INSTALL SILT FENCE TO THE STATIONS AND OFFSETS GIVEN.



PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	EROSION CONTROL STAGE 3A & 3B	SHEET 53	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\022003_ec.dgn PLOT DATE : 28-JAN-2009 13:21 PLOT BY : mscdls PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

NOTES:

1) WHEN INLET PROTECTION TYPE A AND TYPE B OR C, OR D ARE INDICATED AT THE SAME LOCATION, USE TYPE A PRIOR TO THE PLACEMENT OF CURB AND GUTTER AND USE TYPE B OR TYPE C, OR D AFTER THE INLET CASTINGS ARE IN PLACE.

2) EROSION CONTROL DEVICES USED IN PREVIOUS CONSTRUCTION STAGES THAT REMAIN UN USE ARENOT SHOWN.

3) INSTALL EROSION CONTROL SOD AT ASPHALTIC FLUME LOCATIONS, SEE SDD, "CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES" FOR ADDITIONAL INFORMATION.

4) IN WETLAND AREAS, INSTALL SILT FENCE TO THE STATIONS AND OFFSETS GIVEN.

EROSION CONTROL SYMBOLS

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SOD EROSION CONTROL
- SOD, REINFORCED W/ EROSION MAT CLASS II, TYPE A
- SILT FENCE
- RIP RAP MEDIUM (CHANNEL)
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A
- INLET PROTECTION TYPE B
- INLET PROTECTION TYPE C
- INLET PROTECTION TYPE D
- TEMPORARY DITCH CHECK
- CULVERT DITCH CHECK
- RIP RAP MEDIUM (CULVERT)
- SURFACE WATER FLOW

N

EAST FRONTAGE ROAD 4172 4174

1162NW 1164NW 1166NW RAMP NW 1168NW 1170NW 1172NW 1174NW

CTH G

46 48 50 52 54

MATCHLINE 1160+00

1162 1164 1166 1168 1170 1172 1174

IH 94 SB

IH 94 NB

MATCHLINE 1175+00

SOD EROSION CONTROL 6' X 12'

1174NE 1172NE 1170NE 1168NE 1166NE 1164NE 1162NE

RAMP NE

CTH G

EAST FRONTAGE ROAD 5174

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	EROSION CONTROL STAGE 3A & 3B	SHEET 54	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\022004_ec.dgn PLOT DATE : 28-JAN-2009 13:21 PLOT BY : mscdls PLOT NAME : PLOT SCALE : 100:1

EROSION CONTROL SYMBOLS

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SOD EROSION CONTROL
- SOD, REINFORCED W/ EROSION MAT CLASS II, TYPE A
- SILT FENCE
- RIP RAP MEDIUM (CHANNEL)
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A
- INLET PROTECTION TYPE B
- INLET PROTECTION TYPE C
- INLET PROTECTION TYPE D
- TEMPORARY DITCH CHECK
- CULVERT DITCH CHECK
- RIP RAP MEDIUM (CULVERT)
- SURFACE WATER FLOW

NOTES:

1) WHEN INLET PROTECTION TYPE A AND TYPE B OR C, OR D ARE INDICATED AT THE SAME LOCATION, USE TYPE A PRIOR TO THE PLACEMENT OF CURB AND GUTTER AND USE TYPE B OR TYPE C, OR D AFTER THE INLET CASTINGS ARE IN PLACE.

2) EROSION CONTROL DEVICES USED IN PREVIOUS CONSTRUCTION STAGES THAT REMAIN IN USE ARENOT SHOWN.

3) INSTALL EROSION CONTROL SOD AT ASPHALTIC FLUME LOCATIONS. SEE SDD, "CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES" FOR ADDITIONAL INFORMATION.

4) IN WETLAND AREAS, INSTALL SILT FENCE TO THE STATIONS AND OFFSETS GIVEN.

N

4176 4178 4180 4182 4184 4186 WEST FRONTAGE ROAD

1176NW 1178NW RAMP NW 1180NW 1182NW

MATCHLINE 1175+00

IH 94 SB

1176 1178 1180 1182 1184 1186 1188

IH 94 NB

1176NE 1178NE 1180NE 1182NE

RAMP NE

5176 5178 5180 5182 5184 5186 EAST FRONTAGE ROAD

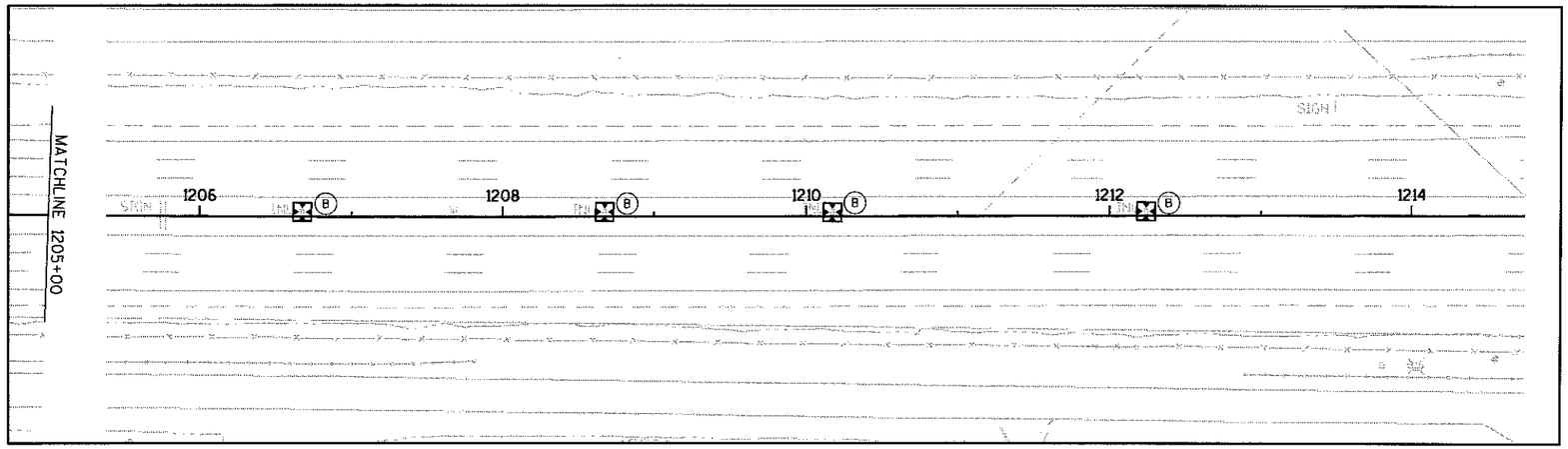
SLOPE INTERCEPT

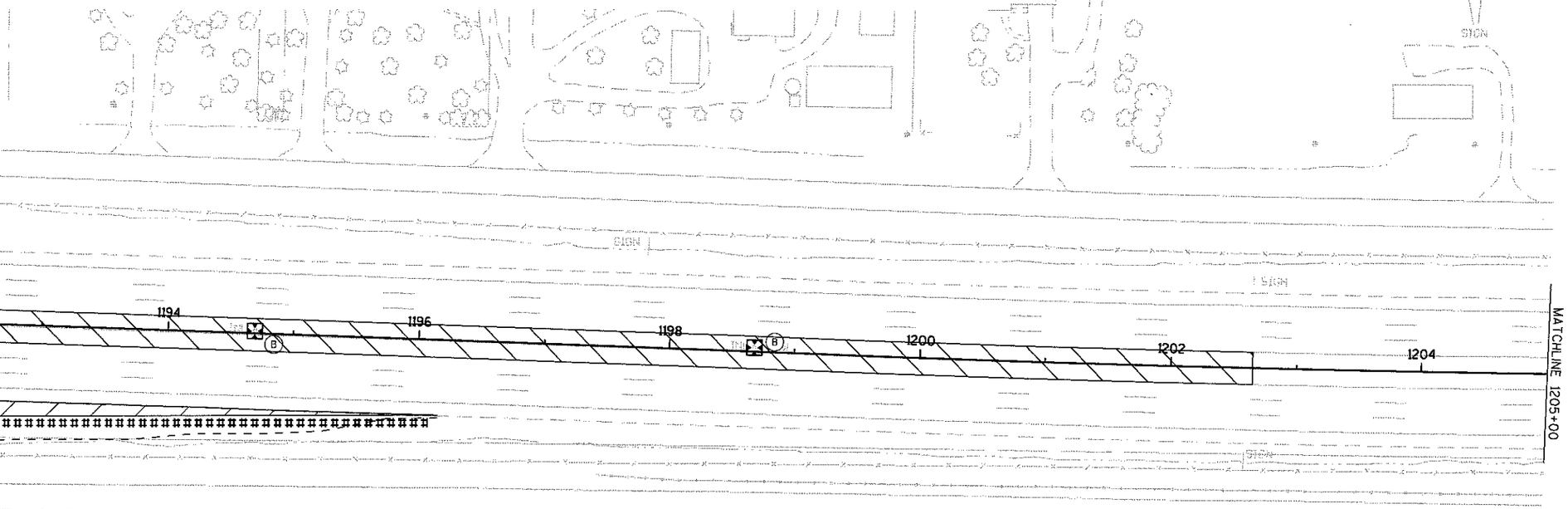
MATCHLINE 1175+00

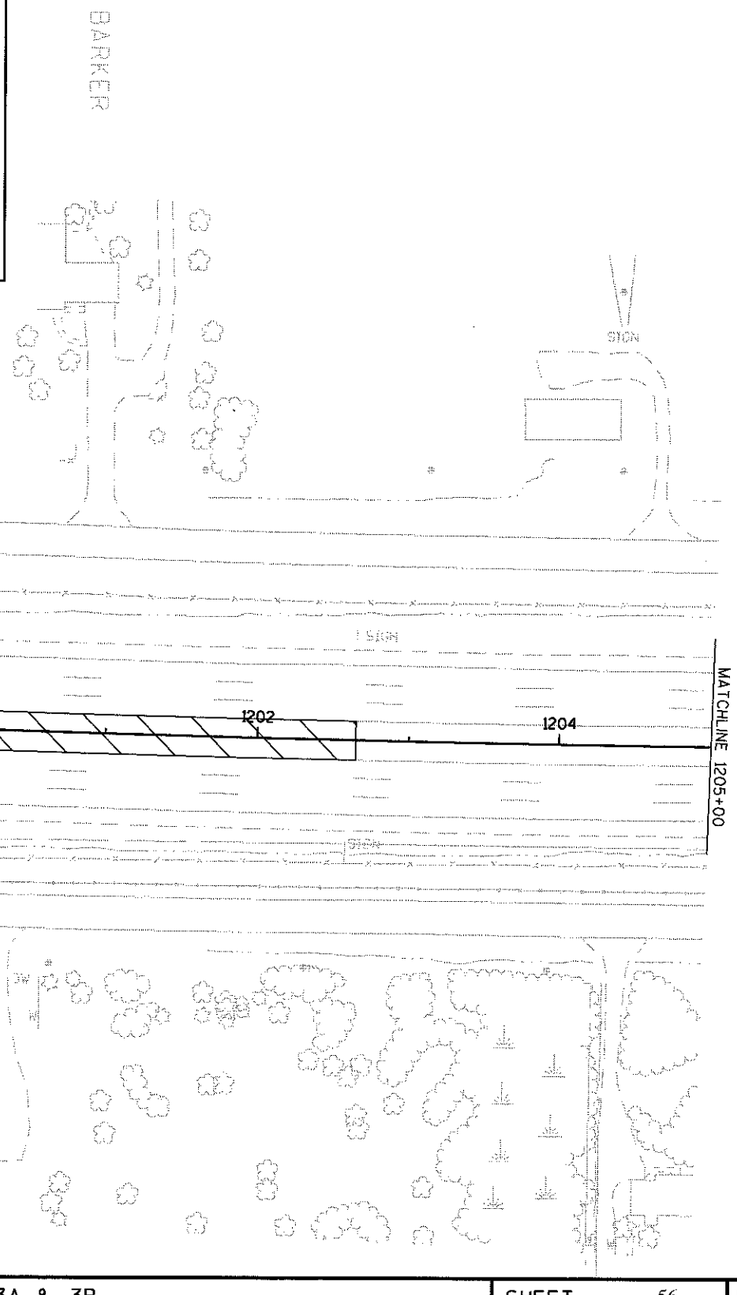
PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	EROSION CONTROL STAGE 3A & 3B	SHEET 55	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\022005_ec.dgn PLOT DATE : 28-JAN-2009 13:22 PLOT BY : mscdls PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42







EROSION CONTROL SYMBOLS

######	EROSION MAT CLASS I, TYPE B	Ⓐ	INLET PROTECTION TYPE A
	EROSION MAT CLASS II, TYPE B	Ⓑ	INLET PROTECTION TYPE B
	SOD EROSION CONTROL	Ⓒ	INLET PROTECTION TYPE C
	SOD, REINFORCED W/ EROSION MAT CLASS II, TYPE A	Ⓓ	INLET PROTECTION TYPE D
	SILT FENCE	△△△	TEMPORARY DITCH CHECK
	RIP RAP MEDIUM (CHANNEL)	○○○	CULVERT DITCH CHECK
	SLOPE INTERCEPT		RIP RAP MEDIUM (CULVERT)
			SURFACE WATER FLOW

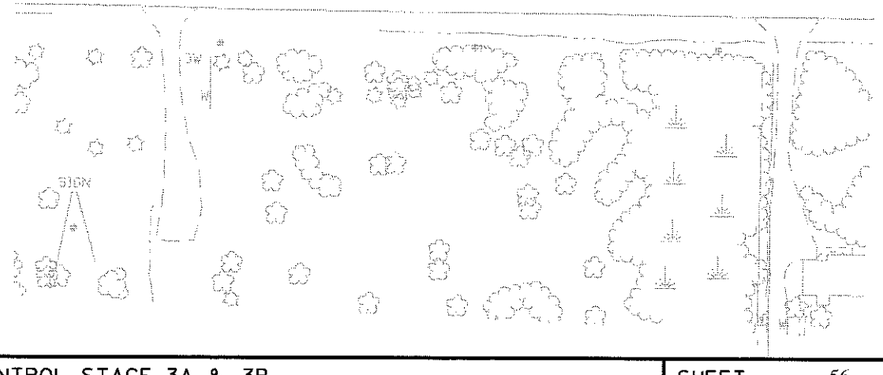
NOTES:

1) WHEN INLET PROTECTION TYPE A AND TYPE B OR C, OR D ARE INDICATED AT THE SAME LOCATION, USE TYPE A PRIOR TO THE PLACEMENT OF CURB AND GUTTER AND USE TYPE B OR TYPE C, OR D AFTER THE INLET CASTINGS ARE IN PLACE.

2) EROSION CONTROL DEVICES USED IN PREVIOUS CONSTRUCTION STAGES THAT REMAIN UN USE ARENOT SHOWN.

3) INSTALL EROSION CONTROL SOD AT ASPHALTIC FLUME LOCATIONS, SEE SDD, "CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES" FOR ADDITIONAL INFORMATION.

4) IN WETLAND AREAS, INSTALL SILT FENCE TO THE STATIONS AND OFFSETS GIVEN.



PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	EROSION CONTROL STAGE 3A & 3B	SHEET 56	E

2

N

1116 1118 1120 1122 1124 1126 1128

MATCHLINE 1130+00

313
L

NOTES:

1) WHEN INLET PROTECTION TYPE A AND TYPE B OR C, OR D ARE INDICATED AT THE SAME LOCATION, USE TYPE A PRIOR TO THE PLACEMENT OF CURB AND GUTTER AND USE TYPE B OR TYPE C, OR D AFTER THE INLET CASTINGS ARE IN PLACE.

2) EROSION CONTROL DEVICES USED IN PREVIOUS CONSTRUCTION STAGES THAT REMAIN UN USE ARENOT SHOWN.

3) INSTALL EROSION CONTROL SOD AT ASPHALTIC FLUME LOCATIONS, SEE SDD, "CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES" FOR ADDITIONAL INFORMATION.

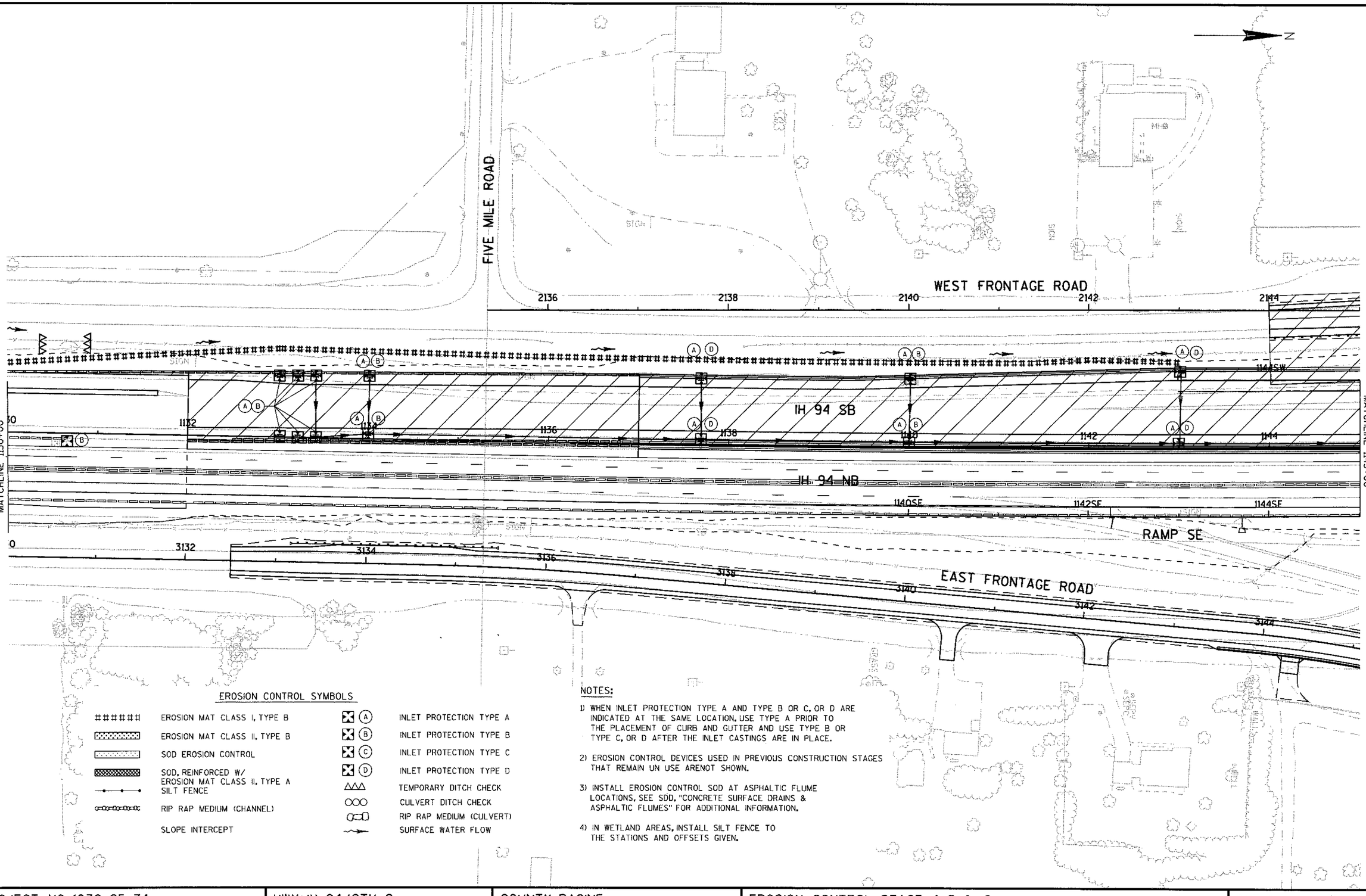
4) IN WETLAND AREAS, INSTALL SILT FENCE TO THE STATIONS AND OFFSETS GIVEN.

EROSION CONTROL SYMBOLS

######	EROSION MAT CLASS I, TYPE B	(A)	INLET PROTECTION TYPE A
	EROSION MAT CLASS II, TYPE B	(B)	INLET PROTECTION TYPE B
	SOD EROSION CONTROL	(C)	INLET PROTECTION TYPE C
	SOD, REINFORCED W/ EROSION MAT CLASS II, TYPE A	(D)	INLET PROTECTION TYPE D
	SILT FENCE	△△△	TEMPORARY DITCH CHECK
	RIP RAP MEDIUM (CHANNEL)	○○○	CULVERT DITCH CHECK
	SLOPE INTERCEPT		RIP RAP MEDIUM (CULVERT)
		~→	SURFACE WATER FLOW

PROJECT NO:1030-25-74	HWY: IH 94/CTH G	COUNTY:RACINE	EROSION CONTROL STAGE 4, 5 & 6	SHEET 57	E

2



EROSION CONTROL SYMBOLS

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SOD EROSION CONTROL
- SOD, REINFORCED W/ EROSION MAT CLASS II, TYPE A
- SILT FENCE
- RIP RAP MEDIUM (CHANNEL)
- SLOPE INTERCEPT
- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- TEMPORARY DITCH CHECK
- CULVERT DITCH CHECK
- RIP RAP MEDIUM (CULVERT)
- SURFACE WATER FLOW

NOTES:

1) WHEN INLET PROTECTION TYPE A AND TYPE B OR C, OR D ARE INDICATED AT THE SAME LOCATION, USE TYPE A PRIOR TO THE PLACEMENT OF CURB AND GUTTER AND USE TYPE B OR TYPE C, OR D AFTER THE INLET CASTINGS ARE IN PLACE.

2) EROSION CONTROL DEVICES USED IN PREVIOUS CONSTRUCTION STAGES THAT REMAIN UN USE ARENOT SHOWN.

3) INSTALL EROSION CONTROL SOD AT ASPHALTIC FLUME LOCATIONS, SEE SDD, "CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES" FOR ADDITIONAL INFORMATION.

4) IN WETLAND AREAS, INSTALL SILT FENCE TO THE STATIONS AND OFFSETS GIVEN.

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	EROSION CONTROL STAGE 4, 5 & 6	SHEET 58	E

EROSION CONTROL SYMBOLS

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SOD EROSION CONTROL
- SOD, REINFORCED W/ EROSION MAT CLASS II, TYPE A
- SILT FENCE
- RIP RAP MEDIUM (CHANNEL)
- SLOPE INTERCEPT
- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- TEMPORARY DITCH CHECK
- CULVERT DITCH CHECK
- RIP RAP MEDIUM (CULVERT)
- SURFACE WATER FLOW

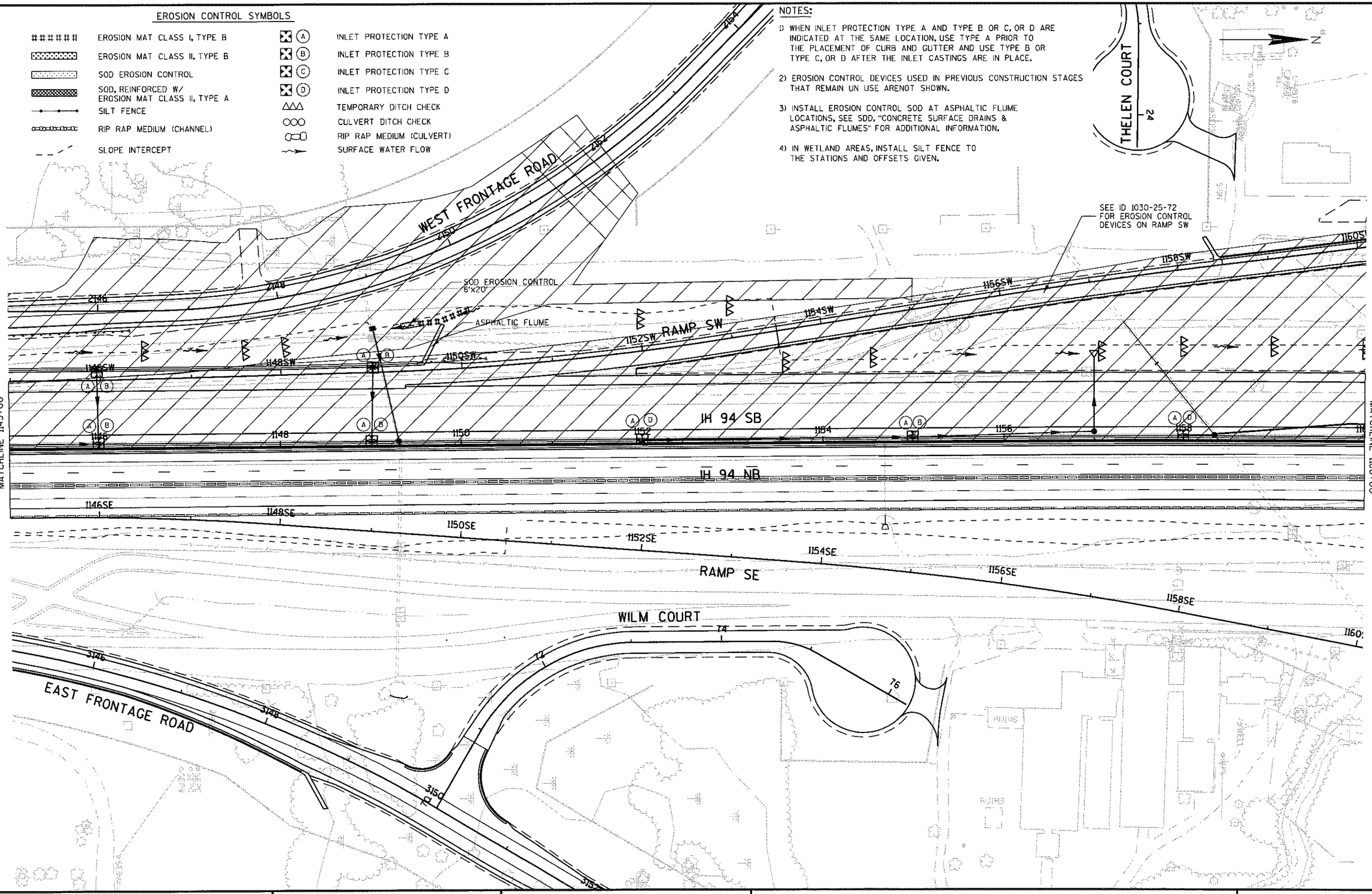
NOTES:

1) WHEN INLET PROTECTION TYPE A AND TYPE B OR C, OR D ARE INDICATED AT THE SAME LOCATION, USE TYPE A PRIOR TO THE PLACEMENT OF CURB AND GUTTER AND USE TYPE B OR TYPE C, OR D AFTER THE INLET CASTINGS ARE IN PLACE.

2) EROSION CONTROL DEVICES USED IN PREVIOUS CONSTRUCTION STAGES THAT REMAIN UN USE ARENOT SHOWN.

3) INSTALL EROSION CONTROL SOD AT ASPHALTIC FLUME LOCATIONS, SEE SDD, "CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES" FOR ADDITIONAL INFORMATION.

4) IN WETLAND AREAS, INSTALL SILT FENCE TO THE STATIONS AND OFFSETS GIVEN.



PROJECT NO:1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	EROSION CONTROL STAGE 4, 5 & 6	SHEET 59	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\022009_ec.dgn PLOT DATE : 28-JAN-2009 13:23 PLOT BY : mscdls PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

2

NOTES:

1) WHEN INLET PROTECTION TYPE A AND TYPE B OR C, OR D ARE INDICATED AT THE SAME LOCATION. USE TYPE A PRIOR TO THE PLACEMENT OF CURB AND GUTTER AND USE TYPE B OR TYPE C, OR D AFTER THE INLET CASTINGS ARE IN PLACE.

2) EROSION CONTROL DEVICES USED IN PREVIOUS CONSTRUCTION STAGES THAT REMAIN UN USE ARENOT SHOWN.

3) INSTALL EROSION CONTROL SOD AT ASPHALTIC FLUME LOCATIONS. SEE SDD, "CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES" FOR ADDITIONAL INFORMATION.

4) IN WETLAND AREAS, INSTALL SILT FENCE TO THE STATIONS AND OFFSETS GIVEN.

EROSION CONTROL SYMBOLS

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SOD EROSION CONTROL
- SOD, REINFORCED W/ EROSION MAT CLASS II, TYPE A
- SILT FENCE
- RIP RAP MEDIUM (CHANNEL)
- SLOPE INTERCEPT
- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- TEMPORARY DITCH CHECK
- CULVERT DITCH CHECK
- RIP RAP MEDIUM (CULVERT)
- SURFACE WATER FLOW

N

EAST FRONTAGE ROAD

DETENTION POND NW

SEE ID 1030-25-72 FOR EROSION CONTROL DEVICES ON RAMP NW

SEE ID 1030-25-71 FOR EROSION CONTROL DEVICES

RAMP NW

RAMP NE

IH 94 SB

IH 94 NB

CTH G

MATCHLINE 1160+00

MATCHLINE 1175+00

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	EROSION CONTROL STAGE 4, 5 & 6	SHEET 60	E

EROSION CONTROL SYMBOLS

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SOD EROSION CONTROL
- SOD, REINFORCED W/ EROSION MAT CLASS II, TYPE A
- SILT FENCE
- RIP RAP MEDIUM (CHANNEL)
- SLOPE INTERCEPT
- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- TEMPORARY DITCH CHECK
- CULVERT DITCH CHECK
- RIP RAP MEDIUM (CULVERT)
- SURFACE WATER FLOW

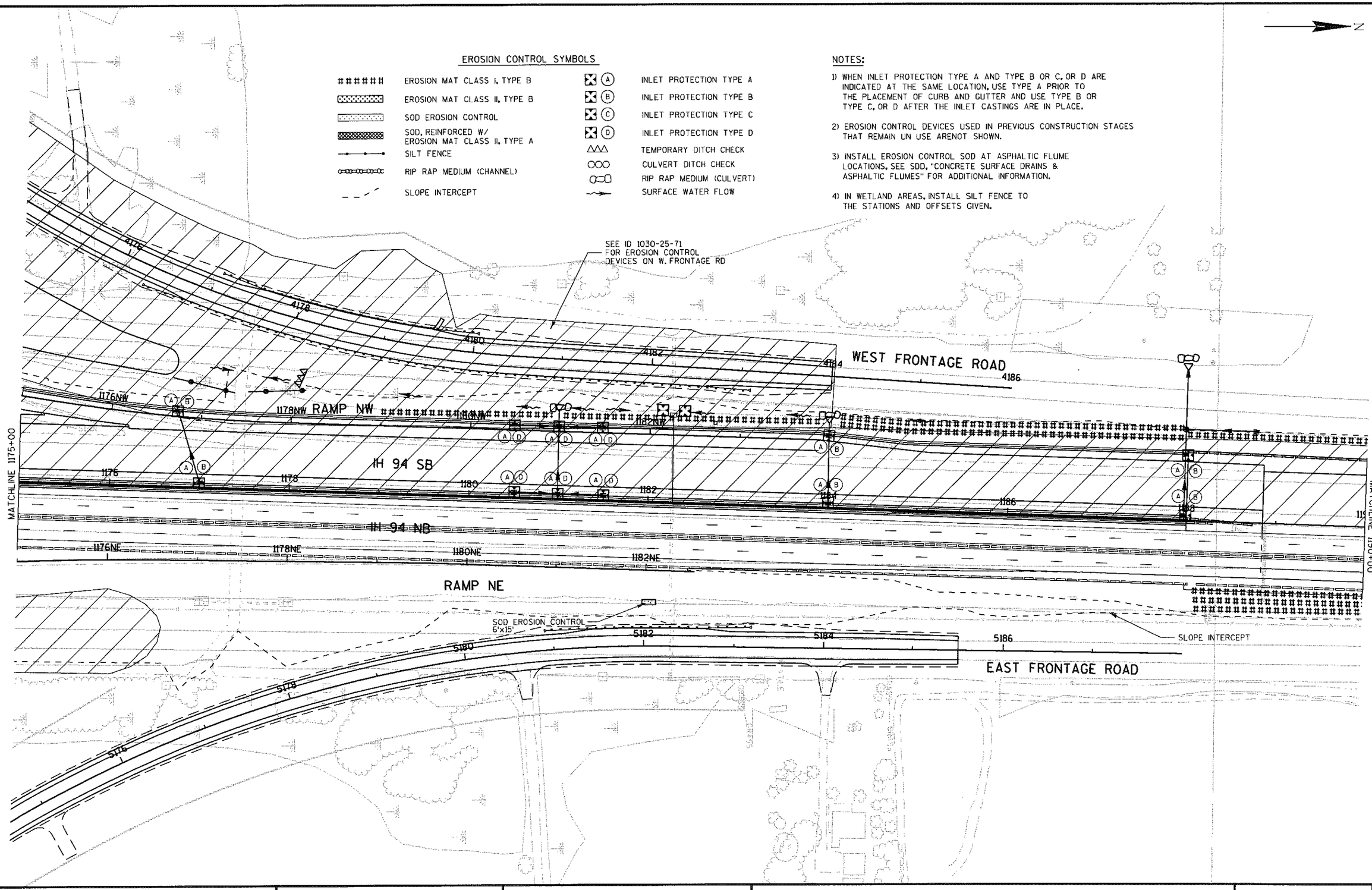
NOTES:

1) WHEN INLET PROTECTION TYPE A AND TYPE B OR C, OR D ARE INDICATED AT THE SAME LOCATION, USE TYPE A PRIOR TO THE PLACEMENT OF CURB AND GUTTER AND USE TYPE B OR TYPE C, OR D AFTER THE INLET CASTINGS ARE IN PLACE.

2) EROSION CONTROL DEVICES USED IN PREVIOUS CONSTRUCTION STAGES THAT REMAIN IN USE ARENOT SHOWN.

3) INSTALL EROSION CONTROL SOD AT ASPHALTIC FLUME LOCATIONS, SEE SDD, "CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES" FOR ADDITIONAL INFORMATION.

4) IN WETLAND AREAS, INSTALL SILT FENCE TO THE STATIONS AND OFFSETS GIVEN.



PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	EROSION CONTROL STAGE 4, 5 & 6	SHEET 61	E

2

N

SCHAEFER

BARKER

SIGN

SLOPE INTERCEPT

W. FRONTAGE ROAD

SIGN

MATCHLINE 1190+00

1190

1192

1194

1196

1198

1200

1202

1204

IH 94 SB

IH 94 NB

SLOPE INTERCEPT

EROSION CONTROL SYMBOLS

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SOD EROSION CONTROL
- SOD, REINFORCED W/ EROSION MAT CLASS II, TYPE A
- SILT FENCE
- RIP RAP MEDIUM (CHANNEL)
- SLOPE INTERCEPT
- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- TEMPORARY DITCH CHECK
- CULVERT DITCH CHECK
- RIP RAP MEDIUM (CULVERT)
- SURFACE WATER FLOW

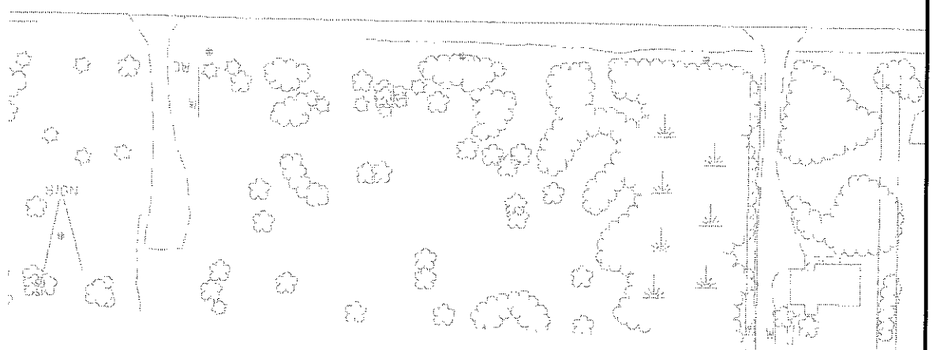
NOTES:

1) WHEN INLET PROTECTION TYPE A AND TYPE B OR C, OR D ARE INDICATED AT THE SAME LOCATION, USE TYPE A PRIOR TO THE PLACEMENT OF CURB AND GUTTER AND USE TYPE B OR TYPE C, OR D AFTER THE INLET CASTINGS ARE IN PLACE.

2) EROSION CONTROL DEVICES USED IN PREVIOUS CONSTRUCTION STAGES THAT REMAIN IN USE ARENOT SHOWN.

3) INSTALL EROSION CONTROL SOD AT ASPHALTIC FLUME LOCATIONS, SEE SDD, "CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES" FOR ADDITIONAL INFORMATION.

4) IN WETLAND AREAS, INSTALL SILT FENCE TO THE STATIONS AND OFFSETS GIVEN.



PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	EROSION CONTROL STAGE 4, 5 & 6	SHEET 62	E

2

2

N

IH 94 SB

IH 94 NB

1116 1118 1120 1122 1124 1126 1128

MATCHLINE 1130+00

313

NOTES:

1) WHEN INLET PROTECTION TYPE A AND TYPE B OR C, OR D ARE INDICATED AT THE SAME LOCATION, USE TYPE A PRIOR TO THE PLACEMENT OF CURB AND GUTTER AND USE TYPE B OR TYPE C, OR D AFTER THE INLET CASTINGS ARE IN PLACE.

2) EROSION CONTROL DEVICES USED IN PREVIOUS CONSTRUCTION STAGES THAT REMAIN IN USE ARENOT SHOWN.

3) INSTALL EROSION CONTROL SOD AT ASPHALTIC FLUME LOCATIONS, SEE SDD, "CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES" FOR ADDITIONAL INFORMATION.

4) IN WETLAND AREAS, INSTALL SILT FENCE TO THE STATIONS AND OFFSETS GIVEN.

EROSION CONTROL SYMBOLS

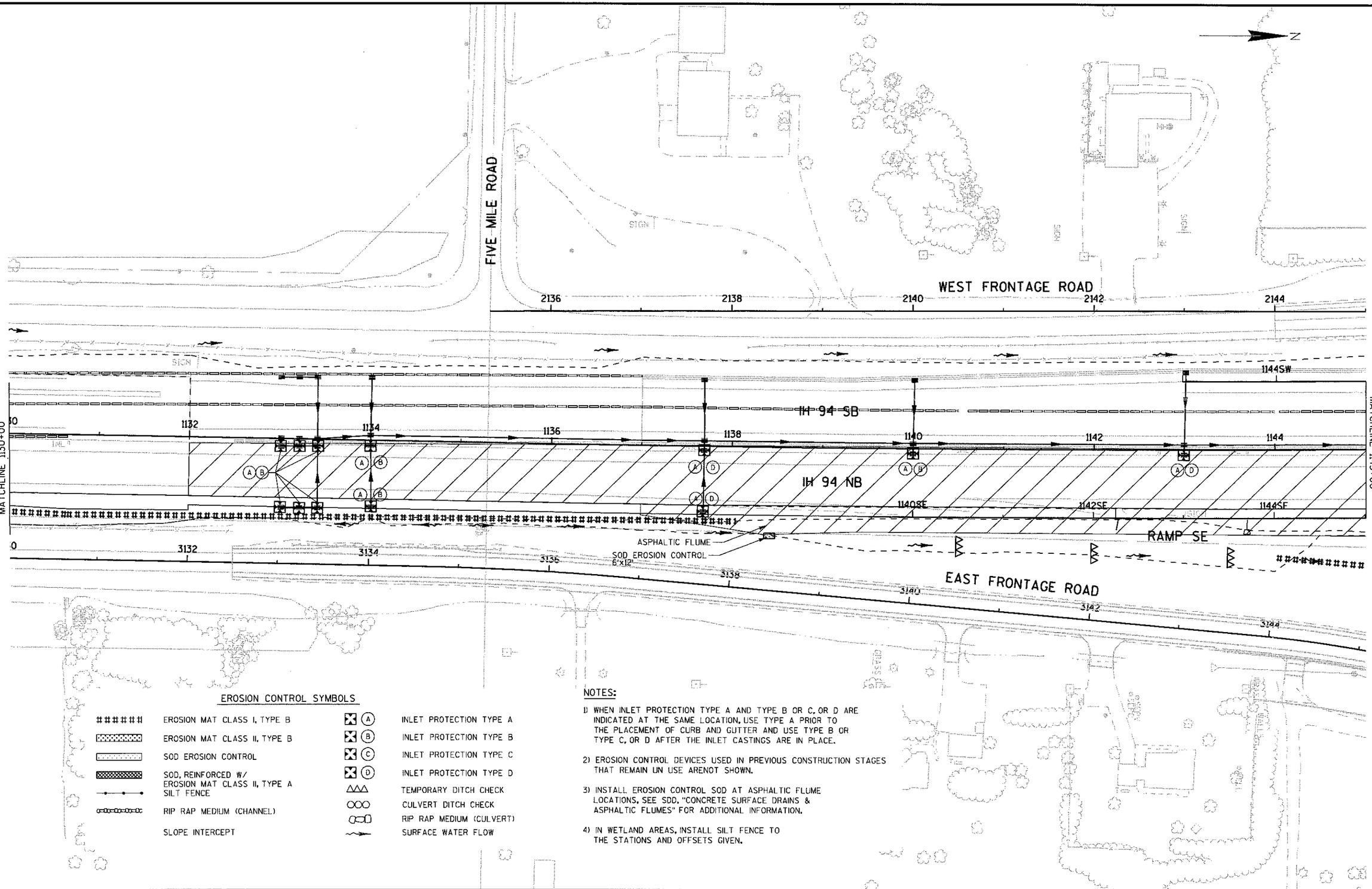
######	EROSION MAT CLASS I, TYPE B	(A)	INLET PROTECTION TYPE A
	EROSION MAT CLASS II, TYPE B	(B)	INLET PROTECTION TYPE B
	SOD EROSION CONTROL	(C)	INLET PROTECTION TYPE C
	SOD, REINFORCED W/ EROSION MAT CLASS II, TYPE A	(D)	INLET PROTECTION TYPE D
	SILT FENCE	△△△	TEMPORARY DITCH CHECK
	RIP RAP MEDIUM (CHANNEL)	○○○	CULVERT DITCH CHECK
			RIP RAP MEDIUM (CULVERT)
	SLOPE INTERCEPT		SURFACE WATER FLOW

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	EROSION CONTROL STAGE 7	SHEET 63	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\022013_ec.dgn PLOT DATE : 28-JAN-2009 13:25 PLOT BY : mscdls PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

2



EROSION CONTROL SYMBOLS

######	EROSION MAT CLASS I, TYPE B	(A)	INLET PROTECTION TYPE A
	EROSION MAT CLASS II, TYPE B	(B)	INLET PROTECTION TYPE B
	SOD EROSION CONTROL	(C)	INLET PROTECTION TYPE C
	SOD, REINFORCED W/ EROSION MAT CLASS II, TYPE A	(D)	INLET PROTECTION TYPE D
	SILT FENCE	△△△	TEMPORARY DITCH CHECK
	RIP RAP MEDIUM (CHANNEL)	○○○	CULVERT DITCH CHECK
	SLOPE INTERCEPT		RIP RAP MEDIUM (CULVERT)
		~→	SURFACE WATER FLOW

NOTES:

1) WHEN INLET PROTECTION TYPE A AND TYPE B OR C, OR D ARE INDICATED AT THE SAME LOCATION, USE TYPE A PRIOR TO THE PLACEMENT OF CURB AND GUTTER AND USE TYPE B OR TYPE C, OR D AFTER THE INLET CASTINGS ARE IN PLACE.

2) EROSION CONTROL DEVICES USED IN PREVIOUS CONSTRUCTION STAGES THAT REMAIN IN USE ARENOT SHOWN.

3) INSTALL EROSION CONTROL SOD AT ASPHALTIC FLUME LOCATIONS, SEE SDD, "CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES" FOR ADDITIONAL INFORMATION.

4) IN WETLAND AREAS, INSTALL SILT FENCE TO THE STATIONS AND OFFSETS GIVEN.

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	EROSION CONTROL STAGE 7	SHEET 64	E

EROSION CONTROL SYMBOLS

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SOD EROSION CONTROL
- SOD, REINFORCED W/ EROSION MAT CLASS II, TYPE A
- SILT FENCE
- RIP RAP MEDIUM (CHANNEL)
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A
- INLET PROTECTION TYPE B
- INLET PROTECTION TYPE C
- INLET PROTECTION TYPE D
- TEMPORARY DITCH CHECK
- CULVERT DITCH CHECK
- RIP RAP MEDIUM (CULVERT)
- SURFACE WATER FLOW

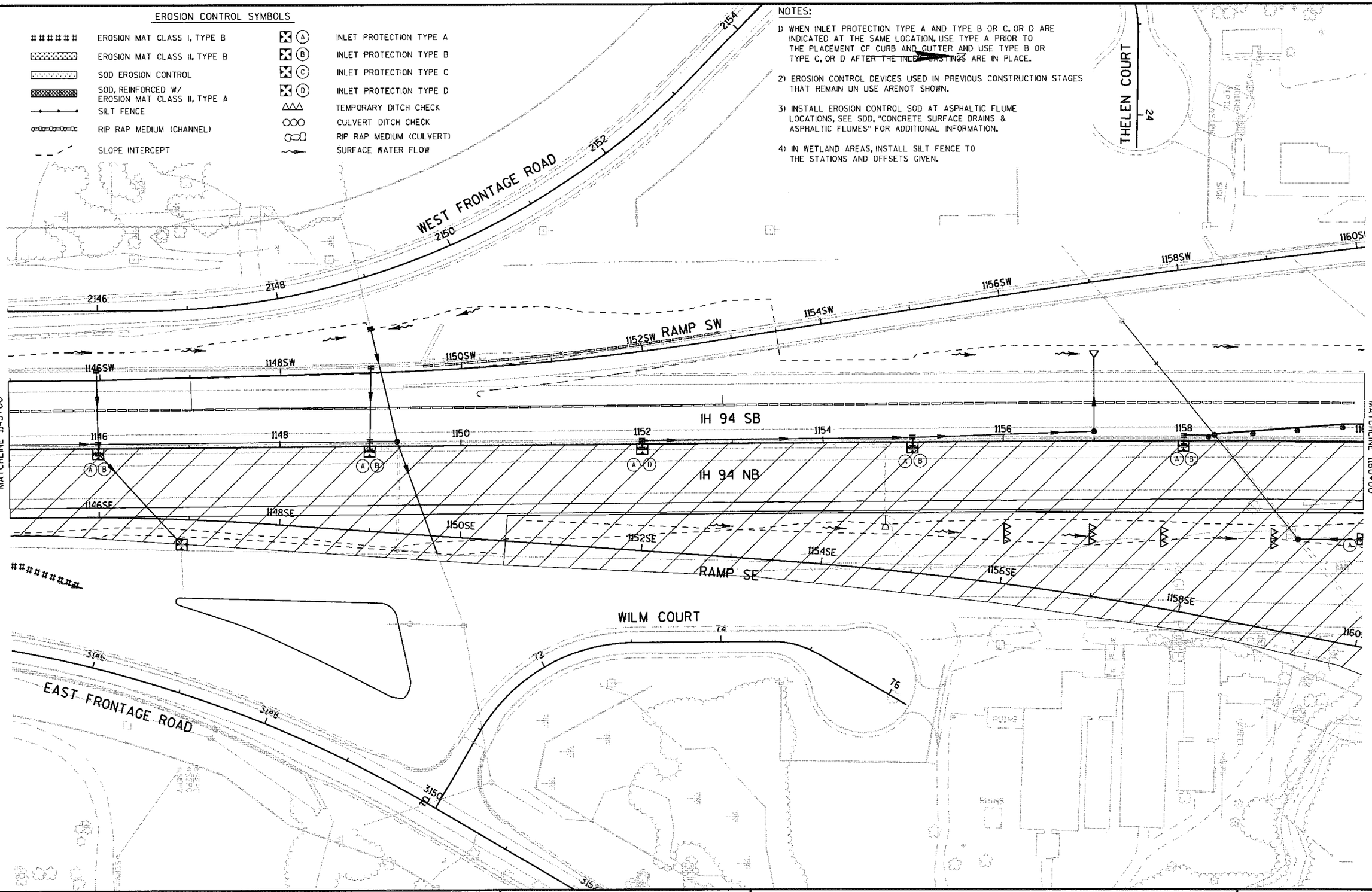
NOTES:

1) WHEN INLET PROTECTION TYPE A AND TYPE B OR C, OR D ARE INDICATED AT THE SAME LOCATION, USE TYPE A PRIOR TO THE PLACEMENT OF CURB AND GUTTER AND USE TYPE B OR TYPE 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) INSTALL EROSION CONTROL SOD AT ASPHALTIC FLUME LOCATIONS, SEE SDD, "CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES" FOR ADDITIONAL INFORMATION.

4) IN WETLAND AREAS, INSTALL SILT FENCE TO THE STATIONS AND OFFSETS GIVEN.



PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	EROSION CONTROL STAGE 7	SHEET 65	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\022015_ec.dgn PLOT DATE : 28-JAN-2009 13:26 PLOT BY : mscdls PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

NOTES:

1) WHEN INLET PROTECTION TYPE A AND TYPE B OR C, OR D ARE INDICATED AT THE SAME LOCATION, USE TYPE A PRIOR TO THE PLACEMENT OF CURB AND GUTTER AND USE TYPE B OR TYPE C, OR D AFTER THE INLET CASTINGS ARE IN PLACE.

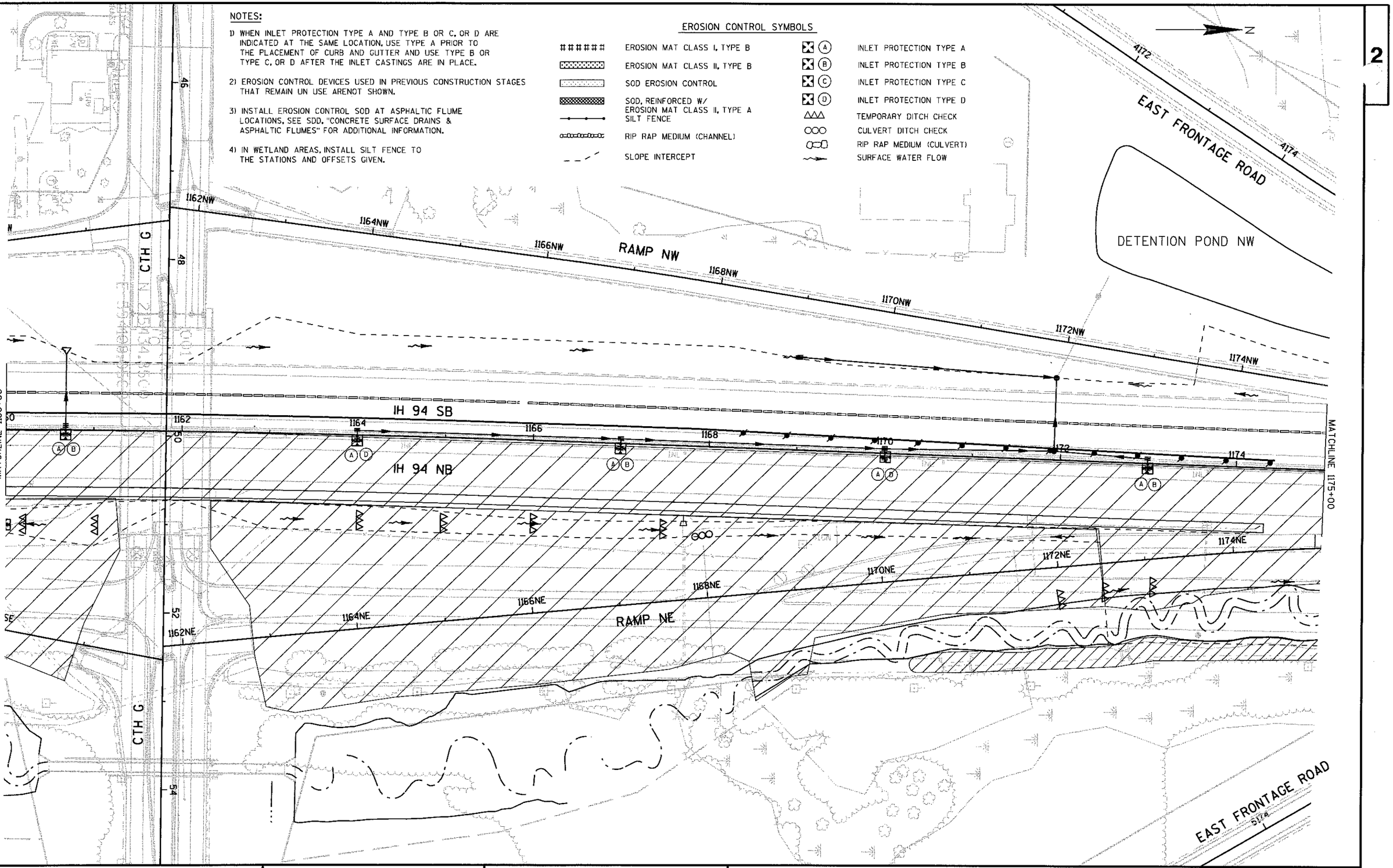
2) EROSION CONTROL DEVICES USED IN PREVIOUS CONSTRUCTION STAGES THAT REMAIN UN USE ARENOT SHOWN.

3) INSTALL EROSION CONTROL SOD AT ASPHALTIC FLUME LOCATIONS, SEE SDD. "CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES" FOR ADDITIONAL INFORMATION.

4) IN WETLAND AREAS, INSTALL SILT FENCE TO THE STATIONS AND OFFSETS GIVEN.

EROSION CONTROL SYMBOLS

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SOD EROSION CONTROL
- SOD, REINFORCED W/ EROSION MAT CLASS II, TYPE A
- SILT FENCE
- RIP RAP MEDIUM (CHANNEL)
- SLOPE INTERCEPT
- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- TEMPORARY DITCH CHECK
- CULVERT DITCH CHECK
- RIP RAP MEDIUM (CULVERT)
- SURFACE WATER FLOW



PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	EROSION CONTROL STAGE 7	SHEET 66	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\022016_ec.dgn PLOT DATE : 28-JAN-2009 13:26 PLOT BY : mscdls PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

EROSION CONTROL SYMBOLS

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SOD EROSION CONTROL
- SOD, REINFORCED W/ EROSION MAT CLASS II, TYPE A
- SILT FENCE
- RIP RAP MEDIUM (CHANNEL)
- SLOPE INTERCEPT
- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- TEMPORARY DITCH CHECK
- CULVERT DITCH CHECK
- RIP RAP MEDIUM (CULVERT)
- SURFACE WATER FLOW

NOTES:

1) WHEN INLET PROTECTION TYPE A AND TYPE B OR C, OR D ARE INDICATED AT THE SAME LOCATION, USE TYPE A PRIOR TO THE PLACEMENT OF CURB AND GUTTER AND USE TYPE B OR TYPE C, OR D AFTER THE INLET CASTINGS ARE IN PLACE.

2) EROSION CONTROL DEVICES USED IN PREVIOUS CONSTRUCTION STAGES THAT REMAIN IN USE ARENOT SHOWN.

3) INSTALL EROSION CONTROL SOD AT ASPHALTIC FLUME LOCATIONS, SEE SDD, "CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES" FOR ADDITIONAL INFORMATION.

4) IN WETLAND AREAS, INSTALL SILT FENCE TO THE STATIONS AND OFFSETS GIVEN.

N

WEST FRONTAGE ROAD

IH 94 SB

IH 94 NB

RAMP NW

RAMP NE

EAST FRONTAGE ROAD

ASPHALTIC FLUME

SOD EROSION CONTROL 6'x15'

MATCHLINE 1175+00

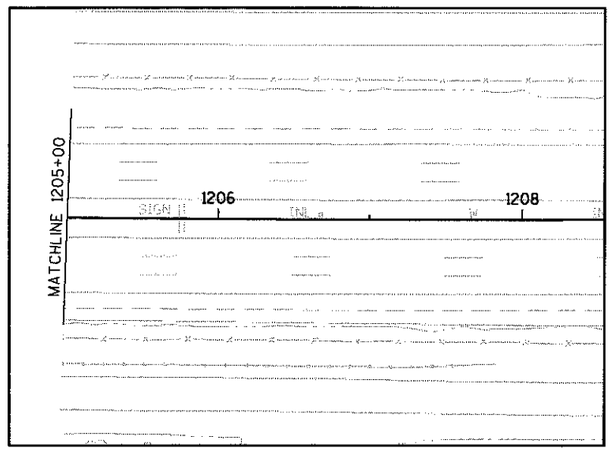
MATCHLINE 1175+00

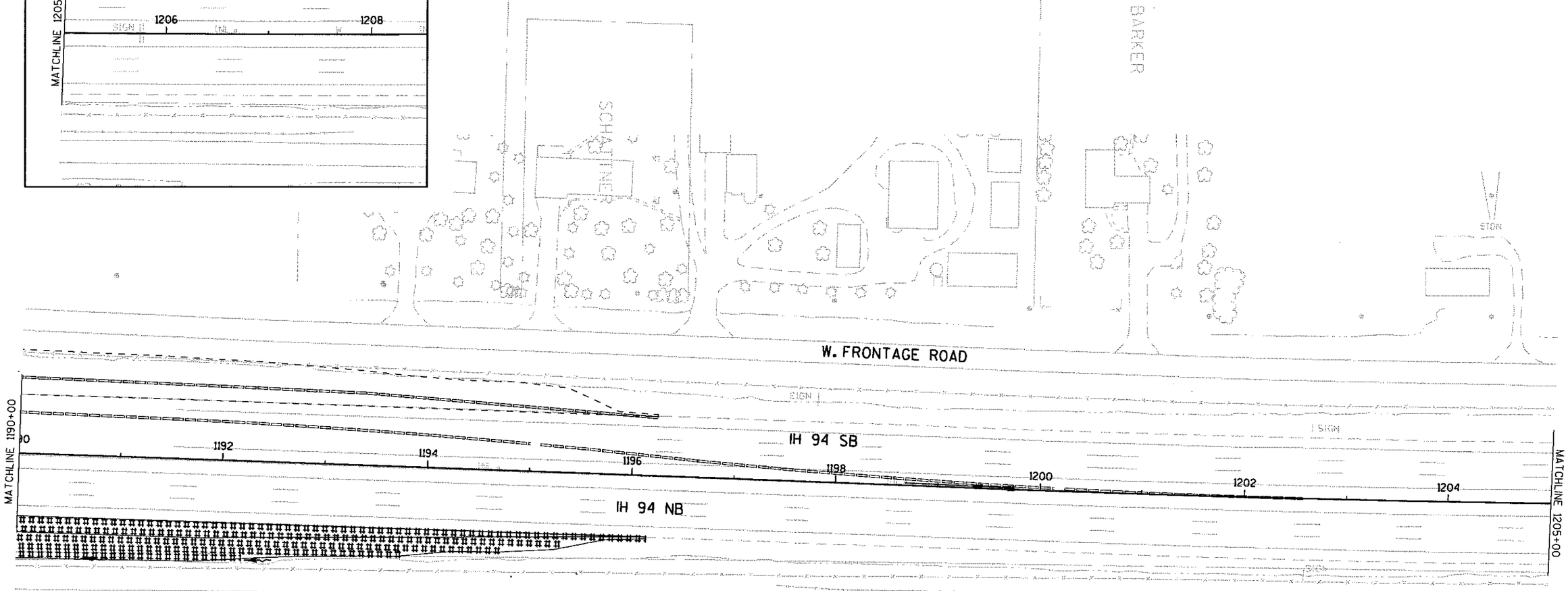
PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	EROSION CONTROL STAGE 7	SHEET 67	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\022017_ec.dgn PLOT DATE : 28-JAN-2009 13:27 PLOT BY : mscdls PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

2





EROSION CONTROL SYMBOLS

######	EROSION MAT CLASS I, TYPE B	Ⓐ	INLET PROTECTION TYPE A
	EROSION MAT CLASS II, TYPE B	Ⓑ	INLET PROTECTION TYPE B
	SOD EROSION CONTROL	Ⓒ	INLET PROTECTION TYPE C
	SOD, REINFORCED W/ EROSION MAT CLASS II, TYPE A	Ⓓ	INLET PROTECTION TYPE D
	SILT FENCE	△△△	TEMPORARY DITCH CHECK
	RIP RAP MEDIUM (CHANNEL)	○○○	CULVERT DITCH CHECK
	SLOPE INTERCEPT		RIP RAP MEDIUM (CULVERT)
			SURFACE WATER FLOW

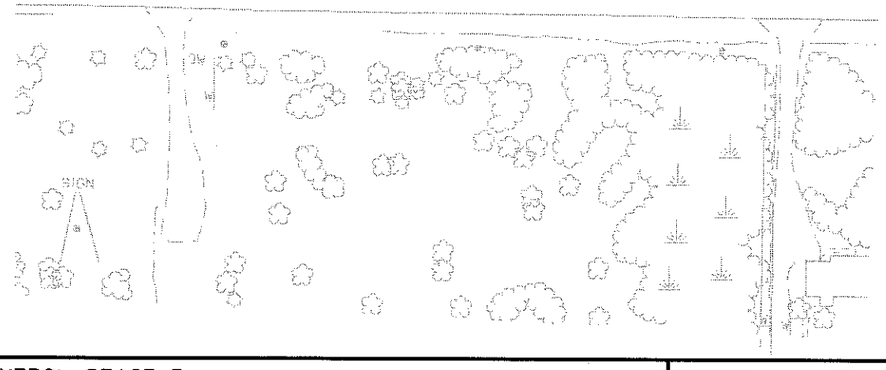
NOTES:

1) WHEN INLET PROTECTION TYPE A AND TYPE B OR C, OR D ARE INDICATED AT THE SAME LOCATION, USE TYPE A PRIOR TO THE PLACEMENT OF CURB AND GUTTER AND USE TYPE B OR TYPE C, OR D AFTER THE INLET CASTINGS ARE IN PLACE.

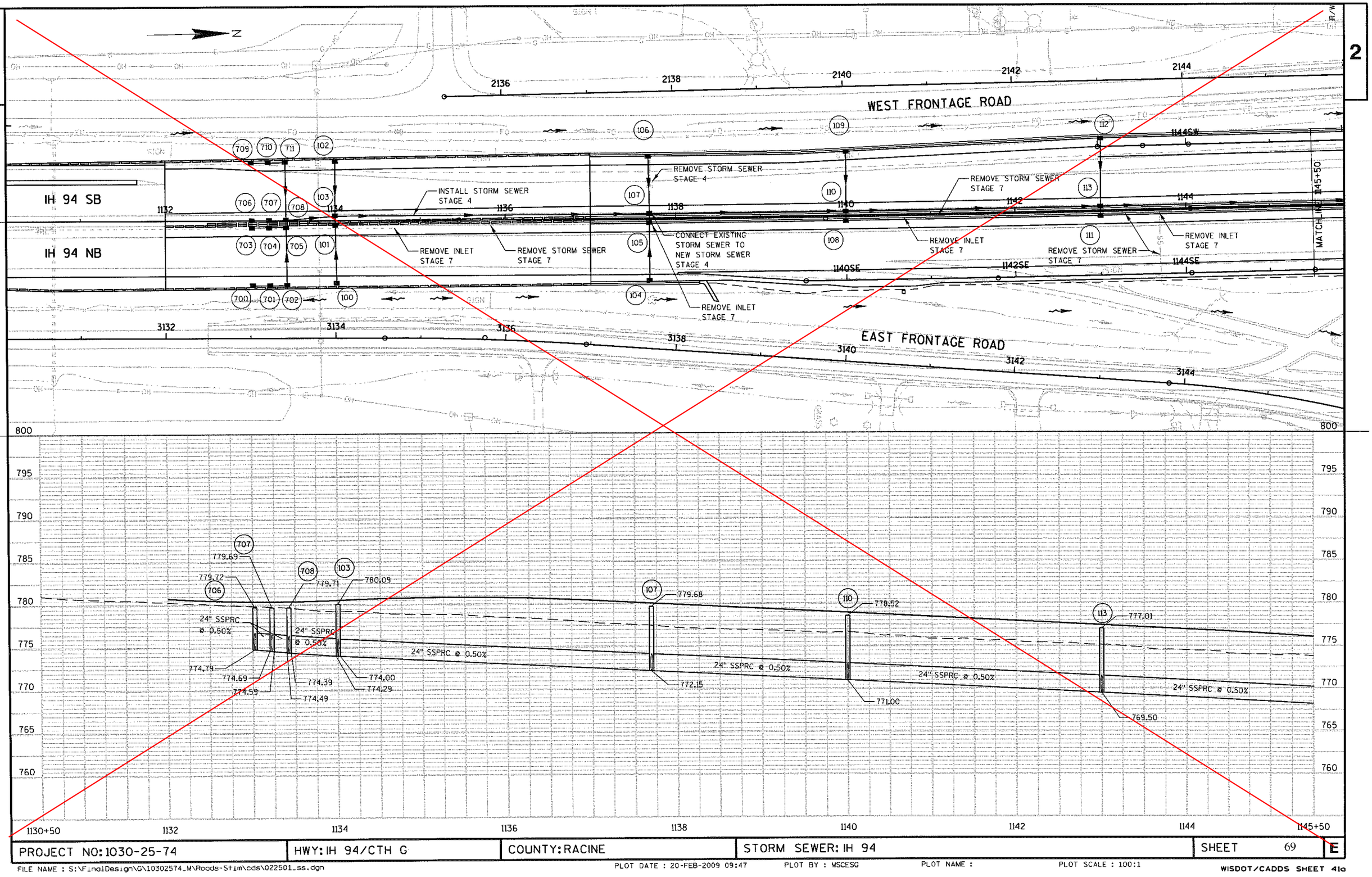
2) EROSION CONTROL DEVICES USED IN PREVIOUS CONSTRUCTION STAGES THAT REMAIN UN USE ARENOT SHOWN.

3) INSTALL EROSION CONTROL SOD AT ASPHALTIC FLUME LOCATIONS. SEE SDD, "CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES" FOR ADDITIONAL INFORMATION.

4) IN WETLAND AREAS, INSTALL SILT FENCE TO THE STATIONS AND OFFSETS GIVEN.



PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	EROSION CONTROL STAGE 7	SHEET 68	E



PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STORM SEWER: IH 94	SHEET 69	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\022501_ss.dgn PLOT DATE : 20-FEB-2009 09:47 PLOT BY : MSCESG PLOT NAME : PLOT SCALE : 100:1 WISDOT/CADDS SHEET 41a

2

WEST FRONTAGE ROAD

EAST FRONTAGE ROAD

IH 94 SB

IH 94 NB

INSTALL STORM SEWER STAGE 4

REMOVE STORM SEWER STAGE 4

REMOVE INLET STAGE 7

REMOVE STORM SEWER STAGE 7

CONNECT EXISTING STORM SEWER TO NEW STORM SEWER STAGE 4

ELIMINATE #101'S 100' 24" SS

14 REVISED BY L PFEIL 4/21/10

MATCHLINE 1145+50

709 710 711 102 706 707 708 103 700 701 702 100 101 105 104 106 107 108 109 110 111 112 113

1144SW 1144SE 1142SE 1140SE

2136 2138 2140 2142 2144

3132 3134 3136 3138 3140 3142 3144

1132 1134 1136 1138 1140 1142 1144 1145+50

800 795 790 785 780 775 770 765 760

707 779.69 779.72 706 708 779.71 103 780.09

24" SSPRC @ 0.50%

774.79 774.69 774.59 774.39 774.49 774.00 774.29

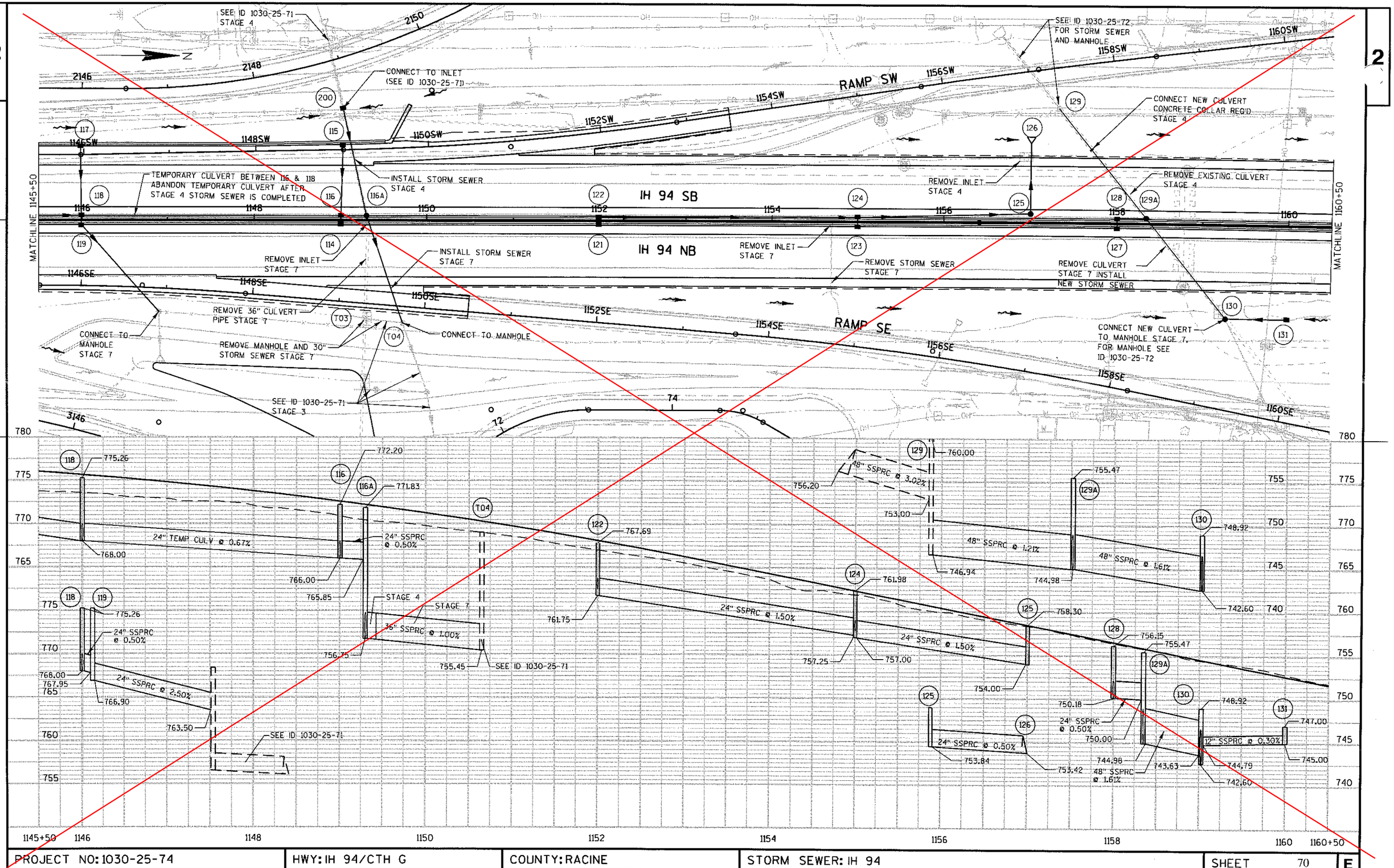
107 779.68 772.15

110 778.52 771.00

113 777.01 769.50

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STORM SEWER: IH 94	SHEET 69A	E

S:\FinalDesign\G\10302574_M\Roads-Stm\cds\022501_ss.dgn PLOT DATE : 20-FEB-2009 09:47 PLOT BY : MSCESG PLOT NAME : PLOT SCALE : 100:1 WISDOT/CADDS SHEET 41o

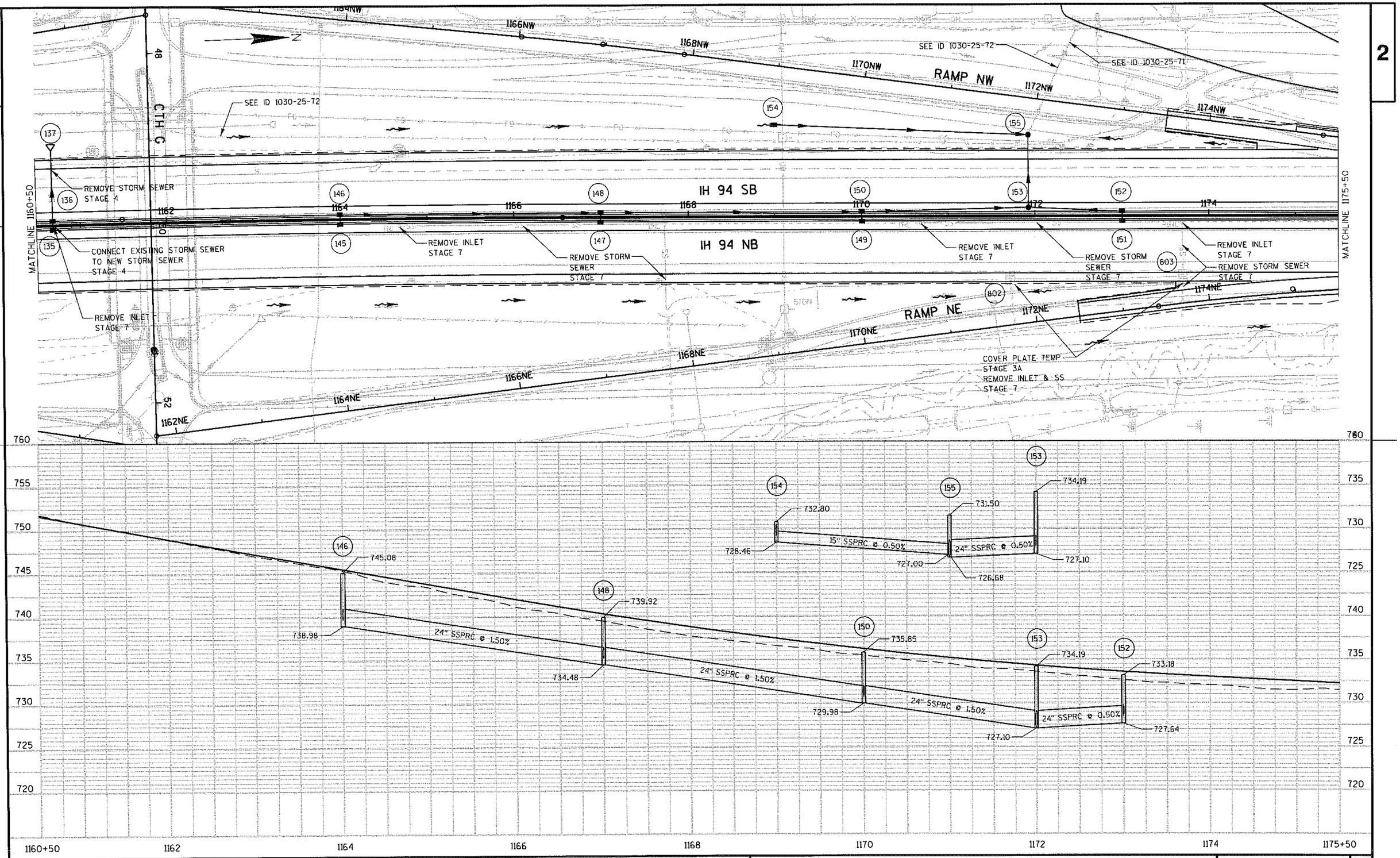


PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STORM SEWER: IH 94	SHEET 70	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\022502_ss.dgn PLOT DATE : 20-FEB-2009 09:47 PLOT BY : MSCESG PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 41a

SEE ID 1030-25-71 STAGE 4
CONNECT TO INLET (SEE ID 1030-25-71)
SEE ID 1030-25-72, FOR STORM SEWER AND MANHOLE
CONNECT NEW CULVERT CONCRETE COLLAR REQ'D STAGE 4
TEMPORARY CULVERT BETWEEN 116 & 118 ABANDON TEMPORARY CULVERT AFTER STAGE 4 STORM SEWER IS COMPLETED
INSTALL STORM SEWER STAGE 4
REMOVE INLET STAGE 4
REMOVE EXISTING CULVERT STAGE 4
IH 94 SB
IH 94 NB
RAMP SW
RAMP SE
MATCHLINE 1145+50
MATCHLINE 1160+50
REMOVE INLET STAGE 7
INSTALL STORM SEWER STAGE 7
REMOVE STORM SEWER STAGE 7
REMOVE CULVERT STAGE 7 INSTALL NEW STORM SEWER
TEE CONNECTION
REMOVE 36" CULVERT PIPE STAGE 7
T03 TO REMAIN
REMOVE MANHOLE AND 30" STORM SEWER STAGE 7
INSTALL 36" SS
CONNECT TO MANHOLE
CONNECT TO MANHOLE STAGE 7
CONNECT NEW CULVERT TO MANHOLE STAGE 7, FOR MANHOLE SEE ID 1030-25-72
SEE ID 1030-25-71 STAGE 3
WILM COURT
24" TEMP CULV @ 0.67%
24" SSPRC @ 0.50%
24" SSPRC @ 2.50%
36" SSPRC @ 1.00%
24" SSPRC @ 1.50%
48" SSPRC @ 3.02%
48" SSPRC @ 1.21%
48" SSPRC @ 1.61%
12" SSPRC @ 0.30%
18" SSPRC @ 26.7%
STAGE 4
STAGE 7
SEE ID 1030-25-71
772.20
771.83
767.69
761.75
761.98
760.00
758.30
756.15
755.47
748.92
747.50
747.00
746.00
775.26
768.00
766.00
765.85
763.50
757.25
756.20
755.45
754.00
753.84
753.42
753.00
750.18
750.00
746.94
744.98
744.79
744.63
743.63
742.60
(130A)
748.00
749.21
745.20
749.50
15"
REVISED 5/4/10
PROJECT NO: 1030-25-74
HWY: IH 94/CTH G
COUNTY: RACINE
STORM SEWER: IH 94
SHEET 70A E
FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stlm\cds\022502_ss.dgn
PLOT DATE : 20-FEB-2009 09:47
PLOT BY : MSCESG
PLOT NAME :
PLOT SCALE : 100:1
WISDOT/CADDS SHEET 41a



PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STORM SEWER: IH 94	SHEET 71	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stlm\cds\022503_ss.dgn PLOT DATE : 02-FEB-2009 09:19 PLOT BY : msccej PLOT NAME : PLOT SCALE : 100:1 WISDOT/CADDS SHEET 41a

2

N

MATCHLINE 1175+50

SEE ID 1030-25-71

WEST FRONTAGE ROAD

IH 94 SB

IH 94 NB

EAST FRONTAGE ROAD

REMOVE INLET AND STORM SEWER STAGE 7

REMOVE INLET STAGE 7

REMOVE CULVERT PIPE STAGE 4

REMOVE CULVERT PIPE STAGE 7

CONCRETE COLLAR REQ'D

REMOVE INLET STAGE 7

REMOVE APRON ENDWALL CONNECT NEW CULVERT CONCRETE COLLAR REQ'D STAGE 7

SEE ID 1030-25-71

C-51-51
STA 1177+25
EXISTING 5'X 12' BOX CULVERT
TO REMAIN

731.10

722.35

729.41

729.35

729.35

723.35

723.10

723.35

24" SSPRC @ 0.50%

729.49

729.43

729.43

723.74

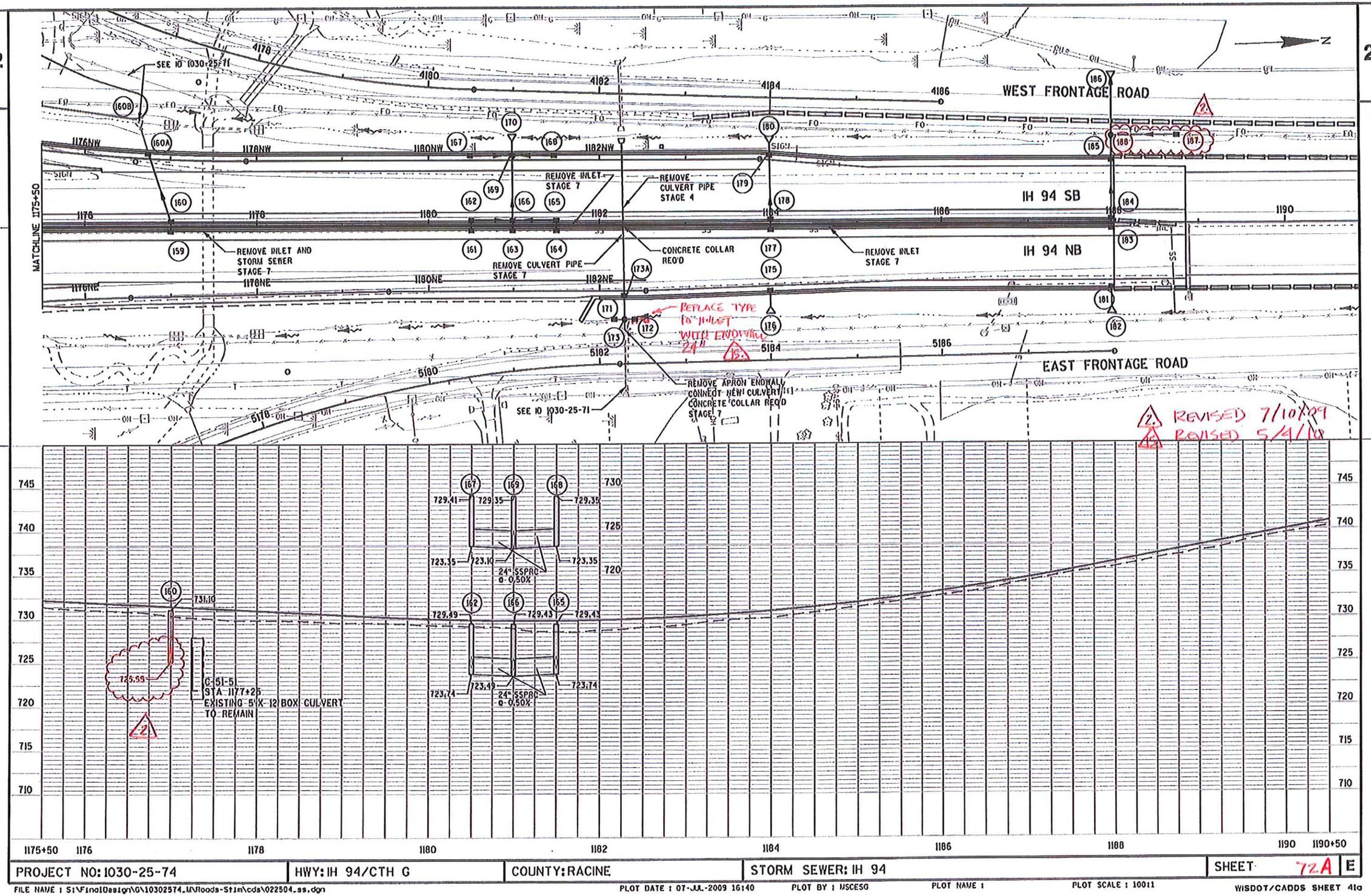
723.49

723.74

24" SSPRC @ 0.50%

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STORM SEWER: IH 94	SHEET 72	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\022504_ss.dgn PLOT DATE : 02-FEB-2009 09:20 PLOT BY : msccej PLOT NAME : PLOT SCALE : 100:1 WISDOT/CADDS SHEET 41a



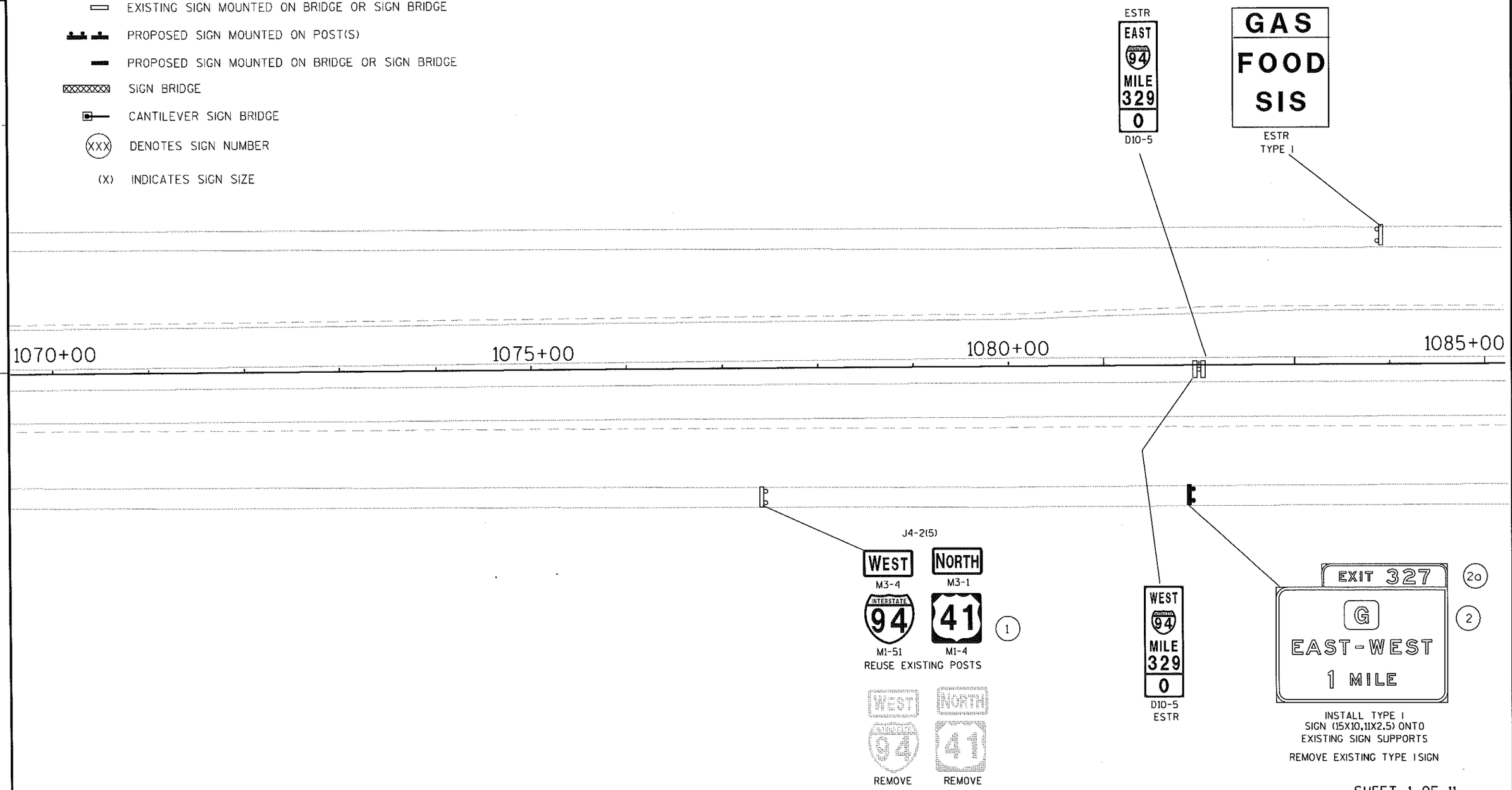
PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STORM SEWER: IH 94	SHEET 72A	E

FILE NAME : S:\FinalDesign\G\10302574_IA\Roads-Stm\cds\022504_ss.dgn PLOT DATE : 07-JUL-2009 16:40 PLOT BY : MSCESG PLOT NAME : PLOT SCALE : 10011 WISDOT/CADDS SHEET 41a

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE



SHEET 1 OF 11

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	PERMANENT SIGNING	SHEET	E

FILE NAME : j:\projects\D2_10302594\Sign\sign_01.dgn PLOT DATE : 17-FEB-2009 13:19 PLOT BY : dotbgw PLOT NAME : PLOT SCALE : 100:1

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

1085+00 1090+00 1095+00 1100+00

ESTR
EAST 94 MILE 328 8
D10-5

ESTR
SPEED LIMIT 65

ESTR
RACINE
Next 3 Exits
TYPE I

ESTR
EAST 94 MILE 328 7
D10-5

WEST 94 MILE 328 8
D10-5

SEE DETAIL "A"
CRASH INVESTIGATION SITE EXIT 327
3

INSTALL TYPE I
SIGN (13X11) ONTO
EXISTING STEEL POSTS

REMOVE EXISTING TYPE I SIGN

SPEED LIMIT 65
4

R2-1(5)
REUSE EXISTING
WOOD POST

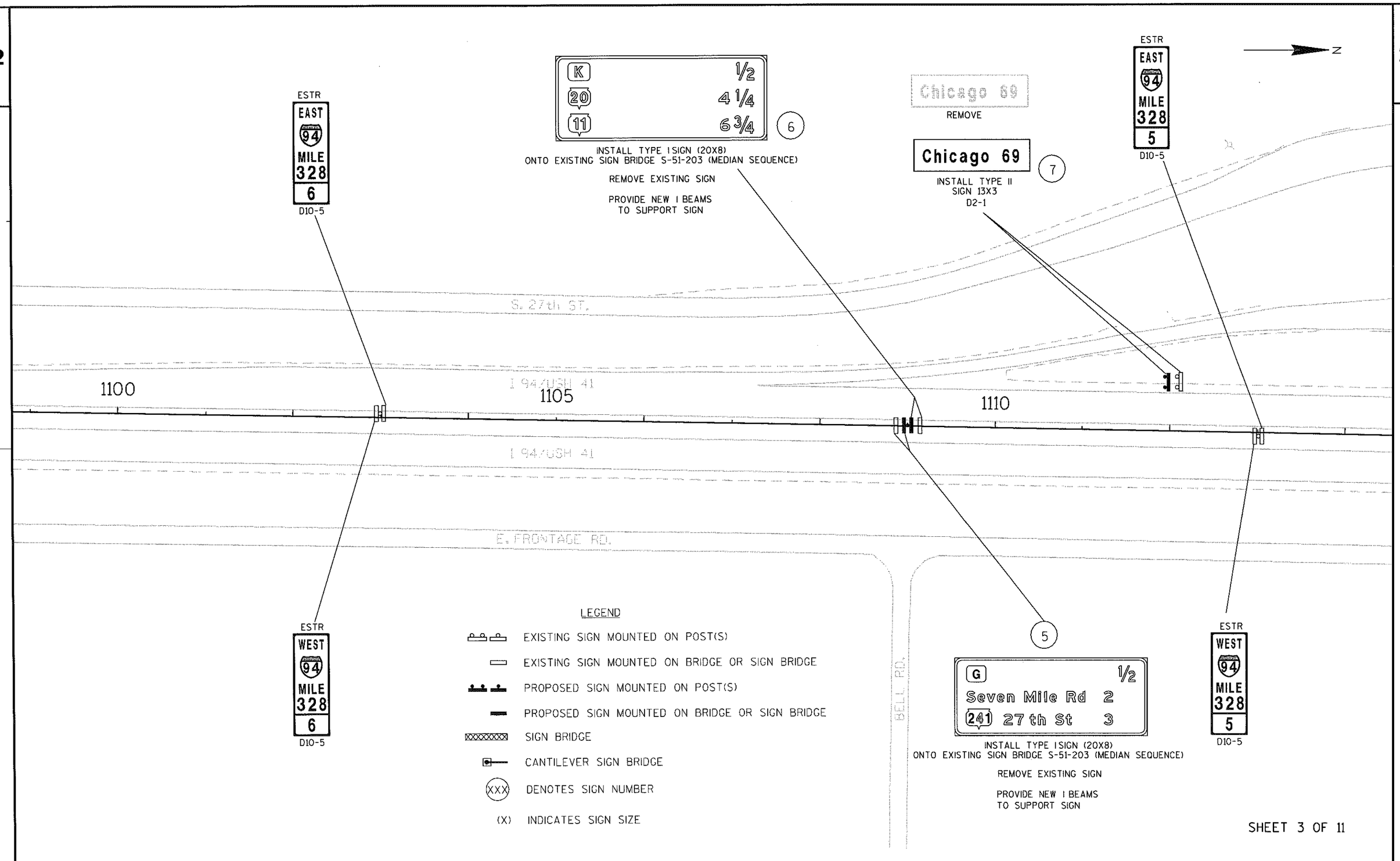
SPEED LIMIT 65
REMOVE

ESTR
WEST 94 MILE 328 7
D10-5

SHEET 2 OF 11

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	PERMANENT SIGNING	SHEET E

FILE NAME : j:\projects\D2_10302594\Sign\sign_02.dgn PLOT DATE : 17-FEB-2009 13:19 PLOT BY : dotbgw PLOT NAME : PLOT SCALE : 100:1



SHEET 3 OF 11

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	PERMANENT SIGNING	SHEET	E

FILE NAME : J:\projects\D2_10302594\Sign\sign_03.dgn PLOT DATE : 17-FEB-2009 13:19 PLOT BY : dotbgw PLOT NAME : PLOT SCALE : 100:1

2

S. 27th ST.

EXIT 329
K
Racine
3/4 MILE
TYPE I

ESTR
State Patrol
Weigh Station
No. 22

ESTR
EAST
94
MILE
328
4
D10-5

9
Weigh
Station
Closed

INSTALL
TYPE I (10X4.5)
SIGN ONTO
EXISTING
SUPPORTS

PLAQUE
ELECTRONIC

ESTR
EAST
94
MILE
328
3
D10-5

TRUCKS
Remain in Lane
ESTR

ESTR
EAST
94
MILE
328
2
D10-5

ESTR

I 1115USH 41

1120

1125

I 94/USH 41

E. FRONTAGE RD.

8
SPEED
LIMIT
65
R2-1(5)

ESTR
WEST
94
MILE
328
4
D10-5

ESTR
WEST
94
MILE
328
3
D10-5

ESTR
WEST
94
MILE
328
2
D10-5

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 4 OF 11

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	PERMANENT SIGNING	SHEET	E

FILE NAME : j:\projects\D2_10302594\Sign\sign_04.dgn PLOT DATE : 17-FEB-2009 13:19 PLOT BY : dotbgw PLOT NAME : PLOT SCALE : 100:1

N

INSTALL TYPE I SIGN (15X7) ONTO EXISTING SUPPORTS

TRUCKS OVER 4 TONS STOP AT WEIGH STATION

22 REMOVE EXISTING SIGN AND SUPPORTS

REMOVE

EAST 94 MILE 328 1

11 D10-5

INSTALL TYPE I SIGN (13X7) ONTO STEEL POSTS

WEIGH STATION RIGHT LANE CLOSED

21 REMOVE EXISTING SIGN AND SUPPORTS

ELECTRICAL

ELECTRONIC BLANK OUT SIGN

REMOVE

EAST 94 MILE 328 0

D10-5(5) 15

EAST 94 MILE 328 0

D10-5(5)

REMOVE

EAST 94 SOUTH 41

REMOVE

EAST 94 SOUTH 41

J4-2(5) 20

REMOVE

EXIT 327

E5-1A 17

REMOVE

EAST 94 MILE 327 9

D10-5 18

S. 27th ST.

1135SW

CONSTRUCTION LIMIT

1140SW

2140

1130

I 94/USH 41

1135

1140

1140SE

3135

E FRONTAGE RD.

3140

STATION 1140+67 CANTILEVER SIGN BRIDGE TRUSS S-51-17

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

REMOVE

WEST 94 MILE 328 1

10 D10-5

REMOVE

EXIT 50

W13-2 12

EXIT 327

G EAST-WEST

REMOVE EXISTING TYPE I SIGN AND STEEL SUPPORTS 13

WEST 94 MILE 328 0

D10-5(5) 14

REMOVE

WEST 94 MILE 328 0

D10-5

16a

EXIT 327

G EAST-WEST

16 INSTALL TYPE I SIGN (17X7.11X2.5) ONTO SIGN BRIDGE S-51-17

REMOVE

WEST 94 MILE 327 9

D10-5 19

SHEET 5 OF 11

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	PERMANENT SIGNING	SHEET	E

FILE NAME : j:\projects\D2_10302594\Sign\sign_05.dgn PLOT DATE : 17-FEB-2009 13:19 PLOT BY : dotbgw PLOT NAME : PLOT SCALE : 100:1

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

SIGN BRIDGE

CANTILEVER SIGN BRIDGE

(XXX) DENOTES SIGN NUMBER

(X) INDICATES SIGN SIZE

N

REMOVE
EAST 94 MILE 327 8
D10-5

ESTR
EAST 94 MILE 327 8
D10-5

24

2150

2145

1150SW

REMOVE
EAST 94 MILE 327 7
D10-5

27

REMOVE

W4-1(5)

31

1155SW

REMOVE
EAST 94 MILE 327 6
D10-5(5)

29

EAST 94 MILE 327 6
D10-5(5)

1155

I 94/USH 41

I 94/USH 41

1150SE

1155SE

3145

75

EXIT 327

E5-1A(5)

25

N59°27'10"W
150.00

WEST 94 MILE 327 8
D10-5(5)

REMOVE
WEST 94 MILE 327 6
D10-5(5)

23

26

REMOVE
D10-5

28

WEST 94 MILE 327 6
D10-5(5)

REMOVE
WEST 94 MILE 327 6
D10-5(5)

SHEET 6 OF 11

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	PERMANENT SIGNING	SHEET	E

FILE NAME : j:\projects\D2_10302594\Sign\sign_06.dgn PLOT DATE : 17-FEB-2009 13:19 PLOT BY : dotbgw PLOT NAME : PLOT SCALE : 100:1

2

2

1160SW

1165NW

1170NW

1160

1165

1170

1160SE

1165NE

1170NE

CTH G

55

33

REMOVE

EAST 94 MILE 327 5

D10-5

INSTALL TYPE I SIGN (10X7) ONTO STEEL POSTS

REMOVE EXISTING SIGN AND SUPPORTS

WEIGH STATION 1 MILE

38

CLOSED

SEE ELECTRICAL PLANS FOR MOVING ELECTRONIC SIGN

REMOVE

EAST 94 MILE 327 4

D10-5

37

EAST 94 MILE 327 4

D10-5(5)

EXIT 327

40

E5-1A(5)

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

32

REMOVE

WEST 94 MILE 327 5

D10-5

35

W4-1(4)

REMOVE

36

WEST 94 MILE 327 4

D10-5(5)

REMOVE

WEST 94 MILE 327 4

EXIT 326

Seven Mile Rd

1 MILE

INSTALL TYPE I SIGN (22X7,11X2.5) ONTO NEW STEEL POSTS

REMOVE EXISTING SIGN AND SUPPORTS

39 39a

SHEET 7 OF 11

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	PERMANENT SIGNING	SHEET	E

FILE NAME : j:\projects\D2_10302594\Sign\sign_07.dgn PLOT DATE : 17-FEB-2009 13:19 PLOT BY : dotbgw PLOT NAME : PLOT SCALE : 100:1 WISDOT/CADDS SHEET 42

2

N

REMOVE
EAST 94 MILE 327 3
D10-5
42

REMOVE
EAST 94 MILE 327 2
D10-5

EAST 94 MILE 327 2
D10-5(5)
44

EXIT 327
G
EAST-WEST
48
INSTALL TYPE I SIGN (17X7.11X2.5) ONTO SIGN BRIDGE S-51-18

EXIT 327
G
EAST-WEST
49

REMOVE EXISTING TYPE I SIGN AND STEEL SUPPORTS

REMOVE
EXIT 327
E5-1A
45

W13-2
EXIT 50 M.P.H.
50
REMOVE

REMOVE
EAST 94 MILE 327 1
D10-5
47

4175
4180
4185
1180NW
1180
1180NE
1185
S-51-18
SIGN BRIDGE
CANTILEVER TRUSS
1182+72
S. 27th ST.
I 94/USH 1190
I 94/USH 41
5175
5180
5185
E. FRONTAGE RD.

REMOVE
WEST 94 MILE 327 3
D10-5
41

WEST 94 MILE 327 2
D10-5(5)
43

REMOVE
EAST 94 MILE 327 2
D10-5

REMOVE
WEST 94 MILE 327 1
D10-5
46

VARIABLE MESSAGE SIGN S-51-401 ESTR

51
WEST INTERSTATE 94 NORTH 41
REUSE POSTS J4-2(5)
WEST ARTERIAL 94 NORTH 41
REMOVE

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 8 OF 11

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	PERMANENT SIGNING	SHEET	E

FILE NAME : j:\projects\D2_10302594\Sign\sign_08.dgn PLOT DATE : 17-FEB-2009 13:20 PLOT BY : dotbgw PLOT NAME : PLOT SCALE : 100:1

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

ESTR
EAST 94 MILE 327 0
D10-5

ESTR
EAST 94 MILE 326 9
D10-5

INSTALL TYPE I SIGN (13X11) ONTO EXISTING STEEL SUPPORTS
SEE DETAIL "A"
CRASH INVESTIGATION SITE EXIT 327
52
REMOVE EXISTING SIGN

ESTR
EAST 94 MILE 326 8
D10-5

ESTR
RIDESHARE INFO CALL
1-800-455-POOL
D12-2

1190 1195 1200 1205

ESTR
WEST 94 MILE 327 0
D10-5

ESTR
SPEED LIMIT 65
R2-1

ESTR
WEST 94 MILE 326 9
D10-5

ESTR
WEST 94 MILE 326 8
D10-5

ESTR
Gas
Camping
SIS
TYPE I

SHEET 9 OF 11

PROJECT NO:1030-25-74	HWY:IH 94/CTH G	COUNTY:RACINE	PERMANENT SIGNING	SHEET	E

PROVIDE NEW I BEAMS
REMOVE EXISTING SIGN (54)

G	1/2
K	2 1/2
20	6

INSTALL TYPE I SIGN (19X8)
ONTO EXISTING SIGN BRIDGE S-51-204 (MEDIAN SEQUENCE)

ESTR
SLOWER TRAFFIC KEEP RIGHT
R4-3

ESTR
EAST 94 MILE 326 7
D10-5

ESTR
EMERGENCY STOPPING ONLY
R8-7

ESTR
EAST 94 MILE 326 6
D10-5

ESTR
WISCONSIN VETERANS MEMORIAL HIGHWAY

REMOVE
EAST 94 SOUTH 41

(56)
J4-2(5)
REUSE EXISTING POSTS

ESTR
WEST 94 MILE 326 5
D10-5

ESTR
EAST 94 MILE 326 5
D10-5

S. 27th ST.

1205 I 94/USH 41 1210 1215 1220

I 94/USH 41

E. FRONTAGE RD.

(53)

Seven Mile Rd	1/4
241 27 th St	1 1/4
Ryan Rd	3 1/2

INSTALL TYPE I SIGN (19X8)
ONTO EXISTING SIGN BRIDGE S-51-204 (MEDIAN SEQUENCE)
REMOVE EXISTING SIGN
PROVIDE NEW I BEAMS

ESTR
WEST 94 MILE 326 7
D10-5

(55)
SPEED LIMIT 65
R2-1(5)
REUSE EXISTING POST

SPEED LIMIT 65
REMOVE

ESTR
WEST 94 MILE 326 6
D10-5

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 10 OF 11

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	PERMANENT SIGNING	SHEET	E

FILE NAME : j:\projects\D2_10302594\Sign\sign_10.dgn PLOT DATE : 17-FEB-2009 13:20 PLOT BY : dotbgw PLOT NAME : PLOT SCALE : 100:1

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

RACINE
TRAVEL
INFO
TUNE TO
1700 AM

EXISTING TYPE I
SIGN TO REMAIN

1220+00 1225+00 1230+00 1235+00

1

EXIT 327

57a

G

EAST-WEST

1 MILE

57 INSTALL TYPE I
SIGN (15X10.11X2.5) ONTO
EXISTING STEEL SUPPORTS

REMOVE EXISTING SIGN

SHEET 11 OF 11

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	PERMANENT SIGNING	SHEET	E

FILE NAME : j:\projects\D2_10302594\Sign\sign_11.dgn PLOT DATE : 17-FEB-2009 13:20 PLOT BY : dotbgw PLOT NAME : PLOT SCALE : 100:1

REVISION NOTES:

-INSULATION COLORS FOR ELECTRICAL WIRES SHALL MATCH EXISTING/REMOVED CONDITIONS

- WHERE PROPOSED CONDUIT IS SHOWN ADJACENT TO FTMS CONDUIT BOTH CONDUIT SYSTEMS MAY BE INSTALLED IN SAME TRENCH WITH SEPARATE PULL BOXES

- NEW CONDUIT AND CABLE IS BE INSTALLED ADJACENT TO RECENTLY RELOCATED UTILITIES. BE WARY OF POSSIBILITY OF IMPROPER DIGGER'S MARKINGS AND COORDINATE WORK WITH PAT STOETZEL AND KEVIN CORNNELL WHEN NEAR AT&T FIBER OPTIC SYSTEM.

IN EXISTING 2-INCH CONDUIT INSTALL (5) ELECTRICAL WIRES LIGHTING NO. 6 AWG

SPLICE NEW ELECTRICAL WIRE NO. 6 AWG TO EXISTING NO. 6 AWG WIRES WITH INSULATED EPOXY SPLICE KITS (WIRE COLORS ARE WHITE, RED, BLACK, GREEN, AND BROWN)

SPLICE NEW 2-INCH NON-METALLIC CONDUIT TO EXISTING DAMAGED 2-INCH NON-METALLIC CONDUIT

(5) ELECTRICAL WIRES LIGHTING NO. 6 AWG

TRUCKS REMAIN IN LANE
EXISTING SIGN TO REMAIN

TRUCKS REMAIN IN LANE
EXISTING SIGN TO REMAIN

TRUCKS OVER 4 TONS STOP AT WEIGH STA
INSTALL TYPE I SIGN, 15'X7' AND STEEL SUPPORTS, REMOVE EXISTING TYPE II SIGN AND WOOD SUPPORTS

WEIGH STATION RIGHT LANE
ELECTRICAL SIGN
NOTE: DETACH ELECTRICAL SIGN, CONTACT JIM RUSCH AT WISDOT (414/266-1162) TO REMOUNT ELECTRICAL SIGN
INSTALL TYPE I SIGN, 13'X7' AND STEEL SUPPORTS, REMOVE EXISTING TYPE I SIGN AND SUPPORTS

(2) METALLIC 2-INCH CONDUIT WITH (5) ELECTRICAL WIRES LIGHTING NO. 6 AWG (EACH)

PB1 PB2

6'x30' LOOP
2-6'x6' LOOPS
SIGN
1130
1135
1135+80.40
10'
10'
125'

INSTALL TYPE II SIGN AND WOOD SUPPORT REMOVE EXISTING TYPE II SIGN AND SUPPORT

INSTALL TYPE I SIGN, 19'X7', 11'X2' AND STEEL SUPPORTS AT BEGINING OF TAPER, 125' NORTH REMOVE EXISTING TYPE I SIGN AND SUPPORTS

EXIT 50 M.P.H. W13-2(5)

EXIT 327 G EAST-WEST

REVISION LEGEND

---- (1) NON-METALLIC CONDUIT WITH (5) ELECTRICAL WIRES LIGHTING NO. 6 AWG (UNLESS OTHERWISE NOTED)

● PULL BOXES STEEL 24X36-INCH

COMBINATION STATIC/ELECTRONIC SIGN SYSTEM AND SUPPORTS

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

7 10/16/09 WEIGH STATION SIGN REVISION

STATE PROJECT NO: 1032-01-72 1080-27-72	SCALE: 50'	HWY: IH94/CTH G	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET NO: [redacted]	E

FILE NAME: N:\PROJECTS\02_9_IH94NSFWY\02_6_1032072\PLAN\PLNSHT33.DGN

WISDOT/CADDS SHEET 42

83A

2

2

N

PB3

PB4

PB5

PB6

INSTALL 3-2" HDPE CONDUIT (3) FOR FUTURE USE

10/16/09

PROJECT NO: 1030-25-72	HWY: IH 94/CTH G	COUNTY: RACINE	TIMS PLAN WEIGH STATION SIGN REVISION	SHEET	E

FILE NAME : J:\projects\02_10302594\021401_fm.dgn PLOT DATE : 06-OCT-2009 14:40 PLOT BY : dotjgp PLOT NAME : PLOT SCALE : 100.000003:1 WISDOT/CADDS SHEET 42

83B

2

N

INSTALL 2-3" HDPE CONDUIT
(1) WITH MICROWAVE DETECTOR CABLE
AND 6 COUNT FIBER OPTIC CABLE
(1) FOR FUTURE USE

INSTALL 1-3" HDPE CONDUIT
WITH 4 NO. 6 AWG

INSTALL 3-3" HDPE CONDUIT
(1) WITH 4 NO. 6 AWG ELECTRICAL WIRE
(1) WITH (2) MICROWAVE DETECTOR CABLE
AND 6 COUNT FIBER OPTIC CABLE
(1) FOR FUTURE USE

NOTE RELOCATE 6 ATMS FIBER OPTIC CONDUIT AND CABLE

INSTALL 6-3" HDPE CONDUIT
(1) WITH 4 NO. 6 AWG ELECTRICAL WIRE
(1) WITH (4) MICROWAVE DETECTOR CABLES
AND 6 COUNT FIBER OPTIC CABLE
(1) WITH CAMERA CABLES
(3) FOR FUTURE USE

INSTALL ON BASE ITS CONTROLLER CABINET
(1) ITS FIELD CABINET (STATE-FURNISHED) WITH
(1) ETHERNET VIDEO CODEC (STATE-FURNISHED)
(1) ETHERNET SWITCH (STATE-FURNISHED)
(1) 12 COUNT FIBER OPTIC TERMINATION PANEL (STATE-FURNISHED)

INSTALL 2-3" HDPE CONDUIT
(1) WITH MICROWAVE DETECTOR CABLE
(1) FOR FUTURE USE

REMOVE AND SALVAGE
EXISTING RAMP GATE SYSTEM
REMOVE CONCRETE BASE

S. 27th ST.

REMOVE PULLBOX

INSTALL ON TYPE 2 CONCRETE BASE
(1) TYPE 5 POLE
(2) MICROWAVE DETECTOR ASSEMBLY (STATE FURNISHED)

I-94/USH 41

INSTALL ON CAMERA POLE CONCRETE BASE
(1) 50-FOOT POLE W/LOWERING SYSTEM (STATE FURNISHED)
(1) DOME CAMERA (STATE FURNISHED)

INSTALL 2-3" HDPE CONDUIT
(1) WITH CAMERA CABLES
(1) FOR FUTURE USE.

REMOVE CABLE

REMOVE PULLBOX

REMOVE CABLE

INSTALL 3-3" HDPE CONDUIT
(3) FOR FUTURE USE

REMOVE CABLE

REMOVE PULLBOX

INSTALL 3-3" HDPE CONDUIT, DIRECTIONAL BORE
(3) FOR FUTURE USE

REMOVE METER BREAKER PEDESTAL

E. ERIN/ACK RD.

INSTALL 3-3" HDPE CONDUIT
(3) FOR FUTURE USE

INSTALL 3-3" HDPE CONDUIT
(3) FOR FUTURE USE

INSTALL 2-3" HDPE CONDUIT
(2) FOR FUTURE USE

BORE

10/16/09

WEIGH STATION SIGN REVISION

PB101 PB102 PB103 PB104 PB105 PB106 PB107 PB108 PB109 PB110 PB111 PB112 PB113 PB114 PB115 PB116 PB117 PB118

EXPB01 EXPB02 EXPB03 EXPB04

MD101 MD102

1148SW 1150SW 1152SW 1154SW 1156SW 1158SW 1160SW 1162SW

1148SE 1150SE 1152SE 1154SE 1156SE 1158SE 1160SE 1162NE

1148 1150 1152 1154 1156 1158 1160 1162

V104 V105

PROJECT NO: 1030-25-72	HWY: IH 94/CTH G	COUNTY: RACINE	ITMS PLAN	SHEET	E

FILE NAME : J:\projects\02_10302594\021402_fm.dgn PLOT DATE : 06-OCT-2009 14:40 PLOT BY : dotjqp PLOT NAME : PLOT SCALE : 100.000003:1 WISDOT/CADDS SHEET 42

83C

RELOCATED ATMS ENCLOSURE

INSTALL 2-3" HDPE CONDUIT (1) WITH MICROWAVE DETECTOR CABLE AND 6 COUNT FIBER OPTIC CABLE (1) FOR FUTURE USE

PB101

PB108

PB109

PB114

WEIGH STATION 1 MILE CLOSED (38)

SALVAGED ELECTRONIC 3-PHASE SIGN

INSTALL 2-3" HDPE CONDUIT, DIRECTIONAL BORE (1) WITH MICROWAVE DETECTOR CABLE AND 6 COUNT FIBER OPTIC CABLE (1) FOR FUTURE USE

INSTALL 2-3" HDPE CONDUIT (1) WITH MICROWAVE DETECTOR CABLE AND 6 COUNT FIBER OPTIC CABLE (1) FOR FUTURE USE

PB110

PB111

REMOVE PULLBOX

EXPB5

EXCITW-61-63 SALVAGE CAMERA ASSEMBLY AND POLE REMOVE CONCRETE BASE

REMOVE CABLE

(1) METALLIC CONDUIT WITH (6) ELECTRICAL WIRES 6 AWG No. 6 AWG

I 94/USH 41

REMOVE PULLBOX

REMOVE CABLE

INSTALL ON TYPE 2 CONCRETE BASE (1) TYPE 5 POLE (2) MICROWAVE DETECTOR ASSEMBLIES (STATE FURNISHED)

REMOVE PULLBOX

REMOVE AND SALVAGE EXISTING RAMP GATE SYSTEM REMOVE CONCRETE BASE

EXPB12

EXPB11

E FRONTAGE RD.

EXPB10

REMOVE CABLE

IXSDS-51-094 SALVAGE ITS CABINET REMOVE CONCRETE BASE

V105

V101

V106

INSTALL 3-2" HDPE CONDUIT (3) FOR FUTURE USE

INSTALL 3-2" HDPE CONDUIT, DIRECTIONAL BORE (3) FOR FUTURE USE

10/16/09

PROJECT NO: 1030-25-72	HWY: IH 94/CTH G	COUNTY: RACINE	TMS PLAN WEIGH STATION SIGN REVISION	SHEET	E

FILE NAME : j:\projects\02_10302594\021403_fm.dgn PLOT DATE : 06-OCT-2009 14:41 PLOT BY : dotjcp PLOT NAME : PLOT SCALE : 100.000003:1 WISDOT/CADDS SHEET 42

83D

WEIGH STATION SIGN REINSTALLATION MISCELLANEOUS QUANTITIES

CATEGORY							
		652.0125 CONDUIT RIGID METALLIC 2-INCH	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	652.061 CONDUIT SPECIAL 2-INCH	653.0135 PULL BOXES STEEL 24 X 36 - INCH	655.0525 ELECTRICAL WIRE LIGHTING 6AWG	SPV.0060.XXX REINSTALL ELECTRONIC BLANK OUT SIGN
ROADWAY	ITEM ID	L.F.	L.F.	L.F.	EACH	L.F.	L.F.
IH-94	EXPB AT 1130 TO PB1	--	200	--	--	1650	--
	PB1	--	--	--	1	--	--
	PB1 TO PB2	--	280	--	--	1400	--
	PB2	--	--	--	1	--	--
	PB2 TO SIGN 21	20	--	--	--	100	1
	PB2 TO PB3	--	300	--	--	--	--
	PB3	--	--	--	1	--	--
	PB3 TO PB4	--	200	--	--	1000	--
	PB4	--	--	--	1	--	--
	PB4 TO PB5	--	400	--	--	2000	--
	PB5	--	--	--	1	--	--
	PB5 TO PB6	--	300	--	--	1500	--
	PB6	--	--	--	1	--	--
	PB6 TO PB7	--	275	--	--	1375	--
	PB7	--	--	--	1	--	--
	PB7 TO PB8	--	150	--	--	750	--
	PB8	--	--	--	1	--	--
	PB8 TO PB9	--	300	--	--	1500	--
	PB9	--	--	--	1	--	--
	PB9 TO PB10	--	300	--	--	1500	--
	PB10	--	--	--	1	--	--
	PB10 TO PB11	--	225	--	--	1125	--
	PB11	--	--	--	1	--	--
	PB11 TO PB12	--	120	--	--	600	--
	PB12	--	--	--	1	--	--
	PB12 TO PB13	--	150	--	--	750	--
	PB13	--	--	--	1	--	--
	PB13 TO PB14	--	350	--	--	1750	--
	PB14	--	--	--	1	--	--
	PB14 TO PB15	--	--	150	--	750	--
	PB15	--	--	--	1	--	--
	PB15 TO SIGN 38	10	--	--	--	50	1
TOTALS		30	3550	150	15	17800	2

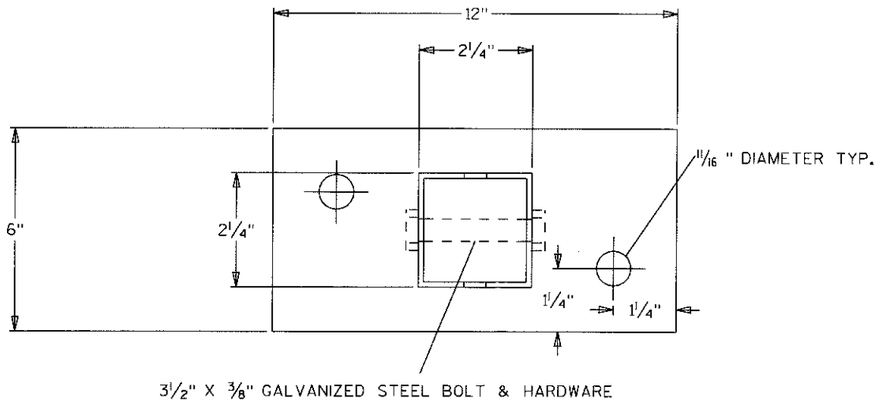
7 10/16/09

83E

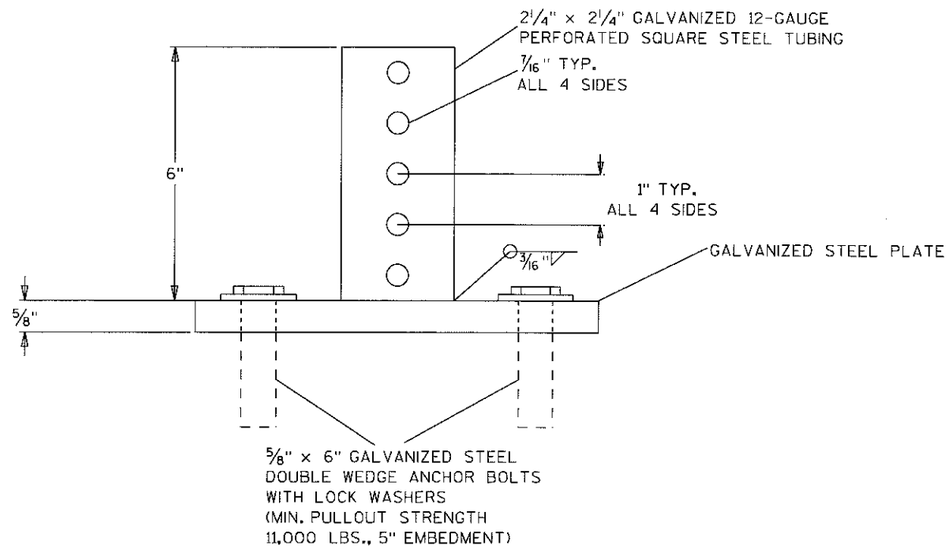
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TYPICAL REFERENCE MARKER MOUNTING DETAILS

BARRIER WALL SIGN BRACKET ASSEMBLY
NOT TO SCALE

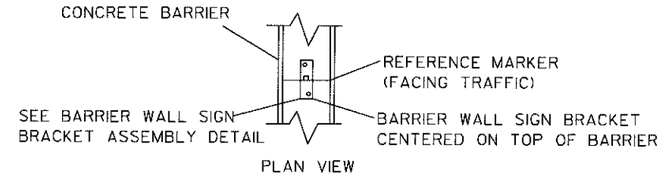


PLAN VIEW



SIDE VIEW

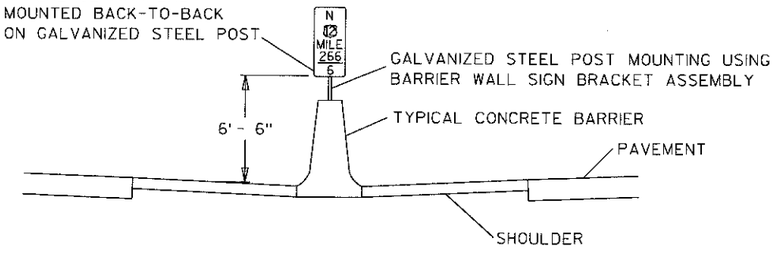
TYPICAL REFERENCE MARKER PLACEMENT DETAILS



PLAN VIEW

MEDIAN BARRIER MOUNTING DETAIL

REFERENCE MARKERS
MOUNTED BACK-TO-BACK
ON GALVANIZED STEEL POST



SINGLE MEDIAN BARRIER

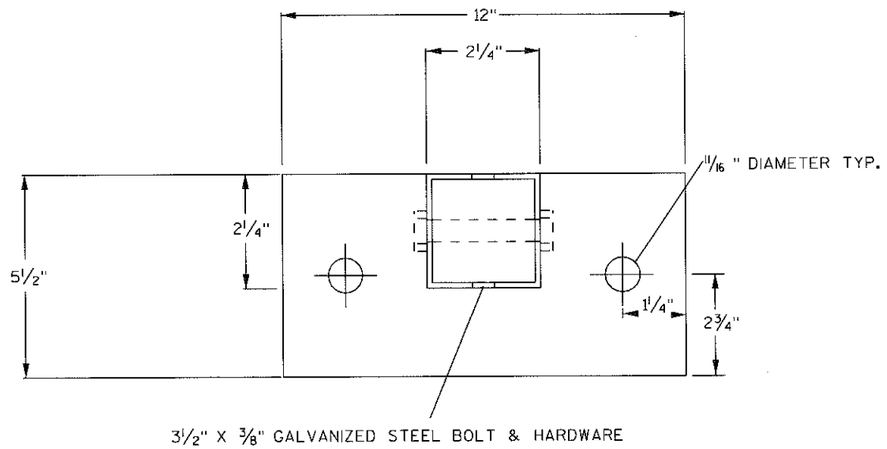
NOTES

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.**

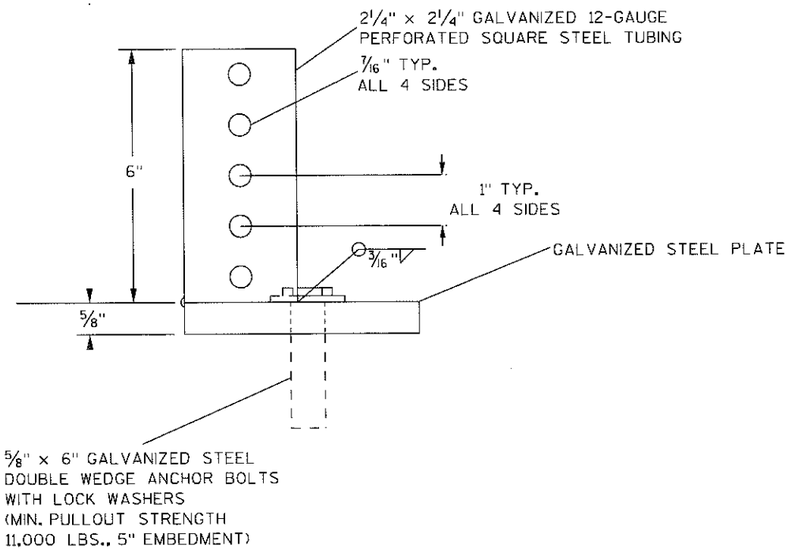
PROJECT NO: 1030-25-74	HWY: 94/CTH G	COUNTY: RACINE	MILE MARKER MOUNTING DETAIL	SHEET	E

FILE NAME : j:\projects\D2_10302594\Sign\MM_POST.DGN PLOT DATE : 17-FEB-2009 13:19 PLOT BY : dotbgw PLOT NAME : PLOT SCALE : 180:1
WISDOT/CADDS SHEET 42

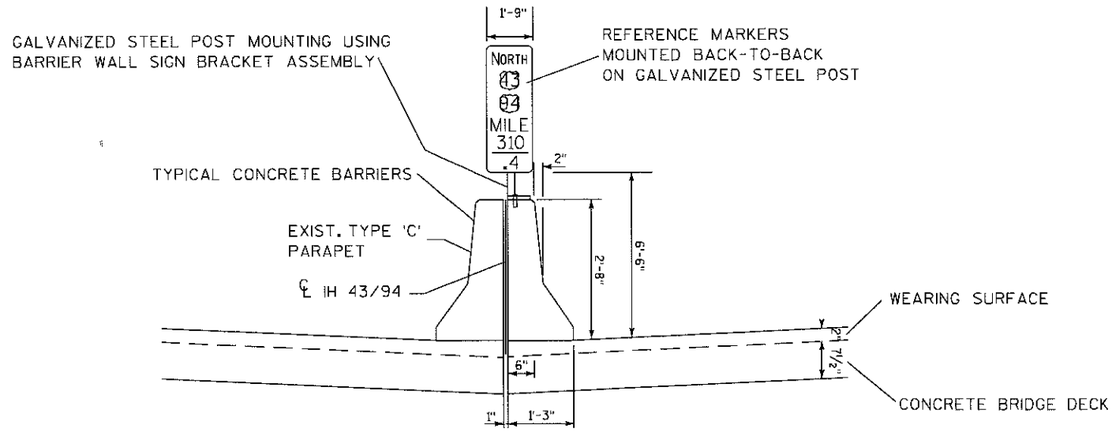
BARRIER WALL SIGN BRACKET ASSEMBLY
NOT TO SCALE



PLAN VIEW



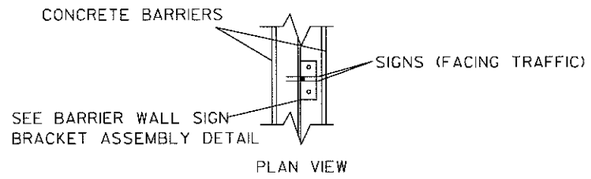
ELEVATION VIEW



DOUBLE MEDIAN BRIDGE PARAPET

DOUBLE MEDIAN BARRIER

TYPICAL SIGN PLACEMENT DETAILS



PLAN VIEW

MEDIAN BRIDGE PARAPET MOUNTING DETAIL
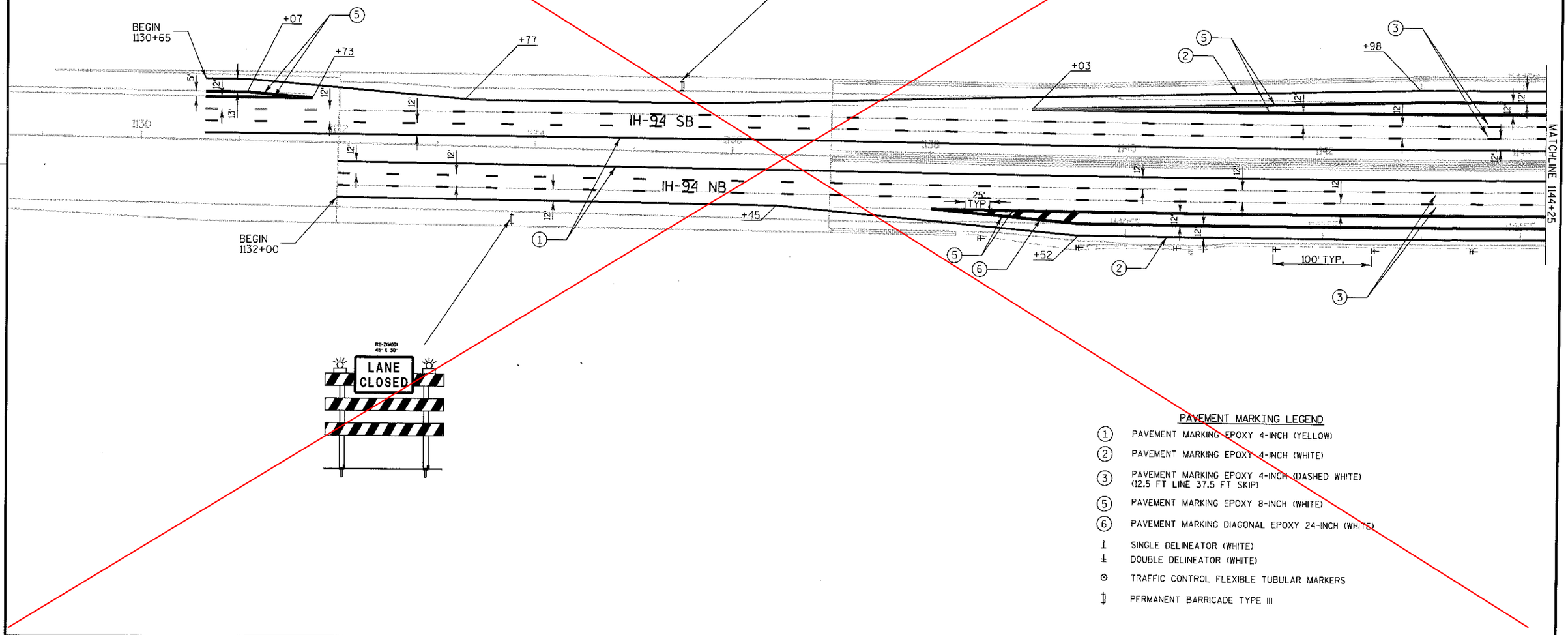
NOTES

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.

PROJECT NO: 1030-25-74	HWY: 94/CTH G	COUNTY: RACINE	OFFSET MILE MARKER MOUNTING DETAIL	SHEET	E

FILE NAME : j:\projects\D2_10302594\Sign\os_mm_post.dgn
PLOT DATE : 17-FEB-2009 13:19 PLOT BY : dotbgw PLOT NAME : PLOT SCALE : 180:1
WISDOT/CADDS SHEET 42





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)
(5)	PAVEMENT MARKING EPOXY 8-INCH (WHITE)
(6)	PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE)
⊥	SINGLE DELINEATOR (WHITE)
⊥	DOUBLE DELINEATOR (WHITE)
⊙	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKERS
‖	PERMANENT BARRICADE TYPE III

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	PAVEMENT MARKING AND DELINEATORS	SHEET 86	E

2

N



BEGIN
1130+65

+07

+73

+36

+36

+96

IH-94 SB

IH-94 NB

1130

1132

1134

1136

1138

1140

1142

1144

1144GW

MATCHLINE 1144+25

+45

+52

25' TYP.

100' TYP.

BEGIN
1132+00



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)
5. PAVEMENT MARKING EPOXY 8-INCH (WHITE)
6. PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE)

⊥ SINGLE DELINEATOR (WHITE)

± DOUBLE DELINEATOR (WHITE)

⊙ TRAFFIC CONTROL FLEXIBLE TUBULAR MARKERS

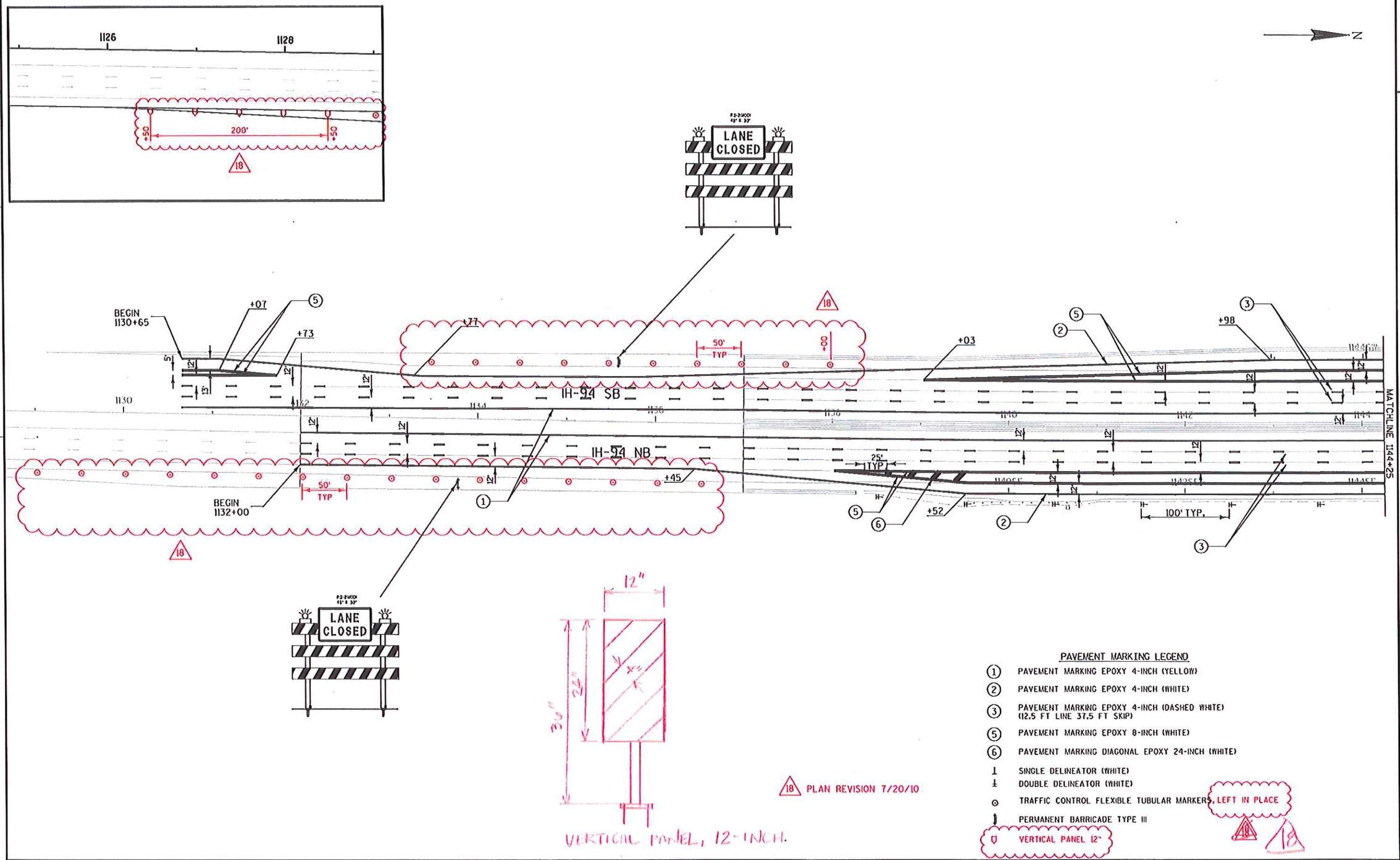
PERMANENT BARRICADE TYPE III

6 10/14/2009

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	PAVEMENT MARKING AND DELINEATORS	SHEET 86A	E

FILE NAME : S:\FinalDesign\G\ProjEng\2009 construction questions_DINs\pavement marking\024501_pm_REV.dgn PLOT DATE : 14-OCT-2009 17:52 PLOT BY : MSCESG PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42



18 PLAN REVISION 7/20/10

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)
5. PAVEMENT MARKING EPOXY 8-INCH (WHITE)
6. PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE)

SINGLE DELINEATOR (WHITE)
DOUBLE DELINEATOR (WHITE)
TRAFFIC CONTROL FLEXIBLE TUBULAR MARKERS, LEFT IN PLACE
PERMANENT BARRICADE TYPE III
0 VERTICAL PANEL 12"

18 18

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	PAVEMENT MARKING AND DELINEATORS	SHEET 86B	E

2

N

MATCHLINE 1244+25

MATCHLINE 1159+75

RAMP SW

IH-94 SB

IH-94 NB

RAMP SE

+44 (1) BEGIN
(5) END

END
1153SE+50

+47 (1) BEGIN
(5) END

END
1150SE+50

100' TYP.

200' TYP.

+76

RID-21400D1
48" x 30"
LANE CLOSED

RID-21400D
48" x 30"
LANE CLOSED

PAVEMENT MARKING LEGEND

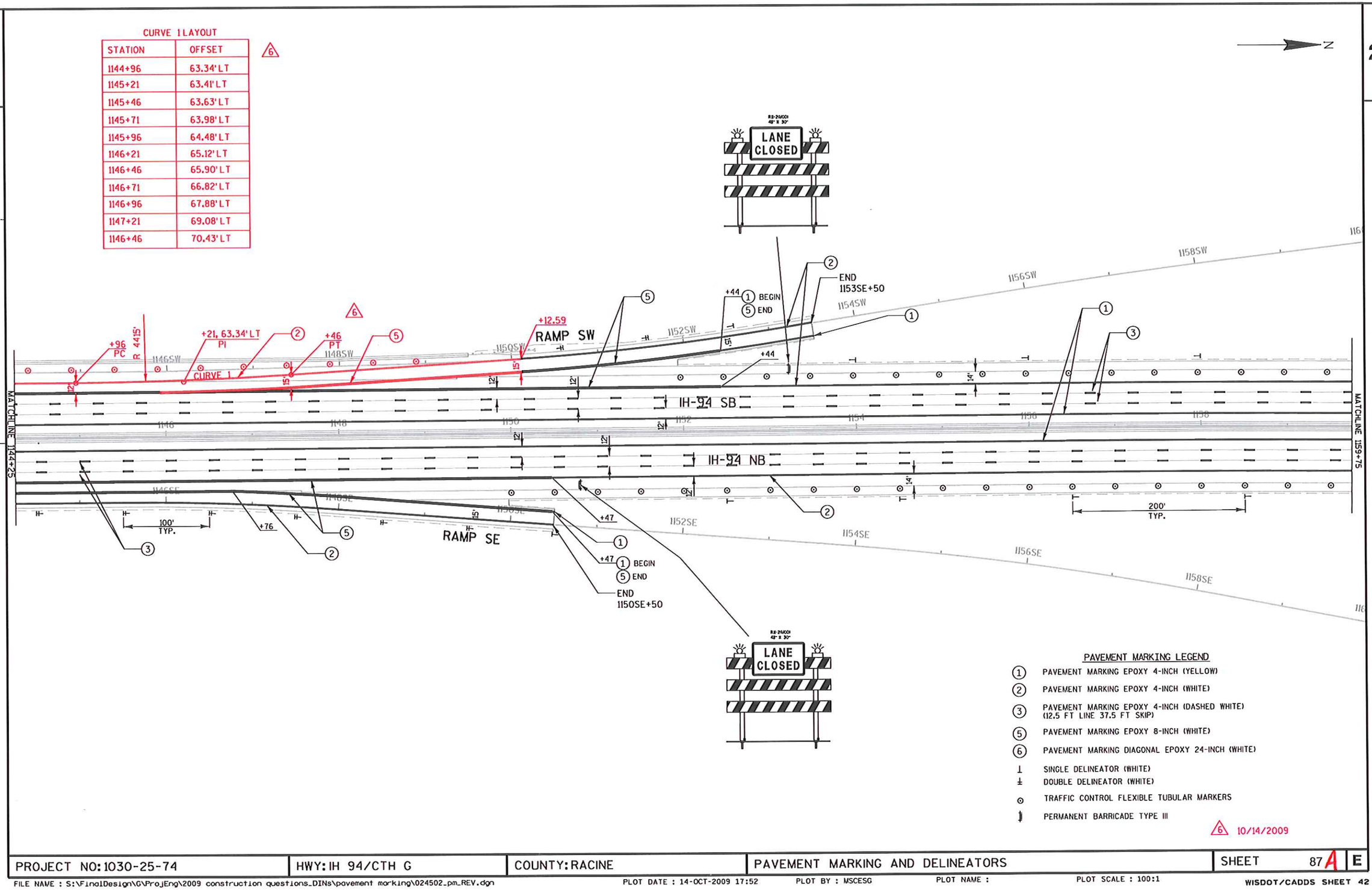
(1) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
(2) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
(3) PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
(5) PAVEMENT MARKING EPOXY 8-INCH (WHITE)
(6) PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE)
SINGLE DELINEATOR (WHITE)
DOUBLE DELINEATOR (WHITE)
TRAFFIC CONTROL FLEXIBLE TUBULAR MARKERS
PERMANENT BARRICADE TYPE III

PROJECT NO:1030-25-74	HWY:IH 94/CTH G	COUNTY:RACINE	PAVEMENT MARKING AND DELINEATORS	SHEET 87	E

CURVE 1 LAYOUT

STATION	OFFSET
1144+96	63.34' LT
1145+21	63.41' LT
1145+46	63.63' LT
1145+71	63.98' LT
1145+96	64.48' LT
1146+21	65.12' LT
1146+46	65.90' LT
1146+71	66.82' LT
1146+96	67.88' LT
1147+21	69.08' LT
1146+46	70.43' LT

△6



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)
5. PAVEMENT MARKING EPOXY 8-INCH (WHITE)
6. PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE)

⊥ SINGLE DELINEATOR (WHITE)
± DOUBLE DELINEATOR (WHITE)
⊙ TRAFFIC CONTROL FLEXIBLE TUBULAR MARKERS
PERMANENT BARRICADE TYPE III

△6 10/14/2009

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	PAVEMENT MARKING AND DELINEATORS	SHEET 87A	E

2

N

LANE CLOSED

LANE CLOSED

LANE CLOSED

LANE CLOSED

MATCHLINE 1159+75

MATCHLINE 1175+00

IH-94 SB

IH-94 NB

RAMP NW

RAMP NE

BEGIN
STA 1173NW+50

BEGIN
STA 1172NE+50

200'
TYP.

1165SW

1162NW

1164NW

1165NW

1168NW

1170NW

1172NW

1165SE

1162NE

1164NE

1165NE

1168NE

1170NE

1172NE

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)
5. PAVEMENT MARKING EPOXY 8-INCH (WHITE)
6. PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE)

⊥ SINGLE DELINEATOR (WHITE)

± DOUBLE DELINEATOR (WHITE)

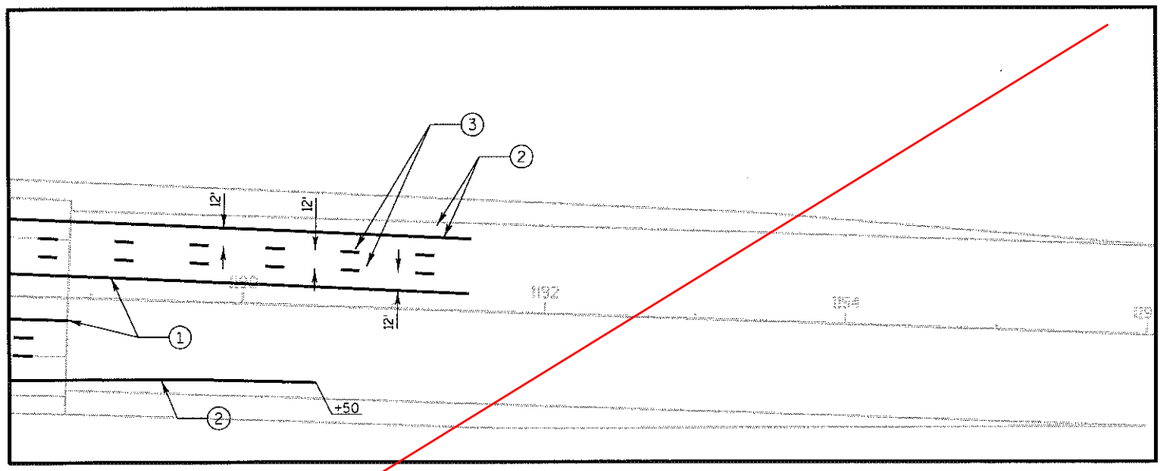
⊙ TRAFFIC CONTROL FLEXIBLE TUBULAR MARKERS

PERMANENT BARRICADE TYPE III

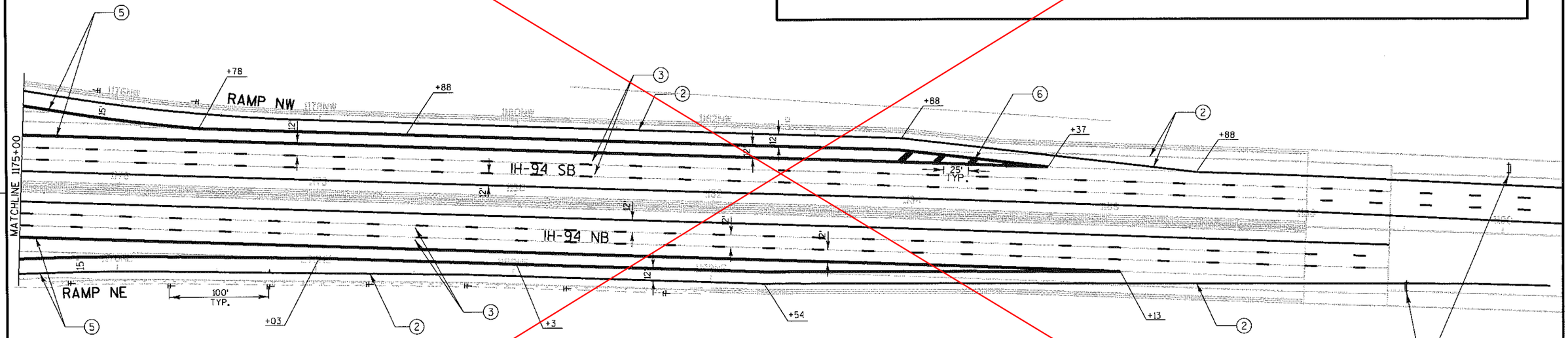
PROJECT NO: 1030-23-74	HWY: IH 94/CTH G	COUNTY: RACINE	PAVEMENT MARKING AND DELINEATORS	SHEET 88	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\024503_pm.dgn PLOT DATE : 28-JAN-2009 13:29 PLOT BY : mscdls PLOT NAME : PLOT SCALE : 100:1

2



N



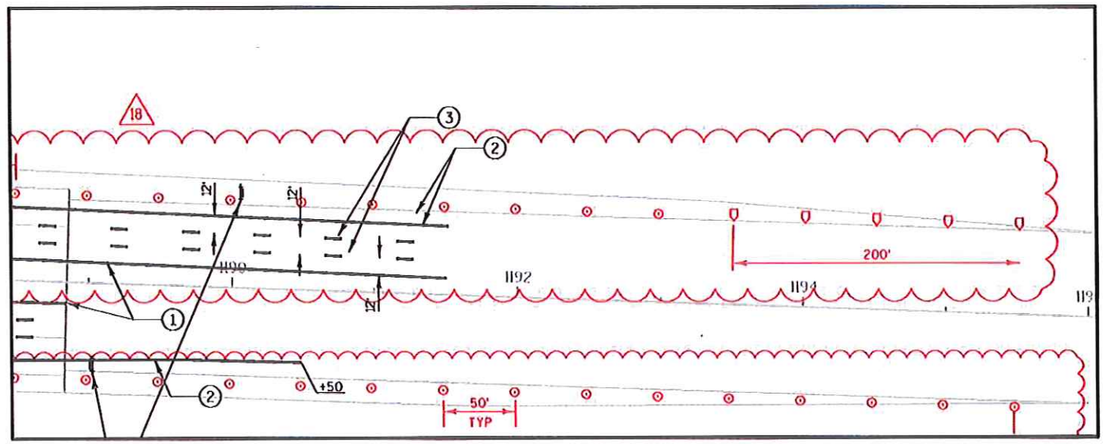
PAVEMENT MARKING LEGEND

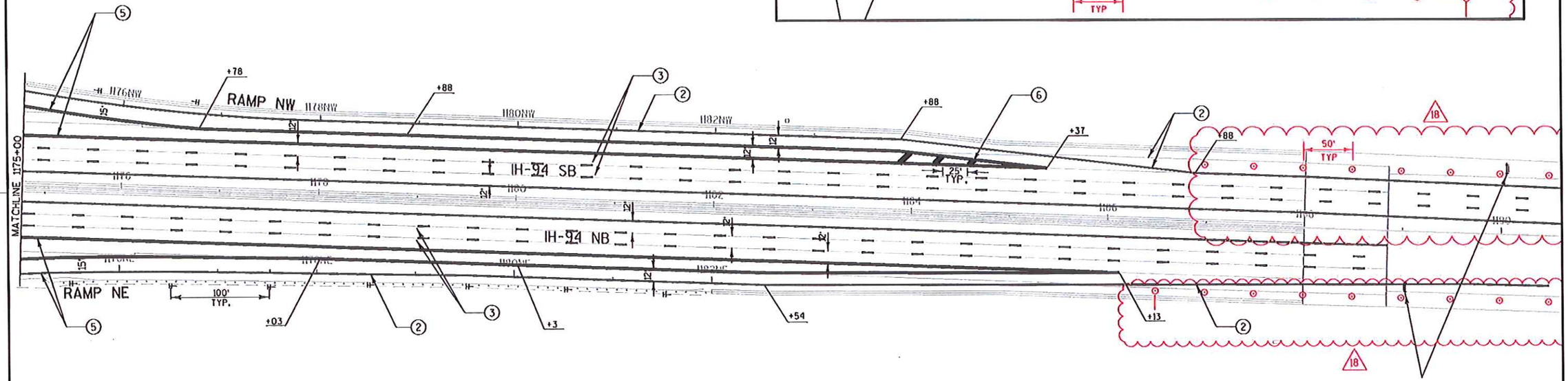
(1)	PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
(2)	PAVEMENT MARKING EPOXY 4-INCH (WHITE)
(3)	PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
(5)	PAVEMENT MARKING EPOXY 8-INCH (WHITE)
(6)	PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE)
⊥	SINGLE DELINEATOR (WHITE)
±	DOUBLE DELINEATOR (WHITE)
⊙	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKERS
‖	PERMANENT BARRICADE TYPE III



PROJECT NO:1030-25-74	HWY: IH 94/CTH G	COUNTY:RACINE	PAVEMENT MARKING AND DELINEATORS	SHEET 89	E

2





PAVEMENT MARKING LEGEND

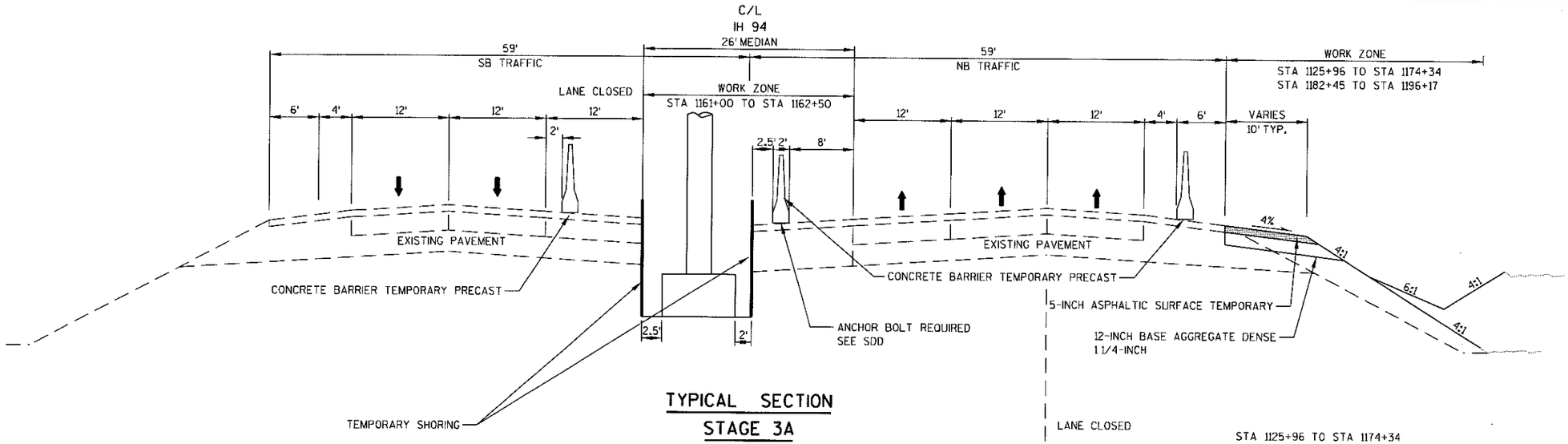
(1)	PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
(2)	PAVEMENT MARKING EPOXY 4-INCH (WHITE)
(3)	PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
(5)	PAVEMENT MARKING EPOXY 8-INCH (WHITE)
(6)	PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE)
⊥	SINGLE DELINEATOR (WHITE)
⊥	DOUBLE DELINEATOR (WHITE)
⊙	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKERS, LEFT IN PLACE
	PERMANENT BARRICADE TYPE II
▯	VERTICAL PANEL 12"



18 PLAN REVISION 7/20/10

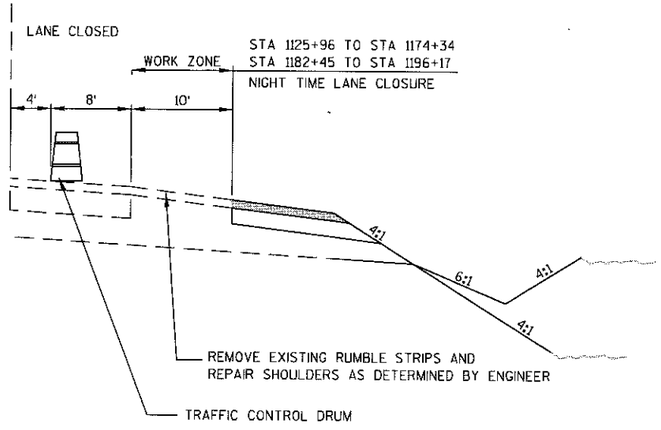
PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RracINE	PAVEMENT MARKING AND DELINEATORS	SHEET 89A	E

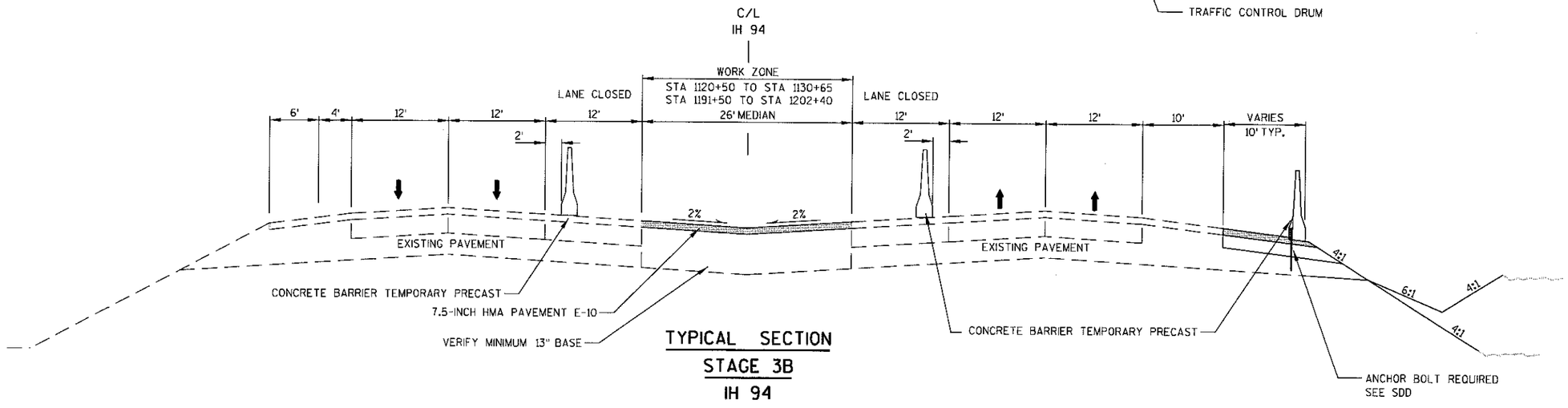
FILE NAME : S:\FinalDesign\G\10302574_M\Roods-Stim\cds\024504_pm.dgn PLOT DATE : 21-JUL-2010 11:11 PLOT BY : MSCESG PLOT NAME : PLOT SCALE : 100:1 WISDOT/CADDS SHEET 42



TYPICAL SECTION
STAGE 3A
IH 94

CONSTRUCT PIER
STA. 1160+31 TO 1162+83
NB TEMPORARY WIDENING
STA. 1125+97 TO 1196+16





TYPICAL SECTION
STAGE 3B
IH 94

CONSTRUCT MEDIAN CROSSOVER
STA. 1120+08 TO 1130+65
STA. 1191+21 TO 1202+65

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 3 CONSTRUCTION - TYPICAL SECTIONS	SHEET 90	E

NOTE:
1) CLOSE IH94 NB RIGHT SHOULDER
SEE SDD "TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH", FOR APPROPRIATE SIGNS AND SPACING

2) RAMP SE CLOSED, SEE SDD "TRAFFIC CONTROL, EXIT RAMP CLOSURE"

N

WEST FRONTAGE ROAD

1116 1118 1120 1122 1124 1126 1128

IH-94 SB

IH-94 NB

200'

CC

5280' 5280'

1120+96.48

CONCRETE BARRIER TEMPORARY PRECAST (REMOVE FOR RUMBLE STRIPS REMOVAL)

1125+96.50 BEGIN TEMPORARY WIDENING

CONSTRUCTION: TEMPORARY WIDENING

MATCHLINE 1130+00

EAST FRONTAGE ROAD

ROAD WORK 2 MILES W20-1

ROAD WORK 1 MILE W20-1

STAGING LEGEND

- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TRAFFIC CONTROL FLEXIBLE TUBULAR MAKKERS
- TRAFFIC CONTROL ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- PCMS TRAFFIC CONTROL SIGN PORTABLE CHANGEABLE MESSAGE
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC FLOW ARROW
- CC CRASH CUSHION TEMPORARY
- WORK ZONE THIS STAGE
- XXXXX REMOVING PAVEMENT MARKING
- SIGN ON TEMPORARY SUPPORT
- TBC TEMPORARY THRIE BEAM CONNECTION

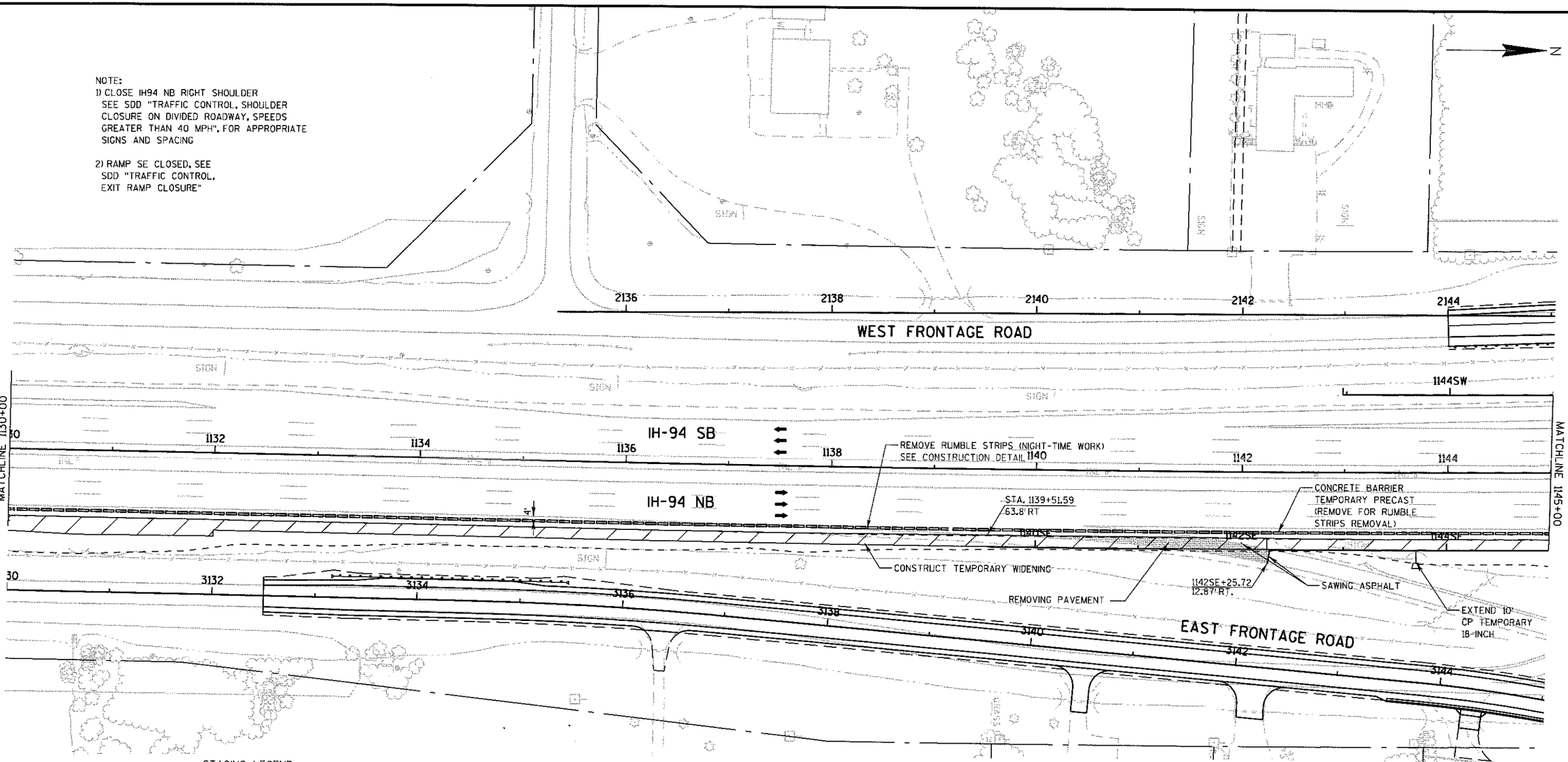
LEGEND

- (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 (DOT PATTERN WHITE) (3 FT LINE 12 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)
- (12) PAVEMENT MARKING PAINT 8-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 12 FT SKIP)
- (15) PAVEMENT MARKING DIAGONAL PAINT 24-INCH (WHITE)
- (20) TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH EDGELINE (WHITE)
- (21) TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 4-INCH EDGELINE (YELLOW)
- (P) PERMANENT PAVEMENT MARKING, SEE PAVEMENT MARKING PLAN

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 3A CONSTRUCTION	SHEET 91	E

NOTE:
1) CLOSE IH94 NB RIGHT SHOULDER SEE SDD "TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH", FOR APPROPRIATE SIGNS AND SPACING

2) RAMP SE CLOSED, SEE SDD "TRAFFIC CONTROL, EXIT RAMP CLOSURE"



STAGING LEGEND

- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TRAFFIC CONTROL FLEXIBLE TUBULAR MAKKERS
- TRAFFIC CONTROL ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- PCMS — TRAFFIC CONTROL SIGN PORTABLE CHANGEABLE MESSAGE
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC FLOW ARROW
- CC — CRASH CUSHION TEMPORARY
- WORK ZONE THIS STAGE
- XXXXX REMOVING PAVEMENT MARKING
- SIGN ON TEMPORARY SUPPORT
- TBC — TEMPORARY THRIE BEAM CONNECTION

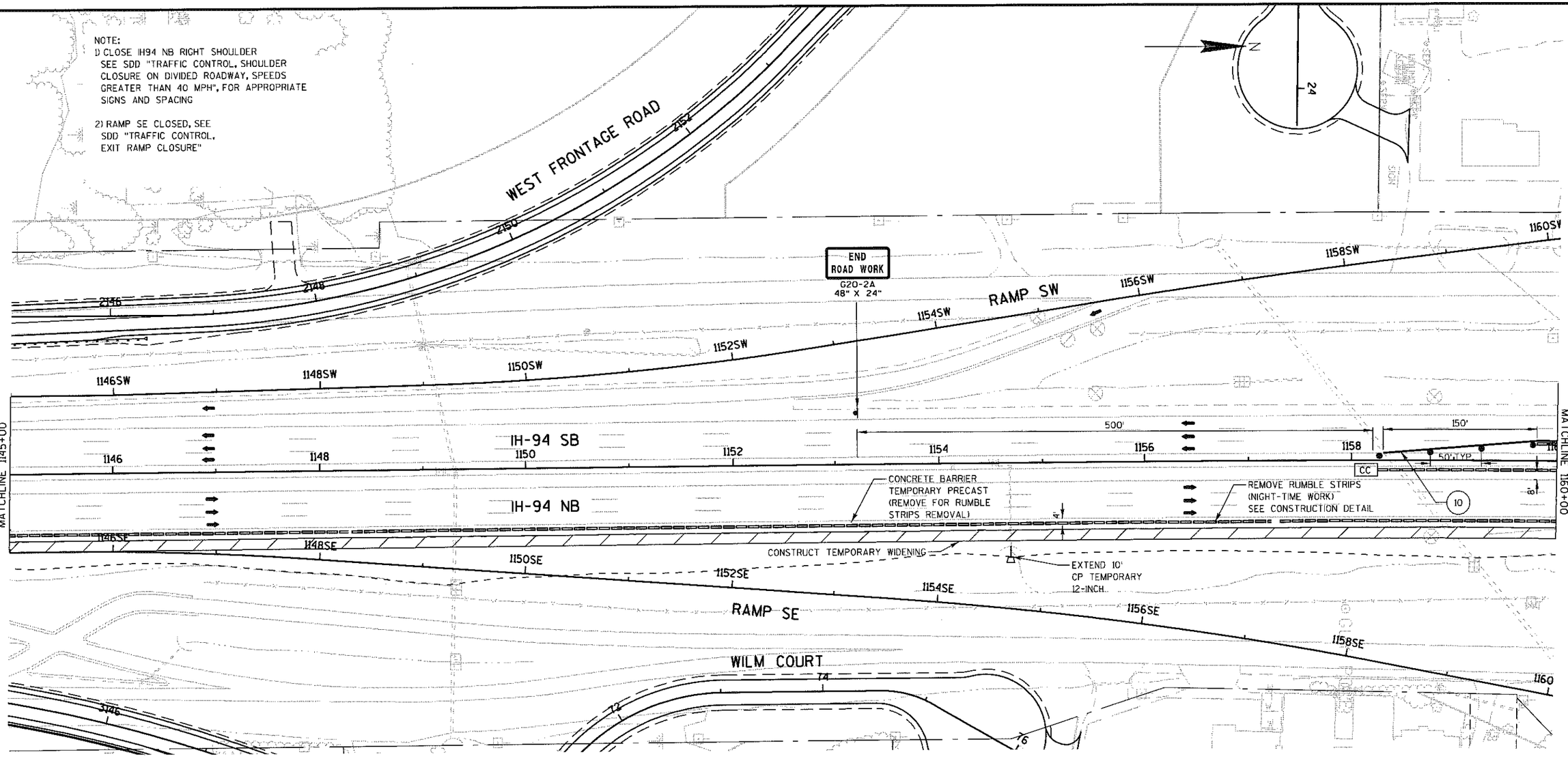
LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
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21. TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 4-INCH EDGELINE (YELLOW)
P. PERMANENT PAVEMENT MARKING, SEE PAVEMENT MARKING PLAN

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 3A CONSTRUCTION	SHEET 92	E

NOTE:
1) CLOSE IH94 NB RIGHT SHOULDER SEE SDD "TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH", FOR APPROPRIATE SIGNS AND SPACING

2) RAMP SE CLOSED, SEE SDD "TRAFFIC CONTROL, EXIT RAMP CLOSURE"



STAGING LEGEND

- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TRAFFIC CONTROL FLEXIBLE TUBULAR MAKKERS
- TRAFFIC CONTROL ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- PCMS — TRAFFIC CONTROL SIGN PORTABLE CHANGEABLE MESSAGE
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC FLOW ARROW
- CC — CRASH CUSHION TEMPORARY
- WORK ZONE THIS STAGE
- XXXXX REMOVING PAVEMENT MARKING
- SIGN ON TEMPORARY SUPPORT
- TBC — TEMPORARY THRIE BEAM CONNECTION

LEGEND

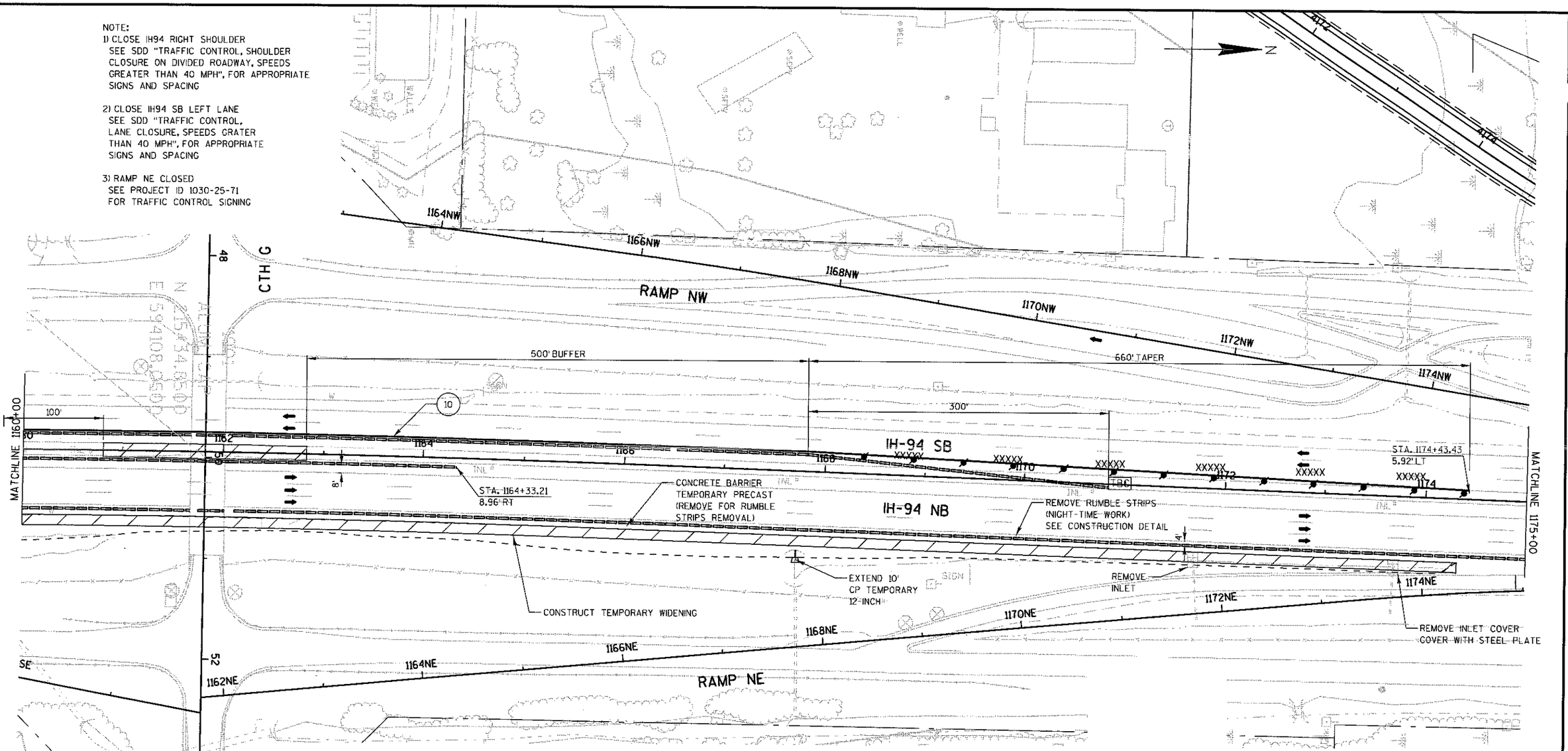
1. PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
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3. PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
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21. TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 4-INCH EDGELINE (YELLOW)
P. PERMANENT PAVEMENT MARKING, SEE PAVEMENT MARKING PLAN

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 3A CONSTRUCTION	SHEET 93	E

NOTE:
1) CLOSE IH94 RIGHT SHOULDER
SEE SDD "TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH", FOR APPROPRIATE SIGNS AND SPACING

2) CLOSE IH94 SB LEFT LANE
SEE SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GRATER THAN 40 MPH", FOR APPROPRIATE SIGNS AND SPACING

3) RAMP NE CLOSED
SEE PROJECT ID 1030-25-71
FOR TRAFFIC CONTROL SIGNING



STAGING LEGEND

- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TRAFFIC CONTROL FLEXIBLE TUBULAR MAKKERS
- TRAFFIC CONTROL ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- PCMS TRAFFIC CONTROL SIGN PORTABLE CHANGEABLE MESSAGE
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC FLOW ARROW
- CC CRASH CUSHION TEMPORARY
- WORK ZONE THIS STAGE
- XXXXX REMOVING PAVEMENT MARKING
- SIGN ON TEMPORARY SUPPORT
- TBC TEMPORARY THRIE BEAM CONNECTION

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)
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20. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH EDGELINE (WHITE)
21. TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 4-INCH EDGELINE (YELLOW)
P. PERMANENT PAVEMENT MARKING, SEE PAVEMENT MARKING PLAN

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 3A CONSTRUCTION	SHEET 94	E

NOTE:
1) CLOSE IH94 RIGHT SHOULDER
SEE SDD "TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH", FOR APPROPRIATE SIGNS AND SPACING

2) RAMP NE CLOSED
SEE PROJECT ID 1030-25-71 FOR TRAFFIC CONTROL SIGNING

N

WEST FRONTAGE ROAD

4176 4178 4180 4182 4184 4186

1176NW 1178NW 1180NW 1182NW

SIGN SIGN SIGN

PCMS

MATCHLINE 1175+00

1176 1178 1180 1182 IH-94 SB 1184 1186 1188

1176NE 1178NE 1180NE 1182NE IH-94 NB

MATCHLINE 1190+00

CONCRETE BARRIER TEMPORARY PRECAST (REMOVE FOR RUMBLE STRIPS REMOVAL)

CONSTRUCT TEMPORARY WIDENING

REMOVE RUMBLE STRIPS (NIGHT-TIME WORK) SEE CONSTRUCTION DETAIL

EAST FRONTAGE ROAD

5176 5178 5180 5182 5184 5186

STAGING LEGEND

- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TRAFFIC CONTROL FLEXIBLE TUBULAR MAKKERS
- TRAFFIC CONTROL ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- PCMS TRAFFIC CONTROL SIGN PORTABLE CHANGEABLE MESSAGE
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC FLOW ARROW
- CC CRASH CUSHION TEMPORARY
- WORK ZONE THIS STAGE
- XXXXX REMOVING PAVEMENT MARKING
- SIGN ON TEMPORARY SUPPORT
- TBC TEMPORARY THRIE BEAM CONNECTION

LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
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21. TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 4-INCH EDGELINE (YELLOW)
P. PERMANENT PAVEMENT MARKING, SEE PAVEMENT MARKING PLAN

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 3A CONSTRUCTION	SHEET 95	E

2

SCHATTNER

SCHATTNER

BARKER

(A) ROADWORK AHEAD EXPECT DELAYS

FIXED MESSAGE SIGN
SEE SIGN DETAILS FOR
LAYOUT INFORMATION

N

ROAD WORK 2 MILES W20-1

11235'

500'

MATCHLINE 1190+00

1190

1192

1194

1196

1198

1200

1202

1204

PCMS

IH-94 SB

IH-94 NB

CONCRETE BARRIER TEMPORARY PRECAST (REMOVE FOR RUMBLE STRIPS REMOVAL)

REMOVE RUMBLE STRIPS (NIGHT-TIME WORK) SEE CONSTRUCTION DETAIL

CONSTRUCT TEMPORARY WIDENING

1196+16.38 END TEMPORARY WIDENING

STAGING LEGEND

- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
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- SIGN ON TEMPORARY SUPPORT
- TBC TEMPORARY THRIE BEAM CONNECTION

LEGEND

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P. PERMANENT PAVEMENT MARKING. SEE PAVEMENT MARKING PLAN

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 3A CONSTRUCTION	SHEET 96	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\026307_s3A.dgn PLOT DATE : 28-JAN-2009 13:32 PLOT BY : mscdls PLOT NAME : PLOT SCALE : 100:1

NOTE:
1) CLOSE IH94 NB LEFT LANE
SEE SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 MPH, FOR APPROPRIATE SIGNS AND SPACING

2) RAMP SE CLOSED, SEE SDD "TRAFFIC CONTROL, EXIT RAMP CLOSURE"

N

END ROAD WORK
G20-2A
48" X 24"

1104 1106 1108 1110 1112 1114 1116 1118

IH-94 SB

IH-94 NB

CC

PCMS

XXXXX

500' 300' 150' 50'

660' TAPER

500' BUFFER

21

MATCHLINE 1119+00

ROAD WORK 2 MILES
W20-1

SEE STAGE 3A FOR LOCATION

STAGING LEGEND

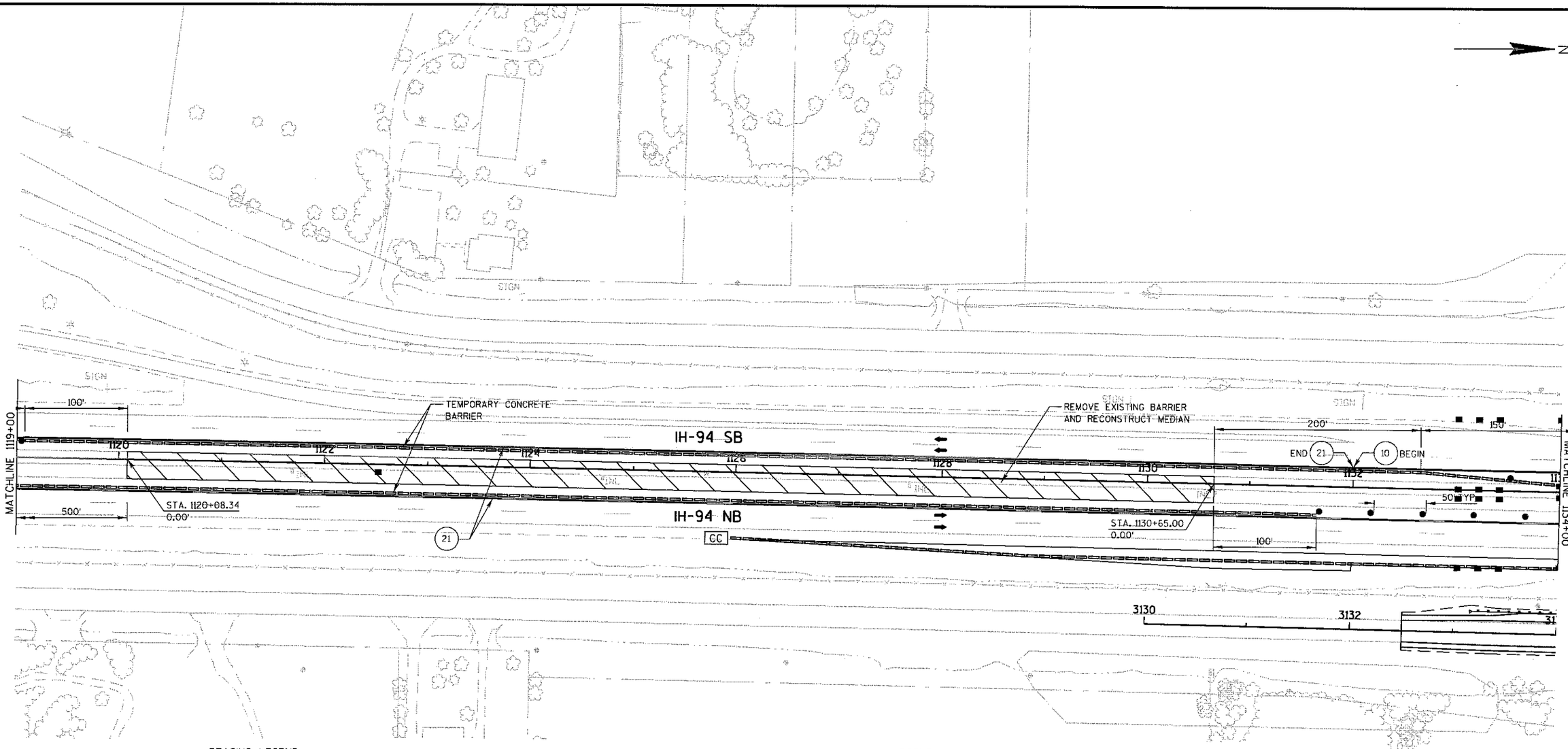
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TRAFFIC CONTROL FLEXIBLE TUBULAR MAKKERS
- TRAFFIC CONTROL ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- PCMS TRAFFIC CONTROL SIGN PORTABLE CHANGEABLE MESSAGE
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC FLOW ARROW
- CC CRASH CUSHION TEMPORARY
- WORK ZONE THIS STAGE
- XXXXX REMOVING PAVEMENT MARKING
- SIGN ON TEMPORARY SUPPORT
- TBC TEMPORARY THRIE BEAM CONNECTION

LEGEND

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P. PERMANENT PAVEMENT MARKING, SEE PAVEMENT MARKING PLAN

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 3B CONSTRUCTION	SHEET 97	E

2



STAGING LEGEND

- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TRAFFIC CONTROL FLEXIBLE TUBULAR MAKKERS
- TRAFFIC CONTROL ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- PCMS — TRAFFIC CONTROL SIGN PORTABLE CHANGEABLE MESSAGE
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC FLOW ARROW
- CC — CRASH CUSHION TEMPORARY
- WORK ZONE THIS STAGE
- XXXXX REMOVING PAVEMENT MARKING
- SIGN ON TEMPORARY SUPPORT
- TBC — TEMPORARY THRIE BEAM CONNECTION

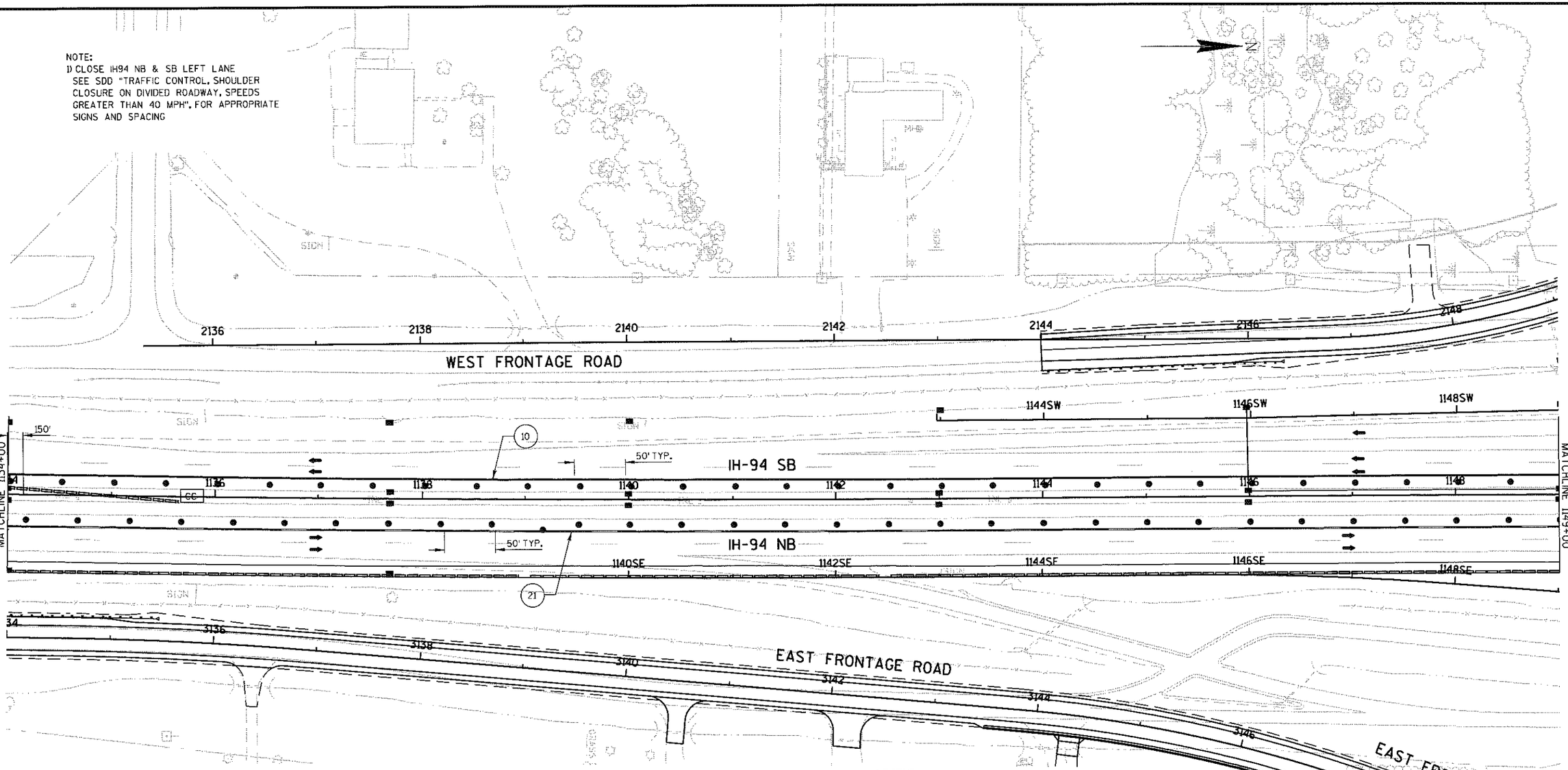
LEGEND

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 (DOT PATTERN WHITE) (3 FT LINE 12 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)
12. PAVEMENT MARKING PAINT 8-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 12 FT SKIP)
15. PAVEMENT MARKING DIAGONAL PAINT 24-INCH (WHITE)
20. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH EDGELINE (WHITE)
21. TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 4-INCH EDGELINE (YELLOW)
P. PERMANENT PAVEMENT MARKING, SEE PAVEMENT MARKING PLAN

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 3B CONSTRUCTION	SHEET 98	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\026312_s3B.dgn PLOT DATE : 28-JAN-2009 13:33 PLOT BY : mscdls PLOT NAME : PLOT SCALE : 100:1

NOTE:
1) CLOSE IH94 NB & SB LEFT LANE SEE SDD "TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH", FOR APPROPRIATE SIGNS AND SPACING



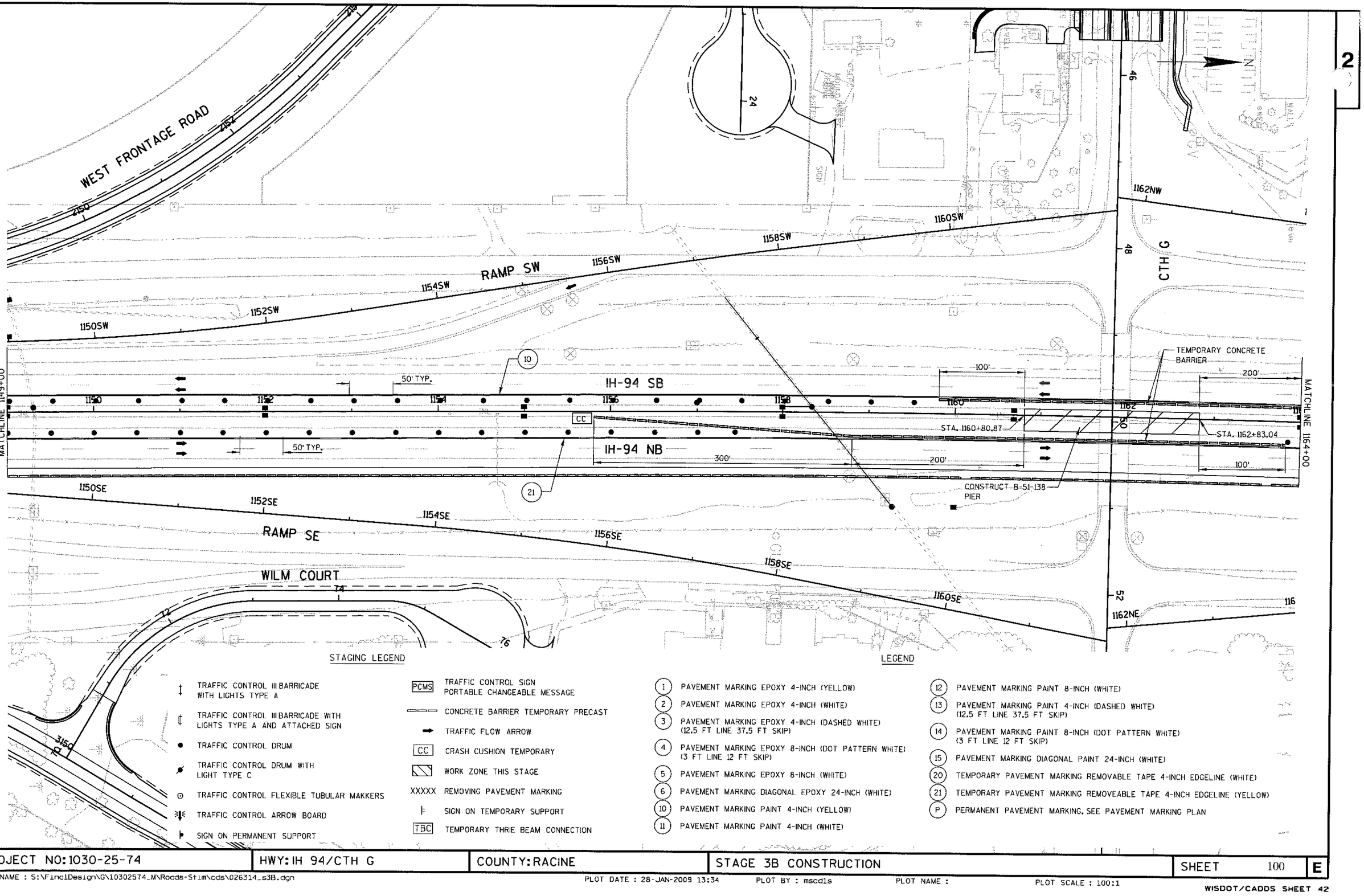
STAGING LEGEND

- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TRAFFIC CONTROL FLEXIBLE TUBULAR MAKKERS
- TRAFFIC CONTROL ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- PCMS — TRAFFIC CONTROL SIGN PORTABLE CHANGEABLE MESSAGE
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC FLOW ARROW
- CC — CRASH CUSHION TEMPORARY
- WORK ZONE THIS STAGE
- XXXXX — REMOVING PAVEMENT MARKING
- SIGN ON TEMPORARY SUPPORT
- TBC — TEMPORARY THRIE BEAM CONNECTION

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 (DOT PATTERN WHITE) (3 FT LINE 12 FT SKIP)
5. PAVEMENT MARKING EPOXY 8-INCH (WHITE)
6. PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE)
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12. PAVEMENT MARKING PAINT 8-INCH (WHITE)
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14. PAVEMENT MARKING PAINT 8-INCH (DOT PATTERN WHITE) (3 FT LINE 12 FT SKIP)
15. PAVEMENT MARKING DIAGONAL PAINT 24-INCH (WHITE)
20. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH EDGELINE (WHITE)
21. TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 4-INCH EDGELINE (YELLOW)
P. PERMANENT PAVEMENT MARKING, SEE PAVEMENT MARKING PLAN

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 3B CONSTRUCTION	SHEET 99	E



STAGING LEGEND

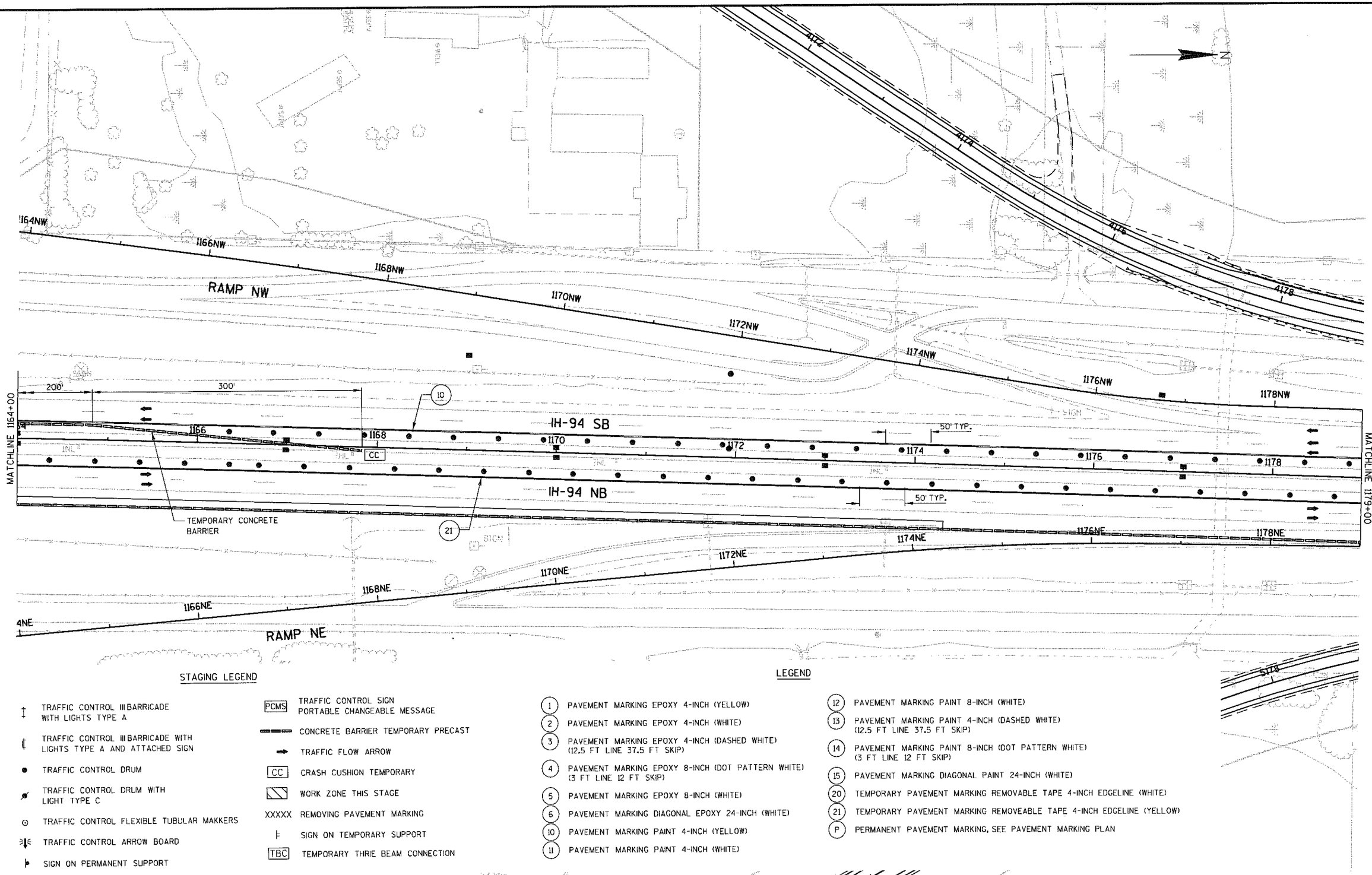
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TRAFFIC CONTROL FLEXIBLE TUBULAR MAKKERS
- TRAFFIC CONTROL ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- PCMS — TRAFFIC CONTROL SIGN PORTABLE CHANGEABLE MESSAGE
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- TRAFFIC FLOW ARROW
- CC — CRASH CUSHION TEMPORARY
- WORK ZONE THIS STAGE
- XXXXX REMOVING PAVEMENT MARKING
- SIGN ON TEMPORARY SUPPORT
- TBC — TEMPORARY THRIE BEAM CONNECTION

LEGEND

- (1) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
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- (21) TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 4-INCH EDGELINE (YELLOW)
- (P) PERMANENT PAVEMENT MARKING, SEE PAVEMENT MARKING PLAN

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 3B CONSTRUCTION	SHEET 100	E

2



STAGING LEGEND

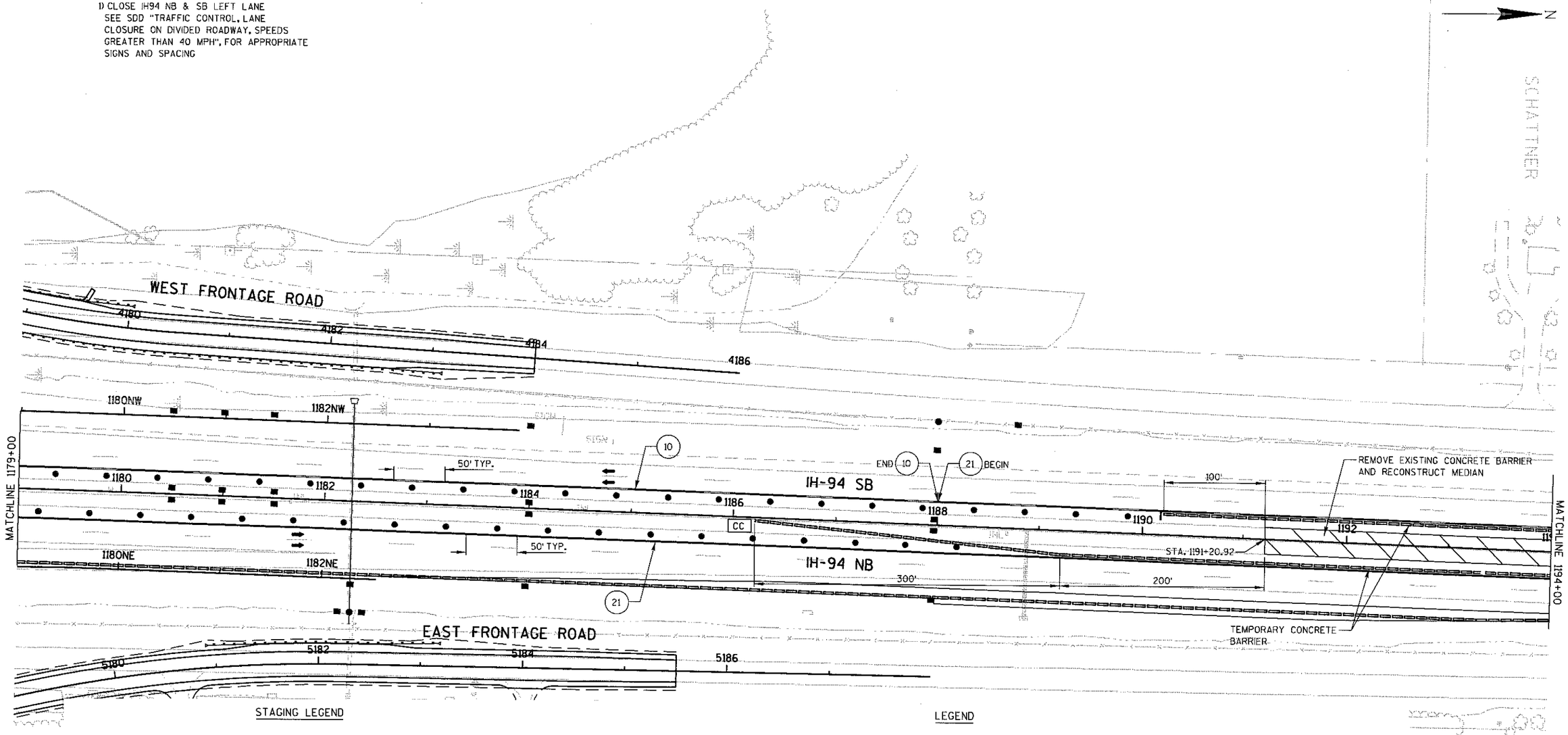
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A
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- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
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- WORK ZONE THIS STAGE
- XXXXX REMOVING PAVEMENT MARKING
- SIGN ON TEMPORARY SUPPORT
- TBC — TEMPORARY THRIE BEAM CONNECTION

LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
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21. TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 4-INCH EDGELINE (YELLOW)
P. PERMANENT PAVEMENT MARKING, SEE PAVEMENT MARKING PLAN

PROJECT NO:1030-25-74	HWY:IH 94/CTH G	COUNTY:RACINE	STAGE 3B CONSTRUCTION	SHEET 101	E

NOTE:
1) CLOSE IH94 NB & SB LEFT LANE SEE SDD "TRAFFIC CONTROL, LANE CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH", FOR APPROPRIATE SIGNS AND SPACING



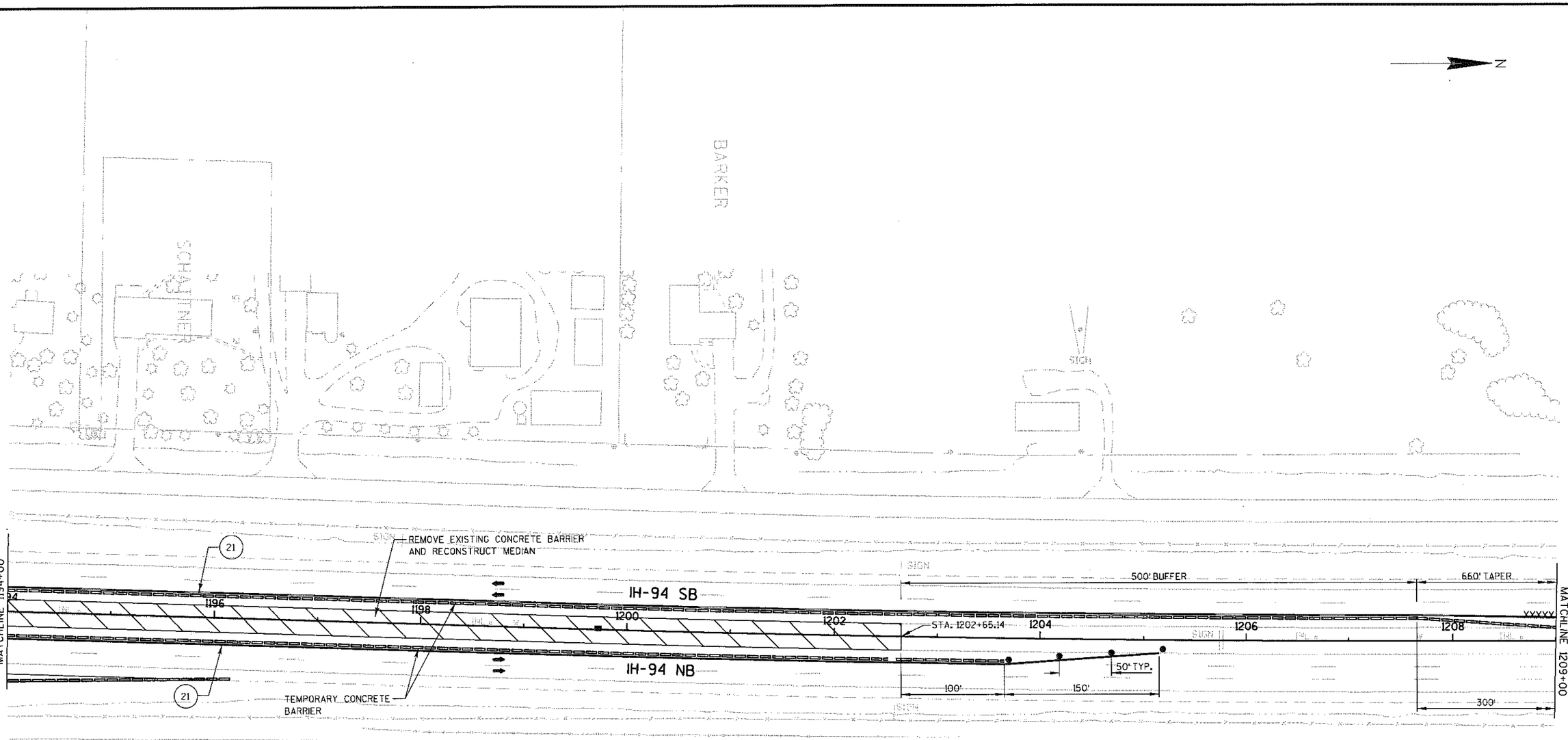
STAGING LEGEND

- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A AND ATTACHED SIGN
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- TRAFFIC FLOW ARROW
- CC — CRASH CUSHION TEMPORARY
- WORK ZONE THIS STAGE
- XXXXX — REMOVING PAVEMENT MARKING
- SIGN ON TEMPORARY SUPPORT
- TBC — TEMPORARY THRIE BEAM CONNECTION

LEGEND

- (1) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
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- (21) TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 4-INCH EDGELINE (YELLOW)
- (P) PERMANENT PAVEMENT MARKING, SEE PAVEMENT MARKING PLAN

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 3B CONSTRUCTION	SHEET 102	E



STAGING LEGEND

- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TRAFFIC CONTROL FLEXIBLE TUBULAR MAKKERS
- TRAFFIC CONTROL ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- PCMS — TRAFFIC CONTROL SIGN PORTABLE CHANGEABLE MESSAGE
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC FLOW ARROW
- CC — CRASH CUSHION TEMPORARY
- WORK ZONE THIS STAGE
- XXXXX — REMOVING PAVEMENT MARKING
- SIGN ON TEMPORARY SUPPORT
- TBC — TEMPORARY THRIE BEAM CONNECTION

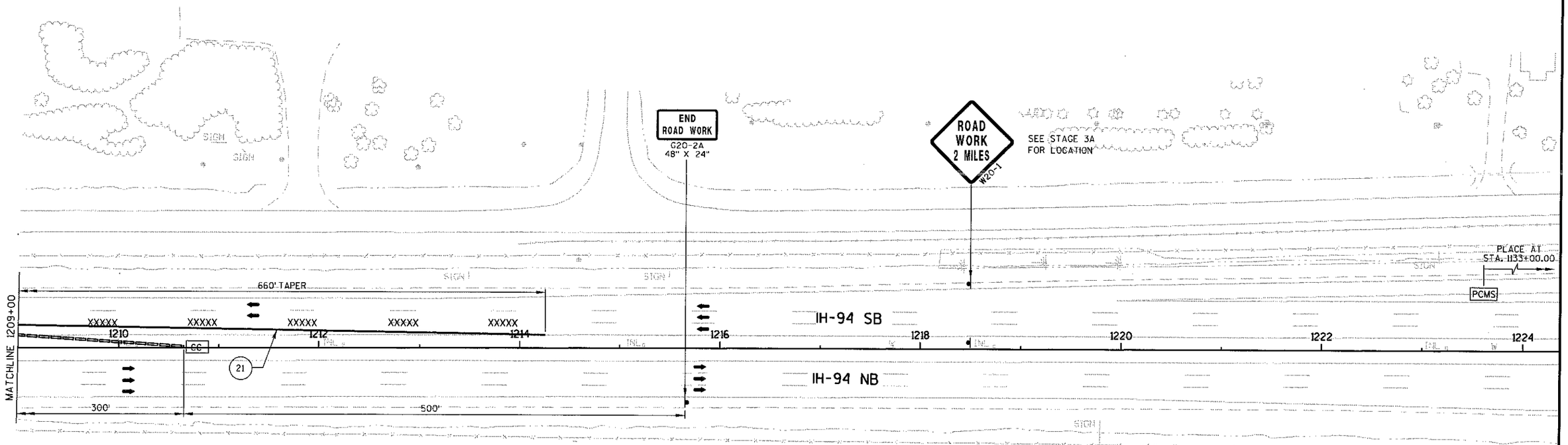
LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
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21. TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 4-INCH EDGELINE (YELLOW)
P. PERMANENT PAVEMENT MARKING, SEE PAVEMENT MARKING PLAN

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 3B CONSTRUCTION	SHEET 103	E

NOTE:
1) CLOSE IH94 SB LEFT LANE
SEE SDD "TRAFFIC CONTROL, LANE CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH", FOR APPROPRIATE SIGNS AND SPACING

N



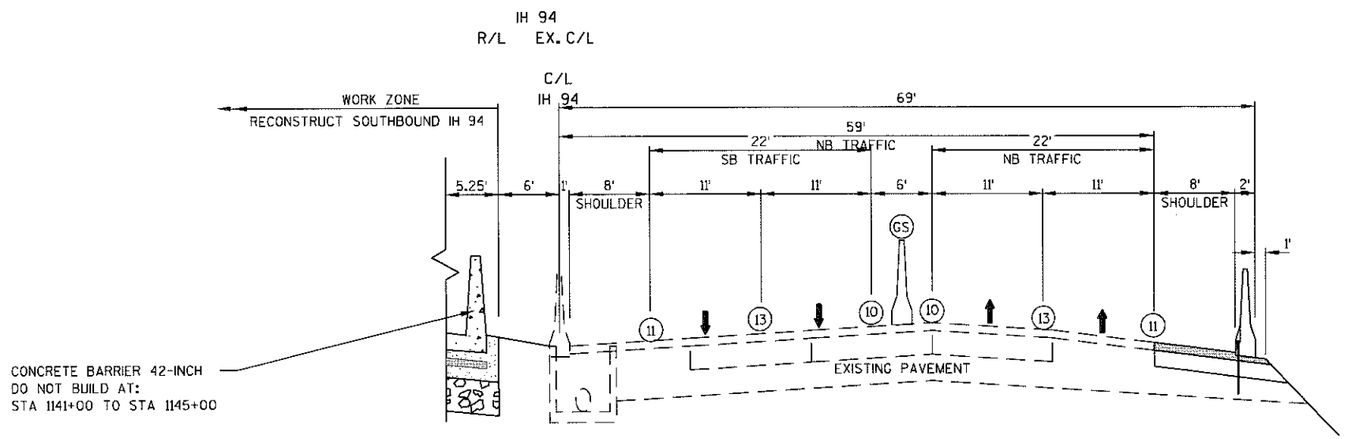
STAGING LEGEND

- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TRAFFIC CONTROL FLEXIBLE TUBULAR MAKKERS
- TRAFFIC CONTROL ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- PCMS — TRAFFIC CONTROL SIGN PORTABLE CHANGEABLE MESSAGE
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC FLOW ARROW
- CC — CRASH CUSHION TEMPORARY
- WORK ZONE THIS STAGE
- XXXXX REMOVING PAVEMENT MARKING
- SIGN ON TEMPORARY SUPPORT
- TBC — TEMPORARY THRIE BEAM CONNECTION

LEGEND

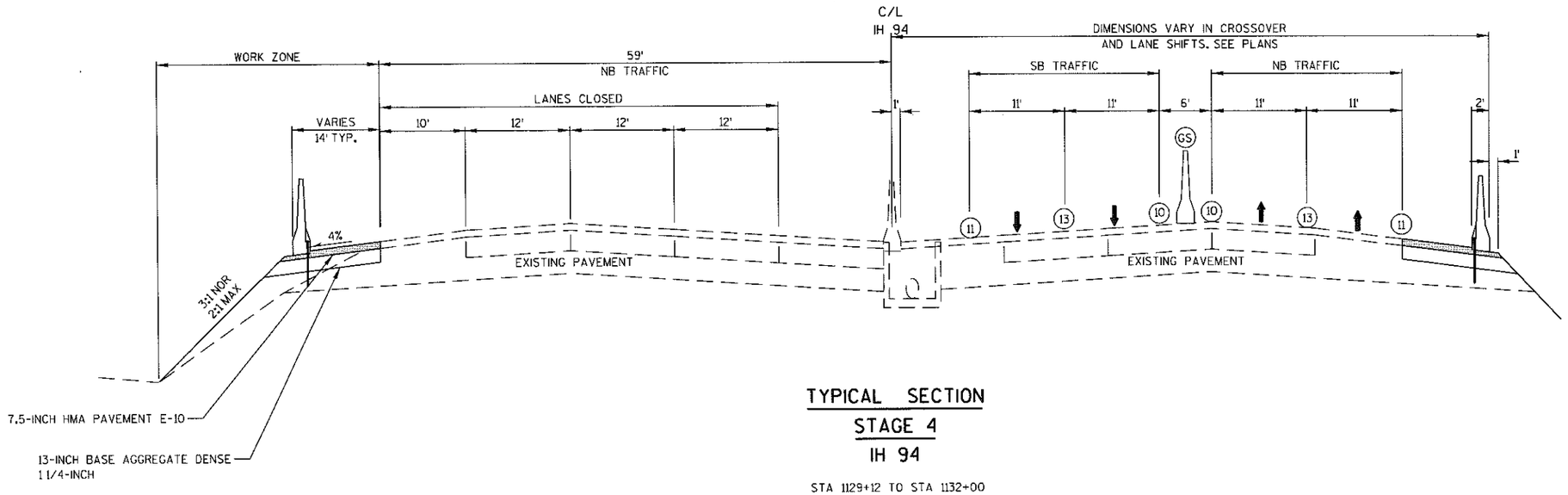
1. PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
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20. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH EDGELINE (WHITE)
21. TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 4-INCH EDGELINE (YELLOW)
P. PERMANENT PAVEMENT MARKING, SEE PAVEMENT MARKING PLAN

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 3B CONSTRUCTION	SHEET 104	E



TYPICAL SECTION
STAGE 4
IH 94

STA. 1132+00 TO STA 1188+85



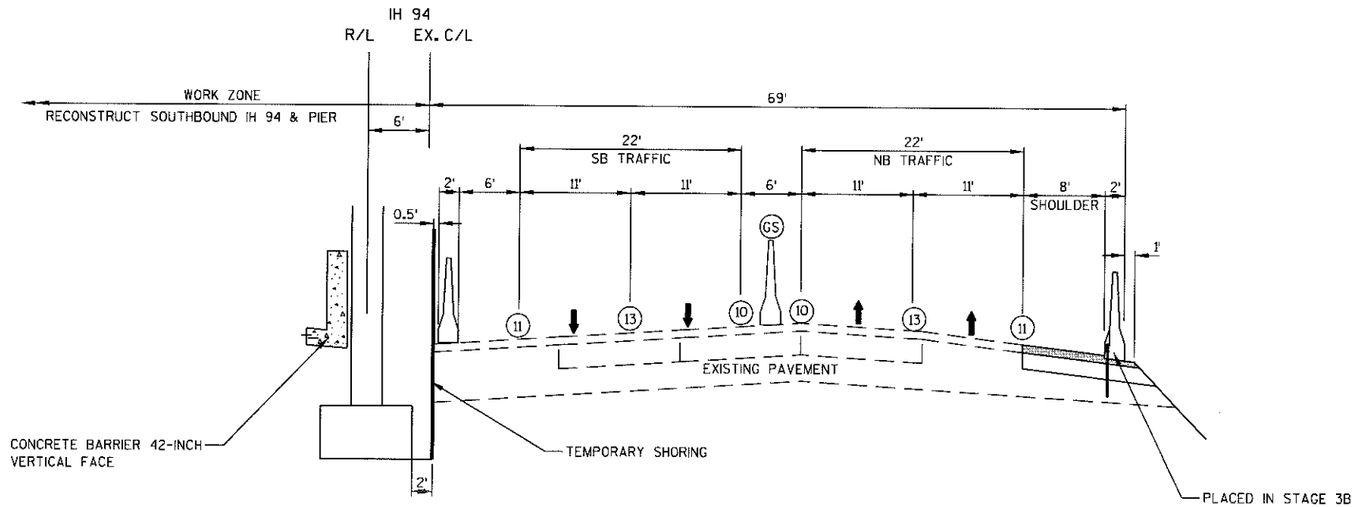
TYPICAL SECTION
STAGE 4
IH 94

STA 1129+12 TO STA 1132+00
STA 1188+85 TO STA 1196+24

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)
- (GS) GLARE SCREEN TEMPORARY
- TRAFFIC FLOW

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 4 CONSTRUCTION - TYPICAL SECTIONS	SHEET 105	E



TYPICAL SECTION
STAGE 4
IH 94

STA. 1160+81 TO STA. 1162+83

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)
- (GS) GLARE SCREEN TEMPORARY
- TRAFFIC FLOW

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 4 CONSTRUCTION - TYPICAL SECTIONS	SHEET 106	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\026410_s4.dgn PLOT DATE : 20-FEB-2009 14:16 PLOT BY : mscce_j PLOT NAME : 026410_s4 PLOT SCALE : 15:1

STAGING LEGEND

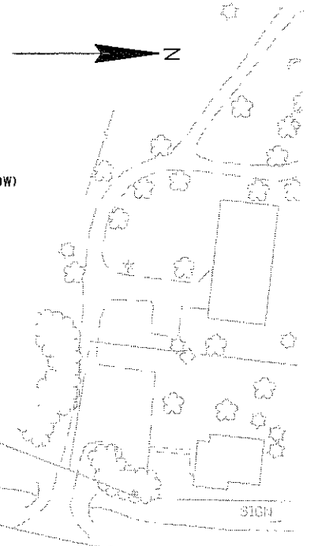
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKERS
- TRAFFIC CONTROL ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- PCMS — TRAFFIC CONTROL SIGN PORTABLE CHANGEABLE MESSAGE
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC FLOW ARROW
- CC — CRASH CUSHION TEMPORARY
- WORK ZONE THIS STAGE
- XXXXX REMOVING PAVEMENT MARKING
- SIGN ON TEMPORARY SUPPORT
- TBC — TEMPORARY THRIE BEAM CONNECTION
- (XXX) STORM SEWER STRUCTURE NUMBER

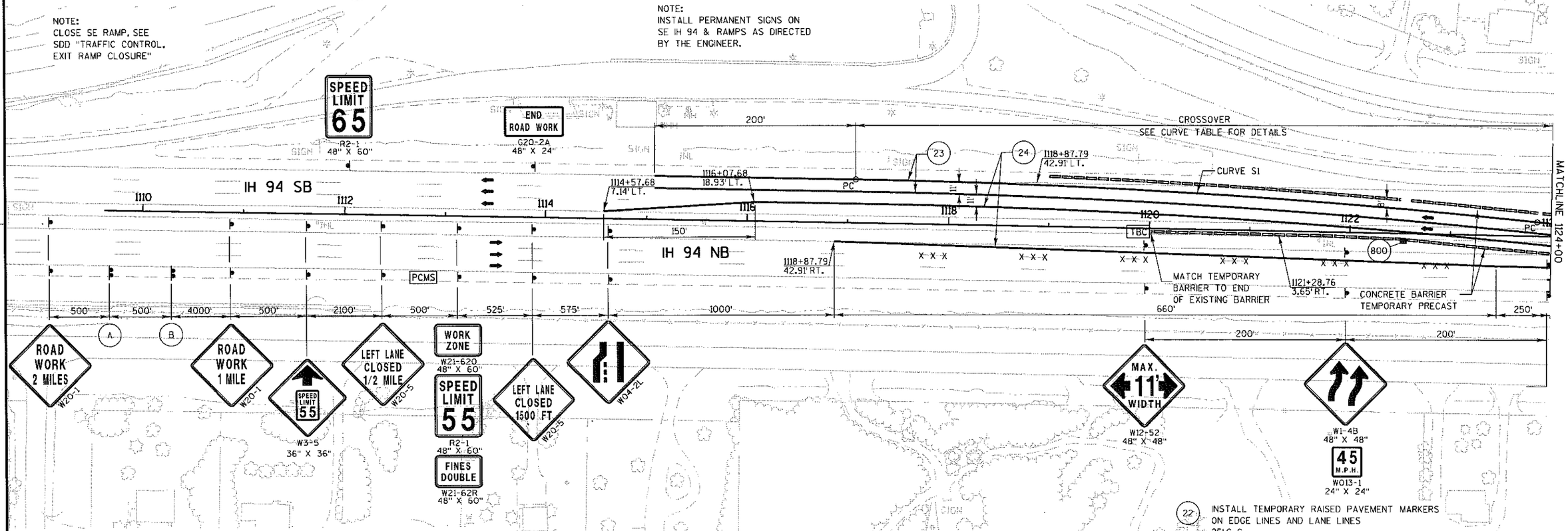
NOTE:
CLOSE SE RAMP, SEE SDD "TRAFFIC CONTROL, EXIT RAMP CLOSURE"

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 (DOT PATTERN WHITE) (3 FT LINE 12 FT SKIP)
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20. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH EDGELINE (WHITE)
21. TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 4-INCH EDGELINE (YELLOW)
22. TEMPORARY RAISED PAVEMENT MARKERS
23. WET REFLECTIVE TEMP PAV'T MARKING TAPE 4-INCH (WHITE)
24. WET REFLECTIVE TEMP PAV'T MARKING TAPE 4-INCH (YELLOW)
P. PERMANENT PAVEMENT MARKING, SEE PAVEMENT MARKING PLAN

NOTE:
INSTALL PERMANENT SIGNS ON SE IH 94 & RAMPS AS DIRECTED BY THE ENGINEER.





22. INSTALL TEMPORARY RAISED PAVEMENT MARKERS ON EDGE LINES AND LANE LINES 25' C-C
IH94 NB STA. 1125+98 - STA. 1133+00
IH94 SB STA. 1115+08 - STA. 1130+65

CURVE DATA

CURVE NO.	PI	Offset		PI COORDINATES X	PI COORDINATES Y	Δ	D	T	L	E	R	PC	Offset		PT	Offset	
S 1	1120+47.63	42.83'	LT	594138.13	211315.05	4°51'59"	0°42'58"	339.94	679.48	7.22	8000.00	1117+07.69	42.91'	LT	1123+86.34	13.92'	LT
S 2	1127+25.04	15.0'	RT	594208.86	211991.23	4°52'46"	0°43'05"	339.93	679.44	7.24	7978.00	1123+86.34	13.92'	LT	1130+64.96	15.0'	RT

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 4 & STAGE 5 CONSTRUCTION	SHEET 107	E

2

CURVE DATA

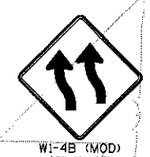
CURVE NO.	PI	Offset		PI COORDINATES X	PI COORDINATES Y	Δ	D	T	L	E	R	PC	Offset		PT	Offset	
S 1	1120+47.63	42.83'	LT	594138.13	211315.05	4°51'59"	0°42'58"	339.94	679.48	7.22	8000.00	1117+07.69	42.91'	LT	1123+86.34	13.92'	LT
S 2	1127+25.04	15.0'	RT	594208.86	211991.23	4°52'46"	0°43'05"	339.93	679.44	7.24	7978.00	1123+86.34	13.92'	LT	1130+64.96	15.0'	RT

NOTE:
INSTALL PERMANENT SIGNS ON SE IH 94 & RAMPS AS DIRECTED BY THE ENGINEER.

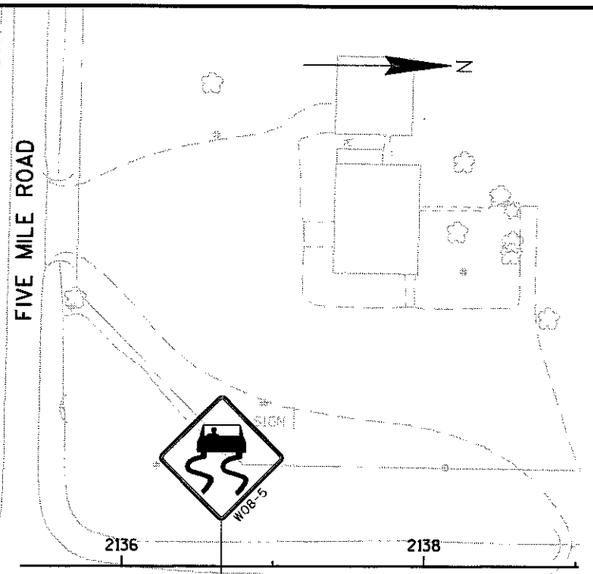
(22) INSTALL TEMPORARY RAISED PAVEMENT MARKERS ON EDGE LINES AND LANE LINES
25' C-C
IH94 NB STA. 1125+97.40 - STA. 1133+00.00
IH94 SB STA. 1116+07.68 - STA. 1130+64.96



TYPE III BARRICADE







STAGING LEGEND

- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKERS
- TRAFFIC CONTROL ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- PCMS — TRAFFIC CONTROL SIGN PORTABLE CHANGEABLE MESSAGE
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC FLOW ARROW
- CC — CRASH CUSHION TEMPORARY
- WORK ZONE THIS STAGE
- XXXXX REMOVING PAVEMENT MARKING
- SIGN ON TEMPORARY SUPPORT
- TBC — TEMPORARY THRIE BEAM CONNECTION
- (XXX) STORM SEWER STRUCTURE NUMBER

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 (DOT PATTERN WHITE) (3 FT LINE 12 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)
12. PAVEMENT MARKING PAINT 8-INCH (WHITE)

PAVEMENT MARKING PAINT 4-INCH (DASHED WHITE)

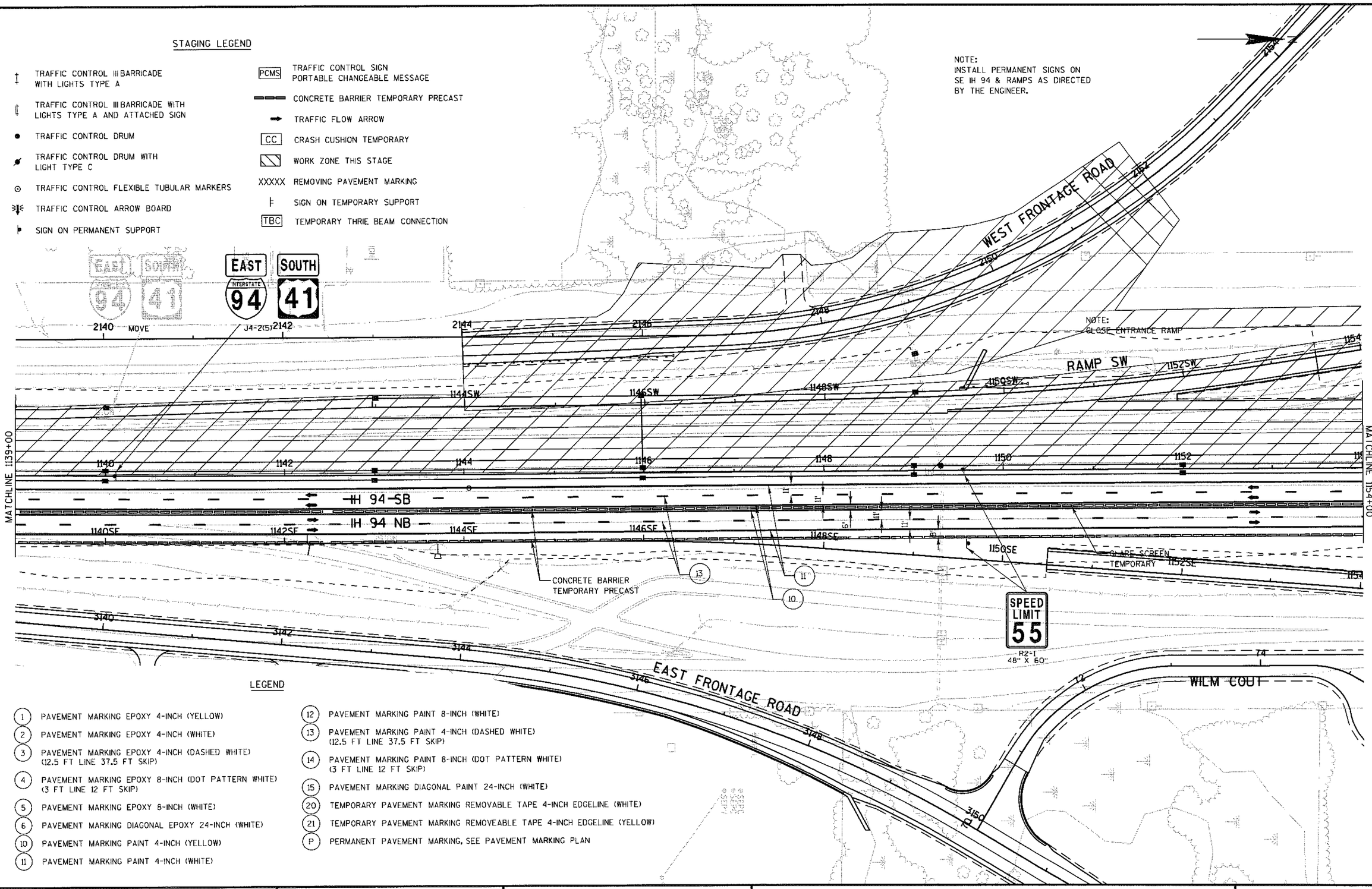
14. PAVEMENT MARKING PAINT 8-INCH (DOT PATTERN WHITE) (3 FT LINE 12 FT SKIP)
15. PAVEMENT MARKING DIAGONAL PAINT 24-INCH (WHITE)
20. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH EDGELINE (WHITE)
21. TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 4-INCH EDGELINE (YELLOW)
22. TEMPORARY RAISED PAVEMENT MARKERS
23. WET REFLECTIVE TEMP PAV'T MARKING TAPE 4-INCH (WHITE)
24. WET REFLECTIVE TEMP PAV'T MARKING TAPE 4-INCH (YELLOW)
P. PERMANENT PAVEMENT MARKING, SEE PAVEMENT MARKING PLAN

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 4 & STAGE 5 CONSTRUCTION	SHEET 108	E

STAGING LEGEND

- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKERS
- TRAFFIC CONTROL ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- PCMS — TRAFFIC CONTROL SIGN PORTABLE CHANGEABLE MESSAGE
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC FLOW ARROW
- CC — CRASH CUSHION TEMPORARY
- WORK ZONE THIS STAGE
- XXXXX REMOVING PAVEMENT MARKING
- SIGN ON TEMPORARY SUPPORT
- TBC — TEMPORARY THRIE BEAM CONNECTION

NOTE:
INSTALL PERMANENT SIGNS ON SE IH 94 & RAMPS AS DIRECTED BY THE ENGINEER.



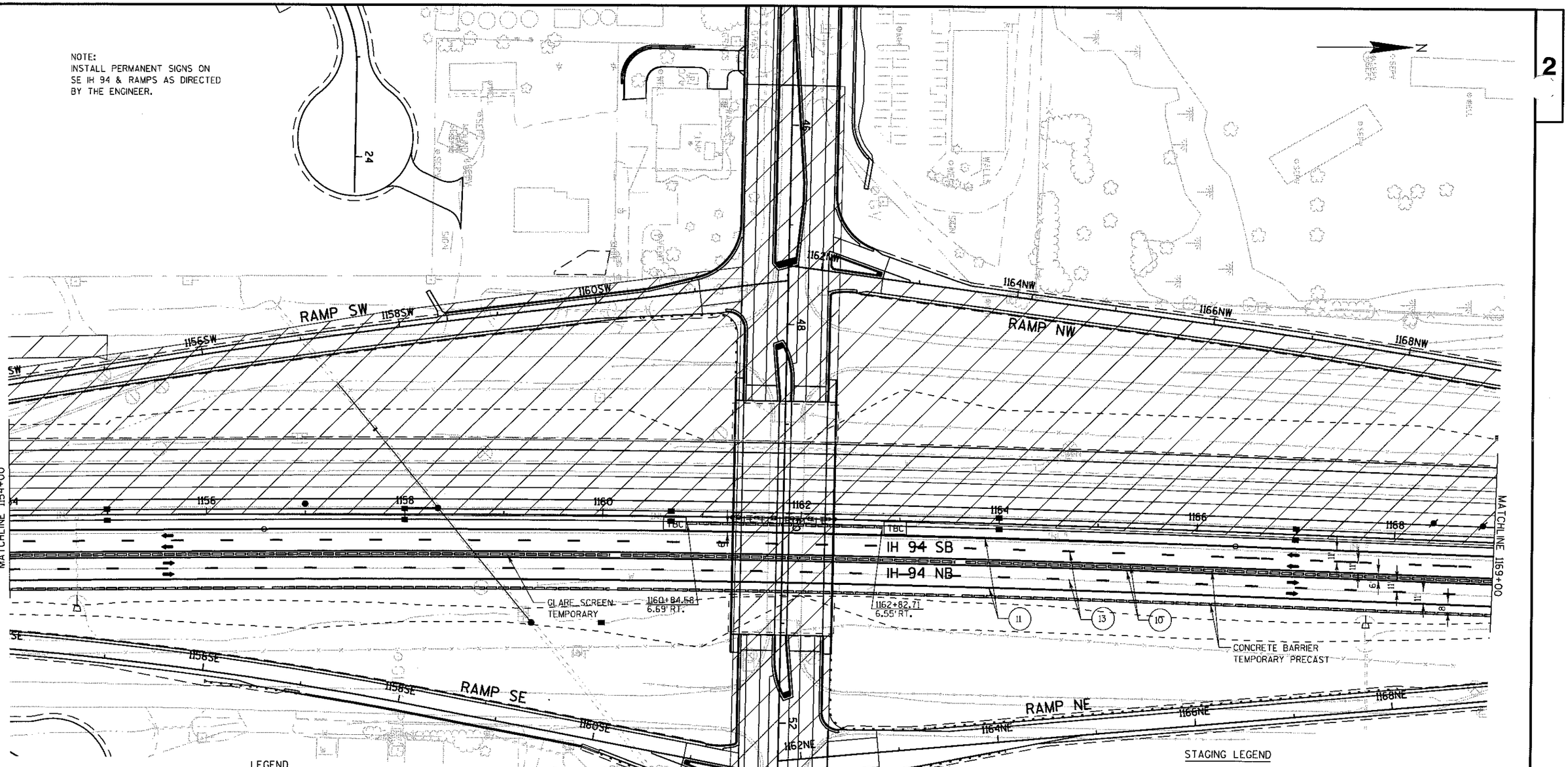
LEGEND

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 (DOT PATTERN WHITE) (3 FT LINE 12 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)
12. PAVEMENT MARKING PAINT 8-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 12 FT SKIP)
15. PAVEMENT MARKING DIAGONAL PAINT 24-INCH (WHITE)
20. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH EDGELINE (WHITE)
21. TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 4-INCH EDGELINE (YELLOW)
P. PERMANENT PAVEMENT MARKING, SEE PAVEMENT MARKING PLAN

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 4 & STAGE 5 CONSTRUCTION	SHEET 109	E

FILE NAME : S:\FinalDesign\G\1030254_M\Roads-Stim\cds\026413_s4.dgn PLOT DATE : 28-JAN-2009 13:38 PLOT BY : mscdls PLOT NAME : PLOT SCALE : 100:1

NOTE:
INSTALL PERMANENT SIGNS ON SE IH 94 & RAMPS AS DIRECTED BY THE ENGINEER.



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 (DOT PATTERN WHITE) (3 FT LINE 12 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)
12. PAVEMENT MARKING PAINT 8-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 12 FT SKIP)
15. PAVEMENT MARKING DIAGONAL PAINT 24-INCH (WHITE)
20. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH EDGELINE (WHITE)
21. TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 4-INCH EDGELINE (YELLOW)
P. PERMANENT PAVEMENT MARKING, SEE PAVEMENT MARKING PLAN

STAGING LEGEND

- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKERS
- TRAFFIC CONTROL ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- PCMS TRAFFIC CONTROL SIGN PORTABLE CHANGEABLE MESSAGE
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC FLOW ARROW
- CC CRASH CUSHION TEMPORARY
- WORK ZONE THIS STAGE
- XXXXX REMOVING PAVEMENT MARKING
- SIGN ON TEMPORARY SUPPORT
- TBC TEMPORARY THRIE BEAM CONNECTION

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 4 & STAGE 5 CONSTRUCTION	SHEET 110	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\026414_s4.dgn PLOT DATE : 28-JAN-2009 13:38 PLOT BY : mscdls PLOT NAME : PLOT SCALE : 100:1

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N

NOTE:
INSTALL PERMANENT SIGNS ON
SE IH 94 & RAMPS AS DIRECTED
BY THE ENGINEER.

MATCHLINE 1169+00

MATCHLINE 1184+00

RAMP NW

WEST FRONTAGE ROAD

IH 94 SB

IH 94 NB

RAMP NE

EAST FRONTAGE ROAD

GLARE SCREEN
TEMPORARY

CONCRETE BARRIER
TEMPORARY PRECAST

SPEED
LIMIT
55

R2-1
48"-X-60"

NOTE:
NB ENTRANCE RAMP TO REMAIN OPEN
DURING THIS CONTRACT

STAGING LEGEND

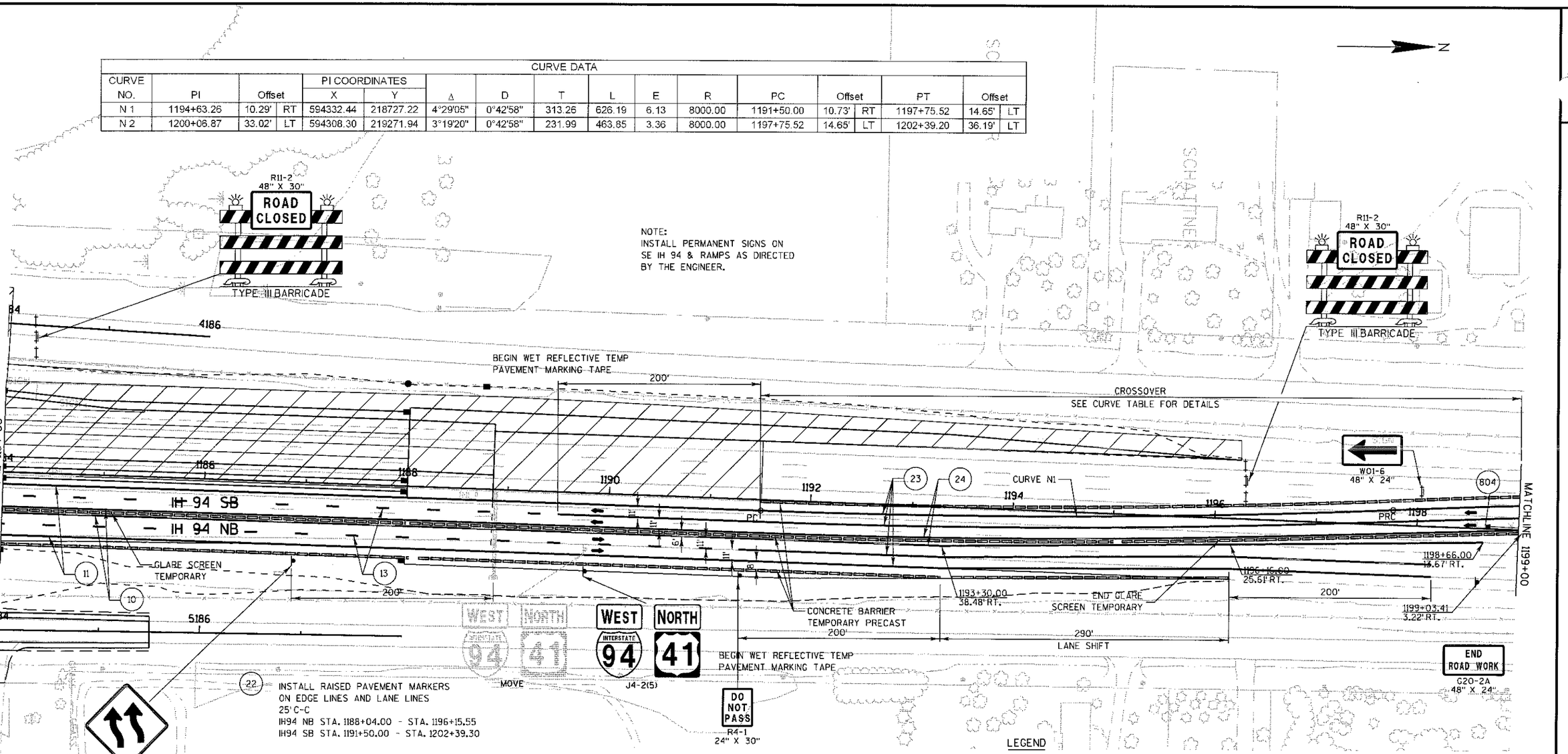
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKERS
- TRAFFIC CONTROL ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- PCMS — TRAFFIC CONTROL SIGN PORTABLE CHANGEABLE MESSAGE
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC FLOW ARROW
- CC — CRASH CUSHION TEMPORARY
- WORK ZONE THIS STAGE
- XXXXX REMOVING PAVEMENT MARKING
- SIGN ON TEMPORARY SUPPORT
- TBC — TEMPORARY THRIE BEAM CONNECTION

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)
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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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15. PAVEMENT MARKING DIAGONAL PAINT 24-INCH (WHITE)
20. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH EDGELINE (WHITE)
21. TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 4-INCH EDGELINE (YELLOW)
P. PERMANENT PAVEMENT MARKING, SEE PAVEMENT MARKING PLAN

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 4 & STAGE 5 CONSTRUCTION	SHEET 111	E

CURVE DATA																
CURVE NO.	PI	Offset		PI COORDINATES X	PI COORDINATES Y	Δ	D	T	L	E	R	PC	Offset		PT	Offset
N 1	1194+63.26	10.29'	RT	594332.44	218727.22	4°29'05"	0°42'58"	313.26	626.19	6.13	8000.00	1191+50.00	10.73'	RT	1197+75.52	14.65' LT
N 2	1200+08.87	33.02'	LT	594308.30	219271.94	3°19'20"	0°42'58"	231.99	463.85	3.36	8000.00	1197+75.52	14.65'	LT	1202+39.20	36.19' LT



STAGING LEGEND

- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKERS
- TRAFFIC CONTROL ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- PCMS — TRAFFIC CONTROL SIGN PORTABLE CHANGEABLE MESSAGE
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC FLOW ARROW
- CC — CRASH CUSHION TEMPORARY
- WORK ZONE THIS STAGE
- XXXXX REMOVING PAVEMENT MARKING
- SIGN ON TEMPORARY SUPPORT
- TBC — TEMPORARY THRIE BEAM CONNECTION
- (XXX) STORM SEWER STRUCTURE NUMBER

LEGEND

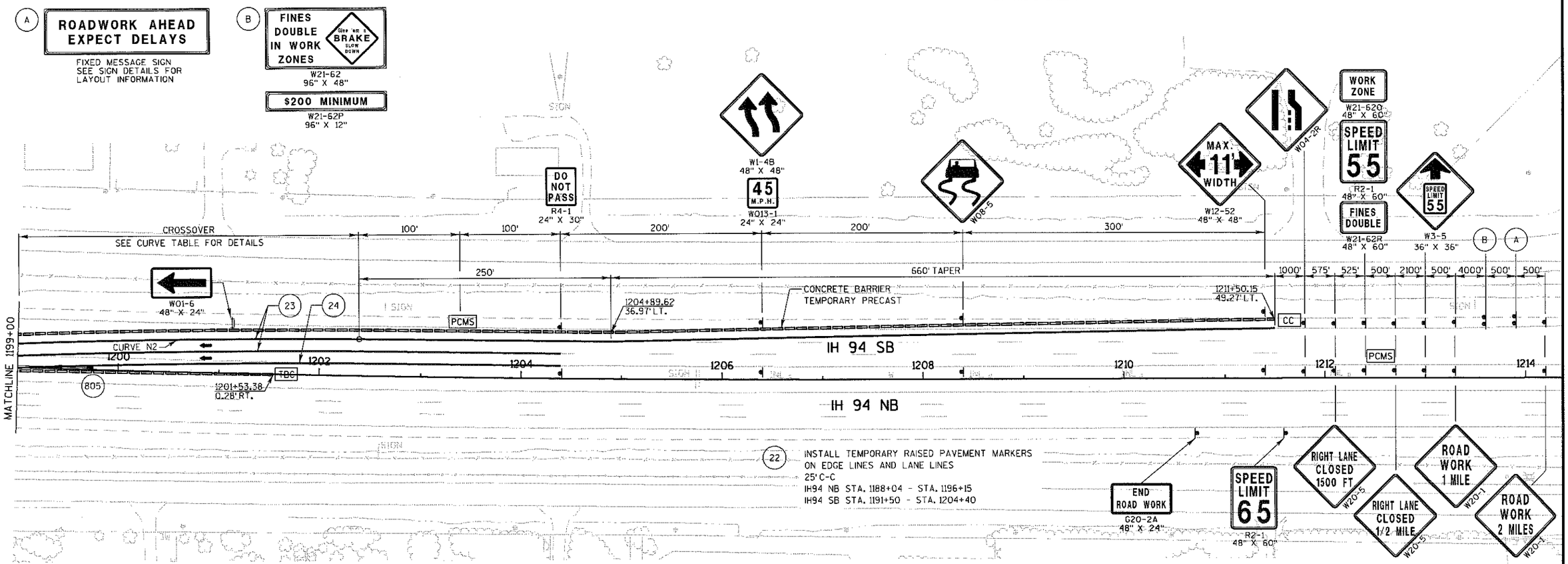
1. PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
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21. TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 4-INCH EDGELINE (YELLOW)
22. TEMPORARY RAISED PAVEMENT MARKERS
23. WET REFLECTIVE TEMP PAV'T MARKING TAPE 4-INCH (WHITE)
24. WET REFLECTIVE TEMP PAV'T MARKING TAPE 4-INCH (YELLOW)
P. PERMANENT PAVEMENT MARKING, SEE PAVEMENT MARKING PLAN

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 4 & STAGE 5 CONSTRUCTION	SHEET 112	E

CURVE DATA																	
CURVE NO.	PI	Offset		PI COORDINATES X	PI COORDINATES Y	Δ	D	T	L	E	R	PC	Offset		PT	Offset	
N 1	1194+63.26	10.29'	RT	594332.44	218727.22	4°29'05"	0°42'58"	313.26	626.19	6.13	8000.00	1191+50.00	10.73'	RT	1197+75.52	14.65'	LT
N 2	1200+06.87	33.02'	LT	594308.30	219271.94	3°19'20"	0°42'58"	231.99	463.85	3.36	8000.00	1197+75.52	14.65'	LT	1202+39.20	36.19'	LT

NOTE:
CLOSE NW RAMP, SEE SDD "TRAFFIC CONTROL, EXIT RAMP CLOSURE"

INSTALL PERMANENT SIGNS ON SE IH 94 & RAMPS AS DIRECTED BY THE ENGINEER.



STAGING LEGEND

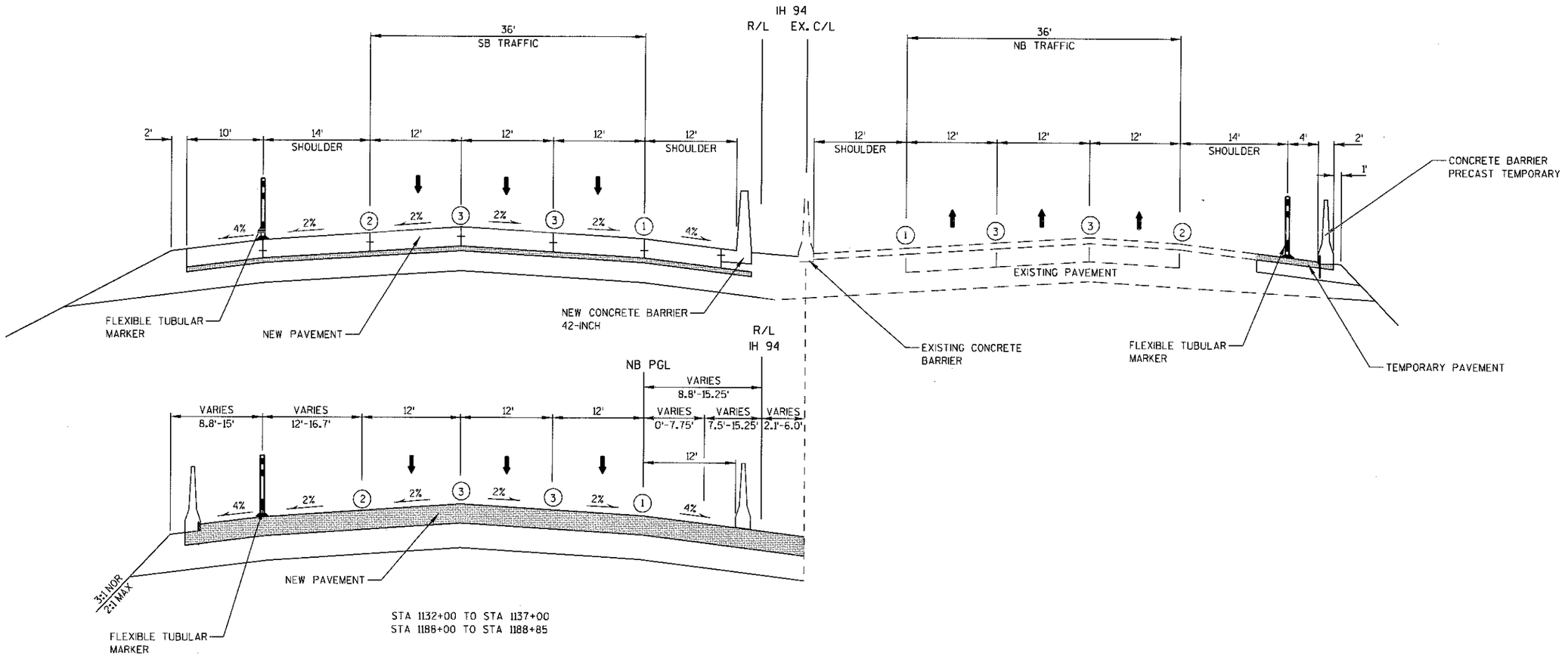
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKERS
- TRAFFIC CONTROL ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- PCMS — TRAFFIC CONTROL SIGN PORTABLE CHANGEABLE MESSAGE
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC FLOW ARROW
- CC — CRASH CUSHION TEMPORARY
- WORK ZONE THIS STAGE
- XXXXX REMOVING PAVEMENT MARKING
- SIGN ON TEMPORARY SUPPORT
- TBC — TEMPORARY THRIE BEAM CONNECTION
- (XXX) STORM SEWER STRUCTURE NUMBER

LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
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3. PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
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5. PAVEMENT MARKING EPOXY 8-INCH (WHITE)
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10. PAVEMENT MARKING PAINT 4-INCH (YELLOW)
11. PAVEMENT MARKING PAINT 4-INCH (WHITE)
12. PAVEMENT MARKING PAINT 8-INCH (WHITE)
    PAVEMENT MARKING PAINT 4-INCH (DASHED WHITE)
14. PAVEMENT MARKING PAINT 8-INCH (DOT PATTERN WHITE) (3 FT LINE 12 FT SKIP)
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22. TEMPORARY RAISED PAVEMENT MARKERS
23. WET REFLECTIVE TEMP PAV'T MARKING TAPE 4-INCH (WHITE)
24. WET REFLECTIVE TEMP PAV'T MARKING TAPE 4-INCH (YELLOW)
P. PERMANENT PAVEMENT MARKING, SEE PAVEMENT MARKING PLAN

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 4 & STAGE 5 CONSTRUCTION	SHEET 113	E

2



NOTES

1) ALL CONFLICTING PAVEMENT MARKING SHALL BE REMOVED PRIOR TO SWITCHING TRAFFIC IN STAGE 6

2) NO CONSTRUCTION WORK ON IH 94

TYPICAL SECTION
STAGE 6
IH 94

LEGEND

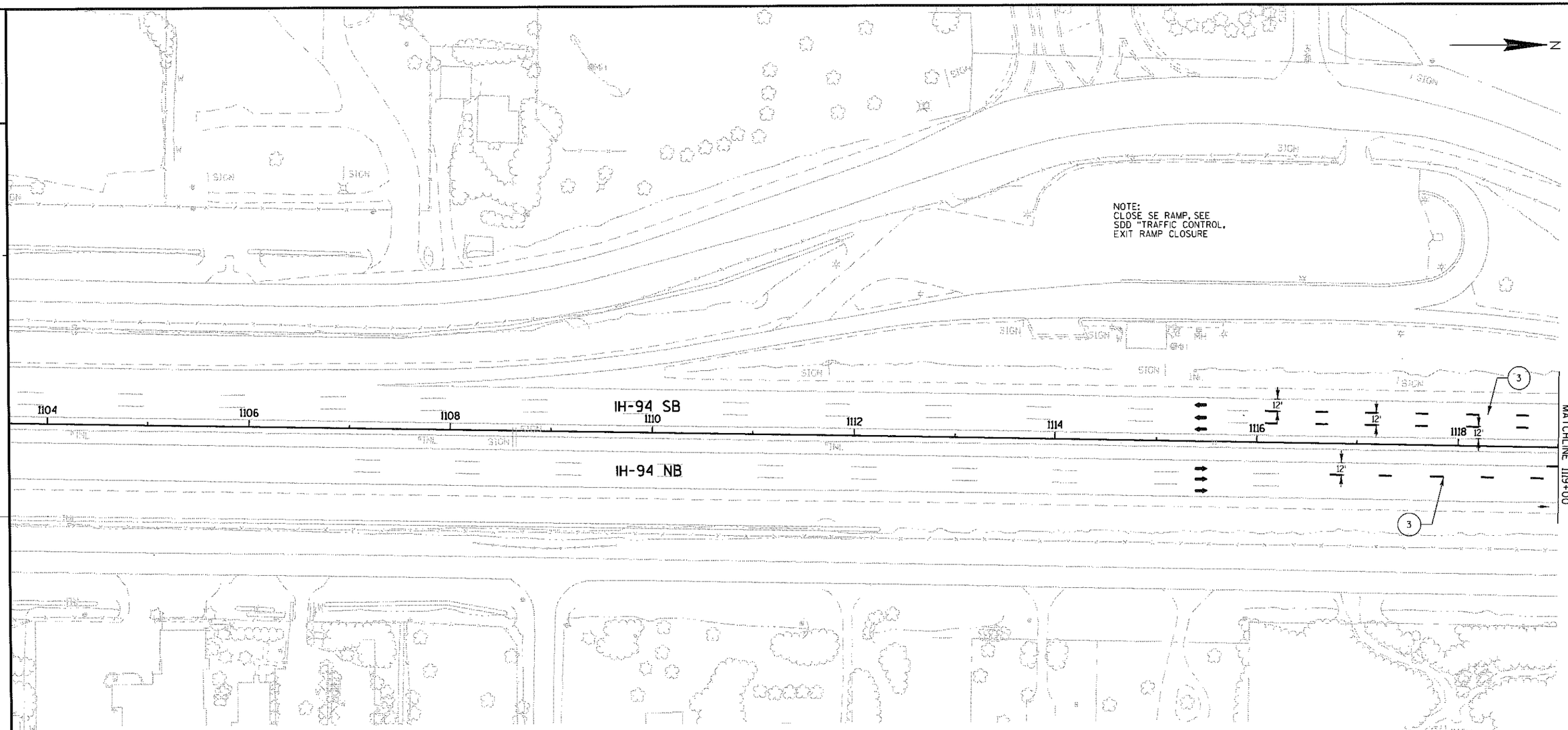
(1) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)

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

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

TRAFFIC FLOW

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 6 CONSTRUCTION - TYPICAL SECTIONS	SHEET 114	E



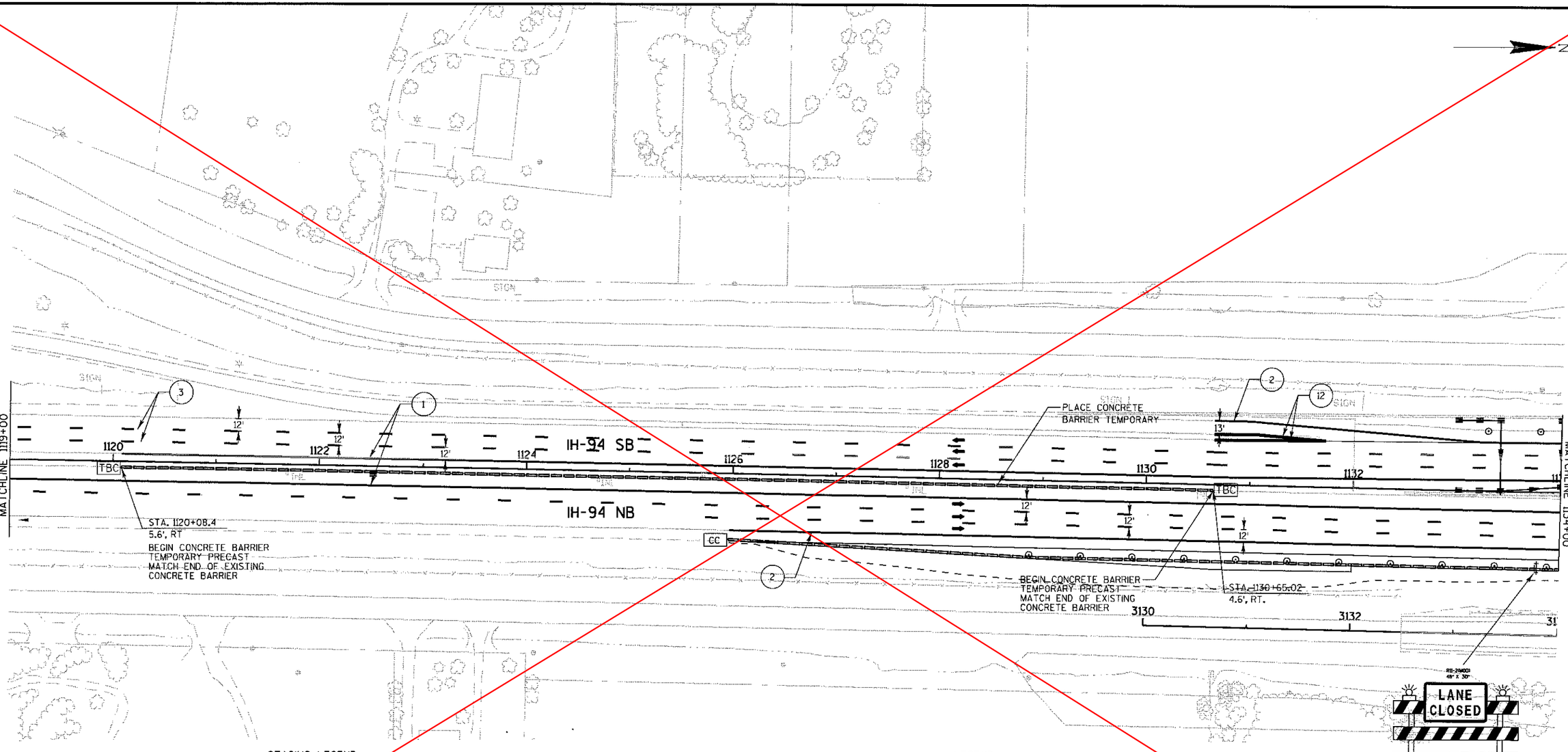
STAGING LEGEND

- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
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- TRAFFIC FLOW ARROW
- CC — CRASH CUSHION TEMPORARY
- WORK ZONE THIS STAGE
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- SIGN ON TEMPORARY SUPPORT
- TBC — TEMPORARY THRIE BEAM CONNECTION

LEGEND

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15. PAVEMENT MARKING DIAGONAL PAINT 24-INCH (WHITE)
20. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH EDGELINE (WHITE)
21. TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 4-INCH EDGELINE (YELLOW)
P. PERMANENT PAVEMENT MARKING, SEE PAVEMENT MARKING PLAN

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 6 CONSTRUCTION	SHEET 115	E



STAGING LEGEND

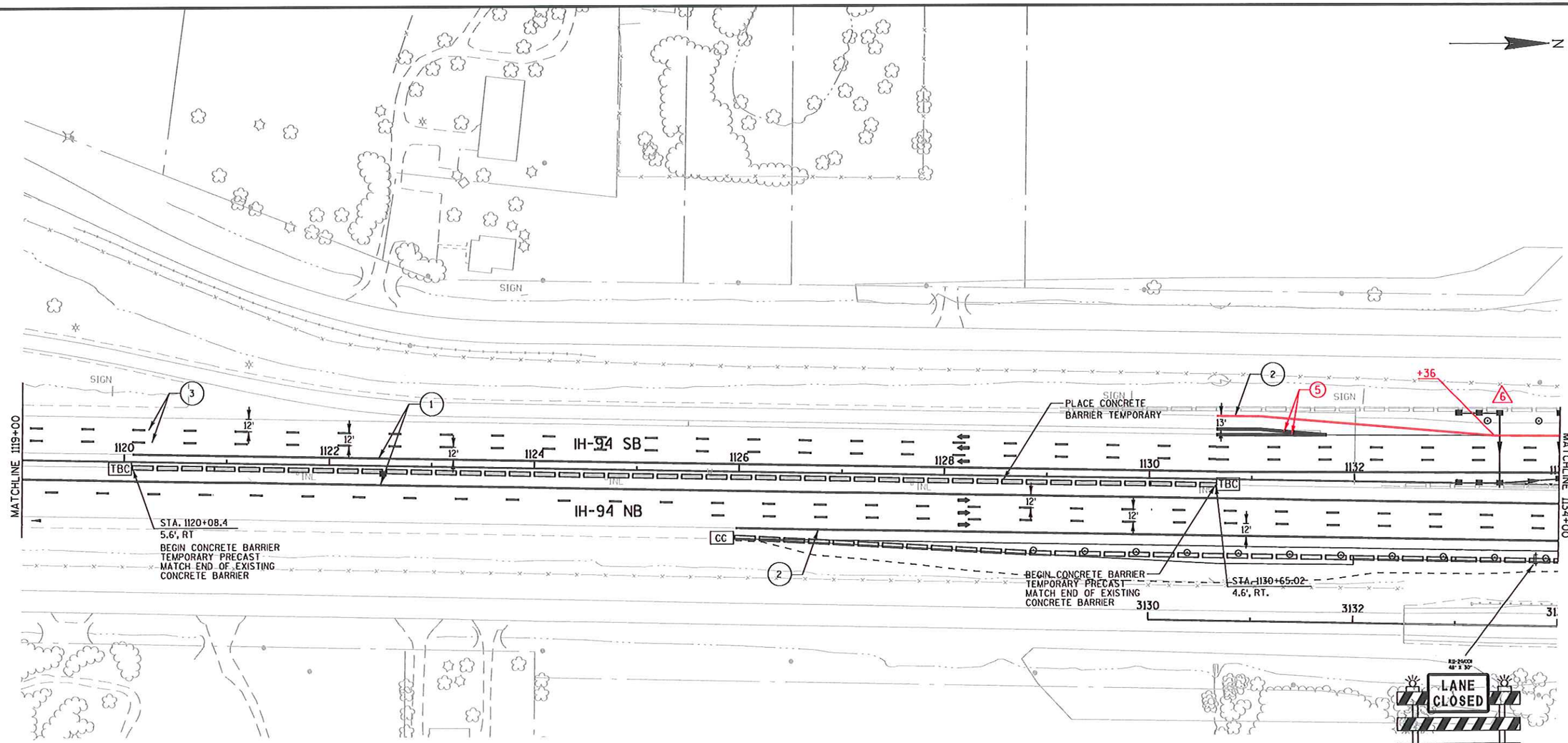
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A AND ATTACHED SIGN
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- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
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- WORK ZONE THIS STAGE
- XXXXX REMOVING PAVEMENT MARKING
- SIGN ON TEMPORARY SUPPORT
- TBC — TEMPORARY THRIE BEAM CONNECTION

LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
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3. PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
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21. TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 4-INCH EDGELINE (YELLOW)
P. PERMANENT PAVEMENT MARKING, SEE PAVEMENT MARKING PLAN

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 6 CONSTRUCTION	SHEET 116	E

2



STAGING LEGEND

- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- TRAFFIC CONTROL ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- PCMS TRAFFIC CONTROL SIGN PORTABLE CHANGEABLE MESSAGE
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC FLOW ARROW
- CC CRASH CUSHION TEMPORARY
- WORK ZONE THIS STAGE
- XXXXX REMOVING PAVEMENT MARKING
- SIGN ON TEMPORARY SUPPORT
- TBC TEMPORARY THRIE BEAM CONNECTION

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 (DOT PATTERN WHITE) (3 FT LINE 12 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)
12. PAVEMENT MARKING PAINT 8-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 12 FT SKIP)
15. PAVEMENT MARKING DIAGONAL PAINT 24-INCH (WHITE)
20. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH EDGELINE (WHITE)
21. TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 4-INCH EDGELINE (YELLOW)
P. PERMANENT PAVEMENT MARKING, SEE PAVEMENT MARKING PLAN

6 10/14/2009

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 6 CONSTRUCTION	SHEET 116A E

STAGING LEGEND

- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A AND ATTACHED SIGN
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- CC — CRASH CUSHION TEMPORARY
- WORK ZONE THIS STAGE
- XXXXX REMOVING PAVEMENT MARKING
- SIGN ON TEMPORARY SUPPORT
- TBC — TEMPORARY THRIE BEAM CONNECTION

LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
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21. TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 4-INCH EDGELINE (YELLOW)
P. PERMANENT PAVEMENT MARKING. SEE PAVEMENT MARKING PLAN

N

RB-20A00 48" X 30"
LANE CLOSED

TYPE III BARRICADE
ANCHOR TO PAVEMENT
(SEE CONSTRUCTION DETAIL)

WEST FRONTAGE ROAD

INTERSTATE 94 EAST
US 41 SOUTH

MOVE

IH-94 SB

IH-94 NB

MATCHLINE 1134+00

MATCHLINE 1149+00

EAST FRONTAGE ROAD

EAST FRONTAGE ROAD

RB-20A00 48" X 30"
LANE CLOSED

TYPE III BARRICADE
ANCHOR TO PAVEMENT
(SEE CONSTRUCTION DETAIL)

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 6 CONSTRUCTION	SHEET 117	E

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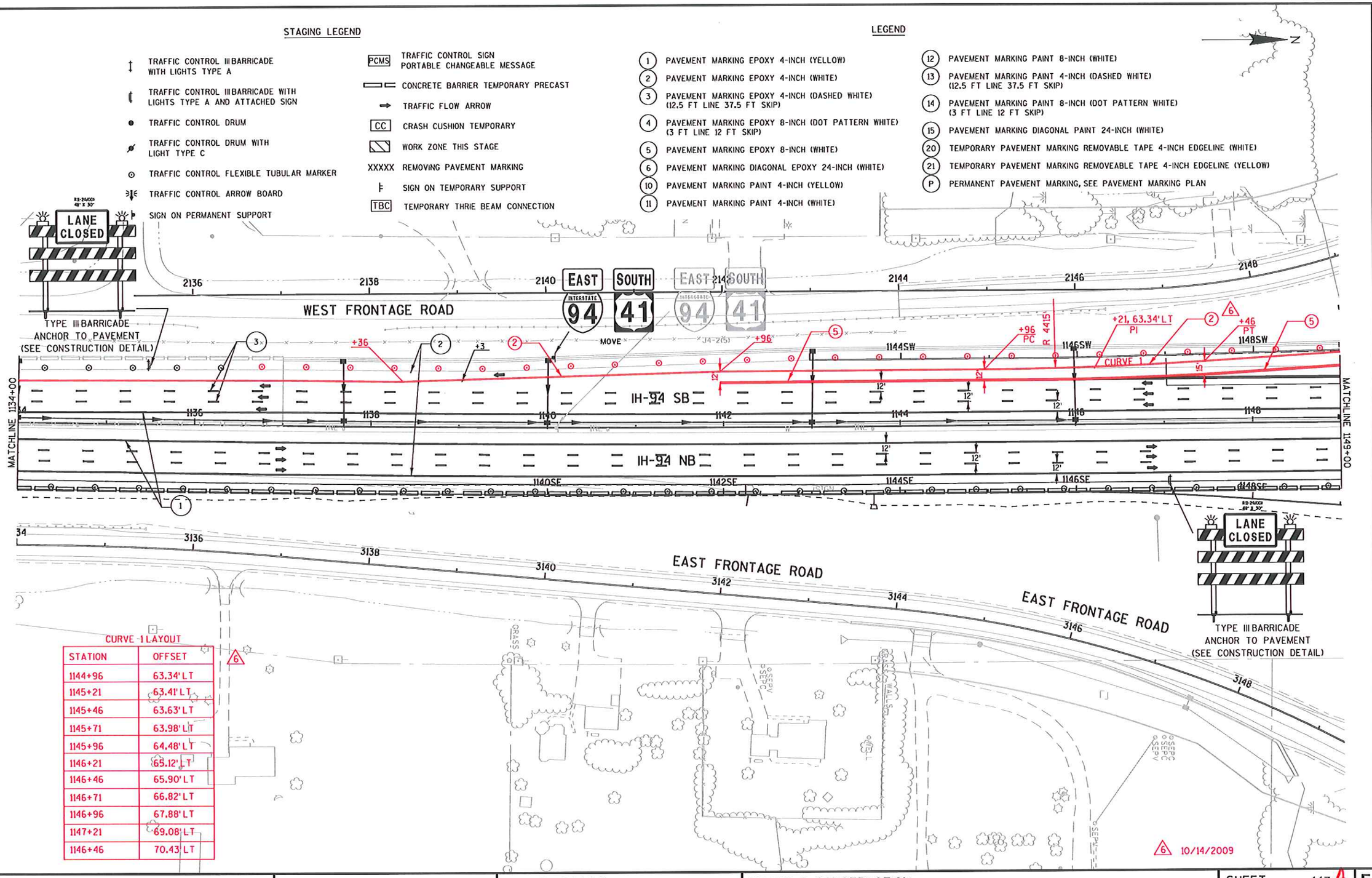
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STAGING LEGEND

- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
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- SIGN ON PERMANENT SUPPORT
- PCMS — TRAFFIC CONTROL SIGN PORTABLE CHANGEABLE MESSAGE
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC FLOW ARROW
- CC — CRASH CUSHION TEMPORARY
- WORK ZONE THIS STAGE
- XXXXX REMOVING PAVEMENT MARKING
- SIGN ON TEMPORARY SUPPORT
- TBC — TEMPORARY THRIE BEAM CONNECTION

LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
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21. TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 4-INCH EDGELINE (YELLOW)
P. PERMANENT PAVEMENT MARKING, SEE PAVEMENT MARKING PLAN



CURVE 1 LAYOUT

STATION	OFFSET
1144+96	63.34' LT
1145+21	63.41' LT
1145+46	63.63' LT
1145+71	63.98' LT
1145+96	64.48' LT
1146+21	65.12' LT
1146+46	65.90' LT
1146+71	66.82' LT
1146+96	67.88' LT
1147+21	69.08' LT
1146+46	70.43' LT

6 10/14/2009

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 6 CONSTRUCTION	SHEET 117A E

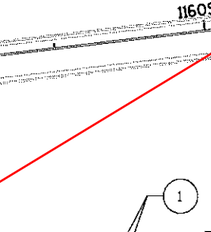
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PLOT DATE : 14-OCT-2009 17:53
PLOT BY : MSCESG
PLOT NAME :
PLOT SCALE : 100:1
WISDOT/CADDS SHEET 42

STAGING LEGEND

- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- TRAFFIC CONTROL ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- PCMS TRAFFIC CONTROL SIGN PORTABLE CHANGEABLE MESSAGE
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC FLOW ARROW
- CC CRASH CUSHION TEMPORARY
- WORK ZONE THIS STAGE
- XXXXX REMOVING PAVEMENT MARKING
- SIGN ON TEMPORARY SUPPORT
- TBC TEMPORARY THRIE BEAM CONNECTION



TYPE III BARRICADE
ANCHOR TO PAVEMENT
(SEE CONSTRUCTION DETAIL)



TYPE III BARRICADE
ANCHOR TO PAVEMENT
(SEE CONSTRUCTION DETAIL)

STA. 1160+80.85
4.38', RT.

STA. 1162+83.05
4.34', RT.

PLACE CONCRETE
BARRIER TEMPORARY

WEST FRONTAGE ROAD

RAMP SW

RAMP SE

WILM COURT

IH-94 SB

IH-94 NB

CTH G

MATCHLINE 1149+00

MATCHLINE 1164+00

LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
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P. PERMANENT PAVEMENT MARKING, SEE PAVEMENT MARKING PLAN

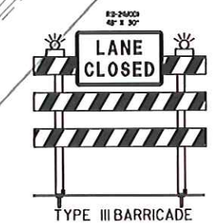
PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 6 CONSTRUCTION	SHEET 118	E

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WISDOT/CADDS SHEET 42

STAGING LEGEND

- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- TRAFFIC CONTROL ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- PCMS — TRAFFIC CONTROL SIGN PORTABLE CHANGEABLE MESSAGE
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC FLOW ARROW
- CC — CRASH CUSHION TEMPORARY
- WORK ZONE THIS STAGE
- XXXXX REMOVING PAVEMENT MARKING
- SIGN ON TEMPORARY SUPPORT
- TBC — TEMPORARY THRIE BEAM CONNECTION



TYPE III BARRICADE
ANCHOR TO PAVEMENT
(SEE CONSTRUCTION DETAIL)

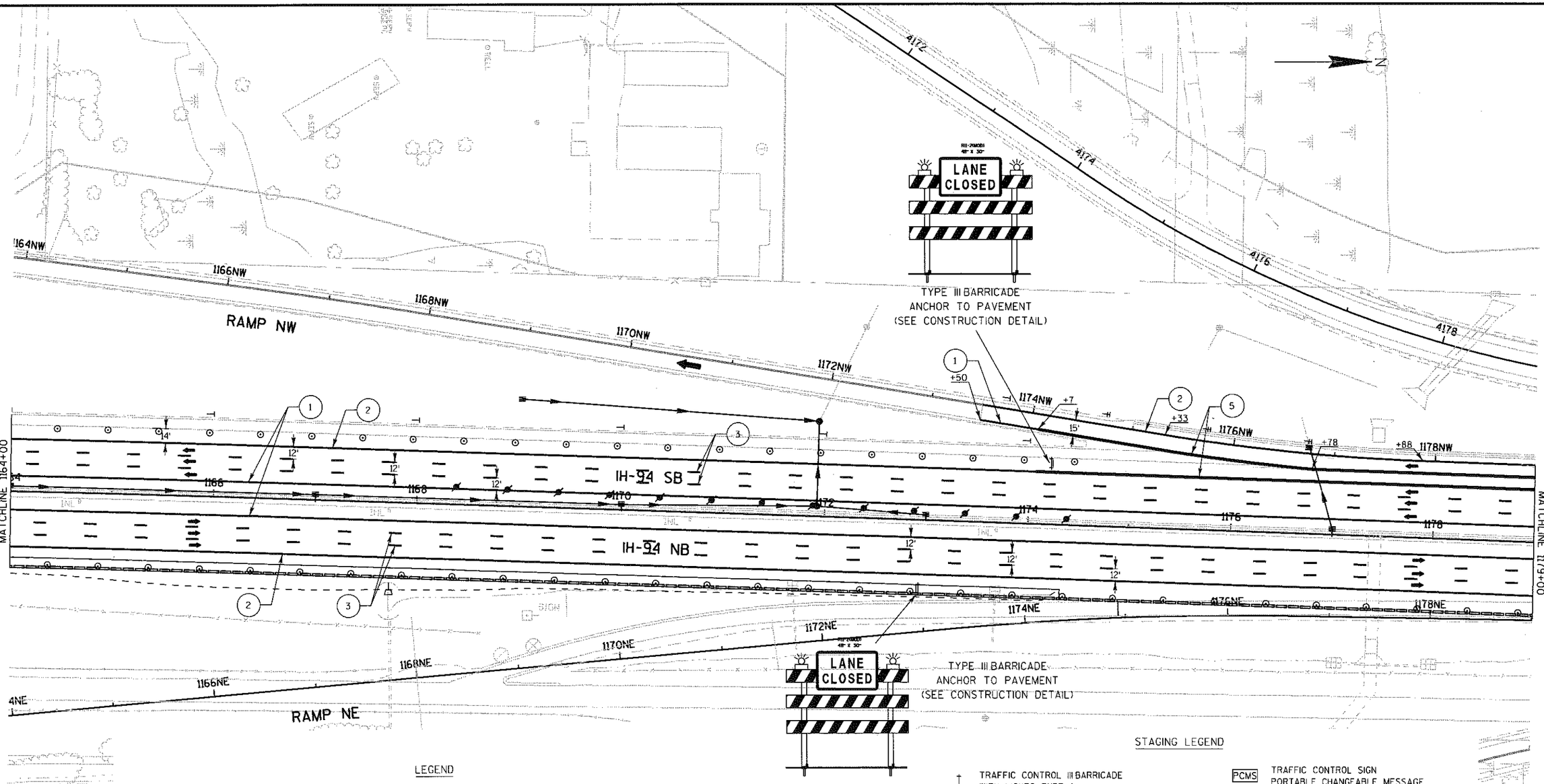
WEST FRONTAGE ROAD
RAMP SW
RAMP SE
IH-94 SB
IH-94 NB
CTH G
WILM COURT
MATCHLINE 1149+00
MATCHLINE 1164+00
+12.59
+43
+44
1150SW
1152SW
1154SW
1156SW
1158SW
1160SW
1162NW
1150SE
1152SE
1154SE
1156SE
1158SE
1160SE
1162NE
1150
1152
1154
1156
1158
1160
1162
TBC
STA. 1162+83.05
4.34', RT.
STA. 1160+80.85
4.38', RT.
PLACE CONCRETE
BARRIER TEMPORARY
10/14/2009

LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
2. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
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P. PERMANENT PAVEMENT MARKING, SEE PAVEMENT MARKING PLAN

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 6 CONSTRUCTION	SHEET 118 A E

2



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)
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21. TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 4-INCH EDGELINE (YELLOW)
P. PERMANENT PAVEMENT MARKING, SEE PAVEMENT MARKING PLAN

STAGING LEGEND

- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- TRAFFIC CONTROL ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- PCMS TRAFFIC CONTROL SIGN PORTABLE CHANGEABLE MESSAGE
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC FLOW ARROW
- CC CRASH CUSHION TEMPORARY
- WORK ZONE THIS STAGE
- XXXXX REMOVING PAVEMENT MARKING
- SIGN ON TEMPORARY SUPPORT
- TBC TEMPORARY THRIE BEAM CONNECTION

PROJECT NO:1030-25-74	HWY:IH 94/CTH G	COUNTY:RACINE	STAGE 6 CONSTRUCTION	SHEET 119	E

STAGING LEGEND

- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
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- CC — CRASH CUSHION TEMPORARY
- WORK ZONE THIS STAGE
- XXXXX REMOVING PAVEMENT MARKING
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LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
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21. TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 4-INCH EDGELINE (YELLOW)
P. PERMANENT PAVEMENT MARKING, SEE PAVEMENT MARKING PLAN

N

STA. 1194+00

WEST FRONTAGE ROAD

4180 4182 4184 4186

1180NW 1182NW

+88 +37 +88

12' 12' 12' 12' 12' 12' 12' 12' 12' 12' 12' 12'

1180 1182 1184 1186 1188 1190 1192

+50

IH-94 SB

IH-94 NB

1180NE 1182NE

MATCHLINE 1179+00

MATCHLINE 1194+00

EAST FRONTAGE ROAD

5180 5182 5184 5186

TBC

STA. 1191+22.05
0.5' RT.

REMOVE EXISTING CONCRETE BARRIER AND RECONSTRUCT MEDIAN

RSI-2040(D1)
48" X 30"

LANE CLOSED

TYPE III BARRICADE
ANCHOR TO PAVEMENT
(SEE CONSTRUCTION DETAIL)

RSI-2040(D2)
48" X 30"

LANE CLOSED

TYPE III BARRICADE
ANCHOR TO PAVEMENT
(SEE CONSTRUCTION DETAIL)

WEST 94 NORTH 41

(I-43)

SHATTUCK

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 6 CONSTRUCTION	SHEET 120	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\026616_s6.dgn PLOT DATE : 19-FEB-2009 13:29 PLOT BY : mscce j PLOT NAME : PLOT SCALE : 100:1

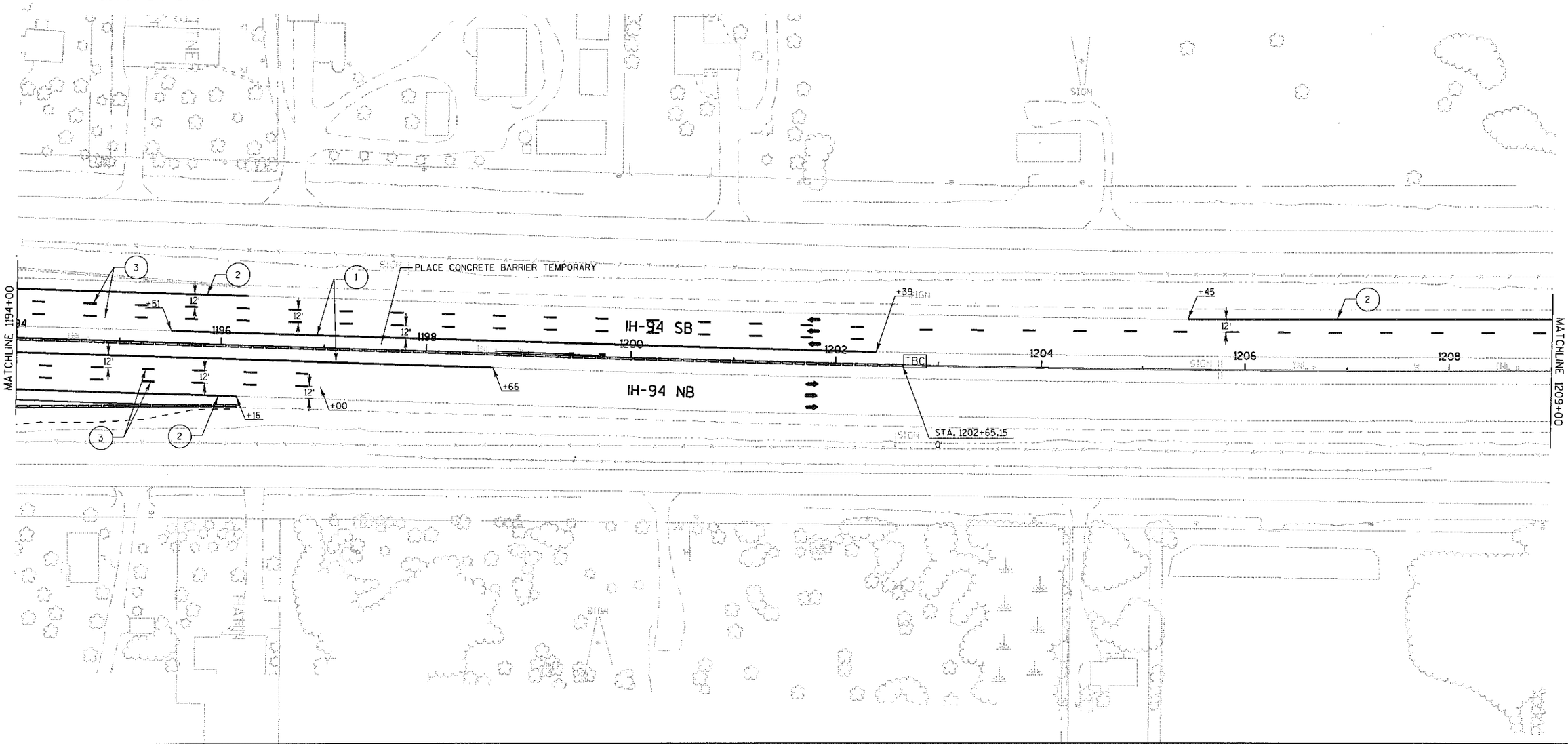
STAGING LEGEND

- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A
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- TRAFFIC FLOW ARROW
- CC — CRASH CUSHION TEMPORARY
- WORK ZONE THIS STAGE
- XXXXX — REMOVING PAVEMENT MARKING
- SIGN ON TEMPORARY SUPPORT
- TBC — TEMPORARY THRIE BEAM CONNECTION

LEGEND

- (1) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- (2) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
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- (20) TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH EDGELINE (WHITE)
- (21) TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 4-INCH EDGELINE (YELLOW)
- (P) PERMANENT PAVEMENT MARKING, SEE PAVEMENT MARKING PLAN

N



PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 6 CONSTRUCTION	SHEET 121	E

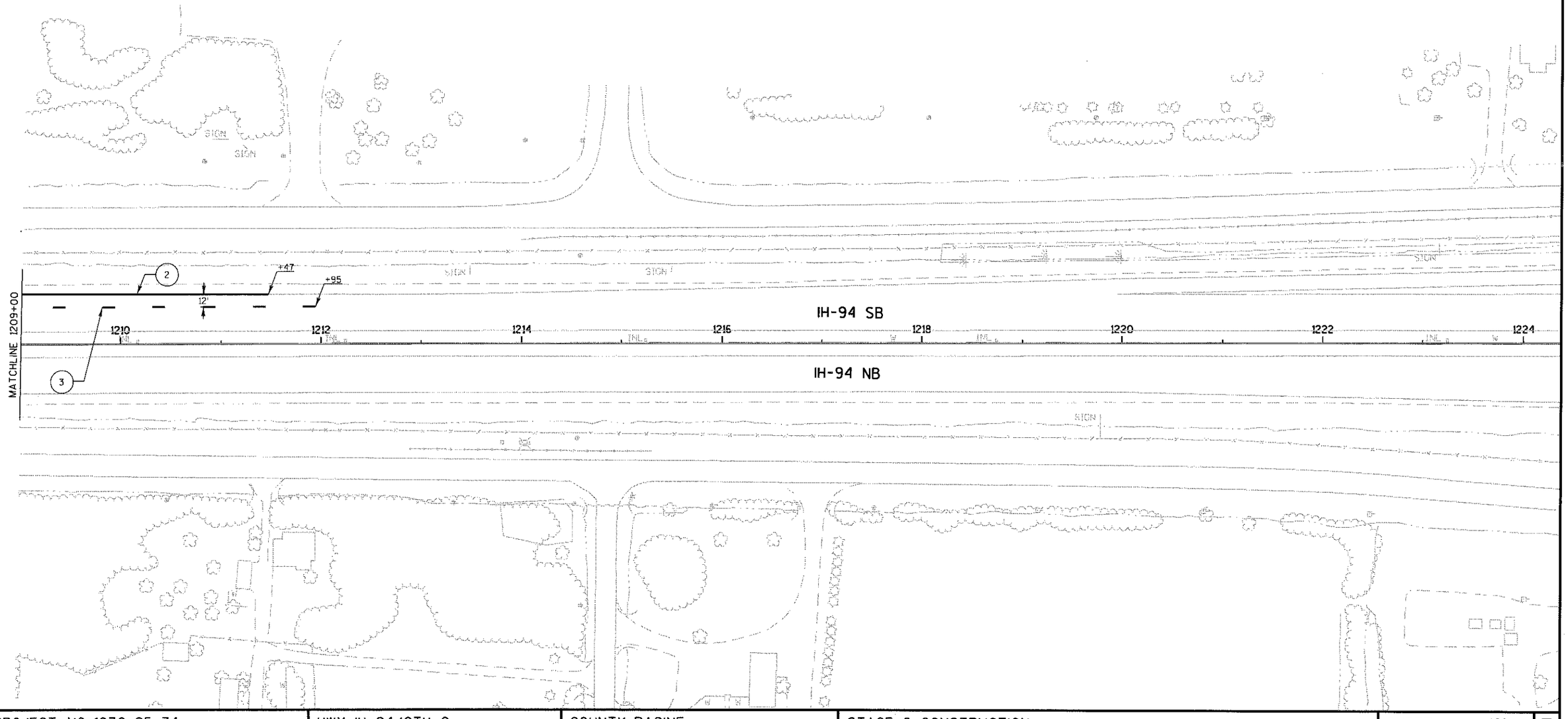
STAGING LEGEND

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- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A AND ATTACHED SIGN
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- TRAFFIC FLOW ARROW
- CC — CRASH CUSHION TEMPORARY
- WORK ZONE THIS STAGE
- XXXXX REMOVING PAVEMENT MARKING
- SIGN ON TEMPORARY SUPPORT
- TBC — TEMPORARY TRIP SEAL COLLECTION

LEGEND

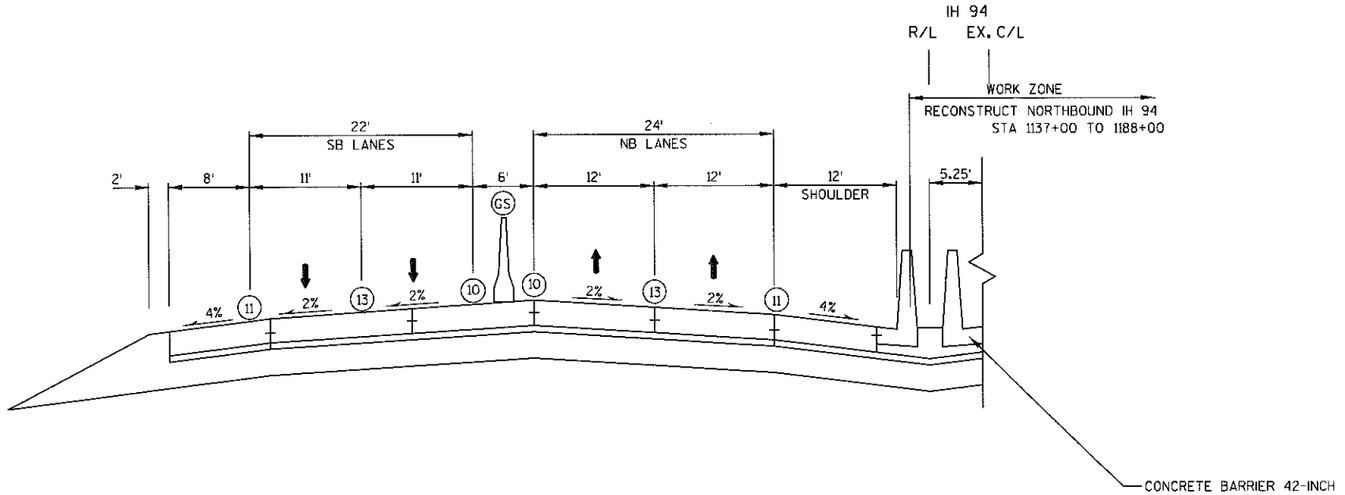
- (1) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
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- (15) PAVEMENT MARKING DIAGONAL PAINT 24-INCH (WHITE)
- (20) TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH EDGELINE (WHITE)
- (21) TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 4-INCH EDGELINE (YELLOW)
- (P) PERMANENT PAVEMENT MARKING, SEE PAVEMENT MARKING PLAN

N



PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 6 CONSTRUCTION	SHEET 122	E

2



TYPICAL SECTION
STAGE 7
IH 94

NOTES

ALL CONFLICTING PAVEMENT MARKING SHALL BE REMOVED WHEN SWITCHING TRAFFIC IN STAGE 6 AND 7

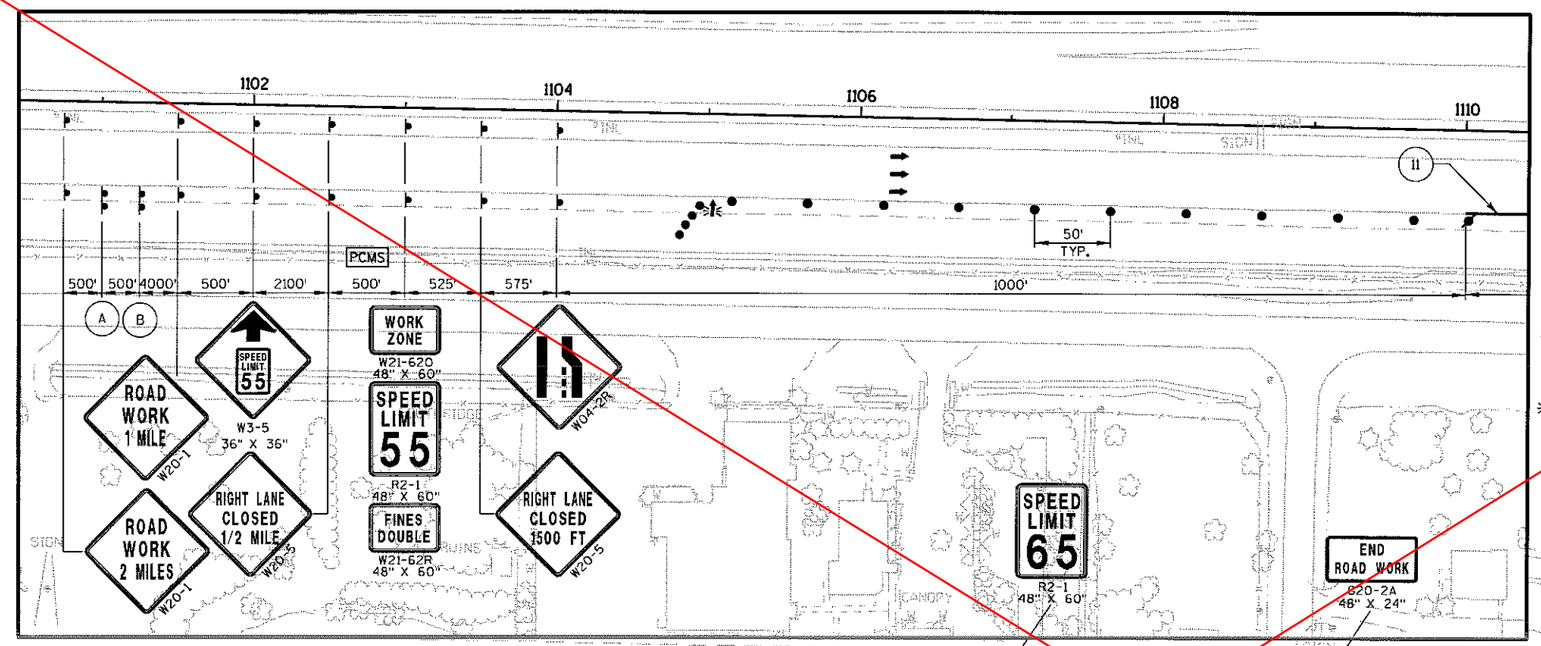
LEGEND

- (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)
- (GS) GLARE SCREEN TEMPORARY
- TRAFFIC FLOW

PROJECT NO:1030-25-74	HWY:IH 94/CTH G	COUNTY:RACINE	STAGE 7 CONSTRUCTION - TYPICAL SECTIONS	SHEET 123	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\026710_s7.dgn PLOT DATE : 20-FEB-2009 09:48 PLOT BY : MSCESG PLOT NAME : 026710_s7 PLOT SCALE : 15:1

WISDOT/CADDS SHEET 42



DETAIL A

CURVE DATA

CURVE NO.	PI	Offset		PI COORDINATES X	PI COORDINATES Y	Δ	D	T	L	E	R	PC	Offset		PT	Offset	
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S 4	1128+01.80	3.43'	LT	594191.89	212068.33	3°46'07"	0°42'58"	263.19	526.19	4.33	8000.00	1125+39.44	17.42'	RT	1130+64.96	7.0'	LT

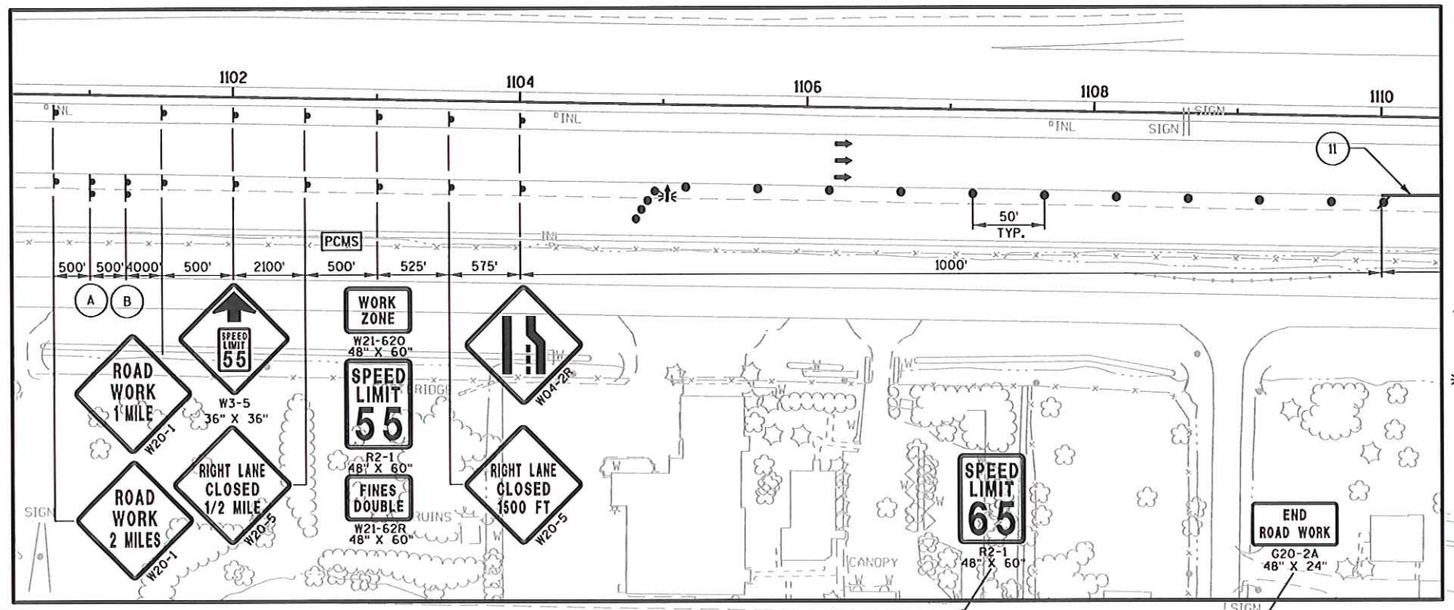
STAGING LEGEND

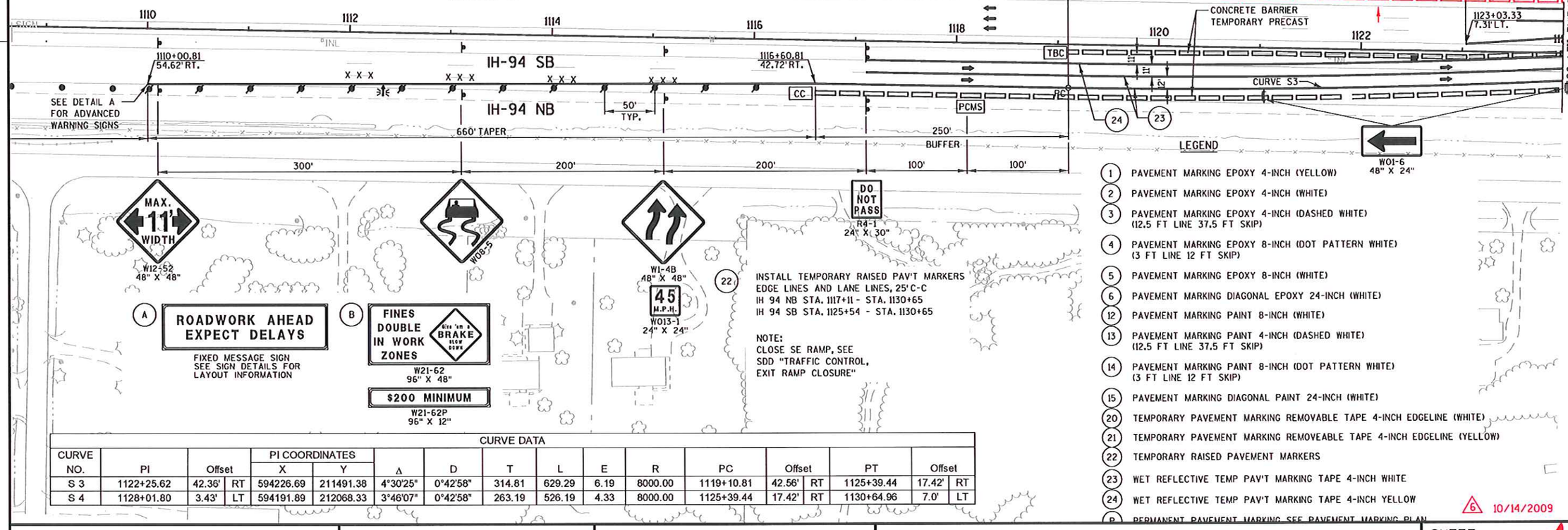
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TRAFFIC CONTROL FLEXIBLE TUBULAR MAKKERS
- TRAFFIC CONTROL ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- PCMS TRAFFIC CONTROL SIGN PORTABLE CHANGEABLE MESSAGE
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC FLOW ARROW
- CC CRASH CUSHION TEMPORARY
- WORK ZONE THIS STAGE
- XXXXX REMOVING PAVEMENT MARKING
- SIGN ON TEMPORARY SUPPORT
- TBC TEMPORARY THRIE BEAM CONNECTION

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 (DOT PATTERN WHITE) (3 FT LINE 12 FT SKIP)
5. PAVEMENT MARKING EPOXY 8-INCH (WHITE)
6. PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE)
12. PAVEMENT MARKING PAINT 8-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 12 FT SKIP)
15. PAVEMENT MARKING DIAGONAL PAINT 24-INCH (WHITE)
20. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH EDGELINE (WHITE)
21. TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 4-INCH EDGELINE (YELLOW)
22. TEMPORARY RAISED PAVEMENT MARKERS
23. WET REFLECTIVE TEMP PAV'T MARKING TAPE 4-INCH WHITE
24. WET REFLECTIVE TEMP PAV'T MARKING TAPE 4-INCH YELLOW
- PERMANENT PAVEMENT MARKING SEE PAVEMENT MARKING PLAN

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 7 CONSTRUCTION	SHEET 124	E





STAGING LEGEND

- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TRAFFIC CONTROL FLEXIBLE TUBULAR MAKKERS
- TRAFFIC CONTROL ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- PCMS TRAFFIC CONTROL SIGN PORTABLE CHANGEABLE MESSAGE
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC FLOW ARROW
- CC CRASH CUSHION TEMPORARY
- WORK ZONE THIS STAGE
- XXXXX REMOVING PAVEMENT MARKING
- SIGN ON TEMPORARY SUPPORT
- TBC TEMPORARY THRIE BEAM CONNECTION

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 (DOT PATTERN WHITE) (3 FT LINE 12 FT SKIP)
5. PAVEMENT MARKING EPOXY 8-INCH (WHITE)
6. PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE)
12. PAVEMENT MARKING PAINT 8-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 12 FT SKIP)
15. PAVEMENT MARKING DIAGONAL PAINT 24-INCH (WHITE)
20. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH EDGELINE (WHITE)
21. TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 4-INCH EDGELINE (YELLOW)
22. TEMPORARY RAISED PAVEMENT MARKERS
23. WET REFLECTIVE TEMP PAV'T MARKING TAPE 4-INCH WHITE
24. WET REFLECTIVE TEMP PAV'T MARKING TAPE 4-INCH YELLOW
P. PERMANENT PAVEMENT MARKING SEE PAVEMENT MARKING PLAN

6 10/14/2009

CURVE DATA

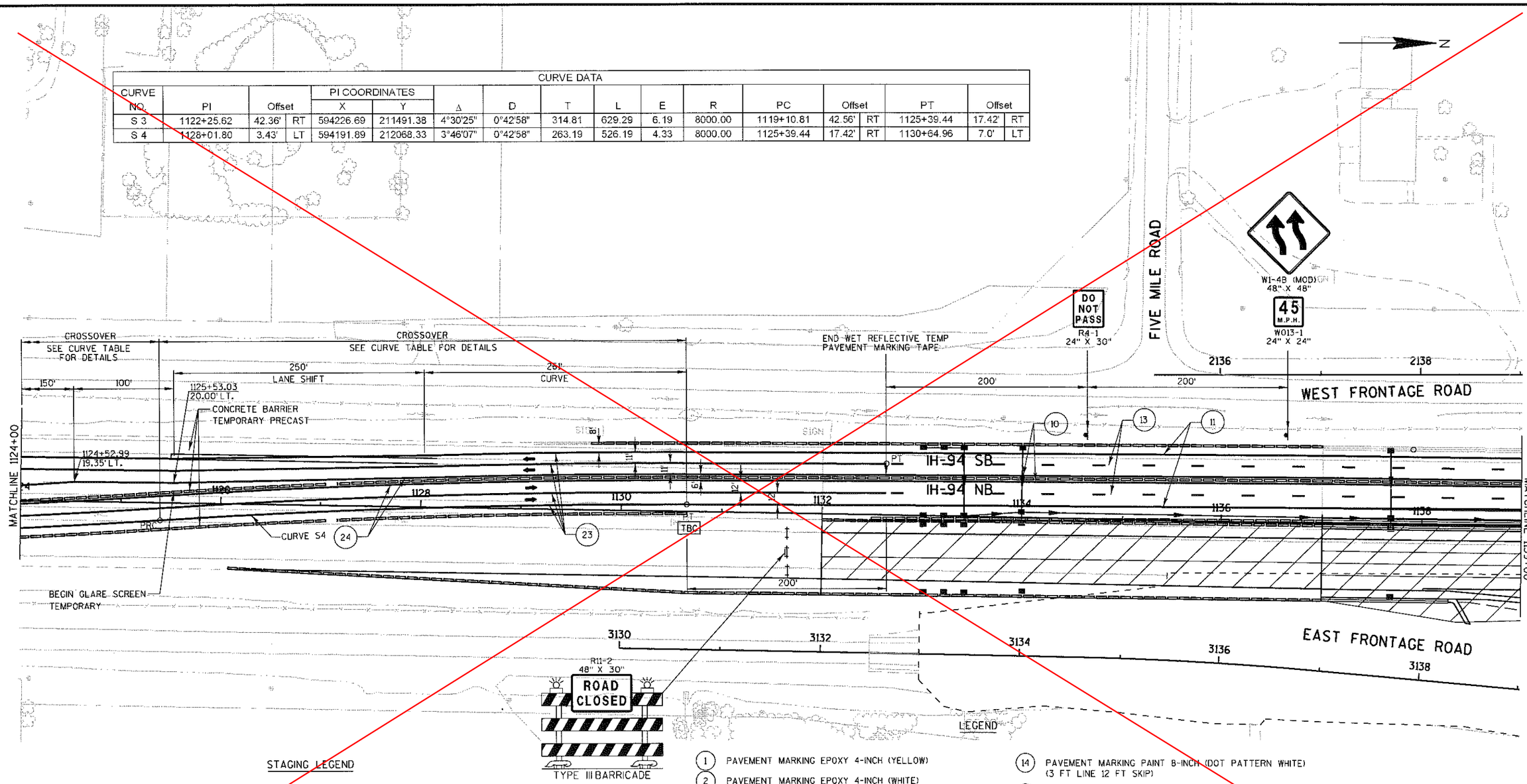
CURVE NO.	PI	Offset		PI COORDINATES X	PI COORDINATES Y	Δ	D	T	L	E	R	PC	Offset		PT	Offset	
S 3	1122+25.62	42.36'	RT	594226.69	211491.38	4°30'25"	0°42'58"	314.81	629.29	6.19	8000.00	1119+10.81	42.56'	RT	1125+39.44	17.42'	RT
S 4	1128+01.80	3.43'	LT	594191.89	212068.33	3°46'07"	0°42'58"	263.19	526.19	4.33	8000.00	1125+39.44	17.42'	RT	1130+64.96	7.0'	LT

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 7 CONSTRUCTION	SHEET 124 A E

FILE NAME : S:\FinalDesign\G\ProjEng\2009 construction questions_DINs\pavement marking\026711_s7_REV.dgn PLOT DATE : 14-OCT-2009 17:53 PLOT BY : MSCESG PLOT NAME : PLOT SCALE : 100:1

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CURVE DATA																	
CURVE NO.	PI	Offset		PI COORDINATES X	PI COORDINATES Y	Δ	D	T	L	E	R	PC	Offset		PT	Offset	
S 3	1122+25.62	42.36'	RT	594226.69	211491.38	4°30'25"	0°42'58"	314.81	629.29	6.19	8000.00	1119+10.81	42.56'	RT	1125+39.44	17.42'	RT
S 4	1128+01.80	3.43'	LT	594191.89	212068.33	3°46'07"	0°42'58"	263.19	526.19	4.33	8000.00	1125+39.44	17.42'	RT	1130+64.96	7.0'	LT



STAGING LEGEND

- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TRAFFIC CONTROL FLEXIBLE TUBULAR MAKKERS
- TRAFFIC CONTROL ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- PCMS — TRAFFIC CONTROL SIGN PORTABLE CHANGEABLE MESSAGE
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC FLOW ARROW
- CC — CRASH CUSHION TEMPORARY
- WORK ZONE THIS STAGE
- XXXXX — REMOVING PAVEMENT MARKING
- SIGN ON TEMPORARY SUPPORT
- TBC — TEMPORARY THRIE BEAM CONNECTION

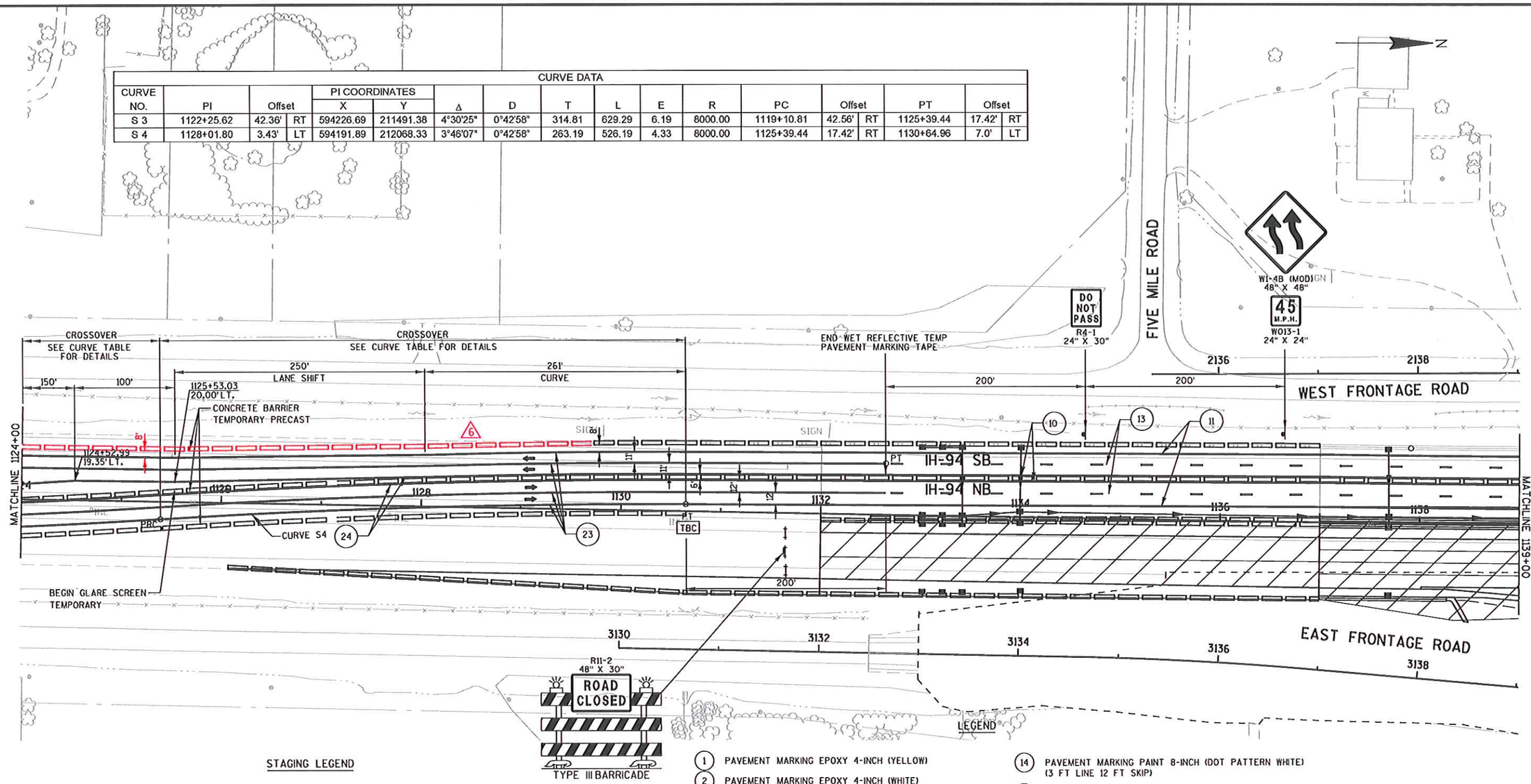
LEGEND

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 (DOT PATTERN WHITE) (3 FT LINE 12 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)
12. PAVEMENT MARKING PAINT 8-INCH (WHITE)
13. PAVEMENT MARKING PAINT 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
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15. PAVEMENT MARKING DIAGONAL PAINT 24-INCH (WHITE)
20. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH EDGELINE (WHITE)
21. TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 4-INCH EDGELINE (YELLOW)
22. TEMPORARY RAISED PAVEMENT MARKERS
23. WET REFLECTIVE TEMP PAV'T MARKING TAPE 4-INCH WHITE
24. WET REFLECTIVE TEMP PAV'T MARKING TAPE 4-INCH YELLOW
P. PERMANENT PAVEMENT MARKING, SEE PAVEMENT MARKING PLAN

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 7 CONSTRUCTION	SHEET 125	E

2

CURVE DATA																
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S 4	1128+01.80	3.43'	LT	594191.89	212068.33	3°46'07"	0°42'58"	263.19	526.19	4.33	8000.00	1125+39.44	17.42'	RT	1130+64.96	7.0'	LT



STAGING LEGEND

- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TRAFFIC CONTROL FLEXIBLE TUBULAR MAKKERS
- TRAFFIC CONTROL ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- PCMS — TRAFFIC CONTROL SIGN PORTABLE CHANGEABLE MESSAGE
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC FLOW ARROW
- CC — CRASH CUSHION TEMPORARY
- WORK ZONE THIS STAGE
- XXXXX REMOVING PAVEMENT MARKING
- SIGN ON TEMPORARY SUPPORT
- TBC — TEMPORARY THRIE BEAM CONNECTION

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)
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10. PAVEMENT MARKING PAINT 4-INCH (YELLOW)
11. PAVEMENT MARKING PAINT 4-INCH (WHITE)
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13. PAVEMENT MARKING PAINT 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
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21. TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 4-INCH EDGELINE (YELLOW)
22. TEMPORARY RAISED PAVEMENT MARKERS
23. WET REFLECTIVE TEMP PAV'T MARKING TAPE 4-INCH WHITE
24. WET REFLECTIVE TEMP PAV'T MARKING TAPE 4-INCH YELLOW
P. PERMANENT PAVEMENT MARKING, SEE PAVEMENT MARKING PLAN

2009

6 10/14/2009

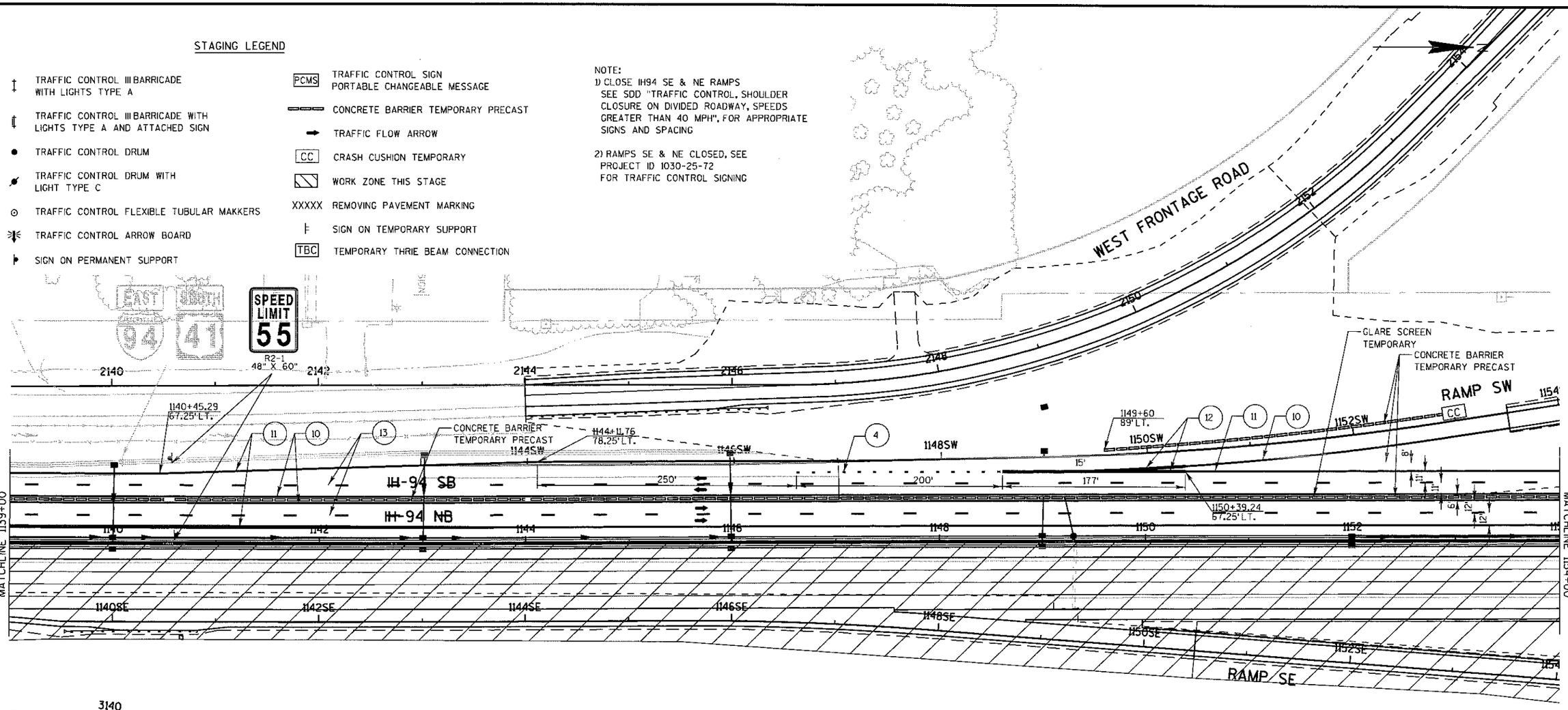
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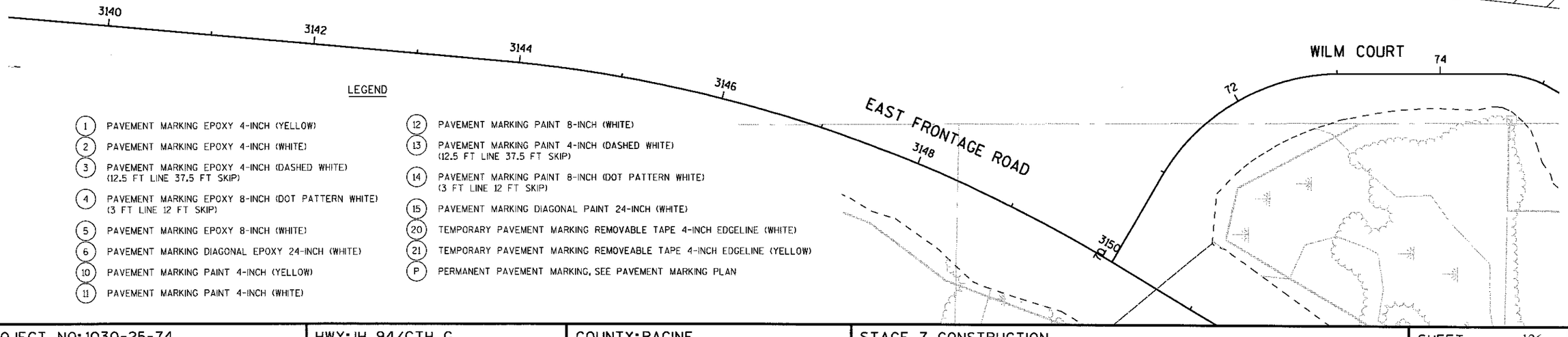
STAGING LEGEND

- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TRAFFIC CONTROL FLEXIBLE TUBULAR MAKKERS
- TRAFFIC CONTROL ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- PCMS — TRAFFIC CONTROL SIGN PORTABLE CHANGEABLE MESSAGE
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC FLOW ARROW
- CC — CRASH CUSHION TEMPORARY
- WORK ZONE THIS STAGE
- XXXXX REMOVING PAVEMENT MARKING
- SIGN ON TEMPORARY SUPPORT
- TBC — TEMPORARY THRIE BEAM CONNECTION

NOTE:
1) CLOSE IH94 SE & NE RAMPS SEE SDD "TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH", FOR APPROPRIATE SIGNS AND SPACING

2) RAMPS SE & NE CLOSED, SEE PROJECT ID 1030-25-72 FOR TRAFFIC CONTROL SIGNING





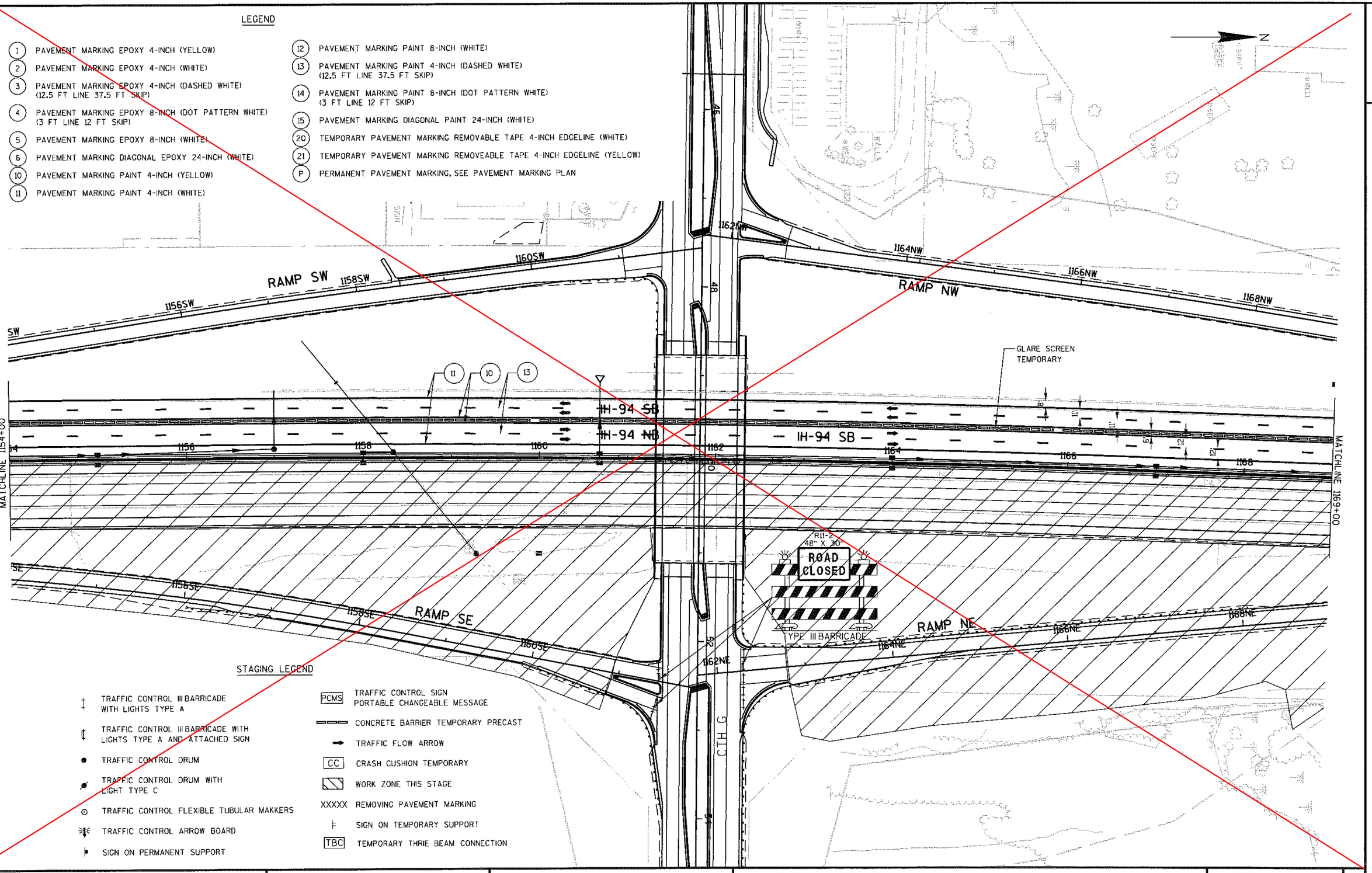
LEGEND

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 (DOT PATTERN WHITE) (3 FT LINE 12 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)
12. PAVEMENT MARKING PAINT 8-INCH (WHITE)
13. PAVEMENT MARKING PAINT 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
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15. PAVEMENT MARKING DIAGONAL PAINT 24-INCH (WHITE)
20. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH EDGELINE (WHITE)
21. TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 4-INCH EDGELINE (YELLOW)
P. PERMANENT PAVEMENT MARKING, SEE PAVEMENT MARKING PLAN

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 7 CONSTRUCTION	SHEET 126	E

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)
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11. PAVEMENT MARKING PAINT 4-INCH (WHITE)
12. PAVEMENT MARKING PAINT 8-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 12 FT SKIP)
15. PAVEMENT MARKING DIAGONAL PAINT 24-INCH (WHITE)
20. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH EDGELINE (WHITE)
21. TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 4-INCH EDGELINE (YELLOW)
P. PERMANENT PAVEMENT MARKING, SEE PAVEMENT MARKING PLAN



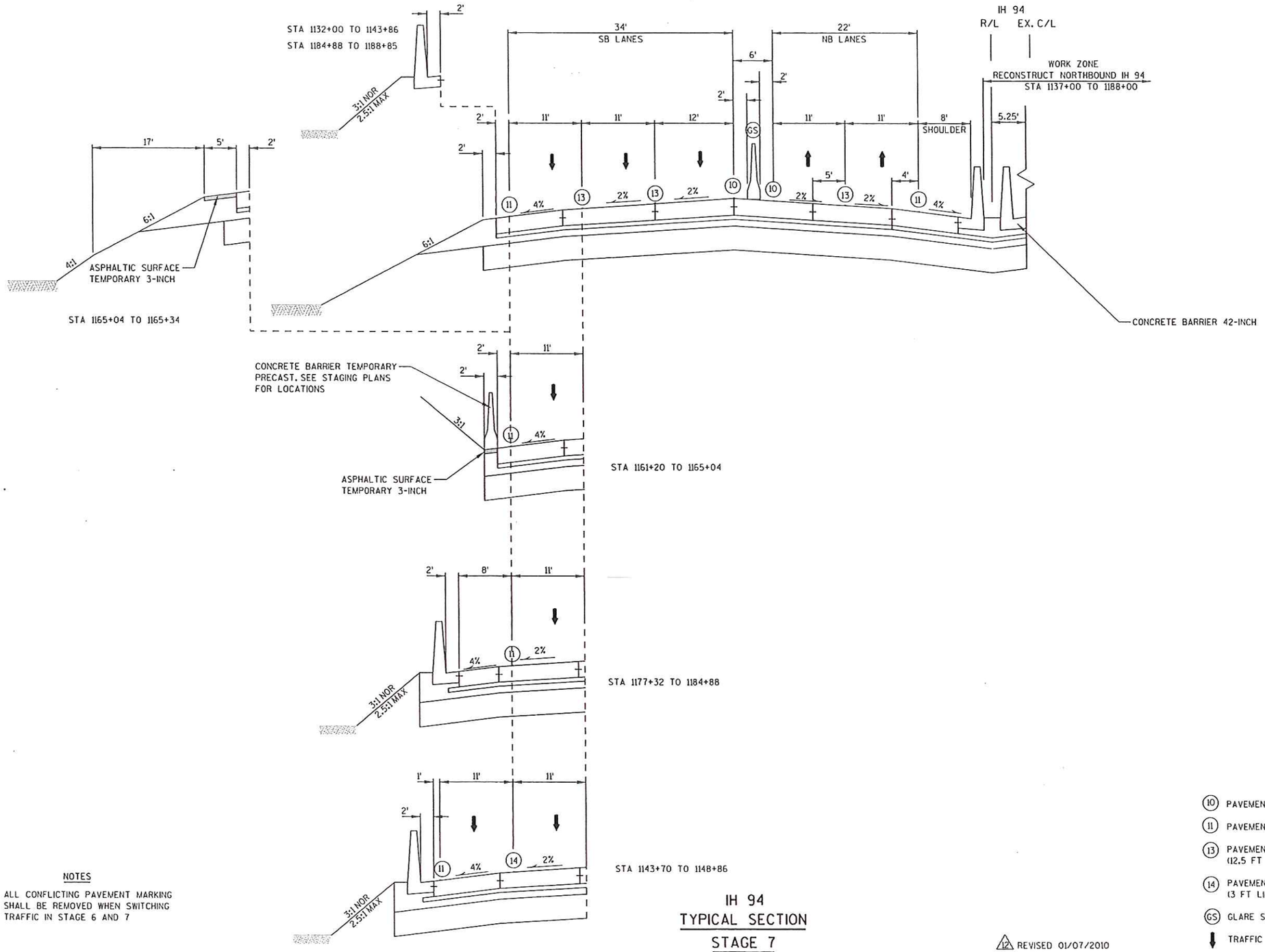
STAGING LEGEND

- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TRAFFIC CONTROL FLEXIBLE TUBULAR MAKKERS
- TRAFFIC CONTROL ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- PCMS TRAFFIC CONTROL SIGN PORTABLE CHANGEABLE MESSAGE
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC FLOW ARROW
- CC CRASH CUSHION TEMPORARY
- WORK ZONE THIS STAGE
- XXXXX REMOVING PAVEMENT MARKING
- SIGN ON TEMPORARY SUPPORT
- TBC TEMPORARY THRIE BEAM CONNECTION

PROJECT NO:1030-25-74	HWY:IH 94/CTH G	COUNTY:RACINE	STAGE 7 CONSTRUCTION	SHEET 127	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\026714_s7.dgn PLOT DATE : 28-JAN-2009 13:46 PLOT BY : mscdls PLOT NAME : PLOT SCALE : 100:1

Revision #12



NOTES

ALL CONFLICTING PAVEMENT MARKING SHALL BE REMOVED WHEN SWITCHING TRAFFIC IN STAGE 6 AND 7

IH 94
TYPICAL SECTION
STAGE 7

12 REVISED 01/07/2010

LEGEND

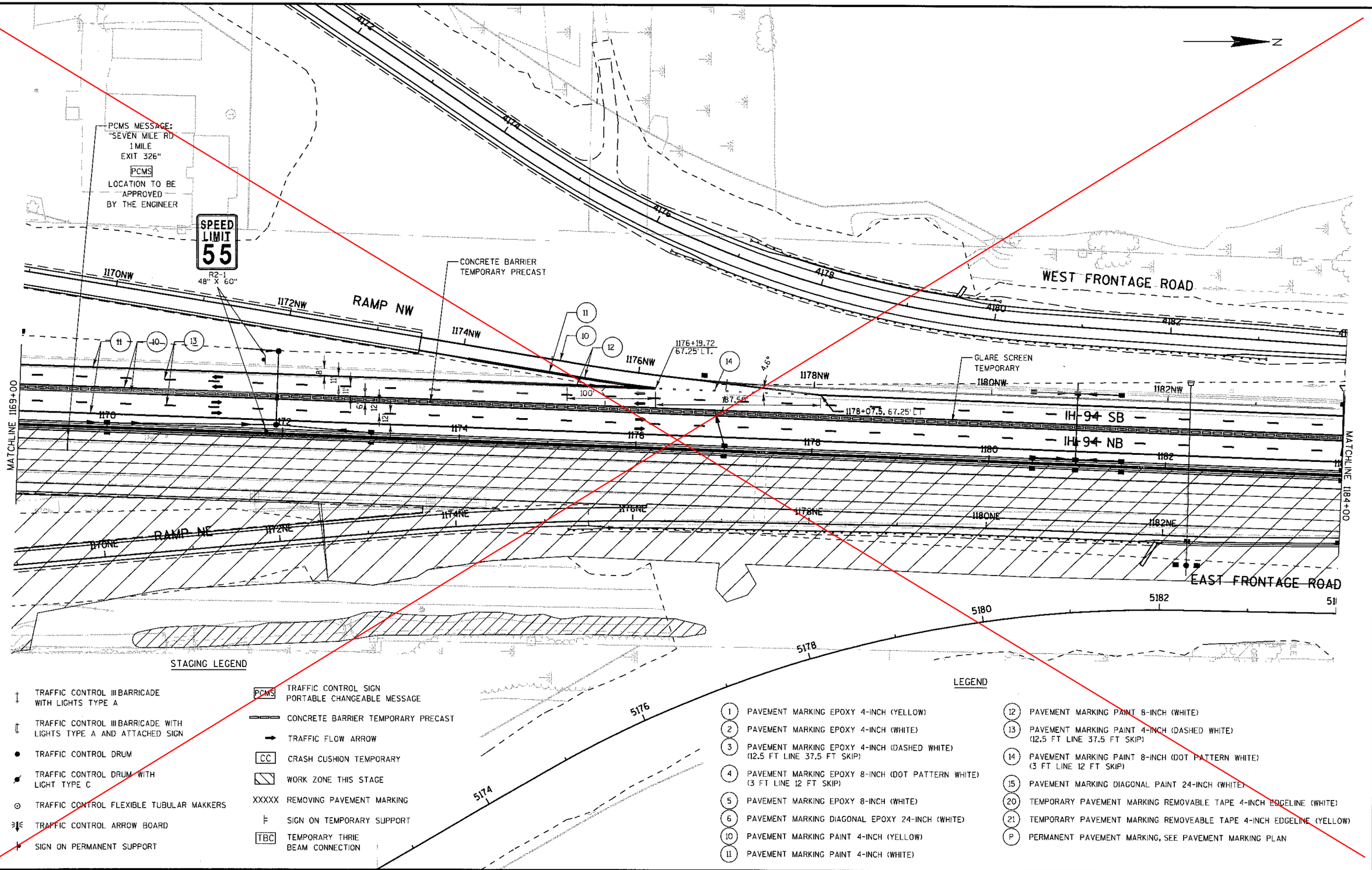
- (10) PAVEMENT MARKING PAINT 4-INCH (YELLOW)
- (11) PAVEMENT MARKING PAINT 4-INCH (WHITE)
- (13) PAVEMENT MARKING PAINT 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
- (14) PAVEMENT MARKING PAINT 8-INCH (DOT PATTERN WHITE) (3 FT LINE 12 FT SKIP)
- (GS) GLARE SCREEN TEMPORARY
- TRAFFIC FLOW

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 7 CONSTRUCTION - TYPICAL SECTIONS	SHEET 127A	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\Copy of 026710_s7.dgn PLOT DATE : 11-FEB-2010 14:55 PLOT BY : MSCESG PLOT NAME : Copy of 026710_s7 PLOT SCALE : 15:1

WISDOT/CADDS SHEET 42

2



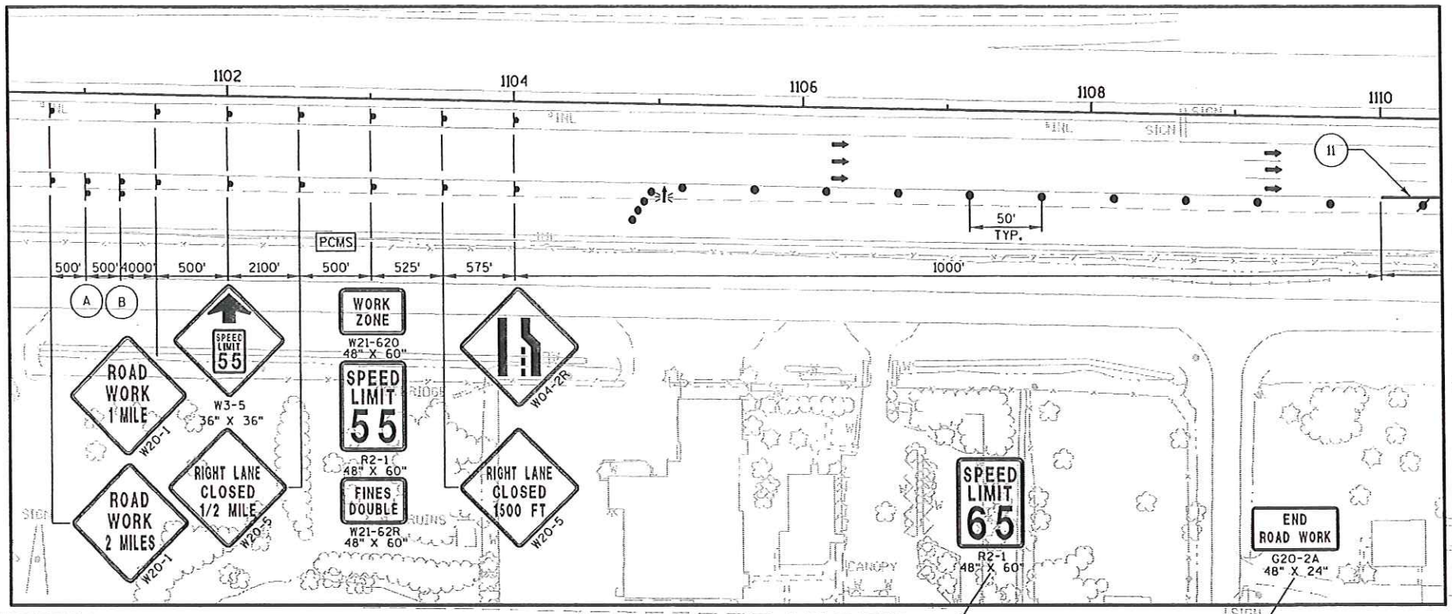
STAGING LEGEND

- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TRAFFIC CONTROL FLEXIBLE TUBULAR MAKKERS
- TRAFFIC CONTROL ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- PCMS TRAFFIC CONTROL SIGN PORTABLE CHANGEABLE MESSAGE
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC FLOW ARROW
- CC CRASH CUSHION TEMPORARY
- WORK ZONE THIS STAGE
- XXXXX REMOVING PAVEMENT MARKING
- SIGN ON TEMPORARY SUPPORT
- TBC TEMPORARY THRIE BEAM CONNECTION

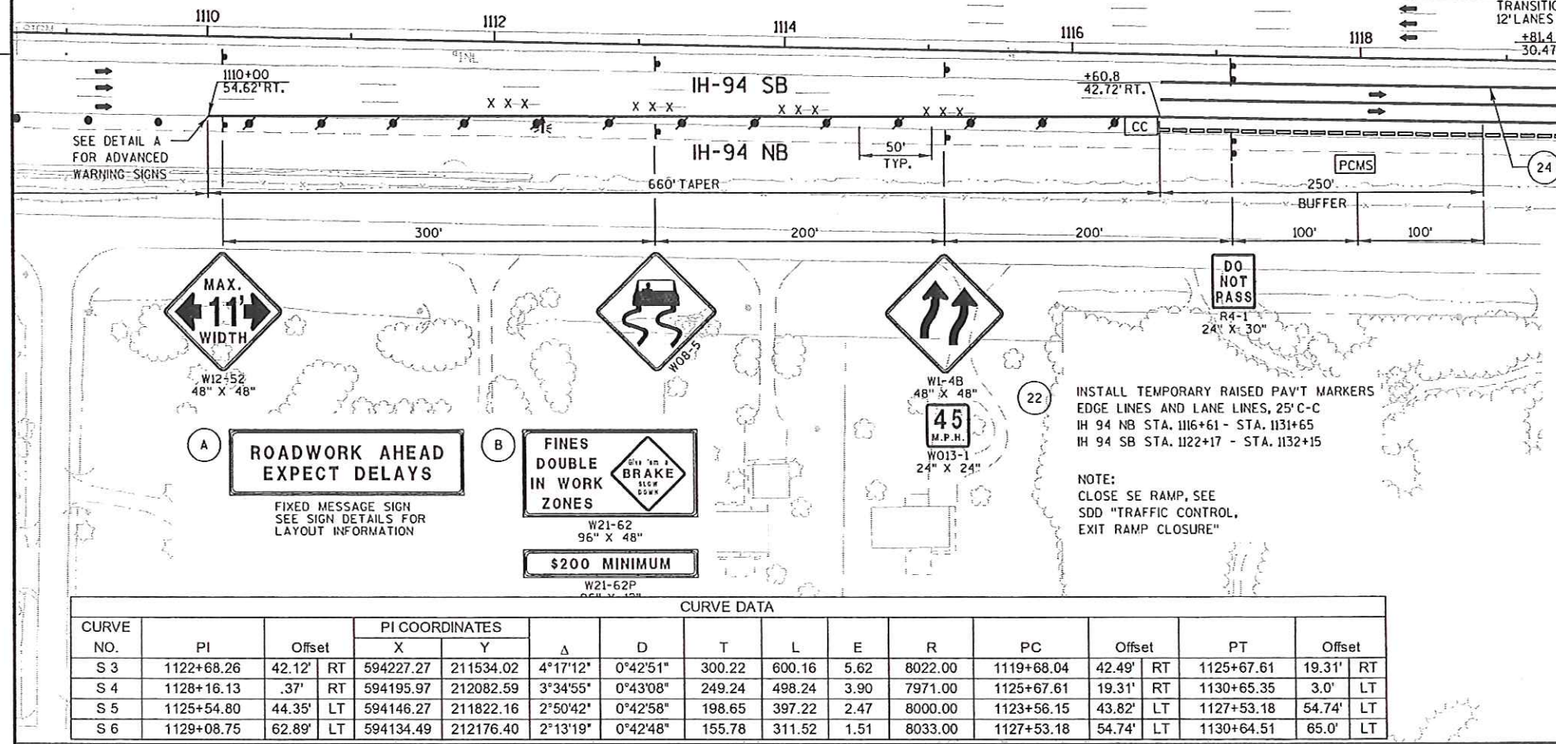
LEGEND

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)
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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)
12. PAVEMENT MARKING PAINT 8-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 12 FT SKIP)
15. PAVEMENT MARKING DIAGONAL PAINT 24-INCH (WHITE)
20. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH EDGELINE (WHITE)
21. TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 4-INCH EDGELINE (YELLOW)
P. PERMANENT PAVEMENT MARKING, SEE PAVEMENT MARKING PLAN

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 7 CONSTRUCTION	SHEET 128	E

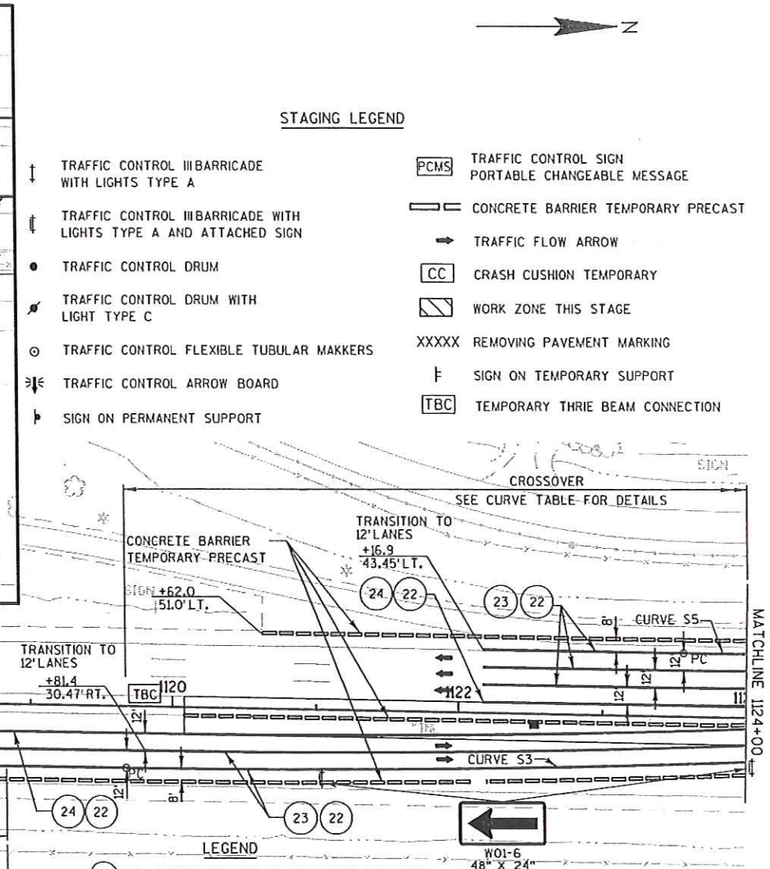


DETAIL A



INSTALL TEMPORARY RAISED PAV'T MARKERS
EDGE LINES AND LANE LINES, 25' C-C
IH 94 NB STA. 1116+61 - STA. 1131+65
IH 94 SB STA. 1122+17 - STA. 1132+15

NOTE:
CLOSE SE RAMP, SEE
SDD "TRAFFIC CONTROL,
EXIT RAMP CLOSURE"



STAGING LEGEND

- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TRAFFIC CONTROL FLEXIBLE TUBULAR MAKKERS
- TRAFFIC CONTROL ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- PCMS TRAFFIC CONTROL SIGN PORTABLE CHANGEABLE MESSAGE
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC FLOW ARROW
- CC CRASH CUSHION TEMPORARY
- WORK ZONE THIS STAGE
- XXXXX REMOVING PAVEMENT MARKING
- SIGN ON TEMPORARY SUPPORT
- TBC TEMPORARY THRIE BEAM CONNECTION

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 (DOT PATTERN WHITE) (3 FT LINE 12 FT SKIP)
5. PAVEMENT MARKING EPOXY 8-INCH (WHITE)
6. PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE)
12. PAVEMENT MARKING PAINT 8-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 12 FT SKIP)
15. PAVEMENT MARKING DIAGONAL PAINT 24-INCH (WHITE)
20. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH EDGELINE (WHITE)
21. TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 4-INCH EDGELINE (YELLOW)
22. TEMPORARY RAISED PAVEMENT MARKERS
23. WET REFLECTIVE TEMP PAV'T MARKING TAPE 4-INCH WHITE
24. WET REFLECTIVE TEMP PAV'T MARKING TAPE 4-INCH YELLOW
P. PERMANENT PAVEMENT MARKING, SEE PAVEMENT MARKING PLAN

12 REVISED 01/07/2010

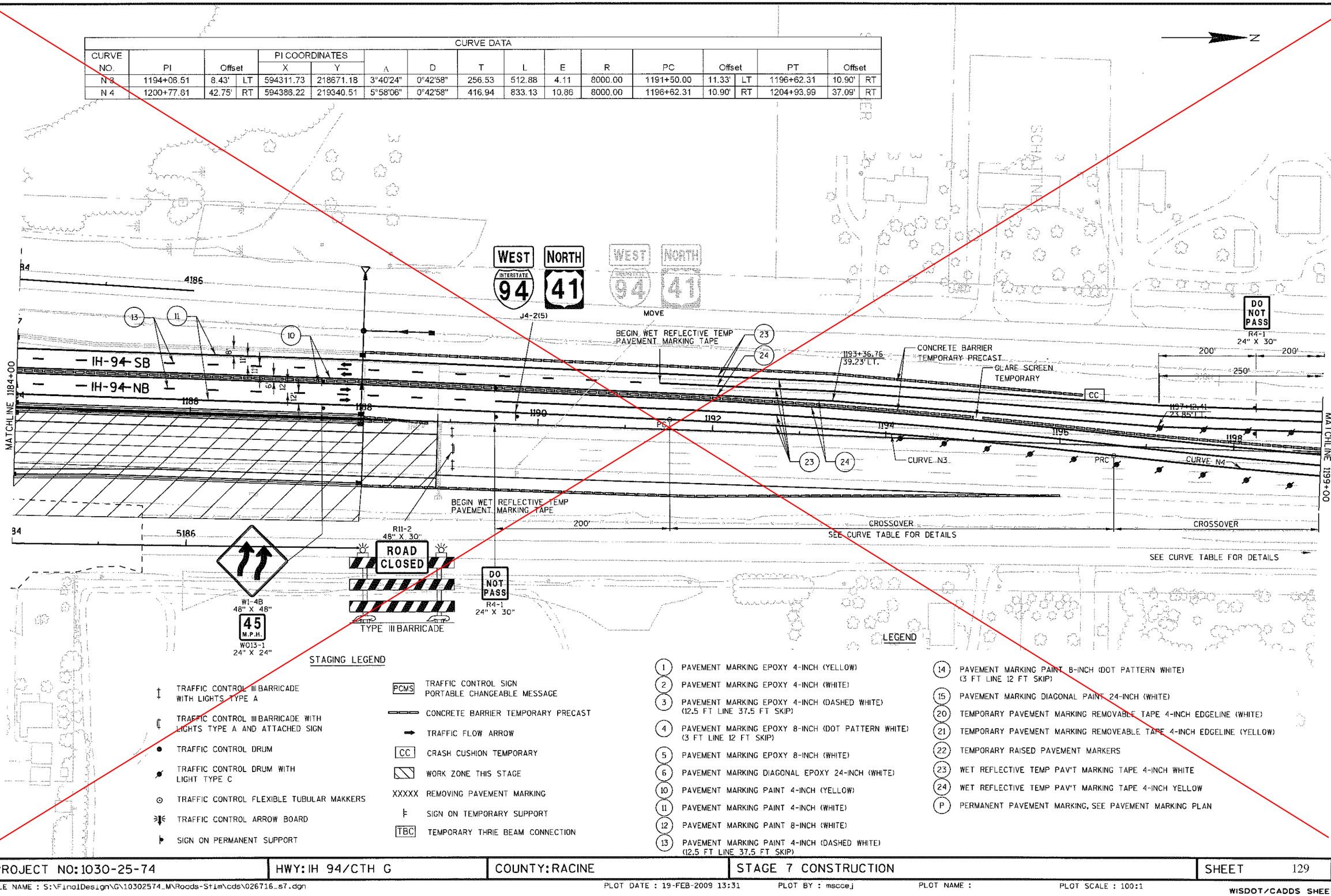
CURVE DATA

CURVE NO.	PI	Offset		PI COORDINATES X	PI COORDINATES Y	Δ	D	T	L	E	R	PC	Offset		PT	Offset	
S 3	1122+68.26	42.12'	RT	594227.27	211534.02	4°17'12"	0°42'51"	300.22	600.16	5.62	8022.00	1119+68.04	42.49'	RT	1125+67.61	19.31'	RT
S 4	1128+16.13	.37'	RT	594195.97	212082.59	3°34'55"	0°43'08"	249.24	498.24	3.90	7971.00	1125+67.61	19.31'	RT	1130+65.35	3.0'	LT
S 5	1125+54.80	44.35'	LT	594146.27	211822.16	2°50'42"	0°42'58"	198.65	397.22	2.47	8000.00	1123+56.15	43.82'	LT	1127+53.18	54.74'	LT
S 6	1129+08.75	62.89'	LT	594134.49	212176.40	2°13'19"	0°42'48"	155.78	311.52	1.51	8033.00	1127+53.18	54.74'	LT	1130+64.51	65.0'	LT

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 7 CONSTRUCTION	SHEET 128 A E

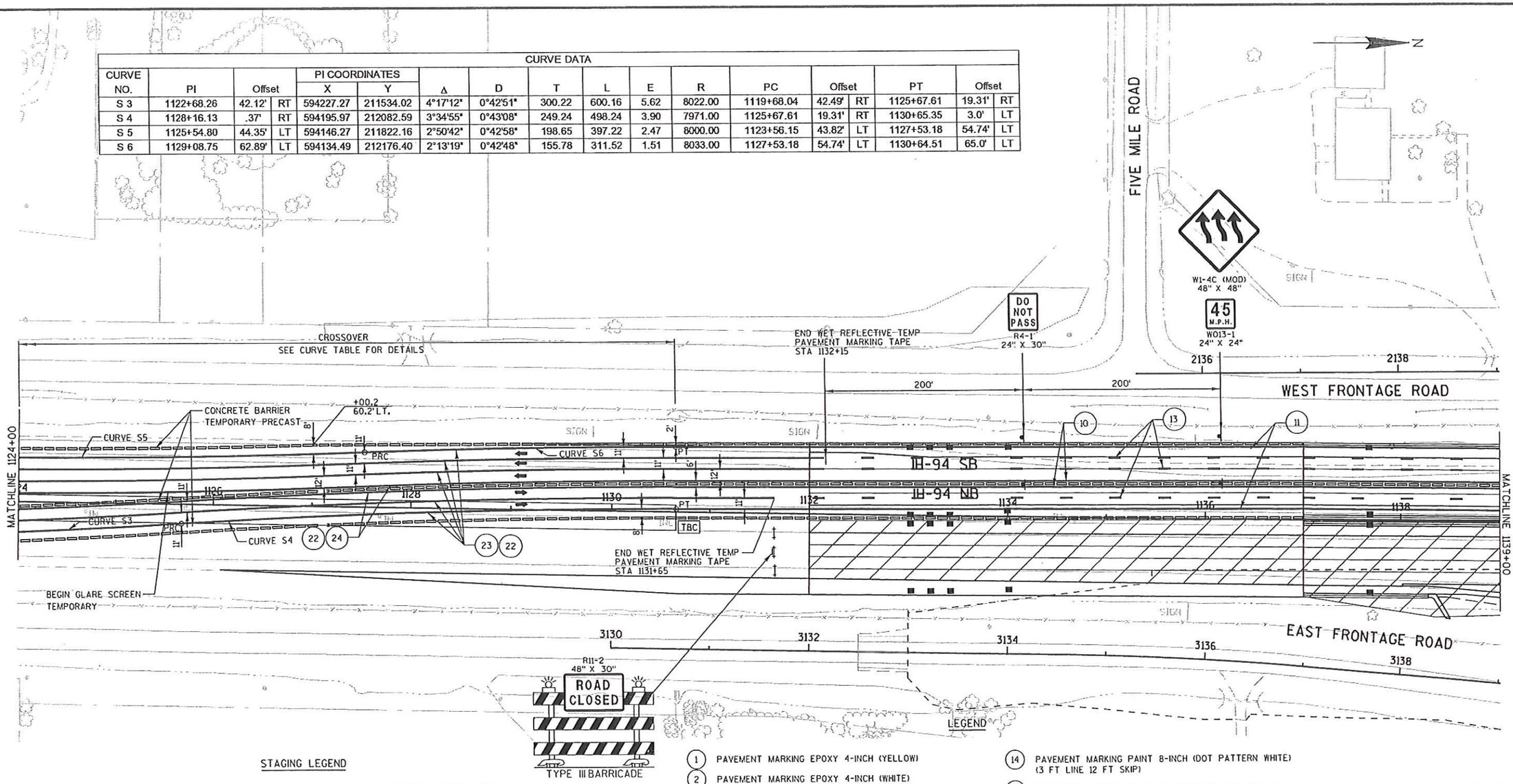
FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\Copy of 026711_s7.dgn PLOT DATE : 11-FEB-2010 14:55 PLOT BY : MSCESG PLOT NAME : PLOT SCALE : 100:1

CURVE DATA																	
CURVE NO.	PI	Offset		PI COORDINATES X	PI COORDINATES Y	Δ	D	T	L	E	R	PC	Offset		PT	Offset	
N 3	1194+06.51	8.43'	LT	594311.73	218671.18	3°40'24"	0°42'58"	256.53	512.88	4.11	8000.00	1191+50.00	11.33'	LT	1196+62.31	10.90'	RT
N 4	1200+77.81	42.75'	RT	594386.22	219340.51	5°58'06"	0°42'58"	416.94	833.13	10.86	8000.00	1196+62.31	10.90'	RT	1204+93.99	37.09'	RT



2

CURVE DATA																	
CURVE NO.	PI	Offset		PI COORDINATES X	PI COORDINATES Y	Δ	D	T	L	E	R	PC	Offset		PT	Offset	
S 3	1122+68.26	42.12'	RT	594227.27	211534.02	4°17'12"	0°42'51"	300.22	600.16	5.62	8022.00	1119+68.04	42.49'	RT	1125+67.61	19.31'	RT
S 4	1128+16.13	.37'	RT	594195.97	212082.59	3°34'55"	0°43'08"	249.24	498.24	3.90	7971.00	1125+67.61	19.31'	RT	1130+65.35	3.0'	LT
S 5	1125+54.80	44.35'	LT	594146.27	211822.16	2°50'42"	0°42'58"	198.65	397.22	2.47	8000.00	1123+56.15	43.82'	LT	1127+53.18	54.74'	LT
S 6	1129+08.75	62.89'	LT	594134.49	212176.40	2°13'19"	0°42'48"	155.78	311.52	1.51	8033.00	1127+53.18	54.74'	LT	1130+64.51	65.0'	LT



STAGING LEGEND

- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TRAFFIC CONTROL FLEXIBLE TUBULAR MAKKERS
- TRAFFIC CONTROL ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- PCMS — TRAFFIC CONTROL SIGN PORTABLE CHANGEABLE MESSAGE
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC FLOW ARROW
- CC — CRASH CUSHION TEMPORARY
- WORK ZONE THIS STAGE
- XXXXX — REMOVING PAVEMENT MARKING
- SIGN ON TEMPORARY SUPPORT
- TBC — TEMPORARY THRIE BEAM CONNECTION

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 (DOT PATTERN WHITE) (3 FT LINE 12 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)
12. PAVEMENT MARKING PAINT 8-INCH (WHITE)
13. PAVEMENT MARKING PAINT 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
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15. PAVEMENT MARKING DIAGONAL PAINT 24-INCH (WHITE)
20. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH EDGELINE (WHITE)
21. TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 4-INCH EDGELINE (YELLOW)
22. TEMPORARY RAISED PAVEMENT MARKERS
23. WET REFLECTIVE TEMP PAV'T MARKING TAPE 4-INCH WHITE
24. WET REFLECTIVE TEMP PAV'T MARKING TAPE 4-INCH YELLOW
P. PERMANENT PAVEMENT MARKING, SEE PAVEMENT MARKING PLAN

/2010

12 REVISED 01/07/2010

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 7 CONSTRUCTION	SHEET 129A E

2

CURVE DATA

CURVE NO.	PI	Offset		PI COORDINATES X	PI COORDINATES Y	Δ	D	T	L	E	R
N 3	1194+06.51	8.43'	LT	594311.73	218671.18	3°40'24"	0°42'58"	256.53	512.88	4.11	8000.00
N 4	1200+77.81	42.75'	RT	594386.22	219340.51	5°58'01"	0°42'58"	416.94	833.13	10.86	8000.00

N

(A) ROADWORK AHEAD EXPECT DELAYS
FIXED MESSAGE SIGN
SEE SIGN DETAILS FOR LAYOUT INFORMATION

(B) FINES DOUBLE IN WORK ZONES — Give 'em a BRAKE SLOW DOWN
W21-62
96" X 48"

$200 MINIMUM
W21-62P
96" X 12"

(22) INSTALL TEMPORARY RAISED PAV'T MARKERS
EDGE LINES AND LANE LINES, 25' C-C
IH 94 NB STA. 1188+05 - STA. 1206+94
IH 94 SB STA. 1188+04 - STA. 1198+24

W1-4B
48" X 48"

45 M.P.H.
W013-1
24" X 24"

MAX. 11' WIDTH
W12-52
48" X 48"

LEFT LANE CLOSED 1500 FT
W20-5

W4-2L

WORK ZONE
W21-62O
48" X 60"

SPEED LIMIT 55
R2-1
48" X 60"

FINES DOUBLE
W21-62R
48" X 60"

LEFT LANE CLOSED 1/2 MILE
W20-5

SPEED LIMIT 55
W3-5
36" X 36"

ROAD WORK 1 MILE
W20-1

ROAD WORK 2 MILES
W20-1

200' 200' 250' 660' LANE DROP 1000' 575' 525' 500' 2100' 500' 4000' 500' 500'

MATCHLINE 1199+00

CONCRETE BARRIER TEMPORARY PRECAST

END GLARE SCREEN TEMPORARY

1200 1202 1204 1206 1208 1210 1212 1214

1206+22.89 13.00' LT.

