WKE MAR 13

PROJECT ID: 1030-24-81
WITH: N/A

COUNTY: RACINE

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details (Includes Erosion Control)
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 = 88

N

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

N-S FREEWAY STH 11 INTERCHANGE

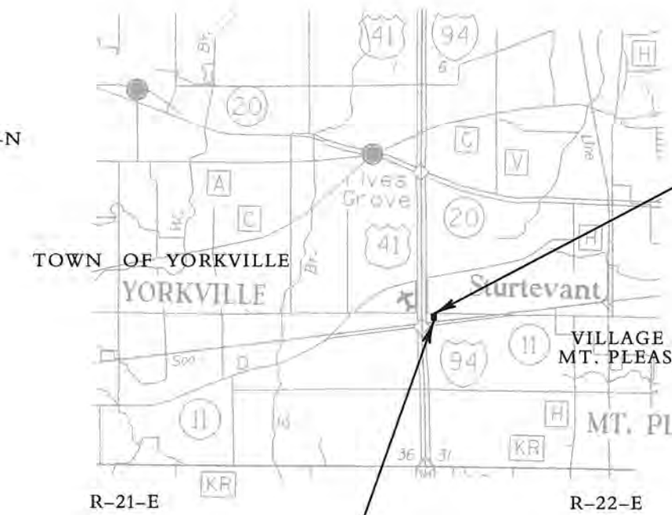
ACCESS ROAD RECONSTRUCTION

IH-94

RACINE COUNTY

STATE PROJECT NUMBER
1030-24-81

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1030-24-81		



END PROJECT 1030-24-81
STA. 79B+80.00

BEGIN PROJECT 1030-24-81
STA. 74B+21.30
Y=175068.46
X=594427.96

DESIGN DESIGNATION

A.A.D.T.	2010	N/A
A.A.D.T.	2035	N/A
D.H.V.		N/A
D.D.		N/A
T.		N/A
DESIGN SPEED		30 MPH
ESALS		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

LAYOUT
SCALE 0 1 MI.

TOTAL NET LENGTH OF CENTERLINE = 0.000 MI.

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

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988(91), NAVD88(91)

ORIGINAL PLANS PREPARED BY

DAAR ENGINEERING, INC.
www.daarengineering.com
Milwaukee, WI 53212
414-225-9817

WISCONSIN PROFESSIONAL ENGINEER
JOSHUA H. MOUNT
E-35706
MILWAUKEE, WI

10/31/2012 (Date) (Signature)

ORIGINAL PLANS PREPARED BY

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Milwaukee, WI 53233
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MILWAUKEE
WI

10/31/2012 (Date) (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	DOT
Designer	SE DEsign Works
Project Manager	JOSHUA LEVEQUE
Regional Examiner	
Regional Supervisor	WAFA ELOAQ

APPROVED FOR THE DEPARTMENT
DATE: 10/31/12 (Signature)

E

UTILITY CONTACTS

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

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

DIGGERS HOTLINE

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

AT&T WISCONSIN
MR. TOM KIEFER
AT&T WISCONSIN
316 W. WASHINGTON AVE. RM. 305
MADISON, WI 53703
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MR. ROBERT DETERT
TIME WARNER CABLE
1320 N. MARTIN LUTHER KING JR. DR.
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WISDOT RWIS
MR. MICHAEL ADAMS, METEOROLOGIST
WEATHER MANAGEMENT SOLUTIONS, LLC.
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MADISON, WI 53707
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MANAGER PLANNING/ENGINEERING
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VILLAGE OF MOUNT PLEASANT
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WisDOT UTILITY COORDINATOR
RABI BISTA
SE FREEWAYS
UTILITY COORDINATOR
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rabi.bista@dot.wi.gov

SYLVANIA AIRPORT
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SYLVANIA AVIATION SERVICES, INC.
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EMCS, INC
BRIAN WILSON
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BWilson@emcsinc.com

CANADIAN PACIFIC RAILWAY CO.
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CANADIAN PACIFIC RAILWAY COMPANY
501 MARQUETTE AVE., SUITE 635
MINNEAPOLIS, MN 55402
PHONE: (612) 904-5994

ORDER OF SECTION 2 DETAIL SHEETS

GENERAL NOTES

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

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. THE PLANS REFLECT UTILITES AS OF SEPETEMBER 2011. UTILITIES INSTALLED OR RELOCATED SINCE THAT TIME ARE NOT REFLECTED.

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. BACKFILL WILL BE CONSIDERED INCIDENTAL TO THE ABANDONMENT OR REMOVAL ITEM.

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

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

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.

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

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.

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

FERTILIZER SHALL NOT BE USED NEAR NAVIGABLE WATERWAYS OR WETLANDS

ASPHALTIC AND CONCRETE SURFACES INCLUDING DRIVEWAYS AND/OR PARKING LOTS SHALL BE SAWCUT AT THE MATCHLINE AS SHOWN ON THE PLAN DETAILS OR AS DIRECTED BY THE ENGINEER.

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

ADDRESS NUMBER SIGNS WILL BE RELOCATED BY LOCAL MUNICIPALITIES. CONTACT MUNICIPALITY PRIOR TO BEGINNING WORK WHICH MAY DISTURB ADDRESS NUMBER SIGNS.

SIGNS IN CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE COVERED. IN LIEU OF COVERING SIGNS, THE CONTRACTOR MAY CHOOSE TO REMOVE AND REINSTALL THEM.

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

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

TACK COAT HAS BEEN ESTIMATED AT AN APPLICATION RATE OF 0.025 GALLON PER SQUARE YARD AND SHALL BE APPLIED BETWEEN ALL LAYERS OF ASPHALTIC PAVEMENT.

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

PAVEMENT TYPE	TOTAL LAYER PAVEMENT THICKNESS	LAYERS	NORMAL MAXIMUM SIZE GRADATION	ASPHALTIC MATERIAL
E-3	5.5"	2¼" UPPER LAYER 3¼" LOWER LAYER	12.5 MM 19.0 MM	PG-58-28 PG-58-28

STANDARD ABBREVIATIONS

AECPRC	APRON ENDWALL CULVERT PIPE REINFORCED CONCRETE
AECPRCHE	APRON ENDWALL CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
AECPSS	APRON ENDWALL CULVERT PIPE SLOPED SECTION
AEW	APRON END WALL
AGG	AGGREGATE
ASPH	ASPHALT
BAD	BASE AGGREGATE DENSE
B/C	BACK OF CURB
BM	BENCH MARK
C&G	CURB AND GUTTER
C/L	CENTER OR CONSTRUCTION LINE
CONC	CONCRETE
CP	CULVERT PIPE
CPCM	CULVERT PIPE CORRUGATED METAL
CPRC	CULVERT PIPE REINFORCED CONCRETE
CPRCHE	CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
CSD	CONCRETE SURFACE DRAIN
CY	CUBIC-YARD
D	DEGREE OF CURVE
Δ	DELTA
DISCH	DISCHARGE
DWY	DRIVEWAY
EBS	EXCAVATION BELOW SUBGRADE
EFR	EAST FRONTAGE ROAD
EL	ELEVATION
FE	FIELD ENTRANCE
HMA	HOT MIX ASPHALT
INV	INVERT
L	LENGTH OF CURVE
LHF	LEFT HAND FORWARD
LT	LEFT
MID	MIDDLE OF RADIUS
MIN	MINIMUM
M/L	MATCHLINE
NB	NORTHBOUND
NC	NORMAL CROWN
PAVT	PAVEMENT
PC	POINT-OF CURVE
PCC	POINT OF COMPOUND CURVE
PE	PRIVATE ENTRANCE
PGL	PROFILE GRADE LINE
PI	POINT OF INTERSECTION
PLE	PERMANENT LIMITED EASEMENT
PT	POINT OF TANGENT
R	RADIUS OF CURVE
R/L	REFERENCE LINE
R/W	RIGHT OF WAY
RC	REVERSE CROWN
REQ'D	REQUIRED
RHF	RIGHT HAND FORWARD
RO	RUN OFF LENGTH
RT	RIGHT
SALV	SALVAGED
SB	SOUTHBOUND
SDD	STANDARD DETAIL DRAWING
SE	SUPER ELEVATION
SF	SQUARE FOOT
SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
SSPRCHE	STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
STA	STATION
SY	SQUARE YARD
T	TANGENT LENGTH
TLE	TEMPORARY LIMITED EASEMENT
TYP	TYPICAL
VCL	VERTICAL CURVE LENGTH
VPC	POINT OF VERTICAL CURVE
VPI	POINT OF VERTICAL INTERSECTION
VPT	POINT OF VERTICAL TANGENT
WFR	WEST FRONTAGE ROAD

2

TOWN OF
YORKVILLE

SYLVANIA
AIRPORT

VILLAGE OF
MOUNT PLEASANT

N

END PROJECT
I.D. 1030-24-81
STA. 79B+80

58TH ROAD

ACCESS
ROAD "B"

CLEAN CULVERT PIPE

GRADE DITCH TO DRAIN
AT 0.3% TO WEST

STH 11

CONSTRUCT
SWALE 2

BEGIN PROJECT
I.D. 1030-24-81
STA. 74B+21.30

SOO LINE RAILROAD CO. D/B/A CANADIAN PACIFIC

WEST FRONTAGE ROAD

IH-94

EAST FRONTAGE RD

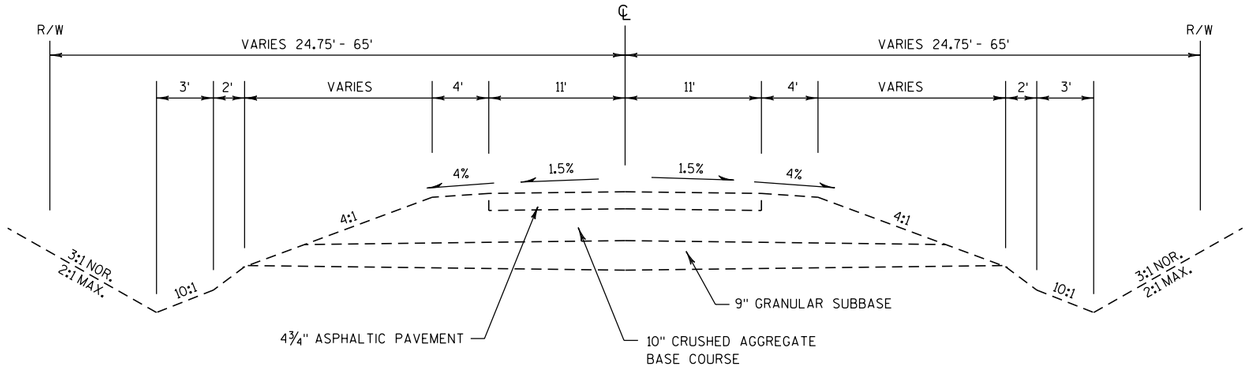
TOWN OF
YORKVILLE

VILLAGE OF
MOUNT PLEASANT

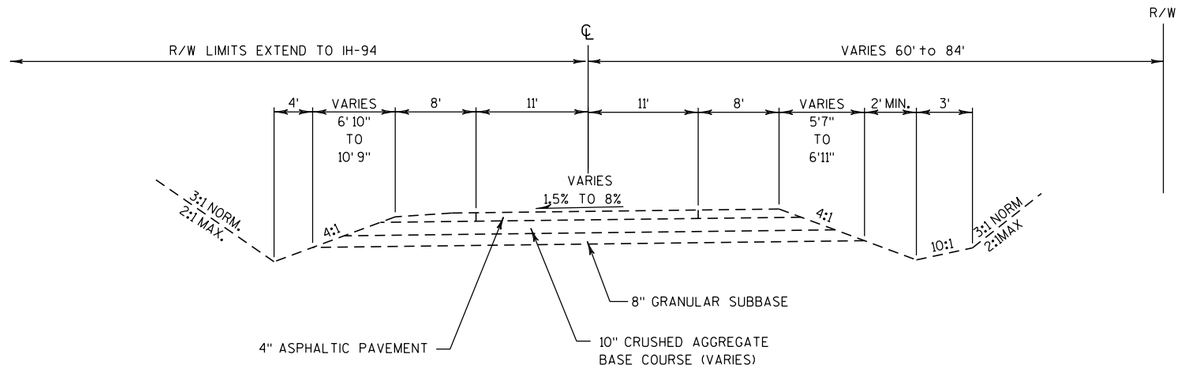
2

PROJECT NO: 1030-24-81	HWY: IH 94	COUNTY: RACINE	PROJECT OVERVIEW: ACCESS ROAD B	SHEET 4	E

2

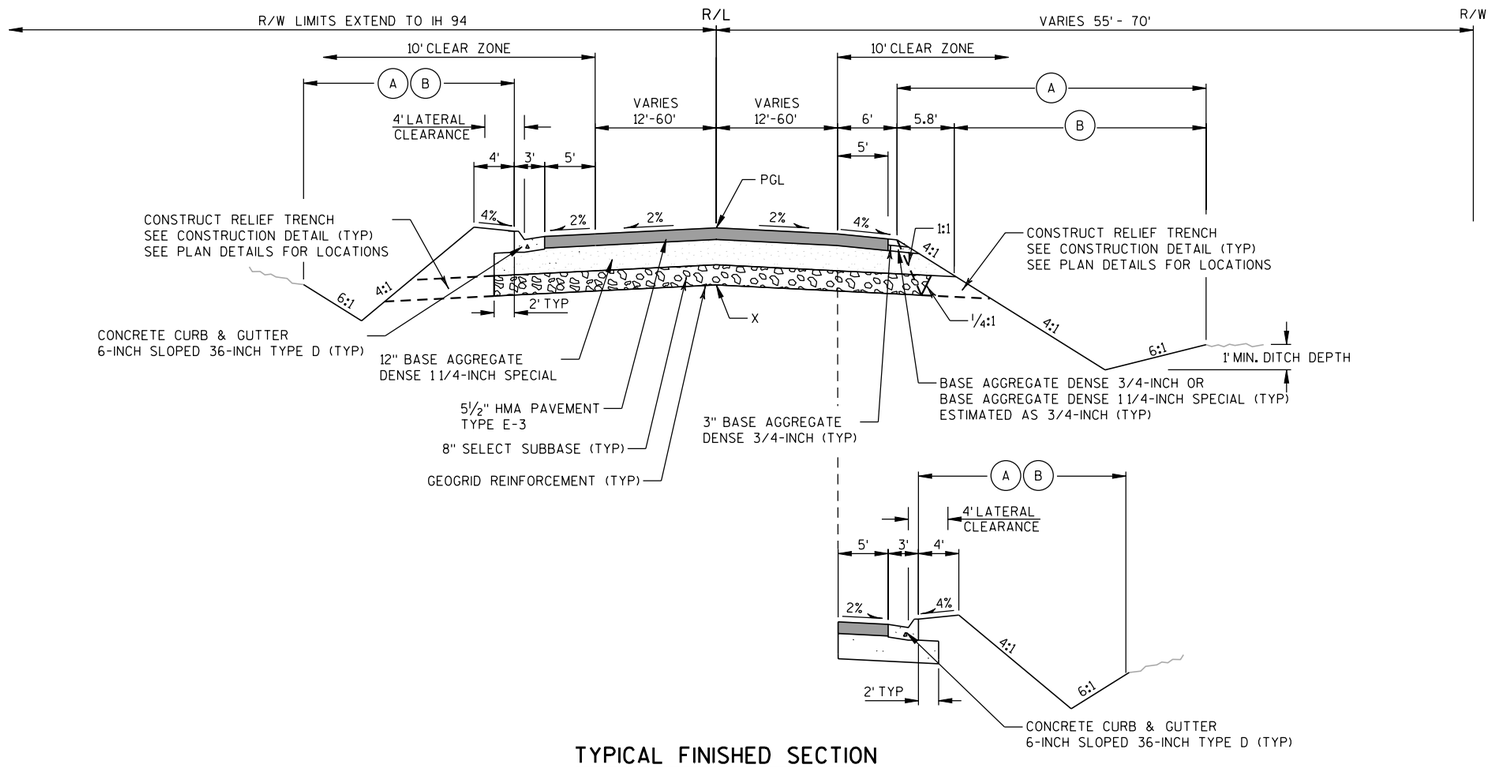


TYPICAL EXISTING SECTION
58TH ROAD



TYPICAL EXISTING SECTION
ACCESS ROAD B

PROJECT NO: 1030-24-81	HWY: IH 94	COUNTY: RACINE	TYPICAL SECTIONS: EXISTING ACCESS ROAD B	SHEET 5	E

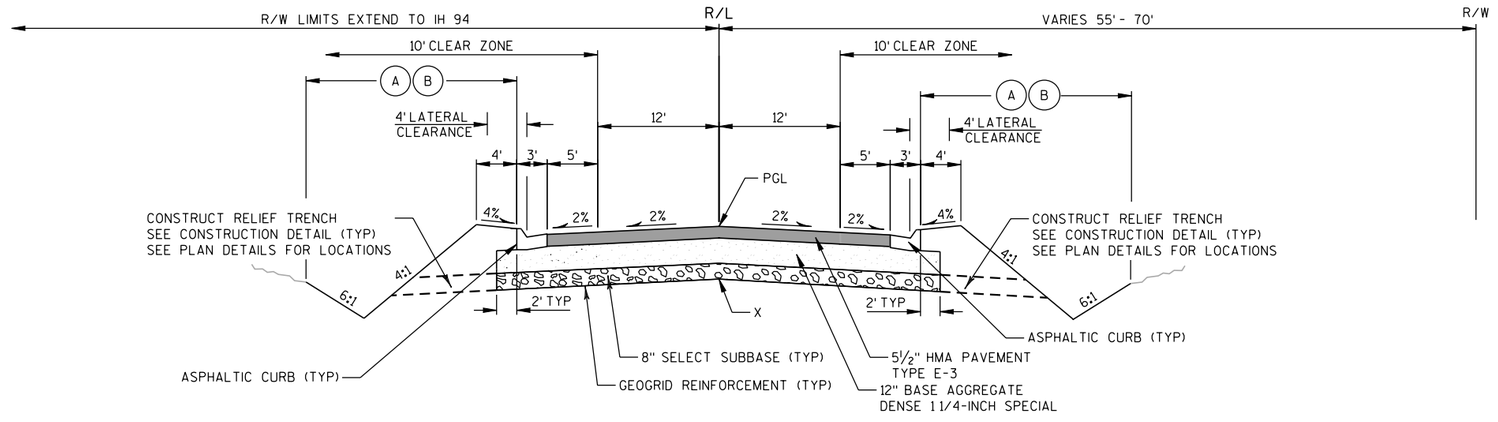


TYPICAL FINISHED SECTION

ACCESS ROAD B

STA 74B+50 TO STA 78B+55

STA 74B+50 TO STA 75B+39
STA 78B+00 TO STA 78B+55



TYPICAL FINISHED SECTION

ACCESS ROAD B

STA 78B+55 TO STA 79B+80

NOTE:

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

LEGEND:

(A) SEEDING MIXTURE NO. 20
AND FERTILIZER TYPE B
(UNLESS OTHERWISE NOTED ON
THE EROSION CONTROL PLANS)

(B) 4" TOPSOIL
AND MULCHING

PROJECT NO: 1030-24-81	HWY: IH 94	COUNTY: RACINE	TYPICAL SECTIONS: ACCESS ROAD B	SHEET 6	E

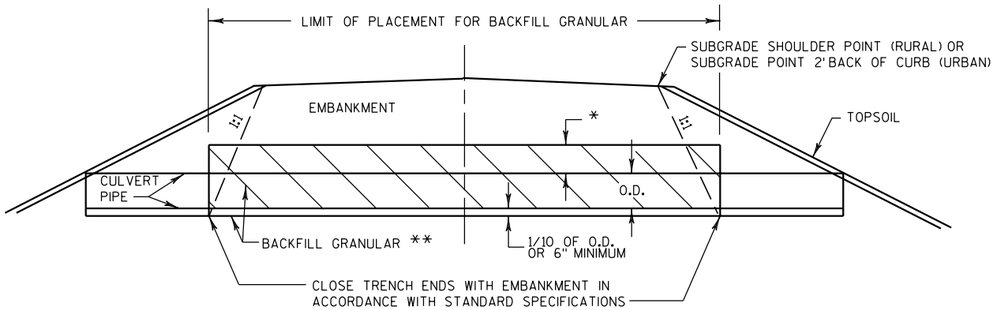
2

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	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP-TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPE-TURF			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT:												
ASPHALT	.70 - .95											
CONCRETE	.80 - .95											
BRICK	.70 - .80											
DRIVES, WALKS	.75 - .85											
ROOFS	.75 - .95											
GRAVEL ROADS, SHOULDERS	.40 - .60											

TOTAL PROJECT AREA = 145.79 ACRES (STH 11 INTERCHANGE R/W AREA)
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 1.97 ACRES (I.D. 1030-24-81)

090805



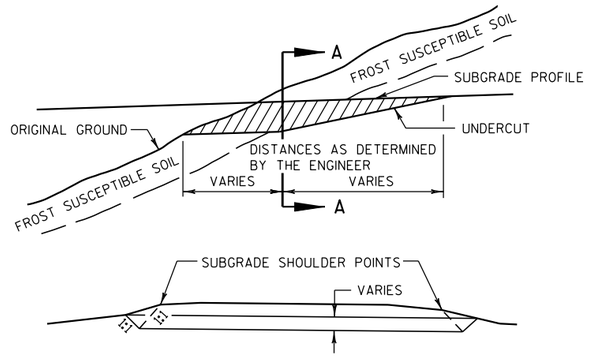
O.D. = OUTSIDE DIAMETER

* CULVERT PIPE IN NEW EMBANKMENT = 1' MIN
* CULVERT PIPE IN EXISTING EMBANKMENT = TO EXISTING GROUND ELEVATION

** INCIDENTAL TO CULVERT PIPE

CULVERT BACKFILL DETAIL

100813



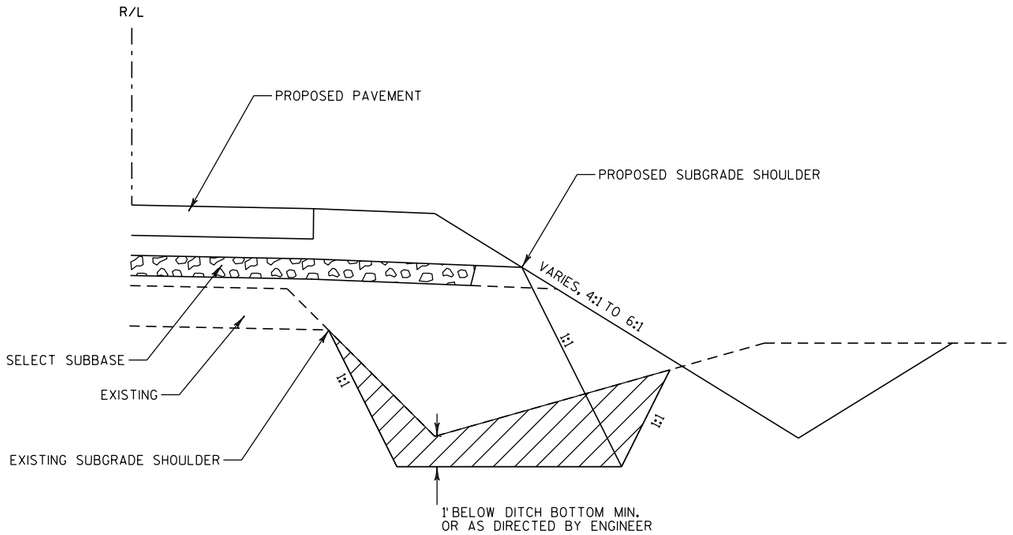
SECTION A-A
CROSS SECTION SHOWING UNDERCUT

NOTES

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

EXCAVATION BELOW SUBGRADE AT CUTS

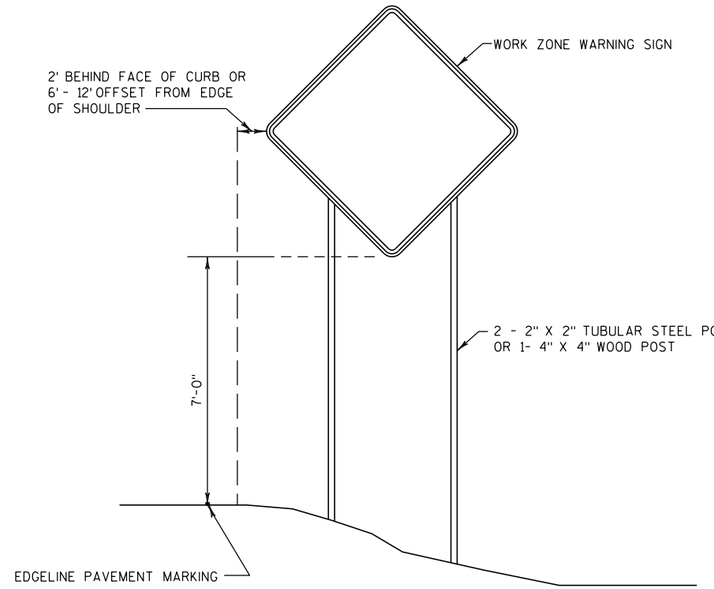
100813



EBS AT DITCH FILLS AT FRONTAGE ROADS

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

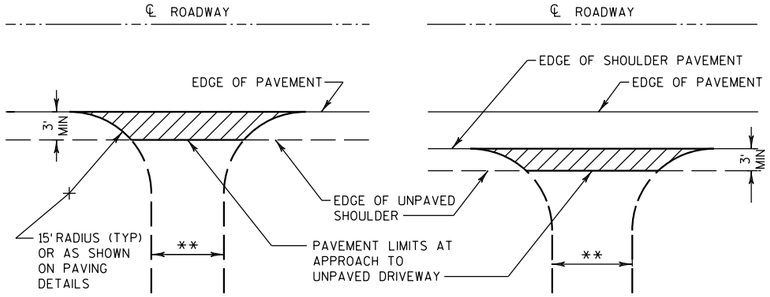
2



TYPICAL TEMPORARY TRAFFIC CONTROL SIGN MOUNTING ON FIXED SUPPORT

LONG TERM
7 DAYS OR MORE

101105

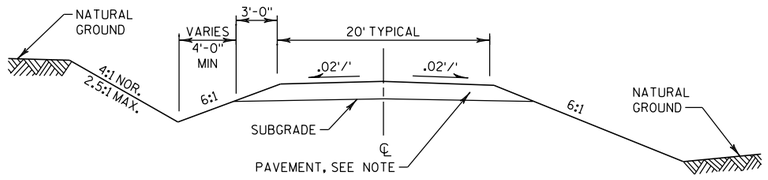


** SEE PAVING DETAILS FOR WIDTH REQUIRED.

PLAN VIEW

PLAN VIEW
(PAVED SHOULDER ON HIGHWAY)

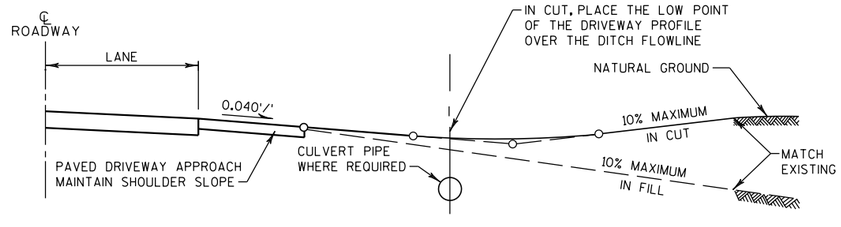
RURAL DRIVEWAY INTERSECTION



IN CUT

IN FILL

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE



TYPICAL DRIVEWAY PROFILES

NOTES

1. WHERE DRIVEWAY IS PAVED, APPROACH PAVEMENT SHOULD BE EXTENDED TO MATCH DRIVEWAY PAVEMENT. SAWCUT IS REQUIRED.

2. DRIVEWAY SURFACE TO BE SAME AS EXISTING WITH MINIMUM SECTION OF:

   ASPHALTIC SURFACE (3-INCH) DRIVEWAYS AND FIELD ENTRANCES OVER
   BASE AGGREGATE DENSE 3/4 -INCH (4-INCH)

   OR

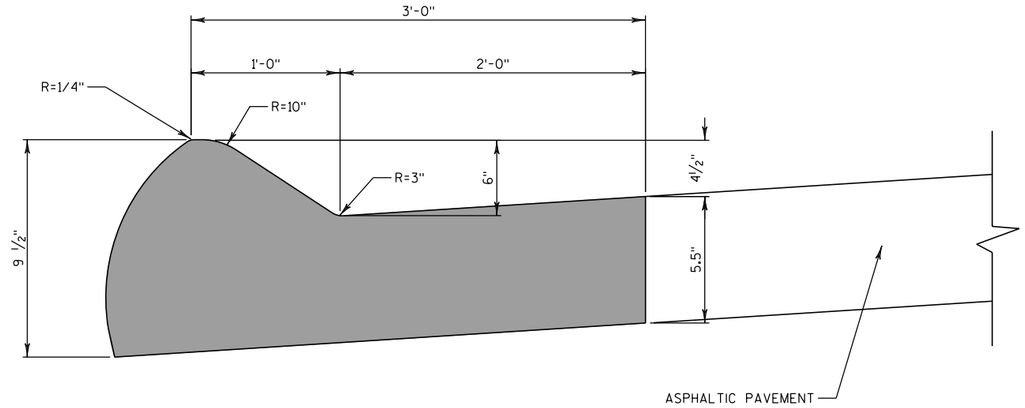
   CONCRETE DRIVEWAY 6-INCH OVER BASE AGGREGATE DENSE 3/4 -INCH (4-INCH)

   OR

   BASE AGGREGATE DENSE 3/4 -INCH (6-INCH)

RURAL DRIVEWAY

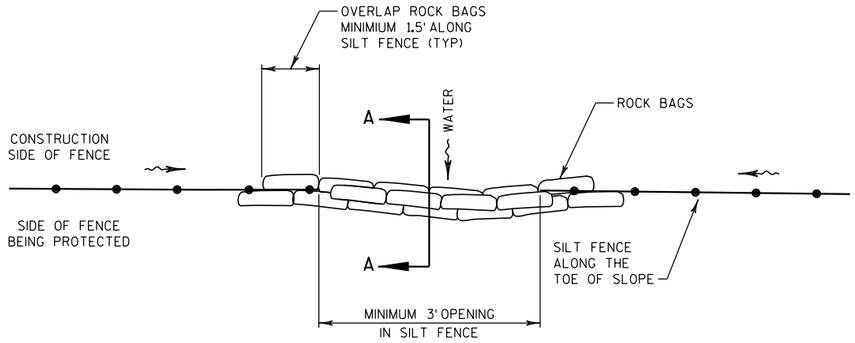
110210



ASPHALTIC CURB

090401

2

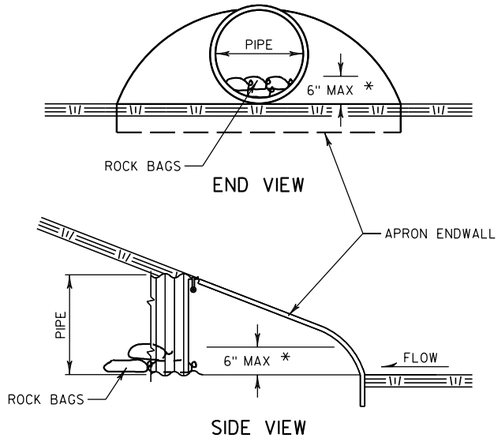


PLAN VIEW

SECTION A-A

SILT FENCE DRAINAGE OUTLET, ROCK BAGS

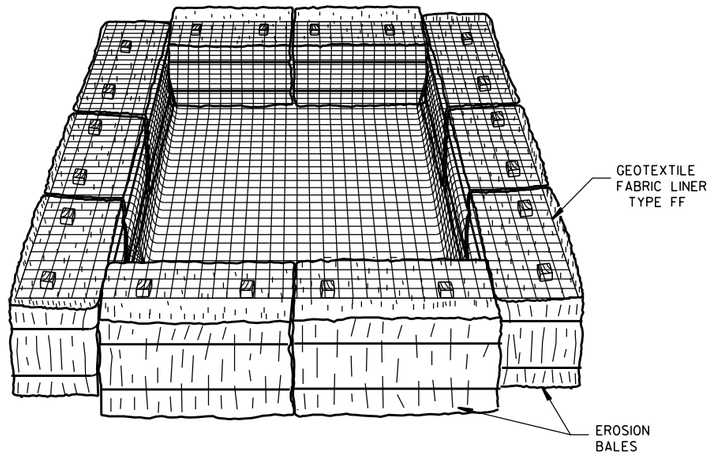
100903



* OR AS DIRECTED BY THE ENGINEER

CULVERT PIPE CHECK

100813



TEMPORARY SETTLING BASIN

(SIZE TO BE DETERMINED IN FIELD AS INDICATED BELOW:)

STORAGE VOLUME (C.F.) = 16 X 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.