1204+93.88 13.09' RT.

1205+93.83 36.86' RT.

1207+43.51 48.96' RT.

CURVE N4

IH-94 SB

IH-94 NB

PCMS

TBC

CROSSOVER
SEE CURVE TABLE FOR DETAILS

100' 150'

END ROAD WORK
G20-2A
48" X 24"

SPEED LIMIT 65
R2-1
48" X 60"

STAGING LEGEND

- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TRAFFIC CONTROL FLEXIBLE TUBULAR MAKKERS
- TRAFFIC CONTROL ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- PCMS TRAFFIC CONTROL SIGN PORTABLE CHANGEABLE MESSAGE
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC FLOW ARROW
- CC CRASH CUSHION TEMPORARY
- WORK ZONE THIS STAGE
- XXXXX REMOVING PAVEMENT MARKING
- SIGN ON TEMPORARY SUPPORT
- TBC TEMPORARY THRIE BEAM CONNECTION

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 (DOT PATTERN WHITE) (3 FT LINE 12 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)
12. PAVEMENT MARKING PAINT 8-INCH (WHITE)
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22. TEMPORARY RAISED PAVEMENT MARKERS
23. WET REFLECTIVE TEMP PAV'T MARKING TAPE 4-INCH WHITE
24. WET REFLECTIVE TEMP PAV'T MARKING TAPE 4-INCH YELLOW
P. PERMANENT PAVEMENT MARKING, SEE PAVEMENT MARKING PLAN

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 7 CONSTRUCTION	SHEET 130	E

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2

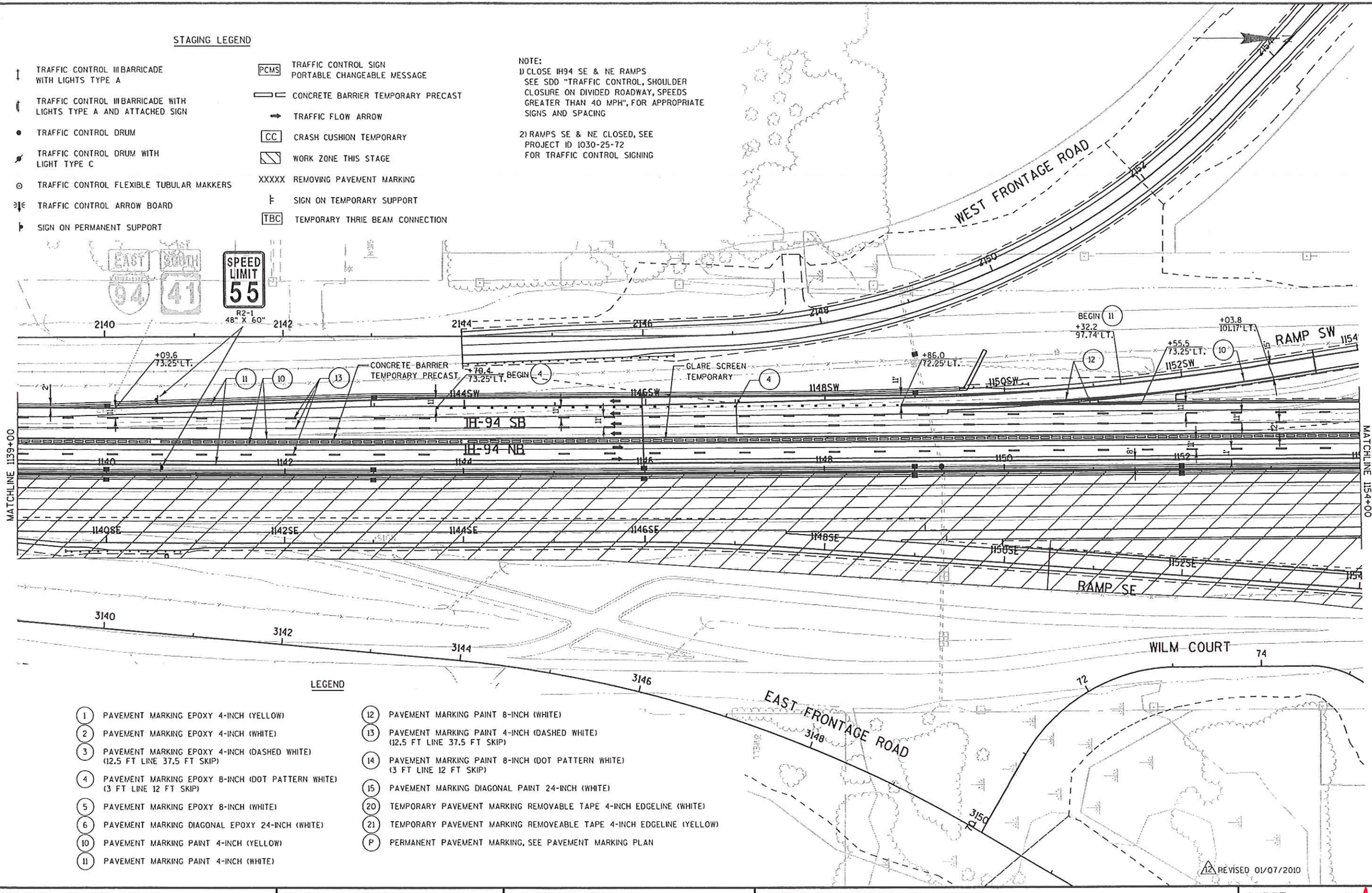
2

STAGING LEGEND

- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TRAFFIC CONTROL FLEXIBLE TUBULAR MAKKERS
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- SIGN ON PERMANENT SUPPORT
- PCMS — TRAFFIC CONTROL SIGN PORTABLE CHANGEABLE MESSAGE
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC FLOW ARROW
- CC — CRASH CUSHION TEMPORARY
- WORK ZONE THIS STAGE
- XXXXX REMOVING PAVEMENT MARKING
- SIGN ON TEMPORARY SUPPORT
- TBC — TEMPORARY THRIE BEAM CONNECTION

NOTE:
1) CLOSE IH94 SE & NE RAMPS SEE SDD "TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH", FOR APPROPRIATE SIGNS AND SPACING

2) RAMPS SE & NE CLOSED, SEE PROJECT ID 1030-25-72 FOR TRAFFIC CONTROL SIGNING

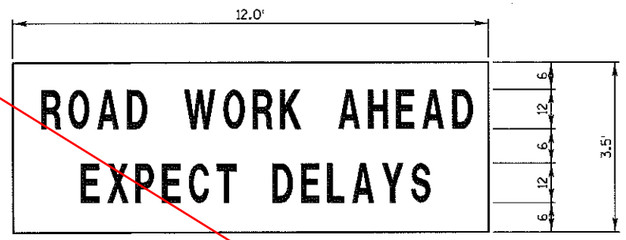


LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
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3. PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
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6. PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE)
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20. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH EDGELINE (WHITE)
21. TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 4-INCH EDGELINE (YELLOW)
P. PERMANENT PAVEMENT MARKING, SEE PAVEMENT MARKING PLAN

12 REVISED 01/07/2010

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 7 CONSTRUCTION	SHEET 130A	E



A

NOTES

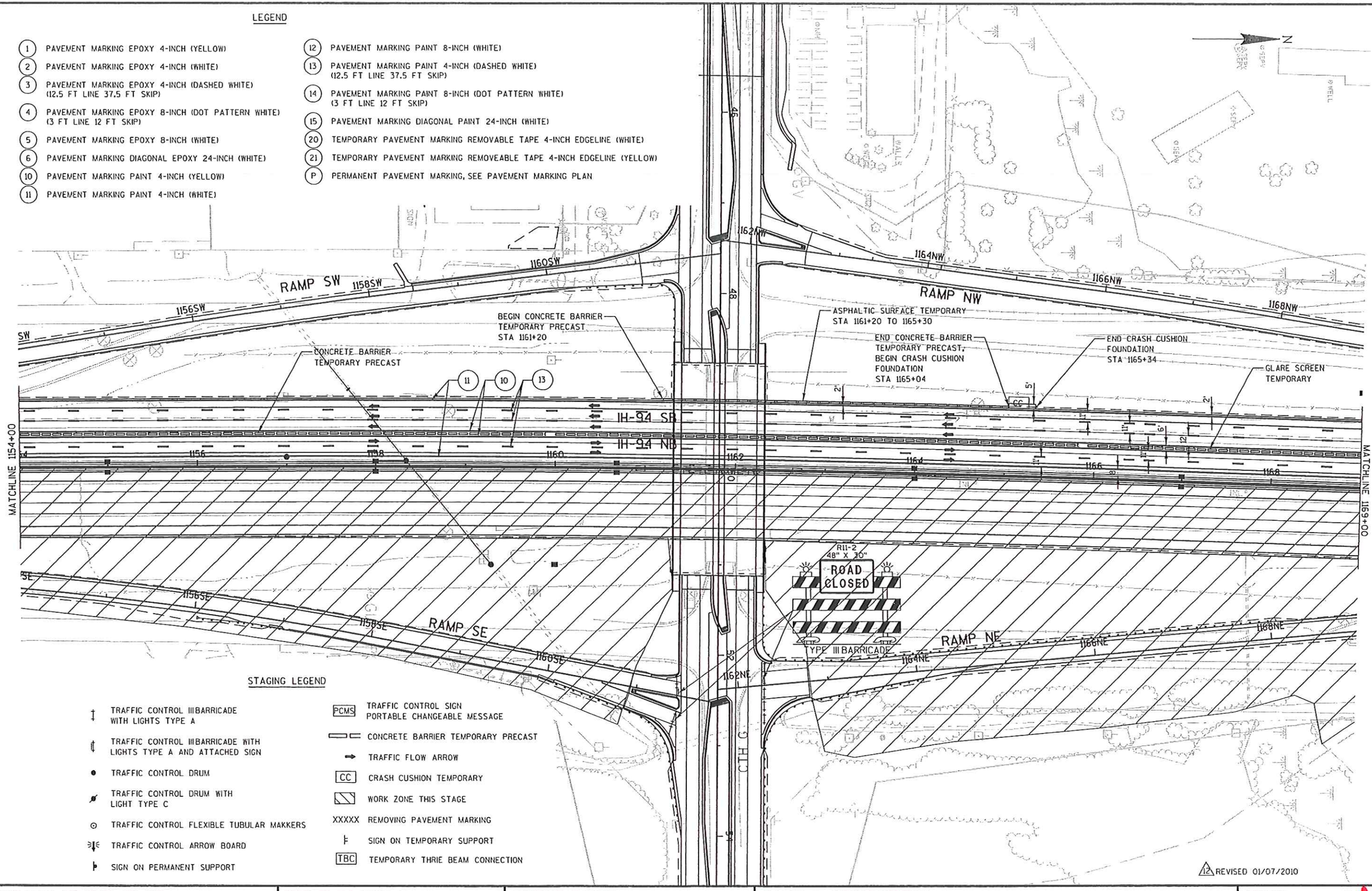
1. ALL SIGNS TO HAVE STANDARD REFLECTIVE SHEETING - REFERENCE: "WISDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," LATEST EDITION.
2. AFTER SIGNS HAVE BEEN LOCATED IN THE FIELD, BUT BEFORE INSTALLATION, THE SIGNING AND MARKING SUPERVISOR SHALL VERIFY EACH SIGN LOCATION.
3. ALL SIGNS TO 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

FIXED MESSAGE SIGNS

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 (DOT PATTERN WHITE) (3 FT LINE 12 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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15. PAVEMENT MARKING DIAGONAL PAINT 24-INCH (WHITE)
20. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH EDGELINE (WHITE)
21. TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 4-INCH EDGELINE (YELLOW)
P. PERMANENT PAVEMENT MARKING, SEE PAVEMENT MARKING PLAN



STAGING LEGEND

- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TRAFFIC CONTROL FLEXIBLE TUBULAR MAKKERS
- TRAFFIC CONTROL ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- PCMS TRAFFIC CONTROL SIGN PORTABLE CHANGEABLE MESSAGE
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC FLOW ARROW
- CC CRASH CUSHION TEMPORARY
- WORK ZONE THIS STAGE
- XXXXX REMOVING PAVEMENT MARKING
- SIGN ON TEMPORARY SUPPORT
- TBC TEMPORARY THRIE BEAM CONNECTION

12 REVISED 01/07/2010

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 7 CONSTRUCTION	SHEET 131A	E

CURVE DATA

CURVE NO.	PI	PI COORDINATES X	PI COORDINATES Y	△	D	T	L	E	R	PC	PT
94-1	1139+75.82	594217.70	213242.08	1°25'56"	0°10'00"	429.58	859.12	2.68	34371.47	1135+46.24	1144+05.36
94-2	1161+48.67	594204.80	215414.93	2°22'09"	0°14'00"	507.72	1015.30	5.25	24555.33	1156+40.95	1166+56.25
3	1143SW+49.92	594140.22	213617.65	1°10'44"	0°10'01"	53.54	107.08	0.04	34296.22	1142SW+96.38	1144SW+03.46
4	1150SW+94.90	594125.83	214362.45	7°24'01"	1°54'35"	194.01	387.48	6.27	3000.00	1149SW+00.89	1152SW+88.36
5	1157SW+12.34	594030.37	214973.02	1°57'53"	0°42'58"	137.18	274.33	1.18	8000.00	1155SW+75.16	1158SW+49.50
6	1141SE+79.26	594291.75	213445.08	0°45'19"	0°09'59"	227.07	454.13	0.75	34446.41	1139SE+52.19	1144SE+06.32
7	1146SE+71.97	594288.82	213937.72	4°34'26"	1°54'35"	119.81	239.49	2.39	3000.00	1145SE+52.16	1147SE+91.65
8	1155SE+91.88	594356.75	214855.24	6°34'41"	1°25'57"	229.87	459.24	6.60	4000.00	1153SE+62.01	1158SE+21.25

NOTES

1) ALIGNMENT DATA FOR CTH G CAN BE FOUND ON A SUBSEQUENT SHEET.
2) CURVE NO. 10 ELIMINATED

N

X=591700.57
Y=215488.00

2164+04.46 WEST FRONTAGE ROAD=
41+91.24 CTH G
X = 593407.53
Y = 215460.94

R/L WEST FRONTAGE ROAD
(SEE ID 1030-25-71)

THELEN COURT

R/L CTH G

1/4 LINE
S 89°05'30" E
2657.67'

R/L THELEN COURT
(SEE ID 1030-25-71)

1161SW+94.79 RAMP SW=
47+56.01 CTH G
X = 593972.23
Y = 215451.98

CTH G

X=591641.95
Y=212837.16

SECTION LINE
S 89°05'11" E
2659.31'

2423.17'

1142SW+96.38 RAMP SW=
1142+98.03 IH 94, 75.25' LT
X = 594140.37
Y = 213564.11

WEST FRONTAGE RD

R/L RAMP SW

PI 1157SW+12.34

PT

1160SW
N6°55'17"W

PC

RAMP SW 1155SW
N8°53'10"W

CURVE 5

POT 1100+00
X=594141.93
Y=209266.98

PT

PC

CURVE 3

PI 1143SW+49.92

1145SW
N0°20'24"W

N1°29'09"W

1150SW

CURVE 4

PI 1150SW+94.90

R/L IH 94

1161+81.95 IH 94=
49+94.38 CTH G
X = 594210.56
Y = 215448.21

PI 1161+48.67

N1°05'31"E
3546.24'

144.41'

CURVE 94-1

PI 1139+75.82

IH 94

N0°20'24"W

CURVE 94-2

PC

PT

PC

PT

PC

X=594357.91
Y=215445.87

SECTION LINE
N1°10'18"E
2651.08'

91.73'

SECTION LINE
N1°13'53"E
2651.73'

PC

PI 1141SE+79.26

1140SE

1145SE
N0°20'24"W

PI 1146SE+71.97

RAMP SE 1150SE

N4°14'02"E

1155SE

PI 1155SE+91.88

CURVE 6

CURVE 7

CURVE 8

PT

PC

PT

PC

PT

1160SE
N10°48'43"E

X=594246.71
Y=210144.23

X=594300.92
Y=212794.76

3129+99.96 EAST FRONTAGE RD=
1130+00.00 IH 94, 136.99' RT
X = 594336.07
Y = 212363.82

1139SE+52.19 RAMP SE=
1139+52.19 IH 94, 75.25' RT
X = 594290.10
Y = 213217.94

R/L RAMP SE

R/L EAST FRONTAGE ROAD
(SEE ID 1030-25-71)

WILM COURT

R/L WILM COURT
(SEE ID 1030-25-71)

1161SE+91.07 RAMP SE=
52+53.08 CTH G
X = 594469.24
Y = 215444.29

2304.66'

SECTION LINE
S 89°10'57" E
2351.42'

EAST FRONTAGE RD

3163+30.51 EAST FRONTAGE ROAD=
58+74.49 CTH G
X = 595090.58
Y = 215435.49

1/4 LINE
S 89°11'17" E
2330.92'

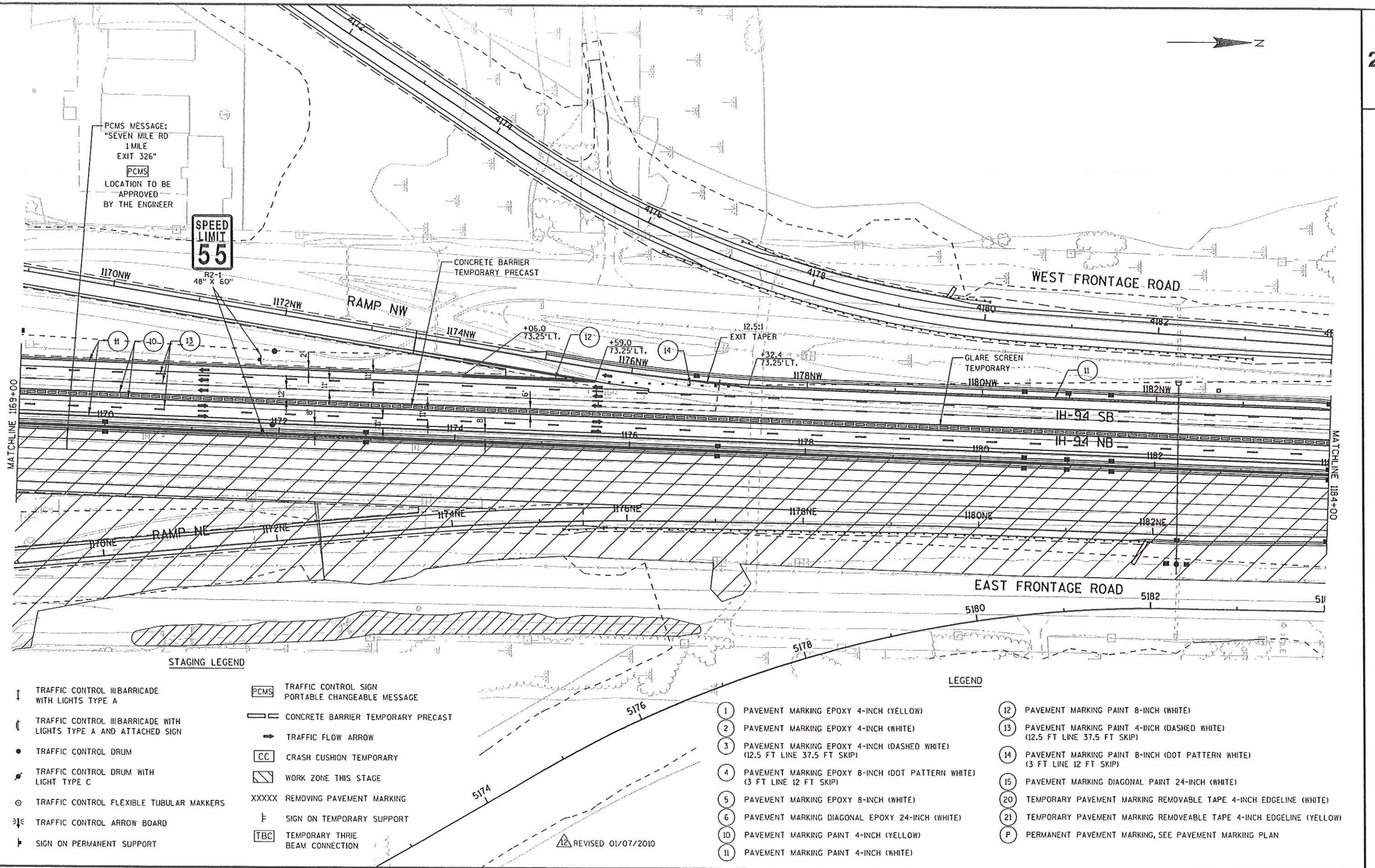
CTH G

X=596652.09
Y=212761.21

X=596688.59
Y=215412.84

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	ALIGNMENT PLAN	SHEET 132	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\027201_od.dgn PLOT DATE : 28-JAN-2009 13:48 PLOT BY : mscdls PLOT NAME : PLOT SCALE : 200:1



STAGING LEGEND

- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A
- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TRAFFIC CONTROL FLEXIBLE TUBULAR MAKKERS
- TRAFFIC CONTROL ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- PCMS TRAFFIC CONTROL SIGN PORTABLE CHANGEABLE MESSAGE
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC FLOW ARROW
- CC CRASH CUSHION TEMPORARY
- WORK ZONE THIS STAGE
- XXXXX REMOVING PAVEMENT MARKING
- SIGN ON TEMPORARY SUPPORT
- TBC TEMPORARY THRIE BEAM CONNECTION

LEGEND

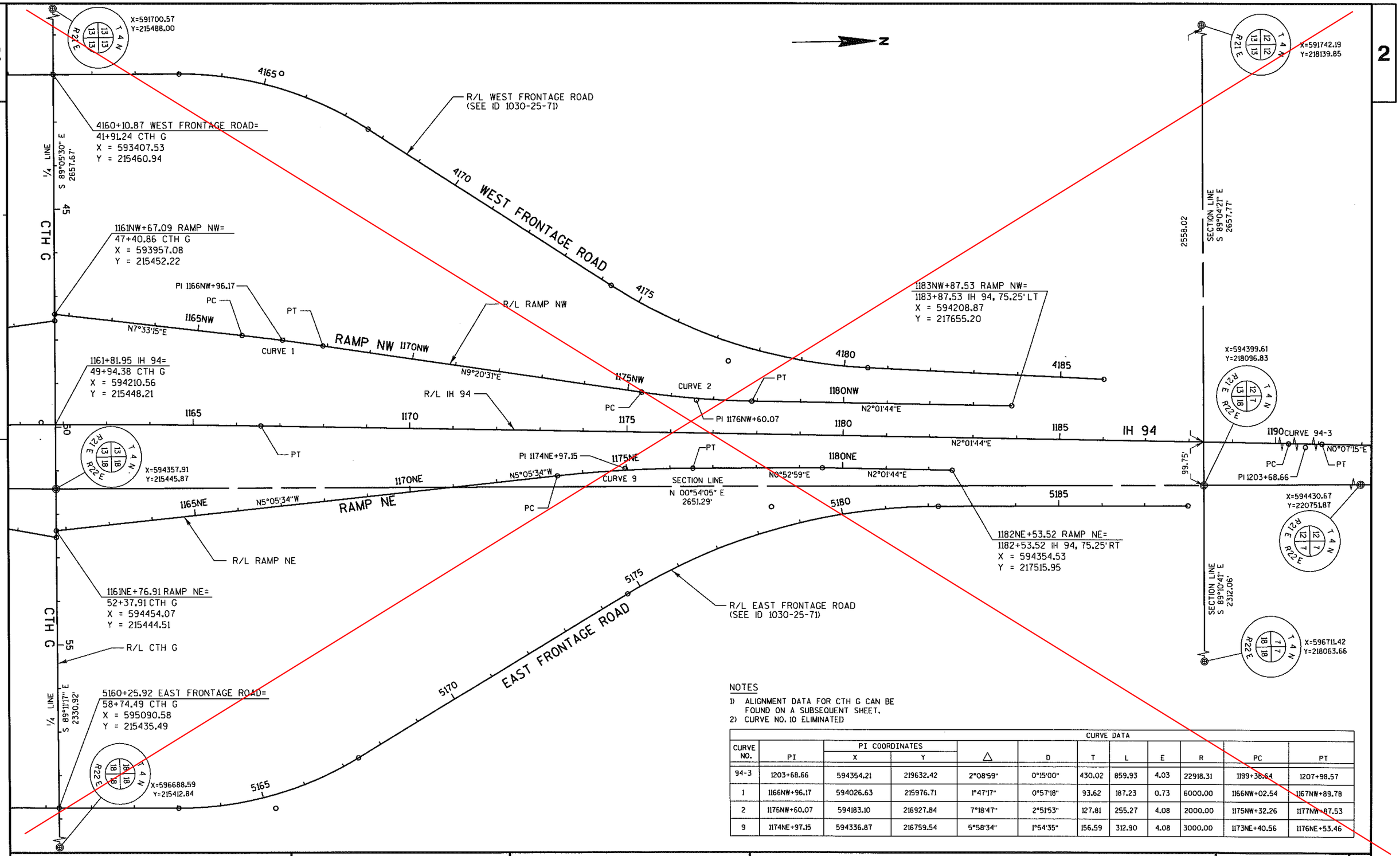
1. PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
2. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
3. PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
4. PAVEMENT MARKING EPOXY 8-INCH (DOT PATTERN WHITE) (3 FT LINE 12 FT SKIP)
5. PAVEMENT MARKING EPOXY 8-INCH (WHITE)
6. PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE)
10. PAVEMENT MARKING PAINT 4-INCH (YELLOW)
11. PAVEMENT MARKING PAINT 4-INCH (WHITE)
12. PAVEMENT MARKING PAINT 8-INCH (WHITE)
13. PAVEMENT MARKING PAINT 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
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15. PAVEMENT MARKING DIAGONAL PAINT 24-INCH (WHITE)
20. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH EDGELINE (WHITE)
21. TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 4-INCH EDGELINE (YELLOW)
P. PERMANENT PAVEMENT MARKING, SEE PAVEMENT MARKING PLAN

12 REVISED 01/07/2010

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 7 CONSTRUCTION	SHEET 132 A E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\Copy of 026715_s7.dgn PLOT DATE : 11-FEB-2010 14:57 PLOT BY : MSCESG PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42



NOTES

1) ALIGNMENT DATA FOR CTH G CAN BE FOUND ON A SUBSEQUENT SHEET.
2) CURVE NO. 10 ELIMINATED

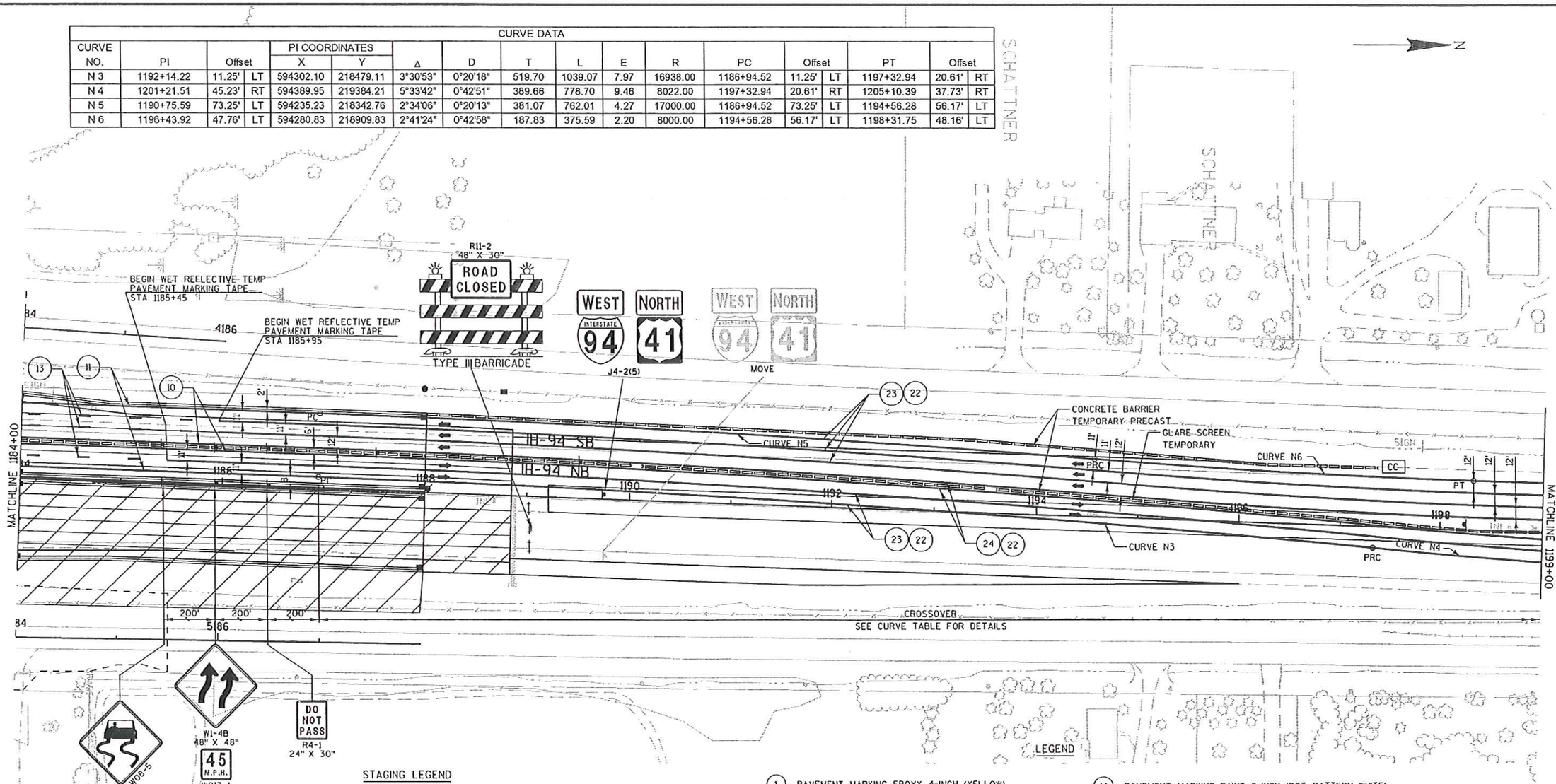
CURVE DATA											
CURVE NO.	PI	PI COORDINATES X	PI COORDINATES Y	△	D	T	L	E	R	PC	PT
94-3	1203+68.66	594354.21	219632.42	2°08'59"	0°15'00"	430.02	859.93	4.03	22918.31	1199+38.64	1207+98.57
1	1166NW+96.17	594026.63	215976.71	1°47'17"	0°57'18"	93.62	187.23	0.73	6000.00	1166NW+02.54	1167NW+89.78
2	1176NW+60.07	594183.10	216927.84	7°18'47"	2°51'53"	127.81	255.27	4.08	2000.00	1175NW+32.26	1177NW+87.53
9	1174NE+97.15	594336.87	216759.54	5°58'34"	1°54'35"	156.59	312.90	4.08	3000.00	1173NE+40.56	1176NE+53.46

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	ALIGNMENT PLAN	SHEET 133	E

2

CURVE DATA

CURVE NO.	PI	Offset		PI COORDINATES X	PI COORDINATES Y	Δ	D	T	L	E	R	PC	Offset		PT	Offset	
N 3	1192+14.22	11.25'	LT	594302.10	218479.11	3°30'53"	0°20'18"	519.70	1039.07	7.97	16938.00	1186+94.52	11.25'	LT	1197+32.94	20.61'	RT
N 4	1201+21.51	45.23'	RT	594389.95	219384.21	5°33'42"	0°42'51"	389.66	778.70	9.46	8022.00	1197+32.94	20.61'	RT	1205+10.39	37.73'	RT
N 5	1190+75.59	73.25'	LT	594235.23	218342.76	2°34'06"	0°20'13"	381.07	762.01	4.27	17000.00	1186+94.52	73.25'	LT	1194+56.28	56.17'	LT
N 6	1196+43.92	47.76'	LT	594280.83	218909.83	2°41'24"	0°42'58"	187.83	375.59	2.20	8000.00	1194+56.28	56.17'	LT	1198+31.75	48.16'	LT



STAGING LEGEND

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- TRAFFIC CONTROL III BARRICADE WITH LIGHTS TYPE A AND ATTACHED SIGN
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- SIGN ON PERMANENT SUPPORT
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- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC FLOW ARROW
- CC CRASH CUSHION TEMPORARY
- WORK ZONE THIS STAGE
- XXXXX REMOVING PAVEMENT MARKING
- SIGN ON TEMPORARY SUPPORT
- TBC TEMPORARY THRIE BEAM CONNECTION

LEGEND

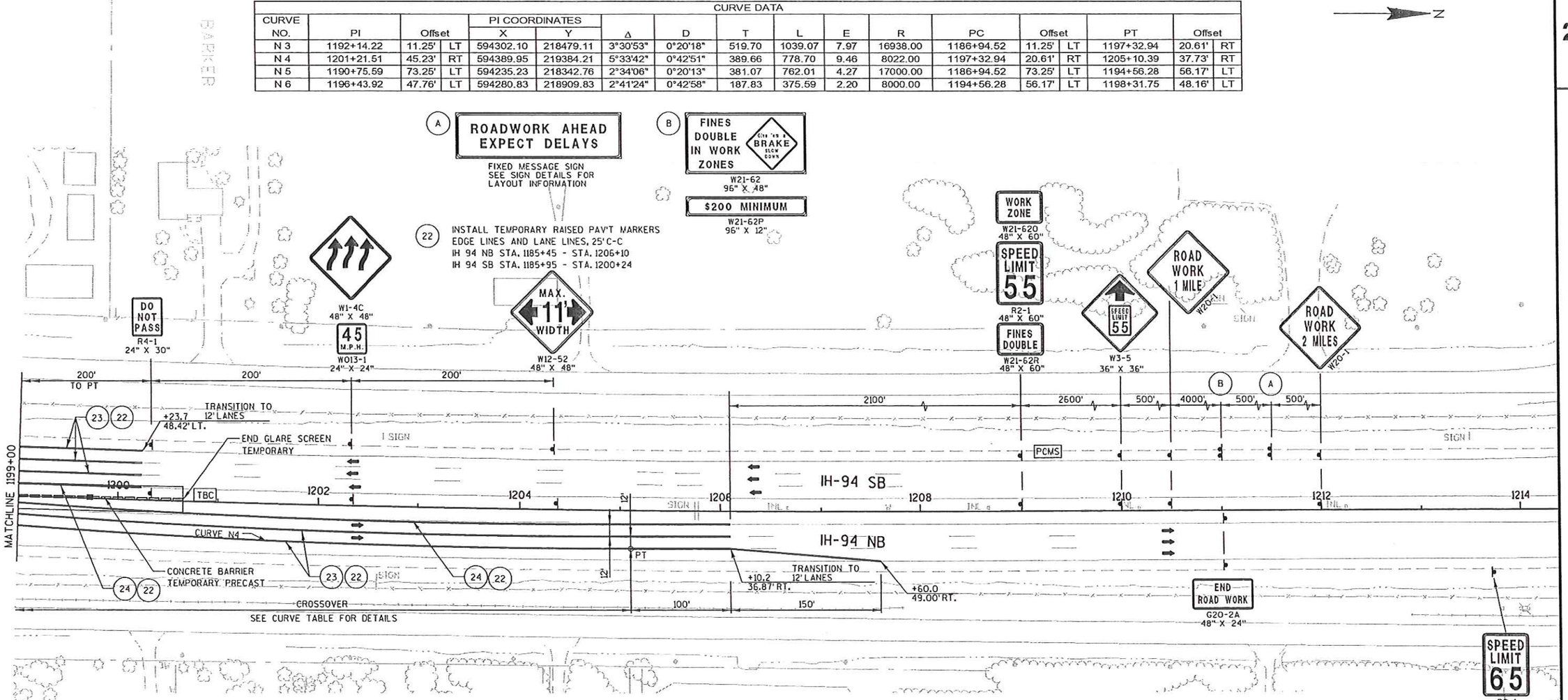
1. PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
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22. TEMPORARY RAISED PAVEMENT MARKERS
23. WET REFLECTIVE TEMP PAV'T MARKING TAPE 4-INCH WHITE
24. WET REFLECTIVE TEMP PAV'T MARKING TAPE 4-INCH YELLOW
P. PERMANENT PAVEMENT MARKING, SEE PAVEMENT MARKING PLAN

12 REVISED 01/07/2010

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 7 CONSTRUCTION	SHEET 133 A E

2

CURVE DATA																	
CURVE NO.	PI	Offset		PI COORDINATES X	PI COORDINATES Y	Δ	D	T	L	E	R	PC	Offset		PT	Offset	
N 3	1192+14.22	11.25'	LT	594302.10	218479.11	3°30'53"	0°20'18"	519.70	1039.07	7.97	16938.00	1186+94.52	11.25'	LT	1197+32.94	20.61'	RT
N 4	1201+21.51	45.23'	RT	594389.95	219384.21	5°33'42"	0°42'51"	389.66	778.70	9.46	8022.00	1197+32.94	20.61'	RT	1205+10.39	37.73'	RT
N 5	1190+75.59	73.25'	LT	594235.23	218342.76	2°34'06"	0°20'13"	381.07	762.01	4.27	17000.00	1186+94.52	73.25'	LT	1194+56.28	56.17'	LT
N 6	1196+43.92	47.76'	LT	594280.83	218909.83	2°41'24"	0°42'58"	187.83	375.59	2.20	8000.00	1194+56.28	56.17'	LT	1198+31.75	48.16'	LT



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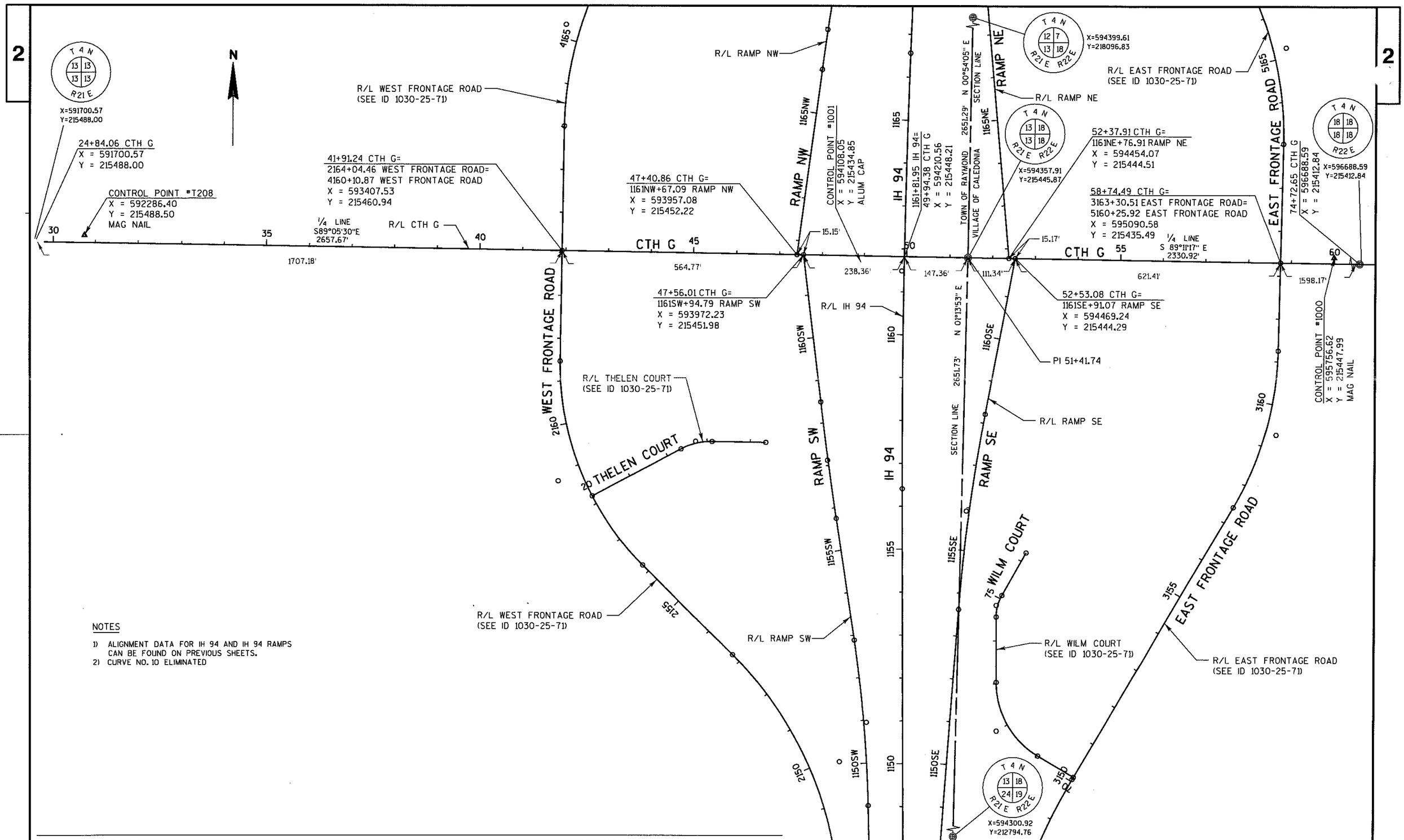
LEGEND

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P. PERMANENT PAVEMENT MARKING, SEE PAVEMENT MARKING PLAN

12 REVISED 01/07/2010

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	STAGE 7 CONSTRUCTION	SHEET 134A E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\Copy of 026717_s7.dgn
PLOT DATE : 11-FEB-2010 14:58 PLOT BY : MSCESG PLOT NAME : PLOT SCALE : 100:1
WISDOT/CADDS SHEET 42



NOTES

1) ALIGNMENT DATA FOR IH 94 AND IH 94 RAMPS CAN BE FOUND ON PREVIOUS SHEETS.
2) CURVE NO. 10 ELIMINATED

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	ALIGNMENT PLAN	SHEET 134	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\027203_ad.dgn PLOT DATE : 28-JAN-2009 13:49 PLOT BY : mscdls PLOT NAME : PLOT SCALE : 200:1
WISDOT/CADDS SHEET 42

RAMP NW

SUPERELEVATION & CROSS SLOPE DATA	STATION	RATE
SUPER EQUALS NORMAL CROWN	1174NW+90	+2.0%
BEGIN FULL SUPER	1175NW+80	+5.4%
END FULL SUPER	1177NW+40	+5.4%
SUPER EQUALS NORMAL CROWN	1178NW+30	+2.0%

RAMP SW

SUPERELEVATION & CROSS SLOPE DATA	STATION	RATE
SUPER EQUALS NORMAL CROWN	1148SW+86	+2.0%
BEGIN FULL SUPER	1149SW+34	+3.9%
END FULL SUPER	1152SW+55	+3.9%
SUPER EQUALS NORMAL CROWN	1153SW+04	+2.0%

RAMP SE

SUPERELEVATION & CROSS SLOPE DATA	STATION	RATE
SUPER EQUALS NORMAL CROWN	1145SE+29	+2.0%
BEGIN FULL SUPER	1145SE+90	+4.3%
END FULL SUPER	1147SE+53	+4.3%
SUPER EQUALS NORMAL CROWN	1148SE+15	+2.0%

RAMP NE

SUPERELEVATION & CROSS SLOPE DATA	STATION	RATE
SUPER EQUALS NORMAL CROWN	1173NE+25	+2.0%
BEGIN FULL SUPER	1173NE+74	+3.9%
END FULL SUPER	1176NE+20	+3.9%
SUPER EQUALS NORMAL CROWN	1176NE+69	+2.0%

NOTES

1) POSITIVE VALUES SLOPE TOWARDS THE REFERENCE LINE

2) NEGATIVE VALUES SLOPE AWAY FROM THE REFERENCE LINE

3) HIGH SIDE SHOULDER SLOPE TRANSITIONS FROM NORMAL (2%) CROSS SLOPE TO FULL SUPER BETWEEN "SUPER EQUALS NORMAL CROWN" AND "BEGIN FULL SUPER"

4) LOW SIDE SHOULDER SLOPE TRANSITIONS FROM NORMAL (4%) CROSS SLOPE TO FULL SUPER WITH TRAVEL LANE IF SUPER ELEVATION IS GREATER THAN 4%

DATE 18MAR09 — E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1030-25-74 QUANTITY
0020	201.0120	CLEARING	ID	60.000	60.000
0040	201.0220	GRUBBING	ID	60.000	60.000
0050	203.0100	REMOVING SMALL PIPE CULVERTS	EACH	7.000	7.000
0090	204.0100	REMOVING PAVEMENT **P**	SY	75,085.000	75,085.000
0100	204.0120	REMOVING ASPHALTIC SURFACE MILLING **P**	SY	44,889.000	44,889.000
0130	204.0170	REMOVING FENCE **P**	LF	1,600.000	1,600.000
0160	204.0210	REMOVING MANHOLES	EACH	1.000	1.000
0170	204.0220	REMOVING INLETS	EACH	16.000	16.000
0180	204.0245	REMOVING STORM SEWER (SIZE) 02. 12-INCH **P**	LF	67.000	67.000
0190	204.0245	REMOVING STORM SEWER (SIZE) 04. 15-INCH **P**	LF	1,448.000	1,448.000
0200	204.0245	REMOVING STORM SEWER (SIZE) 06. 18-INCH **P**	LF	475.000	475.000
0210	204.0245	REMOVING STORM SEWER (SIZE) 08. 30-INCH **P**	LF	44.000	44.000
0220	204.0291.S	ABANDONING SEWER	CY	34.000	34.000
0230	204.9090.S	REMOVING (ITEM DESCRIPTION) 02. CONCRETE BARRIER	LF	6,035.000	6,035.000
0240	205.0100	EXCAVATION COMMON	CY	89,178.000	89,178.000
0300	208.0100	BORROW	CY	1,762.000	1,762.000
0310	209.0200.S	BACKFILL CONTROLLED LOW STRENGTH	CY	112.000	112.000
0350	213.0100	FINISHING ROADWAY (PROJECT) 06. 1030-25-74	EACH	1.000	1.000
0370	305.0110	BASE AGGREGATE DENSE 3/4-INCH	TON	650.000	650.000
0380	305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	56,600.000	56,600.000
0390	311.0110	BREAKER RUN	TON	4,240.000	4,240.000
0400	312.0110	SELECT CRUSHED MATERIAL	TON	72,935.000	72,935.000
0410	315.0100	ASPHALTIC BASE	TON	15,444.000	15,444.000
0420	335.0100	RUBBLIZING **P**	SY	9,600.000	9,600.000
0430	415.0070	CONCRETE PAVEMENT 7-INCH **P**	SY	1,110.000	1,110.000
0450	415.0120	CONCRETE PAVEMENT 12-INCH **P**	SY	83,939.000	83,939.000
0470	415.2000.S	INCENTIVE STRENGTH CONCRETE PAVEMENT	DOL	27,181.000	27,181.000
0520	416.1715	CONCRETE PAVEMENT REPAIR SHES	SY	2,190.000	2,190.000
0530	440.4410.S	INCENTIVE IRI RIDE	DOL	16,000.000	16,000.000
0550	455.0115	ASPHALTIC MATERIAL PG64-22	TON	254.000	254.000
0560	455.0120	ASPHALTIC MATERIAL PG64-28	TON	117.000	117.000
0570	455.0605	TACK COAT	GAL	803.000	803.000
0590	460.1110	HMA PAVEMENT TYPE E-10	TON	5,770.000	5,770.000
0620	465.0125	ASPHALTIC SURFACE TEMPORARY	TON	1,545.000	1,545.000
0640	465.0315	ASPHALTIC FLUMES **P**	SY	84.000	84.000
0650	465.0400	ASPHALTIC SHOULDER RUMBLE STRIP **P**	LF	625.000	625.000
0880	520.4024	CULVERT PIPE TEMPORARY 24-INCH	LF	300.000	300.000
0900	520.8000.S	CULVERT PIPE CONCRETE COLLAR	EACH	5.000	5.000
0970	522.0136	CULVERT PIPE REINFORCED CONCRETE CLASS III 36-INCH	LF	220.000	220.000
0980	522.0148	CULVERT PIPE REINFORCED CONCRETE CLASS III 48-INCH	LF	310.000	310.000
1020	522.1024	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH	EACH	7.000	7.000
1040	522.1036	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 36-INCH	EACH	1.000	1.000
1150	603.0500	CONCRETE BARRIER TEMPORARY PRECAST CONTRACTOR FURNISHED & DELIVERED	LF	19,977.000	19,977.000
1160	603.0801	CONCRETE BARRIER TEMPORARY PRECAST CONTRACTOR INSTALLED	LF	48,536.000	48,536.000

3

DATE 18MAR09 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1030-25-74 QUANTITY
1170	606.0200	RIPRAP MEDIUM	CY	22.000	22.000
1190	608.0412	STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH	LF	94.000	94.000
1200	608.0415	STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH	LF	427.000	427.000
1220	608.0424	STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH	LF	4,754.000	4,754.000
1240	608.0436	STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 36-INCH	LF	365.000	365.000
1250	611.0201	MANHOLES TYPE 1	EACH	43.000	43.000
1260	611.0210	MANHOLES TYPE 3	EACH	13.000	13.000
1270	611.0301	INLETS TYPE 1	EACH	22.000	22.000
1290	611.0307	INLETS TYPE 9	EACH	3.000	3.000
1300	611.0309	INLETS TYPE 10	EACH	2.000	2.000
1310	611.0420	RECONSTRUCTING MANHOLES	EACH	1.000	1.000
1330	611.0530	MANHOLE COVERS TYPE J	EACH	3.000	3.000
1360	611.0642	INLET COVERS TYPE MS	EACH	13.000	13.000
1370	611.0654	INLET COVERS TYPE V	EACH	74.000	74.000
1390	612.0206	PIPE UNDERDRAIN UNPERFORATED 6-INCH	LF	134.000	134.000
1440	612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	12,042.000	12,042.000
1450	612.0600	UNDERDRAIN TRENCH	LF	12,176.000	12,176.000
1470	612.0806	APRON ENDWALLS FOR UNDERDRAIN REINFORCED CONCRETE 6-INCH	EACH	4.000	4.000
1480	614.0115	ANCHORAGES FOR STEEL PLATE BEAM GUARD TYPE 2	EACH	1.000	1.000
1500	614.0200	STEEL THRIE BEAM STRUCTURE APPROACH **P**	LF	42.000	42.000
1510	614.0305	STEEL PLATE BEAM GUARD CLASS A **P**	LF	675.000	675.000
1520	614.0370	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL	EACH	3.000	3.000
1530	614.0620.S	MARKER POSTS CULVERT END FLEXIBLE MANDATORY SUB	EACH	8.000	8.000
1540	614.0905	CRASH CUSHIONS TEMPORARY MANDATORY SUB	EACH	14.000	14.000
1560	619.1000	MOBILIZATION	EACH	0.400	0.400
1590	621.0100	LANDMARK REFERENCE MONUMENTS	EACH	2.000	2.000
1600	623.0200	DUST CONTROL SURFACE TREATMENT	SY	107,719.000	107,719.000
1610	624.0100	WATER	MGAL	106.000	106.000
1620	625.0500	SALVAGED TOPSOIL **P**	SY	39,057.000	39,057.000
1630	627.0200	MULCHING **P** MANDATORY SUB	SY	39,057.000	39,057.000
1640	628.1104	EROSION BALES MANDATORY SUB	EACH	60.000	60.000
1650	628.1504	SILT FENCE MANDATORY SUB	LF	576.000	576.000
1660	628.1520	SILT FENCE MAINTENANCE MANDATORY SUB	LF	288.000	288.000
1670	628.1905	MOBILIZATIONS EROSION CONTROL MANDATORY SUB	EACH	3.000	3.000
1680	628.1910	MOBILIZATIONS EMERGENCY EROSION CONTROL MANDATORY SUB	EACH	3.000	3.000
1690	628.2004	EROSION MAT CLASS I TYPE B MANDATORY SUB	SY	18,210.000	18,210.000
1730	628.7005	INLET PROTECTION TYPE A MANDATORY SUB	EACH	91.000	91.000
1740	628.7010	INLET PROTECTION TYPE B MANDATORY SUB	EACH	89.000	89.000
1750	628.7015	INLET PROTECTION TYPE C MANDATORY SUB	EACH	1.000	1.000
1760	628.7020	INLET PROTECTION TYPE D MANDATORY SUB	EACH	31.000	31.000
1770	628.7504	TEMPORARY DITCH CHECKS MANDATORY SUB	LF	1,688.000	1,688.000
1780	628.7550	CULVERT PIPE DITCH CHECKS MANDATORY SUB	EACH	6.000	6.000
1790	629.0210	FERTILIZER TYPE B **P** MANDATORY SUB	CWT	52.000	52.000

DATE 18MAR09 — E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1030-25-74 QUANTITY
1800	630.0120	SEEDING MIXTURE NO. 20 **P** MANDATORY SUB	LB	1,157.000	1,157.000
1820	630.0200	SEEDING TEMPORARY MANDATORY SUB	LB	578.000	578.000
1850	631.1100	SOD EROSION CONTROL MANDATORY SUB	SY	26.000	26.000
1860	633.0100	DELINEATOR POSTS STEEL MANDATORY SUB	EACH	52.000	52.000
1870	633.0500	DELINEATORS MANDATORY SUB	EACH	78.000	78.000
1910	634.0618	POSTS WOOD 4X6-INCH X 18-FT MANDATORY SUB	EACH	12.000	12.000
1920	635.0200	SIGN SUPPORTS STRUCTURAL STEEL HS MANDATORY SUB	LB	2,530.000	2,530.000
1930	636.0100	SIGN SUPPORTS CONCRETE MASONRY **P** MANDATORY SUB	CY	22.400	22.400
1940	636.0500	SIGN SUPPORTS STEEL REINFORCEMENT MANDATORY SUB	LB	264.000	264.000
1950	636.1000	SIGN SUPPORTS STEEL REINFORCEMENT HS MANDATORY SUB	LB	2,060.000	2,060.000
1960	637.0101	SIGNS TYPE I MANDATORY SUB	SF	2,050.500	2,050.500
1970	637.0202	SIGNS REFLECTIVE TYPE II MANDATORY SUB	SF	439.250	439.250
1980	638.2102	MOVING SIGNS TYPE II MANDATORY SUB	EACH	16.000	16.000
1990	638.2601	REMOVING SIGNS TYPE I MANDATORY SUB	EACH	15.000	15.000
2000	638.2602	REMOVING SIGNS TYPE II MANDATORY SUB	EACH	36.000	36.000
2010	638.3000	REMOVING SMALL SIGN SUPPORTS MANDATORY SUB	EACH	26.000	26.000
2020	638.3100	REMOVING STRUCTURAL STEEL SIGN SUPPORTS MANDATORY SUB	EACH	10.000	10.000
2030	642.5201	FIELD OFFICE TYPE C	EACH	0.400	0.400
2060	643.0100	TRAFFIC CONTROL (PROJECT) 03. 1030-25-74 MANDATORY SUB	EACH	1.000	1.000
2070	643.0300	TRAFFIC CONTROL DRUMS MANDATORY SUB	DAYS	17,328.000	17,328.000
2080	643.0420	TRAFFIC CONTROL BARRICADES TYPE III MANDATORY SUB	DAYS	6,564.000	6,564.000
2090	643.0453	TRAFFIC CONTROL BARRICADES PERMANENT TYPE III MANDATORY SUB	EACH	10.000	10.000
2100	643.0500	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS MANDATORY SUB	EACH	387.000	387.000
2110	643.0600	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER BASES MANDATORY SUB	EACH	387.000	387.000
2120	643.0705	TRAFFIC CONTROL WARNING LIGHTS TYPE A MANDATORY SUB	DAYS	7,282.000	7,282.000
2130	643.0715	TRAFFIC CONTROL WARNING LIGHTS TYPE C MANDATORY SUB	DAYS	11,194.000	11,194.000
2140	643.0800	TRAFFIC CONTROL ARROW BOARDS MANDATORY SUB	DAYS	452.000	452.000
2150	643.0900	TRAFFIC CONTROL SIGNS MANDATORY SUB	DAYS	27,952.000	27,952.000
2160	643.0905.S	TRAFFIC CONTROL COVERING SIGNS MANDATORY SUB	EACH	5.000	5.000
2170	643.1000	TRAFFIC CONTROL SIGNS FIXED MESSAGE MANDATORY SUB	SF	168.000	168.000
2180	643.1050.S	TRAFFIC CONTROL SIGNS PORTABLE CHANGEABLE MESSAGE MANDATORY SUB	DAY	1,917.000	1,917.000
2210	643.2000	TRAFFIC CONTROL DETOUR (PROJECT) 06. 1030-25-74 MANDATORY SUB	EACH	1.000	1.000
2240	645.0111	GEOTEXTILE FABRIC TYPE DF SCHEDULE A **P**	SY	6,690.000	6,690.000
2250	645.0120	GEOTEXTILE FABRIC TYPE HR **P**	SY	67.000	67.000
2260	645.0140	GEOTEXTILE FABRIC TYPE SAS **P**	SY	225.000	225.000

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DATE 18MAR09 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1030-25-74 QUANTITY
2270	646.0103	PAVEMENT MARKING PAINT 4-INCH **P** MANDATORY SUB	LF	64,016.000	64,016.000
2280	646.0106	PAVEMENT MARKING EPOXY 4-INCH **P** MANDATORY SUB	LF	74,568.000	74,568.000
2290	646.0123	PAVEMENT MARKING PAINT 8-INCH **P** MANDATORY SUB	LF	1,000.000	1,000.000
2300	646.0126	PAVEMENT MARKING EPOXY 8-INCH **P** MANDATORY SUB	LF	15,125.000	15,125.000
2310	646.0600	REMOVING PAVEMENT MARKINGS **P** MANDATORY SUB	LF	78,148.000	78,148.000
2390	647.0746	PAVEMENT MARKING DIAGONAL EPOXY 24-INCH **P** MANDATORY SUB	LF	421.000	421.000
2430	649.0400	TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH MANDATORY SUB	LF	11,127.000	11,127.000
2440	649.2100	TEMPORARY RAISED PAVEMENT MARKERS MANDATORY SUB	EACH	989.000	989.000
2920	690.0150	SAWING ASPHALT	LF	280.000	280.000
2930	690.0250	SAWING CONCRETE	LF	5,760.000	5,760.000
2940	ASP.1T0A.10	ON-THE-JOB TRAINING APPRENTICE AT $10.00/HR	HRS	2,400.000	2,400.000
2950	ASP.1T0G.10	ON-THE-JOB TRAINING GRADUATE AT $10.00/HR	HRS	11,400.000	11,400.000
3020	SPV.0060	SPECIAL 01. MARKER POST FLEXIBLE FOR GUARD RAIL TERMINAL MANDATORY SUB	EACH	2.000	2.000
3170	SPV.0060	SPECIAL 20. SLOTTED VANE DRAIN	EACH	21.000	21.000
3200	SPV.0060	SPECIAL 23. TRACKING MAT REPLACEMENT	EACH	62.000	62.000
3230	SPV.0060	SPECIAL 30. CRASH CUSHION TEMPORARY LEFT IN PLACE	EACH	3.000	3.000
3240	SPV.0060	SPECIAL 31. SIGN SUPPORT GALVANIZED POSTS 8.5-FT MANDATORY SUB	EACH	5.000	5.000
3290	SPV.0060	SPECIAL 37. COVER PLATE LEFT IN PLACE	EACH	4.000	4.000
3300	SPV.0060	SPECIAL 39. TEMPORARY THRIE BEAM CONNECTION MANDATORY SUB	EACH	12.000	12.000
3320	SPV.0060	SPECIAL 45. TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER BASES LEFT IN PLACE	EACH	96.000	96.000
3330	SPV.0060	SPECIAL 46. TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS LEFT IN PLACE	EACH	96.000	96.000
3340	SPV.0060	SPECIAL 47. MOBILIZATION EMERGENCY PAVEMENT REPAIR	EACH	6.000	6.000
3400	SPV.0090	SPECIAL 06. CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE	LF	5,789.000	5,789.000
3410	SPV.0090	SPECIAL 07. CONCRETE BARRIER 42-INCH	LF	13,610.000	13,610.000
3420	SPV.0090	SPECIAL 08. CONCRETE BARRIER VERTICAL FACED 42-INCH	LF	368.000	368.000
3440	SPV.0090	SPECIAL 10. TEMPORARY GLARE SCREEN MANDATORY SUB	LF	14,700.000	14,700.000
3460	SPV.0090	SPECIAL 12. WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH MAND SUB	LF	31,873.000	31,873.000
3600	SPV.0105	SPECIAL 04. SURVEY PROJECT 1030-25-74 (MAINLINE)	LS	1.000	1.000
3620	SPV.0105	SPECIAL 08. ERECT SIGN BRIDGE CANTILEVERED S-51-17 MANDATORY SUB	LS	1.000	1.000
3630	SPV.0105	SPECIAL 09. ERECT SIGN BRIDGE CANTILEVERED S-51-18 MANDATORY SUB	LS	1.000	1.000
3710	SPV.0180	SPECIAL 04. REMOVING RUMBLE STRIPS	SY	493.000	493.000

CLEARING AND GRUBBING ITEMS

CATEGORY	LOCATION	OFFSET	201.0120 CLEARING ID	201.0220 GRUBBING ID
100	IH 94 SB	LT	30	30
	IH 94 NB	RT	30	30
		TOTALS	60	60

REMOVING PAVEMENT MARKINGS

CATEGORY	STAGE	STATION	LOCATION	646.0600 REMOVING PAVEMENT MARKINGS LF
6100	4 & 5	1125+00 - 1196+00	IH94 NB	17750
	6	1114+50 - 1211+50	IH94 NB	40690
	7	1116+00 - 1212+00	IH94 SB	19708
			TOTAL	78148

REMOVING CULVERT ITEMS

CATEGORY	ROADWAY	STATION	LOCATION		203.0100 REMOVING SMALL PIPE CULVERTS EA
0100	IH 94				
		1149+32	C/L	30" x 240' CMCP	1
		1150+35	112' LT	15" x 269' CMCP	1
		1157+28	77' LT	18" x 49' CMCP	1
		1158+39	C/L	48" x 249' CMCP	1
		1182+27	C/L	36" x 190' CMCP	1
	RAMP NE				
		1173+69	C/L	18" x 47' CMCP	1
	RAMP NW				
		1173+76	C/L	24" x 45' CMCP	1
		TOTAL			7

REMOVING PAVEMENT ITEMS

CATEGORY	RAODWAY	STATION	STATION	204.0100 REMOVING PAVEMENT SY	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY
0100	IH 94 SB				
		1133+00 -	1188+00	37,468	22,854
	IH 94 NB				
		1133+00 -	1188+00	37,616	22,035
	TOTALS			75,085	44,889

RECONSTRUCTING MANHOLE ITEM

CATEGORY	ROADWAY	STATION	OFFSET	611.0420 EA	COMMENTS
0100	EAST FRONTAGE ROAD SOUTH				
		3148+90	249.07' L1	1	T04
		TOTAL		1	

REMOVING FENCE

CATEGORY	FROM STA	OFFSET	TO STA	204.0170 LF
0100	1133+00	LT	1144+00	1,096
	1178+00	RT	1179+70	90
	1185+50	RT	1188+00	255
	1186+75	LT	1188+00	125
TOTAL				1,600

REMOVING MANHOLES

CATEGORY	ROADWAY	STATION	OFFSET FT	204.0210 EA	NOTE
0100	SE POND				
		1148SE+30	18.0' RT	1	T03
TOTAL				1	

REMOVING INLETS

CATEGORY	ROADWAY	STATION	OFFSET FT	204.0220 EA
0100	IH 94 NB			
		1134+67	2.4' RT	1
		1137+69	2.4' RT	1
		1140+69	2.2' RT	1
		1143+69	2.5' RT	1
		1149+32	3.4' RT	1
		1154+69	3.2' RT	1
		1156+95	76.2 LT	1
		1160+69	2.1' RT	1
		1164+68	8.0' RT	1
		1167+73	8.0' RT	1
		1170+68	9.4' RT	1
		1173+69	7.2' RT	1
		1173+69	68.2' RT	1
		1177+36	3.2' RT	1
		1181+66	2.7' RT	1
		1184+67	2.2' RT	1
TOTAL				16

REMOVING STORM SEWER

CATEGORY	ROADWAY	STATION		STATION	OFFSET	204.0245.02 12-INCH LF	204.0245.04 15-INCH LF	204.0245.06 18-INCH LF	204.0245.08 30-INCH LF
0100	IH 94								
		1134+67	-	1137+69	RT	--	302	--	--
		1137+69			LT	--	--	74	--
		1140+69	-	1143+69	RT	--	300	--	--
		1143+69			RT	--	--	73	--
		1154+69			RT	--	--	76	--
		1160+69			LT	--	--	71	--
		1164+68	-	1167+73	RT	--	305	--	--
		1167+73			RT	--	--	70	--
		1170+68	-	1173+69	RT	--	301	--	--
		1173+69			RT	--	--	111	--
		1177+36	-	1177+42	RT	6	--	--	--
		1181+66	-	1182+27	RT	61	--	--	--
		1182+27	-	1184+67	RT	--	240	--	--
	SE POND								
		1149SE+30	-	1149SE+74	LT	--	--	--	44
TOTAL						67	1448	475	44

REMOVING CONCRETE BARRIER

CATEGORY	ROADWAY	STATION		STATION		204.9090.S LF
0100	IH 94 SB					
		1146+00	-	1152+00	MEDIAN	600
		1161+68	-	1164+35	LEFT EDGE	267
		1177+00	-	1188+00	MEDIAN	1100
	IH 94 NB					
		1133+00	-	1146+00	MEDIAN	1300
		1159+34	-	1162+02	RIGHT EDGE	268
		1152+00	-	1177+00	MEDIAN	2500
TOTAL						6035

ABANDONING SEWER

CATEGORY	ROADWAY	STATION	OFFSET FT	204.0291.S CY
0100	IH 94			
		1146+00 TO 1149+00	LT	34
TOTAL				34

REMOVING RUMBLE STRIPS

CATEGORY	ROADWAY	STATION	STATION	SPV.0180.04 SY
0100	IH 94 NB			
		1133+00	- 1136+00	93
		1142+00	- 1182+00	400
TOTAL				493

FINISHING ROADWAY PROJECT ID 1030-25-74

CATEGORY	STAGE		213.0100 EACH
0100	ALL	PROJECT	1
TOTAL			1

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Division	From/To Station	Location	Common Excavation (1) Cut (2)	(Bid Item # 205.0100) EBS Excavation (3)	Salvaged/ Unusable Pavement Material (4)	Available Material (5)	Reduced EBS in Fill (6) Factor 0.80	Expanded EBS Backfill (7) Factor 1.30	Unexpanded Fill	Estimated Disposal Area Outside 1:1 Slope (8)	Expanded Fill (9) Factor 1.20	Mass Ordinate +/- (10)	Waste	Borrow Bid Item # 208.0100	Comment:
3A	1133+00 TO 1188+00	IH 94 NB WIDENING	3,798	231	570	3,228	185	300	3,968	0	4,762	-1,834	0	1,762	
Division 1 Subtotal			3,798	231	570	3,228	185	300	3,968	0	4,762	-1,834	0	1,762	
4	1133+00 TO 1188+00	IH 94 SB	45,715	0	0	45,715	0	0	12,126	0	14,551	31,164	31,164	0	
	1173+50 TO 1175+00	RAMP NW	66	0	0	66	0	0	286		343	-277	0		
	1152+00 TO 1153+50	RAMP SW	1,236	0	224	1,012	0	0	295		354	657	657	0	
Division 2 Subtotal			47,017	0	224	46,793	0	0	12,707	0	15,249	31,544	31,821	0	(11)
7	1146+00 TO 1180+50	IH 94 NB	37,783	0	4,032	33,751	0	0	10,960	0	13,152	20,599	20,599	0	
	1150+00 TO 1150+50	RAMP SE	141	0	224	-83	0	0	295		354	-438	0	0	
	1172+50 TO 1173+50	RAMP NE	208	0	0	208	0	0	286		343	-135	0	0	
Division 3 Subtotal			38,132	0	4,256	33,876	0	0	11,541	0	13,849	20,026	20,599		
Grand Total			88,947	231	5,050	83,897	185	300	28,217	0	33,860	49,736	52,420	1,762	
		Total Common Exc	89,178												

1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100
2) Salvaged/Unsuable Pavement Material is included in Cut.
3) EBS Excavation to be backfilled with Borrow or Cut. EBS includes 6 inches of excessive topsoil removal in areas where fill is greater than 4 feet.
4) Salvaged/Unusable Pavement Material
5) Available Material = Cut - Salvaged/Unusable Pavement Material
6) Reduced EBS in Fill - Excavated EBS material is usable in Fills outside the 1:1 slope. EBS in Fill Reduction factor = 0.8
7) Expanded EBS Backfill - This is to be filled with Borrow or Cut material. EBS Backfill Factor = 1.3.
8) The estimated area outside the 1:1 fill slopes where excavated EBS or excess topsoil material is placed.
9) Expanded Fill. Factor = 1.20
10) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within t
11) Waste material to be used as borrow material for Project ID 1030-25-72

BASE AGGREGATE ITEMS

CATEGORY	ROADWAY	STATION	STATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	311.0110 BREAKER RUN TON	312.0110 SELECT CRUSHED MATERIAL TON	335.0100 RUBBLIZING SY
0100	IH 94 SB							
		1129+12	- 1137+00	--	3,418	--	--	--
		1137+00	- 1145+00	37	5,023	100	2,059	4,800
		1145+00	- 1188+00	144	18,932	500	31,625	--
		1188+00	- 1196+00	--	1,456	--	--	--
	RAMP SW							
		1151SW+91	- 1153SW+50	27	257	--	--	--
	RAMP NW							
		1173NW+50	- 1174NW+57	16	201	--	--	--
	IH 94 NB							
		1126+08	- 1137+00	--	3,923	--	--	--
		1137+00	- 1145+52	79	5,709	100	1,598	4,800
		1145+52	- 1188+00	300	19,429	500	31,023	--
		1188+00	- 1196+00	--	1,349	--	--	--
	RAMP SE							
		1149SE+97	- 1150SE+50	6	97	--	--	--
	RAMP NE							
		1172NE+50	- 1173NE+63	11	224	--	--	--
	TRACKING MATS			--	--	40	--	--
	UNDISTRIBUTED			30	--	3,000	6,630	--
	TOTALS			650	56,600	4,240	72,935	9,600

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BASE AGGREGATE ITEMS

CATEGORY	ROADWAY	STATION	STATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	311.0110 BREAKER RUN TON	312.0110 SELECT CRUSHED MATERIAL TON	335.0100 RUBBLIZING SY
0100	IH 94 SB							
		1129+12	1137+00	--	3,418	--	--	--
		1137+00	1145+00	37	5,023	100	2,059	4,800
		1145+00	1188+00	144	18,932	500	31,625	--
		1188+00	1196+00	--	1,456	--	--	--
	RAMP SW							
		1151SW+91	1153SW+50	27	257	--	--	--
		1152SW+40	1155SW+15		130			
	RAMP NW							
		1173NW+50	1174NW+57	16	201	--	--	--
	IH 94 NB							
		1126+08	1137+00	--	3,923	--	--	--
		1137+00	1145+52	79	5,709	100	1,598	4,800
		1145+52	1188+00	300	19,429	500	31,023	--
		1188+00	1196+00	--	1,349	--	--	--
	RAMP SE							
		1149SE+97	1150SE+50	6	97	--	--	--
	RAMP NE							
		1172NE+50	1173NE+63	11	224	--	--	--
		1168NE+00	1170NE+75		130			
	TRACKING MATS			--	--	40	--	--
	UNDISTRIBUTED			30	--	3,000	6,630	--
	TOTALS			650	56,860	4,240	72,935	9,600

17. REVISED 6/21/10

FILE NAME : S:\FinalDesign\G\10302374_M\Roads-Stim\cds\030201.ppt PLOT DATE : 6/21/2010 10:58:23 AM PLOT BY : MSCCEJ PLOT NAME : 030201_mq4 PLOT SCALE : 1:1

ASPHALTIC PAVEMENT ITEMS

CATEGORY	ROADWAY	STATION		STATION	315.0100 ASPHALTIC BASE TON	465.0125 ASPHALTIC SURFACE TEMPORARY TON	460.1110 HMA PAVEMENT TYPE E-10 TON	455.0605 TACK COAT GAL	455.0115 ASPHALTIC MATERIAL PG64-22 TON	455.0120 ASPHALTIC MATERIAL PG64-28 TON	465.0315 ASPHALTIC FLUMES SY	465.0400 ASPHALTIC SHOULDER RUMBLE STRIP LF
0100	IH 94 SB											
		1129+12	-	1137+00	--		1,944	225	85	31	--	--
		1125+50	-	1131+75	--	--			--	--	--	625
		1137+00	-	1145+00	1,195	--	--	--	--	--	--	--
		1138+25			--	--	--	--	--	--	9	--
		1145+00	-	1188+00	6,444	--	--	--	--	--	--	--
		1188+00	-	1196+24	--	--	828	96	36	13	--	--
	RAMP SW											
		1149SW+50			--	--	--	--	--	--	21	--
		1151SW+91	-	1153SW+50	82	--	--	--	--	--	--	--
	RAMP NW											
		1173NW+50	-	1174NW+57	55	--	--	--	--	--	--	--
	IH 94 NB											
		1126+08	-	1137+00	--	--	2,231	259	98	36	--	--
		1137+00	-	1174+33	--	1,388	--	121	--	22	--	--
		1182+46	-	1188+00	--	155	--	13	--	2	--	--
		1137+00	-	1145+52	1,182	--	--	--	--	--	12	--
		1145+52	-	1188+00	6,409	--	--	--	--	--	29	--
		1188+00	-	1196+02	--	--	767	89	34	12	--	--
	RAMP SE											
		1149SE+97	-	1150SE+50	27	--	--	--	--	--	--	--
	RAMP NE											
		1172NE+50	-	1173NE+63	50	--	--	--	--	--	--	--
		1182NE+00			--	--	--	--	--	--	13	--
	EMERGENCY PAVEMENT REPAIR				--	2	--	--	--	--	--	--
	TOTALS				15,444	1,545	5,770	803	254	117	84	625

CONCRETE ITEMS

CATEGORY	ROADWAY	STATIONS			415.0070 CONCRETE PAVEMENT 7-INCH SY	415.0120 CONCRETE PAVEMENT 12-INCH SY	415.2000.S INCENTIVE STRENGTH CONCRETE PAVEMENT DOL
0100	IH 94 SB						
		1137+00	-	1145+00	--	6,565	1,969
		1145+00	-	1188+00	--	35,430	10,629
	RAMP SW						
		1151SW+91	-	1153SW+50	410	--	500
	RAMP NW						
		1173NW+50	-	1174NW+57	274	--	500
	IH 94 NB						
		1137+00	-	1145+52	--	6,534	1,960
		1145+52	-	1188+00	--	35,410	10,622
	RAMP SE						
		1149SE+97	-	1150SE+50	136	--	500
	RAMP NE						
		1172NE+50	-	1173NE+63	289	--	500
	TOTALS				1,110	83,939	27,181

CONCRETE PAVEMENT REPAIR

CATEGORY	ROADWAY	416.1715 CONCRETE PAVEMENT REPAIR SHES SY	SPV.0060.47 MOBILIZATION EMERGENCY PAVEMENT REPAIR EACH
0100	EXISTING IH 94 NB CONCRETE SHOULDER	2,190	6
	TOTALS	2,190	6

3

ASPHALTIC PAVEMENT ITEMS

CATEGORY	ROADWAY	STATION	STATION	315.0100 ASPHALTIC BASE TON	465.0125 ASPHALTIC SURFACE TEMPORARY TON	460.1110 HMA PAVEMENT TYPE E-10 TON	455.0605 TACK COAT GAL	455.0115 ASPHALTIC MATERIAL PG64-22 TON	455.0120 ASPHALTIC MATERIAL PG64-28 TON	465.0315 ASPHALTIC FLUMES SY	465.0400 ASPHALTIC SHOULDER RUMBLE STRIP LF
0100	IH 94 SB										
		1129+12	1137+00	--		1,944	225	85	31	--	--
		1125+50	1131+75	--	--			--	--	--	625
		1137+00	1145+00	1,195	--	--	--	--	--	--	--
		1138+25		--	--	--	--	--	--	9	--
		1145+00	1188+00	6,444	--	--	--	--	--	--	--
		1188+00	1196+24	--	--	828	96	36	13	--	--
	RAMP SW										
		1149SW+50		--	--	--	--	--	--	21	--
		1151SW+91	1153SW+50	82	--	--	--	--	--	--	--
	RAMP NW										
		1173NW+50	1174NW+57	55	--	--	--	--	--	--	--
	IH 94 NB										
		1126+08	1137+00	--	--	2,231	259	98	36	--	--
		1137+00	1174+33	--	1,388	--	121	--	22	--	--
		1182+46	1188+00	--	155	--	13	--	2	--	--
		1137+00	1145+52	1,182	--	--	--	--	--	12	--
		1145+52	1188+00	6,409	--	--	--	--	--	29	--
		1188+00	1196+02	--	--	767	89	34	12	--	--
	RAMP SE										
		1149SE+97	1150SE+50	27	--	--	--	--	--	--	--
	RAMP NE										
		1172NE+50	1173NE+63	50	--	--	--	--	--	--	--
		1182NE+00		--	--	--	--	--	--	13	--
	EMERGENCY PAVEMENT REPAIR			--	2	--	--	--	--	--	--
	TOTALS			15,444	1,545	5,770	803	254	117	84	625

CONCRETE ITEMS

CATEGORY	ROADWAY	STATIONS		415.0070 CONCRETE PAVEMENT 7-INCH SY	415.0120 CONCRETE PAVEMENT 12-INCH SY	415.2000.S INCENTIVE STRENGTH CONCRETE PAVEMENT DOL
0100	IH 94 SB					
		1137+00	1145+00	--	6,565	1,969
		1145+00	1188+00	--	35,430	10,629
	RAMP SW					
		1151SW+91	1153SW+50	410	--	500
		1152SW+40	1155SW+15	280		
	RAMP NW					
		1173NW+50	1174NW+57	274	--	500
	IH 94 NB					
		1137+00	1145+52	--	6,534	1,960
		1145+52	1188+00	--	35,410	10,622
	RAMP SE					
		1149SE+97	1150SE+50	136	--	500
	RAMP NE					
		1172NE+50	1173NE+63	289	--	500
		1168NE+00	1170NE+75	278		
	TOTALS			1,110	83,939	27,181
				1168		

CONCRETE PAVEMENT REPAIR

CATEGORY	ROADWAY	416.1715 CONCRETE PAVEMENT REPAIR SHES SY	SPV.0060.47 MOBILIZATION EMERGENCY PAVEMENT REPAIR EACH
0100	EXISTING IH 94 NB CONCRETE SHOULDER	2,190	6
	TOTALS	2,190	6

3

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	MISCELLANEOUS QUANTITIES	SHEET: 144A	E

FILE NAME : S:\FinalDesign\G\10302374_M\Roads-Stm\cds\030201.ppt PLOT DATE : 3/9/2009 10:18:54 AM PLOT BY : MSCCEJ PLOT NAME : 030201_mq5 PLOT SCALE : 1:1

CROSS CULVERT ITEMS

CATEGORY	FROM STATION	STRUCTURE NUMBER	INLET END OFFSET	ELEV	TO STATION	STRUCTURE NUMBER	DISCHARGE END OFFSET	ELEV	SLOPE	522.0136 CULVERT PIPE REINFORCED CONCRETE CLASS III 36-INCH LF	522.0148 CULVERT PIPE REINFORCED CONCRETE CLASS III 48-INCH LF	522.1036 REINFORCED CONCRETE APRON ENDWALLS 36-INCH EACH	520.8000.S CULVERT PIPE CONCRETE COLLAR EACH	CATEGORY 6100 614.0620.S* MARKER POSTS CULVERT END FLEXIBLE EACH
0100	IH 94													
	1157+52	129	108.0' LT	746.94	1158+35	129A	4.3' LT	744.98	1.21%	--	162	--	1	--
	1158+35	129A	4.3' LT	744.98	1159+16	130	108.0' RT	742.60	1.61%	--	148	--	1	--
	1182+27	--	119.7' RT	721.30	#173	--	--	721.26	0.33%	12	--	--	1	--
	#173	--	--	721.26	#173A	--	--	721.20	0.24%	25	--	--	--	--
	#173A	--	--	721.20	1182+27	--	0' LT	721.00	0.24%	83	--	--	1	--
	1182+27	--	.0' RT	721.00	1182+27	--	100.0' LT	720.75	0.25%	100	--	1	1	1
UNDISTRIBUTED														
	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	TOTALS									220	310	1	5	1

NOTES
1) STATION OFFSETS SHOWN ARE TO THE CENTER OF INLET STRUCTURES OR END OF PIPE (NOT THE APRON END OF ENDWALLS).
2) JOINT TIES FOR CONCRETE PIPE SHALL BE PROVIDED AT ALL CONCRETE APRON ENDWALLS. APRON ENDWALLS AND ADJOINING TWO SECTIONS OF CONCRETE PIPE SHALL BE TIED. THE COST OF THESE TIES SHALL BE INCIDENTAL TO THE COST OF THE PIPE.
3) ALL ITEMS ARE CATEGORY 0100 UNLESS NOTED OTHERWISE

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

STORM SEWER CROSSING

CATEGORY	FROM STATION	OFFSET	TO STATION	OFFSET	209.0200.S BACKFILL CONTROLLED LOW STRENGTH CY	COMMENTS
0100	IH 94					
	1149+04	123' LT	1149+73	118' RT	112	STR 200 TO STR T04
	TOTALS				112	

3

PIPE UNDERDRAIN ITEMS

CATEGORY	STATION	LOCATION	STAGE	612.0406 PIPE UNDERDRAIN WRAPPED 6-INCH LF	612.0206 PIPE UNDERDRAIN UNPERFORATED 6-INCH LF	612.0600 UNDERDRAIN TRENCH LF	612.0806 APRON ENDWALLS FOR UNDERDRAIN REINFORCED CONCRETE 6-INCH EACH	645.0111 GEOTEXTILE FABRIC TYPE DF SCHEDULE A SY	COMMENTS
0100	IH 94 SB								
	1133+00 - 1145+50	SB OUTSIDE EDGE	4	1,250	--	1,250	--	694	CONNECT UNDERDRAIN TO SOUTHBOUND OUTSIDE INLETS
	1145+50 - 1149+45	SB OUTSIDE EDGE	4	395	--	395	--	219	CONNECT UNDERDRAIN TO SOUTHBOUND OUTSIDE INLETS
	1151+94 - 1156+00	SB OUTSIDE EDGE	4	406	25	406	1	226	DISCHARGE UNDERDRAIN TO OUTSIDE DITCH
	1161+00 - 1164+00	SB MEDIAN EDGE	4	300	--	300	--	167	CONNECT UNDERDRAIN TO SOUTHBOUND MEDIAN INLET
	1168+50 - 1174+56	SB OUTSIDE EDGE	4	606	42	606	1	337	DISCHARGE UNDERDRAIN TO OUTSIDE RAMP NW DITCH
	1184+00 - 1188+00	SB OUTSIDE EDGE	4	400	--	400	--	222	CONNECT UNDERDRAIN TO SOUTHBOUND OUTSIDE INLETS
	RAMP NW								
	1175+00 - 1184+00	SB OUTSIDE EDGE	4	900	--	900	--	500	CONNECT UNDERDRAIN TO SOUTHBOUND OUTSIDE INLETS
	IH 94 NB								
	1133+00 - 1137+70	NB OUTSIDE EDGE	7	470	--	470	--	261	CONNECT UNDERDRAIN TO NORTHBOUND OUTSIDE INLETS
	1133+00 - 1145+50	NB MEDIAN EDGE	7	1,250	--	1,250	--	694	CONNECT UNDERDRAIN TO NORTHBOUND MEDIAN INLETS
	1145+50 - 1160+00	NB MEDIAN EDGE	7	1,450		1,450	--	806	CONNECT UNDERDRAIN TO NORTHBOUND MEDIAN INLETS
	1149+96 - 1156+00	NB OUTSIDE EDGE	7	604	25	604	1	336	DISCHARGE UNDERDRAIN TO NORTHBOUND OUTSIDE DITCH
	1160+00 - 1175+50	NB MEDIAN EDGE	7	1,550	--	1,550	--	861	CONNECT UNDERDRAIN TO NORTHBOUND MEDIAN INLETS
	1167+50 - 1173+61	NB OUTSIDE EDGE	7	611	42	611	1	339	DISCHARGE UNDERDRAIN TO NORTHBOUND OUTSIDE RAMP NE DITCH
	1175+50 - 1188+00	NB MEDIAN EDGE	7	1,250	--	1,250	--	694	CONNECT UNDERDRAIN TO NORTHBOUND MEDIAN INLETS
	1182+00 - 1188+00	NB OUTSIDE	7	600	--	600	--	333	CONNECT UNDERDRAIN TO NORTHBOUND OUTSIDE INLETS
	TOTALS			12,042	134	12,176	4	6,690	

FILE NAME : S:\FinalDesign\G\10302374_M\Roads-Stim\cds\030201.ppt PLOT DATE : 2/19/2009 4:48:16 PM PLOT BY : MSCCEJ PLOT NAME : 030201_mq7 PLOT SCALE : 1:1

ALL ITEMS ARE CATEGORY 0100 UNLESS NOTED OTHERWISE

STORM SEWER ITEMS

SEE NOTES ON FOLLOWING SHEETS OF STORM SEWER ITEMS

	STRUCTURE NUMBER	STATION	OFFSET FEET	611.0201 MANHOLES TYPE 1 EACH	611.0210 MANHOLES TYPE 3 EACH	611.0301 INLETS TYPE 1 EACH	611.0307 INLETS TYPE 9 EACH	611.0309 INLETS TYPE 10 EACH	611.0530 MANHOLE COVERS TYPE J EACH	611.0642 INLET COVERS TYPE MS EACH	611.0654 INLET COVERS TYPE V EACH	SPV.0060.20 DRAIN SLOTTED VANE SPECIAL EACH	RIM OR FLANGE ELEV	STR DEPTH FT
IH 94 SB	102	1134+00	70.6' LT	1	--	--	--	--	--	--	1	1	779.99	4.42
	103	1134+00	4.3' LT	--	1	--	--	--	--	--	1	--	780.09	4.94
	106	1137+69	86.3' LT	1	--	--	--	--	--	--	1	1	779.44	5.72
	107	1137+69	4.3' LT	--	1	--	--	--	--	--	1	1	779.68	6.37
	109	1140+00	86.3' LT	1	--	--	--	--	--	--	1	1	778.28	5.71
	110	1140+00	4.3' LT	--	1	--	--	--	--	--	1	--	778.52	6.36
	112	1143+00	86.3' LT	1	--	--	--	--	--	--	1	1	776.77	5.70
	113	1143+00	4.3' LT	--	1	--	--	--	--	--	1	1	777.01	6.35
	115	1149+00	86.9' LT	1	--	--	--	--	--	--	1	1	771.96	4.39
	116	1149+00	4.3' LT	1	--	--	--	--	--	--	1	1	772.20	5.04
	116A	1149+30	4.3' LT	--	1	--	--	--	--	--	1	--	771.83	13.92
	117	1146+00	86.3' LT	1	--	--	--	--	--	--	1	1	775.02	5.45
	118	1146+00	4.3' LT	--	1	--	--	--	--	--	1	--	775.26	6.10
	122	1152+00	4.3' LT	1	--	--	--	--	--	--	1	--	767.69	4.78
	124	1155+00	4.3' LT	1	--	--	--	--	--	--	1	--	761.98	3.82
	125	1157+00	10.4' LT	1	--	--	--	--	1	--	--	--	758.30	3.38
	126	1157+00	104.6' LT	--	--	--	--	--	--	--	--	--	N/A	N/A
	128	1158+00	4.3' RT	--	--	1	--	--	--	--	1	--	756.15	4.82
	129A	1158+35	4.3' LT	--	1	--	--	--	--	--	1	--	755.47	9.33
	136	1160+69	4.3' LT	1	--	--	--	--	--	--	1	--	750.95	3.00
	137	1160+69	104.3' LT	--	--	--	--	--	--	--	--	--	N/A	N/A
	146	1164+00	4.3' LT	1	--	--	--	--	--	--	1	--	745.08	4.61
	148	1167+00	4.3' LT	1	--	--	--	--	--	--	1	--	739.92	4.28
	150	1170+00	4.3' LT	1	--	--	--	--	--	--	1	--	735.85	4.38
	152	1173+00	4.3' LT	1	--	--	--	--	--	--	1	1	733.18	4.05
	153	1171+92	10.0' LT	1	--	--	--	--	1	--	--	--	734.19	5.93
	154	1169+00	105.0' LT	--	--	--	1	--	--	2	--	--	732.80	4.34
	155	1171+92	93.0' LT	1	--	--	--	--	--	--	1	--	731.50	3.33
	160	1177+00	4.3' LT	1	--	--	--	--	--	--	1	1	731.10	4.40
	160A	1176+74	85.5' LT	--	--	--	--	--	--	--	1	--	730.54	9.18
	162	1180+50	4.3' LT	1	--	--	--	--	--	--	1	1	729.49	4.59
	165	1181+50	4.3' LT	1	--	--	--	--	--	--	1	--	729.43	4.53
	166	1181+00	4.3' LT	1	--	--	--	--	--	--	1	--	729.43	4.45
	167	1180+50	82.3' LT	1	--	--	--	--	--	--	1	--	729.41	4.90
	168	1181+50	82.3' LT	--	1	--	--	--	--	--	1	--	729.35	4.51
	169	1181+00	82.3' LT	1	--	--	--	--	--	--	1	--	729.35	5.09
	170	1181+00	99.8' LT	--	--	--	--	--	--	--	--	--	N/A	N/A
	178	1184+00	4.3' LT	1	--	--	--	--	--	--	1	1	730.53	4.86
	179	1184+00	81.4' LT	1	--	--	--	--	--	--	1	--	730.47	5.86
	180	1184+00	103.0' LT	--	--	--	--	--	--	--	--	--	N/A	N/A
	184	1187+97	4.3' LT	1	--	--	--	--	--	--	1	--	736.01	5.00
	185	1187+97	74.3' LT	1	--	--	--	--	--	--	1	--	736.01	8.85
	186	1187+97	99.3' LT	--	--	--	--	--	--	--	--	--	N/A	N/A
	187	1187+97	100.8' LT	--	--	--	1	--	--	2	0	--	725.33	2.10
	188	1188+75	101.2' LT	1	--	--	--	--	--	--	--	--	726.82	2.48
	200	1149+04	121.2' LT	--	1	--	--	--	--	--	1	--	764.00	5.92
	706	1133+02	0.0' LT	1	--	--	--	--	--	--	1	--	779.72	3.44
	707	1133+22	0.3' LT	1	--	--	--	--	--	--	1	--	779.74	3.66
	708	1133+42	0.5' LT	--	1	--	--	--	--	--	1	--	779.75	3.87
	709	1133+01	67.5' LT	1	--	--	--	--	--	--	1	--	779.89	3.17
	710	1133+21	67.8' LT	1	--	--	--	--	--	--	1	--	779.89	3.37
	711	1133+41	68.0' LT	1	--	--	--	--	--	--	1	--	779.89	3.57
	804	1198+68	2.3' LT	--	--	--	--	--	--	--	--	--	N/A	N/A
	805	1199+72	1.5' LT	--	--	1	--	--	--	1	--	--	752.98	4.60
SUBTOTAL				33	10	2	2	--	2	5	42	13		

(CONTINUED ON NEXT SHEET)

ALL ITEMS ARE CATEGORY 0100 UNLESS NOTED OTHERWISE

STORM SEWER ITEMS

SEE NOTES ON FOLLOWING SHEETS OF STORM SEWER ITEMS

	STRUCTURE NUMBER	STATION	OFFSET FEET	611.0201 MANHOLES TYPE 1 EACH	611.0210 MANHOLES TYPE 3 EACH	611.0301 INLETS TYPE 1 EACH	611.0307 INLETS TYPE 9 EACH	611.0309 INLETS TYPE 10 EACH	611.0530 MANHOLE COVERS TYPE J EACH	611.0642 INLET COVERS TYPE MS EACH	611.0654 INLET COVERS TYPE V EACH	SPV.0060.20 DRAIN SLOTTED VANE SPECIAL EACH	RIM OR FLANGE ELEV	STR DEPTH FT
IH 94 SB	102	1134+00	70.6' LT	1	--	--	--	--	--	--	1	1	779.99	4.42
	103	1134+00	4.3' LT	--	1	--	--	--	--	--	1	--	780.09	4.94
	106	1137+69	86.3' LT	1	--	--	--	--	--	--	1	1	779.44	5.72
	107	1137+69	4.3' LT	--	1	--	--	--	--	--	1	1	779.68	6.37
	109	1140+00	86.3' LT	1	--	--	--	--	--	--	1	1	778.28	5.71
	110	1140+00	4.3' LT	--	1	--	--	--	--	--	1	--	778.52	6.36
	112	1143+00	86.3' LT	1	--	--	--	--	--	--	1	1	776.77	5.70
	113	1143+00	4.3' LT	--	1	--	--	--	--	--	1	1	777.01	6.35
	115	1149+00	86.9' LT	1	--	--	--	--	--	--	1	1	771.96	4.39
	116	1149+00	4.3' LT	1	--	--	--	--	--	--	1	1	772.20	5.04
	116A	1149+30	4.3' LT	--	1	--	--	--	--	--	1	--	771.83	13.92
	117	1146+00	86.3' LT	1	--	--	--	--	--	--	1	1	775.02	5.45
	118	1146+00	4.3' LT	--	1	--	--	--	--	--	1	--	775.26	6.10
	122	1152+00	4.3' LT	1	--	--	--	--	--	--	1	--	767.69	4.78
	124	1155+00	4.3' LT	1	--	--	--	--	--	--	1	--	761.98	3.82
	125	1157+00	10.4' LT	--	1	--	--	--	1	--	--	--	758.30	3.38
	126	1157+00	104.6' LT	--	--	--	--	--	--	--	--	--	N/A	N/A
	128	1158+00	4.3' RT	1	--	--	--	--	--	--	1	--	756.15	4.82
	129A	1158+35	4.3' LT	--	1	--	--	--	--	--	1	--	755.47	9.33
	136	1160+69	4.3' LT	1	--	--	--	--	--	--	1	--	750.95	3.00
	137	1160+69	104.3' LT	--	--	--	--	--	--	--	--	--	N/A	N/A
	146	1164+00	4.3' LT	1	--	--	--	--	--	--	1	--	745.08	4.61
	148	1167+00	4.3' LT	1	--	--	--	--	--	--	1	--	739.92	4.28
	150	1170+00	4.3' LT	1	--	--	--	--	--	--	1	--	735.85	4.38
	152	1173+00	4.3' LT	1	--	--	--	--	--	--	1	1	733.18	4.05
	153	1171+92	10.0' LT	--	1	--	--	--	1	--	--	--	734.19	5.93
	154	1169+00	105.0' LT	--	--	--	1	--	--	2	--	--	732.80	4.34
	155	1171+92	93.0' LT	1	--	--	--	--	--	--	1	--	731.50	3.33
	160	1177+00	4.3' LT	1	--	--	--	--	--	--	1	1	731.10	4.40
	160A	1176+74	85.5' LT	--	--	--	--	--	--	--	1	--	730.54	9.18
	162	1180+50	4.3' LT	1	--	--	--	--	--	--	1	1	729.49	4.59
	165	1181+50	4.3' LT	1	--	--	--	--	--	--	1	--	729.43	4.53
	166	1181+00	4.3' LT	--	1	--	--	--	--	--	1	--	729.43	4.45
	167	1180+50	82.3' LT	1	--	--	--	--	--	--	1	--	729.41	4.90
	168	1181+50	82.3' LT	--	1	--	--	--	--	--	1	--	729.35	4.51
	169	1181+00	82.3' LT	--	1	--	--	--	--	--	1	--	729.35	5.09
	170	1181+00	99.8' LT	--	--	--	--	--	--	--	--	--	N/A	N/A
	178	1184+00	4.3' LT	1	--	--	--	--	--	--	1	1	730.53	4.86
	179	1184+00	81.4' LT	1	--	--	--	--	--	--	1	--	730.47	5.86
	180	1184+00	103.0' LT	--	--	--	--	--	--	--	--	--	N/A	N/A
	184	1187+97	4.3' LT	1	--	--	--	--	--	--	1	--	736.01	5.00
	185	1187+97	74.3' LT	1	--	--	--	--	--	--	1	--	736.01	11.54
	186	1187+97	160.0' LT	--	--	--	--	--	--	--	--	--	N/A	N/A
	187	1188+75	100.8' LT	--	--	--	1	--	--	2	0	--	725.33	2.10
	188	1187+97	101.2' LT	--	1	--	--	--	--	--	--	--	726.82	2.48
	200	1149+04	121.2' LT	--	1	--	--	--	--	--	1	--	764.00	5.92
	706	1133+02	0.0' LT	1	--	--	--	--	--	--	1	--	779.72	3.44
	707	1133+22	0.3' LT	1	--	--	--	--	--	--	1	--	779.74	3.66
	708	1133+42	0.5' LT	--	1	--	--	--	--	--	1	--	779.75	3.87
	709	1133+01	67.5' LT	1	--	--	--	--	--	--	1	--	779.89	3.17
	710	1133+21	67.8' LT	1	--	--	--	--	--	--	1	--	779.89	3.37
	711	1133+41	68.0' LT	--	1	--	--	--	--	--	1	--	779.89	3.57
	804	1198+68	2.3' LT	--	--	--	--	--	--	--	--	--	N/A	N/A
	805	1199+72	1.5' LT	--	--	1	--	--	--	1	--	--	752.98	4.60
	SUBTOTAL			28	16	1	2	--	2	5	42	13		

2. REVISED 7/10/09

(CONTINUED ON NEXT SHEET)

STORM SEWER (CONTINUED)

ALL ITEMS ARE CATEGORY 0100 UNLESS NOTED OTHERWISE

SEE NOTES ON FOLLOWING SHEETS OF STORM SEWER ITEMS

	STRUCTURE NUMBER	STATION	OFFSET FEET	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0415 15-INCH LF	608.0424 24-INCH LF	608.0436 36-INCH LF	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	CATEGORY 6100 614.0620.S* MARKER POST CULVERT FLEXIBLE END EACH	NOTES
IH 94 SB	102	1134+00	70.6' LT	102	103	774.41	774.00	0.50%	--	--	82	--	--	--	
	103	1134+00	4.3' LT	103	107	774.00	772.15	0.50%	--	--	369	--	--	--	
	106	1137+69	86.3' LT	106	107	772.56	772.15	0.50%	--	--	82	--	--	--	
	107	1137+69	4.3' LT	107	110	772.15	771.00	0.50%	--	--	231	--	--	--	
	109	1140+00	86.3' LT	109	110	771.41	771.00	0.50%	--	--	82	--	--	--	
	110	1140+00	4.3' LT	110	113	771.00	769.50	0.50%	--	--	300	--	--	--	
	112	1143+00	86.3' LT	112	113	769.91	769.50	0.50%	--	--	82	--	--	--	
	113	1143+00	4.3' LT	113	118	769.50	768.00	0.50%	--	--	300	--	--	--	
	115	1149+00	86.9' LT	115	116	766.42	766.00	0.50%	--	--	83	--	--	--	
	116	1149+00	4.3' LT	116	116A	766.00	765.85	0.50%	--	--	30	--	--	--	
	116A	1149+30	4.3' LT	116A	STUB	756.75	756.70	1.00%	--	--	--	5	--	--	STUB FOR CONNECTION IN NB STAGE 7
	117	1146+00	86.3' LT	117	118	768.41	768.00	0.50%	--	--	82	--	--	--	
	118	1146+00	4.3' LT	118	119	768.00	767.95	0.50%	--	--	9	--	--	--	
	122	1152+00	4.3' LT	122	124	761.75	757.25	1.50%	--	--	300	--	--	--	
	124	1155+00	4.3' LT	124	125	757.00	754.00	1.50%	--	--	200	--	--	--	
	125	1157+00	10.4' LT	125	126	753.84	753.42	0.50%	--	--	85	--	--	--	
	126	1157+00	104.6' LT	OUTFALL		753.42	753.38	0.50%	--	--	--	--	1	1	
	128	1158+00	4.3' RT	128	129A	750.18	750.00	0.50%	--	--	35	--	--	--	
	129A	1158+35	4.3' LT	129A	130	744.98	742.60	1.61%	--	--	--	--	--	--	
	136	1160+69	4.3' LT	136	137	746.79	746.36	0.50%	--	--	85	--	--	--	
	137	1160+69	104.3' LT	OUTFALL		746.36	746.33	0.50%	--	--	--	--	1	1	
	146	1164+00	4.3' LT	146	148	738.98	734.48	1.50%	--	--	300	--	--	--	
	148	1167+00	4.3' LT	148	150	734.48	729.98	1.50%	--	--	300	--	--	--	
	150	1170+00	4.3' LT	150	153	729.98	727.10	1.50%	--	--	192	--	--	--	
	152	1173+00	4.3' LT	152	153	727.64	727.10	0.50%	--	--	108	--	--	--	
	153	1171+92	10.0' LT	153	155	727.10	726.68	0.50%	--	--	83	--	--	--	
	154	1169+00	105.0' LT	154	155	728.46	727.00	0.50%	--	292	--	--	--	--	
	155	1171+92	93.0' LT	155	156A	726.68	725.00	2.15%	--	--	--	--	--	--	
	160	1177+00	4.3' LT	160	160A	725.55	725.12	0.50%	--	--	85	--	--	--	
	160A	1176+74	85.5' LT	160A	160B	720.20	720.00	0.50%	--	--	--	--	--	--	
	162	1180+50	4.3' LT	162	166	723.74	723.49	0.50%	--	--	50	--	--	--	
	165	1181+50	4.3' LT	165	166	723.74	723.49	0.50%	--	--	50	--	--	--	
	166	1181+00	4.3' LT	166	169	723.49	723.10	0.50%	--	--	78	--	--	--	
	167	1180+50	82.3' LT	167	169	723.35	723.10	0.50%	--	--	50	--	--	--	
	168	1181+50	82.3' LT	168	169	723.35	723.10	0.50%	--	--	50	--	--	--	
	169	1181+00	82.3' LT	169	170	723.10	723.04	0.50%	--	--	13	--	--	--	
	170	1181+00	99.8' LT	OUTFALL		723.04	723.00	0.50%	--	--	--	--	1	1	
	178	1184+00	4.3' LT	178	179	724.51	724.12	0.50%	--	--	77	--	--	--	
	179	1184+00	81.4' LT	179	180	723.12	723.04	0.50%	--	--	16	--	--	--	
	180	1184+00	103.0' LT	OUTFALL		724.04	724.00	0.50%	--	--	--	--	1	1	
	184	1187+97	4.3' LT	184	185	729.85	729.50	0.50%	--	--	70	--	--	--	
	185	1187+97	74.3' LT	185	186	725.68	725.54	0.50%	--	--	27	--	--	--	
	186	1187+97	99.3' LT	OUTFALL		725.54	725.50	0.50%	--	--	--	--	1	1	
	187	1187+97	100.8' LT	187	188	725.33	723.23	0.50%							
	188	1188+75	101.2' LT	188	186	722.85	720.82	0.50%	--	--	65	--	--	--	
	200	1149+04	121.2' LT	200	116A	757.25	756.75	0.42%	--	--	--	127	--	--	
	706	1133+02	0.0' LT	706	707	774.79	774.69	0.50%	--	--	20	--	--	--	
	707	1133+22	0.3' LT	707	708	774.59	774.49	0.50%	--	--	20	--	--	--	
	708	1133+42	0.5' LT	708	103	774.39	774.29	0.50%	--	--	58	--	--	--	
	709	1133+01	67.5' LT	709	710	775.23	775.13	0.50%	--	--	--	20	--	--	
	710	1133+21	67.8' LT	710	711	775.03	774.93	0.50%	--	--	--	20	--	--	
	711	1133+41	68.0' LT	711	708	774.83	774.49	0.50%	--	--	--	68	--	--	
	804	1198+68	2.3' LT	N/A	N/A	N/A	N/A	N/A	--	--	--	--	--	--	INSTALL COVER PLATE LEFT-IN-PLACE, STAGE 3B
	805	1199+72	1.5' LT	805	804	748.05	7487.95	0.50%			104				CONNECT TO EXISTING PIPE, STAGE 3B
SUBTOTAL									--	292	4,253	240	5	5	

(CONTINUED ON NEXT SHEET)

ALL ITEMS ARE CATEGORY 0100 UNLESS NOTED OTHERWISE

STORM SEWER (CONTINUED)

SEE NOTES ON FOLLOWING SHEETS OF STORM SEWER ITEMS

	STRUCTURE NUMBER	STATION	OFFSET FEET	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0415 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	608.0436 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 36-INCH LF	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	CATEGORY 6100 614.0620.S* MARKER POST CULVERT FLEXIBLE END EACH	NOTES
IH 94 SB	102	1134+00	70.6' LT	102	103	774.41	774.00	0.50%	--	--	82	--	--	--	
	103	1134+00	4.3' LT	103	107	774.00	772.15	0.50%	--	--	369	--	--	--	
	106	1137+69	86.3' LT	106	107	772.56	772.15	0.50%	--	--	82	--	--	--	
	107	1137+69	4.3' LT	107	110	772.15	771.00	0.50%	--	--	231	--	--	--	
	109	1140+00	86.3' LT	109	110	771.41	771.00	0.50%	--	--	82	--	--	--	
	110	1140+00	4.3' LT	110	113	771.00	769.50	0.50%	--	--	300	--	--	--	
	112	1143+00	86.3' LT	112	113	769.91	769.50	0.50%	--	--	82	--	--	--	
	113	1143+00	4.3' LT	113	118	769.50	768.00	0.50%	--	--	300	--	--	--	
	115	1149+00	86.9' LT	115	116	766.42	766.00	0.50%	--	--	83	--	--	--	
	116	1149+00	4.3' LT	116	116A	766.00	765.85	0.50%	--	--	30	--	--	--	
	116A	1149+30	4.3' LT	116A	STUB	756.75	756.70	1.00%	--	--	--	5	--	--	STUB FOR CONNECTION IN NB STAGE 7
	117	1146+00	86.3' LT	117	118	768.41	768.00	0.50%	--	--	82	--	--	--	
	118	1146+00	4.3' LT	118	119	768.00	767.95	0.50%	--	--	9	--	--	--	
	122	1152+00	4.3' LT	122	124	761.75	757.25	1.50%	--	--	300	--	--	--	
	124	1155+00	4.3' LT	124	125	757.00	754.00	1.50%	--	--	200	--	--	--	
	125	1157+00	10.4' LT	125	126	753.84	753.42	0.50%	--	--	85	--	--	--	
	126	1157+00	104.6' LT	OUTFALL		753.42	753.38	0.50%	--	--	--	--	1	1	
	128	1158+00	4.3' RT	128	129A	750.18	750.00	0.50%	--	--	35	--	--	--	
	129A	1158+35	4.3' LT	129A	130	744.98	742.60	1.61%	--	--	--	--	--	--	
	136	1160+69	4.3' LT	136	137	746.79	746.36	0.50%	--	--	85	--	--	--	
	137	1160+69	104.3' LT	OUTFALL		746.36	746.33	0.50%	--	--	--	--	1	1	
	146	1164+00	4.3' LT	146	148	738.98	734.48	1.50%	--	--	300	--	--	--	
	148	1167+00	4.3' LT	148	150	734.48	729.98	1.50%	--	--	300	--	--	--	
	150	1170+00	4.3' LT	150	153	729.98	727.10	1.50%	--	--	192	--	--	--	
	152	1173+00	4.3' LT	152	153	727.64	727.10	0.50%	--	--	108	--	--	--	
	153	1171+92	10.0' LT	153	155	727.10	726.68	0.50%	--	--	83	--	--	--	
	154	1169+00	105.0' LT	154	155	728.46	727.00	0.50%	--	292	--	--	--	--	
	155	1171+92	93.0' LT	155	156A	726.68	725.00	2.15%	--	--	--	--	--	--	
	160	1177+00	4.3' LT	160	160A	725.55	725.12	0.50%	--	--	85	--	--	--	
	160A	1176+74	85.5' LT	160A	160B	720.20	720.00	0.50%	--	--	--	--	--	--	
	162	1180+50	4.3' LT	162	166	723.74	723.49	0.50%	--	--	50	--	--	--	
	165	1181+50	4.3' LT	165	166	723.74	723.49	0.50%	--	--	50	--	--	--	
	166	1181+00	4.3' LT	166	169	723.49	723.10	0.50%	--	--	78	--	--	--	
	167	1180+50	82.3' LT	167	169	723.35	723.10	0.50%	--	--	50	--	--	--	
	168	1181+50	82.3' LT	168	169	723.35	723.10	0.50%	--	--	50	--	--	--	
	169	1181+00	82.3' LT	169	170	723.10	723.04	0.50%	--	--	13	--	--	--	
	170	1181+00	99.8' LT	OUTFALL		723.04	723.00	0.50%	--	--	--	--	1	1	
	178	1184+00	4.3' LT	178	179	724.51	724.12	0.50%	--	--	77	--	--	--	
	179	1184+00	81.4' LT	179	180	723.12	723.04	0.50%	--	--	16	--	--	--	
	180	1184+00	103.0' LT	OUTFALL		724.04	724.00	0.50%	--	--	--	--	1	1	
	184	1187+97	4.3' LT	184	185	729.85	729.50	0.50%	--	--	70	--	--	--	
	185	1187+97	74.3' LT	185	188	722.99	722.85	0.50%	--	--	27	--	--	--	
	186	1187+97	160.0' LT	OUTFALL		722.50	722.46	0.50%	--	--	--	--	1	1	
	187	1188+75	100.8' LT	187	188	725.33	723.23	0.50%			80				SLOPE BOTH GRATES NORTH
	188	1187+97	101.2' LT	188	186	722.85	720.82	0.50%	--	--	65	--	--	--	
	200	1149+04	121.2' LT	200	116A	757.25	756.75	0.42%	--	--	--	127	--	--	
	706	1133+02	0.0' LT	706	707	774.79	774.69	0.50%	--	--	20	--	--	--	
	707	1133+22	0.3' LT	707	708	774.59	774.49	0.50%	--	--	20	--	--	--	
	708	1133+42	0.5' LT	708	103	774.39	774.29	0.50%	--	--	58	--	--	--	
	709	1133+01	67.5' LT	709	710	775.23	775.13	0.50%	--	--	20	--	--	--	
	710	1133+21	67.8' LT	710	711	775.03	774.93	0.50%	--	--	20	--	--	--	
	711	1133+41	68.0' LT	711	708	774.83	774.49	0.50%	--	--	68	--	--	--	
	804	1198+68	2.3' LT	N/A	N/A	N/A	N/A	N/A	--	--	--	--	--	--	INSTALL COVER PLATE LEFT-IN-PLACE, STAGE 3B
	805	1199+72	1.5' LT	805	804	748.05	7487.95	0.50%			104				CONNECT TO EXISTING PIPE, STAGE 3B
SUBTOTAL									--	292	4,441	132	5	5	

2. REVISED 7/10/09

(CONTINUED ON NEXT SHEET)

ALL ITEMS ARE CATEGORY 0100 UNLESS NOTED OTHERWISE

STORM SEWER (CONTINUED)

SEE NOTES ON FOLLOWING SHEETS OF STORM SEWER ITEMS

	STRUCTURE NUMBER	STATION	OFFSET FEET	611.0201 MANHOLES TYPE 1 EACH	611.0210 MANHOLES TYPE 3 EACH	611.0301 INLETS TYPE 1 EACH	611.0307 INLETS TYPE 9 EACH	611.0309 INLETS TYPE 10 EACH	611.0530 MANHOLE COVERS TYPE J EACH	611.0642 INLET COVERS TYPE MS EACH	611.0654 INLET COVERS TYPE V EACH	SPV.0060.20 DRAIN SLOTTED VANE SPECIAL EACH	RIM OR FLANGE ELEV	STR DEPTH FT
IH 94 NB	100	1134+00	74.3' RT	1	--	--	--	--	--	--	1	--	780.16	4.60
	101	1134+00	4.3' RT	1	--	--	--	--	--	--	1	--	779.87	4.67
	104	1137+69	74.3' RT	1	--	--	--	--	--	--	1	1	780.02	6.31
	105	1137+69	4.3' RT	1	--	--	--	--	--	--	1	1	779.68	6.33
	108	1140+00	4.3' RT	--	--	1	--	--	--	--	1	--	778.52	5.57
	111	1143+00	4.3' RT	--	--	1	--	--	--	--	1	1	777.01	5.56
	114	1149+00	4.3' RT	--	--	1	--	--	--	--	1	1	772.20	4.25
	STUB	1149+30	4.3' LT	--	--	--	--	--	--	--	--	--	N/A	N/A
	119	1146+00	4.3' RT	1	--	--	--	--	--	--	1	--	775.26	7.20
	121	1152+00	4.3' RT	--	--	1	--	--	--	--	1	--	767.69	3.99
	123	1155+00	4.3' RT	--	--	1	--	--	--	--	1	--	761.98	3.03
	127	1158+00	4.3' LT	--	--	1	--	--	--	--	1	--	756.15	4.02
	131	1160+00	108.0' RT	--	--	--	1	--	--	2	--	--	747.00	2.00
	135	1160+69	4.3' RT	--	--	1	--	--	--	--	1	--	750.95	2.21
	145	1164+00	4.3' RT	--	--	1	--	--	--	--	1	--	745.08	4.10
	147	1167+00	4.3' RT	--	--	1	--	--	--	--	1	--	739.92	3.11
	149	1170+00	4.3' RT	--	--	1	--	--	--	--	1	--	735.85	3.87
	151	1173+00	4.3' RT	--	--	1	--	--	--	--	1	1	733.18	3.54
	159	1177+00	4.3' RT	--	--	1	--	--	--	--	1	1	731.10	3.27
	161	1180+50	4.3' RT	--	--	1	--	--	--	--	1	1	729.49	3.47
	163	1181+00	4.3' RT	--	--	1	--	--	--	--	1	--	729.43	3.98
	164	1181+50	4.3' RT	--	--	1	--	--	--	--	1	--	729.43	3.40
	171	1182+17	108.0' RT	--	--	--	--	1	--	3	--	--	723.50	2.38
	172	1182+37	108.0' RT	--	--	--	--	1	--	3	--	--	723.50	2.38
	173	1182+27	108.0' RT	--	1	--	--	--	1	--	--	--	727.00	4.54
	173A	1182+27	82.3' RT	--	1	--	--	--	--	--	1	--	725.50	3.08
	175	1184+00	77.4' RT	--	--	1	--	--	--	--	1	--	730.55	3.93
	176	1184+00	102.5' RT	--	--	--	--	--	--	--	--	--	N/A	N/A
	177	1184+00	4.3' RT	--	--	1	--	--	--	--	1	1	730.53	4.82
	181	1188+00	74.3' RT	--	--	1	--	--	--	--	1	--	736.01	5.40
	182	1188+00	96.0' RT	--	--	--	--	--	--	--	--	--	N/A	N/A
	183	1188+00	4.3' RT	--	--	1	--	--	--	--	1	--	736.01	4.96
	700	1133+03	76.1' RT	1	--	--	--	--	--	--	1	--	779.95	4.40
	701	1133+23	75.9' RT	1	--	--	--	--	--	--	1	--	779.94	3.59
	702	1133+43	74.9' RT	1	--	--	--	--	--	--	1	--	779.99	3.84
	703	1133+02	8.1' RT	1	--	--	--	--	--	--	1	--	779.83	3.68
	704	1133+22	7.8' RT	1	--	--	--	--	--	--	1	--	779.82	3.87
	705	1133+42	7.6' RT	--	1	--	--	--	--	--	1	--	779.84	4.09
	800	1122+53	7.9' RT	--	--	1	--	--	--	--	1	--	785.43	4.20
	801	1124+71	8.7' RT	--	--	--	--	--	--	--	--	--	N/A	N/A
	802	1171+70	71.2' RT	--	--	--	--	--	--	--	--	--	N/A	N/A
	803	1173+70	69.7' RT	--	--	--	--	--	--	--	--	--	N/A	N/A
SUBTOTAL				10	3	20	1	2	1	8	32	8		
TOTALS				43	13	22	3	2	3	13	74	21		

(CONTINUED ON NEXT SHEET)

ALL ITEMS ARE CATEGORY 0100 UNLESS NOTED OTHERWISE

STORM SEWER (CONTINUED)

SEE NOTES ON FOLLOWING SHEETS OF STORM SEWER ITEMS

	STRUCTURE NUMBER	STATION	OFFSET FEET	611.0201 MANHOLES TYPE 1 EACH	611.0210 MANHOLES TYPE 3 EACH	611.0301 INLETS TYPE 1 EACH	611.0307 INLETS TYPE 9 EACH	611.0309 INLETS TYPE 10 EACH	611.0530 MANHOLE COVERS TYPE J EACH	611.0642 INLET COVERS TYPE MS EACH	611.0654 INLET COVERS TYPE V EACH	SPV.0060.20 DRAIN SLOTTED VANE SPECIAL EACH	RIM OR FLANGE ELEV	STR DEPTH FT
IH 94 NB	100	1134+00	74.3' RT	1	--	--	--	--	--	--	1	--	780.16	4.60
	101	1134+00	4.3' RT	1	--	--	--	--	--	--	1	--	779.87	4.67
	104	1137+69	74.3' RT	1	--	--	--	--	--	--	1	1	780.02	6.31
	105	1137+69	4.3' RT	1	--	--	--	--	--	--	1	1	779.68	6.33
	108	1140+00	4.3' RT	--	--	1	--	--	--	--	1	--	778.52	5.57
	111	1143+00	4.3' RT	--	--	1	--	--	--	--	1	1	777.01	5.56
	114	1149+00	4.3' RT	--	--	1	--	--	--	--	1	1	772.20	4.25
	STUB	1149+30	4.3' LT	--	--	--	--	--	--	--	--	--	N/A	N/A
	119	1146+00	4.3' RT	1	--	--	--	--	--	--	1	--	775.26	7.20
	121	1152+00	4.3' RT	--	--	1	--	--	--	--	1	--	767.69	3.99
	123	1155+00	4.3' RT	--	--	1	--	--	--	--	1	--	761.98	3.03
	127	1158+00	4.3' LT	--	--	1	--	--	--	--	1	--	756.15	4.02
	131	1160+00	108.0' RT	--	--	--	1	--	--	2	--	--	747.00	2.00
	135	1160+69	4.3' RT	--	--	1	--	--	--	--	1	--	750.95	2.21
	145	1164+00	4.3' RT	--	--	1	--	--	--	--	1	--	745.08	4.10
	147	1167+00	4.3' RT	--	--	1	--	--	--	--	1	--	739.92	3.11
	149	1170+00	4.3' RT	--	--	1	--	--	--	--	1	--	735.85	3.87
	151	1173+00	4.3' RT	--	--	1	--	--	--	--	1	1	733.18	3.54
	159	1177+00	4.3' RT	--	--	1	--	--	--	--	1	1	731.10	3.27
	161	1180+50	4.3' RT	--	--	1	--	--	--	--	1	1	729.49	3.47
	163	1181+00	4.3' RT	--	--	1	--	--	--	--	1	--	729.43	3.98
	164	1181+50	4.3' RT	--	--	1	--	--	--	--	1	--	729.43	3.40
	171	1182+17	108.0' RT	--	--	--	--	1	--	3	--	--	723.50	2.38
	172	1182+37	108.0' RT	--	--	--	--	1	--	3	--	--	723.50	2.38
	173	1182+27	108.0' RT	--	1	--	--	--	1	--	--	--	727.00	4.54
	173A	1182+27	82.3' RT	--	1	--	--	--	--	--	1	--	725.50	3.08
	175	1184+00	77.4' RT	1	--	--	--	--	--	--	1	--	730.55	3.93
	176	1184+00	102.5' RT	--	--	--	--	--	--	--	--	--	N/A	N/A
	177	1184+00	4.3' RT	1	--	--	--	--	--	--	1	1	730.53	4.82
	181	1188+00	74.3' RT	1	--	--	--	--	--	--	1	--	736.01	5.40
	182	1188+00	96.0' RT	--	--	--	--	--	--	--	--	--	N/A	N/A
	183	1188+00	4.3' RT	1	--	--	--	--	--	--	1	--	736.01	4.96
	700	1133+03	76.1' RT	1	--	--	--	--	--	--	1	--	779.95	3.40
	701	1133+23	75.9' RT	1	--	--	--	--	--	--	1	--	779.94	3.59
	702	1133+43	74.9' RT	--	1	--	--	--	--	--	1	--	779.99	3.84
	703	1133+02	8.1' RT	1	--	--	--	--	--	--	1	--	779.83	3.68
	704	1133+22	7.8' RT	1	--	--	--	--	--	--	1	--	779.82	3.87
	705	1133+42	7.6' RT	--	1	--	--	--	--	--	1	--	779.84	4.09
	800	1122+53	7.9' RT	--	--	1	--	--	--	--	1	--	785.43	4.20
	801	1124+71	8.7' RT	--	--	--	--	--	--	--	--	--	N/A	N/A
	802	1171+70	71.2' RT	--	--	--	--	--	--	--	--	--	N/A	N/A
	803	1173+70	69.7' RT	--	--	--	--	--	--	--	--	--	N/A	N/A
	SUBTOTAL			13	4	16	1	2	1	8	32	8		
	TOTALS			41	20	17	3	2	3	13	74	21		

2. REVISED 7/10/09

(CONTINUED ON NEXT SHEET)

STORM SEWER (CONTINUED)

SEE NOTES ON FOLLOWING SHEETS OF STORM SEWER ITEMS

3

STRUCTURE NUMBER	STATION	OFFSET FEET	611.0201 MANHOLES TYPE 1 EACH	611.0210 MANHOLES TYPE 3 EACH	611.0301 INLETS TYPE 1 EACH	611.0307 INLETS TYPE 9 EACH	611.0309 INLETS TYPE 10 EACH	611.0530 MANHOLE COVERS TYPE J EACH	611.0642 INLET COVERS TYPE MS EACH	611.0654 INLET COVERS TYPE V EACH	SPV.0060.20 DRAIN SLOTTED VANE SPECIAL EACH	RIM OR FLANGE ELEV	STR DEPTH FT
IH 94 NB													
100	1134+00	74.3' RT	1	--	--	--	--	--	--	1	--	780.16	4.60
101	1134+00	4.3' RT	1	--	--	--	--	--	--	1	--	779.87	4.67
104	1137+69	74.3' RT	1	--	--	--	--	--	--	1	1	780.02	6.31
105	1137+69	4.3' RT	1	--	--	--	--	--	--	1	1	779.68	6.33
108	1140+00	4.3' RT	--	--	1	--	--	--	--	1	--	778.52	5.57
111	1143+00	4.3' RT	--	--	1	--	--	--	--	1	1	777.01	5.56
114	1149+00	4.3' RT	--	--	1	--	--	--	--	1	1	772.20	4.25
STUB	1149+30	4.3' LT	--	--	--	--	--	--	--	--	--	N/A	N/A
119	1146+00	4.3' RT	1	--	--	--	--	--	--	1	--	775.26	7.20
121	1152+00	4.3' RT	--	--	1	--	--	--	--	1	--	767.69	3.99
123	1155+00	4.3' RT	--	--	1	--	--	--	--	1	--	761.98	3.03
127	1158+00	4.3' LT	--	--	1	--	--	--	--	1	--	756.15	4.02
131	1160+00	108.0' RT	--	--	--	1	--	--	2	--	--	747.00	2.00
135	1160+69	4.3' RT	--	--	1	--	--	--	--	1	--	750.95	2.21
145	1164+00	4.3' RT	--	--	1	--	--	--	--	1	--	745.08	4.10
147	1167+00	4.3' RT	--	--	1	--	--	--	--	1	--	739.92	3.11
149	1170+00	4.3' RT	--	--	1	--	--	--	--	1	--	735.85	3.87
151	1173+00	4.3' RT	--	--	1	--	--	--	--	1	1	733.18	3.54
159	1177+00	4.3' RT	--	--	1	--	--	--	--	1	1	731.10	3.27
161	1180+50	4.3' RT	--	--	1	--	--	--	--	1	1	729.49	3.47
163	1181+00	4.3' RT	--	--	1	--	--	--	--	1	--	729.43	3.98
164	1181+50	4.3' RT	--	--	1	--	--	--	--	1	--	729.43	3.40
171	1182+17	108.0' RT	--	--	--	--	1	--	3	--	--	723.50	2.38
172	1182+37	108.0' RT	--	--	--	--	1	--	3	--	--	723.50	2.38
173	1182+27	108.0' RT	--	1	--	--	--	1	--	--	--	727.00	4.54
173A	1182+27	82.3' RT	--	1	--	--	--	--	--	1	--	725.50	3.08
175	1184+00	77.4' RT	--	--	1	--	--	--	--	1	--	730.55	3.93
176	1184+00	102.5' RT	--	--	--	--	--	--	--	--	--	N/A	N/A
177	1184+00	4.3' RT	--	--	1	--	--	--	--	1	1	730.53	4.82
181	1188+00	74.3' RT	--	--	1	--	--	--	--	1	--	736.01	5.40
182	1188+00	96.0' RT	--	--	--	--	--	--	--	--	--	N/A	N/A
183	1188+00	4.3' RT	--	--	1	--	--	--	--	1	--	736.01	4.96
700	1133+03	76.1' RT	1	--	--	--	--	--	--	1	--	779.95	4.40
701	1133+23	75.9' RT	1	--	--	--	--	--	--	1	--	779.94	3.59
702	1133+43	74.9' RT 74.3'	1	--	--	--	--	--	--	1	--	779.99	3.84
703	1133+02	8.1' RT	1	--	--	--	--	--	--	1	--	779.83	3.68
704	1133+22	7.8' RT	1	--	--	--	--	--	--	1	--	779.82	3.87
705	1133+42	7.6' RT	--	1	--	--	--	--	--	1	--	779.84	4.09
800	1122+53	7.9' RT	--	--	1	--	--	--	--	1	--	785.43	4.20
801	1124+71	8.7' RT	--	--	--	--	--	--	--	--	--	N/A	N/A
802	1171+70	71.2' RT	--	--	--	--	--	--	--	--	--	N/A	N/A
803	1173+70	69.7' RT	--	--	--	--	--	--	--	--	--	N/A	N/A
SUBTOTAL			10	3	20	1	2	1	8	32	8		
TOTALS			43	13	22	3	2	3	13	74	21		

14. REVISED BY L PFEIL 4/21/10

(CONTINUED ON NEXT SHEET)

ALL ITEMS ARE CATEGORY 0100 UNLESS NOTED OTHERWISE

STORM SEWER (CONTINUED)

SEE NOTES ON FOLLOWING SHEETS OF STORM SEWER ITEMS

	STRUCTURE NUMBER	STATION	OFFSET FEET	611.0201 MANHOLES TYPE 1 EACH	611.0210 MANHOLES TYPE 3 EACH	611.0301 INLETS TYPE 1 EACH	611.0307 INLETS TYPE 9 EACH	611.0309 INLETS TYPE 10 EACH	611.0530 MANHOLE COVERS TYPE J EACH	611.0642 INLET COVERS TYPE MS EACH	611.0654 INLET COVERS TYPE V EACH	SPV.0060.20 DRAIN SLOTTED VANE SPECIAL EACH	RIM OR FLANGE ELEV	STR DEPTH FT
IH 94 NB	100	1134+00	74.3' RT	1	--	--	--	--	--	--	1	--	780.16	4.60
	101	1134+00	4.3' RT	1	--	--	--	--	--	--	1	--	779.87	4.67
	104	1137+69	74.3' RT	1	--	--	--	--	--	--	1	1	780.02	6.31
	105	1137+69	4.3' RT	1	--	--	--	--	--	--	1	1	779.68	6.33
	108	1140+00	4.3' RT	--	--	1	--	--	--	--	1	--	778.52	5.57
	111	1143+00	4.3' RT	--	--	1	--	--	--	--	1	1	777.01	5.56
	114	1149+00	4.3' RT	--	--	1	--	--	--	--	1	1	772.20	4.25
	STUB	1149+30	4.3' LT	--	--	--	--	--	--	--	--	--	N/A	N/A
	119	1146+00	4.3' RT	1	--	--	--	--	--	--	1	--	775.26	7.20
	121	1152+00	4.3' RT	--	--	1	--	--	--	--	1	--	767.69	3.99
	123	1155+00	4.3' RT	--	--	1	--	--	--	--	1	--	761.98	3.03
	127	1158+00	4.3' LT	--	--	1	--	--	--	--	1	--	756.15	4.02
	131	1160+00	108.0' RT	--	--	--	1	--	--	2	--	--	747.00 50	2.00
	135	1160+69	4.3' RT	--	--	1	--	--	--	--	1	--	750.95	2.21
	145	1164+00	4.3' RT	--	--	1	--	--	--	--	1	--	745.08	4.10
	147	1167+00	4.3' RT	--	--	1	--	--	--	--	1	--	739.92	3.11
	149	1170+00	4.3' RT	--	--	1	--	--	--	--	1	--	735.85	3.87
	151	1173+00	4.3' RT	--	--	1	--	--	--	--	1	1	733.18	3.54
	159	1177+00	4.3' RT	--	--	1	--	--	--	--	1	1	731.10	3.27
	161	1180+50	4.3' RT	--	--	1	--	--	--	--	1	1	729.49	3.47
	163	1181+00	4.3' RT	--	--	1	--	--	--	--	1	--	729.43	3.98
	164	1181+50	4.3' RT	--	--	1	--	--	--	--	1	--	729.43	3.40
	171	1182+17	108.0' RT	--	--	--	--	1	--	3	--	--	723.50	2.38
	172	1182+37	108.0' RT	--	--	--	--	~~1~~	--	~~3~~	--	--	723.50 16	~~2.38~~ N/A
	173	1182+27	108.0' RT	--	1	--	--	--	1	--	--	--	727.00	4.54
	173A	1182+27	82.3' RT	--	1	--	--	--	--	--	1	--	725.50	3.08
	175	1184+00	77.4' RT	1	--	--	--	--	--	--	1	--	730.55	3.93
	176	1184+00	102.5' RT	--	--	--	--	--	--	--	--	--	N/A	N/A
	177	1184+00	4.3' RT	1	--	--	--	--	--	--	1	1	730.53	4.82
	181	1188+00	74.3' RT	1	--	--	--	--	--	--	1	--	736.01	5.40
	182	1188+00	96.0' RT	--	--	--	--	--	--	--	--	--	N/A	N/A
	183	1188+00	4.3' RT	1	--	--	--	--	--	--	1	--	736.01	4.96
	700	1133+03	76.1' RT	1	--	--	--	--	--	--	1	--	779.95	3.40
	701	1133+23	75.9' RT	1	--	--	--	--	--	--	1	--	779.94	3.59
	702	1133+43	74.9' RT	--	1	--	--	--	--	--	1	--	779.99	3.84
	703	1133+02	8.1' RT	1	--	--	--	--	--	--	1	--	779.83	3.68
	704	1133+22	7.8' RT	1	--	--	--	--	--	--	1	--	779.82	3.87
	705	1133+42	7.6' RT	--	1	--	--	--	--	--	1	--	779.84	4.09
	800	1122+53	7.9' RT	--	--	1	--	--	--	--	1	--	785.43	4.20
	801	1124+71	8.7' RT	--	--	--	--	--	--	--	--	--	N/A	N/A
	802	1171+70	71.2' RT	--	--	--	--	--	--	--	--	--	N/A	N/A
	803	1173+70	69.7' RT	--	--	--	--	--	--	--	--	--	N/A	N/A
	SUBTOTAL			13	4	16	1	2	1	8	32	8		
	TOTALS			41	20	17	3	~~2~~ 3	3	~~13~~ 16	74	21		
15.	130A			-	-	-	+	1		3	-	-	748.00	2.38

12. REVISED 7/10/09
15. REVISED 5/04/10

(CONTINUED ON NEXT SHEET)

STORM SEWER (CONTINUED)

ALL ITEMS ARE CATEGORY 0100 UNLESS NOTED OTHERWISE

	STRUCTURE NUMBER	STATION	OFFSET FEET	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0415 15-INCH LF	608.0424 24-INCH LF	608.0436 36-INCH LF	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	CATEGORY 6100 614.0620.S* MARKER POST CULVERT FLEXIBLE END EACH	NOTES
IH 94 NB	100	1134+00	74.3' RT	100	101	774.40	774.05	0.50%	--	--	70	--	--	--	
	101	1134+00	4.3' RT	101	103	774.05	774.00	0.50%	--	--	9	--	--	--	
	104	1137+69	74.3' RT	104	105	772.55	772.20	0.50%	--	--	70	--	--	--	
	105	1137+69	4.3' RT	105	107	772.20	772.15	0.50%	--	--	9	--	--	--	
	108	1140+00	4.3' RT	108	110	771.80	771.75	0.50%	--	9	--	--	--	--	
	111	1143+00	4.3' RT	111	113	770.30	770.25	0.50%	--	9	--	--	--	--	
	114	1149+00	4.3' RT	114	116	766.80	766.75	0.50%	--	9	--	--	--	--	
	STUB	1149+30	4.3' LT	STUB	T04	756.70	755.45	1.00%	--	--	--	125	--	--	CONNECT TO STUB, REMOVE T03
	119	1146+00	4.3' RT	119	120	766.90	763.50	2.50%	--	--	136	--	--	--	
	121	1152+00	4.3' RT	121	122	762.55	762.50	0.50%	--	9	--	--	--	--	
	123	1155+00	4.3' RT	123	124	757.80	757.75	0.50%	--	9	--	--	--	--	
	127	1158+00	4.3' LT	127	128	750.98	750.93	0.50%	--	9	--	--	--	--	
	131	1160+00	108.0' RT	131	130	745.00	744.79	0.30%	70	--	--	--	--	--	
	135	1160+69	4.3' RT	135	136	747.59	747.54	0.50%	--	9	--	--	--	--	
	145	1164+00	4.3' RT	145	146	739.82	739.73	1.00%	--	9	--	--	--	--	
	147	1167+00	4.3' RT	147	148	735.32	735.23	1.00%	--	9	--	--	--	--	
	149	1170+00	4.3' RT	149	150	730.82	730.73	1.00%	--	9	--	--	--	--	
	151	1173+00	4.3' RT	151	152	728.48	728.39	1.00%	--	9	--	--	--	--	
	159	1177+00	4.3' RT	159	160	726.35	726.30	0.50%	--	9	--	--	--	--	
	161	1180+50	4.3' RT	161	162	724.54	724.49	0.50%	--	9	--	--	--	--	
	163	1181+00	4.3' RT	163	166	724.29	724.24	0.50%	--	9	--	--	--	--	
	164	1181+50	4.3' RT	167	168	724.54	724.49	0.50%	--	9	--	--	--	--	
	171	1182+17	108.0' RT	171	173	723.06	723.00	0.50%	12	--	--	--	--	--	
	172	1182+37	108.0' RT	172	173	723.06	723.00	0.50%	12	--	--	--	--	--	
	173	1182+27	108.0' RT	173	173A	721.30	721.26	0.15%	--	--	--	--	--	--	
	173A	1182+27	82.3' RT	173A	OUTFALL	721.26	721.00	0.15%	--	--	--	--	--	--	
	175	1184+00	77.4' RT	175	176	725.13	725.04	0.50%	--	--	18	--	--	--	
	176	1184+00	102.5' RT	OUTFALL		725.04	725.00	0.50%	--	--	--	--	1	1	
	177	1184+00	4.3' RT	177	178	724.56	724.51	0.50%	--	--	9	--	--	--	
	181	1188+00	74.3' RT	181	182	729.12	729.04	0.50%	--	--	15	--	--	--	
	182	1188+00	96.0' RT	OUTFALL		729.04	729.00	0.50%	--	--	--	--	1	1	
	183	1188+00	4.3' RT	183	184	729.90	729.85	0.50%	--	--	9	--	--	--	
	700	1133+03	76.1' RT	700	701	774.39	774.29	0.50%	--	--	20	--	--	--	
	701	1133+23	75.9' RT	701	702	775.19	775.09	0.50%	--	--	20	--	--	--	
	702	1133+43	74.9' RT	702	705	774.99	774.89	0.50%	--	--	66	--	--	--	
	703	1133+02	8.1' RT	703	704	774.99	774.89	0.50%	--	--	20	--	--	--	
	704	1133+22	7.8' RT	704	705	774.79	774.69	0.50%	--	--	20	--	--	--	
	705	1133+42	7.6' RT	705	708	774.59	774.49	0.50%	--	--	10	--	--	--	
	800	1122+53	7.9' RT	N/A	N/A	780.90	780.89	N/A	--	--	--	--	--	--	CONNECT TO EXISTING PIPE, STAGE 3B
	801	1124+71	8.7' RT	N/A	N/A	N/A	N/A	N/A	--	--	--	--	--	--	INSTALL COVER PLATE LEFT-IN-PLACE, STAGE 3B
	802	1171+70	71.2' RT	N/A	N/A	N/A	N/A	N/A	--	--	--	--	--	--	INSTALL COVER PLATE LEFT-IN-PLACE, STAGE 3A
	803	1173+70	69.7' RT	N/A	N/A	N/A	N/A	N/A	--	--	--	--	--	--	INSTALL COVER PLATE LEFT-IN-PLACE, STAGE 3A
SUBTOTAL									94	135	501	125	2	2	
TOTALS									94	427	4,754	365	7	7	

NOTES

1) JOINT TIES FOR CONCRETE PIPE SHALL BE PROVIDED AT ALL CONCRETE APRON ENDWALLS. APRON ENDWALLS AND ADJOINING TWO SECTIONS OF CONCRETE PIPE SHALL BE TIED. THE COST OF THESE TIES SHALL BE INCIDENTAL TO THE COST OF THE PIPE.
2) STATIONS AND OFFSETS ARE TO THE CENTER OF STRUCTURES OR TO THE APRON END OF ENDWALLS.
3) PIPE LENGTHS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.
4) RIM ELEVATIONS ARE GIVEN AT THE FLANGE LINE
5) STRUCTURE DEPTH = RIM ELEVATION MINUS LOWEST INVERT MINUS CASTING HEIGHT MINUS ADJUSTMENT RING
   CASTING HEIGHT = 0.83 FT FOR TYPE V AND B COVERS; 0 FT FOR TYPE MS COVERS;
   0.75 FT FOR TYPE J COVERS
   ADJUSTMENT (RINGS) = 0.33 FT FOR V COVERS; 0 FT FOR TYPE MS COVERS

STORM SEWER (CONTINUED)

ALL ITEMS ARE CATEGORY 0100 UNLESS NOTED OTHERWISE

	STRUCTURE NUMBER	STATION	OFFSET FEET	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0415 15-INCH LF	608.0424 24-INCH LF	608.0436 36-INCH LF	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	CATEGORY 6100 614.0620.S* MARKER POST CULVERT FLEXIBLE END EACH	NOTES
IH 94 NB	100	1134+00	74.3' RT	100	101	774.40	774.05	0.50%	--	--	70	--	--	--	
	101	1134+00	4.3' RT	101	103	774.05	774.00	0.50%	--	--	9	--	--	--	
	104	1137+69	74.3' RT	104	105	772.55	772.20	0.50%	--	--	70	--	--	--	
	105	1137+69	4.3' RT	105	107	772.20	772.15	0.50%	--	--	9	--	--	--	
	108	1140+00	4.3' RT	108	110	771.80	771.75	0.50%	--	9	--	--	--	--	
	111	1143+00	4.3' RT	111	113	770.30	770.25	0.50%	--	9	--	--	--	--	
	114	1149+00	4.3' RT	114	116	766.80	766.75	0.50%	--	9	--	--	--	--	
	STUB	1149+30	4.3' LT	STUB	T04	756.70	755.45	1.00%	--	--	--	125	--	--	CONNECT TO STUB, REMOVE T03
	119	1146+00	4.3' RT	119	120	766.90	763.50	2.50%	--	--	136	--	--	--	
	121	1152+00	4.3' RT	121	122	762.55	762.50	0.50%	--	9	--	--	--	--	
	123	1155+00	4.3' RT	123	124	757.80	757.75	0.50%	--	9	--	--	--	--	
	127	1158+00	4.3' LT	127	128	750.98	750.93	0.50%	--	9	--	--	--	--	
	131	1160+00	108.0' RT	131	130	745.00	744.79	0.30%	70	--	--	--	--	--	
	135	1160+69	4.3' RT	135	136	747.59	747.54	0.50%	--	9	--	--	--	--	
	145	1164+00	4.3' RT	145	146	739.82	739.73	1.00%	--	9	--	--	--	--	
	147	1167+00	4.3' RT	147	148	735.32	735.23	1.00%	--	9	--	--	--	--	
	149	1170+00	4.3' RT	149	150	730.82	730.73	1.00%	--	9	--	--	--	--	
	151	1173+00	4.3' RT	151	152	728.48	728.39	1.00%	--	9	--	--	--	--	
	159	1177+00	4.3' RT	159	160	726.35	726.30	0.50%	--	9	--	--	--	--	
	161	1180+50	4.3' RT	161	162	724.54	724.49	0.50%	--	9	--	--	--	--	
	163	1181+00	4.3' RT	163	166	724.29	724.24	0.50%	--	9	--	--	--	--	
	164	1181+50	4.3' RT	167	168	724.54	724.49	0.50%	--	9	--	--	--	--	
	171	1182+17	108.0' RT	171	173	723.06	723.00	0.50%	12	--	--	--	--	--	
	172	1182+37	108.0' RT	172	173	723.06	723.00	0.50%	12	--	--	--	--	--	
	173	1182+27	108.0' RT	173	173A	721.30	721.26	0.15%	--	--	--	--	--	--	
	173A	1182+27	82.3' RT	173A	OUTFALL	721.26	721.00	0.15%	--	--	--	--	--	--	
	175	1184+00	77.4' RT	175	176	725.13	725.04	0.50%	--	--	18	--	--	--	
	176	1184+00	102.5' RT	OUTFALL		725.04	725.00	0.50%	--	--	--	--	1	1	
	177	1184+00	4.3' RT	177	178	724.56	724.51	0.50%	--	--	9	--	--	--	
	181	1188+00	74.3' RT	181	182	729.12	729.04	0.50%	--	--	15	--	--	--	
	182	1188+00	96.0' RT	OUTFALL		729.04	729.00	0.50%	--	--	--	--	1	1	
	183	1188+00	4.3' RT	183	184	729.90	729.85	0.50%	--	--	9	--	--	--	
	700	1133+03	76.1' RT	700	701	775.39	775.29	0.50%	--	--	20	--	--	--	
	701	1133+23	75.9' RT	701	702	775.19	775.09	0.50%	--	--	20	--	--	--	
	702	1133+43	74.9' RT	702	705	774.99	774.89	0.50%	--	--	66	--	--	--	
	703	1133+02	8.1' RT	703	704	774.99	774.89	0.50%	--	--	20	--	--	--	
	704	1133+22	7.8' RT	704	705	774.79	774.69	0.50%	--	--	20	--	--	--	
	705	1133+42	7.6' RT	705	708	774.59	774.49	0.50%	--	--	10	--	--	--	
	800	1122+53	7.9' RT	N/A	N/A	780.90	780.89	N/A	--	--	--	--	--	--	CONNECT TO EXISTING PIPE, STAGE 3B
	801	1124+71	8.7' RT	N/A	N/A	N/A	N/A	N/A	--	--	--	--	--	--	INSTALL COVER PLATE LEFT-IN-PLACE, STAGE 3B
	802	1171+70	71.2' RT	N/A	N/A	N/A	N/A	N/A	--	--	--	--	--	--	INSTALL COVER PLATE LEFT-IN-PLACE, STAGE 3A
	803	1173+70	69.7' RT	N/A	N/A	N/A	N/A	N/A	--	--	--	--	--	--	INSTALL COVER PLATE LEFT-IN-PLACE, STAGE 3A
SUBTOTAL									94	135	501	125	2	2	
TOTALS									94	427	4,942	257	7	7	

NOTES

1) JOINT TIES FOR CONCRETE PIPE SHALL BE PROVIDED AT ALL CONCRETE APRON ENDWALLS. APRON ENDWALLS AND ADJOINING TWO SECTIONS OF CONCRETE PIPE SHALL BE TIED. THE COST OF THESE TIES SHALL BE INCIDENTAL TO THE COST OF THE PIPE.
2) STATIONS AND OFFSETS ARE TO THE CENTER OF STRUCTURES OR TO THE APRON END OF ENDWALLS.
3) PIPE LENGTHS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.
4) RIM ELEVATIONS ARE GIVEN AT THE FLANGE LINE
5) STRUCTURE DEPTH = RIM ELEVATION MINUS LOWEST INVERT MINUS CASTING HEIGHT MINUS ADJUSTMENT RING
   CASTING HEIGHT = 0.83 FT FOR TYPE V AND B COVERS; 0 FT FOR TYPE MS COVERS;
   0.75 FT FOR TYPE J COVERS
   ADJUSTMENT (RINGS) = 0.33 FT FOR V COVERS; 0 FT FOR TYPE MS COVERS

2. REVISED 7/10/09

ALL ITEMS ARE CATEGORY 0100 UNLESS NOTED OTHERWISE

STORM SEWER (CONTINUED)

STRUCTURE NUMBER	STATION	OFFSET FEET	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0415 15-INCH LF	608.0424 24-INCH LF	608.0436 36-INCH LF	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	CATEGORY 6100 614.0620.S* MARKER POST CULVERT FLEXIBLE END EACH	NOTES
IH 94 NB														
100	1134+00	74.3' RT	100	101	774.40	774.05	0.50%	--	--	70	--	--	--	
101	1134+00	4.3' RT	101	103	774.05	774.00	0.50%	--	--	9	--	--	--	
104	1137+69	74.3' RT	104	105	772.55	772.20	0.50%	--	--	70	--	--	--	
105	1137+69	4.3' RT	105	107	772.20	772.15	0.50%	--	--	9	--	--	--	
108	1140+00	4.3' RT	108	110	771.80	771.75	0.50%	--	9	--	--	--	--	
111	1143+00	4.3' RT	111	113	770.30	770.25	0.50%	--	9	--	--	--	--	
114	1149+00	4.3' RT	114	116	766.80	766.75	0.50%	--	9	--	--	--	--	
STUB	1149+30	4.3' LT	STUB	T04	756.70	755.45	1.00%	--	--	--	125	--	--	CONNECT TO STUB, REMOVE T03
119	1146+00	4.3' RT	119	120	766.90	763.50	2.50%	--	--	136	--	--	--	
121	1152+00	4.3' RT	121	122	762.55	762.50	0.50%	--	9	--	--	--	--	
123	1155+00	4.3' RT	123	124	757.80	757.75	0.50%	--	9	--	--	--	--	
127	1158+00	4.3' LT	127	128	750.98	750.93	0.50%	--	9	--	--	--	--	
131	1160+00	108.0' RT	131	130	745.00	744.79	0.30%	70	--	--	--	--	--	
135	1160+69	4.3' RT	135	136	747.59	747.54	0.50%	--	9	--	--	--	--	
145	1164+00	4.3' RT	145	146	739.82	739.73	1.00%	--	9	--	--	--	--	
147	1167+00	4.3' RT	147	148	735.32	735.23	1.00%	--	9	--	--	--	--	
149	1170+00	4.3' RT	149	150	730.82	730.73	1.00%	--	9	--	--	--	--	
151	1173+00	4.3' RT	151	152	728.48	728.39	1.00%	--	9	--	--	--	--	
159	1177+00	4.3' RT	159	160	726.35	726.30	0.50%	--	9	--	--	--	--	
161	1180+50	4.3' RT	161	162	724.54	724.49	0.50%	--	9	--	--	--	--	
163	1181+00	4.3' RT	163	166	724.29	724.24	0.50%	--	9	--	--	--	--	
164	1181+50	4.3' RT	167	168	724.54	724.49	0.50%	--	9	--	--	--	--	
171	1182+17	108.0' RT	171	173	723.06	723.00	0.50%	12	--	--	--	--	--	
172	1182+37	108.0' RT	172	173	723.06	723.00	0.50%	12	--	--	--	--	--	
173	1182+27	108.0' RT	173	173A	721.30	721.26	0.15%	--	--	--	--	--	--	
173A	1182+27	82.3' RT	173A	OUTFALL	721.26	721.00	0.15%	--	--	--	--	--	--	
175	1184+00	77.4' RT	175	176	725.13	725.04	0.50%	--	--	18	--	--	--	
176	1184+00	102.5' RT	OUTFALL		725.04	725.00	0.50%	--	--	--	--	1	1	
177	1184+00	4.3' RT	177	178	724.56	724.51	0.50%	--	--	9	--	--	--	
181	1188+00	74.3' RT	181	182	729.12	729.04	0.50%	--	--	15	--	--	--	
182	1188+00	96.0' RT	OUTFALL		729.04	729.00	0.50%	--	--	--	--	1	1	
183	1188+00	4.3' RT	183	184	729.90	729.85	0.50%	--	--	9	--	--	--	
700	1133+03	76.1' RT	700	701	774.39	774.29	0.50%	--	--	20	--	--	--	
701	1133+23	75.9' RT	701	702	775.19	775.09	0.50%	--	--	20	--	--	--	
702	1133+43	74.9' RT	702	705	774.99	774.89	0.50%	--	--	66	--	--	--	
703	1133+02	8.1' RT	703	704	774.99	774.89	0.50%	--	--	20	--	--	--	
704	1133+22	7.8' RT	704	705	774.79	774.69	0.50%	--	--	20	--	--	--	
705	1133+42	7.6' RT	705	708	774.59	774.49	0.50%	--	--	10	--	--	--	
800	1122+53	7.9' RT	N/A	N/A	780.90	780.89	N/A	--	--	--	--	--	--	CONNECT TO EXISTING PIPE, STAGE 3B
801	1124+71	8.7' RT	N/A	N/A	N/A	N/A	N/A	--	--	--	--	--	--	INSTALL COVER PLATE LEFT-IN-PLACE, STAGE 3B
802	1171+70	71.2' RT	N/A	N/A	N/A	N/A	N/A	--	--	--	--	--	--	INSTALL COVER PLATE LEFT-IN-PLACE, STAGE 3A
803	1173+70	69.7' RT	N/A	N/A	N/A	N/A	N/A	--	--	--	--	--	--	INSTALL COVER PLATE LEFT-IN-PLACE, STAGE 3A
SUBTOTAL								94	135	501	125	2	2	
TOTALS								94	427	4,754	365	7	7	

NOTES

1) JOINT TIES FOR CONCRETE PIPE SHALL BE PROVIDED AT ALL CONCRETE APRON ENDWALLS. APRON ENDWALLS AND ADJOINING TWO SECTIONS OF CONCRETE PIPE SHALL BE TIED. THE COST OF THESE TIES SHALL BE INCIDENTAL TO THE COST OF THE PIPE.
2) STATIONS AND OFFSETS ARE TO THE CENTER OF STRUCTURES OR TO THE APRON END OF ENDWALLS.
3) PIPE LENGTHS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.
4) RIM ELEVATIONS ARE GIVEN AT THE FLANGE LINE
5) STRUCTURE DEPTH = RIM ELEVATION MINUS LOWEST INVERT MINUS CASTING HEIGHT MINUS ADJUSTMENT RING
   CASTING HEIGHT = 0.83 FT FOR TYPE V AND B COVERS; 0 FT FOR TYPE MS COVERS;
   0.75 FT FOR TYPE J COVERS
   ADJUSTMENT (RINGS) = 0.33 FT FOR V COVERS; 0 FT FOR TYPE MS COVERS

14 REVISED BY L PREIL 4/21/10

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	MISCELLANEOUS QUANTITIES	SHEET: 150

ALL ITEMS ARE CATEGORY 0100 UNLESS NOTED OTHERWISE

STORM SEWER (CONTINUED)

	STRUCTURE NUMBER	STATION	OFFSET FEET	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0415 15-INCH LF	608.0424 24-INCH LF	608.0436 36-INCH LF	18" LF	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	CATEGORY 6100 614.0620.S* MARKER POST CULVERT FLEXIBLE END EACH	NOTES
IH 94 NB	100	1134+00	74.3' RT	100	101	774.40	774.05	0.50%	--	--	70	--		--	--	
	101	1134+00	4.3' RT	101	103	774.05	774.00	0.50%	--	--	9	--		--	--	
	104	1137+69	74.3' RT	104	105	772.55	772.20	0.50%	--	--	70	--		--	--	
	105	1137+69	4.3' RT	105	107	772.20	772.15	0.50%	--	--	9	--		--	--	
	108	1140+00	4.3' RT	108	110	771.80	771.75	0.50%	--	9	--	--		--	--	
	111	1143+00	4.3' RT	111	113	770.30	770.25	0.50%	--	9	--	--		--	--	
	114	1149+00	4.3' RT	114	116	766.80	766.75	0.50%	--	9	--	-- 114		--	--	
15.	STUB	1149+30	4.3' LT	STUB	T04	756.70	755.45	1.00%	--	--	--	125		--	--	CONNECT ~~T0~~ STUB, REMOVE T03 To T03
15.	119	1146+00	4.3' RT	119	120	766.90	763.50	2.50%	--	--	136	--		--	--	
	121	1152+00	4.3' RT	121	122	762.55	762.50	0.50%	--	9	--	--		--	--	
	123	1155+00	4.3' RT	123	124	757.80	757.75	0.50%	--	9	--	--		--	--	
	127	1158+00	4.3' LT	127	128	750.98	750.93	0.50%	--	9	--	--		--	--	
15.	131	1160+00 20	108.0' RT	131	130	745.00 50	744.79 50	0.30%	~~70~~ 95	--	--	--		--	--	
	135	1160+69	4.3' RT	135	136	747.59	747.54	0.50%	--	9	--	--		--	--	
	145	1164+00	4.3' RT	145	146	739.82	739.73	1.00%	--	9	--	--		--	--	
	147	1167+00	4.3' RT	147	148	735.32	735.23	1.00%	--	9	--	--		--	--	
	149	1170+00	4.3' RT	149	150	730.82	730.73	1.00%	--	9	--	--		--	--	
	151	1173+00	4.3' RT	151	152	728.48	728.39	1.00%	--	9	--	--		--	--	
	159	1177+00	4.3' RT	159	160	726.35	726.30	0.50%	--	9	--	--		--	--	
	161	1180+50	4.3' RT	161	162	724.54	724.49	0.50%	--	9	--	--		--	--	
	163	1181+00	4.3' RT	163	166	724.29	724.24	0.50%	--	9	--	--		--	--	
	164	1181+50	4.3' RT	167	168	724.54	724.49	0.50%	--	9	--	--		--	--	
	171	1182+17	108.0' RT	171	173	723.06	723.00	0.50%	12	--	--	--		--	--	
15.	172	1182+37	108.0' RT	172	173	723.06	723.00	0.50%	~~12~~	--	12	--		~~1~~	--	
	173	1182+27	108.0' RT	173	173A	721.30	721.26	0.15%	--	--	--	--		--	--	
	173A	1182+27	82.3' RT	173A	OUTFALL	721.26	721.00	0.15%	--	--	--	--		--	--	
	175	1184+00	77.4' RT	175	176	725.13	725.04	0.50%	--	--	18	--		--	--	
	176	1184+00	102.5' RT	OUTFALL		725.04	725.00	0.50%	--	--	--	--		1	1	
	177	1184+00	4.3' RT	177	178	724.56	724.51	0.50%	--	--	9	--		--	--	
	181	1188+00	74.3' RT	181	182	729.12	729.04	0.50%	--	--	15	--		--	--	
	182	1188+00	96.0' RT	OUTFALL		729.04	729.00	0.50%	--	--	--	--		1	1	
	183	1188+00	4.3' RT	183	184	729.90	729.85	0.50%	--	--	9	--		--	--	
	700	1133+03	76.1' RT	700	701	775.39	775.29	0.50%	--	--	20	--		--	--	
	701	1133+23	75.9' RT	701	702	775.19	775.09	0.50%	--	--	20	--		--	--	
	702	1133+43	74.9' RT	702	705	774.99	774.89	0.50%	--	--	66	--		--	--	
	703	1133+02	8.1' RT	703	704	774.99	774.89	0.50%	--	--	20	--		--	--	
	704	1133+22	7.8' RT	704	705	774.79	774.69	0.50%	--	--	20	--		--	--	
	705	1133+42	7.6' RT	705	708	774.59	774.49	0.50%	--	--	10	--		--	--	
	800	1122+53	7.9' RT	N/A	N/A	780.90	780.89	N/A	--	--	--	--		--	--	CONNECT TO EXISTING PIPE, STAGE 3B
	801	1124+71	8.7' RT	N/A	N/A	N/A	N/A	N/A	--	--	--	--		--	--	INSTALL COVER PLATE LEFT-IN-PLACE, STAGE 3B
	802	1171+70	71.2' RT	N/A	N/A	N/A	N/A	N/A	--	--	--	--		--	--	INSTALL COVER PLATE LEFT-IN-PLACE, STAGE 3A
	803	1173+70	69.7' RT	N/A	N/A	N/A	N/A	N/A	--	--	--	--		--	--	INSTALL COVER PLATE LEFT-IN-PLACE, STAGE 3A
	SUBTOTAL								94	135	501	125		2 3	2	
15.	T03			T03	T04	756.30	755.45	.4%	-	-	-	44		-	-	
	TOTALS								94	427	4,942	267	15	78	7	
15.	130A	1159+07	NOTES	130A	48" PIPE	747.90	744.70	22.61%	107		4954	290				

1) JOINT TIES FOR CONCRETE PIPE SHALL BE PROVIDED AT ALL CONCRETE APRON ENDWALLS. APRON ENDWALLS AND ADJOINING TWO SECTIONS OF CONCRETE PIPE SHALL BE TIED. THE COST OF THESE TIES SHALL BE INCIDENTAL TO THE COST OF THE PIPE.
2) STATIONS AND OFFSETS ARE TO THE CENTER OF STRUCTURES OR TO THE APRON END OF ENDWALLS.
3) PIPE LENGTHS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.
4) RIM ELEVATIONS ARE GIVEN AT THE FLANGE LINE
5) STRUCTURE DEPTH = RIM ELEVATION MINUS LOWEST INVERT MINUS CASTING HEIGHT MINUS ADJUSTMENT RING
CASTING HEIGHT = 0.83 FT FOR TYPE V AND B COVERS; 0 FT FOR TYPE MS COVERS;
0.75 FT FOR TYPE J COVERS
ADJUSTMENT (RINGS) = 0.33 FT FOR V COVERS; 0 FT FOR TYPE MS COVERS

2. REVISED 7/10/09
15 REVISED 5/04/10

3

TEMPORARY CULVERT ITEMS

CATEGORY	STAGE	STATION	INLET END OFFSET	ELEV	STATION	DISCHARGE END OFFSET	ELEV	SLOPE	520.4024 CULVERT PIPE TEMPORARY 24-INCH LF	COMMENTS
0100	IH 94 SB									
	1	1146+00	4.25' LT	768.00	1149+00	4.25' LT	766.00	0.67%	300	ABANDON IN STAGE 2
	TOTALS								300	

TOTALS	300

NOTES

1) STATION OFFSETS SHOWN ARE TO THE CENTER OF INLET STRUCTURES OR END OF PIPE (NOT THE APRON END OF ENDWALLS.

3

BEAM GUARD ITEMS

ROADWAY	LOCATION	OFFSET	614.0115 ANCHORAGES FOR STEEL PLATE BEAM GUARD TYPE 2 EACH	614.0200 STEEL THRIE BEAM STRUCTURE APPROACH LF	614.0305 STEEL PLATE BEAM GUARD CLASS A LF	614.0370 STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL EACH	CATEGORY 6100 SPV.0060.01 MARKER POST FLEXIBLE FOR GUARD RAIL TERMINAL EACH
RAMP SW							
	1149SW+50.0 - 1150SW+27.0	LT	--	21	--	1	1
IH 94 NB	1139+56.0 - 1140+82.0	RT	1	--	75.0	1	--
RAMP NE	1175NE+29.0 - 1182NE+00.0	RT	--	21	600	1	1
TOTALS			1	42	675	3	2

ALL ITEMS ARE CATEGORY 0100 UNLESS NOTED OTHERWISE

CONCRETE BARRIER ITEMS

CATEGORY	ROADWAY	LOCATION	OFFSET	SPV.0090.07 CONCRETE BARRIER 42-INCH LF	SPV.0090.08 CONCRETE BARRIER VERTICAL FACED 42-INCH LF	COMMENTS
0100	IH 94 SB	1133+00 - 1149+50	LT	1,650	--	OUTSIDE EDGE
		1178+00 - 1188+00	LT	--	--	OUTSIDE EDGE
		1133+00 - 1160+90	LT	2,790	--	MEDIAN EDGE
		1160+90 - 1162+74	LT	--	184	MEDIAN EDGE
		1162+74 - 1188+00	LT	2,526	--	MEDIAN EDGE
	IH 94 NB	1133+00 - 1137+28	RT	428	--	OUTSIDE EDGE
		1182+00 - 1188+00	RT	600	--	OUTSIDE EDGE
		1133+00 - 1160+90	RT	2,790	--	MEDIAN EDGE
		1160+90 - 1162+74	RT	--	184	MEDIAN EDGE
		1162+74 - 1188+00	RT	2,526	--	MEDIAN EDGE
	RAMP NW					
		1175NW+00 - 1178NW+00	LT	300	--	
	TOTALS			13,610	368	

3

LANDMARK REFERENCE MONUMENTS

CATEGORY	STATION	DESCRIPTION	621.0100 LANDMARK REFERENCE MONUMENTS EACH
0100	IH 94		
	1139+75.82	PI	1
	1161+48.67	PI	1
	TOTAL		2

DUST CONTROL SURFACE TREATMENT

CATEGORY	LOCATION	623.0200 SY
0100	IH 94	107,719
	TOTALS	107,719

TRACKING MAT REPLACEMENT

CATEGORY	LOCATION	SPV.0060.23 EACH
0100	IH 94	62
	TOTALS	62

MOBILIZATION

CATEGORY	STAGE		619.1000 EACH
0100	ALL	PROJECT	0.40
	TOTAL		0.40

WATER ITEMS

CATEGORY	STAGE	LOCATION	624.0100 WATER MGAL
0100	3, 4, 5	IH 94	53
	7	IH 94	53
		TOTALS	106

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FIELD OFFICE TYPE C

CATEGORY	STAGE		642.5201 EACH
0100	ALL	PROJECT	0.40
	TOTAL		0.40

GEOTEXTILE FABRIC TYPE SAS

CATEGORY	ROADWAY	645.0140 SY
0100	IH 94 SB & NB	
	TRACKING MATS	225
	TOTAL	225

CONSTRUCTION STAKING ITEMS

CATEGORY	LOCATION	SPV.0105.04 SURVEY PROJECT ID ID 1030-25-74 LS
0100	PROJECT	1
	TOTALS	1

3

COVER PLATE LEFT-IN-PLACE

CATEGORY	STATION	DESCRIPTION	SPV.0060.37 COVER PLATE LEFT-IN-PLACE EACH
0100	IH 94 STAGE 3		
	1124+71	8.7' RT	1
	1171+70	71.2' RT	1
	1173+70	69.7' RT	1
	1198+68	2.3' LT	1
	TOTAL		4

SAW CUTTING ITEMS

CATEGORY	STAGE	ROADWAY	FROM STATION		TO STATION	OFFSET	690.0250 SAWING CONCRETE LF	690.0150 SAWING ASPHALT LF	REMARKS
0100									
	4, 5	IH 94 SB	1133+00	TO	1145+00	LT/RT	2,880		FOR RUBBLIZING
	7	IH 94 NB	1133+00	TO	1145+00	LT/RT	2,880		FOR RUBBLIZING
	3	RAMP SE	139SE+84	TO	1142SE+8	LT/RT		280	
	TOTALS						5,760	280	

TRAFFIC CONTROL ITEMS

CATEGORY		0100	0100	6100	6100	6100		6100		6100		6100		6100		6100		6100		6100	6100
		603.0500	603.0801																		
		CONCRETE BARRIER TEMPORARY PRECAST	CONCRETE BARRIER TEMPORARY PRECAST	614.0905	638.2102	643.0300		643.0420		643.0500 **	643.0600 **	643.0705		643.0715		643.0800		643.0900		643.1050.S	SPV.0060.39	SPV.0090.10
	STAGE* DURATION	CONTRACTOR FURNISHED AND DELIVERED	CONTRACTOR INSTALLED	CRASH CUSHION TEMPORARY	MOVING SIGNS TYPE II	TRAFFIC CONTROL DRUMS		TRAFFIC CONTROL BARRICADES TYPE III		TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER BASES	TRAFFIC CONTROL WARNING LIGHTS TYPE A		TRAFFIC CONTROL WARNING LIGHTS TYPE C		TRAFFIC CONTROL ARROW BOARDS		TRAFFIC CONTROL SIGNS		SIGNS PORTABLE CHANGEABLE MESSAGE	TEMPORARY THRIE BEAM CONNECTION	TEMPORARY GLARE SCREEN
LOCATION	DAYS	LF	LF	EACH	EACH	EACH*	DAYS	EACH*	DAYS	EACH	EACH	EACH*	DAYS	EACH*	DAYS	EACH*	DAYS	EACH*	DAYS	EACH* DAY	EACH	LF
STAGE 3A	15																					
IH-94 NB		8,334	8,334	2	--	--	--	4	60	--	--	4	60	--	--	1	15	18	270	-- --	--	--
IH-94 SB		1,104	1,104	--	--	33	495	1	15	--	--	--	--	14	210	2	30	11	165	2 30	--	--
STAGE 3A SUBTOTAL		9,438	9,438	2	0		495		75	0	0		60		210		45		435	30	0	0
STAGE 3B	15																					
IH-94 NB		4,513	11,513	4	--	122	1,830	7	105	--	--	--	--	14	210	2	30	19	285	2 30	--	--
IH-94 SB		3,405	4,505	3	--	120	1,800	11	165	--	--	4	60	18	270	2	30	13	195	1 15	--	--
STAGE 3B SUBTOTAL		7,918	16,018	7	0		3,630		270	0	0		60		480		60		480	45	0	0
STAGE 4 & 5	110																					
IH-94 NB		2,500	9,018	1	4	--	--	4	440	--	--	4	440	--	--	--	--	40	4,400	2 220	1	7,000
IH-94 SB		--	--	1	4	--	--	16	1,760	--	--	14	1,540	--	--	--	--	47	5,170	2 220	3	--
STAGE 4 & 5 SUBTOTAL		2,500	9,018	2	8		0		2,200	0	0		1,980		0		0		9,570	440	4	7,000
STAGE 6	122																					
IH-94 NB		--	2,403	1	--	--	--	9	1,098	130	130	14	1,708	--	--	--	--	13	1,586	-- --	6	--
IH-94 SB		--	--	--	4	--	--	4	488	53	53	8	976	--	--	--	--	4	488	-- --	--	--
STAGE 6 SUBTOTAL		0	2,403	1	4		0		1,586	183	183		2,684		0		0		2,074	0 0	6	0
STAGE 7	153																					
IH-94 NB		121	11,518	1	4	58	8,874	12	1,836	--	--	12	1,836	44	6,732	2	306	49	7,497	3 459	1	7,700
IH-94 SB		--	--	1	--	18	2,754	--	--	--	--	--	--	18	2,754	--	--	35	5,355	1 153	1	--
STAGE 7 SUBTOTAL		121	11,518	2	4		11,628		1,836	0	0		1,836		9,486		306		12,852	612	2	7,700
UNDISTRIBUTED			141				1,575		597	18	18		662		1,018		41		2,541	790		
TOTALS		19,977	48,536	14	16		17,328		6,564	201	201		7,282		11,194		452		27,952	1,917	12	14,700

* FOR INFORMATION ONLY

** ADDITIONAL QUANTITIES SHOWN ELSEWHERE

(CONTINUED ON NEXT SHEET)

TRAFFIC CONTROL ITEMS (CONTINUED)

CATEGORY		6100			6100			6100	6100	6100	6100			6100	6100	
		646.0103 PAVEMENT MARKING PAINT 4-INCH			646.0106 ** PAVEMENT MARKING EPOXY 4-INCH			646.0123 PAVEMENT MARKING PAINT 8-INCH	646.0126 ** PAVEMENT MARKING EPOXY 8-INCH	647.0746 ** PAVEMENT MARKING DIAGONAL EPOXY 24-INCH	649.0400 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH			649.2100 TEMPORARY RAISED PAVEMENT MARKERS	SPV.0090.12 WET REFLECTIVE REMOVABLE TEMPORARY PAVEMENT MARKING TAPE 4-INCH	
LOCATION	STAGE* DURATION DAYS	YELLOW LF	WHITE LF	WHITE 12.5 LINE 37.5 SKIP LF	YELLOW LF	WHITE LF	WHITE 12 FT LINE 37.5 FT SKIP LF	WHITE LF	WHITE LF	WHITE LF	YELLOW LF	WHITE LF	WHITE 12.5 FT LINE 37.5 FT SKIP LF	EACH	YELLOW LF	WHITE LF
STAGE 3A	15															
IH-94 NB		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IH-94 SB		1,614	--	--	--	--	--	--	--	--	--	--	--	--	--	--
STAGE 3A SUBTOTAL		1,614	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STAGE 3B	15															
IH-94 NB		--	--	--	--	--	--	--	--	--	9,677	--	--	--	--	--
IH-94 SB		8,217	--	--	--	--	--	--	--	--	1,450	--	--	--	--	--
STAGE 3B SUBTOTAL		8,217	0	0	0	0	0	0	0	0	11,127	0	0	0	0	0
STAGE 4 & 5	110															
IH-94 NB		6,044	6,044	1,513	--	--	--	--	--	--	--	--	--	183	2,135	2,748
IH-94 SB		5,684	5,686	1,425	--	--	--	--	--	--	--	--	--	306	3,300	7,206
STAGE 4 & 5 SUBTOTAL		11,728	11,730	2,938	0	0	0	0	0	0	0	0	0	489	5,435	9,954
STAGE 6	122															
IH-94 NB		--	--	--	7,977	7,020	3,800	--	--	--	--	--	--	--	--	--
IH-94 SB		--	--	--	7,830	7,328	4,550	215	4,878	41	--	--	--	--	--	--
STAGE 6 SUBTOTAL		0	0	0	15,807	14,348	8,350	215	4,878	41	0	0	0	0	0	0
STAGE 7	153															
IH-94 NB		5,687	7,096	1,425	--	--	--	--	--	--	--	--	--	341	3,300	7,363
IH-94 SB		5,873	6,245	1,463	--	--	--	785	--	--	--	--	--	159	2,448	3,373
STAGE 7 SUBTOTAL		11,560	13,341	2,888	0	0	0	785	0	0	0	0	0	500	5,748	10,736
UNDISTRIBUTED																
TOTALS		64,016			38,505			1,000	4,878	41	11,127			989	31,873	

* FOR INFORMATION ONLY

** ADDITIONAL QUANTITIES SHOWN ELSEWHERE

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TRAFFIC CONTROL SIGNS FIXED MESSAGE

CATEGORY	LOCATION	STAGE	SIGN NO.	SIGN SIZE W X H FT X FT	643.1000 SIGN AREA SF
6100	IH94 NB	4 & 5	A	12 X 3.5	42.0
	IH94 SB	4 & 5	A	12 X 3.5	42.0
	IH94 NB	7	A	12 X 3.5	42.0
	IH94 SB	7	A	12 X 3.5	42.0
			TOTAL		168.0

TRAFFIC CONTROL ID 1030-25-74

CATEGORY	STAGE	LOCATION	643.0100 TRAFFIC CONTROL (1030-25-74) EACH	643.2000 TRAFFIC CONTROL DETOUR (1030-25-74) EACH	643.0905.S TRAFFIC CONTROL COVERING SIGNS EACH
6100	ALL	PROJECT	1	1	5
	TOTALS		1	1	5

3

TRAFFIC CONTROL FLEXIBLE TUBULAR MARKERS

CATEGORY	LOCATION	SPV.0060.45 BASES LEFT-IN-PLACE EACH	SPV.0060.46 POSTS LEFT-IN-PLACE EACH
6100	IH 94 SB	47	47
	IH 94 NB	49	49
	TOTAL	96	96

TRAFFIC CONTROL BARRICADES PERMANENT TYPE III

CATEGORY	LOCATION	643.0453 EACH
6100	IH 94 NB	5
	IH 94 SB	5
	TOTAL	10

CRASH CUSHION TEMPORARY LEFT-IN-PLACE

CATEGORY	LOCATION	SPV.0060.30 EACH
6100	IH 94 NB	1
	IH 94 SB	1
	WEST FRONTAGE ROAD	1
	TOTAL	3

CONCRETE BARRIER TEMPORARY PRECAST LEFT-IN-PLACE

CATEGORY	LOCATION	SPV.0090.06 LF
0100	STAGE 4&5	1,612.0
	STAGE 7	2,950.0
	WEST FRONTAGE ROAD	1,227.0
	TOTAL	5,789.0

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EROSION CONTROL ITEMS

CATEGORY	0100	6100	6100	6100	6100	6100	6100	6100	6100	6100	6100	6100	6100	0100
	606.0200	628.1104	628.1504	628.1520	628.1905	628.1910	628.2004	628.7005	628.7010	628.7015	628.7020	628.7504	628.7550	645.0120
LOCATION	RIPRAP MEDIUM CY	EROSION BALES EACH	SILT FENCE LF	SILT FENCE MAINTENANCE LF	MOBILIZATION EROSION CONTROL EACH	MOBILIZATION EMERGENCY EROSION CONTROL EACH	EROSION MAT CLASS I TYPE B SY	INLET PROTECT TYPE A EACH	INLET PROTECT TYPE B EACH	INLET PROTECT TYPE C EACH	INLET PROTECT TYPE D EACH	TEMPORARY DITCH CHECK LF	CULVERT PIPE DITCH CHECKS EACH	GEOTEXTILE FABIC TYPE HR SY
STAGE 3A & 3B														
IH-94 NB	--	--	163	82	1	1	2,803	--	25	--	2	450	--	--
UNDISTRIBUTED	--	20	41	20	--	--	701	--	6	--	1	113	2	--
STAGE 3A & 3B SUBTOTAL	0	20	204	102	1	1	3,504	0	31	0	3	563	2	0
STAGE 4, 5 & 6														
IH-94 SB	14	--	135	68	1	1	7,332	40	25	--	14	495	--	43
UNDISTRIBUTED	4	20	34	17	--	--	1,833	10	6	--	4	124	2	11
STAGE 4, 5 & 6 SUBTOTAL	18	20	169	84	1	1	9,165	50	31	0	18	619	2	53
STAGE 7														
IH-94 NB	4	--	163	82	1	1	4,433	33	21	1	9	405	--	11
UNDISTRIBUTED	1	20	41	20	--	--	1,108	8	5	--	2	101	2	3
STAGE 7 SUBTOTAL	5	20	204	102	1	1	5,541	41	26	1	11	506	2	14
TOTALS	22	60	576	288	3	3	18,210	91	89	1	31	1,688	6	67

3

RESTORATION ITEMS

CATEGORY			6100	0100	6100	6100	6100	6100
			631.1100	625.0500	627.0200	629.0210	630.0120	630.0200
ROADWAY	STATION	STATION	SOD EROSION CONTROL SY	SALVAGED TOPSOIL SY	MULCHING SY	FERTILIZER TYPE B CWT	SEEDING MIX NO. 20 LB	SEEDING TEMPORARY LB
IH 94 SB			0	11,808	11,808	14	291	146
IH 94 NB			24	18,290	18,290	25	571	285
RAMP NW			0	2,563	2,563	3	80	40
RAMP SW			0	95	95	1	12	6
RAMP SE			0	183	183	1	20	10
RAMP NE			0	2,567	2,567	3	78	39
UNDISTRIBUTED			2	3,551	3,551	5	105	53
	TOTALS		26	39,057	39,057	52	1,157	578

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PAVEMENT MARKING ITEMS

CATEGORY	LOCATION	START	END	633.0100 DELINEATOR POSTS STEEL EACH	633.0500 DELINEATOR WHITE EACH	643.0500 * TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS EACH	643.0600 * TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER BASES EACH	646.0106 * PAVEMENT MARKING EPOXY 4-INCH YELLOW LF	646.0106 * PAVEMENT MARKING EPOXY 4-INCH WHITE LF	646.0106 * PAVEMENT MARKING EPOXY 4-INCH WHITE 12 FT LINE 37.5 SKIP LF	646.0126 * PAVEMENT MARKING EPOXY 8-INCH WHITE LF	647.0746 * PAVEMENT MARKING DIAGONAL EPOXY 24-INCH WHITE LF
6100	IH 94											
	NB	1133+00	1188+00	11	11	95	95	5,752	5,916	2,850	5,086	47
	SB	1133+00	1188+00	11	11	91	91	6,252	6,251	3,050	5,161	41
	RAMPS											
	RAMP SE	1138+27	1150+50	13	25	--	--	2	1,223	--	--	165
	RAMP SW	1133+00	1153+50	3	5	--	--	108	2,050	--	--	--
	RAMP NE	1172+50	1185+53	10	19	--	--	62	1,303	--	--	--
	RAMP NW	1173+50	1185+38	4	7	--	--	56	1,188	--	--	127
TOTALS				52	78	186	186		36,063		10,247	380

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

FILE NAME : S:\FinalDesign\G\10302374_M\Roads-Stim\cds\030201.ppt PLOT DATE : 2/19/2009 4:48:16 PM PLOT BY : MSCCEJ PLOT NAME : 030201_mq20 PLOT SCALE : 1:1

SIGN NO.	SIGN CODE	SIGN MESSAGE	TYPE II SIGN SIZE W [IN.] x H [IN.]	637.0202 SIGNS REFLC TYPE II [SF]	638.2602 REM SIGNS TYPE II [EA]	638.3000 REM SMALL SIGN SUP [EA]	634.0618 WOOD POSTS 4"X 6"x18' [EA]	SPV.0060.31 SIGN SUPP GALVANIZED POSTS 8.5' [EA]	MOUNT ON SAME POST AS SIGN NO.	REMARKS	TYPE I SIGN SIZE W [FT] x H [FT]	637.0101 SIGNS REFLC TYPE I [SF]	638.2601 REM SIGNS TYPE I [EA]	638.3100 REM STR STEEL SIGN SUPPORT [EA]	STEEL POST TYPE	636.0100 SIGN NO. SUPPORTS CONCRETE MASONRY [CY]	636.0500 SIGN SUPPORTS STEEL REINF. [LBS]	635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS [EST.LBS]	INFO ONLY-POST LENGTHS TO BE VERIFIED BY CONTRACTOR: POST NO 1 LENGTH [FT]	POST NO 2 LENGTH [FT]	OFF SET DISTANCE [FT]	DIST BTWN POSTS "S" [FT]
1	J4-2(5) MB3-4 M1-1 M3-1 M1-4		72 x 51 30 x 15 36 x 36 30 x 15 36 x 36	25.50	1	--	--	--	--	RE-USE EXISTING POSTS	x x x x x	0.00 0.00 0.00 0.00 0.00	--	--	--	--	--	--	--	--	--	--
2	E1-1A	[G] EAST-WEST 1 MILE	-- x --	--	--	--	--	--	--	INSTALL ON EXISTING STEEL POSTS	15 x 10	150.00	1	--	--	--	--	--	--	--	--	--
2A	E1-5	EXIT 327	-- x --	--	--	--	--	--	--	MOUNT ON SIGN #2	11 x 2.5	27.50	--	--	--	--	--	--	--	--	--	--
3	E1-1A	CRASH INVESTIGATION SITE EXIT 327	-- x --	--	--	--	--	--	--	INSTALL ON EXISTING STEEL POSTS	13 x 11	143.00	1	--	--	--	--	--	--	--	--	--
4	R2-1(5)	SPEED LIMT 65	48 x 60	20.00	1	--	--	--	--	RE-USE EXISTING POST	x	0.00	--	--	--	--	--	--	--	--	--	--
5	E8-1	[G] 1/2 SEVEN MILE RD 2 [241] 27TH ST 3	-- x --	--	--	--	--	--	--	INSTALL ON EX. SIGN BRIDGE S-51-203 PROVIDE INCIDENTAL I-BEAMS	20 x 8	160.00	1	--	--	--	--	--	--	--	--	--
6	E8-1	[K] 1/2 [20] 4 1/4 [11] 6 3/4	-- x --	--	--	--	--	--	--	INSTALL ON EX. SIGN BRIDGE S-51-203 PROVIDE INCIDENTAL I-BEAMS	20 x 8	160.00	1	--	--	--	--	--	--	--	--	--
7	D2-1	CHICAGO 69	156 x 36	39.00	1	2	3	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--
8	R2-1(5)	SPEED LIMT 65	48 x 60	20.00	--	--	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--
9	--	WEIGHT STATION	-- x --	--	--	--	--	--	--	INSTALL ON EXISTING STEEL POSTS	10 x 4.5	45.00	1	--	--	--	--	--	--	--	--	--
10	D10-5	W(94 SHIELD) 328/1	-- x --	--	1	1	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--
11	D10-5	E(94 SHIELD) 328/1	-- x --	--	1	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--
12	W13-2	EXIT 50 MPH	-- x --	--	1	1	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--
13	E4-1A	[G] [A] EAST - WEST	-- x --	--	--	--	--	--	--	--	x	0.00	1	2	--	--	--	--	--	--	--	--
14	D10-5(5)	W(94 SHIELD) 328/0	21 x 60	8.75 8.75	1	1	--	1	--	MOUNT ON MEDIAN BARRIER WALL PER DETAIL	x	0.00	--	--	--	--	--	--	--	--	--	--
15	D10-5(5)	E(94 SHIELD) 328/0	21 x 60	8.75	1	--	--	--	#14	MOUNT ON MEDIAN BARRIER WALL PER DETAIL	x	0.00	--	--	--	--	--	--	--	--	--	--
16	E6-1	[G] [A] EAST - WEST	-- x --	--	--	--	--	--	--	INSTALL ON S-51-17 CANTILEVER	17 x 7	119.00	--	--	--	--	--	--	--	--	--	--
16A	E1-5	EXIT 327	-- x --	--	--	--	--	--	--	MOUNT ON SIGN #16	11 x 2.5	27.50	--	--	--	--	--	--	--	--	--	--
17	E5-1A	EXIT 327 [A]	-- x --	--	1	2	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--
18	D10-5	W(94 SHIELD) 327/9	-- x --	--	1	1	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--
19	D10-5	E(94 SHIELD) 327/9	-- x --	--	1	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--
20	J4-1(5) MB3-2 M1-1 M3-3 M1-4		72 x 51 30 x 15 36 x 36 30 x 15 36 x 36	25.50	1	1	2	--	--	--	x x x x x	0.00 0.00 0.00 0.00 0.00	--	--	--	--	--	--	--	--	--	--
21	--	WEIGHT STATION RIGHT LANE	-- x --	--	--	--	--	--	--	--	13 x 7	91.00	1	2	B	1.6	98	1,000(EST)	--	--	17.5	9.0
22	--	TRUCKS OVER 4 TONS STOP AT WEIGH STATION	-- x --	--	--	--	--	--	--	--	15 x 7	105.00	--	--	--	--	--	--	--	--	--	--
23	D10-5(5)	W(94 SHIELD) 327/8	21 x 60	8.75 8.75	1	1	--	1	--	MOUNT ON MEDIAN BARRIER WALL PER DETAIL	x	0.00	--	--	--	--	--	--	--	--	--	--
24	D10-5(5)	E(94 SHIELD) 327/8	21 x 60	8.75	1	--	--	--	#23	MOUNT ON MEDIAN BARRIER WALL PER DETAIL	x	0.00	--	--	--	--	--	--	--	--	--	--
25	E5-1A(5)	EXIT 327 [A]	90 x 60	37.50	1	2	2	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--
26	D10-5	W(94 SHIELD) 327/7	-- x --	--	1	1	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--
27	D10-5	E(94 SHIELD) 327/7	-- x --	--	1	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--
28	D10-5(5)	W(94 SHIELD) 327/6	21 x 60	8.75 8.75	1	1	--	1	--	MOUNT ON MEDIAN BARRIER WALL PER DETAIL	x	0.00	--	--	--	--	--	--	--	--	--	--
29	D10-5(5)	E(94 SHIELD) 327/6	21 x 60	8.75	1	--	--	--	#28	MOUNT ON MEDIAN BARRIER WALL PER DETAIL	x	0.00	--	--	--	--	--	--	--	--	--	--
30	--	NOT USED	-- x --	--	--	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--
31	W4-1(5)		48 x 48	16.00	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--
32	D10-5	W(94 SHIELD) 327/5	-- x --	--	1	1	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--

SHEET 1 OF 2

TYPE I & II PERMANENT SIGNING — CATEGORY CODE 6100 — IH 94 / CTH G 1030-25-74

SIGN NO.	SIGN CODE	SIGN MESSAGE	TYPE II SIGN SIZE W [IN.] x H [IN.]	637.0202 SIGNS REFLC TYPE II [SF]	638.2602 REM SIGNS TYPE II [EA]	638.3000 REM SMALL SIGN SUP [EA]	634.0618 WOOD POSTS 4"X 6"x18' [EA]	SPV.0060.31 SIGN SUPP GALVANIZED POSTS 8.5' [EA]	MOUNT ON SAME POST AS SIGN NO.	REMARKS	TYPE I SIGN SIZE W [FT] x H [FT]	637.0101 SIGNS REFLC TYPE I [SF]	638.2601 REM SIGNS TYPE I [EA]	638.3100 REM STR STEEL SIGN SUPPORT [EA]	STEEL POST TYPE	636.0100 SIGN NO. SUPPORTS CONCRETE MASONRY [CY]	636.0500 SIGN SUPPORTS STEEL REINF. [LBS]	635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS [EST.LBS]	INFO ONLY-POST LENGTHS TO BE VERIFIED BY CONTRACTOR: POST NO 1 LENGTH [FT]	POST NO 2 LENGTH [FT]	OFF SET DISTANCE [FT]	DIST BTWN POSTS "S" [FT]
33	D10-5	E(94 SHIELD) 327/5	-- x --	--	1	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--
34	--	NOT USED	-- x --	--	--	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--
35	W4-1(5)		48 x 48	16.00	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--
36	D10-5(5)	W(94 SHIELD) 327/4	21 x 60	8.75 8.75	1	1	--	1	--	MOUNT ON MEDIAN BARRIER WALL PER DETAIL	x	0.00	--	--	--	--	--	--	--	--	--	--
37	D10-5(5)	E(94 SHIELD) 327/4	21 x 60	8.75	1	--	--	--	#36	MOUNT ON MEDIAN BARRIER WALL PER DETAIL	x	0.00	--	--	--	--	--	--	--	--	--	--
38	--	WEIGHT STATION 1 MILE	-- x --	--	--	--	--	--	--	--	10 x 7	70.00	1	2	A	1.2	68	630(EST)	--	--	17.5	9.0
39	E1-1A	SEVEN MILE RD 1 MILE	-- x --	--	--	--	--	--	--	--	22 x 7	154.00	1	2	B	1.6	98	1,000(EST)	--	--	17.5	13.2
39A	E1-5	EXIT 326	-- x --	--	--	--	--	--	--	MOUNT ON SIGN #39	11 x 2.5	27.50	--	--	--	--	--	--	--	--	--	--
40	E5-1A(5)	EXIT 327 [A]	90 x 60	37.50	1	2	2	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--
41	D10-5	W(94 SHIELD) 327/3	-- x --	--	1	1	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--
42	D10-5	E(94 SHIELD) 327/3	-- x --	--	1	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--
43	D10-5(5)	W(94 SHIELD) 327/4	21 x 60	8.75 8.75	1	1	--	1	--	MOUNT ON MEDIAN BARRIER WALL PER DETAIL	x	0.00	--	--	--	--	--	--	--	--	--	--
44	D10-5(5)	E(94 SHIELD) 327/4	21 x 60	8.75	1	--	--	--	#43	MOUNT ON MEDIAN BARRIER WALL PER DETAIL	x	0.00	--	--	--	--	--	--	--	--	--	--
45	E5-1A	EXIT 327 [A]	-- x --	--	1	2	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--
46	D10-5	W(94 SHIELD) 327/1	-- x --	--	1	1	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--
47	D10-5	E(94 SHIELD) 327/1	-- x --	--	1	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--
48	E6-1	[G] [A] EAST - WEST	-- x --	--	--	--	--	--	--	INSTALL ON S-51-18	17 x 7	119.00	--	--	--	--	--	--	--	--	--	--
48A	E1-5	EXIT 327	-- x --	--	--	--	--	--	--	MOUNT ON SIGN #48	11 x 2.5	27.50	--	--	--	--	--	--	--	--	--	--
49	E4-1A	[G] [A] EAST - WEST	-- x --	--	--	--	--	--	--	--	x	0.00	1	2	--	--	--	--	--	--	--	--
50	W13-2	EXIT 50 MPH	-- x --	--	1	1	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--
51	J4-2(5) MB3-4 M1-1 M3-1 M1-4		72 x 51 30 x 15 36 x 36 30 x 15 36 x 36	25.50	1	--	--	--	--	RE-USE EXISTING POSTS	x x x x x	0.00 0.00 0.00 0.00 0.00	--	--	--	--	--	--	--	--	--	--
52	E1-1A	CRASH INVESTIGATION SITE EXIT 327	-- x --	--	--	--	--	--	--	INSTALL ON EXISTING STEEL POSTS	13 x 11	143.00	1	--	--	--	--	--	--	--	--	--
53	E8-1	SEVEN MILE RD 1/4 [241] 27TH ST 1 1/4 RYAN RD 3 1/2	-- x --	--	--	--	--	--	--	INSTALL ON EX. SUPPORT S-51-204 PROVIDE I-BEAMS (INCIDENTAL)	19 x 8	152.00	1	--	--	--	--	--	--	--	--	--
54	E8-1	[G] 1/2 [K] 2 1/2 [20] 6	-- x --	--	--	--	--	--	--	INSTALL ON EX. SUPPORT S-51-204 PROVIDE I-BEAMS (INCIDENTAL)	19 x 8	152.00	1	--	--	--	--	--	--	--	--	--
55	R2-1(5)	SPEED LIMT 65	48 x 60	20.00	1	--	--	--	--	RE-USE EXISTING POST	x	0.00	--	--	--	--	--	--	--	--	--	--
56	J4-1(5) MB3-2 M1-1 M3-3 M1-4		36 x 102 30 x 15 36 x 36 30 x 15 36 x 36	25.50	1	--	--	--	--	--	x x x x x	0.00 0.00 0.00 0.00 0.00	--	--	--	--	--	--	--	--	--	--
57	E1-1A	[G] EAST-WEST 1 MILE	-- x --	--	--	--	--	--	--	INSTALL ON EXISTING STEEL POSTS	15 x 10	150.00	1	--	--	--	--	--	--	--	--	--
57A	E1-5	EXIT 327	-- x --	--	--	--	--	--	--	MOUNT ON SIGN #57	11 x 2.5	27.50		--	--	--	--	--	--	--	--	--
	TOTALS			439.25	36	26	12	5				2050.50	15	10	0	4.4	264	2,530(EST)	0	0		

Note: All Type I signs to be SH sheeting & copy

SHEET 2 OF 2

PROJECT NO:1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	MISCELLANEOUS QUANTITIES	SHEET E

FILE NAME : j:\projects\D2_10302594\Sign\QTY.dgn PLOT DATE : 17-FEB-2009 13:24 PLOT BY : dotbgw PLOT NAME : PLOT SCALE : 266:1

TRANSPORTATION PROJECT PLAT NO: 1030-25-20 - 4.01

THAT PART OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4 AND SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 13, TOWNSHIP 4 NORTH, RANGE 21 EAST, IN THE TOWN OF RAYMOND, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER IH 94 @ CTH "G" RACINE COUNTY

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

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

HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
I-94 / USH 41	DJ 2277	1935	VARIES
I-94 / USH 41	DJ 2460	1938	VARIES
I-94 / USH 41	1101-1(3)	1956	VARIES
CTH "G"	1101-1(3)	1956	90'
CTH "G"	RIGHT OF WAY-CTH "G" RACINE COUNTY	1953	66'

SCHEDULE OF LANDS & INTERESTS REQUIRED — OWNER NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.

PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED (ACRES) NEW	EXISTING	TOTAL	T.L.E. TEMP. ACRES	P.L.E. PERM. ACRES
1	LEONARD S. PARSONS FAMILY TRUST	FEE, AR, TLE	0.36	0.00	0.36	0.01	0.00
2	THOMAS R. THELEN & RICHARD J. THELEN	FEE, AR, TLE	6.97	0.00	6.97	0.39	0.00
3	WISCONSIN TELEPHONE COMPANY	FEE, AR, TLE	0.19	0.00	0.19	0.14	0.00
4	GEORGE A. RIVEST	AR, TLE	0.00	0.00	0.00	0.20	0.00
102	AT&T WISCONSIN	ROR	--	--	--	--	--

CONVENTIONAL ABBREVIATIONS

ACCESS POINT	AP	REFERENCE LINE	R/L
ACCESS RIGHTS	AR	REMAINING	REM.
ACRES	AC.	RIGHT-OF-WAY	R/W
AND OTHERS	ET. AL.	RELEASE OF RIGHTS	ROR
CENTERLINE	C/L	SECTION	SEC.
CERTIFIED SURVEY MAP	CSM	STATION	STA.
CORNER	COR.	TEMPORARY LIMITED EASEMENT	TLE
CONVEYANCE OF RIGHTS	CR	VOLUME	V.
DOCUMENT	DOC.	CURVE DATA	
EASEMENT	EASE.		
LAND CONTRACT	LC	LONG CHORD	LCH
MONUMENT	MON.	LONG CHORD BEARING	LCB
PAGE	P.	RADIUS	R
PERMANENT LIMITED EASEMENT	PLE	DEGREE OF CURVE	D
PROPERTY LINE	PL	CENTRAL ANGLE OR DELTA	DELTA
RECORDED AS	(DOC)	LENGTH OF CURVE	L
		TANGENT	TAN

Y=212837.16
X=591641.95
CONCRETE MONUMENT W/ BRASS CAP

CURVE 1 NEW RL I-94
P.I. = 1139+75.82
Y = 213242.08
X = 594217.70
Δ = 01°25'56"
D = 00°10'00"
R = 34371.47'
T = 429.58'
L = 859.12'

CURVE 2 NEW RL I-94
P.I. = 1161+48.67
Y = 215414.93
X = 594204.80
Δ = 02°22'09"
D = 00°14'00"
R = 24555.33'
T = 507.72'
L = 1015.30'

CURVE 11 W. FRONTAGE RD.
P.I. = 2150+05.43
Y = 214270.69
X = 594061.51
Δ = 45°13'14"
D = 06°44'25"
R = 850.00'
T = 354.00'
L = 670.86'

CURVE 12 W. FRONTAGE RD.
P.I. = 2158+98.23
Y = 214924.24
X = 593399.95
Δ = 46°09'27"
D = 08°44'51"
R = 655.00'
T = 279.09'
L = 527.67'

CURVE 20 THELEN CT.
P.I. = 22+74.59
Y = 215016.94
X = 593722.17
Δ = 28°39'30"
D = 38°11'50"
R = 150.00'
T = 38.32'
L = 75.03'

The most current Right of Way information should be viewed in DOTView using the Real Estate project ID. The plat information contained in this as-built plan may not be the final record.

102 PARCEL 2
PARCEL 3

SCALE. FEET
0 100 200

DETAIL "A" NTS

DETAIL "B" NTS

SEE TPP 1030-25-20-4.03

SEE TPP 1030-25-20-4.05

Y=215488.00
X=591700.57
CONCRETE MONUMENT W/ BRASS CAP

Y=215445.87
X=594357.91
CONCRETE MONUMENT W/ BRASS CAP

Y=212796.22
X=594209.20

Y=212794.76
X=594300.92
CONCRETE MONUMENT W/ BRASS CAP

SEE DETAIL "A"

SEE DETAIL "B"

THIS AREA IS ACCESS CONTROLLED PER PROJECT I-101-1(3)

~ ACCESS CONTROL SHOWN HERE IS PER PROJECT I-101-1(3) AND CONTROLS ACCESS BETWEEN FREEWAY FACILITIES AND ADJACENT FRONTAGE ROADS / ADJACENT LANDS

CONVENTIONAL SYMBOLS

FOUND IRON PIPE/PIN	LOCATED UNLESS NOTED	PROPOSED R/W LINE	
R/W MONUMENT	○ (SET)	EXISTING R.E. LINE	
R/W STANDARD	△ (SET)	PROPERTY LINE	
SIGN	SIGN	LOT & TIE LINES	
SECTION CORNER MONUMENT		SLOPE INTERCEPTS	
FEE (HATCH VARIES)		CORPORATE LIMITS	
TEMPORARY LIMITED EASEMENT		ACCESS RESTRICTED (BY PREVIOUS PROJECT/CONTROL)	
PERMANENT LIMITED EASEMENT		NO ACCESS (BY ACQUISITION)	
R/W BOUNDARY POINT	RW620	NO ACCESS (BY STATUTORY AUTHORITY)	
PARCEL NUMBER	102	SECTION LINE	
SIGN NUMBER (OFF PROJECT)	21-1	QUARTER LINE	
BUILDING		SIXTEENTH LINE	
HOLDING TANK		EXISTING CENTERLINE	
		PROPOSED REFERENCE LINE	
		PARALLEL OFFSET	

CONVENTIONAL UTILITY SYMBOLS

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

LOCATION MAP NTS

SHEET LOCATION

NOTES:
COORDINATES AND BEARINGS ON THE PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, RACINE COUNTY, NAD 1983 (1997) ADJUSTMENT. ALL DISTANCES ARE GROUND LENGTH AND ARE REFERENCED TO GPS HARN POINTS PARIS E, YORKVILLE E AND RAYMOND S.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (3/4" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT BY WISCONSIN DOT SOUTHEAST REGION SURVEY.

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

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

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE THE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHT TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WOULD NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE THE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE. ALL TLE EASEMENTS ARE TO TERMINATE UPON THE COMPLETION OF THIS PROJECT OR ON THE DAY THE HIGHWAY IS OPEN TO THE TRAVELING PUBLIC, WHICHEVER IS LATER.

IH 94 / USH 41 IS CONTROLLED ACCESS PER PROJECT I-101-1(3).

THIS IS A COPY. ORIGINAL DOCUMENT IS FILED AT THE RACINE COUNTY REGISTER OF DEEDS

Milwaukee Transportation Partners LLC

I, KEVIN M. CORNNELL, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1030-25-20 - 4.01 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 11/07/07 (SIGNATURE) KEVIN M. CORNNELL, AGENT FOR MILWAUKEE TRANSPORTATION PARTNERS, LLC, R.L.S. NUMBER 2150

THIS PLAT IS APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHEAST REGION.

DATE 11/09/07 (SIGNATURE) (PRINTED NAME) Robert L. Duffeck

KEVIN M. CORNNELL S-2150 Milwaukee, Wisconsin — WISCONSIN LAND SURVEYOR

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1030-25-20-4.01
AMENDMENT NO:

Vol 1 Pg 47
DOC #: 2154713
Recorded
NOV. 15, 2007 AT 02:28PM
JAMES A. LADWIG
RACINE COUNTY
REGISTER OF DEEDS
Fee Exempt
162

FILE NAME : S:\prelimPMwork\18.PrelimDesign_CG\RealEstate\RW\cds\040401_rp.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 07-NOV-2007 16:17
PLOT BY : MSCCEJ
PLOT NAME :
PLOT SCALE : 100:1
CONST. 1030-25-70 CTH G R/W 1030-25-20 4.01

TRANSPORTATION PROJECT PLAT NO: 1030-25-20 - 4.02

THAT PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 AND THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 18, TOWNSHIP 4 NORTH, RANGE 22 EAST, IN THE TOWN OF CALEDONIA, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER IH 94 & CTH "G" RACINE COUNTY

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

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

HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
I-94 / USH 41	DJ 2277	1935	VARIES
I-94 / USH 41	DJ 2460	1938	VARIES
I-94 / USH 41	1101-1(3)	1956	VARIES
CTH "G"	1101-1(3)	1956	VARIES
CTH "G"	S 0855(2)	1963	VARIES

SCHEDULE OF LANDS & INTERESTS REQUIRED — OWNER NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.

PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED (ACRES) NEW	EXISTING	TOTAL	T.L.E. TEMP. ACRES	P.L.E. PERM. ACRES
5	STEVEN P. & TOULA PETROPOULOS KARIDES	FEE, AR	0.59	0.00	0.59	0.00	0.00
6	THE ESTATE OF P. MICHAEL FABINSKI, VENDOR & MOHSEN AMIRAN, VENDEE	FEE, AR	5.20	0.00	5.20	0.00	0.00
7	ELEANOR WILM REVOCABLE TRUST	FEE, PLE, AR, TLE	1.26	0.00	1.26	0.23	0.33
8	WISCONSIN ELECTRIC POWER COMPANY & WISCONSIN GAS AND ELECTRIC COMPANY	FEE, AR, TLE	0.08	0.00	0.08	0.01	0.00
9	SHANE E. & MELANIE MOORE	FEE	0.72	0.00	0.72	0.00	0.00
100	WE ENERGIES-DISTRIBUTION	ROR	--	--	--	--	--
101	WE ENERGIES-GAS	ROR	--	--	--	--	--

Y=212794.76
X=594300.92
CONCRETE MONUMENT W/ BRASS CAP

STA 1135+29.89
S 89°05'11" E
PC 1135+46.24
Y=212796.22
X=594209.20
N01°05'31"E 16.35'
N01°05'31"E 16.34'
85.73'
6.00'

100 PARCEL 5 V. 640, P. 254, DOC. 689790 PARCEL 8
101 PARCEL 8

ACCESS CONTROL SHOWN HERE IS PER PROJECT I-101-1(3) AND CONTROLS ACCESS BETWEEN FREEWAY FACILITIES AND ADJACENT FRONTAGE ROADS / ADJACENT LANDS

PI 1139+75.82
PT 1144+05.36
L = 859.27'
R = 34377.47'
LC = 859.25'
LCB = N00°22'33"E
N 01°13'53" E 2651.73' SECTION LINE
TOWN OF RAYMOND
VILLAGE OF CALEDONIA
℄ EXISTING IH 94 / USH 41
NO1°10'18"E
46.76'
3135
3140
3145
N05°03'10"E
PC 3134+57.41
PT 3135+75.39
PT 3136+94.48
2351.42'
3135+30.37
2304.66'
S 89°10'57" E
PC 3143+61.75
L = 28.08'
R = 34637.47'
LC = 28.08'
LCB = N00°19'01"W
PT 3146+98.50
3143+90.33
61.97'
N88°59'53"W
8.05'
3143+90.98
70.00'
3144+57.12
L = 367.68'
R = 1330.00'
LC = 366.51'
LCB = S13°21'00"W
1 AP
3147+78.00
70.00'
3146+72.00
92.00'
3148+83.84
S20°05'04"W 125.95'
PC 3150+04.16
PT 3150+79.16
75.00'
S89°11'01"E
3150+95.00
3150+10.72
70.00.00
N89°21'01"W
260'
N00°20'24"W 413.75'
1061.73'
THIS AREA IS ACCESS CONTROLLED PER PROJECT I-101-1(3)
PC 73+03.48
PT 73+10.49
PC 74+55.98
PT 74+82.78
PT 75+08.34
N29°42'26"E 75+67.55
N00°20'24"W 1252.93'
PC 1156+40.95
1157+21.37
WILM COURT
N00°17'34"W
389.18'
143.00'
115.80'
N18°06'16"W 68.88'
1158+64.44
223.63'
N01°13'53"E 96.81'
S89°11'17"E 3.43'
1155+32.58
244.99'
S79°21'13"E 110.04'
1159+11.58
243.61'
S23°24'32"W 147.28'
S47°11'48"E 156.75'
1155+11.71
353.01'
S00°48'43"W 162.14'
75+31.23
122.84'
N89°11'17"W 188.32'
246.17'
220.54'
213.75'
3156+53.18
3157+41.53
75.00'
136.27'
675.00'
N24°45'59"E
N01°24'44"E 92.87'
3159+93.00
75.00'
3159+95.00
97.00'
3160+25.00
199.83
N66°46'52"W 195.58'
3161+69.01
204.75'
117.04'
N01°13'53"E
3161+69.89
84.75'
3161+25.37
239.67'
3161+53.59
154.91'
S01°13'53"W 118.05'
3160+46.51
470.36'
S24°28'12"W
PC 3157+41.59
PT 3159+37.78
3160
3155
3150
3145
1 AP
TLE FOR SLOPES
TLE FOR STREAM RELOCATION
STREAM RELOCATION
RAMP
RUINS
RELOCATED EAST FRONTAGE ROAD
L = 523.54'
R = 24555.33'
LC = 523.53'
LCB = N00°16'15"E
141.74'
1161+81.95
49+94.38
PI 1161+48.67
S89°05'30"E 5.62'
STA 1161+81.96
CTH G OVER I-94
Y=215445.87
X=594357.91
CONCRETE MONUMENT W/ BRASS CAP
52+76.02
178.83'
N42°36'00"E 209.68'
54+57.48
134.59
S77°06'44"W 404.62'
54+57.27
203.09'
N00°59'16"E 68.50'
132.75'
21.00'
S01°13'53"W
56+69.28
62.00'
22.00'
57+81.00
62.00'
10.81'
N48°48'35"W
57+89.23
69.00'
3163+30.51
58+74.49
Y=215412.84
X=596688.59
CONCRETE MONUMENT W/ BRASS CAP
S89°11'17"E 2330.92'
1443.25'
154.92'
193.76'
133.05'
60.00'
3161+53.59
154.91'
S01°13'53"W 118.05'
60+28.97
60.00'
SEE TPP 1030-25-20-4.06
SEE TPP 1030-25-20-4.04
SECTION LINE
1/4 TH LINE
SW-SW
NW-SW
PL
1AP
SCALE, FEET
0 100 200
GN

CURVE 1 NEW RL I-94	CURVE 2 NEW RL I-94	CURVE 15 E. FRONTAGE RD.	CURVE 16 E.FRONTAGE RD.	CURVE 17 E. FRONTAGE RD.	CURVE 21 WILM COURT	CURVE 22 WILM COURT
P.I. = 1139+75.82	P.I. = 1161+48.67	P.I. = 3135+75.99	P.I. = 3146+98.50	P.I. = 3159+37.78	P.I. = 72+10.49	P.I. = 74+82.78
Y = 213242.08	Y = 215414.93	Y = 212839.73	Y = 213957.97	Y = 215034.25	Y = 214342.86	Y = 214635.68
X = 594217.70	X = 594204.80	X = 594347.85	X = 594446.72	X = 595081.96	X = 594429.47	X = 594427.97
Δ = 01°25'56"	Δ = 2°22'09"	Δ = 3°52'52"	Δ = 25°29'50"	Δ = 29°19'07"	Δ = 59°09'36"	Δ = 30°00'00"
D = 0°10'00"	D = 0°14'00"	D = 4°05'33"	D = 4°05'33"	D = 7°38'22"	D = 28°38'52"	D = 57°17'45"
R = 34371.47'	R = 24555.33'	R = 3500.00'	R = 1400.00'	R = 750.00'	R = 200.00'	R = 100.00'
T = 429.58'	T = 507.72'	T = 118.56'	T = 316.75'	T = 196.19'	T = 113.52'	T = 26.79'
L = 859.12'	L = 1015.30'	L = 237.08'	L = 623.02'	L = 383.78'	L = 206.51'	L = 52.36'

Y=212761.21
X=596652.09
CONCRETE MONUMENT W/ BRASS CAP

LOCATION MAP
NTS
RAYMOND
CALEDONIA
I-94
SHEET LOCATION

CONVENTIONAL ABBREVIATIONS

ACCESS POINT	AP	REFERENCE LINE	R/L
ACCESS RIGHTS	AR	REMAINING	REM.
ACRES	AC.	RIGHT-OF-WAY	R/W
AND OTHERS	ET. AL.	RELEASE OF RIGHTS	ROR
CENTERLINE	C/L	SECTION	SEC.
CERTIFIED SURVEY MAP	CSM	STATION	STA.
CORNER	COR.	TEMPORARY LIMITED EASEMENT	TLE
CONVEYANCE OF RIGHTS	CR	VOLUME	V.
DOCUMENT	DOC.	CURVE DATA	
EASEMENT	EASE.	LONG CHORD	LCH
LAND CONTRACT	LC	LONG CHORD BEARING	LCB
MONUMENT	MON.	RADIUS	R
PAGE	P.	DEGREE OF CURVE	D
PERMANENT LIMITED EASEMENT	PLE	CENTRAL ANGLE OR DELTA	DELTA
PROPERTY LINE	PL	LENGTH OF CURVE	L
RECORDED AS	(100)	TANGENT	TAN

CONVENTIONAL SYMBOLS

FOUND IRON PIPE/PIN	⌀ (UNLESS NOTED)	PROPOSED R/W LINE	
R/W MONUMENT	○ (WEST)	EXISTING H.E. LINE	
R/W STANDARD	△ (WEST)	PROPERTY LINE	
SIGN	SIGN	LOT & TIE LINES	
SECTION CORNER MONUMENT		SLOPE INTERCEPTS	
FEE (HATCH VARIES)		CORPORATE LIMITS	
TEMPORARY LIMITED EASEMENT		ACCESS RESTRICTED (BY PREVIOUS PROJECT-CONTROL)	
PERMANENT LIMITED EASEMENT		NO ACCESS (BY ACQUISITION)	
R/W BOUNDARY POINT	RW820	NO ACCESS (BY STATUTORY AUTHORITY)	
PARCEL NUMBER	102	SECTION LINE	
SIGN NUMBER (OFF PREMISE)	21-1	QUARTER LINE	
BUILDING		SIXTEENTH LINE	
		EXISTING CENTERLINE	
		PROPOSED REFERENCE LINE	
		PARALLEL OFFSET	

CONVENTIONAL UTILITY SYMBOLS

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

NOTES:

COORDINATES AND BEARINGS ON THE PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, RACINE COUNTY, NAD 1983 (1997) ADJUSTMENT. ALL DISTANCES ARE GROUND LENGTH AND ARE REFERENCED TO GPS HARN POINTS PARIS E, YORKVILLE E AND RAYMOND S.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (3/4" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT BY WISCONSIN DOT SOUTHEAST REGION SURVEY.

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

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

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE THE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHT TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WOULD NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE THE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE. ALL TLE EASEMENTS ARE TO TERMINATE UPON THE COMPLETION OF THIS PROJECT OR ON THE DAY THE HIGHWAY IS OPEN TO THE TRAVELING PUBLIC, WHICHEVER IS LATER.

IH 94 / USH 41 IS CONTROLLED ACCESS PER PROJECT I-101-1(3).

THIS IS A COPY. ORIGINAL DOCUMENT IS FILED AT THE RACINE COUNTY REGISTER OF DEEDS

WISCONSIN KEVIN M. CORNELL S-2150 Milwaukee, Wisconsin LAND SURVEYOR

Milwaukee Transportation Partners LLC

I, KEVIN M. CORNELL, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1030-25-00 - 4.02 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 11/07/07 (SIGNATURE) KEVIN M. CORNELL
AGENT FOR MILWAUKEE TRANSPORTATION PARTNERS, LLC
R.L.S. NUMBER 2150

THIS PLAT IS APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHEAST REGION.

DATE 11/08/07 (SIGNATURE)
(PRINTED NAME) Robert L. Duffeck

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1030-25-20-4.02
AMENDMENT NO:

Vol 1 Pg 48
DOC # 2154714
Recorded
NOV. 15, 2007 AT 02:25PM
JAMES A. LADWIG
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount:
163

FILE NAME : S:\prelimPMwork\18.PrelimDesign_CC\RealEstate\RW\cds\040402_rp.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 07-NOV-2007 16:18 PLOT BY : MSCCEJ PLOT NAME :
PLOT SCALE : 100:1
CONST. 1030-25-70 CTH G R/W 1030-25-20 4.02

TRANSPORTATION PROJECT PLAT NO: 1030-25-20 - 4.03

THAT PART OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4 AND THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 AND THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4 AND THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4 OF SECTION 13, TOWNSHIP 4 NORTH, RANGE 21 EAST, IN THE TOWN OF RAYMOND, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER IH 94 @ CTH "G" RACINE COUNTY

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

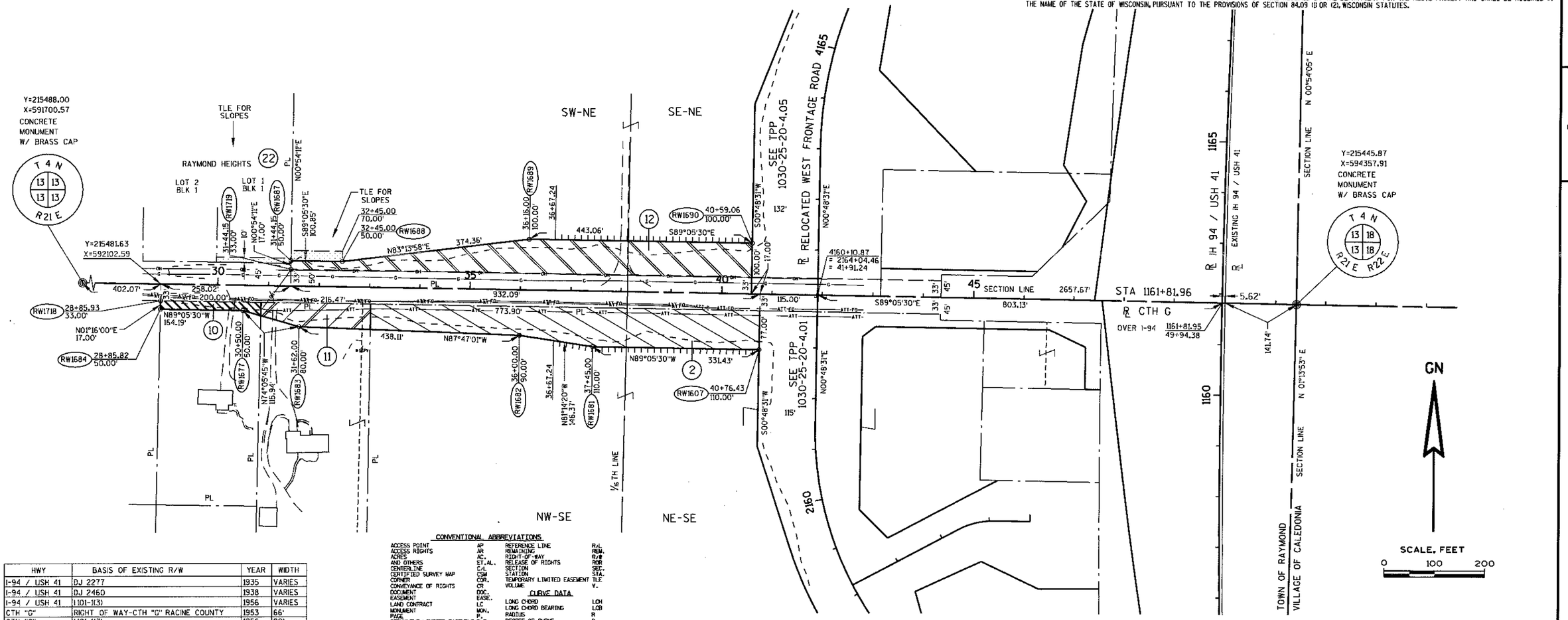
TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.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

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.

PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED (ACRES) NEW	EXISTING	TOTAL	T.L.E. TEMP. ACRES	P.L.E. PERM. ACRES
2	THOMAS R. THELEN & RICHARD J. THELEN	FEE, AR	1.17	0.00	1.17	0.00	0.00
10	DANIEL A. & CHERYL J. LUENEBURG	FEE	0.08	0.00	0.08	0.00	0.00
11	KEITH & JEAN HULBERT	FEE	0.22	0.00	0.22	0.00	0.00
12	7 MILE FAIR, INC.	FEE,AR,TLE	1.08	0.69	1.77	0.05	0.00
20	ELIMINATED						
21	REMOVED						
22	MEGHAN KISER	TLE	0.00	0.00	0.00	0.03	0.00
102	AT&T WISCONSIN	ROR	--	--	--	--	--

(102) PARCEL 2
PARCEL 11



HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
I-94 / USH 41	DJ 2277	1935	VARIES
I-94 / USH 41	DJ 2460	1938	VARIES
I-94 / USH 41	1101-1(3)	1956	VARIES
CTH "G"	RIGHT OF WAY-CTH "G" RACINE COUNTY	1953	66'
CTH "G"	1101-1(3)	1956	90'
CTH "G"	PLAT OF RAYMOND HEIGHTS	1957	45'

CONVENTIONAL ABBREVIATIONS

ACCESS POINT	AP	REFERENCE LINE	R/L
ACCESS RIGHTS	AR	REMAINING	REM.
ACRES	AC.	RIGHT-OF-WAY	R/W
AND OTHERS	ET.AL.	RELEASE OF RIGHTS	RSR
CENTERLINE	C/L	SECTION	SEC.
CERTIFIED SURVEY MAP	CSM	STATION	STA.
CORNER	COR.	TEMPORARY LIMITED EASEMENT	TLE
CONVEYANCE OF RIGHTS	CR	VOLUME	V.
DOCUMENT	DOC.		
EASEMENT	EASE.	CURVE DATA	
LAND CONTRACT	LC	LONG CHORD	LCH
MONUMENT	MON.	LONG CHORD BEARING	LCB
PAGE	P.	RADIUS	R
PERMANENT LIMITED EASEMENT	PLE	DEGREE OF CURVE	D
PROPERTY LINE	PL	CENTRAL ANGLE OR DELTA	DELTA
RECORDED AS	(000')	LENGTH OF CURVE	L
		TANGENT	TAN

CONVENTIONAL SYMBOLS

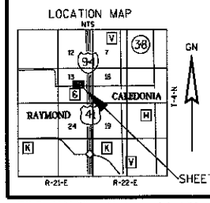
FOUND IRON PIPE/PIN (1" UNLESS NOTED)
R/W MONUMENT (SET)
R/W STANDARD (SET)
SIGN
SECTION CORNER MONUMENT
FEE (HATCH VARIES)
TEMPORARY LIMITED EASEMENT
PERMANENT LIMITED EASEMENT
R/W BOUNDARY POINT (RW020)
PARCEL NUMBER (102)
SIGN NUMBER (NOT PURCHASED) (21-)
BUILDING

PROPOSED R/W LINE
EXISTING H.E. LINE
PROPERTY LINE
LOT & TIE LINES
SLOPE INTERCEPTS
CORPORATE LIMITS
ACCESS RESTRICTED (BY PREVIOUS PROJECT/CONTROL)
NO ACCESS (BY ACQUISITION)
NO ACCESS (BY STATUTORY AUTHORITY)
SECTION LINE
QUARTER LINE
SIXTEENTH LINE
EXISTING CENTERLINE
PROPOSED REFERENCE LINE
PARALLEL OFFSET

CONVENTIONAL UTILITY SYMBOLS

	NON-COMPENSABLE	COMPENSABLE
WATER	W	
GAS	G	
TELEPHONE	T	
OVERHEAD TRANSMISSION LINES	OH	
ELECTRIC	E	
CABLE TELEVISION	TV	
FIBER OPTIC	FO	
SANITARY SEWER	SAN	
STORM SEWER	SS	
POWER POLE		
TELEPHONE POLE		
TELEPHONE PEDESTAL		
ELECTRIC TOWER		

LOCATION MAP



NOTES:

COORDINATES AND BEARINGS ON THE PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, RACINE COUNTY, NAD 1983 (1997) ADJUSTMENT, ALL DISTANCES ARE GROUND LENGTH AND ARE REFERENCED TO GPS HARN POINTS PARIS E, YORKVILLE E AND RAYMOND S.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (3/4" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT BY WISCONSIN DOT SOUTHEAST REGION SURVEY.

IH 94 / USH 41 IS CONTROLLED ACCESS PER PROJECT I-(52) 101-(2).

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

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

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE THE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE. ALL TLE EASEMENTS ARE TO TERMINATE UPON THE COMPLETION OF THIS PROJECT OR ON THE DAY THE HIGHWAY IS OPEN TO THE TRAVELING PUBLIC, WHICHEVER IS LATER.

THIS IS A COPY. ORIGINAL DOCUMENT IS FILED AT THE RACINE COUNTY REGISTER OF DEEDS

WISCONSIN
KEVIN M. CORNNELL
S-2150
Milwaukee, Wisconsin
LAND SURVEYOR

Milwaukee Transportation Partners LLC

I, KEVIN M. CORNNELL, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1030-25-00 - 4.03 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 11/07/07 (SIGNATURE)
KEVIN M. CORNNELL
AGENT FOR MILWAUKEE TRANSPORTATION PARTNERS, LLC
R.L.S. NUMBER 2150

THIS PLAT IS APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHEAST REGION.

DATE 11/09/07 (SIGNATURE)
(PRINTED NAME) Robert L. Dufleck

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1030-25-20-4.03
AMENDMENT NO:

Vol 1 Pg 49
DOC. # 2154755
Recorded
NOV. 15, 2007 AT 02:25PM

JAMES A. LADWIG
RACINE COUNTY
REGISTER OF DEEDS
Fee Receipt:

164

FILE NAME : S:\prelimPMwork\18.PrelimDesign_CG\RealEstate\RW\cds\040403_rp.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 07-NOV-2007 16:18
PLOT BY : MSCCEJ
PLOT NAME :
PLOT SCALE : 100:1
CONST. 1030-25-70 CTH G R/W 1030-25-20 4.03

SCHEDULE OF LANDS & INTERESTS REQUIRED		OWNER NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.					
PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED (ACRES) NEW	EXISTING	TOTAL	T.L.E. TEMP. ACRES	P.L.E. PERM. ACRES
6	THE ESTATE OF P. MICHAEL FABINSKI, VENDOR & MOHSEN AMIRAN, VENDEE	FEE, AR	0.36	0.00	0.36	0.00	0.00
13	JOHN B. & MARY ANN FELLNER	FEE, AR	0.18	0.00	0.18	0.00	0.00
14	ST. LOUIS CONGREGATION	AR,TLE	0.00	0.00	0.00	0.07	0.00
15	RANDOLPH L. & GINA KNIERIM	FEE,AR,TLE	0.04	0.00	0.04	0.07	0.00

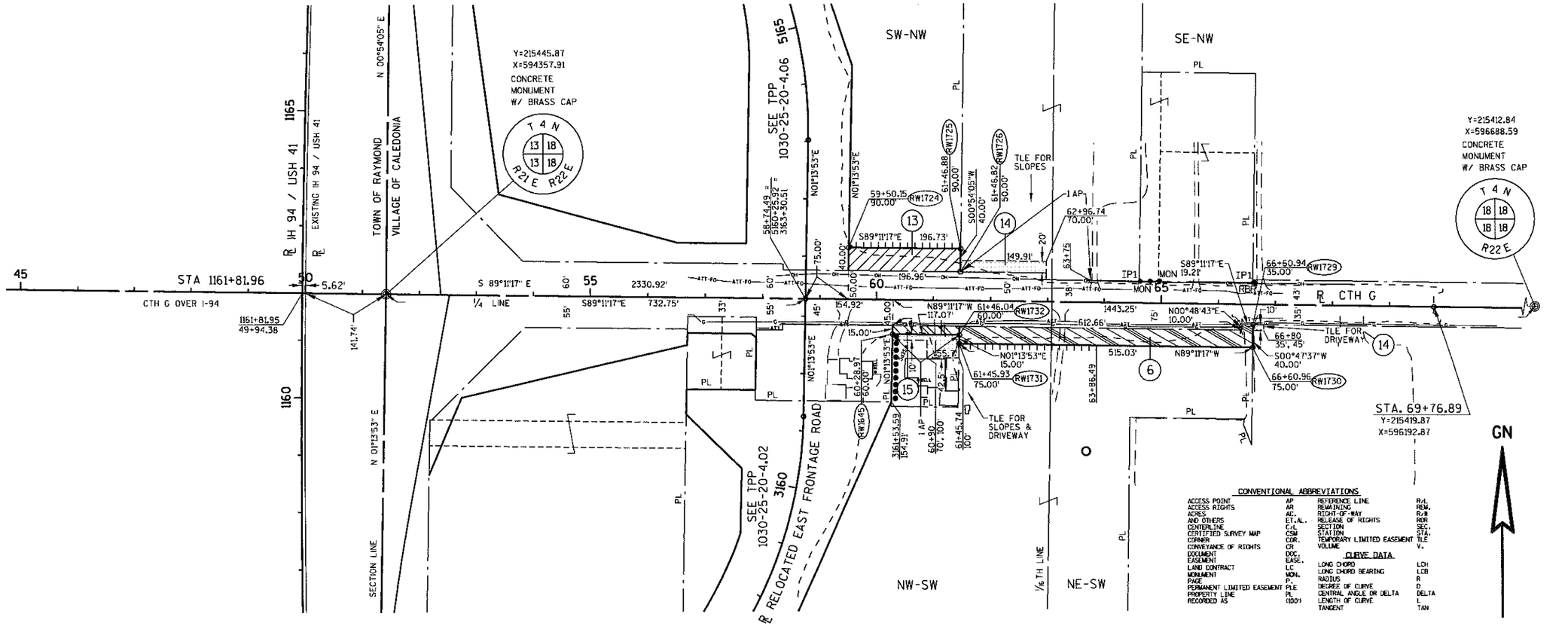
TRANSPORTATION PROJECT PLAT NO: 1030-25-20 - 4.04

THAT PART OF THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4 AND THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 AND THE SOUTHEAST 1/4 OF THE NORTHWEST 1/4 AND THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 18, TOWNSHIP 4 NORTH, RANGE 22 EAST, IN THE TOWN OF CALEDONIA, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER IH 94 @ CTH "C" RACINE COUNTY

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

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



CONVENTIONAL ABBREVIATIONS

ACCESS POINT	AP	REFERENCE LINE	R/L
ACCESS RIGHTS	AR	REMAINING	REM.
ACRES	AC.	RIGHT-OF-WAY	R/W
AND OTHERS	ET.AL.	RELEASE OF RIGHTS	ROR
CENTERLINE	C/L	SECTION	SEC.
CERTIFIED SURVEY MAP	CSM	STATION	STA.
CORNER	COR.	TEMPORARY LIMITED EASEMENT	TLE
CONVEYANCE OF RIGHTS	CR	VOLUME	V.
DOCUMENT	DOC.	**CURVE DATA**	
EASEMENT	EASE.	LONG CHORD	LCH
LAND CONTRACT	LC	LONG CHORD BEARING	LCB
MONUMENT	MON.	RADIUS	R
PAGE	P.	DEGREE OF CURVE	D
PERMANENT LIMITED EASEMENT	PLE	CENTRAL ANGLE OR DELTA	DELTA
PROPERTY LINE	PL	LENGTH OF CURVE	L
RECORDED AS	(100')	TANGENT	TAN

HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
I-94 / USH 41	DJ 2277	1935	VARIES
I-94 / USH 41	DJ 2460	1938	VARIES
I-94 / USH 41	1101-1(3)	1956	VARIES
CTH "G"	1101-1(3)	1956	VARIES
CTH "G"	S 0855(2)	1963	VARIES

LOCATION MAP
NTS
CALEDONIA
RAYMOND
R-21-E
R-22-E
T-4-N
GN
SHEET LOCATION

CONVENTIONAL SYMBOLS

FOUND IRON PIPE/PIN (LR 3177 UNLESS NOTED)
R/W MONUMENT
R/W STANDARD
SIGN
SECTION CORNER MONUMENT
FEE (MATCH VARIES)
TEMPORARY LIMITED EASEMENT
PERMANENT LIMITED EASEMENT
R/W BOUNDARY POINT (RW320)
PARCEL NUMBER (102)
SIGN NUMBER (21) (LEFT PRESSED)
BUILDING
PROPOSED R/W LINE
EXISTING H.E. LINE
PROPERTY LINE
LOT & TIE LINES
SLOPE INTERCEPTS
CORPORATE LIMITS
ACCESS RESTRICTED (BY PREVIOUS PROJECT/CONTROL)
NO ACCESS (BY ACQUISITION)
NO ACCESS (BY STATUTORY AUTHORITY)
SECTION LINE
QUARTER LINE
SIXTEENTH LINE
EXISTING CENTERLINE
PROPOSED REFERENCE LINE
PARALLEL OFFSET

CONVENTIONAL UTILITY SYMBOLS

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

NOTES:

THIS IS A COPY. ORIGINAL DOCUMENT IS FILED AT THE RACINE COUNTY REGISTER OF DEEDS

COORDINATES AND BEARINGS ON THE PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, RACINE COUNTY, NAD 1983 (1997) ADJUSTMENT. ALL DISTANCES ARE GROUND LENGTH AND ARE REFERENCED TO GPS HARN POINTS PARIS E, YORKVILLE E AND RAYMOND S.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (3/4" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT BY WISCONSIN DOT SOUTHEAST REGION SURVEY.

IH 94 / USH 41 IS CONTROLLED ACCESS PER PROJECT I-(52) 101-1(2).

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

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

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE THE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE. ALL TLE EASEMENTS ARE TO TERMINATE UPON THE COMPLETION OF THIS PROJECT OR ON THE DAY THE HIGHWAY IS OPEN TO THE TRAVELING PUBLIC, WHICHEVER IS LATER.

WISCONSIN
KEVIN M. CORNNELL
S-2150
Milwaukee, Wisconsin
LAND SURVEYOR

Milwaukee Transportation Partners LLC

I, KEVIN M. CORNNELL, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1030-25-00 - 4.04 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 11/07/07
(SIGNATURE)
KEVIN M. CORNNELL
AGENT FOR MILWAUKEE TRANSPORTATION PARTNERS, LLC
R.L.S. NUMBER 2150

THIS PLAT IS APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHEAST REGION.

DATE 11/09/07
(SIGNATURE)
Robert L. Duffeck
(PRINTED NAME)

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1030-25-20-4.04
AMENDMENT NO:

Vol 1 Pg 50
DOC # 2135475
Recorded
NOV. 15, 2007 AT 08:32PM
JAMES R LARSEN
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount:
165

FILE NAME : S:\prelimPMwork\18.PrelimDesign_CG\RealEstate\RW\cds\040404_rp.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 07-NOV-2007 16:18
PLOT BY : MSCCEJ
PLOT NAME :
PLOT SCALE : 100:1
CONST. 1030-25-70 CTH G R/W 1030-25-20 4.04

TRANSPORTATION PROJECT PLAT NO: 1030-25-20 - 4.05

THAT PART OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 AND THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 13, TOWNSHIP 4 NORTH, RANGE 21 EAST, IN THE TOWN OF RAYMOND, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER IH 94 @ CTH "G" RACINE COUNTY

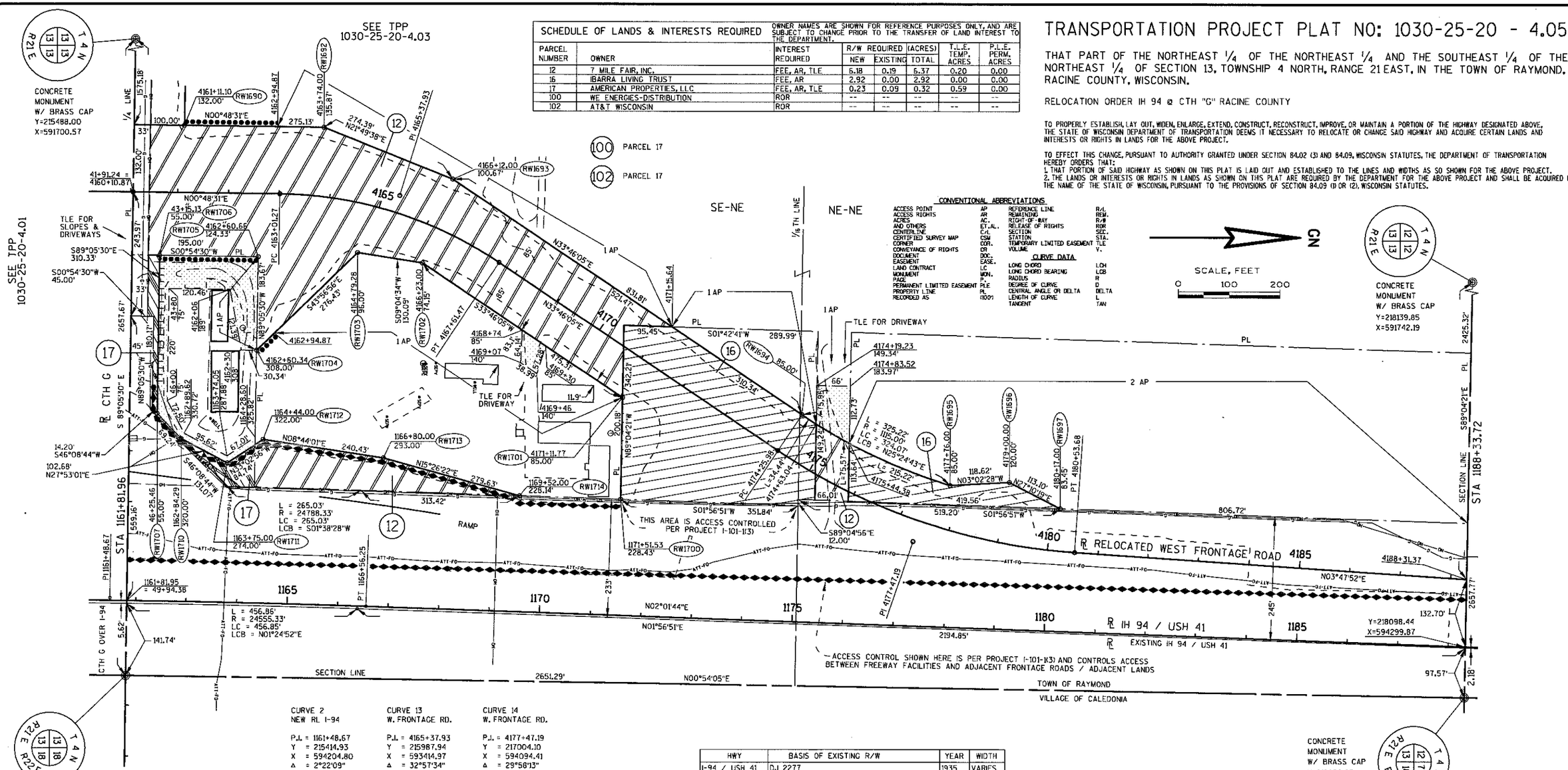
TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN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

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SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.

PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED (ACRES) NEW	EXISTING	TOTAL	T.L.E. TEMP. ACRES	P.L.E. PERM. ACRES
12	7 MILE FAIR, INC.	FEE, AR, TLE	5.18	0.19	5.37	0.20	0.00
16	IBARRA LIVING TRUST	FEE, AR	2.92	0.00	2.92	0.00	0.00
17	AMERICAN PROPERTIES, LLC	FEE, AR, TLE	0.23	0.09	0.32	0.59	0.00
100	WE ENERGIES-DISTRIBUTION	ROR	--	--	--	--	--
102	AT&T WISCONSIN	ROR	--	--	--	--	--



CONVENTIONAL ABBREVIATIONS

ACCESS POINT	AP	REFERENCE LINE	R/L
ACCESS RIGHTS	AR	REMAINING	REM.
ACRES	AC.	RIGHT-OF-WAY	R/W
AND OTHERS	ET.AL.	RELEASE OF RIGHTS	ROR
CENTERLINE	C/L	SECTION	SEC.
CERTIFIED SURVEY MAP	CSM	STATION	STA.
CORNER	COR.	TEMPORARY LIMITED EASEMENT	TLE
CONVEYANCE OF RIGHTS	CR	VOLUME	V.
DOCUMENT	DOC.		
EASEMENT	EASE.	**CURVE DATA**	
LAND CONTRACT	LC	LONG CHORD	LCH
MONUMENT	MON.	LONG CHORD BEARING	LCB
PAGE	P.	RADIUS	R
PERMANENT LIMITED EASEMENT	PLE	DEGREE OF CURVE	D
PROPERTY LINE	PL	CENTRAL ANGLE OR DELTA	DELTA
RECORDED AS	(100')	LENGTH OF CURVE	L
		TANGENT	TAN

CURVE 2 — NEW RL I-94

P.I. = 1161+48.67
Y = 215414.93
X = 594204.80
Δ = 2°22'09"
D = 0°14'00"
R = 24555.33'
T = 507.72'
L = 1015.30'

CURVE 13 — W. FRONTAGE RD.

P.I. = 4165+37.93
Y = 215987.94
X = 593414.97
Δ = 32°57'34"
D = 7°09'43"
R = 800.00'
T = 236.66'
L = 460.20'

CURVE 14 — W. FRONTAGE RD.

P.I. = 4177+47.19
Y = 217004.10
X = 594094.41
Δ = 29°58'13"
D = 4°46'29"
R = 1200.00'
T = 321.21'
L = 627.70'

HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
I-94 / USH 41	DJ 2277	1935	VARIES
I-94 / USH 41	DJ 2460	1938	VARIES
I-94 / USH 41	I101-1(3)	1956	VARIES
CTH "C"	RIGHT OF WAY-CTH "G" RACINE COUNTY	1953	66'
CTH "G"	I101-1(3)	1956	90'

CONVENTIONAL SYMBOLS

FOUND IRON PIPE/PIN (UE 1/2" UNLESS NOTED)
R/W MONUMENT (○ OFFSET)
R/W STANDARD (△ OFFSET)
SIGN (SIGN)
SECTION CORNER MONUMENT
FEE (HATCH VARIES)
TEMPORARY LIMITED EASEMENT
PERMANENT LIMITED EASEMENT
R/W BOUNDARY POINT (PRESENT)
PARCEL NUMBER (102)
SIGN NUMBER (OFF PREMISE) (21+)
BUILDING
HOLDING TANK (T)

PROPOSED R/W LINE
EXISTING H.E. LINE
PROPERTY LINE
LOT & TIE LINES
SLOPE INTERCEPTS
CORPORATE LIMITS
ACCESS RESTRICTED (BY PREVIOUS PROJECT-CONTROL)
NO ACCESS (BY ACQUISITION)
NO ACCESS (BY STATUTORY AUTHORITY)
SECTION LINE
QUARTER LINE
SIXTEENTH LINE
EXISTING CENTERLINE
PROPOSED REFERENCE LINE
PARALLEL OFFSET

CONVENTIONAL UTILITY SYMBOLS

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

LOCATION MAP
SHEET LOCATION

THIS IS A COPY. ORIGINAL DOCUMENT IS FILED AT THE RACINE COUNTY REGISTER OF DEEDS

NOTES:

COORDINATES AND BEARINGS ON THE PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, RACINE COUNTY, NAD 1983 (1997) ADJUSTMENT, ALL DISTANCES ARE GROUND LENGTH AND ARE REFERENCED TO GPS HARN POINTS PARIS E, YORKVILLE E AND RAYMOND S.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (3/4" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT BY WISCONSIN DOT SOUTHEAST REGION SURVEY.

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

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

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE THE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE. ALL TLE EASEMENTS ARE TO TERMINATE UPON THE COMPLETION OF THIS PROJECT OR ON THE DAY THE HIGHWAY IS OPEN TO THE TRAVELING PUBLIC, WHICHEVER IS LATER.

IH 94 / USH 41 IS CONTROLLED ACCESS PER PROJECT I-101-1(3).

WISCONSIN KEVIN M. CORNNELL S-2150 Milwaukee, Wisconsin LAND SURVEYOR

Milwaukee Transportation Partners LLC

I, KEVIN M. CORNNELL, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1030-25-00 - 4.05 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 11/07/07 (SIGNATURE) ____
KEVIN M. CORNNELL
AGENT FOR MILWAUKEE TRANSPORTATION PARTNERS, LLC
R.L.S. NUMBER 2150

THIS PLAT IS APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHEAST REGION.

DATE 11/09/07 (SIGNATURE) ____
(PRINTED NAME) Robert L. Duffeck

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1030-25-20-4.05
AMENDMENT NO:

Vol 1 Pg 51
DOC # 2134717
Recorded
NOV. 15, 2007 AT 02:36PM
JAMES A LADWIG
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount:
166

FILE NAME : S:\prelimPMwork\18.PrelimDesign_CG\RealEstate\RW\cds\040405_rp.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 07-NOV-2007 16:18
PLOT BY : MSCCEJ
PLOT NAME :
PLOT SCALE : 100:1
CONST. 1030-25-70 CTH G R/W 1030-25-20 4.05

TRANSPORTATION PROJECT PLAT NO: 1030-25-20 - 4.06

THAT PART OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 AND SOUTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 18, TOWNSHIP 4 NORTH, RANGE 22 EAST, IN THE TOWN OF CALEDONIA, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER IH 94 & CTH "G" RACINE COUNTY

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

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

SCHEDULE OF LANDS & INTERESTS REQUIRED — OWNER NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.

PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED (ACRES) NEW	EXISTING	TOTAL	T.L.E. TEMP. ACRES	P.L.E. PERM. ACRES
13	JOHN B. & MARY ANN FELLNER	FEE, PLE, AR, TLE	5.37	0.00	5.37	0.11	1.41
18	THOMAS R. & CAROL A. THELEN	FEE, AR	1.79	0.00	1.79	0.00	0.00
19	RICHARD J. & LINDA L. THELEN	FEE, AR	0.27	0.00	0.27	0.00	0.00
100	WE ENERGIES-DISTRIBUTION	ROR	--	--	--	--	--
102	AT&T WISCONSIN	ROR	--	--	--	--	--

CONVENTIONAL ABBREVIATIONS

ACCESS POINT	AP	REFERENCE LINE	R/L
ACCESS RIGHTS	AR	REMAINING	REM.
ACRES	AC.	RIGHT-OF-WAY	R/W
AND OTHERS	ET.AL.	RELEASE OF RIGHTS	ROR
CENTERLINE	C/L	SECTION	SEC.
CERTIFIED SURVEY MAP	CSM	STATION	STA.
CORNER	COR.	TEMPORARY LIMITED EASEMENT	TLE
CONVEYANCE OF RIGHTS	CR	VOLUME	V.
DOCUMENT	DOC.	**CURVE DATA**	
EASEMENT	EASE.	LONG CHORD	LCH
LAND CONTRACT	LC	LONG CHORD BEARING	LCB
MONUMENT	MON.	RADIUS	R
PAGE	P.	DEGREE OF CURVE	D
PERMANENT LIMITED EASEMENT	PLE	CENTRAL ANGLE OR DELTA	DELTA
PROPERTY LINE	PL	LENGTH OF CURVE	L
RECORDED AS	(DOC#)	TANGENT	TAN

(100) PARCEL 13
V. 632, P. 210, DOC. 582301

(102) PARCEL 13

SEE TPP 1030-25-20-4.05

SEE TPP 1030-25-20-4.02

SEE TPP 1030-25-20-4.04

CONCRETE MONUMENT W/ BRASS CAP
Y=215445.87
X=594357.91

CONCRETE MONUMENT W/ BRASS CAP
Y=215412.84
X=596688.59

CONCRETE MONUMENT W/ BRASS CAP
Y=218096.83
X=594399.61

CONCRETE MONUMENT W/ BRASS CAP
Y=218063.66
X=596711.42

Y=218098.44
X=594299.87

PI 1161+48.67 — STA 1161+81.96 CTH G OVER I-94 — 5.62'

1161+81.95 = 49+94.38

L = 456.86'
R = 24555.33'
LC = 456.85'
LCB = N01°24'52"E

PT 1166+56.25

141.74'

S89°05'30"E

TOWN OF RAYMOND — SECTION LINE — VILLAGE OF CALEDONIA

ACCESS CONTROL SHOWN HERE IS PER PROJECT I-101-1(3) AND CONTROLS ACCESS BETWEEN FREEWAY FACILITIES AND ADJACENT FRONTAGE ROADS / ADJACENT LANDS

℄ IH 94 / USH 41 — ℄ EXISTING IH 94 / USH 41

PI 5178+54.29 — 2194.85' — N 00°54'05" E 2651.29'

STA 1188+33.72 S89°04'21"E — 97.57' — 2.18

RW1738 53+38.00 176.00'

1164+15.93 RAMP

N00°54'05"E 554.93'

1169+30.00 249.27' RW1737

IP1

5176+27.69 RW1743 79.89'

5183+11.75 52.00' RW1744

5183+11.78 70.00' RW1745

5188+36.68

47.00'

S89°10'41"E 18.00'

415.56' L=330.11'

699.20'

283.64'

THIS AREA IS ACCESS CONTROLLED PER PROJECT I-101-1(3)

1/4 LINE

S07°37'41"E 572.97'

N43°52'52"W 180.02'

PLE FOR STREAM RELOCATION

N34°24'47"W 243.65'

N15°43'39"W 164.38'

1165+76.00 244.00' (PLE175)

1167+34.00 356.00' (PLE175)

N07°52'55"W 249.31'

℄ CTH G

60'

55

554.68'

523.31'

S14°40'45"E 176.63'

5480.00 139.29' (PLE175)

S89°11'17"E 732.75'

2330.92'

N89°11'17"W 119.18'

56+51.00 95.00' RW1739

57+70.18 95.00' RW1740

RW1741

5164+45.03 33.85'

5163+09.91

NO1°13'53"E 307.52'

58+74.49 = 5160+25.92

60'

50'

10.00' N00°48'43"E

NO1°13'53"E

75'

N89°11'17"W 114.54'

50.00'

S01°13'53"W 593.50' 50.00' RW1724

S01°13'53"W 40.00'

1523.17'

60'

TLE FOR SLOPES

PC 5163+02.67

15'

5163+09.91

5164+22.00 84.82' RW1749

PI 5165+26.68

282.40'

S18°02'24"E 72.41'

5166+80.00 RW1748

5172+94.18

1 AP

896.99'

342.31'

163.12'

256.16'

N30°03'14"W 554.68'

N30°03'14"W 535.79'

℄ RELOCATED EAST FRONTAGE ROAD

S30°03'14"E 791.95'

5172+10.47

PC 5174+66.63 70.00' RW1747

L=388.45'
R = 718.56'
R = 1330.00'
LC = 709.85'
LCB = S14°34'35"E

PT 5182+23.01 70.00' RW1746

S00°54'05"W 88.77'

PL

2265.06'

SECTION LINE

2312.06'

S 89°10'41" E

CURVE 2 NEW ℄ I-94
P.I. = 1161+48.67
Y = 215414.93
X = 594204.80
Δ = 02°22'09"
D = 00°14'00"
R = 24555.33'
T = 507.72'
L = 1015.30'

CURVE 18 E. FRONTAGE RD.
P.I. = 5165+26.68
Y = 215936.13
X = 595101.35
Δ = 31°17'07"
D = 07°09'43"
R = 800.00'
T = 224.01'
L = 436.83'

CURVE 19 E. FRONTAGE RD.
P.I. = 5178+54.29
Y = 217094.94
X = 594430.85
Δ = 30°57'19"
D = 04°05'33"
R = 1400.00'
T = 387.67'
L = 756.38'

SW-NW

NW-NW

⅛TH LINE

GN

SCALE, FEET
0 100 200

HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
I-94 / USH 41	DJ 2277	1935	VARIES
I-94 / USH 41	DJ 2460	1938	VARIES
I-94 / USH 41	I 101-1(3)	1956	VARIES
CTH "G"	I 101-1(3)	1956	VARIES
CTH "G"	S 0855(2)	1963	VARIES

THIS IS A COPY. ORIGINAL DOCUMENT IS FILED AT THE RACINE COUNTY REGISTER OF DEEDS

LOCATION MAP
NTS
SHEET LOCATION

CONVENTIONAL SYMBOLS

FOUND IRON PIPE/PIN	⅝" UNLESS NOTED	PROPOSED R/W LINE	
R/W MONUMENT	○ (BRASS)	EXISTING H.E. LINE	
R/W STANDARD	△ (BRASS)	PROPERTY LINE	
SIGN	SIGN	LOT & TIE LINES	
SECTION CORNER MONUMENT		SLOPE INTERCEPTS	
FEE (HATCH VARIES)		CORPORATE LIMITS	
TEMPORARY LIMITED EASEMENT		ACCESS RESTRICTED (BY PREVIOUS PROJECT/CONTROL)	
PERMANENT LIMITED EASEMENT		NO ACCESS (BY ACQUISITION)	
R/W BOUNDARY POINT	PB026	NO ACCESS (BY STATUTORY AUTHORITY)	
PARCEL NUMBER	102	SECTION LINE	
SIGN NUMBER (OFF PROPOSE)	21-1	QUARTER LINE	
BUILDING		SIXTEENTH LINE	
		EXISTING CENTERLINE	
		PROPOSED REFERENCE LINE	
		PARALLEL OFFSET	

CONVENTIONAL UTILITY SYMBOLS

	NON COMPENSABLE	COMPENSABLE
WATER	W	
GAS	G	
TELEPHONE	T	
OVERHEAD TRANSMISSION LINES	OH	
ELECTRIC	E	
CABLE TELEVISION	TV	
FIBER OPTIC	FO	
SANITARY SEWER	SAN	
STORM SEWER	SS	
POWER POLE	○	●
TELEPHONE POLE	⌀	⌀
TELEPHONE PEDESTAL	⌧	⌧
ELECTRIC TOWER	⊠	

NOTES:

COORDINATES AND BEARINGS ON THE PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, RACINE COUNTY, NAD 1983 (1997) ADJUSTMENT. ALL DISTANCES ARE GROUND LENGTH AND ARE REFERENCED TO GPS HARN POINTS PARIS E, YORKVILLE E AND RAYMOND S.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (3/4" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT BY WISCONSIN DOT SOUTHEAST REGION SURVEY.

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

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

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE THE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHT TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WOULD NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE THE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE. ALL TLE EASEMENTS ARE TO TERMINATE UPON THE COMPLETION OF THIS PROJECT OR ON THE DAY THE HIGHWAY IS OPEN TO THE TRAVELING PUBLIC, WHICHEVER IS LATER.

IH 94 / USH 41 IS CONTROLLED ACCESS PER PROJECT I-101-1(3).

WISCONSIN — KEVIN M. CORNNELL — S-2150 — Milwaukee, Wisconsin — LAND SURVEYOR

Milwaukee Transportation Partners LLC

I, KEVIN W. CORNNELL, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1030-25-00 - 4.06 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 11/07/07 (SIGNATURE) KEVIN W. CORNNELL AGENT FOR MILWAUKEE TRANSPORTATION PARTNERS, LLC R.L.S. NUMBER 2150

THIS PLAT IS APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHEAST REGION.

DATE 11/09/07 (SIGNATURE) (PRINTED NAME) Robert L. Duffeck

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1030-25-204.06
AMENDMENT NO:

Vol 1 Pg 52
DOC # 2154735
Recorded
NOV. 15, 2007 AT 03:16PM

James A. Ladwig

JAMES A LADWIG
RACINE COUNTY
REGISTER OF DEEDS
Fee Receipt: 167

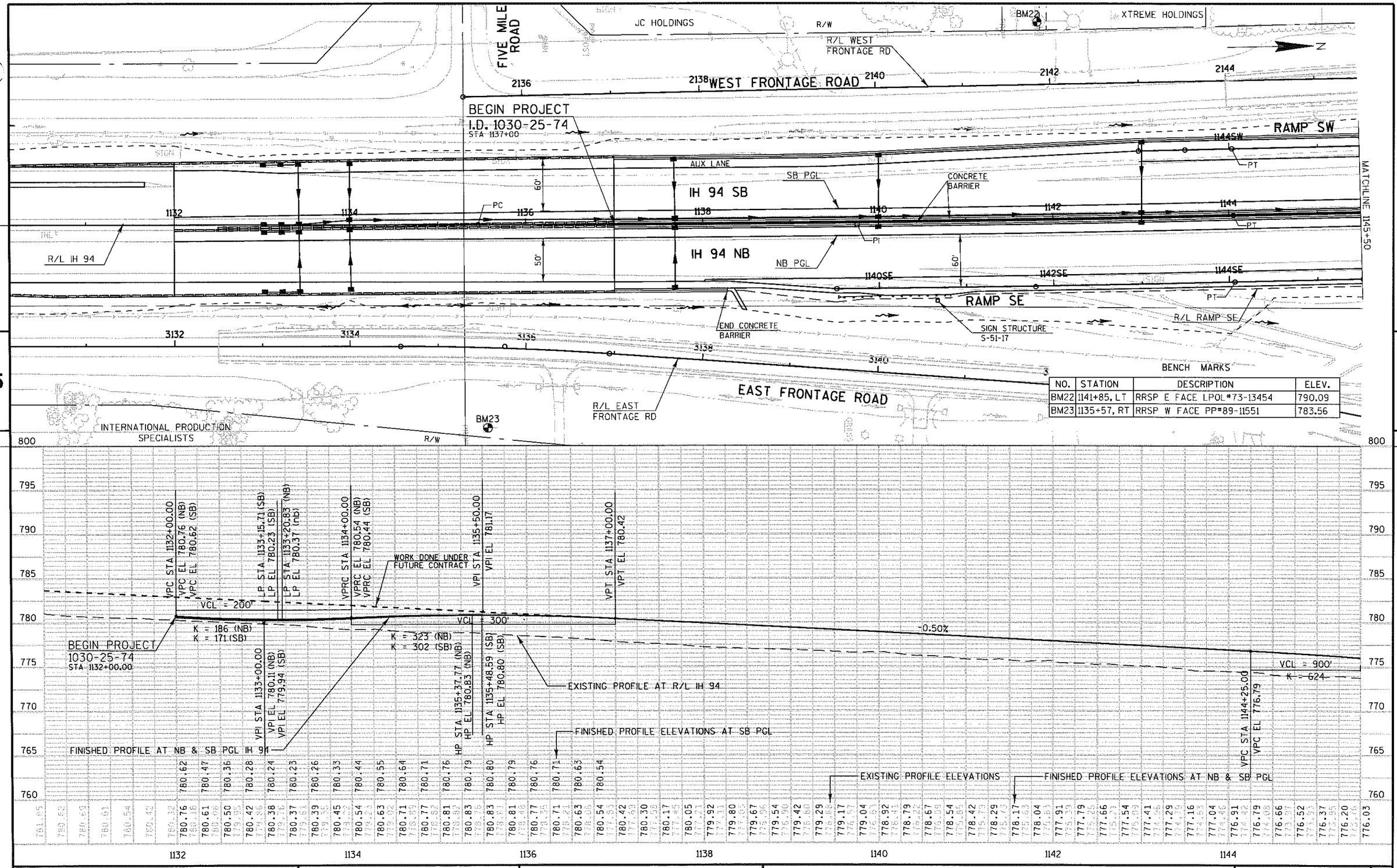
FILE NAME : S:\prelimPMwork\18.PrelimDesign_CG\RealEstate\RW\cds\040406_rp.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 07-NOV-2007 16:18
PLOT BY : MSCCEJ
PLOT NAME :
PLOT SCALE : 100:1
CONST. 1030-25-70 CTH G R/W 1030-25-20 4.06

4

COORDINATE TABLE		
POINT NAME	NORTHING	EASTING
1600	213644.47	594001.30
1601	213644.94	593971.30
1602	214011.68	593969.13
1603	214457.58	593748.53
1604	214666.21	593537.35
1605	214961.91	593354.08
1606	215161.62	593288.29
1607	215352.77	593280.99
1608	215276.01	593969.13
1609	215276.49	593939.14
1610	215359.59	593939.97
1611	215393.64	593867.28
1612	215396.11	593522.32
1613	215379.21	593496.38
1614	215037.34	593491.56
1615	214981.76	593547.92
1616	215096.26	593765.55
1617	215083.05	593968.29
1618	214882.86	593968.96
1619	214882.14	593847.95
1620	214936.13	593733.46
1621	214876.45	593603.32
1622	214785.09	593635.04
1623	214562.16	593851.84
1624	214460.68	593940.39
1625	214460.86	593971.46
1626	215394.47	593815.29
1627	215385.47	593815.14
1628	215396.19	593706.30
1629	215387.19	593706.16
1645	215373.30	595244.20
1646	215255.28	595241.65
1647	214827.17	595046.83
1648	214192.63	594672.31
1649	214074.34	594629.06
1650	214001.61	594573.98
1651	213645.01	594489.35
1652	213645.15	594481.30
1654	214800.41	594453.44
1655	214785.48	594592.83
1656	214617.96	594559.29
1657	214619.14	594475.53
1658	214346.58	594569.00
1659	214903.41	594917.65
1660	215026.94	594974.64
1661	215119.78	594976.93
1662	215161.41	594879.90
1663	215278.42	594882.41
1664	215276.72	595002.40
1665	215367.70	595004.36
1666	215374.82	594996.23
1667	215376.40	594884.52
1668	215355.40	594884.07
1669	215265.16	594489.65
1670	215130.00	594431.13
1673	215158.65	594604.65
1674	215238.32	594670.52
1675	215306.81	594671.71
1678	214923.14	593968.72
1681	215368.03	592959.60
1682	215380.32	592814.94
1683	215397.27	592377.15
1684	215431.64	592101.48

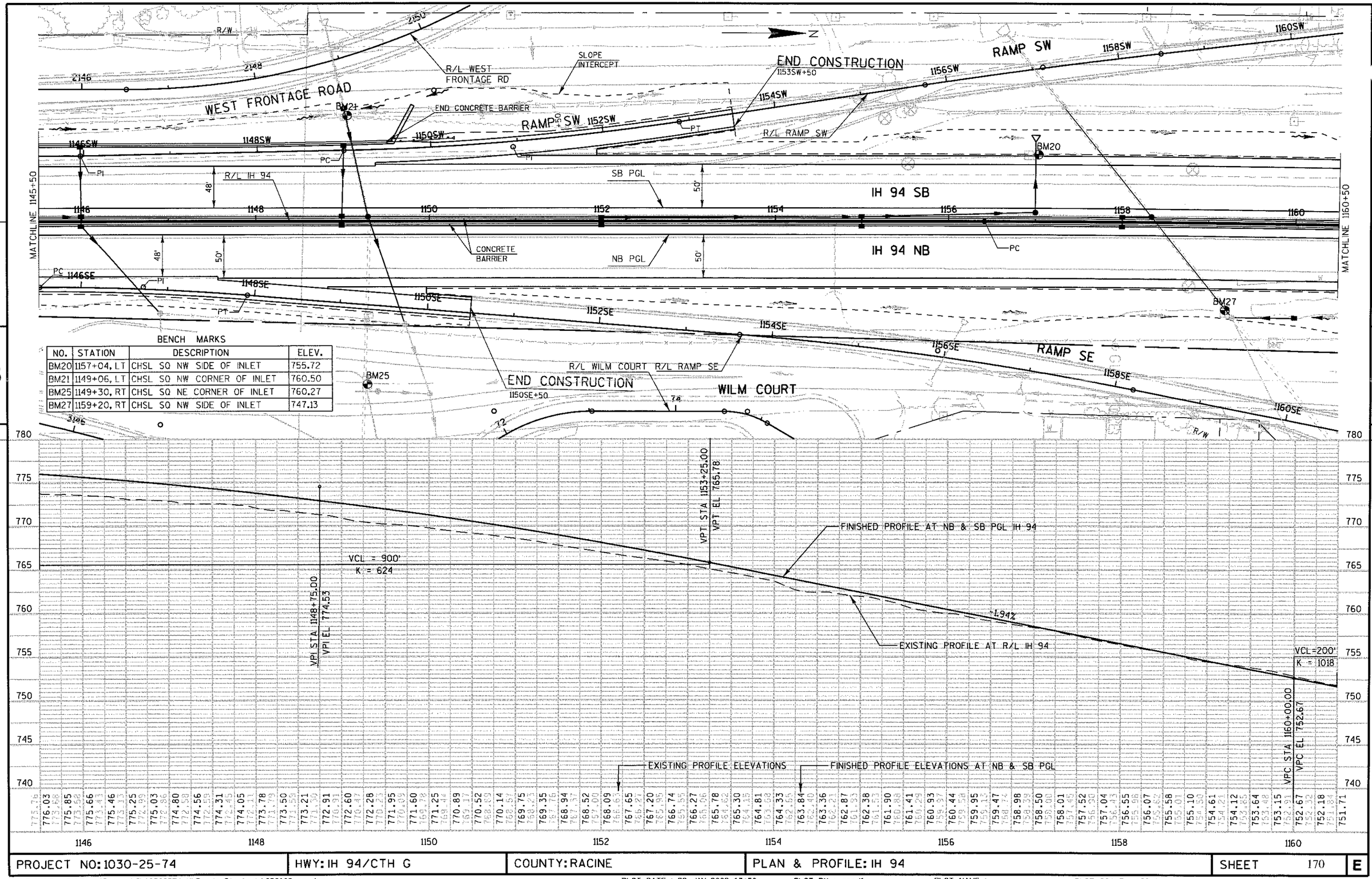
COORDINATE TABLE		
POINT NAME	NORTHING	EASTING
1687	215527.53	592361.36
1688	215526.93	592462.20
1689	215570.05	592833.95
1690	215563.02	593276.95
1692	215836.13	593280.84
1693	216092.85	593382.86
1694	216784.33	593845.21
1695	217077.05	593984.28
1696	217195.51	593977.98
1697	217296.12	594029.63
1700	216425.40	594012.03
1701	216428.64	593811.88
1702	216033.52	593547.69
1703	215905.05	593527.17
1704	215706.03	593719.02
1705	215708.94	593535.37
1706	215513.97	593532.28
1707	215509.05	593842.56
1710	215557.02	593892.49
1711	215647.78	593940.51
1712	215718.81	593894.30
1713	215956.45	593930.81
1714	216225.99	594005.25
1717	215448.64	592101.86
1718	215448.64	592101.86
1719	215510.53	592361.09
1720	215388.30	595244.52
1724	215524.40	595167.51
1725	215521.62	595364.22
1726	215481.62	595363.59
1729	215389.34	595876.46
1730	215349.35	595875.91
1731	215356.65	595360.93
1732	215371.64	595361.25
1737	216187.10	594481.58
1738	215619.07	594556.65
1739	215533.64	594868.47
1740	215531.95	594987.63
1741	215839.40	594994.24
1742	216094.97	594928.57
1743	216871.36	594479.34
1744	217570.47	594490.34
1745	217570.22	594508.34
1746	217481.45	594506.94
1747	216794.45	594685.59
1748	216108.97	595082.21
1749	215842.02	595174.34
1750	215627.86	594663.84
1751	215986.09	594619.28
1752	215580.32	594698.11
1753	214476.14	594476.38
1754	214357.85	594539.20

FILE NAME : S:\prelimPMwork\18.PrelimDesign_CG\RealEstate\RW\cds\040407_rp.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 07-NOV-2007 16:18 PLOT BY : MSCCEJ PLOT NAME : PLOT SCALE : 100:1
CONST. 1030-25-70 CTH G R/W 1030-25-20 4.07



PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	PLAN & PROFILE: IH 94	SHEET 169	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\050101_pp.dgn
PLOT DATE : 17-MAR-2009 15:25
PLOT BY : MSCESG
PLOT NAME :
PLOT SCALE : 100:1
WISDOT/CADDS SHEET 40



BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
BM20	1157+04, LT	CHSL SQ NW SIDE OF INLET	755.72
BM21	1149+06, LT	CHSL SQ NW CORNER OF INLET	760.50
BM25	1149+30, RT	CHSL SQ NE CORNER OF INLET	760.27
BM27	1159+20, RT	CHSL SQ NW SIDE OF INLET	747.13

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	PLAN & PROFILE: IH 94	SHEET 170 E

BENCH MARKS

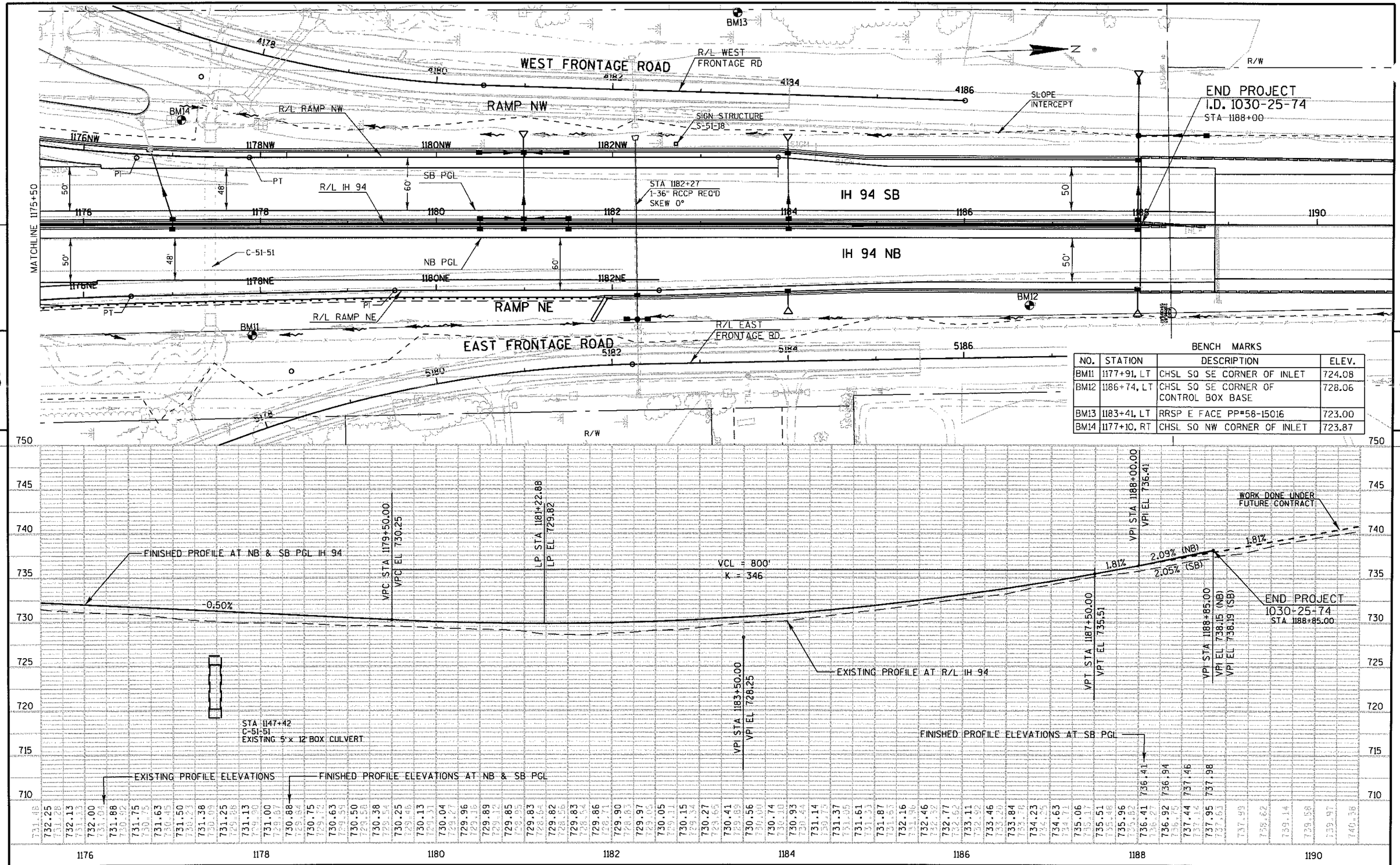
NO.	STATION	DESCRIPTION	ELEV.
BM10	1170+77, RT	MAG NAIL S END 48IN CMCP	731.82
BM16	1170+78, LT	RRSP E FACE PP*58-15010	740.27
BM100	1161+68, LT	CAP IN SW CORNER OF CTH G BRIDGE	774.50

CTH G
RAMP NW
R/L RAMP NW
B-51-138
BM100
BM16
BEGIN CONSTRUCTION
STA. 1173NW+50
DETENTION POND
R/L IH 94
IH 94 SB
SB PGL
IH 94 NB
NB PGL
R/L CTH G
MATCHLINE 1160+50
MATCHLINE 1175+50
RAMP NE
R/L RAMP NE
SLOPE INTERCEPT
BEGIN CONSTRUCTION
STA. 1172NE+50
BM10
R/W
PT
PI
PC

VPC STA 1166+00.00
VPC EL 741.99
-1.75%
VCL = 800'
K = 642
-0.50%
FINISHED PROFILE AT NB & SB PGL IH 94
EXISTING PROFILE AT R/L IH 94
VCL = 200'
K = 1018
-1.75%
VPI STA 1161+00.00
VPI EL 750.72
VPT STA 1162+00.00
VPT EL 748.98
VPI STA 1170+00.00
VPI EL 735.00
VPT STA 1174+00.00
VPT EL 733.00

EXISTING PROFILE ELEVATIONS
FINISHED PROFILE ELEVATIONS AT NB & SB PGL

| | | |



BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
BM11	1177+91, LT	CHSL SQ SE CORNER OF INLET	724.08
BM12	1186+74, LT	CHSL SQ SE CORNER OF CONTROL BOX BASE	728.06
BM13	1183+41, LT	RRSP E FACE PP#58-15016	723.00
BM14	1177+10, RT	CHSL SQ NW CORNER OF INLET	723.87

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	PLAN & PROFILE: IH 94	SHEET 172	E

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
BM13	1183NW+41, LT	RRSP E FACE PP#58-15016	723.00
BM14	1177NW+09, RT	CHSL SQ NW CORNER OF INLET	723.87

N

IBARRA

R/W

R/W

DETENTION POND

BM13

BM14

R/L WEST FRONTAGE RD

WEST FRONTAGE ROAD

SLOPE INTERCEPT

R/L RAMP NW

RAMP NW

SIGN STRUCTURE S-51-18

BEGIN CONSTRUCTION
STA 1173NW+50

PC

PI

PT

CONCRETE BARRIER

R/L IH 94

IH 94 SB

5

5

VPI STA 1169+50.00
VPI EL 743.78

VCL = 500'
K = 123

BEGIN CONSTRUCTION
STA 1173NW+50.00

-4.49%

-0.42%

-0.30%

-0.25%

-0.13%

-0.03%

VPI STA 1172+00.00
VPI EL 732.56

VPT STA 1174+50.00
VPT EL 731.51

VPI STA 1175+00.00
VPI EL 731.30

VPI STA 1176+00.00
VPI EL 731.00

VPI STA 1177+00.00
VPI EL 730.75

VPI STA 1178+00.00
VPI EL 730.62

VPI STA 1178+30.00
VPI EL 730.61

FINISHED PROFILE AT R/L RAMP NW

EXISTING PROFILE AT R/L RAMP NW

EXISTING PROFILE ELEVATIONS

FINISHED PROFILE ELEVATIONS

1172NW	1174NW	1176NW	1178NW	1180NW	1182NW	1184NW	1186NW
735.10	734.51	733.98	733.49	733.06	732.67	732.34	732.05
731.82	731.64	731.51	731.41	731.30	731.23	731.15	731.08
731.00	730.94	730.87	730.81	730.75	730.72	730.68	730.65
730.62	730.61						

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	PLAN & PROFILE: RAMP NW	SHEET 173	E

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
BM21	1149SW+05, LT	CHSL SQ NW CORNER OF INLET	760.50
BM22	1141SW+84, LT	RRSP E FACE LPOL #73-13454	790.09

XTREME HOLDINGS

PARSONS

R/W

BM22

R/L WEST FRONTAGE RD

R/L RAMP SW

SLOPE INTERCEPT

WEST FRONTAGE ROAD

END CONSTRUCTION
1153SW+50

BM21

RAMP SW

R/L IH 94

IH 94 SB

IH 94 NB

RAMP SE

R/L RAMP SE

PC

PI

PT

48'

50'

60'

+50

1140SW 1142SW 1144SW 1146SW 1148SW 1150SW 1152SW 1154SW

1140SE 1142SE 1144SE 1146SE 1148SE 1150SE 1152SE 1154SE

VPI STA 1145+50.00 VPI EL 775.76
VPI STA 1146+00.00 VPI EL 775.41
VPI STA 1146+80.00 VPI EL 774.68
VPI STA 1147+00.00 VPI EL 774.50
VPI STA 1147+50.00 VPI EL 774.01
VPI STA 1148+00.00 VPI EL 773.43
VPI STA 1148+50.00 VPI EL 772.87
VPI STA 1149+00.00 VPI EL 772.11
VPI STA 1149+32.00 VPI EL 771.48
VPI STA 1150+00.00 VPI EL 770.47
VPC STA 1152+50.00 VPC EL 766.25
VPI STA 1161+00.00 VPI EL 773.74
VPI STA 1156+50.00 VPI EL 759.51
VCL = 800'
K = 165

-0.70% -0.91% -0.89% -0.98% -1.16% -1.12% -1.51% -1.98% -1.49% -1.69%

FINISHED PROFILE AT R/L RAMP SW

EXISTING PROFILE AT R/L RAMP SW

EXISTING PROFILE ELEVATIONS

FINISHED PROFILE ELEVATIONS

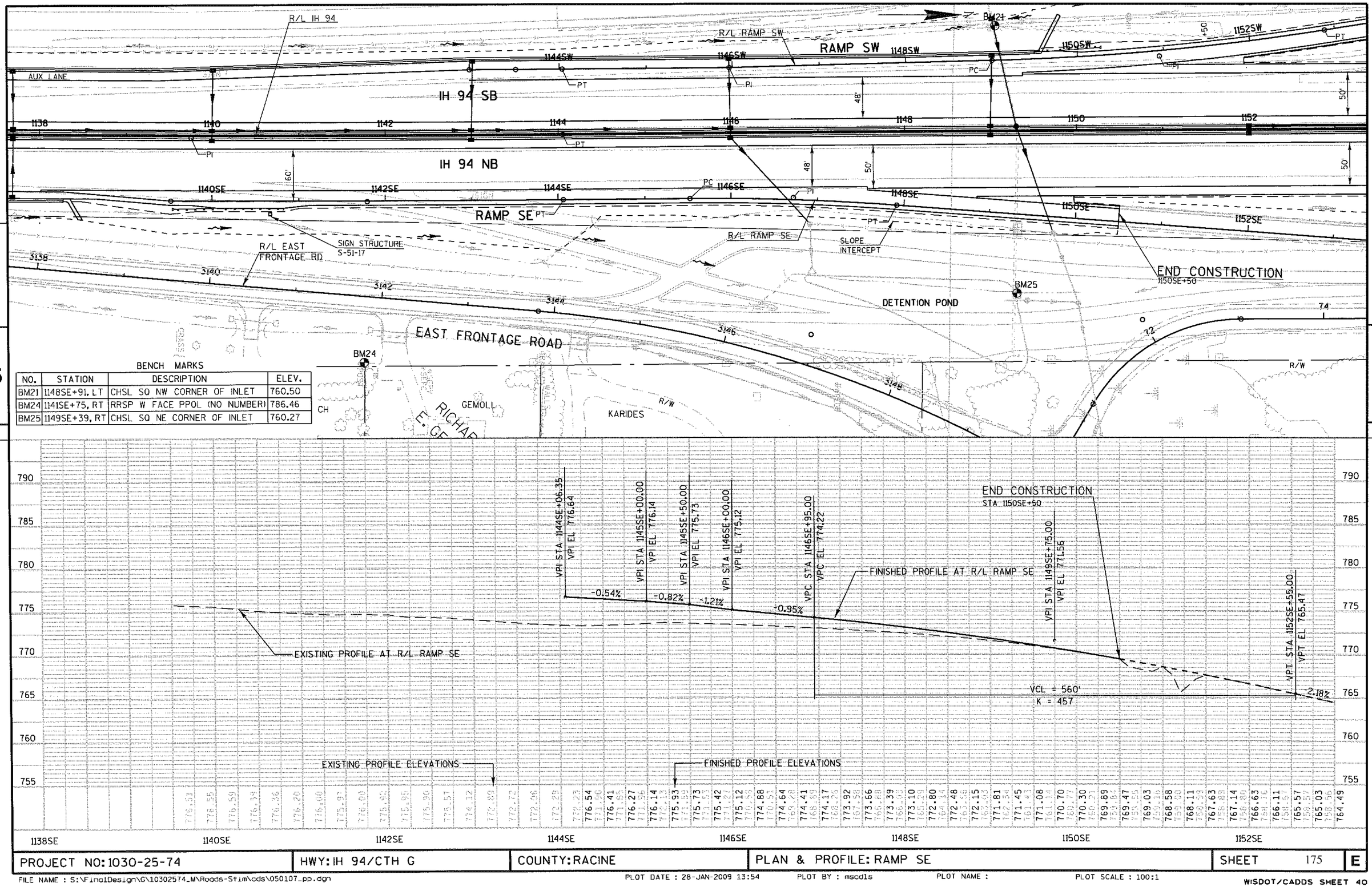
790 785 780 775 770 765 760 755

775.76 775.59 775.41 775.18 774.95 774.73 774.50 774.26 774.01 773.72 773.43 773.15 772.87 772.50 772.11 771.62 771.21 770.84 770.47 770.05 769.63 769.20 768.78 768.36 767.94 767.52 767.10 766.67 766.25 765.85 765.48 765.16 764.87 764.62 764.40 764.23 764.09 763.99 763.93

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	PLAN & PROFILE: RAMP SW	SHEET 174	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\050106_pp.dgn PLOT DATE : 28-JAN-2009 13:53 PLOT BY : mscdls PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 40

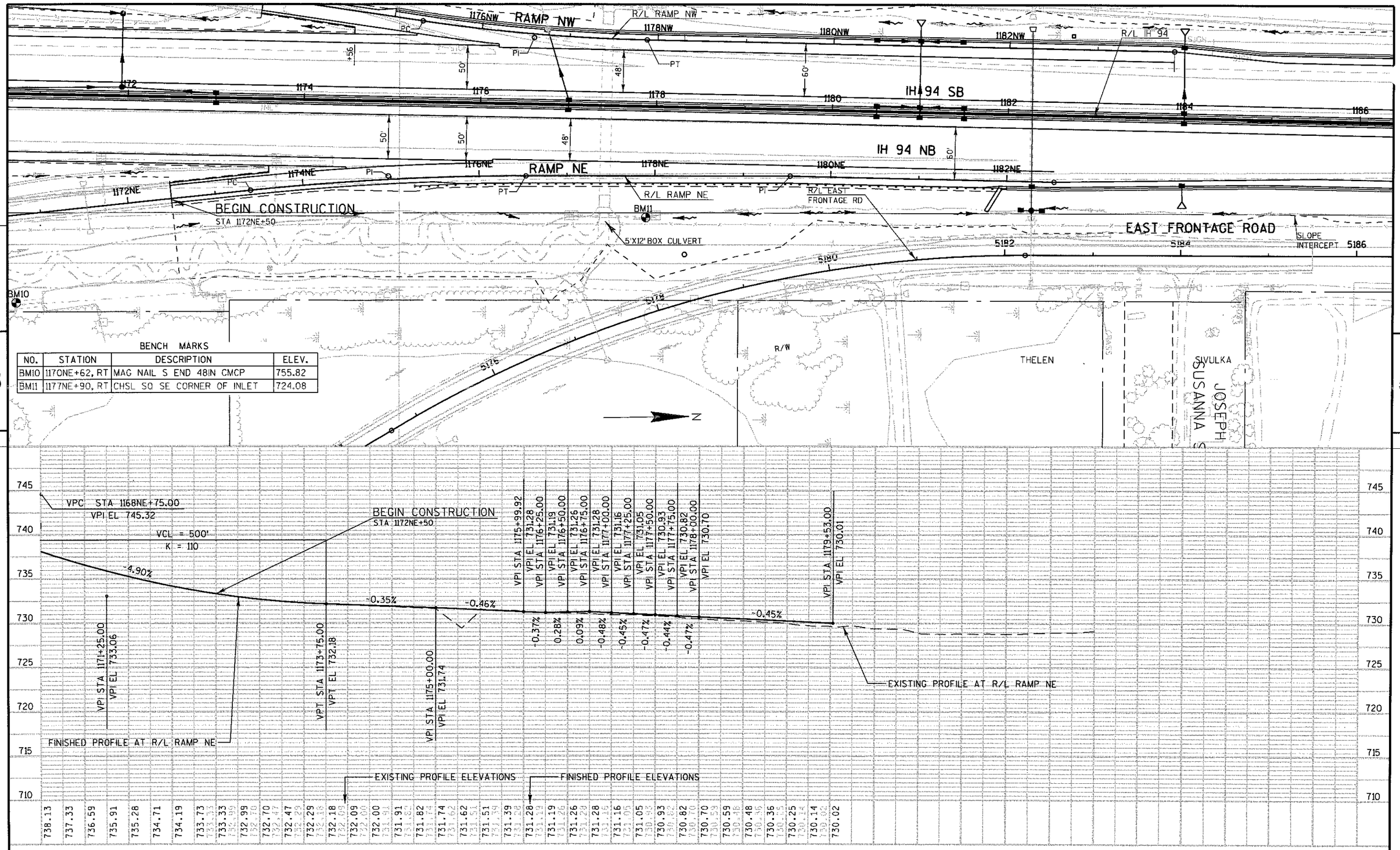


BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
BM21	1148SE+91, LT	CHSL SQ NW CORNER OF INLET	760.50
BM24	1141SE+75, RT	RRSP W FACE PPOL (NO NUMBER)	786.46
BM25	1149SE+39, RT	CHSL SQ NE CORNER OF INLET	760.27

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	PLAN & PROFILE: RAMP SE	SHEET 175	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\050107_pp.dgn PLOT DATE : 28-JAN-2009 13:54 PLOT BY : mscdls PLOT NAME : PLOT SCALE : 100:1



PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	PLAN & PROFILE: RAMP NE	SHEET 176	E

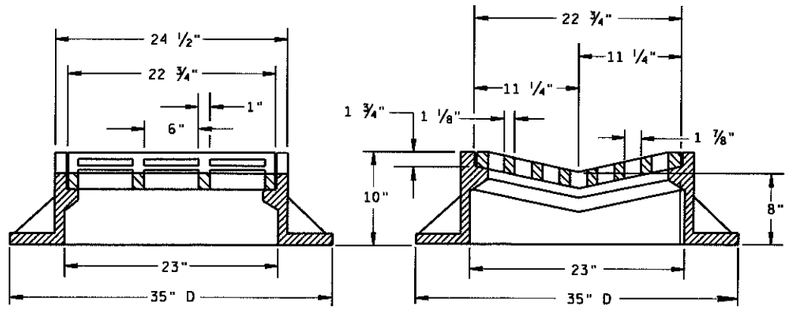
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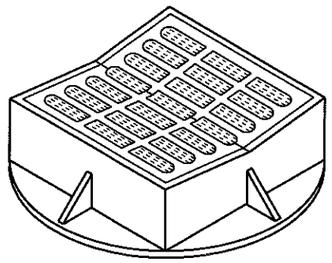
WISDOT/CADDS SHEET 40

Standard Detail Drawing List

08A5-16B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A5-17C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08A5-17D	INLET COVER, TYPE Z MANHOLE COVERS, TYPE K, J, J-S, J-H, J-H-S, L & M
08B6-4	MANHOLES TYPE 1
08B7-4	MANHOLES TYPE 2 & 3
08C1-5	INLETS TYPE 1, 2, 3 & 4
08C5-2	INLETS TYPE 8, 9, 10, AND 11
08D4-5	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08E8-3	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E9-6	SILT FENCE
08E10-2	INLET PROTECTION TYPE A, B, C AND D
08F1-11	APRON ENDWALLS FOR CULVERT PIPE
08F4-6	JOINT TIES FOR CONCRETE PIPE
12A3-9	NAME PLATE (STRUCTURES)
12A4-1	STRUCTURE IDENTIFICATION PLAQUES, SIGN BRIDGES & OVERHEAD SIGN SUPPORT
13A3-4	CONCRETE PAVEMENT SHOULDERS
13A5-3A	ASPHALTIC SHOULDER RUMBLE STRIP, MILLING
13A5-3B	ASPHALTIC SHOULDER RUMBLE STRIP, MILLING
13C1-12	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND PAVEMENT TIES
13C13-6	URBAN DOWELED CONCRETE PAVEMENT
13C17-1A	CONCRETE JOINT DETAIL FOR EXIT RAMP TERMINI
13C17-1B	CONCRETE JOINT DETAIL FOR ENTRANCE RAMP TERMINI
14B7-11A	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B7-11B	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B7-11C	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B7-11D	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B7-11E	CONCRETE BARRIER TEMPORARY PRECAST, 10'-0"
14B7-11F	CONCRETE BARRIER TEMPORARY PRECAST, 10'-0"
14B15-5A	STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS
14B15-5B	STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS
14B16-4A	ANCHORAGE FOR STEEL PLATE BEAM GUARD TYPE 2
14B16-4B	ANCHORAGE FOR STEEL PLATE BEAM GUARD TYPE 2
14B17-3	STEEL PLATE BEAM GUARD, CLASS "A" END TREATMENT WITH ANCHORAGE FOR STEEL PLATE BEAM GUARD
14B18-6A	STEEL PLATE BEAM GUARD, CLASS "A" (AT BRIDGES, OBSTACLES AND SIDEROADS/DRIVEWAYS)
14B20-6A	STEEL THRIE BEAM STRUCTURE APPROACH
14B20-6B	STEEL THRIE BEAM STRUCTURE APPROACH, CONNECTION TO SQUARE END AND VERTICAL FACED PARAPETS
14B24-4A	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
14B24-4B	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
14B24-4C	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
15A2-6	DELINEATOR POST, DELINEATOR BRACKET AND DELINEATOR
15A3-1	MARKER POSTS, FLEXIBLE, FOR CULVERT END
15A6-1	DELINEATOR LAYOUT
15C2-4A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C2-4B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C3-1	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C4-1	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C8-10A	PAVEMENT MARKING (MAINLINE)
15C8-10D	PAVEMENT MARKING (LEFT TURN LANE)
15D7-3	TRAFFIC CONTROL, TEMPORARY EXIT RAMP CROSSOVER
15D8-3	TRAFFIC CONTROL, TEMPORARY ENTRANCE RAMP CROSSOVER
15D16-1	TRAFFIC CONTROL, EXIT RAMP CLOSURE
15D27-1	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH
16A1-6	LANDMARK REFERENCE MONUMENTS AND COVERS

6

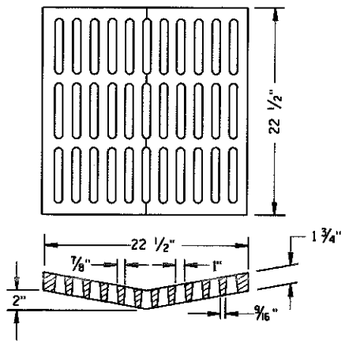




TYPE "B"

(APPROXIMATE WEIGHT 395 LBS.)

FRAME..... 285 LBS.
GRATE..... 110 LBS.

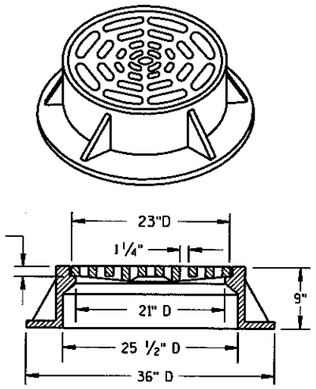


ALTERNATIVE GRATE FOR TYPE "B" COVER

(APPROXIMATE GRATE WEIGHT 125 LBS.)
GRATE..... 125 LBS.

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS POSSIBLE.

NOTED AS TYPE B-A ON THE DRAINAGE TABLE



TYPE "C"

(APPROXIMATE WEIGHT 340 LBS.)

FRAME..... 235 LBS.
GRATE..... 105 LBS.

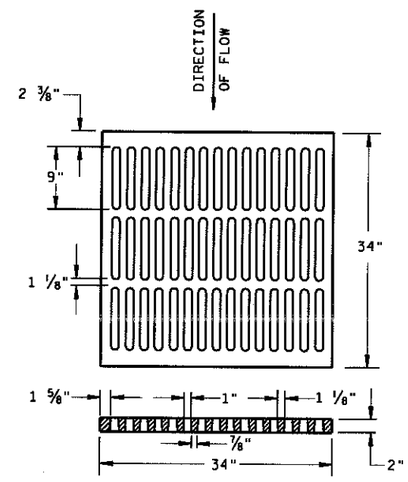
GENERAL NOTES

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

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

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

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

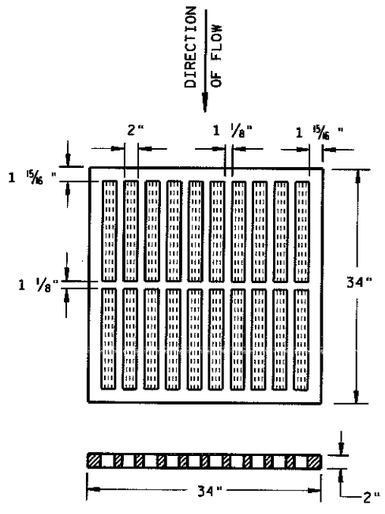


ALTERNATIVE TYPE "MS"

(APPROXIMATE GRATE WEIGHT 365 LBS.)
GRATE..... 365 LBS.

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED

NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

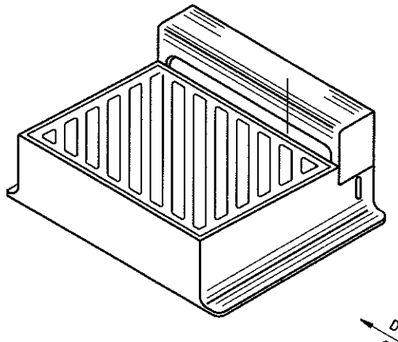


TYPE "MS"

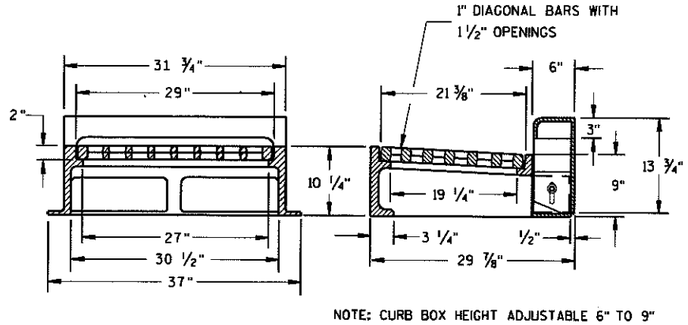
(APPROXIMATE GRATE WEIGHT 270 LBS.)
GRATE..... 270 LBS.

USE ON FREEWAYS AND EXPRESSWAYS

NOTED AS TYPE MS ON DRAINAGE TABLE



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



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

TYPE "WM"

(APPROXIMATE WEIGHT 670 LBS.)

FRAME..... 360 LBS.
GRATE..... 160 LBS.
CURB BOX..... 150 LBS.

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/4/99
DATE

CHIEF ROADWAY DEVELOPMENT ENGINEER

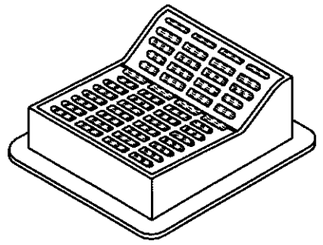
FHWA

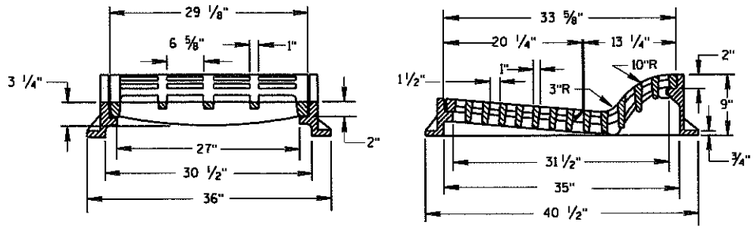
6

S.D.D. 8 A 5-16b

6

S.D.D. 8 A 5-16b

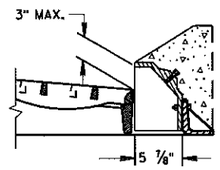




TYPE "F"

(APPROXIMATE WEIGHT 645 LBS.)
FRAME.....300 LBS.
GRATE.....165 LBS.
GRATE.....180 LBS.

USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

(APPROXIMATE WEIGHT 79 LBS.)
CURB BOX.....79 LBS.

USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

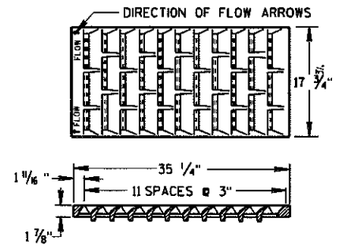
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

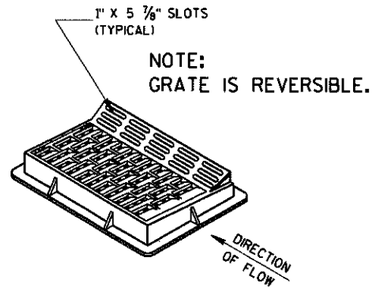
GENERAL NOTES

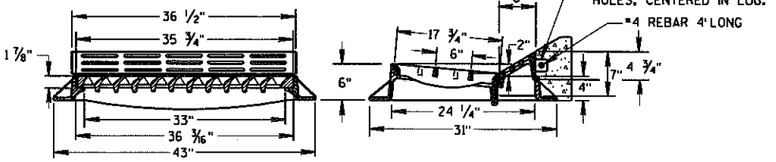
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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

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





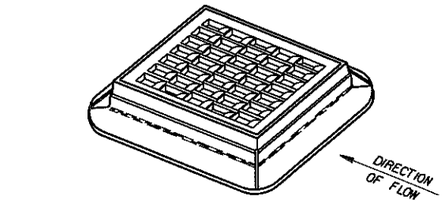


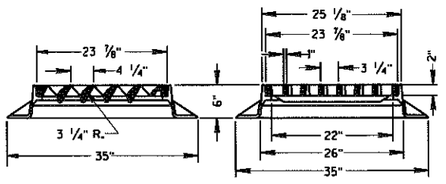
TYPE "HM"

(APPROXIMATE WEIGHT 375 LBS.)
FRAME.....175 LBS.
GRATE.....138 LBS.
CURB BOX.....62 LBS.

USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

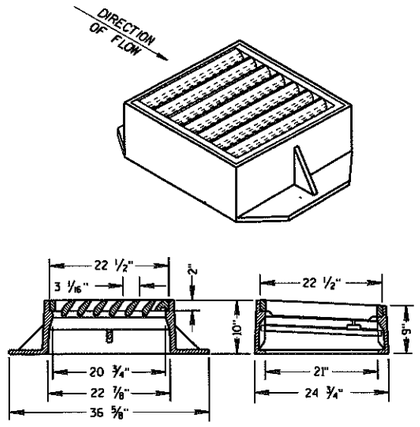
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE





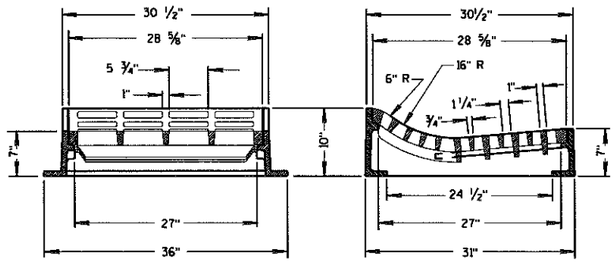
TYPE "S"

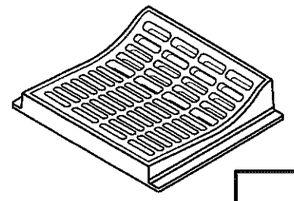
(APPROXIMATE WEIGHT 334 LBS.)
FRAME.....165 LBS.
GRATE.....169 LBS.



TYPE "V"

(APPROXIMATE WEIGHT 405 LBS.)
FRAME.....270 LBS.
GRATE.....130 LBS.
SAFETY BAR.....5 LBS.





TYPE "T"

(APPROXIMATE WEIGHT 530 LBS.)
FRAME.....270 LBS.
GRATE.....260 LBS.

USE WITH TYPES R & T CONCRETE CURB & GUTTER, 30 INCH.

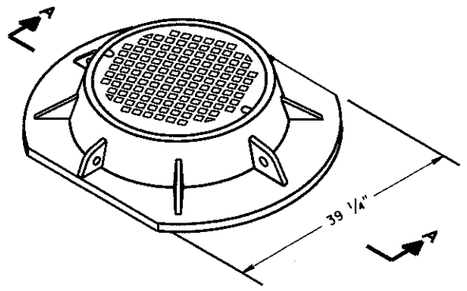
INLET COVERS
TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S

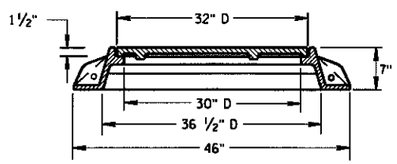
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
12/17/07 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 A 5-17c



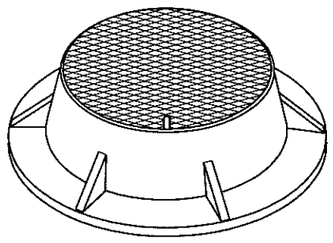


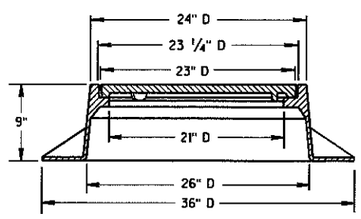
SECTION A-A

TYPE "K"

(APPROXIMATE WEIGHT 415 LBS.)

FRAME.....210 LBS.
LID.....205 LBS.

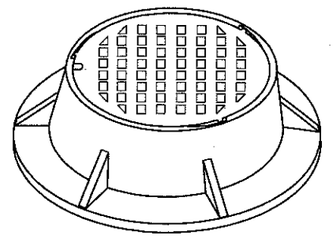


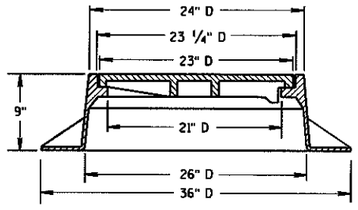


TYPE "J"

(APPROXIMATE WEIGHT 250 LBS.)

FRAME.....135 LBS.
LID.....115 LBS.





TYPE "J" SPECIAL

TYPE "B" NON-ROCKING SELF-SEAL LID

(APPROXIMATE WEIGHT 245 LBS.)

FRAME.....145 LBS.
LID.....100 LBS.

(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)

GENERAL NOTES

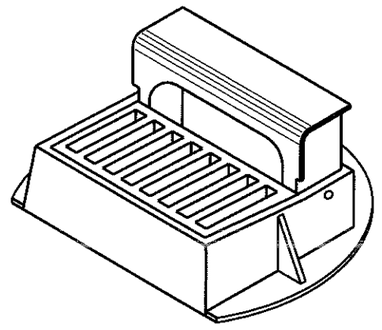
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

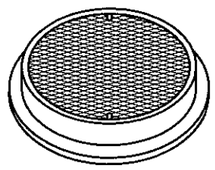
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

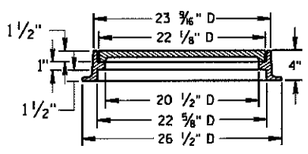
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

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

(1) MANUFACTURER MAY PROVIDE ADDITIONAL SEALS OR GASKETS.



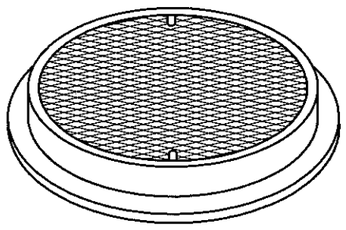


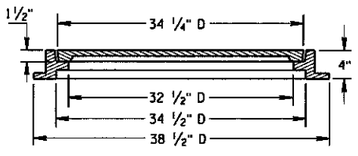


TYPE "L"

(APPROXIMATE WEIGHT 145 LBS.)

FRAME.....75*
LID.....70*

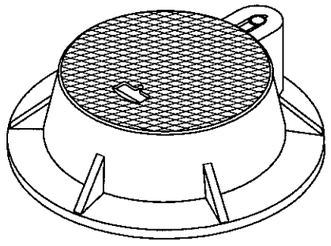


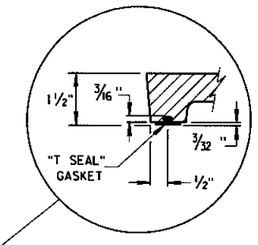


TYPE "M"

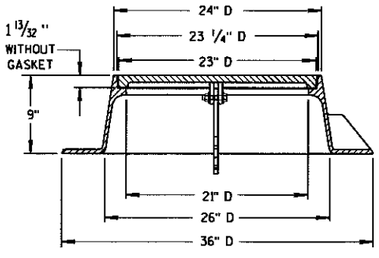
(APPROXIMATE WEIGHT 385 LBS.)

FRAME..... 125*
LID..... 260*





"T SEAL" GASKET DETAIL



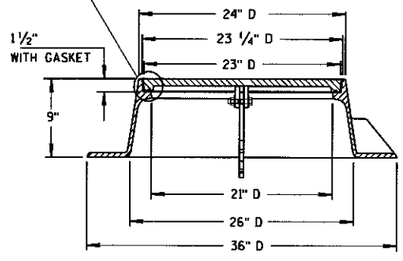
TYPE "J" HINGED

LID WITHOUT "T SEAL" GASKET

(APPROXIMATE WEIGHT 310 LBS.)

FRAME.....190 LBS.
LID.....120 LBS.

(NOTED AS TYPE J-H ON THE DRAINAGE TABLE)



TYPE "J" HINGED-SPECIAL (1)

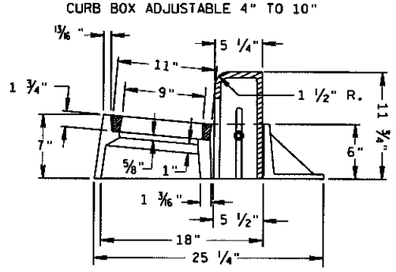
LID WITH "T SEAL" GASKET

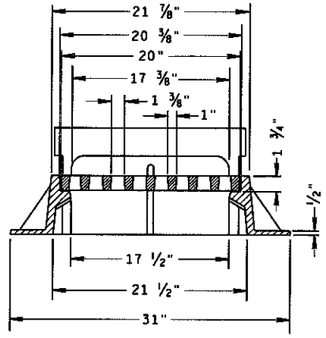
(APPROXIMATE WEIGHT 310 LBS.)

FRAME.....190 LBS.
LID.....120 LBS.

(NOTED AS TYPE J-S-H ON THE DRAINAGE TABLE)

CURB BOX ADJUSTABLE 4" TO 10"





INLET COVER TYPE "Z"

(APPROXIMATE WEIGHT 340 LBS.)

FRAME.....198 LBS.
GRATE..... 50 LBS.
CURB BOX..... 92 LBS.

INLET COVER, TYPE Z
MANHOLE COVERS, TYPE K, J, J-S, J-H, J-H-S, L & M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4-29-05
DATE
FHWA

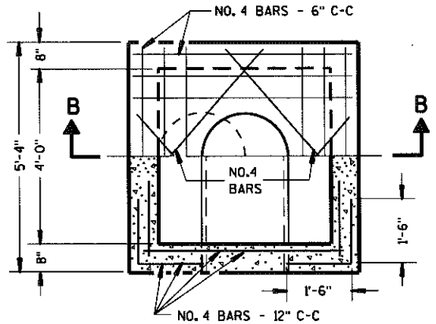
CHIEF ROADWAY DEVELOPMENT ENGINEER

6

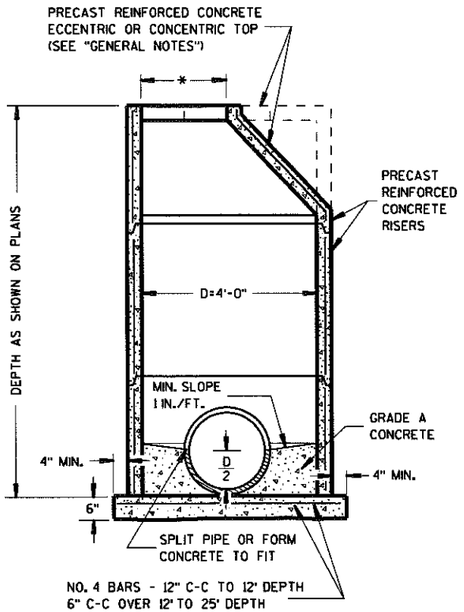
S.D.D. 8 A 5-17d

6

S.D.D. 8 A 5-17d



HALF SECTION A-A



PRECAST REINFORCED CONCRETE

GENERAL NOTES

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

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

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 1-C", "CATCH BASINS 1-B", "INLETS 3-H", ETC. THE FIRST DIGIT DESIGNATES THE MASONRY PORTION OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

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

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

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

STEPS CONFORMING TO AASHTO M 199 SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH.

SOLID ALUMINUM STEPS SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 0.75 INCH. ALUMINUM SURFACES TO BE EMBEDDED IN CONCRETE SHALL BE GIVEN ONE COAT OF SUITABLE QUALITY PAINT, SUCH AS ZINC CHROMATE PRIMER CONFORMING TO FEDERAL SPECIFICATION TT-P-645 OR EQUIVALENT.

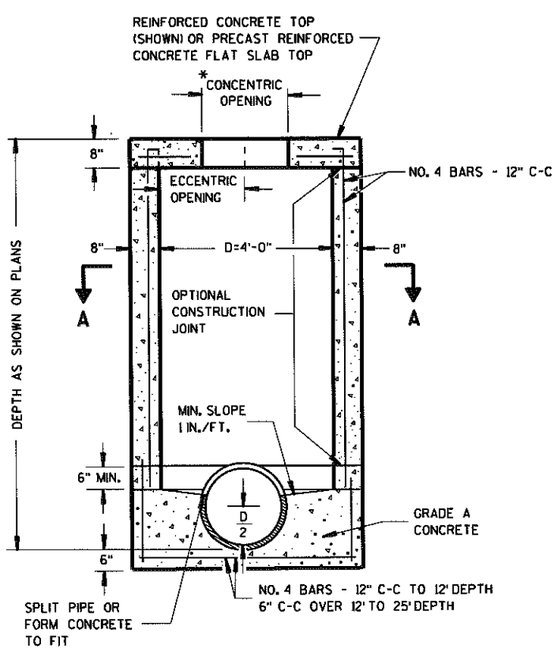
ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED CONCRETE RISERS MAY BE PLACED WITH TONGUE UP OR DOWN.

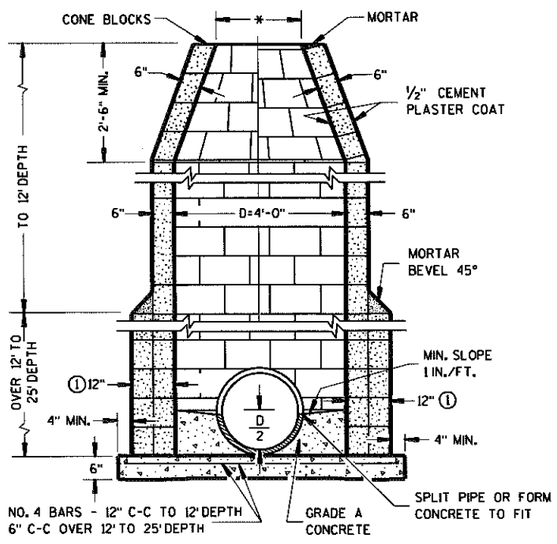
ALL PRECAST INLET UNITS AND MANHOLES SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

* USE 2'-0" DIAMETER OPENING WITH TYPE "C", "L" AND "J" COVERS, OR 3'-0" DIAMETER WITH TYPE "K" AND "M" COVERS.

① 2 COURSES 6" BLOCK.



SECTION B-B
REINFORCED CONCRETE



CONCRETE BLOCK

MANHOLES TYPE 1

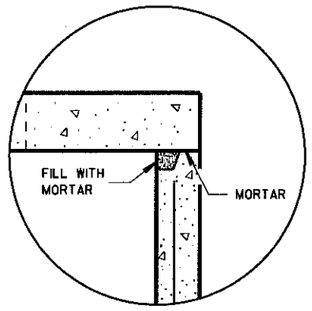
MANHOLES TYPE 1	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 9/9/05 DATE FHWA	/S/ Jerry H. Zogg ROADWAY STANDARDS DEVELOPMENT ENGINEER

6

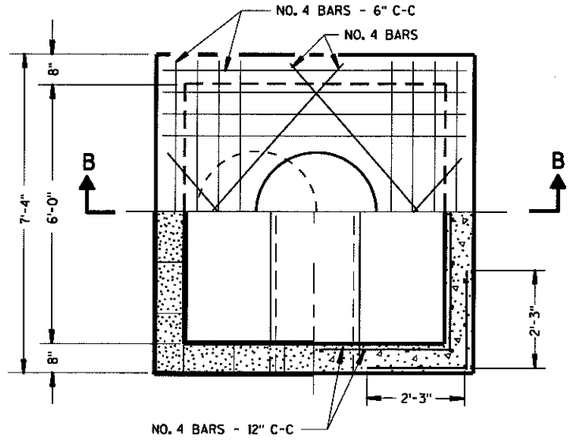
S.D.D. 8 B 6-4

6

S.D.D. 8 B 6-4



DETAIL "A"



HALF SECTION A-A

GENERAL NOTES

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

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

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 1-C", "CATCH BASINS 1-B", "INLETS 3-H", ETC. THE FIRST DIGIT DESIGNATES THE MASONRY PORTION OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

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

STEPS CONFORMING TO AASHTO M 199 SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH.

SOLID ALUMINUM STEPS SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 0.75 INCH. ALUMINUM SURFACES TO BE EMBEDDED IN CONCRETE SHALL BE GIVEN ONE COAT OF SUITABLE QUALITY PAINT, SUCH AS ZINC CHROMATE PRIMER CONFORMING TO FEDERAL SPECIFICATION TT-P-645 OR EQUIVALENT.

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

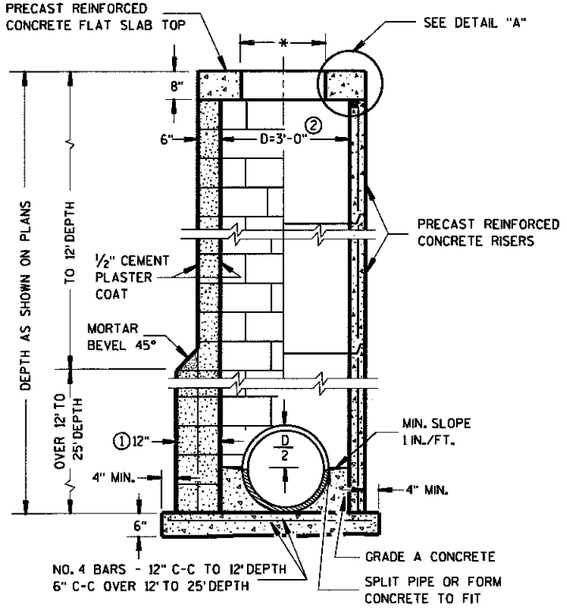
PRECAST REINFORCED CONCRETE RISERS MAY BE PLACED WITH TONGUE UP OR DOWN.

ALL PRECAST INLET UNITS AND MANHOLES SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

* USE 2'-0" DIAMETER OPENING WITH TYPE "C", "L" AND "J" COVERS, OR 3'-0" DIAMETER WITH TYPE "K" AND "M" COVERS.

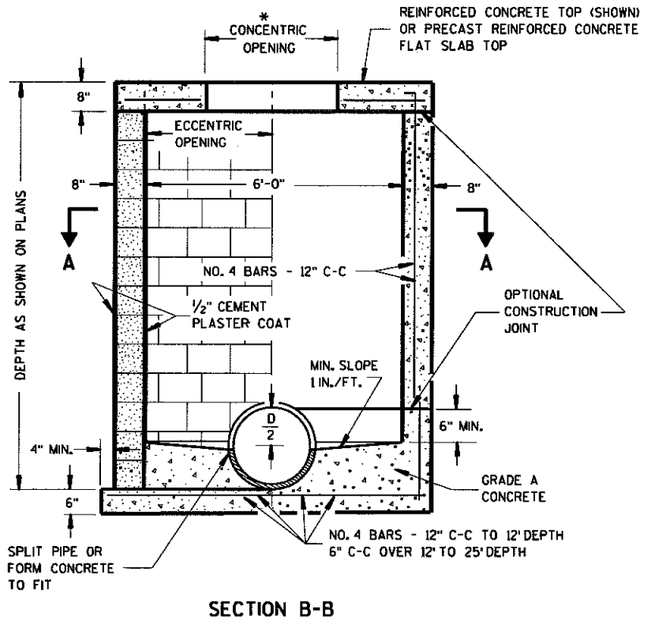
① 2 COURSES 6" BLOCK.

② WHEN CONNECTING PIPES ARE 24" OR LARGER THE PRECAST MANHOLES MAY BE INCREASED TO 42" DIAMETER.



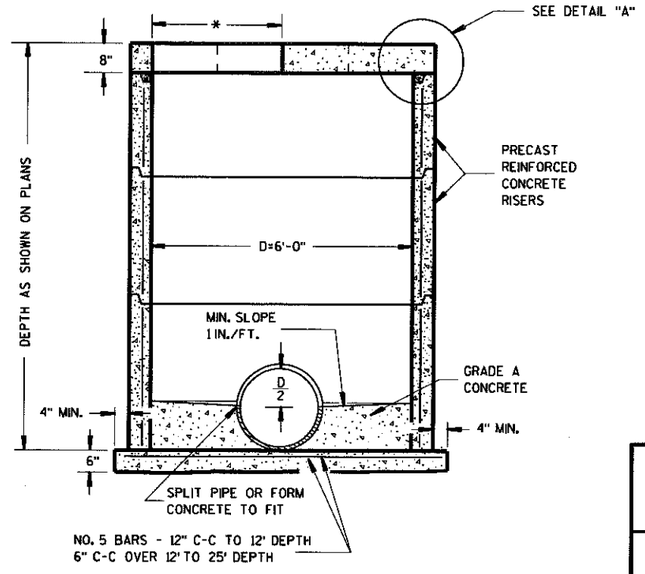
CONCRETE BLOCK ② PRECAST REINFORCED CONCRETE

MANHOLES TYPE 2



SECTION B-B

CONCRETE BLOCK — REINFORCED CONCRETE



PRECAST REINFORCED CONCRETE

MANHOLES TYPE 3

MANHOLES TYPE 2 & 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9/9/05 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

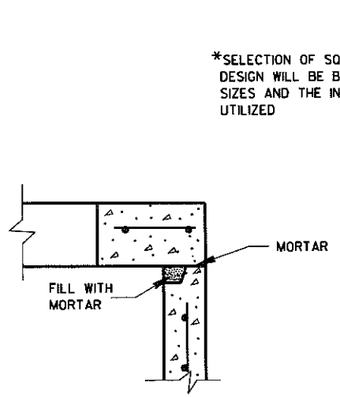
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S.D.D. 8 B 7-4

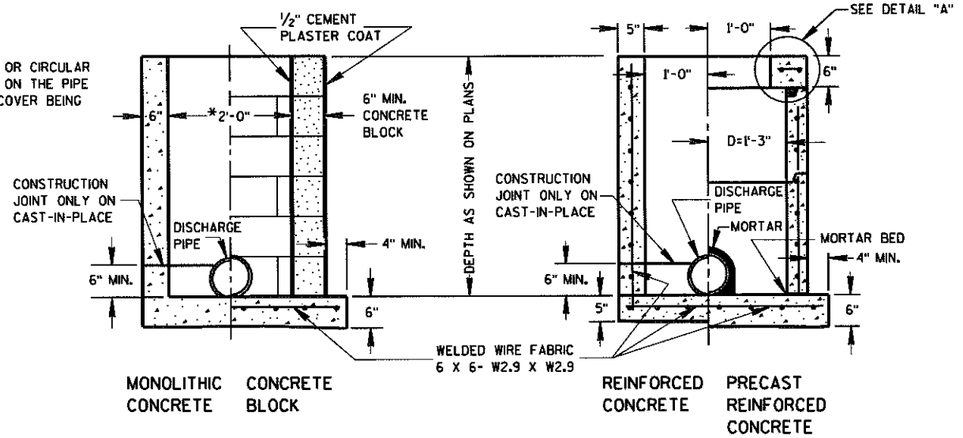
6

S.D.D. 8 B 7-4

*SELECTION OF SQUARE OR CIRCULAR DESIGN WILL BE BASED ON THE PIPE SIZES AND THE INLET COVER BEING UTILIZED



DETAIL "A"



INLETS TYPE 1

GENERAL NOTES

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

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

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

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 1-C", "CATCH BASINS 1-B", "INLETS 3-H", ETC. THE FIRST DIGIT DESIGNATES THE MASONRY PORTION OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

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

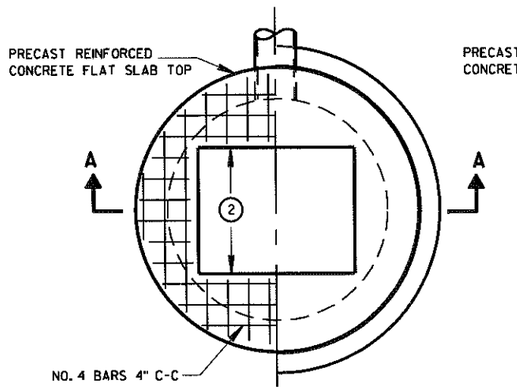
PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON THE STRUCTURES. THE TOPS SHALL BE INSTALLED ON A BED OF MORTAR.

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

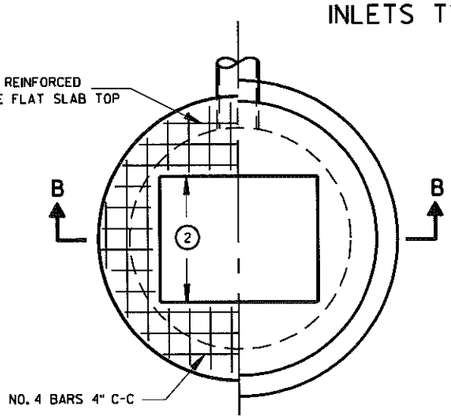
PRECAST REINFORCED CONCRETE RISERS SHALL BE PLACED WITH TONGUE DOWN.

(1) USE 2'-6" OPENING FOR TYPE 2 INLETS, 3'-0" OPENING FOR TYPE 3 INLETS, AND 2'-11" FOR TYPE 4 INLETS.

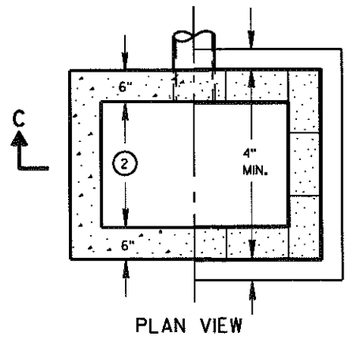
(2) USE 2'-0" OPENING FOR TYPE 1, 2 & 3 INLETS, 2'-6½" OPENING FOR TYPE 4 INLETS.



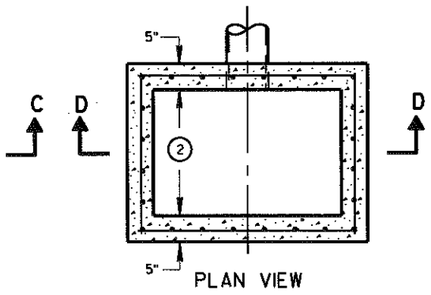
PLAN VIEW



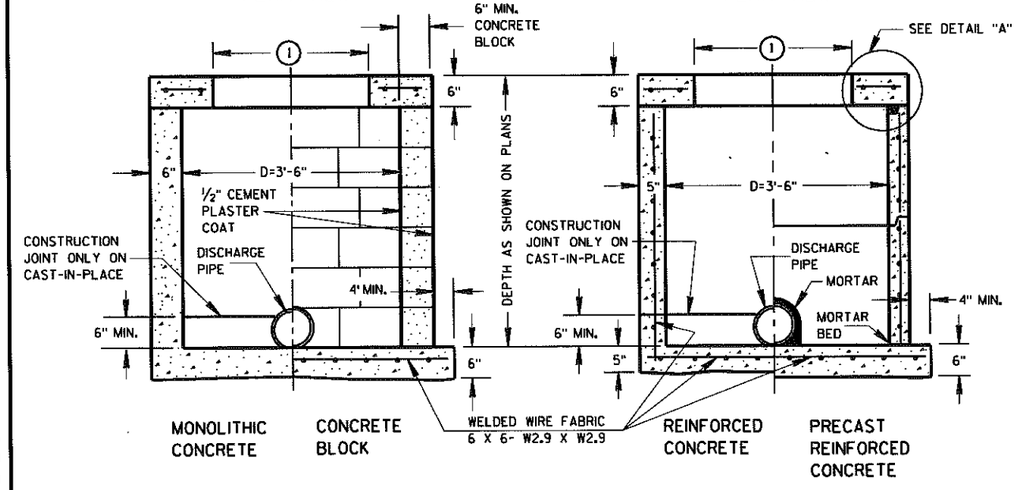
PLAN VIEW



PLAN VIEW

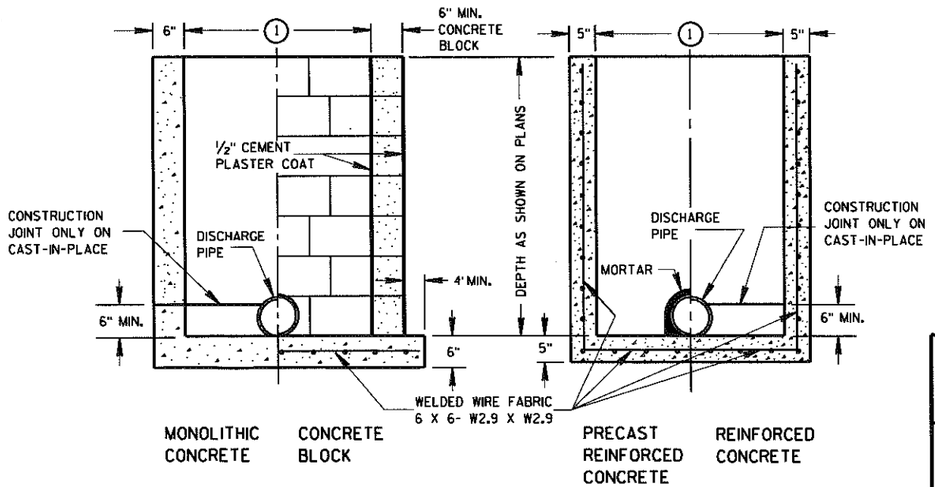


PLAN VIEW



SECTION A-A

SECTION B-B



SECTION C-C

SECTION D-D

INLETS TYPE 2, 3 & 4

INLETS TYPE 1, 2, 3 & 4

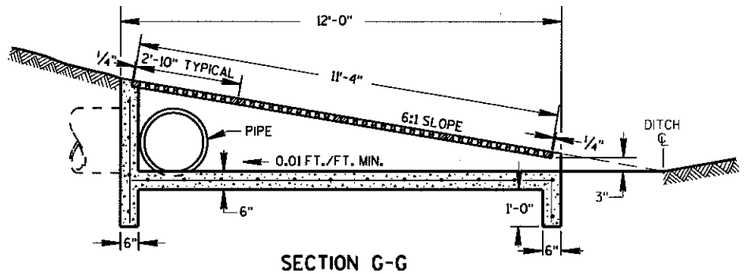
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8/26/94
DATE

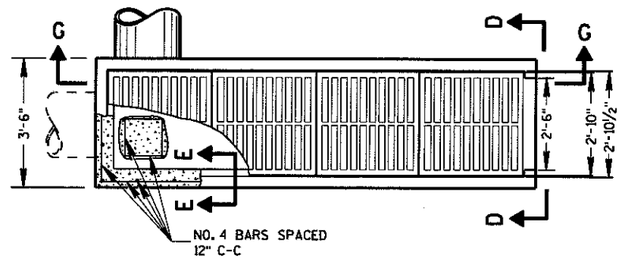
CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

S.D.D. 8 C 1-5



SECTION G-G



PLAN VIEW

GENERAL NOTES

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

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

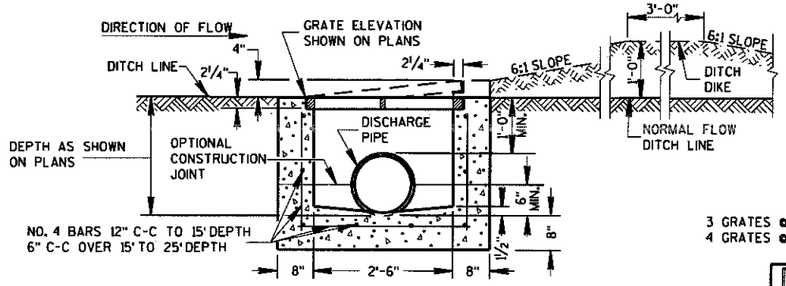
PRECAST REINFORCED CONCRETE INLET UNITS, IF USED, SHALL CONFORM TO THE REQUIREMENTS OF THE CATCH BASINS, MANHOLES AND INLETS SECTION OF THE STANDARD SPECIFICATIONS. UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A CORRECTED LIST OF SIZES IS FURNISHED BY THE ENGINEER.

ALL INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, 8-MS", ETC. THIS DESIGNATION IS INTERPRETED TO MEAN THAT THE NUMBER, OR FIRST DIGIT DESIGNATES THE MASONRY PORTION OF THE STRUCTURE AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER OR IRON CASTING TO BE USED THEREWITH TO COMPRISE THE COMPLETE UNIT.

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

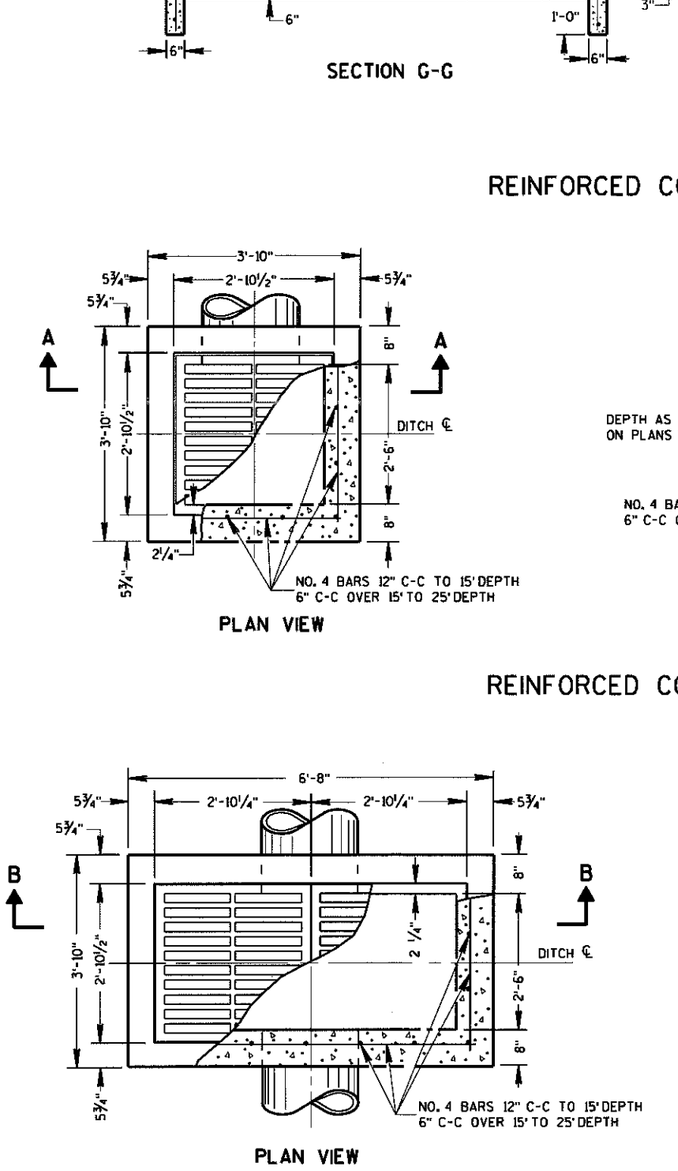
REINFORCED CONCRETE INLET TYPE 11

PLAN VIEW

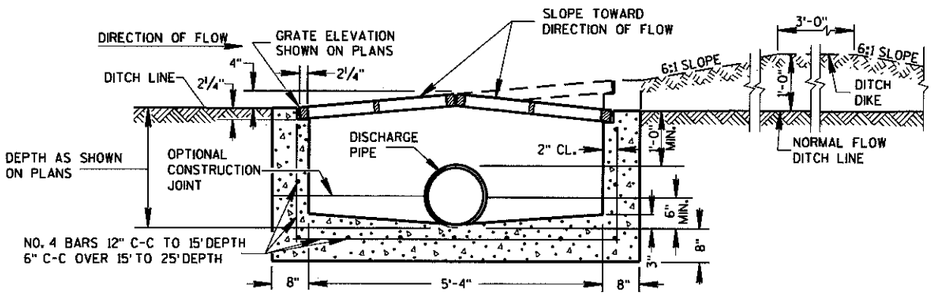


SECTION A-A

REINFORCED CONCRETE INLET TYPE 8

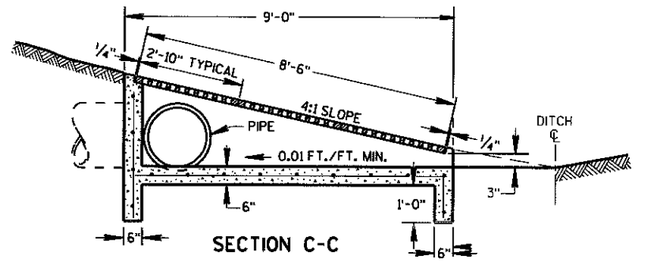


PLAN VIEW

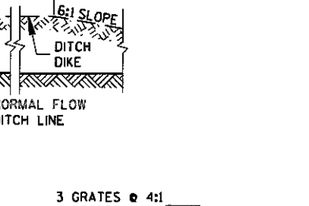


SECTION B-B

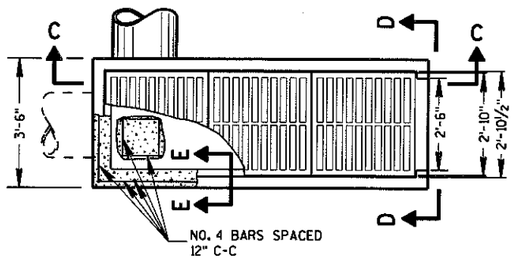
REINFORCED CONCRETE INLET TYPE 9



SECTION C-C

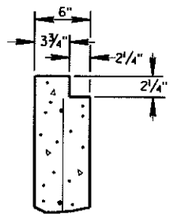


SECTION D-D



PLAN VIEW

REINFORCED CONCRETE INLET TYPE 10



SECTION E-E

INLETS TYPE 8, 9, 10 AND 11

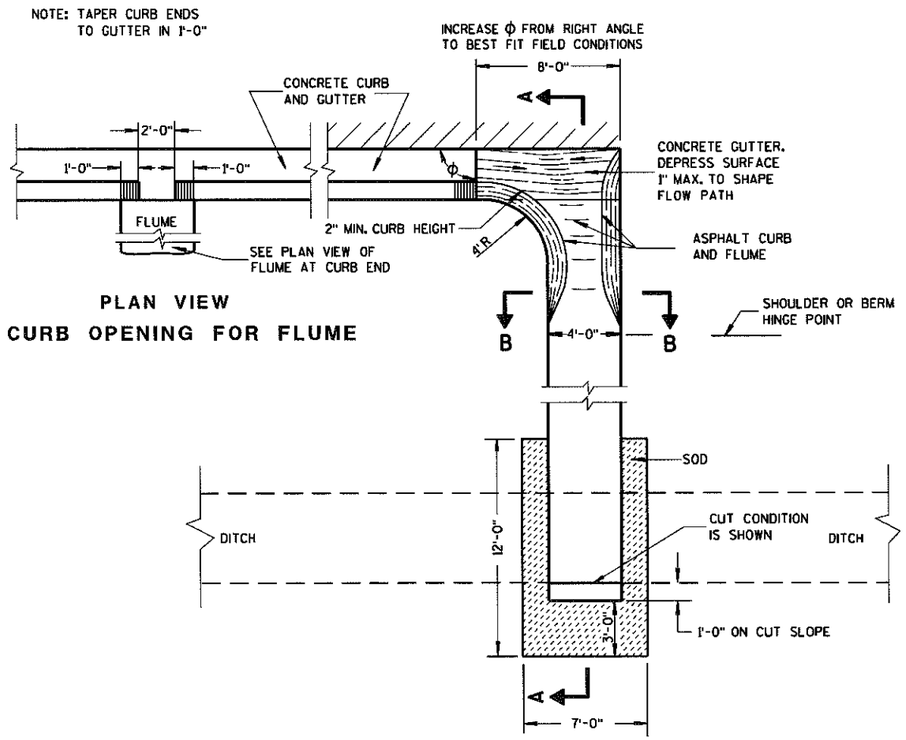
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8/10/94
DATE
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

S.D.D. 8 C 5-2

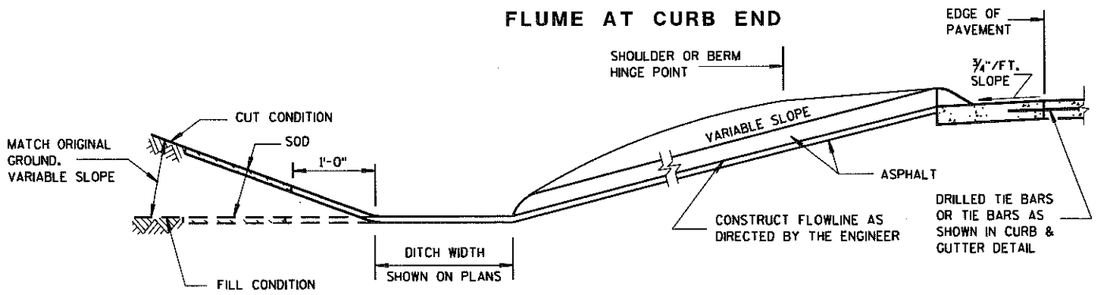
S.D.D. 8 C 5-2

ASPHALTIC FLUME

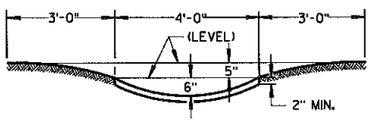


PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



SECTION A-A



SECTION B-B

GENERAL NOTES

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

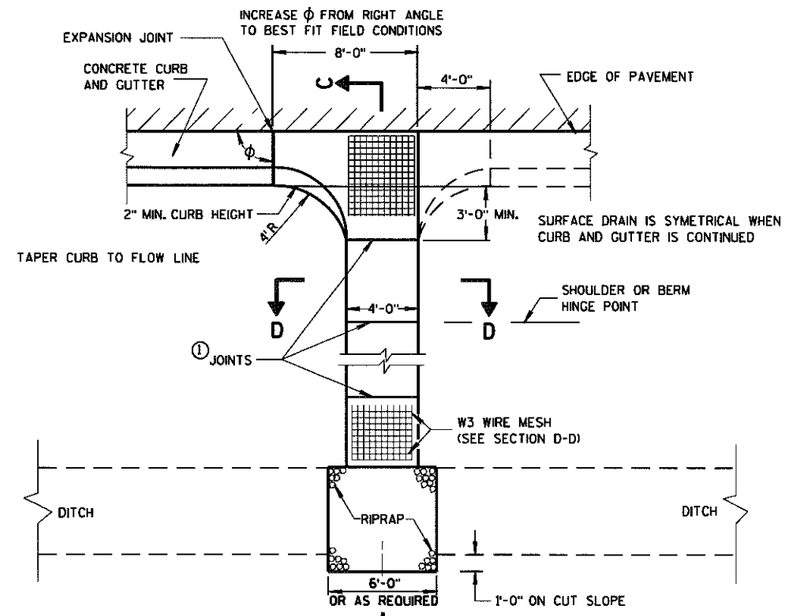
WELDED STEEL WIRE FABRIC SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

① JOINTS SHALL BE ⅛ TO ¼ INCH WIDE BY 1½ INCHES DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.