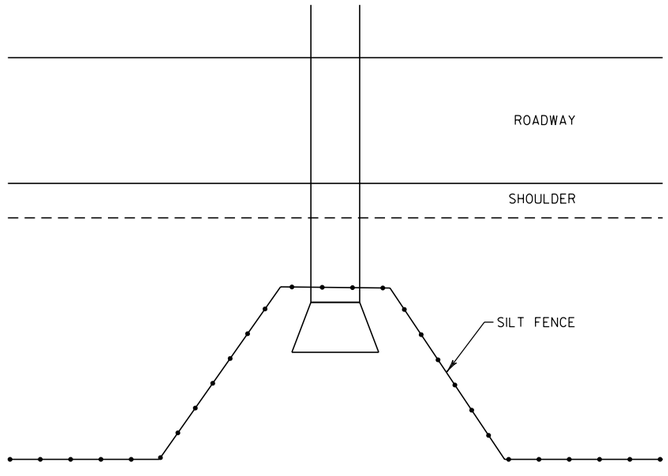
$\frac{800 \text{ C.F.}}{1.5 \text{ FT.}}$ = 533 S.F.

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.

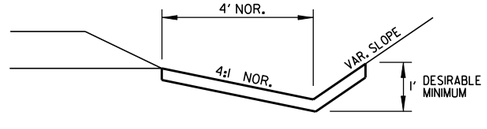
081230



NOTE
SEE SILT FENCE SDD FOR ADDITIONAL INFORMATION.

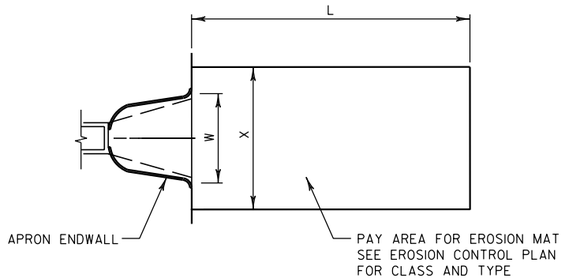
100902

TYPICAL SILT FENCE DETAIL AT PIPE INLET



SOD OR EROSION MAT DETAIL FOR DITCHES

081231



W = WIDTH OF APRON ENDWALL

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

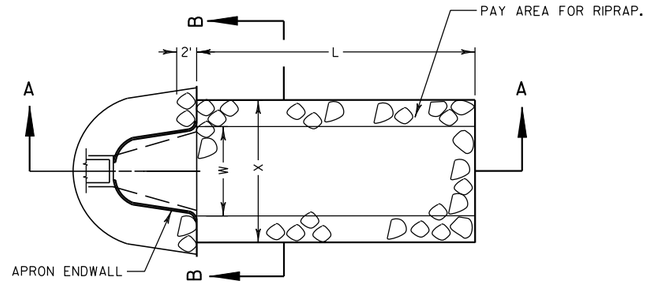
X = W+2' FOR TYPICAL CULVERT
DISCHARGE INTO DITCH
W+5' FOR CULVERT DISCHARGE
DOWN EMBANKMENT SLOPE

EROSION MAT TREATMENT AT CULVERTS

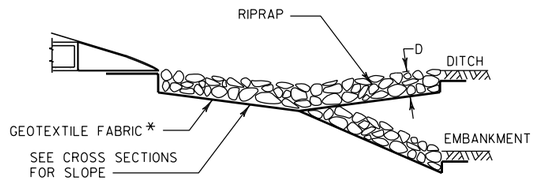
SEE EROSION CONTROL PLAN FOR LOCATIONS

100813

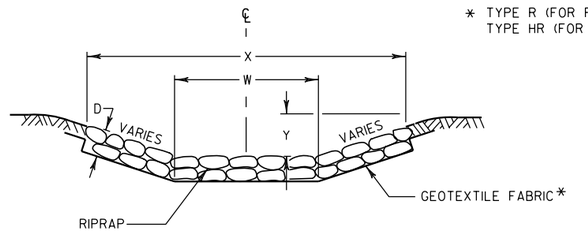
2



PLAN VIEW



SECTION A-A



SECTION B-B

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

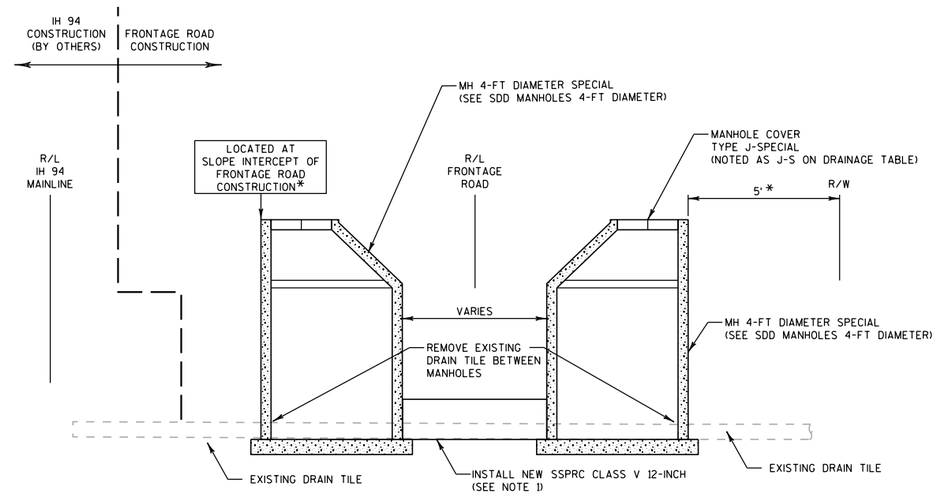
Y = 0' FOR TYPICAL CULVERT
DISCHARGE INTO DITCH
12" FOR CULVERT DISCHARGE
DOWN EMBANKMENT SLOPE

* TYPE R (FOR RIPRAP LIGHT ONLY)
TYPE HR (FOR RIPRAP HEAVY AND MEDIUM ONLY)

RIPRAP AND GEOTEXTILE FABRIC DETAIL AT APRON ENDWALLS

SEE EROSION CONTROL PLAN FOR LOCATIONS

100914



* LOCATION CAN BE ADJUSTED AS NEEDED
IF APPROVED BY THE ENGINEER

STAGING

1. FRONTAGE ROAD CONSTRUCTION:

   CONSTRUCT MANHOLE 4-FT DIAMETER SPECIAL. CONNECT EXISTING TILE TO MANHOLE. REPLACE EXISTING TILE WITH SSPRC CLASS V 12-INCH BETWEEN MANHOLES.

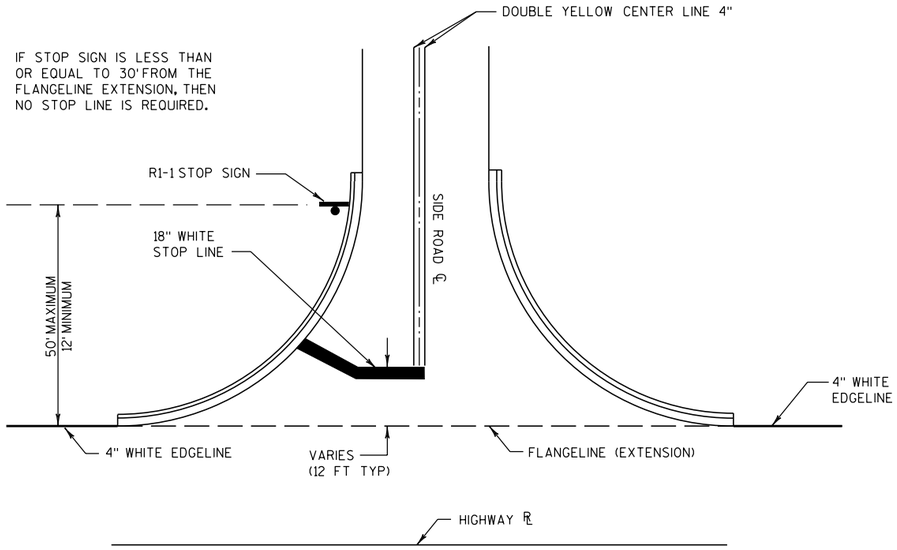
NOTES

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

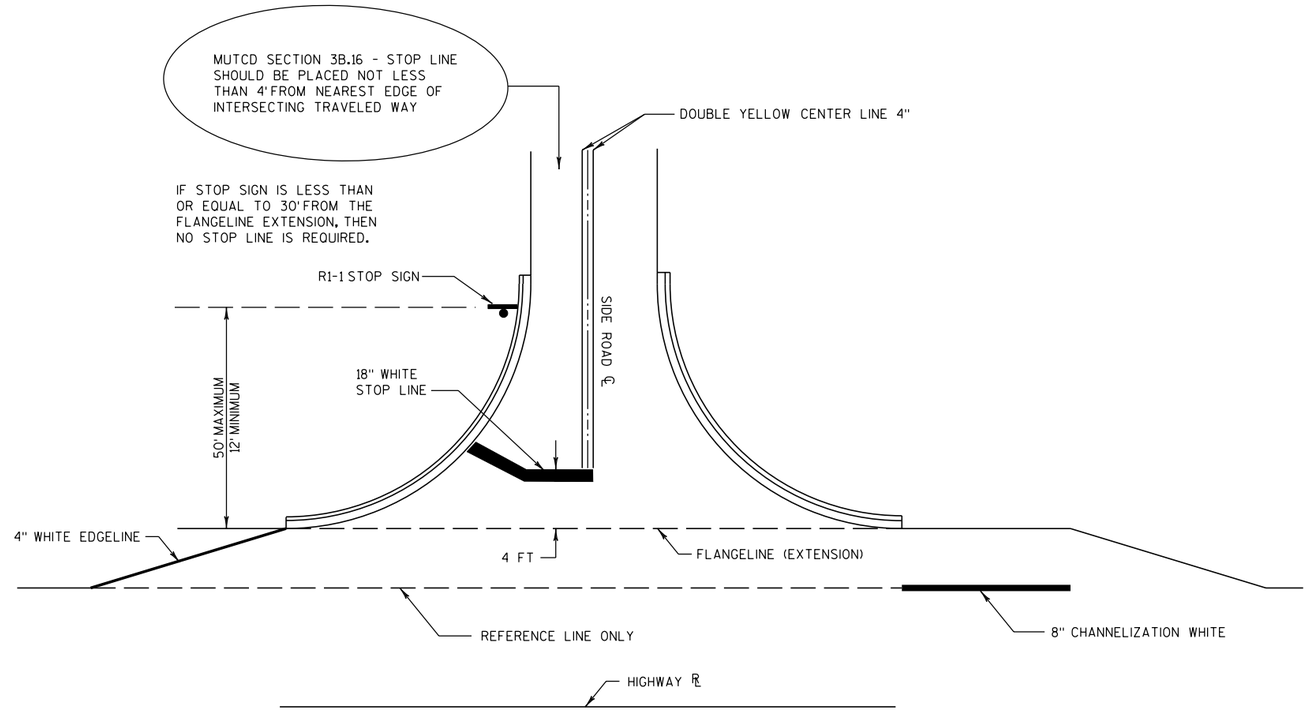
DRAIN TILE CONFIGURATION

(FOR FRONTAGE ROAD CROSSINGS)

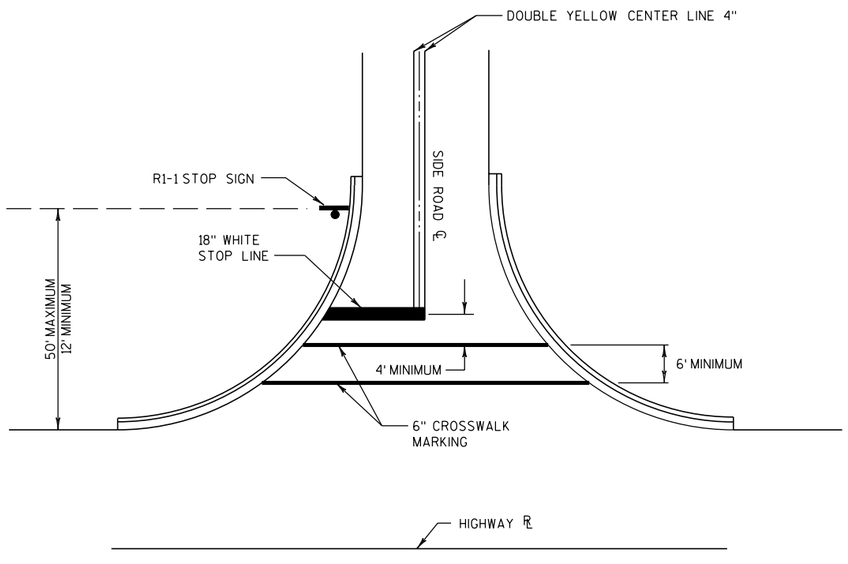
120814 (MOD)



TYPICAL PAVEMENT MARKING FOR SIDEROADS



TYPICAL PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING

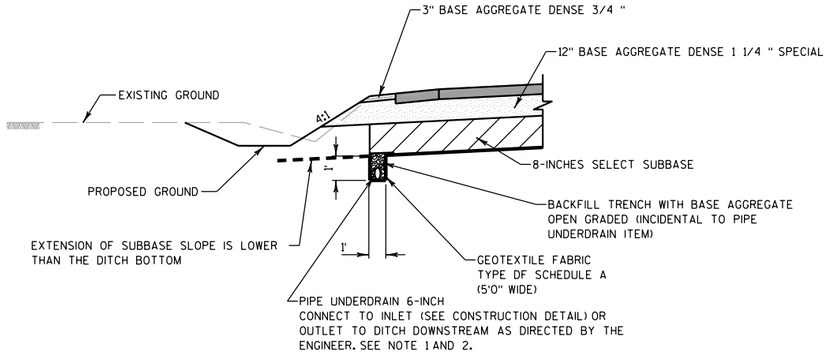
NOTES

1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE PROJECT ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. STOP LINES REQUIRED WHERE:
   - A. CROSSWALK MARKINGS EXIST OR ARE BEING PROVIDED
   - B. LARGE RADII
   - C. OFFSET LEFT TURNS WHERE STOP BAR FOR LEFT TURN IS SET BACK FROM THRU MOVEMENT

100818

PAVEMENT MARKING AT SIDEROADS

PROJECT NO: 1030-24-81	HWY: IH 94	COUNTY: RACINE	CONSTRUCTION DETAILS: ACCESS ROAD B	SHEET 15	E



PIPE UNDERDRAIN IN RURAL SECTIONS

SEE PLAN DETAILS FOR PIPE UNDERDRAIN LOCATIONS

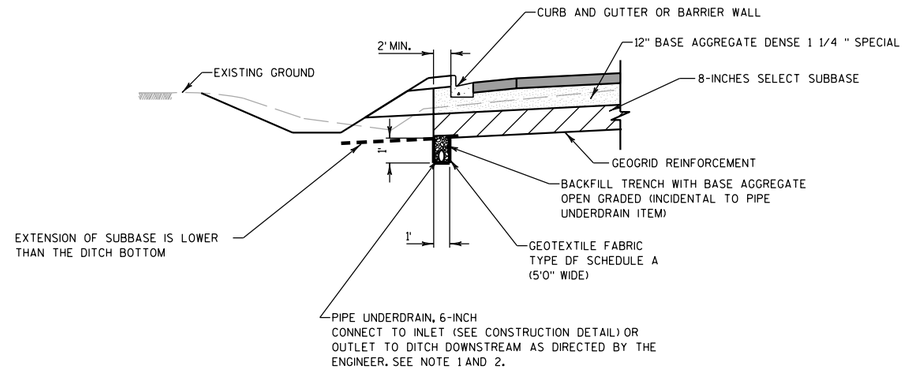
NOTES:

1. PIPE UNDERDRAIN UNPERFORATED REQUIRED AT LOCATIONS WHERE UNDERDRAIN IS REQUIRED TO CONNECT TO DITCHES OUTSIDE THE EBS AREA.

2. PIPE UNDERDRAIN UNPERFORATED REQUIRED AT LOCATIONS WHERE UNDERDRAIN IS REQUIRED TO OUTFALL IN DITCHES ON THE OPPOSITE SIDE OF THE ROAD (SEE UNDERDRAIN LATERAL CROSSING OUTLET DETAIL)

3. USE APRON ENDWALLS FOR UNDERDRAIN REINFORCED CONCRETE AT ALL DITCH OUTFALLS OF PIPE UNDERDRAIN.

4. ADJUST LATERAL LOCATION OF PIPE UNDERDRAIN AS NECESSARY TO AVOID CONFLICTS WITH THE STORM SEWER.



PIPE UNDERDRAIN IN URBAN SECTIONS

SEE PLAN DETAILS FOR PIPE UNDERDRAIN LOCATIONS

NOTES:

1. PIPE UNDERDRAIN UNPERFORATED REQUIRED AT LOCATIONS WHERE UNDERDRAIN IS REQUIRED TO CONNECT TO DITCHES OUTSIDE THE EBS AREA.

2. PIPE UNDERDRAIN UNPERFORATED REQUIRED AT LOCATIONS WHERE UNDERDRAIN IS REQUIRED TO OUTFALL IN DITCHES ON THE OPPOSITE SIDE OF THE ROAD (SEE UNDERDRAIN LATERAL CROSSING OUTLET DETAIL)

3. USE APRON ENDWALLS FOR UNDERDRAIN REINFORCED CONCRETE AT ALL DITCH OUTFALLS OF PIPE UNDERDRAIN.

4. ADJUST LATERAL LOCATION OF PIPE UNDERDRAIN AS NECESSARY TO AVOID CONFLICTS WITH THE STORM SEWER.

2

2

N

R/W

R/L SWALE 1

IH 94 SB

R/L SB OFF RAMP

IH 94 NB

R/L IH 94

REMOVE SMALL PIPE CULVERT (1-18" CPCM)

R/L NB ON RAMP

REMOVE SMALL PIPE CULVERT (1-18" CPCM)

R/L SWALE 2

REMOVE SMALL PIPE CULVERT (1-12" CPCM)

REMOVE MARKER

REMOVE SMALL PIPE CULVERT (1-24" CPCM)

SWALE #2

PROP R/W

ACCESS ROAD B

R/L ACCESS ROAD "B"

EXIST R/W

TLE

CAUTION

END PROJECT
I.D. 1030-24-81
STA 79B+80.00

BEGIN PROJECT
I.D. 1030-24-81
STA 74B+21.30

STH 11

R/L STH 11

SOO LINE RAILROAD CO.

58TH ROAD

R/L NB ON RAMP

IH 94 NB ON RAMP

IH 94 NB OFF RAMP

R/L NB OFF RAMP

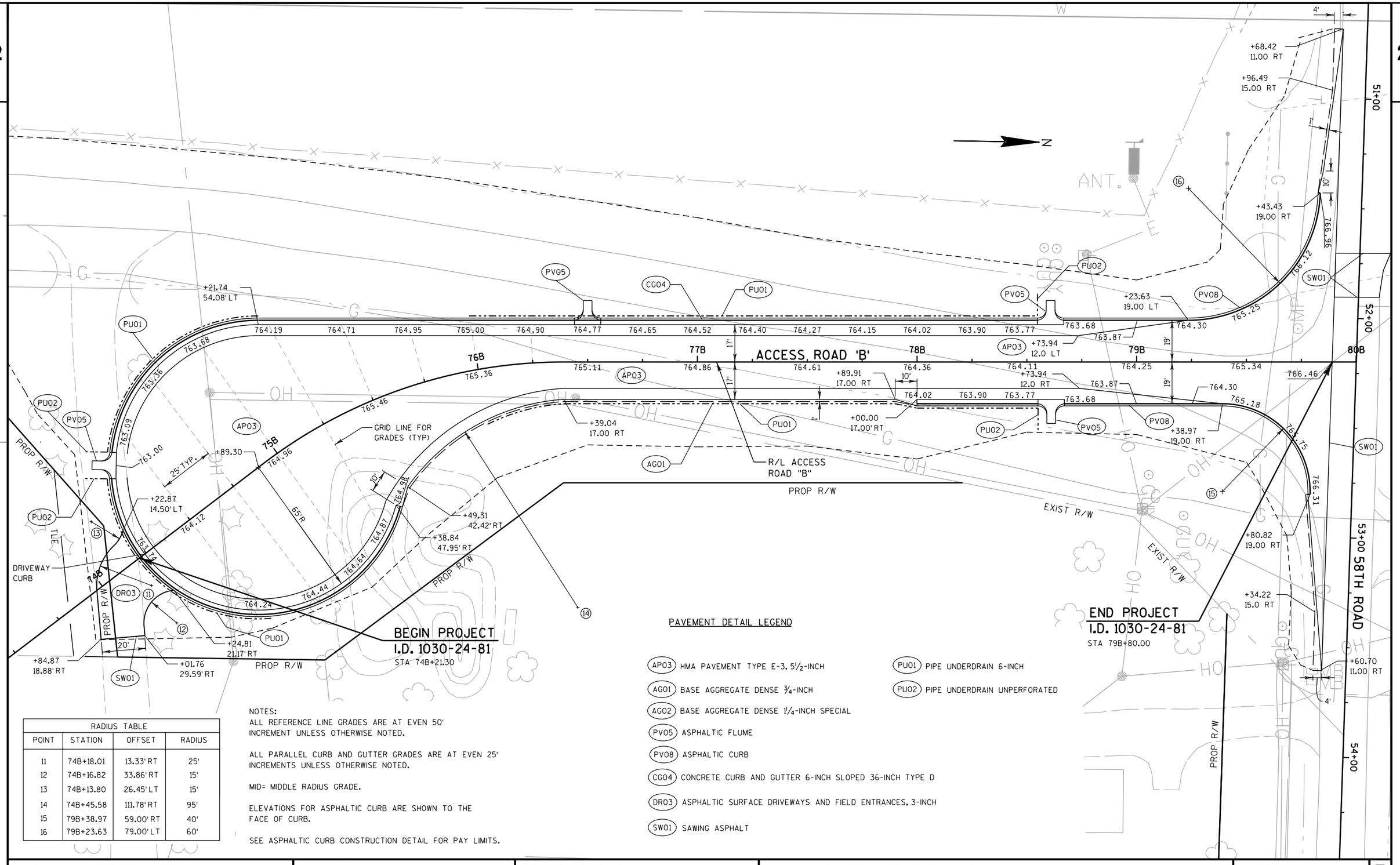
REMOVAL LEGEND

CLEARING AND GRUBBING (STA.)

—RM— REMOVING CULVERTS

SLOPE INTERCEPT

PROJECT NO: 1030-24-81	HWY: IH 94	COUNTY: RACINE	REMOVAL PLAN: ACCESS ROAD "B"	SHEET 17	E



RADIUS TABLE			
POINT	STATION	OFFSET	RADIUS
11	74B+18.01	13.33' RT	25'
12	74B+16.82	33.86' RT	15'
13	74B+13.80	26.45' LT	15'
14	74B+45.58	111.78' RT	95'
15	79B+38.97	59.00' RT	40'
16	79B+23.63	79.00' LT	60'

NOTES:
ALL REFERENCE LINE GRADES ARE AT EVEN 50' INCREMENT UNLESS OTHERWISE NOTED.

ALL PARALLEL CURB AND GUTTER GRADES ARE AT EVEN 25' INCREMENTS UNLESS OTHERWISE NOTED.

MID= MIDDLE RADIUS GRADE.

ELEVATIONS FOR ASPHALTIC CURB ARE SHOWN TO THE FACE OF CURB.

SEE ASPHALTIC CURB CONSTRUCTION DETAIL FOR PAY LIMITS.

PAVEMENT DETAIL LEGEND

- (APO3) HMA PAVEMENT TYPE E-3, 5½-INCH
- (AG01) BASE AGGREGATE DENSE ¾-INCH
- (AG02) BASE AGGREGATE DENSE 1¼-INCH SPECIAL
- (PV05) ASPHALTIC FLUME
- (PV08) ASPHALTIC CURB
- (CG04) CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
- (DR03) ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH
- (SW01) SAWING ASPHALT
- (PU01) PIPE UNDERDRAIN 6-INCH
- (PU02) PIPE UNDERDRAIN UNPERFORATED

PROJECT NO: 1030-24-81	HWY: IH 94	COUNTY: RACINE	PLAN DETAILS: ACCESS ROAD B	SHEET 18	E

2

N

PROP R/W

EXIST R/W

IH 94 SB

IH 94 NB

R/L SB OFF RAMP

R/L IH 94

R/L NB ON RAMP

ASPHALTIC FLUME

ASPHALTIC FLUME

R/L SWALE 2

ACCESS ROAD "B"

R/L ACCESS ROAD "B"

ASPHALTIC FLUME

TLE

PROP R/W

EXIST R/W

END PROJECT
I.D. 1030-24-81
STA 79B+80.00

BEGIN PROJECT
I.D. 1030-24-81
STA 74B+21.30

NOTE: USE SEED MIXTURE NO. 40 FOR RESTORATION ON THE TWO PROPERTIES EAST OF THE ACCESS ROAD.

STH 11

R/L STH 11

SOO LINE RAILROAD CO.

R/L NB ON RAMP

IH 94 NB ON RAMP

IH 94 NB OFF RAMP

R/L NB OFF RAMP

R/L 58TH ROAD

58TH ROAD

LEGEND

- EROSION MAT CLASS I, TYPE B
- SILT FENCE
- RIP RAP (LIGHT UNLESS NOTED)
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

PROJECT NO: 1030-24-81	HWY: IH 94	COUNTY: RACINE	EROSION CONTROL: ACCESS ROAD B	SHEET 19	E

FILE NAME : Z:\Racine\CADDS\13\13_AccessRoad\CDS\022006_EC.dgn PLOT DATE : 10/23/2012 PLOT BY : bjw PLOT NAME : PLOT SCALE : 1:100

NOTES:
- USE UNDISTRIBUTED BASE AGGREGATE DENSE, WITH THE APPROVAL OF THE ENGINEER, IN THE TEMPORARY TRUCK ACCESS AREA, AS NECESSARY.
- REMOVE ANY BASE AGGREGATE DENSE AND RESTORE ALL AREAS IMPACTED BY THE TRUCK ACCESS AND DITCHING WORK.
- RESTORATION OF THE TRUCK ACCESS AND ALL WORK SHOWN ON THIS SHEET IS PAID UNDER THE GRADING, SHAPING AND FINISHING DITCH ITEM.

N

WEST FRONTAGE ROAD

AVOID DAMAGE TO EXISTING PIPE

GRADE DITCH AT A MIN. 0.3% GRADE (FIELD VERIFY PIPE INVERT ELEVATIONS TO DETERMINE CONSTANT GRADING SLOPE. GRADE AT CONSTANT SLOPE FROM PIPE INVERT TO PIPE INVERT.)

TEMPORARY TRUCK ACCESS

TRACKING PAD FOR TRUCK/EQUIPMENT INGRESS/EGRESS (SEE DETAIL)

CLEANING CULVERT PIPE

SOO LINE RAILROAD CO.

EX. R/W

PROP R/W

TLE

SI

100'

STH 11

IH 94 SB

IH 94 NB

LEGEND

- EROSION MAT CLASS I, TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

PROJECT NO: 1030-24-81	HWY: IH 94	COUNTY: RACINE	EROSION CONTROL: ACCESS ROAD B	SHEET 20	E

FILE NAME : Z:\Racine\CADDS\13\13_AccessRoad\CDS\022007_EC.dgn | PLOT DATE : 10/23/2012 | PLOT BY : bjw | PLOT NAME : | PLOT SCALE : 1:100

2

2

N

IH-94 SB

IH-94 NB

R/L SB OFF RAMP

R/L IH 94

R/L NB ON RAMP

ESTR

ESTR

ACCESS ROAD "B"

R/L ACCESS ROAD "B"

DEAD END

REMOVE

1RO2

1RO1

STOP

REMOVE

1RO3

END PROJECT
I.D. 1030-24-81
STA 79B+80.00

BEGIN PROJECT
I.D. 1030-24-81
STA 74B+21.30

R/L STH 11

STH 11

SOO LINE RAILROAD CO.

58TH ROAD

R/L 58TH ROAD

754 756 758 760 762 764 766 768

132 134 136 138

48 50 52 54 56

74B 76B 78B 80B

SIGN W INL MP MB XH

LEGEND

EXISTING SIGN MOUNTED ON POST

XRXX DENOTES REMOVING SIGN NUMBER

NOTE: CONTRACTOR SHALL NOT REMOVE EXISTING SIGNING UNTIL THE ROADWAY IS READY FOR NEW SIGNING SO THERE IS NOT A LACK OF PROPER SIGNING WHEN THE ROAD IS OPEN TO TRAFFIC.

PROJECT NO: 1030-24-81	HWY: IH 94	COUNTY: RACINE	EXISTING SIGNING: ACCESS ROAD B	SHEET 21	E

2

2

N

IH-94 SB

IH-94 NB

R/L SB OFF RAMP

R/L IH 94

R/L NB ON RAMP

R/L ACCESS ROAD "B"

ACCESS ROAD "B"

DEAD END
W14-1
30" X 30"
1P01

STOP
R1-1
36" X 36"
1P07

W5-56
18" X 18"
1P04
1P05
1P06

R/L STH 11

STH 11

BEGIN PROJECT
I.D. 1030-24-81
STA 74B+21.30

END PROJECT
I.D. 1030-24-81
STA 79B+80.00

SOO LINE RAILROAD CO.

58TH ROAD

R/L 58TH ROAD

LEGEND

(XPXX) DENOTES PROPOSED SIGN NUMBER

PROPOSED SIGN MOUNTED ON POST(S)

PROJECT NO: 1030-24-81	HWY: IH 94	COUNTY: RACINE	PERMANENT SIGNING: ACCESS ROAD B	SHEET 22	E

FILE NAME : Z:\Racine\CADDS\13\13_AccessRoad\CDS\023213_PS.dgn PLOT DATE : 10/23/2012 PLOT BY : bjw PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

2

N

IH-94 SB

IH-94 NB

R/L ACCESS ROAD "B"

+39.00

76B

74B

+68.00

ACCESS ROAD "B"

78B

80B

17'

17'

1
DOUBLE

7

BEGIN PROJECT
I.D. 1030-24-81
STA 74B+21.30

END PROJECT
I.D. 1030-24-81
STA 79B+80.00

R/L 58TH ROAD

STH 11

SOO LINE RAILROAD CO.

58TH ROAD

48

50

52

54

56

LEGEND

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

(7) PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC STOPLINE EPOXY 18-INCH (WHITE)

PROJECT NO: 1030-24-81	HWY: IH 94	COUNTY: RACINE	PAVEMENT MARKING: ACCESS ROAD B	SHEET 23	E

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC

N

INSTALL TRAFFIC CONTROL DRUMS IN ACCORDING TO S.D.D. "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY.

INSTALL TRAFFIC CONTROL SIGNS AND BARRICADES ACCORDING TO S.D.D. "TRAFFIC CONTROL, VEHICLE ENTRANCE/EXIT OR HAUL ROAD".

GENERAL NOTES FOR CONSTRUCTION STAGING AND TRAFFIC CONTROL

1. ALL TRAFFIC CONTROL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED IN THE PLANS.
2. "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS REFLECTIVE ORANGE.
3. SIGN LOCATIONS ARE APPROXIMATE. THE ACTUAL LOCATION SPACING MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER TO MEET FIELD CONDITIONS.
4. ALL SIGNS, TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE COVERED OR REMOVED AS NEEDED AND/OR AS DIRECTED BY THE ENGINEER.
5. A FLAGGER MAY BE REQUIRED WHERE CONSTRUCTION VEHICLES ENTER OR LEAVE "WORK/CLOSED" AREAS IF WARRANTED BY CONDITIONS AND/OR AS DIRECTED BY THE ENGINEER.
6. ADEQUATE TURNING PROVISION SHALL BE MAINTAINED FOR ALL VEHICLES, INCLUDING TRUCKS AS DIRECTED BY THE ENGINEER.
7. BARRICADE STRIPES ARE TO BE SLOPED DOWNWARD IN THE DIRECTION OF TRAFFIC FLOW

2

BRAUN ROAD
WEST FRONTAGE RD.
IH 94
EAST FRONTAGE RD.
STH 11
58TH ROAD
56TH ROAD
GRANDVIEW PARKWAY
STH 20
LOUIS SORENSON ROAD
CTH H

ROAD WORK AHEAD W20-1
SHOULDER WORK W21-5
END ROAD WORK G20-2A 48" X 24"
ROAD CLOSED R11-2 48" X 30"
PARK AND RIDE

PLACE FOR NORTHBOUND ON RAMP TRAFFIC

BEGIN PROJECT
I.D. 1030-24-81
STA. 74B+21.30

END PROJECT
I.D. 1030-24-81
STA. 79B+80.00

ACCESS ROAD CONSTRUCTION - STAGE 1

CONSTRUCTION
- ALL ACCESS ROAD CONSTRUCTION

TRAFFIC
- ACCESS ROAD - OPEN TO LOCAL TRAFFIC ONLY
- 58TH ROAD OPEN TO TRAFFIC
- EAST FRONTAGE ROAD OPEN TO TRAFFIC
- WEST FRONTAGE ROAD OPEN TO TRAFFIC

PROJECT NO: 1030-24-81	HWY: IH 94	COUNTY: RACINE	TRAFFIC CONTROL: OVERVIEW - STAGE 1	SHEET 24	E

FILE NAME : Z:\Racine\CADDS\13\13_AccessRoad\CDS\026001_s2.dgn | PLOT DATE : 10/23/2012 | PLOT BY : bjw | PLOT NAME : | PLOT SCALE : 1:1000

Curve Data											
Curve No.	PI	PI Coordinates Y	X	Δ	D	T	L	E	R	PC	PT
200	36+70.73	175699.42	592745.84	13°30'34.92"	5°43'46.48"	118.44	235.79	7.00	1000.00	35+52.29	37+88.08
201	42+22.27	175569.04	593282.88	-27° 49' 08.92"	6° 51' 42.37"	206.79	405.42	25.22	835.00	40+15.48	44+20.90
202	47+56.48	175701.84	593808.74	15°13'36.77"	6°51'42.37"	111.61'	221.91	7.43	835.00	46+44.87	48+66.78
B1	75B+68.47	175256.40	594280.04	37° 19' 14.78"	25° 27' 53.25"	75.98	146.56	12.48	225.00	74B+92.49	76B+39.04

CONTROL POINTS (CP)

NO.	COORDINATES	DESCRIPTION	ELEVATION
CP75175	Y=174442.0610 X=591764.2640	STA. 111+05.38, 110.22' RT BERNSTEN FENO S ± S STH 11, WEST OF MOTEL	768.40
HMOD9003	Y=174975.3113 X=594430.3300	STA. 201+96.67 "SWALE", 175.23' RT K3 RESET	759.61
1	Y=178368.7260 X=594112.8730	STA. 790+97.51, 57.35 LT ¼ SECTION CORNER: NW ¼, SW ¼, SECTION 19, T3N, R22E	764.87
HMOD1	Y=170296.3600 X=593977.8000	DISK IN CONCRETE. HMOD POINT SW QUADRANT OF BRAUN RD/WFR	746.26

POINT SEC3104
Y=178368.73
X=594112.87

T3N 24 19 24 19 R21E R22E

2672.58'
N 0° 6' 25.43" W

SECTION LINE

R/L IH 94

R/L EXISTING WEST FRONTAGE ROAD

R/L WEST FRONTAGE ROAD

R/L EAST FRONTAGE ROAD

POINT SEC3117
Y=175696.15
X=594117.87

T3N 24 19 25 30 R21E R22E

58TH ROAD STA 50+00.00=
IH 94 STA 764+28.24
Y = 175697.33
X = 594053.54

END PROJECT
I.D. 1030-24-81
ACCESS ROAD 'B' STA 79B+80

ACCESS ROAD 'B' STA 80B+00=
58TH ROAD STA 52+19.80
Y = 175693.29
X = 594273.30

R/L SWALE 4

PI 200

PI 202

N 89° 51' 48.25" W SECTION LINE
2639.16'

S 88° 56' 45.47" E
1672.58'

CURVE 200
PC 200
PT 200

CURVE 201
PC 201
PI 201
PT 201

CURVE 202
PC 202
PT 202

R/L 58TH ROAD

R/L SWALE 1

R/L ACCESS ROAD 'B'

N 0°53'01" W

PT B1
PI B1
PC B1
CURVE B1
158
N 38°12'09" W
N 53°39'35.16" W
POB B1

BEGIN PROJECT
I.D. 1030-24-81
STA 74B+21.30
Y=175068.46
X=594427.96

R/L SWALE 3

R/L SWALE 2

CP HMOD 9003

WEST FRONTAGE RD STA. 4760+46.74 =
58TH RD. STA. 39+21.14
Y = 175640.09
X = 592990.25

END CONSTRUCTION
SWALE 2
STA 201+95.00
Y=175118.44
X=594329.18

N 0°05'27.33" W

BEGIN CONSTRUCTION
SWALE 2
STA 200+00.00
Y=175002.88
X=594172.10

R/L NB IH 94 ON RAMP

R/L STH 11

R/L SB IH 94 OFF RAMP

R/L NB IH 94 OFF RAMP

T3N 25 30 25 30 R21E R22E
Y=173044.02
X=594120.76

T3N 24 25 R21E

POINT SEC4787
Y=175702.44
X=591478.72

T3N 19 30 R22E

POINT SEC3106
Y=175650.19
X=596615.74

PROJECT NO: 1030-24-81	HWY: IH 94	COUNTY: RACINE	ALIGNMENT LAYOUT: ACCESS ROAD B	SHEET 25	E

DATE 19DEC12 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	1030-24-81 QUANTITY
0010	201.0105	CLEARING **P**	STA	4.000	4.000
0020	201.0120	CLEARING	ID	30.000	30.000
0030	201.0205	GRUBBING **P**	STA	4.000	4.000
0040	201.0220	GRUBBING	ID	30.000	30.000
0050	203.0100	REMOVING SMALL PIPE CULVERTS	EACH	4.000	4.000
0060	204.0110	REMOVING ASPHALTIC SURFACE **P**	SY	50.000	50.000
0070	204.0180	REMOVING DELINEATORS AND MARKERS	EACH	1.000	1.000
0080	205.0100	EXCAVATION COMMON	CY	5,181.000	5,181.000
0090	208.1100	SELECT BORROW	CY	1,109.000	1,109.000
0100	213.0100	FINISHING ROADWAY (PROJECT) 076. 1030-24-81	EACH	1.000	1.000
0110	305.0110	BASE AGGREGATE DENSE 3/4-INCH	TON	148.000	148.000
0120	311.0110	BREAKER RUN	TON	170.000	170.000
0130	455.0105	ASPHALTIC MATERIAL PG58-28	TON	69.000	69.000
0140	455.0605	TACK COAT	GAL	75.000	75.000
0150	460.1103	HMA PAVEMENT TYPE E-3	TON	1,120.000	1,120.000
0160	460.2000	INCENTIVE DENSITY HMA PAVEMENT	DOL	725.000	725.000
0170	465.0120	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	TON	21.000	21.000
0180	465.0310	ASPHALTIC CURB	LF	290.000	290.000
0190	465.0315	ASPHALTIC FLUMES **P**	SY	36.000	36.000
0200	520.0124	CULVERT PIPE CLASS III 24-INCH	LF	72.000	72.000
0210	520.1024	APRON ENDWALLS FOR CULVERT PIPE 24-INCH	EACH	2.000	2.000
0220	520.7000	CLEANING CULVERT PIPES	EACH	1.000	1.000
0230	522.0318	CULVERT PIPE REINFORCED CONCRETE CLASS IV 18-INCH	LF	72.000	72.000
0240	522.1018	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH	EACH	2.000	2.000
0250	601.0557	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D **P**	LF	688.000	688.000
0260	606.0100	RIPRAP LIGHT	CY	15.000	15.000
0270	608.0512	STORM SEWER PIPE REINFORCED CONCRETE CLASS V 12-INCH	LF	50.000	50.000
0280	611.0535	MANHOLE COVERS TYPE J-SPECIAL	EACH	2.000	2.000
0290	612.0106	PIPE UNDERDRAIN 6-INCH	LF	730.000	730.000
0300	612.0206	PIPE UNDERDRAIN UNPERFORATED 6-INCH	LF	50.000	50.000
0310	612.0208	PIPE UNDERDRAIN UNPERFORATED 8-INCH	LF	10.000	10.000
0320	612.0210	PIPE UNDERDRAIN UNPERFORATED 10-INCH	LF	10.000	10.000
0330	612.0212	PIPE UNDERDRAIN UNPERFORATED 12-INCH	LF	10.000	10.000
0340	612.0700	DRAIN TILE EXPLORATION	LF	50.000	50.000
0350	612.0806	APRON ENDWALLS FOR UNDERDRAIN REINFORCED CONCRETE 6-INCH	EACH	4.000	4.000
0360	618.0100	MAINTENANCE AND REPAIR OF HAUL ROADS (PROJECT) 040. 1030-24-81	EACH	1.000	1.000
0370	619.1000	MOBILIZATION	EACH	1.000	1.000
0380	621.0100	LANDMARK REFERENCE MONUMENTS	EACH	1.000	1.000
0390	623.0200	DUST CONTROL SURFACE TREATMENT	SY	7,100.000	7,100.000
0400	624.0100	WATER	MGAL	80.000	80.000
0410	625.0500	SALVAGED TOPSOIL **P**	SY	8,400.000	8,400.000
0420	627.0200	MULCHING **P**	SY	6,405.000	6,405.000
0430	628.1104	EROSION BALES	EACH	70.000	70.000
0440	628.1504	SILT FENCE	LF	680.000	680.000
0450	628.1520	SILT FENCE MAINTENANCE	LF	680.000	680.000
0460	628.1905	MOBILIZATIONS EROSION CONTROL	EACH	2.000	2.000
0470	628.1910	MOBILIZATIONS EMERGENCY EROSION CONTROL	EACH	2.000	2.000

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DATE 19DEC12 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	1030-24-81 QUANTITY
0480	628.2004	EROSION MAT CLASS I TYPE B	SY	2,970.000	2,970.000
0490	628.7504	TEMPORARY DITCH CHECKS	LF	168.000	168.000
0500	628.7555	CULVERT PIPE CHECKS	EACH	50.000	50.000
0510	628.7560	TRACKING PADS	EACH	2.000	2.000
0520	628.7570	ROCK BAGS	EACH	5.000	5.000
0530	629.0210	FERTILIZER TYPE B	CWT	6.000	6.000
0540	630.0120	SEEDING MIXTURE NO. 20	LB	180.000	180.000
0550	630.0140	SEEDING MIXTURE NO. 40	LB	40.000	40.000
0560	630.0200	SEEDING TEMPORARY	LB	180.000	180.000
0570	633.5200	MARKERS CULVERT END	EACH	4.000	4.000
0580	634.0612	POSTS WOOD 4X6-INCH X 12-FT	EACH	3.000	3.000
0590	634.0614	POSTS WOOD 4X6-INCH X 14-FT	EACH	1.000	1.000
0600	634.0616	POSTS WOOD 4X6-INCH X 16-FT	EACH	1.000	1.000
0610	637.0202	SIGNS REFLECTIVE TYPE II	SF	20.460	20.460
0620	638.2602	REMOVING SIGNS TYPE II	EACH	3.000	3.000
0630	638.3000	REMOVING SMALL SIGN SUPPORTS	EACH	3.000	3.000
0640	642.5201	FIELD OFFICE TYPE C	EACH	1.000	1.000
0650	643.0100	TRAFFIC CONTROL (PROJECT) 081. 1030-24-81	EACH	1.000	1.000
0660	643.0300	TRAFFIC CONTROL DRUMS	DAY	465.000	465.000
0670	643.0420	TRAFFIC CONTROL BARRICADES TYPE III	DAY	93.000	93.000
0680	643.0705	TRAFFIC CONTROL WARNING LIGHTS TYPE A	DAY	62.000	62.000
0690	643.0900	TRAFFIC CONTROL SIGNS	DAY	558.000	558.000
0700	643.1050	TRAFFIC CONTROL SIGNS PCMS	DAY	62.000	62.000
0710	645.0111	GEOTEXTILE FABRIC TYPE DF SCHEDULE A **p**	SY	400.000	400.000
0720	645.0130	GEOTEXTILE FABRIC TYPE R **P**	SY	45.000	45.000
0730	646.0106	PAVEMENT MARKING EPOXY 4-INCH	LF	660.000	660.000
0740	646.0805.S	PAVEMENT MARKING OUTFALL	EACH	4.000	4.000
0750	690.0150	SAWING ASPHALT	LF	366.000	366.000
0760	SPV.0060	SPECIAL 009. EROSION CONTROL FILTER BAGS	EACH	5.000	5.000
0770	SPV.0060	SPECIAL 031. SILT FENCE DRAINAGE OUTLET ROCK BAGS	EACH	2.000	2.000
0780	SPV.0090	SPECIAL 080. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC STOP LINE 18-INCH	LF	30.000	30.000
0790	SPV.0105	SPECIAL 089. SURVEY PROJECT 1030-24-81	LS	1.000	1.000
0800	SPV.0105	SPECIAL 090. PAVEMENT CLEANUP PROJECT 1030-24-81	LS	1.000	1.000
0810	SPV.0105	SPECIAL 098. GRADING, SHAPING, AND FINISHING DITCH	LS	1.000	1.000
0820	SPV.0170	SPECIAL 001. TEST ROLLING	STA	7.000	7.000
0830	SPV.0180	SPECIAL 001. GEOGRID REINFORCEMENT	SY	3,976.000	3,976.000
0840	SPV.0180	SPECIAL 002. GEOTEXTILE FABRIC TYPE FF	SY	100.000	100.000
0850	SPV.0195	SPECIAL 002. BASE AGGREGATE DENSE 1 1/4-INCH SPECIAL	TON	3,740.000	3,740.000
0860	SPV.0195	SPECIAL 006. SELECT SUBBASE	TON	1,855.000	1,855.000
0870	SPV.0200	SPECIAL 001. MANHOLES 4-FT DIAMETER SPECIAL	VF	10.000	10.000

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CLEARING AND GRUBBING

CATEGORY	ROADWAY	STA	TO	STA	OFFSET	201.0105 CLEARING STA.	201.0120 CLEARING I.D.	201.0205 GRUBBING STA.	201.0220 GRUBBING I.D.
1000	ACCESS ROAD "B"								
		74B+00	-	75B+00	LT & RT	1	--	1	--
	RAILROAD DITCHING								
	(STH 11 STATIONING)	126+00	-	128+00	LT	2	--	2	--
		128+00	-	129+00	LT	--	30	--	30
		129+00	-	130+00	LT	1	--	1	--
		TOTALS (I.D. 1030-24-81)				4	30	4	30

REMOVING DELINEATORS AND MARKERS

CATEGORY	ROADWAY	STATION	LOC	204.0180 REMOVING DELINEATORS AND MARKERS EACH	DESCRIPTION
1000	ACCESS RD B				
		79B+73	15' LT	1	WOOD POST
	TOTAL (I.D. 1030-24-81)			1	

3

REMOVING SMALL PIPE CULVERTS

CATEGORY	ROADWAY	STATION	LOCATION	SIZE	LENGTH	203.0100 EACH
1000	ACCESS ROAD "B"					
		74+50	LT	18" CPCM	55'	1
		74+82	LT	12" CPCM	34'	1
		79+50	LT	18" CPCM	58'	1
	58TH ROAD					
		51+80	RT & LT	24" CPCM	62'	1
	TOTAL (I.D. 1030-24-81)					4

REMOVING ASPHALTIC SURFACE

CATEGORY	ROADWAY	STA	TO	STA	LOCATION	204.0110 REMOVING ASPHALTIC SURFACE SY	COMMENTS
1000	58TH ROAD	51+70	-	51+90	LT & RT	50	CROSS CULVERT REPLACEMENT
	TOTAL (I.D. 1030-24-81)					50	

3

EARTHWORK

CATEGORY	ROADWAY	FROM / TO STATION	205.0100 EXCAVATION COMMON (1) CY		SALVAGED / UNUSABLE PAVEMENT MATERIAL (3)	AVAILABLE MATERIAL (4)	EXPANDED EBS BACKFILL (7)	208.1100 SELECT BORROW CY	UNEXPANDED FILL (8)	EXPANDED FILL (9)	MASS ORDINATE +/- (10)	WASTE (11)
			CUT	EBS EXCAVATION (2)			Factor			FACTOR		
1000							1.30			1.20		
	ACCESS ROAD B	74B+21.30 to 80B+00	3,984	797	110	4,671	1,036	1,036	413	495	4,175	4,175
	58TH ROAD	200+00 TO 201+95	283	57	0	340	74	74	49	59	281	281
	SWALE 2	200+00 to 201+67	61	0	11	50	0	0	0	0	50	50
	GRAND TOTALS (I.D. 1030-24-81)		4,328	853	121	5,060	1,109	1,109	462	554	4,506	4,506
		TOTAL EXCAVATION COMMON		5,181								

1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100

2) EBS TO BE BACKFILLED WITH SELECT BORROW. EBS TO BE HAULED OFF-SITE.

3) EXISTING PAVEMENT VOLUME (CY), NOT AVAILABLE FOR FILL.

4) AVAILABLE MATERIAL = CUT + EBS EXCAVATION - SALVAGED/UNUSABLE PAVEMENT MATERIAL.

5) EXPANDED EBS BACKFILL; THIS IS TO BE FILLED WITH SELECT BORROW MATERIAL. EBS BACKFILL FACTOR = 1.3 ITEM NUMBER 208.1100

6) UNEXPANDED FILL; FILL FROM END AREA EARTHWORK VOLUMES

7) EXPANDED FILL FACTOR = 1.20 (EXPANDED FILL DOES NOT CONTAIN EBS)

8) MASS ORDINATE = AVAILABLE MATERIAL - EXPANDED FILL. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL . MINUS INDICATES A SHORTAGE OF MATERIAL.

9) WASTE = MASS ORDINATE IF POSITIVE (FOR INFORMATION ONLY - BORROW = MASS ORDINATE IF NEGATIVE)

DRIVEWAY ITEMS

CATEGORY	ROADWAY	STA	LOCATION	*305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	465.0120 ASPHALTIC SURFACE DRIVEWAY AND FIELD ENTRANCES TON
1000	ACCCESS ROAD 'B'				
		74+24	RT	28	21
		TOTALS (I.D. 1030-24-81)		28	21

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

BASE AGGREGATE ITEMS

CATEGORY	ROADWAY	STA	TO	STA	LOCATION	*305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	SPV.0195.002 BASE AGGREGATE DENSE 1 1/4-INCH SPECIAL TON	SPV.0195.006 SELECT SUBBASE TON	SPV.0180.001 GEOGRID REINFORCEMENT SY
1000	ACCCESS ROAD 'B'								
		74+21	-	79+80	LT & RT	90	3,080	1,855	3,976
	58TH ROAD								
		51+70	-	51+90	LT & RT	10	50	--	--
	RAILROAD DITCHING ACCESS								
	UNDISTRIBUTED					--	200	--	--
	UNDISTRIBUTED TEMPORARY DRIVEWAY ACCESS						160	--	--
	UNDISTRIBUTED					20	250	--	--
		TOTALS (I.D. 1030-24-81)				120	3,740	1,855	3,976

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

BREAKER RUN

CATEGORY	LOCATION	311.0110 TONS
1000	UNDISTRIBUTED	170
	TOTALS (I.D. 1030-24-81)	170

FINISHING ROADWAY

CATEGORY	STAGE		213.0100.076 EACH
1000	ALL	PROJECT	1
	TOTAL (I.D. 1030-24-81)		1

PIPE UNDERDRAIN ITEMS

CATEGORY	ROADWAY	STATION	-	STATION	OFFSET	612.0106 PIPE UNDERDRAIN 6-INCH LF	*612.0206 PIPE UNDERDRAIN UNPERFORATED 6-INCH LF	612.0806 APRON ENDWALLS FOR UNDERDRAIN REINFORCED CONCRETE 6-INCH EACH	645.0111 GEOTEXTILE FABRIC TYPE DF SY	646.0805.S PAVEMENT MARKING OUTFALL EACH
1000	ACCESS ROAD "B"									
		74+20	-	74+50	LT & RT	110	--	--	60	--
		74+31			LT	--	10	1	--	1
		74+38			LT	--	10	1	--	1
		74+38	-	75+25	LT	110	--	--	60	--
		76+00	-	78+55	RT	255	--	--	140	--
		76+00	-	78+55	LT	255	--	--	140	--
		78+55			RT	--	10	1	--	1
		78+55			LT	--	10	1	--	1
		TOTALS				730	40	4	400	4

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

ASPHALTIC PAVEMENT ITEMS

CATEGORY	ROADWAY	STA	TO	STA	LOCATION	455.0105 ASPHALTIC MATERIAL PG58-28 TON	455.0605 TACK COAT GAL	460.1103 HMA PAVEMENT TYPE E-3 TON	460.2000 INCENTIVE DENSITY HMA PAVEMENT DOL	465.0310 ASPHALTIC CURB LF
1000	ACCCESS ROAD 'B'									
		74B+21	-	79B+80	LT & RT	67	73	1,102	713	290
	58TH ROAD									
		51+70	-	51+90	LT & RT	2	2	18	12	--
		TOTALS (I.D. 1030-24-81)				69	75	1,120	725	290

3

ASPHALTIC FLUMES

CATEGORY	ROADWAY	STA.	LOCATION	465.0315 ASPHALTIC FLUMES SY
1000	ACCESS ROAD "B"			
		74+36	LT	9
		76+50	LT	9
		78+55	LT	9
		78+55	RT	9
		TOTAL (I.D. 1030-24-81)		36

DRAIN TILE

CATEGORY	ROADWAY	608.0512 STORM SEWER PIPE REINFORCED CONCRETE CLASS V 12-INCH LF	SPV.0200.001 MANHOLES 4 FT DIAMETER SPECIAL VF	611.0535 MANHOLE COVERS TYPE J-SPECIAL EACH	*612.0206 PIPE UNDERDRAIN UNPERFORATED 6-INCH LF	612.0208 PIPE UNDERDRAIN UNPERFORATED 8-INCH LF	612.0210 PIPE UNDERDRAIN UNPERFORATED 10-INCH LF	612.0212 PIPE UNDERDRAIN UNPERFORATED 12-INCH LF	612.0700 DRAIN TILE EXPLORATION LF
1000	ACCESS ROAD "B"	50	10	2	10	10	10	10	50
	TOTALS (I.D. 1030-24-81)	50	10	2	10	10	10	10	50

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

CONCRETE ITEMS

CATEGORY	ROADWAY	STA	TO	STA	LOCATION	601.0557 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D LF
1000	ACCESS ROAD 'B'					
		74+21	-	78+55	LT	487
		74+21	-	75+20	RT	146
		78+00	-	78+55	RT	55
		TOTALS (I.D. 1030-24-81)				688

EROSION CONTROL ITEMS

CATEGORY	ROADWAY	606.0100 RIPRAP LIGHT CY	*628.1104 EROSION BALES EACH	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.1905 MOBILIZATION EROSION CONTROL EACH	628.1910 MOBILIZATION EMERGENCY EROSION CONTROL EACH	628.2004 EROSION MAT CLASS I TYPE B SY	628.7504 TEMPORARY DITCH CHECK LF	628.7555 CULVERT PIPE CHECKS EACH	628.7570 ROCK BAGS EACH	645.0130 GEOTEXTILE FABRIC TYPE R SY	SPV.0060.009 EROSION CONTROL FILTER BAGS EACH	SPV.0060.031 SILT FENCE DRAINAGE OUTLET ROCK BAGS EACH
1000	ACCESS ROAD "B"	12	–	136	136	–	–	1,430	88	20	–	36	–	–
	SWALE NO. 2	–	–	–	–	–	–	215	18	10	–	–	–	–
	RAILROAD DITCH	–	–	500	500	–	–	725	36	10	–	–	–	–
	UNDISTRIBUTED	3	5	44	44	2	2	600	27	10	5	9	5	2
	TOTALS (I.D. 1030-24-81)	15	5	680	680	2	2	2,970	168	50	5	45	5	2

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

CROSS CULVERT ITEMS

CAT	ROADWAY	STATION	INLET END OFFSET	INLET END ELEV	INLET END STATION	DISCHARGE END OFFSET	DISCHARGE END ELEV	DISCHARGE END STATION	SLOPE	520.0124 CULVERT PIPE CLASS III 24-INCH LF	522.0318 CULVERT PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	520.1024 APRON ENDWALLS FOR CULVERT PIPE 24-INCH EACH	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EACH	633.5200 MARKERS CULVERT END EACH
1000	ACCESS ROAD B													
		76B+00	33.5' RT	761.71	76B+00	37.5 LT	761.53	76B+00	0.25%	–	72	–	2	2
	58TH ROAD													
		51+75	24.00' LT	762.34	51+75	47.5' RT	761.76	51+75	0.81%	72	–	2	–	2
	TOTALS (I.D. 1030-24-81)									72	72	2	2	4

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. PIPE JOINTS SHALL BE TIED FOR THE LAST THREE JOINTS AT PIPE ENDS. THE COST OF THE JOINT TIES SHALL BE INCIDENTAL TO THE COST OF THE PIPE.
3) GRANULAR BACKFILL IS INCIDENTAL TO THE COST OF THE PIPE
4) PIPE LENGTH IS FROM END OF PIPE TO END OF PIPE AND DOES NOT INCLUDE LENGTH OF APRON ENDWALL.