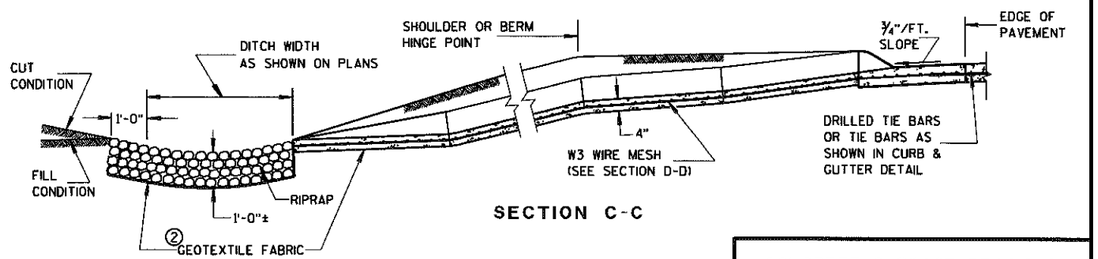
② GEOTEXTILE FABRIC TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.

③ CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED

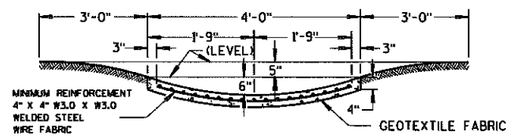
③ CONCRETE SURFACE DRAIN



PLAN VIEW



SECTION C-C



SECTION D-D

CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

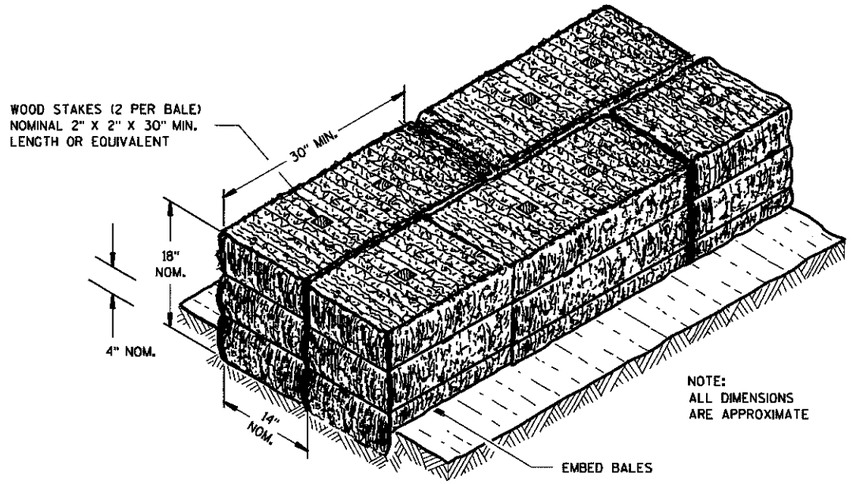
APPROVED
9-4-08 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

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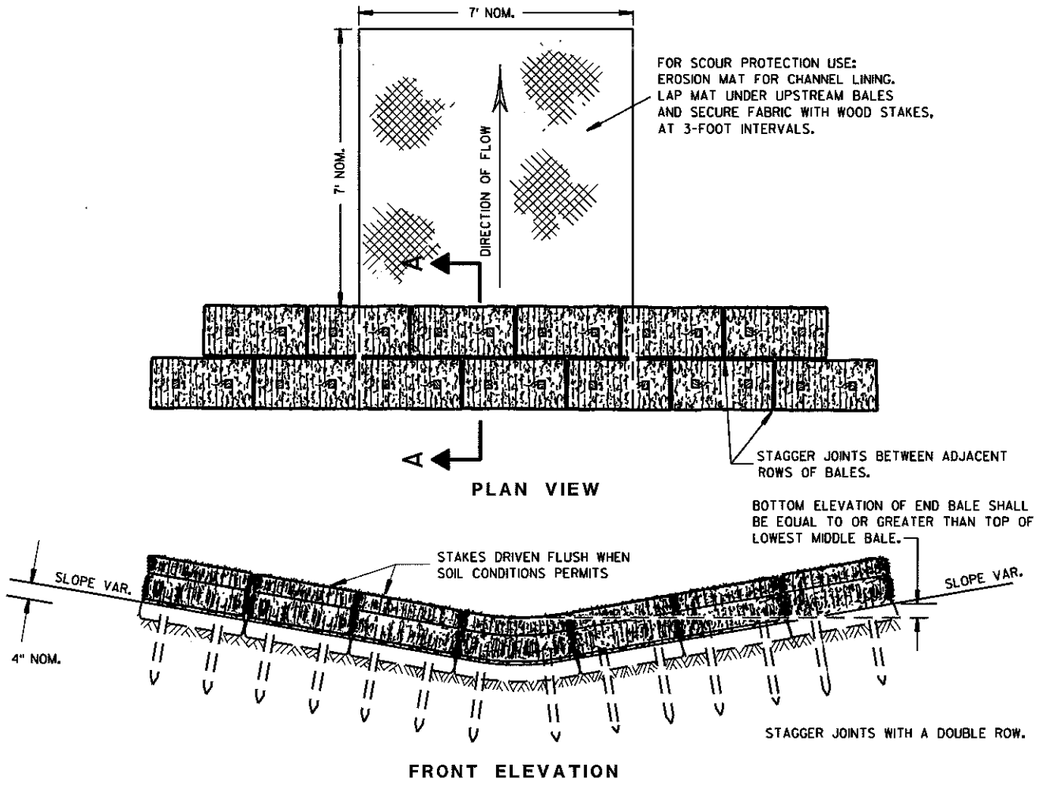
S.D.D. 8 D 4-5

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S.D.D. 8 D 4-5



SECTION A-A



PLAN VIEW

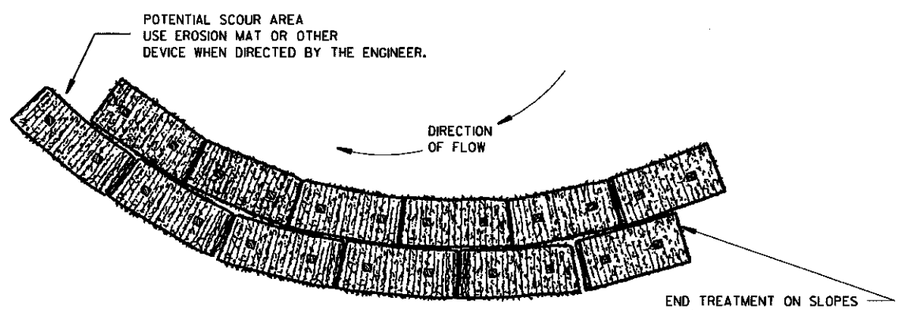
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES ①

GENERAL NOTES

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

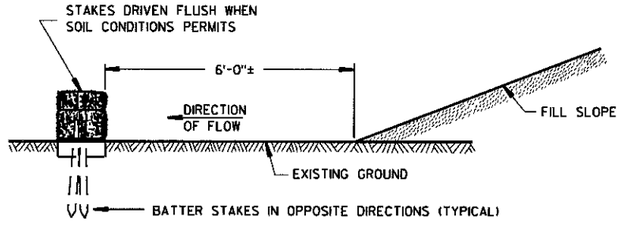
① TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.



PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW

PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

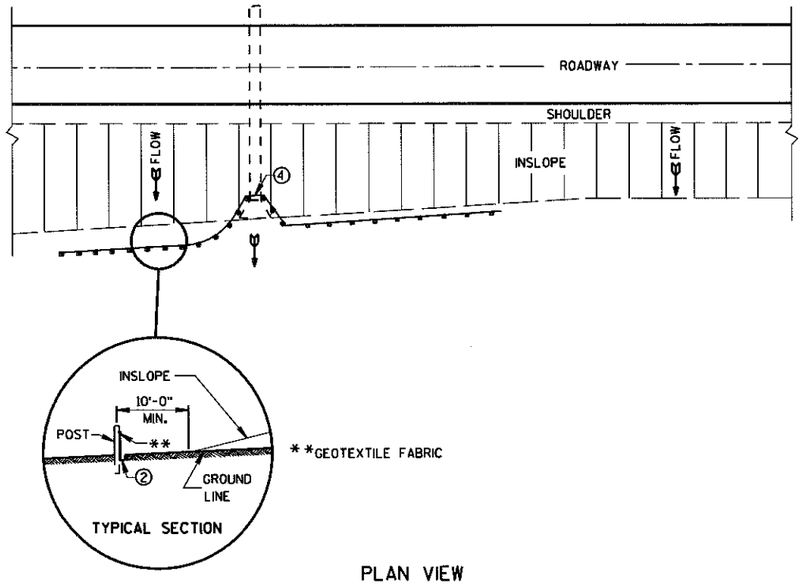
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DATE
CHIEF ROADWAY DEVELOPMENT ENGINEER
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S.D.D. 8 E 8-3

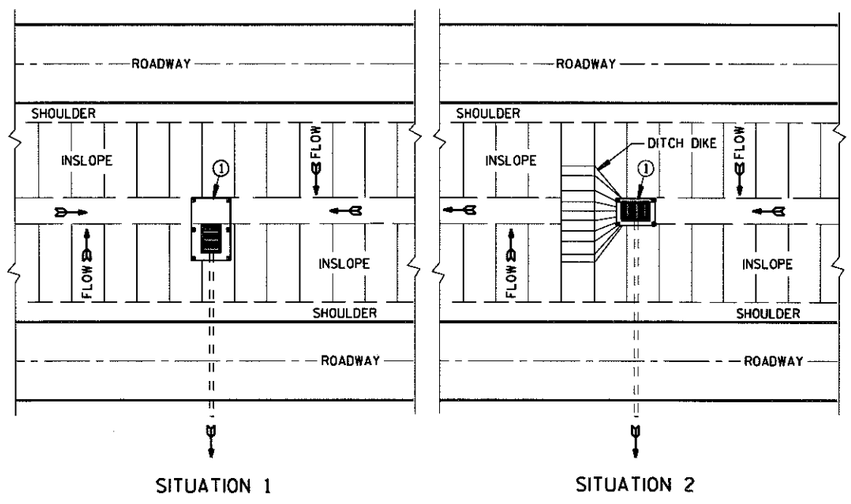
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S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

GENERAL NOTES

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

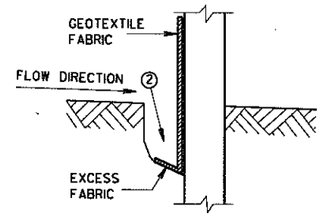
① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

② FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.

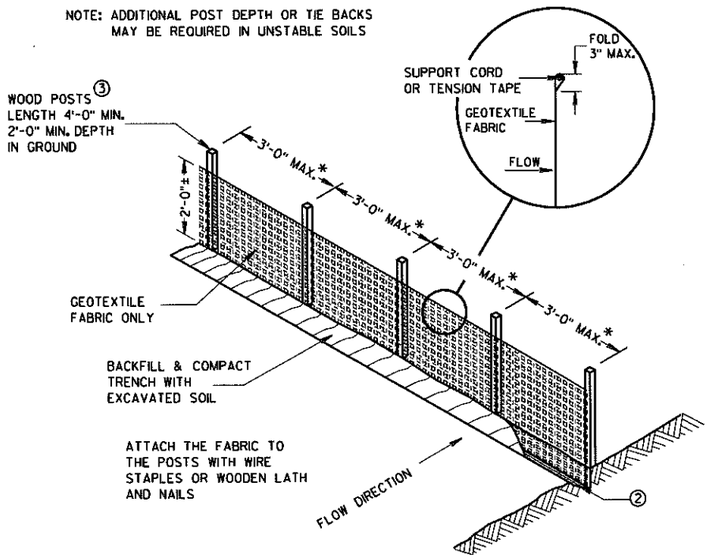
③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

④ SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.

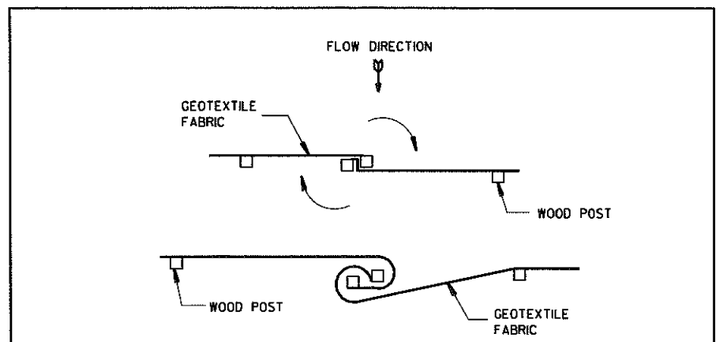
⑤ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



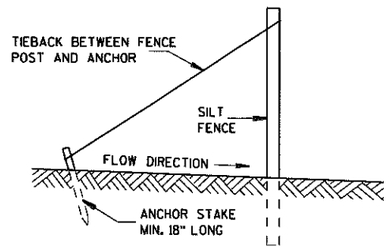
TRENCH DETAIL



SILT FENCE



JOINING TWO LENGTHS OF SILT FENCE ⑤



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

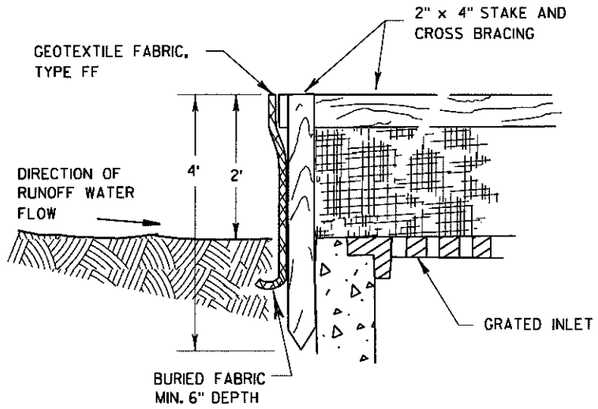
APPROVED
4-29-05
DATE
FHWA

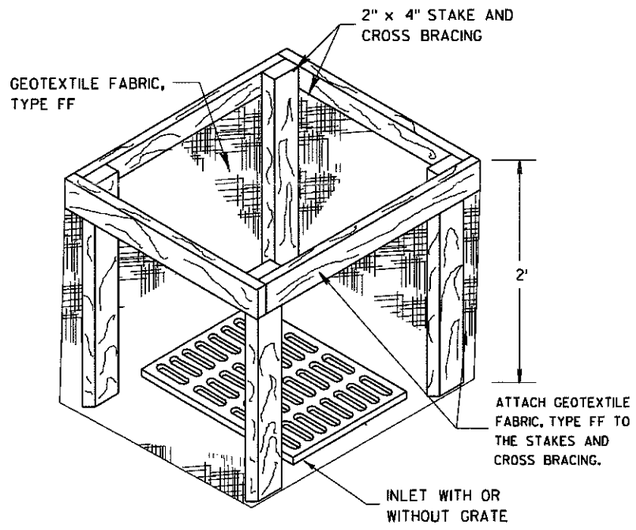
CHIEF ROADWAY DEVELOPMENT ENGINEER

6

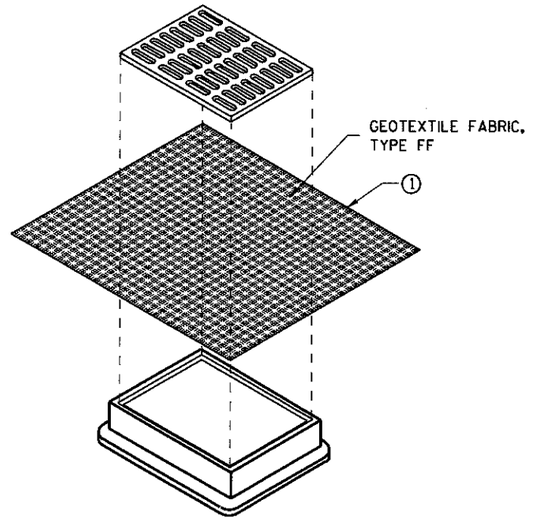
S.D.D. 8 E 9-6

S.D.D. 8 E 9-6



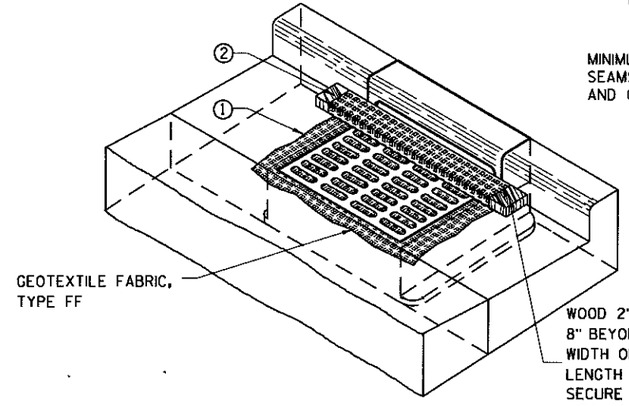


INLET PROTECTION, TYPE A

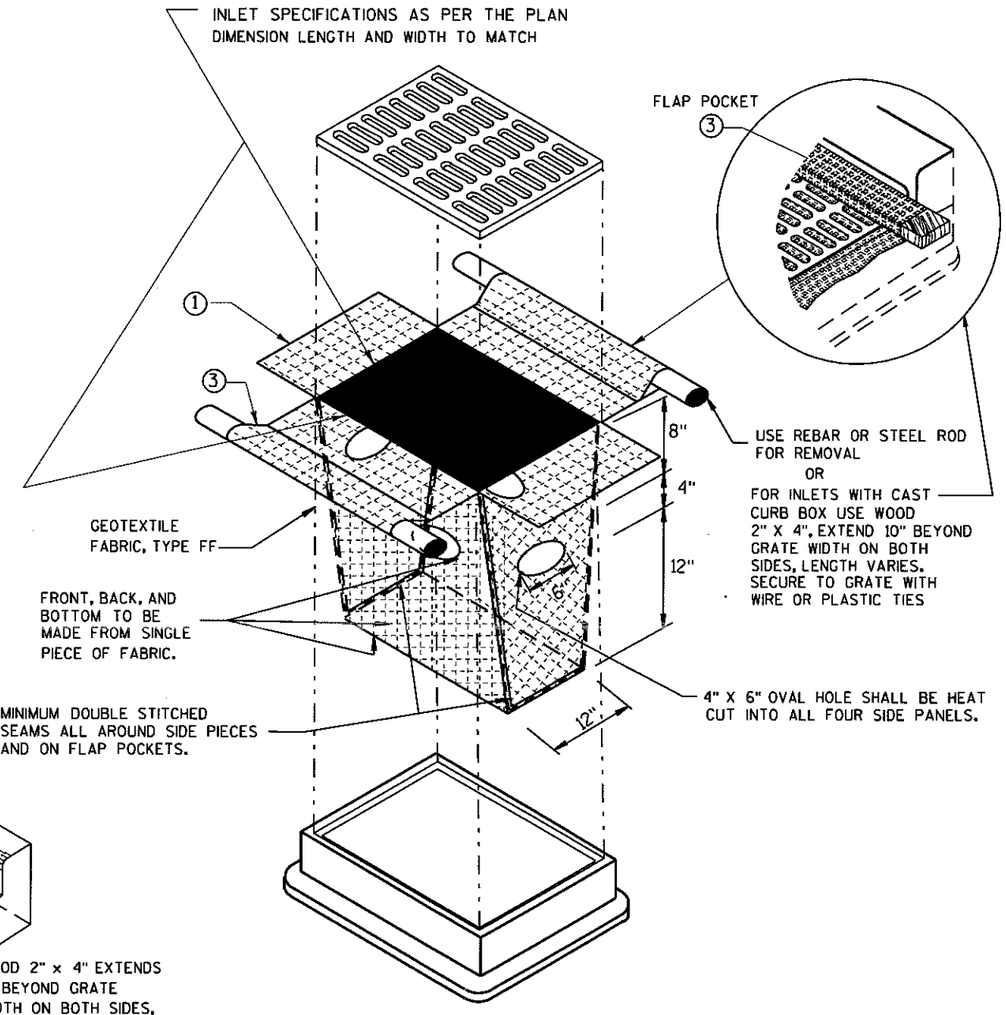


INLET PROTECTION, TYPE B (WITHOUT CURB BOX)

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



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

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

GENERAL NOTES

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

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

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

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

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

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

TYPE D

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

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

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

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/16/02
DATE
FHWA

CHIEF ROADWAY DEVELOPMENT ENGINEER

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S.D.D. 8 E 10-2

METAL APRON ENDWALLS

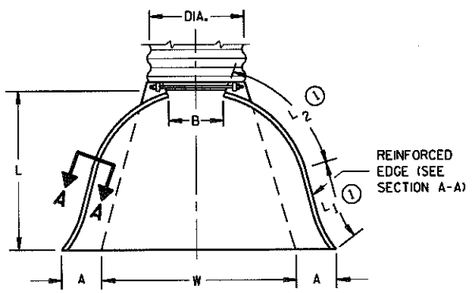
PIPE DIA. (IN.)	MIN. THICK. (inches) STEEL	MIN. THICK. (inches) ALUM.	DIMENSIONS (inches) A (±1")	B (MAX.)	H (±1")	L (±1½")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17½	24	2½ to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21¾	30	2½ to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28¼	36	2½ to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29⅝	42	2½ to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37¼	48	2½ to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52¼	60	2½ to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59¾	72	2½ to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75⅝	84	2½ to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2¼ to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85½	102	2¼ to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1½ to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1½ to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1½ to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1½ to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

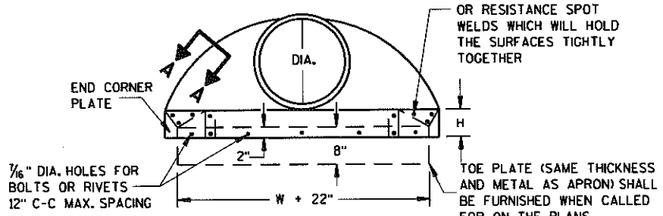
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48⅛	72⅞	24	2	3 to 1
15	2¼	6	27	46	73	30	2¼	3 to 1
18	2½	9	27	46	73	36	2½	3 to 1
21	2¾	9	36	37½	73½	42	2¾	3 to 1
24	3	9½	43½	30	73½	48	3	3 to 1
27	3¼	10½	49½	24	73½	54	3¼	3 to 1
30	3½	12	54	19¾	73½	60	3½	3 to 1
36	4	15	63	34¼	97¾	72	4	3 to 1
42	4½	21	63	35	98	78	4½	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5½	27	65	* 33¼-35 ** 98¼- 100		90	5½	2⅔ to 1
60	6	* 30-35 **	60	39	99	96	5	2 to 1
66	6½	* 24-30 **	* ** 72-78	* ** 21-27	99	102	5½	2 to 1
72	7	* 24-36 **	78	21	99	108	6	2 to 1
78	7½	* 24-36 **	78	21	99	114	6½	2 to 1
84	8	36	90½	21	111½	120	6½	1½ to 1
90	8½	41	87½	24	111½	132	6½	1½ to 1

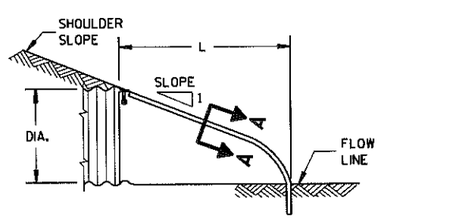
*MINIMUM
**MAXIMUM



PLAN VIEW

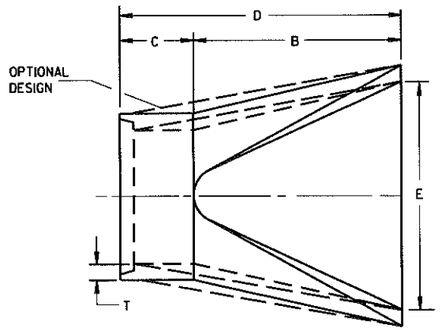


END VIEW

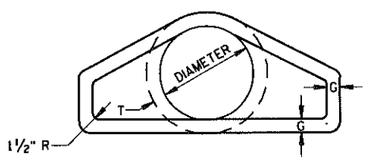


SIDE ELEVATION

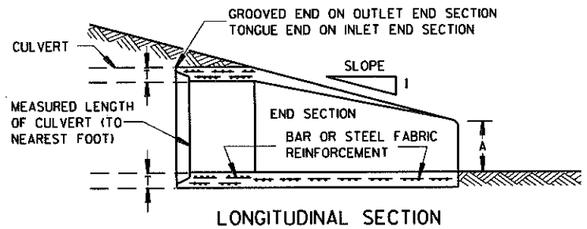
METAL ENDWALLS



PLAN

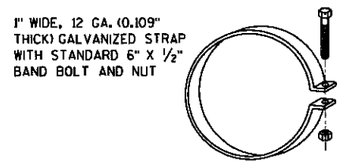


END VIEW



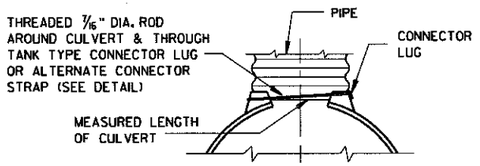
LONGITUDINAL SECTION

CONCRETE ENDWALLS

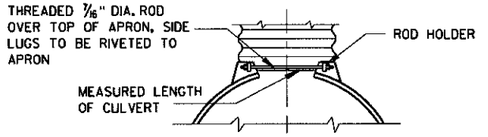


ALTERNATE FOR TYPE 1 CONNECTION

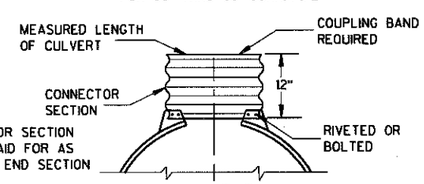
END SECTION CONNECTOR STRAP



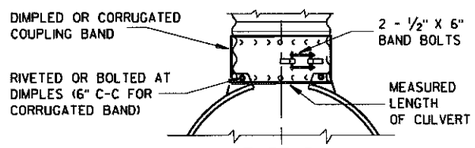
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

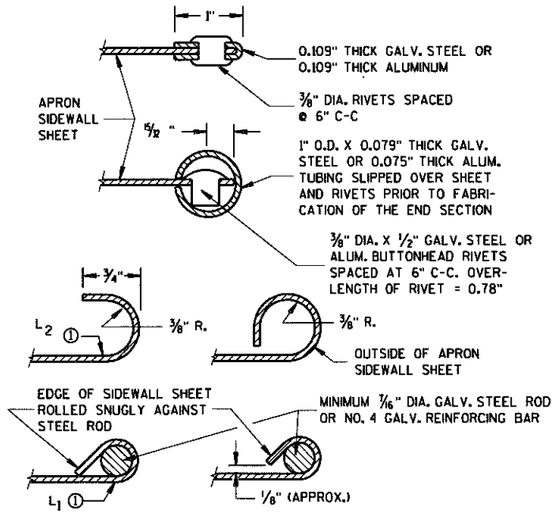
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL, AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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

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

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

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

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

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

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

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

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

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

APRON ENDWALLS FOR CULVERT PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

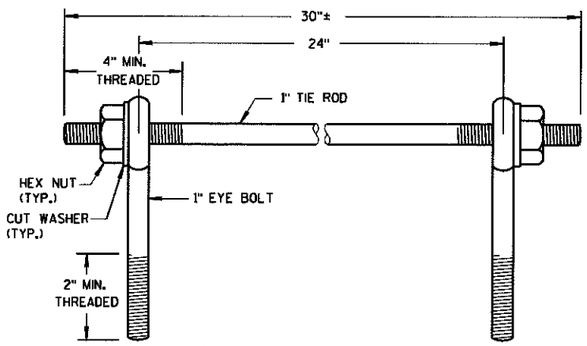
APPROVED
11/30/94
DATE

CHIEF ROADWAY DEVELOPMENT ENGINEER

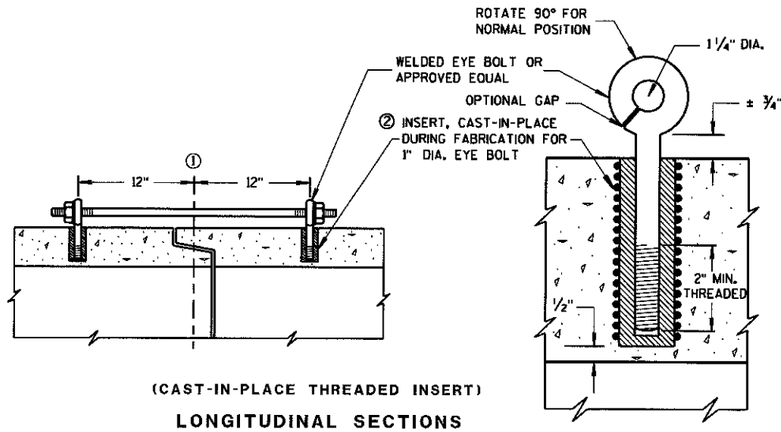
FHWA

6

S.D.D. 8 F 1-11



EYE BOLTS AND TIE ROD



(CAST-IN-PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

GENERAL NOTES

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

CONCRETE CULVERT PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED ON THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES. UNLESS OTHERWISE STATED IN THE CONTRACT THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE CULVERT PIPE AS INDICTED ON THE PLANS AND BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO CULVERT PIPE, REINFORCED CONCRETE CULVERT PIPE, OR REINFORCED CONCRETE PIPE CATTLE PASS.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

① ℄ OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

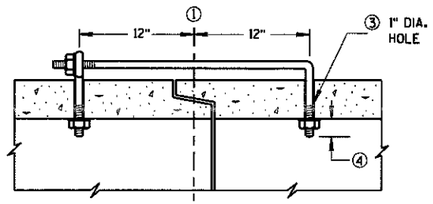
③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

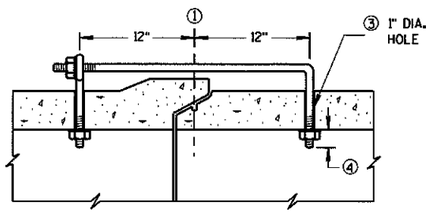
⑤ OPENING TO BE ROD DIAMETER PLUS 1 INCH.

⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN 1/2 INCH OF THE INNER SURFACE OF THE PIPE.

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)



(TONGUE & GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

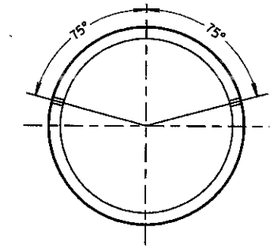
EYE BOLT DIMENSION TABLE

PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	

ADJUSTABLE TIE ROD TABLE

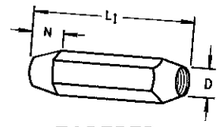
PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12-60	5/8	5/8	5	1/2
66-84	3/4	3/4	5	1/2
90-108	1	1	7	1 1/16

DIMENSIONS SHOWN ARE IN INCHES

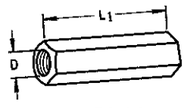


PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



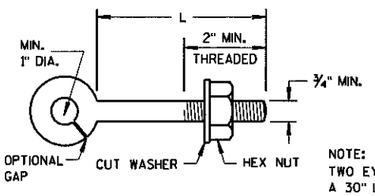
TAPERED



PLAIN

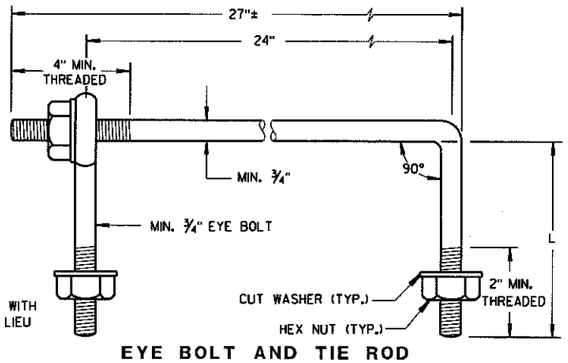
RIGHT AND LEFT THREADS

SLEEVE NUTS



EYE BOLT

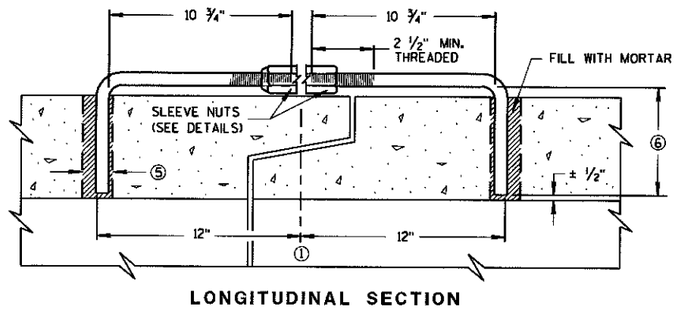
NOTE:
TWO EYE BOLTS MAY BE USED WITH A 30" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD

(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)



LONGITUDINAL SECTION

(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)

JOINT TIES FOR CONCRETE PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

12/17/07 — DATE

/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER

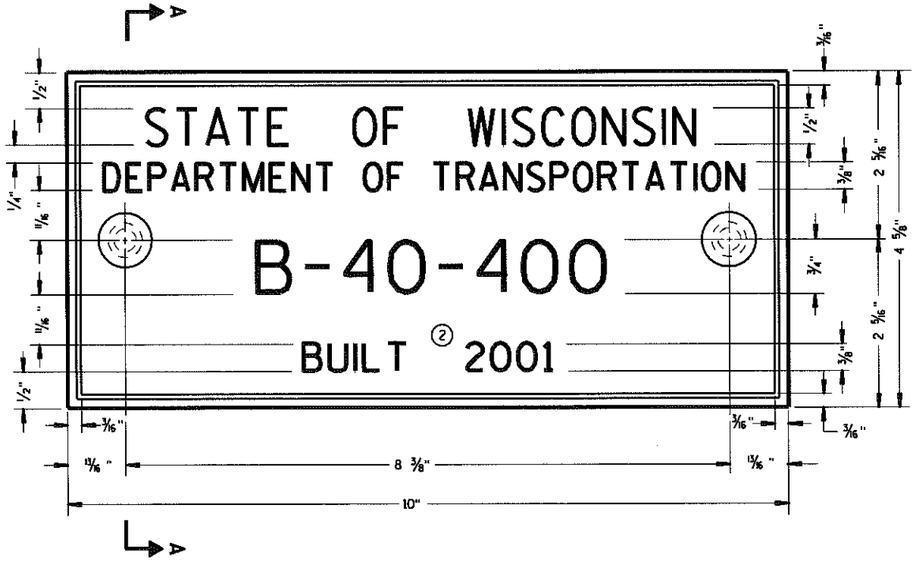
FHWA

6

S.D.D. 8 F 4-6

6

S.D.D. 8 F 4-6



TYPICAL NAME PLATE
(BRIDGES, CULVERTS, AND RETAINING WALLS)

FOR MULTI-UNIT STRUCTURES
LINE 3 ABOVE SHALL READ

B = BRIDGE
C = CULVERT
R = RETAINING WALL

COUNTY NO.

BRIDGE NO.

UNIT NO. FOR MULTIPLE UNIT BRIDGE

B-40-400-1A

NUMBERING DESIGNATION
MULTI-UNIT STRUCTURES

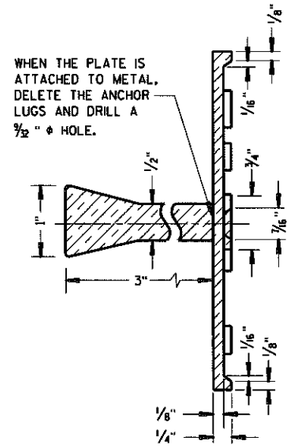
GENERAL NOTES

NAME PLATES TO BE INSTALLED ON BRIDGES, CULVERTS, AND RETAINING WALLS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS.

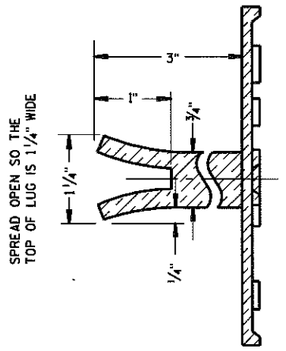
THE BRIDGE NUMBER AND YEAR BUILT SHOWN ON THIS DRAWING ARE EXAMPLES ONLY. SEE CONSTRUCTION PLANS FOR INDIVIDUAL NUMBERING AND YEAR BUILT.

① EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

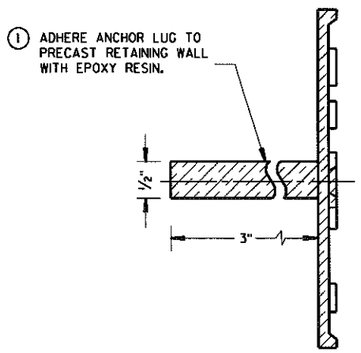
② REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



SECTION A-A



ALTERNATE LUG



ALTERNATE LUG
(FOR ATTACHMENT TO PRECAST STRUCTURES)

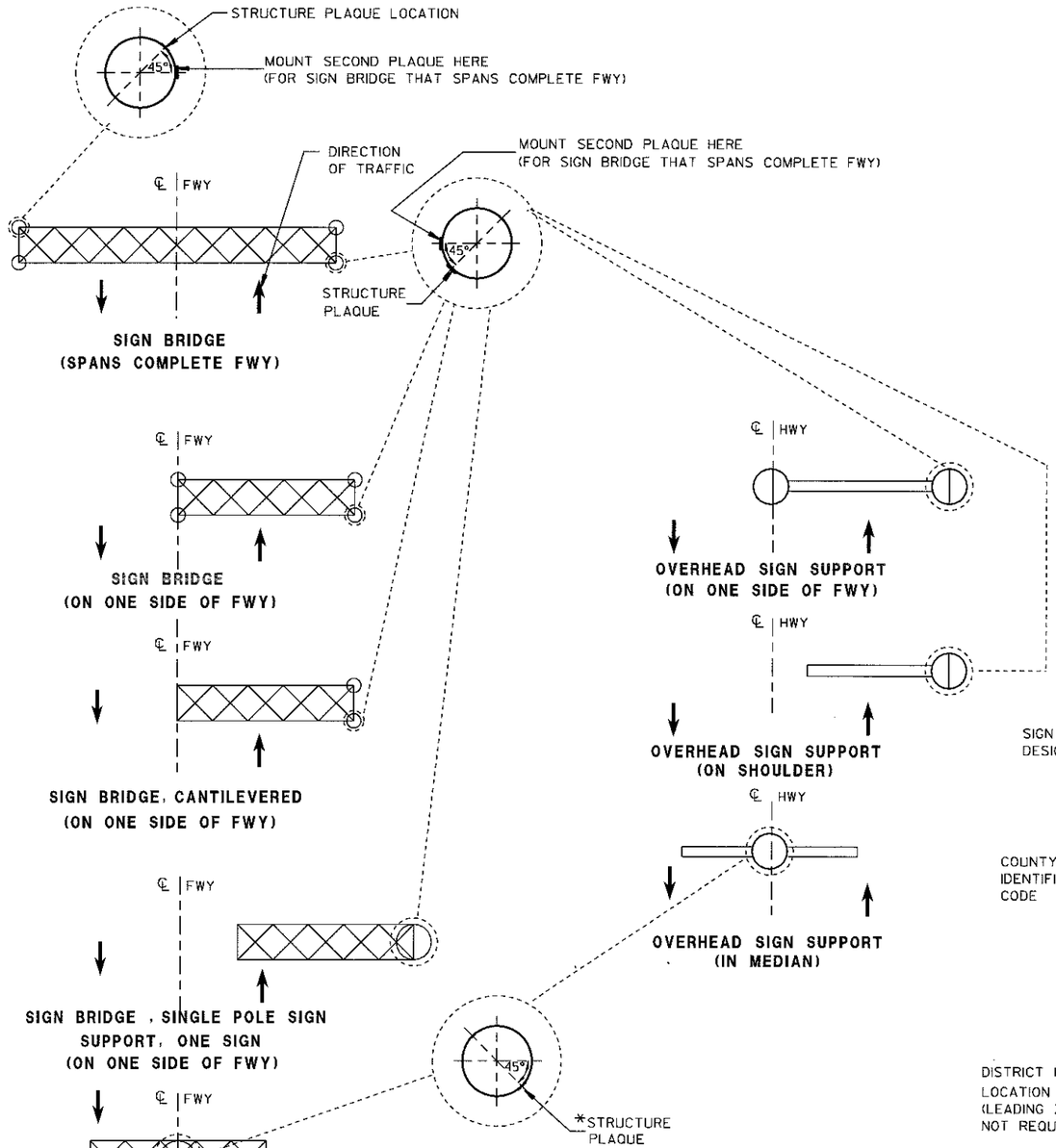
NAME PLATE (STRUCTURES)	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
2/26/07 DATE	/S/ Scot Becker CHIEF STRUCTURAL DEVELOPMENT ENGINEER
FHWA	

6

S.D.D. 12 A 3-9

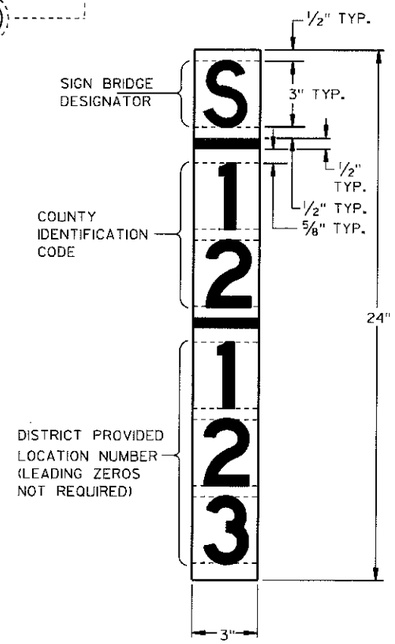
6

S.D.D. 12 A 3-9



LOCATION OF SIGN BRIDGE & OVERHEAD SIGN SUPPORT STRUCTURE PLAQUES

*WHEN SIGNS FACE TRAFFIC IN ONE DIRECTION, THE PLAQUE SHALL FACE TRAFFIC IN THE SAME DIRECTION. WHEN SIGNS ARE FACING TRAFFIC IN BOTH DIRECTIONS, THE PLAQUE SHALL FACE TRAFFIC IN THE CARDINAL DIRECTION.



SIGN BRIDGE AND OVERHEAD SIGN SUPPORT STRUCTURE PLAQUE FOR SIGN BRIDGES AND OVERHEAD SIGN SUPPORT WHICH ARE NOT STRUCTURE MOUNTED

GENERAL NOTES

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

PLAQUES SHALL BE INCIDENTAL TO ALL NEW INSTALLATIONS.

IF THE PROPOSED SIGN BRIDGE OR OVERHEAD SIGN SUPPORT IS REPLACING AN EXISTING SIGN BRIDGE OR OVERHEAD SIGN SUPPORT, A NEW IDENTIFICATION PLAQUE WILL BE REQUIRED.

FASTEN TOP, CENTER AND BOTTOM OF PLAQUE TO POLE OR OTHER LOCATION AS FOLLOWS:

GALVANIZED STEEL SHAFT - 3 STAINLESS STEEL POP RIVETS

A588 STEEL SHAFT - SHIM FOR DRAINAGE WITH STAINLESS WASHERS; FASTEN WITH STAINLESS SELF-TAPPING SCREWS

ALUMINUM SHAFTS - 3 ALUMINUM POP RIVETS

MOUNTING HEIGHT SHALL BE APPROXIMATELY 5.0' ABOVE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL OBSTRUCT.

PLAQUE MATERIALS:

BASE - SHEET ALUMINUM, 0.060" THICK.

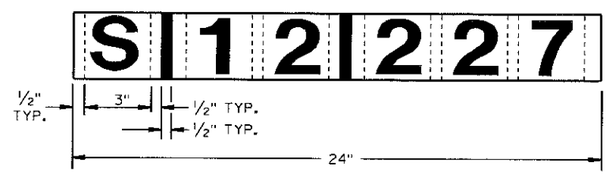
FACE - WHITE, SELF-ADHESIVE VINYL SHEETING, NON-RETROREFLECTIVE

LINES - BLACK, ½" WIDE, SELF-ADHESIVE

CHARACTERS:- BLACK, SELF ADHESIVE, SERIES "D", SIZE AS SHOWN.

FOR SIGN BRIDGES, STRUCTURE MOUNTED, THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY AS SHOWN ON THE DRAWING. THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY TO THE BACK OF THE SIGN, BETWEEN THE ALUMINUM EXTRUSIONS, NEAR THE TOP LEFT HAND CORNER OF THE SIGN. THE BASE MATERIAL SHALL BE OMITTED AND THE FACE ADHERED DIRECTLY TO THE ALUMINUM SURFACE. PRIOR TO ADHERING THE MATERIAL, THE ALUMINUM SURFACE SHALL BE SMOOTH, CLEAN AND DRY.

WHERE SIGN BRIDGE ILLUMINATION IS PROVIDED, THE STRUCTURE MUST ALSO HAVE A SIGN BRIDGE CIRCUIT PLAQUE AS SHOWN IN THE ELECTRICAL DETAILS.



IDENTIFICATION PLAQUE FOR SIGN BRIDGE, STRUCTURE MOUNTED

STRUCTURE IDENTIFICATION PLAQUES, SIGN BRIDGES & OVERHEAD SIGN SUPPORT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4/22/99
DATE
Charles J. Senger
CHIEF SIGNS AND MARKING ENGINEER
FHWA

S.D.D. 12 A 4-1

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S.D.D. 12 A 4-1

PAVEMENT TYPE OF TRAFFIC LANES	TIE BAR SPACING	SHOULDER JOINT SPACING
NON-REINFORCED	30"	MATCH JOINT SPACING OF ADJACENT TRAFFIC LANE
REINFORCED	30"	20' AND MATCH JOINT SPACING OF ADJACENT TRAFFIC LANE
CONTINUOUSLY REINFORCED	30"	15' FOR 6' TO 10' WIDE SHOULDERS
CONTINUOUSLY REINFORCED	36"	12' FOR 3' WIDE SHOULDERS

GENERAL NOTES

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

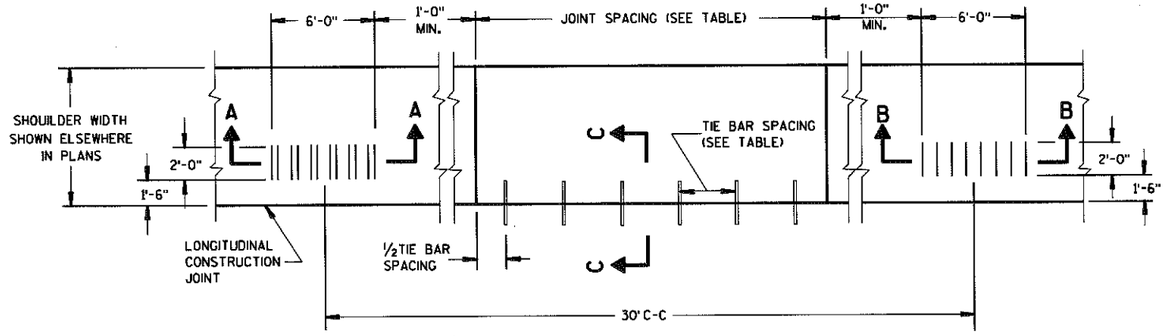
CORRUGATIONS SHALL BE PERPENDICULAR TO THE PAVEMENT EDGE.

TRANSVERSE JOINT DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

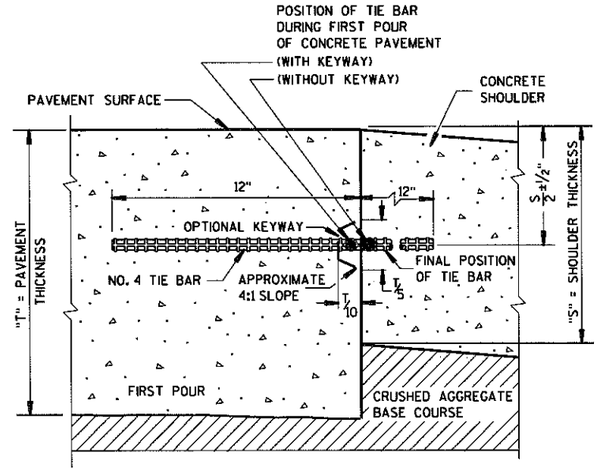
THE SHOULDER PAVEMENT SHALL RECEIVE A FINISH WITH AN ARTIFICIAL TURF DRAG IN CONFORMANCE WITH SUBSECTION 415.5.9.6.2 OF THE STANDARD SPECIFICATIONS

TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.4 OF THE STANDARD SPECIFICATIONS.

** SAWED CORRUGATIONS SHALL NOT BE USED UNLESS SPECIFIED ELSEWHERE IN THIS CONTRACT.

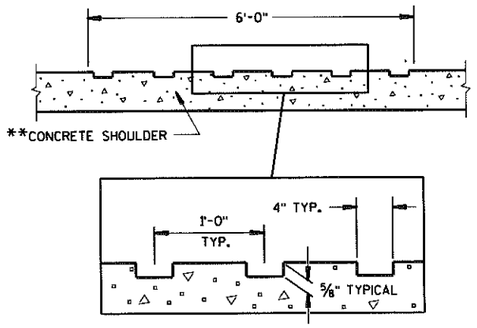


PLAN VIEW OF CONCRETE SHOULDER

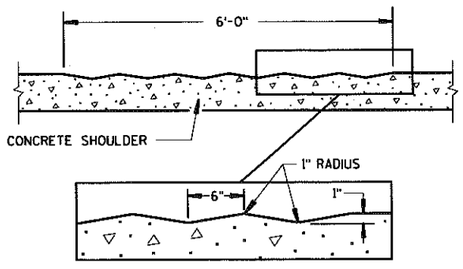


SECTION C-C

LONGITUDINAL CONSTRUCTION JOINT



** SECTION A-A (SAWED)



SECTION B-B (FORMED)

CORRUGATION DETAIL

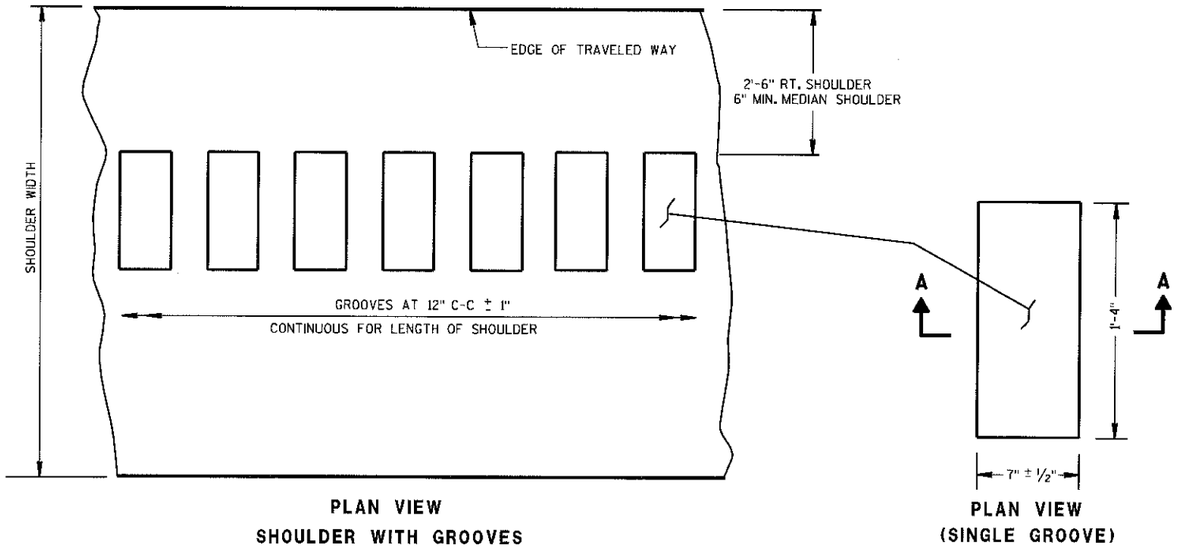
CONCRETE PAVEMENT SHOULDERS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9/8/03
DATE
Bill Dreckert
PAVEMENT ENGINEER
FHWA

6

S.D.D. 13 A 3-4



PLAN VIEW
SHOULDER WITH GROOVES

PLAN VIEW
(SINGLE GROOVE)

PLACEMENT DETAIL FOR MILLED RUMBLE STRIP

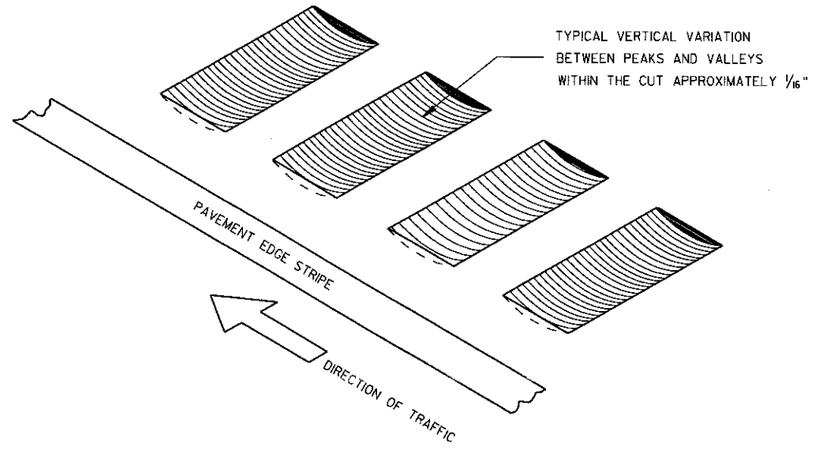
GENERAL NOTES

DETAILS OF CONSTRUCTION SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

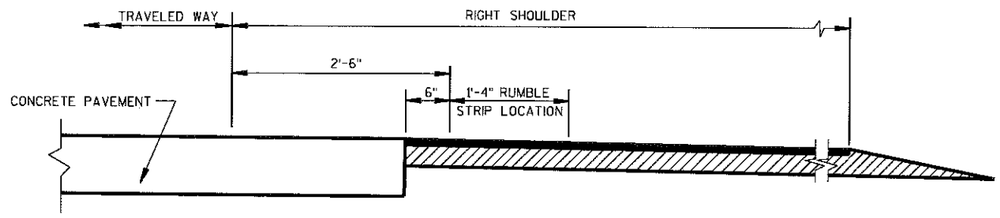
RUMBLE STRIPS ON EXPRESSWAYS

DO NOT INSTALL RUMBLE STRIPS ACROSS SIDE ROAD INTERSECTIONS, COMMERCIAL DRIVEWAYS OR ADJACENT TO RIGHT TURN LANES, LEFT TURN LANES OR TURN LANE TAPERS. THE ATTACHED STANDARD DETAIL DRAWING SHOWS THE LOCATION OF THE RUMBLE STRIPS AT INTERCHANGE AREAS.

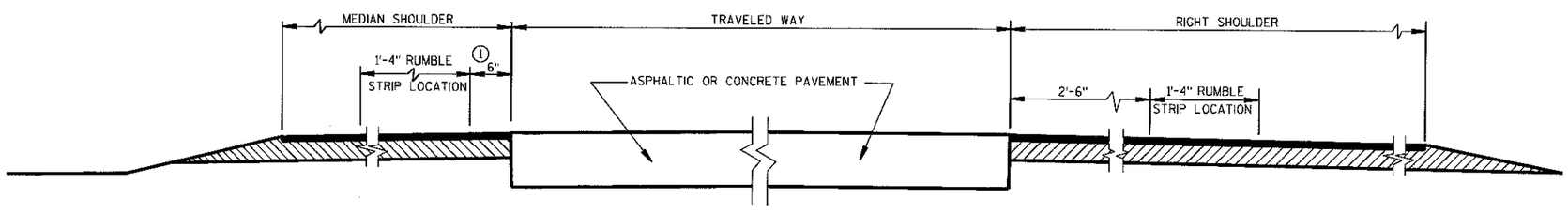
① 2'-6" FOR MEDIAN SHOULDERS THAT HAVE A PAVED WIDTH OF 5'-0" OR MORE.



ISOMETRIC

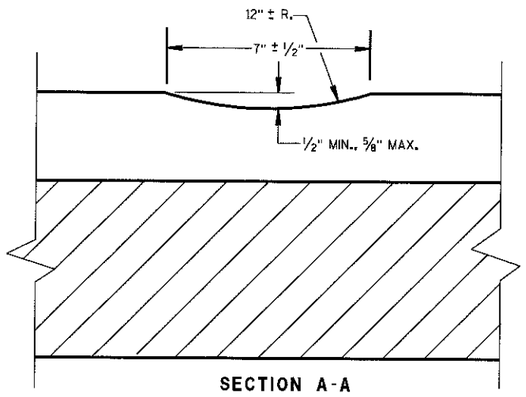


SECTION VIEW
CONCRETE PAVEMENT EXTENDS INTO RIGHT SHOULDER)



SECTION VIEW

TYPICAL LOCATIONS OF ASPHALTIC SHOULDER RUMBLE STRIPS
IN RURAL DIVIDED HIGHWAYS
(ONE ROADWAY IS SHOWN)



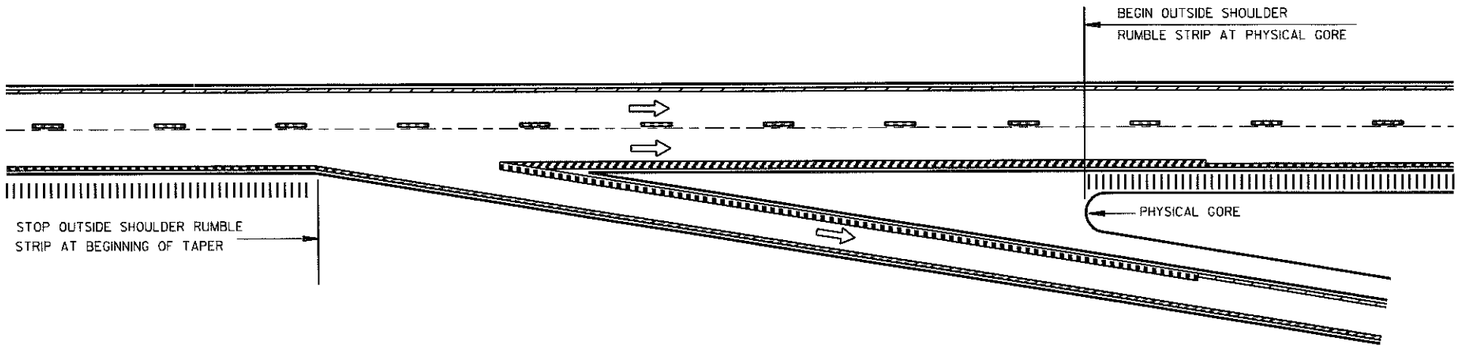
SECTION A-A

ASPHALTIC SHOULDER
RUMBLE STRIP, MILLING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

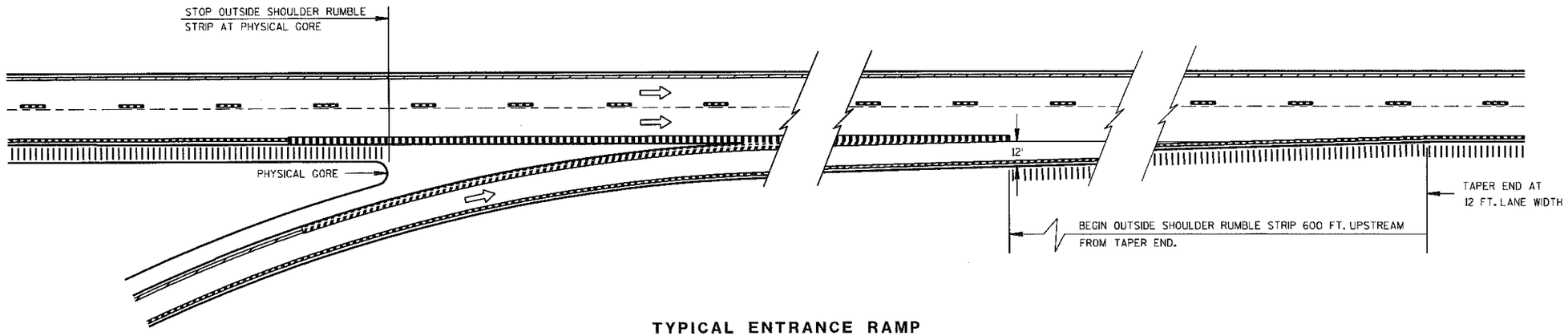
S.D.D. 13 A 5-30

S.D.D. 12 A 5-30



TYPICAL EXIT RAMP

NOTE:
ARROW SYMBOL (⇨)
SHOWS DIRECTION OF TRAVEL



TYPICAL ENTRANCE RAMP

RAMP AND GORE RUMBLE STRIP LOCATIONS

NOTES:

NO RUMBLE STRIP ON EXIT, DIRECTIONAL, OR ENTRANCE RAMPS, EXCEPT NEAR THE ENTRANCE TAPER END AS SHOWN.

PAVEMENT MARKING DETAILS AND SPECIFICATIONS ARE PROVIDED ELSEWHERE IN THE CONTRACT.

ASPHALTIC SHOULDER
RUMBLE STRIP, MILLING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

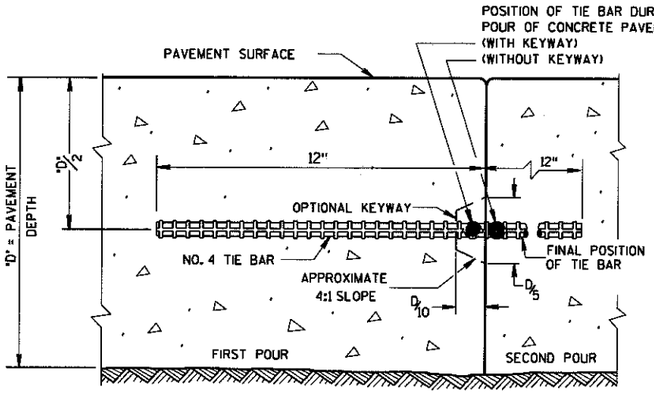
APPROVED
10/1/99
DATE

CHIEF ROADWAY DEVELOPMENT ENGINEER

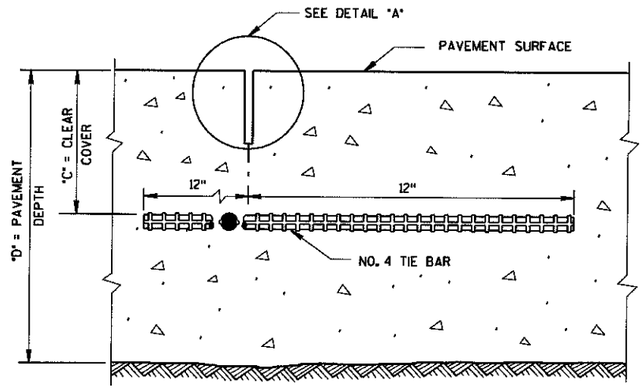
FHWA

6

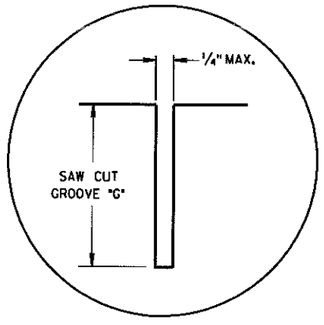
S.D.D. 13 A 5-3b



CONSTRUCTION JOINT



SAWED JOINT



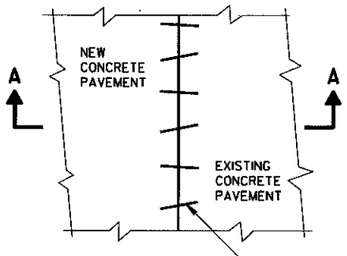
DETAIL "A"

GENERAL NOTES

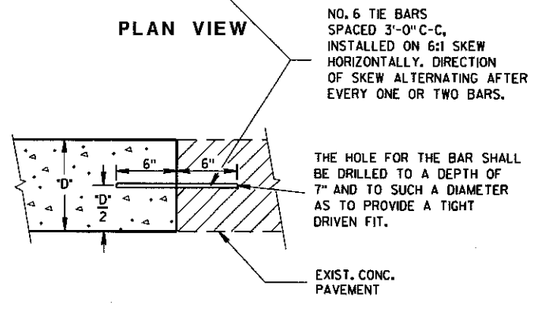
DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

LONGITUDINAL JOINTS SHALL NOT BE SEALED OR FILLED.

TIE BAR SPACINGS ARE VALID ONLY FOR PAVEMENT WIDTHS IN THE TABLE. FOR WIDER PAVEMENTS, TIED CONCRETE SHOULDERS OR RAMPS, THE TIE BAR SPACING SHALL BE AS SHOWN ON THE PLANS.



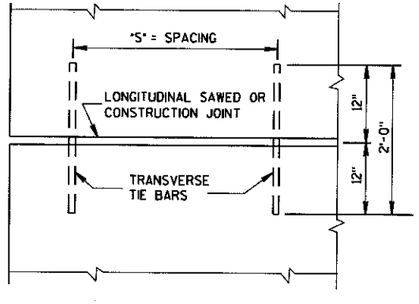
PLAN VIEW



SECTION A-A

PAVEMENT TIES

PAVEMENT DEPTH "D"	CLEAR COVER "C"	SAW CUT GROOVE "G"	MAXIMUM TIE BAR SPACING "S"	
			PAVEMENT WIDTH	
			24' OR 26'	30'
6, 6 1/2"	3"±1/2"	2"	48"	42"
7, 7 1/2"	3 1/4"±1"	2 1/4"	45"	36"
8, 8 1/2"	3 3/4"±1"	2 1/2"	39"	30"
9, 9 1/2"	4 1/4"±1"	3"	33"	27"
10, 10 1/2"	4 3/4"±1"	3 1/4"	30"	24"
11, 11 1/2"	5 1/4"±1"	3 3/4"	27"	21"
12"	5 3/4"±1"	4	24"	21"



PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT
LONGITUDINAL JOINTS
AND PAVEMENT TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

3/21/07
DATE

/S/ Steven W. Krebs
CHIEF MATERIALS MANAGEMENT ENGINEER

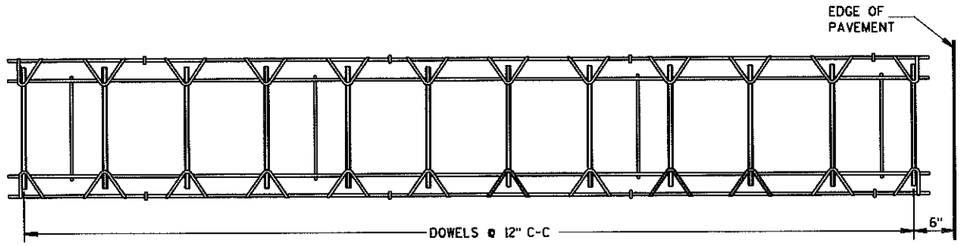
FHWA

6

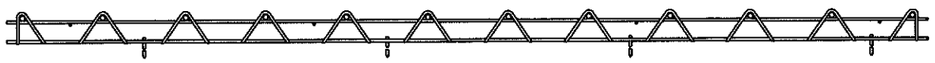
S.D.D. 13 C 1-12

6

S.D.D. 13 C 1-12



PLAN VIEW

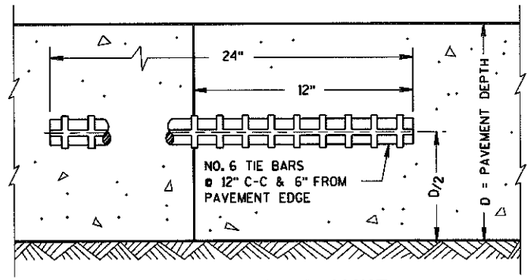


SIDE VIEW

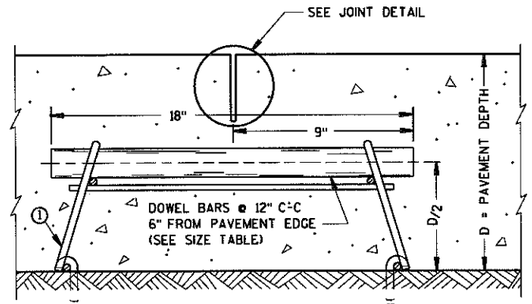
CONTRACTION JOINT DOWEL ASSEMBLY ①

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

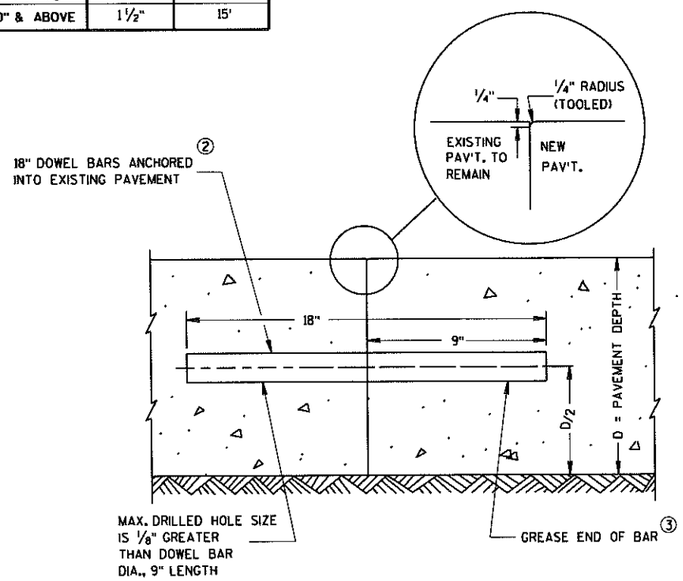
PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5 ½", 6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8", 8 ½"	1¼"	15'
9", 9 ½"	1¼"	15'
10" & ABOVE	1½"	15'



CONSTRUCTION JOINT

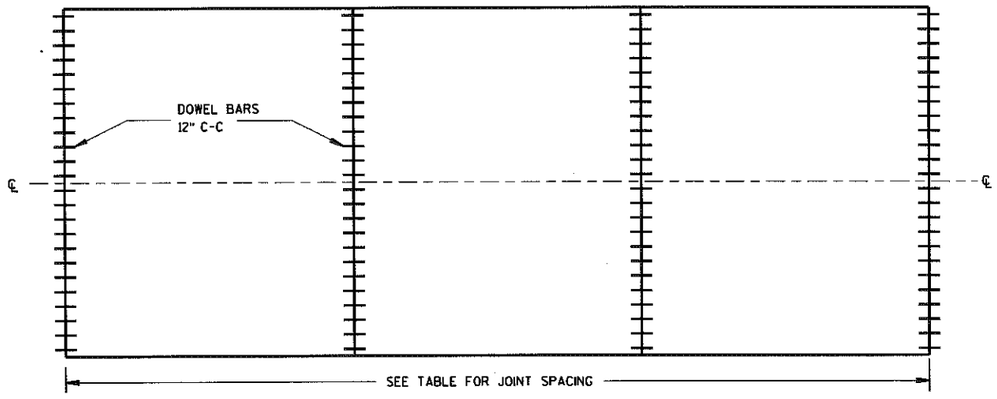


DOWELED CONTRACTION JOINT



TRANSVERSE CONTRACTION JOINTS ABUTTING EXISTING PAVEMENT

④ DOWEL BAR DETAIL



CONTRACTION JOINT LOCATIONS

GENERAL NOTES

CONTRACTION JOINTS

CONSTRUCT CONTRACTION JOINTS NORMAL TO THE CENTERLINE. SHOW THE LOCATION OF CONTRACTION JOINTS THROUGH INTERSECTIONS ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

DO NOT SEAL OR FILL CONTRACTION JOINTS.

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

LOCATE THE OUTER MOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS A MINIMUM OF 6 INCHES AND A MAXIMUM OF 14 INCHES FROM THE EDGE OF PAVEMENT OR LONGITUDINAL JOINT.

CONSTRUCTION JOINTS

LOCATE CONSTRUCTION JOINTS A MINIMUM OF 4 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.

THE CONTRACTOR MAY INSERT TIE BARS THROUGH THE HEADER BOARD AFTER THE CONCRETE HAS BEEN PLACED.

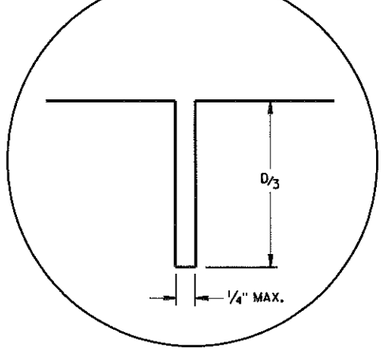
① THE ENGINEER MAY APPROVE THE USE OF ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY. THE CONTRACTOR MAY USE MECHANICAL DOWEL BAR INSERTERS INSTEAD OF DOWEL ASSEMBLIES.

② ANCHOR DOWEL BARS INTO DRILLED HOLES WITH AN EPOXY.

③ APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

④ SPACE DOWEL BARS INSTALLED BY DRILLING 1'-3" ON CENTER. CENTER THE GROUPING OF DOWEL BARS INSIDE THE SLAB BASED ON ALL THE FOLLOWING SITUATIONS:

BETWEEN THE EDGES OF PAVEMENTS WITHOUT LONGITUDINAL JOINTS OR BETWEEN THE EDGE OF PAVEMENT AND NEAREST LONGITUDINAL JOINT OR BETWEEN TWO ADJACENT LONGITUDINAL JOINTS.



JOINT DETAIL

URBAN DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

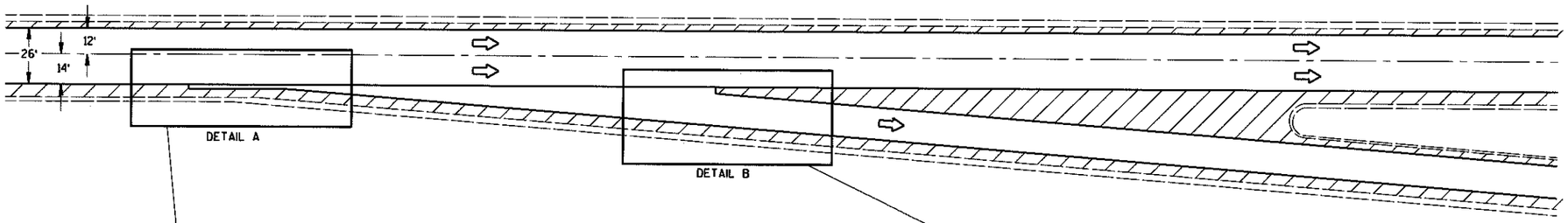
APPROVED
5/30/08 DATE
/S/ Debra Bischoff PAVEMENT POLICY & DESIGN ENGINEER
FHWA

6

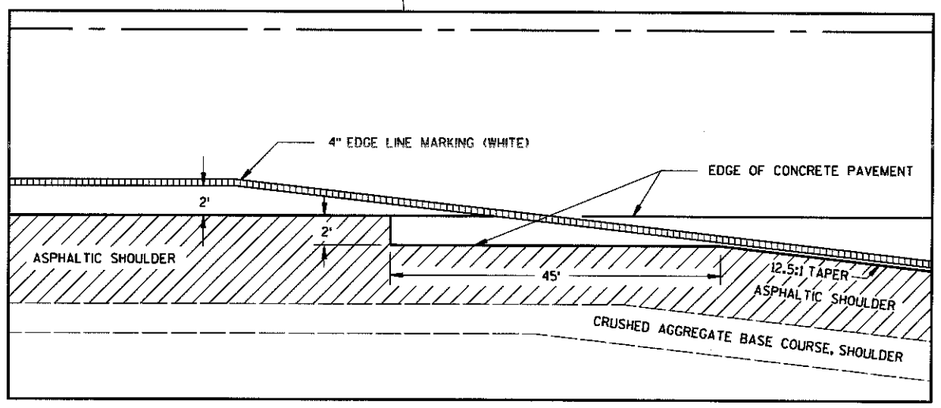
S.D.D. 13 C 13-6

6

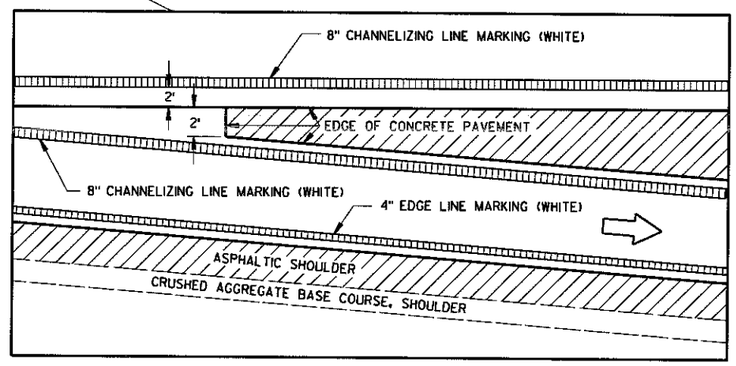
S.D.D. 13 C 13-6



EXIT RAMP DETAIL



DETAIL A



DETAIL B

CONCRETE JOINT PAVING DETAILS

GENERAL NOTES

PAVEMENT MARKING DETAILS AND SPECIFICATIONS ARE PROVIDED ELSEWHERE IN THE CONTRACT.

SEE SDD 13 A 4-4c OR SDD 13 A 5-1b FOR RAMP AND GORE RUMBLE STRIP LOCATION.

CONCRETE JOINT DETAIL FOR EXIT RAMP TERMINI

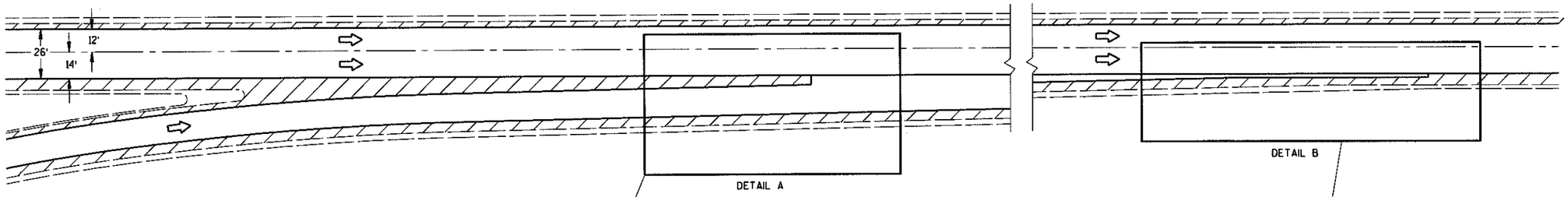
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

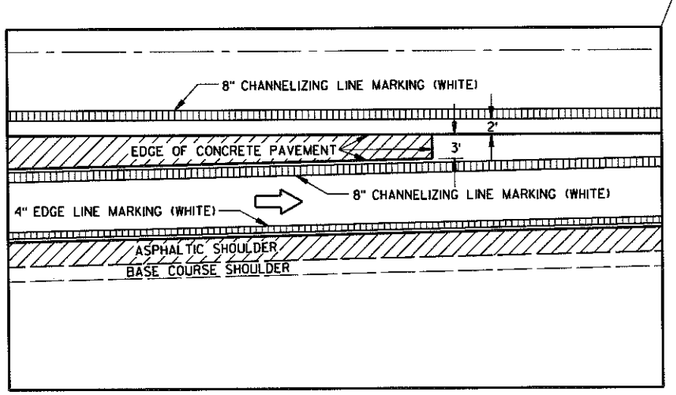
S.D.D. 13 C 17-1a

6

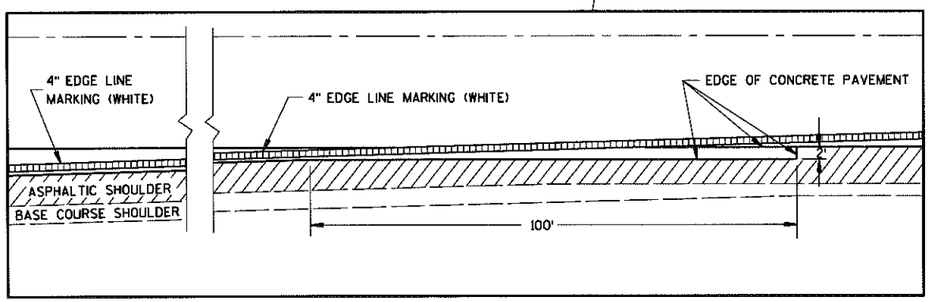
S.D.D. 13 C 17-1a



ENTRANCE RAMP DETAIL



DETAIL A



DETAIL B

CONCRETE JOINT PAVING DETAILS

GENERAL NOTES

PAVEMENT MARKING DETAILS AND SPECIFICATIONS ARE PROVIDED ELSEWHERE IN THE CONTRACT.

SEE SDD 13 A 4-4c OR SDD 13 A 5-1b FOR RAMP AND GORE RUMBLE STRIP LOCATION.

CONCRETE JOINT DETAIL FOR ENTRANCE RAMP TERMINI

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5/27/98
DATE

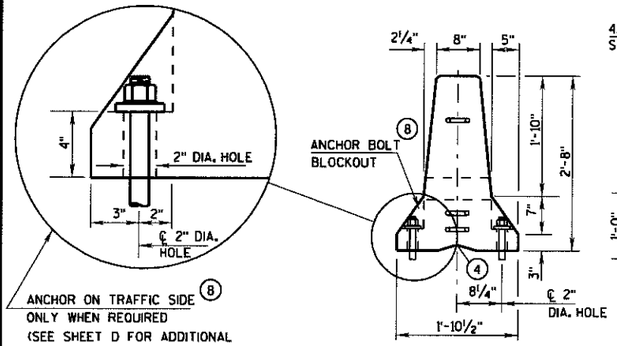
CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

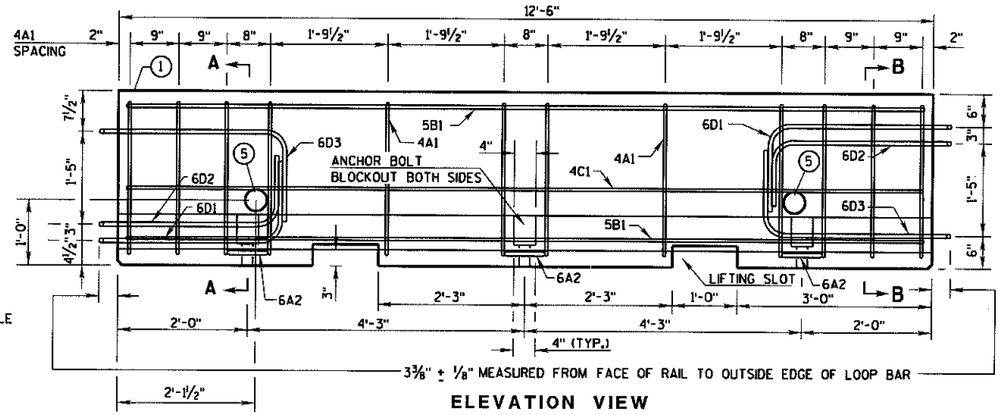
S.D.D. 13 C 17-1b

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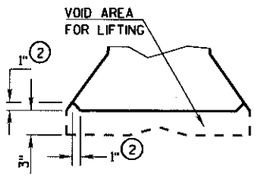
S.D.D. 13 C 17-1b



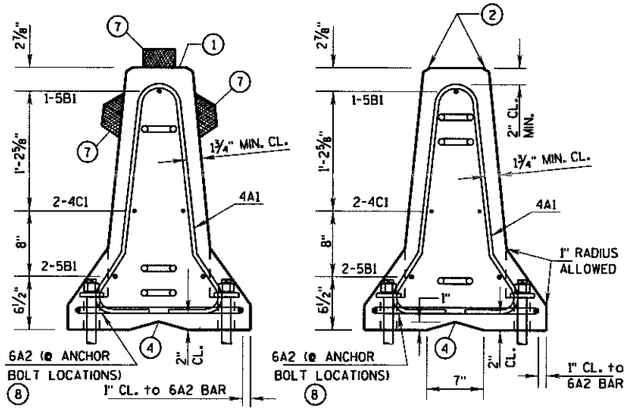
END VIEW



ELEVATION VIEW

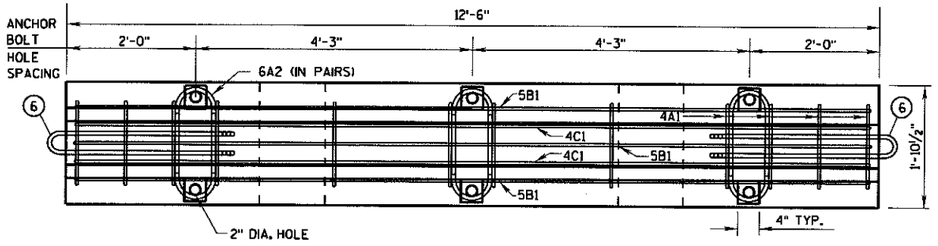


DETAIL "B"
LIFTING SLOT DETAIL



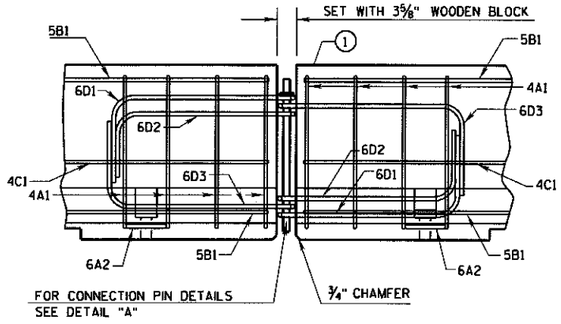
SECTION A-A
(STIRRUP PLACEMENT)

SECTION B-B
(STIRRUP PLACEMENT)

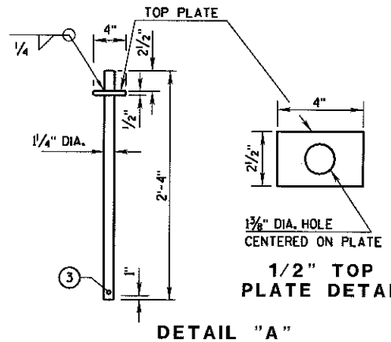


PLAN VIEW

DETAILS OF BARRIER SECTION



DETAILS OF BARRIER CONNECTION



1/2" TOP PLATE DETAIL

DETAIL "A"
CONNECTION PIN
(A36 STEEL (10.9 LB EACH))

GENERAL NOTES

THESE GENERAL NOTES APPLY TO SHEETS 14B7-11(a) THRU 14B7-11(d).

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.

THIS STANDARD DETAIL DRAWING CONSISTS OF 6 SHEETS, 14B7-11(a) THRU 14B7-11(f).

DETAILS AND REQUIREMENTS FOR THE FABRICATION AND INSTALLATION OF CONCRETE BARRIER TEMPORARY PRECAST, 12'-6" (CBTP12.5) ARE SHOWN ON 4 SHEETS, 14B7-11(a) THRU 14B7-11(d)

DETAILS AND REQUIREMENTS FOR CONCRETE BARRIER TEMPORARY PRECAST, 10'-0" (CBTP10.0) ARE SHOWN ON 2 SHEETS, 14B7-11(e) THRU 14B7-11(f). CONCRETE BARRIER TEMPORARY PRECAST, 10'-0" (CBTP10.0) MAY BE USED UNTIL MAY 31, 2013, BUT ONLY IF ALL THE FOLLOWING CONDITIONS ARE MET:

- THE CBTP10.0 WAS MANUFACTURED BEFORE JUNE 1, 2003.
- THE CBTP10.0 MEETS ALL THE REQUIREMENTS OF STANDARD DETAIL DRAWINGS 14B7-11(e) AND 14B7-11(f).
- THE CBTP10.0 IS IN GOOD CONDITION.

DO NOT INTERMIX CONCRETE BARRIER TEMPORARY PRCAST, 12'-6" (CBTP12.5) WITH CONCRETE BARRIER TEMPORARY PRECAST, 10'-0" (CBTP10.0) IN ANY SINGLE RUN OR INSTALLATION.

USE ASTM A-615, GRADE 60, DEFORMED STEEL BARS FOR BARS 4A1, 6A2, 5B1 AND 4C1 IN THE BARRIER SECTION AND FOR 4V1, 4V2, 4V3, 4V4, 4V5, 4V6, 4F1, 4F2 AND 5F3 IN THE BARRIER TAPER SECTION.

LOOP BARS 6D1, 6D2 AND 6D3 SHALL BE ¾" SMOOTH STEEL BARS WITH A MINIMUM YIELD STRENGTH OF 60 KSI, A TENSILE STRENGTH OF NOT LESS THAN 1.25 TIMES THE YIELD STRENGTH BUT A MINIMUM OF 80 KSI, A MINIMUM 14% ELONGATION IN 8 INCHES AND PASSING A 180 DEGREE BEND TEST USING A 3-½" PIN BEND DIAMETER FOR BEND TESTS. THE LOOPS SHALL BE INSTALLED WITHIN ⅛" OF THE PLAN DIMENSION.

CONSTRUCT LIFTING SLOTS AS SPECIFIED ON THE PLANS TO FACILITATE THE DRAINAGE OF WATER AFTER INSTALLATION.

PLACE BARRIER ON A PAVED SURFACE. REMOVE ALL LOOSE DIRT AND SAND FROM THE ROADWAY SURFACE PRIOR TO PLACEMENT OF THE BARRIER.

(1) MARK ONE END OF EACH BARRIER PERMANENTLY BY STAMPING OR FORMING INTO THE BARRIER THE FOLLOWING INFORMATION:
   a. TYPE CBTP
   b. MANUFACTURER
   c. DATE MANUFACTURED (MONTH AND YEAR)

(2) 1" CHAMFER TO PREVENT SPALLING.

(3) A ⅜" HOLE IN THE CONNECTION PIN, AT THE LOCATION SHOWN, IS ACCEPTABLE, BUT NOT REQUIRED..

(4) "V" NOTCH IS OPTIONAL.

(5) THE 4" DIAMETER, 11 GAUGE STEEL, ROUND MECHANICAL TUBING SLEEVE FOR LIFTING (OPTIONAL).

(6) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

(7) USE DELINEATORS CONFORMING TO SECTION 633 OF THE STANDARD SPECIFICATIONS. CONTRACTOR MAY USE ALTERNATE SHAPES AND HOUSING. INSTALL DELINEATORS ACCORDING TO MANUFACTURES INSTRUCTION. INSTALL YELLOW REFLECTORS WHEN BARRIER IS LOCATED TO THE LEFT OF TRAFFIC AND WHITE REFLECTORS WHEN BARRIER IS LOCATED TO THE RIGHT OF TRAFFIC. SPACE DELINEATORS A MAXIMUM OF 25 FEET APART. PROVIDE TOP MOUNTED DELINEATORS IN ADDITION TO THE SIDE MOUNTED DELINEATORS ON ALL BARRIER INSTALLATIONS LOCATED ON A CURVED ALIGNMENT LONGER THAN 200 FEET AND ON BARRIERS USED TO SEPARATE OPPOSING TRAFFIC.

(8) SEE SHEET D FOR ANCHORING CRITERIA.

CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

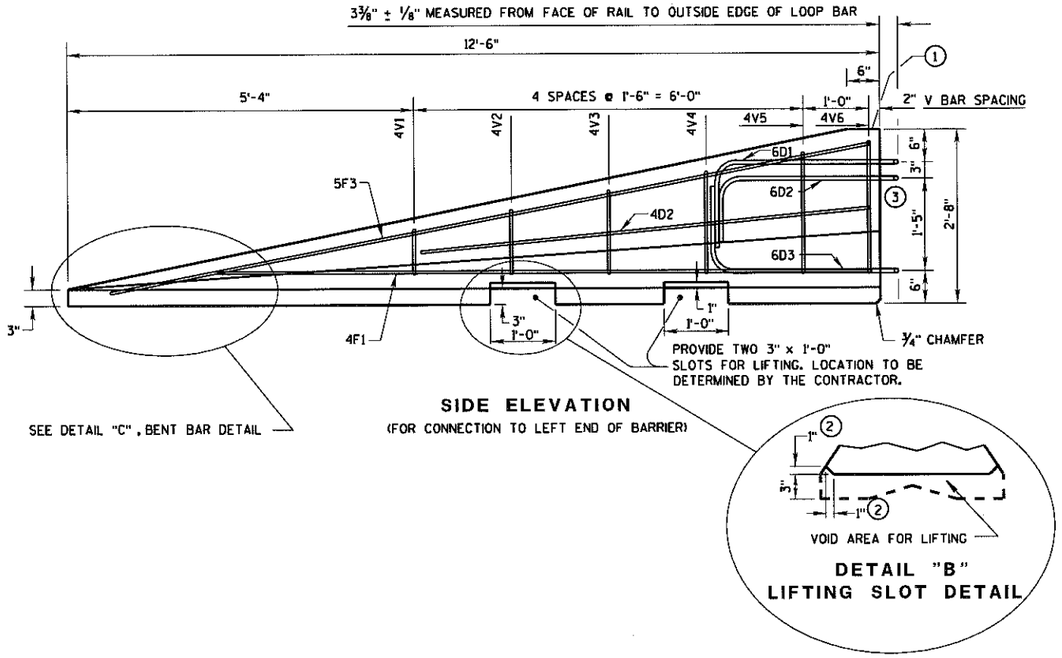
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

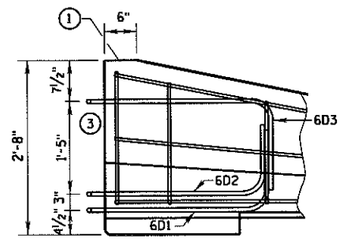
6

S.D.D. 14 B 7-11a

6

S.D.D. 14 B 7-11a





SIDE ELEVATION

LOOP BAR ASSEMBLY INVERTED FOR OPPOSITE END.

(FOR CONNECTION TO RIGHT END OF BARRIER)

GENERAL NOTES

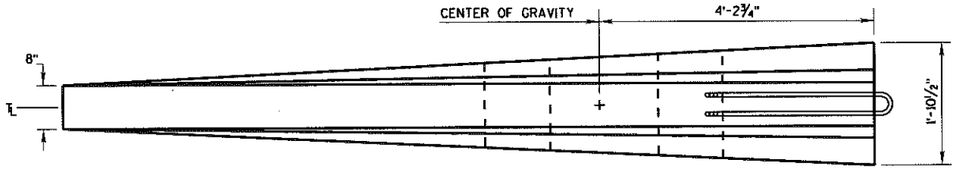
THE GENERAL NOTES ON SHEET 14B7-11(a) APPLY TO THIS SHEET.

(1) MARK ONE END OF EACH BARRIER PERMANENTLY BY STAMPING OR FORMING INTO THE BARRIER THE FOLLOWING INFORMATION:

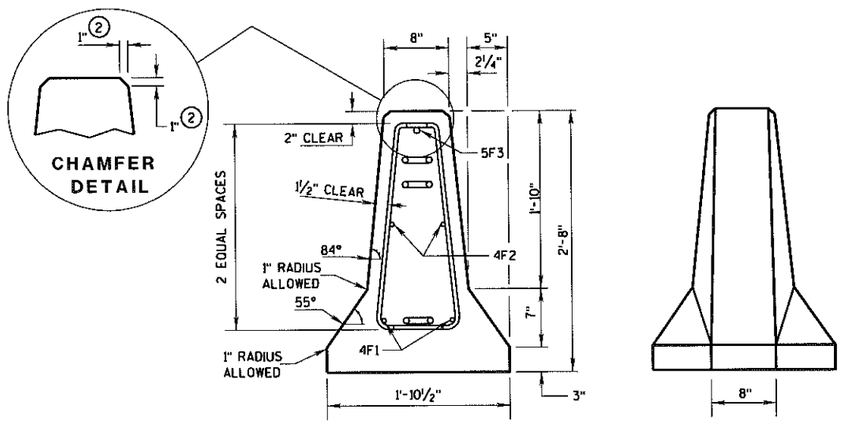
- a. TYPE CBTP
- b. MANUFACTURER
- c. DATE MANUFACTURED (MONTH AND YEAR)

(2) 1" CHAMFER TO PREVENT SPALLING.

(3) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

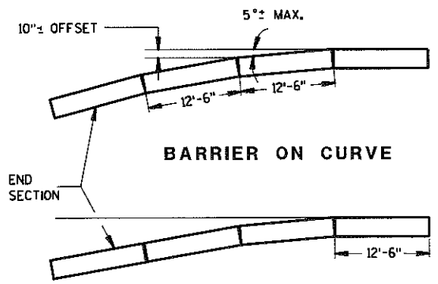


PLAN VIEW



END SECTION

FRONT ELEVATION



FLARE AT BARRIER END

POSTED SPEED, (MPH)	FLARE RATE
40 OR LESS	10:1
45 OR GREATER	15:1

DETAILS OF BARRIER TAPER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 14 B 7-11b

6

S.D.D. 14 B 7-11b

GENERAL NOTES

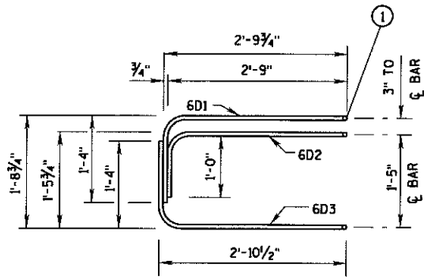
THE GENERAL NOTES ON SHEET 14B7-11(a) APPLY TO THIS SHEET.

(1) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

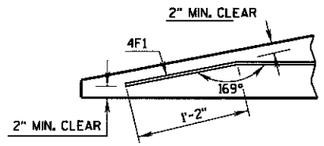
BARRIER TAPER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER TAPER SECTION)

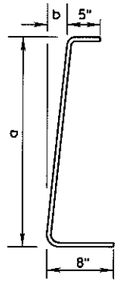
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4V1	4	2	1'-11"
4V2	4	2	2'-2"
4V3	4	2	2'-6"
4V4	4	2	2'-9"
4V5	4	2	3'-2"
4V6	4	2	3'-4"
4F1	4	2	12'-0"
4F2	4	2	7'-6"
5F3	5	1	11'-9"
LOOP ASSEMBLY			
6D1	6	1	8'-5"
6D2	6	1	7'-7"
6D3	6	1	8'-6"



ELEVATION
LOOP BAR ASSEMBLY



DETAIL "C"
BENT BAR DETAIL



BAR	a	b
V1	10"	1"
V2	1'-1"	1¼"
V3	1'-5"	1⅝"
V4	1'-8"	1⅞"
V5	2'-0½"	2⅜"
V6	2'-3"	2¾"

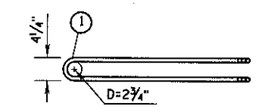
4V BARS
2 AT EACH SIZE REQUIRED
FOR STIRRUP ASSEMBLY

TAPER BARRIER SECTION

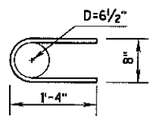
BARRIER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER SECTION)

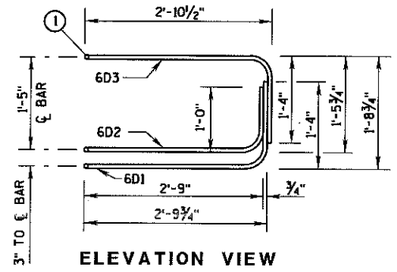
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4A1	4	12	6'-0"
6A2	6	6	2'-11"
5B1	5	3	12'-2"
4C1	4	2	12'-2"
LOOP ASSEMBLY			
6D1	6	2	8'-5"
6D2	6	2	7'-7"
6D3	6	2	8'-6"



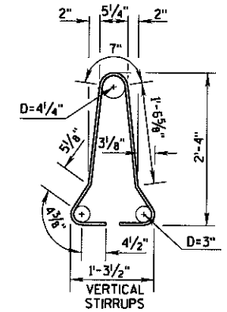
PLAN VIEW
LOOP BAR ASSEMBLY
(MARKED END SHOWN, INVERT FOR OTHER END)



6A2



ELEVATION VIEW



4A1

BARRIER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

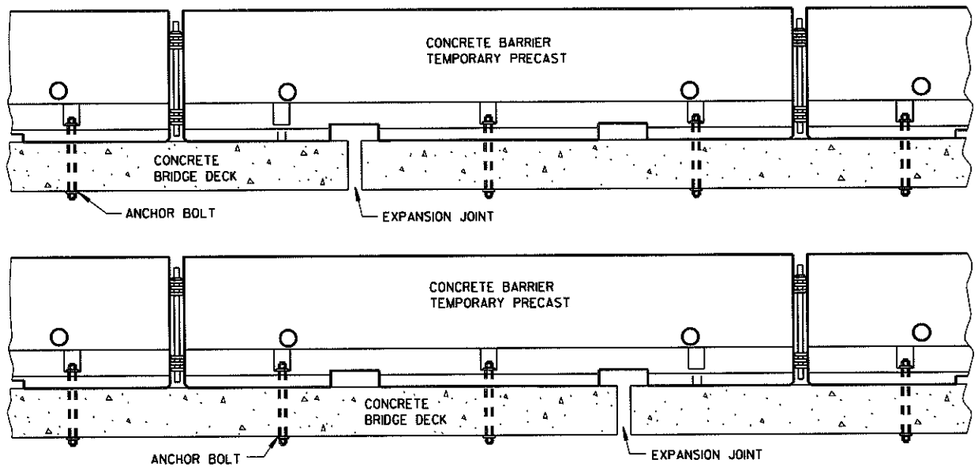
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S.D.D. 14 B 7-11c

6

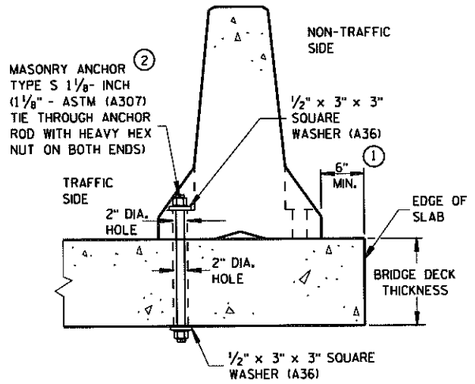
S.D.D. 14 B 7-11c

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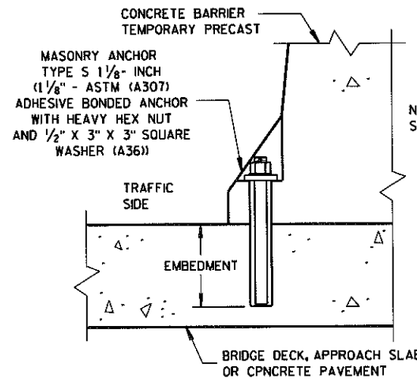
TREATMENT AT BRIDGE DECK EXPANSION JOINTS

(NO SINGLE CONCRETE BARRIER SECTION SHALL BE ANCHORED TO BOTH THE BRIDGE DECK AND THE APPROACH SLAB. ALL ANCHOR BOLT LOCATIONS SHALL BE ANCHORED TO THE DECK IN ACCORDANCE WITH THE DETAIL. NO MORE THAN ONE ANCHOR BOLT SHALL BE ELIMINATED FROM A BARRIER SECTION WHEN SPANNING AN EXPANSION JOINT.)



THROUGH BOLTED ANCHOR INSTALLATION ON BRIDGE DECK

(DO NOTUSE ON CONCRETE BRIDGE DECK WITH ASPHALT OVERLAY)



REMOVABLE ADHESIVE BONDED ANCHOR INSTALLATION ON CONCRETE BRIDGE DECK, CONCRETE APPROACH SLAB, OR CONCRETE PAVEMENT ②

(DO NOT USE ON CONCRETE WITH AN ASPHALTIC OVERLAY)

GENERAL NOTES

THE GENERAL NOTES ON SHEET 14B7-11(a) APPLY TO THIS SHEET.

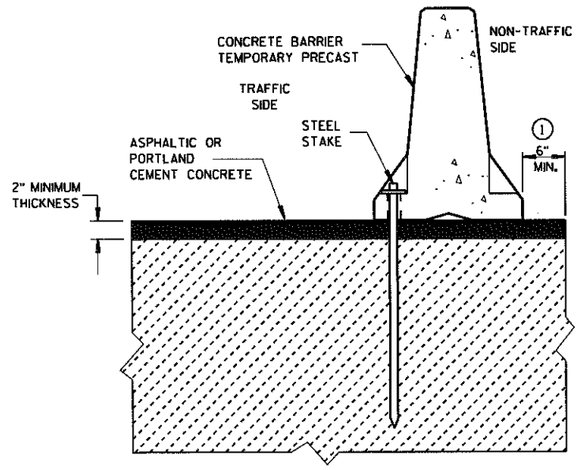
① CONCRETE BARRIER TEMPORARY PRECAST, 12'-6" SHALL BE ANCHORED IF:
THE DISTANCE TO A 2 FOOT OR GREATER DROPOFF THAT IS STEEPER THAN 3H : 1V, FOR EXAMPLE THE EDGE OF A BRIDGE DECK OR A DROPOFF AT THE EDGE OF PAVEMENT, IS LESS THAN 4 FEET FROM THE SIDE OF THE BARRIER CLOSEST TO THE DROPOFF AND THE POSTED SPEED IS 45 MPH OR GREATER, OR

THE DISTANCE TO A 2 FOOT OR GREATER DROPOFF THAT IS STEEPER THAN 3H : 1V, FOR EXAMPLE THE EDGE OF A BRIDGE DECK OR A DROPOFF AT THE EDGE OF PAVEMENT, IS LESS THAN 2 FEET FROM THE SIDE OF THE BARRIER CLOSEST TO THE DROPOFF AND THE POSTED SPEED IS 40 MPH OR LESS.

② ANCHORING IS INCIDENTAL TO CONCRETE BARRIER TEMPORARY PRECAST.

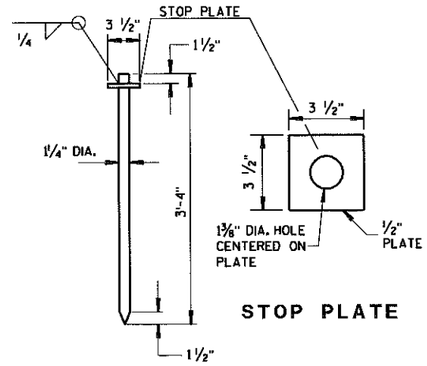
WITH THE APPROVAL OF THE ENGINEER, REMOVABLE ADHESIVE BONDED (EPOXY) ANCHOR BOLT INSTALLATION MAY BE USED IN LIEU OF THROUGH BOLTED ANCHOR INSTALLATION. THE ADHESIVE BONDED ANCHOR BOLT MUST BE REMOVABLE. USE ASTM (A307) MASONRY ANCHORS TYPE S 1⅛-INCH, EMBEDDED TO A DEPTH SUFFICIENT TO DEVELOP THE ULTIMATE CAPACITY OF THE ANCHOR BOLT AND PROVIDE DOCUMENTATION TO CONFIRM THIS.

UPON REMOVAL OR RELOCATION OF THE BARRIER UNITS, REMOVE ALLANCHOR BOLTS AND COMPLETELY FILL IN THE REMAINING HOLES IN CONCRETE BRIDGE DECKS, CONCRETE APPROACH SLABS AND CONCRETE PAVEMENTS THAT ARE TO REMAIN, WITH A NON-SHRINK COMMERICAL GROUT OR EPOXY MATERIAL IDENTIFIED ON THE CURRENT WISDOT APPROVED PRODUCTS LIST.



STAKE DOWN INSTALLATION FOR ASPHALTIC OR PORTLAND CEMENT CONCRETE SURFACE

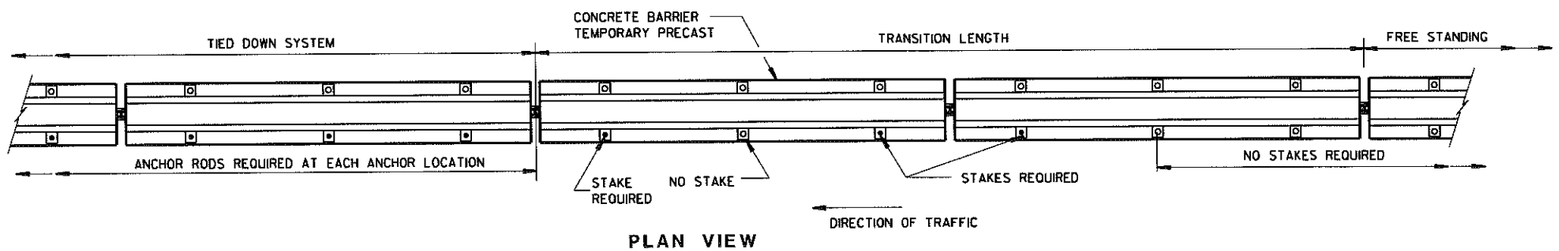
(STAKING IS INCIDENTAL TO CONCRETE BARRIER TEMPORARY PRECAST)



STOP PLATE

STEEL STAKE

(A36 STEEL)



PLAN VIEW

FREE STANDING TRANSITION TO TIED-DOWN SYSTEM

(PLACE TRANSITION IN A TANGENT SECTION OF BARRIER PARALLEL TO THE ROADWAY. IF TRANSITION OCCURS ON STRUCTURAL SLAB, ANCHOR AS SHOWN.)

CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10-24-06 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARD DEVELOPMENT ENGINEER
FHWA

6

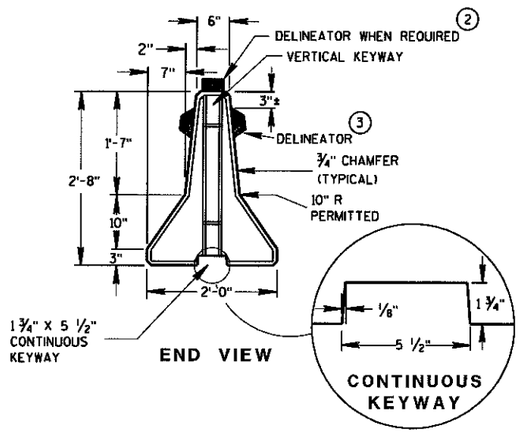
S.D.D. 14 B 7-11d

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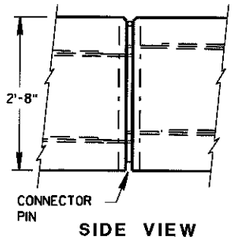
S.D.D. 14 B 7-11d

DESCRIPTION	SIZE	NO. REQ'D	LENGTH
TOP CONNECTOR WIRE ROPE (1)	1/2"	2	6'-0"
BOTTOM CONN. WIRE ROPE (1)	1/2"	2	6'-0"
TOP CONNECTOR STEEL BAR	NO. 4	1	9'-0"
BOTTOM CONN. STEEL BAR	NO. 4	1	9'-0"
STEEL CONNECTING PIN	1 1/4" DIA.	1	2'-6"
BOTTOM TIE BARS	NO. 4	5	1'-8"
VERTICAL STEEL BAR	NO. 4	10	2'-1"
HORIZONTAL STEEL BAR	NO. 5	4	9'-4"

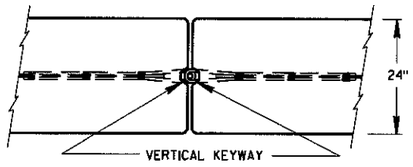
BILL OF MATERIALS



END VIEW

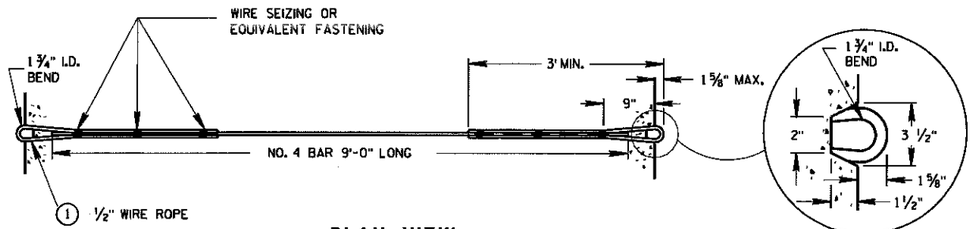


SIDE VIEW



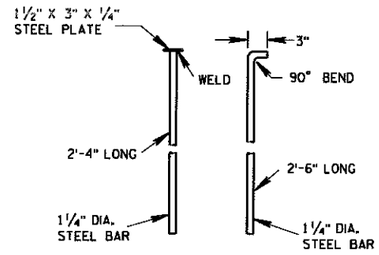
PLAN VIEW

PIN & LOOP CONNECTION DETAILS

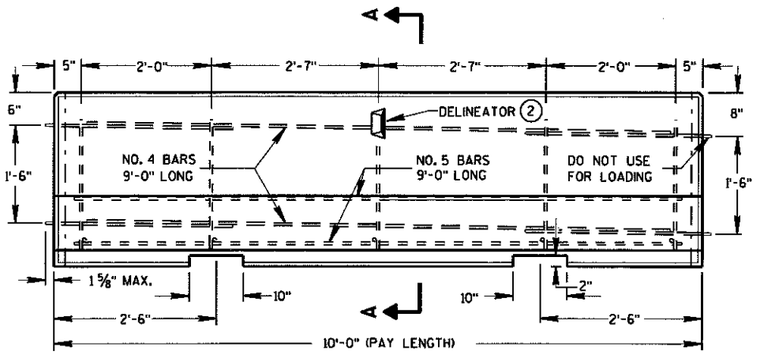


PLAN VIEW

TOP & BOTTOM CONNECTOR ASSEMBLY (1)

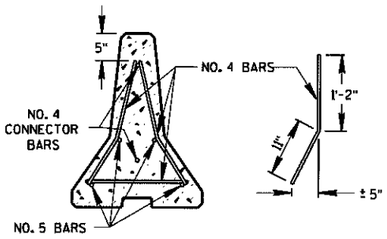


ALTERNATE CONNECTING PINS



SIDE VIEW

LOCATION OF REINFORCEMENT STEEL



SECTION A-A

BAR STEEL REINFORCEMENT

GENERAL NOTES

THESE GENERAL NOTES APPLY TO SHEETS 14B7-11(e) AND 14B7-11(f).

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.

THIS STANDARD DETAIL DRAWING CONSISTS OF 6 SHEETS, 14B7-11(a) THRU 14B7-11(f).

DETAILS AND REQUIREMENTS FOR THE FABRICATION AND INSTALLATION OF CONCRETE BARRIER TEMPORARY PRECAST, 12'-6" (CBTP12.5) ARE SHOWN ON 4 SHEETS, 14B7-11(a) THRU 14B7-11(d).

DETAILS AND REQUIREMENTS FOR CONCRETE BARRIER TEMPORARY PRECAST, 10'-0" (CBTP10.0) ARE SHOWN ON 2 SHEETS, 14B7-11(e) THRU 14B7-11(f). CONCRETE BARRIER TEMPORARY PRECAST, 10'-0" (CBTP10.0) MAY BE USED UNTIL MAY 31, 2013, BUT ONLY IF ALL THE FOLLOWING CONDITIONS ARE MET:

- THE CBTP10.0 WAS MANUFACTURED BEFORE JUNE 1, 2003.
- THE CBTP10.0 MEETS ALL THE REQUIREMENTS OF STANDARD DETAIL DRAWINGS 14B7-11(e) AND 14B7-11(f).
- THE CBTP10.0 IS IN GOOD CONDITION.

DO NOT INTERMIX CONCRETE BARRIER TEMPORARY PRCAST, 12'-6" (CBTP12.5) WITH CONCRETE BARRIER TEMPORARY PRECAST, 10'-0" (CBTP10.0) IN ANY SINGLE RUN OR INSTALLATION.

PLACE BARRIER ON PAVED SURFACE. REMOVE ALL LOOSE DIRT AND SAND FROM THE ROADWAY SURFACE PRIOR TO PLACEMENT OF THE BARRIER.

DO NOT ANCHOR CONCRETE BARRIER TEMPORARY PRECAST 10'-0".

BARRIERS SHALL BE REINFORCED WITH EITHER BAR STEEL REINFORCEMENT AS DETAILED ON THIS DRAWING OR WELDED STEEL WIRE FABRIC ADEQUATE TO ASSURE SAFE HANDLING STRENGTH.

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

WIRE ROPE SHALL BE ZINC-COATED 6 X 19 CLASS 2 IWRC WITH A MINIMUM BREAKING STRENGTH OF 20,000 LBS. AND SHALL CONFORM TO FEDERAL SPECIFICATION RR-W-410. THE ZINC COATING SHALL CONFORM TO TABLE II OF THE FEDERAL SPECIFICATIONS.

DELINEATORS SHALL CONFORM TO SECTION 633 OF THE STANDARD SPECIFICATIONS EXCEPT THE SHAPE SHALL BE AS SHOWN ON THIS DRAWING. ALTERNATIVE SHAPES MAY BE USED WHEN APPROVED BY THE ENGINEER. CONCRETE SURFACE PREPARATION, ADHESIVE AND METHOD OF APPLICATION SHALL BE AS RECOMMENDED BY THE DELINEATOR MANUFACTURER. THE COLOR OF REFLECTORS SHALL BE YELLOW WHEN LOCATED TO THE LEFT OF TRAFFIC AND WHITE WHEN LOCATED TO THE RIGHT OF TRAFFIC. MAXIMUM SPACING SHALL BE 20 FEET.

CONCRETE BARRIER TEMPORARY PRECAST, 10'-0", WHETHER UN-RESTRAINED OR RESTRAINED, SHALL NOT BE USED IF THE DISTANCE TO A 2 FOOT OR GREATER DROPOFF THAT IS STEEPER THAN 3H : 1V, FOR EXAMPLE THE EDGE OF A BRIDGE DECK OR A DROPOFF AT THE EDGE OF PAVEMENT, IS LESS THAN 8 FEET FROM THE SIDE OF THE BARRIER CLOSEST TO THE DROPOFF.

(1) CONNECTOR ASSEMBLIES MAY, AT THE CONTRACTORS OPTION, BE FORMED FROM A CONTINUOUS SECTION OF 1/2 INCH WIRE ROPE (16'-6" MIN. LENGTH). THE NO 4 CONNECTOR STEEL BARS MAY THEN BE OMITTED.

(2) TOP MOUNTED DELINEATORS SHALL BE PROVIDED IN ADDITION TO THE SIDE MOUNTED DELINEATORS ON ALL BARRIER INSTALLATIONS LOCATED ON CURVED ALIGNMENT LONGER THAN 200 FT.

(3) BARRIERS USED TO SEPARATE OPPOSING TRAFFIC SHALL HAVE DELINEATORS ON BOTH SIDES. TOP MOUNTED DELINEATORS SHALL BE DOUBLE FACED FOR THIS CONDITION.

CONCRETE BARRIER TEMPORARY PRECAST, 10'-0"

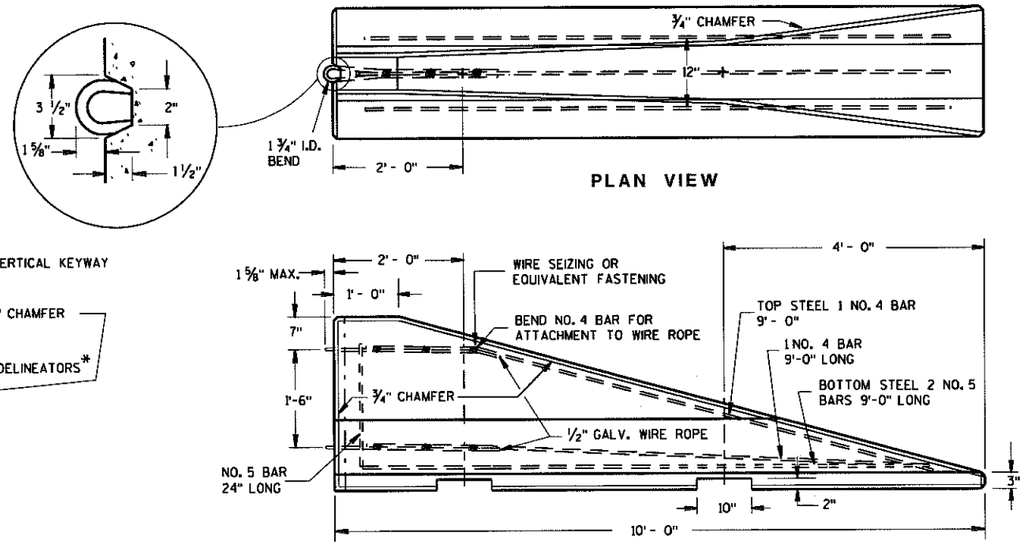
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

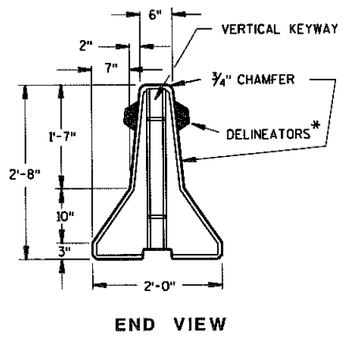
S.D.D. 14 B 7-11e

6

S.D.D. 14 B 7-11e



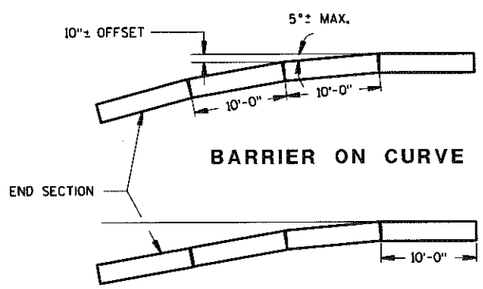
PLAN VIEW



END VIEW

SIDE VIEW

END SECTION FOR TEMPORARY PRECAST CONCRETE BARRIER



BARRIER ON CURVE

FLARE AT BARRIER END

POSTED SPEED, (MPH)	FLARE RATE
40 OR LESS	10:1
45 OR GREATER	15:1

GENERAL NOTES

THE GENERAL NOTES ON SHEET 14B7- 1(e) APPLY TO THIS SHEET.

* WHEN BARRIERS ARE USED TO SEPARATE OPPOSING TRAFFIC, DELINEATORS ARE REQUIRED ON BOTH SIDES.

CONCRETE BARRIER TEMPORARY PRECAST, 10'-0"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/24/06 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 14B 7-11f

6

S.D.D. 14B 7-11f

GENERAL NOTES

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

(1) W6 X 9 OR W6 X 8.5 STEEL POSTS AND NOTCHED PLASTIC BLOCKOUTS ARE ACCEPTABLE ALTERNATIVES FOR 6" X 8" WOOD POSTS WITH WOOD OR PLASTIC BLOCKOUTS. USE APPROVED NOTCHED PLASTIC BLOCKOUTS WITH STEEL POSTS. APPROVED PLASTIC BLOCKOUT DESIGNS MAY VARY FROM THIS TYPICAL DETAIL WHEN USED IN CONJUNCTION WITH STEEL POSTS.

DO NOT MIX STEEL POSTS AND WOOD POSTS IN A SINGLE INSTALLATION.

(2) USE STRUCTURAL STEEL POSTS CONFORMING TO ASTM A 36. GALVANIZED POSTS ACCORDING TO AASHTO M 111. EITHER SET THE POSTS IN DRILLED HOLES OR DRIVE TO GRADE. REMOVE MUSHROOMING CAUSED BY DRIVING AND REPAIR DAMAGED SPELTER COATING ON GALVANIZED POSTS.

(3) INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.

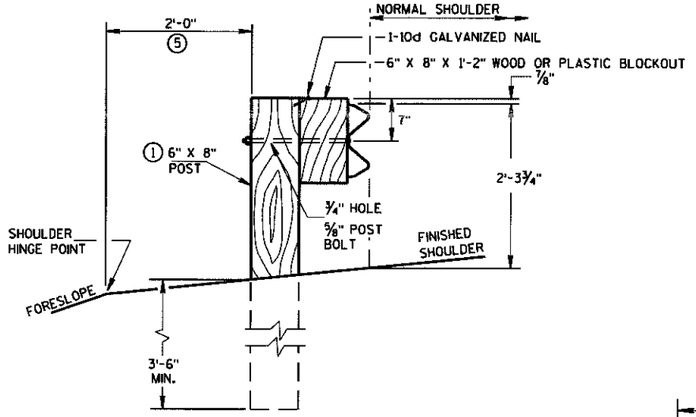
(4) USE EITHER WOOD OR APPROVED PLASTIC BLOCKOUTS ON WOOD POSTS.

(5) WHEN SPECIFIED IN THE PLANS, THE SHOULDER HINGE POINT MAY BE BETWEEN THE FRONT FACE OF THE POST AND 2 FEET BEHIND THE BACK OF THE POST. IF EXISTING CONDITIONS DO NOT PERMIT THE DESIRABLE EARTHWORK, INCREASE POST DEPTH TO PROVIDE A MINIMUM EMBEDMENT OF 4'-6" WHERE THE SHOULDER HINGE POINT IS LOCATED BETWEEN THE FRONT FACE OF THE POST AND 2 FEET BEHIND THE BACK OF THE POST.

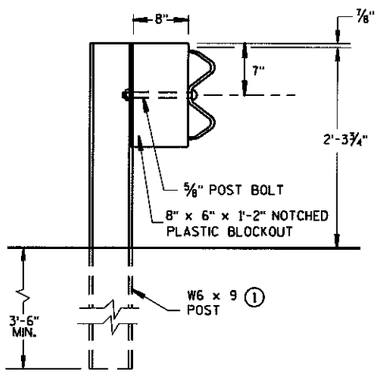
(6) IF ROCK IS ENCOUNTERED DURING EXCAVATION, THE ENGINEER MAY APPROVE USING A 12 INCH DIAMETER POST HOLE EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE APPROXIMATELY 2½ INCHES DEEP. CUT THE POSTS TO LENGTH AND PLACE IN YHE HOLE. BACKFILL WITH MATERIAL EXCAVATED FROM THE HOLE AND COMPACT ADEQUATEY.

INSTALL BEAM GUARD SECTIONS AND ALL NECESSARY HARDWARE ACCORDING TO THE APPLICABLE PLAN AND CURRENT STANDARD AND SUPPLEMENTAL SPECIFICATIONS.

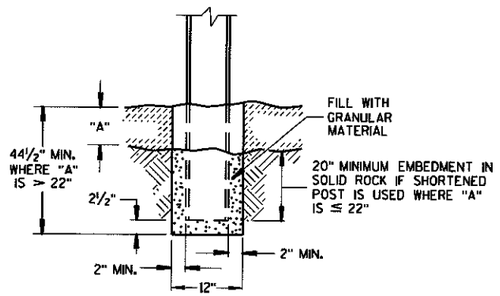
ALL DIMENSIONS ARE SUBJECT TO MANUFACTURER'S TOLERANCES EXCEPT WHERE ALLOWABLE TOLERANCES ARE SHOWN.



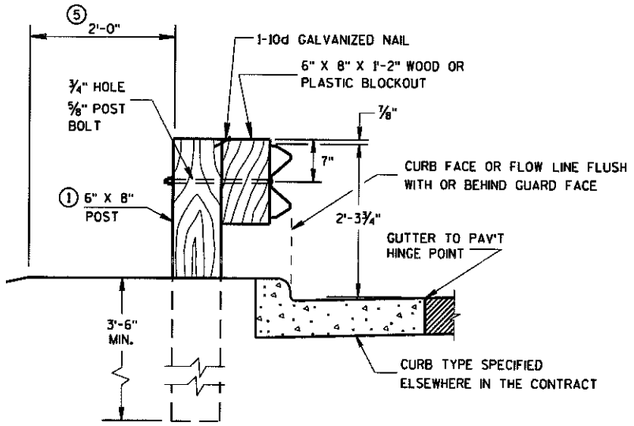
END VIEW
LOCATED ALONG A ROADWAY SHOULDER



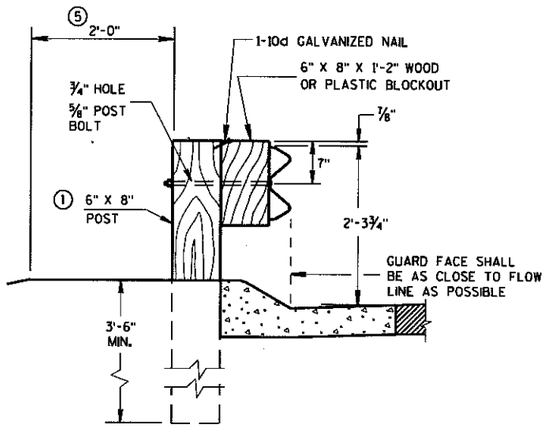
END VIEW
STEEL POST & NOTCHED
PLASTIC BLOCKOUT ALTERNATIVE



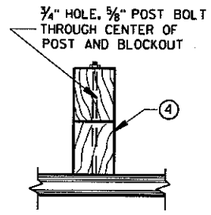
END VIEW
SETTING STEEL OR WOOD POST IN ROCK (6)



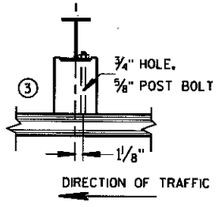
END VIEW
LOCATED ALONG A CURBED ROADWAY



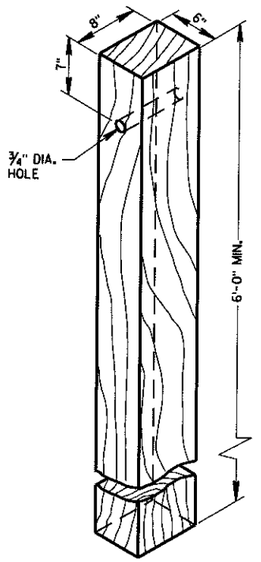
END VIEW
LOCATED ALONG A
MOUNTABLE CURBED ROADWAY



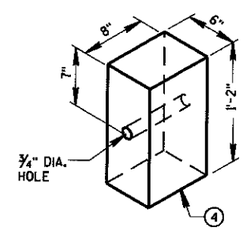
PLAN VIEW
WOOD POST,
BLOCKOUT & BEAM



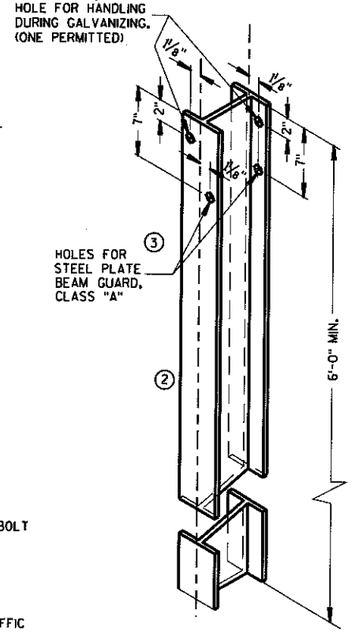
PLAN VIEW
STEEL POST, NOTCHED
PLASTIC BLOCKOUT & BEAM



WOOD POST
(6"X8") NOMINAL

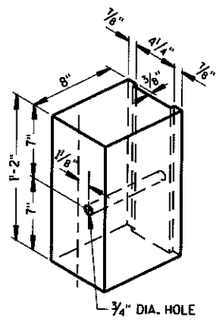


WOOD OR PLASTIC
BLOCKOUT FOR WOOD POSTS



STEEL POST &
HOLE PUNCHING DETAIL
(W6 X 9) (1)

ALL HOLES 13/16" DIAMETER EXCEPT AS NOTED



TYPICAL NOTCHED PLASTIC (1)
BLOCKOUT FOR STEEL POSTS

STEEL PLATE BEAM GUARD,
CLASS "A"
INSTALLATION & ELEMENTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

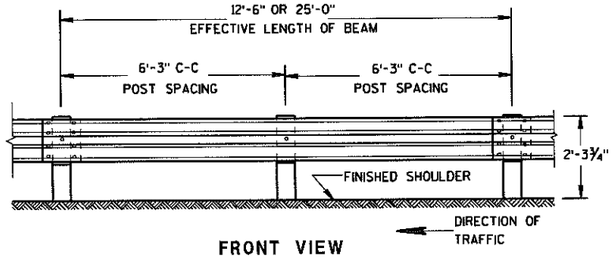
TYPICAL INSTALLATION OF STEEL PLATE BEAM GUARD

6

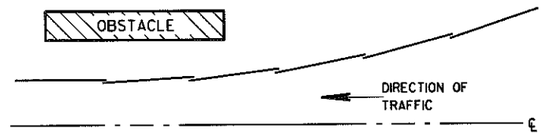
S.D.D. 14 B 15-5a

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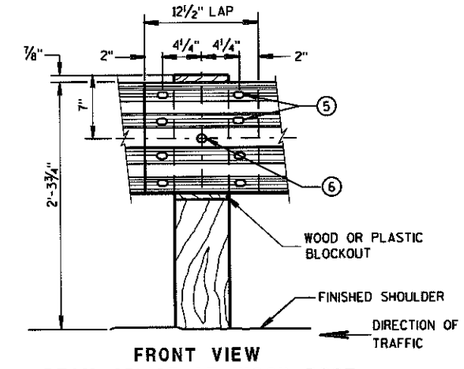
S.D.D. 14 B 15-5a



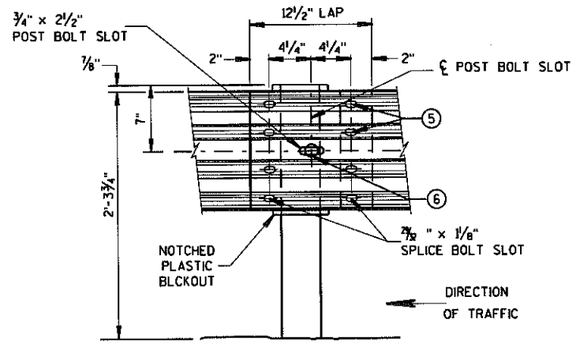
FRONT VIEW



PLAN VIEW
BEAM LAPPING DETAIL



FRONT VIEW
BEAM SPLICE AT WOOD POST
AND POST MOUNTING DETAIL



FRONT VIEW
BEAM SPLICE AT STEEL POST

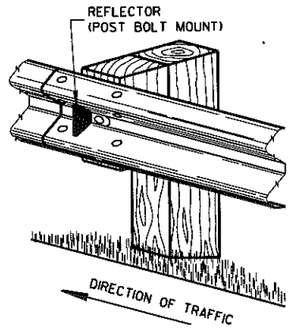
TYPICAL SPLICING DETAILS OF STEEL PLATE BEAM GUARD

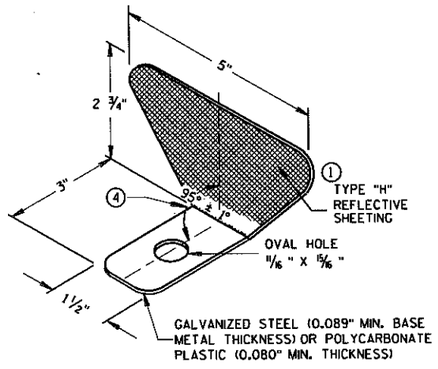
GENERAL NOTES

1. PROVIDE TYPE "H" SILVER REFLECTIVE SHEETING ON ALL REFLECTORS EXCEPT THOSE LOCATED ALONG THE LEFT EDGE OF ONE-WAY ROADWAYS, WHICH SHALL BE PROVIDED WITH TYPE "H" YELLOW REFLECTIVE SHEETING.
2. DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.
3. REVERSE EVERY OTHER REFLECTOR FOR 2-WAY VISIBILITY. THE CONTRACTOR MAY FURNISH TWO-SIDED REFLECTORS IN LIEU OF ONE-SIDED REFLECTORS.
4. PROVIDE AN ANGLE OF BEND OF 90° ± 1° FOR TWO-SIDED REFLECTORS.
5. 8 -⅝" ϕ X 1¼" BUTTON HEAD BOLTS WITH OVAL SHOULDERS & RECESS NUTS.
6. ⅝" ϕ X 1'-6" BUTTON HEAD BOLT AND AND RECESS NUT WITH ROUND WASHER UNDER NUT.

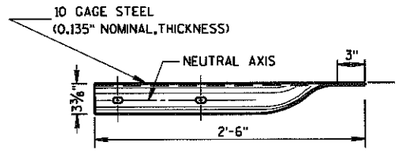
REFLECTOR SPACING ②

	BEAM GUARD LENGTH	REFLECTOR SPACING	NO. SURFACES REFLECTORIZED	MIN. NO. REFLECTORS
ONE WAY TRAFFIC	< 200'	50' C-C	1	3
	> 200'	100' C-C	1	
TWO WAY TRAFFIC	< 200'	25' C-C	1 ③	6
	> 200'	50' C-C	1	
TWO WAY TRAFFIC	< 200'	50' C-C	2 ④	3
	> 200'	100' C-C	2	

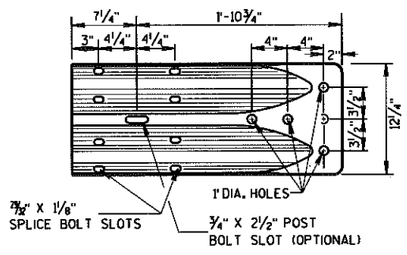




ONE SIDED REFLECTOR DETAIL AND TYPICAL INSTALLATION ①

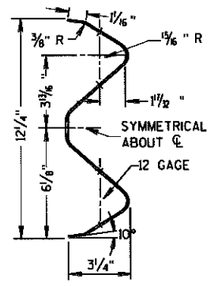


PLAN VIEW



FRONT VIEW

W BEAM TERMINAL CONNECTOR
(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)



SECTION THRU W BEAM

STEEL PLATE BEAM GUARD,
CLASS "A",
INSTALLATION & ELEMENTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

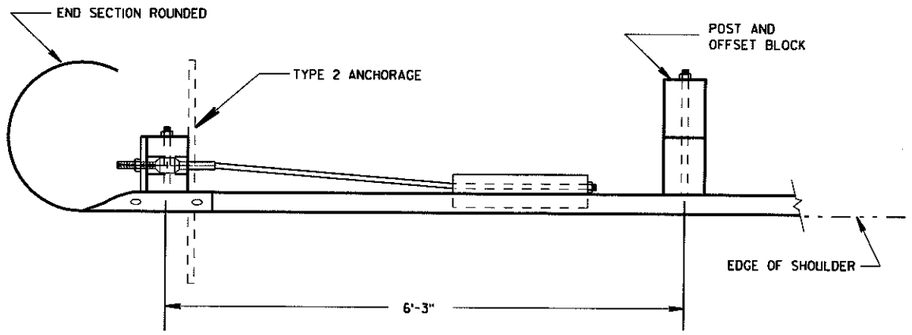
APPROVED
10/23/06 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

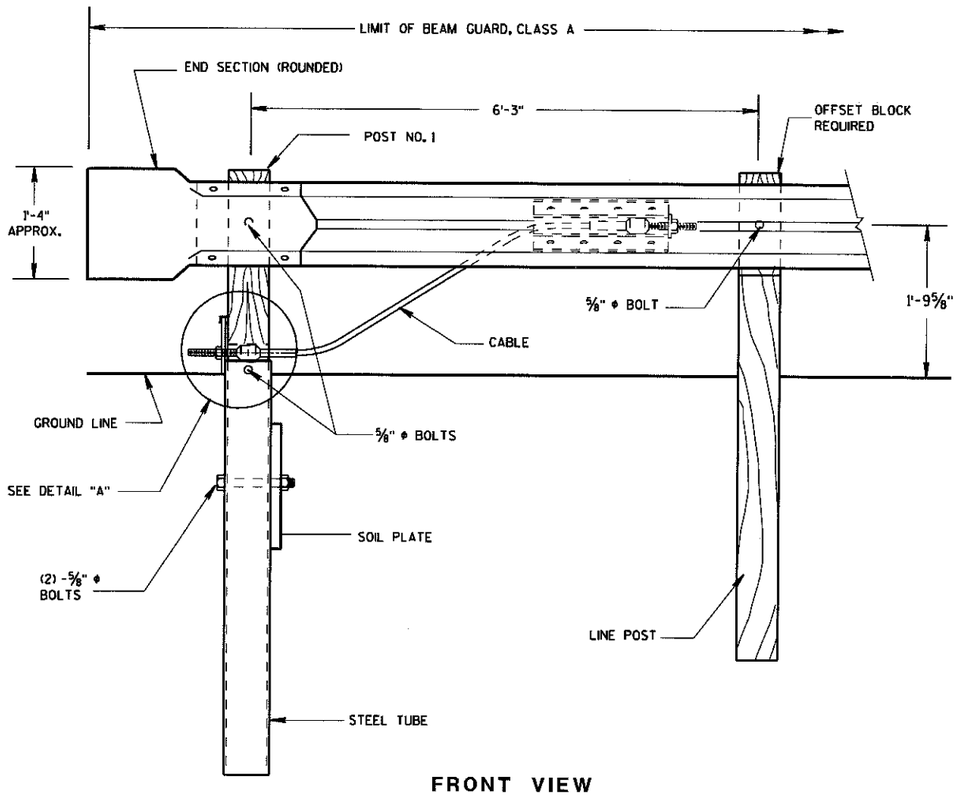
S.D.D. 14 B 15-5b

6

S.D.D. 14 B 15-5b



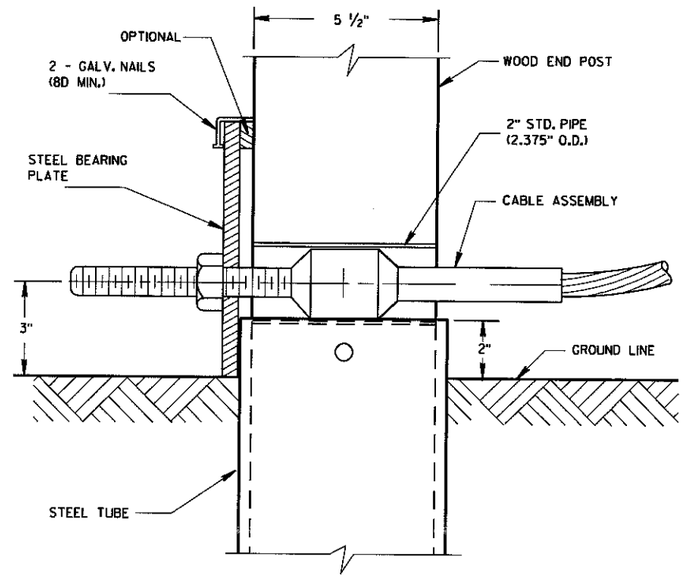
PLAN VIEW



FRONT VIEW

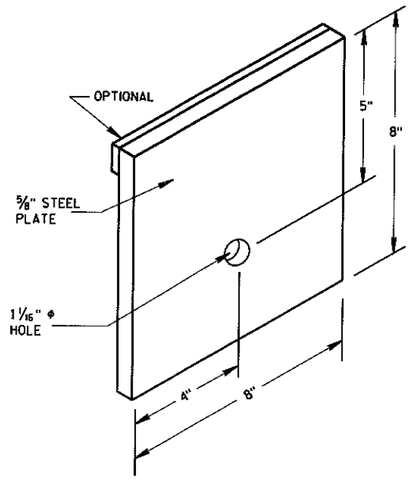
END TREATMENT WITH TYPE 2 ANCHORAGE

(USE ON ONE-WAY ROADWAYS ONLY - DEPARTING END)



DETAIL "A"

POST NO. 1



STEEL BEARING PLATE

ANCHORAGE FOR STEEL PLATE BEAM GUARD TYPE 2

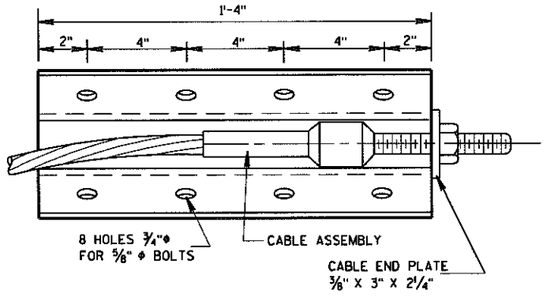
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

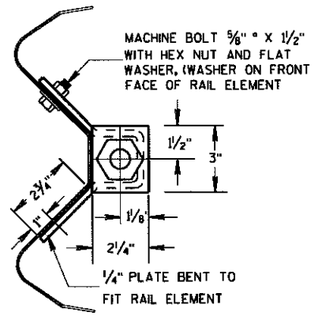
S.D.D. 14 B 16-4a

6

S.D.D. 14 B 16-4a

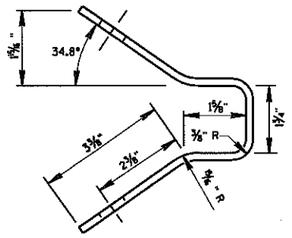


FRONT VIEW

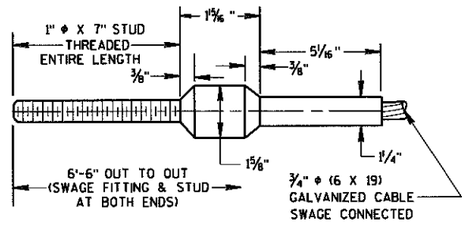


END VIEW

ANCHOR PLATE DETAIL



END VIEW OF BRACKET



CABLE ASSEMBLY

CABLE, SWAGE FITTING, STUD AND NUT SHALL DEVELOP A MINIMUM BREAKING STRENGTH OF 40,000 LB (TIGHTEN UNTIL TAUT)

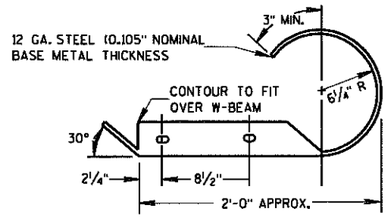
GENERAL NOTES

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

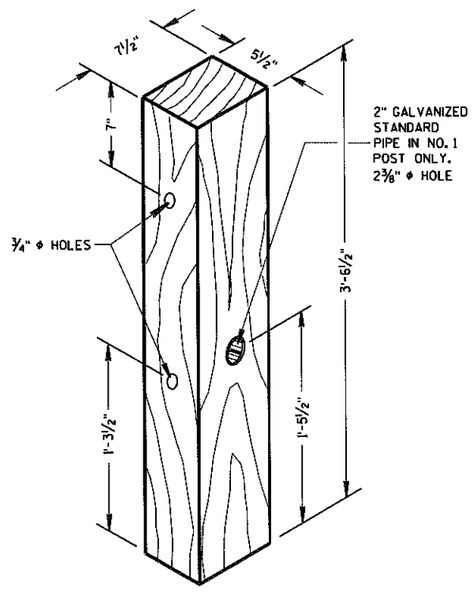
STRUCTURAL TUBING SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-500 GRADE B OR ASTM A-501.

POST NO. 1 SHALL BE WOOD BREAKAWAY POST INSERTED AND BOLTED INTO STEEL TUBE.

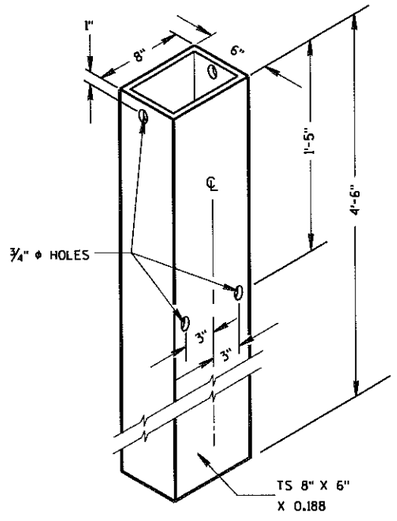
TYPE 2 ANCHORAGE SHALL CONSIST OF A STEEL TUBE, SOIL PLATE WOOD BREAKAWAY POST, BEARING PLATE, ANCHOR PLATE, CABLE ASSEMBLY AND ALL ASSOCIATED HARDWARE, ALL STEEL PARTS SHALL BE GALVANIZED.



PLAN VIEW

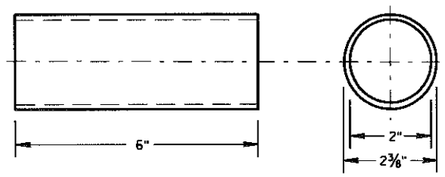


WOOD BREAKAWAY POST



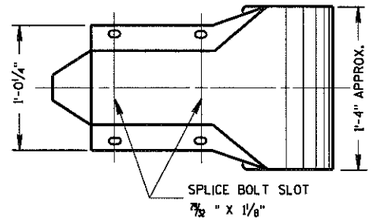
STEEL TUBE

STEEL TUBE SHALL CONFORM TO REQUIREMENTS OF ASTM A500

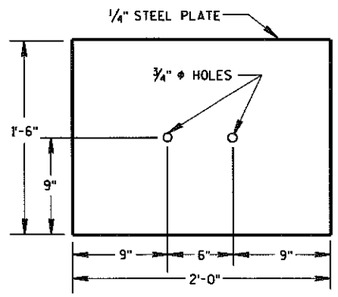


BREAKAWAY TERMINAL POST SLEEVE

GALVANIZED STANDARD STRENGTH STEEL PIPE, ASTM 53 GRADE "B"



FRONT VIEW
W BEAM END SECTION ROUNDED



SOIL PLATE

ANCHORAGE FOR STEEL PLATE BEAM GUARD TYPE 2

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

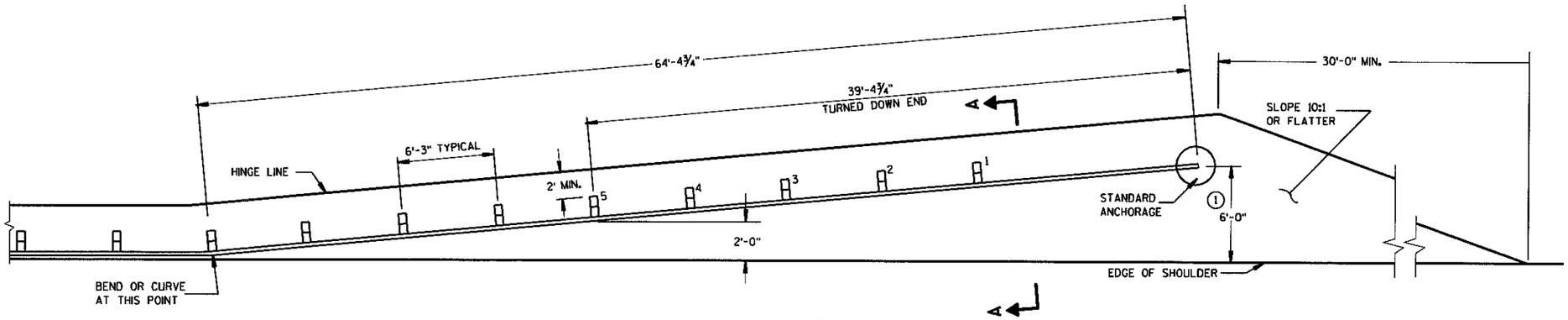
APPROVED
8/21/07 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 14 B 16-4b

6

S.D.D. 14 B 16-4b



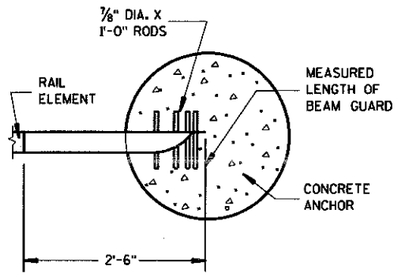
PLAN VIEW

GENERAL NOTES

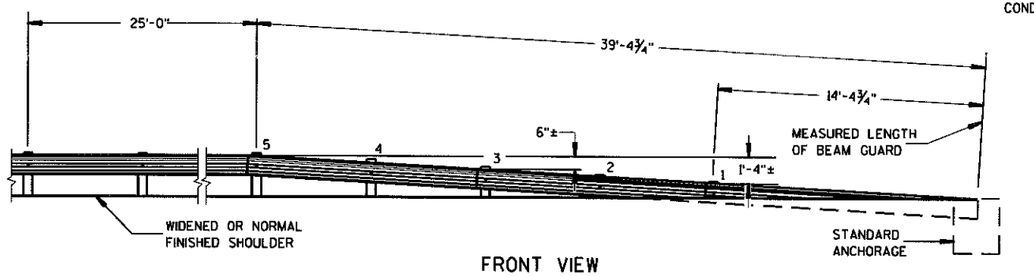
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, AND THE APPLICABLE SPECIAL PROVISIONS.

W6 X 9 OR W6 X 8.5 STEEL POSTS WITH NOTCHED PLASTIC BLOCKOUTS ARE ACCEPTABLE ALTERNATIVES FOR 6" X 8" WOOD POSTS AND WOOD OR PLASTIC BLOCKOUTS. USE APPROVED NOTCHED PLASTIC BLOCKOUTS WITH STEEL POSTS.

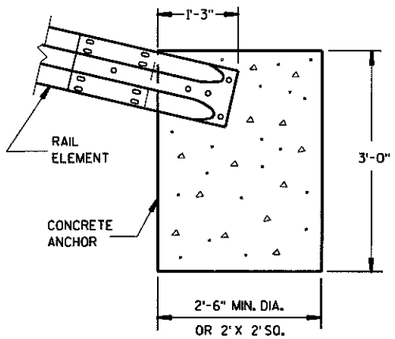
(1) IF APPROVED BY THE ENGINEER, THE CONTRACTOR MAY REDUCE THE OFFSET TO THE ANCHOR FROM 6 FEET TO 2 FEET WHERE EXISTING CONDITIONS DO NOT PERMIT THE DESIRABLE OFFSET.



PLAN VIEW IN SECTION

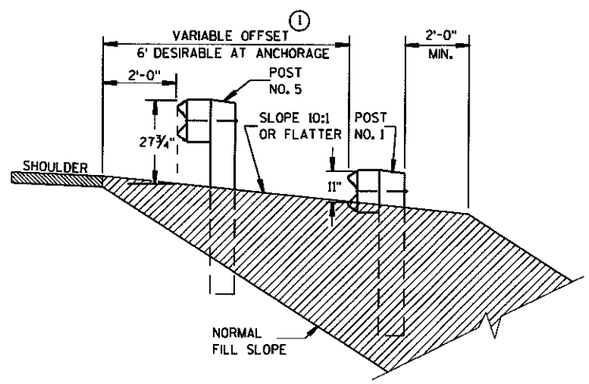


FRONT VIEW



FRONT VIEW IN SECTION

ANCHORAGE FOR STEEL PLATE BEAM GUARD



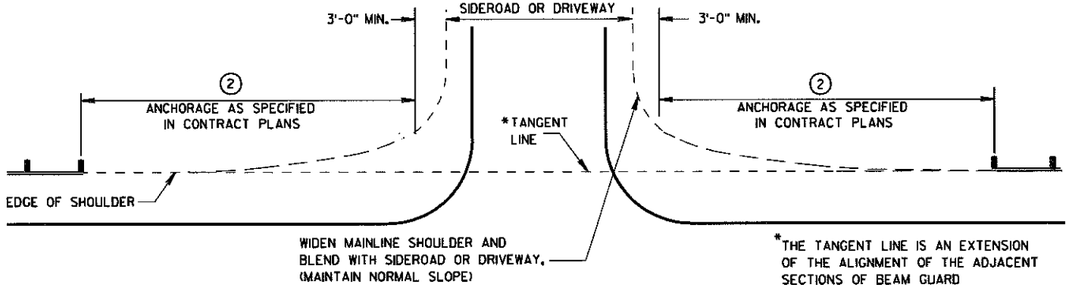
SECTION A-A

STEEL PLATE BEAM GUARD, CLASS "A"
END TREATMENT WITH ANCHORAGE
FOR STEEL PLATE BEAM GUARD

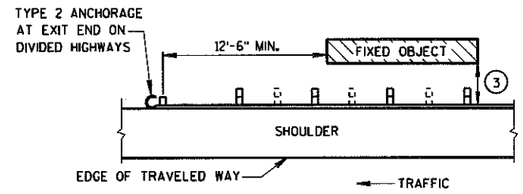
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
12/8/00
DATE
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

S.D.D. 14 B 17-3



BEAM GUARD AT SIDEROADS OR DRIVEWAYS



BEAM GUARD AT OBSTACLES EXIT END - ONE WAY TRAFFIC

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE PERTINENT STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

W6 X 9 OR W6 X 8.5 STEEL POSTS WITH NOTCHED PLASTIC BLOCKOUTS ARE ACCEPTABLE ALTERNATIVES FOR 6" X 8" WOOD POSTS WITH WOOD OR PLASTIC BLOCKOUTS. USE APPROVED NOTCHED PLASTIC BLOCKOUTS WITH STEEL POSTS.

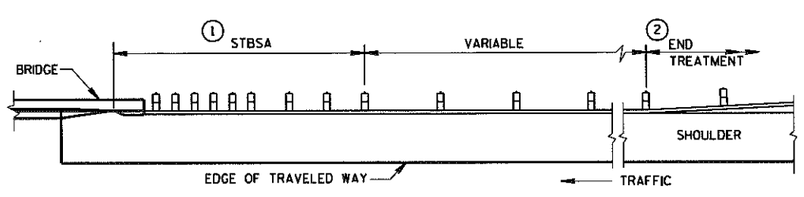
THE LOCATIONS AND LENGTHS OF BEAM GUARD ARE SHOWN ELSEWHERE IN THE PLAN.

(1) STEEL THRIE BEAM STRUCTURAL APPROACH (STBSA) - SEE CURRENT SDD 14B20.

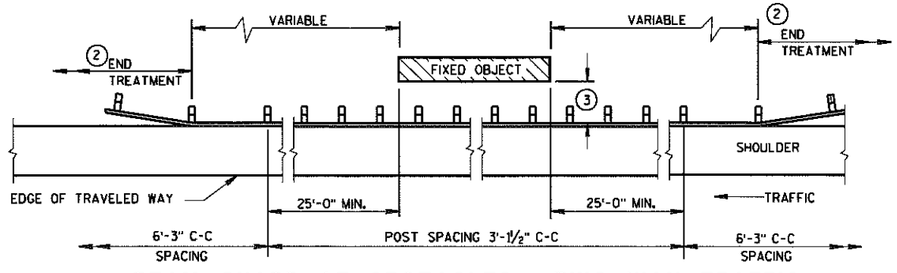
(2) USE AN APPROVED END TREATMENT FOR THE TRAFFIC APPROACH SIDE OF BRIDGE/OBSTACLES. USE TYPE 2 ANCHORAGE ONLY AT THE DOWNSTREAM ENDS OF BEAM GUARD LOCATED ALONG ROADWAYS WITH ONE WAY TRAFFIC.

(3)

MINIMUM LATERAL DISTANCE FROM FACE OF BEAM GUARD TO FIXED OBJECT	POST SPACING
3'-6"	3' - 1½"
4'-6"	6' - 3"

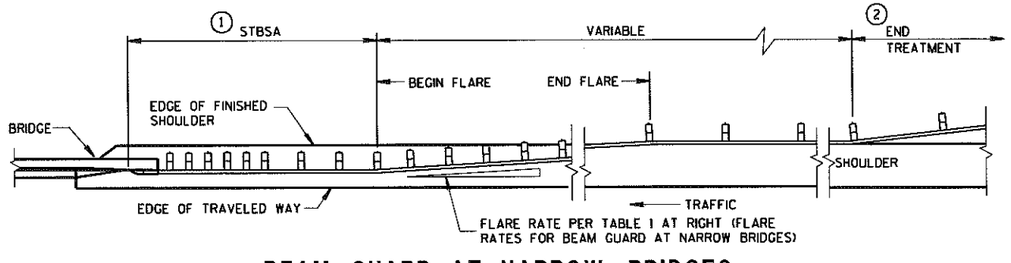


BEAM GUARD AT FULL WIDTH BRIDGES



BEAM GUARD AT OBSTACLES - TWO WAY TRAFFIC

(RAIL TO OBSTACLE CLEARANCE 3'-6" TO 4'-6")



BEAM GUARD AT NARROW BRIDGES

(FLARED TO SHOULDER EDGE, THEN PARALLEL TO ROADWAY)

TABLE 1
FLARE RATES FOR BEAM GUARD AT NARROW BRIDGES

POSTED SPEED (MPH)	FLARE RATE
25	13:1
30	15:1
35	16:1
40	18:1
45	21:1
50	24:1
55	26:1
65	30:1

STEEL PLATE BEAM GUARD, CLASS "A" (AT BRIDGES, OBSTACLES AND SIDEROADS/DRIVEWAYS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

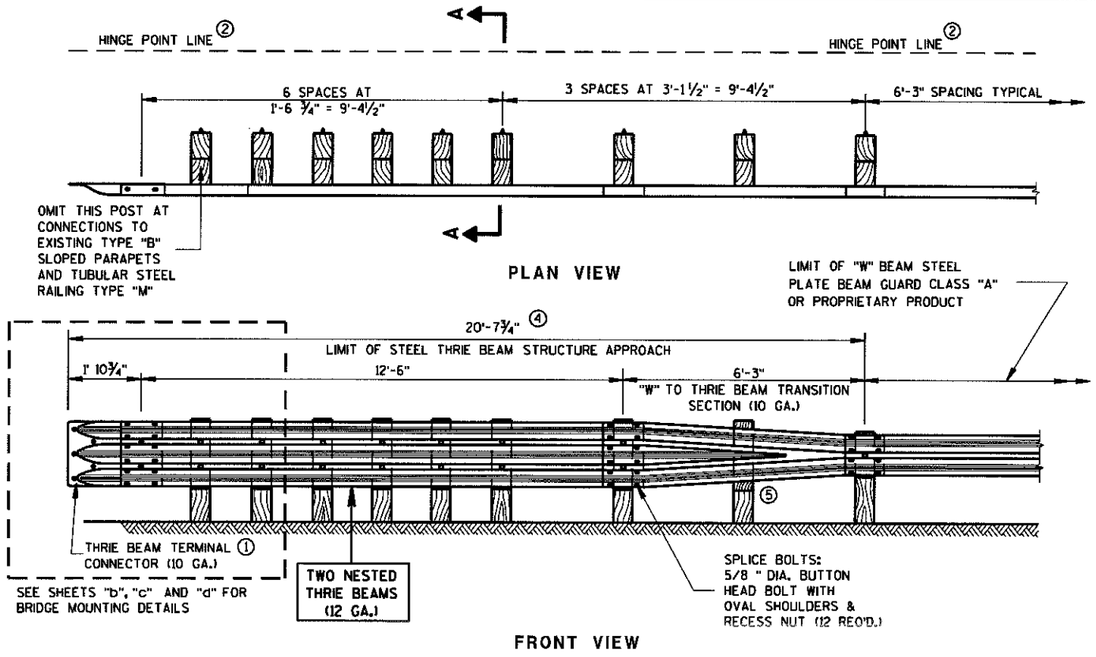
APPROVED
8-21-07 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 14 B 18-6a

6

S.D.D. 14 B 18-6a



GENERAL NOTES

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

FURNISH AND CONSTRUCT THRIE BEAM STRUCTURAL APPROACH ACCORDING TO THE REQUIREMENTS OF SECTION 614 OF THE STANDARD SPECIFICATIONS. THRIE BEAM SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO DESIGNATION M180, CLASS "A", TYPE 2.

BOLT THE THRIE BEAM TO ALL POSTS AND BLOCKOUTS. DRILL OR PUNCH BOLT HOLES IN THE BEAM IF THE POST SPACING IS LESS THAN 6'-3.

DO NOT USE STEEL POSTS AND NOTCHED PLASTIC BLOCKOUTS IN THE STEEL THRIE BEAM STRUCTURAL APPROACH AND THE TRANSITION SECTION OF STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATIONS.

IF ROCK IS ENCOUNTERED DURING EXCAVATION, THE ENGINEER MAY APPROVE USING A 12 INCH DIAMETER POST HOLE EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE APPROXIMATELY 2½ INCHES DEEP. CUT THE POSTS TO LENGTH AND PLACE IN THE HOLE. BACKFILL WITH MATERIAL EXCAVATED FROM THE HOLE AND COMPACT ADEQUATELY. (SEE SDD 14 B 15-4a).

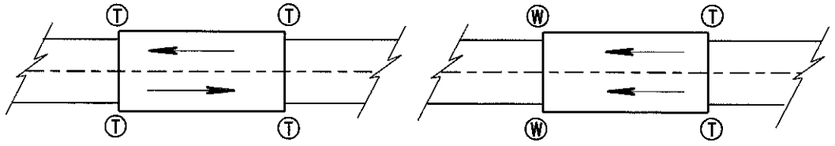
① BRIDGE RAILING TYPE "M" DOES NOT REQUIRE A TERMINAL CONNECTOR.

② MINIMUM EMBEDMENT SHALL BE 4'-0". WHERE EXISTING CONDITIONS DO NOT PERMIT THE APPROPRIATE EARTHWORK SHOWN ON THE PLAN TYPICAL SECTIONS OR DETAILS, THE ENGINEER MAY ALLOW THE REDUCTION OR ELIMINATION OF THE 2 FOOT DISTANCE TO THE HINGE POINT. OTHERWISE BUILD AS THE PLAN SHOWS OR AS THE ENGINEER DIRECTS. IF THE 2 FOOT DISTANCE TO THE HINGE POINT IS REDUCED OR ELIMINATED, INCREASE THE POST EMBEDMENT DEPTH TO 4'-6" OR MORE.

③ BOLTS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F-1554, GRADE 55. NUTS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-563 DH.

④ ALL WOOD POSTS MUST BE 6" X 8" AND AT LEAST 7'-0" LONG.

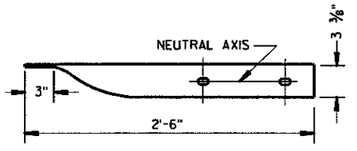
⑤ DO NOT ATTACH POST IN "W" TO THRIE BEAM TRANSITION SECTION.

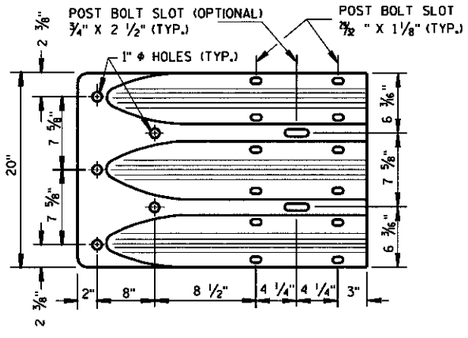


Ⓣ THRIE BEAM CONNECTION

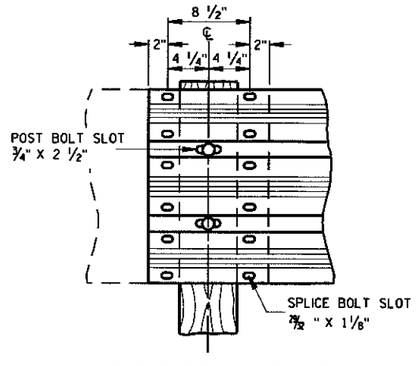
Ⓦ W-BEAM CONNECTION WHEN REQUIRED

TYPICAL LOCATIONS OF THRIE BEAM AND W-BEAM CONNECTIONS TO BRIDGE

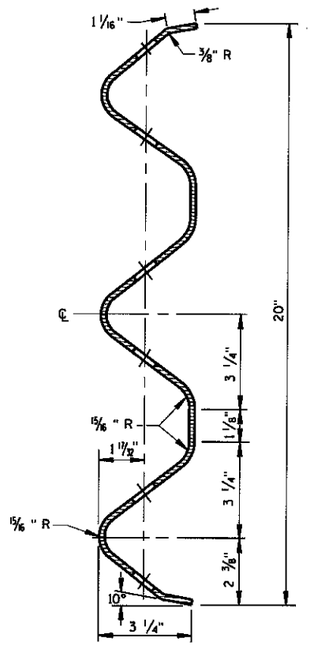




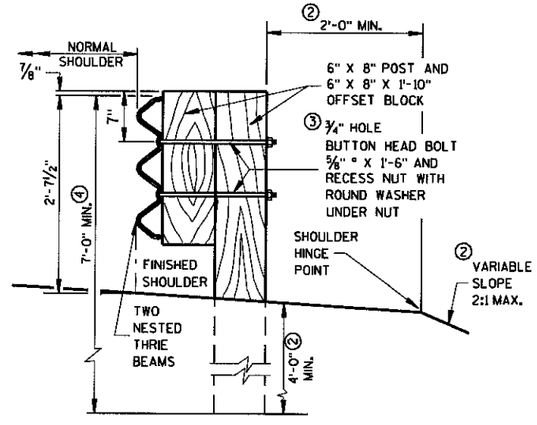
THRIE BEAM TERMINAL CONNECTOR



THRIE BEAM SPLICE



SECTION THRU THRIE BEAM RAIL ELEMENT



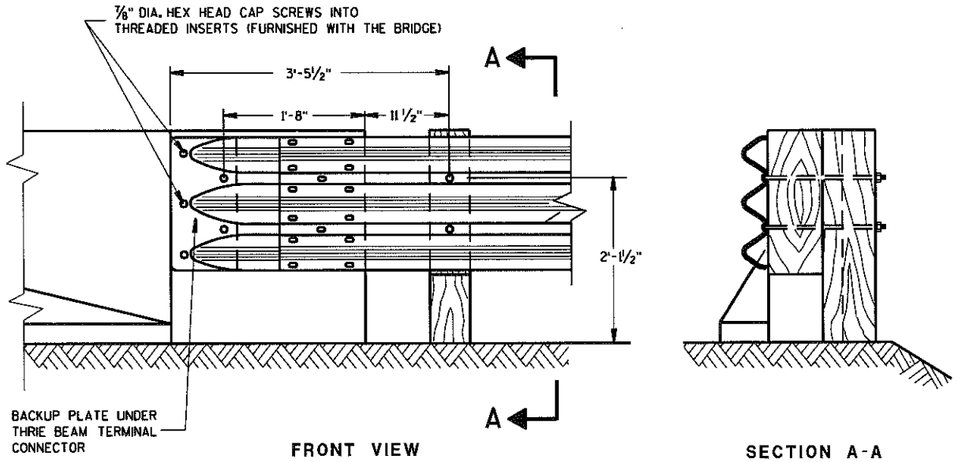
SECTION A-A

STEEL THRIE BEAM STRUCTURE APPROACH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

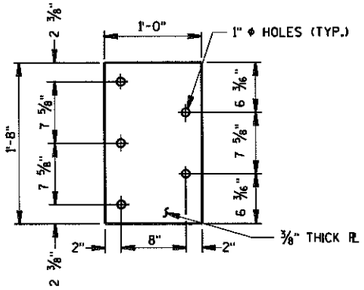
S.D.D. 14 B 20-6a



FRONT VIEW

SECTION A-A

THRIE BEAM CONNECTION TO BRIDGE PARAPET WITH SQUARE ENDS



② BACKUP PLATE DETAIL
(USE ONLY AT BRIDGE PARAPET CONNECTIONS)

GENERAL NOTES

THESE ARE TYPICAL CONNECTION DETAILS. ADJUST THE POSTION OF CONNECTIONS TO EXISTING BRIDGES TO FIT THE ACTUAL BRIDGE AND SITE DIMENSIONS.

BOLTS, PLATES, NUTS AND WASHERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM SPECIFICATION A 325, AND BE GALVANIZED IN ACCORDANCE WITH ASTM A 153.

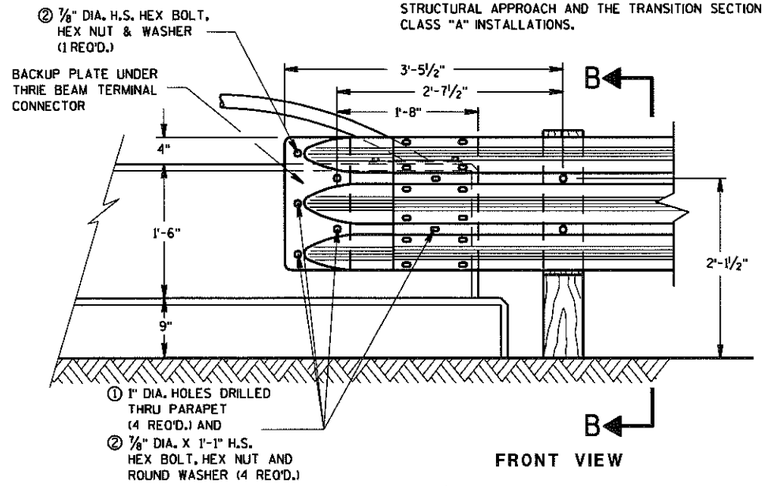
① INCLUDE THE PAYMENT FOR DRILLING BOLT HOLES THROUGH THE PARAPET, AND THE BACKUP PLATE AND ALL BOLTS, NUTS AND WASHERS IN THE ITEM "STEEL THRIE BEAM STRUCTURAL APPROACH".

② EACH BOLT AT THE BACK FACE OF THE PARAPET REQUIRES A HARDENED ROUND STEEL WASHER WITH A 2 ¼" O.D. X 5/32 " THICK.

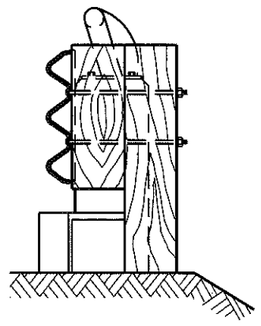
③ THE RECESS FOR A W-BEAM CONNECTION, WHICH EXISTS ON SOME PARAPETS OF THIS TYPE, SHALL BE FILLED WITH A TREATED TIMBER BLOCKOUT. BLOCKOUT SIZE IS 1'-6" X 2'-0" X 3 ½".

④ W6 X 9 OR W6 X 8.5 STEEL POSTS AND NOTCHED PLASTIC BLOCKOUTS ARE ACCEPTABLE ALTERNATIVES FOR 6" X 8" WOOD POST WITH WOOD OR PLASTIC BLOCKOUTS. USE APPROVED NOTCHED PLASTIC BLOCKOUTS WITH STEEL POSTS.

DO NOT USE STEEL POSTS AND NOTCHED PLASTIC BLOCKOUTS IN THE STEEL THRIE BEAM STRUCTURAL APPROACH AND THE TRANSITION SECTION OF STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATIONS.