CLEANING CULVERT PIPES

CATEOGRY	ROADWAY	LOCATION	520.7000 EACH
1000	ACCESS ROAD "B"	IH 94 STA 757+15	1
	TOTALS (I.D. 1030-24-81)		1

MAINTENANCE AND REPAIR OF HAUL ROADS (1030-24-81)

CATEGORY	STAGE		618.0100.040 EACH
1000	ALL		
		ACCESS ROAD "B"	1
	TOTAL (I.D. 1030-24-81)		1

MOBILIZATION

CATEGORY	STAGE		619.1000 EACH
1000	ALL	ACCESS ROAD "B"	1
	TOTAL (I.D. 1030-24-81)		1

GRADING, SHAPING, AND FINISHING DITCH

CATEGORY	ROADWAY	EXCAVATION COMMON* CY	SALVAGED TOPSOIL* SY	FERTILIZER TYPE B* CWT	SEEDING MIX NO. 20* LB	SEEDING TEMPORARY* LB	SPV.0105.098 LS
1000	RAILROAD DITCHING	250	2,650	5	195	195	1
	TOTALS (I.D. 1030-24-81)	250	2,650	5	195	195	1

* ITEMS & QUANTITIES LISTED FOR BID INFORMATION ONLY

NOTE: ITEMS INCLUDE RESTORATION OF THE TRUCK ACCESS AND TRACKING PAD AREA

LANDMARK REFERENCE MONUMENTS

CATEGORY	ROADWAY	STA.	DESCRIPTION	621.0100 EACH
1000	ACCESS ROAD "B"			
		75B+68.47	PI	1
	TOTALS (I.D. 1030-24-81)			1

DUST CONTROL SURFACE TREATMENT

CATEGORY	ROADWAY	623.0200 SY
1000	ACCESS ROAD "B"	7,100
	TOTAL (I.D. 1030-24-81)	7,100

WATER

CATEGORY	ROADWAY	624.0100 WATER MGAL
1000	ACCESS ROAD "B"	80
	TOTAL (I.D. 1030-24-81)	80

RESTORATION ITEMS

CATEGORY	ROADWAY	625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	629.0210 FERTILIZER TYPE B CWT	630.0120 SEEDING MIX NO. 20 LB	630.0140 SEEDING MIX NO. 40 LB	630.0200 SEEDING TEMPORARY LB
1000	ACCESS ROAD "B"	6,700	4,705	4	143	30	143
	UNDISTRIBUTED	1,700	1,700	2	37	10	37
	TOTALS (I.D. 1030-24-81)	8,400	6,405	6	180	40	180

3

TEMPORARY SETTLING BASIN

CATEGORY	ROADWAY	*628.1104 EROSION BALES EACH	SPV.0180.002 GEOTEXTILE FABRIC TYPE FF SY
1000	ACCESS ROAD "B" UNDISTRIBUTED	65	100
	TOTALS (I.D. 1030-24-81)	65	100

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRACKING PADS

CATEGORY	ROADWAY	LOCATION	628.7560 TRACKING PADS EACH
1000	RAILROAD DITCH	WFR TEMP ACCESS	1
	UNDISTRIBUTED	ACCESS ROAD	1
	TOTALS (I.D. 1030-24-81)		2

3

PERMANENT SIGNING SUMMARY

CATEGORY	SIGN NO.	CODE NO.	SIGN MESSAGE	SIZE INCH x INCH	637.0202 SIGNS REFLECTIVE TYPE II SF	STATION	LOCATION	SAME POST AS SIGN NO.	634.0612 POSTS WOOD 4x6-INCH x 12-FT EACH	634.0614 POSTS WOOD 4x6-INCH x 14-FT EACH	634.0616 POSTS WOOD 4x6-INCH x 16-FT EACH
1000	1P01	W14-1(2)	DEAD END	30 x 30	6.25	79B+00	LT	--	--	1	--
	1P04	W5-56 (2)	END OF ROAD MARKER	18 x 18	2.25	74B+54	LT	--	1	--	--
	1P05	W5-56 (2)	END OF ROAD MARKER	18 x 18	2.25	74B+67	LT	--	1	--	--
	1P06	W5-56 (2)	END OF ROAD MARKER	18 x 18	2.25	74B+80	LT	--	1	--	--
	1P07	R1-1(3)	STOP	36 x 36	7.46	79B+65	RT	--	--	--	1
	TOTALS (I.D. 1030-24-81)				20.46				3	1	1

REMOVING SIGNS

CATEGORY	ROADWAY	SIGN NO.	STATION	LOCATION	SAME POST AS SIGN NO.	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	SIGN MESSAGE
1000	ACCESS ROAD "B"	1R01	79B+46	LT	--	1	1	DEAD END
		1R02	79B+46	RT	--	1	1	DEAD END
		1R03	79B+60	RT	--	1	1	STOP
		TOTALS	(I.D. 1030-24-81)			3	3	

FIELD OFFICE TYPE C

CATEGORY	ROADWAY	642.5201 FIELD OFFICE TYPE C EACH
1000	ACCESS ROAD "B"	1
	TOTAL (I.D. 1030-24-81)	1

TRAFFIC CONTROL

CATEGORY	ROADWAY	643.0100.081 TRAFFIC CONTROL 1030-24-81 EACH
1000	ACCESS ROAD "B"	1
	TOTALS (I.D. 1030-24-81)	1

TRAFFIC CONTROL ITEMS

CATEGORY	LOCATION	STAGE	STAGE DURATION DAYS	643.0300 DRUMS NO.	643.0300 DRUMS DAYS	643.0420 BARRICADES TYPE III NO.	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A NO.	643.0705 WARNING LIGHTS TYPE A DAYS	643.0900 SIGNS NO.	643.0900 SIGNS DAYS	643.1050 TRAFFIC CONTROL SIGNS PCMS NO.	643.1050 TRAFFIC CONTROL SIGNS PCMS DAYS
1000	ACCESS ROAD "B"	1	31	15	465	3	93	2	62	18	558	2	62
	TOTALS (I.D. 1030-24-81)				465		93		62		558		62

PAVEMENT MARKING

CATEGORY	ROADWAY	DESCRIPTION	STATION	646.0106 PAVEMENT MARKING EPOXY 4-INCH YELLOW LF	SPV.0090.080 PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC STOP LINE LF
1000	ACCESS ROAD 'B'				
		STOP LINE	79B+68	--	30
		CENTER LINE (DOUBLE)	76B+39 - 79B+68	660	--
		TOTALS (I.D. 1030-24-81)		660	30

SAW CUTTING ITEMS

CATEGORY	ROADWAY	STA	LOCATION	690.0150 SAWING ASPHALT LF	DESCRIPTION
1000	ACCESS ROAD "B"				
		79+90		300	58TH ROAD SHOULDER
		74+24	RT	20	DRIVEWAY
	58TH ROAD				
		58+70	RT & LT	25	CULVERT REPLACEMENT
		58+90	RT & LT	21	CULVERT REPLACEMENT
		TOTALS (I.D. 1030-24-81)		366	

SURVEY PROJECT

CATEGORY	ROADWAY	SPV.0105.089 SURVEY PROJECT 1030-24-81 LS
1000	ACCESS ROAD "B"	1
	TOTAL (I.D. 1030-24-81)	1

PAVEMENT CLEANUP PROJECT 1030-24-81

CATEGORY	ROADWAY	SPV.0105.090 LS
1000	ACCESS ROAD "B"	1
	TOTAL (I.D. 1030-24-81)	1

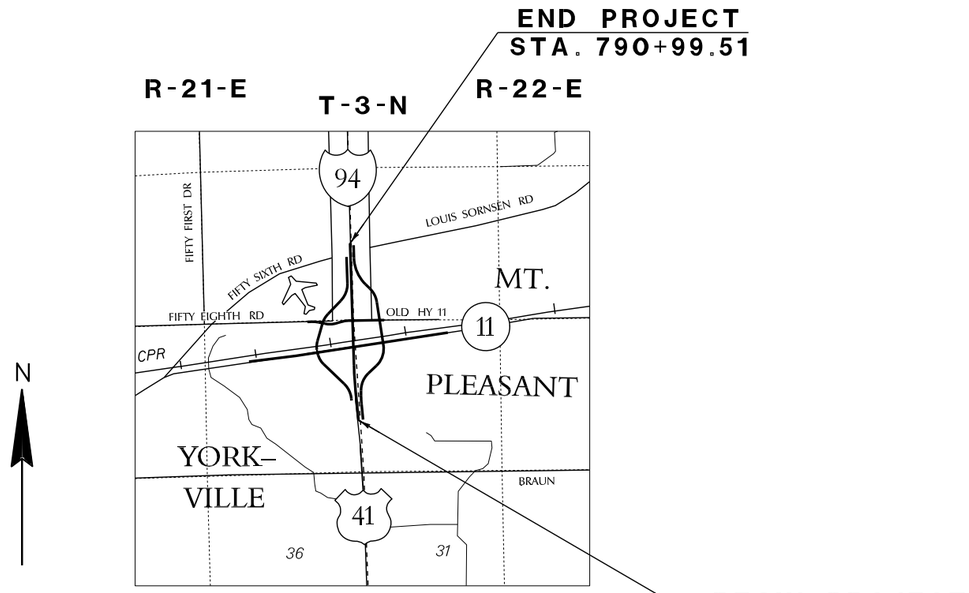
TEST ROLLING

CATEGORY	ROADWAY	SPV.0170.001 TEST ROLLING STA
1000	ACCESS ROAD "B"	7
	TOTAL (I.D. 1030-24-81)	7

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

TRANSPORTATION PROJECT PLAT TITLE SHEET

PROJECT NO. 1030-24-20
INTERSTATE 94
STH 11 INTERCHANGE
RACINE COUNTY



N

YORKVILLE R-21-E **MT. PLEASANT R-22-E**

RACINE COUNTY

LAYOUT

SCALE 0 1 MILE

THE NOTES, CONVENTIONAL SYMBOLS, AND VARIOUS ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT OF PROJECT 1030-24-20.

NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, RACINE COUNTY ZONE, NAD83 (97) ADJUSTMENT AND ARE REFERENCED TO GPS HARN POINTS YORKVILLE EAST, RAYMOND SOUTH, AND PARIS EAST. ALL DISTANCES ARE GROUND LENGTH.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL ¾" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT, BY SE REGION DOT SURVEY.

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

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY 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 NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE. ALL TLEs EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE. BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHT TO MAKE OR CONSTRUCT IMPROVEMENT ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

CONVENTIONAL ABBREVIATIONS

ACCESS POINT	AP	RELEASE OF RIGHTS	ROR
ACCESS RIGHTS	AR	REMAINING	REM.
ACRES	AC.	RIGHT-OF-WAY	R/W
AND OTHERS	ET.AL.	SECTION	SEC.
CENTERLINE	C/L	STATION	STA.
CERTIFIED SURVEY MAP	CSM	TEMPORARY LIMITED EASEMENT	TLE
CORNER	COR.	VOLUME	V.
CONVEYANCE OF RIGHTS	CR		
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
REFERENCE LINE	R/L		

CONVENTIONAL SYMBOLS

FOUND IRON PIPE/PIN	⌀ (1" UNLESS NOTED)	PROPOSED R/W LINE	
		EXISTING H.E. LINE	
R/W MONUMENT	● (SET)	PROPERTY LINE	
R/W STANDARD	▲ (SET)	LOT & TIE LINES	
SIGN	SIGN	SLOPE INTERCEPTS	
SECTION CORNER MONUMENT		CORPORATE LIMITS	
SECTION CORNER SYMBOL		NO ACCESS (BY PREVIOUS ACQUISITION/CONTROL)	
FEE - HE (HATCH VARIES)		NO ACCESS (BY ACQUISITION)	
TEMPORARY LIMITED EASEMENT		NO ACCESS (BY STATUTORY AUTHORITY)	
PERMANENT LIMITED EASEMENT		SECTION LINE	
R/W BOUNDARY POINT	RWB20	QUARTER LINE	
PARCEL NUMBER	02	SIXTEENTH LINE	
SIGN NUMBER (OFF PREMISE)	21	EXISTING CENTERLINE	
BUILDING		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		

TPP NUMBER 1030-24-20-4.01
SHEET 2 OF 2

FILE NAME : J:\projects\d2_r_10302494\20\040400_rp.dgn PLOT DATE : 11-DEC-2009 08:11 PLOT BY : dotphk PLOT NAME : PLOT SCALE : 100.000000:1.000000
CONST. 1030-24-70 STH 11 R/W 1030-24-20 4.00

TRANSPORTATION PROJECT PLAT NO: 1030-24-20 - 4.01

THAT PART OF THE NE1/4 OF THE SE1/4, SECTION 25, TOWN 3 NORTH, RANGE 21 EAST, TOWN OF YORKVILLE, AND THE NW1/4 OF THE SW1/4, SECTION 30, TOWN 3 NORTH, RANGE 22 EAST, VILLAGE OF MT. PLEASANT, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER IH-94/STH 11 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.

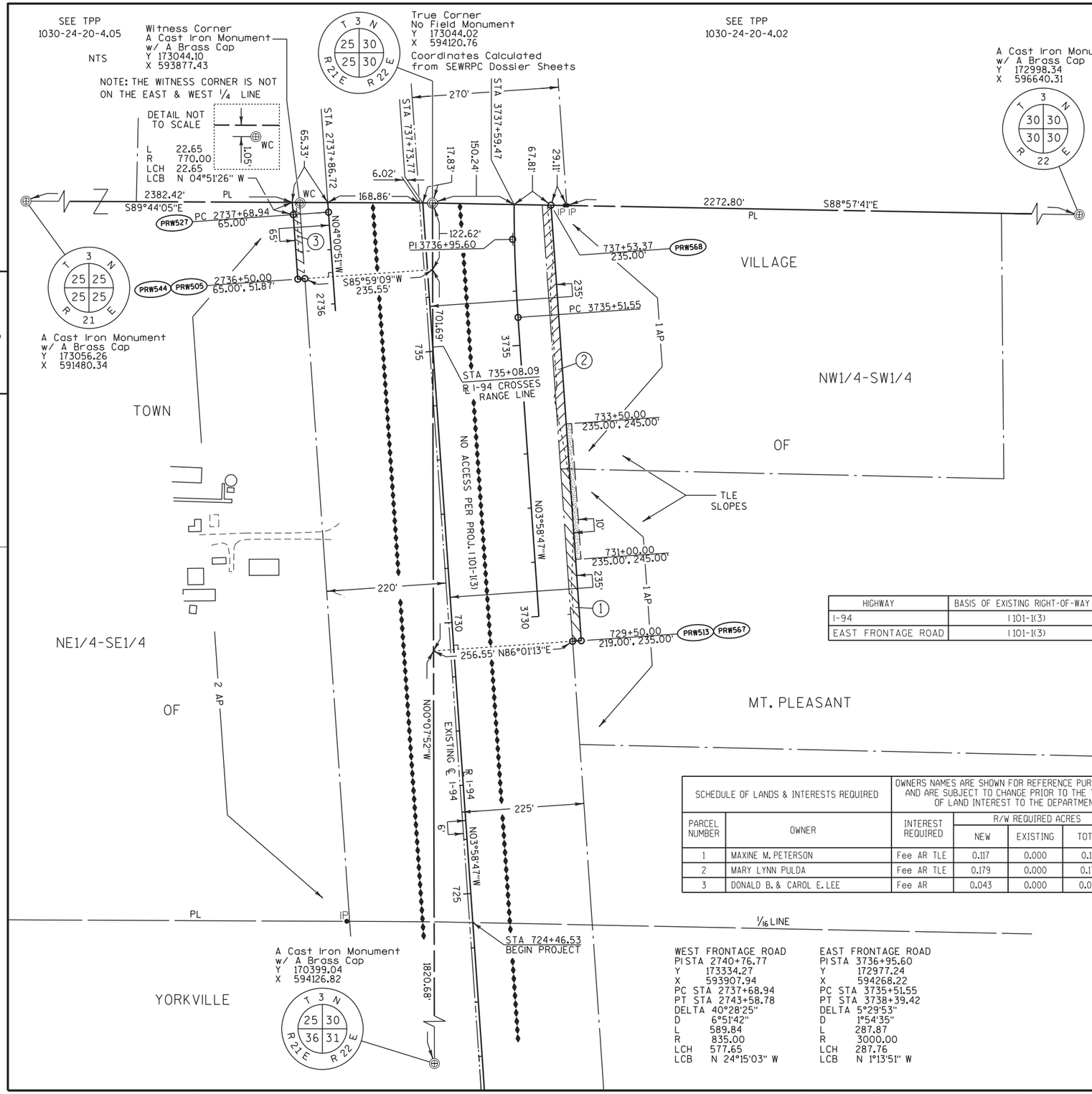
TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
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.

NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, RACINE COUNTY ZONE, NAD83 (97) ADJUSTMENT AND ARE REFERENCED TO GPS HARN POINTS YORKVILLE EAST, RAYMOND SOUTH, AND PARIS EAST. ALL DISTANCES ARE GROUND LENGTH.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL ¾" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT, BY SE REGION DOT SURVEY.

FOR THE LATEST ACCESS / DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.



HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
I-94	I 101-1(3)	VARIES	1956
EAST FRONTAGE ROAD	I 101-1(3)	VARIES	1956

SCHEDULE OF LANDS & INTERESTS REQUIRED		OWNERS 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			T.L.E. TEMP. ACRES
			NEW	EXISTING	TOTAL	
1	MAXINE M. PETERSON	Fee AR TLE	0.117	0.000	0.117	0.038
2	MARY LYNN PULDA	Fee AR TLE	0.179	0.000	0.179	0.019
3	DONALD B. & CAROL E. LEE	Fee AR	0.043	0.000	0.043	0.000

WEST FRONTAGE ROAD
PISTA 2740+76.77
Y 173334.27
X 593907.94
PC STA 2737+68.94
PT STA 2743+58.78
DELTA 40°28'25"
D 6°51'42"
L 589.84
R 835.00
LCH 577.65
LCB N 24°15'03" W

EAST FRONTAGE ROAD
PISTA 3736+95.60
Y 172977.24
X 594268.22
PC STA 3735+51.55
PT STA 3738+39.42
DELTA 5°29'53"
D 1°54'35"
L 287.87
R 3000.00
LCH 287.76
LCB N 1°13'51" W

YORKVILLE R-21-E | MT. PLEASANT R-22-E
RACINE COUNTY

GN

SCALE, FEET
0 100 200

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF THIS DOCUMENT FOR ADDITIONAL INFORMATION.

I HEREBY CERTIFY THAT THIS PLAT MEETS ALL REQUIREMENTS OF SECTION 84.095, WISCONSIN STATUTES. THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENTOF TRANSPORTA...

DATE: 12-11-09
Name Craig Andersen
Title Real Estate Supervisor

THIS PLAT WAS PREPARED BY OR UNDER THE DIRECTION OF:
DATE: 12-11-2009
Name Paul Krause

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1030-24-20-4.01
SHEET 1 OF 2
AMENDMENT NO:

DOCUMENT # 2237987
RACINE COUNTY REGISTER OF DEEDS
December 29, 2009 9:24 AM
JAMES A LADWIG
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00
Pages: 2
Vol 1 pg 90

FILE NAME : J:\projects\d2_r_10302494\20\040401_rp.dgn PLOT DATE : 11-DEC-2009 08:10 PLOT BY : dotphk PLOT NAME : PLOT SCALE : 100.000000:1.000000
CONST. 1030-24-70 STH 11 R/W 1030-24-20 4.01

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF DOCUMENT 2237987, OF TRANSPORTATION PROJECT PLATS IN THE RACINE COUNTY REGISTER OF DEEDS.

HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
I-94	I 101-1(3)	VARIES	1956
I-94	2382	VARIES	1935
STH 11	1320-03-20	VARIES	2000
STH 11	2665	94'	1927
EAST FRONTAGE ROAD	1320-03-20	VARIES	2000
EAST FRONTAGE ROAD	1032-01-21	VARIES	1969
58TH ROAD	TOWN ROAD V. B P.62	49.50'	1843

NOTE: SEE CONTROLLED ACCESS PLAT 1320-00-27

I-94
PISTA 744+39.94
Y 173708.68
X 594056.69
PC STA 739+64.64
PT STA 749+14.88
DELTA 3°53'20"
D 0°24'33"
L 950.25'
R 14000.00'
LCH 950.06'
LCB N 2°02'07" W

EAST FRONTAGE ROAD
PISTA 3736+95.60
Y 172977.24
X 594268.22
PC STA 3735+51.55
PT STA 3738+39.42
DELTA 5°29'53"
D 1°54'35"
L 287.87'
R 3000.00'
LCH 287.76'
LCB N 1°13'51" W

EAST FRONTAGE ROAD
PISTA 3743+74.44
Y 173656.07
X 594286.21
PC STA 3740+20.91
PT STA 3746+88.34
DELTA 46°43'12"
D 7°00'00"
L 667.43'
R 818.51'
LCH 649.09'
LCB N 24°52'41" E

EAST FRONTAGE ROAD
PISTA 3755+01.36
Y 174433.03
X 595156.36
PC STA 3750+73.45
PT STA 3758+62.03
DELTA 55°12'04"
D 7°00'00"
L 788.58'
R 818.51'
LCH 758.44'
LCB N 20°38'16" E

TRANSPORTATION PROJECT PLAT NO: 1030-24-20 - 4.02 AMENDMENT NO: 3

AMENDS PARCEL 100 OF TPP 1030-24-20-4.02 AMENDMENT NO: 2, RECORDED AS DOCUMENT 2288420.

THAT PART OF THE SW1/4 OF THE NW1/4 AND THE NW1/4 OF THE NW1/4, SECTION 30, TOWN 3 NORTH, RANGE 22 EAST, VILLAGE OF MT. PLEASANT, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER IH-94/STH 11 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.

NOTE: THE WITNESS CORNER IS NOT ON THE EAST & WEST 1/4 LINE

Witness Corner
A Cast Iron Monument
w/ A Brass Cap
Y 173044.10
X 593877.43

True Corner
No Field Monument
Y 173044.02
X 594120.76

DETAIL NOT TO SCALE

SEE TPP 1030-24-20-4.05

STA 755+53.87 I-94 = STA 134+21.89 STH 11

STA 764+28.24 I-94 = STA 50+00.00 58TH ROAD

STA 134+86.24

STA 50+64.34 58TH ROAD

Coordinates Calculated from SEWRPC Dossier Sheets

STA 3737+59.47

SEE TPP 1030-24-20-4.01

SEE TPP 1030-24-20-4.04

SEE TPP 1030-24-20-4.03

A Concrete Monument w/ An Aluminum Cap
Y 175696.15
X 594117.87

A Cast Iron Monument w/ A Brass Cap
Y 175503.19
X 596615.74

A Cast Iron Monument
w/ A Brass Cap
Y 172998.34
X 596640.31

(100) NO RECORDED EASEMENT PCL. 8
V. 919 P. 279 DOC. 811995 PCL. 9

(101) NO RECORDED EASEMENT PCL. 8

(103) V 485 P 507 DOC. 544359 PCL. 9,11

ACCESS FOR PARCEL 5 VIA NONDESCRIPT EASEMENT AGREEMENT V 2513 P 899

NO ACCESS PER PROJ. I 101-1(3)

NO ACCESS, PER PROJ. 1032-01-21

NO ACCESS, PER PROJ. 1320-03-20

DOT LANDS PARK & ROAD

TLE SLOPES & DRIVE

R NORTH BOUND ON RAMP

R NORTH BOUND EXIT RAMP

R EAST FRONTAGE ROAD

SOO LINE RAILROAD CO.

1/16 LINE

SW1/4-NW1/4

NW1/4-NW1/4

VILLAGE OF MOUNT PLEASANT

YORKVILLE T-3-N R-21-E
MT. PLEASANT T-3-N R-22-E
RACINE COUNTY

SHEET LOCATION

DETAIL NOT TO SCALE

SCALE, FEET
0 100 200

NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, RACINE COUNTY ZONE, NAD83 (97) ADJUSTMENT AND ARE REFERENCED TO GPS HARN POINTS YORKVILLE EAST, RAYMOND SOUTH, AND PARIS EAST. ALL DISTANCES ARE GROUND LENGTH.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL ¾" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT, BY SE REGION DOT SURVEY.

FOR THE LATEST ACCESS / DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.

SCHEDULE OF LANDS & INTERESTS REQUIRED		OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.					
			R/W REQUIRED ACRES			T.L.E.	P.L.E.
PARCEL NUMBER	OWNER	INTEREST REQUIRED	NEW	EXISTING	TOTAL	TEMP. ACRES	PERM. ACRES
4	VERENA E. PETERSEN TRUST	Fee AR	0.007	0.000	0.007	0.000	0.000
5	RODNEY A. JENSEN	Fee AR TLE	0.054	0.000	0.054	0.044	0.000
6	ELIMINATED		0.000	0.000	0.000	0.000	0.000
7	JOSEPH C. MRAZEK SR.	Fee AR TLE	0.133	0.000	0.133	0.097	0.000
8	SOO LINE RAILROAD COMPANY	HE	0.593	0.000	0.593	0.000	0.000
9	LAKE-COOK FARM SUPPLY	Fee AR TLE	0.433	0.255	0.688	0.090	0.000
10	W. H. PUGH OIL CO.	Fee TLE	0.316	0.418	0.734	0.033	0.000
11	CHARLES R. & MARILYN A. ENGEL	Fee	0.465	0.045	0.510	0.000	0.000
100	WE ENERGIES ELECTRIC	ROR	-----	-----	-----	-----	-----
101	WE ENERGIES GAS	ROR	-----	-----	-----	-----	-----
103	AT&T WISCONSIN	ROR	-----	-----	-----	-----	-----

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1030-24-20-4.02
AMENDMENT NO: 3

THIS IS A COPY, THE ORIGINAL DOCUMENT IS AT THE RACINE COUNTY REGISTER OF DEEDS

DOCUMENT # 2294368
RACINE COUNTY REGISTER OF DEEDS
September 15, 2011 12:00 PM
TYSON FEITER
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: 30.00
Pages: 1
Vol 1 Pg 189

I HEREBY CERTIFY THAT THIS PLAT MEETS ALL REQUIREMENTS OF SECTION 84.095, WISCONSIN STATUTES. THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENTOF TRANSPORTATION.

DATE: 9-6-2011 — A E Andersen — Name, Title

THIS PLAT WAS PREPARED BY OR UNDER THE DIRECTION OF:

DATE: 9-6-2011 — Paul Krause — Name PAUL KRAUSE

FILE NAME : J:\projects\d2_r_10302494\20\040402A3_rp.dgn
PLOT DATE : 02-SEP-2011 09:35
PLOT BY : dotphk
PLOT NAME :
PLOT SCALE : 100.000000:1.000000
CONST. 1030-24-70 STH 11 R/W 1030-24-20 4.02A3

TRANSPORTATION PROJECT PLAT NO: 1030-24-20 - 4.03 AMENDMENT NO: 1

AMENDS PARCEL 100 OF TPP 1030-24-20-4.03, RECORDED AS DOCUMENT 2240908.

THAT PART OF PARCEL 2 OF CSM 1085, LOCATED IN AND INCLUDING THAT PART OF THE NE1/4 OF THE NW1/4, AND THE NW1/4 OF THE NW1/4, SECTION 30, TOWN 3 NORTH, RANGE 22 EAST, VILLAGE OF MT. PLEASANT, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER IH-94/STH 11 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		OWNERS 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			T.L.E. TEMP. ACRES	P.L.E. PERM. ACRES
			NEW	EXISTING	TOTAL		
8	SOO LINE RAILROAD COMPANY	HE TLE	0.432	0.000	0.432	0.155	0.000
9	LAKE-COOK FARM SUPPLY	Fee	0.062	0.000	0.062	0.000	0.000
12	WALTER THOMAS HARMANN	TLE	0.000	0.000	0.000	0.123	0.000
13	JAY D. & JANE E. WILDFONG	TLE	0.000	0.000	0.000	0.010	0.000
14	KAREN A. SCHUTTEN	Fee AR TLE	0.252	0.129	0.381	0.021	0.000
100	WE ENERGIES ELECTRIC	ROR	-----	-----	-----	-----	-----
103	AT&T WISCONSIN	ROR	-----	-----	-----	-----	-----

HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
STH 11	1320-03-20	VARIES	2000
STH 11	2665	94'	1927
EAST FRONTAGE ROAD	1320-03-20	VARIES	2000
EAST FRONTAGE ROAD	1032-01-21	VARIES	1969
58TH ROAD	TOWN ROAD V. B P.62	49.50'	1843

NOTE: EXISTING RIGHT-OF-WAY FOR STH 11 IS MEASURED IN METERS PER PROJECT 1320-03-20

NOTE: SEE CONTROLLED ACCESS PLAT 1320-00-27

A Concrete Monument w/ An Aluminum Cap
Y 175696.15
X 594117.87

A Cast Iron Monument w/ A Brass Cap
Y 175650.19
X 596615.74

SEE TPP 1030-24-20-4.04

DETAIL NOT TO SCALE

STA 59+50.71 58TH ROAD = STA 5762+15.17 E FR NORTH

STA 50+64.34 58TH ROAD

STA 75+62.64 58TH ROAD

TLE FOR BUILDING REMOVAL

DETAIL NOT TO SCALE

VILLAGE OF MT. PLEASANT

NW1/4-NW1/4

NE1/4-NW1/4

NW1/4-NE1/4

SOO LINE RAILROAD CO.

℄ STH 11 1927

℄ STH 11

℄ EAST FRONTAGE ROAD

58TH ROAD

TLE SLOPES

TLE SLOPES & DRIVE

NO ACCESS PER PROJ. 1320-03-20

1 AP PER PROJ. 1320-03-20

PARCEL 1 CSM 1085 V 3 P 202

PARCEL 2 CSM 1085 V 3 P 202

STA 144+67.93 STH 11 = STA 5754+78.75 E FR NORTH = STA 3759+53.78 E FR SOUTH

PT 3758+62.03

L 59.59'
R 818.51'
LCH 59.58'
LCB N 04°52'37" W

STA 160+06.27 STH 11

PI 160+50.00
Y=175139.27
X=596663.94

EAST FRONTAGE ROAD SOUTH
PI STA 3755+01.36
Y 174433.03
X 595156.36
PC STA 3750+73.45
PT STA 3758+62.03
DELTA 55°12'04"
D 7°00'00"
L 788.58'
R 818.51'
LCH 758.44'
LCB N 20°38'16" E

A Cast Iron Monument w/ A Brass Cap
Y 172998.34
X 596640.31

SCALE, FEET
0 100 200

GN

R-21-E T-3-N R-22-E

SHEET LOCATION

YORKVILLE R-21-E MT. PLEASANT R-22-E

RACINE COUNTY

(100) NO RECORDED EASEMENT PCL. 8

(103) V 485 P 507 DOC. 544359 PCL. 14

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF DOCUMENT 2237987, OF TRANSPORTATION PROJECT PLATS IN THE RACINE COUNTY REGISTER OF DEEDS.

NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, RACINE COUNTY ZONE, NAD83 (97) ADJUSTMENT AND ARE REFERENCED TO GPS HARN POINTS YORKVILLE EAST, RAYMOND SOUTH, AND PARIS EAST. ALL DISTANCES ARE GROUND LENGTH.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL ¾" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT, BY SE REGION DOT SURVEY.

FOR THE LATEST ACCESS / DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.

THIS IS A COPY, THE ORIGINAL DOCUMENT IS AT THE RACINE COUNTY REGISTER OF DEEDS

I HEREBY CERTIFY THAT THIS PLAT MEETS ALL REQUIREMENTS OF SECTION 84.095, WISCONSIN STATUTES, THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENTOF TRANSPORTATION.

DATE: 9-6-2011 — Name: JE Andersen — Title:

THIS PLAT WAS PREPARED BY OR UNDER THE DIRECTION OF:

DATE: 9-6-2011 — Name: Paul Krause

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1030-24-20-4.03
AMENDMENT NO: 1

DOCUMENT # 2294369
RACINE COUNTY REGISTER OF DEEDS
September 15, 2011 12:00 PM
TYSON PETTES
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $30.00
Pages: 1
Vol 1 Ps 200

FILE NAME : J:\projects\d2_r_10302494\20\040403A1_rp.dgn PLOT DATE : 02-SEP-2011 09:36 PLOT BY : dotphk PLOT NAME : PLOT SCALE : 100.000000:1.000000
CONST. 1030-24-70 STH 11 R/W 1030-24-20 4.03A1

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF DOCUMENT 2237987, OF TRANSPORTATION PROJECT PLATS IN THE RACINE COUNTY REGISTER OF DEEDS.

NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, RACINE COUNTY ZONE, NAD83 (97) ADJUSTMENT AND ARE REFERENCED TO GPS HARN POINTS YORKVILLE EAST, RAYMOND SOUTH, AND PARIS EAST. ALL DISTANCES ARE GROUND LENGTH.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL ¾" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT, BY SE REGION DOT SURVEY.

FOR THE LATEST ACCESS / DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.

HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
I-94	I 101-1(3)	VARIES	1956
I-94	2382	VARIES	1935
58TH ROAD	TOWN ROAD V. B P.62	49.50'	1843
LOUIS SORENSON ROAD	RACINE & BURLINGTON TERRITORIAL ROAD	66'	1846

(100) V. 2236 P. 810 DOC. 1411771 PCL. 20
V. 1766 P. 752 DOC. 1176978 PCL. 18
V. 2236 P. 804 DOC. 1411769 PCL. 18
V. 2236 P. 807 DOC. 1411770 PCL. 19
(103) V. 2236 P. 807 DOC. 1411770 PCL. 19
V. 2236 P. 804 DOC. 1411769 PCL. 18
V. 2236 P. 810 DOC. 1411771 PCL. 20

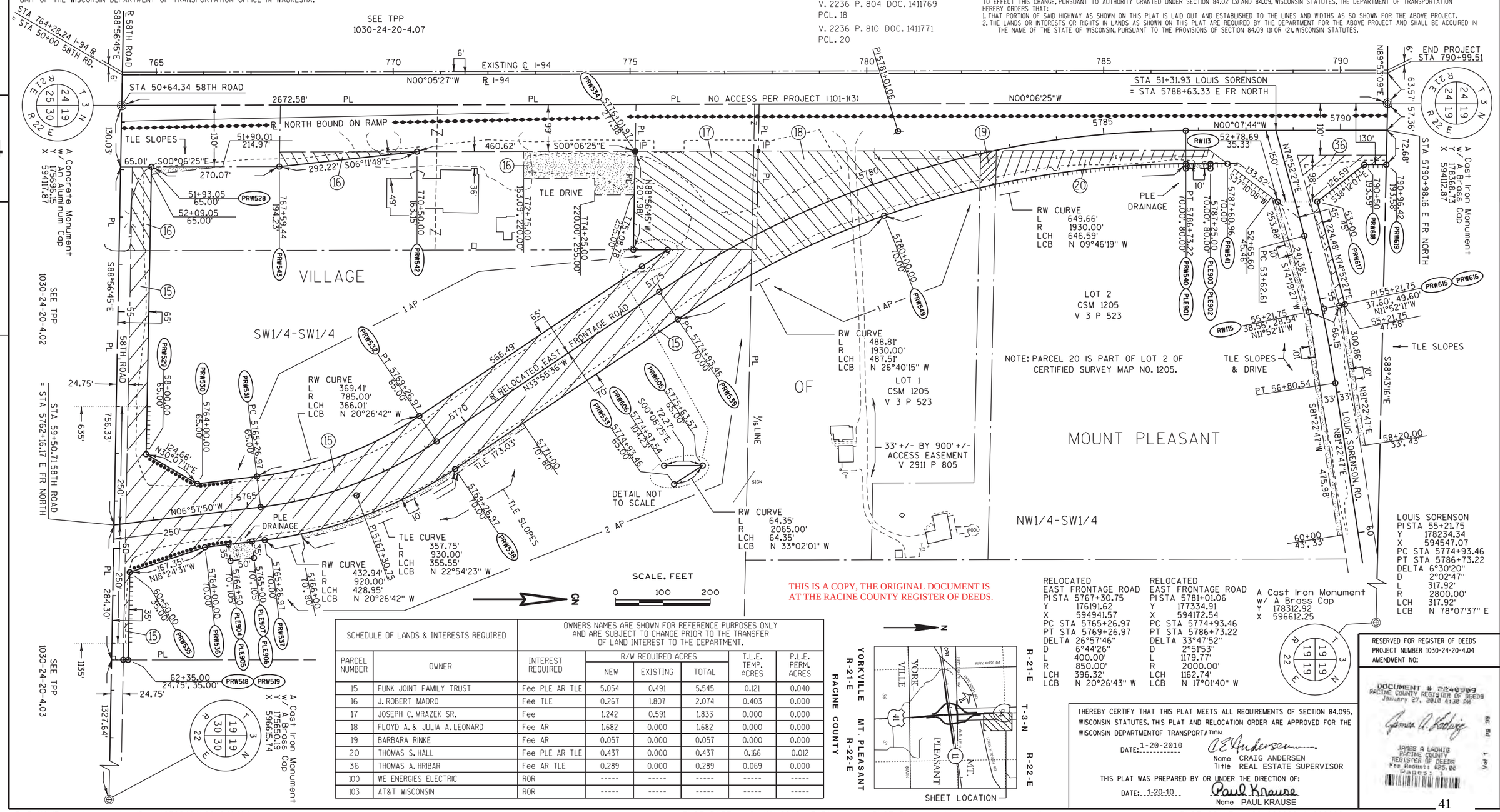
TRANSPORTATION PROJECT PLAT NO: 1030-24-20 - 4.04

THAT PART OF LOT 1 AND LOT 2 OF CSM 1205, LOCATED IN AND INCLUDING THAT PART OF THE NW1/4 OF THE SW1/4, AND THAT PART OF THE SW1/4 OF THE SW1/4 OF SECTION 19, TOWN 3 NORTH, RANGE 22 EAST, VILLAGE OF MT. PLEASANT, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER IH-94/STH 11 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			OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.				
			R/W REQUIRED ACRES			T.L.E.	P.L.E.
PARCEL NUMBER	OWNER	INTEREST REQUIRED	NEW	EXISTING	TOTAL	TEMP. ACRES	PERM. ACRES
15	FUNK JOINT FAMILY TRUST	Fee PLE AR TLE	5.054	0.491	5.545	0.121	0.040
16	J. ROBERT MADRO	Fee TLE	0.267	1.807	2.074	0.403	0.000
17	JOSEPH C. MRAZEK SR.	Fee	1.242	0.591	1.833	0.000	0.000
18	FLOYD A. & JULIA A. LEONARD	Fee AR	1.682	0.000	1.682	0.000	0.000
19	BARBARA RINKE	Fee AR	0.057	0.000	0.057	0.000	0.000
20	THOMAS S. HALL	Fee PLE AR TLE	0.437	0.000	0.437	0.166	0.012
36	THOMAS A. HRIBAR	Fee AR TLE	0.289	0.000	0.289	0.069	0.000
100	WE ENERGIES ELECTRIC	ROR	-----	-----	-----	-----	-----
103	AT&T WISCONSIN	ROR	-----	-----	-----	-----	-----

I HEREBY CERTIFY THAT THIS PLAT MEETS ALL REQUIREMENTS OF SECTION 84.095, WISCONSIN STATUTES. THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENTOF TRANSPORTATION.

DATE: 1-20-2010
Name CRAIG ANDERSEN
Title REAL ESTATE SUPERVISOR

THIS PLAT WAS PREPARED BY OR UNDER THE DIRECTION OF:

DATE: 1-20-10
Name PAUL KRAUSE

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1030-24-20-4.04
AMENDMENT NO:

DOCUMENT # 2240909
RACINE COUNTY REGISTER OF DEEDS
January 27, 2010 4:30 PM
JAMES A LADWIG
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00
Pages: 1
Vol 1 Pg 95

FILE NAME : j:\projects\d2_r_10302494\20\040404_rp.dgn
PLOT DATE : 19-JAN-2010 17:31
PLOT BY : dotphk
PLOT NAME :
PLOT SCALE : 100.000000:1.000000
CONST. 1030-24-70 STH 11 R/W 1030-24-20 4.04

TRANSPORTATION PROJECT PLAT NO: 1030-24-20 - 4.05 AMENDMENT NO: 1

ADDS PARCEL 125 AND AMENDS PARCELS 8 & 100 OF TPP 1030-24-20-4.05, RECORDED AS DOCUMENT 2240910.

THAT PART OF THE NE1/4 OF THE NE1/4, THE SE1/4 OF THE NE1/4, AND THE NW1/4 OF THE NE1/4, SECTION 25, TOWN 3 NORTH, RANGE 21 EAST, TOWN OF YORKVILLE, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER IH-94/STH 11 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:

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A Cast Iron Monument
w/ A Brass Cap
Y 173056.26
X 591480.34

SCHEDULE OF LANDS & INTERESTS REQUIRED			OWNERS 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
3	DONALD B. & CAROL LEE	Fee AR	0.042	0.000	0.042	0.000
8	SOO LINE RAILROAD COMPANY	HE TLE	1.249	0.000	1.249	0.907
21	ROBERT L. JR. & ANGELA S. KRENCISZ	Fee AR TLE	0.094	0.000	0.094	0.030
22	JEFFREY D. & BEVERLY L. LEE	Fee AR TLE	0.092	0.000	0.092	0.056
23	MARIA C. VARGAS	Fee AR TLE	0.621	0.000	0.621	0.074
24	YORKVILLE REAL ESTATE ASSC. LLC	Fee AR	0.531	TLE	0.531	0.000
25	13901-58TH ROAD LLC	Fee AR	3.767	0.511	4.278	0.000
125	13901-58TH ROAD LLC	TLE	0.000	0.000	0.000	0.168
100	WE ENERGIES ELECTRIC	ROR	-----	-----	-----	-----
101	WE ENERGIES GAS	ROR	-----	-----	-----	-----
103	AT&T WISCONSIN	ROR	-----	-----	-----	-----

NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, RACINE COUNTY ZONE, NAD83 (97) ADJUSTMENT AND ARE REFERENCED TO GPS HARN POINTS YORKVILLE EAST, RAYMOND SOUTH, AND PARIS EAST. ALL DISTANCES ARE GROUND LENGTH.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL 3/4" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT, BY SE REGION DOT SURVEY.

FOR THE LATEST ACCESS / DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF DOCUMENT 2237987, OF TRANSPORTATION PROJECT PLATS IN THE RACINE COUNTY REGISTER OF DEEDS.

SEE TPP 1030-24-20-4.01

SE1/4-NE1/4

NW1/4-NE1/4

SEE TPP 1030-24-20-4.06

NE1/4-NE1/4

SEE TPP 1030-24-20-4.07

SEE TPP 1030-24-20-4.02

TOWN

YORKVILLE

SHEET LOCATION

R-21-E T-3-N R-22-E
YORKVILLE MT. PLEASANT
R-21-E R-22-E
RACINE COUNTY

OF

(100) V. 2750 P. 763 DOC. 1622630 PCL. 23

(101) NO RECORDED EASEMENT PCL. 25

(103) V. 483 P. 17 DOC. 542064 PCL. 25

THIS IS A COPY, THE ORIGINAL DOCUMENT IS AT THE RACINE COUNTY REGISTER OF DEEDS

NO ACCESS PER PROJECT 1032-01-21

NO ACCESS PER PROJ. 1101-1(3)

R SOUTH BOUND ON RAMP

R SOUTH BOUND EXIT RAMP

R WEST FRONTAGE ROAD

R RELOCATED WEST FRONTAGE ROAD

R 58TH ROAD

R STH 11

EXISTING ℄ I-94

R I-94

TLE SLOPES & DRIVES

TLE FOR DITCHING

DETAIL NOT TO SCALE

Witness Corner
A Cast Iron Monument
w/ A Brass Cap
Y 173044.10
X 593877.43

True Corner
No Field Monument
Y 173044.02
X 594120.76
Coordinates Calculated from SEWRPC Dossier Sheets

A Concrete Monument
w/ An Aluminum Cap
Y 175696.15
X 594117.87

NOTE: THE WITNESS CORNER IS NOT ON THE EAST & WEST 1/4LINE

HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
I-94	1101-1(3)	VARIES	1956
STH 11	1101-1(3)	VARIES	1956
STH 11	2665	94'	1927
WEST FRONTAGE ROAD	1032-01-21	VARIES	1969
58th ROAD	1101-1(3)	130'	1956
58th ROAD	WIDTH BY SS 82.31(2)	66'	

SCALE, FEET 0 100 200

I HEREBY CERTIFY THAT THIS PLAT MEETS ALL REQUIREMENTS OF SECTION 84.095, WISCONSIN STATUTES. THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENTOF TRANSPORTATION.

DATE: 9-6-2011 — Name — Title

THIS PLAT WAS PREPARED BY OR UNDER THE DIRECTION OF:

DATE: 9-6-2011 — Paul Krause — Name

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1030-24-20-4.05
AMENDMENT NO: 1

DOCUMENT # 2294370
RACINE COUNTY REGISTER OF DEEDS
September 14, 2011 12:00 PM
TYSON FEITES
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $30.00
Pages: 1
Vol 1 Pg 201

FILE NAME : J:\projects\d2_r_10302494\20\040405A1_rp.dgn PLOT DATE : 02-SEP-2011 09:37 PLOT BY : dotphk PLOT NAME : PLOT SCALE : 100.000000:1.000000

CONST. 1030-24-70 STH 11 R/W 1030-24-20 4.05A1

TRANSPORTATION PROJECT PLAT NO: 1030-24-20 - 4.06
AMENDMENT NO: 1

ADDS PARCELS 123 & 135 AND AMENDS PARCELS 8 & 100 OF TPP 1030-24-20-4.06, RECORDED AS DOCUMENT 2240911.

THAT PART OF THE NW1/4 OF THE NE1/4, THE SW1/4 OF THE NE1/4, THE NE1/4 OF THE NW1/4, AND THE SE1/4 OF THE NW1/4, SECTION 25, TOWN 3 NORTH, RANGE 21 EAST, TOWN OF YORKVILLE, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER IH-94/STH 11 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.

NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, RACINE COUNTY ZONE, NAD83 (97) ADJUSTMENT AND ARE REFERENCED TO GPS HARN POINTS YORKVILLE EAST, RAYMOND SOUTH, AND PARIS EAST. ALL DISTANCES ARE GROUND LENGTH.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL 3/4" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT, BY SE REGION DOT SURVEY.

FOR THE LATEST ACCESS / DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.

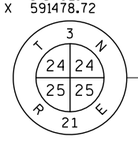
FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF DOCUMENT 2237987, OF TRANSPORTATION PROJECT PLATS IN THE RACINE COUNTY REGISTER OF DEEDS.

SCHEDULE OF LANDS & INTERESTS REQUIRED		OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.					
			R/W REQUIRED ACRES			T.L.E.	P.L.E.
PARCEL NUMBER	OWNER	INTEREST REQUIRED	NEW	EXISTING	TOTAL	TEMP. ACRES	PERM. ACRES
8	SOO LINE RAILROAD COMPANY	HE	0.226	0.000	0.226	0.000	0.000
23	MARIA C. VARGAS	Fee	0.989	0.000	0.989	0.000	0.000
26	ASHLEY YORKVILLE, LLC	Fee AR TLE	0.070	0.000	0.070	0.204	0.000
27	WAYNE & MARDELL FULLER LIVING TRUST	AR TLE	0.000	0.000	0.000	0.153	0.000
28	CLARENCE R. & VERA A. BAER	Fee TLE	0.042	0.140	0.182	0.023	0.000
29	VERONICA E. HORNBOSTEL	Fee	0.017	0.110	0.127	0.000	0.000
35	LEE BROTHERS LLP	Fee	0.035	0.000	0.035	0.000	0.000
123	MARIA C. VARGAS	TLE	0.000	0.000	0.000	0.087	0.000
135	LEE BROTHERS LLP	TLE	0.000	0.000	0.000	0.058	0.000
100	WE ENERGIES ELECTRIC	ROR	-----	-----	-----	-----	-----
103	AT&T WISCONSIN	ROR	-----	-----	-----	-----	-----

(100) V 1559 P 21 DOC 1071735 PCL 27

(103) V 483 P 17 DOC. 542064 PCL. 27

A Cast Iron Monument w/ A Brass Cap
Y 175702.44
X 591478.72



HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
STH 11	1101-1(3)	VARIES	1956
STH 11	2665	94'	1927
WEST FRONTAGE ROAD	1032-01-21	VARIES	1969
58th ROAD	WIDTH BY SS 82.31(2)	66'	

NOTE: SEE CONTROLLED ACCESS PLAT 1320-00-27

SCALE, FEET
0 100 200

GN

I HEREBY CERTIFY THAT THIS PLAT MEETS ALL REQUIREMENTS OF SECTION 84.095, WISCONSIN STATUTES. THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENTOF TRANSPORTATION.

DATE: 9-6-2011 — Name, Title

THIS PLAT WAS PREPARED BY OR UNDER THE DIRECTION OF:

DATE: 9-6-2011 — Paul Krause, Name

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1030-24-20-4.06
AMENDMENT NO: 1

DOCUMENT # 2294371
RACINE COUNTY REGISTER OF DEEDS
September 15, 2011 12:00 PM
TYSON FETTES
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00
Pages: 1
Vol 1 Pg 202

FILE NAME : J:\projects\d2_r_10302494\20\040406A1_rp.dgn PLOT DATE : 02-SEP-2011 09:38 PLOT BY : dotphk PLOT NAME : PLOT SCALE : 100.000000:1.000000
CONST. 1030-24-70 STH 11 R/W 1030-24-20 4.06A1

TRANSPORTATION PROJECT PLAT NO: 1030-24-20 - 4.07 AMENDMENT NO: 1

ADDS PARCEL 134 OF TPP 1030-24-20-4.07, RECORDED AS DOCUMENT 2240912.

THAT PART OF PARCELS 1, 2, AND 3 OF CSM 1149, LOCATED IN AND INCLUDING THAT PART OF THE SE1/4 OF THE SE1/4, AND THE NE1/4 OF THE SE1/4, SECTION 24, TOWN 3 NORTH, RANGE 21 EAST, TOWN OF YORKVILLE, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER IH-94/STH 11 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.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF DOCUMENT 2237987, OF TRANSPORTATION PROJECT PLATS IN THE RACINE COUNTY REGISTER OF DEEDS.

SCHEDULE OF LANDS & INTERESTS REQUIRED		OWNERS 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	R/W REQUIRED ACRES EXISTING	R/W REQUIRED ACRES TOTAL	T.L.E. TEMP. ACRES	P.L.E. PERM. ACRES
30	KEVIN R. HAIGH	Fee AR TLE	0.121	0.157	0.278	0.030	0.000
31	MIKE BENBEN INC.	Fee AR TLE	3.853	0.367	4.220	0.143	0.000
32	SYLVANIA AIRPORT, LLC	AR TLE	0.000	0.000	0.000	0.044	0.000
33	ROBERT B. MCKAY	AR TLE	0.000	0.000	0.000	0.064	0.000
34	D'ACQUISTO - REV. LIVING TRUST	AR TLE	0.000	0.000	0.000	0.035	0.000
134	D'ACQUISTO - REV. LIVING TRUST	Fee	0.020	0.102	0.122	0.000	0.000
100	WE ENERGIES ELECTRIC	ROR	-----	-----	-----	-----	-----

HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
I-94	I 101-1(3)	VARIES	1956
I-94	2382	VARIES	1935
58TH ROAD	I 101-1(3)	130'	1956
58TH ROAD	WIDTH BY SS 82.31(2)	66'	
56TH ROAD	RACINE & BURLINGTON TERRITORIAL ROAD	66'	1846

NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, RACINE COUNTY ZONE, NAD83 (97) ADJUSTMENT AND ARE REFERENCED TO GPS HARN POINTS YORKVILLE EAST, RAYMOND SOUTH, AND PARIS EAST. ALL DISTANCES ARE GROUND LENGTH.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL 3/4" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT, BY SE REGION DOT SURVEY.

FOR THE LATEST ACCESS / DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.

SCALE, FEET 0 100 200

SEE TPP 1030-24-20-4.04

SEE TPP 1030-24-20-4.05

SEE TPP 1030-24-20-4.06

SEE TPP 1033-02-21-4.01

SHEET LOCATION

YORKVILLE MT. PLEASANT R-21-E R-22-E T-3-N R-21-E R-22-E RACINE COUNTY

THIS IS A COPY, THE ORIGINAL DOCUMENT IS AT THE RACINE COUNTY REGISTER OF DEEDS.

I HEREBY CERTIFY THAT THIS PLAT MEETS ALL REQUIREMENTS OF SECTION 84.095, WISCONSIN STATUTES. THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENTOF TRANSPORTATION.

DATE: 6-9-2011 — Name: D E Andersen — Title:

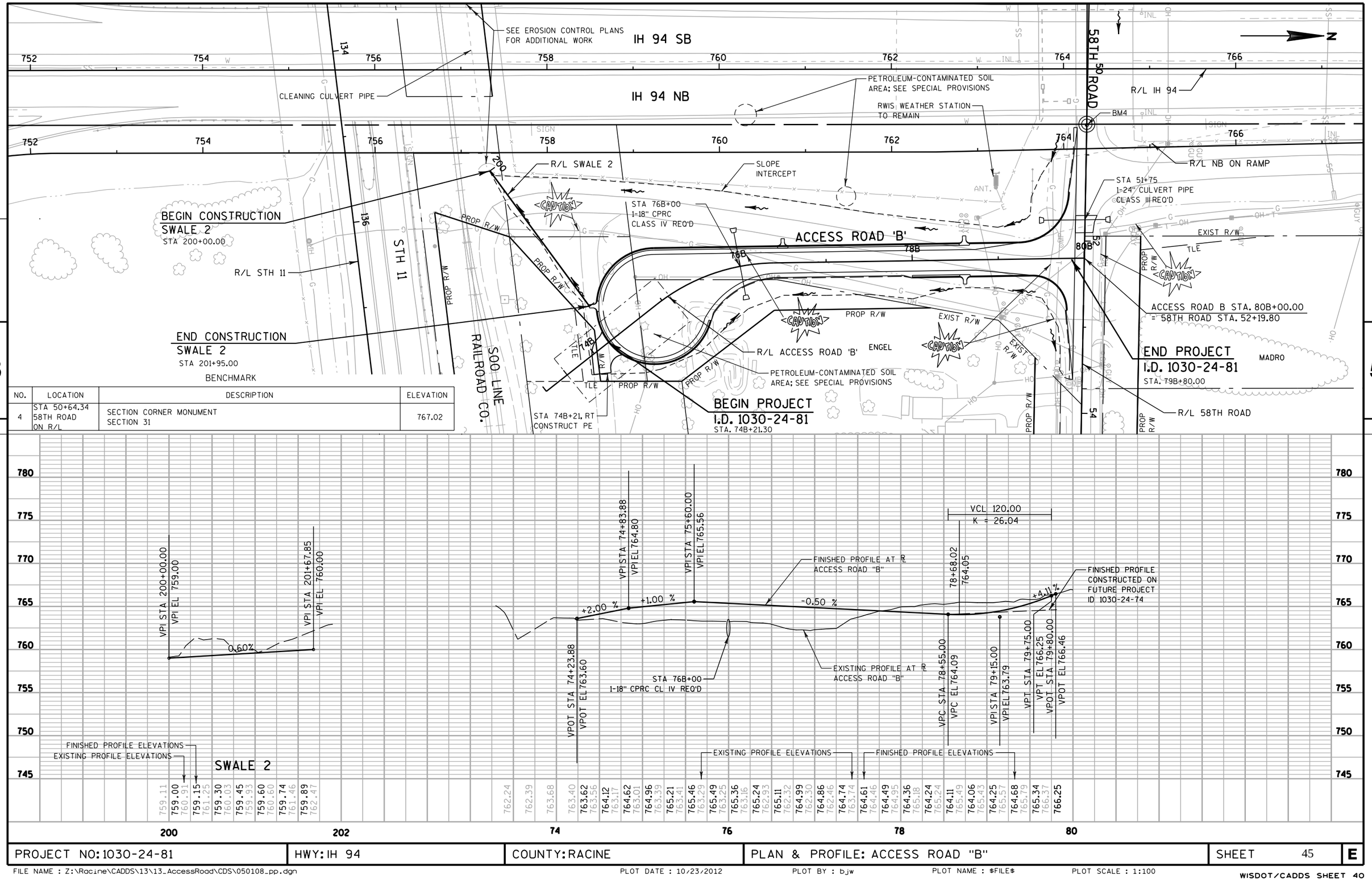
THIS PLAT WAS PREPARED BY OR UNDER THE DIRECTION OF:

DATE: 6-7-2011 — Name: PAUL KRAUSE — Paul Krause

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1030-24-20-4.07
AMENDMENT NO: 1

DOCUMENT # 2288421
RACINE COUNTY REGISTER OF DEEDS
July 07, 2011 7:55 AM
TRACEY L FEICHTNER
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00
Pages: 1
Vol 1 Pg 186

FILE NAME : J:\projects\d2_r_10302494\20\040407A1_rp.dgn PLOT DATE : 06-JUN-2011 13:38 PLOT BY : dotphk PLOT NAME : PLOT SCALE : 100.000000:1.000000
CONST. 1030-24-70 STH 11 R/W 1030-24-20 4.07A1



NO.	LOCATION	DESCRIPTION	ELEVATION
4	STA 50+64.34 58TH ROAD ON R/L	SECTION CORNER MONUMENT SECTION 31	767.02

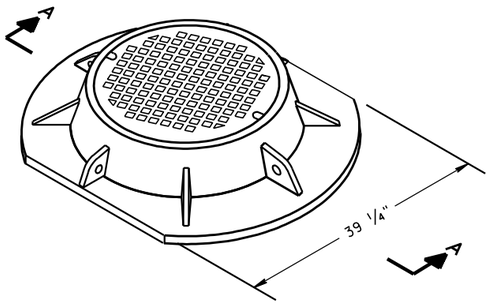
PROJECT NO: 1030-24-81	HWY: IH 94	COUNTY: RACINE	PLAN & PROFILE: ACCESS ROAD "B"	SHEET 45	E

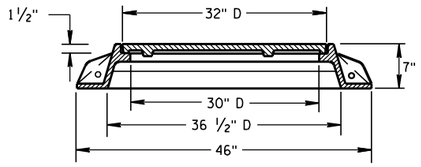
FILE NAME : Z:\Racine\CADDS\13\13_AccessRoad\CDS\050108_pp.dgn PLOT DATE : 10/23/2012 PLOT BY : bjw PLOT NAME : $FILE$ PLOT SCALE : 1:100

WISDOT/CADDS SHEET 40

Standard Detail Drawing List

08A05-18D	INLET COVER, TYPE BW, Z MANHOLE COVERS, TYPE K, J, J-S, L & M
08B09-01	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08D01-17	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D15-04A	EDGEDRAIN OUTLET AND OUTFALL MARKERS
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E14-01	TRACKING PAD
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
08F06-04	REINFORCED CONCRETE APRON ENDWALL FOR PIPE UNDERDRAIN
15A03-01	MARKER POSTS, FLEXIBLE, FOR CULVERT END
15C02-04A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-04B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C04-01	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C12-03	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15C26-02	END-OF-ROADWAY SIGNING
15D28-01	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D29-02	TRAFFIC CONTROL, VEHICLE ENTRANCE/EXIT OR HAUL ROAD
16A01-06	LANDMARK REFERENCE MONUMENTS AND COVERS



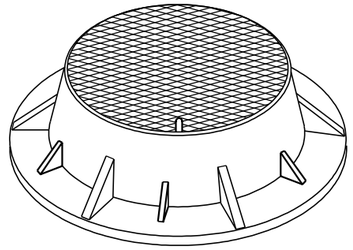


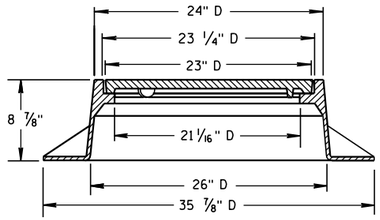
SECTION A-A

TYPE "K"

(APPROXIMATE WEIGHT 439 LBS.)

FRAME.....216 LBS.
LID.....223 LBS.

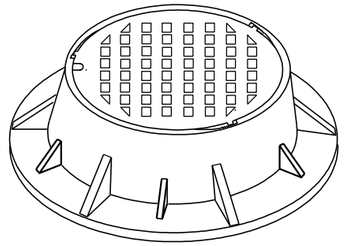


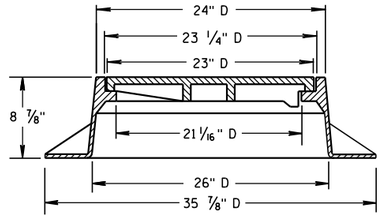


TYPE "J"

(APPROXIMATE WEIGHT 267 LBS.)

FRAME.....152 LBS.
LID.....115 LBS.





TYPE "J" SPECIAL

TYPE "B" NON-ROCKING SELF-SEAL LID

(APPROXIMATE WEIGHT 267 LBS.)

FRAME.....158 LBS.
LID.....109 LBS.

(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)

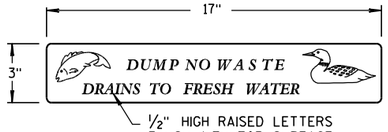
GENERAL NOTES

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

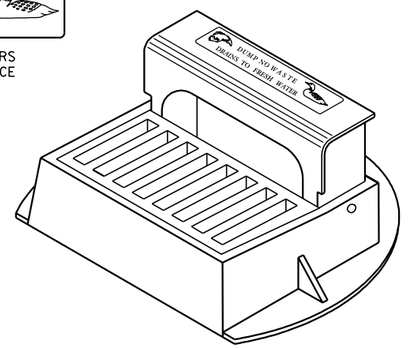
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

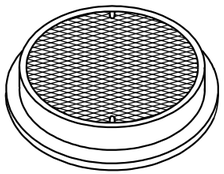
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

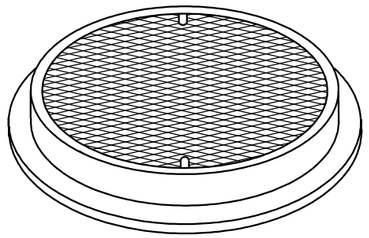
THE ACTUAL WEIGHT OF COVERS MAY VARY WITH 5 PERCENT, PLUS OR MINUS, OF THE APPROXIMATE WEIGHT.

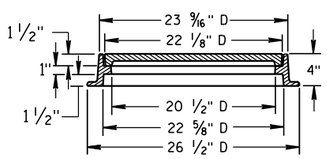


LOGO DETAIL





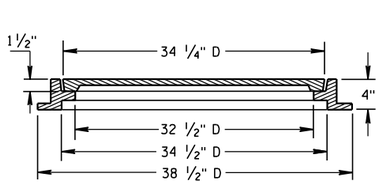




TYPE "L"

(APPROXIMATE WEIGHT 158 LBS.)

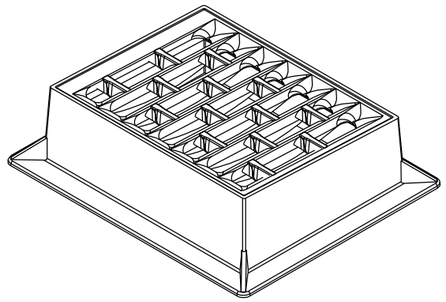
FRAME.....81 LBS.
LID.....77 LBS.

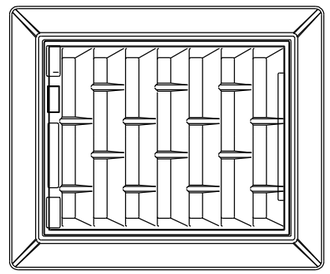


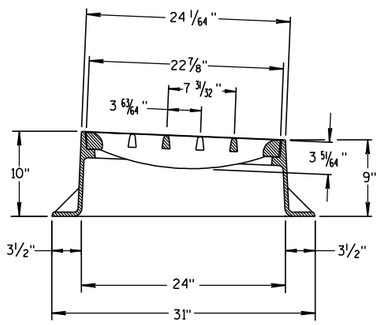
TYPE "M"

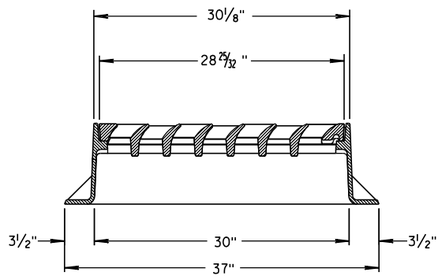
(APPROXIMATE WEIGHT 377 LBS.)

FRAME..... 125 LBS.
LID..... 252 LBS.

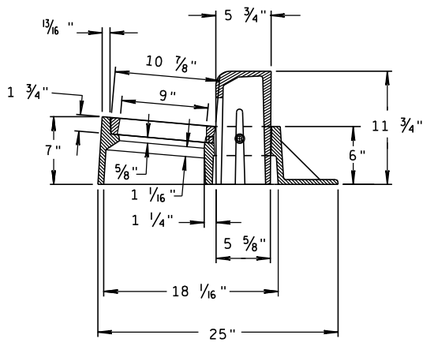








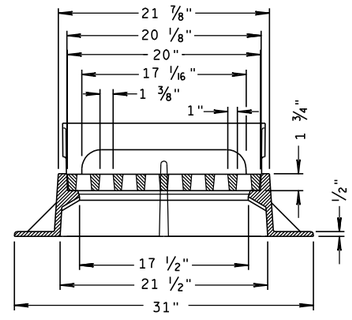
INLET COVER TYPE "BW"



INLET COVER TYPE "Z"

(APPROXIMATE WEIGHT 344 LBS.)

FRAME.....206 LBS.
GRATE..... 46 LBS.
CURB BOX..... 92 LBS.