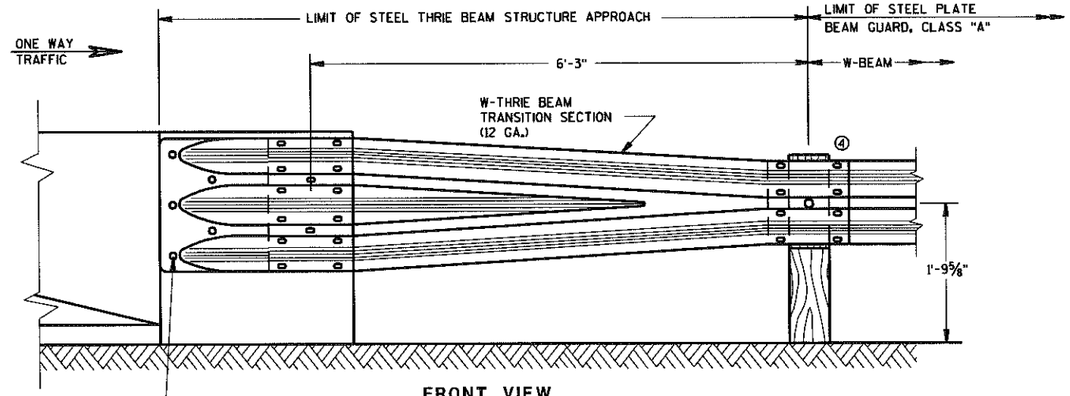


FRONT VIEW



SECTION B-B

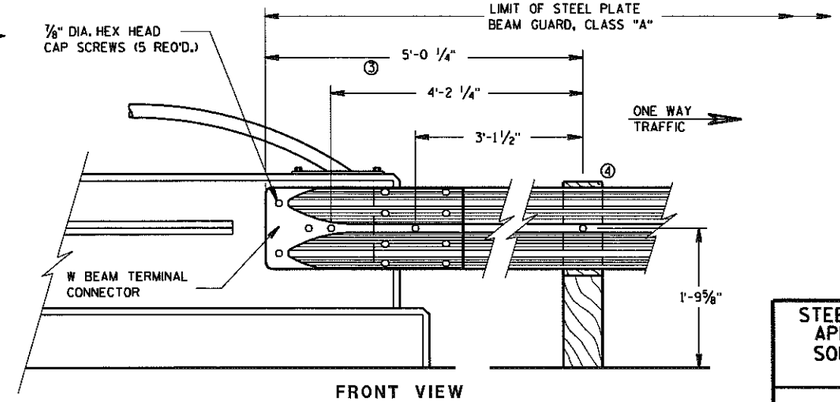
THRIE BEAM CONNECTION TO VERTICAL FACED PARAPETS



FRONT VIEW

W BEAM TRANSITION AND CONNECTION TO BRIDGE PARAPETS WITH SQUARE ENDS

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)



FRONT VIEW

W BEAM CONNECTION TO VERTICAL FACE PARAPET

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)

STEEL THRIE BEAM STRUCTURE APPROACH, CONNECTION TO SQUARE END AND VERTICAL FACED PARAPETS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
2-12-04
DATE
FHWA

CHIEF, HIGHWAY DEVELOPMENT ENGINEER

6

S.D.D. 14 B 20-6b

6

S.D.D. 14 B 20-6b

BILL OF MATERIALS

NOTE NO.	QTY.	DESCRIPTION
①	4	WOOD BREAKAWAY TERMINAL POST: 5½" X 7½" X 3'-9"
②	4	STEEL TUBE: TS 8" X 6" X 0.188", 4'-6" LONG
③	4	SOIL PLATE: 2'-0" X 1'-6" X ¼"
④	4	WOOD BREAKAWAY CRT POST: 6" X 8" X 6'-0"
⑤	6	WOOD OFFSET BLOCKS: 6" X 8" X 1'-2"
⑥	1	PIPE SLEEVE: 2" X 5 ½" STANDARD PIPE
⑦	1	BEARING PLATE
⑧	1	BCT CABLE ASSEMBLY
⑨	1	CABLE ANCHOR BOX
⑩	1	STRUT & YOKE
⑪	1	STEEL PLATE BEAM, END PANEL 12 GA. 13'-6½" LONG FOR SKT-350, ET-2000 AND ET-2000 PLUS
⑫	3	STEEL PLATE BEAM: 12 GA. 13'-6½"
⑬	1	ET-2000/ET-2000 PLUS GUARDRAIL EXTRUDER OR SKT-350 IMPACT HEAD: AS FURNISHED BY MANUFACTURER
⑭	1	REFLECTIVE SHEETING: 18" X 18"

GENERAL NOTES

Ⓐ USE 3:1 OR FLATTER SLOPE FOR INSTALLATION ON EXISTING HIGHWAYS.

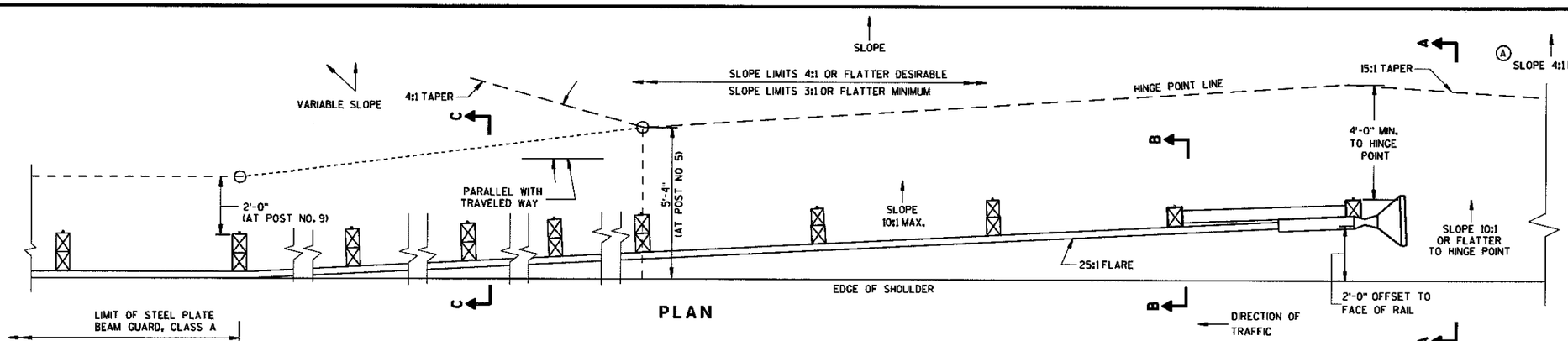
Ⓑ DO NOT ATTACH GUARDRAIL TO POST BLOCKS AT POSTS NO. 3, 5 & 7.

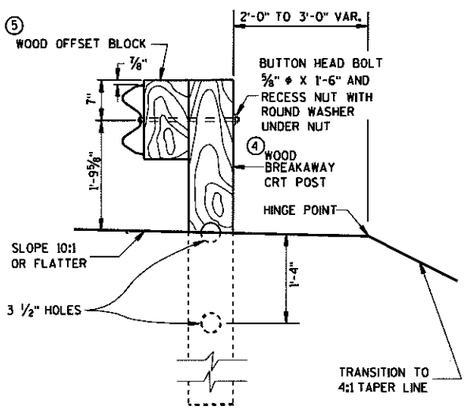
Ⓒ AFTER FINAL ASSEMBLY, RECHECK CABLE TO BE SURE IT IS TAUT AND HAS NOT RELAXED.

STEEL POSTS SHALL NOT BE ALLOWED FOR USE WITH ENERGY ABSORBING TERMINALS.

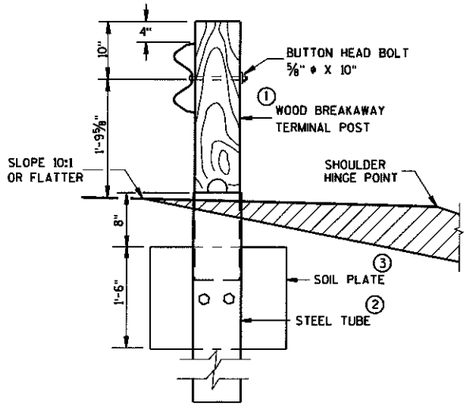
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

*DO NOT ATTACH BLOCKOUTS TO POSTS 1 AND 2.

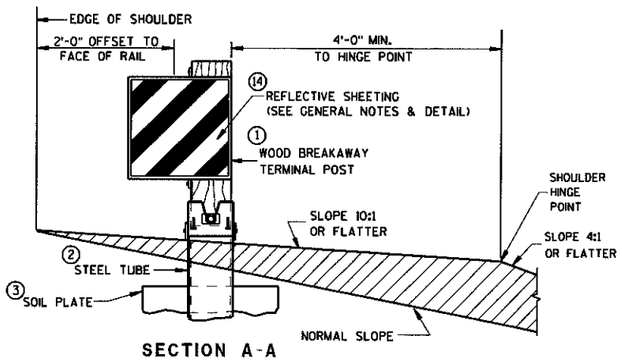




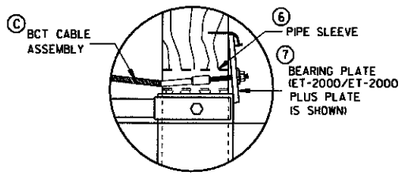
SECTION C-C
TYPICAL AT POST NOS. 4, 6, 8



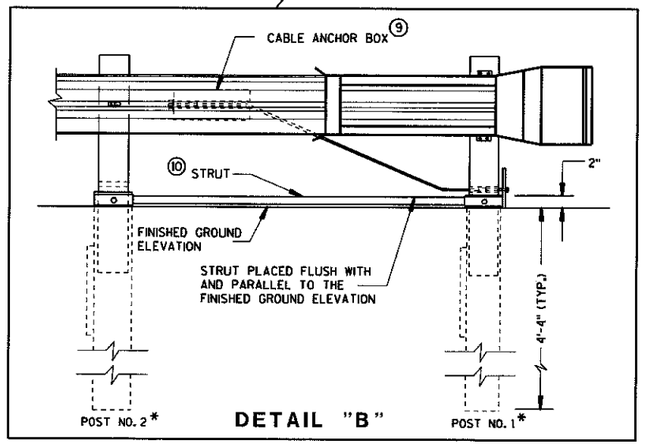
SECTION B-B
TYPICAL AT POST NO. 2*



SECTION A-A
TYPICAL AT POST NO. 1*



DETAIL "A"



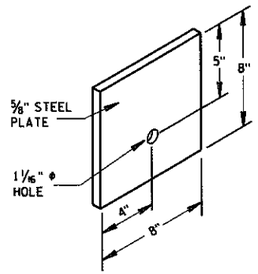
DETAIL "B"

STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL

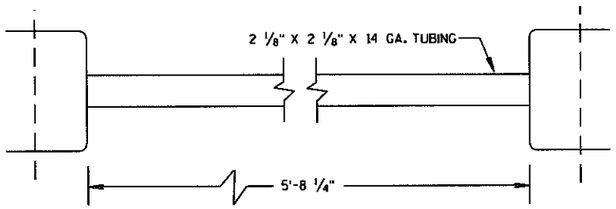
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

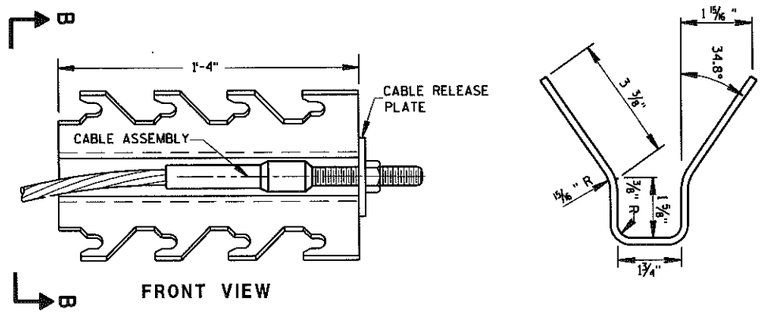
S.D.D. 14 B 24-4a



STEEL BEARING PLATE (SKT-350)

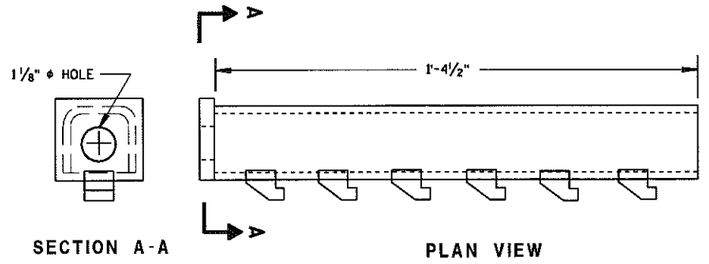


STRUT DETAIL (SKT-350)

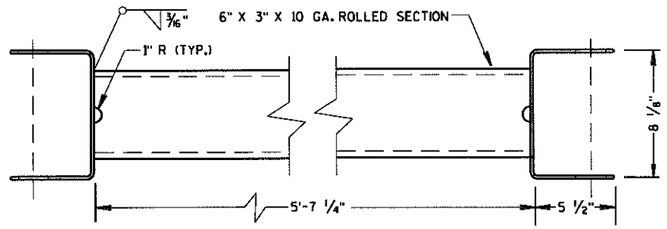


CABLE ANCHOR BOX (SKT-350)

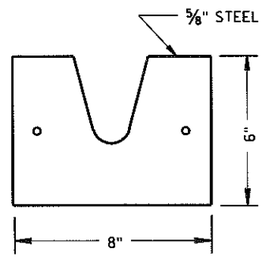
(SKT-350)



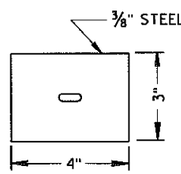
CABLE ANCHOR BOX (ET-2000/ET-2000 PLUS)



STRUT DETAIL (ET-2000/ET-2000 PLUS)

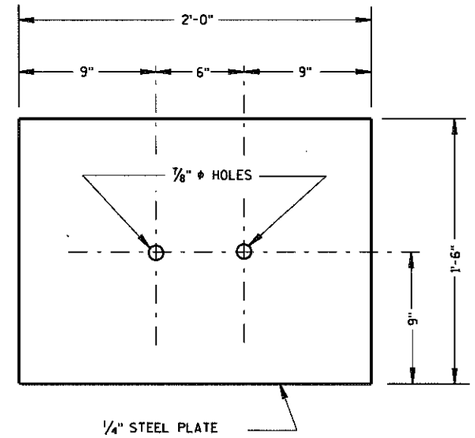


STEEL BEARING PLATE
(ET-2000/ET-2000 PLUS)



BEARING PLATE WASHER
(ET-2000/ET-2000 PLUS)

(ET-2000/ET-2000 PLUS)



SOIL PLATE
(SKT-350, ET-2000/ET-2000 PLUS)

STEEL PLATE BEAM GUARD
ENERGY ABSORBING TERMINAL

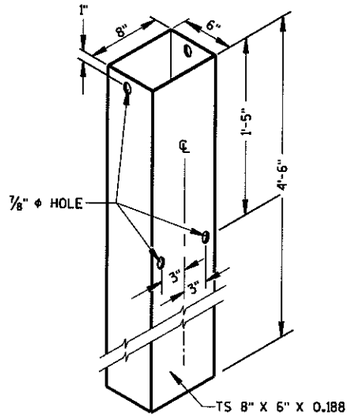
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

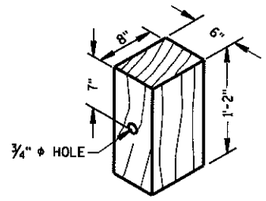
S.D.D. 14 B 24-4b

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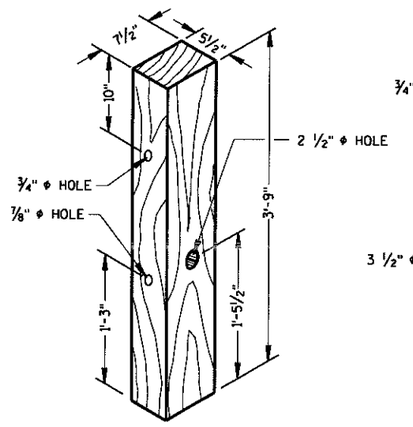
S.D.D. 14 B 24-4b



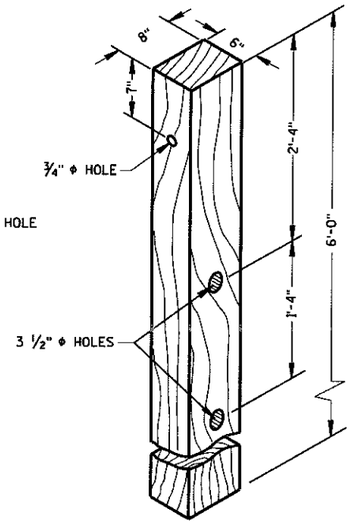
STEEL TUBE
(POSTS NO. 1-4
THE STEEL TUBE SHALL CONFORM
TO REQUIREMENTS OF ASTM A500



WOOD OFFSET BLOCK
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2

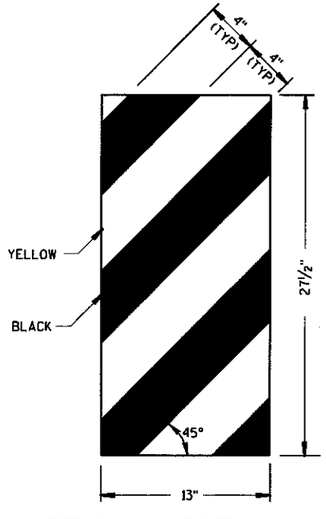


TERMINAL POST
(POSTS NO. 1-4

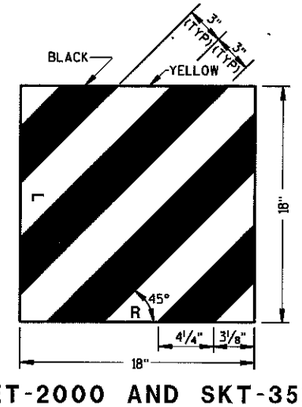


CRT POST
(POSTS NO'S 5-8

WOOD BREAKAWAY POSTS



ET-2000 PLUS ONLY



ET-2000 AND SKT-350

REFLECTIVE SHEETING DETAILS

GENERAL NOTES

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

STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL SHALL BE EITHER THE EXTRUDER TERMINAL (ET-2000), OR THE SEQUENTIAL KINKING TERMINAL (SKT-350). THE CONTRACTOR SHALL NOT INTERMIX PROPRIATERY PRODUCT MATERIALS.

STEEL PLATE BEAM GUARD, ENERGY ABSORBING TERMINAL SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH, WHICH SHALL INCLUDE HARDWARE, STEEL PLATE BEAM GUARD, POSTS, REFLECTIVE SHEETING AND INSTALLATION AS SHOWN.

REFLECTIVE SHEETING - SHALL CONFORM TO ASTM SPECIFICATION D4956-94, REFLECTIVE SHEETING TYPE III, BACKING CLASS 4, PERFORMANCE REQUIREMENT TYPE III. THE MESSAGE AND LINES SHALL BE APPLIED TO THE SIGNS BY THE SILK SCREEN STENCIL PROCESS USING A BLACK OR DARK STENCIL PASTE AS A TYPE APPROVED BY THE MANUFACTURER OF THE FACE MATERIAL TO WHICH IT IS TO BE APPLIED. MESSAGE UNITS CUT FROM NONREFLECTIVE SHEETING AND APPLIED TO THE SIGN FACE ARE NOT ACCEPTABLE. AFTER THE APPROACH END OF THE STEEL PLATE BEAM GUARD INSTALLATION IS COMPLETE, CLEAN THE AREA WHERE THE REFLECTIVE SHEETING WILL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION. ONCE CLEAN, APPLY REFLECTIVE SHEETING DIRECTLY TO THE STEEL PLATE BEAM GUARD AS SHOWN. THE CONTRACTOR SHALL TURN OVER THE MANUFACTURERS WARRANTY FOR THE REFLECTIVE SHEETING TO THE DEPARTMENT FOR POTENTIAL DEALING WITH THE MANUFACTURER. PAYMENT OF REFLECTIVE SHEETING IS INCIDENTAL TO STEEL PLATE BEAM GUARD, ENERGY ABSORBING TERMINAL.

WHEN ROCK IS ENCOUNTERED DURING EXCAVATION, A 12 INCH DIA. POST HOLE EXTENDING 20 INCHES DEEP INTO THE ROCK MAY BE USED IF APPROVED BY THE ENGINEER. GRANULAR MATERIAL SHALL BE PLACED IN THE BOTTOM OF THE HOLE APPROXIMATELY 2 1/2" INCHES DEEP TO PROVIDE DRAINAGE. THE SOIL TUBES SHALL BE FIELD CUT TO LENGTH, PLACED IN THE HOLE AND BACKFILLED WITH ADEQUATELY COMPACTED MATERIAL EXCAVATED FROM THE HOLE.

STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

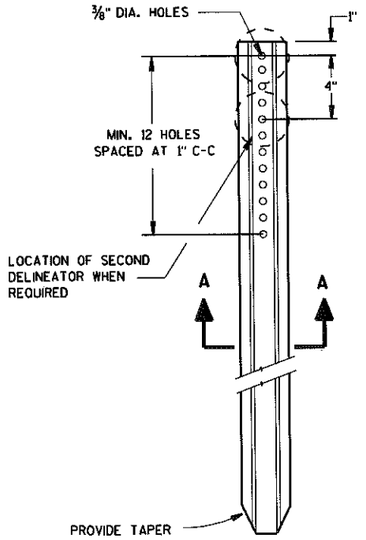
APPROVED
6-25-03
DATE
FHWA
CHIEF ROADWAY DEVELOPMENT ENGINEER

6

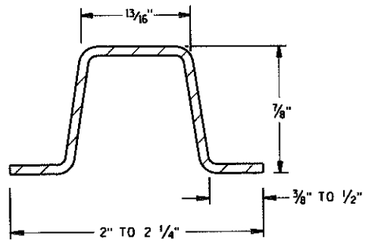
S.D.D. 14 B 24-4c

6

S.D.D. 14 B 24-4c

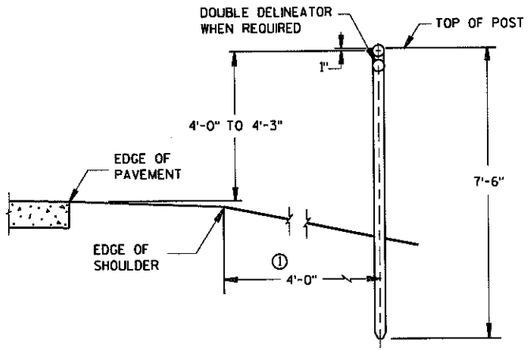


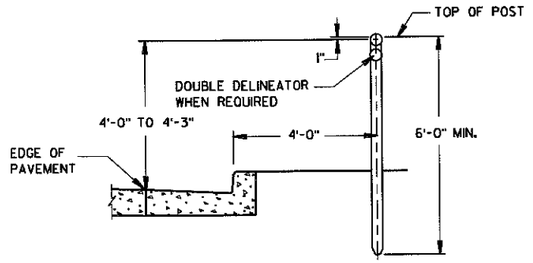
DELINEATOR POST



SECTION A-A

WEIGHT 1.12 LBS PER FT. ± 0.1 LB.





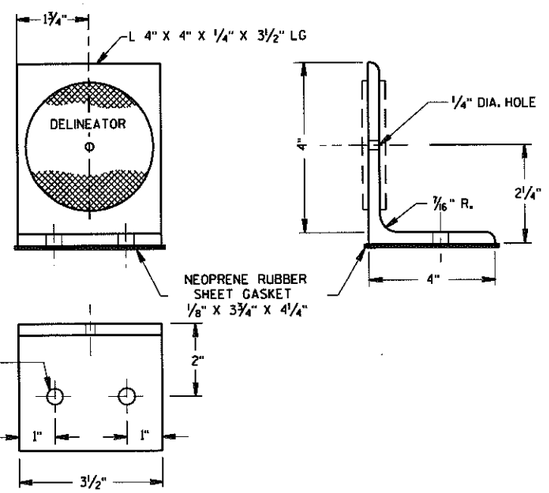
TYPICAL INSTALLATIONS OF DELINEATOR POSTS

GENERAL NOTES

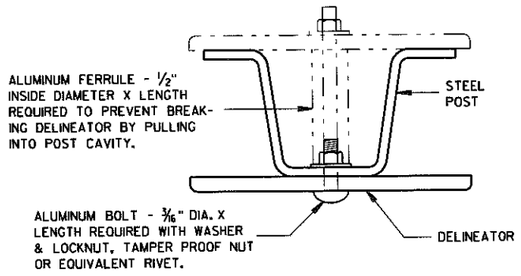
DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

① DELINEATORS SHALL BE PLACED AT A CONSTANT DISTANCE FROM THE EDGE OF THE SHOULDER FOR THE LENGTH OF THE INSTALLATION.

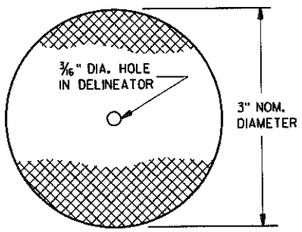
NOTE:
FASTEN DELINEATOR TO BRACKET WITH BOLTS 3/16" DIA. X LENGTH REQ'D. WITH WASHER AND LOCKNUT OR EQUIVALENT RIVETS.



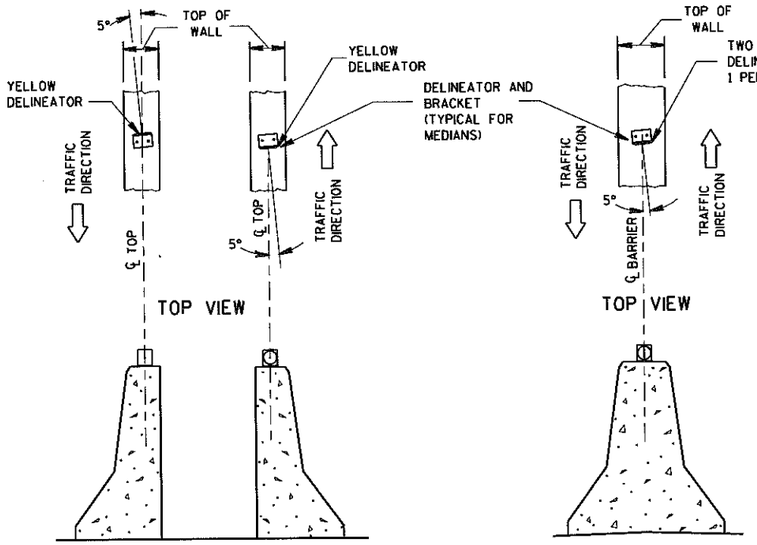
DELINEATOR BRACKET



MOUNTING DETAIL FOR DELINEATOR

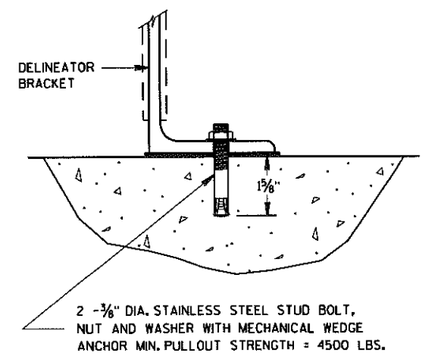


DELINEATOR



DOUBLE BARRIERS IN MEDIAN — MEDIAN BARRIER — BARRIER LOCATED TO RT. OF TRAFFIC FLOW

LOCATION AND AIMING DETAILS FOR DELINEATORS MOUNTED ON CONCRETE BARRIERS



DELINEATOR BRACKET MOUNTING DETAIL

DELINEATOR POST, DELINEATOR BRACKET AND DELINEATOR

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

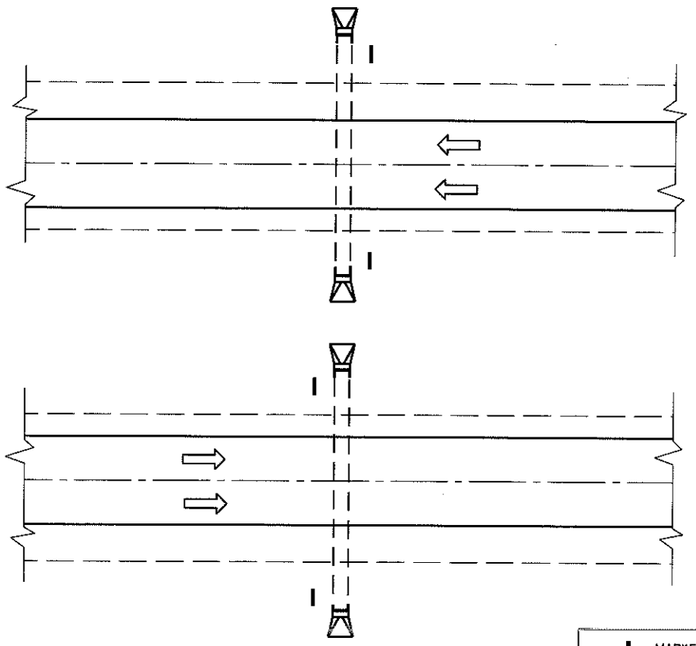
APPROVED 2/19/04 (DATE)
Thomas N. Notbohm
STATE TRAFFIC ENGINEER OF DESIGN
FHWA

6

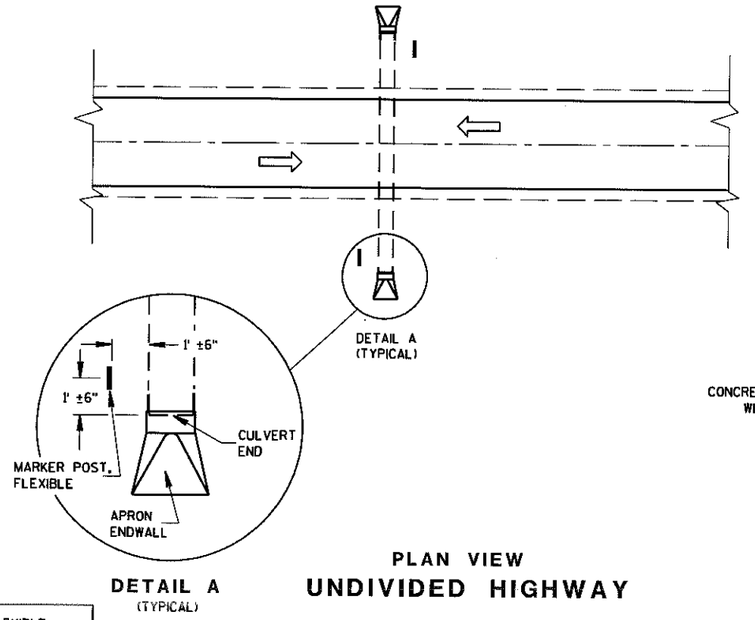
S.D.D. 15 A 2-6

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S.D.D. 15 A 2-6



PLAN VIEW
DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

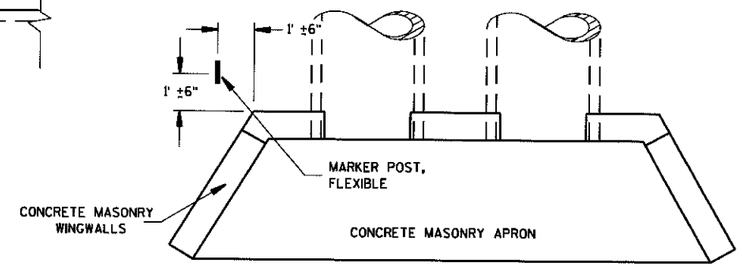
PLAN VIEW
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE
DIRECTION OF TRAFFIC FLOW

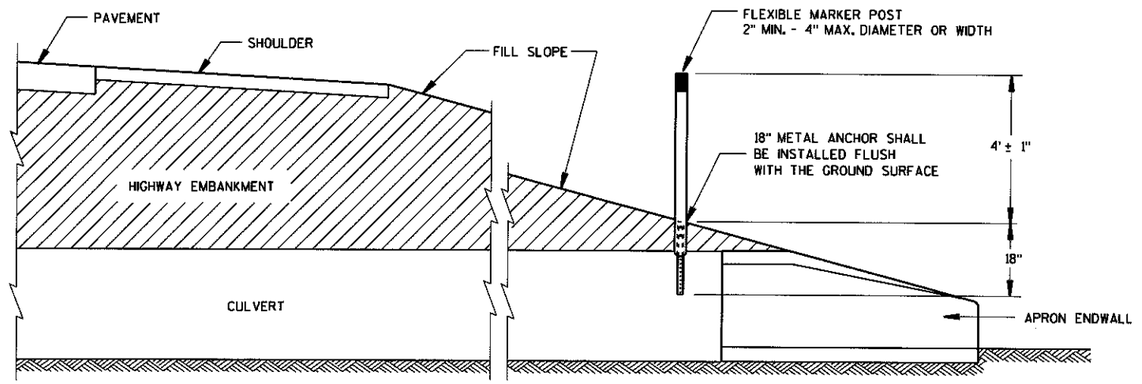
FLEXIBLE MARKER POST LOCATION

GENERAL NOTES

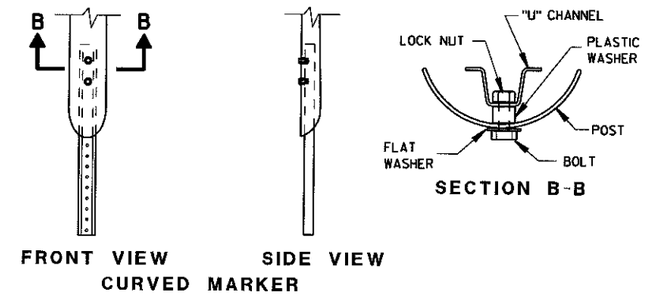
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



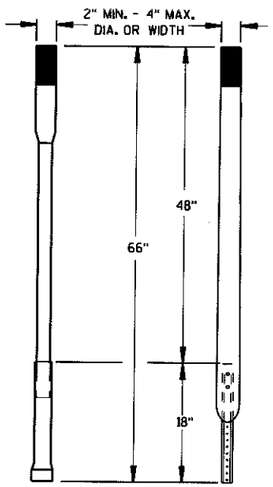
PLAN VIEW
CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH



CROSS SECTION
FLEXIBLE MARKER POST



FLEXIBLE MARKER POST ANCHORS



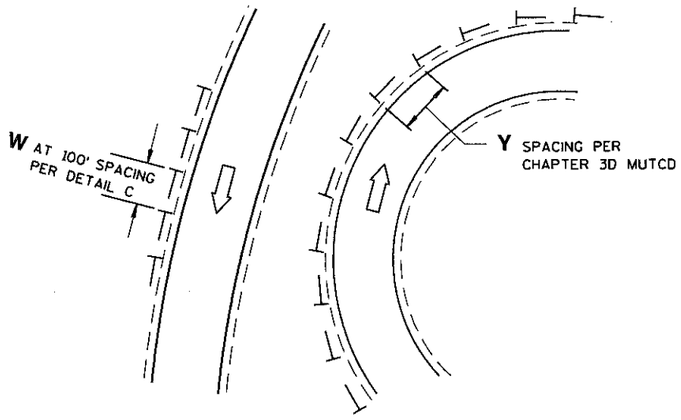
ALTERNATE 1 ALTERNATE 2
FLEXIBLE MARKER POST

MARKER POST, FLEXIBLE, FOR CULVERT END

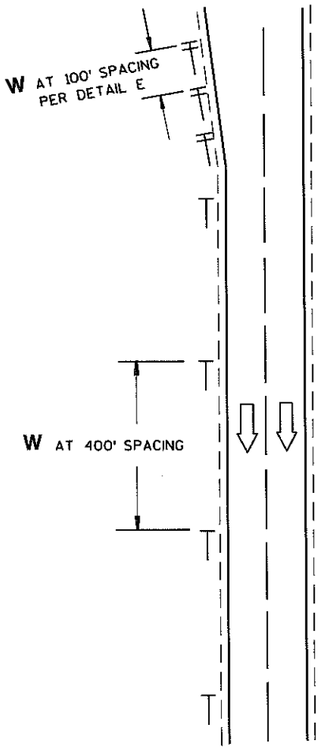
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/1/98
DATE
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

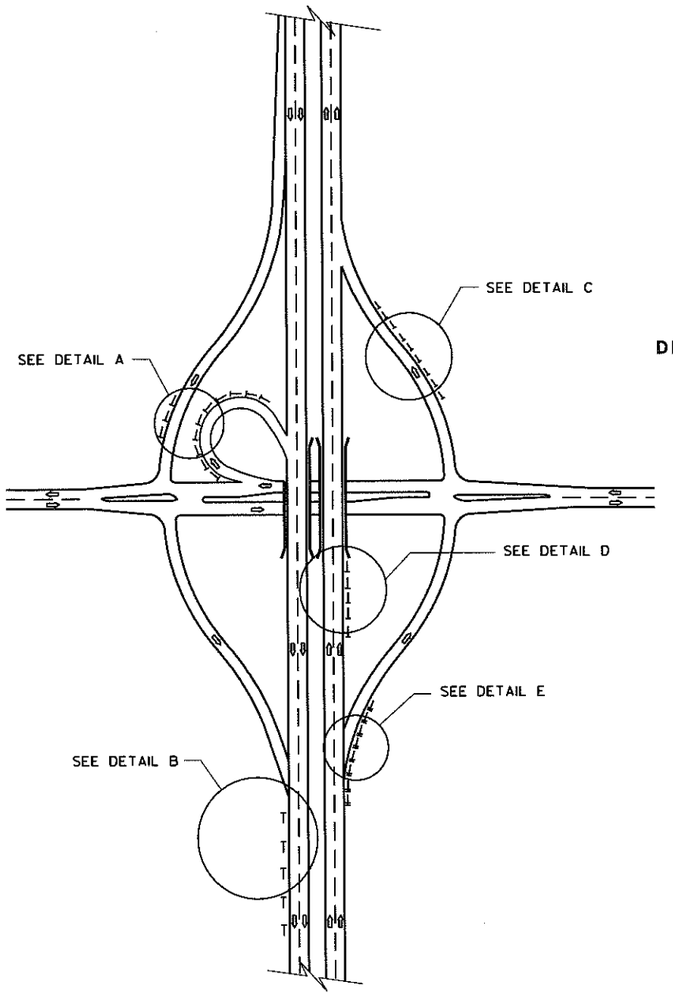
S.D.D. 15 A 3-1



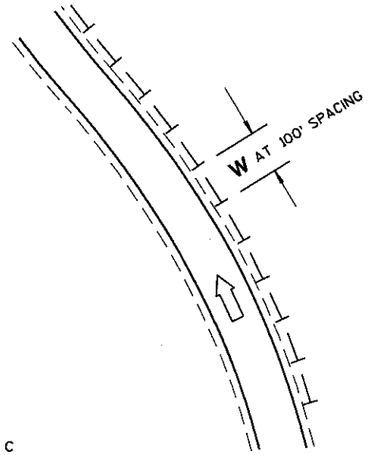
DETAIL A
DELINEATOR LAYOUT AT CURVED RAMP



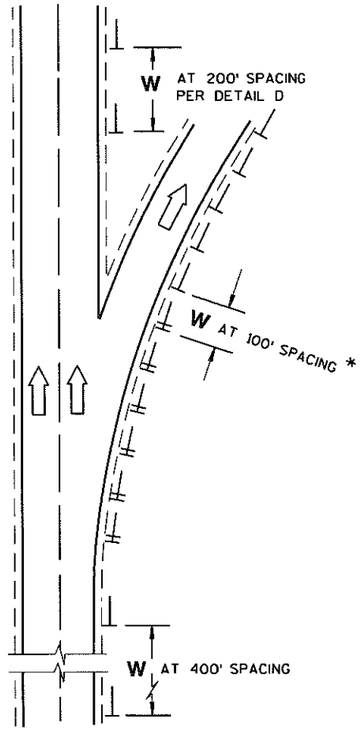
DETAIL B
DELINEATOR LAYOUT ALONG MAINLINE



DELINEATOR LAYOUT



DETAIL C
DELINEATOR LAYOUT ALONG RAMP



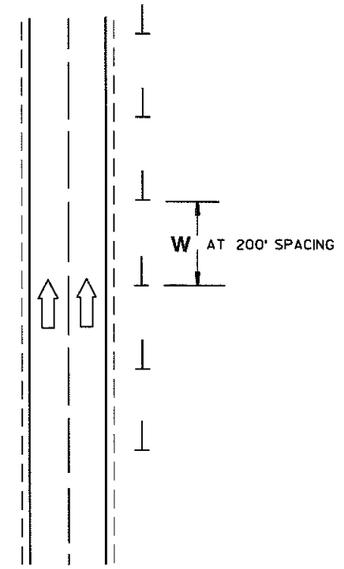
DETAIL E
DELINEATOR LAYOUT FOR ACCELERATION - DECELERATION LANES AND TAPERS AT RAMPS

GENERAL NOTES

* USE DOUBLE DELINEATOR ALONG ACCELERATION-DECELERATION LANES AND TAPERS. USE SINGLE DELINEATOR WHEN RAMP PAVEMENT IS FULL WIDTH.

LEGEND

⇨	DIRECTION OF TRAFFIC FLOW
⊥	SINGLE DELINEATOR
⫫	DOUBLE DELINEATOR
W	WHITE
Y	YELLOW

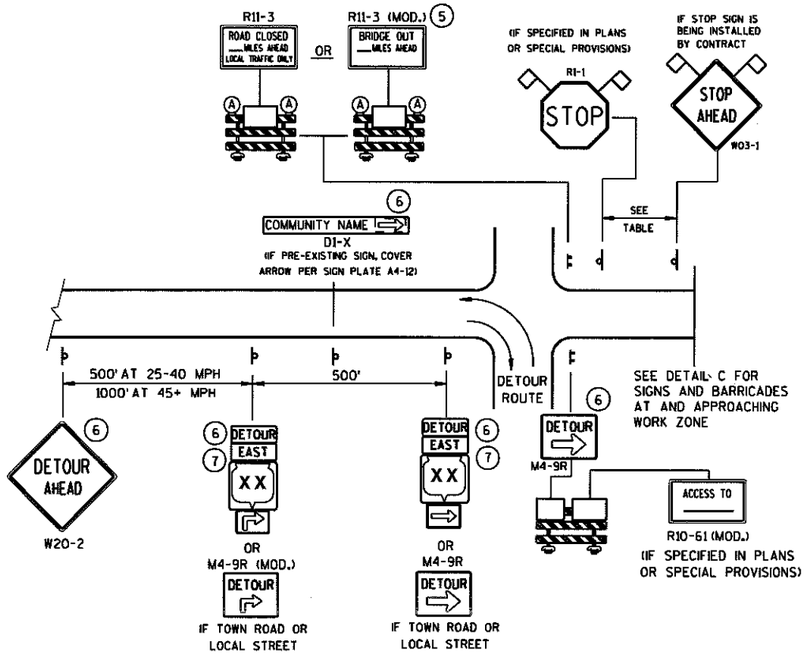


DETAIL D
DELINEATOR LAYOUT BETWEEN INTERCHANGE RAMPS

DELINEATOR LAYOUT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

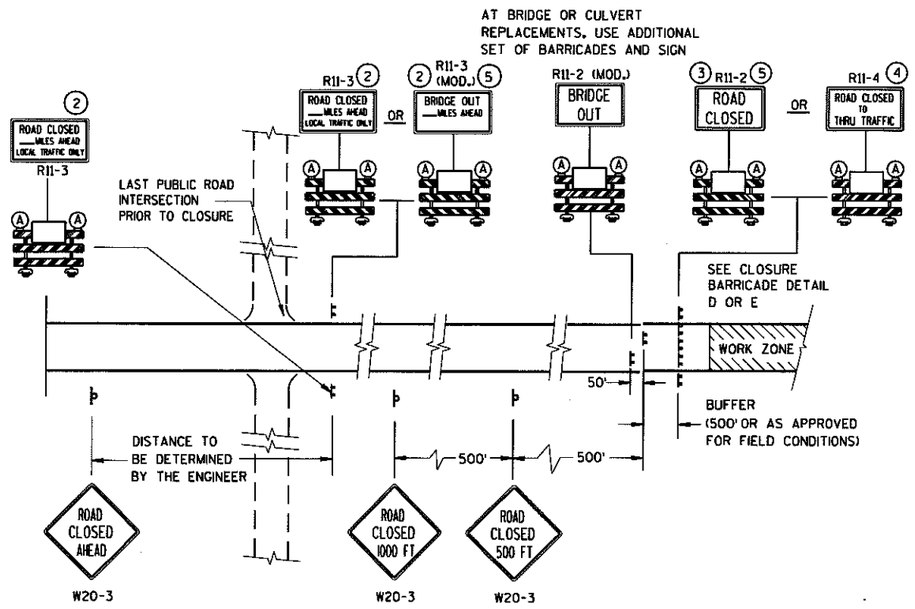
APPROVED 3/28/05 DATE
Thomas N. Notbohm
STATE TRAFFIC ENGINEER OF DESIGN
FHWA



DETAIL A

MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

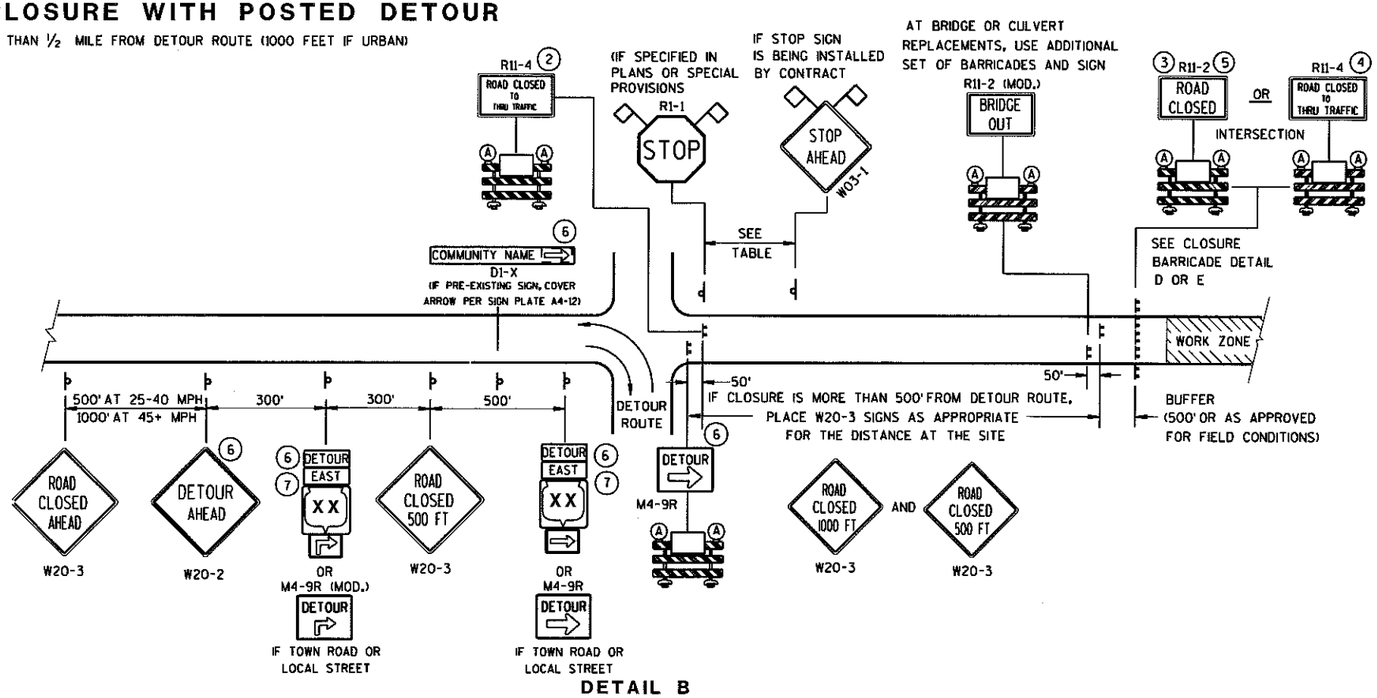


DETAIL C

MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-4b
FOR GENERAL NOTES
AND FOOTNOTES (1) THROUGH (7)



DETAIL B

MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

LEGEND

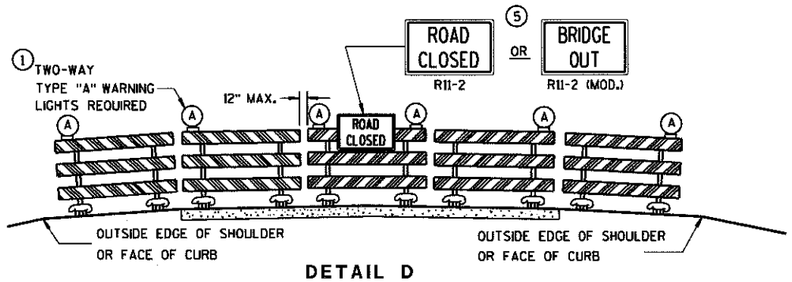
- POST MOUNTED SIGN
- TYPE III BARRICADES
- (A) TYPE "A" LOW INTENSITY FLASHING WARNING LIGHT (FOR NIGHT USE)
- WORK ZONE
- DETOUR / EAST — M4-8 / M3-X
- XX — M1-4; COUNTY XX — M1-5A; XX — M1-6
- M05-1 OR M06-1
- FLAGS, 16" X 16" MIN., (ORANGE)

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

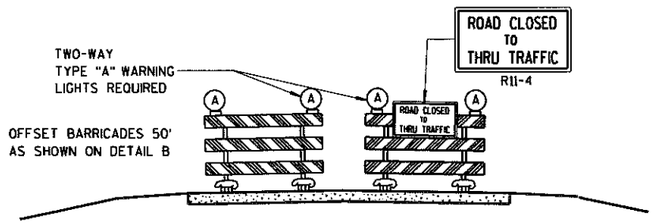
S.D.D. 15 C 2-4a



DETAIL D

ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



DETAIL E

LANE CLOSURE BARRICADE DETAIL

APPROACH VIEW

SEE SDD 15C2-4a FOR LEGEND

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8-FOOT LIGHT SPACING).

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D.

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL E.

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11-2 AND R11-3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

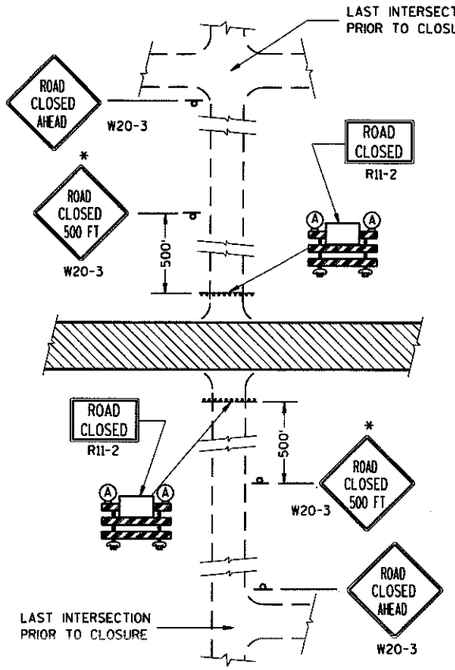
(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

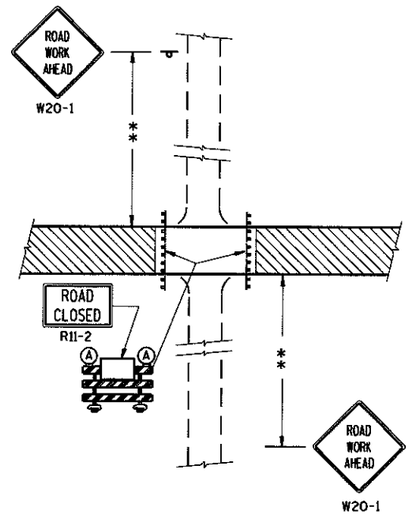
APPROVED
9/16/03
DATE
Thomas N. Notthoff for
CHIEF SIGNS AND MARKING ENGINEER
FHWA

6
S.D.D. 15 C 2-4b



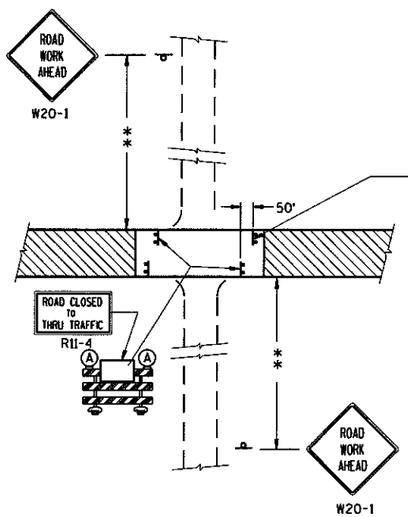
DETAIL 1

(NO ACCESS TO PROJECT)



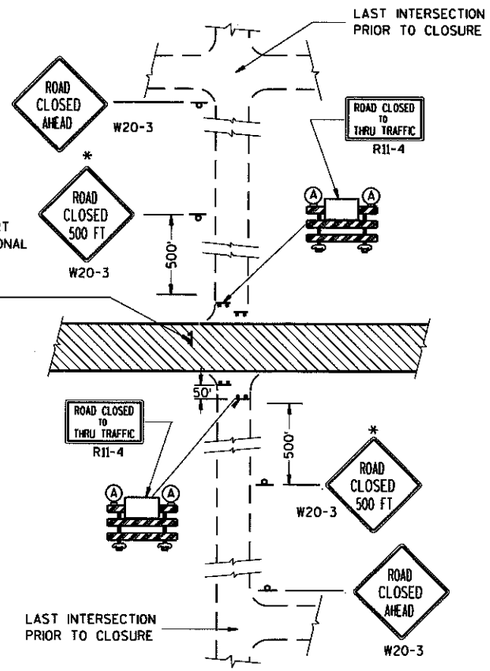
DETAIL 2

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



DETAIL 3

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



DETAIL 4

(CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

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

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

LEGEND

- POST MOUNTED WARNING SIGN
- TYPE III BARRICADES
- (A) TYPE "A" LOW INTENSITY FLASHING WARNING LIGHT (FOR NIGHT USE)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9-16-03
DATE

Thomas N. Notbohm for
CHIEF SIGNS AND MARKING ENGINEER

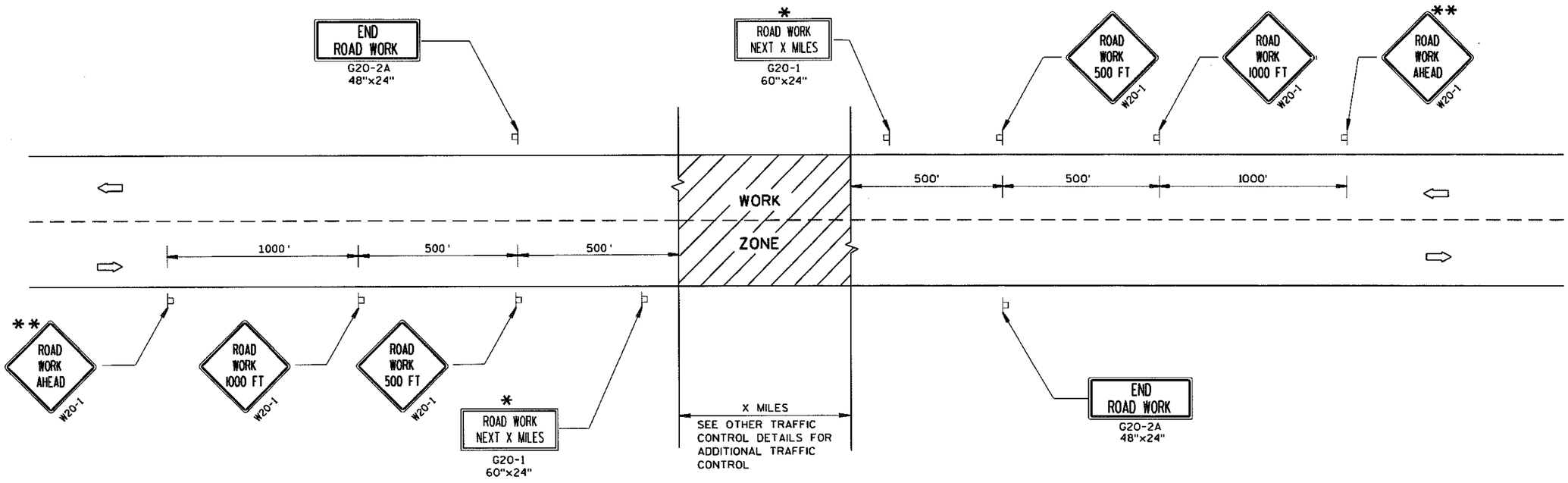
FHWA

6

S.D.D. 15 C 3-1

6

S.D.D. 15 C 3-1



GENERAL NOTES

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

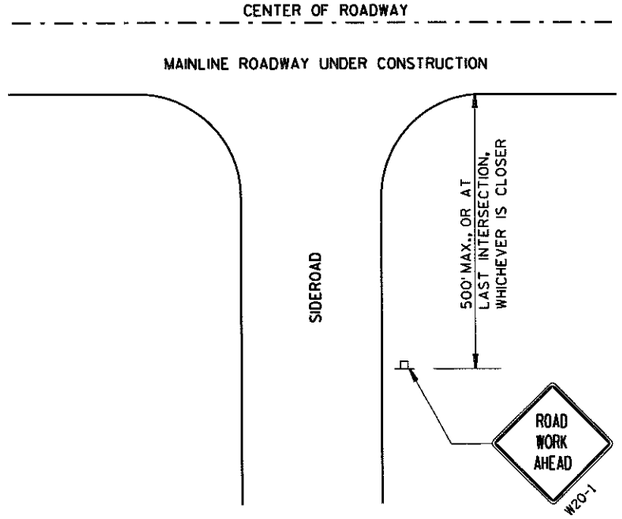
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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

* OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

** PLACE ADDITIONAL W20-1 "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA OR SIGNING.

TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL



LEGEND

POST MOUNTED SIGN

DIRECTION OF TRAFFIC FLOW

TRAFFIC CONTROL,
ADVANCE WARNING SIGNS
45 M.P.H. OR GREATER
TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

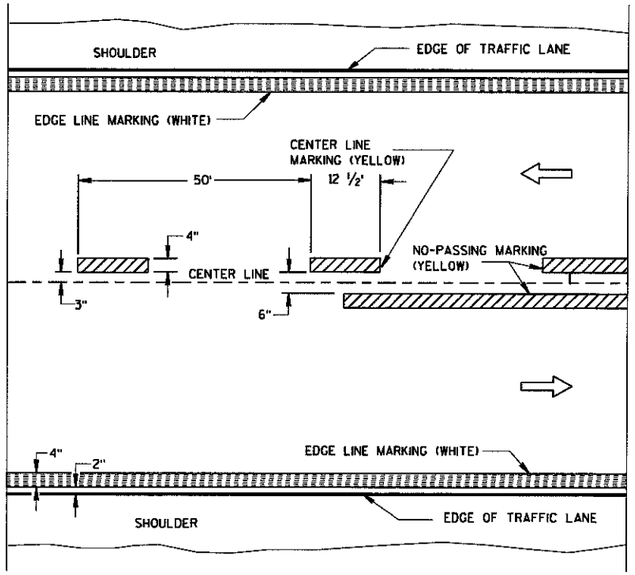
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5/23/00 DATE
Chester J. Sykora
CHIEF SIGNS AND MARKING ENGINEER
FHWA

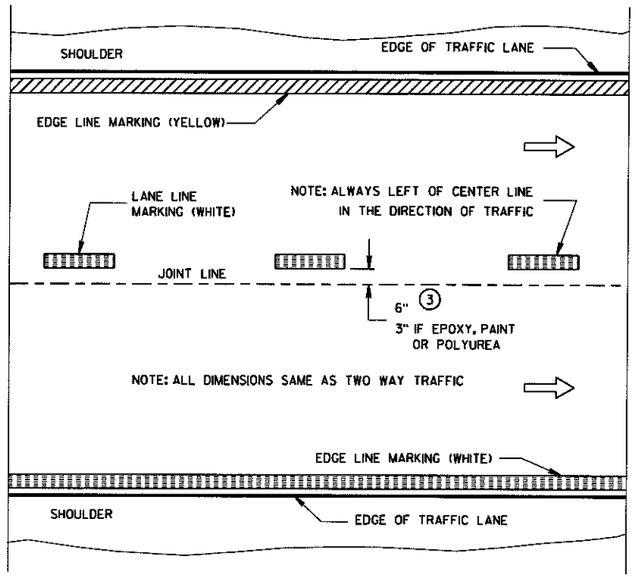
S.D.D. 15 C 4-1

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S.D.D. 15 C 4-1

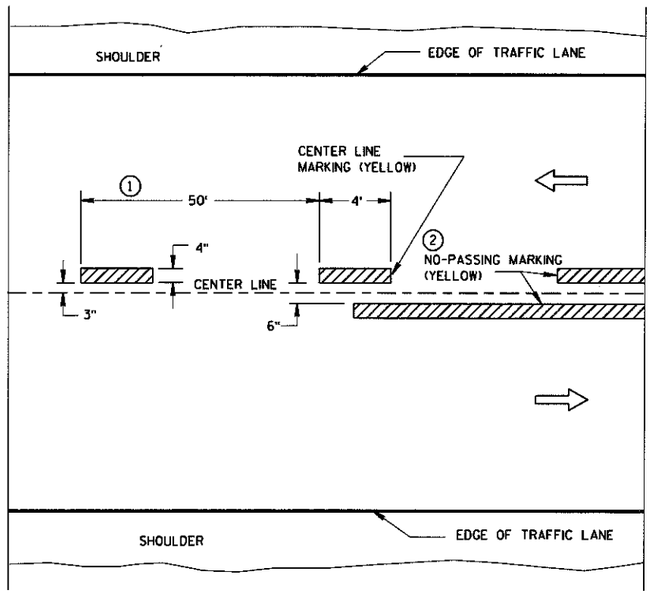


TWO WAY TRAFFIC

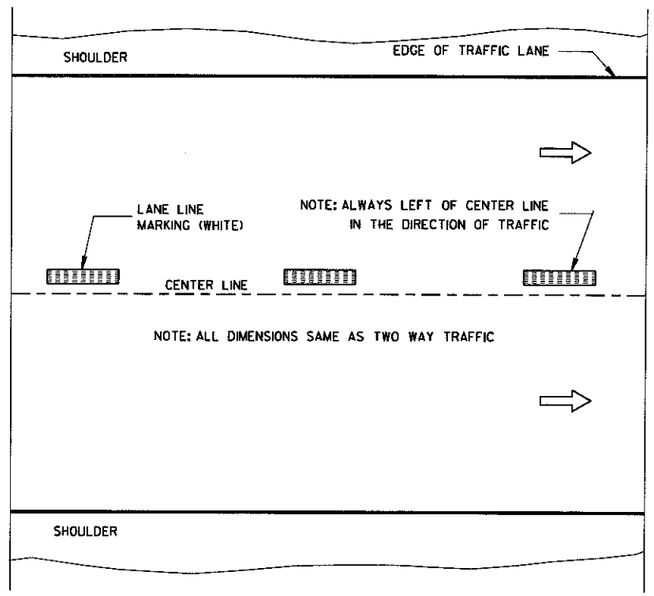


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY (INTERMEDIATE) PAVEMENT MARKING

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

GENERAL NOTES

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

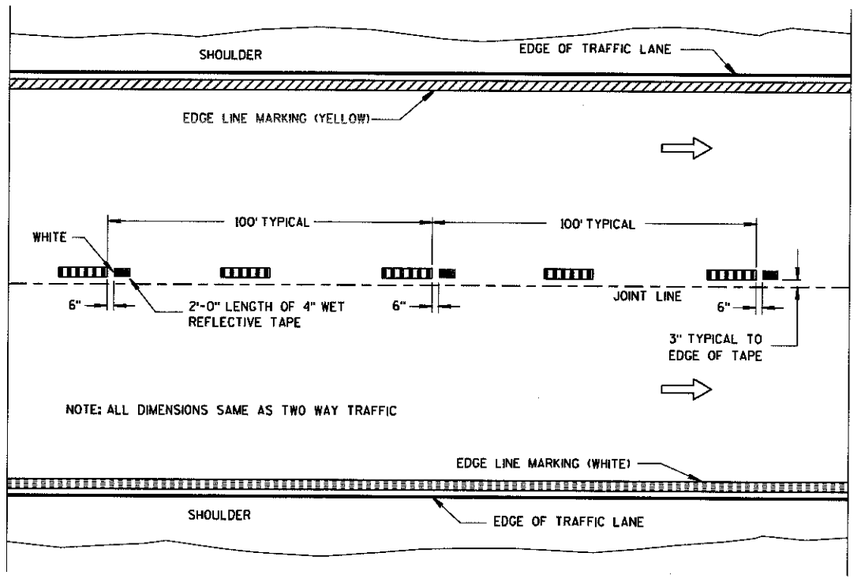
① HALF CYCLE LENGTHS (25'±) WITH 2' MINIMUM STRIPE LENGTHS SHALL BE PROVIDED ON ROADWAYS (INCLUDING TEMPORARY TRAVELED WAYS) WITH REVERSE CURVATURE, CURVATURE OF OVER 5 DEGREES OR WHEN DIRECTED BY THE ENGINEER TO MARK UNUSUAL ALIGNMENT OF THE TRAVELED WAY.

② NO PASSING ZONE TEMPORARY PAVEMENT MARKING IS REQUIRED TO BE PLACED, WHERE APPROPRIATE, ALONG WITH CENTERLINE TEMPORARY PAVEMENT MARKING WHEN A SAME DAY PERMANENT PAVEMENT MARKING ITEM IS INCLUDED IN THE CONTRACT.

③ DIMENSION FROM THE WHITE REFLECTIVE EDGE FOR WET REFLECTIVE TAPE PLACEMENT ONLY.

NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL



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

PAVEMENT MARKING (MAINLINE)	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
1-16-07 DATE	/S/ Thomas N. Notbohm STATE TRAFFIC ENGINEER OF DESIGN
FHWA	

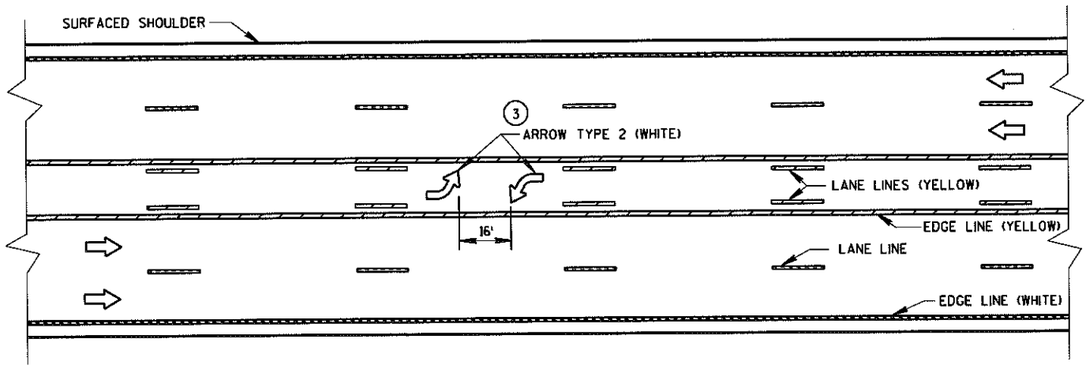
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S.D.D. 15 C 8-10a

6

S.D.D. 15 C 8-10a

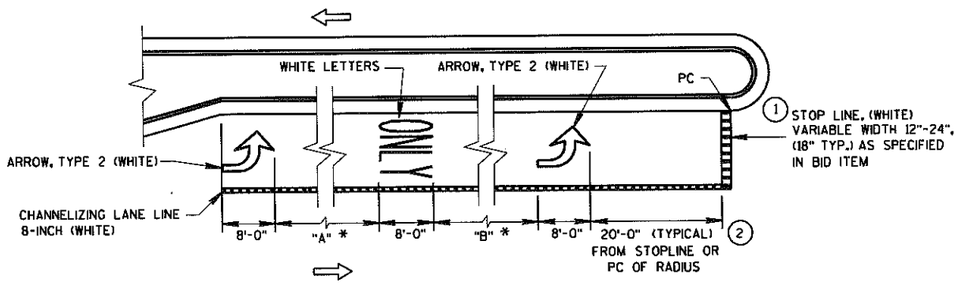
NOTE:
ARROW SYMBOL (⇨)
SHOWS DIRECTION OF TRAVEL



TWO WAY LEFT TURN LANE

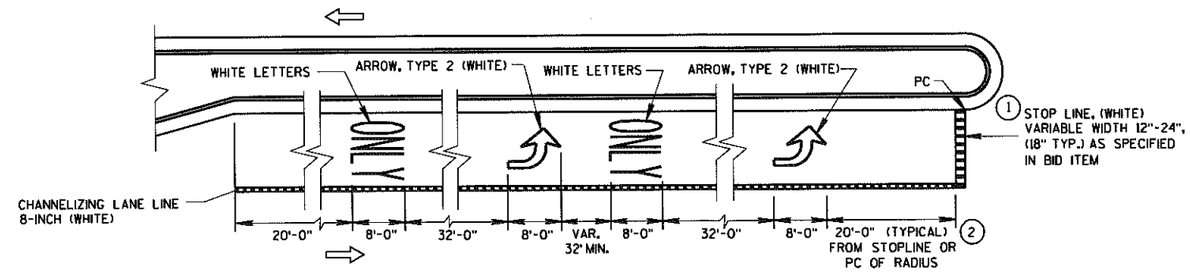
NOTES:

1. STOP BAR IS REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.
2. DISTANCE MAY BE ADJUSTED TO ACCOMODATE SHORT LEFT TURN LANES. AS APPROVED BY THE ENGINEER.
3. A SET OF ARROWS IS REQUIRED EVERY 400'OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.

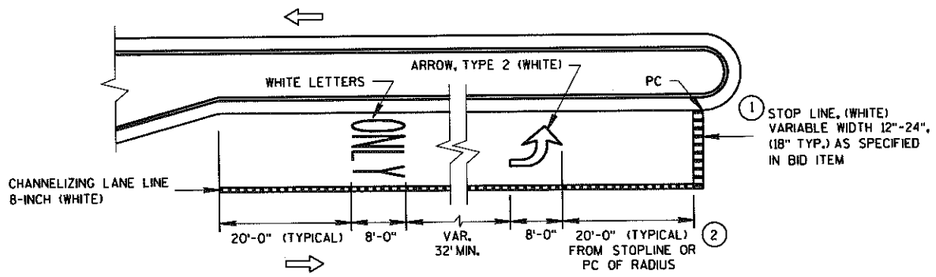


*VARIABLE, 32' MIN.
"A" = "B" (TYPICAL)

LEFT TURN LANE
(LENGTH 108' TO 167')



LEFT TURN LANE
(LENGTH OVER 167')



LEFT TURN LANE
(LENGTH UNDER 108')

PAVEMENT MARKING
(LEFT TURN LANE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

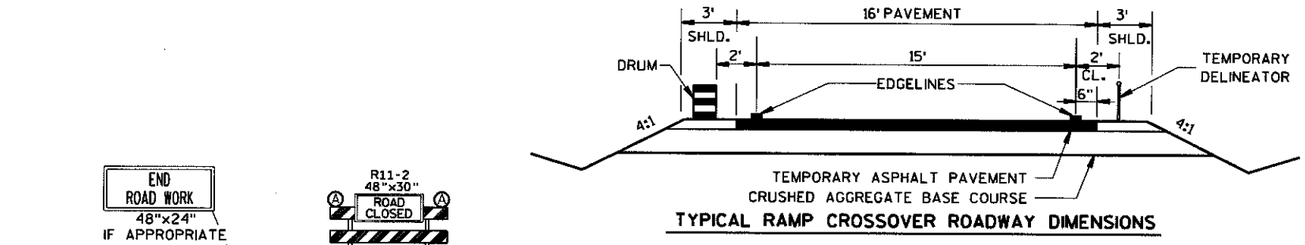
APPROVED
8/1/05 — DATE
/S/ Thomas N. Notbohm — STATE TRAFFIC ENGINEER OF DESIGN
FHWA

6

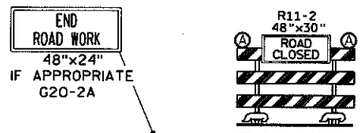
S.D.D. 15 C 8-10d

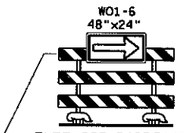
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S.D.D. 15 C 8-10d

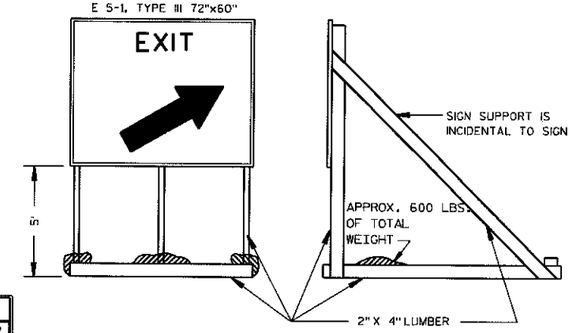


TYPICAL RAMP CROSSOVER ROADWAY DIMENSIONS

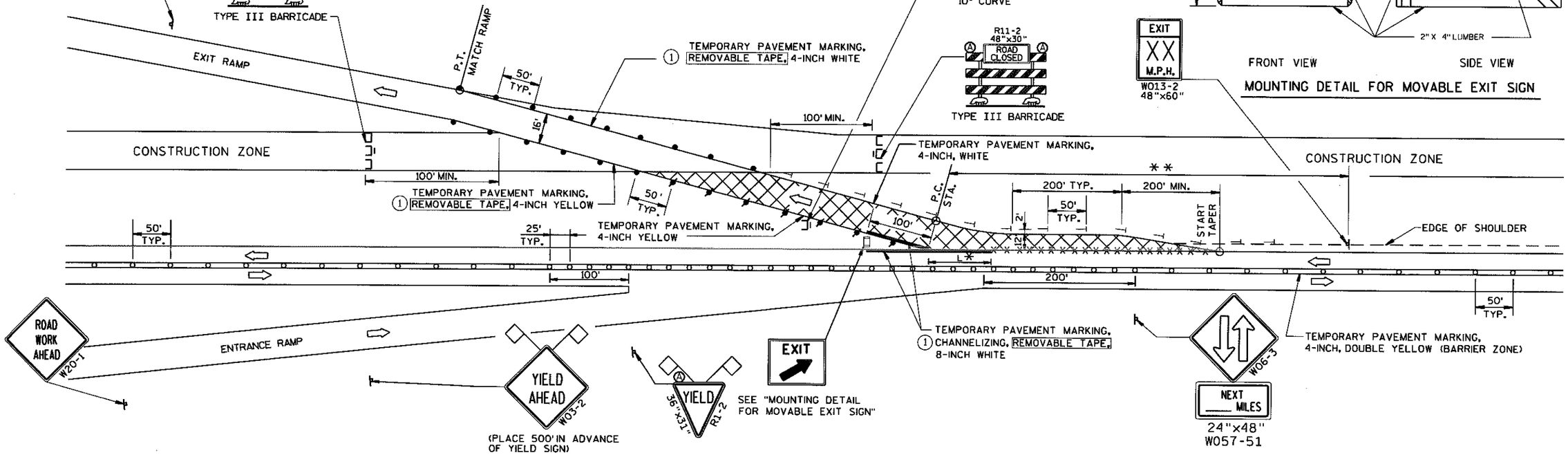




SHALL BE USED IF SHARPER THAN 10° CURVE



MOUNTING DETAIL FOR MOVABLE EXIT SIGN



LEGEND

- C/IC 8' TYPE III BARRICADE WITHOUT/WITH ATTACHED SIGN
- POST WITH ATTACHED SIGN
- DRUM WITH WARNING LIGHT (TYPE C)
- DRUM
- TEMPORARY DELINEATOR - WHITE (STEEL POST W/SINGLE DELINEATOR)
- Ⓐ WARNING LIGHT, TYPE A
- TEMPORARY CROSSOVER ASPHALTIC PAVEMENT
- ×××× REMOVING PAVEMENT MARKINGS
- o FLEXIBLE TUBULAR MARKER POST AND BASE
- FLAGS, 12" X 12", RED
- DIRECTION OF TRAFFIC

GENERAL NOTES :

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

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.

① TEMPORARY PAVEMENT MARKING REMOVABLE TAPE SHALL BE USED WHEN CROSSING PERMANENT ROADWAY SURFACES THAT WILL REMAIN AFTER USE OF CROSSOVER. OTHERWISE TEMPORARY PAVEMENT MARKING MAY BE USED.

TRAFFIC CONTROL FOR RAMP CROSSOVERS ARE TYPICAL FOR ALL CONSTRUCTION PHASES.

* LENGTH L SHALL BE REQUIRED WHEN TANGENT LENGTH OF EXIT RAMP PARALLEL TO MAINLINE EXCEEDS 300'. LENGTH SHALL BE EQUAL TO THE EXIT RAMP TANGENT LENGTH MINUS 300' OR AS APPROVED BY THE ENGINEER AND SHALL CHANGE TO ACCOMODATE PAVING GAPS.

** ADJUST EXIT RAMP SPEED AS NEEDED IN THE FIELD. DISTANCE TO SIGN LOCATION SHALL ALSO BE PLACED ACCORDING TO TABLE.

WORK ALONG EDGES OF RAMP SHALL MAINTAIN A 10 FOOT AREA CLEAR OF PHYSICAL OBSTRUCTIONS SUCH AS DROP OFFS FROM PAVEMENT REMOVAL OR BROKEN CONCRETE CHUNKS DURING PAVEMENT REMOVAL. THESE AREAS SHALL BE LEVELED WITH TEMPORARY FILL TO PROTECT THE TRAVELING PUBLIC WHEN THE CONTRACTOR IS NOT WORKING ADJACENT TO THE CROSSOVER.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

** TABLE FOR ADVANCE WARNING SIGN PLACEMENT DISTANCE

POSTED SPEED MPH	DESIRED SPEED AT CONDITION (MPH)				
	10	20	30	40	50
45	350	300	250		
50	425	400	325	225	
55	500	475	400	300	
60	575	550	500	400	300
65	650	625	575	500	375

TRAFFIC CONTROL
TEMPORARY EXIT
RAMP CROSSOVER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

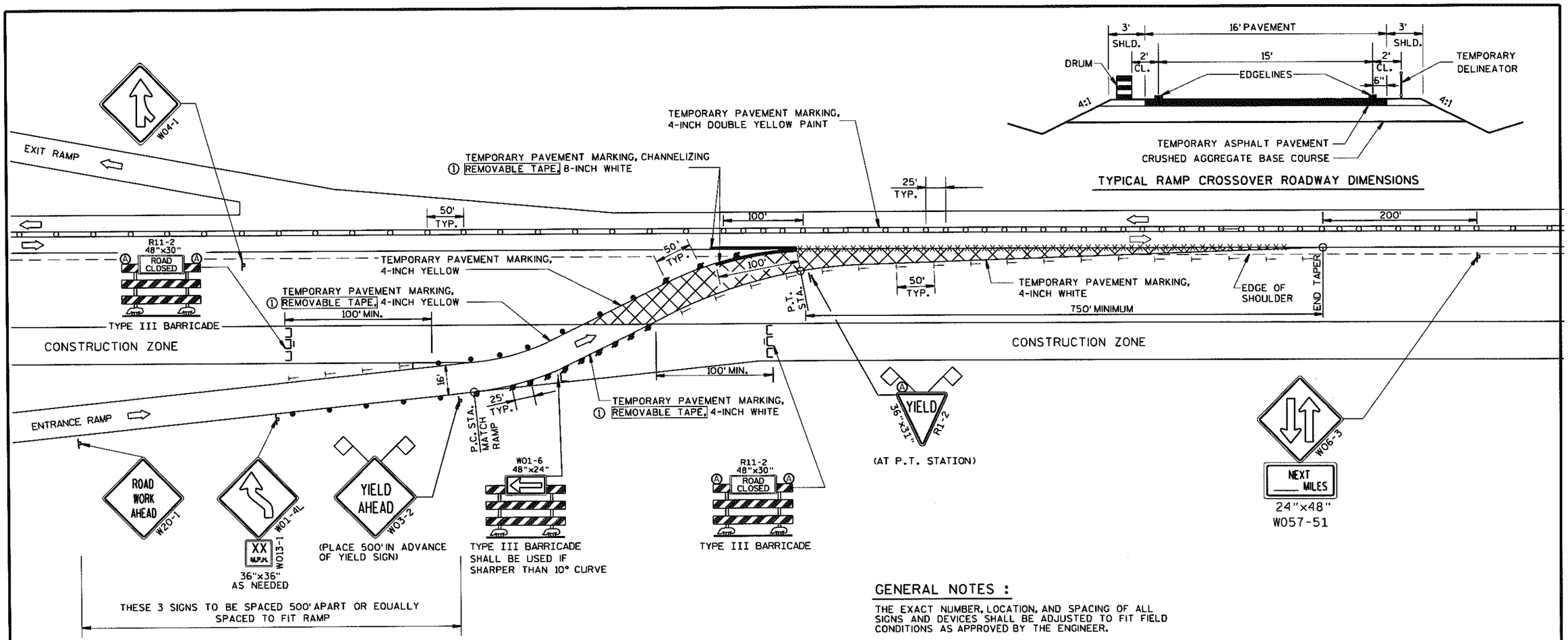
APPROVED
12-4-95
DATE
Charles J. Sprang
for DIRECTOR, OFFICE OF TRAFFIC
FHWA

6

S.D.D. 15 D 7-3

6

S.D.D. 15 D 7-3



TYPICAL RAMP CROSSOVER ROADWAY DIMENSIONS

LEGEND

- C/IC — 8' TYPE III BARRICADE WITHOUT/WITH ATTACHED SIGN
- POST WITH ATTACHED SIGN
- DRUM WITH WARNING LIGHT (TYPE C)
- DRUM
- TEMPORARY DELINEATOR (STEEL POST W/SINGLE DELINEATOR) COLOR OF DELINEATOR SHALL MATCH THE COLOR OF THE RESPECTIVE EDGELINE MARKING
- Ⓐ WARNING LIGHT, TYPE A (SAME COLOR AS SIGN IT SUPPLEMENTS)
- TEMPORARY CROSSOVER ASPHALTIC PAVEMENT
- REMOVING PAVEMENT MARKINGS
- FLEXIBLE TUBULAR MARKER POST AND BASE
- FLAGS, 12" X 12", RED
- DIRECTION OF TRAFFIC

GENERAL NOTES :

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

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.

① TEMPORARY PAVEMENT MARKING REMOVABLE, TAPE SHALL BE USED WHEN CROSSING PERMANENT ROADWAY SURFACES THAT WILL REMAIN AFTER USE OF CROSSOVER.

TRAFFIC CONTROL FOR RAMP CROSSOVERS ARE TYPICAL FOR ALL CONSTRUCTION PHASES.

WORK ALONG EDGES OF RAMP SHALL MAINTAIN A 10 FOOT AREA CLEAR OF PHYSICAL OBSTRUCTIONS SUCH AS DROP OFFS FROM PAVEMENT REMOVAL OR BROKEN CONCRETE CHUNKS DURING PAVEMENT REMOVAL. THESE AREAS SHALL BE LEVELED WITH TEMPORARY FILL TO PROTECT THE TRAVELING PUBLIC WHEN THE CONTRACTOR IS NOT WORKING ADJACENT TO THE CROSSOVER.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

TRAFFIC CONTROL, TEMPORARY ENTRANCE RAMP CROSSOVER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
12-4-95
DATE
Charles T. Spang
for DIRECTOR, OFFICE OF TRAFFIC
FHWA

S.D.D. 15 D 8-3

SYMBOLS

IC/C — TYPE III BARRICADE (8' EQUIVALENT) WITH/WITHOUT SIGN

• — DRUM

— POST MOUNTED SIGN

(A) — WARNING LIGHT, TYPE A (FLASHING)

⇨ — DIRECTION OF TRAFFIC

GENERAL NOTES

THIS RAMP CLOSURE DETAIL IS TYPICAL FOR CLOSING A RIGHT SIDE EXIT RAMP. FOR A LEFT SIDE EXIT RAMP, REVERSE THE TRAFFIC CONTROL.

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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

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

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

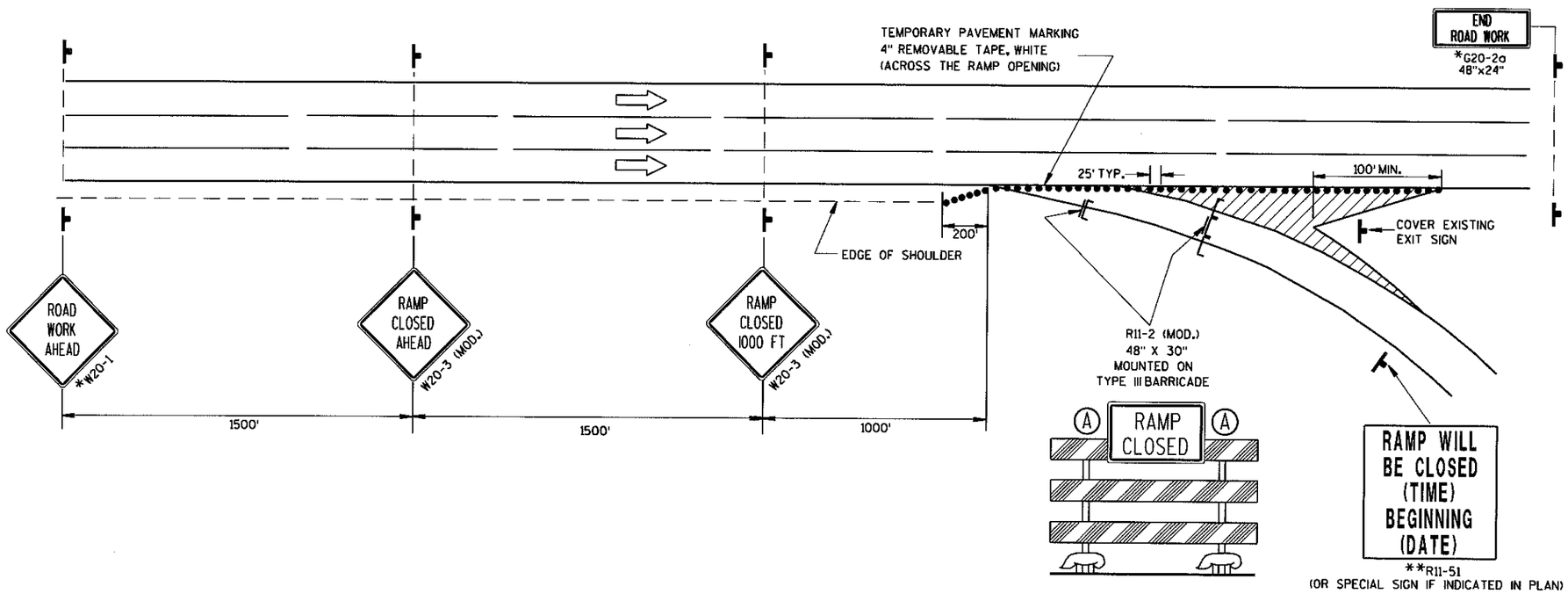
PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF RAMP CLOSURE IS TO BE IN PLACE FOR 7 OR MORE CONTINUOUS DAYS AND NIGHTS.

WORK AREAS WITH A DROPOFF ALONG THE EDGE OF AN OPEN TRAVEL LANE SHALL BE LEVELED WITH TEMPORARY FILL WHEN THE CONTRACTOR IS NOT WORKING ADJACENT TO THE TRAVEL LANE. DRUMS SHALL BE PLACED ENTIRELY OUTSIDE THE TRAVEL LANE, ALLOWING THE FULL UNOBSTRUCTED LANE WIDTH, WHEN THE WORK IS NOT IN PROGRESS.

WHERE MEDIAN BARRIER IS IN PLACE, SIGNS SHOWN ON LEFT SIDE OF ROADWAY MAY BE OMITTED FOR RIGHT SIDE RAMP CLOSURES OF LESS THAN 12-HOUR DURATION.

*W20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE RAMP CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

**USE THE "RAMP WILL BE CLOSED" SIGN IF INDICATED IN MISCELLANEOUS QUANTITIES. PLACE 10 CALENDAR DAYS PRIOR TO CLOSURE OR AS DIRECTED BY THE ENGINEER. SEE WISCONSIN STANDARD SIGN PLATES FOR SIGN LAYOUT.



TRAFFIC CONTROL, EXIT RAMP CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5/23/00
DATE

Clinton J. Sprang
CHIEF SIGNS AND MARKING ENGINEER

FHWA

S.D.D. 15 D 16-1

6

S.D.D. 15 D 16-1

SYMBOLS

- TRAFFIC CONTROL DRUM
- POST MOUNTED SIGN
- DIRECTION OF TRAFFIC FLOW
- ARROW BOARD IN CAUTION MODE

GENERAL NOTES

THIS DETAIL IS TYPICAL FOR CLOSING THE RIGHT SHOULDER. FOR CLOSING THE LEFT SHOULDER, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR DIVIDED ROADWAYS WITH ANY NUMBER OF TRAVEL LANES.

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

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

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

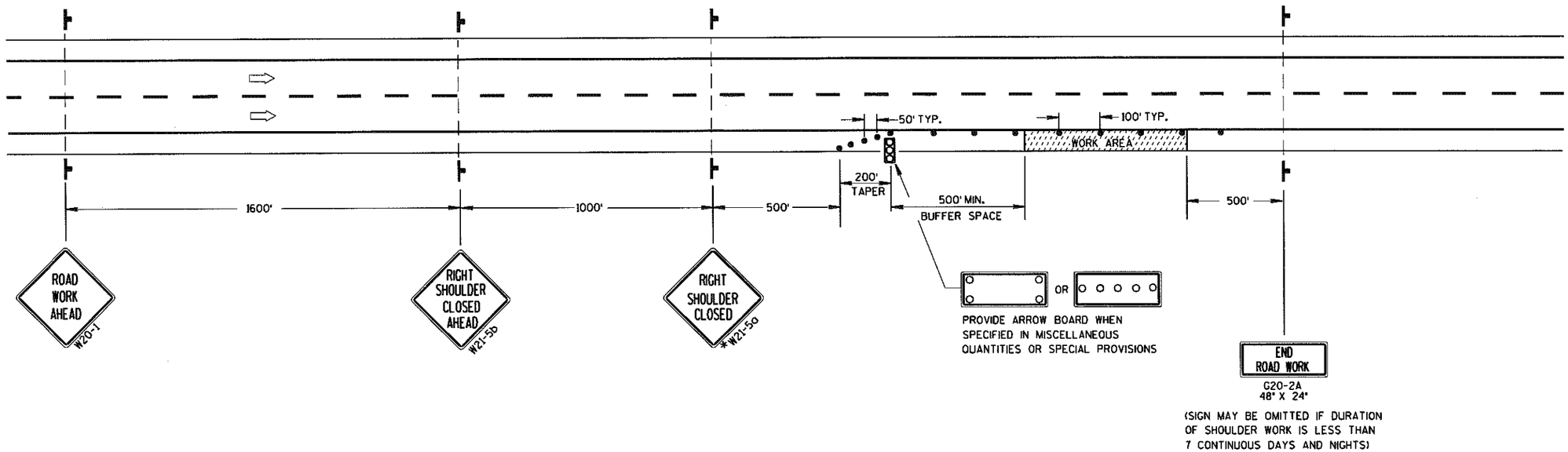
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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

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

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 APPROVED BY THE ENGINEER.

*FOR SHORT DURATION SHOULDER WORK OF LESS THAN ONE HOUR, THE W21-5a SIGN MAY BE OMITTED.



TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

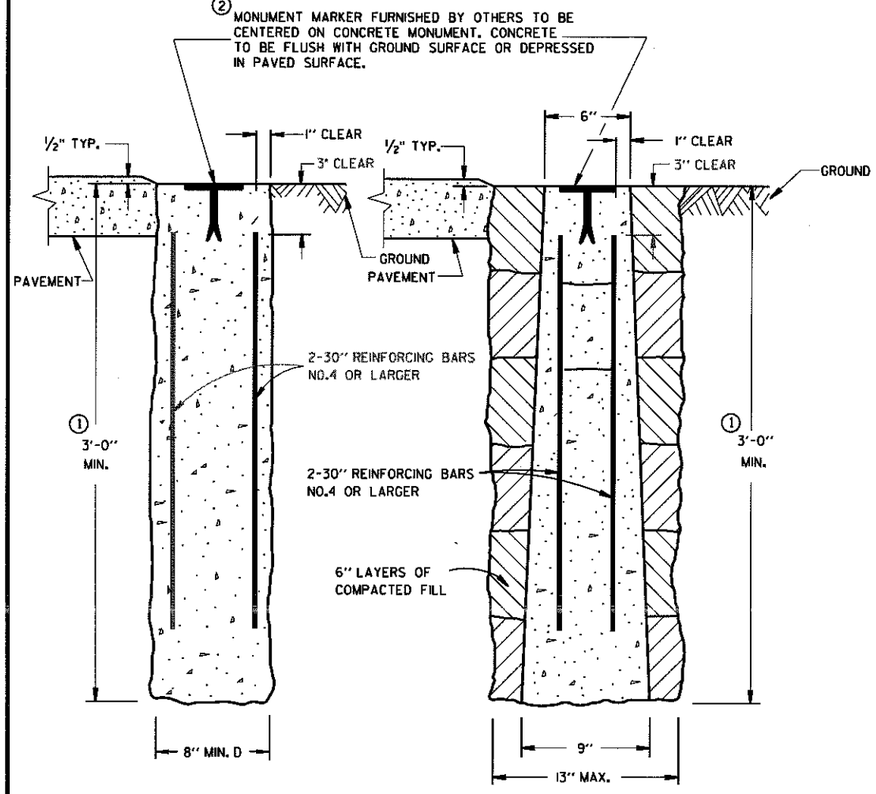
APPROVED
5/23/00 DATE
/S/ Chester J. Spong
CHIEF SIGNS AND MARKING ENGINEER
FHWA

6

S.D.D. 15 D 27-1

6

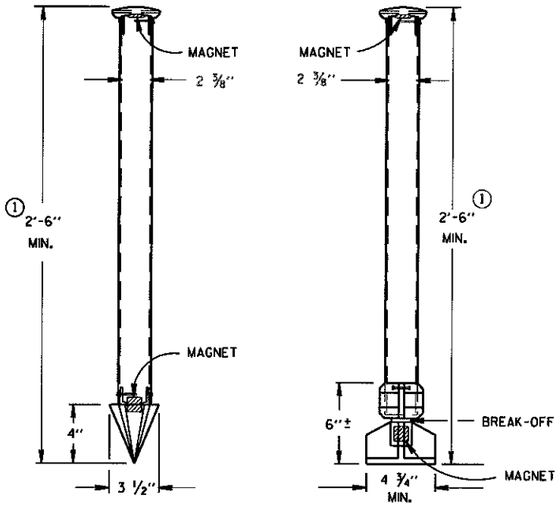
S.D.D. 15 D 27-1



CAST-IN-PLACE PRECAST

CONCRETE MONUMENTS

TYPE A



TYPE C

DRIVE-IN MONUMENT

TYPE D

BREAK-OFF MONUMENT

ALUMINUM MONUMENTS

(INCLUDES MARKER)

GENERAL NOTES

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

DETAILED DRAWINGS OF PROPOSED ALTERNATE DESIGNS FOR METAL MONUMENTS OR MONUMENT COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

INSTALLED METAL MONUMENTS MUST BE EASILY DETECTED WITH A DIP NEEDLE. INSERT PERMANENT MAGNETS SHALL BE ATTACHED NEAR THE TOP AND BOTTOM OF THOSE MONUMENTS CONSTRUCTED OF A METAL ALLOY WHICH IS NOT ATTRACTIVE TO A DIP NEEDLE.

THE CAST IRON MONUMENT COVER SHALL BE A "NON-ROCKING" TYPE. ADJUSTMENT OF THE COVER TO GRADE MAY BE ACCOMPLISHED BY THE USE OF MORTAR AND BRICK, OR BY EITHER PRECAST OR CAST-IN-PLACE REINFORCED CONCRETE GRADE RINGS.

MONUMENTS SHALL BE LOCATED AND PLACED AT THE DIRECTION OF THE ENGINEER.

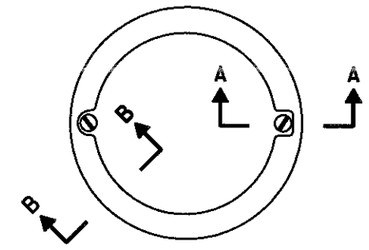
ALUMINUM MONUMENTS AND MONUMENT COVERS SHALL BE MADE FROM AN ALUMINUM AND MAGNESIUM ALLOY AS DETERMINED BY THE MANUFACTURER.

THE MONUMENT COVERS DETAILED ON THIS DRAWING ARE NOT EQUAL ALTERNATES. MONUMENT COVERS SHALL BE CAST IRON UNLESS ALUMINUM IS SPECIFIED ELSEWHERE IN THE CONTRACT.

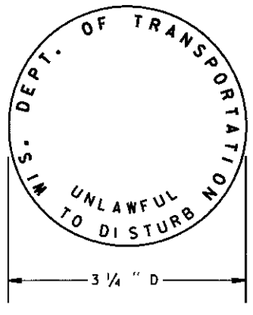
MONUMENT SHALL BE CAST-IN-PLACE CONCRETE UNLESS PRECAST CONCRETE OR ALUMINUM MONUMENTS ARE SPECIFIED IN THE CONTRACT OR PERMITTED BY THE ENGINEER.

① MINIMUM LENGTH SHALL BE 4'-0" FOR MONUMENTS INSTALLED IN PAVED AREAS.

② AN OFFICIAL COUNTY MONUMENT MARKER SUPPLIED BY A COUNTY MAY BE REQUIRED FOR SOME SECTION CORNERS AND WITNESS MONUMENTS INSTEAD OF THIS WIS DOT MARKER.

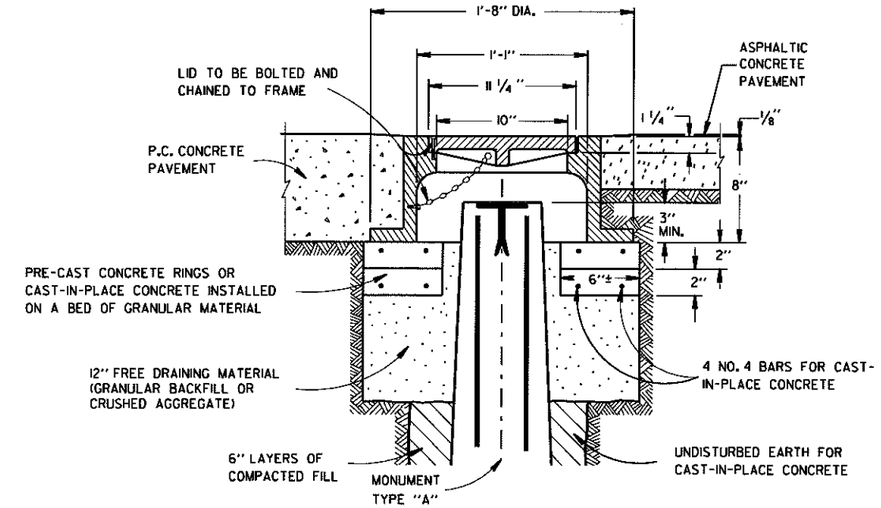


TOP VIEW



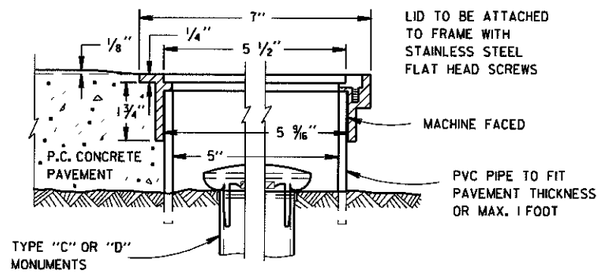
② WIS DOT MONUMENT MARKER LOGO

FOR TYPES "A", "C" & "D"



CAST IRON MONUMENT COVER

(APPROXIMATE WEIGHT - 95 LBS.)



SECTION B-B SECTION A-A

ALUMINUM MONUMENT COVER

(APPROXIMATE WEIGHT 2 LBS)

(FOR CONCRETE PAVEMENT ONLY)

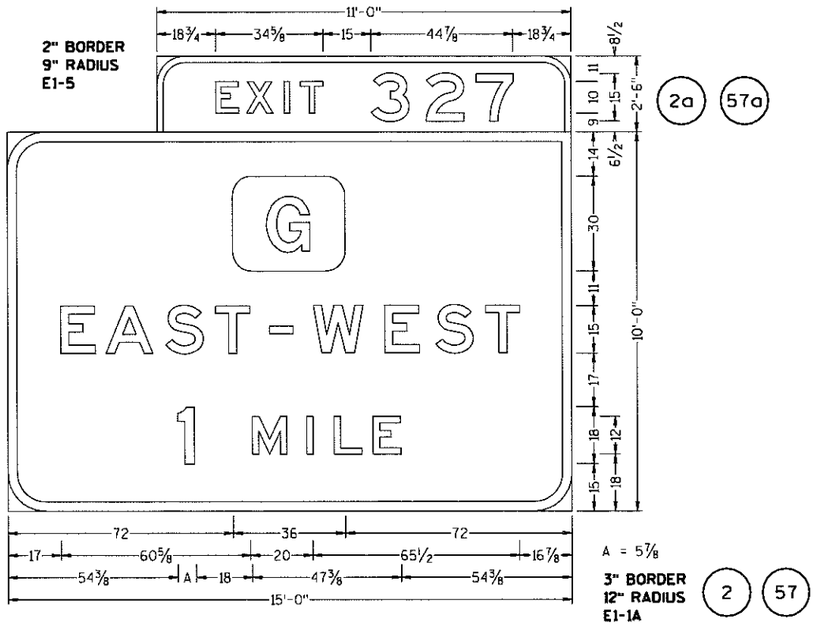
LANDMARK REFERENCE MONUMENTS AND COVERS

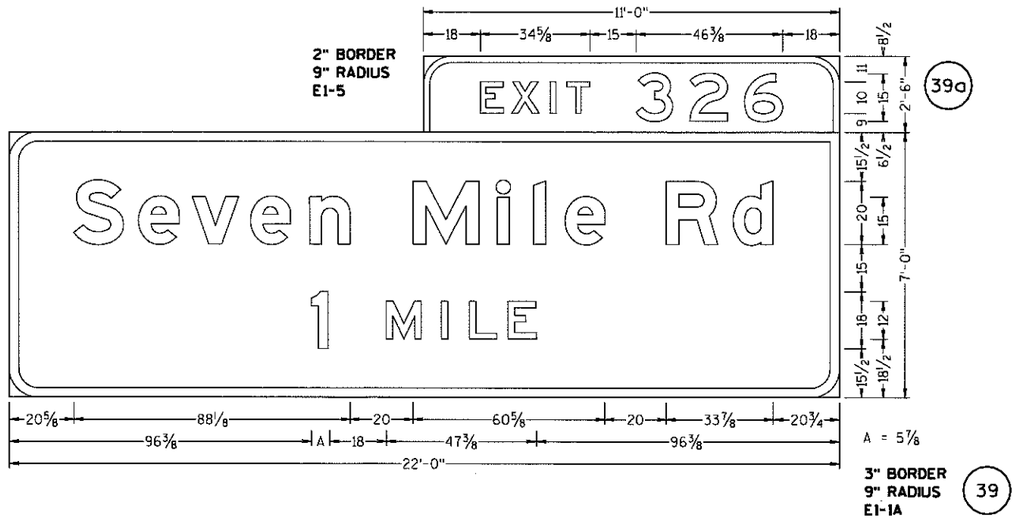
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

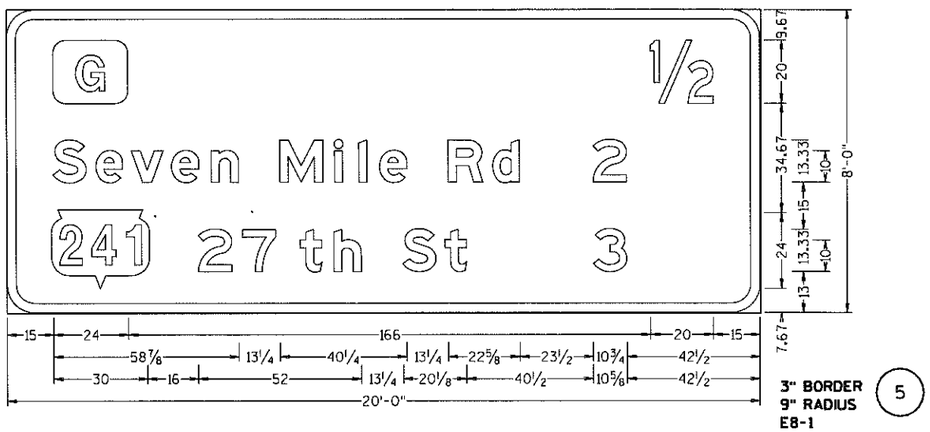
APPROVED 9/22/99 DATE
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

S.D.D. 16 A 1-6

6





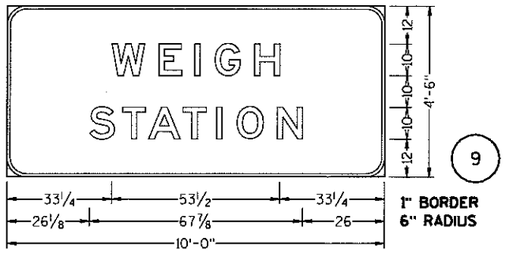


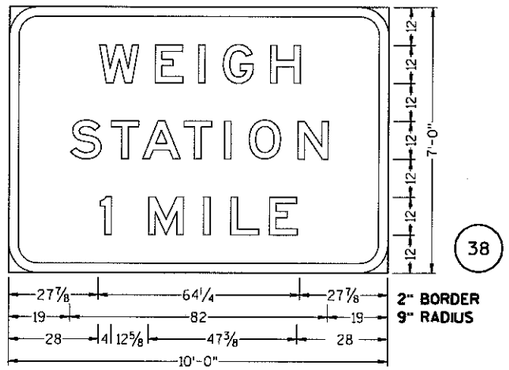
TYPE I&II SIGN GENERAL NOTES

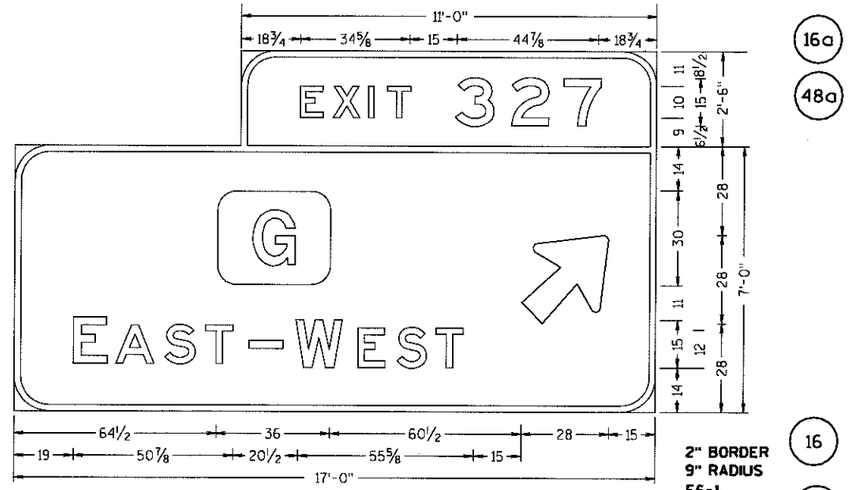
GENERAL NOTES:

1. DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIRMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE PLANS.
2. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET ARE "SIGNS, TYPE I".
3. **UNLESS OTHERWISE NOTED, TYPE I SIGNS ON THIS SHEET SHALL HAVE "TYPE SH OR GREATER REFLECTIVE SHEETING" AND TYPE SH MESSAGE MATERIAL", TYPE II SIGNS SHALL HAVE TYPE H SHEETING AND MESSAGE MATERIAL.**
4. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET SHALL HAVE A GREEN BACKGROUND AND WHITE MESSAGE.
5. ALL UPPER CASE MESSAGE (EXCEPT ON SHIELDS OR WHERE OTHERWISE NOTED) SHALL BE "SERIES E, MODIFIED". ALL LOWERCASE MESSAGE WITH AN INITIAL UPPERCASE LETTER SHALL BE "SERIES E, MODIFIED". TYPE II SIGNS SHALL HAVE MESSAGE SERIES E.
6. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET SHALL HAVE "TYPE A" OR "TYPE C" ARROWS AS SHOWN. SEE THE STANDARD SIGN PLATES FOR FURTHER DETAILS.
7. SEE THE STANDARD SIGN PLATES FOR FURTHER DETAILS ON ROUTE MARKER SHIELDS.
8. THE SIGN NUMBER IS DENOTED IN THE CIRCLE NEAR EACH DETAIL.
9. NUMBER FRACTIONS FOR INTERCHANGE SEQUENCE SIGNS SHALL BE SERIES "E" PER PLATES A11 AND A11
10. DO NOT SCALE.

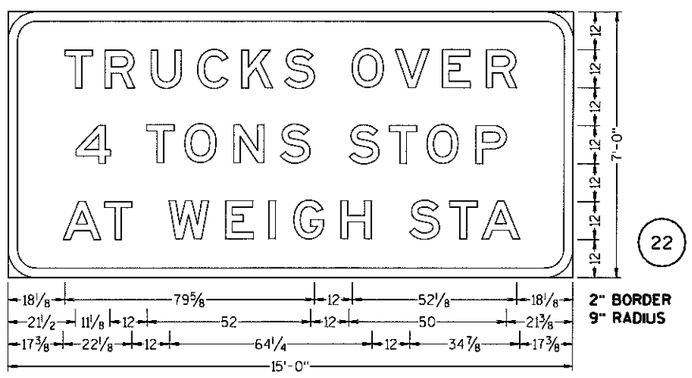
PROJECT NO: 1030-25-74	HWY: IH 94	COUNTY: RACINE	SIGNING DETAIL - TYPE I & II SIGNS	SCALE: 0 ½" 1"	SHEET E



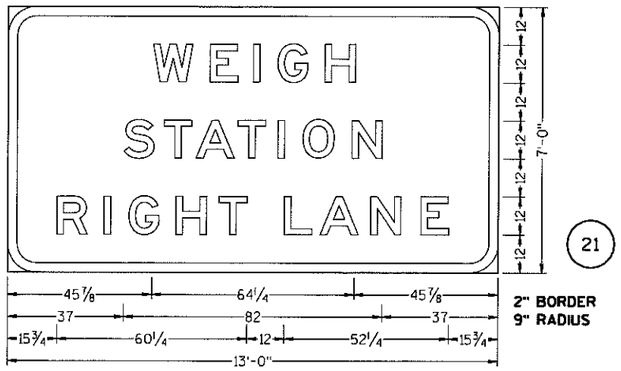




S-51-17 & S-51-18



NOTE:
BACKGROUND - BLACK (NON-REFLECTIVE)
MESSAGE - WHITE



TYPE I&II SIGN GENERAL NOTES

GENERAL NOTES:

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

2. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET ARE "SIGNS, TYPE I".

3. **UNLESS OTHERWISE NOTED, TYPE I SIGNS ON THIS SHEET SHALL HAVE "TYPE SH OR GREATER REFLECTIVE SHEETING" AND TYPE SH MESSAGE MATERIAL". TYPE II SIGNS SHALL HAVE TYPE H SHEETING AND MESSAGE MATERIAL.**

4. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET SHALL HAVE A GREEN BACKGROUND AND WHITE MESSAGE.

5. ALL UPPER CASE MESSAGE (EXCEPT ON SHIELDS OR WHERE OTHERWISE NOTED) SHALL BE "SERIES E, MODIFIED". ALL LOWERCASE MESSAGE WITH AN INITIAL UPPERCASE LETTER SHALL BE "SERIES E, MODIFIED". TYPE II SIGNS SHALL HAVE MESSAGE SERIES E.

6. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET SHALL HAVE "TYPE A" OR "TYPE C" ARROWS AS SHOWN. SEE THE STANDARD SIGN PLATES FOR FURTHER DETAILS.

7. SEE THE STANDARD SIGN PLATES FOR FURTHER DETAILS ON ROUTE MARKER SHIELDS.

8. THE SIGN NUMBER IS DENOTED IN THE CIRCLE NEAR EACH DETAIL.

9. NUMBER FRACTIONS FOR INTERCHANGE SEQUENCE SIGNS SHALL BE SERIES "E" PER PLATES A11 AND A11

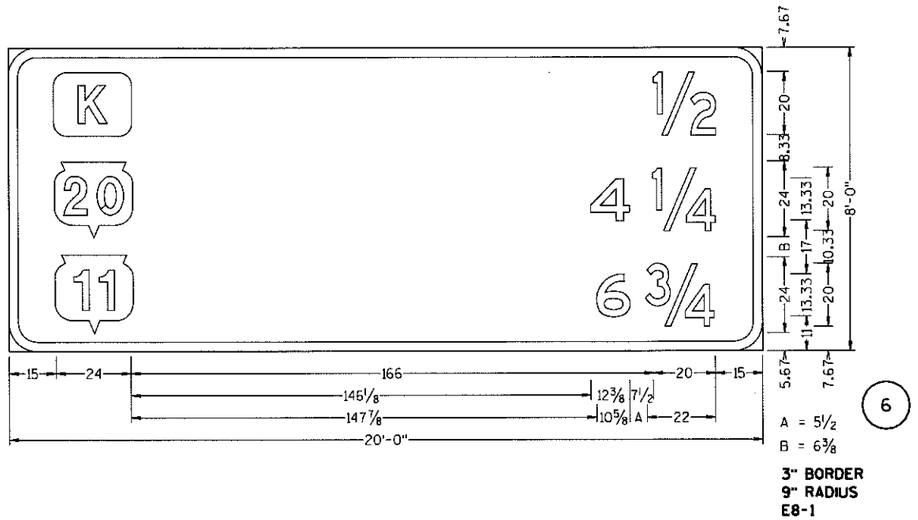
10. DO NOT SCALE.

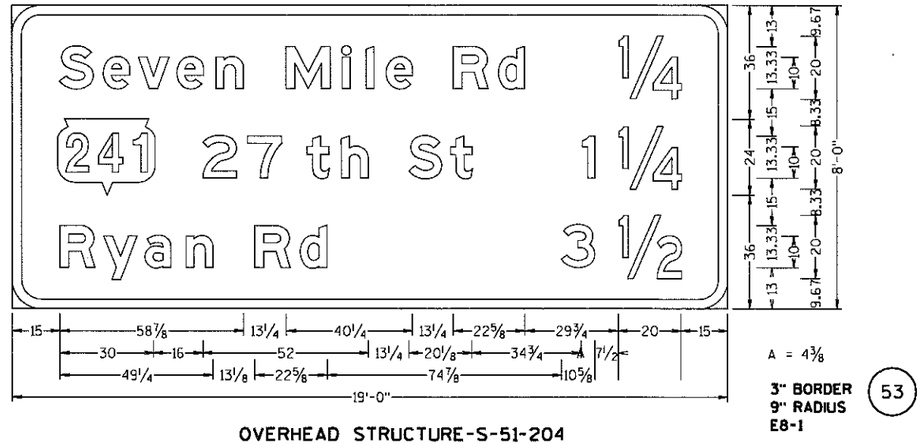
7

7

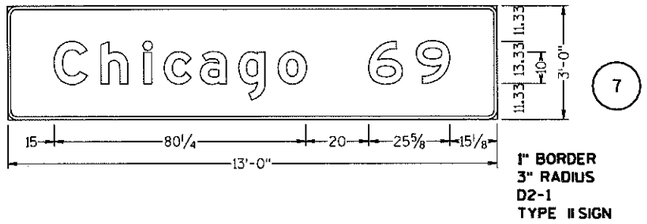
PROJECT NO: 1030-25-74	HWY: IH 94	COUNTY: RACINE	SIGNING DETAIL - TYPE I & II SIGNS	SCALE: 0 ½" 1"	SHEET E

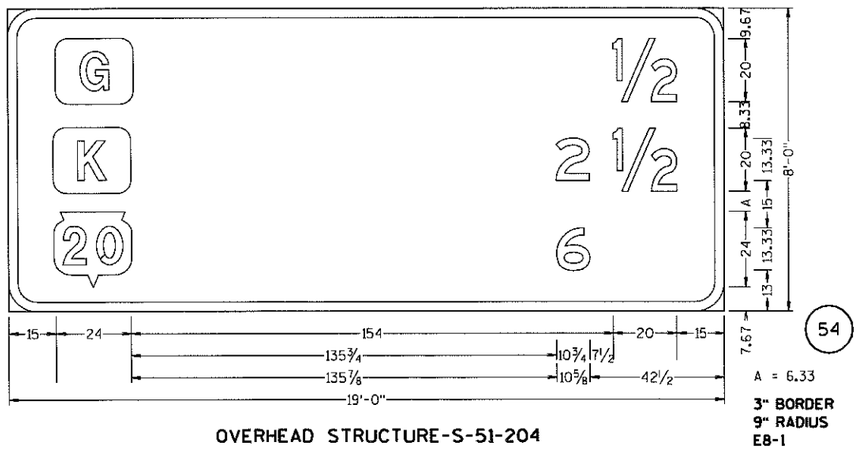
FILE NAME : j:\projects\D2_10302594\Sign\plates.dgn PLOT DATE : 17-FEB-2009 13:22 PLOT BY : dotbgw PLOT NAME : PLOT SCALE : 48.125:1
WISDOT/CADDS SHEET 47





OVERHEAD STRUCTURE-S-51-204





OVERHEAD STRUCTURE-S-51-204

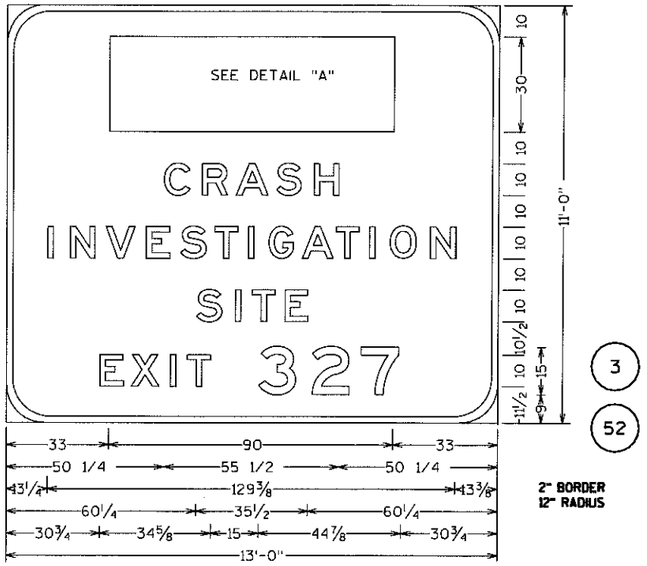
TYPE I&II SIGN GENERAL NOTES

GENERAL NOTES:

1. DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIRMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE PLANS.
2. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET ARE "SIGNS, TYPE I".
3. **UNLESS OTHERWISE NOTED, TYPE I SIGNS ON THIS SHEET SHALL HAVE "TYPE SH OR GREATER REFLECTIVE SHEETING" AND TYPE SH MESSAGE MATERIAL". TYPE II SIGNS SHALL HAVE TYPE H SHEETING AND MESSAGE MATERIAL.**
4. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET SHALL HAVE A GREEN BACKGROUND AND WHITE MESSAGE.
5. ALL UPPER CASE MESSAGE (EXCEPT ON SHIELDS OR WHERE OTHERWISE NOTED) SHALL BE "SERIES E, MODIFIED". ALL LOWERCASE MESSAGE WITH AN INITIAL UPPERCASE LETTER SHALL BE "SERIES E, MODIFIED". TYPE II SIGNS SHALL HAVE MESSAGE SERIES E.
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7. SEE THE STANDARD SIGN PLATES FOR FURTHER DETAILS ON ROUTE MARKER SHIELDS.
8. THE SIGN NUMBER IS DENOTED IN THE CIRCLE NEAR EACH DETAIL.
9. NUMBER FRACTIONS FOR INTERCHANGE SEQUENCE SIGNS SHALL BE SERIES "E" PER PLATES A11 AND A11
10. DO NOT SCALE.

SHEET 3 OF 4

PROJECT NO: 1030-25-74	HWY: IH 94	COUNTY: RACINE	SIGNING DETAIL - TYPE I & II SIGNS	SCALE: 0 ½" 1"	SHEET E

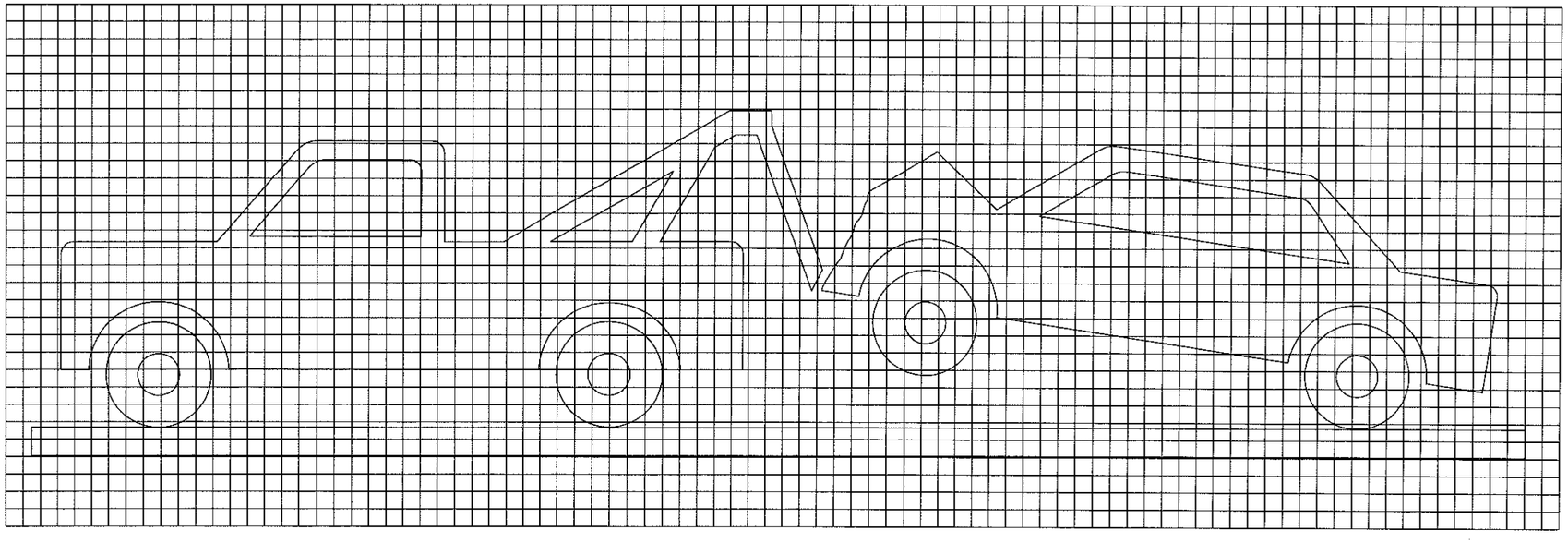


Notes:

1. All signs Type I (except as noted) - Type SH or greater reflecti
   reference WIS DOT Standard Specification for ROAD
   and BRIDGE CONSTRUCTION latest edition.
2. COLOR:

   Background - Blue (except as noted)

   Message - White
3. All CAP Letters are Series E Modified . All upper and lower case letters are Series E Modified. (EXCEPT AS NOTED)
4. Sign numbers shown by ◯



BACKGROUND BLUE
SYMBOL WHITE

DETAIL "A"

7

7

SHEET 4 OF 4

PROJECT NO: 1030-25-74	HWY: IH 94	COUNTY: RACINE	SIGNING DETAIL - TYPE I	SCALE: 0 ½" 1"	SHEET E

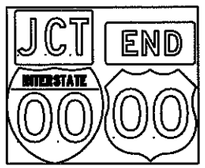
FILE NAME : j:\projects\D2_10302594\Sign\plates.dgn PLOT DATE : 17-FEB-2009 13:22 PLOT BY : dotbgw PLOT NAME : PLOT SCALE : 48.125:1

WISDOT/CADDS SHEET 47

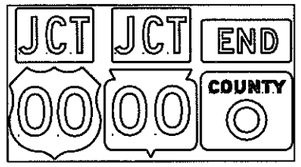
TYPICAL ASSEMBLIES



J1-1



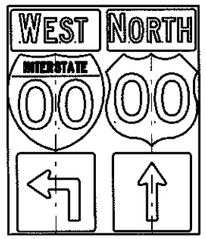
J1-2



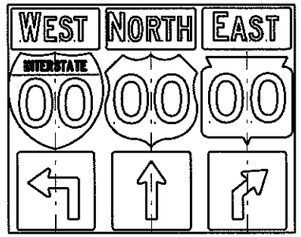
J1-3



J2-1



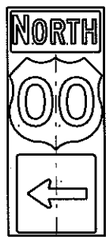
J2-2



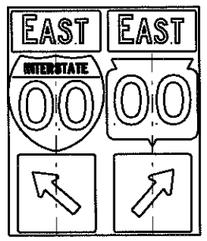
J2-3



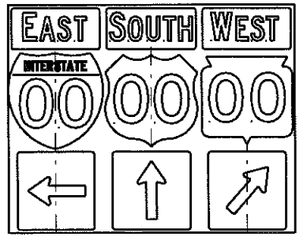
JV



J3-1



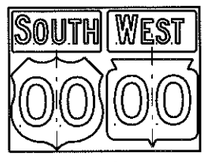
J3-2



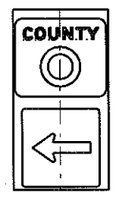
J3-3



J4-1



J4-2



J13-1



J12-1



J32-1



J33-1



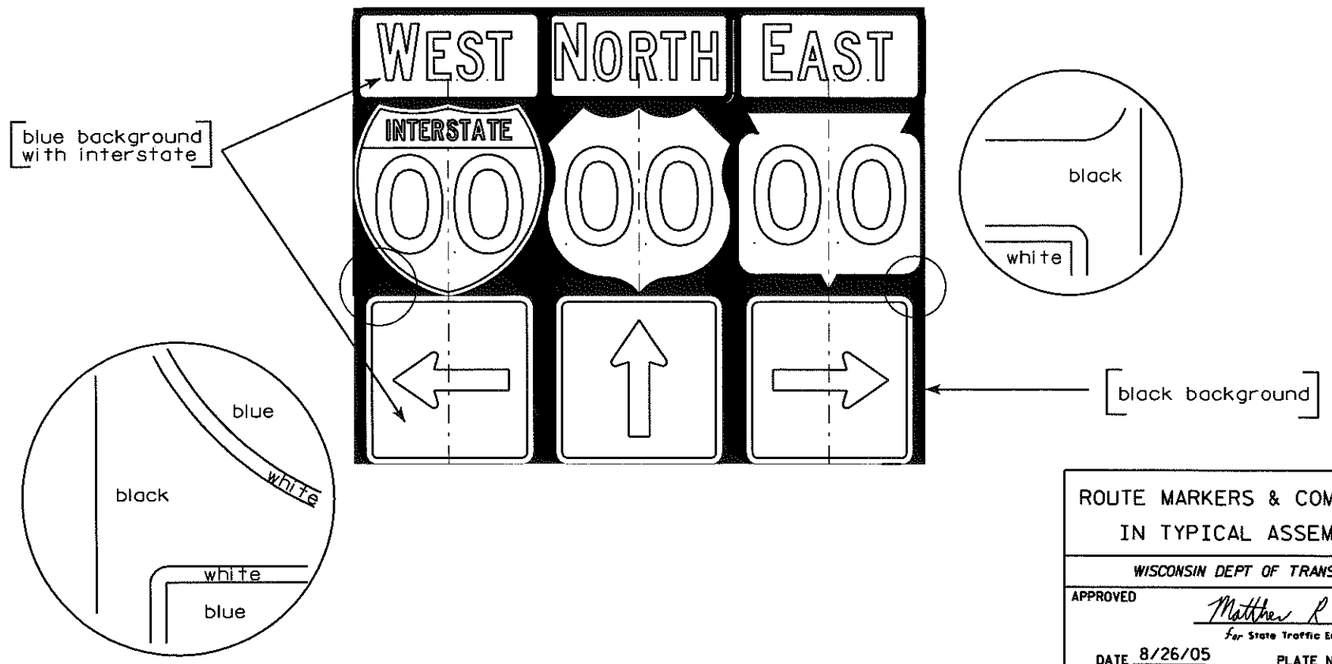
J23-1



J22-1

NOTES

1. Signs are Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Black Non-reflective
   Message - see Note 5
3. Message Series - See Note 5
4. Corners shall be square since base material is plywood.
5. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
6. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 interstate marker shall be blue.
7. Single panel j-assemblies shall only be used with route marker heads that are same size. If the route marker heads are different size use multiple piece component.



ROUTE MARKERS & COMPONENTS IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/26/05 PLATE NO. A2-1S.4

PROJECT NO:

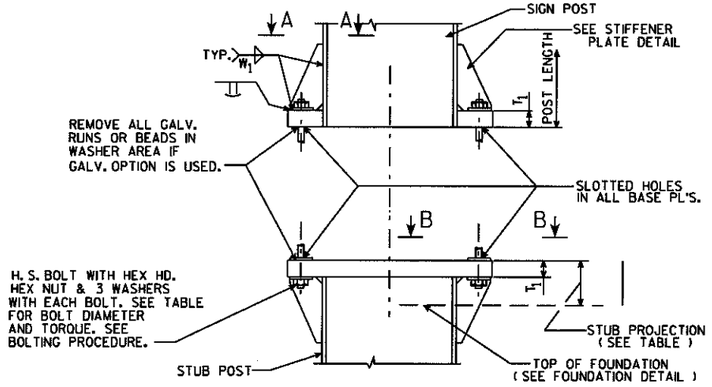
SHEET NO: 235 E

FILE NAME : C:\Users\Projects\tr_stdplate\A21S.DGN PLOT DATE : 28-SEP-2005 07:13 PLOT BY : DOTDZK PLOT NAME :

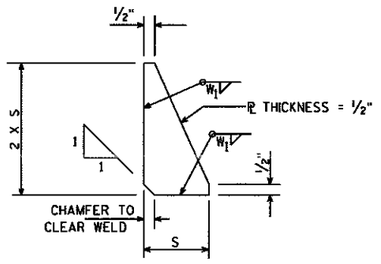
WISDOT/CADDS SHEET 42

7

7

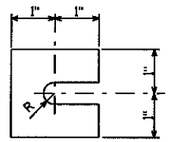


SIGN POST AND STUB POST ELEVATION



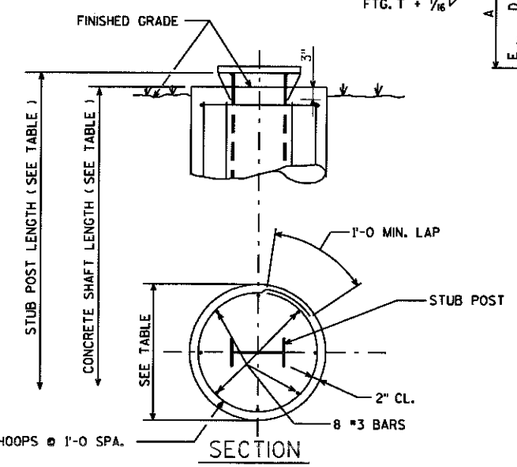
STIFFENER PLATE DETAIL

(SEE TABLE FOR DIMENSIONS)

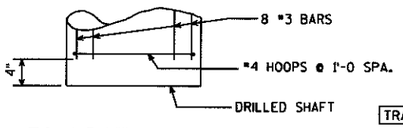


FURNISH 2 @ .012" ± THICK AND 2 @ .032" ± THICK SHIMS PER POST. SHIMS SHALL BE FABRICATED FROM BRASS SHIM STOCK OR STRIP CONFORMING TO A.S.T.M.- B36.

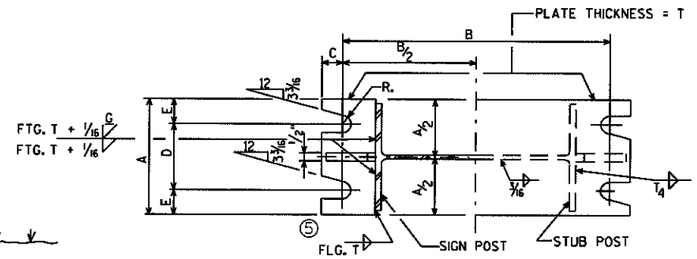
SHIM DETAIL



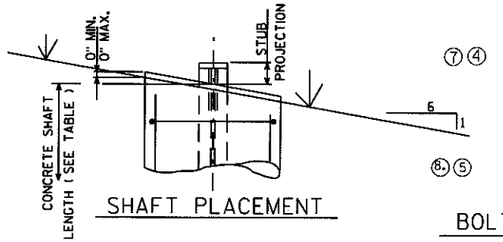
SECTION



FOUNDATION DETAIL



SECTION A-A SECTION B-B



SHAFT PLACEMENT

DESIGN DATA

WIND PRESSURE = 75 M.P.H.
WIND COMPONENTS - NORMAL = 1.0 TRANSVERSE = 0.0
ICE LOAD = 3 P.S.F.

GROUP LOADS	PERCENT OF ALLOWABLE STRESS	
1. DEAD	100	
2. DEAD & WIND	140	
3. DEAD, ICE & 1/2 WIND[Δ]	140	[Δ]25 P.S.F. MIN.

ALLOWABLE SOIL PRESSURE = 1/2T / SQ. FT.
WIND LOAD WAS APPLIED TO THE AREA OF THE SIGN AND TO THE SUPPORTING MEMBERS.
ICE LOAD WAS APPLIED TO ONE FACE OF THE SIGN AND AROUND THE SURFACE OF THE SUPPORTING MEMBERS.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.
DESIGN CONFORMS WITH A.A.S.H.T.O. SPECIFICATIONS 1985.
ALL POSTS, POST STUBS & ATTACHMENTS SHALL BE A.S.T.M. A709 GRADE 50, EXCEPT WHERE CONTRACT REQUIRES A.S.T.M. A709 GRADE 50 W.
IF A709 GRADE 50 MATERIAL IS USED, THE POST, BASE PLATES, UPPER SIX INCHES OF STUB POST, FLANGE SPLICE PLATE AND FUSE PLATE SHALL BE GALVANIZED AFTER FABRICATION.
H.S. BOLTS, WASHERS & NUTS SHALL BE A325 GALVANIZED WHEN POSTS, POST STUBS AND ATTACHMENTS ARE A709 GRADE 50 AND GALVANIZED.
H. S. BOLTS, WASHERS & NUTS SHALL BE A325 TYPE 3 NOT GALVANIZED WHEN CONTRACT REQUIRES A709 GRADE 50 W POSTS, POSTS STUBS AND ATTACHMENTS.

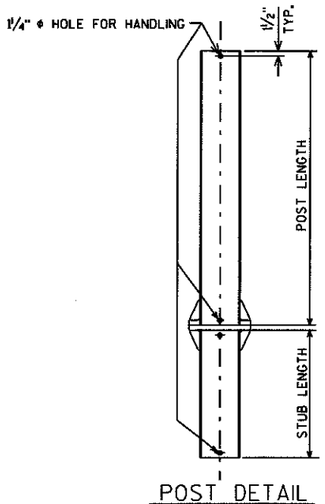
BOLTING PROCEDURE - BASE CONNECTION

1. ASSEMBLE SIGN POST TO STUB POST WITH BOLTS AND ONE OF THE FLAT WASHERS ON EACH BOLT BETW. PLATES.
2. SHIM AS REQ'D. TO PLUMB POST.
3. TIGHTEN ALL BOLTS THE MAXIMUM POSSIBLE WITH 12" OR 15" WRENCH TO BED WASHERS & SHIMS AND TO CLEAN BOLT THREADS, THEN LOOSEN EACH BOLT IN TURN AND RETIGHTEN IN A SYSTEMATIC ORDER TO THE PRESCRIBED TORQUE. (SEE TABLE)
4. BURR THREADS AT JUNCTION WITH NUT USING A CENTER PUNCH TO PREVENT NUT LOOSENING.

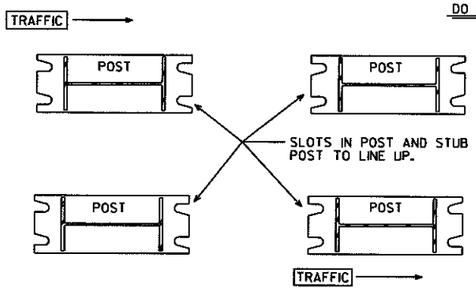
NOTE:
TIGHTEN THE HIGH STRENGTH BOLTS TO THE TORQUE SHOWN. DO NOT OVERTIGHTEN.

QUANTITIES FOR 1 FOOTING		
	CONC. MASONRY C.Y.	REINF. STEEL LBS.
A	0.6	34
B	0.8	49
C	0.9	50
D	0.9	56
⑦ E	1.0	62

REINF.	TYPE	#3	#4
	A	8 @ 4'-5	5 @ 6'-3
	B	8 @ 6'-5	7 @ 6'-3
	C	8 @ 6'-11	7 @ 6'-3
	D	8 @ 7'-5	8 @ 6'-3
⑦	E	8 @ 7'-11	9 @ 6'-3



POST DETAIL



POST SLOT ORIENTATION ⑦

BASE CONNECTION DATA TABLE													FOUNDATION DATA				②
TYPE	DIMENSION / POST SIZE	BOLT SIZE & TORQUE	A	B	C	D	E	T_1	T_4	W_1	R	S	STUB LENGTH	STUB PROJECTION	SHAFT DIAMETER	SHAFT LENGTH	K
④ A	W10"X12.0 #/FT.	3/4" @ @ 75#-FT.	5 1/4"	1'-0 3/8"	7/8"	3 1/2"	7/8"	1"	3/16"	5/16"	5/32"	2 1/8"	3'-6	3"	2'-0 @	5'-0	76.0# ④
④ B	W12"X16.0 #/FT.	7/8" @ @ 85#-FT.	5 1/2"	1'-4 1/4"	1"	3 1/2"	1"	1 1/4"	1/4"	5/16"	5/32"	3"	5'-6	3"	2'-0 @	7'-0	146.5# ④
C	W12"X19.0 #/FT.	7/8" @ @ 85#-FT.	5 1/2"	1'-4 1/4"	1"	3 1/2"	1"	1 1/2"	5/16"	5/16"	5/32"	3"	6'-0	3"	2'-0 @	7'-6	182.1#
D	W12"X22.0 #/FT.	7/8" @ @ 85#-FT.	5 1/2"	1'-4 1/4"	1"	3 1/2"	1"	1 1/2"	3/8"	5/16"	5/32"	3"	6'-6	3"	2'-0 @	8'-0	210.5#
③ E	W12"X26.0 #/FT.	1" @ @ 90#-FT.	7"	1'-4 1/4"	1 1/4"	4"	1 1/2"	1 1/2"	3/8"	5/16"	11/32"	3"	7'-0	3"	2'-0 @	8'-6	293.0# ③

① ⑤ ①

STRUCTURAL CARBON STEEL PAY WTS. (1 POST) = K+ (POST LENGTH X POST WT.)
" K " INCLUDES STUB, BASE PLATES, STIFFS., BOLTS, AND WASHERS.

WISCONSIN DEPT OF TRANSPORTATION
APPROVED Chesta J Spey for State Traffic Engineer
DATE 8/26/97 PLATE NO. A3-1.12

NO.	DATE	REVISION
⑧	10-30-96	NOT GALVANIZED/GALVANIZED
⑦	10-30-92	QUANT., A588 EXCEPT., ADD SLOT VIEW
⑥	8-24-87	BASE CONN. WELD
⑤	10-13-81	BASE CONN. WELD & FUSE PL WASHERS
④	10-19-79	POST A & B, A572 GR. 50, & K
②	11-28-78	"K" ③ 4-23-79 TYPE "E"
①	5-4-78	T_1 , T_2 & W_1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

TYPE A, B, C, D, & E

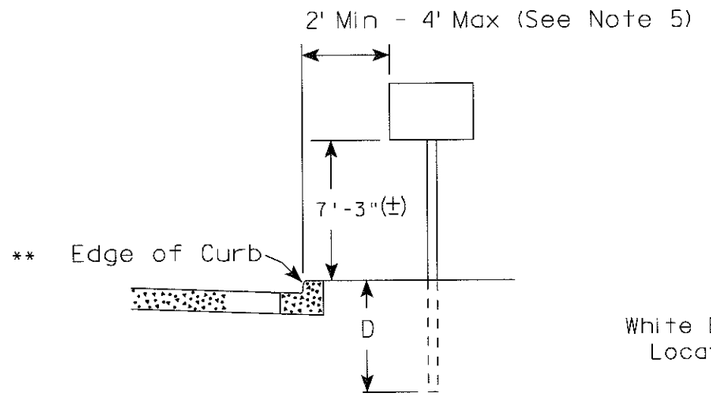
CONST. SPEC.	1989	DRAWN BY	LOY	PLANS CK'D.	

FTG. & SIGN SUPPORT DETAILS GROUND MOUNT BREAK-AWAY SIGNS

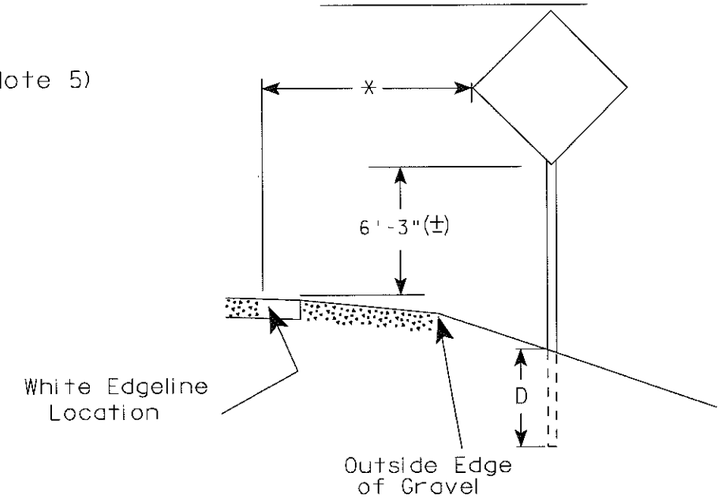
SHEET

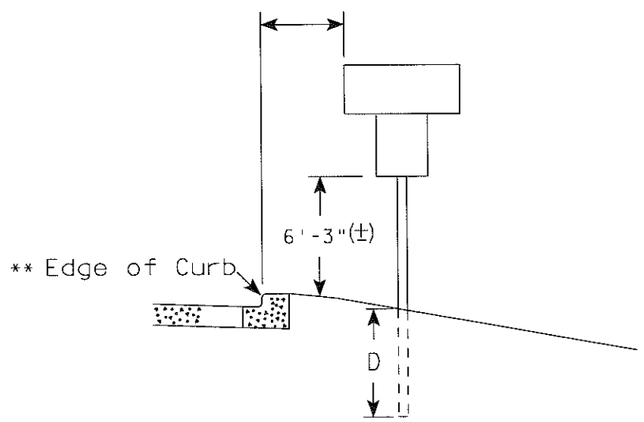
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 236 | E

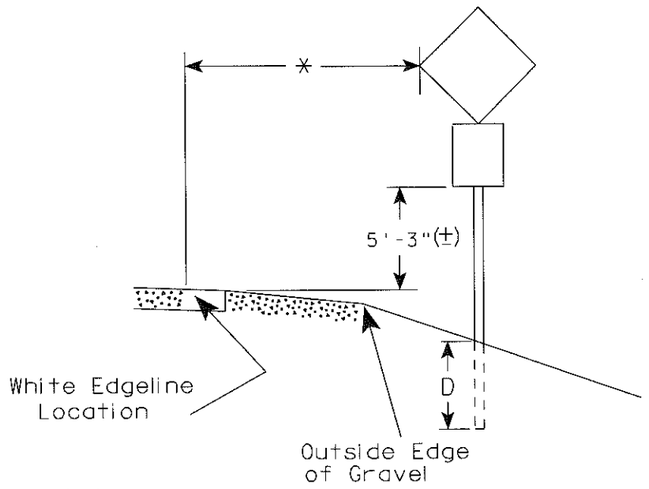
URBAN AREA



RURAL AREA (See Note 2)







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

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

GENERAL NOTES

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

POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

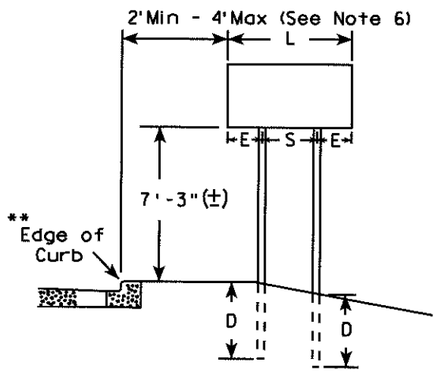
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

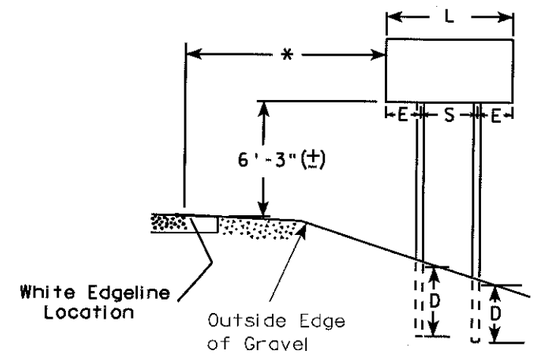
DATE 12/12/07 PLATE NO. A4-3.14

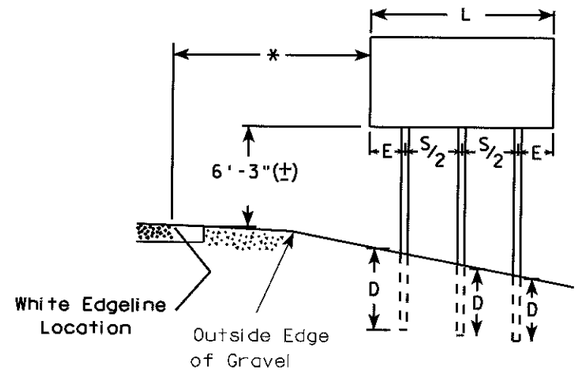
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 237	E

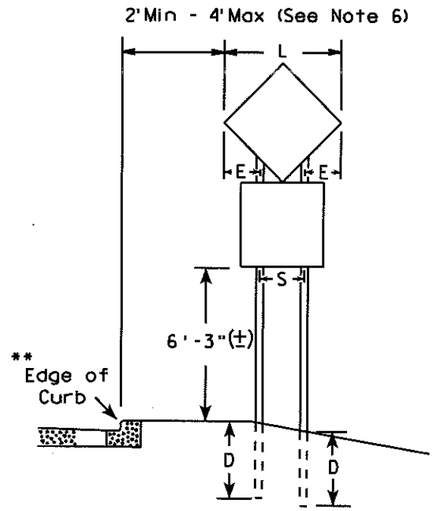
URBAN AREA

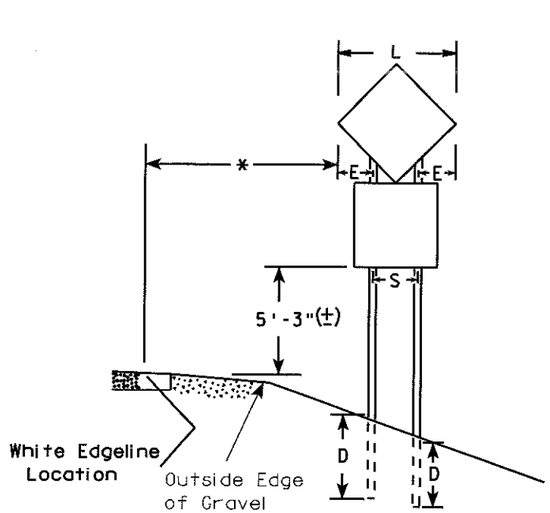


RURAL AREA (See Note 3)









DIAMOND SHAPED SIGNS		
L	S	E
Less than 60"	20"	L/2 - 10
60"--72"	32"	L/2 - 16
Greater than 72"	3 L/5	L/5

SIGN SHAPE OTHER THAN DIAMOND (Two Post Installations)		
L	S	E
Less than 60"	L-24"	12"
60" or more	3 L/5	L/5

POST EMBEDMENT DEPTH

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

GENERAL NOTES

1. For 3 post installations, spacing is S/2 and S must be greater than 7'-0".
2. For 4 post installations, spacing is S/3 and S must be greater than 10'-6".
3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. Minimum mounting height for J assemblies (A4-5) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding stop signs (R1-1F) shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (W1-8A), Clearance Markers (W5-52), Mile Markers (D10 series) & End of Road Markers (W5-56 & W5-56A) shall be mounted at a height of 4"-3" (±).

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

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

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

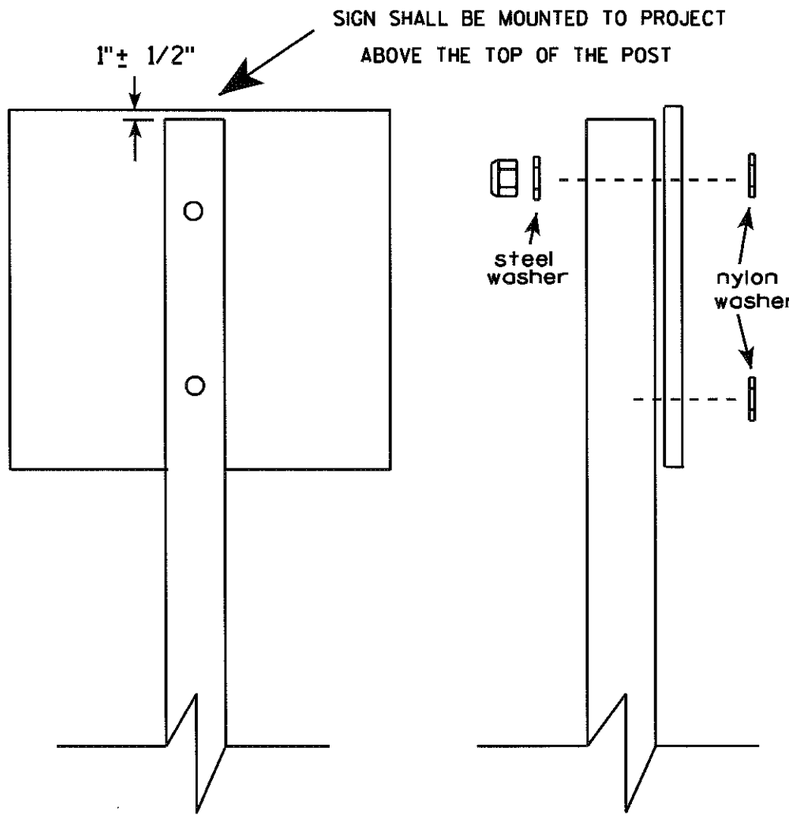
APPROVED Matthew R Rauch
for State Traffic Engineer

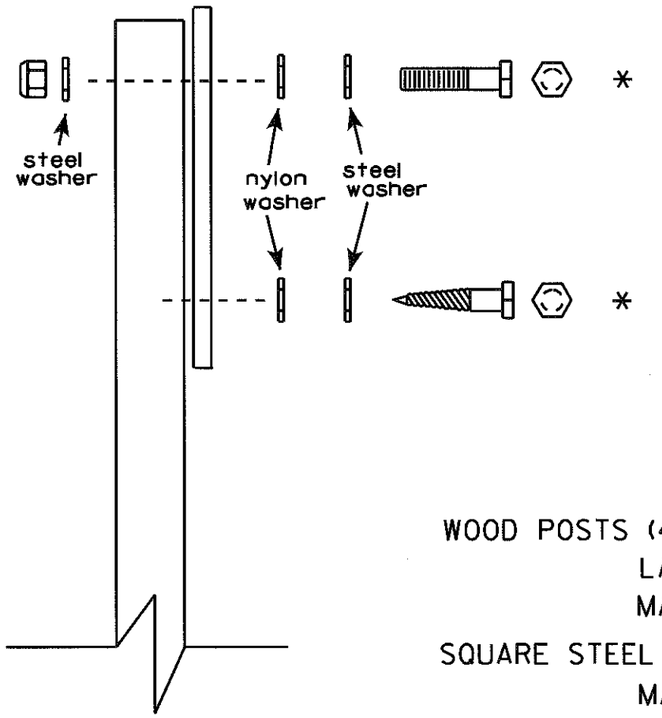
DATE 12/12/07 PLATE NO. A4-4.9

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PROJECT NO: | HWY: | COUNTY: | SHEET NO: 238 | E





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

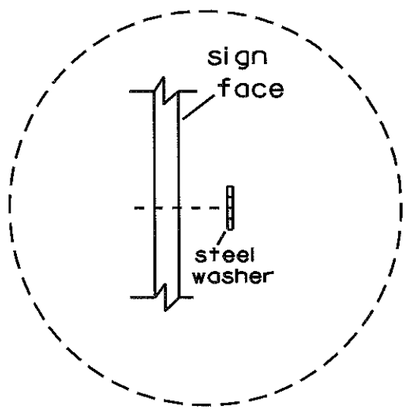
a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D, or
b. Cadmium plated in accordance with ASTM Designation : B 766 TYPE 3, Class 12, or
c. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

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

WOOD POSTS (4" x 4" or 4" x 6")
LAG SCREWS - 3/8" X 3"
MACHINE BOLTS - 5/16" X 6-1/2" or 7" Length w/ nuts

SQUARE STEEL POSTS (2" x 2")
MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts

WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON for all Type H signs.



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

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

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

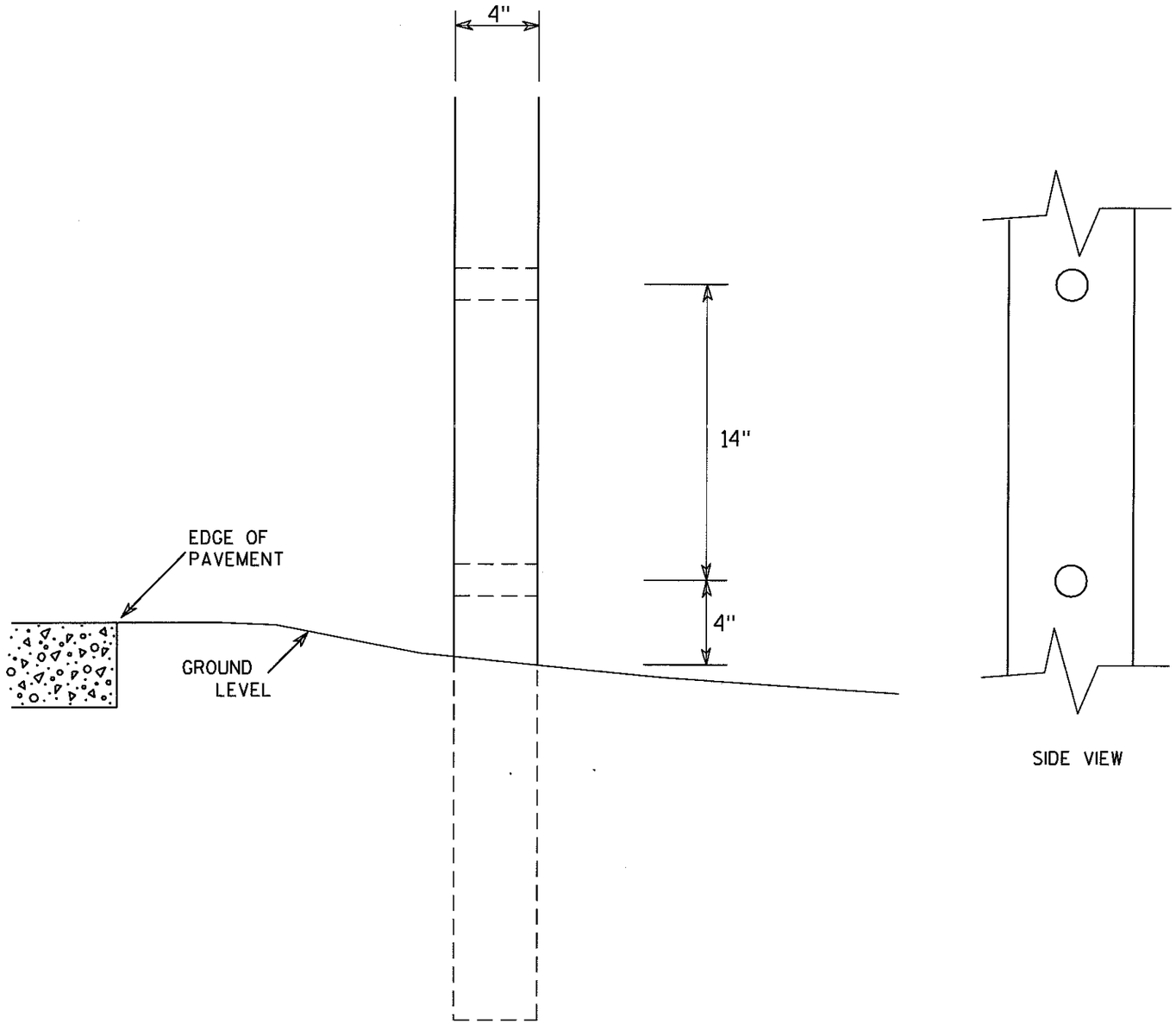
DATE 8/30/06 PLATE NO. A4-8.6

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PROJECT NO:

SHEET NO: 239 E



SIDE VIEW

GENERAL NOTES

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

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4 X 6 WOOD POST MODIFICATIONS

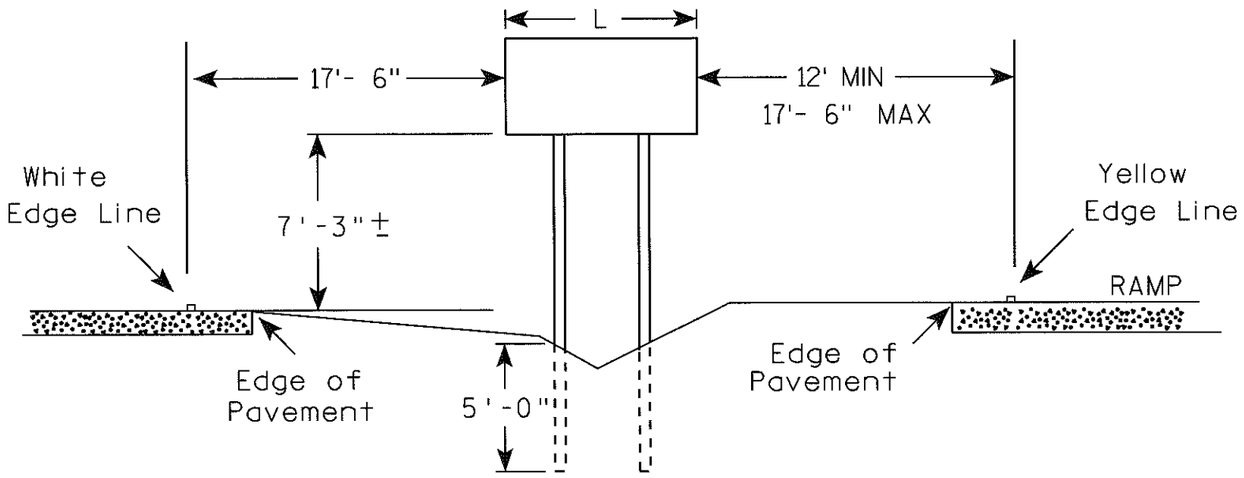
WISCONSIN DEPT OF TRANSPORTATION

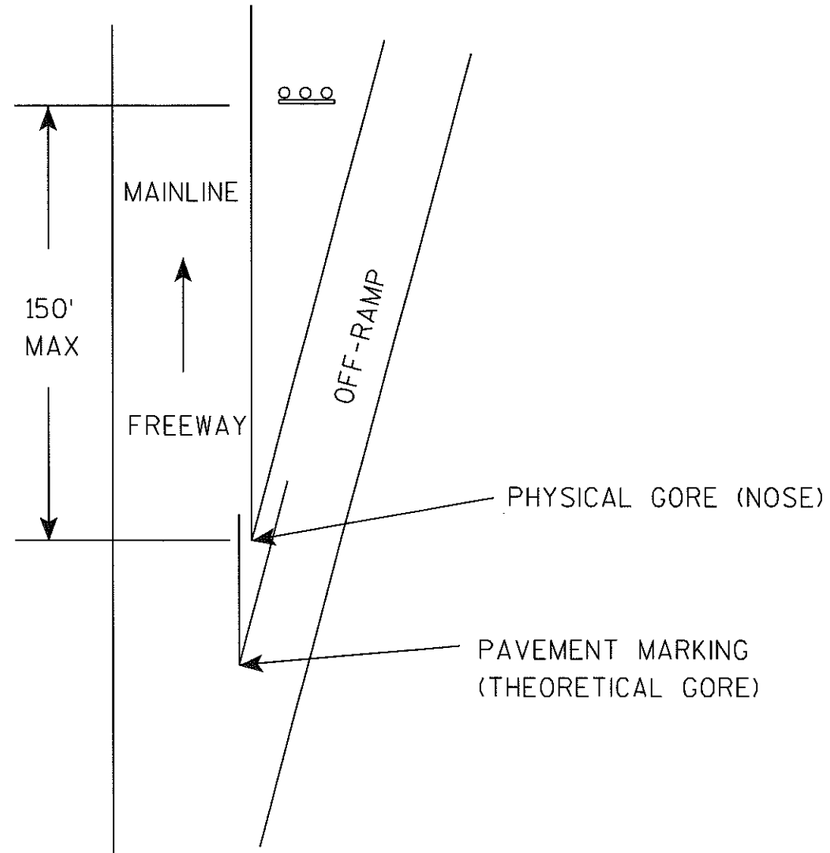
APPROVED Chester J Spang
for State Traffic Engineer

DATE 3/27/97 PLATE NO. A4-11.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 240	E

FILE NAME : C:\Users\Projects\tr_stdplate\A411.DGN PLOT DATE : 10-NOV-2005 10:09 PLOT BY : DOTSJA PLOT NAME : PLOT SCALE : 6.207338:1.000000





GENERAL NOTES

1. The 150 foot distance from the physical gore (where pavement ends) will normally provide the offsets as shown.
2. If roadway geometrics permit, the sign may be closer than the 150 foot distance as long as the offsets are maintained.
3. At no time shall the location be greater than 150 feet. If the normal offsets cannot be maintained, they can be reduced to 6 feet from the edge of the paved shoulder (both freeway and ramp).
4. The offset from edge of sign to the yellow edge line on the ramp is shown as a minimum of 12 feet and a maximum of 17 feet, 6 inches. Preference is adhering to the maximum rather than the minimum dimension.
5. When L is equal to or exceeds 9 feet, use 3 posts as per A4-4.
6. The (∓) tolerance for the mounting height is 3 inches.

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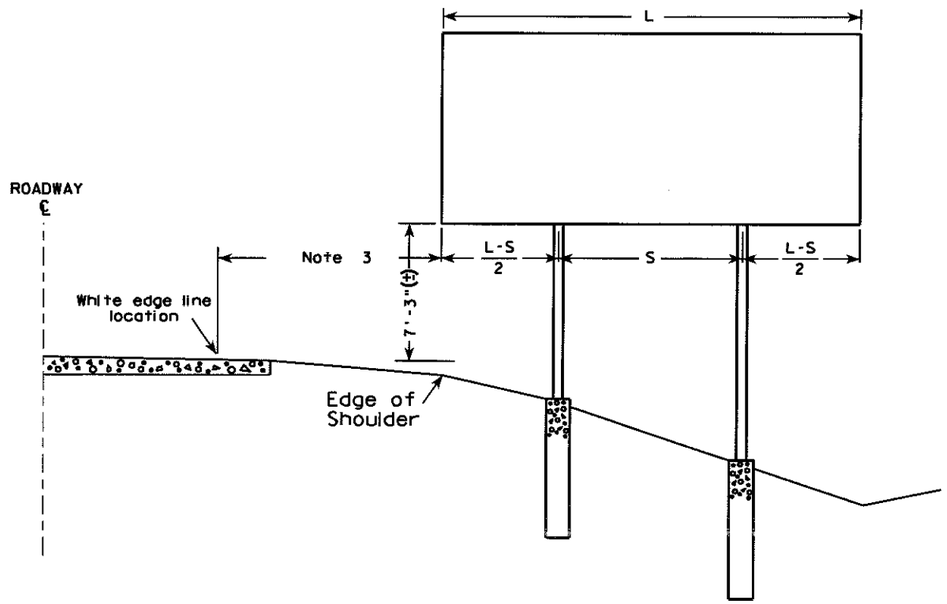
TYPICAL INSTALLATION
OF TYPE II SIGNS ON
WOOD POSTS IN GORE

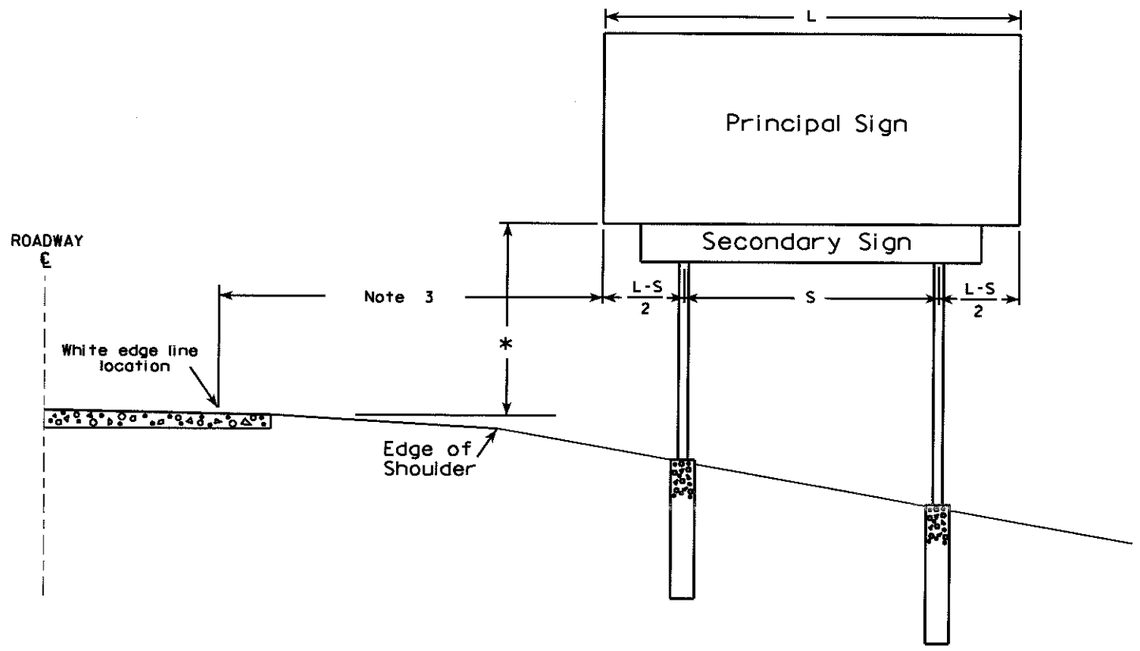
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang
for State Traffic Engineer

DATE 4/4/00 PLATE NO. A4-2.2

PROJECT NO: | SHEET NO: 241 | E





GENERAL NOTES

1. For a 2 post installation, S equals 3L/5, but shall not be less than 9 ft.
2. For a 3 post installation, S equals 5L/7, but shall not be less than 18 ft., and the space between any two posts shall not be less than 9 ft.
3. Unless noted in the plan, the sign offset distance shall be a minimum of 17'-6", desirable 30'-0".
4. The (±) tolerance shown on this sheet is 3 in.
5. The vertical sign height clearance detailed is measured from the bottom of the sign to the near edge of pavement.
6. Post lengths shown in the miscellaneous quantities are estimated lengths. The contractor shall verify post lengths at the time of final grading.
7. Refer to the Traffic Guidelines Manual for further guidance on minimum vertical clearance requirements.

* Clearance is 8'-3"(±) when the secondary sign is 3 ft. or less in height. For secondary signs larger than 3 ft., the clearance to the bottom of the secondary sign shall be 5'-3"(±).

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TYPICAL INSTALLATION
OF TYPE I SIGNS

WISCONSIN DEPT OF TRANSPORTATION

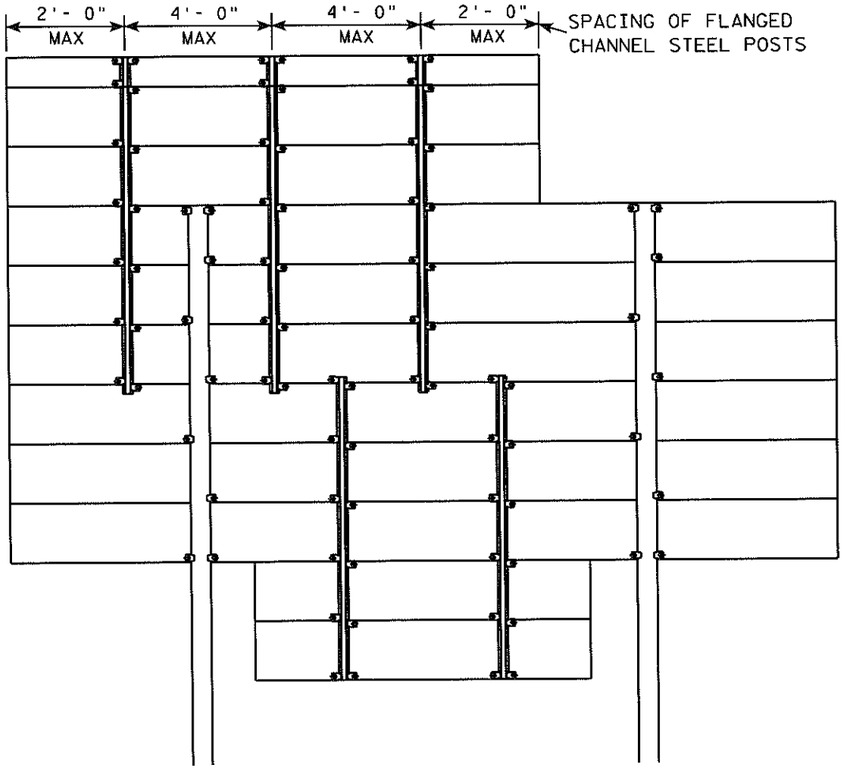
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/02/08 PLATE NO. A4-1.9

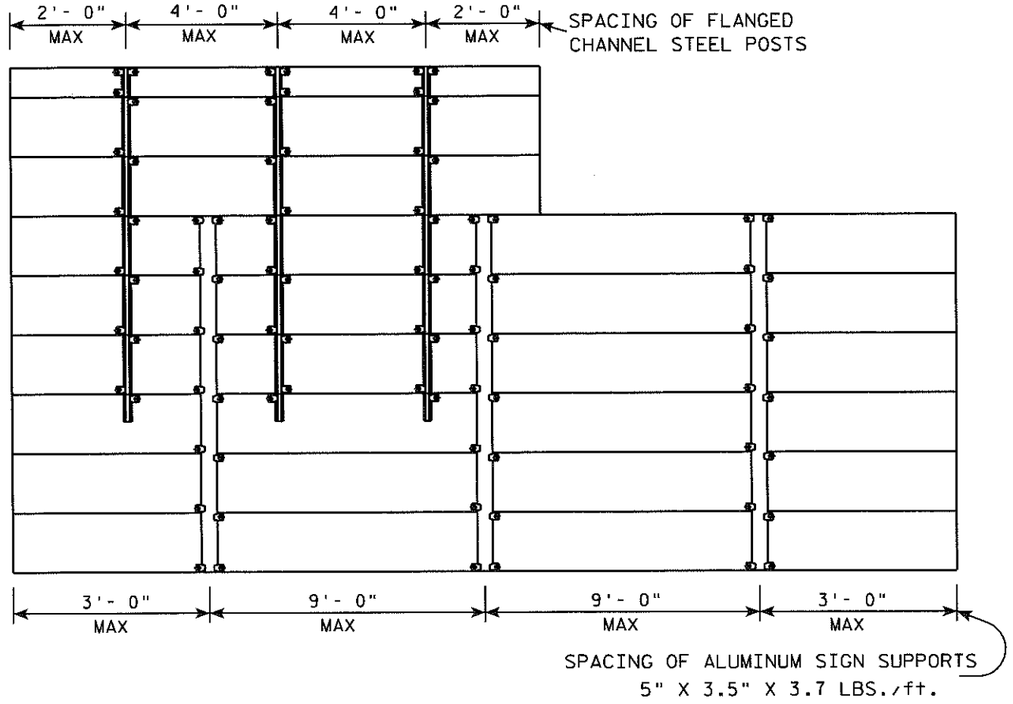
PROJECT NO:

SHEET NO: 242 E

GROUND MOUNTED SIGN



SIGN BRIDGE MOUNTED SIGN



GENERAL NOTES

1. Flanged channel steel posts shall conform to section 633 of STANDARD SPECIFICATIONS and shall be considered as incidental to other items in the contract.