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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/5/2012
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

FHWA

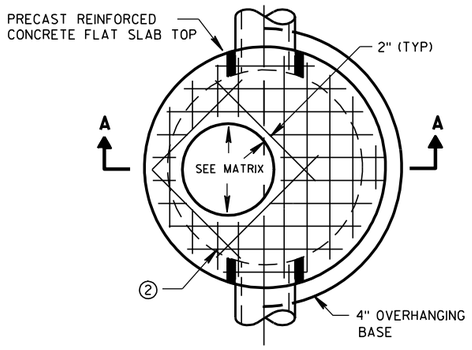
NT

6

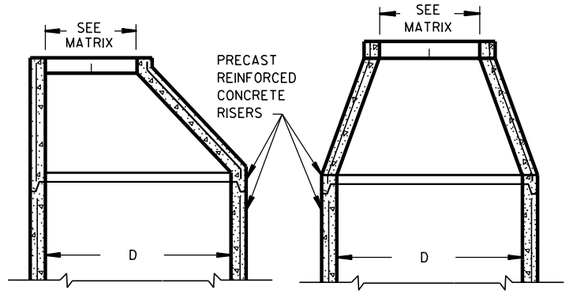
S.D.D. 8 A 5-18d

6

S.D.D. 8 A 5-18d

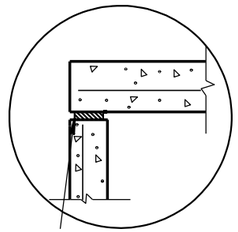


PLAN VIEW CIRCULAR OPENING

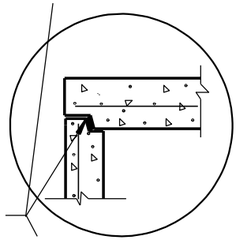


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

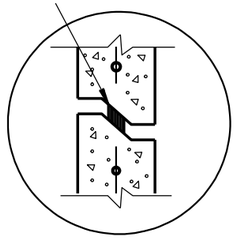


TOP WITH PLAIN END JOINT



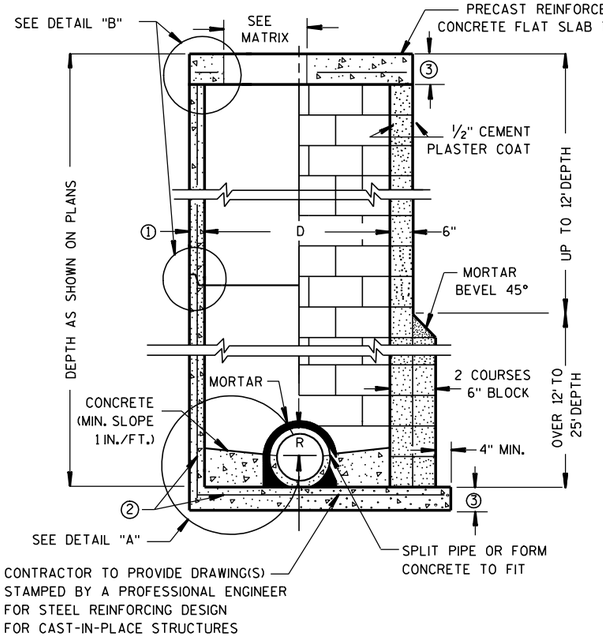
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



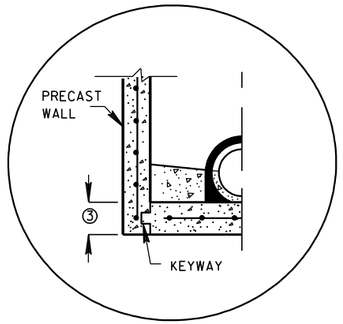
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

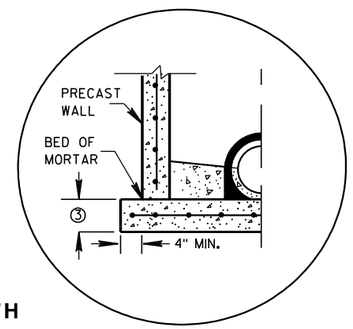


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

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

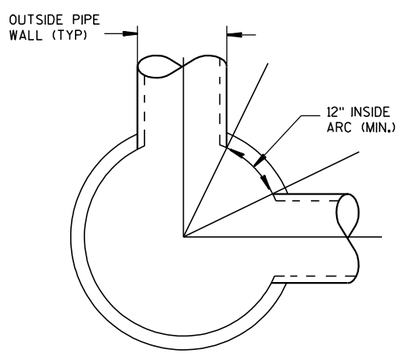


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPERATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"

GENERAL NOTES

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

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

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

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

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

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

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

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

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½" AND MEET THE REQUIREMENTS OF ASTM A615.

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

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

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

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

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

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

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

① MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT, 7 INCHES FOR 6-FT, 8 INCHES FOR 7-FT AND 9 INCHES FOR 8-FT DIAMETER PRECAST MANHOLES.

② FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

③ PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

MANHOLE COVER OPENING MATRIX

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

PIPE MATRIX

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

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/5/2012
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA

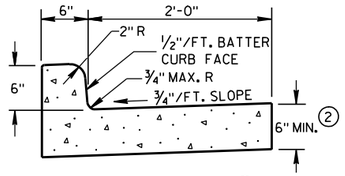
MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

6

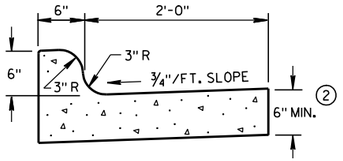
S.D.D. 8 B 9-1

6

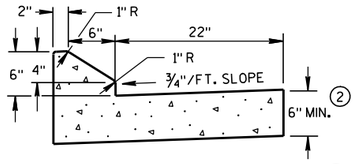
S.D.D. 8 B 9-1



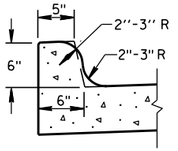
TYPES A & D (1)



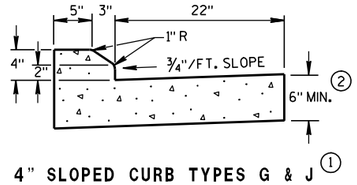
TYPES K & L (1)



6" SLOPED CURB TYPES G & J (1)

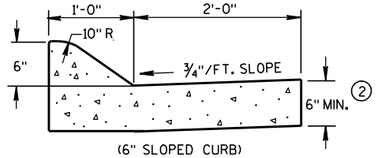


OPTIONAL CURB SHAPE FOR TYPES K & L (1)

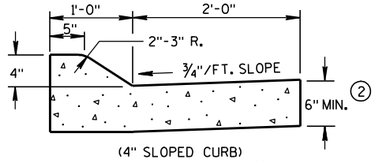


4" SLOPED CURB TYPES G & J (1)

CONCRETE CURB & GUTTER 30"

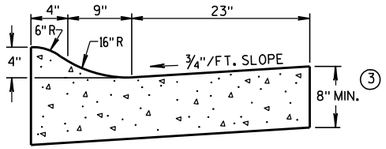


(6" SLOPED CURB)



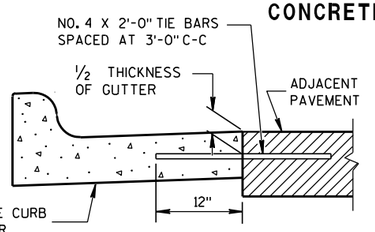
(4" SLOPED CURB)

TYPES A & D (1)



4" SLOPED CURB TYPES R & T (1) (4)

CONCRETE CURB & GUTTER 36"



TYPICAL TIE BAR LOCATION (1)

REVERSE SLOPE GUTTER (5)
(TYPICAL FOR ALL CURB & GUTTER TYPES)

GENERAL NOTES

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

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

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

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

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

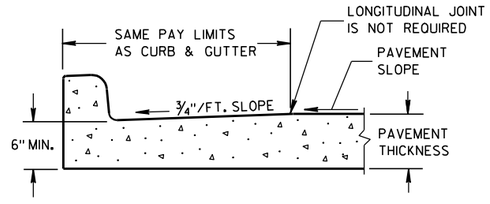
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K AND R.

(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

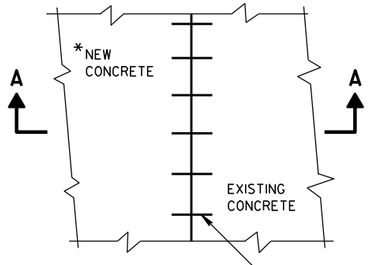
(3) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(4) THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

(5) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.

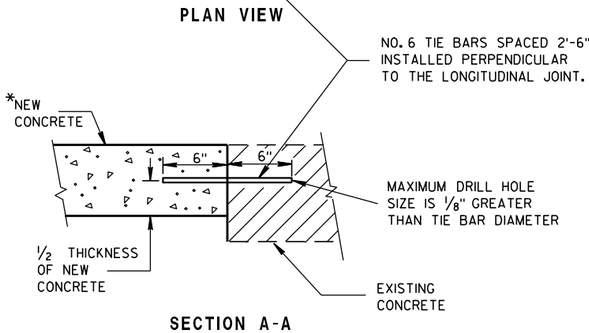


PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB & GUTTER



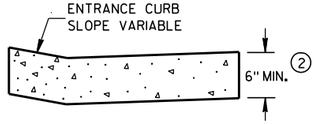
PLAN VIEW

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

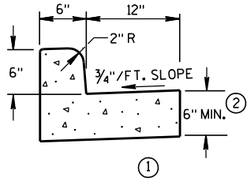


SECTION A-A

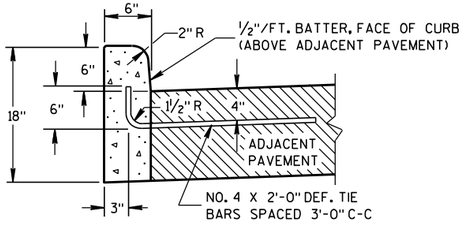
TIE BARS DRILLED INTO EXISTING PAVEMENT



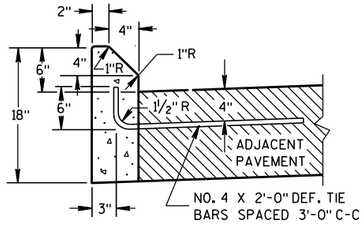
DRIVEWAY ENTRANCE CURB
(WHEN DIRECTED BY THE ENGINEER)



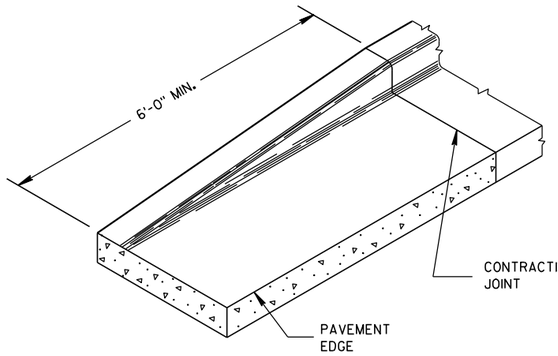
(1)
TYPES A & D
CONCRETE CURB & GUTTER 18"



(1)
TYPES A & D



(1)
TYPES G & J



END SECTION CURB & GUTTER

CONCRETE CURB

CONCRETE CURB, CONCRETE CURB & GUTTER AND TIES

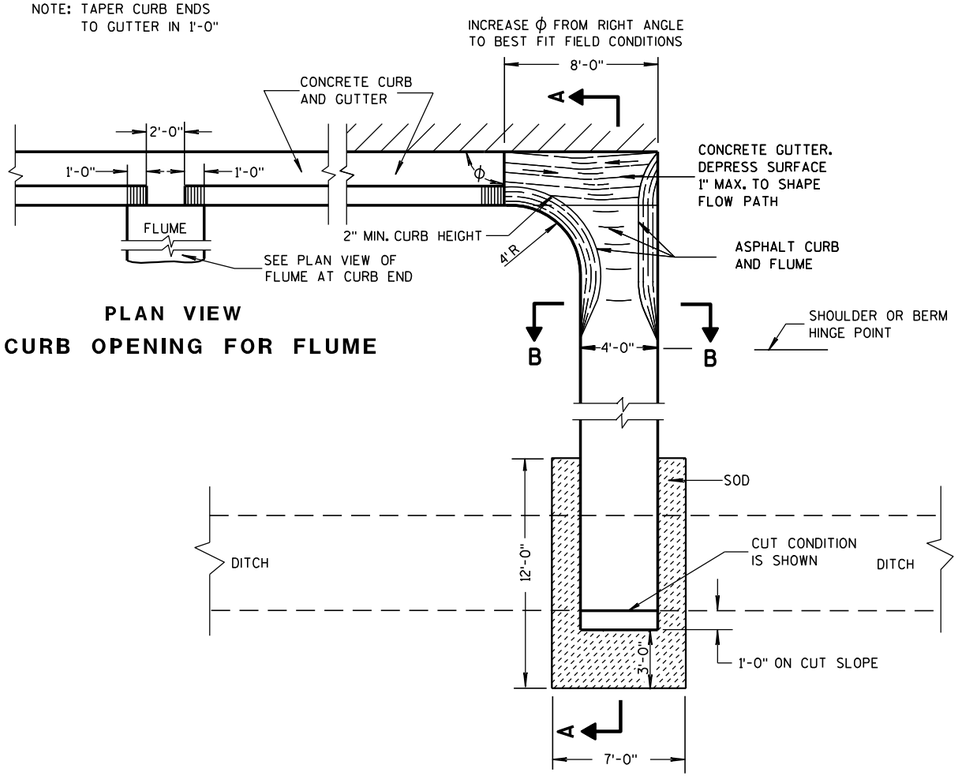
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9/4/08 DATE
/S/ Jerry H. [illegible] ROADWAY STANDARDS ENGINEER
FHWA

6

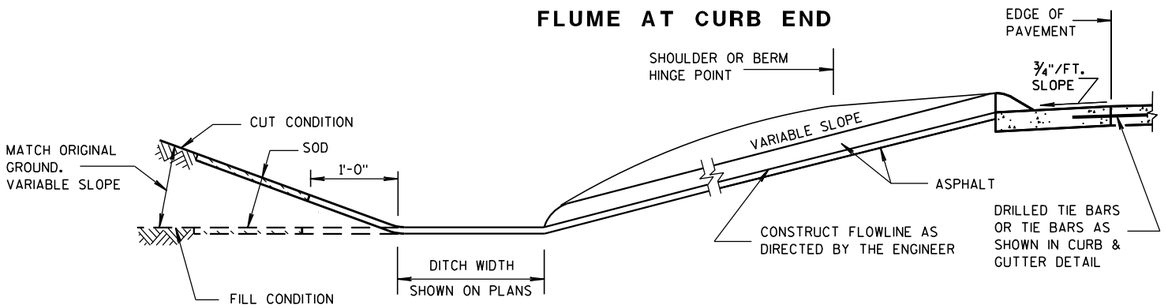
S.D.D. 8 D 1-17

ASPHALTIC FLUME

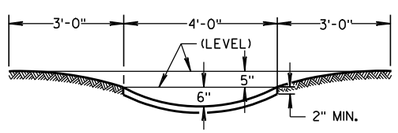


PLAN VIEW
CURB OPENING FOR FLUME

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.

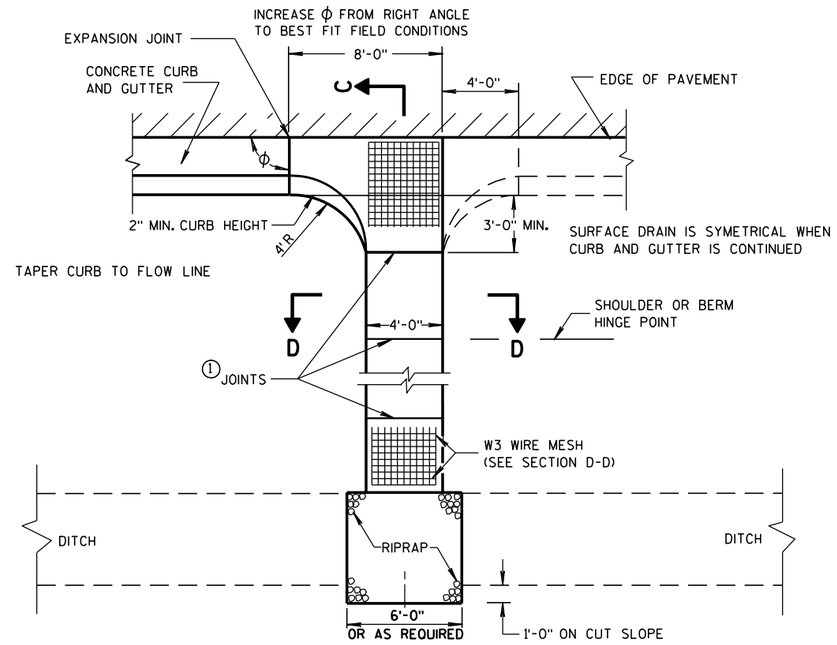
WELDED STEEL WIRE FABRIC SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

① JOINTS SHALL BE ⅛ TO ¼ INCH WIDE BY 1½ INCHES DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.

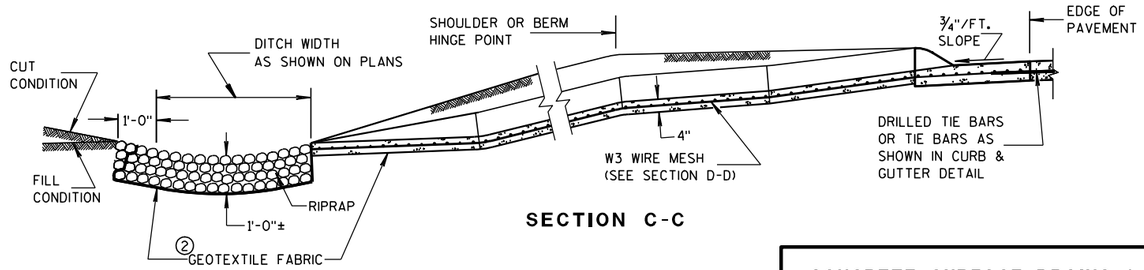
② GEOTEXTILE FABRIC TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.

③ CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED

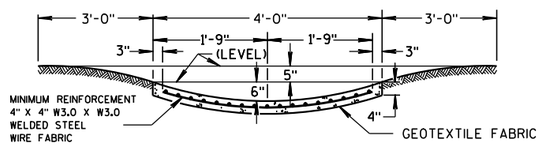
③ CONCRETE SURFACE DRAIN



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 ENGINEER
MENT
FHWA

6
S.D.D. 8 D 4-5

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) UNPERFORATED PIPE UNDERDRAIN AND FITTINGS FURNISHED FOR OUTFALL PIPE SHALL MEET THE REQUIREMENTS OF ONE OF THE FOLLOWING SPECIFICATIONS:

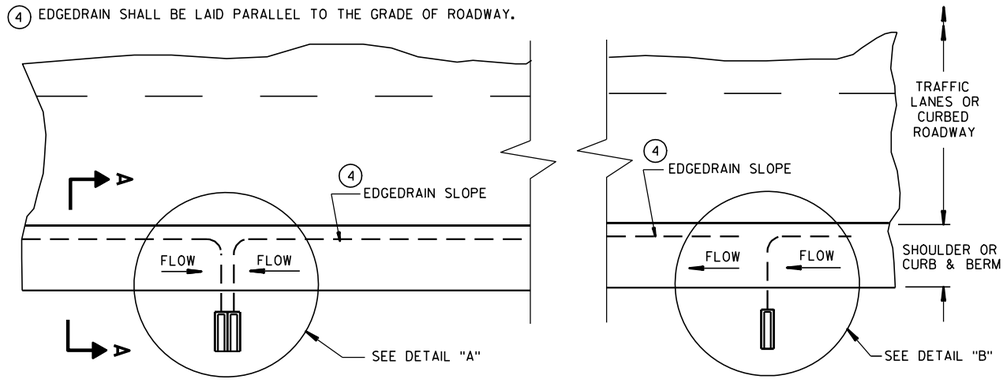
POLYVINYL CHLORIDE (PVC) PLASTIC DRAIN, WASTE, AND VENT PIPE AND FITTINGS, ASTM D 2665, SCHEDULE 40 PVC.

TYPE PSM POLYVINYL CHLORIDE (PVC) SEWER PIPE AND FITTINGS, ASTM D 3034, SDR 23.5 PVC SEWER PIPE.

(2) MAXIMUM SPACING OF EDGEDRAIN OUTLETS SHALL BE 250 FEET UNLESS OTHERWISE SPECIFIED IN THE CONTRACT OR DIRECTED BY THE ENGINEER.

(3) EDGEDRAIN SHALL BE CONNECTED TO INLETS REGARDLESS OF FLOW DIRECTION FOR DRAINAGE AND MAINTENANCE ACCESS.

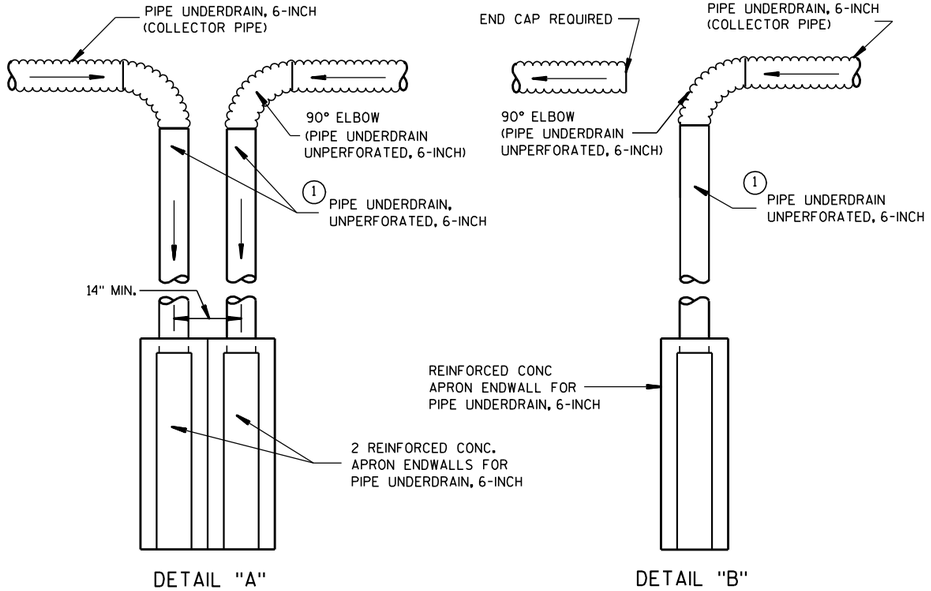
(4) EDGEDRAIN SHALL BE LAID PARALLEL TO THE GRADE OF ROADWAY.



PLAN VIEW

ROADWAY WITH SHOULDERS OR CURBS

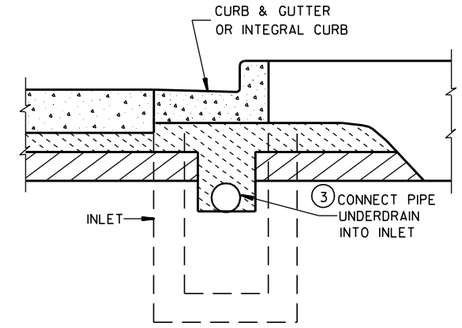
(EDGEDRAIN OUTLETS TO ROADSIDE) (2)



DETAIL "A"
TO BE USED AT LOW POINT LOCATIONS

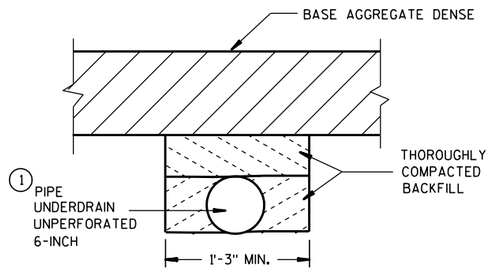
DETAIL "B"
TO BE USED AT INTERMEDIATE LOCATIONS

TYPICAL DRAIN OUT DETAILS



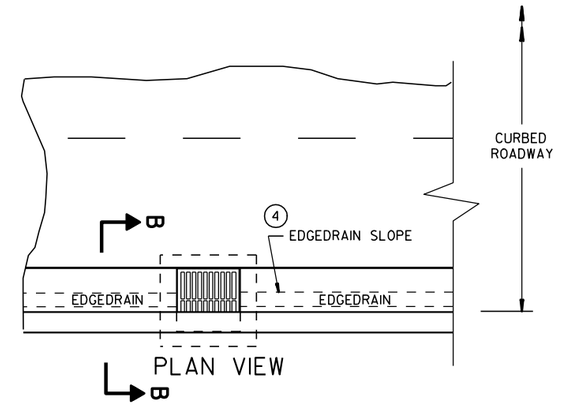
SECTION B-B

URBAN CROSS SECTION



SECTION C-C

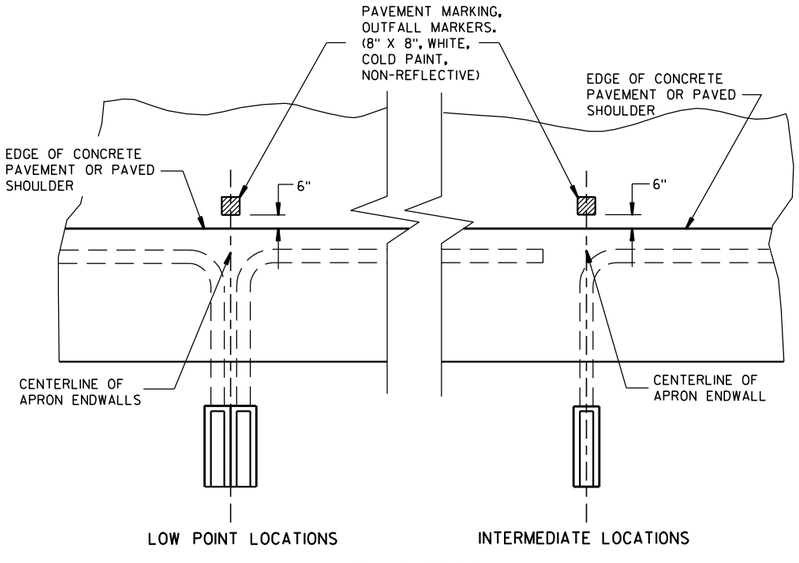
(TRENCH FOR OUTFALL PIPE)



PLAN VIEW

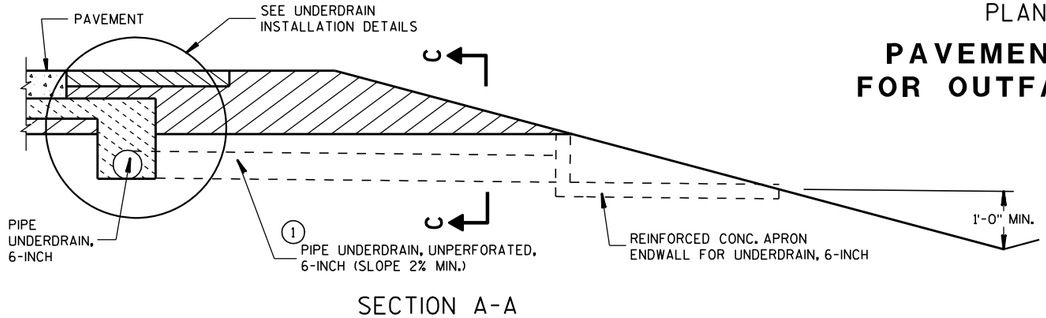
ROADWAY WITH CURBS

(EDGEDRAIN CONNECTS INTO INLET STRUCTURE)



PLAN VIEW

PAVEMENT MARKING FOR OUTFALL MARKERS

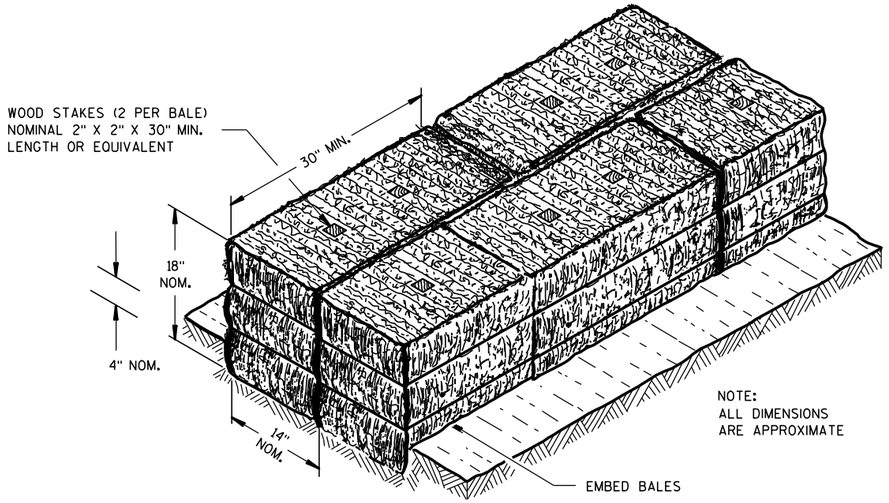


SECTION A-A

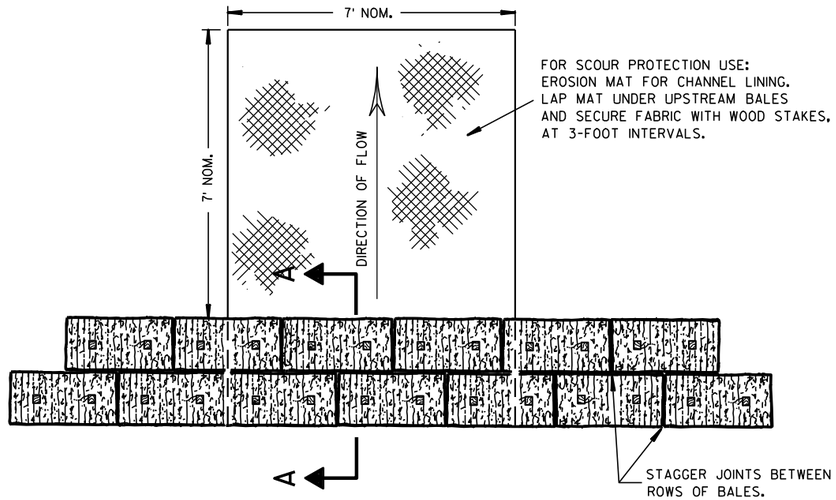
RURAL CROSS SECTION

EDGEDRAIN OUTLET AND OUTFALL MARKERS

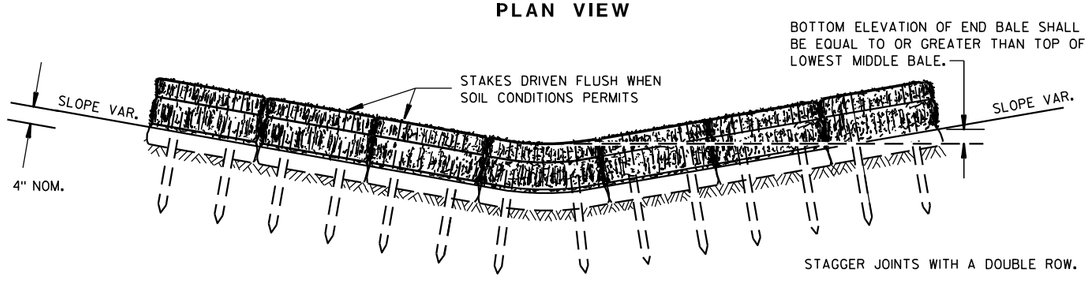
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



SECTION A-A



PLAN VIEW



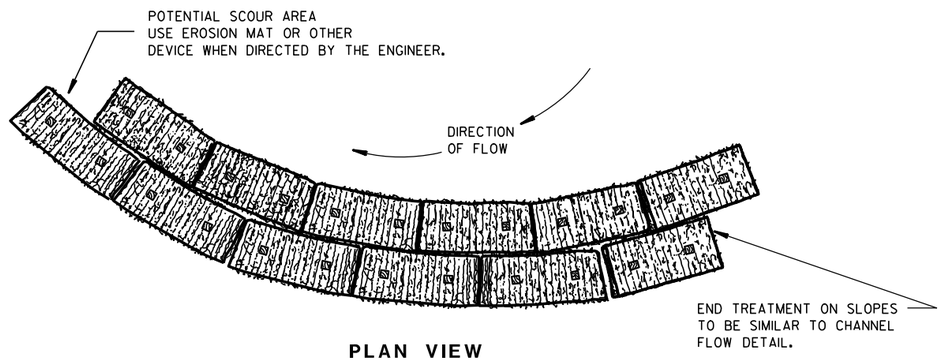
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

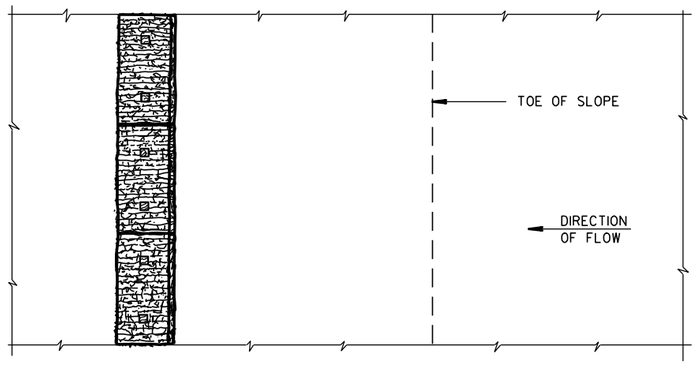
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(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.

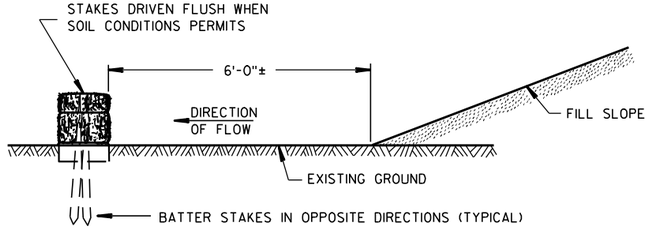


PLAN VIEW

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

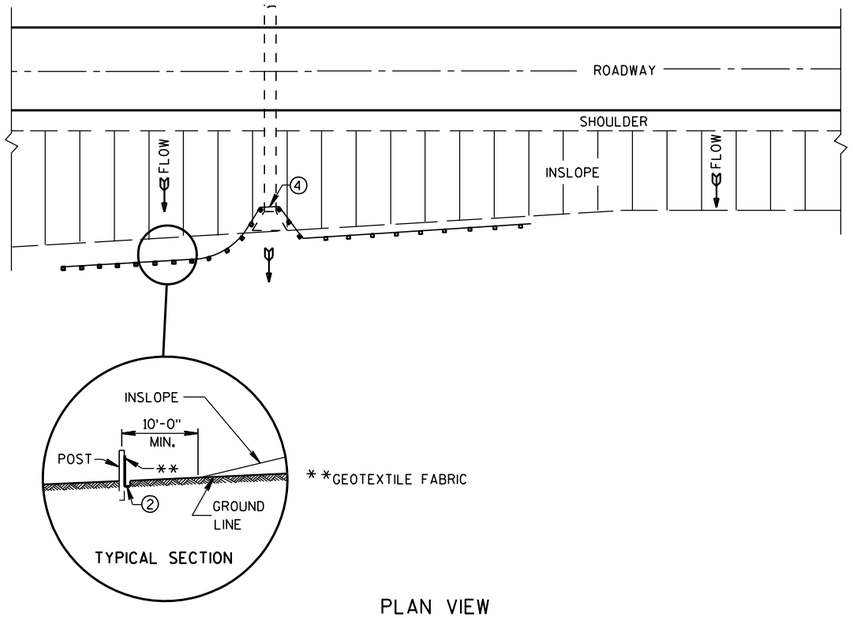
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/04/02 — DATE

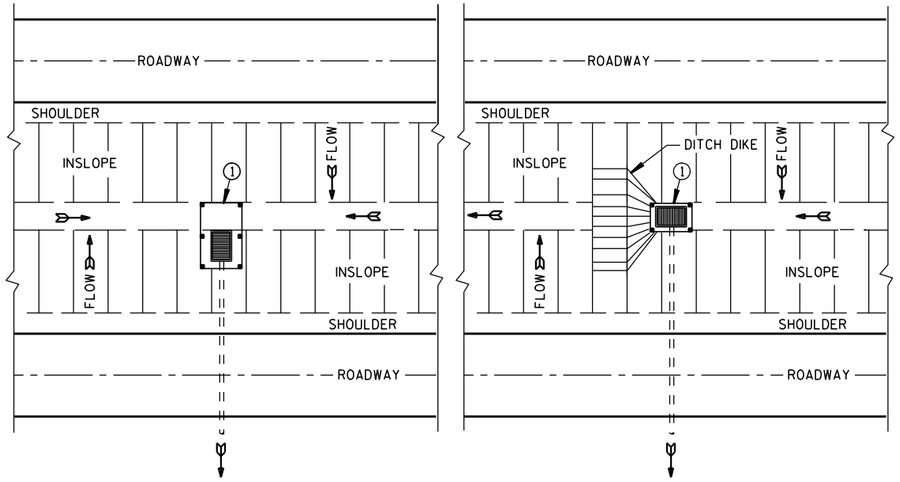
/S/ Beth Cannestra — CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA



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.

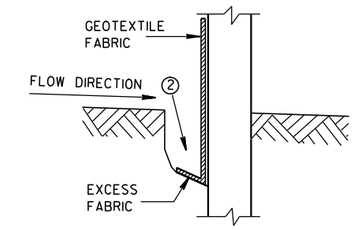
① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

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.

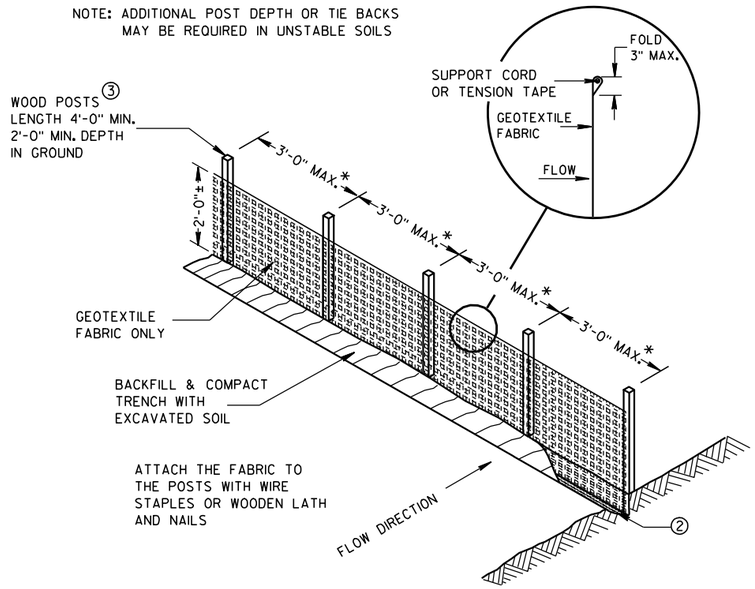
③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

④ SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.

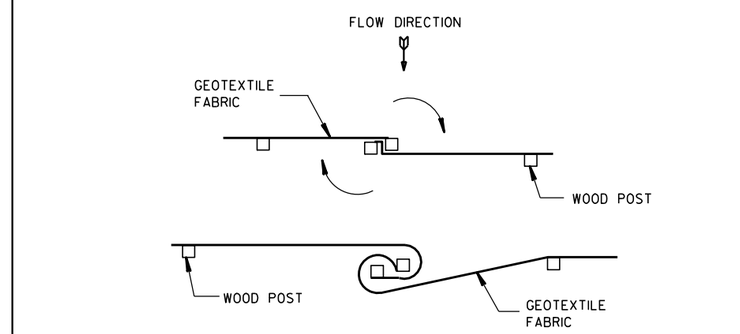
⑤ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



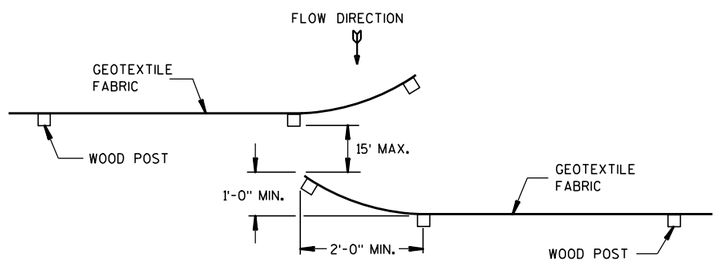
TRENCH DETAIL



SILT FENCE

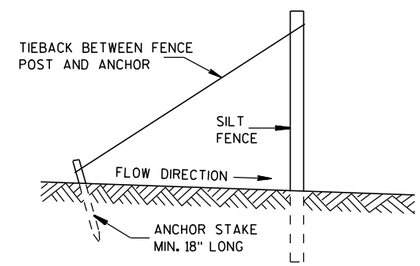


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE ⑤



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

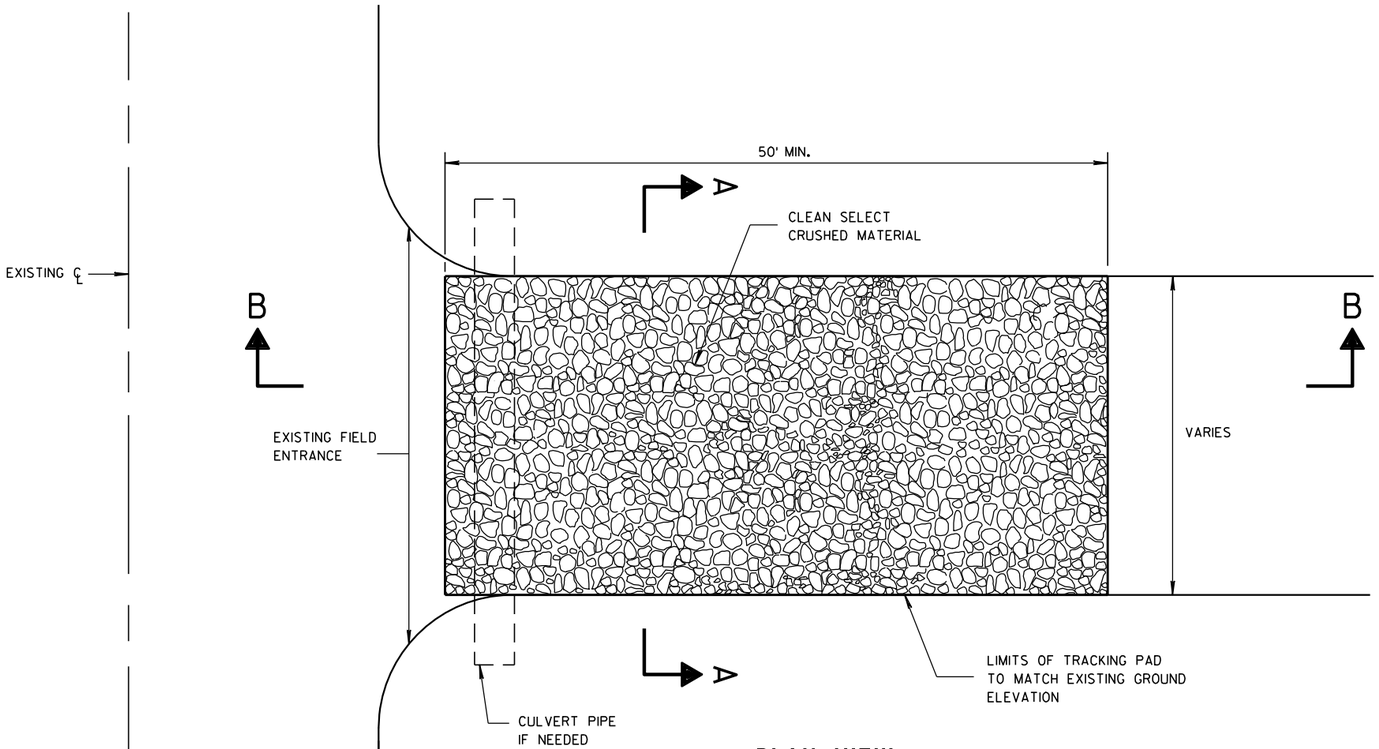
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

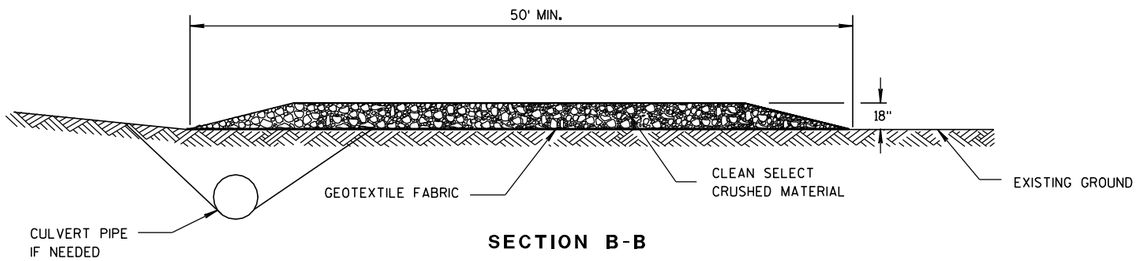
S.D.D. 8 E 9-6

6

S.D.D. 8 E 9-6



PLAN VIEW



SECTION B-B

GENERAL NOTES

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

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

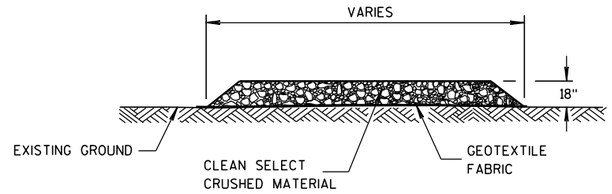
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

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

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

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

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



SECTION A-A

TRACKING PAD

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

3/24/2011	/S/ Jerry H. Zona	
DATE	ROADWAY STANDARDS ENGINEER	ENT

FHWA

6

S.D.D. 8 E 14-1

METAL APRON ENDWALLS

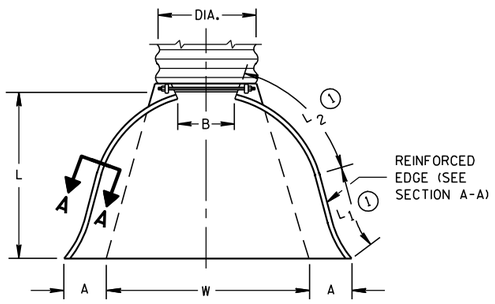
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.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	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

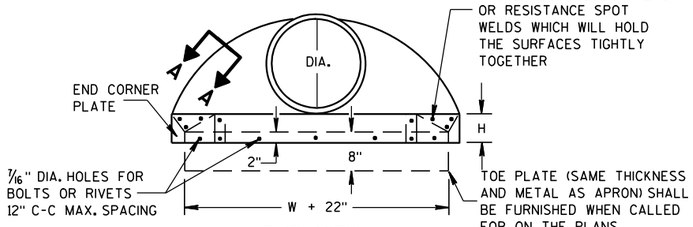
REINFORCED CONCRETE APRON ENDWALLS

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

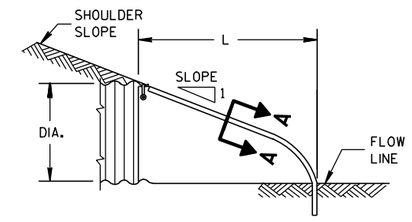
*MINIMUM
**MAXIMUM



PLAN VIEW

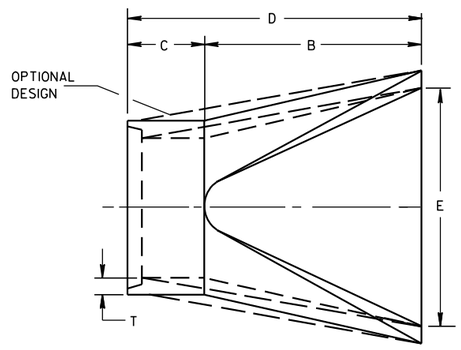


END VIEW

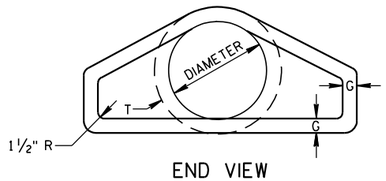


SIDE ELEVATION

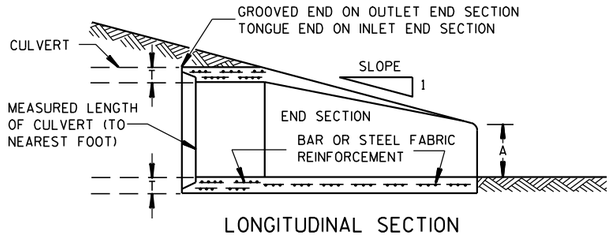
METAL ENDWALLS



PLAN

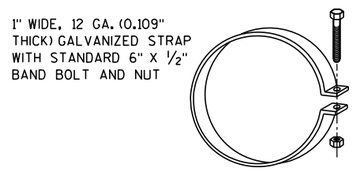


END VIEW



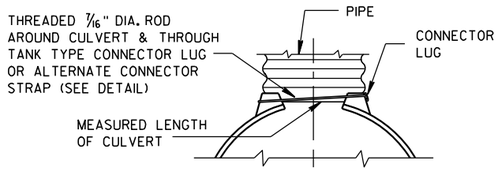
LONGITUDINAL SECTION

CONCRETE ENDWALLS

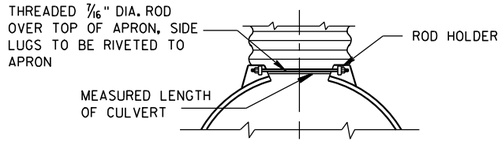


ALTERNATE FOR TYPE 1 CONNECTION

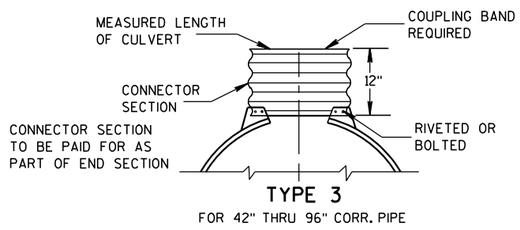
END SECTION CONNECTOR STRAP



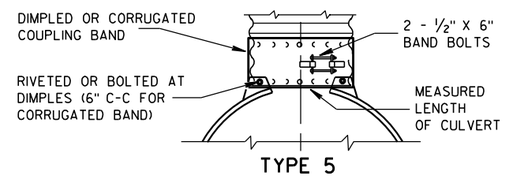
TYPE 1
FOR 12" THRU 24" CORR. PIPE



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

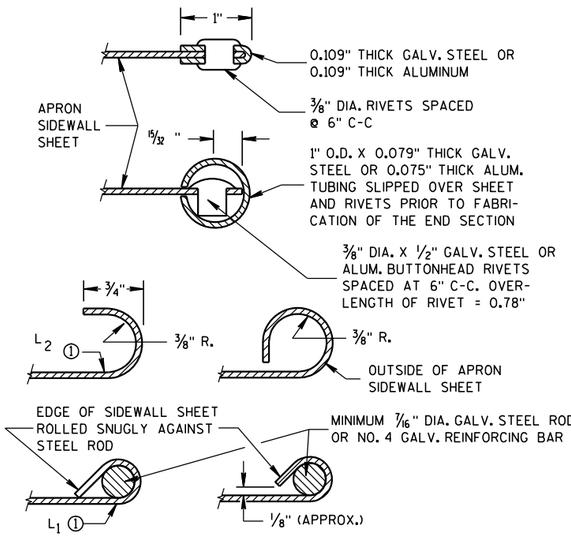
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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.

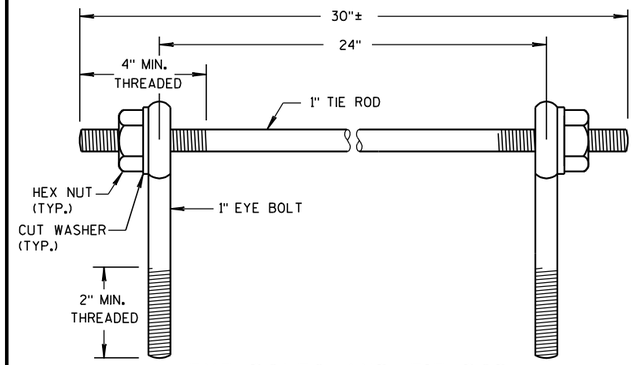
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

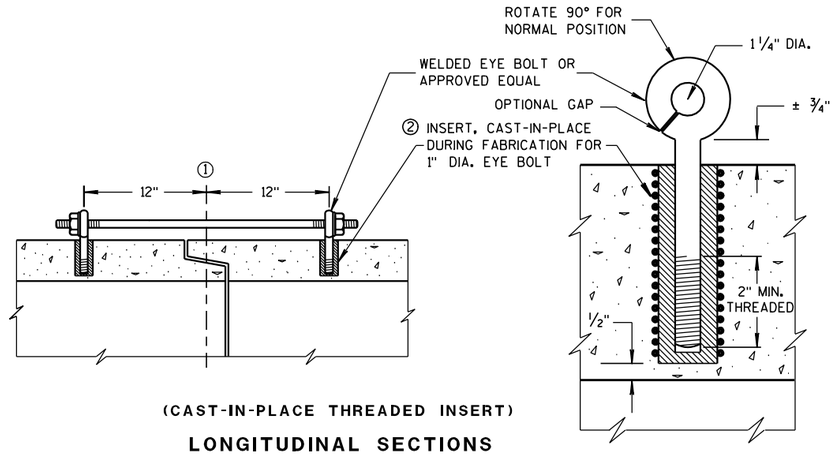
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
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

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 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 APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND 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 THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

① ℄ OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

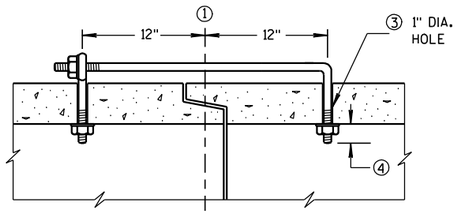
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

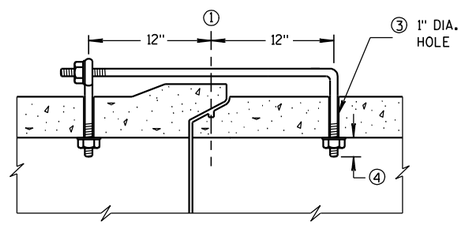
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

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.



(TONGUE & GROOVE PIPE)

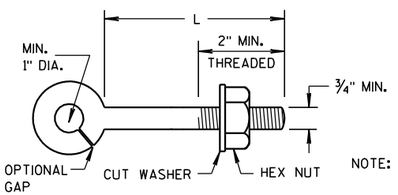


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

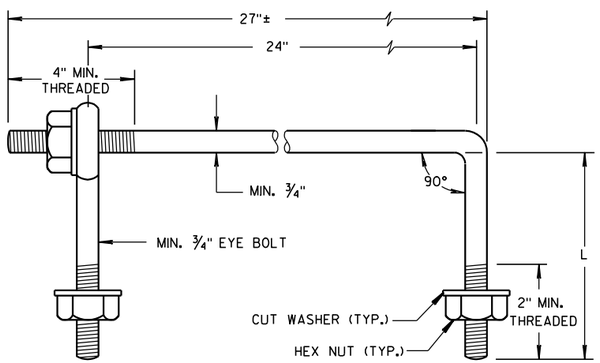
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



NOTE:

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

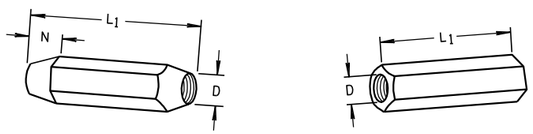
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

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

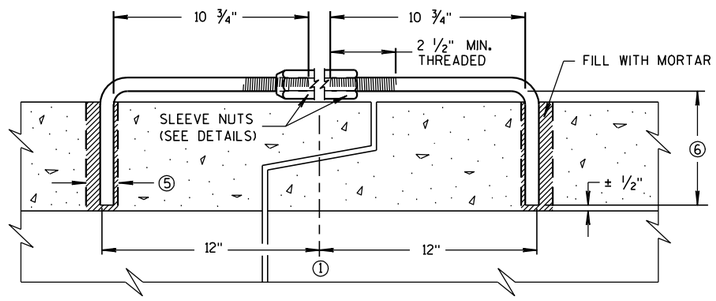
DIMENSIONS SHOWN ARE IN INCHES



TAPERED PLAIN

RIGHT AND LEFT THREADS

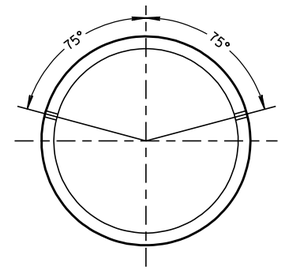
SLEEVE NUTS



LONGITUDINAL SECTION

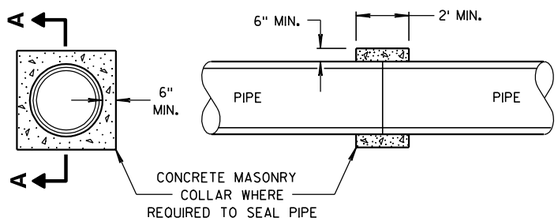
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A-A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

6

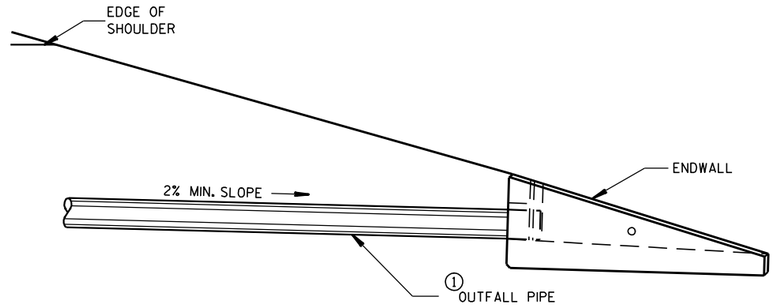
S.D.D. 8 F 4-7

6

S.D.D. 8 F 4-7

DIMENSIONS IN INCHES											
PIPE DIA.	A	B	C	D	E	F	G	H	J	L	Z
**4	6	12	5 1/4	9	8	32	36	11	2 3/8	6 1/2	4
6	8	14	7 1/4	11	10	42	44	13	3 5/8	8 1/2	6

**APRON ENDWALL FOR 6 INCH DIAMETER PIPE MAY BE SUBSTITUTED FOR THIS SIZE PROVIDED THE HOLE IN THE HEADWALL IS SIZED AND LOCATED TO CONFORM TO THE 4 INCH DIAMETER PIPE DIMENSIONS (C & J)



INSTALLATION DETAIL

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.

ALTERNATIVE DESIGNS WHICH PROVIDE EQUIVALENT CAPACITY AND STRENGTH MAY BE USED WHEN APPROVED BY THE ENGINEER. ENDWALL MAY BE EITHER PRECAST OR CAST-IN-PLACE CONCRETE.

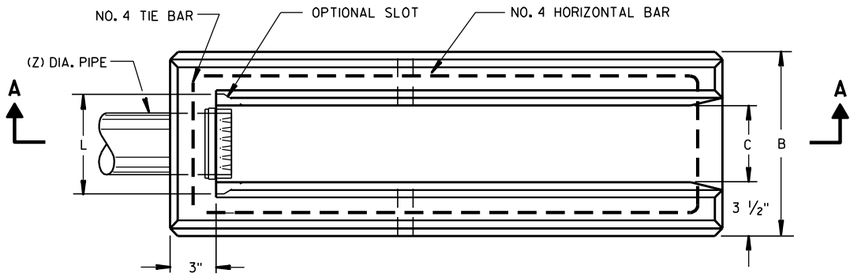
THE UNDERDRAIN PIPE SHALL BE FULLY INSERTED AND SEALED INTO THE ENDWALL WITH CEMENT MORTAR PRIOR TO BACKFILLING AROUND THE STRUCTURE.

THE UPPERMOST POINT OF THE ENDWALL SHALL BE PLACED FLUSH WITH THE ROADWAY SLOPE. ADJACENT EMBANKMENT SLOPES SHALL BE SHAPED TO FIT THE SIDES AND TOE OF THE ENDWALL. EXACT PLACEMENT OF THE OUTFALL PIPE AND ENDWALL SHALL BE DETERMINED BY THE ENGINEER TO MATCH THE ELEVATIONS AND FLOW DIRECTION OF THE ROADSIDE DITCH.

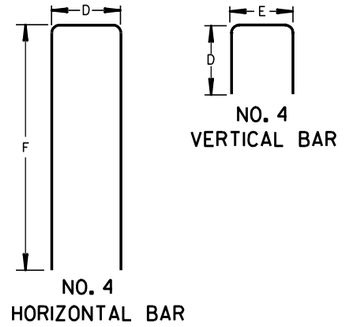
① THE OUTFALL PIPE UNDERDRAIN AND FITTINGS SHALL CONFORM TO THE REQUIREMENTS OF THE SPECIFICATION FOR POLY (VINYL CHORIDE) (PVC) PLASTIC DRAIN, WASTE AND VENT PIPE AND FITTINGS, ASTM DESIGNATION: D 2665, SCHEDULE 40 PVC OR THE STANDARD SPECIFICATION FOR TYPE PSM POLY (VINYL CHORIDE) (PVC) SEWER PIPE AND FITTINGS, ASTM DESIGNATION: D 3034, TYPE PSM SDR 23.5 PVC SEWER PIPE, ALL JOINTS SHALL BE SOLVENT WELDED.

THE OUTFALL PIPE INCLUDING ALL FITTINGS AND THE RODENT SHIELD SHALL BE MEASURED AND PAID FOR AS PIPE UNDERDRAIN UNPERFORATED.

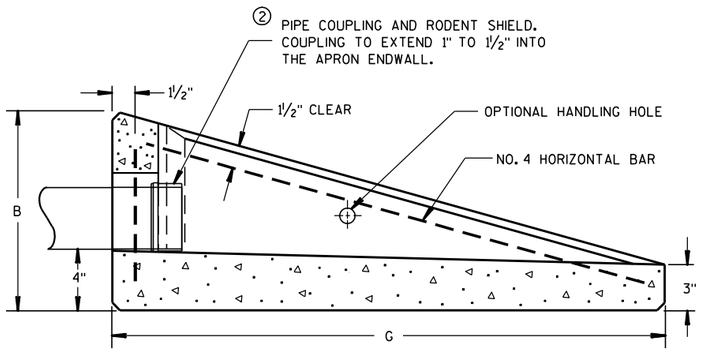
② THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE OUTFALL PIPE. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.



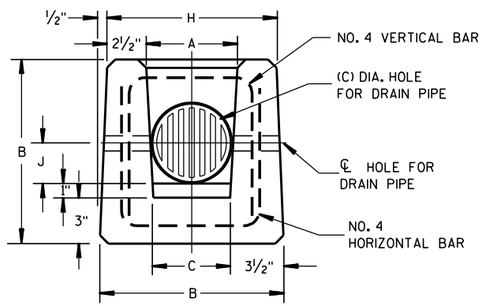
PLAN VIEW



BAR STEEL REINFORCEMENT DETAILS

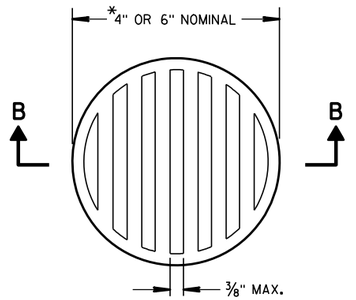


SECTION A-A

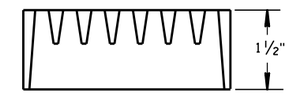


END VIEW

CONCRETE APRON ENDWALL FOR UNDERDRAIN



NOTE: ORIENT SHIELD SO SLOTS ARE VERTICAL.



SECTION B-B

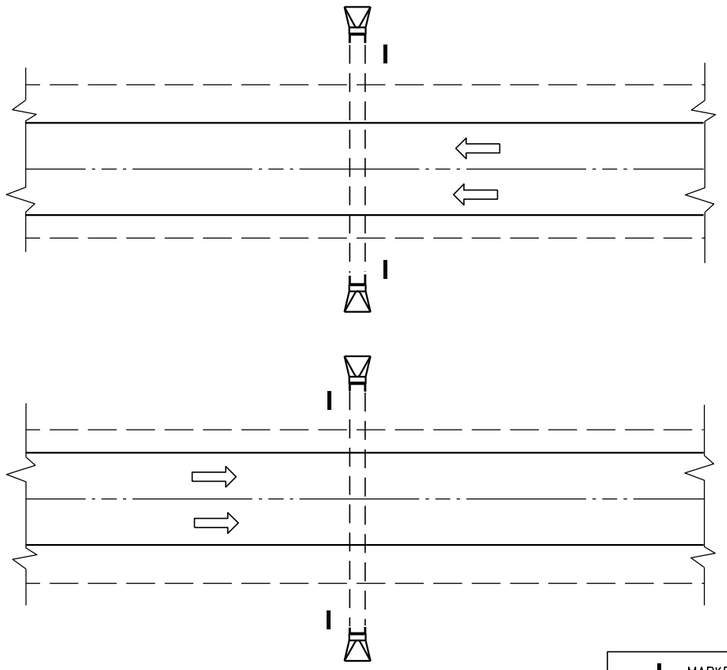
② RODENT SHIELD

*NOTE: DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING.