2. Number of Flanged channel steel supports varies with length of panel and shall be spaced as shown:

   PANEL LENGTH 8'-0" OR LESS = 2 CHANNELS
   PANEL LENGTH 9'- 0" - 12'- 0" = 3 CHANNELS
   PANEL LENGTH 13'- 0" OR MORE = 4 CHANNELS

   If the flanged channel steel posts can not be horizontally spaced as shown, they can be moved so as to securely hold the sign.

3. The EXIT NUMBER PANEL shall normally be positioned above the guide sign aligned with the right edge of the guide sign. If the guide sign indicates a left exit, the EXIT NUMBER PANEL shall be aligned with the left edge of the guide sign.

4. If the bolt holes in the top panel (EXIT NUMBER), or sub panel (NEXT EXIT) line up with holes in main sign panel, stitch bolts shall be used in addition to the channels.

5. Provide post clips for each sign as shown. (Please note the differences between a ground mounted versus Sign bridge mounted sign as far as number of clips required on the main supports or beams)

ATTACHMENT OF GUIDE SIGNS TO SUPPORTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/23/04 PLATE NO. A4-6.10

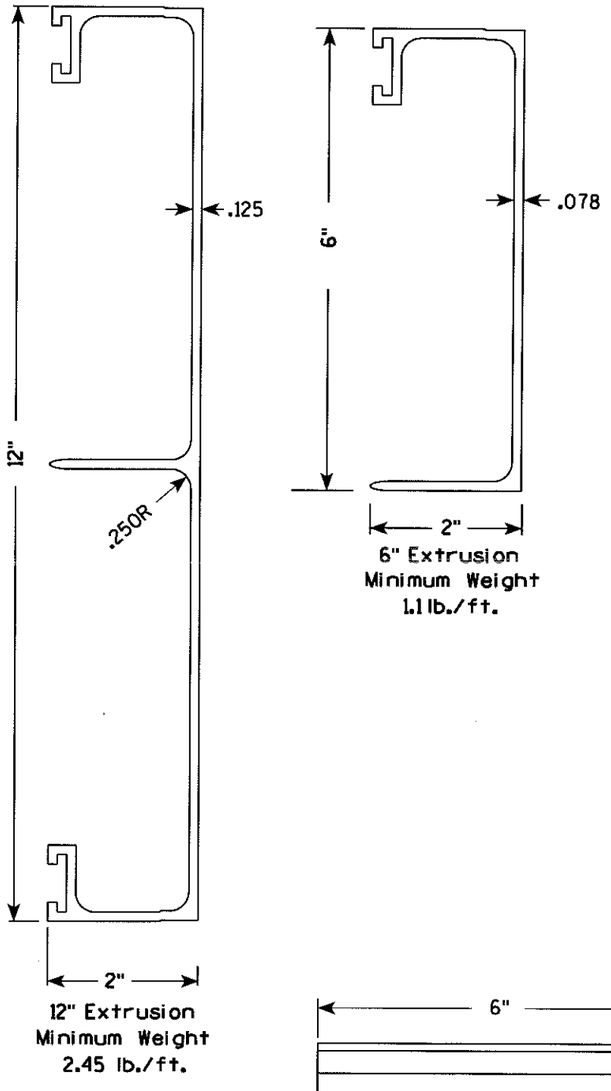
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PROJECT NO:

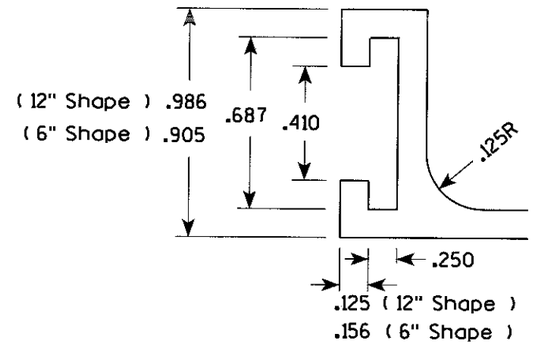
SHEET NO: 243 E

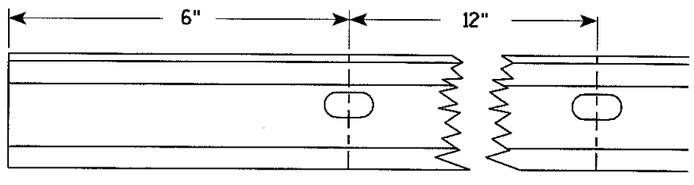
Extruded Shape



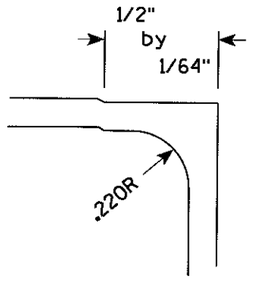
12" Extrusion
Minimum Weight
2.45 lb./ft.

6" Extrusion
Minimum Weight
1.1 lb./ft.





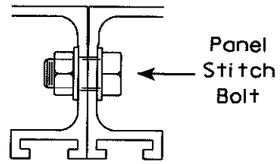
Punch 7/16" x 7/8" oval holes beginning 6" in from end of extrusion 12" CC on both edges of 6" and 12" panels.



Hardware

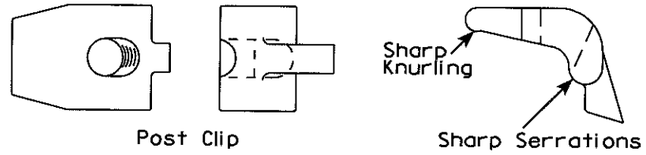
STITCH BOLT, WASHER & NUT

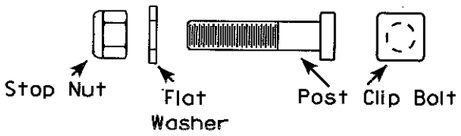
The hardware includes:
- 3/8 " - 16 X 3/4 " Economy Bolt 2024-T4 alloy
- 3/8 " - Stainless steel stop nut
- 3/8" X .064 Flat Washers, Alclad 2024-T4 alloy



POST CLIP, POST CLIP BOLT, WASHER & NUT

Post Clip shall be Alum. Alloy 356-T6
Post Clip Bolt shall be Stainless Steel.
Flat washer shall be 3/8" X .091, Stainless Steel.
Stop nut shall be stainless steel.





NOTES

1. The contractor may select any brand of extrusion that conforms to the illustrations or meets with the approval of the engineer, but all extrusions used on this contract shall be of the same brand.
2. Panel Stitch Bolts shall be used to assemble adjacent panels. Maximum stitch bolt spacing shall be 24" C-C, and a minimum of 4 bolts shall be used to connect any two extrusions.
3. Post Clips shall be used to attach the sign panel to the sign support.

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ALUMINUM EXTRUSIONS FOR TYPE I SIGNS

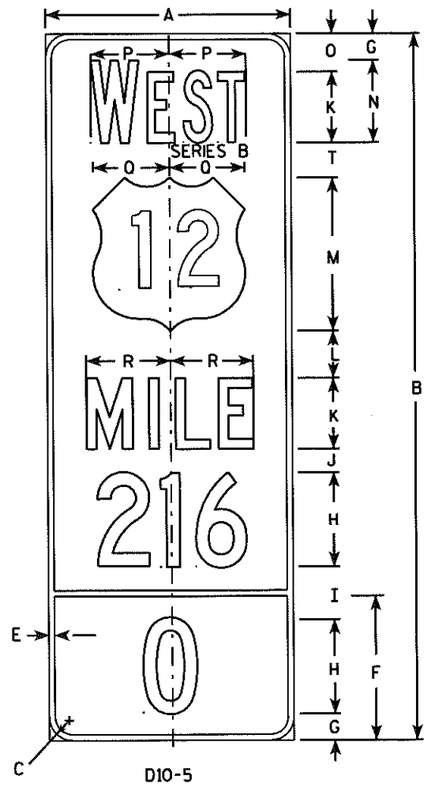
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang
for State Traffic Engineer

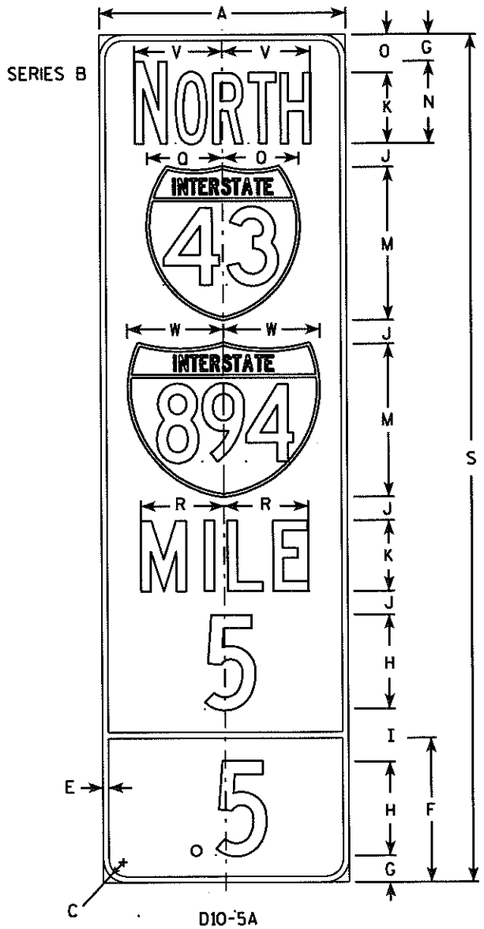
DATE 11/18/99 PLATE NO. A5-2.9

PROJECT NO:

SHEET NO: 244 E



D10-5



D10-5A

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - BLUE
   Message - WHITE
3. Interstate Shield Color
   Background - Top Red
   - Bottom Blue
   Message - White
4. Message Series - C or as noted on the Sign.
5. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
6. The decimal point is required for all digits except "0".
7. Optically adjust mileage numbers about the centerline of the sign to achieve proper balance.



SERIES B



SERIES B

Metric equivalent for this sign is:		Metric equivalent for this sign is:	
SIZE	D10-5	SIZE	D10-5A
1		1	
2		2	
3		3	
4	525 mm X 1500 mm	4	525 mm X 1950 mm
5	525 mm X 1500 mm	5	525 mm X 1950 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	D10-5 Area sq. ft.	D10-5 Area m2	D10-5A Area sq. ft.	D10-5A Area m2
1																														
2																														
3																														
4	21	60	1 1/2		1/2	12 1/4	2 1/4	8	4 1/2	2	6	4	13	7	3 1/4	6 5/8	6 1/2	7 1/8	72	3		7 1/2	8 1/4				8.75	0.79	10.5	1.03
5	21	60	1 1/2		1/2	12 1/4	2 1/4	8	4 1/2	2	6	4	13	7	3 1/4	6 5/8	6 1/2	7 1/8	72	3		7 1/2	8 1/4				8.75	0.79	10.5	1.03

STANDARD SIGN
D10-5

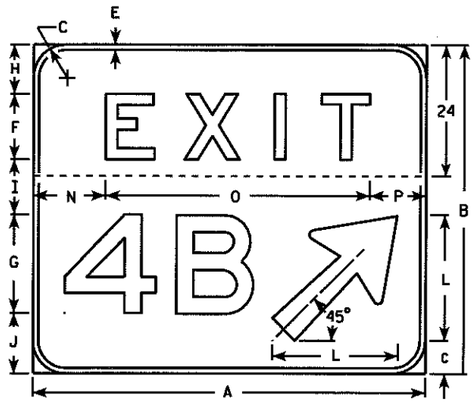
WISCONSIN DEPT OF TRANSPORTATION

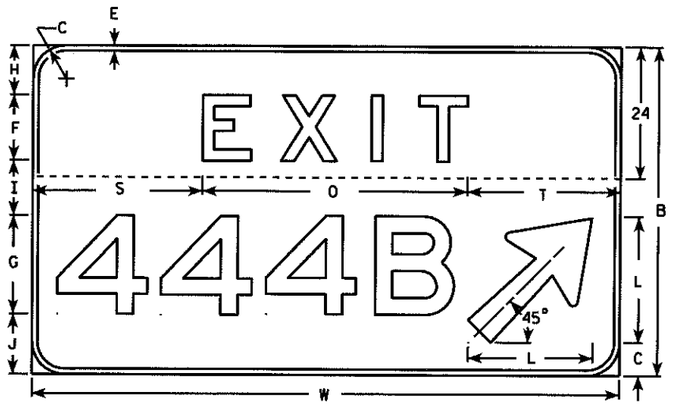
APPROVED Matthew R Rauch
for State Traffic Engineer

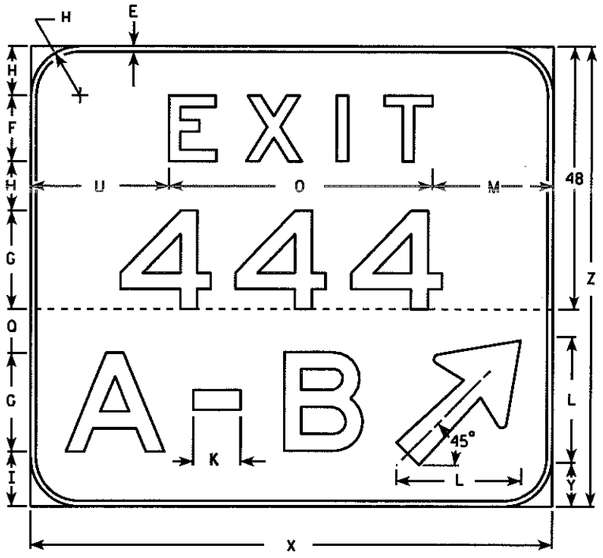
DATE 3/09/05 PLATE NO. D10-5.1

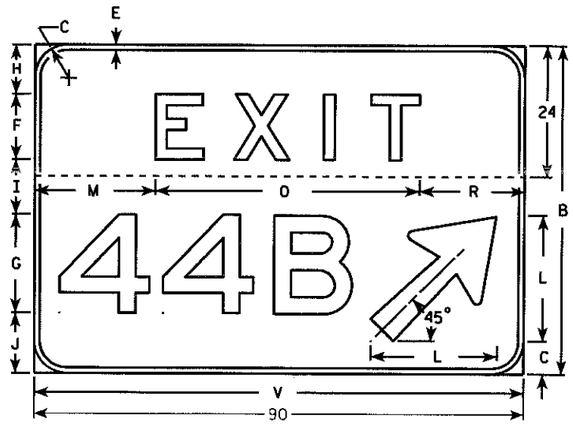
PROJECT NO:

SHEET NO: 245 E









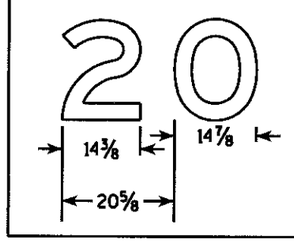
NOTES

1. Sign is Type II - Type H reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Green
   Message - White (Type H reflective)
3. Message Series - E
4. Corners may be square or rounded but the border shall be rounded as shown.
5. Base material for this sign shall be plywood and shall be split into two seperate pieces as shown on each detail by the dashed line (----------).
6. Arrow is Type "A" from sign plate A1-1.
7. Substitute appropriate message, space per the table and adjust placement on sign to achieve proper balance.
8. When two letters are hyphenated, the distance between them should be equal to two letter heights and the hyphen is spaced optically between them.
9. As per the Standard Spec's, these signs shall not have a vertical joint.

SPACING CHART FOR 18" NUMERALS

NUMBERS	WIDTH	0	1	2	3	4	5	6	7	8	9	A	B	C
0	14 7/8	21 5/8	21 5/8	21 1/4	20 3/8	21 1/4	21 1/4	21 5/8	19 7/8	22 1/8	21 5/8	19 7/8	22 1/8	22 1/8
1	5 7/8	14	14	14	13 1/8	12 1/8	14	14	12 1/4	14	14	9 7/8	14	14
2	14 3/8	20 5/8	21 1/8	20 5/8	19 3/4	20 1/4	20 5/8	20 5/8	18 7/8	21 1/8	20 5/8	20 1/4	21 1/8	21 1/8
3	14 3/8	20 3/4	21 1/8	20 3/4	20 1/4	19 3/4	20 3/4	20 3/4	19 3/8	21 1/8	20 3/4	20 1/4	21 1/8	21 1/8
4	16 5/8	22 7/8	22	22 1/2	21 5/8	21 5/8	22 7/8	22 7/8	20 5/8	23 3/8	22 7/8	22 1/2	23 3/8	23 3/8
5	14 1/4	20 5/8	20 5/8	20 1/8	18 3/4	18 3/4	20 5/8	20 5/8	18 3/8	20 5/8	20 5/8	19 1/4	20 5/8	20 5/8
6	14 1/2	21 1/4	20 3/4	20 3/4	19 7/8	19 1/2	20 3/8	20 3/4	19	20 3/4	20 3/8	18	20 3/4	20 3/4
7	14 3/8	19 3/4	19 3/4	20 1/4	19 3/4	17	19 3/4	20 5/8	18 7/8	20 5/8	19 3/4	20 1/4	20 5/8	20 5/8
8	14 1/4	21 1/2	21 1/2	20 5/8	19 1/4	19 3/4	20 5/8	21 1/2	19 5/8	21 1/2	20 5/8	19 1/4	21 1/2	21 1/2
9	14 1/2	21 1/4	21 1/4	20 7/8	20	20 7/8	20 7/8	21 1/4	19 1/2	21 3/4	21 1/4	18	21 3/4	21 3/4
A	18	19 3/4	19 3/4	20 1/4	19 3/4	17	19 3/4	20 5/8	18 7/8	20 5/8	19 3/4	21 5/8	23 7/8	23
B	14 1/4	21 1/2	21 1/2	20 5/8	19 1/4	19 3/4	20 5/8	21 1/2	19 5/8	21 1/2	20 5/8	19 1/2	22 3/8	21 1/2
C	14 1/4	21 1/4	21 1/4	20 7/8	20	20 7/8	20 7/8	21 1/4	19 1/2	21 3/4	21 1/4	18 3/8	21	19 3/4

EXAMPLE FOR USING SPACING CHART



Metric equivalent for this sign is:

PHY. SIZE		
72 X 60	1800 mm X 1500 mm	1-2 Digit
90 X 60	2250 mm X 1500 mm	3 Digit
108 X 60	2700 mm X 1500 mm	4 Digit
96 X 84	2400 mm X 2100 mm	5 Digit

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
2																										
3																										
4																										
5	72	60	6		1	12	18	9	10	11	8 7/8	23	22 1/4	13 1/4	48 1/2	10 1/4	8	19 1/4	31 1/4	28 1/4	25 1/4	90	108	96	7 1/2	84

1-2 Digit Bid Area	3 Digit Bid Area	4 Digit Bid Area	5 Digit Bid Area
Sq. Ft.			
30	37.5	45	56
m2			
2.70	3.38	4.05	5.04

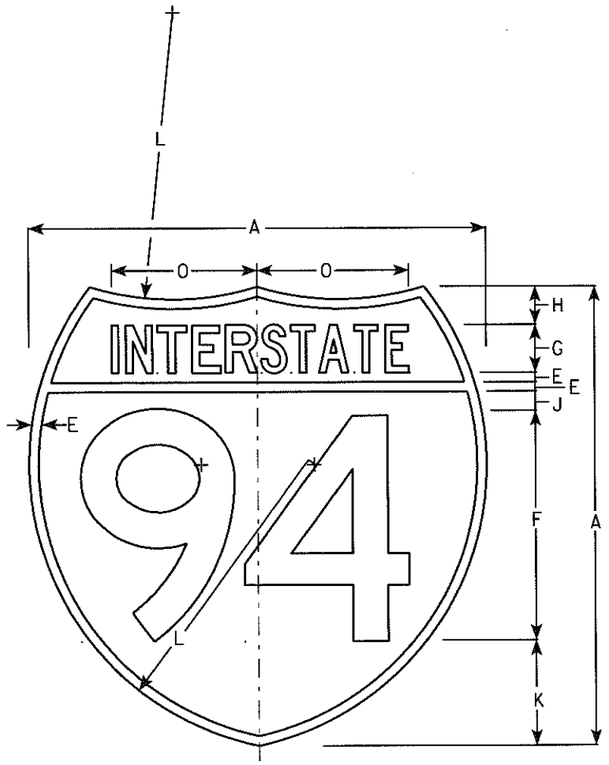
STANDARD SIGN
E5-1A

WISCONSIN DEPT OF TRANSPORTATION

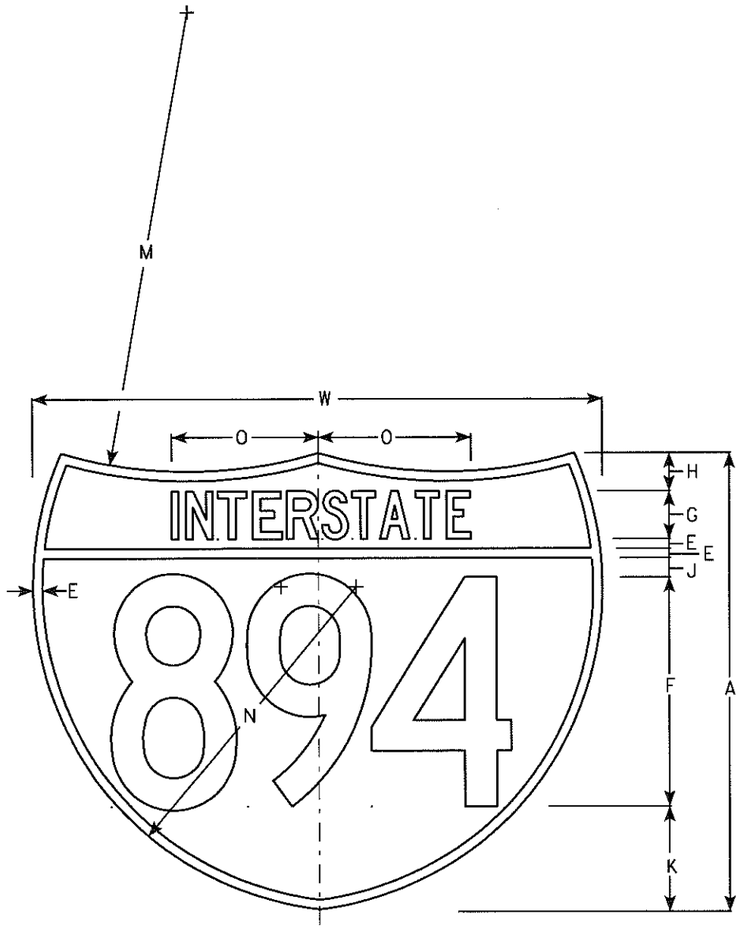
APPROVED Chester J Spagg for State Traffic Engineer

DATE 3/16/01 PLATE NO. E5-1A.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 246 | E



M1-1



M1-1A

NOTES

1. Sign is Type II - See Note 6 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Top Red - Bottom Blue (See Note 6)
   Message - White - See Note 6
3. Message Series - See note 5
4. Substitute appropriate numerals & ajust spacing as per plate A10-1.
5. M1-1 - Numerals - D
   Interstate - C
   M1-1A - All copy - C
6. Permanent Signs
   Message - Type H Reflective
   Detour or other temporary signs
   Background - Reflective
   Message - Reflective

Metric equivalent for these signs are:

SIZE	M1-1	SIZE	M1-1A
1			
2	600 mm X 600 mm	2	600 mm X 750 mm
3	900 mm X 900 mm	3	900 mm X 1125 mm
4	900 mm X 900 mm	4	900 mm X 1125 mm
5	900 mm X 900 mm	5	900 mm X 1125 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	M1-1 Area sq. ft.	M1-1A Area sq. ft.	M1-1 Area m2	M1-1A Area m2
1																													
2	24				1/2	12	2 1/2	2		1	5 1/2	15	24	17	7 7/8								30			3.13	3.91	.36	.46
3	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79	.81	1.05
4	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79	.81	1.05
5	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79	.81	1.05

INTERSTATE ROUTE MARKER
M1-1 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

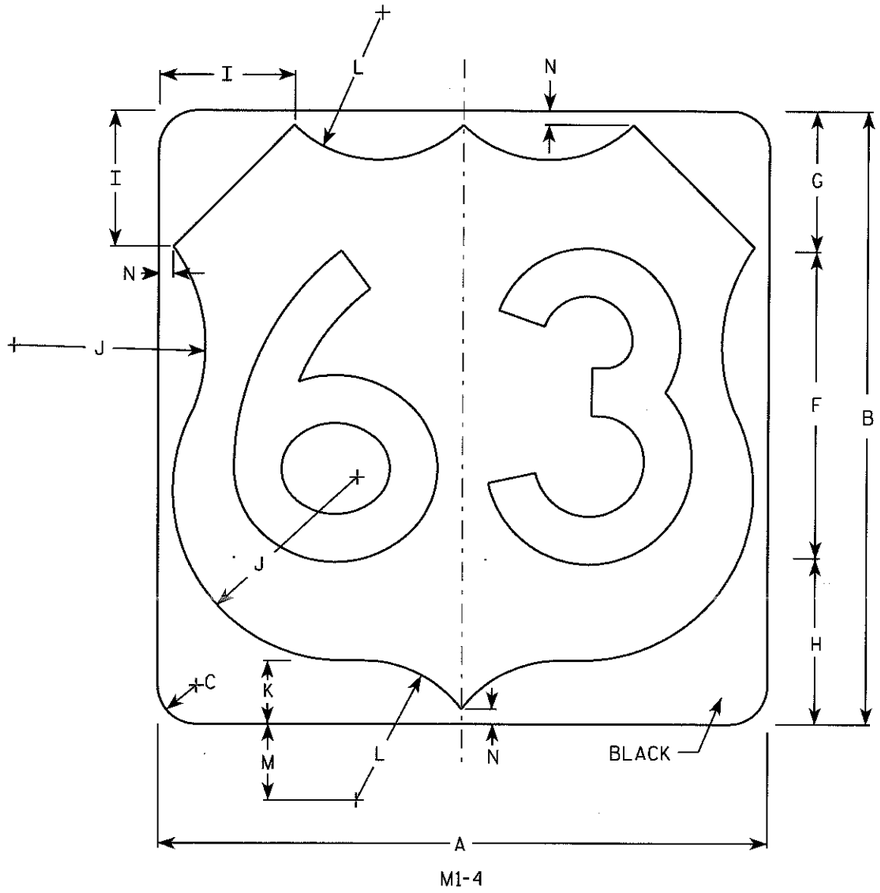
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 08/23/05 PLATE NO. M1-1.8

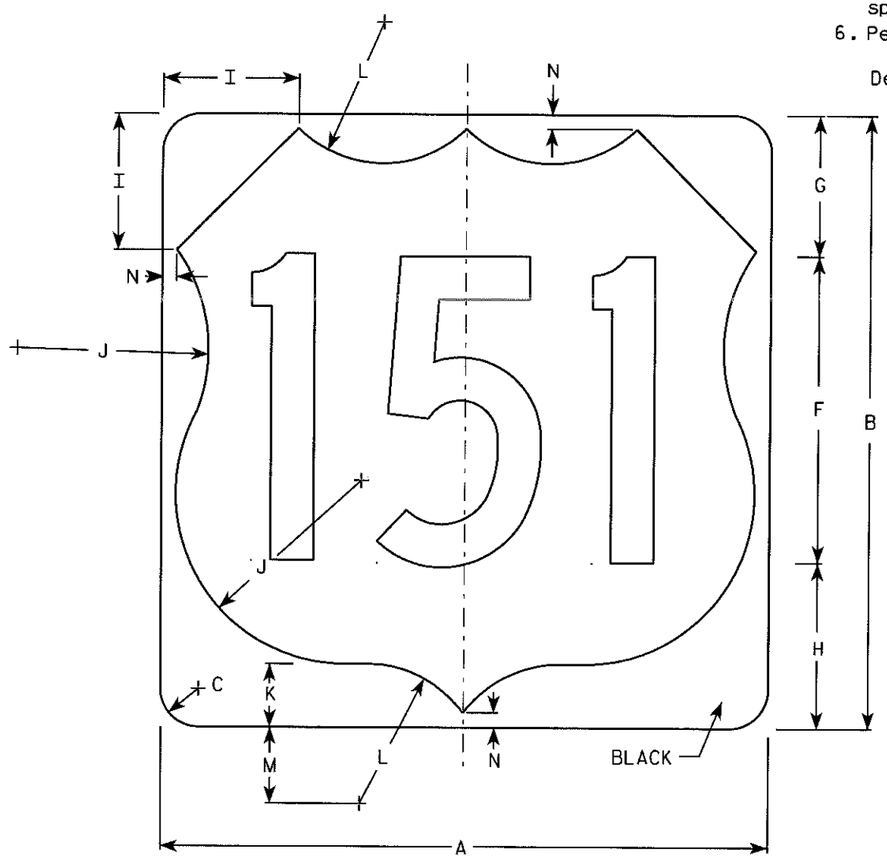
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 247 | E

NOTES

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



M1-4



M1-4

Metric equivalent for this sign is:

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	24	24	1 1/2			12	5 1/2	6 1/2	5	7 1/2	2 1/2	5 1/2	3	1/2													4.0	.36
3	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0	.81
4	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0	.81
5	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0	.81

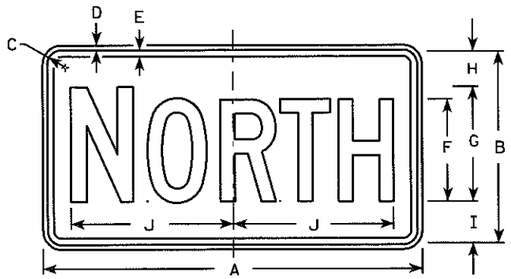
USH MARKER
M1-4 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

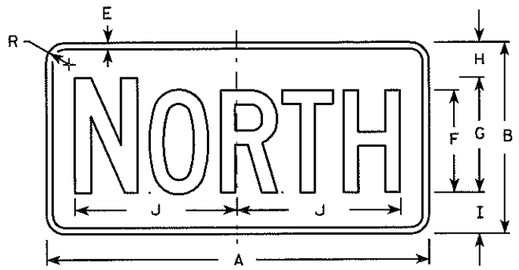
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 08/25/05 PLATE NO. M1-4.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 248 | E



M3-1
MK3-1
MO3-1



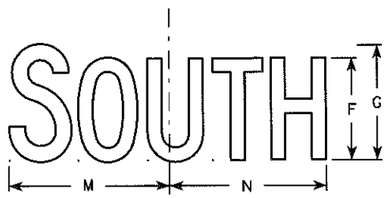
MB3-1
MG3-1
MM3-1*
MN3-1



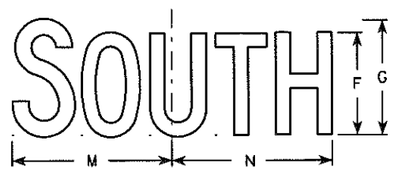
M3-2
MK3-2
MO3-2



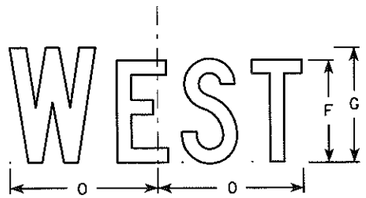
MB3-2
MG3-2
MM3-2*
MN3-2



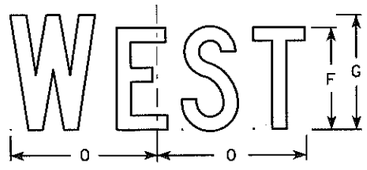
M3-3
MK3-3
MO3-3



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



M3-4
MK3-4
MO3-4



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

Metric equivalent for this sign is:

SIZE	
1	
2	600 mm X 300 mm
3	750 mm X 375 mm
4	750 mm X 375 mm
5	750 mm X 375 mm

NOTES

1. All Signs Type II - See Note 5 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White - Type H Reflective
   (Detour or temporary signs - Reflective)
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White - Type H Reflective
   (Detour or temporary signs - Reflective)
   MG3-1 thru MG3-4 Background - Green
   Message - White - Type H Reflective
   MK3-1 thru MK3-4 Background - Green
   Message - White - Type H Reflective
   MM3-1 thru MM3-4 Background - White - Type H Reflective
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White - Type H Reflective
   MO3-1 thru MO3-4 Background - Orange - Reflective
   Message - Black
6. Border shall be omitted on MM series.
7. Note the first letter of each direction is larger than the remainder of the message.

* See Note 6

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m²
1																												
2	24	12	1 1/8	3/8	1/2	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00	0.18
3	30	15	1 1/8	3/8	1/2	8	9	2 3/4	3 1/4	12 3/4	10 3/8	11 1/8	12 5/8	12 1/2	11 5/8			1 1/2									3.13	0.28
4	30	15	1 1/8	3/8	1/2	8	9	2 3/4	3 1/4	12 3/4	10 3/8	11 1/8	12 5/8	12 1/2	11 5/8			1 1/2									3.13	0.28
5	30	15	1 1/8	3/8	1/2	8	9	2 3/4	3 1/4	12 3/4	10 3/8	11 1/8	12 5/8	12 1/2	11 5/8			1 1/2									3.13	0.28

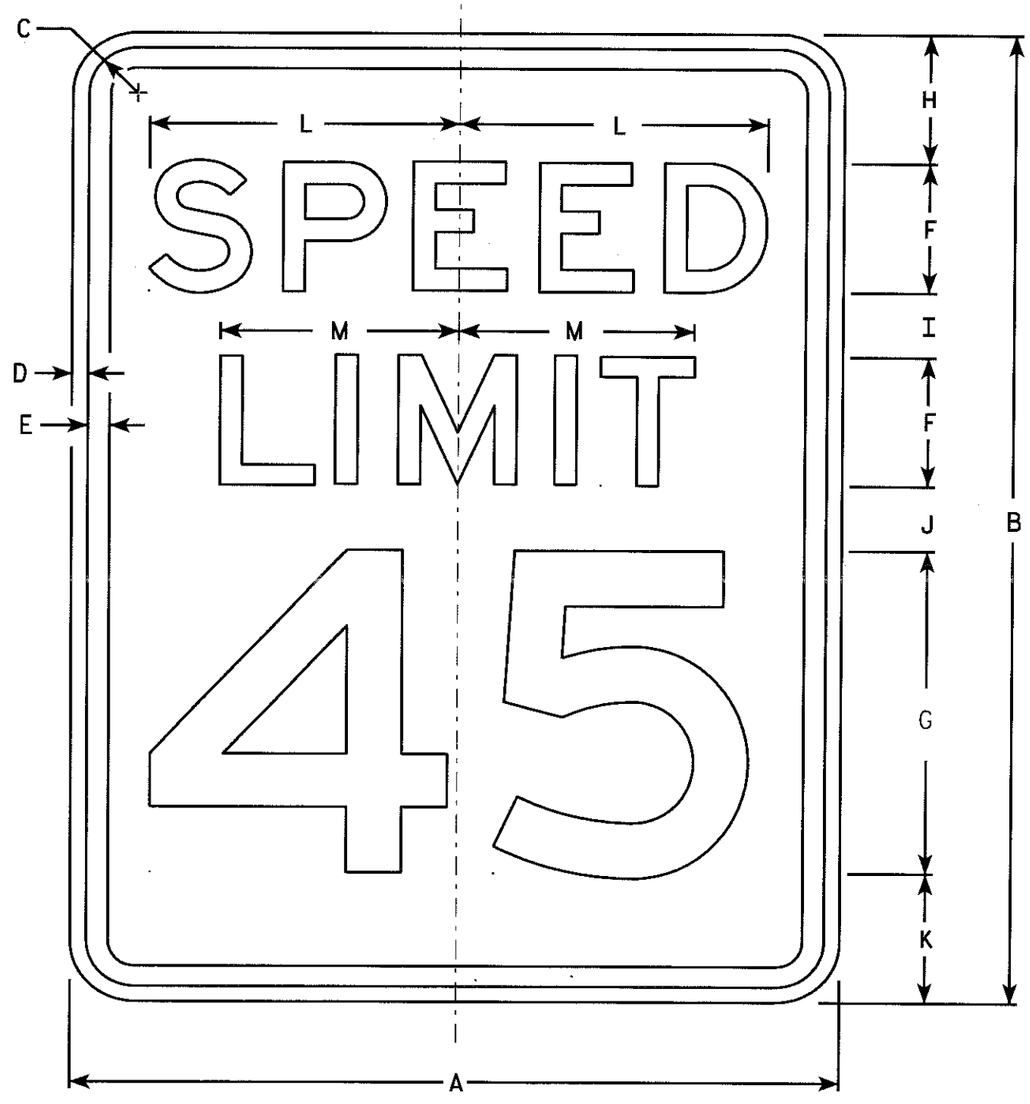
STANDARD SIGNS
M3-1 thur M3-4
SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

DATE 3/20/02 PLATE NO. M3-1.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 249 | E



R2-1

NOTES

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

Metric equivalent for this sign is:

SIZE	
1	450 mm X 600 mm
2	600 mm X 750 mm
3	900 mm X 1200 mm
4	900 mm X 1200 mm
5	1200 mm X 1500 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0	.28
2	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0	.46
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0	1.11
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0	1.11
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0	1.86

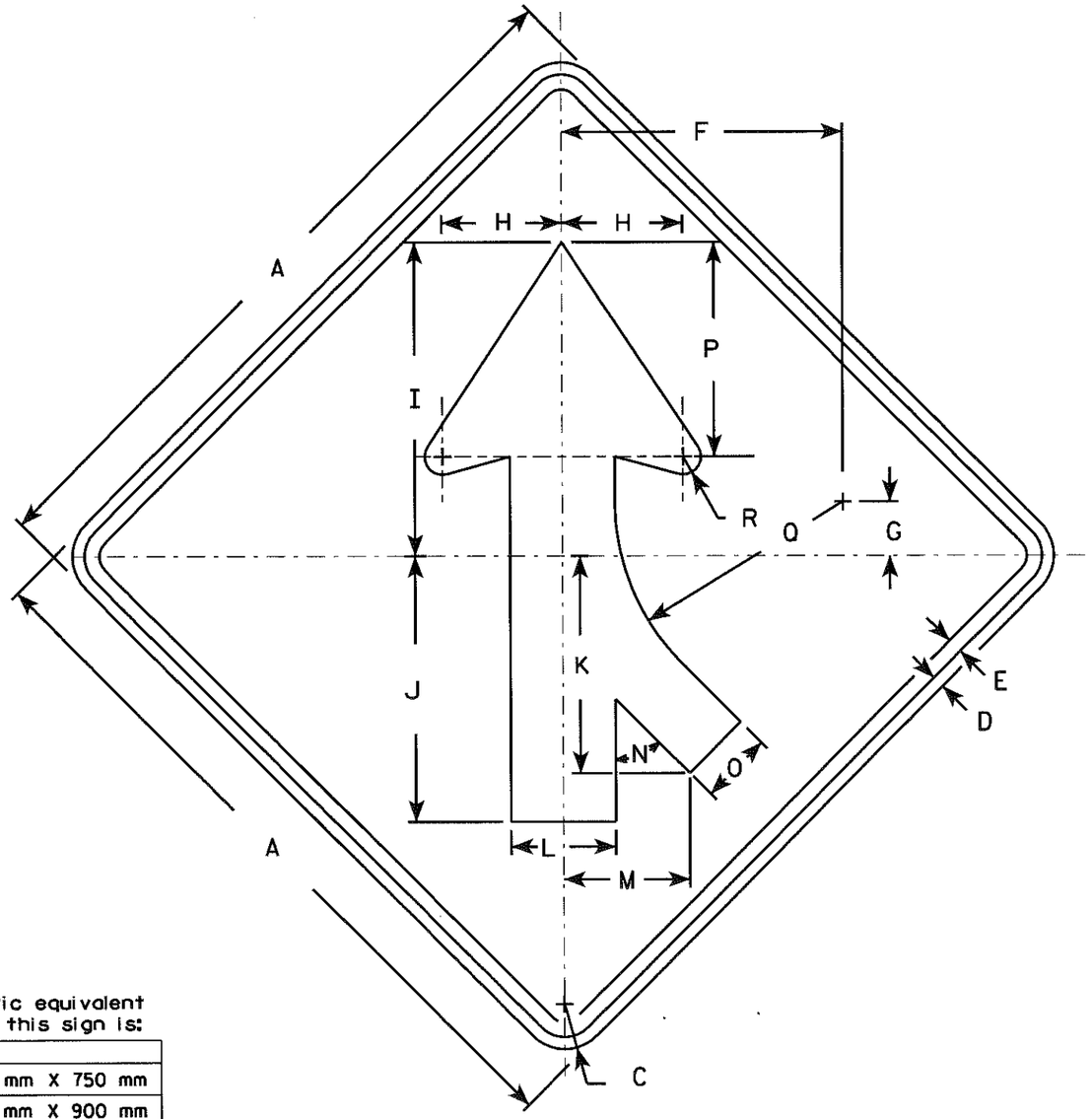
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/05/05 PLATE NO. R2-1.12

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 250 | E



W4-1R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W4-1L is the same as W4-1R except the arrow is reversed along the vertical centerline.

Metric equivalent for this sign is:

SIZE	
1	750 mm X 750 mm
2	900 mm X 900 mm
3	900 mm X 900 mm
4	1200 mm X 1200 mm
5	1200 mm X 1200 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1	30		1 3/8	1/2	5/8	11 5/8	2 1/2	5	13	11	9	4 3/8	5 1/4	45°	3	8 7/8	9 1/2	3/4										6.25	0.56
2	36		1 5/8	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 5/8	10 5/8	11 3/8	7/8										9.0	0.81
3	36		1 5/8	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 5/8	10 5/8	11 3/8	7/8										9.0	0.81
4	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4										16.0	1.44
5	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4										16.0	1.44

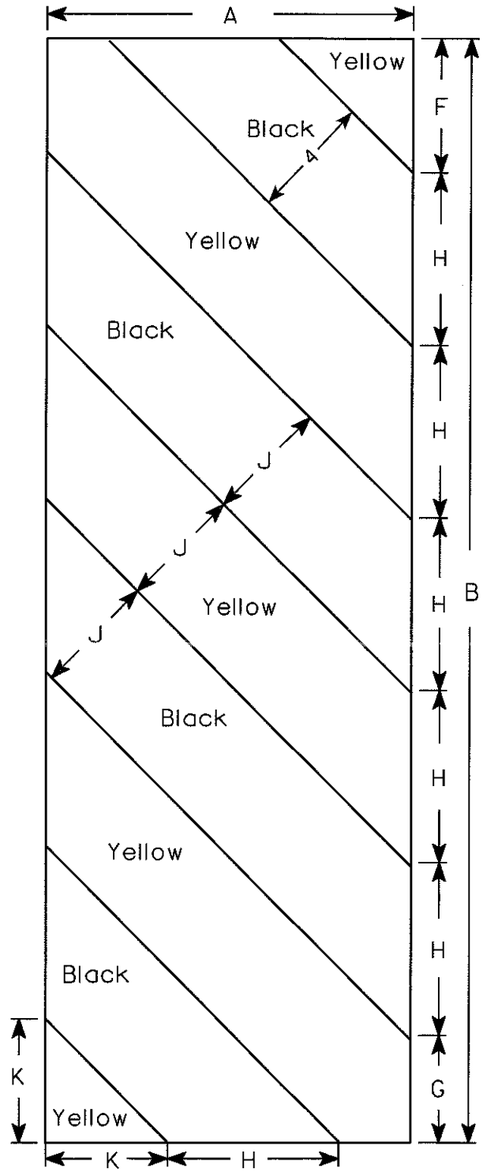
STANDARD SIGN
W4-1

WISCONSIN DEPT OF TRANSPORTATION

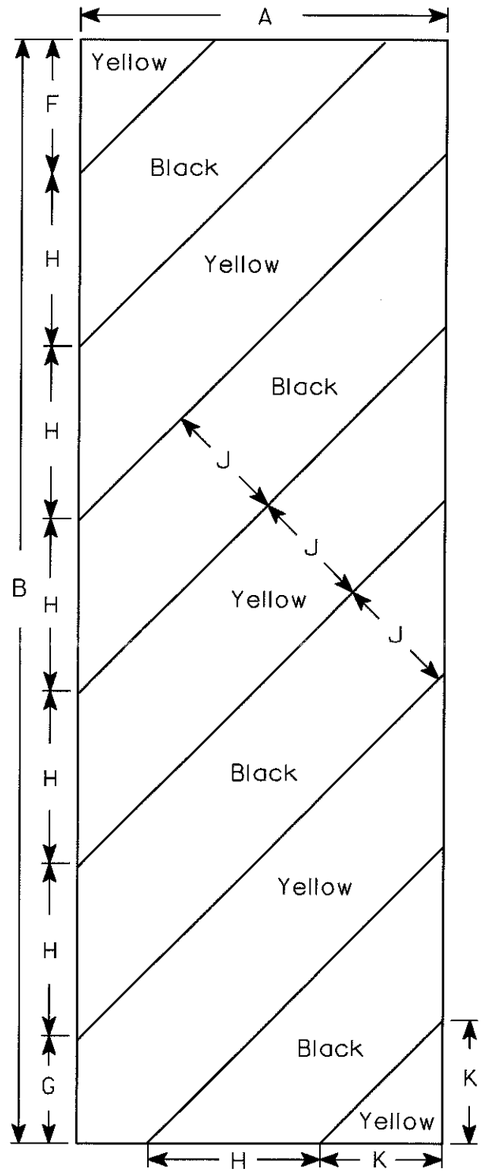
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/29/05 PLATE NO. W4-1.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 251	E



W5-52L



W5-52R

NOTES

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

Metric equivalent for this sign is:

SIZE	
1	
2	300 mm X 900 mm
3	450 mm X 1350 mm
4	
5	

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0	0.27
3	18	54				6	5 1/2	8 1/2	45°	6	6 9/16																6.75	0.61
4																												
5																												

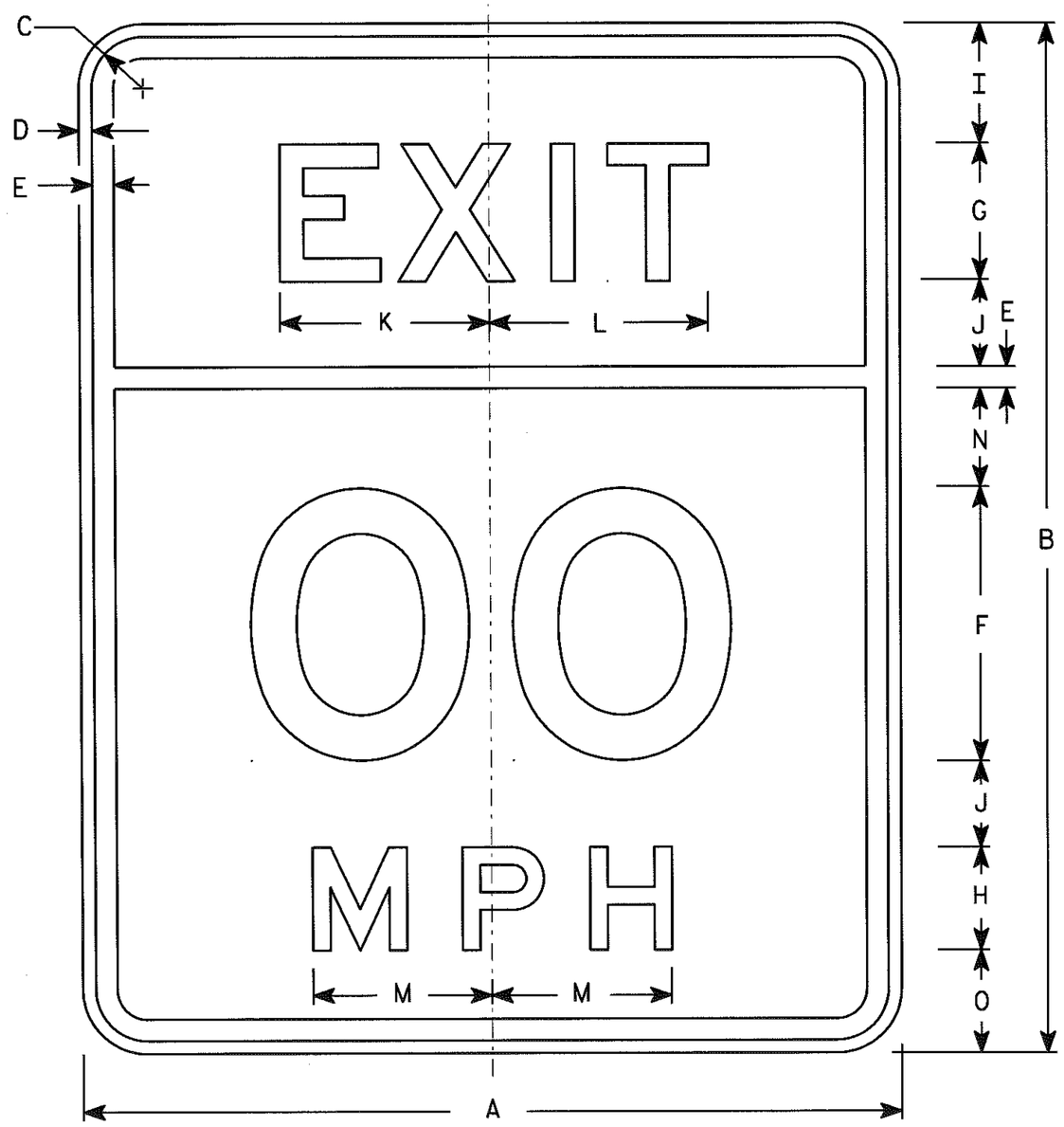
STANDARD SIGN
W5-52L & W5-52R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

DATE 8/13/97 PLATE NO. W5-52.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 252 | E



W13-2

NOTES

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

Metric equivalent for this sign is:

SIZE	
1	
2	600 mm X 750 mm
3	900 mm X 1200 mm
4	900 mm X 1200 mm
5	1200 mm X 1500 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	24	30	1 1/2	3/8	5/8	8	4	3	3 1/2	2 1/2	6 1/8	6 3/8	5 1/4	2 7/8	3												5.0	0.45
3	36	48	2 1/4	5/8	7/8	12	6	4	6	4	9 1/4	9 1/2	7 1/8	5 1/8	6												12.0	1.08
4	36	48	2 1/4	5/8	7/8	12	6	4	6	4	9 1/4	9 1/2	7 1/8	5 1/8	6												12.0	1.08
5	48	60	2 1/4	3/4	1	16	8	6	7	5	12 1/4	12 3/4	10 5/8	5 3/4	6												20.0	1.80

STANDARD SIGN
W13-2

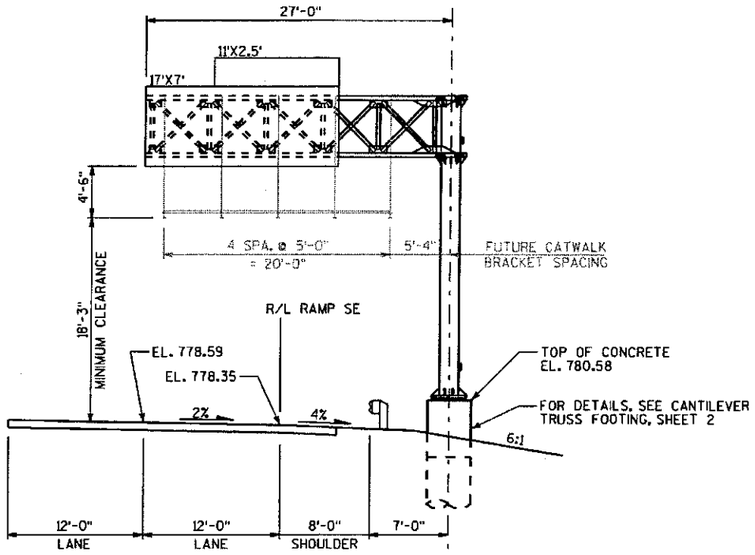
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 04/05/06 PLATE NO. W13-2.7

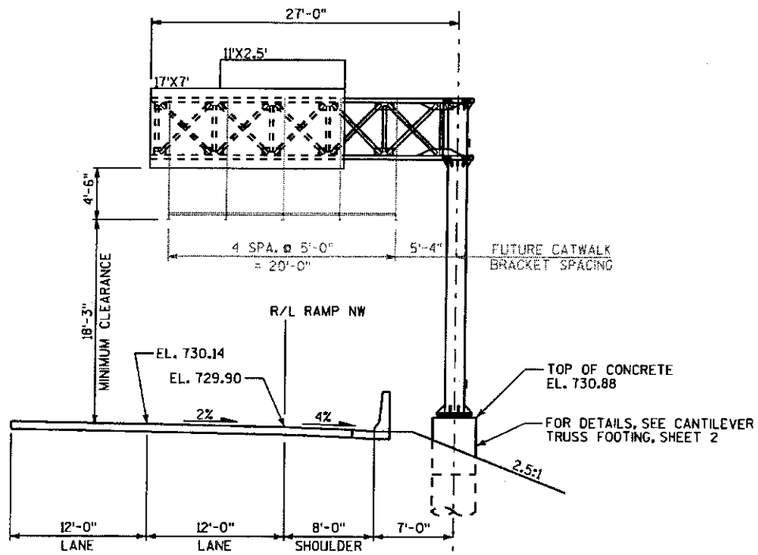
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 253 | E

STATE PROJECT NUMBER
1030-25-74



ELEVATION

(LOOKING NORTH AT FRONT FACE OF SIGNS)
S-51-17
IH 94 NB @ CTH G
STA. 1140SE+67.0



ELEVATION

(LOOKING SOUTH AT FRONT FACE OF SIGNS)
S-51-18
IH 94 SB @ CTH G
STA. 1182NW+72.0

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

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.

CONTRACTOR SHALL VERIFY DIMENSIONS BEFORE FABRICATION OF STEEL COLUMNS.

CATWALKS WILL NOT BE INSTALLED IN THIS CONTRACT. CATWALKS WILL BE INSTALLED WITH FUTURE SIGN LIGHTING INSTALLATION. SHEET 5 OF THIS PLAN SET IS FOR INFORMATIONAL PURPOSES ONLY.

CENTER SIGNS VERTICALLY ON TRUSS.

SIGN BRIDGE STRUCTURES SHALL BE GROUNDED PER SDD 10HL16-1 AND THE DETAILS ON SHEET 6.

ELEVATIONS ARE IN FEET UNLESS OTHERWISE SHOWN OR NOTED.

ALTERNATE DESIGNS ARE NOT ALLOWED.

EXCAVATION TO BE PAID FOR UNDER BID ITEM "SIGN SUPPORTS CONCRETE MASONRY".

DESIGN DATA

SIGN STR.	DESIGN SIGN AREA	MAX. SIGN DEPTH
S-51-17	264 SF	12 FT
S-51-18	264 SF	12 FT

DESIGNED ACCORDING TO A.A.S.H.T.O. "STANDARD SPECIFICATION FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS", 2001.

DEAD LOAD - WT. OF SIGN AND SUPPORTING STRUCTURE.
ICE LOAD - 3 PSF TO 1 FACE OF SIGN & AROUND SURFACE OF MEMBERS
WIND PRESSURE - 90 MPH 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 + ½WIND	133

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

TOTAL ESTIMATE OF QUANTITIES

ITEM NO.	BID ITEM	UNIT	STRUCT. S-51-17	STRUCT. S-51-18
	CATEGORY		**6500**	**6510**
636.0100	SIGN SUPPORTS CONCRETE MASONRY	CY	9	9
636.1000	SIGN SUPPORTS STEEL REINFORCEMENT HS	LB	1030	1030
SPV.0105.08	ERECT SIGN BRIDGE CANTILEVERED S-51-17	LS	1	
SPV.0105.09	ERECT SIGN BRIDGE CANTILEVERED S-51-18	LS		1

THIS PROJECT INCLUDES COORDINATION FOR AND ERECTION OF SIGN BRIDGES. THE SIGN BRIDGES ARE BEING FABRICATED AND DELIVERED UNDER PROJECT 1030-25-75.

LIST OF DRAWINGS

1. SIGN BRIDGE LAYOUT
2. CANTILEVER TRUSS FOOTING
3. GALVANIZED STEEL CANTILEVER SIGN TRUSS
4. GALVANIZED STEEL CANTILEVER SIGN TRUSS DETAILS
5. SIGN BRIDGE CATWALK (FOR INFORMATION ONLY)
6. HANDHOLE DETAILS

WISCONSIN
HEATHER D. ANDERS, P.E.
33441-006
CEDARBURG, WI
PROFESSIONAL ENGINEER
Heather Anders

STRUCTURES DESIGN CONTACTS
BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
HEATHER ANDERS (414) 359-2300

Milwaukee Transportation Partners LLC

NO.	DATE	REVISION	BY

Plans Prepared For **WISDOT**
BUREAU OF STRUCTURES
William C. Dreher SDR 3-18-09
APPROVED CHIEF STRUCTURAL DESIGN ENGINEER DATE

STRUCTURES S-51-17, S-51-18
IH 94 AT CTH G

COUNTY	TOWN/~~CITY/VILLAGE~~	
RACINE	RAYMOND	
DESIGN SPEC. AASHTO STD. SPEC. 2003	LOAD 90 MPH WIND	CONST. SPEC. 2009
DESIGNED BY JJO / DESIGN CK'D. HDA	DRAWN BY JJO	PLANS CK'D. PJC

SIGN BRIDGE LAYOUT

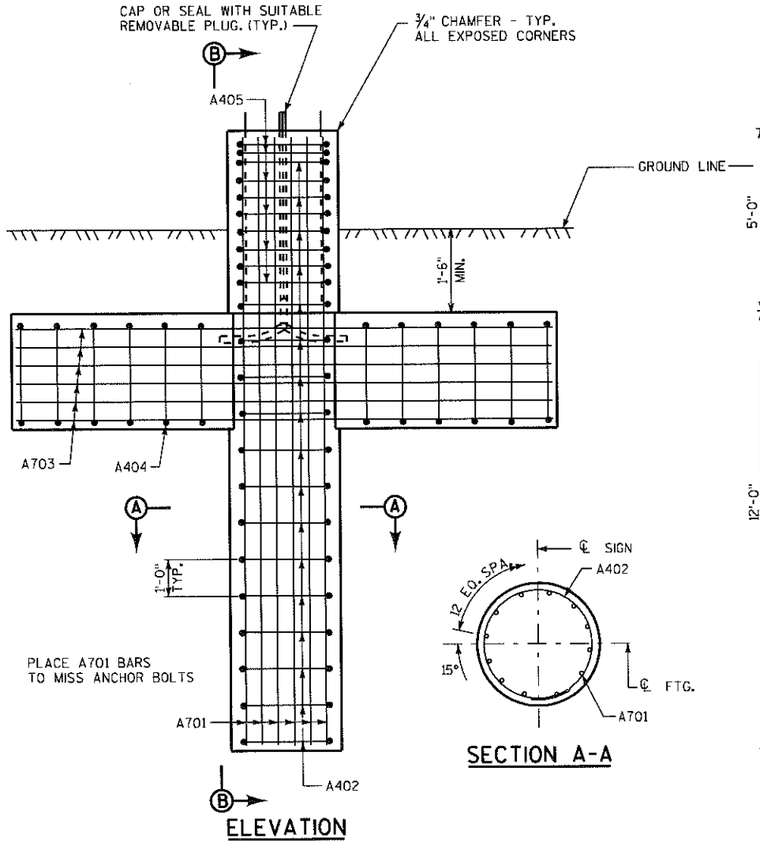
SHEET 1 OF 6

254

8

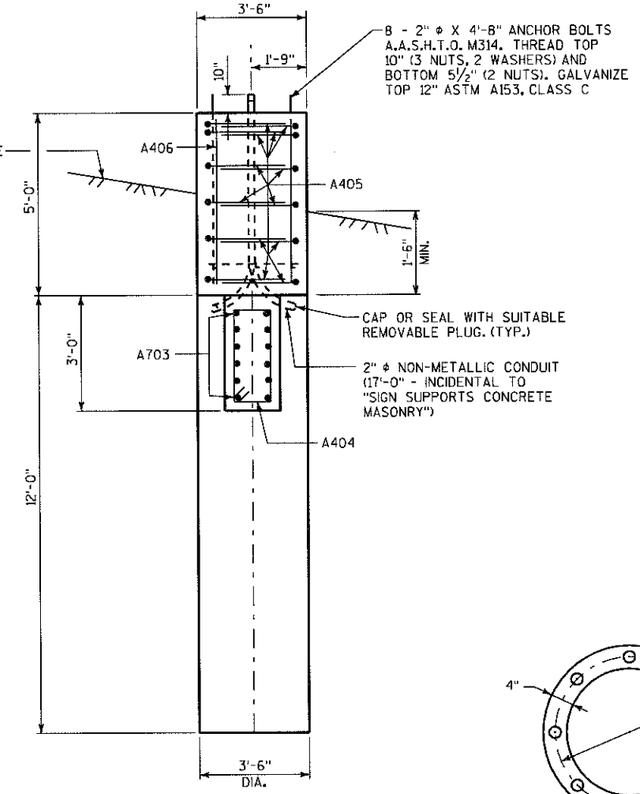
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STATE PROJECT NUMBER
1030-25-74

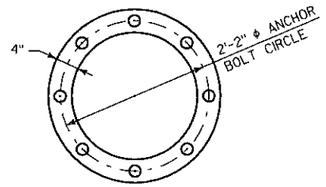


ELEVATION

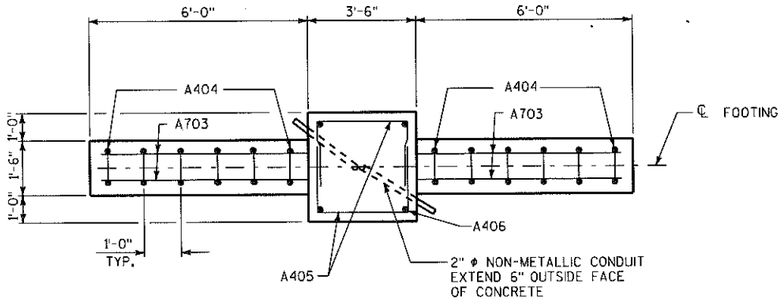
SECTION A-A



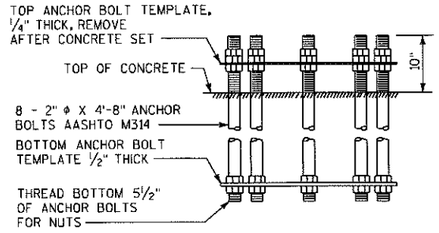
SECTION B-B



TOP VIEW OF TOP & BOTTOM TEMPLATES



PLAN



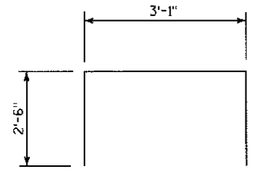
ANCHOR BOLT DETAILS

NOTE:
THE FIRST OR FIRST TWO DIGITS OF A BAR MARK SIGNIFIES THE BAR SIZE.

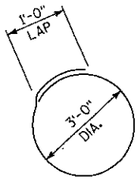
BILL OF BARS

1030 LB.

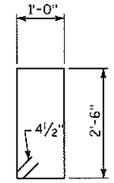
BAR MARK	COAT	NO. REQ'D	LENGTH	BENT	CUT. DIAG.	BUN-DLE	LOCATION
A701		12	16'-6"				FOOTING - COLUMN/TOP
A402		17	10'-6"	X			FOOTING - COLUMN/TOP
A703		12	15'-0"				FOOTING - WINGS
A404		12	7'-6"	X			FOOTING - WINGS
A405		12	7'-11"	X			FOOTING - TOP
A406		4	4'-6"				FOOTING - TOP - COLUMNS



A405



A402



A404
(STIRRUP)

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 3" CLEAR UNLESS DETAILED OTHERWISE.

ALLOWABLE DESIGN STRESSES

CONCRETE MASONRY — f'c=3,500 P.S.I.
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60 — fy=60,000 P.S.I.
ANCHOR BOLTS A.A.S.H.T.O. M314 — fy=55,000 P.S.I.

FOUNDATION DATA

ALLOWABLE SOIL BEARING PRESSURE = 3,500 P.S.F.

ESTIMATED QUANTITIES (1 FTG.)

SIGN SUPPORTS CONCRETE MASONRY — 9 C.Y.
SIGN SUPPORTS STEEL REINFORCEMENT HS — 1025 LB.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURES S-51-17, S-51-18

CONST. SPEC. 2009	DRAWN BY JJO	PLANS CK'D. HDA

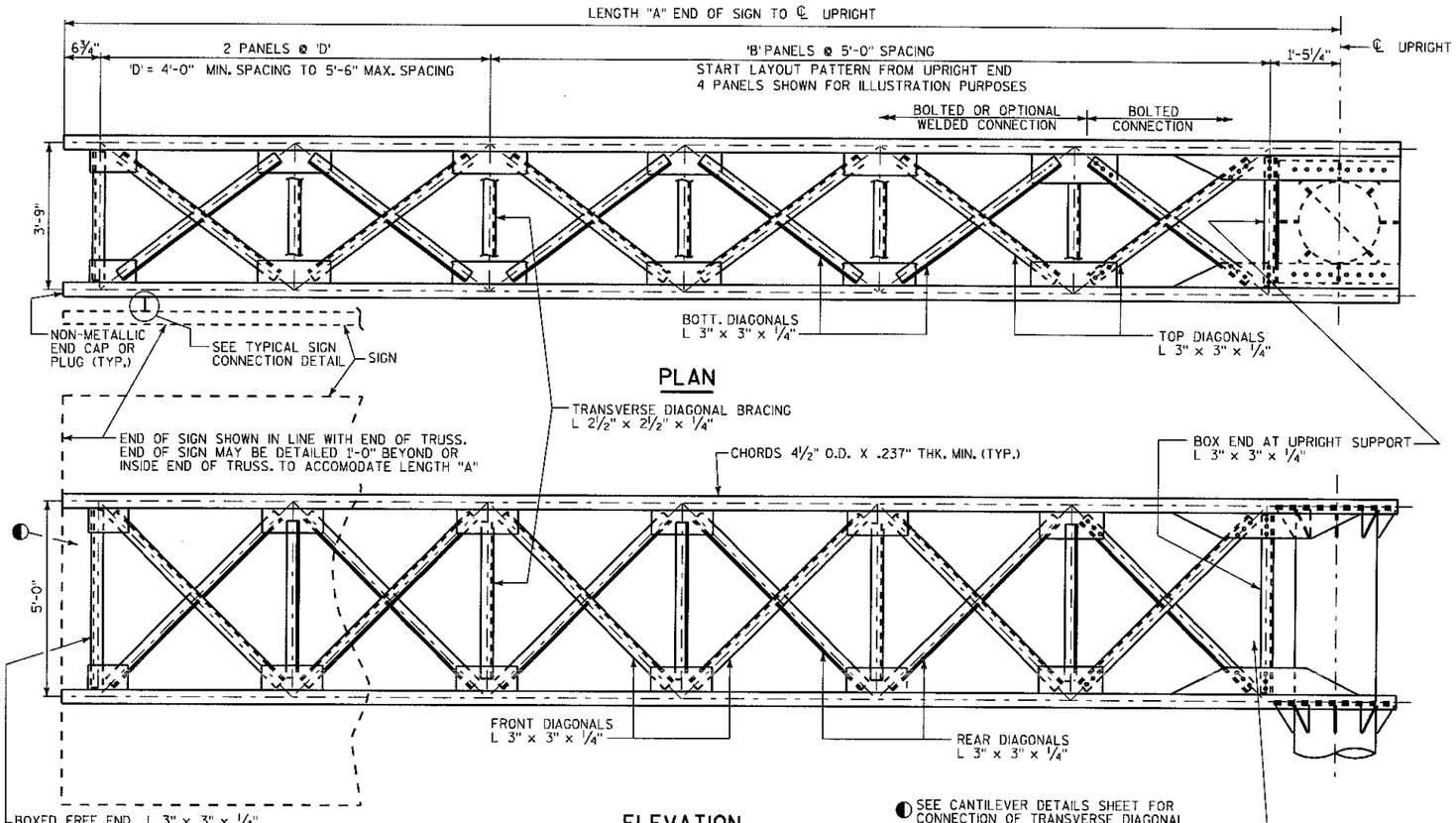
CANTILEVER TRUSS FOOTING

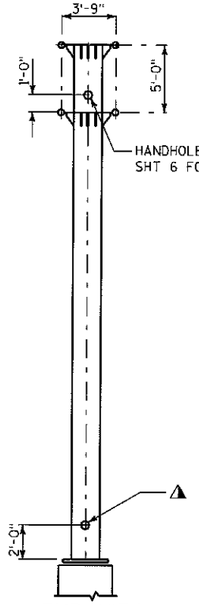
SHEET 2 OF 6

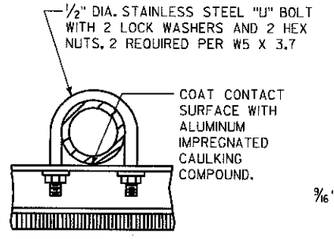
8

8

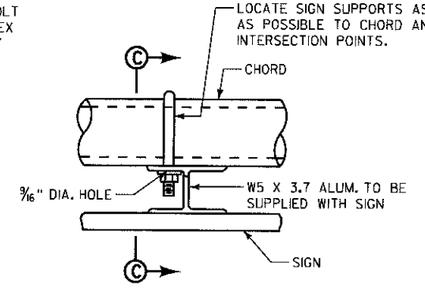
STATE PROJECT NUMBER
1030-25-74







SECTION C-C



TYPICAL SIGN CONNECTION

TABLE

STRUCTURE	"A"	"L"	"B"	"D"	"Y"
S-51-17	27'-0"	26'-7"	3	5'-0"	2⅜"
S-51-18	27'-0"	27'-10"	3	5'-0"	2½"

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

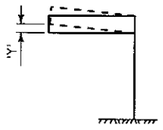
DESIGNED ACCORDING TO A.A.S.H.T.O. "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC "SIGNALS"

WIND VELOCITY = 90 M.P.H. (3-SECOND GUST SPEED)

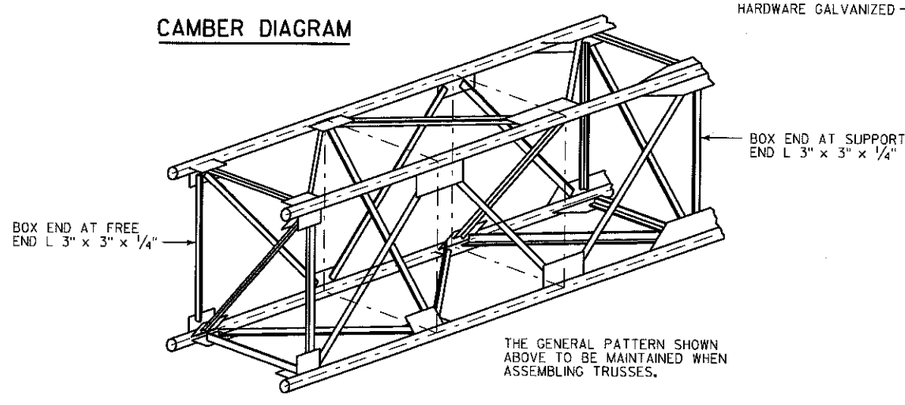
PREFABRICATE CAMBER INTO THE HORIZONTAL SUPPORT PROVIDING AN AMOUNT "Y" AT END OF TRUSS SHOWN IN "CAMBER DIAGRAM". DO NOT RAKE VERTICAL UPRIGHT BY ADJUSTMENT OF LEVELING NUTS.

ALLOWABLE DESIGN STRESSES

CHORDS & COLUMN (INCLD. HANDHOLE) — API-5L-X42 — fy=42,000 P.S.I.
STRUCTURAL ANGLES — A.S.T.M. A709 GRADE 36 — fy=36,000 P.S.I.
PLATES & BARS — A.S.T.M. A709 GRADE 36 — fy=36,000 P.S.I.
ANCHOR BOLTS — A.A.S.H.T.O. M314 — fy=55,000 P.S.I.
HIGH STRENGTH BOLTS — A.S.T.M. A325 — fy=92,000 P.S.I.
STRUCTURAL MEMBERS GALVANIZED — A.S.T.M A123
HARDWARE GALVANIZED — A.S.T.M. A153 CLASS C



CAMBER DIAGRAM



THE GENERAL PATTERN SHOWN ABOVE TO BE MAINTAINED WHEN ASSEMBLING TRUSSES.

TYPICAL TRUSS SECTION

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURES S-51-17, S-51-18

CONST. SPEC. 2009	DRAWN BY JJO	PLANS CK'D. HDA

GALVANIZED STEEL CANTILEVER SIGN TRUSS

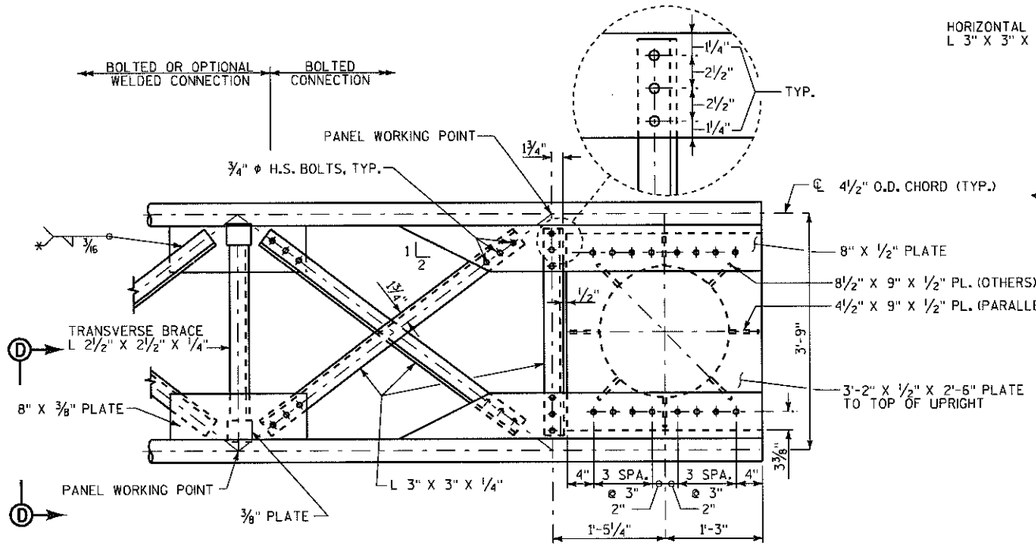
SHEET 3 OF 6

8

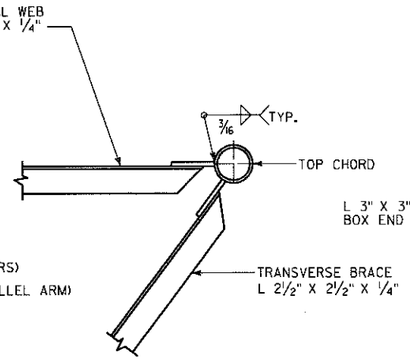
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STATE PROJECT NUMBER

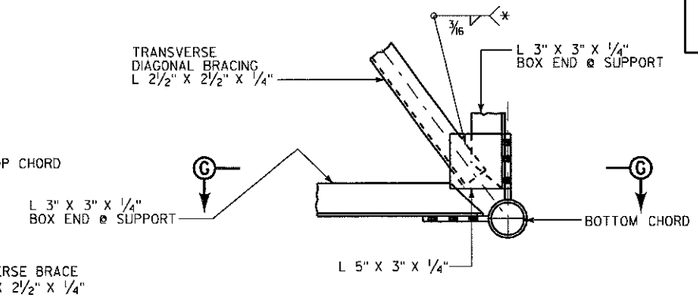
1030-25-74



PLAN TRUSS TO UPRIGHT

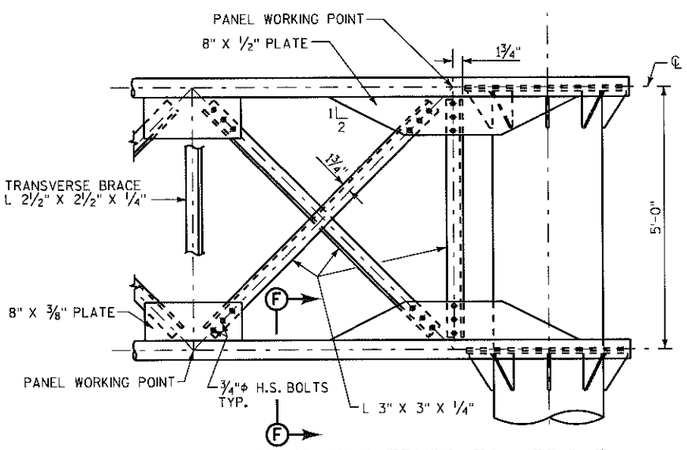


SECTION D-D

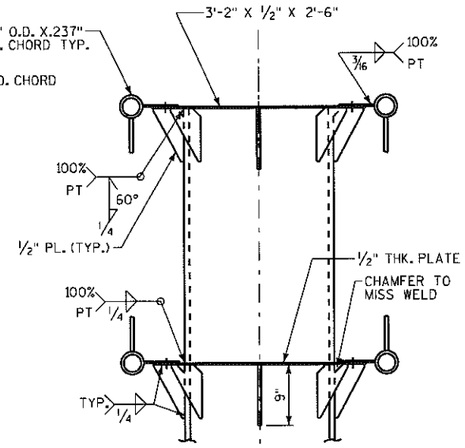


SECTION F-F

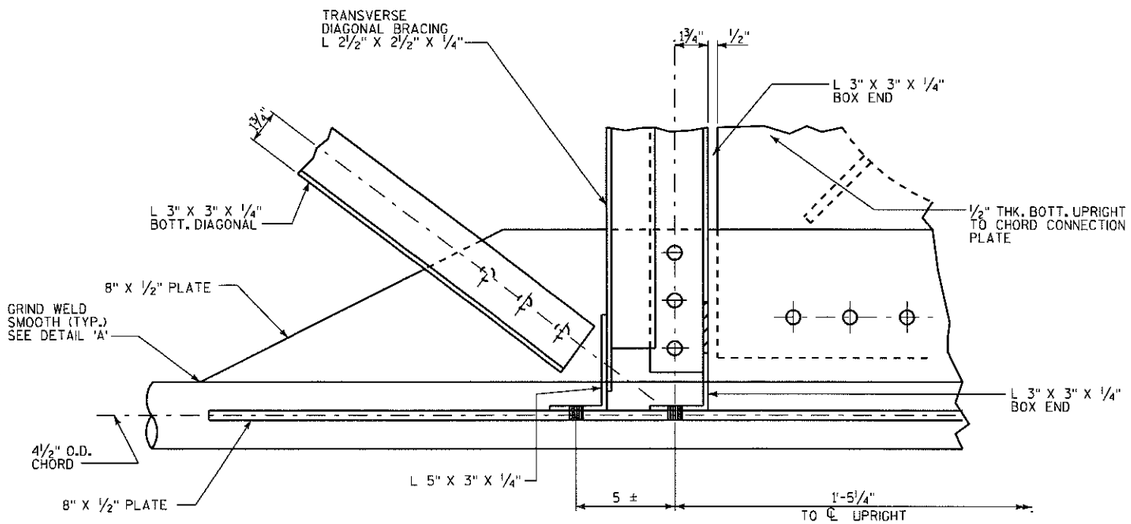
* ANGLE	WELD LENGTH (MIN.)
L 2 1/2" X 2 1/2" X 1/4"	7"
L 3" X 3" X 1/4"	8"



ELEVATION TRUSS TO UPRIGHT

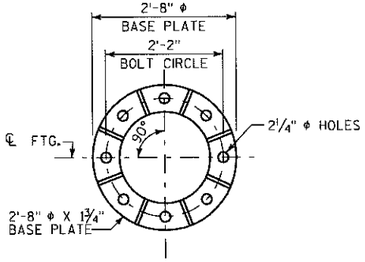


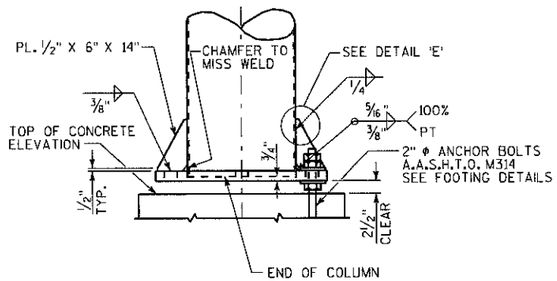
END VIEW
TRUSS TO UPRIGHT



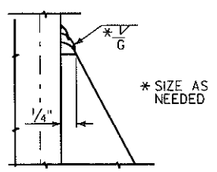
SECTION G-G

(LOOKING DOWN ø BOTT. HORIZ. PLANE ø FRONT CHORD)

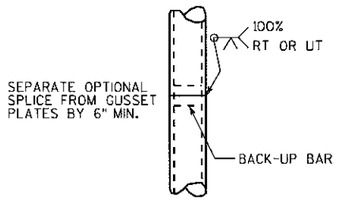




BASE PLATE DETAILS



DETAIL 'E'



OPTIONAL COLUMN
OR CHORD SPLICE DETAIL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURES S-51-17, S-51-18

CONST. SPEC. 2009	DRAWN BY JJO	PLANS CK'D. HDA

GALVANIZED STEEL CANTILEVER SIGN TRUSS DETAILS

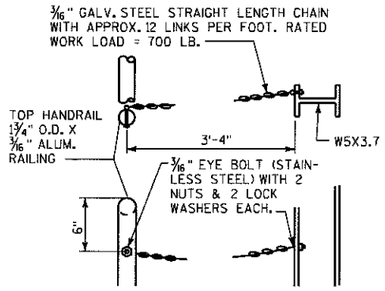
SHEET 4 OF 6

8

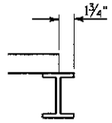
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STATE PROJECT NUMBER

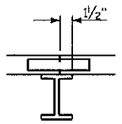
1030-25-74



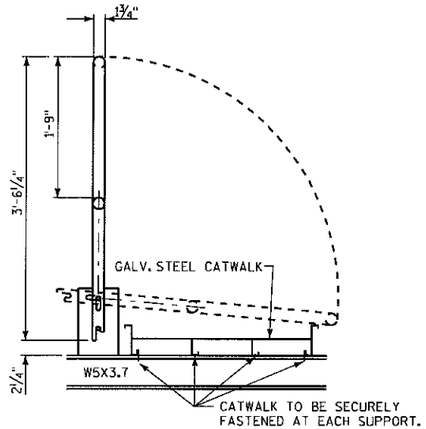
SAFETY CHAIN DETAIL



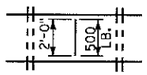
CATWALK TERMINATION DETAIL



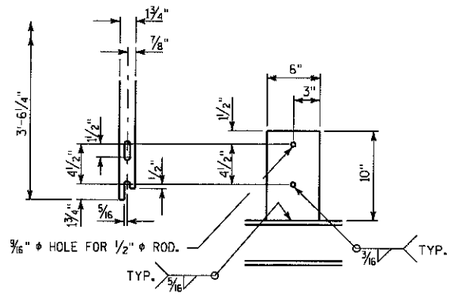
CATWALK SPLICE LOCATION DETAIL



RAIL POST DETAIL

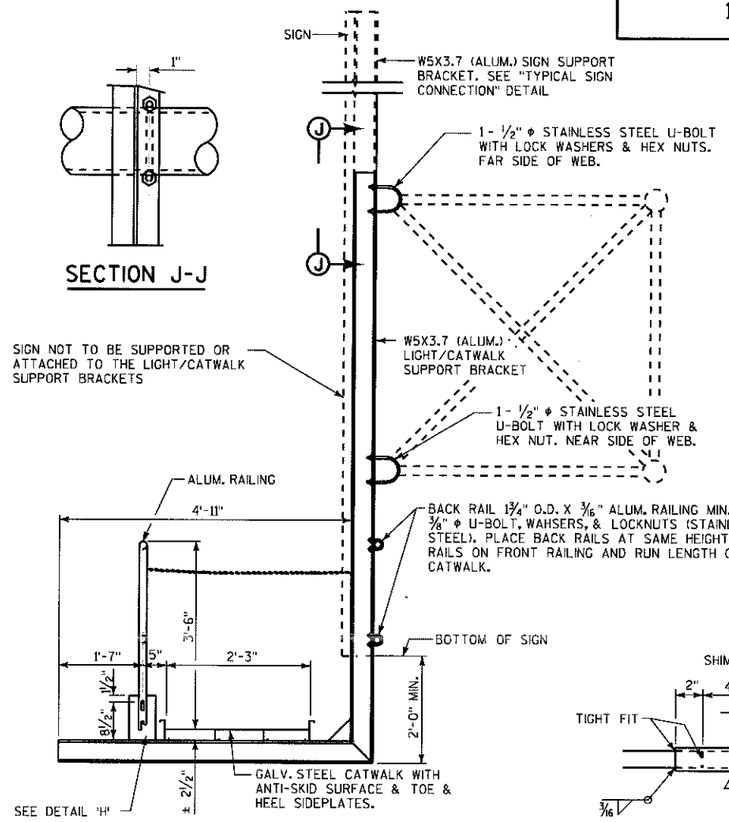


NOTE:
CATWALK SHALL MEET A.A.S.H.T.O. "SPECIFICATIONS FOR THE DESIGN & CONSTRUCTION OF STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS" 1985. (500 LB. DISTRIBUTED OVER 2'-0" TRANSVERSELY WITH THE BASIC ALLOWABLE UNIT STRESS - A.A.S.H.T.O. HIGHWAY BRIDGES 1985 (INCREASED 25%). MAX. SPAN IS 8'-0". CATWALK SHALL ALSO MEET O.S.H.A. 1970 STD'S. FOR WALKING-WORKING SURFACES.

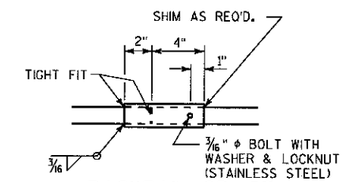


DETAIL 'H'

SECTION J-J

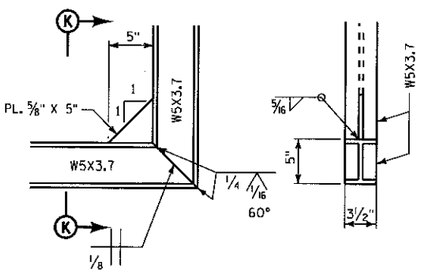


SECTION THRU WALKWAY

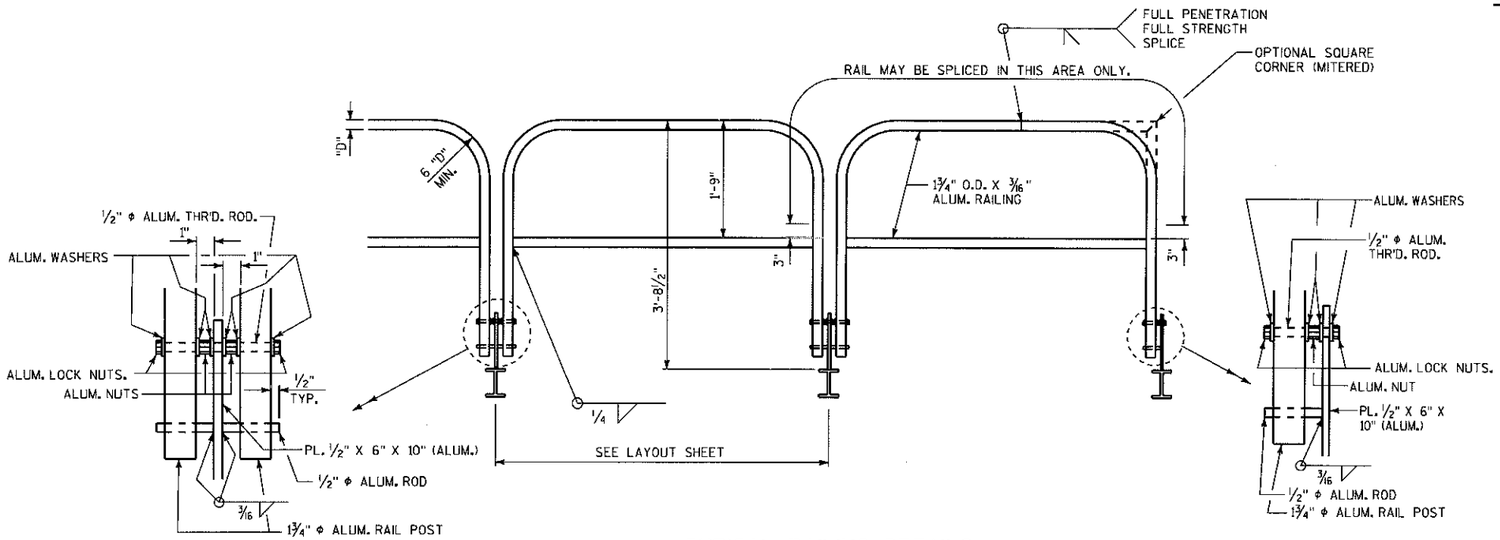


BACKRAIL SPLICE

ONE SPLICE ALLOWED FOR LENGTHS OVER 30'-0"



BRACKET DETAIL SECTION K-K



TYPICAL RAILING DETAILS

THIS SHEET IS FOR INFORMATION ONLY

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURES S-51-17, S-51-18

CONST. SPEC. 2009	DRAWN BY JJO	PLANS CK'D. HDA

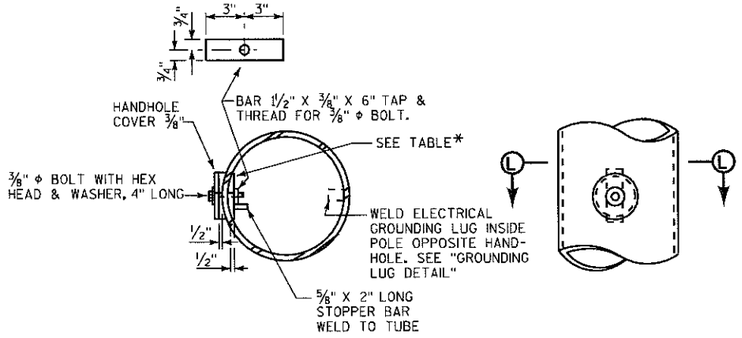
SIGN BRIDGE CATWALK

SHEET 5 OF 6

8

8

STATE PROJECT NUMBER
1030-25-74



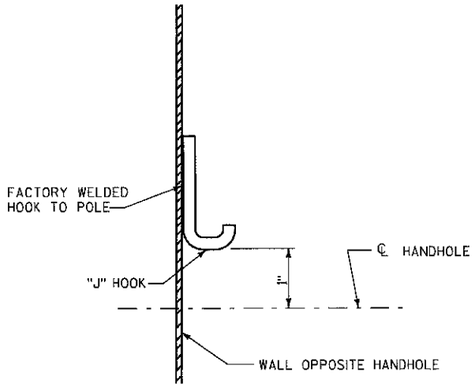
SECTION 'L'

HANDHOLE DETAILS

HANDHOLE NOTES

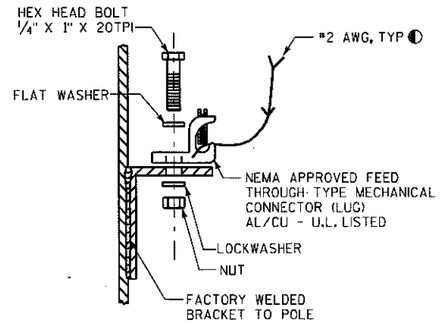
HANDHOLES SHALL BE LOCATED IN THE COLUMN AS DETAILED ON SHT 3.

*	UPRIGHT DIAM. SIZE	HANDHOLE PIPE O.D. X MIN. THK.
	UP TO AND INCLD. 16" X .375"	5.562" X .500"
	GREATER THAN 16" X .375" TO AND INCLD. 24" X .562"	6.625" X .562"



TYPICAL "J" HOOK LOCATION

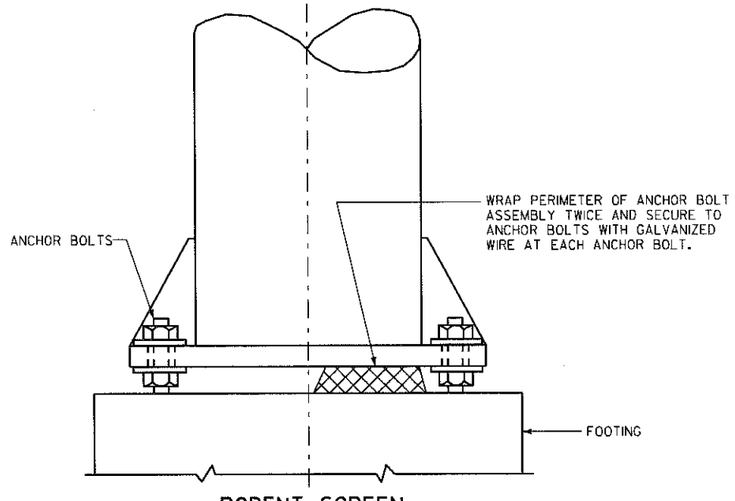
THE "J" HOOK SHALL BE FACTORY WELDED TO THE INSIDE OF ALL COLUMNS. THE "J" HOOK SHALL BE ATTACHED ABOVE THE CENTERLINE OF THE UPPER HANDHOLE AND MOUNTED DIRECTLY OPPOSITE THE HANDHOLE AS SHOWN IN THE DRAWING.



GROUNDING LUG DETAIL

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

◐ SEE SDD 10HL16-1 FOR SIGN BRIDGE STRUCTURE GROUNDING DETAILS. GROUNDING ELECTRODES AND #2 AWG ARE INCIDENTAL TO THE PAY ITEM "SIGN SUPPORTS CONCRETE MASONRY"



RODENT SCREEN

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURES S-51-17, S-51-18

CONST. SPEC. 2009	DRAWN BY JJO	PLANS CK'D. HDA

HANDHOLE DETAILS

SHEET 6 OF 6

8

8

FILE NAME : S:\FinalDesign\G\10302574_M\Structs\S-51-17_S-51-18\cds\080106_gp.dgn PLOT DATE : 02-FEB-2009 12:42 PLOT BY : MSCHDA PLOT NAME : 080106_gp PLOT SCALE : 4:1

Division 3A IH 94 NB WIDENING

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	Fill	EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.20	Expanded EBS Backfill 1.30 Note 4	Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
1126+07.75	112607.75	0	2.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1127+00.00	112700.00	92	6.93	0.00	5.93	0.00	16.33	0.00	10.13	0.00	16.33	12.16	0.00	0.00	4.18
1128+00.00	112800.00	100	6.44	0.00	20.25	0.00	24.76	0.00	48.48	0.00	41.09	70.33	0.00	0.00	-29.24
1129+00.00	112900.00	100	6.00	0.00	35.69	0.00	23.04	0.00	103.59	0.00	64.13	194.65	0.00	0.00	-130.52
1130+00.00	113000.00	100	7.35	0.00	50.07	0.00	24.72	0.00	158.81	0.00	88.85	385.22	0.00	0.00	-296.37
1131+00.00	113100.00	100	8.70	0.00	47.63	0.00	29.72	0.00	180.93	0.00	118.57	602.33	0.00	0.00	-483.76
1132+00.00	113200.00	100	6.86	0.00	27.49	0.00	28.81	0.00	139.11	0.00	147.39	769.27	0.00	0.00	-621.88
1133+00.00	113300.00	100	9.49	0.00	13.04	0.00	30.28	0.00	75.06	0.00	177.67	859.33	0.00	0.00	-681.67
1134+00.00	113400.00	100	10.00	0.00	8.15	0.00	36.09	0.00	39.24	0.00	213.76	906.42	0.00	0.00	-692.67
1135+00.00	113500.00	100	13.50	0.00	4.18	0.00	43.52	0.00	22.83	0.00	257.28	933.82	0.00	0.00	-676.55
1136+00.00	113600.00	100	14.56	0.00	2.16	0.00	51.96	0.00	11.74	0.00	309.24	947.91	0.00	0.00	-638.67
1137+00.00	113700.00	100	16.44	0.00	1.02	0.00	57.41	0.00	5.89	0.00	366.65	954.98	0.00	0.00	-588.33
1138+00.00	113800.00	100	15.93	0.00	2.03	0.00	59.94	0.00	5.65	0.00	426.59	961.76	0.00	0.00	-535.17
1139+00.00	113900.00	100	19.17	0.00	0.35	0.00	65.00	0.00	4.41	0.00	491.59	967.05	0.00	0.00	-475.45
1140+00.00	114000.00	100	26.21	0.00	0.02	0.00	84.04	0.00	0.69	0.00	575.63	967.87	0.00	0.00	-392.24
1141+00.00	114100.00	100	42.03	0.00	0.02	0.00	126.37	0.00	0.07	0.00	702.00	967.96	0.00	0.00	-265.96
1142+00.00	114200.00	100	74.45	0.00	0.00	0.00	215.70	0.00	0.04	0.00	917.70	968.00	0.00	0.00	-50.30
1143+00.00	114300.00	100	183.12	0.00	0.11	0.00	476.98	0.00	0.20	0.00	1394.68	968.25	0.00	0.00	426.44
1144+00.00	114400.00	100	196.17	0.00	26.92	0.00	702.39	0.00	50.06	0.00	2097.07	1028.31	0.00	0.00	1068.76
1145+00.00	114500.00	100	8.52	0.00	17.33	0.00	379.06	0.00	81.94	0.00	2476.13	1126.65	0.00	0.00	1349.48
1146+00.00	114600.00	100	8.13	0.00	11.21	0.00	30.83	0.00	52.85	0.00	2506.96	1190.07	0.00	0.00	1316.89
1147+00.00	114700.00	100	5.88	0.00	21.92	0.00	25.94	0.00	61.35	0.00	2532.91	1263.69	0.00	0.00	1269.22
1148+00.00	114800.00	100	5.72	0.00	42.66	0.00	21.48	0.00	119.59	0.00	2554.39	1407.20	0.00	0.00	1147.19
1149+00.00	114900.00	100	4.88	0.00	59.37	0.00	19.63	0.00	188.94	0.00	2574.02	1633.93	0.00	0.00	940.08
1150+00.00	115000.00	100	6.00	0.00	55.89	0.00	20.15	0.00	213.44	0.00	2594.17	1890.07	0.00	0.00	704.10
1151+00.00	115100.00	100	6.16	0.00	40.85	0.00	22.52	0.00	179.15	0.00	2616.68	2105.05	0.00	0.00	511.64
1152+00.00	115200.00	100	8.34	0.00	33.74	0.00	26.85	0.00	138.13	0.00	2643.54	2270.80	0.00	0.00	372.73
1153+00.00	115300.00	100	6.69	0.00	26.22	0.00	27.83	0.00	111.04	0.00	2671.37	2404.05	0.00	0.00	267.32
1154+00.00	115400.00	100	7.27	0.00	15.30	0.00	25.85	0.00	76.89	0.00	2697.22	2496.31	0.00	0.00	200.91
1155+00.00	115500.00	100	6.46	0.00	16.81	0.00	25.43	0.00	59.46	0.00	2722.65	2567.67	0.00	0.00	154.98
1156+00.00	115600.00	100	6.99	0.00	14.50	0.00	24.91	0.00	57.98	0.00	2747.55	2637.25	0.00	0.00	110.31
1157+00.00	115700.00	100	6.49	0.00	11.99	0.00	24.96	0.00	49.06	0.00	2772.52	2696.11	0.00	0.00	76.40
1158+00.00	115800.00	100	7.38	0.00	15.22	0.00	25.69	0.00	50.39	0.00	2798.20	2756.58	0.00	0.00	41.62
1159+00.00	115900.00	100	8.24	0.00	28.27	0.00	28.93	0.00	80.54	0.00	2827.13	2853.22	0.00	0.00	-26.10

(CONTINUED ON NEXT SHEET)

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 EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

(CONTINUED)

Division 3A IH 94 NB WIDENING

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	Fill	EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.20	Expanded EBS Backfill 1.30 Note 4	Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
1160+00.00	116000.00	100	9.33	0.00	22.81	0.00	32.54	0.00	94.59	0.00	2859.67	2966.73	0.00	0.00	-107.07
1161+00.00	116100.00	100	10.63	0.00	8.71	0.00	36.96	0.00	58.37	0.00	2896.63	3036.78	0.00	0.00	-140.15
1162+00.00	116200.00	100	0.00	0.00	0.00	0.00	19.69	0.00	16.13	0.00	2916.31	3056.13	0.00	0.00	-139.82
1163+00.00	116300.00	100	16.39	0.00	0.08	0.00	30.35	0.00	0.15	0.00	2946.67	3056.31	0.00	0.00	-109.65
1164+00.00	116400.00	100	11.03	0.00	2.33	0.00	50.78	0.00	4.46	0.00	2997.44	3061.67	0.00	0.00	-64.22
1165+00.00	116500.00	100	7.52	0.00	7.21	0.00	34.35	0.00	17.67	0.00	3031.79	3082.87	0.00	0.00	-51.07
1166+00.00	116600.00	100	7.07	0.00	20.67	0.00	27.02	0.00	51.63	0.00	3058.81	3144.82	0.00	0.00	-86.01
1167+00.00	116700.00	100	11.17	0.00	18.17	0.00	33.78	0.00	71.93	0.00	3092.59	3231.13	0.00	0.00	-138.54
1168+00.00	116800.00	100	7.52	0.00	8.82	0.00	34.61	0.00	49.98	0.00	3127.20	3291.11	0.00	0.00	-163.91
1169+00.00	116900.00	100	9.38	0.00	3.52	0.00	31.30	0.00	22.85	0.00	3158.50	3318.53	0.00	0.00	-160.04
1170+00.00	117000.00	100	11.55	0.00	1.61	0.00	38.76	0.00	9.50	0.00	3197.26	3329.93	0.00	0.00	-132.68
1171+00.00	117100.00	100	9.63	0.00	1.13	0.00	39.22	0.00	5.07	0.00	3236.48	3336.02	0.00	0.00	-99.54
1172+00.00	117200.00	100	8.64	0.00	0.69	0.00	33.83	1.00	3.37	0.00	3270.31	3340.07	0.00	0.00	-70.75
1173+00.00	117300.00	100	12.85	0.00	0.00	0.00	39.80	2.00	1.28	0.00	3310.11	3341.60	0.00	0.00	-34.49
1174+00.00	117400.00	100	18.08	0.00	0.00	0.00	57.28	3.00	0.00	0.00	3367.39	3341.60	0.00	0.00	19.79
1174+33.43	117433.43	33	0.00	0.00	0.00	0.00	11.19	4.00	0.00	0.00	3378.58	3341.60	0.00	0.00	26.98
1182+45.60	118245.60	0	0.00	0.00	0.00	0.00	0.00	5.00	0.00	0.00	3378.58	3341.60	0.00	0.00	21.98
1183+00.00	118300.00	54	3.81	0.00	0.09	0.00	3.84	6.00	0.09	0.00	3382.42	3341.71	0.00	0.00	19.71
1184+00.00	118400.00	100	7.71	0.00	0.11	0.00	21.33	7.00	0.37	0.00	3403.75	3342.15	0.00	0.00	33.60
1185+00.00	118500.00	100	10.60	0.00	2.65	0.00	33.91	8.00	5.11	0.00	3437.66	3348.29	0.00	0.00	53.37
1186+00.00	118600.00	100	11.57	0.00	8.69	0.00	41.06	9.00	21.00	0.00	3478.71	3373.49	0.00	0.00	60.23
1187+00.00	118700.00	100	14.99	0.00	12.83	0.00	49.19	10.00	39.85	0.00	3527.90	3421.31	0.00	0.00	51.59
1188+00.00	118800.00	100	11.39	0.00	35.42	0.00	48.85	11.00	89.35	0.00	3576.75	3528.53	0.00	0.00	-17.78
1188+89.00	118889.00	89	7.87	0.00	48.97	0.00	31.74	12.00	139.09	0.00	3608.49	3695.44	0.00	0.00	-164.94
1189+00.00	118900.00	11	8.37	0.00	54.84	0.00	3.31	13.00	21.15	0.00	3611.80	3720.81	0.00	0.00	-200.01
1190+00.00	119000.00	100	8.35	0.00	62.12	0.00	30.96	14.00	216.59	0.00	3642.77	3980.72	0.00	0.00	-442.96
1191+00.00	119100.00	100	7.60	0.00	58.13	0.00	29.54	15.00	222.69	0.00	3672.30	4247.95	0.00	0.00	-695.64
1192+00.00	119200.00	100	7.99	0.00	42.84	0.00	28.87	16.00	186.98	0.00	3701.17	4472.32	0.00	0.00	-907.15
1193+00.00	119300.00	100	7.85	0.00	21.20	0.00	29.33	17.00	118.59	0.00	3730.51	4614.63	0.00	0.00	-1037.13
1194+00.00	119400.00	100	7.00	0.00	14.44	0.00	27.50	18.00	66.00	0.00	3758.01	4693.83	0.00	0.00	-1106.83
1195+00.00	119500.00	100	5.56	0.00	8.11	0.00	23.26	19.00	41.76	0.00	3781.27	4743.95	0.00	0.00	-1152.68
1196+00.00	119600.00	100	2.73	0.00	0.00	0.00	15.35	20.00	15.02	0.00	3796.62	4761.97	0.00	0.00	-1175.35
1196+23.96	119623.96	24	0.00	0.00	0.00	0.00	1.21	21.00	0.00	0.00	3797.83	4761.97	0.00	0.00	-1195.14
						COLUMN TOTALS	3797.83	231.00	3968.31	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 EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 4 IH 94 SB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.20	Expanded EBS Backfill 1.30 Note 4	Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
1130+00.00	113000.00	0	5.39	56.00	10.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1131+00.00	113100.00	100	6.98	56.00	13.76	0.00	22.91	0.00	44.02	0.00	22.91	52.82	0.00	0.00	-29.91
1132+00.00	113200.00	100	130.47	56.00	2.93	0.00	254.54	0.00	30.91	0.00	277.44	89.91	0.00	0.00	187.53
1132+50.00	113250.00	50	130.60	56.00	4.74	0.00	241.73	0.00	7.10	0.00	519.18	98.43	0.00	0.00	420.74
1133+00.00	113300.00	50	127.75	56.00	5.90	0.00	239.21	0.00	9.85	0.00	758.39	110.26	0.00	0.00	648.13
1133+50.00	113350.00	50	107.49	56.00	8.29	0.00	217.81	0.00	13.14	0.00	976.20	126.02	0.00	0.00	850.18
1134+00.00	113400.00	50	70.96	56.00	14.31	0.00	165.23	0.00	20.93	0.00	1141.44	151.13	0.00	0.00	990.30
1134+50.00	113450.00	50	33.48	56.00	17.36	0.00	96.70	0.00	29.32	0.00	1238.14	186.32	0.00	0.00	1051.82
1135+00.00	113500.00	50	9.89	56.00	28.30	0.00	40.16	0.00	42.28	0.00	1278.30	237.06	0.00	0.00	1041.24
1135+50.00	113550.00	50	5.18	56.00	41.69	0.00	13.95	0.00	64.81	0.00	1292.25	314.82	0.00	0.00	977.43
1136+00.00	113600.00	50	0.36	56.00	58.04	0.00	5.13	0.00	92.34	0.00	1297.38	425.63	0.00	0.00	871.75
1136+50.00	113650.00	50	0.00	56.00	74.60	0.00	0.33	0.00	122.81	0.00	1297.71	573.01	0.00	0.00	724.70
1137+00.00	113700.00	50	0.00	56.00	84.56	0.00	0.00	0.00	147.37	0.00	1297.71	749.86	0.00	0.00	547.86
1137+00.00	113700.00	0	51.61	56.00	31.29	0.00	0.00	0.00	0.00	0.00	1297.71	749.86	0.00	0.00	547.86
1138+00.00	113800.00	100	43.31	56.00	26.84	0.00	160.41	0.00	107.65	0.00	1458.12	879.03	0.00	0.00	594.46
1139+00.00	113900.00	100	47.12	56.00	28.47	0.00	167.46	0.00	102.43	0.00	1625.58	1001.94	0.00	0.00	639.01
1140+00.00	114000.00	100	51.86	56.00	18.80	0.00	183.30	0.00	87.54	0.00	1808.88	1106.99	0.00	0.00	717.26
1141+00.00	114100.00	100	55.02	56.00	14.50	0.00	197.93	0.00	61.67	0.00	2006.81	1180.99	0.00	0.00	841.19
1142+00.00	114200.00	100	57.75	56.00	25.18	0.00	208.83	0.00	73.48	0.00	2215.64	1269.17	0.00	0.00	961.84
1143+00.00	114300.00	100	52.47	56.00	29.82	0.00	204.11	0.00	101.85	0.00	2419.75	1391.39	0.00	0.00	1043.73
1144+00.00	114400.00	100	55.87	56.00	41.76	0.00	200.63	0.00	132.56	0.00	2620.38	1550.46	0.00	0.00	1085.29
1145+00.00	114500.00	100	66.86	56.00	56.53	0.00	227.28	0.00	182.02	0.00	2847.66	1768.88	0.00	0.00	1094.15
1146+00.00	114600.00	100	103.22	56.00	80.72	0.00	314.96	0.00	254.17	0.00	3162.62	2073.88	0.00	0.00	1104.11
1147+00.00	114700.00	100	117.15	56.00	103.88	0.00	408.09	0.00	341.85	0.00	3570.71	2484.10	0.00	0.00	1101.98
1148+00.00	114800.00	100	152.38	56.00	152.39	0.00	499.13	0.00	474.57	0.00	4069.84	3053.59	0.00	0.00	1031.62
1149+00.00	114900.00	100	160.37	56.00	143.74	0.00	579.17	0.00	548.39	0.00	4649.01	3711.66	0.00	0.00	952.72
1149+32.00	114932.00	32	171.29	56.00	133.83	0.00	196.54	0.00	164.49	0.00	4845.55	3909.04	0.00	0.00	951.88
1150+00.00	115000.00	68	189.57	56.00	142.11	0.00	454.42	0.00	347.48	0.00	5299.96	4326.01	0.00	0.00	989.32
1151+00.00	115100.00	100	223.95	56.00	99.29	0.00	765.78	0.00	447.04	0.00	6065.74	4862.46	0.00	0.00	1218.65
1152+00.00	115200.00	100	252.61	56.00	113.42	0.00	882.52	0.00	393.91	0.00	6948.26	5335.15	0.00	0.00	1628.48
1152+00.00	115200.00	0	201.84	56.00	0.05	0.00	0.00	0.00	0.00	0.00	6948.26	5335.15	0.00	0.00	1628.48
1153+00.00	115300.00	100	245.42	56.00	0.00	0.00	828.26	0.00	0.09	0.00	7776.52	5335.26	0.00	0.00	2456.63
1154+00.00	115400.00	100	282.87	56.00	0.00	0.00	978.31	0.00	0.00	0.00	8754.84	5335.26	0.00	0.00	3434.95
1155+00.00	115500.00	100	200.50	56.00	0.80	0.00	895.13	0.00	1.48	0.00	9649.96	5337.04	0.00	0.00	4328.30

(CONTINUED ON NEXT SHEET)

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 EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

(CONTINUED)

Division 4 IH 94 SB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	Fill	EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.20	Expanded EBS Backfill 1.30 Note 4	Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
1156+00.00	115600.00	100	288.40	56.00	0.78	0.00	905.37	0.00	2.93	0.00	10555.34	5340.55	0.00	0.00	5230.16
1157+00.00	115700.00	100	285.76	56.00	3.34	0.00	1063.26	0.00	7.63	0.00	11618.59	5349.70	0.00	0.00	6284.26
1158+00.00	115800.00	100	291.69	56.00	1.11	0.00	1069.35	0.00	8.24	0.00	12687.95	5359.59	0.00	0.00	7343.72
1159+00.00	115900.00	100	321.90	56.00	5.18	0.00	1136.28	0.00	11.65	0.00	13824.22	5373.57	0.00	0.00	8466.02
1160+00.00	116000.00	100	330.35	56.00	3.31	0.00	1207.87	0.00	15.72	0.00	15032.09	5392.44	0.00	0.00	9655.03
1161+00.00	116100.00	100	208.76	56.00	19.07	0.00	998.35	0.00	41.44	0.00	16030.45	5442.17	0.00	0.00	10603.65
1162+00.00	116200.00	100	330.27	56.00	0.01	0.00	998.20	0.00	35.33	0.00	17028.65	5484.57	0.00	0.00	11559.45
1163+00.00	116300.00	100	816.50	56.00	0.01	0.00	2123.65	0.00	0.04	0.00	19152.30	5484.61	0.00	0.00	13683.05
1164+00.00	116400.00	100	765.00	56.00	3.08	0.00	2928.70	0.00	5.72	0.00	22081.00	5491.48	0.00	0.00	16604.89
1165+00.00	116500.00	100	670.90	56.00	5.27	0.00	2659.07	0.00	15.46	0.00	24740.08	5510.04	0.00	0.00	19245.41
1166+00.00	116600.00	100	573.21	56.00	9.83	0.00	2303.91	0.00	27.96	0.00	27043.98	5543.59	0.00	0.00	21515.76
1167+00.00	116700.00	100	487.68	56.00	9.48	0.00	1964.61	0.00	35.76	0.00	29008.59	5586.50	0.00	0.00	23437.46
1168+00.00	116800.00	100	312.55	56.00	13.63	0.00	1481.91	0.00	42.80	0.00	30490.50	5637.86	0.00	0.00	24868.01
1169+00.00	116900.00	100	240.45	56.00	13.71	0.00	1024.07	0.00	50.63	0.00	31514.58	5698.61	0.00	0.00	25831.33
1170+00.00	117000.00	100	171.07	56.00	20.63	0.00	762.07	0.00	63.59	0.00	32276.65	5774.93	0.00	0.00	26517.09
1171+00.00	117100.00	100	169.81	56.00	26.35	0.00	631.26	0.00	87.00	0.00	32907.91	5879.33	0.00	0.00	27043.95
1172+00.00	117200.00	100	169.09	56.00	33.68	0.00	627.59	0.00	111.17	0.00	33535.50	6012.73	0.00	0.00	27538.15
1173+00.00	117300.00	100	164.21	56.00	48.83	0.00	617.22	0.00	152.80	0.00	34152.72	6196.08	0.00	0.00	27972.01
1174+00.00	117400.00	100	157.40	56.00	74.42	0.00	595.57	0.00	228.24	0.00	34748.30	6469.97	0.00	0.00	28293.70
1174+50.00	117450.00	50	157.40	56.00	74.42	0.00	291.48	0.00	137.81	0.00	35039.78	6635.35	0.00	0.00	28419.80
1174+50.00	117450.00	0	202.28	56.00	23.61	0.00	0.00	0.00	0.00	0.00	35039.78	6635.35	0.00	0.00	28419.80
1175+00.00	117500.00	50	202.28	56.00	23.61	0.00	374.59	0.00	43.72	0.00	35414.37	6687.81	0.00	0.00	28741.93
1176+00.00	117600.00	100	238.87	56.00	6.27	0.00	816.94	0.00	55.33	0.00	36231.32	6754.21	0.00	0.00	29492.47
1177+00.00	117700.00	100	208.52	56.00	17.62	0.00	828.50	0.00	44.24	0.00	37059.82	6807.30	0.00	0.00	30267.88
1177+43.00	117743.00	43	198.37	56.00	12.85	0.00	324.01	0.00	24.26	0.00	37383.82	6836.42	0.00	0.00	30562.77
1178+00.00	117800.00	57	199.83	56.00	39.27	0.00	420.32	0.00	55.02	0.00	37804.14	6902.44	0.00	0.00	30917.08
1179+00.00	117900.00	100	186.15	56.00	67.40	0.00	714.78	0.00	197.54	0.00	38518.92	7139.48	0.00	0.00	31394.81
1180+00.00	118000.00	100	312.59	56.00	64.83	0.00	923.59	0.00	244.87	0.00	39442.51	7433.33	0.00	0.00	32024.56

(CONTINUED ON NEXT SHEET)

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 EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

(CONTINUED)

Division 4 IH 94 SB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.20	Expanded EBS Backfill 1.30 Note 4	Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
1181+00.00	118100.00	100	176.25	56.00	80.75	0.00	905.26	0.00	269.59	0.00	40347.77	7756.84	0.00	0.00	32606.31
1182+00.00	118200.00	100	175.24	56.00	87.69	0.00	650.91	0.00	311.93	0.00	40998.68	8131.15	0.00	0.00	32882.90
1182+27.00	118227.00	27	182.10	56.00	70.67	0.00	178.67	0.00	79.18	0.00	41177.35	8226.17	0.00	0.00	32966.56
1183+00.00	118300.00	73	179.64	56.00	98.64	0.00	489.02	0.00	228.88	0.00	41666.37	8500.82	0.00	0.00	33180.92
1184+00.00	118400.00	100	179.39	56.00	116.02	0.00	664.87	0.00	397.52	0.00	42331.24	8977.85	0.00	0.00	33368.76
1185+00.00	118500.00	100	188.93	56.00	87.45	0.00	682.07	0.00	376.80	0.00	43013.31	9430.00	0.00	0.00	33598.68
1186+00.00	118600.00	100	192.07	56.00	102.98	0.00	705.56	0.00	352.65	0.00	43718.87	9853.18	0.00	0.00	33881.06
1187+00.00	118700.00	100	199.85	56.00	129.72	0.00	725.78	0.00	430.93	0.00	44444.65	10370.29	0.00	0.00	34089.73
1188+00.00	118800.00	100	197.36	56.00	173.26	0.00	735.57	0.00	561.07	0.00	45180.22	11043.58	0.00	0.00	34152.01
1188+00.00	118800.00	0	113.83	56.00	147.72	0.00	0.00	0.00	0.00	0.00	45180.22	11043.58	0.00	0.00	34152.01
1188+50.00	118850.00	50	102.54	56.00	168.87	0.00	200.34	0.00	293.14	0.00	45380.56	11395.35	0.00	0.00	34000.59
1188+85.00	118885.00	35	93.30	56.00	174.23	0.00	126.93	0.00	222.38	0.00	45507.50	11662.20	0.00	0.00	33860.67
1188+89.00	118889.00	4	7.42	56.00	156.26	0.00	7.46	0.00	24.48	0.00	45514.96	11691.58	0.00	0.00	33838.75
1189+00.00	118900.00	11	7.62	56.00	153.16	0.00	3.06	0.00	63.03	0.00	45518.02	11767.21	0.00	0.00	33766.18
1190+00.00	119000.00	100	6.17	56.00	150.87	0.00	25.54	0.00	563.02	0.00	45543.56	12442.84	0.00	0.00	33116.09
1191+00.00	119100.00	100	7.34	56.00	138.14	0.00	25.02	0.00	535.20	0.00	45568.58	13085.08	0.00	0.00	32498.87
1192+00.00	119200.00	100	6.86	56.00	116.61	0.00	26.30	0.00	471.76	0.00	45594.87	13651.19	0.00	0.00	31959.05
1193+00.00	119300.00	100	7.36	56.00	81.51	0.00	26.33	0.00	366.89	0.00	45621.21	14091.46	0.00	0.00	31545.12
1194+00.00	119400.00	100	8.64	56.00	40.72	0.00	29.63	0.00	226.35	0.00	45650.84	14363.08	0.00	0.00	31303.13
1195+00.00	119500.00	100	9.84	56.00	21.97	0.00	34.22	0.00	116.09	0.00	45685.06	14502.39	0.00	0.00	31198.04
1196+00.00	119600.00	100	5.23	56.00	0.00	0.00	27.91	0.00	40.69	0.00	45712.97	14551.21	0.00	0.00	31177.12
1196+23.96	119623.96	24	0.00	56.00	0.04	0.00	2.32	0.00	0.02	0.00	45715.29	14551.24	0.00	0.00	31179.42
					COLUMN TOTALS		45715.29	0.00	12126.03	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 EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 4 RAMP NW

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	Fill	EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.20	Expanded EBS Backfill 1.30 Note 4	Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
1173+50.00	117350.00	0	7.8	56.00	76.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1174+00.00	117400.00	50	11.58	56.00	73.08	0.00	17.94	0.00	138.64	0.00	17.94	166.37	0.00	0.00	-148.42
1174+50.00	117450.00	50	15.56	56.00	24.33	0.00	25.13	0.00	90.19	0.00	43.07	274.60	0.00	0.00	-231.53
1175+00.00	117500.00	50	9.53	56.00	37.5	0.00	23.23	0.00	57.25	0.00	66.31	343.30	0.00	0.00	-276.99
						COLUMN TOTALS	66.31	0.00	286.08	0.00					

Division 4 RAMP SW

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	Fill	EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.20	Expanded EBS Backfill 1.30 Note 4	Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
1152+00.00	115200.00	0	170.54	0.00	64.89	0.00	0.00	56.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1152+50.00	115250.00	50	183.93	0.00	51.27	0.00	328.21	56.00	107.56	0.00	328.21	129.07	0.00	0.00	143.15
1153+00.00	115300.00	100	204.02	0.00	33.40	0.00	718.43	56.00	156.80	0.00	1046.64	317.22	0.00	0.00	617.42
1153+50.00	115350.00	50	0.00	0.00	0.00	0.00	188.91	56.00	30.93	0.00	1235.55	354.33	0.00	0.00	713.21
						COLUMN TOTALS	1235.55	224.00	295.28	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 EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 7 IH 94 NB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.20	Expanded EBS Backfill 1.30 Note 4	Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
1132+00.00	113200.00	0	111.37	0.00	26.93	0.00	0.00	56.00	0.00	0.00	0.00	0.00	0.00	0.00	
1132+50.00	113250.00	50	116.21	0.00	20.63	0.00	210.72	56.00	44.04	0.00	210.72	52.84	0.00	0.00	101.88
1133+00.00	113300.00	50	112.27	0.00	16.28	0.00	211.56	56.00	34.18	0.00	422.28	93.86	0.00	0.00	216.42
1133+50.00	113350.00	50	90.88	0.00	19.62	0.00	188.10	56.00	33.24	0.00	610.38	133.74	0.00	0.00	308.64
1134+00.00	113400.00	50	65.11	0.00	14.95	0.00	144.44	56.00	32.01	0.00	754.81	172.16	0.00	0.00	358.66
1134+50.00	113450.00	50	38.67	0.00	23.97	0.00	96.09	56.00	36.04	0.00	850.91	215.40	0.00	0.00	355.51
1135+00.00	113500.00	50	14.81	0.00	31.07	0.00	49.52	56.00	50.96	0.00	900.43	276.56	0.00	0.00	287.87
1135+50.00	113550.00	50	4.41	0.00	35.74	0.00	17.80	56.00	61.86	0.00	918.22	350.79	0.00	0.00	175.43
1136+00.00	113600.00	50	0.36	0.00	48.07	0.00	4.42	56.00	77.60	0.00	922.64	443.91	0.00	0.00	30.73
1136+50.00	113650.00	50	0.00	0.00	53.41	0.00	0.33	56.00	93.96	0.00	922.97	556.67	0.00	0.00	-137.69
1137+00.00	113700.00	50	0.00	0.00	52.87	0.00	0.00	56.00	98.41	0.00	922.97	674.76	0.00	0.00	-311.78
1137+00.00	113700.00	0	56.07	0.00	27.28	0.00	0.00	56.00	0.00	0.00	922.97	674.76	0.00	0.00	-367.78
1138+00.00	113800.00	100	55.77	0.00	33.58	0.00	207.11	56.00	112.70	0.00	1130.08	810.00	0.00	0.00	-351.92
1139+00.00	113900.00	100	59.55	0.00	27.39	0.00	213.56	56.00	112.91	0.00	1343.64	945.49	0.00	0.00	-329.85
1140+00.00	114000.00	100	60.76	0.00	41.91	0.00	222.80	56.00	128.33	0.00	1566.44	1099.49	0.00	0.00	-317.05
1141+00.00	114100.00	100	77.72	0.00	31.34	0.00	256.44	56.00	135.65	0.00	1822.88	1262.27	0.00	0.00	-279.39
1142+00.00	114200.00	100	85.79	0.00	1.83	0.00	302.80	56.00	61.43	0.00	2125.68	1335.98	0.00	0.00	-106.30
1143+00.00	114300.00	100	156.25	0.00	0.50	0.00	448.22	56.00	4.31	0.00	2573.90	1341.16	0.00	0.00	280.74
1144+00.00	114400.00	100	216.84	0.00	81.76	0.00	690.91	56.00	152.33	0.00	3264.81	1523.96	0.00	0.00	732.85
1145+00.00	114500.00	100	177.51	0.00	140.76	0.00	730.28	56.00	412.07	0.00	3995.08	2018.44	0.00	0.00	912.64
1146+00.00	114600.00	100	276.39	0.00	174.10	0.00	840.56	56.00	583.07	0.00	4835.64	2718.13	0.00	0.00	997.51
1147+00.00	114700.00	100	92.66	0.00	115.48	0.00	683.43	56.00	536.26	0.00	5519.06	3361.64	0.00	0.00	981.42
1148+00.00	114800.00	100	101.01	0.00	227.33	0.00	358.65	56.00	634.83	0.00	5877.71	4123.44	0.00	0.00	522.27
1149+00.00	114900.00	100	112.20	0.00	346.91	0.00	394.83	56.00	1063.41	0.00	6272.55	5399.53	0.00	0.00	-414.99
1149+32.00	114932.00	32	116.51	0.00	381.80	0.00	135.53	56.00	431.83	0.00	6408.08	5917.73	0.00	0.00	-853.65
1150+00.00	115000.00	68	127.70	0.00	444.01	0.00	307.52	56.00	1039.91	0.00	6715.60	7165.62	0.00	0.00	-1850.02

(CONTINUED ON NEXT SHEET)

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 EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

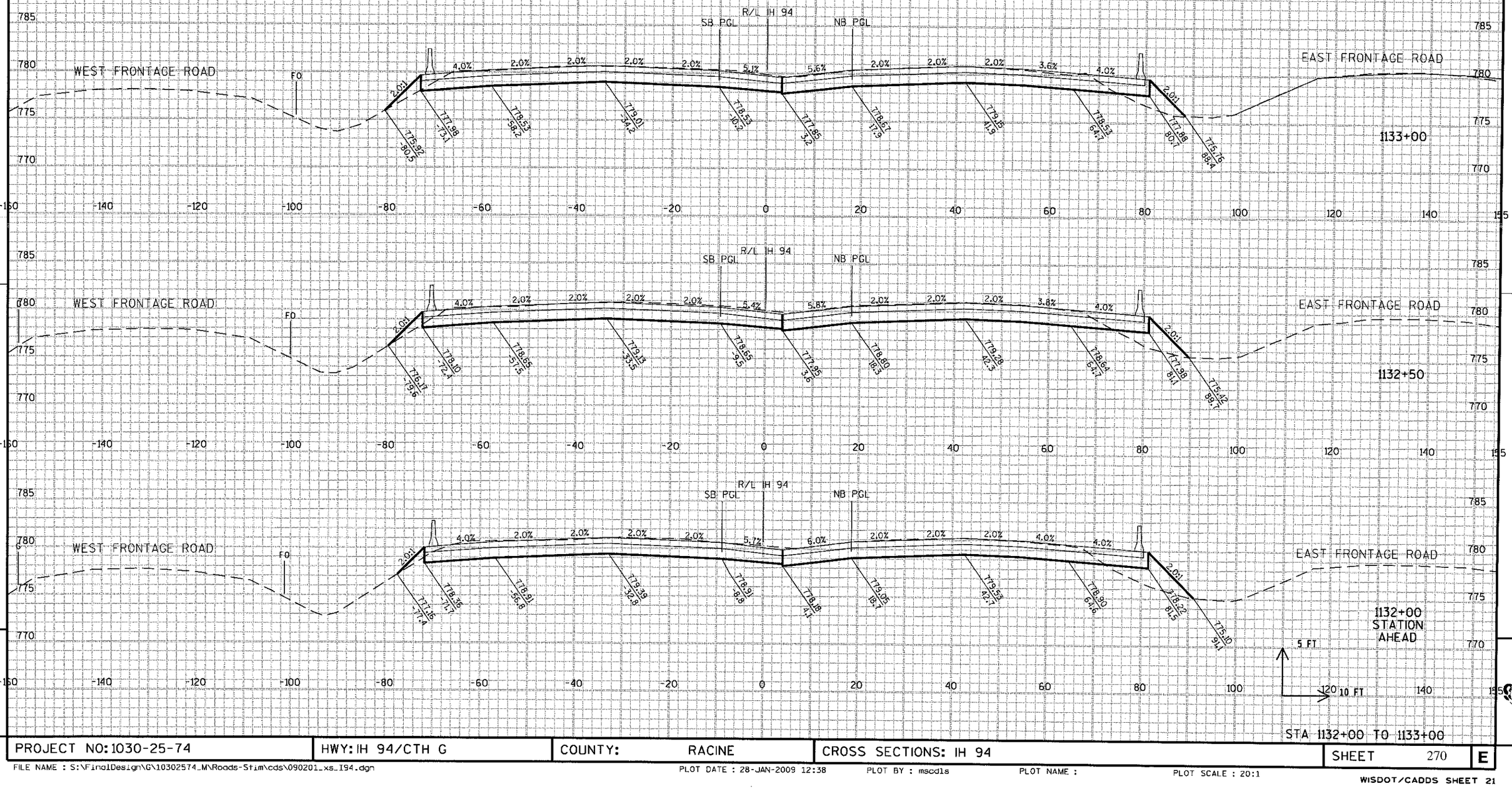
(CONTINUED)

Division 7 IH 94 NB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	Fill	EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.20	Expanded EBS Backfill 1.30 Note 4	Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
1150+00.00	115000.00	0	127.70	0.00	73.03		0.00	56.00	0.00	0.00	0.00	0.00	0.00	0.00	
1151+00.00	115100.00	100	147.96	0.00	55.03	0.00	510.48	56.00	237.15	0.00	510.48	284.58	0.00	0.00	169.90
1152+00.00	115200.00	100	161.52	0.00	44.01	0.00	573.11	56.00	183.41	0.00	1083.59	504.67	0.00	0.00	466.93
1153+00.00	115300.00	100	175.23	0.00	51.10	0.00	623.61	56.00	176.13	0.00	1707.20	716.02	0.00	0.00	823.18
1154+00.00	115400.00	100	187.18	0.00	44.10	0.00	671.13	56.00	176.30	0.00	2378.33	927.58	0.00	0.00	1226.76
1155+00.00	115500.00	100	205.07	0.00	32.74	0.00	726.39	56.00	142.30	0.00	3104.72	1098.33	0.00	0.00	1726.39
1156+00.00	115600.00	100	219.41	0.00	24.12	0.00	786.07	56.00	105.30	0.00	3890.80	1224.69	0.00	0.00	2330.11
1157+00.00	115700.00	100	227.25	0.00	23.93	0.00	827.15	56.00	88.98	0.00	4717.94	1331.47	0.00	0.00	2994.48
1158+00.00	115800.00	100	220.65	0.00	41.40	0.00	829.44	56.00	120.98	0.00	5547.39	1476.64	0.00	0.00	3622.74
1159+00.00	115900.00	100	226.46	0.00	65.34	0.00	827.98	56.00	197.67	0.00	6375.37	1713.84	0.00	0.00	4157.53
1160+00.00	116000.00	100	254.34	0.00	36.12	0.00	890.37	56.00	187.89	0.00	7265.74	1939.31	0.00	0.00	4766.43
1161+00.00	116100.00	100	290.12	0.00	2.69	0.00	1008.26	56.00	71.87	0.00	8274.00	2025.56	0.00	0.00	5632.44
1162+00.00	116200.00	100	260.20	0.00	0.00	0.00	1019.11	56.00	4.98	0.00	9293.11	2031.53	0.00	0.00	6589.58
1163+00.00	116300.00	100	323.23	0.00	0.00	0.00	1080.43	56.00	0.00	0.00	10373.54	2031.53	0.00	0.00	7614.00
1164+00.00	116400.00	100	273.56	0.00	0.00	0.00	1105.17	56.00	0.00	0.00	11478.70	2031.53	0.00	0.00	8663.17
1165+00.00	116500.00	100	205.78	0.00	13.03	0.00	887.67	56.00	24.13	0.00	12366.37	2060.49	0.00	0.00	9465.88
1166+00.00	116600.00	100	168.88	0.00	50.30	0.00	693.81	56.00	117.28	0.00	13060.19	2201.22	0.00	0.00	9962.96
1167+00.00	116700.00	100	171.92	0.00	55.95	0.00	631.11	56.00	196.76	0.00	13691.30	2437.33	0.00	0.00	10301.96
1168+00.00	116800.00	100	164.09	0.00	35.90	0.00	622.24	56.00	170.09	0.00	14313.54	2641.44	0.00	0.00	10664.09
1169+00.00	116900.00	100	177.34	0.00	10.66	0.00	632.28	56.00	86.22	0.00	14945.81	2744.91	0.00	0.00	11136.90
1170+00.00	117000.00	100	195.78	0.00	0.86	0.00	690.96	56.00	21.33	0.00	15636.78	2770.51	0.00	0.00	11746.27
1171+00.00	117100.00	100	207.86	0.00	0.00	0.00	747.48	56.00	1.59	0.00	16384.26	2772.42	0.00	0.00	12435.84
1172+00.00	117200.00	100	209.40	0.00	0.00	0.00	772.70	56.00	0.00	0.00	17156.96	2772.42	0.00	0.00	13152.54
1173+00.00	117300.00	100	197.98	0.00	0.00	0.00	754.41	56.00	0.00	0.00	17911.37	2772.42	0.00	0.00	13850.95
1173+50.00	117350.00	50	197.98	0.00	0.00	0.00	366.63	56.00	0.00	0.00	18278.00	2772.42	0.00	0.00	14161.58

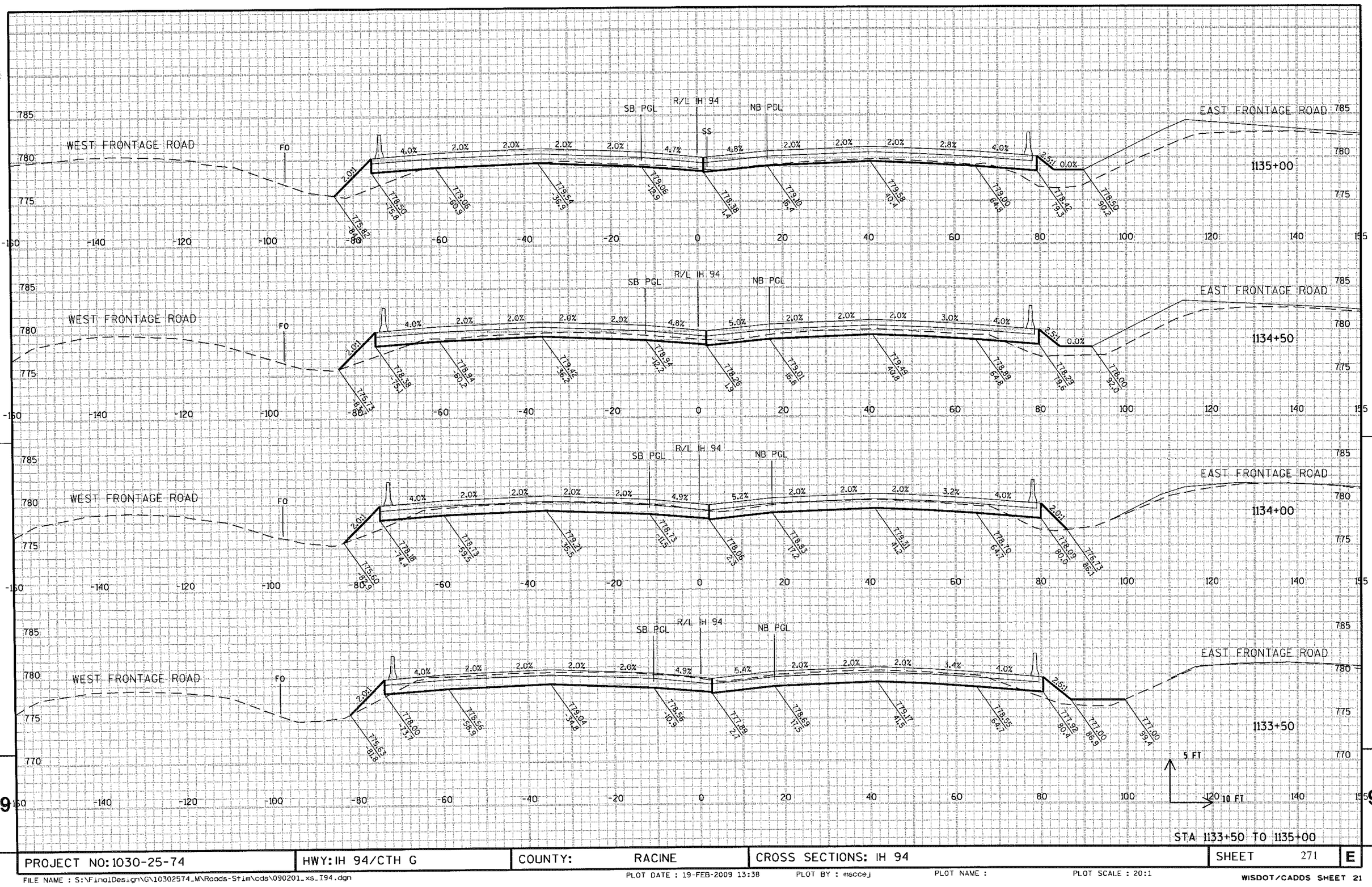
(CONTINUED ON NEXT SHEET)

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 EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]



PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET 270	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\090201_xs_I94.dgn
PLOT DATE : 28-JAN-2009 12:38 PLOT BY : mscdls PLOT NAME : PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

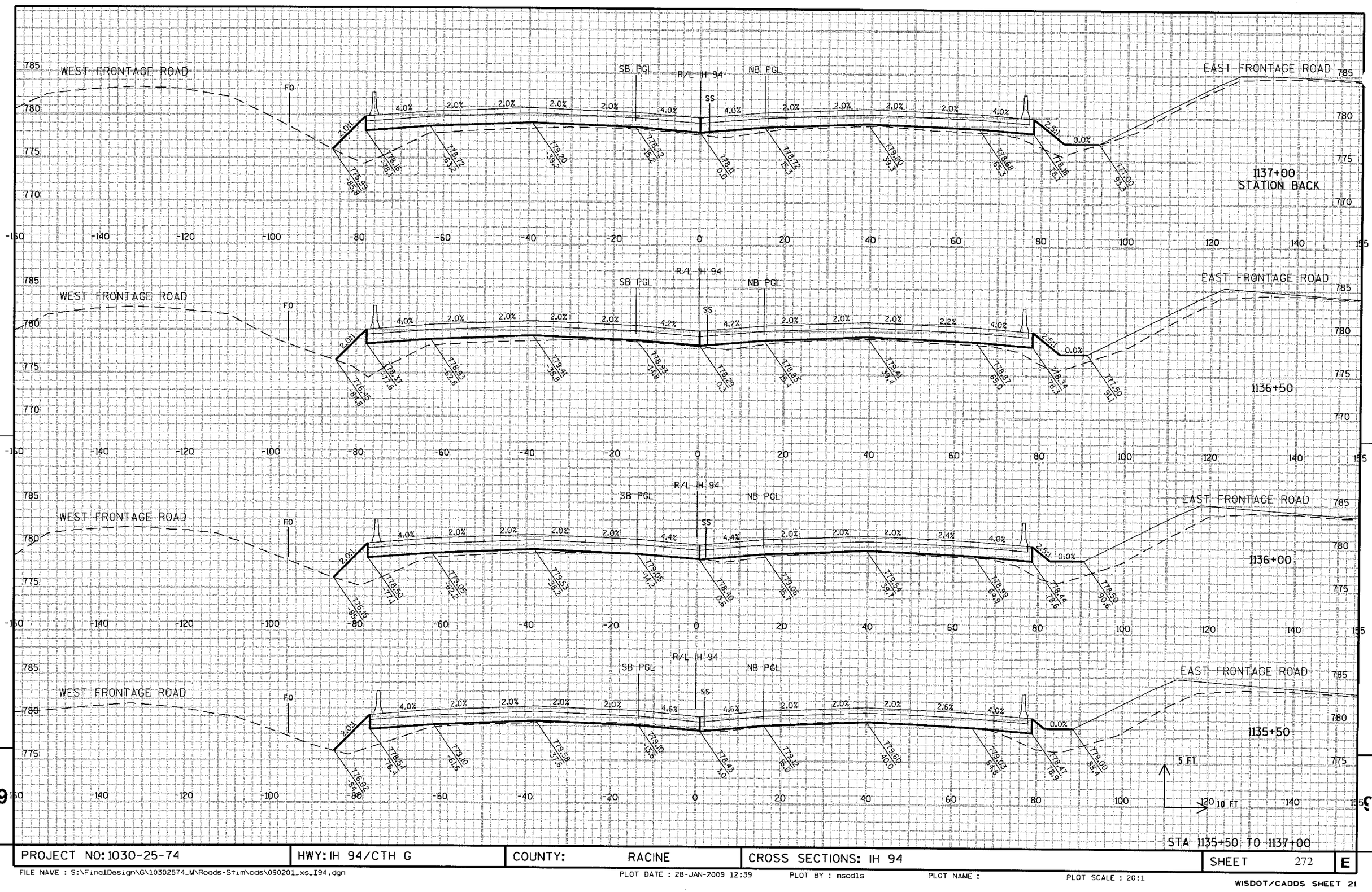


STA 1133+50 TO 1135+00

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET 271	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\090201_xs_I94.dgn PLOT DATE : 19-FEB-2009 13:38 PLOT BY : msccej PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

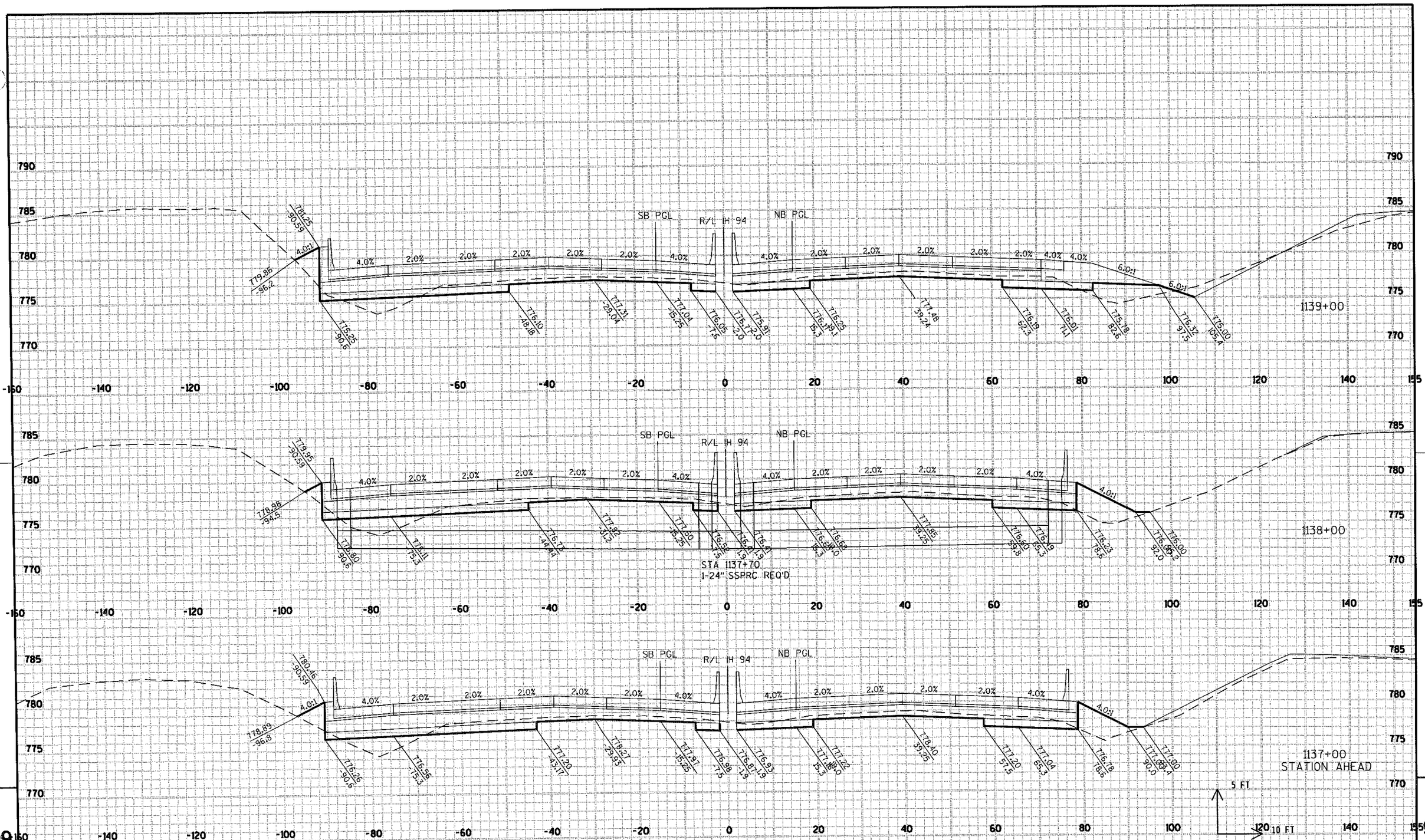


STA 1135+50 TO 1137+00

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET 272	E

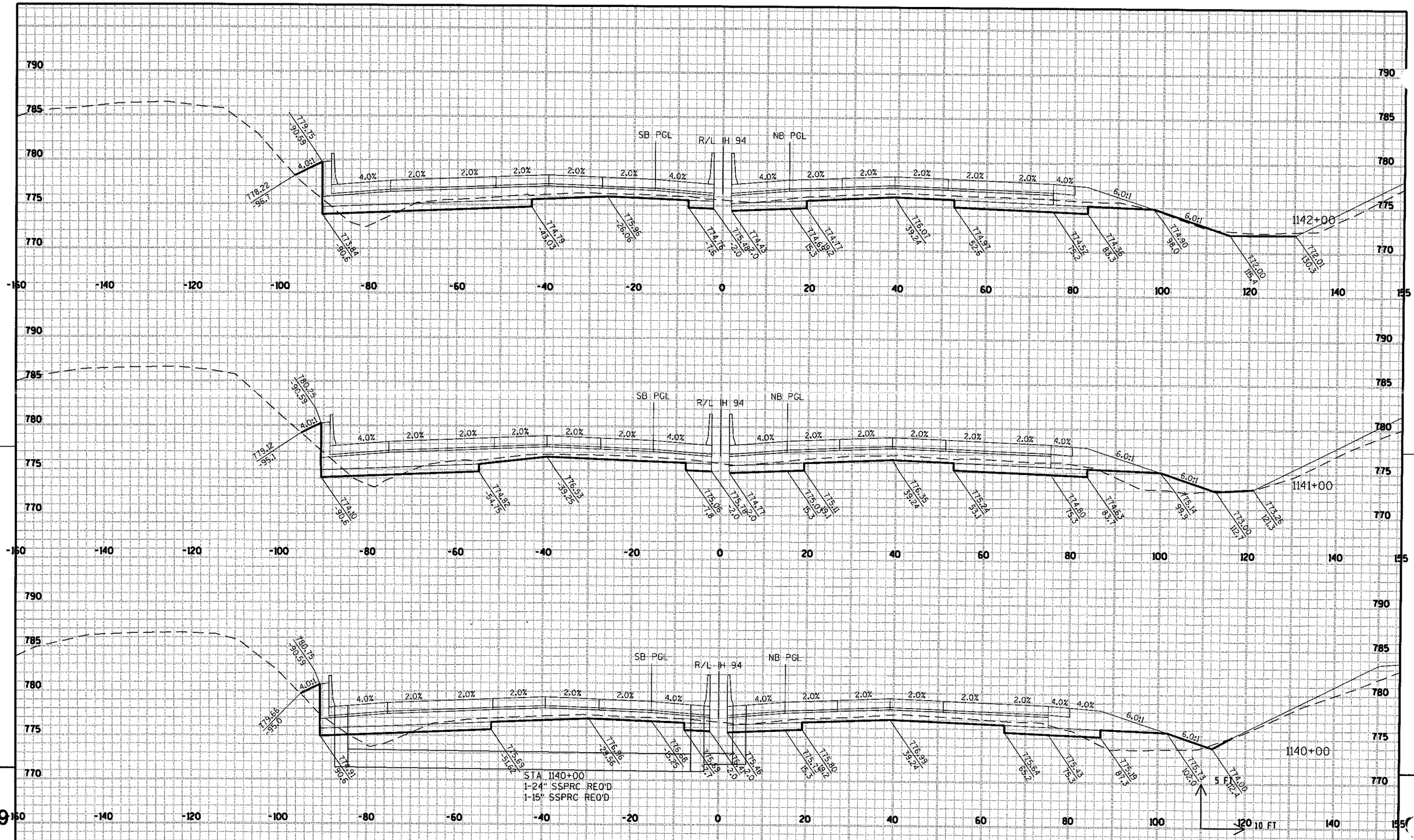
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PLOT DATE : 28-JAN-2009 12:39 PLOT BY : mscdls PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET 273	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roods-Stim\cds\090202_xs_I94.dgn
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WISDOT/CADDS SHEET 21

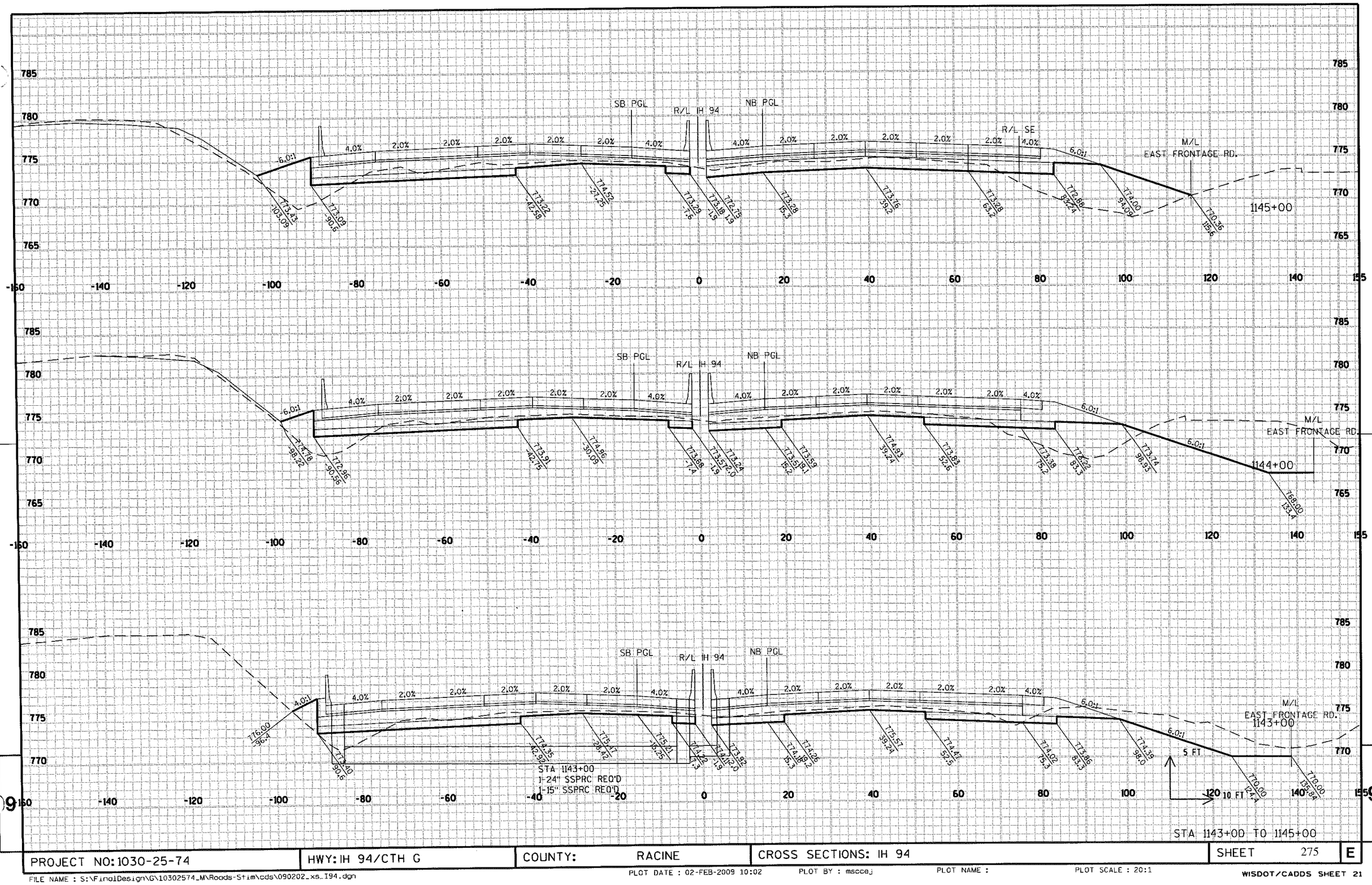


STA 1140+00 TO 1142+00

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET 274	E

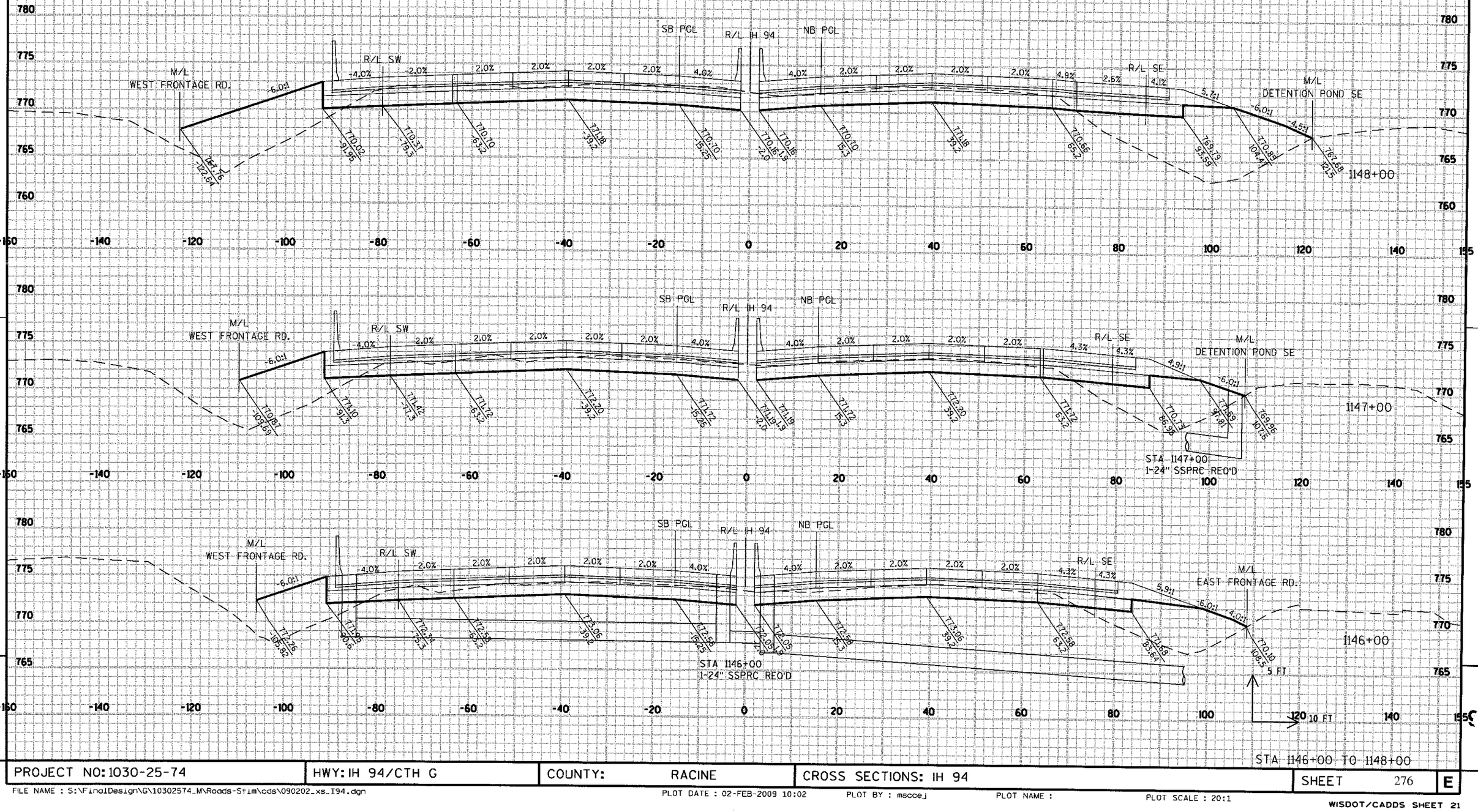
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WISDOT/CADDS SHEET 21



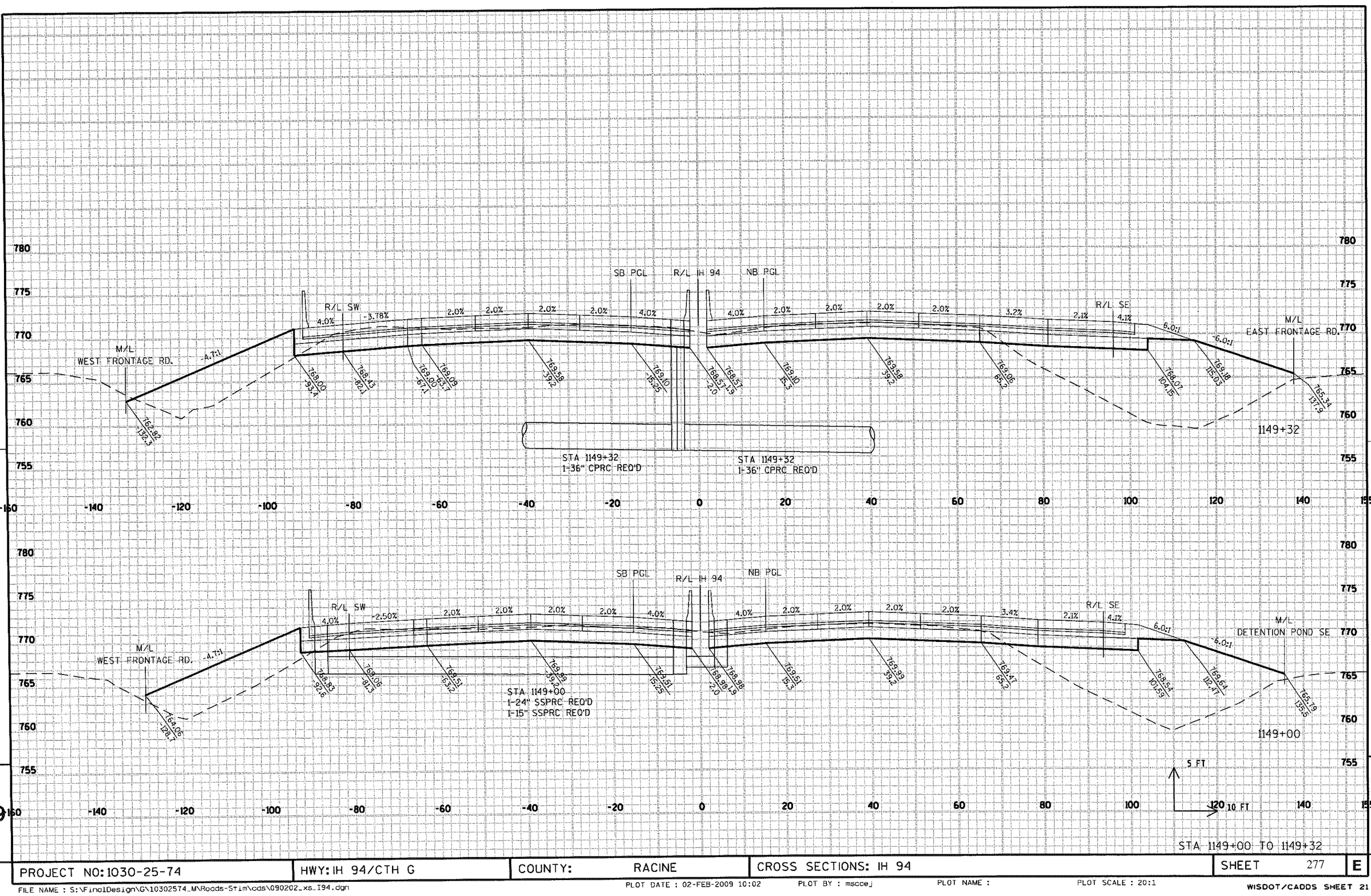
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PLOT DATE : 02-FEB-2009 10:02 PLOT BY : msccej PLOT NAME : PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21



PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET 276	E

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PLOT BY : mscce
PLOT NAME :
PLOT SCALE : 20:1

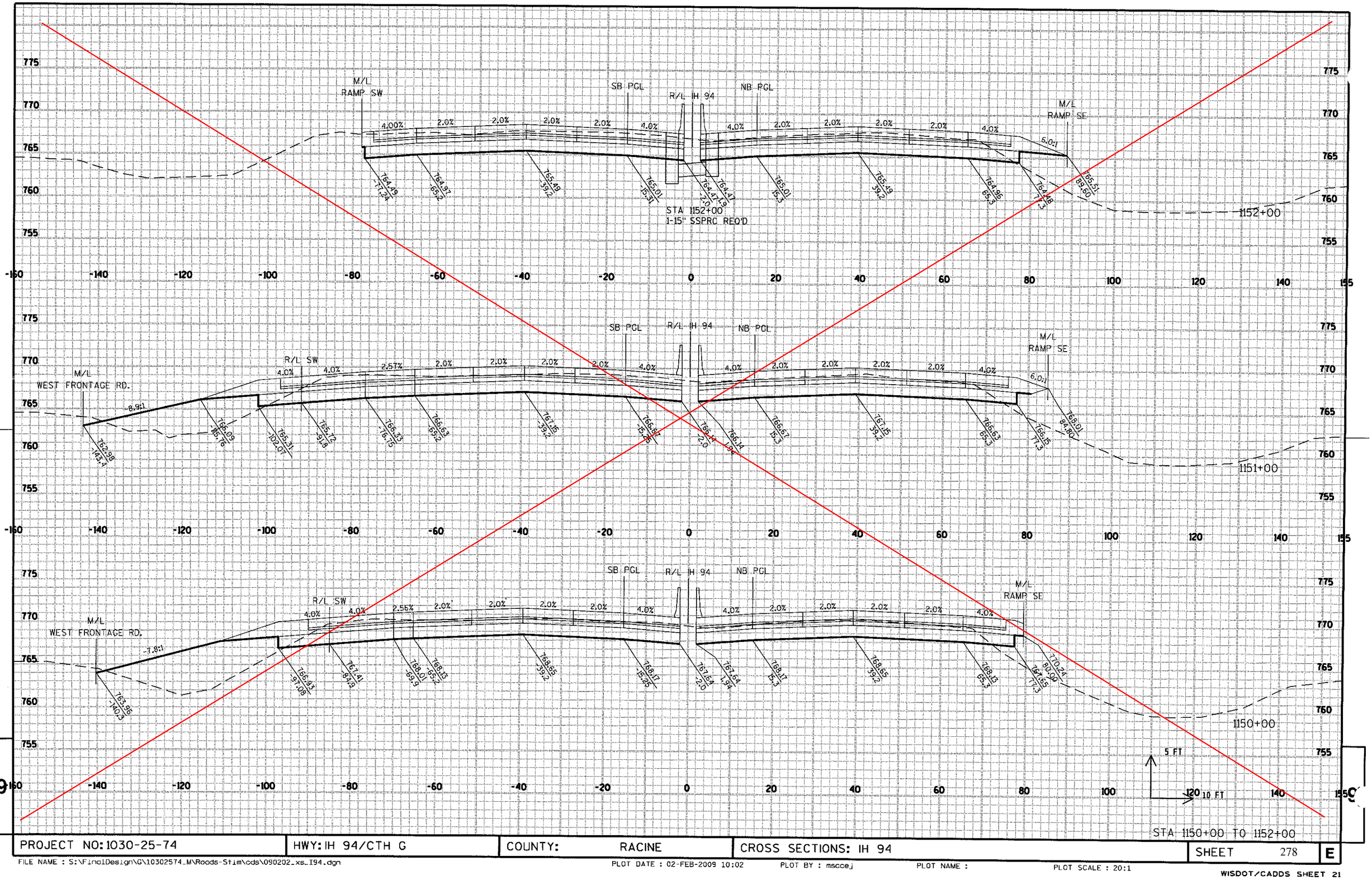


PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET 277	E

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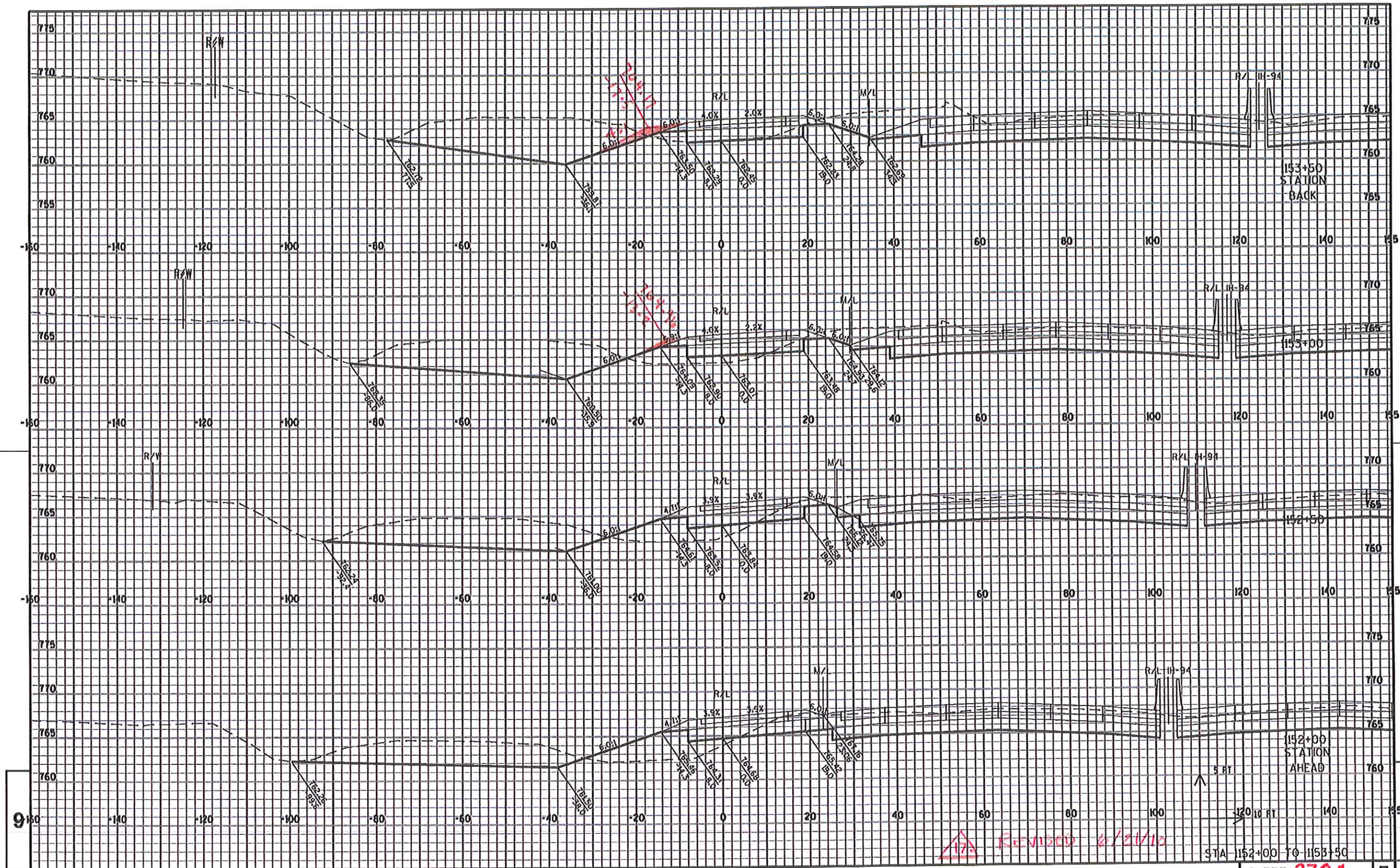
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WISDOT/CADDS SHEET 21



PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET 278	E

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WISDOT/CADDS SHEET 21

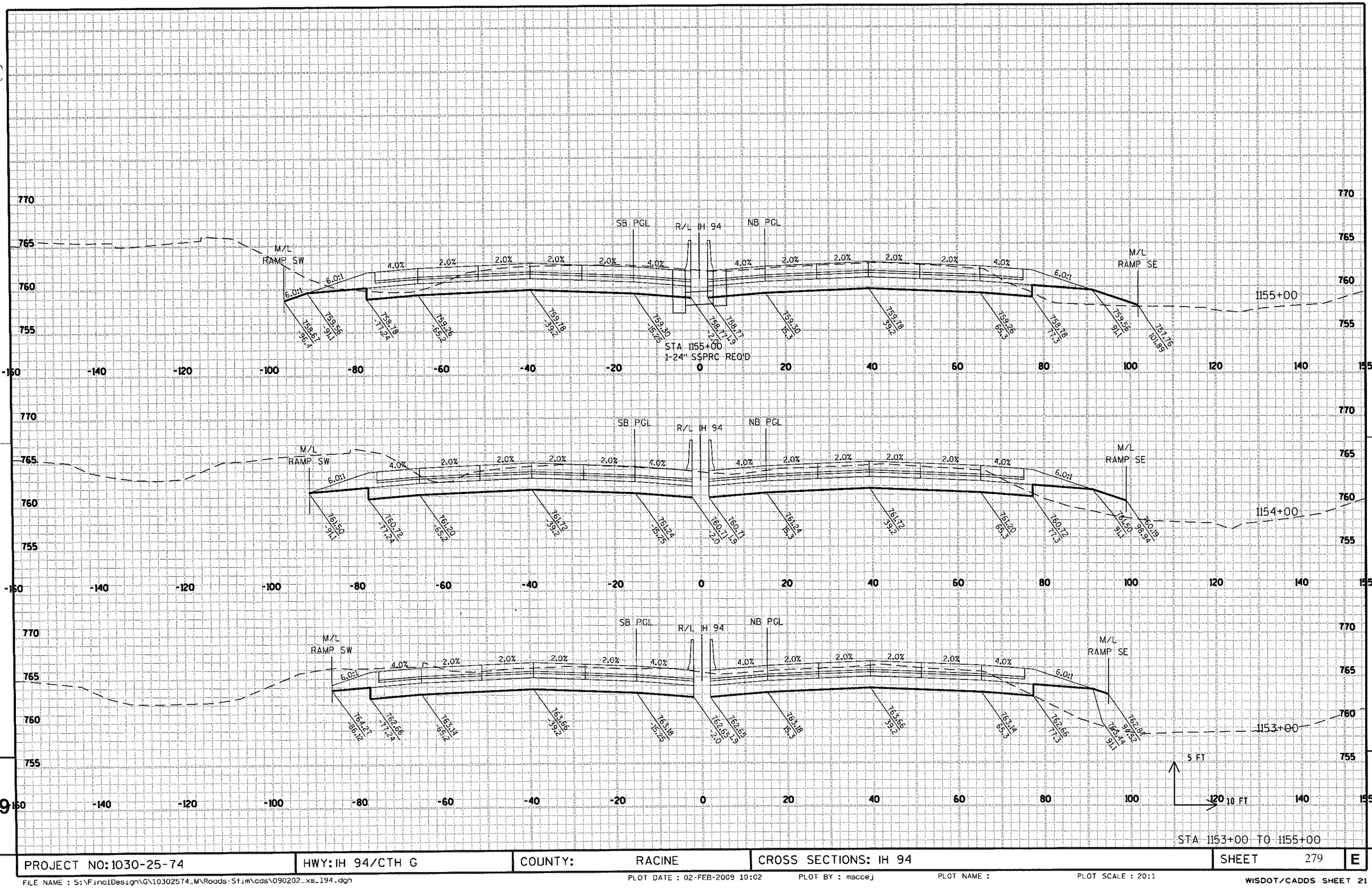


Revised 6/21/10

STA 1152+00 TO 1153+50

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: RAMP SW	SHEET 278A	E

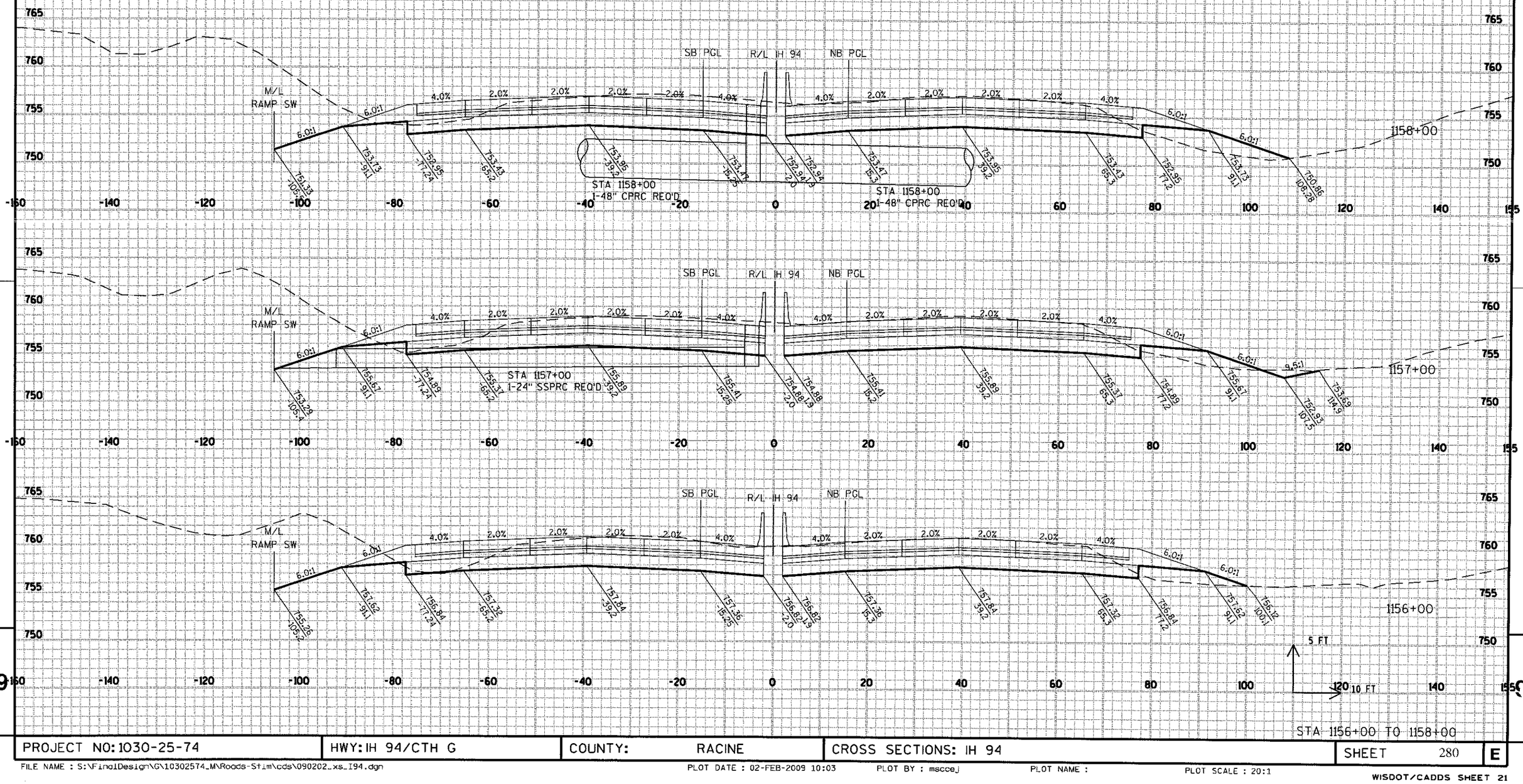
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PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET 279	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\090202_xs_I94.dgn PLOT DATE : 02-FEB-2009 10:02 PLOT BY : msccej PLOT NAME : PLOT SCALE : 20:1

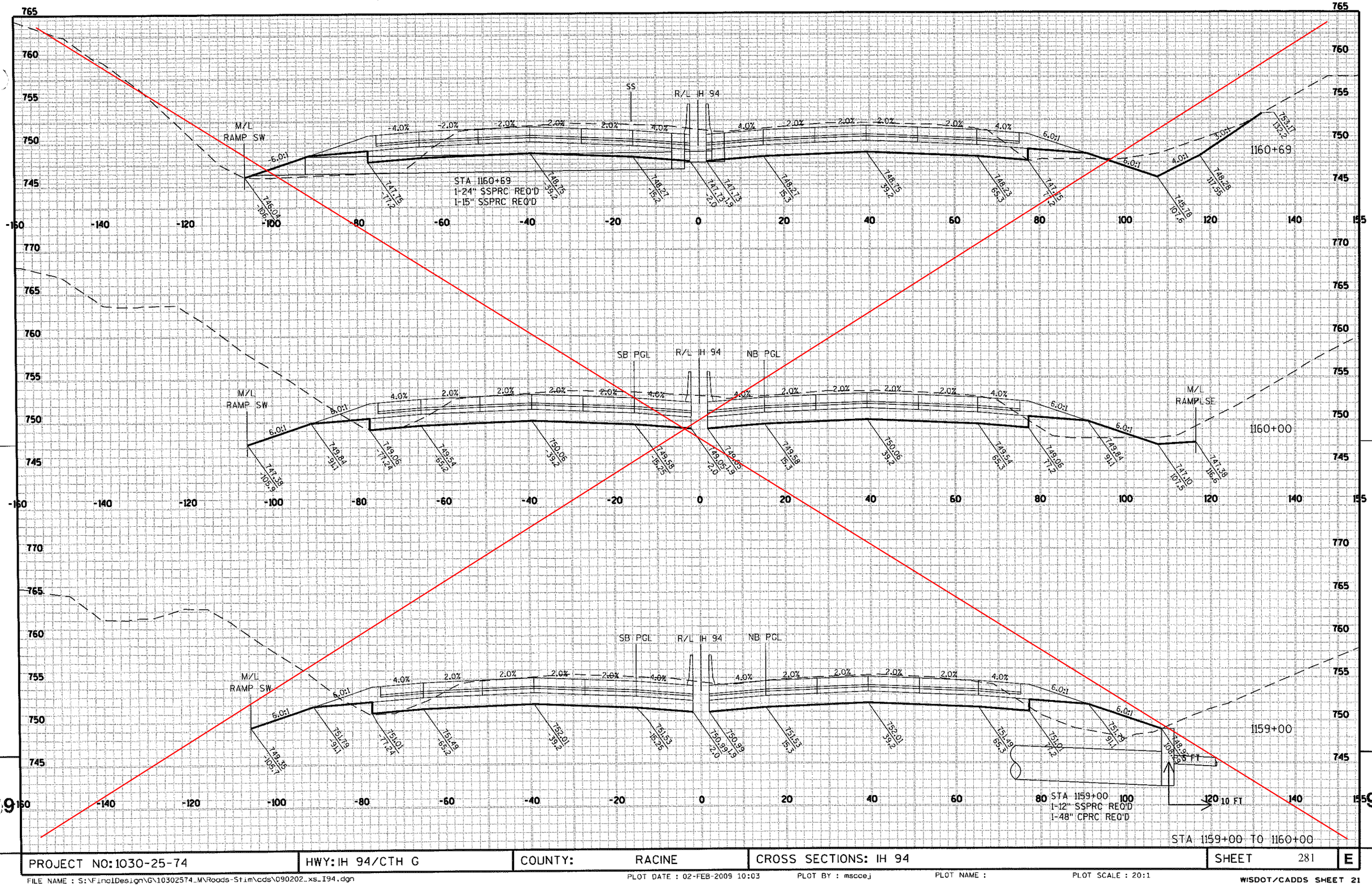
WISDOT/CADDS SHEET 21



PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET 280	E

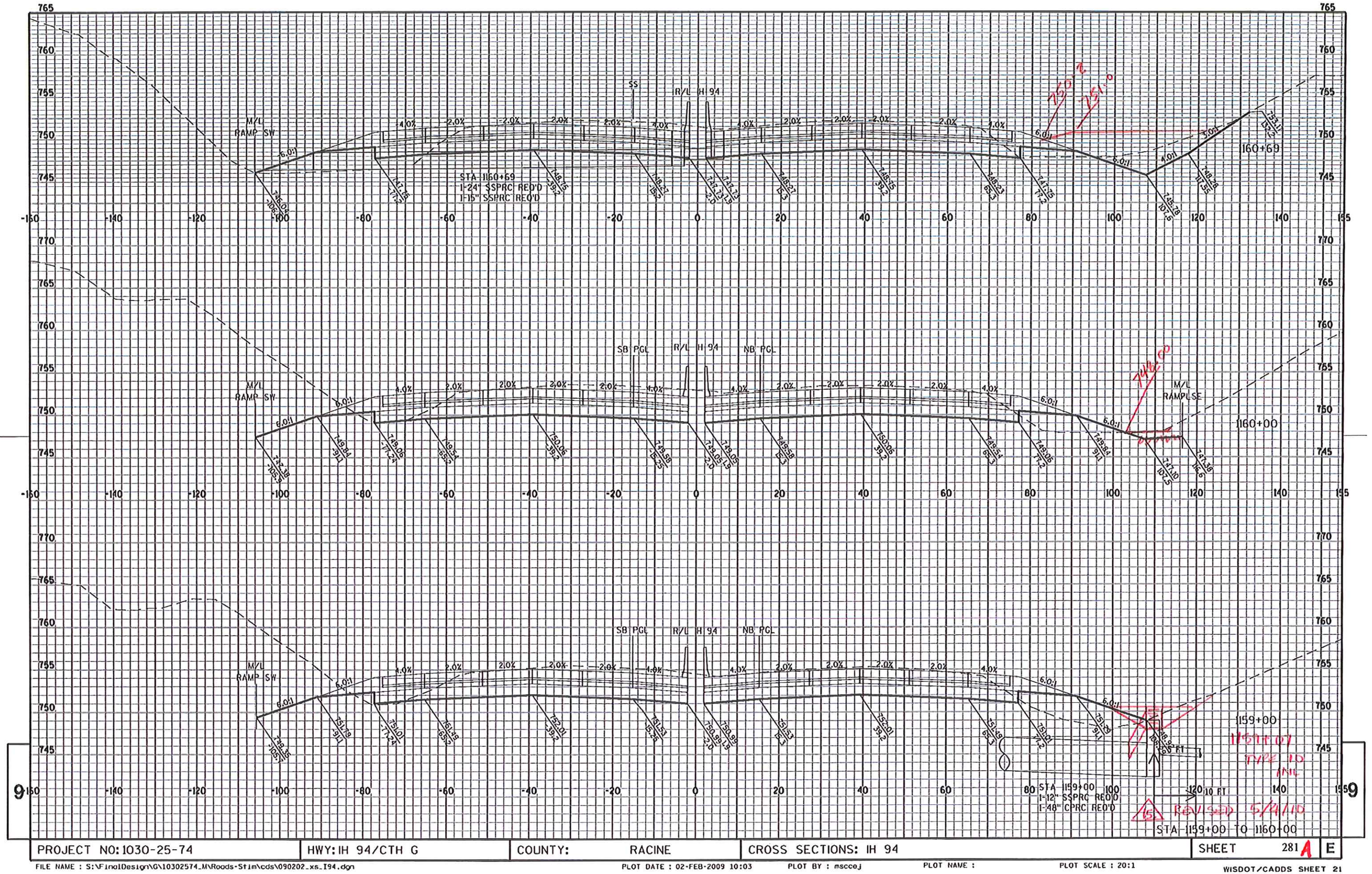
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WISDOT/CADDS SHEET 21



PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET 281	E

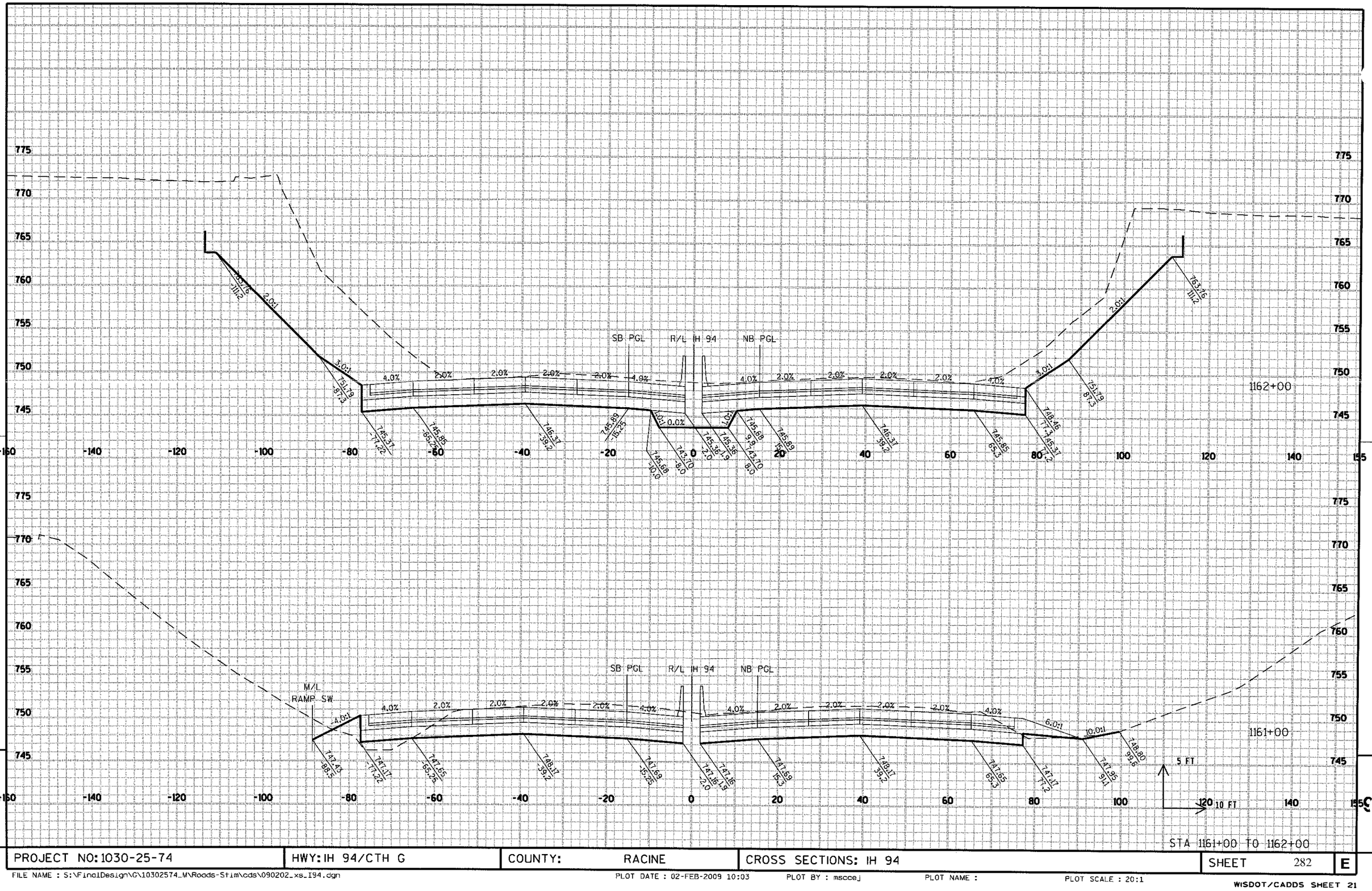
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PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET 281 A	E

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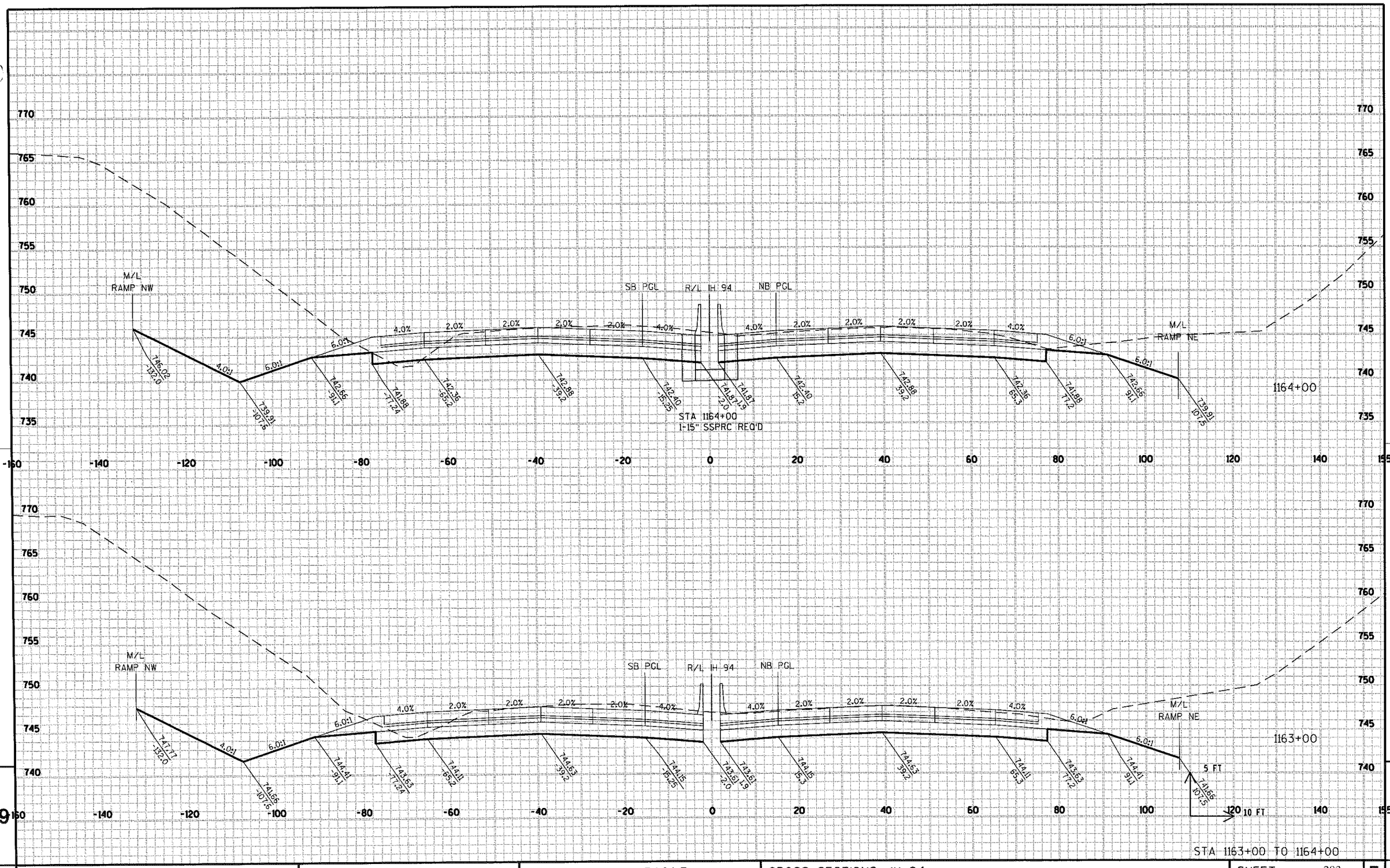
WISDOT/CADDS SHEET 21



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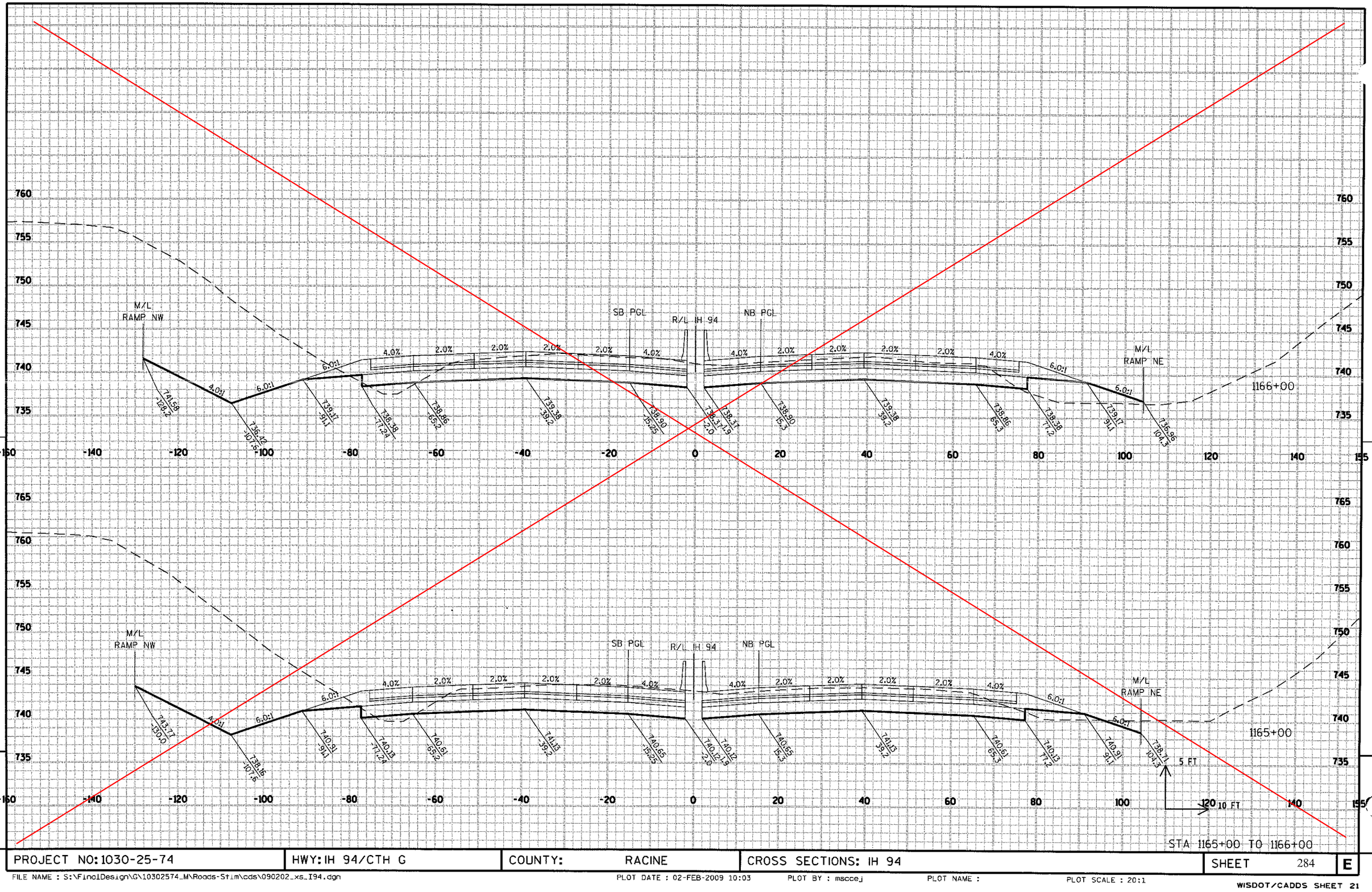
WISDOT/CADDS SHEET 21



PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET 283	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\090202_xs_I94.dgn PLOT DATE : 02-FEB-2009 10:03 PLOT BY : mscce1 PLOT NAME : PLOT SCALE : 20:1

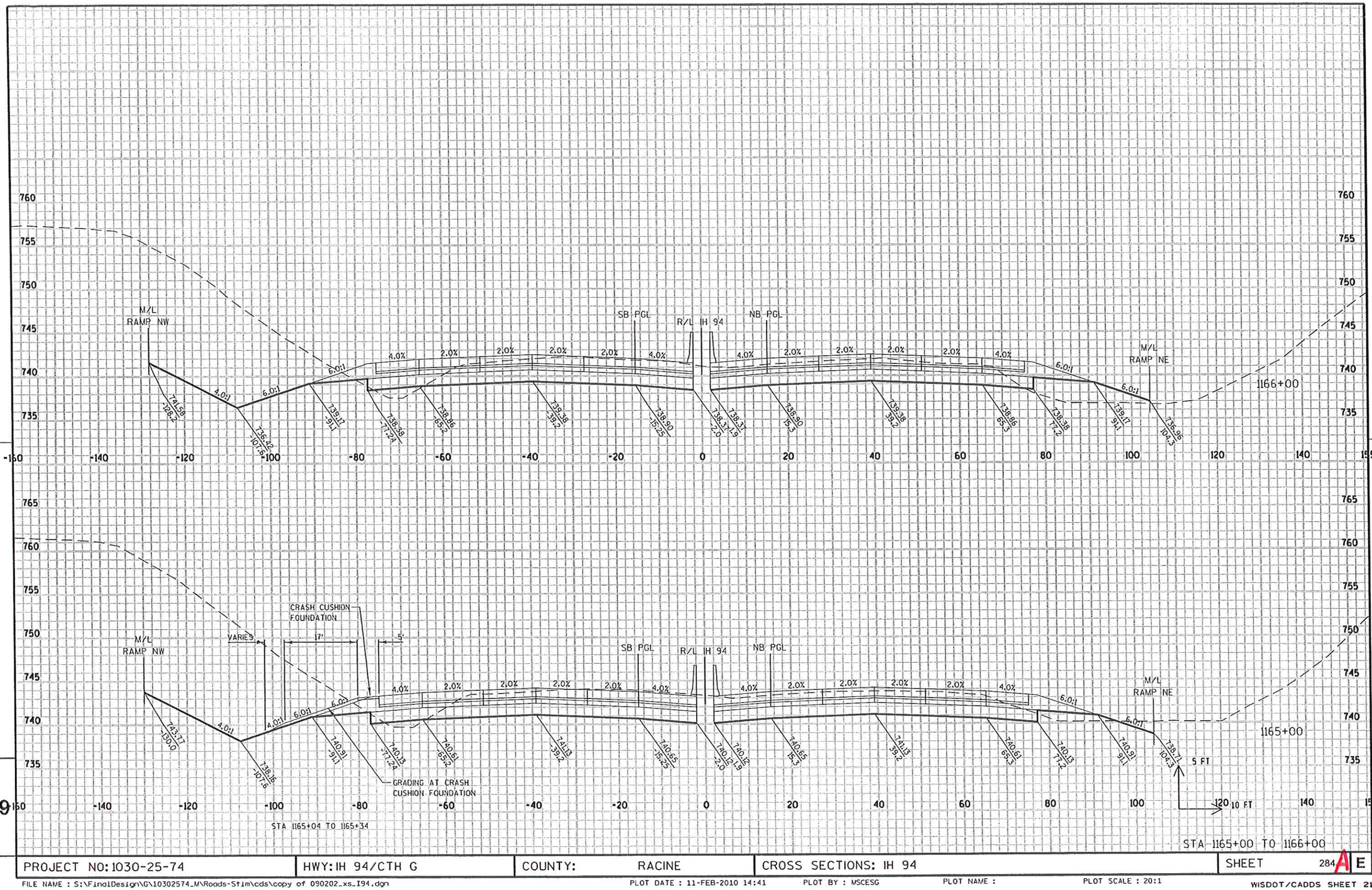
WISDOT/CADDS SHEET 21



PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET 284 E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\090202_xs_I94.dgn PLOT DATE : 02-FEB-2009 10:03 PLOT BY : msccej PLOT NAME : PLOT SCALE : 20:1

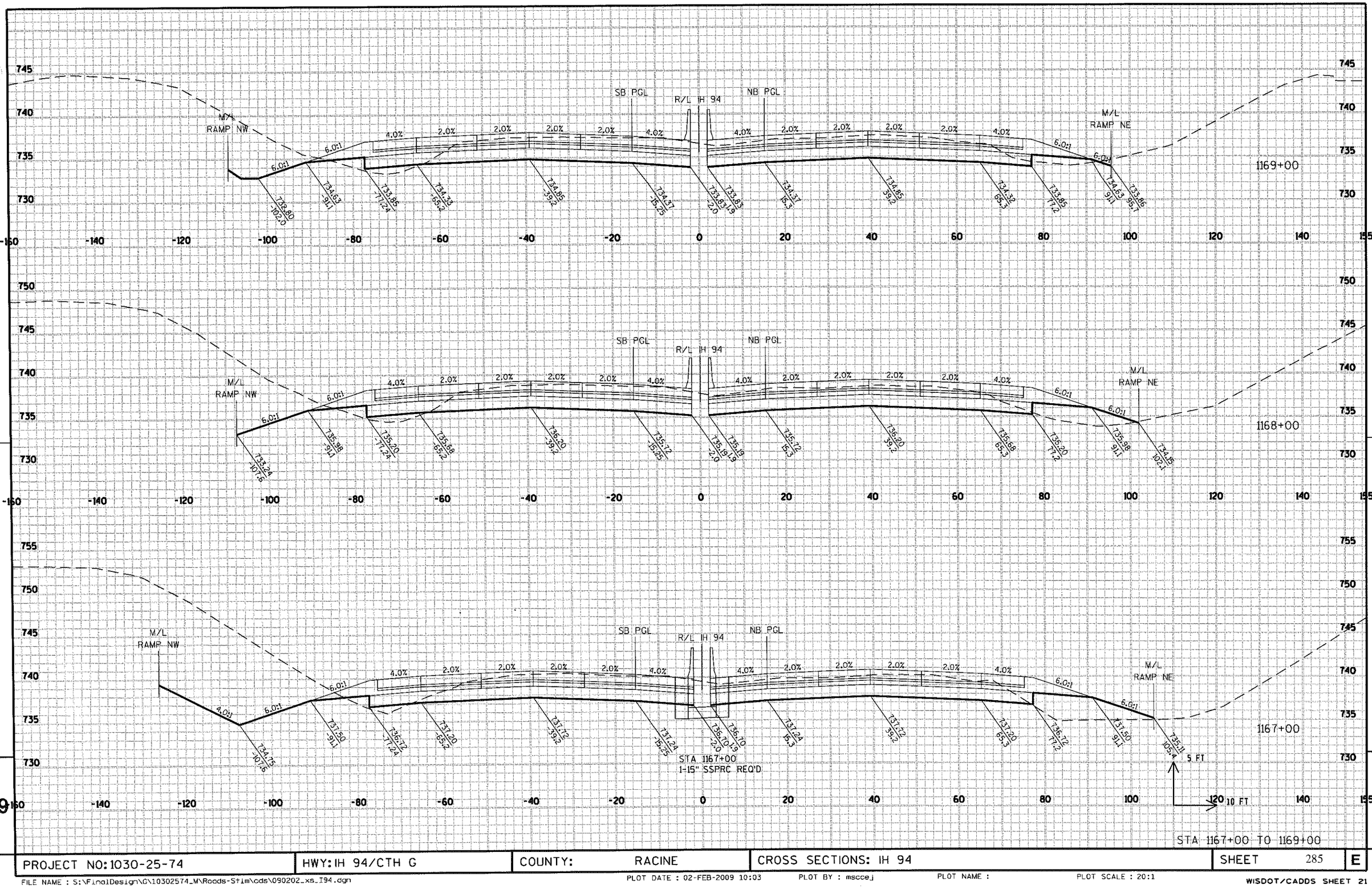
WISDOT/CADDS SHEET 21



PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET 284 A E

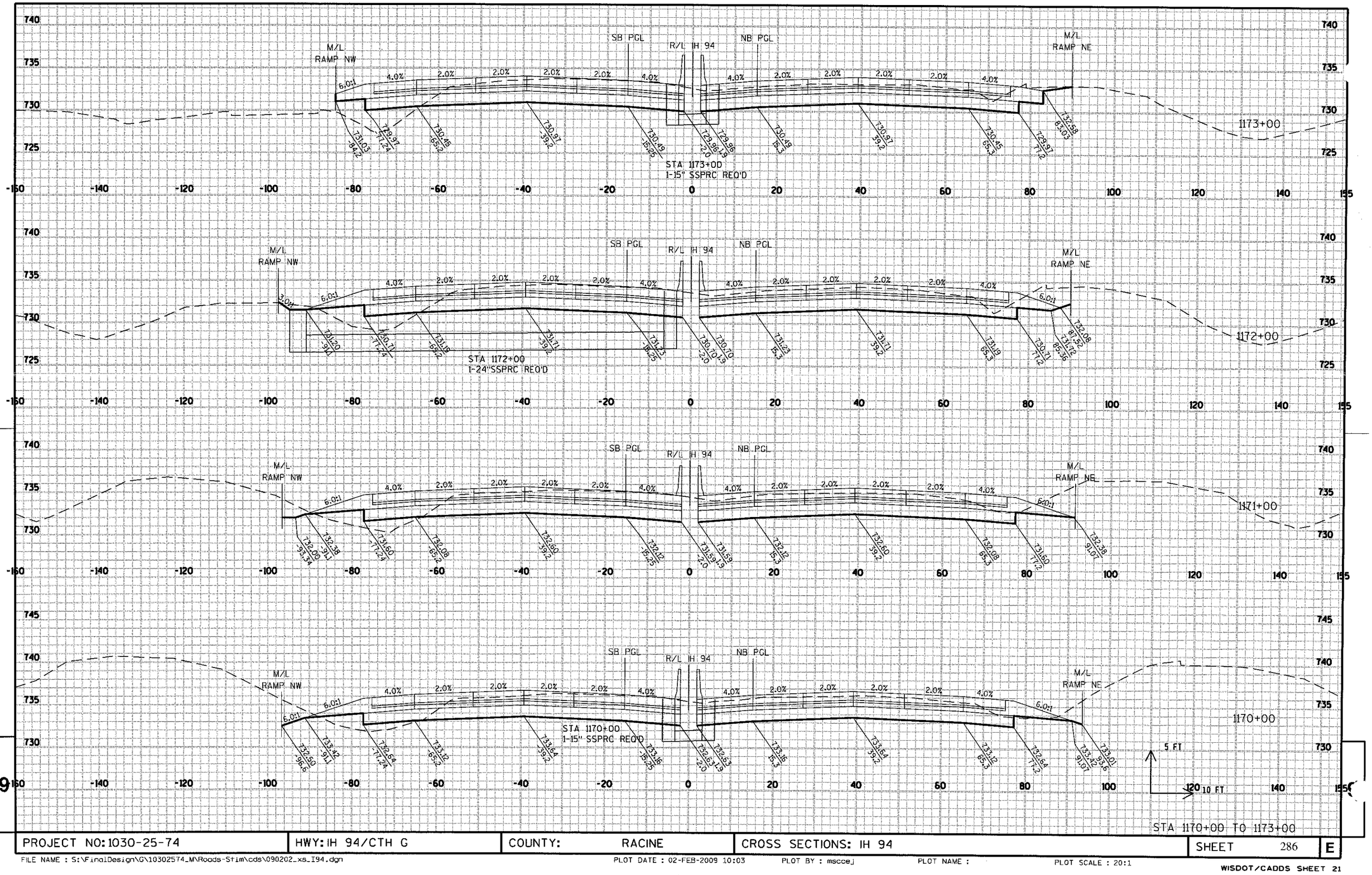
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WISDOT/CADDS SHEET 21



PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET 285	E

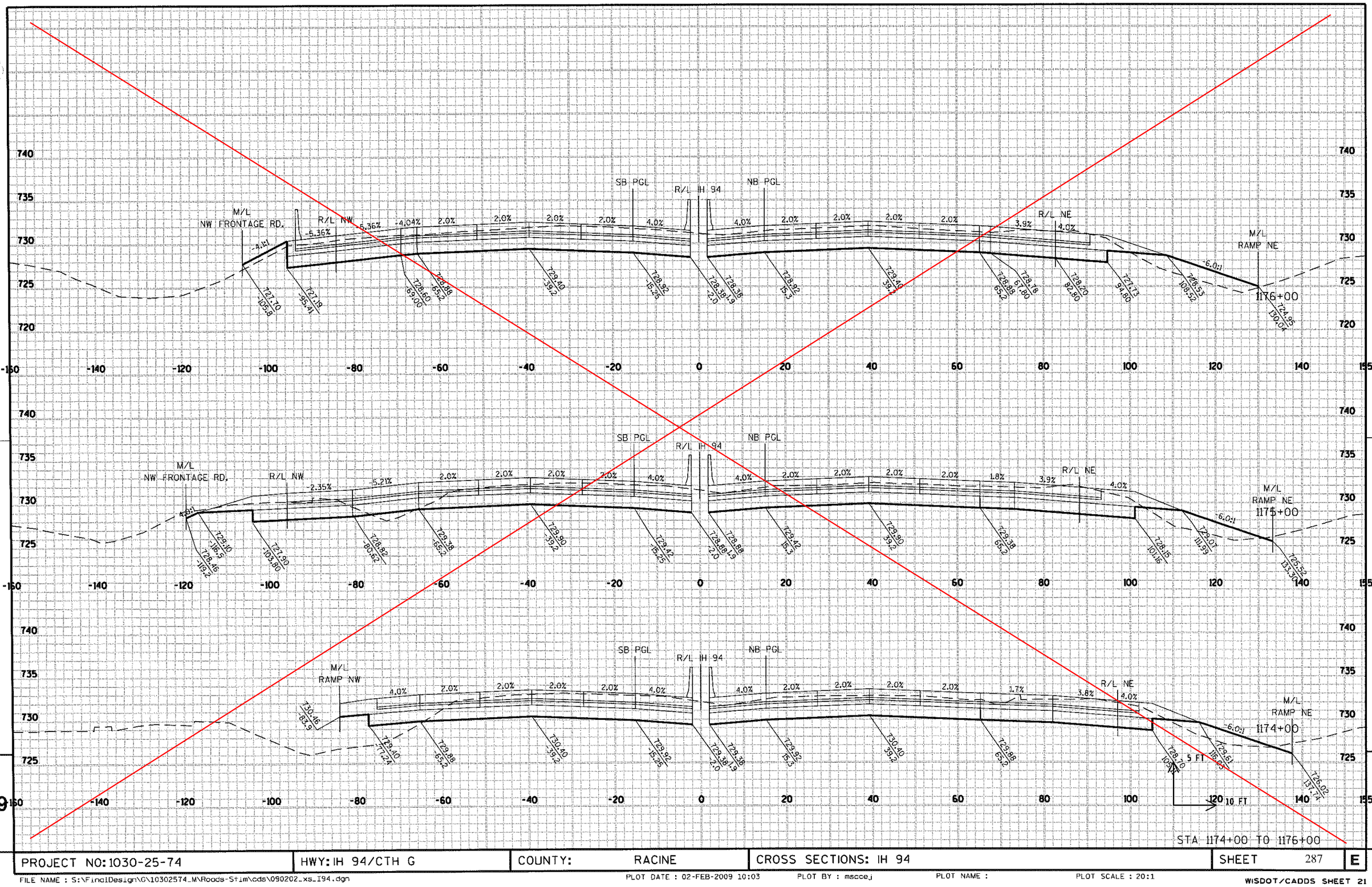
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PLOT DATE : 02-FEB-2009 10:03 PLOT BY : msccej PLOT NAME : PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21



PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET 286	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\090202_xs_I94.dgn PLOT DATE : 02-FEB-2009 10:03 PLOT BY : msccej PLOT NAME : PLOT SCALE : 20:1

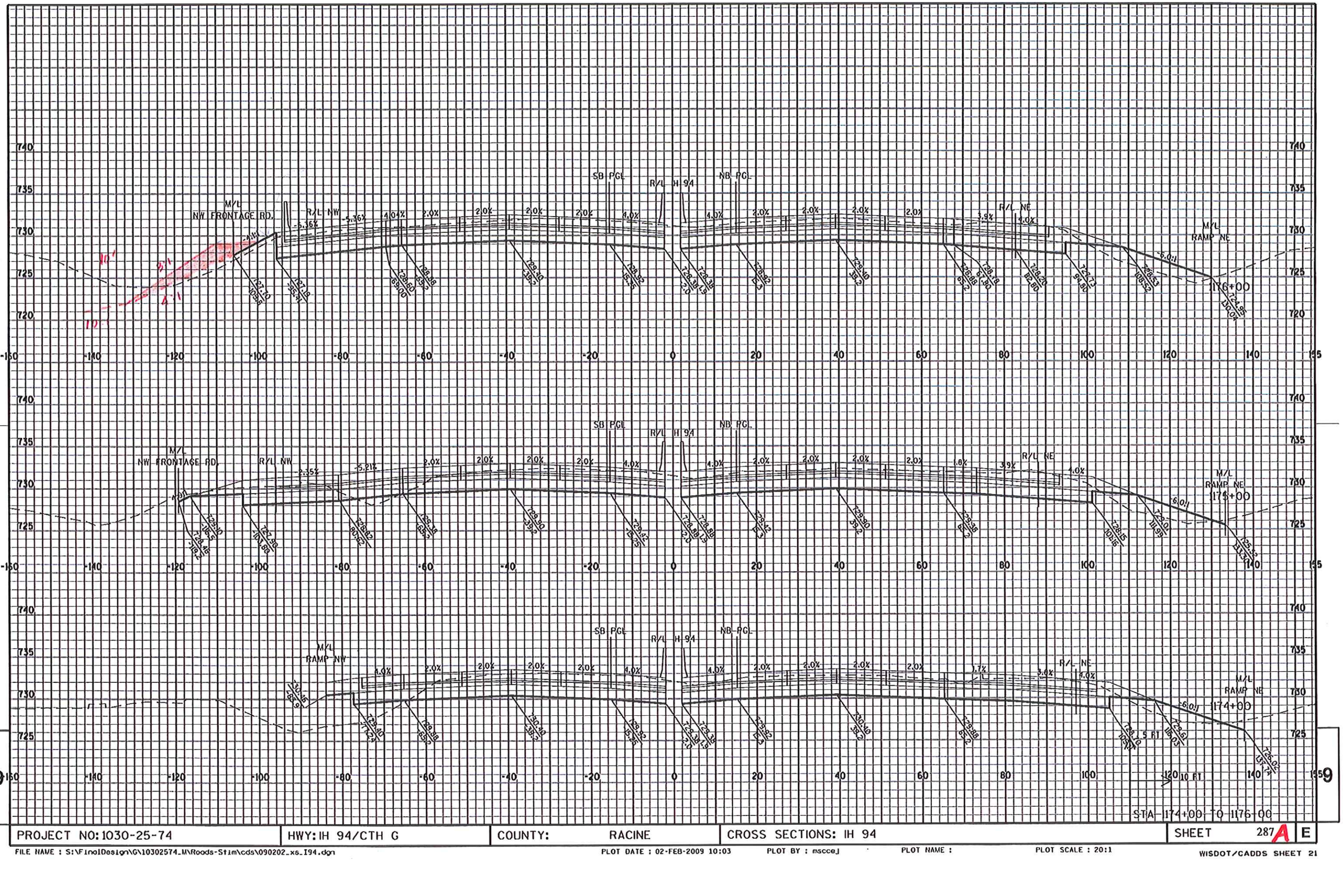
WISDOT/CADDS SHEET 21



STA 1174+00 TO 1176+00

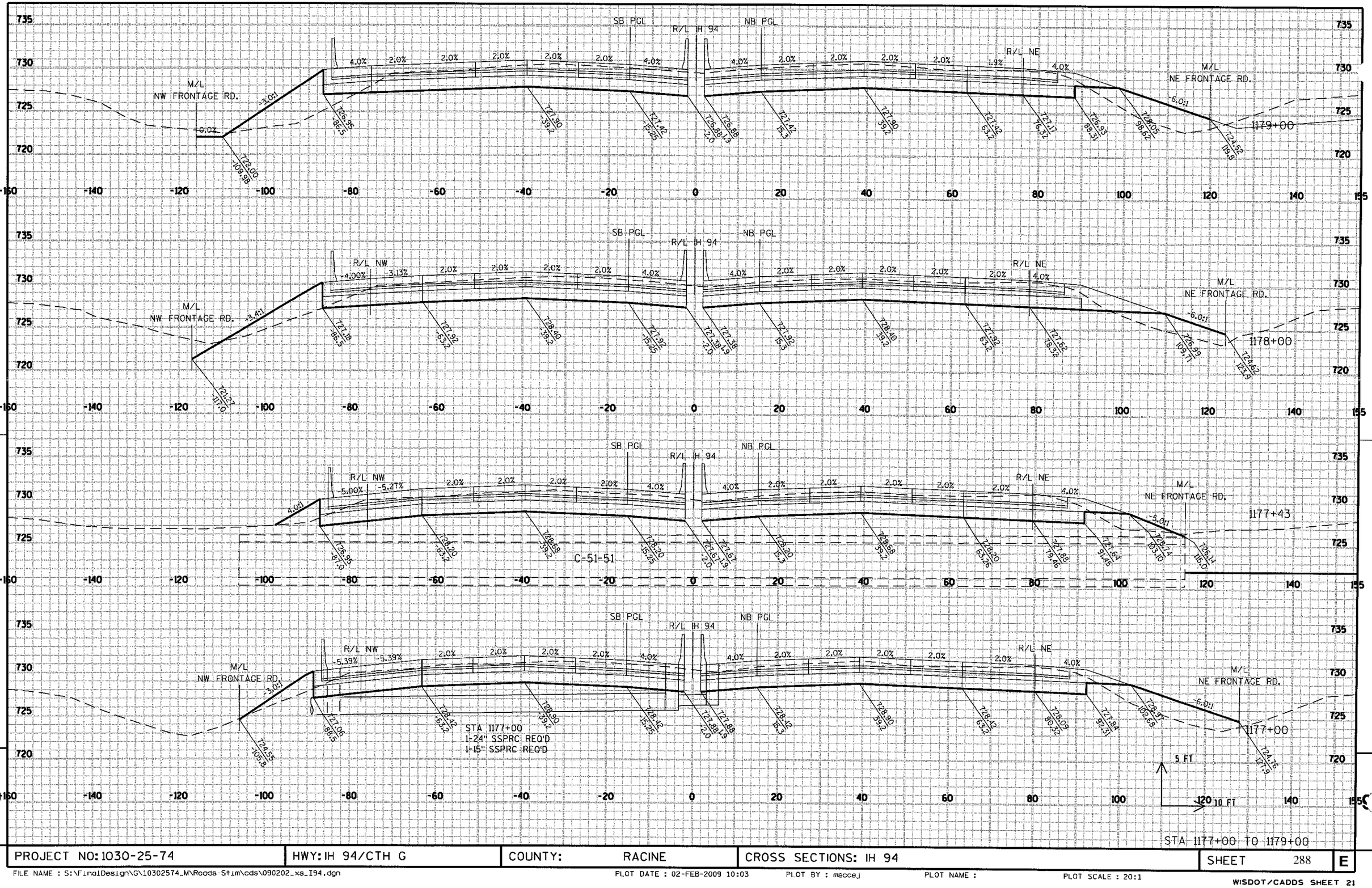
PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET 287	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roods-S+im\cds\090202_xs_I94.dgn
PLOT DATE : 02-FEB-2009 10:03
PLOT BY : msccej
PLOT NAME :
PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21



PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET 287A E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\090202_xs_I94.dgn PLOT DATE : 02-FEB-2009 10:03 PLOT BY : msccej PLOT NAME : PLOT SCALE : 20:1 WISDOT/CADDS SHEET 21

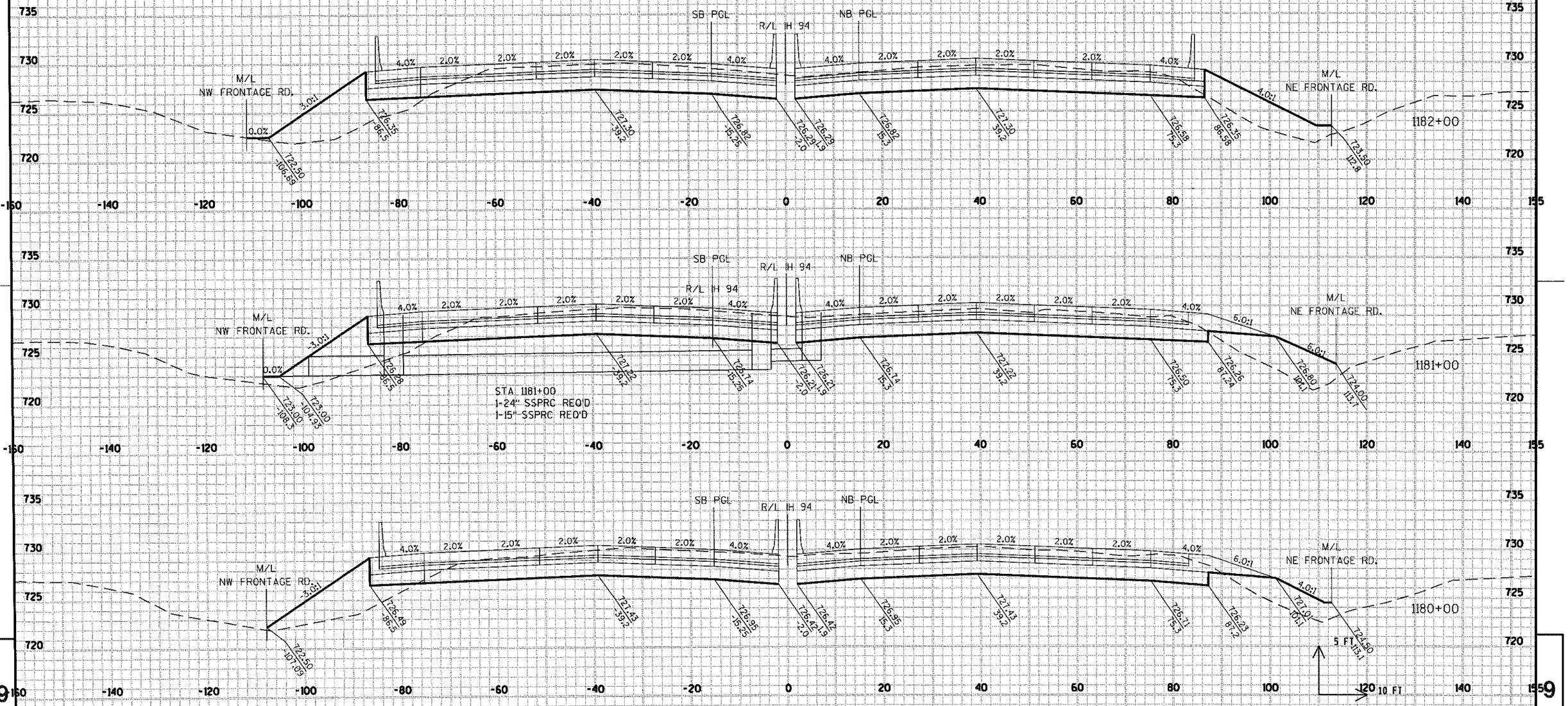


STA 1177+00 TO 1179+00

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET 288	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\090202_xs_I94.dgn PLOT DATE : 02-FEB-2009 10:03 PLOT BY : mscce j PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



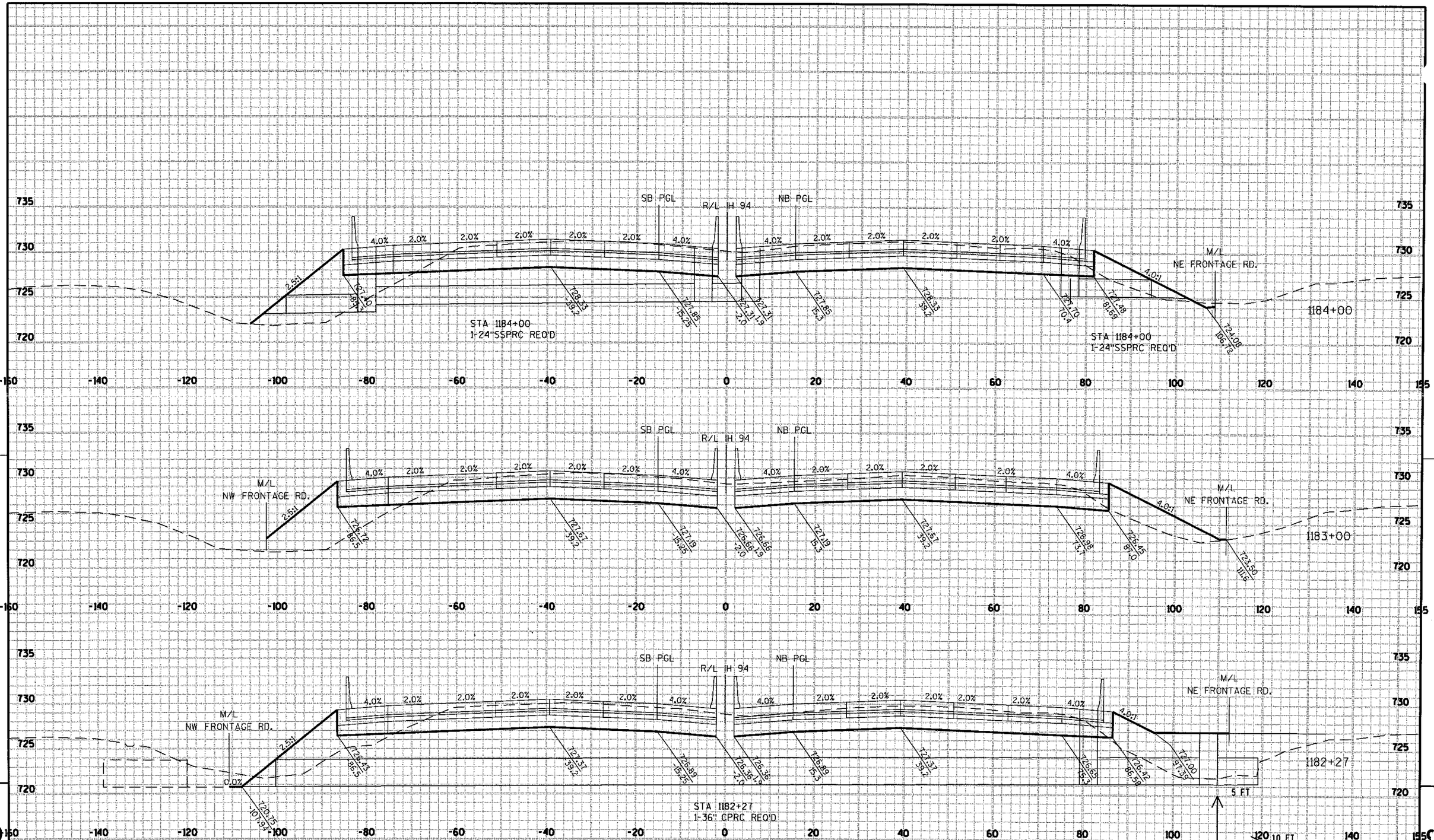
STA 1180+00 TO 1182+00

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET 289	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\090202_xs_I94.dgn

PLOT DATE : 20-FEB-2009 09:50 PLOT BY : MSCESG PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

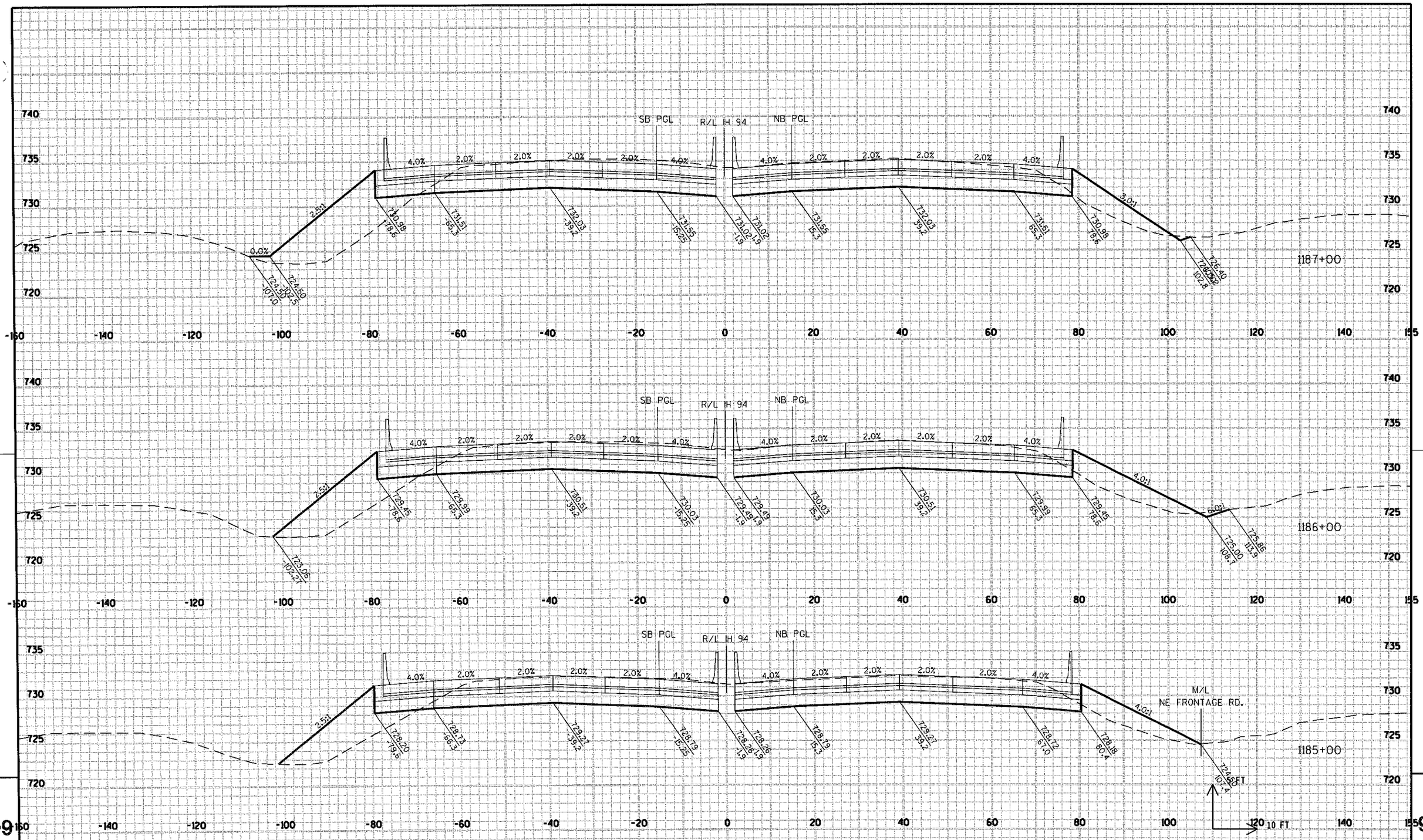


STA 1182+27 TO 1184+00

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET 290	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\090202_xs_I94.dgn PLOT DATE : 19-FEB-2009 13:38 PLOT BY : mscoej PLOT NAME : PLOT SCALE : 20:1

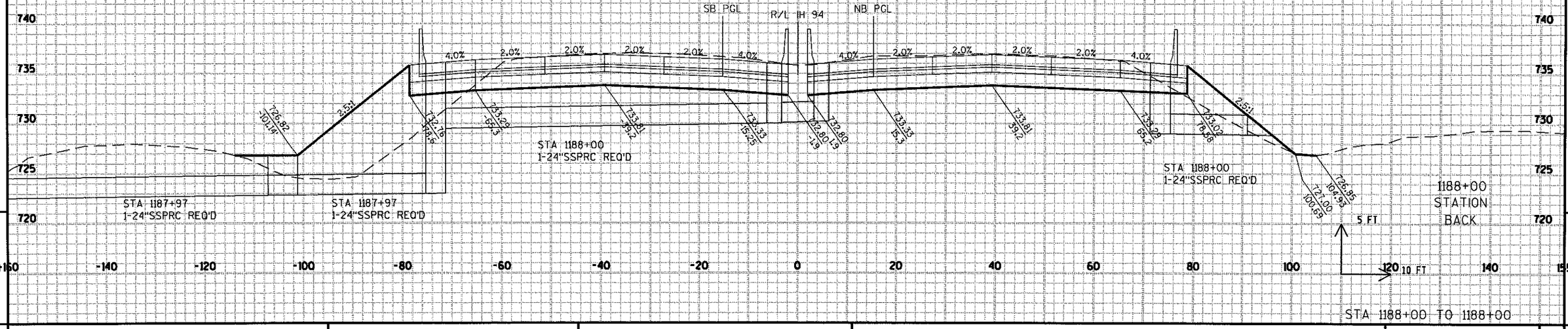
WISDOT/CADDS SHEET 21



PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET 291	E

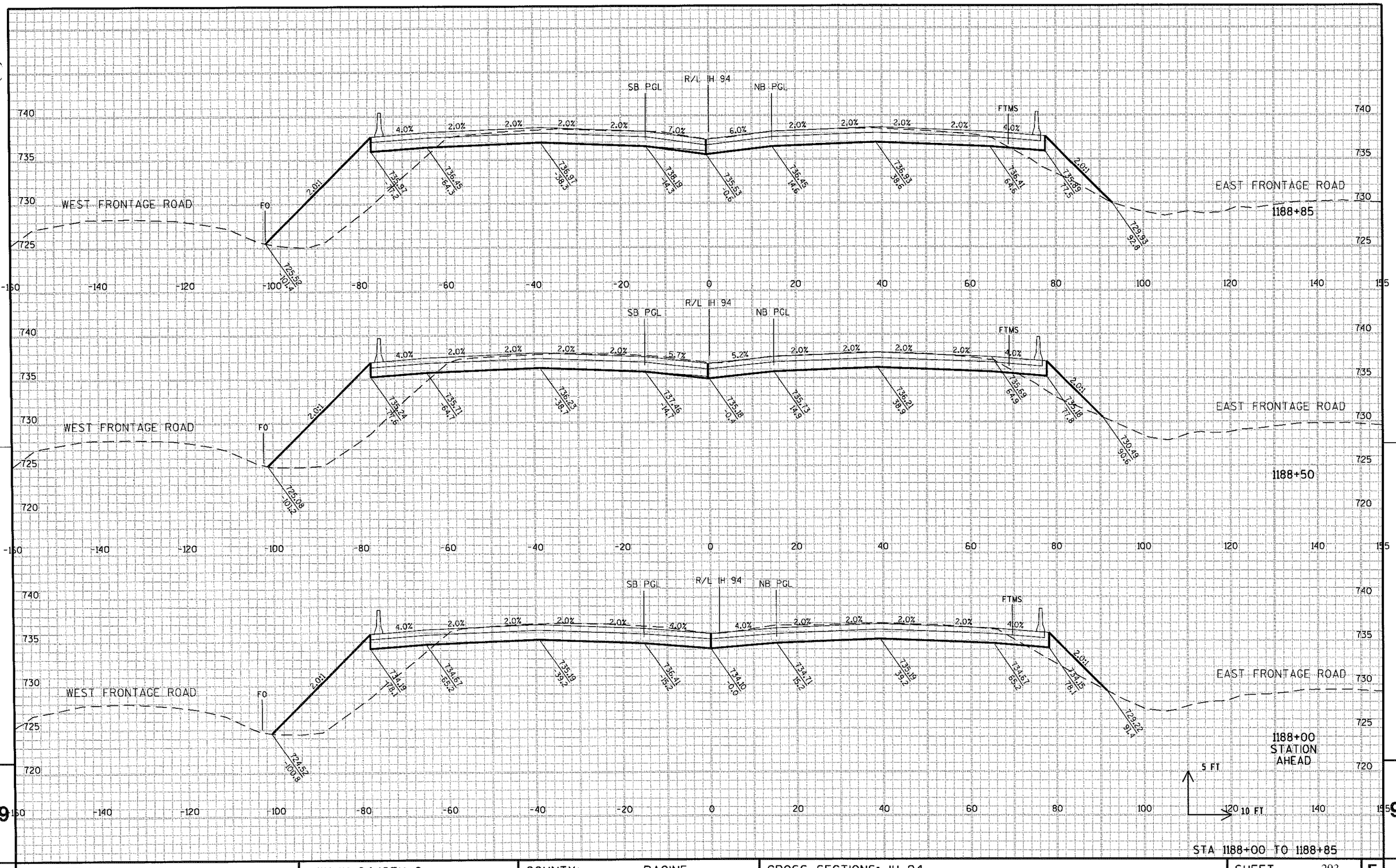
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WISDOT/CADDS SHEET 21



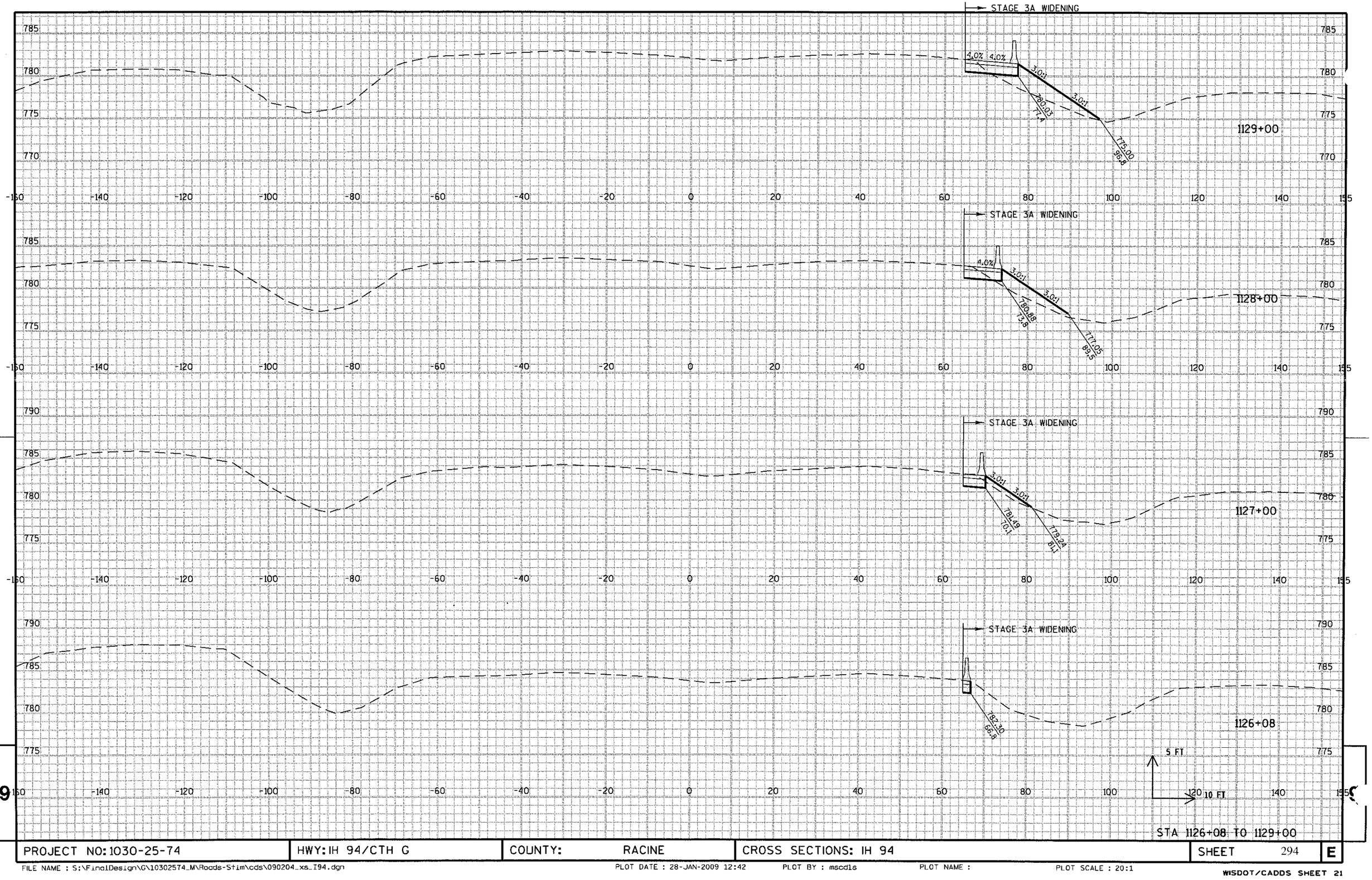
STA 1188+00 TO 1188+00

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET 292	E



STA 1188+00 TO 1188+85

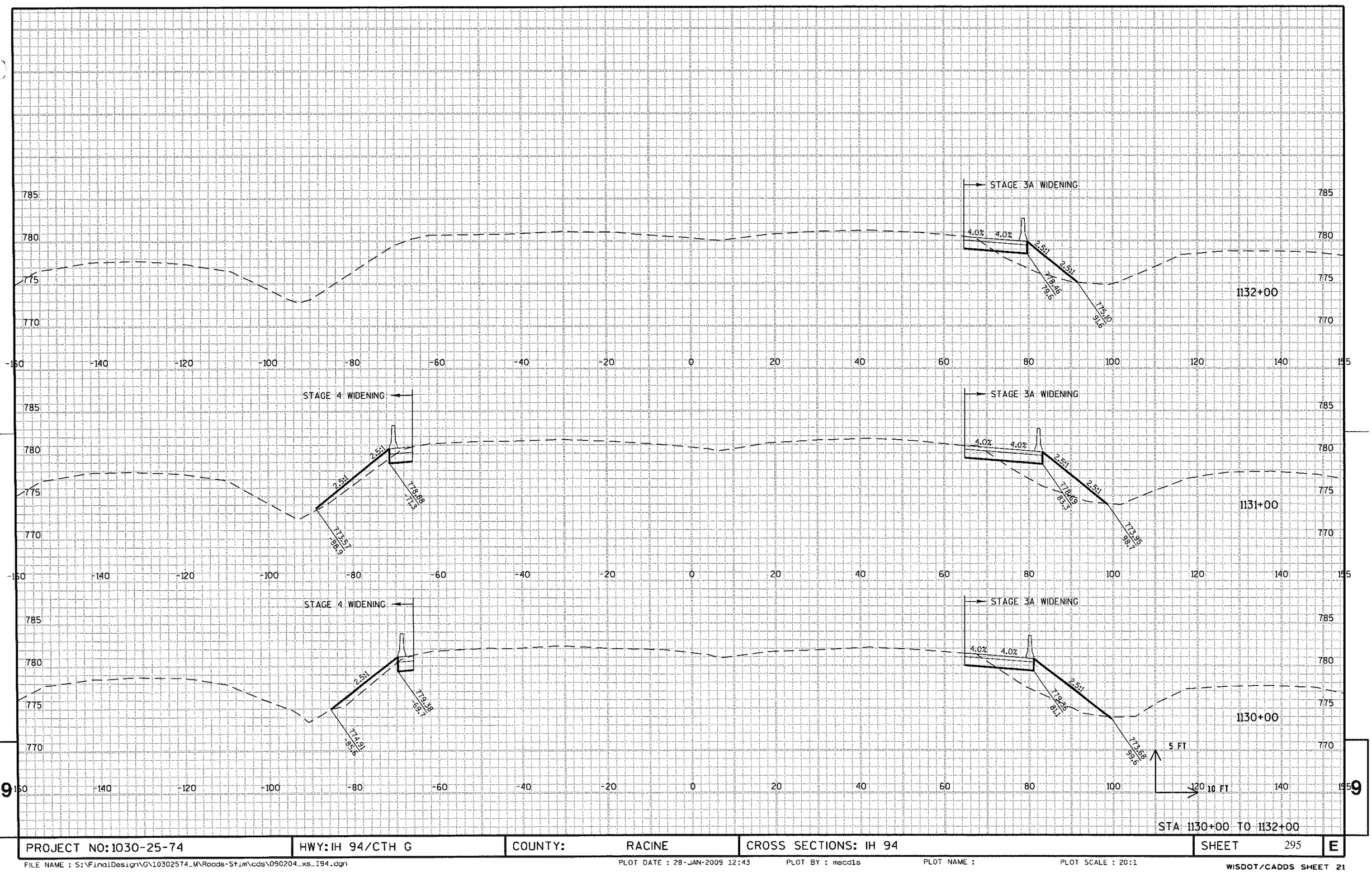
PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET 293	E



PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET 294	E

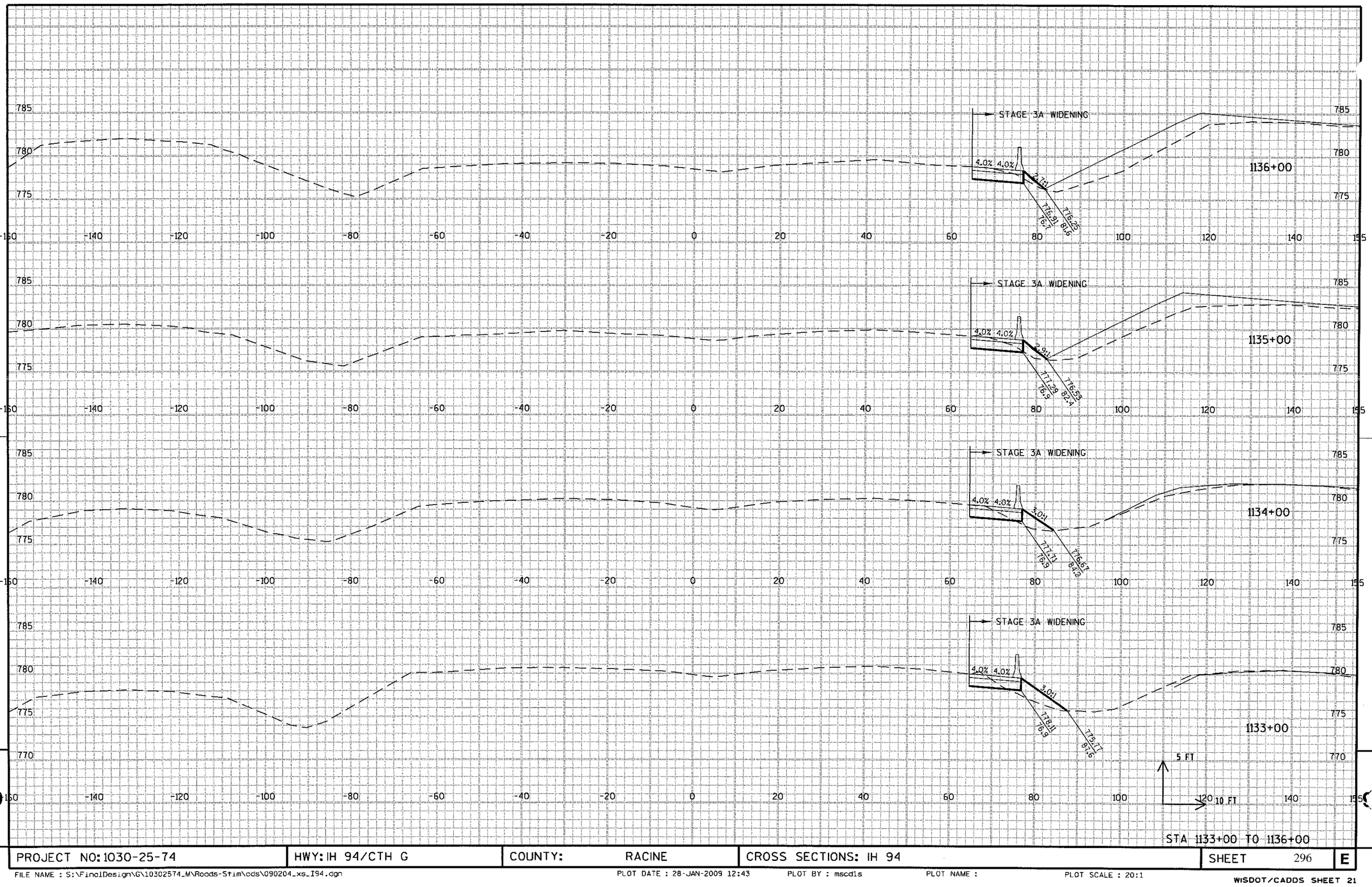
FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\090204_xs_I94.dgn PLOT DATE : 28-JAN-2009 12:42 PLOT BY : mscdls PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



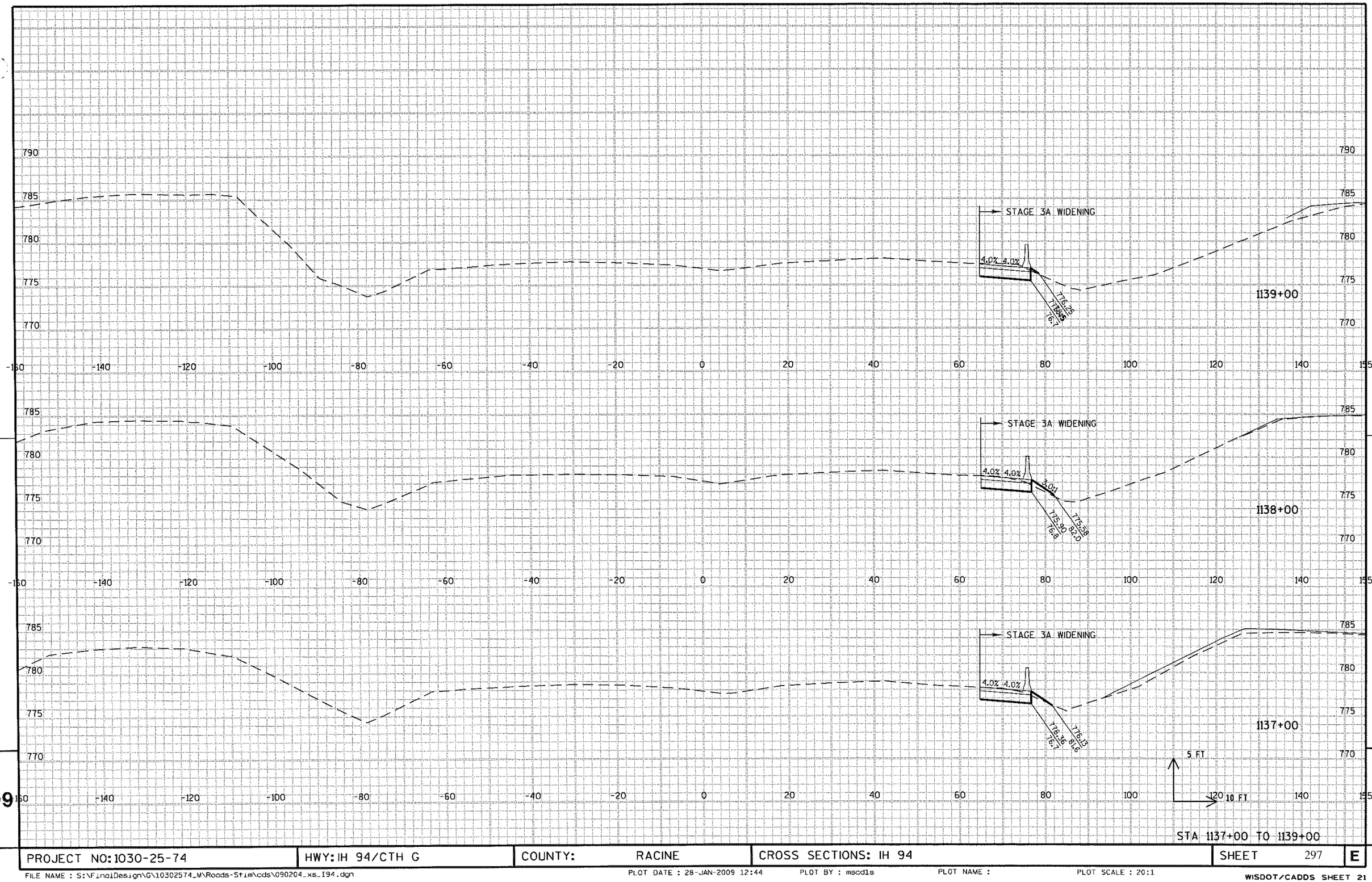
STA 1130+00 TO 1132+00

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET 295	E



PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET 296	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\090204_xs_I94.dgn PLOT DATE : 28-JAN-2009 12:43 PLOT BY : mscd1s PLOT NAME : PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

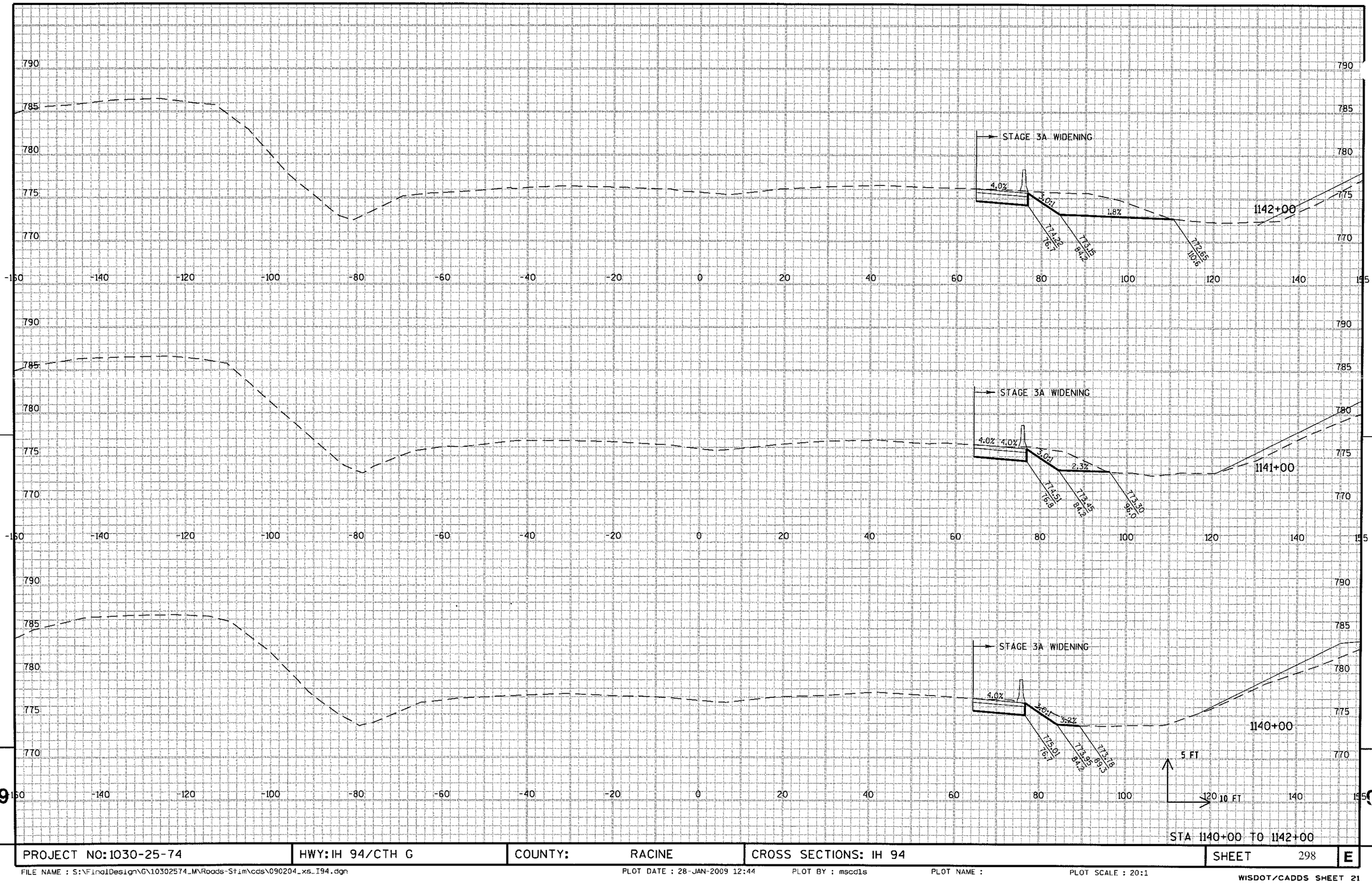


STA 1137+00 TO 1139+00

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET 297	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\090204_xs_I94.dgn PLOT DATE : 28-JAN-2009 12:44 PLOT BY : mscdls PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

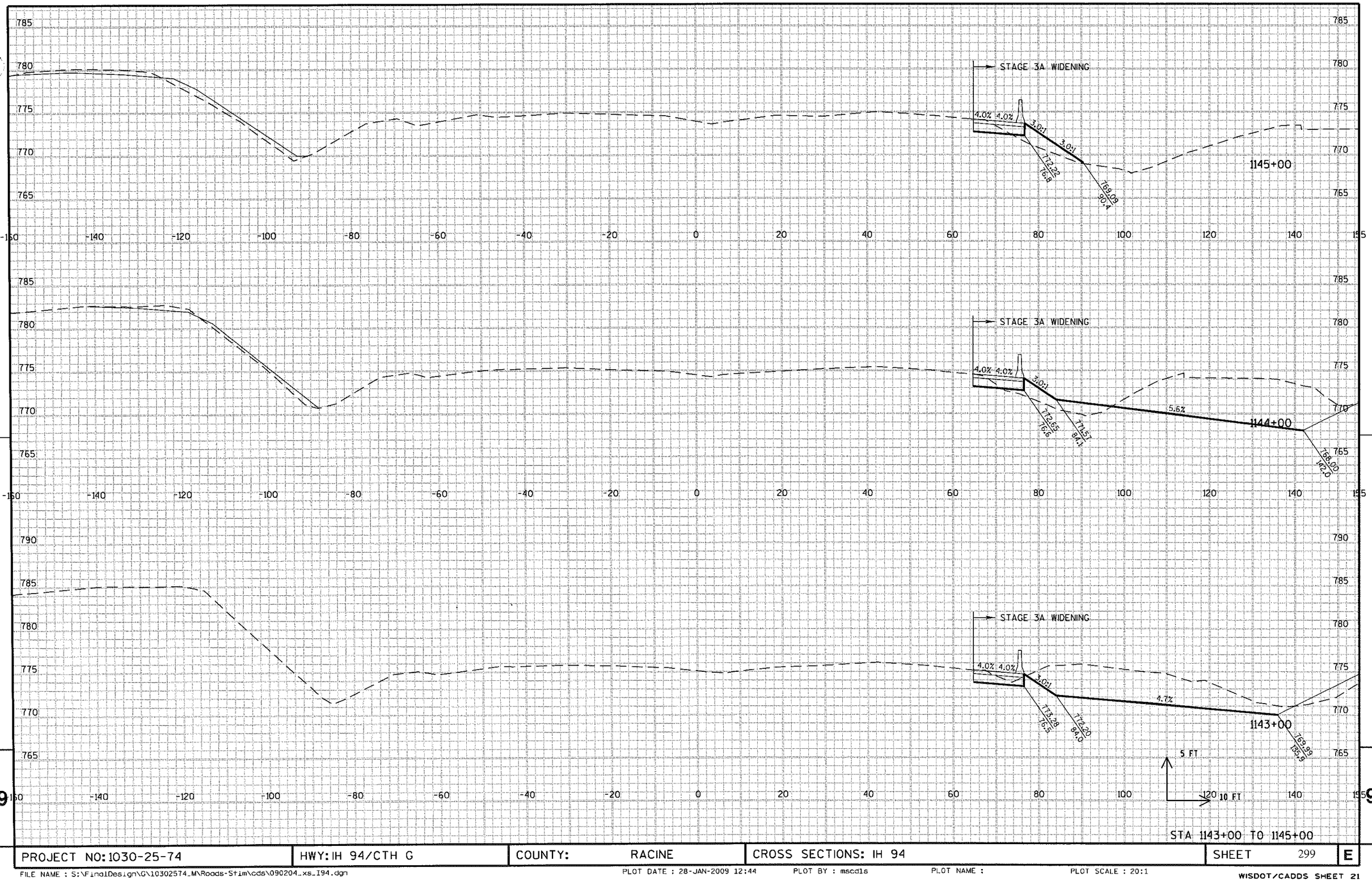


STA 1140+00 TO 1142+00

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET 298	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\090204_xs_I94.dgn PLOT DATE : 28-JAN-2009 12:44 PLOT BY : mscdls PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

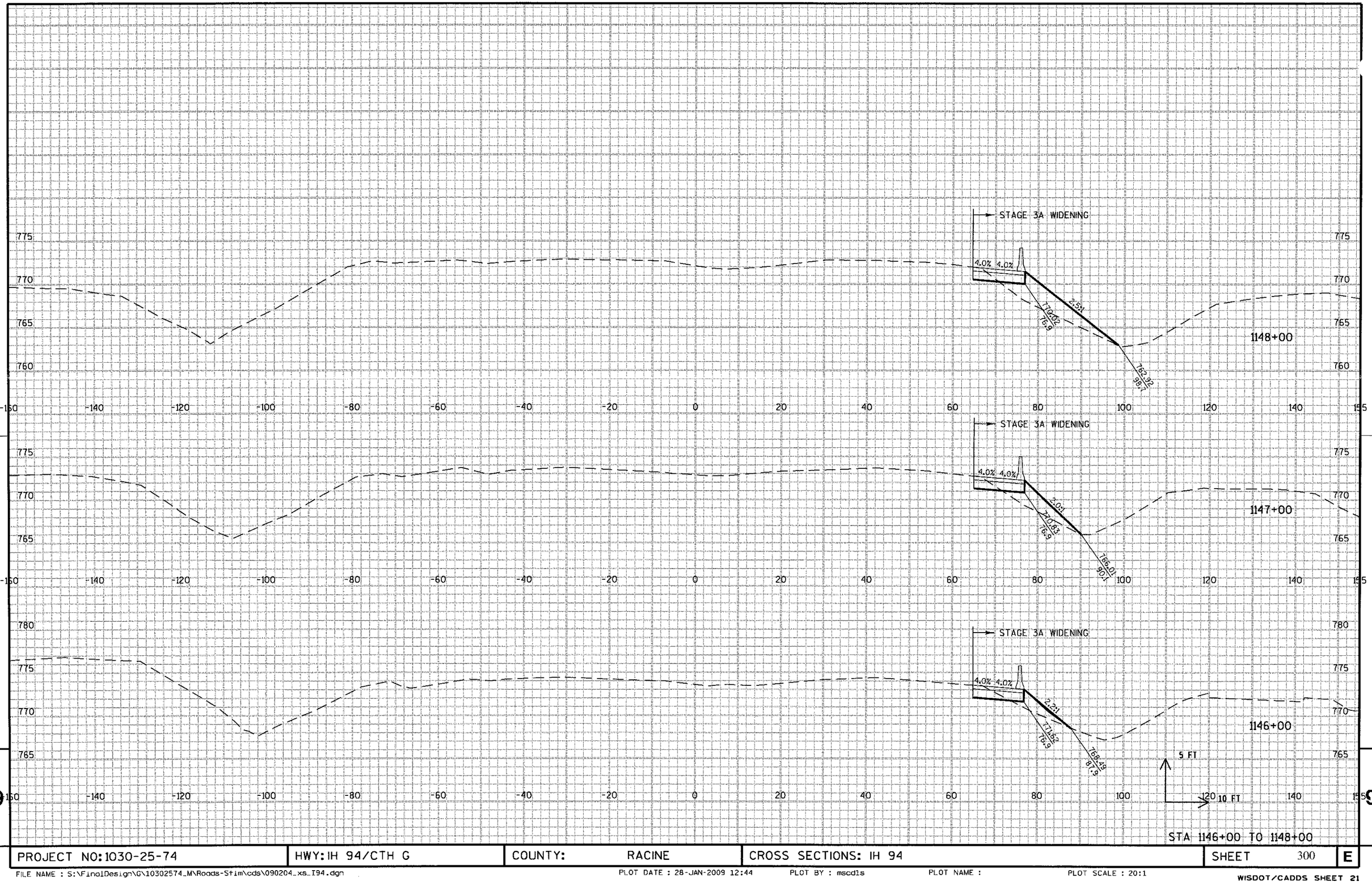


STA 1143+00 TO 1145+00

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET 299	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\090204_xs_I94.dgn PLOT DATE : 28-JAN-2009 12:44 PLOT BY : mscdls PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

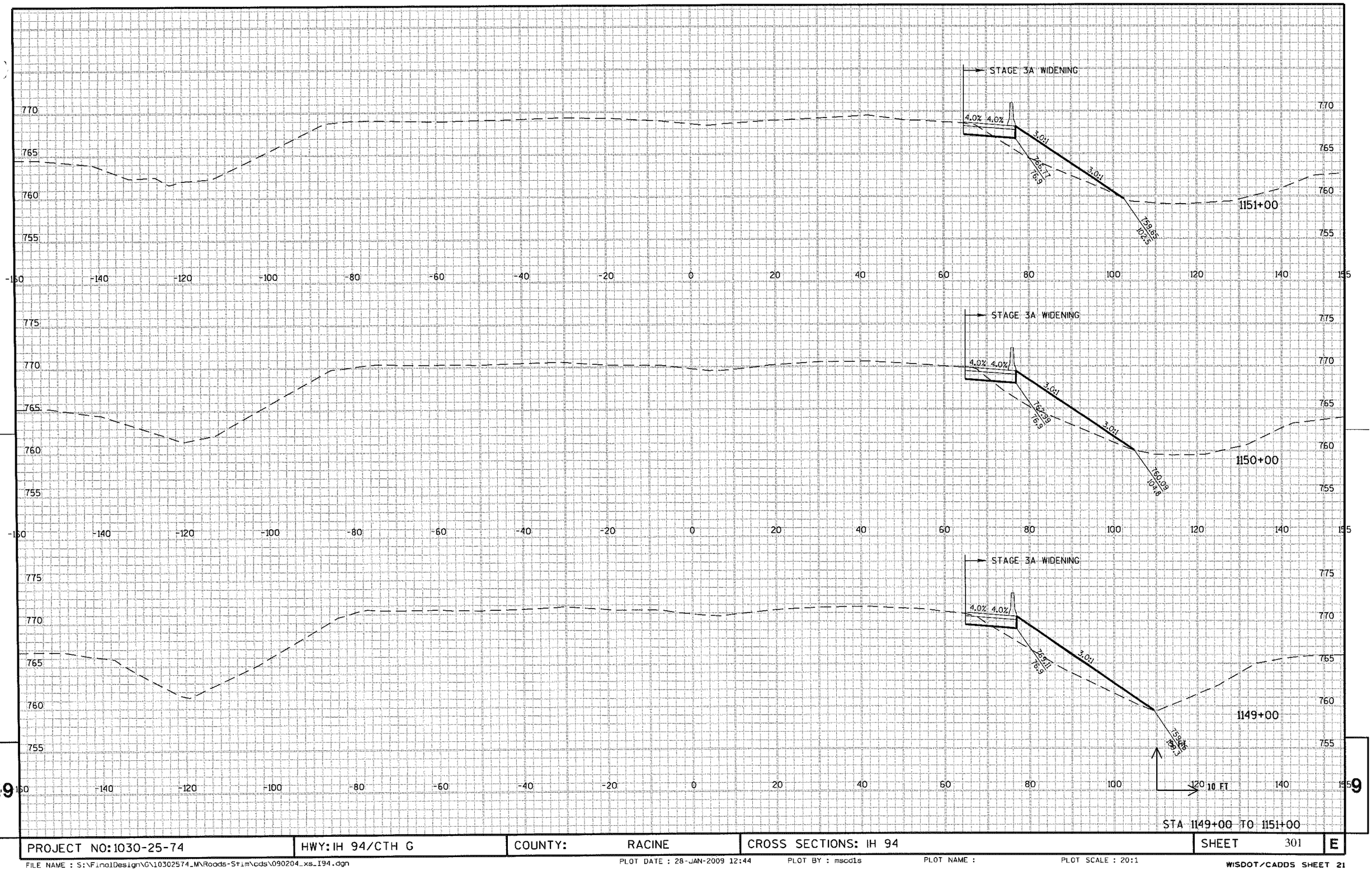


STA 1146+00 TO 1148+00

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET 300	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\090204_xs_I94.dgn PLOT DATE : 28-JAN-2009 12:44 PLOT BY : mscdls PLOT NAME : PLOT SCALE : 20:1

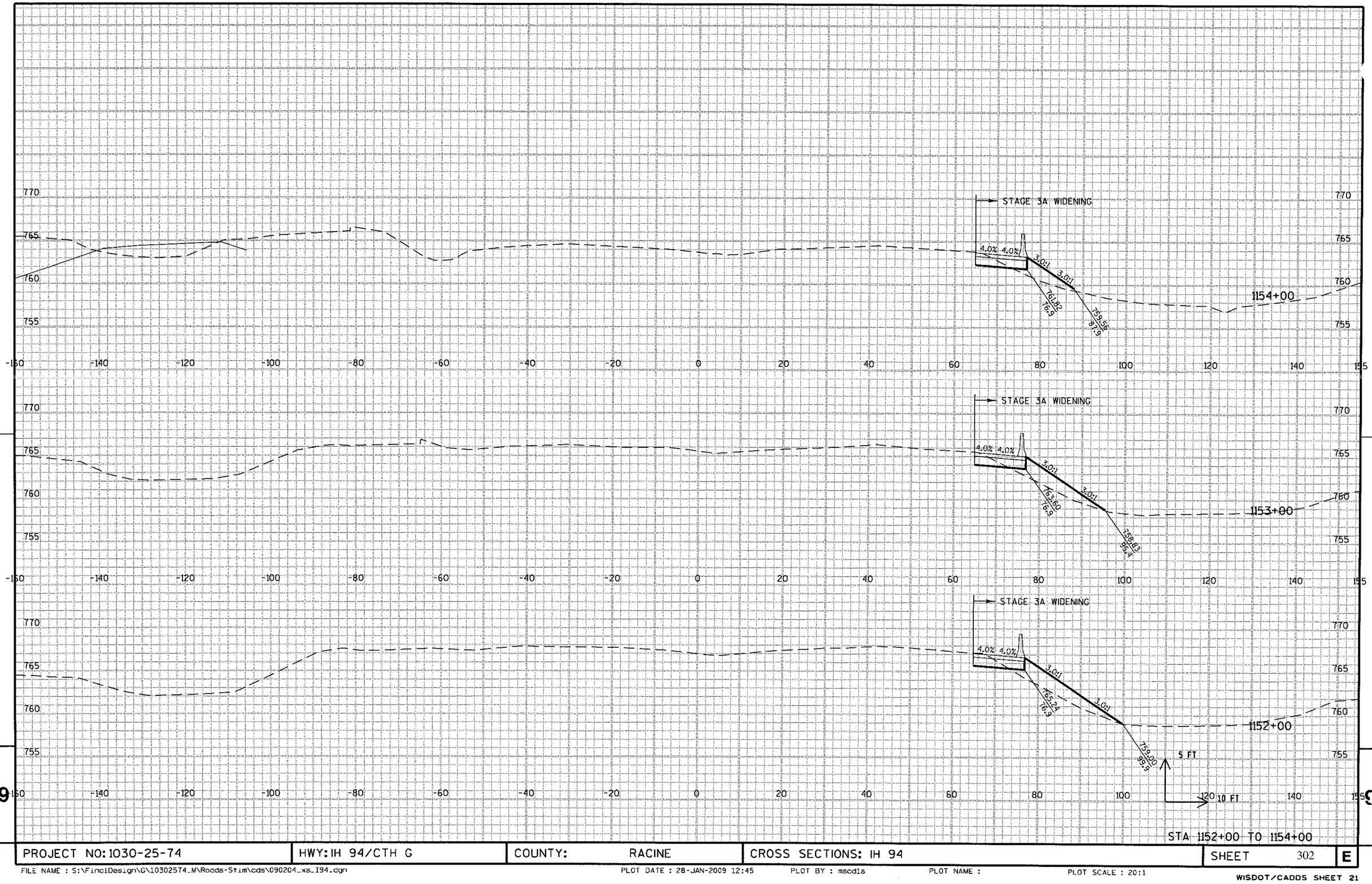
WISDOT/CADDS SHEET 21



STA 1149+00 TO 1151+00

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET 301	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\090204_xs_I94.dgn
PLOT DATE : 28-JAN-2009 12:44 PLOT BY : mscd1s PLOT NAME : PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

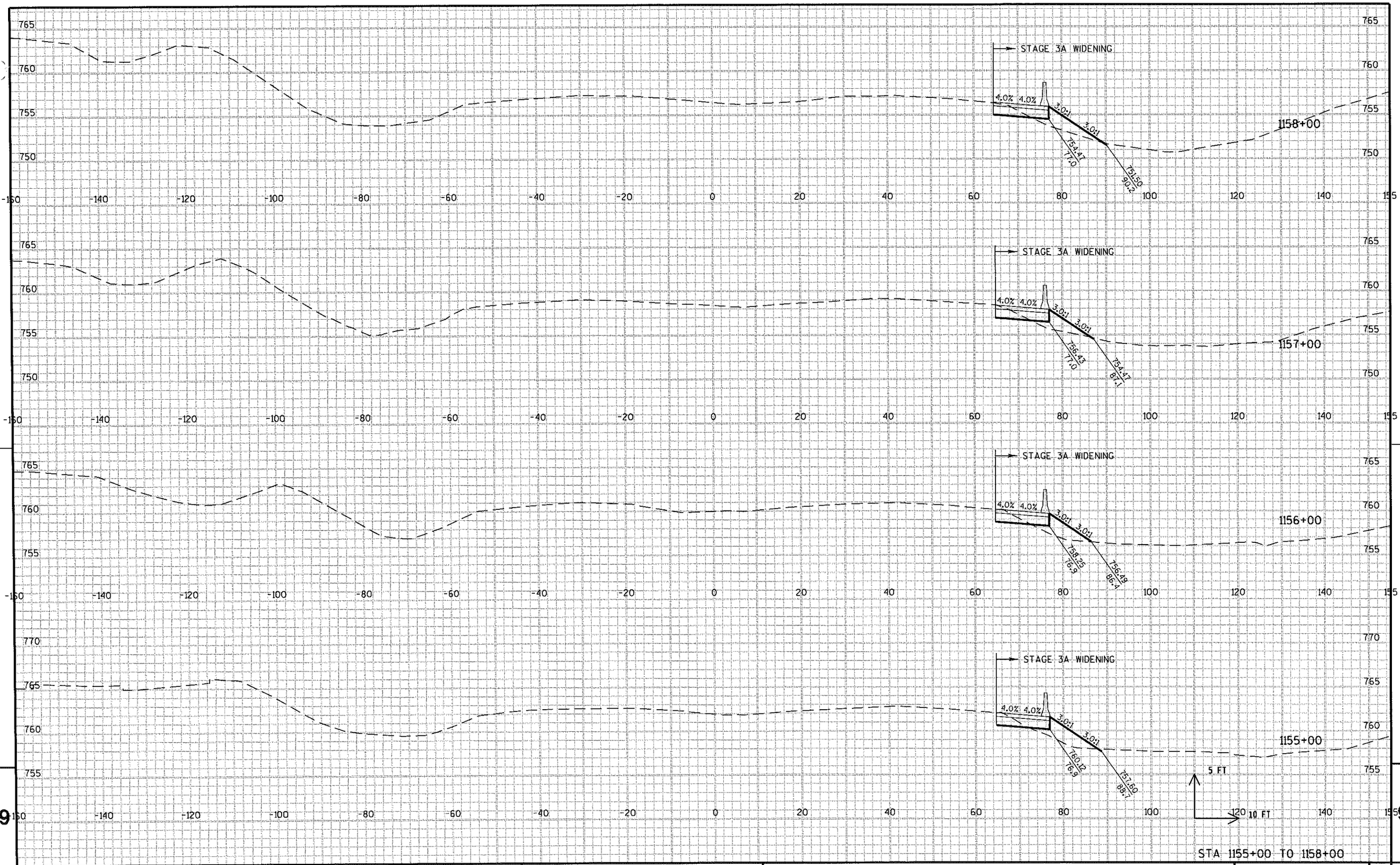


STA 1152+00 TO 1154+00

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET 302	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\090204_xs_I94.dgn PLOT DATE : 28-JAN-2009 12:45 PLOT BY : mscdls PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

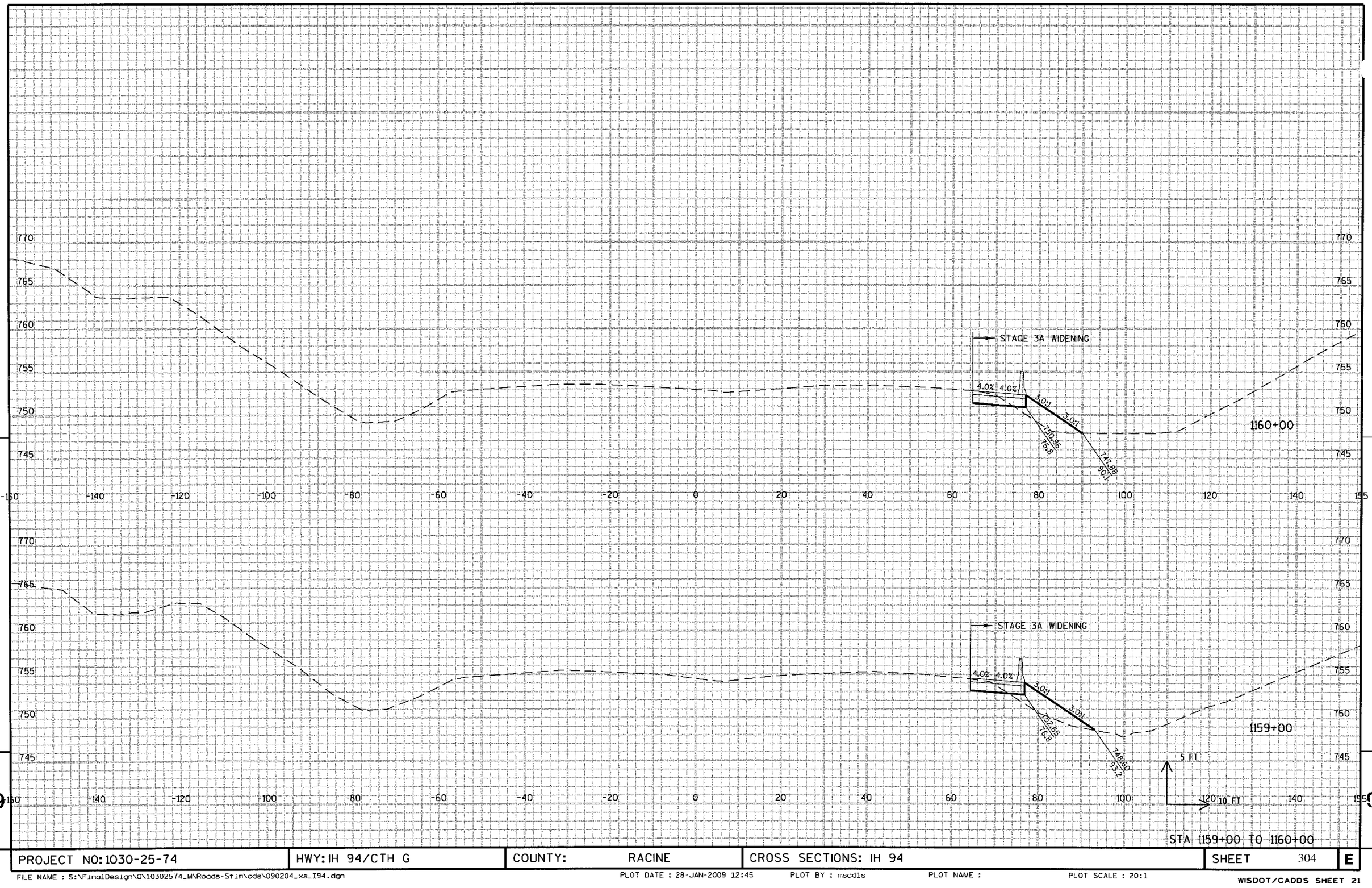


STA 1155+00 TO 1158+00

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET 303	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\090204_xs_I94.dgn PLOT DATE : 28-JAN-2009 12:45 PLOT BY : mscdls PLOT NAME : PLOT SCALE : 20:1

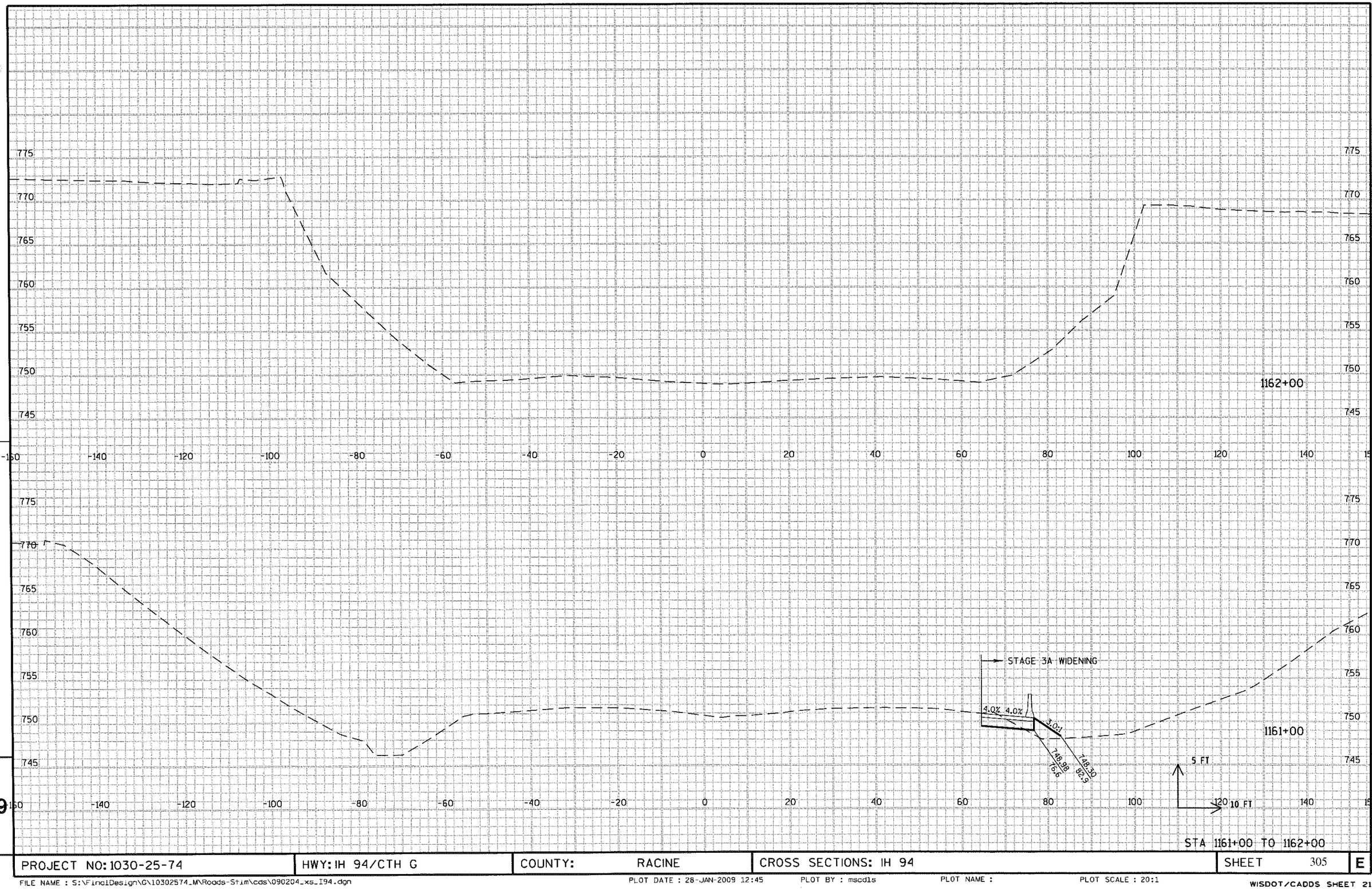
WISDOT/CADDS SHEET 21



STA 1159+00 TO 1160+00

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET 304	E

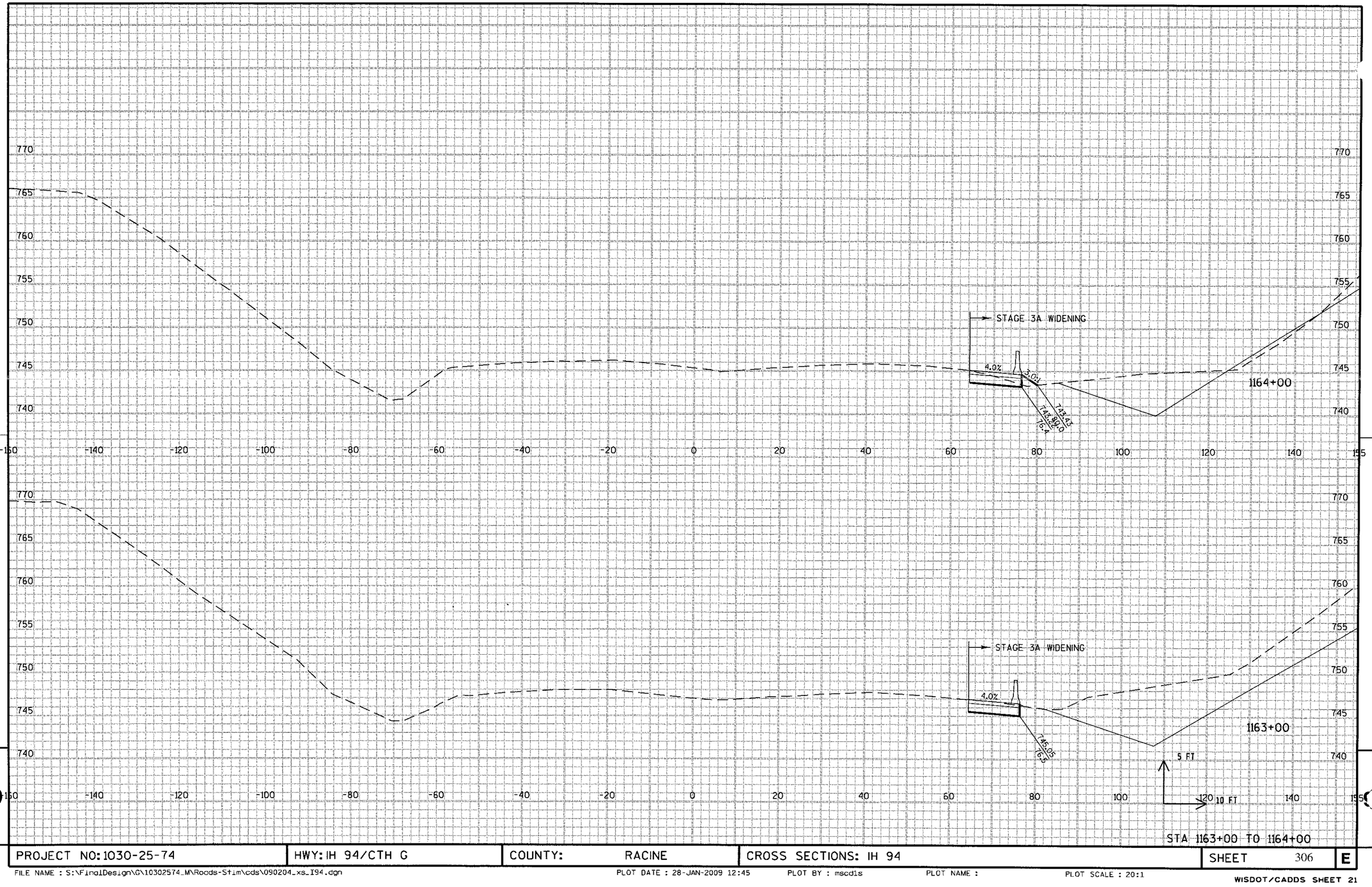
FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\090204_xs_I94.dgn
PLOT DATE : 28-JAN-2009 12:45 PLOT BY : mscdls PLOT NAME : PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21



PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET 305	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\090204_xs_I94.dgn PLOT DATE : 28-JAN-2009 12:45 PLOT BY : mscdls PLOT NAME : PLOT SCALE : 20:1

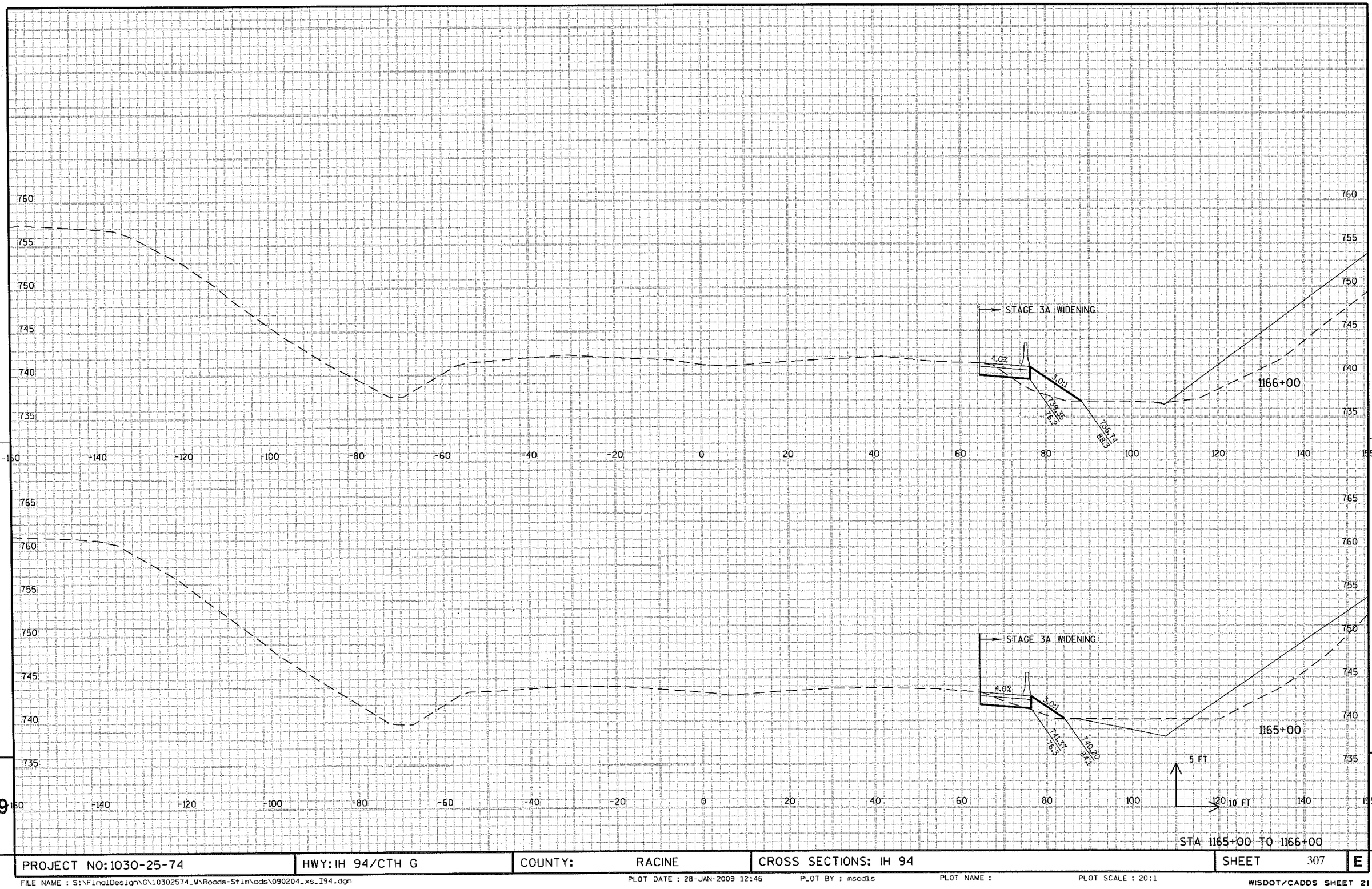
WISDOT/CADDS SHEET 21



PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET 306 E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\090204_xs_I94.dgn PLOT DATE : 28-JAN-2009 12:45 PLOT BY : mscdls PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

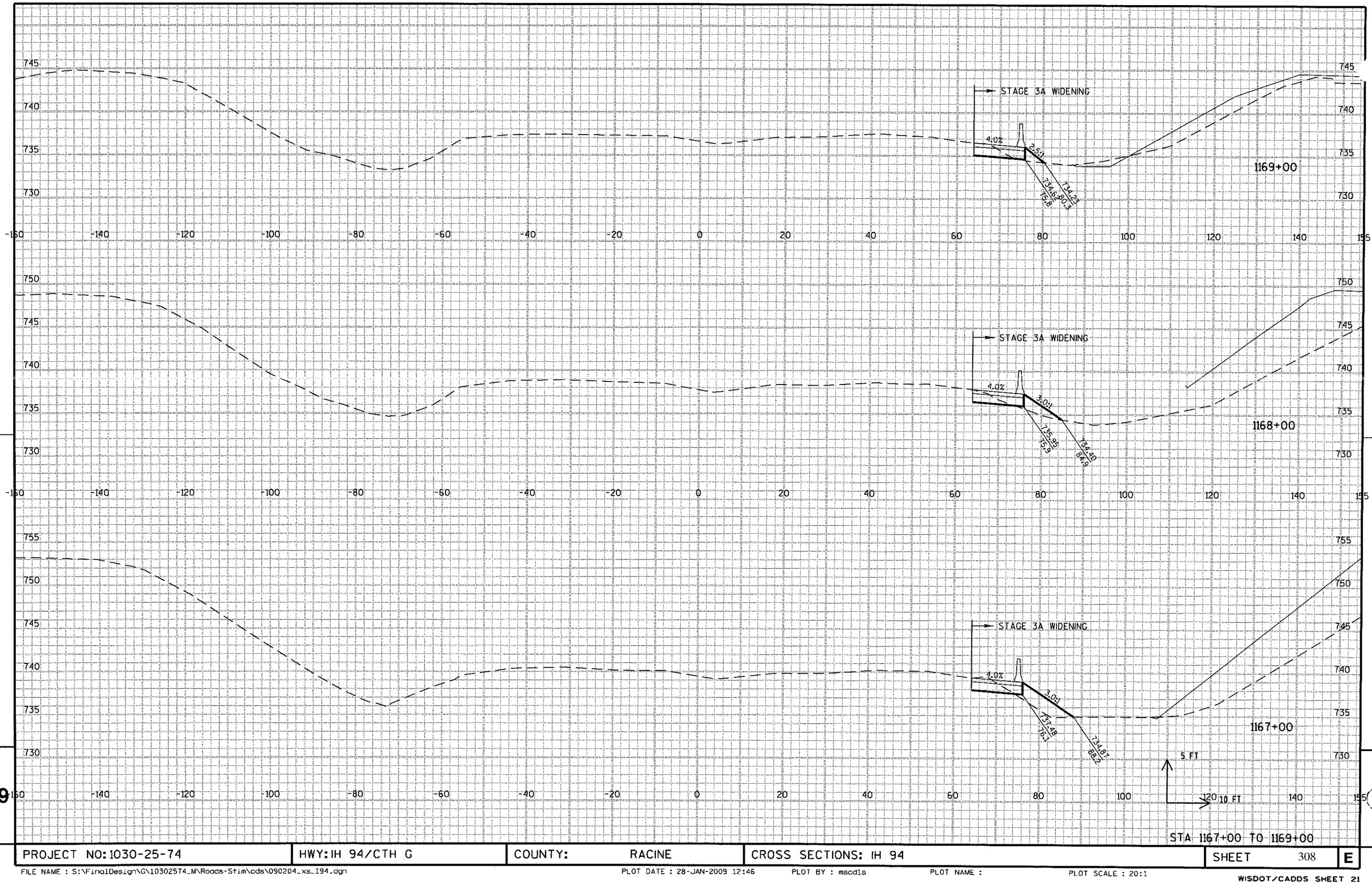


STA 1165+00 TO 1166+00

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET 307	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\090204_xs_I94.dgn PLOT DATE : 28-JAN-2009 12:46 PLOT BY : mscdls PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

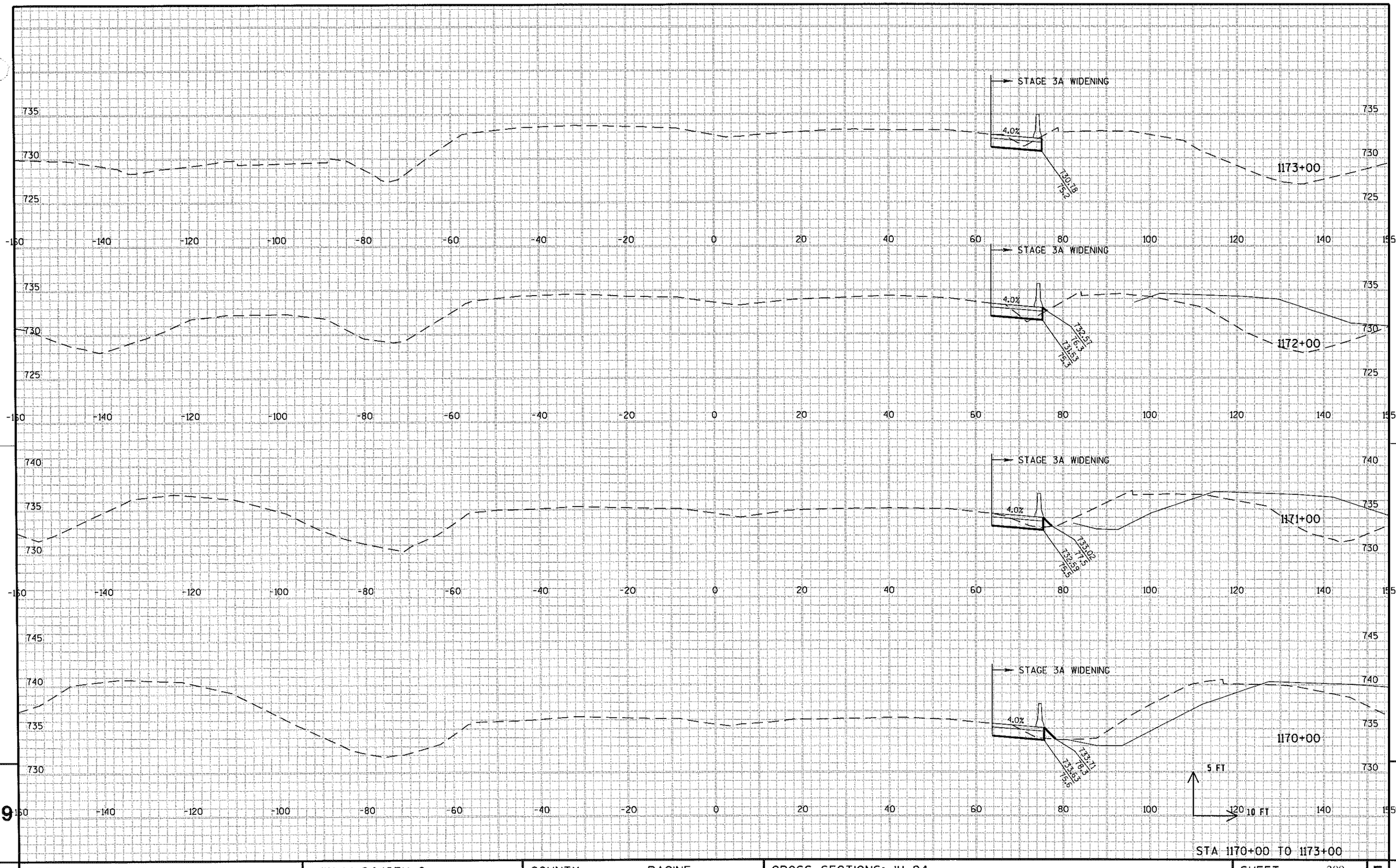


STA 1167+00 TO 1169+00

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET 308	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\090204_xs_I94.dgn PLOT DATE : 28-JAN-2009 12:46 PLOT BY : mscd1s PLOT NAME : PLOT SCALE : 20:1

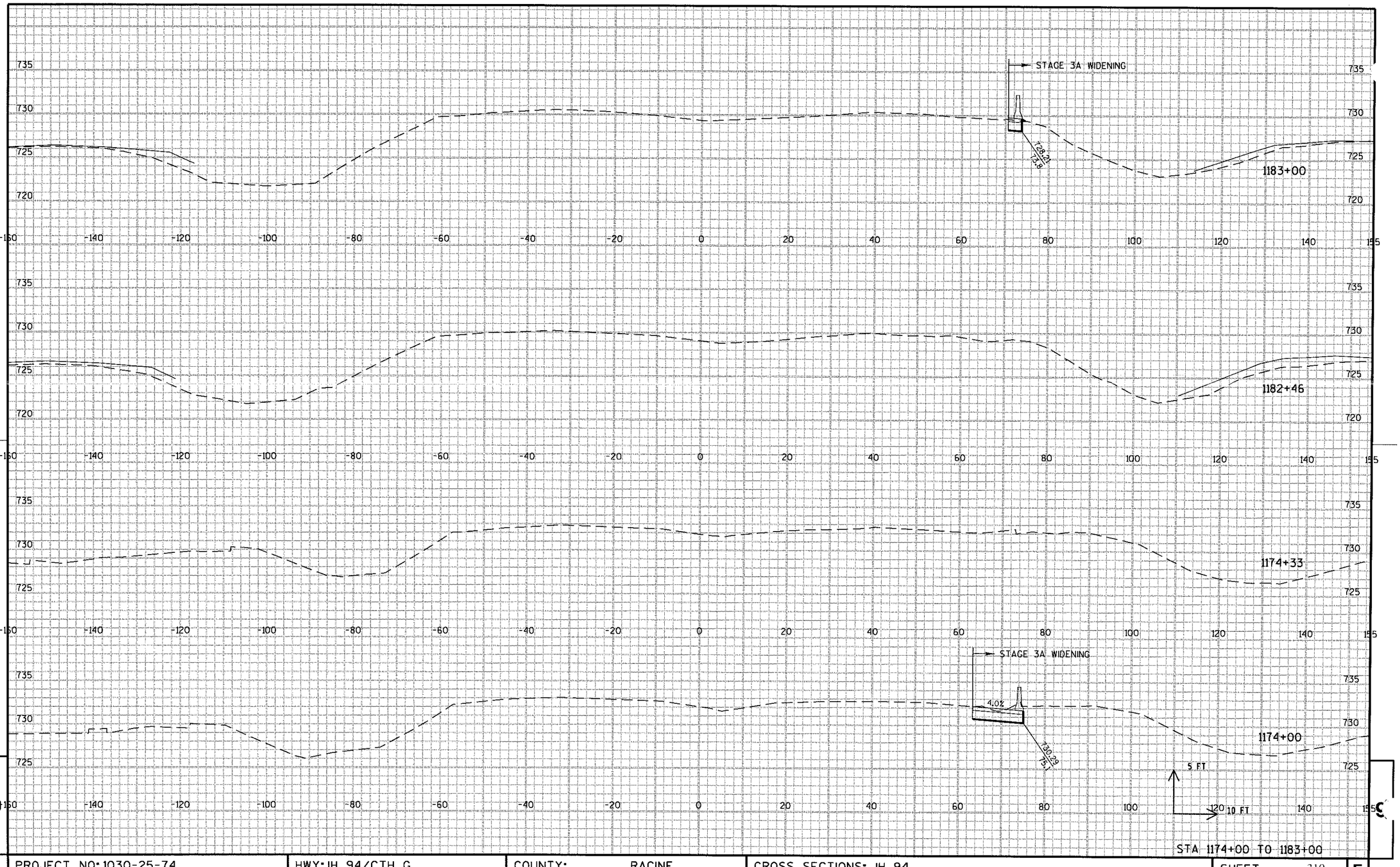
WISDOT/CADDS SHEET 21



PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET 309	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\090204_xs_I94.dgn PLOT DATE : 28-JAN-2009 12:46 PLOT BY : mscdls PLOT NAME : PLOT SCALE : 20:1

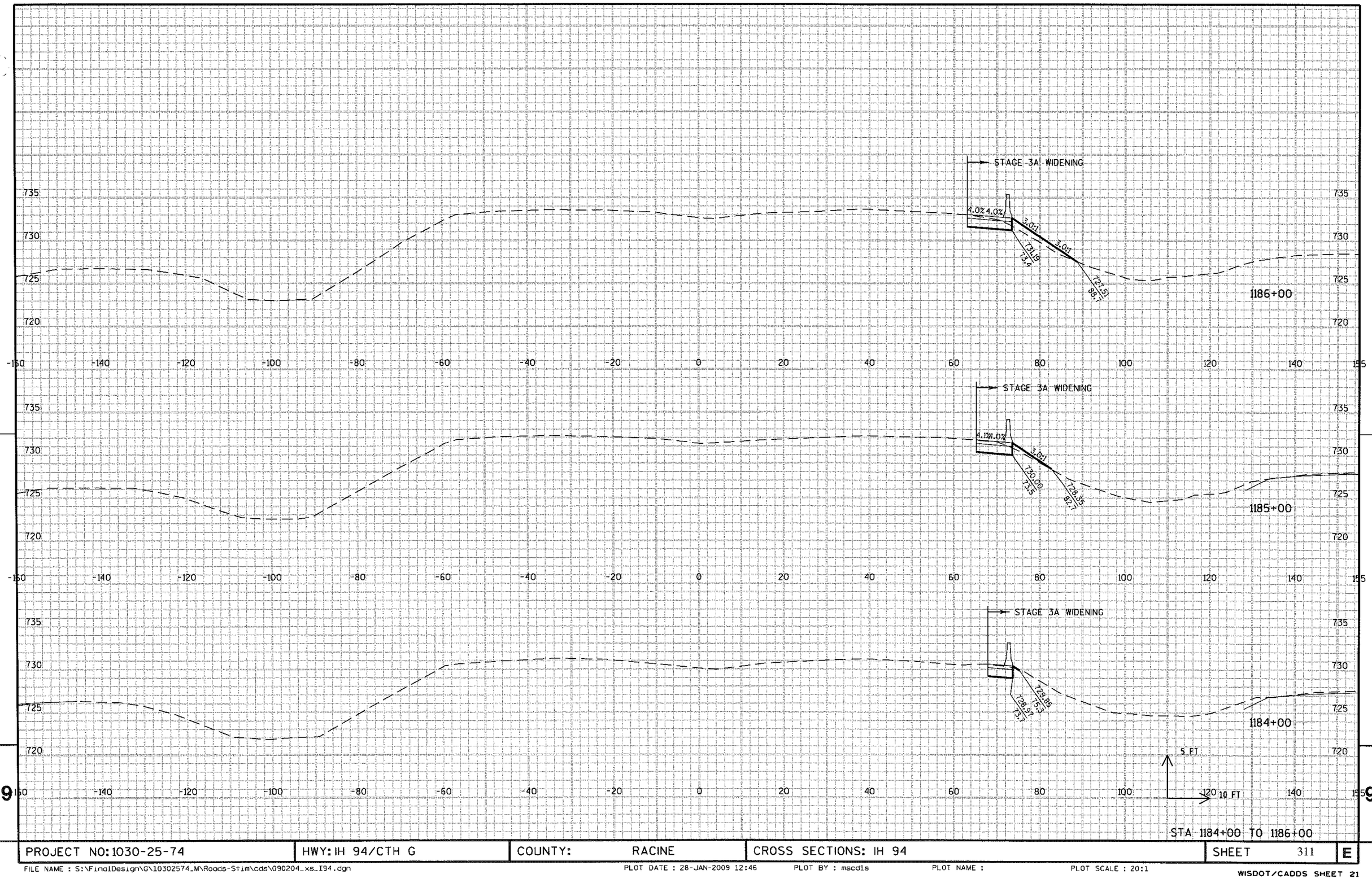
WISDOT/CADDS SHEET 21



PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET 310	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\090204_xs_I94.dgn PLOT DATE : 28-JAN-2009 12:46 PLOT BY : mscdls PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

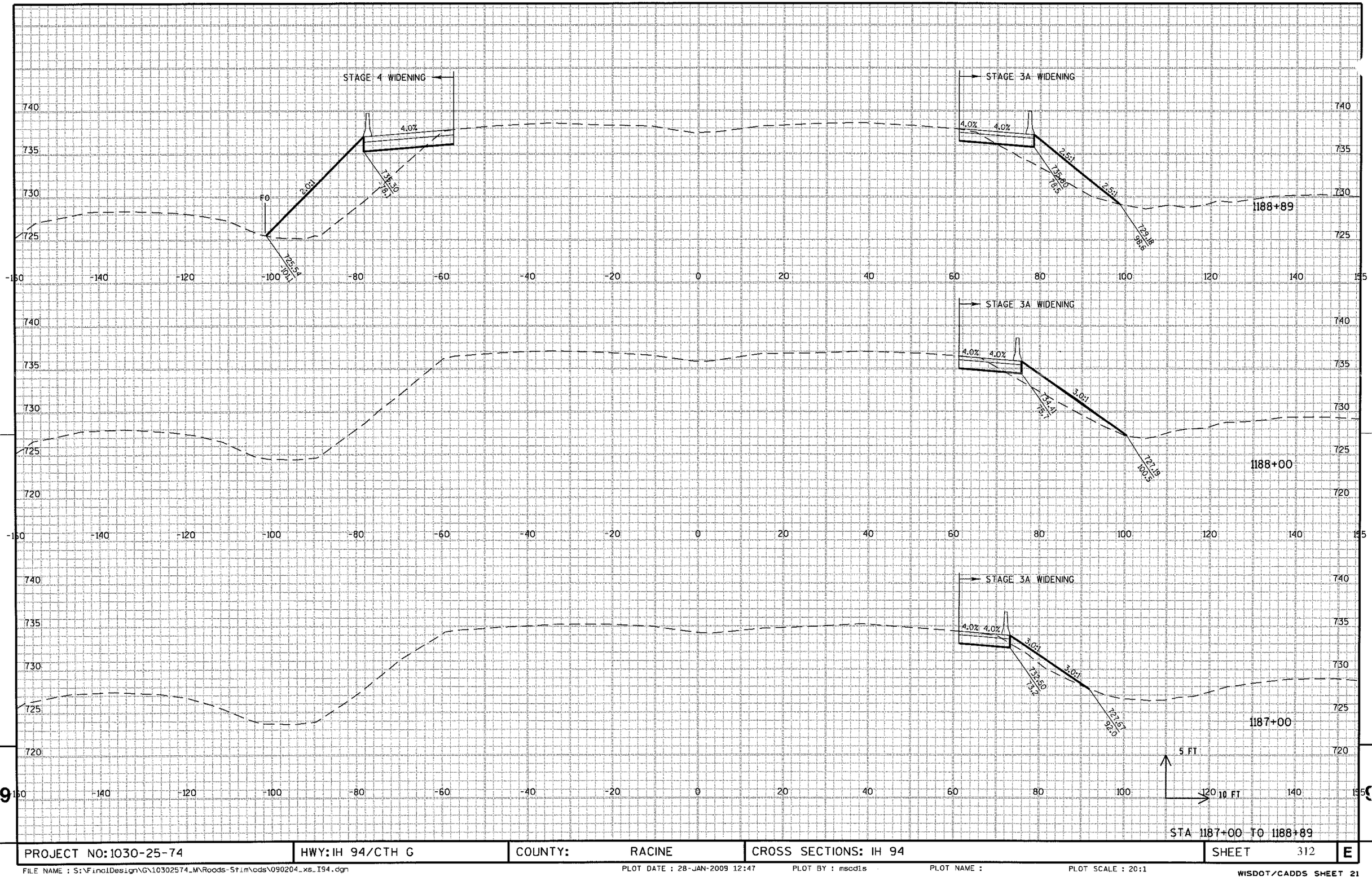


STA 1184+00 TO 1186+00

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET 311	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\090204_xs_I94.dgn PLOT DATE : 28-JAN-2009 12:46 PLOT BY : mscdls PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

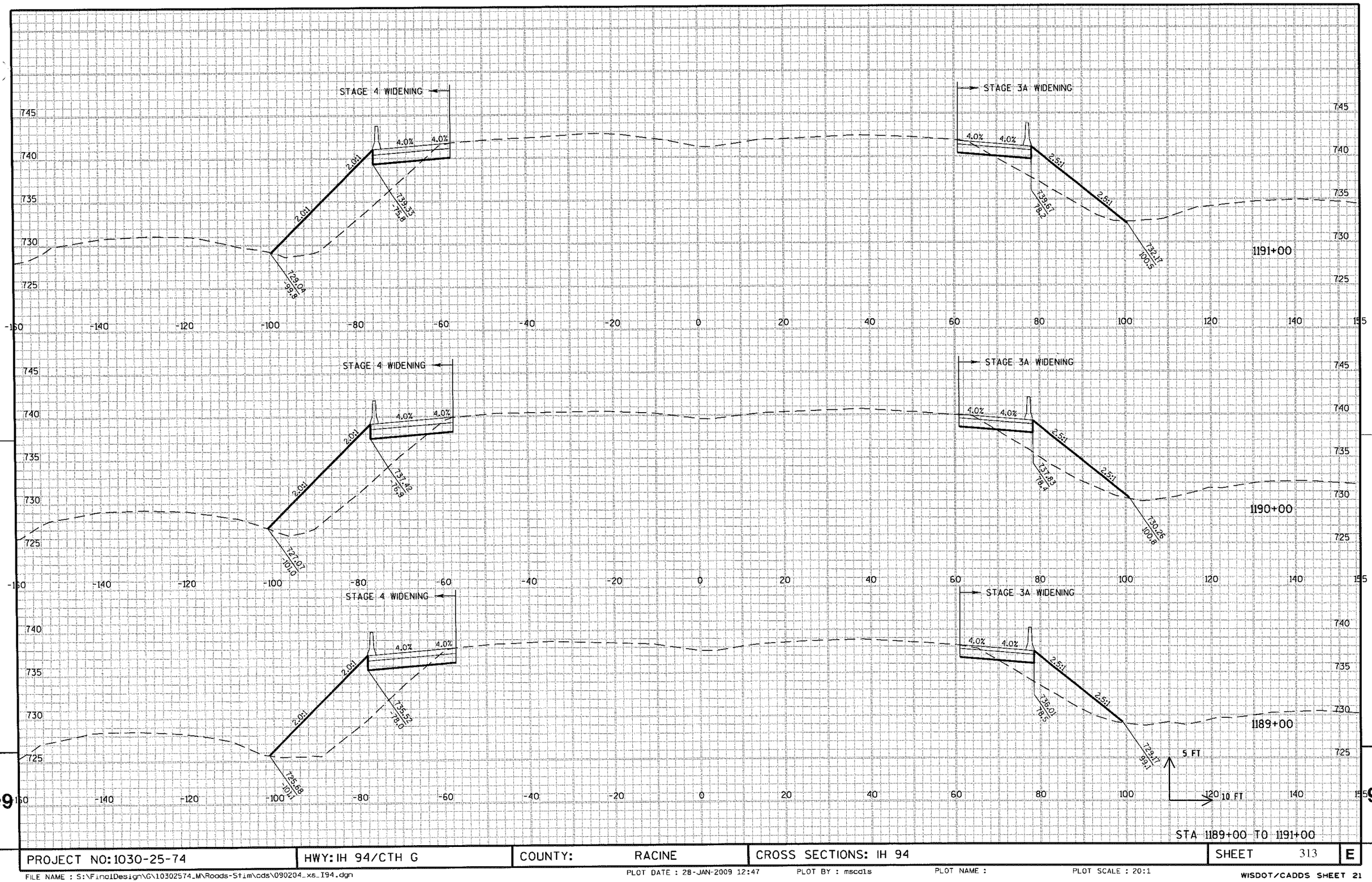


STA 1187+00 TO 1188+89

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET 312	E

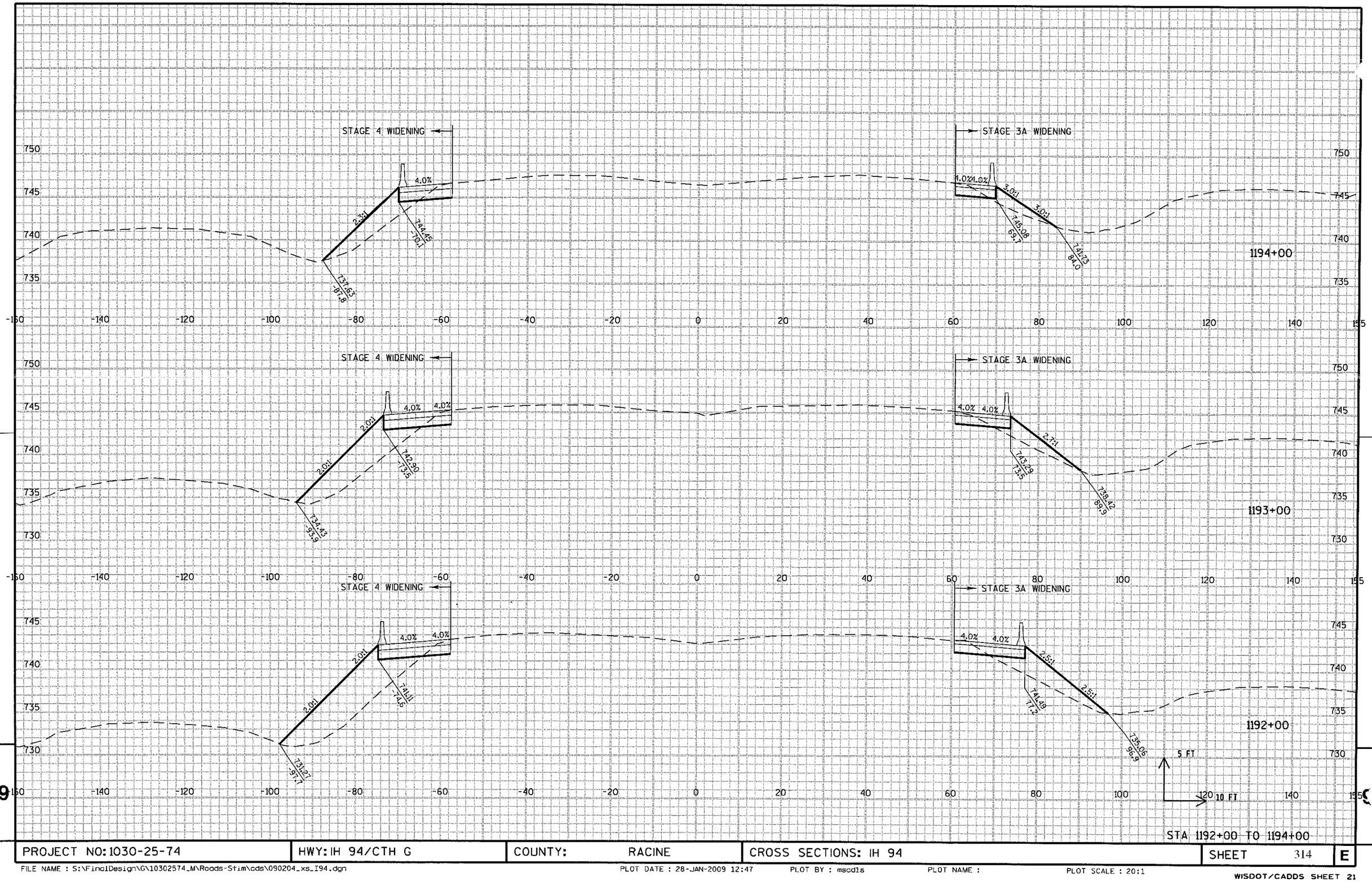
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WISDOT/CADDS SHEET 21



STA 1189+00 TO 1191+00

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET 313	E



PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET 314	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\090204_xs_I94.dgn PLOT DATE : 28-JAN-2009 12:47 PLOT BY : mscdls PLOT NAME : PLOT SCALE : 20:1

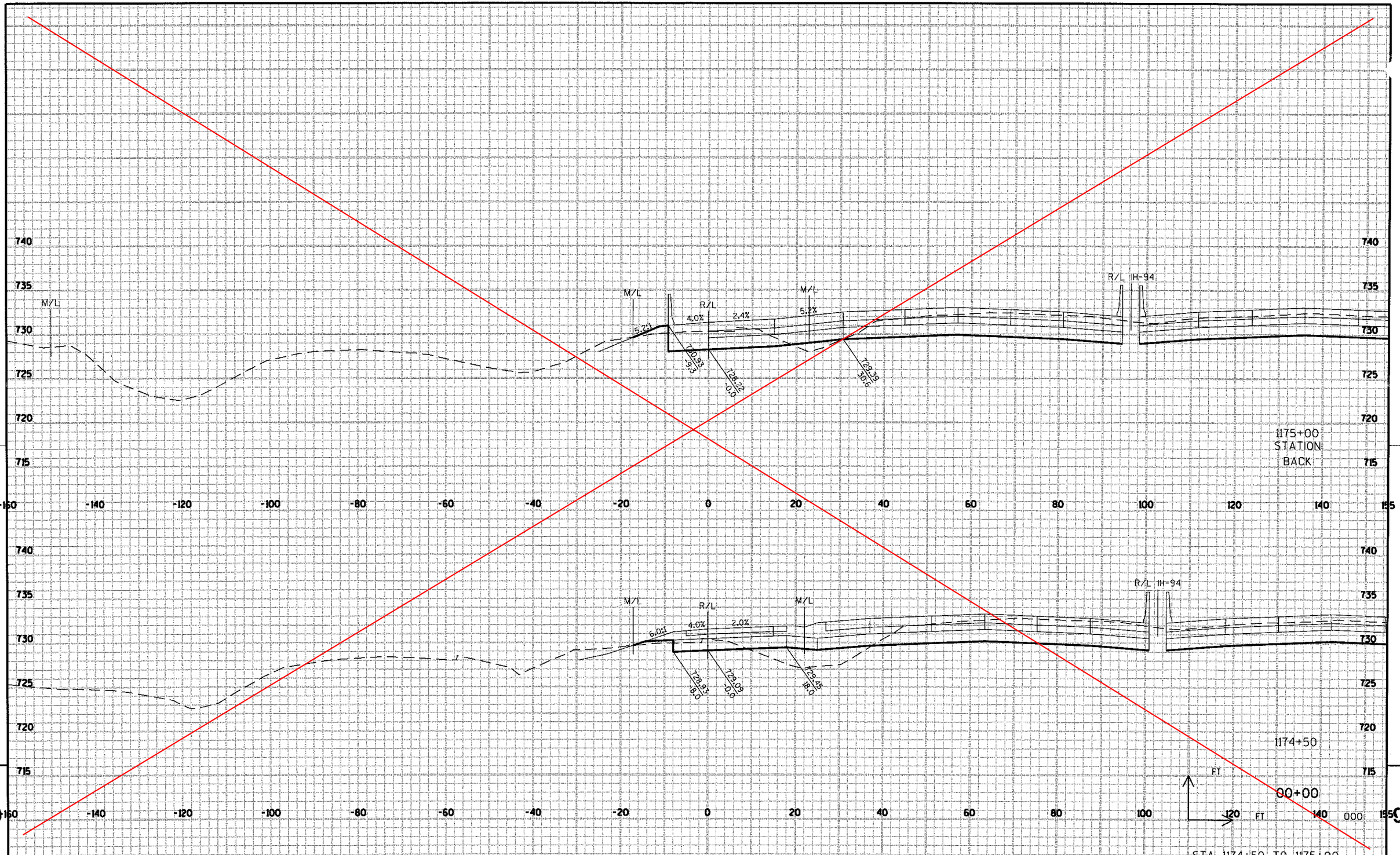
WISDOT/CADDS SHEET 21

760
755
750
745
740
-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155
1196+24
STATION
BACK
STAGE 4 WIDENING
747.67
60.6
STAGE 3A WIDENING
748.21
62.1
1196+00
STAGE 4 WIDENING
4.0%
3.0:1
746.23
65.4
740.95
85.3
STAGE 3A WIDENING
1.0:1
3.0:1
746.85
65.9
744.43
77.4
1195+00
5 FT
10 FT
STA 1195+00 TO 1196+24

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: IH 94	SHEET 315	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\090204_xs_I94.dgn
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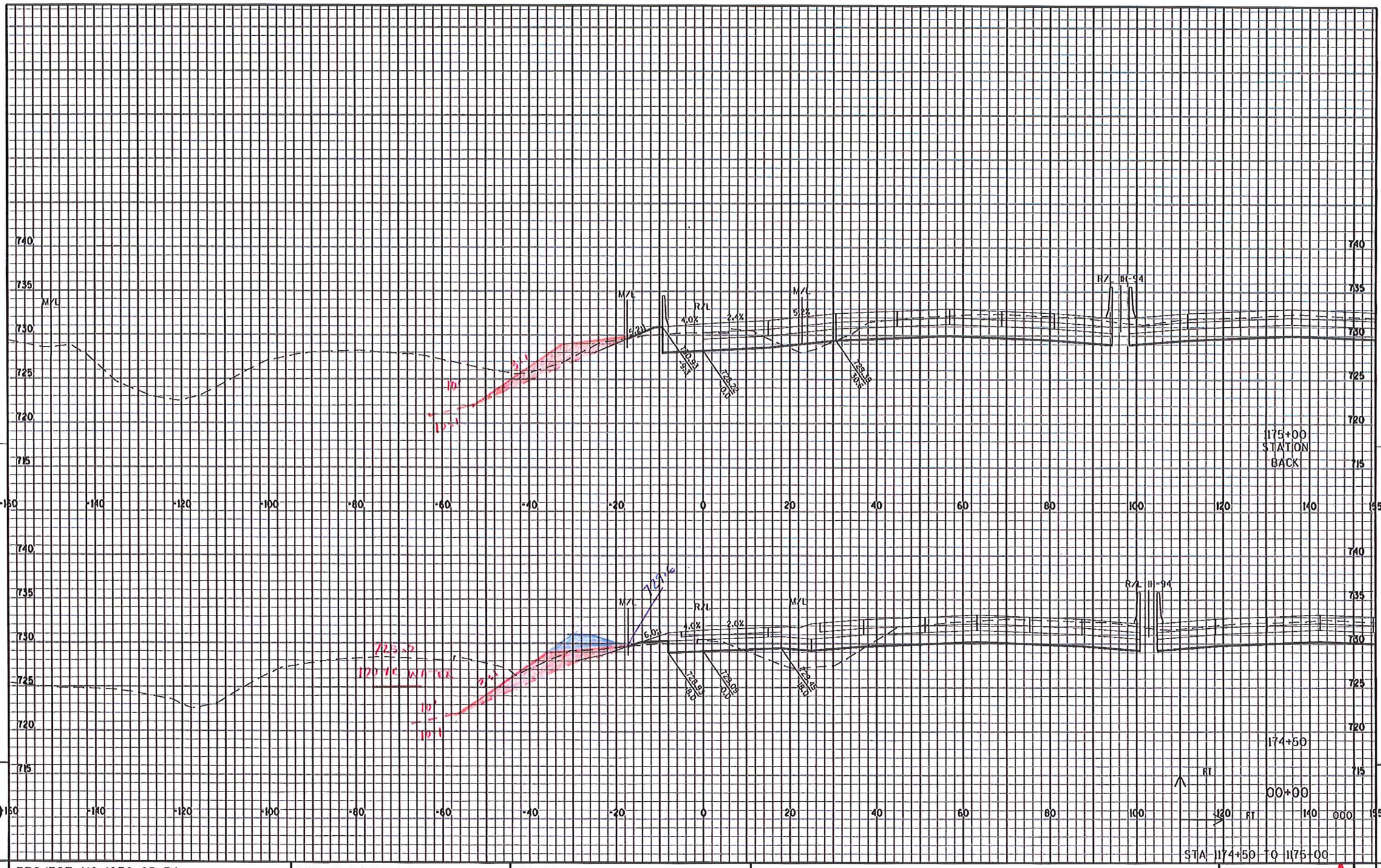
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PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: RAMP NW	SHEET 316	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\090205_xs_rampnw.dgn PLOT DATE : 28-JAN-2009 12:47 PLOT BY : mscdls PLOT NAME : PLOT SCALE : 20:1

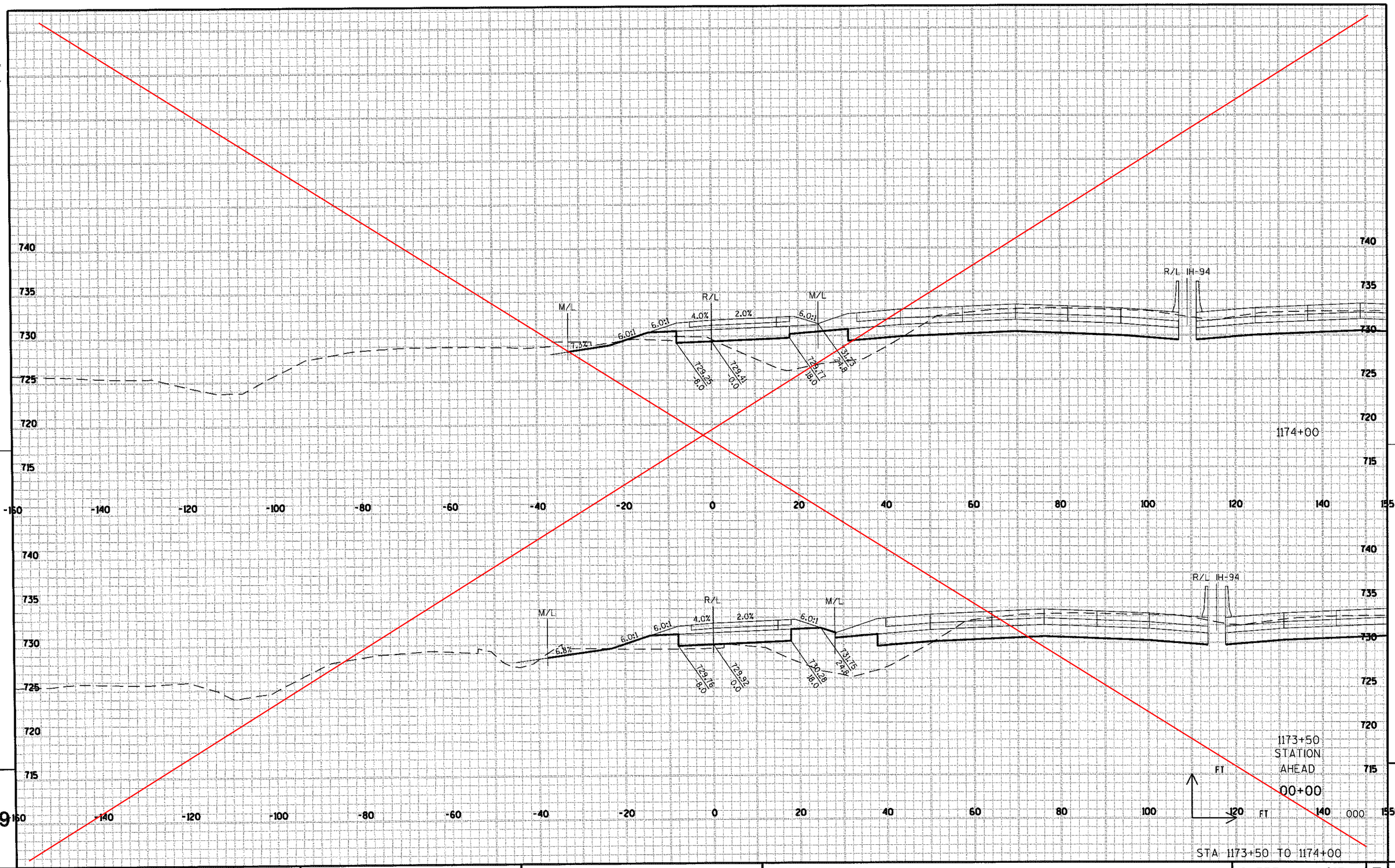
WISDOT/CADDS SHEET 21



PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: RAMP NW	SHEET 316 A E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stlm\cds\090205_xs_rampnw.dgn PLOT DATE : 28-JAN-2009 12:47 PLOT BY : mscdls PLOT NAME : PLOT SCALE : 20:1

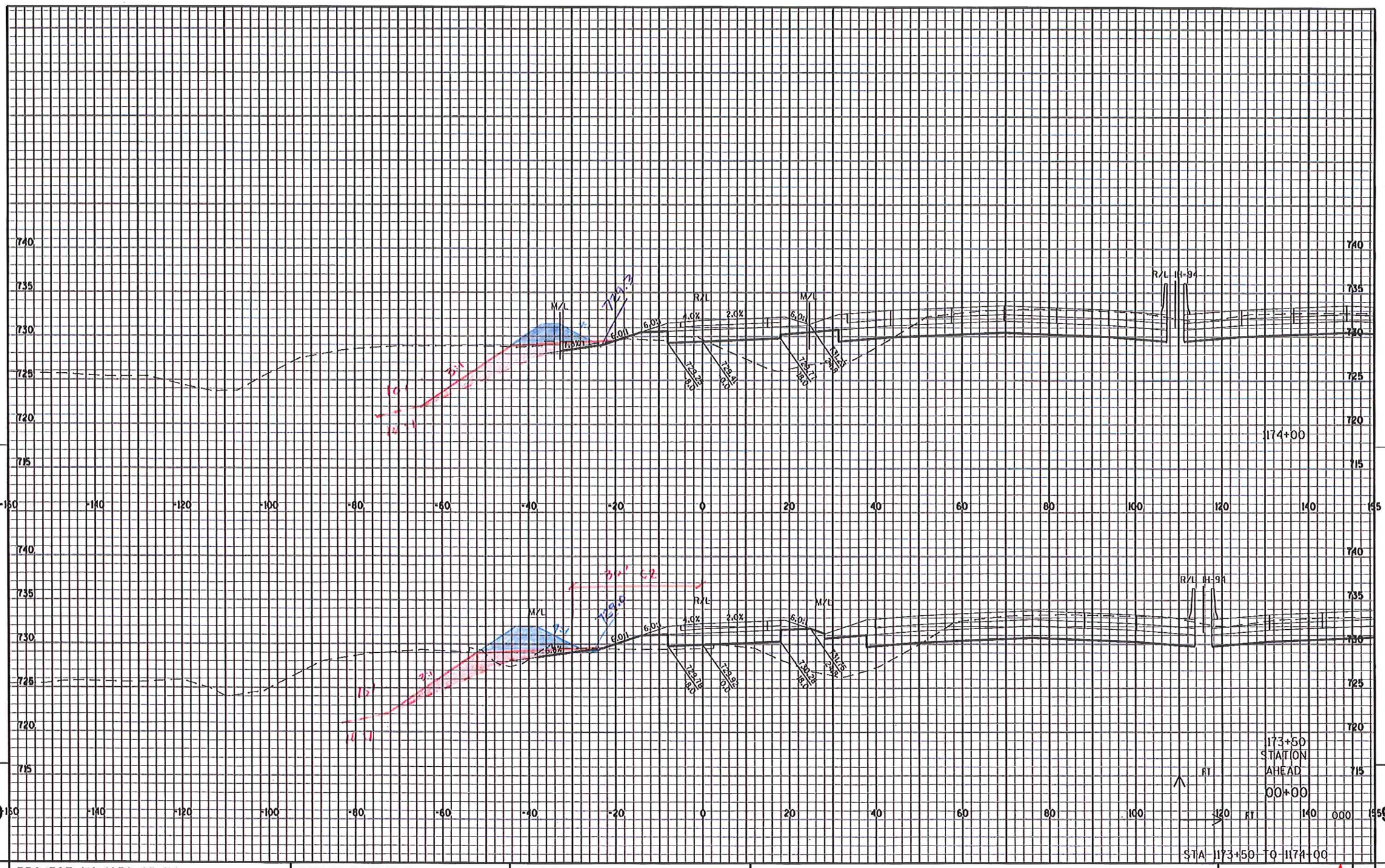
WISDOT/CADDS SHEET 21



PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: RAMP NW	SHEET 317	E

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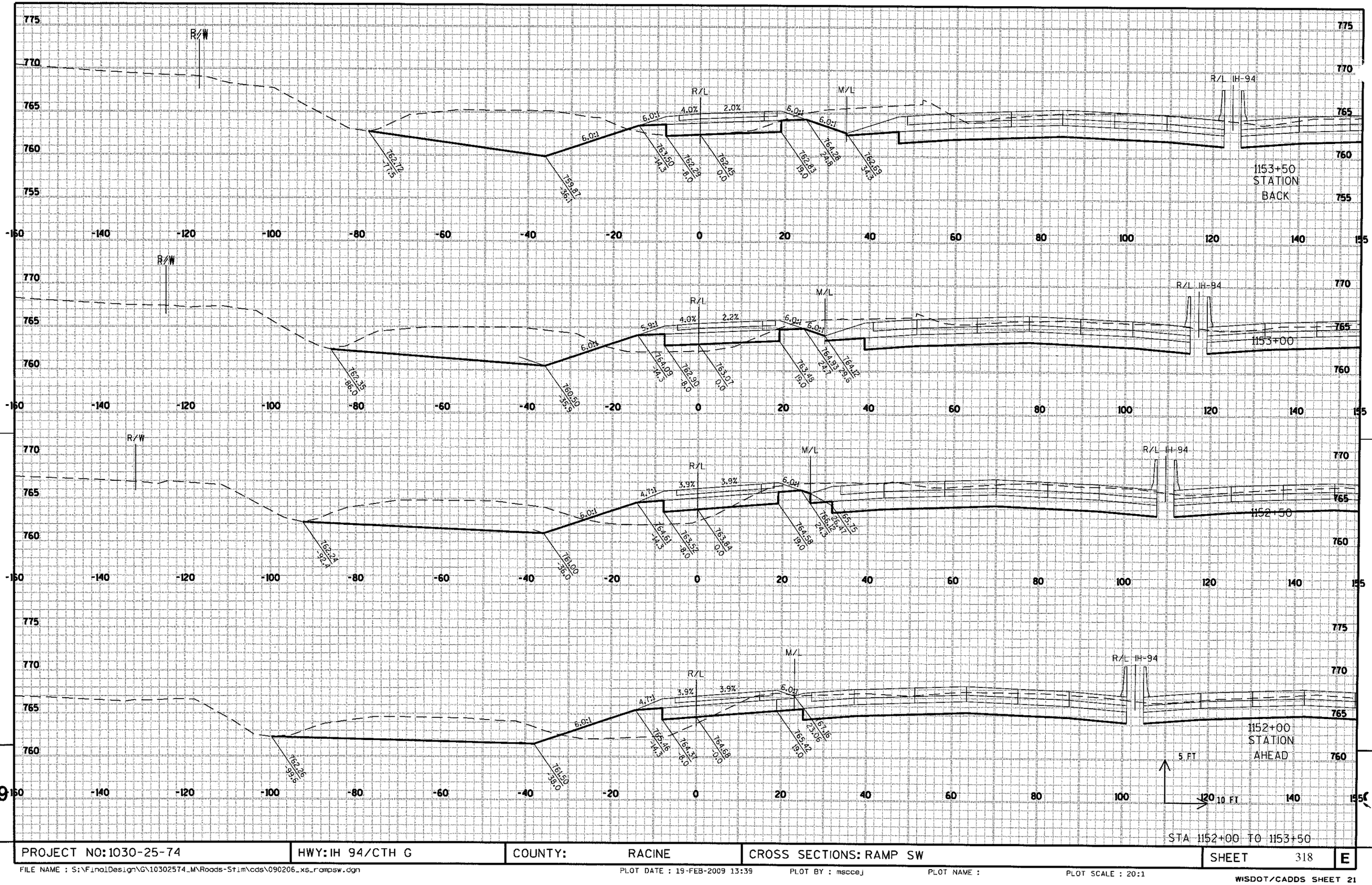
WISDOT/CADDS SHEET 21



PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: RAMP NW	SHEET 317A E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\090205_xs_rompnw.dgn PLOT DATE : 28-JAN-2009 12:48 PLOT BY : mscdls PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



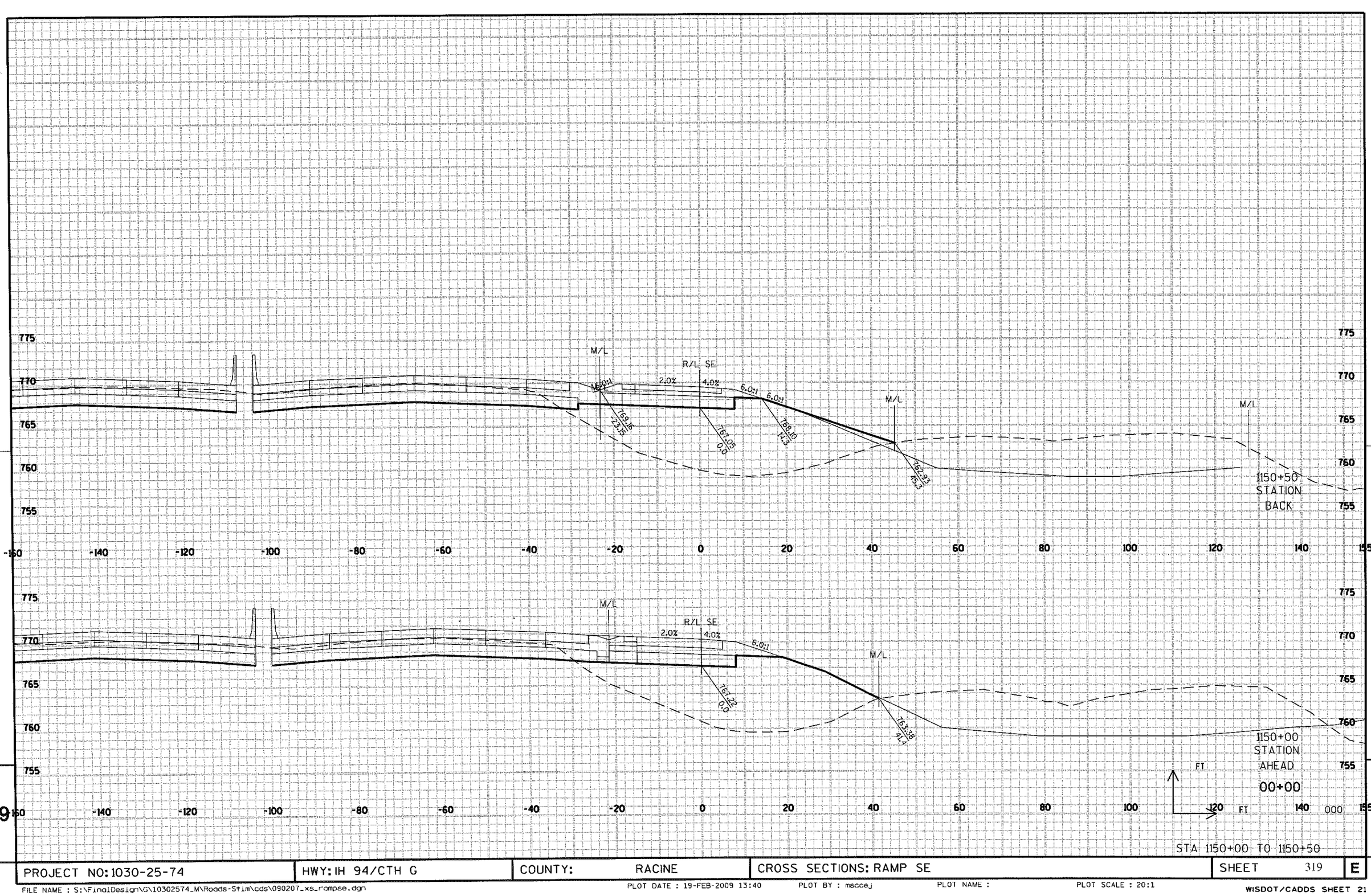
STA 1152+00 TO 1153+50

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: RAMP SW	SHEET 318	E

9

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\090206_xs_rampsw.dgn PLOT DATE : 19-FEB-2009 13:39 PLOT BY : msccej PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

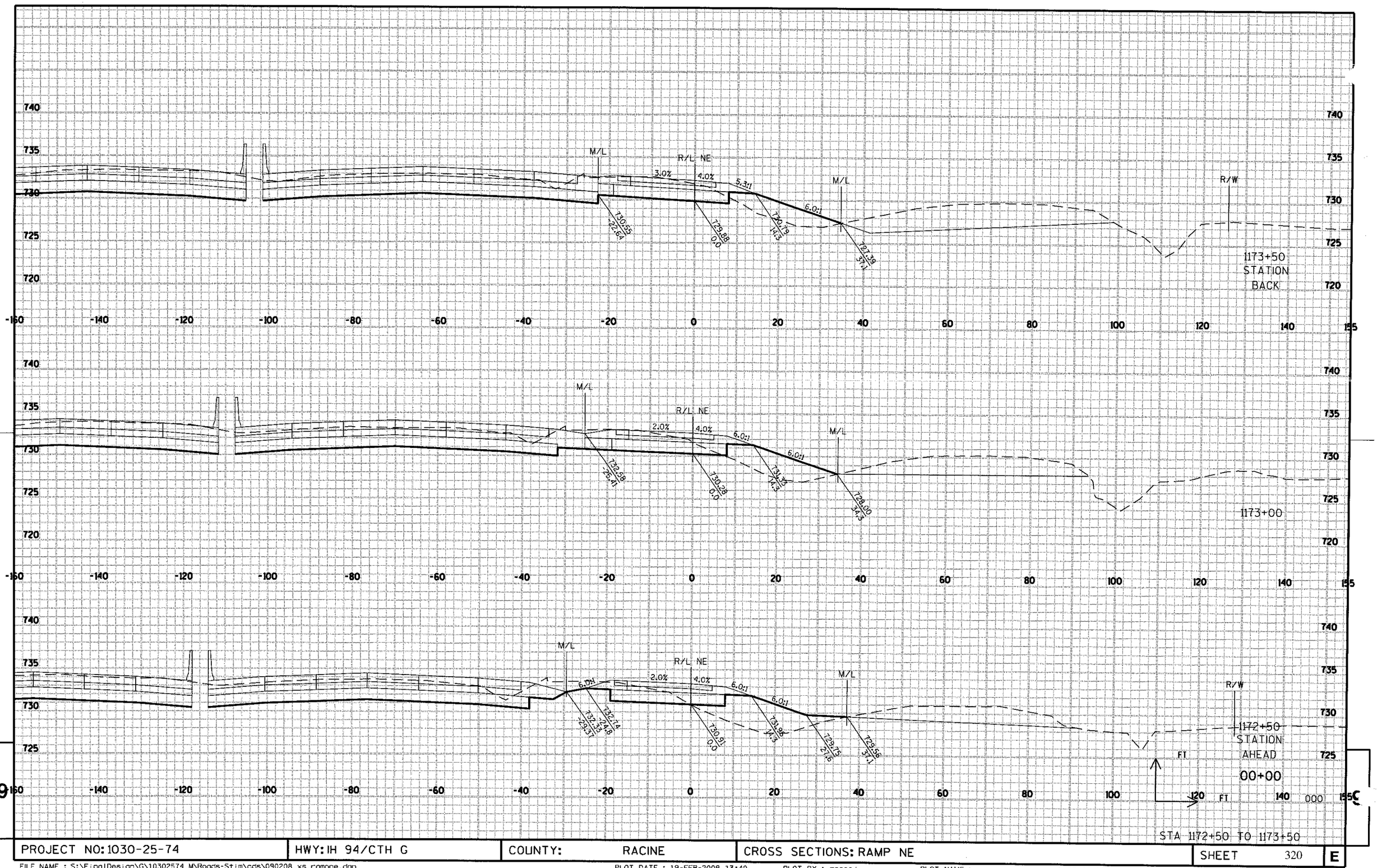


STA 1150+00 TO 1150+50

PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: RAMP SE	SHEET 319	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\090207_xs_rampse.dgn PLOT DATE : 19-FEB-2009 13:40 PLOT BY : msccej PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



PROJECT NO: 1030-25-74	HWY: IH 94/CTH G	COUNTY: RACINE	CROSS SECTIONS: RAMP NE	SHEET 320	E

FILE NAME : S:\FinalDesign\G\10302574_M\Roads-Stim\cds\090208_xs_rampne.dgn PLOT DATE : 19-FEB-2009 13:40 PLOT BY : msccej PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

Wisconsin Department of Transportation

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