REINFORCED CONCRETE APRON ENDWALL FOR PIPE UNDERDRAIN

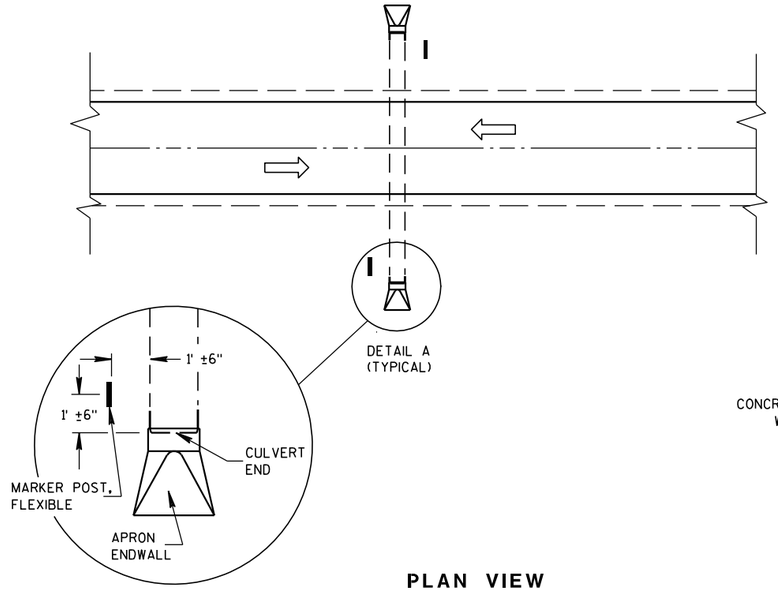
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/10/98 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

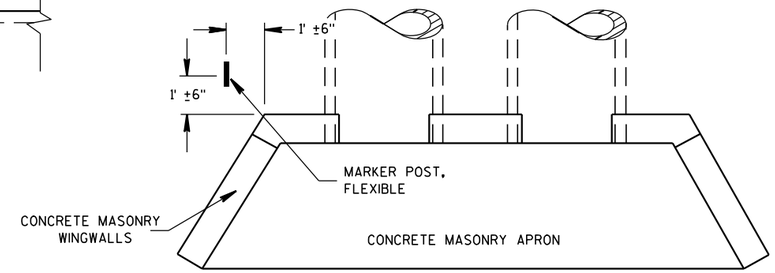
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

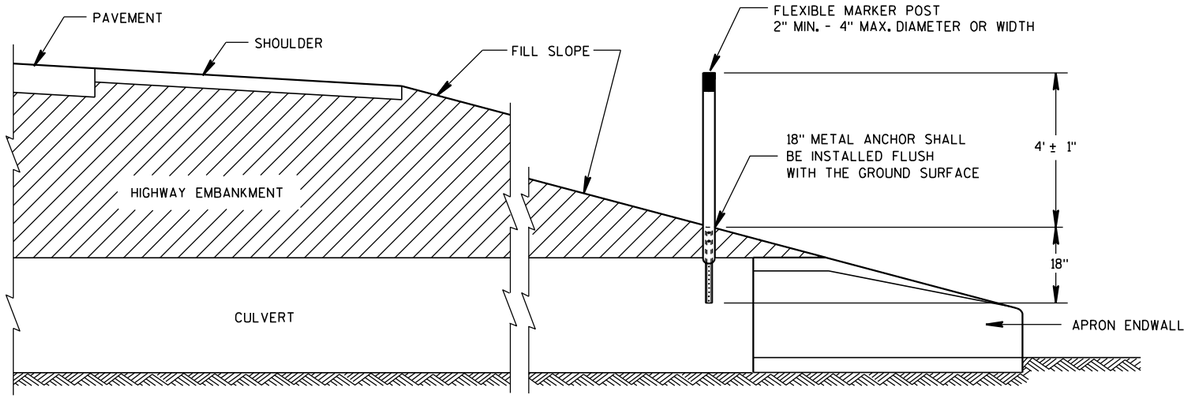
GENERAL NOTES

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

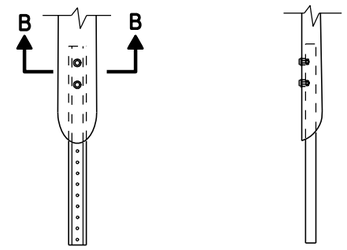
CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH



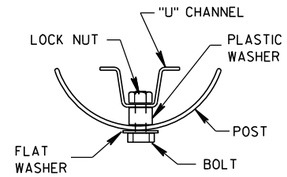
CROSS SECTION

FLEXIBLE MARKER POST

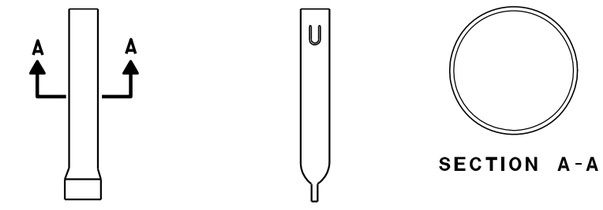
FLEXIBLE MARKER POST LOCATION



FRONT VIEW SIDE VIEW
CURVED MARKER



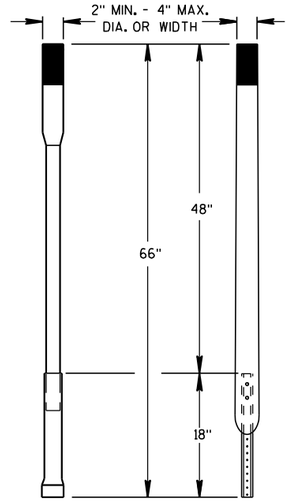
SECTION B-B



FRONT VIEW SIDE VIEW
ROUND MARKER

SECTION A-A

FLEXIBLE MARKER POST ANCHORS



ALTERNATE 1 ALTERNATE 2

FLEXIBLE MARKER POST

MARKER POST, FLEXIBLE, FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

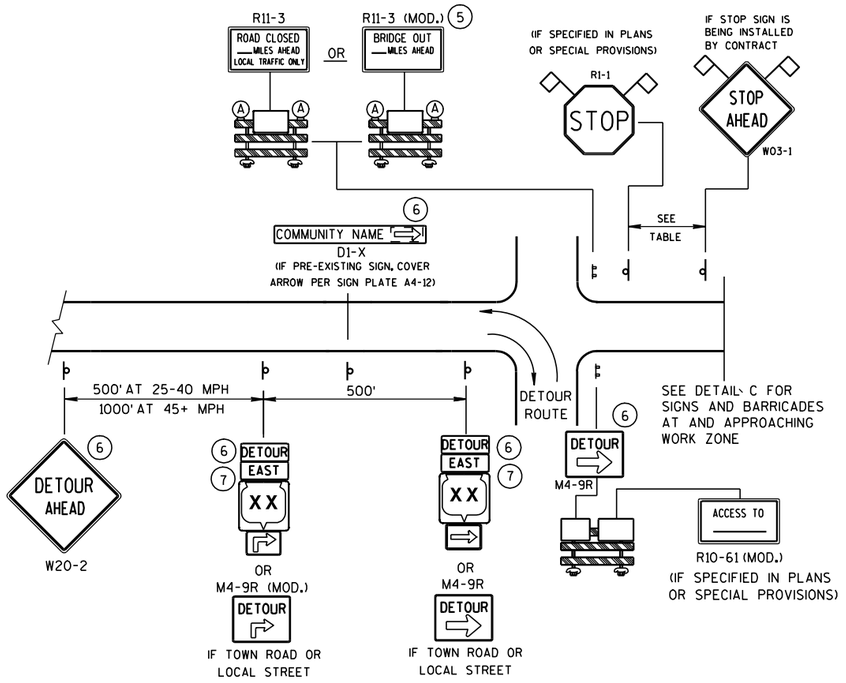
10/1/98
DATE

/S/ Rory L. Rhinesmith
CHEIF ROADWAY DEVELOP ENGINEER

FHWA

6

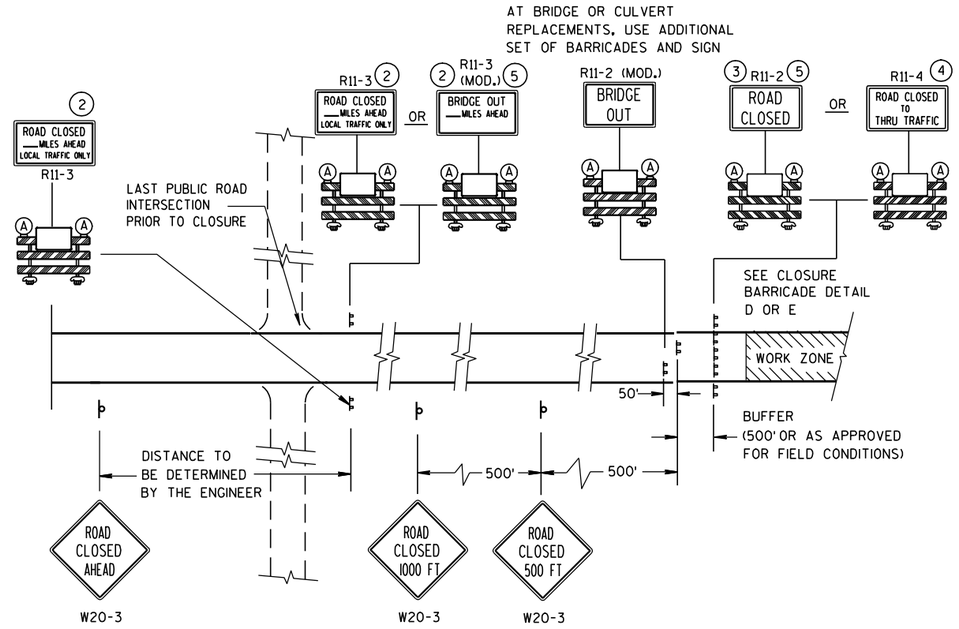
S.D.D. 15 A 3-1



DETAIL A

MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

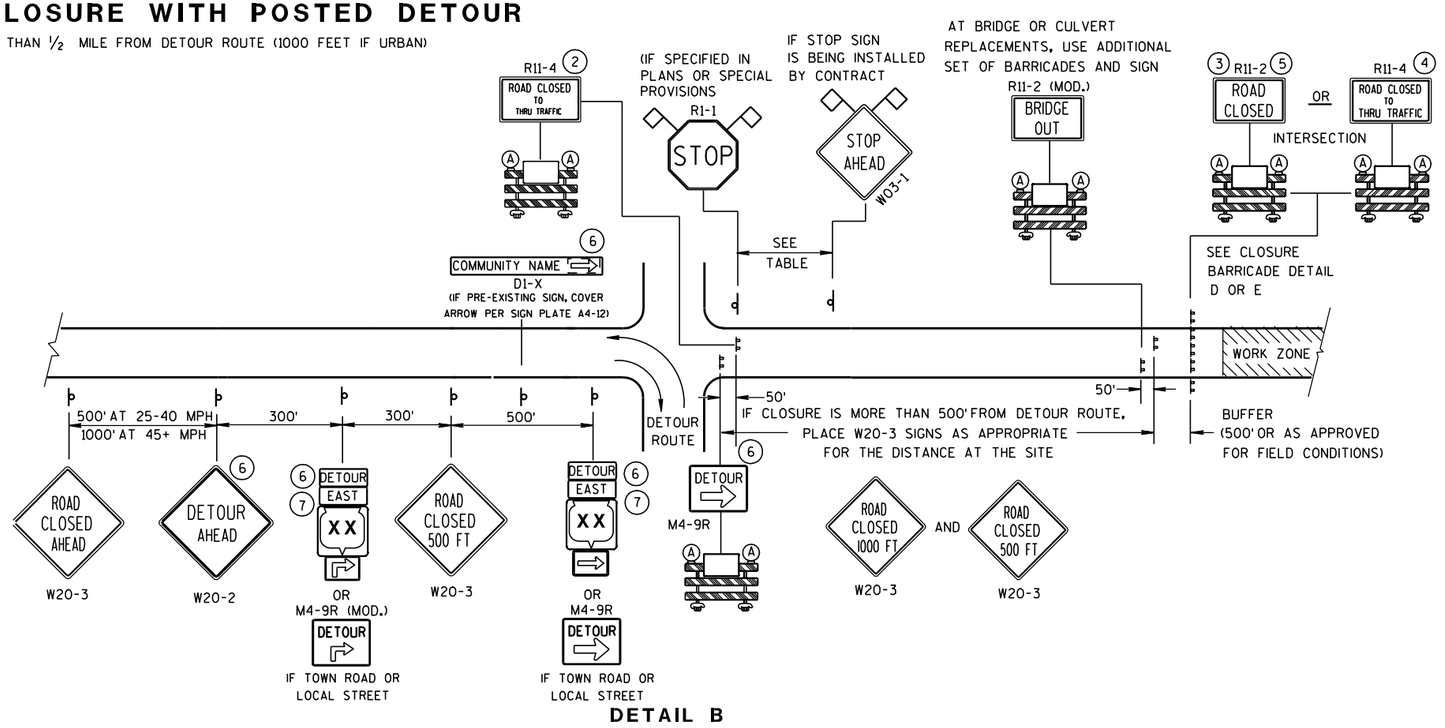


DETAIL C

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

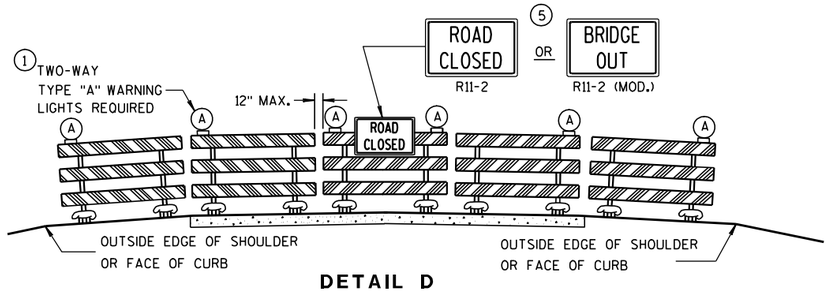
- POST MOUNTED SIGN
- TYPE III BARRICADES
- (A) TYPE "A" LOW INTENSITY FLASHING WARNING LIGHT (FOR NIGHT USE)
- WORK ZONE
- DETOUR / EAST — M4-8 / M3-X
- XX — M1-4; COUNTY XX — M1-5A; XX — M1-6
- M05-1; M06-1
- FLAGS, 16" X 16" MIN., (ORANGE)

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

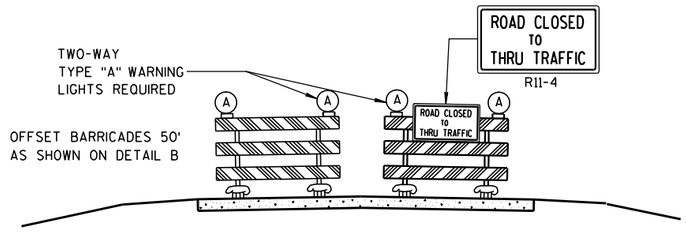
S.D.D. 15 C 2-4a



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

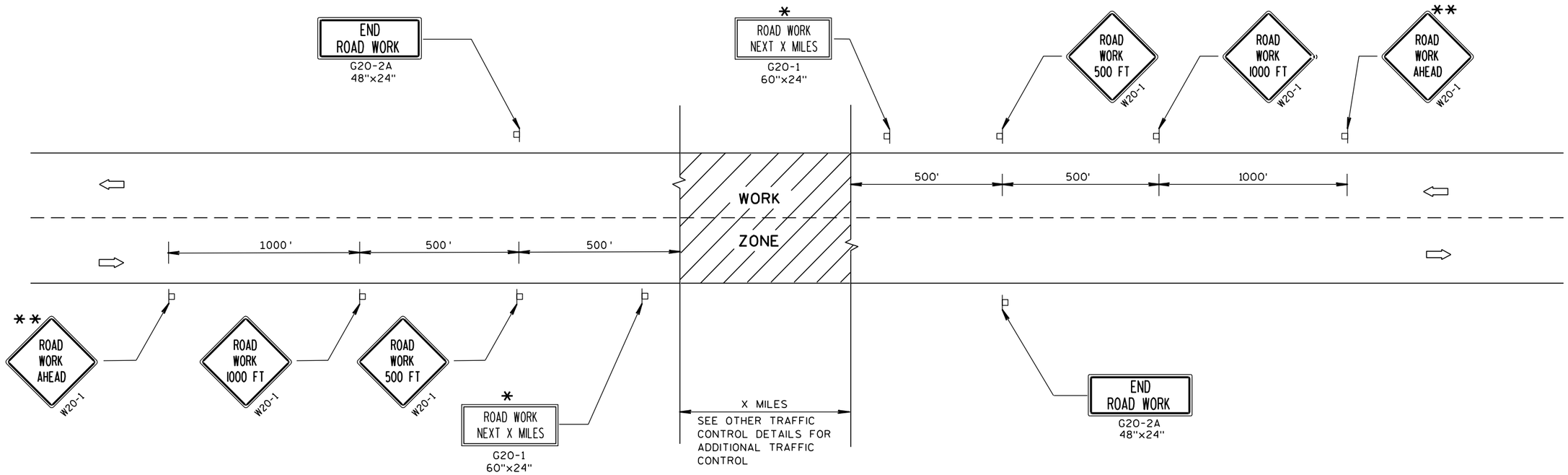
9/16/03
DATE

/S/ Thomas N. N[illegible]
CHIEF SIGNS AND MARKINGS ENGINEER

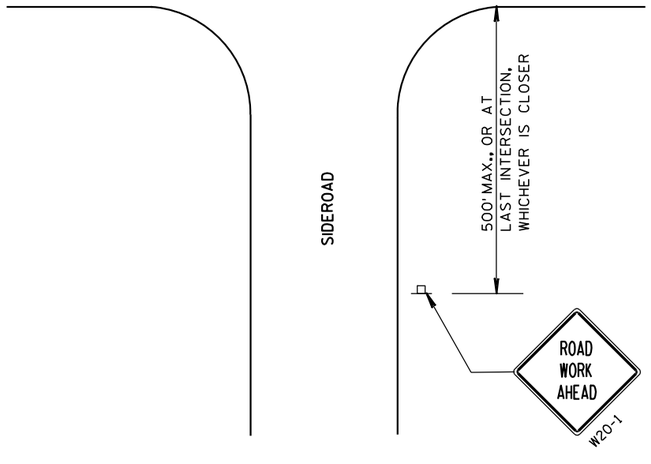
FHWA

6

S.D.D. 15 C 2-4b



TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL



GENERAL NOTES

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A 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.

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 — /S/ Chester J. [illegible] CHIEF SIGNS AND MARKING ENGINEER

FHWA

6

S.D.D. 15 C 4-1

TWO-LANE ROADWAY

SYMBOLS

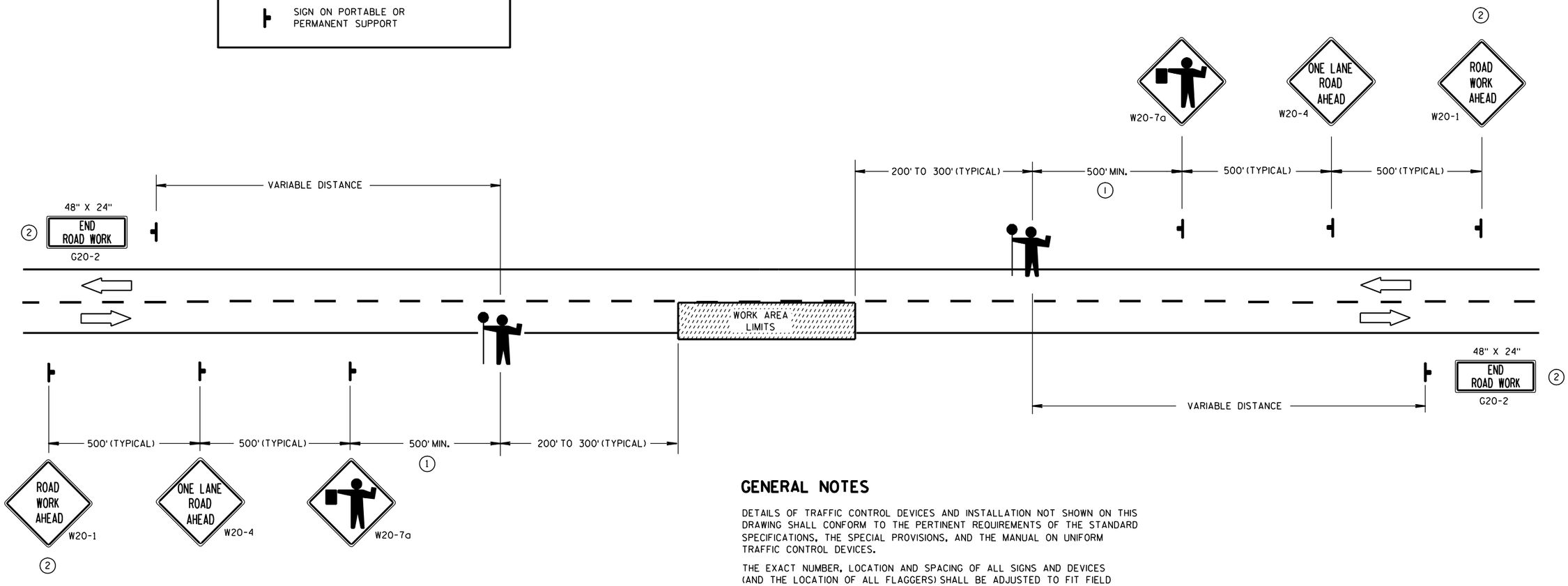
WORK AREA

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

SIGN ON PORTABLE OR PERMANENT SUPPORT

W3-4

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



(1) FOR A MOVING WORK OPERATION,
SIGNING FOR BOTH DIRECTIONS SHALL BE REESTABLISHED (AS SIMULTANEOUSLY AS PRACTICAL) AT APPROXIMATELY 3500 FOOT INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

(2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

GENERAL NOTES

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

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

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

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

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

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

TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

9/5/06 — DATE

/S/ Thomas N. Nothohm — STATE TRAFFIC ENGINEER

FHWA

6

S.D.D. 15 C 12-3

6

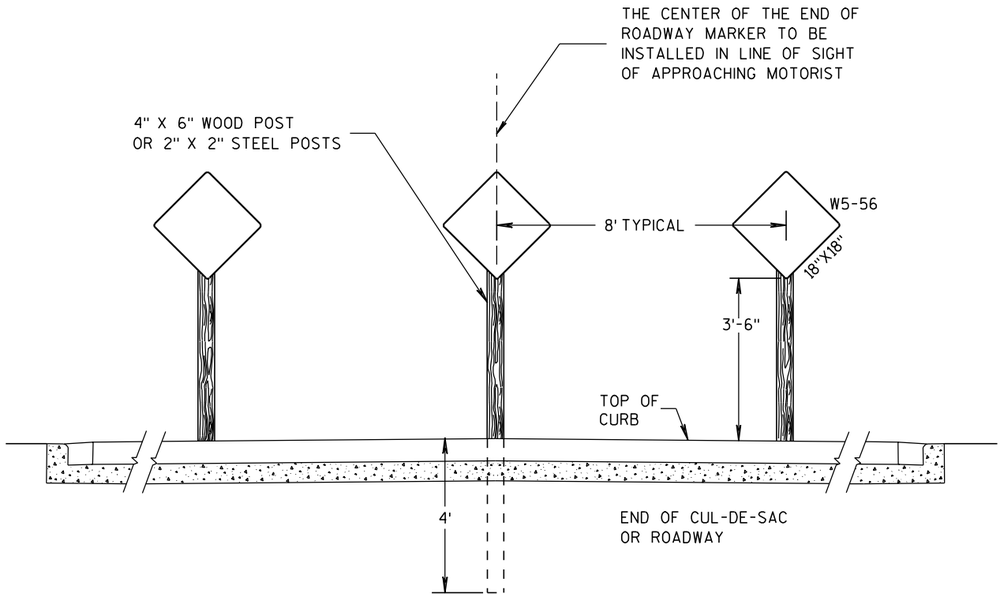
S.D.D. 15 C 12-3

GENERAL NOTES

SIGN LOCATIONS SHOWN ARE TYPICAL PLACEMENT AND MAY BE ADJUSTED BY THE ENGINEER AS FIELD CONDITIONS DICTATE.

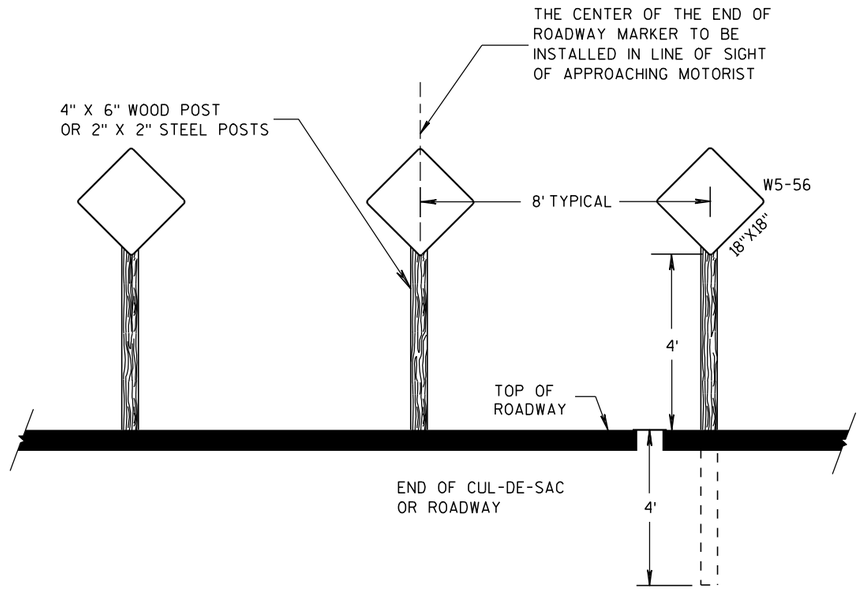
THE MINIMUM NUMBER OF END-OF-ROADWAY SIGNS ARE THREE (AS SHOWN). ADDITIONAL END-OF-ROADWAY SIGNS MAY BE INSTALLED AS FIELD CONDITIONS DICTATE. (SEE SIGNING PLAN).

WHEN BEAMGUARD IS REQUIRED, PLACE END-OF-ROADWAY SIGNING BEHIND BEAMGUARD.



TYPICAL URBAN SIGN INSTALLATION

(WITH CURB & GUTTER)



TYPICAL RURAL SIGN INSTALLATION

(WITHOUT CURB & GUTTER)

6

S.D.D. 15 C 26-2

END-OF-ROADWAY SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

8/1/2011 — DATE

/S/ Thomas N. Nothohm — STATE TRAFFIC ENGINEER

FHWA

6

S.D.D. 15 C 26-2

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.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY DISTRICT TRAFFIC UNIT.

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

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.

W20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.

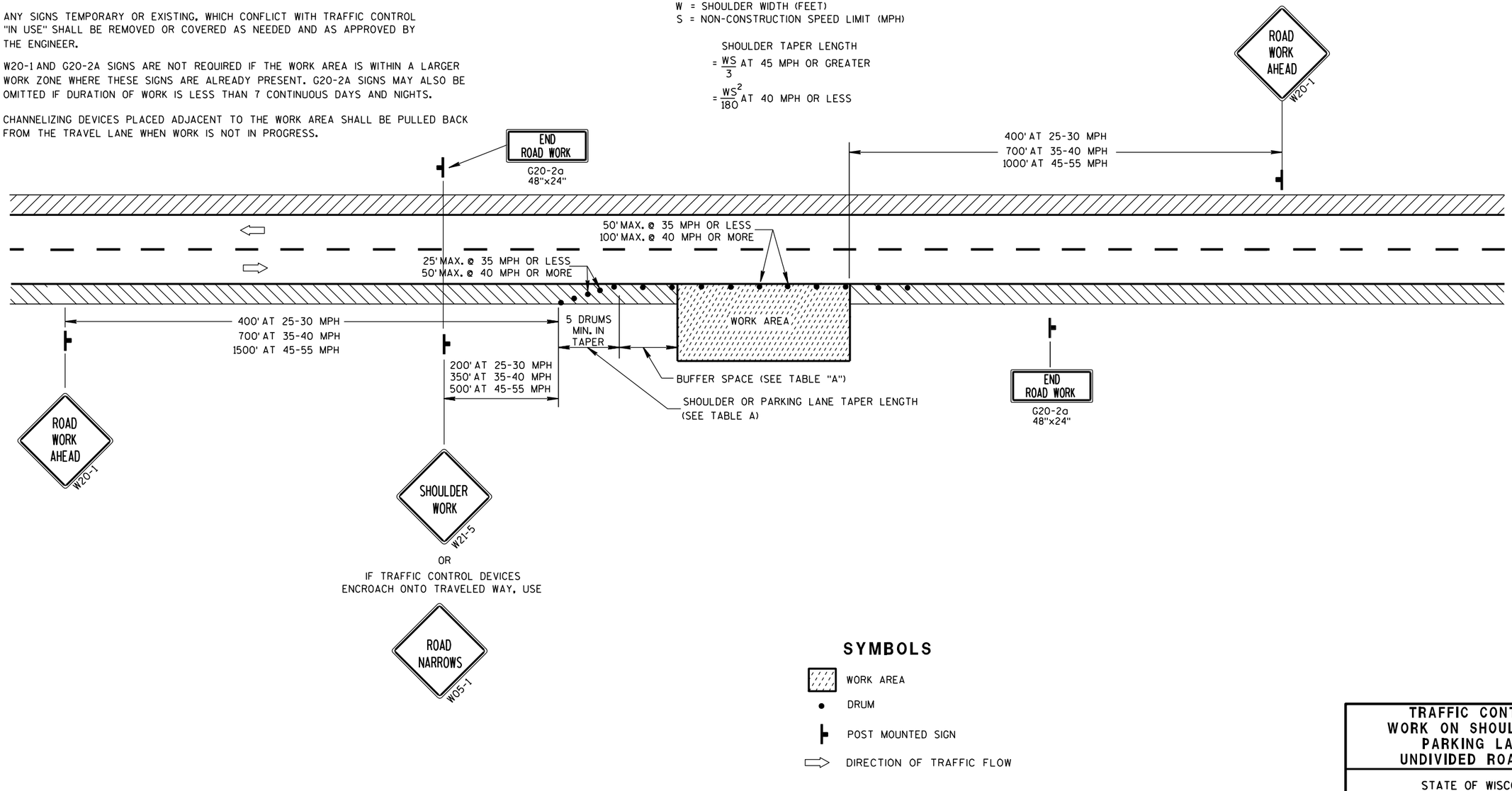
CHANNELIZING DEVICES PLACED ADJACENT TO THE WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

TABLE A

S \ W	SHOULDER TAPER LENGTH (FEET) 4	6	8	10	BUFFER SPACE (FEET)
30	20	30	40	50	85
35	30	45	55	70	120
40	40	55	75	90	170
45	60	90	120	150	220
50	70	100	135	170	280
55	75	110	150	185	335

W = SHOULDER WIDTH (FEET)
S = NON-CONSTRUCTION SPEED LIMIT (MPH)

SHOULDER TAPER LENGTH
$= \frac{WS}{3}$ AT 45 MPH OR GREATER
$= \frac{WS^2}{180}$ AT 40 MPH OR LESS



SYMBOLS

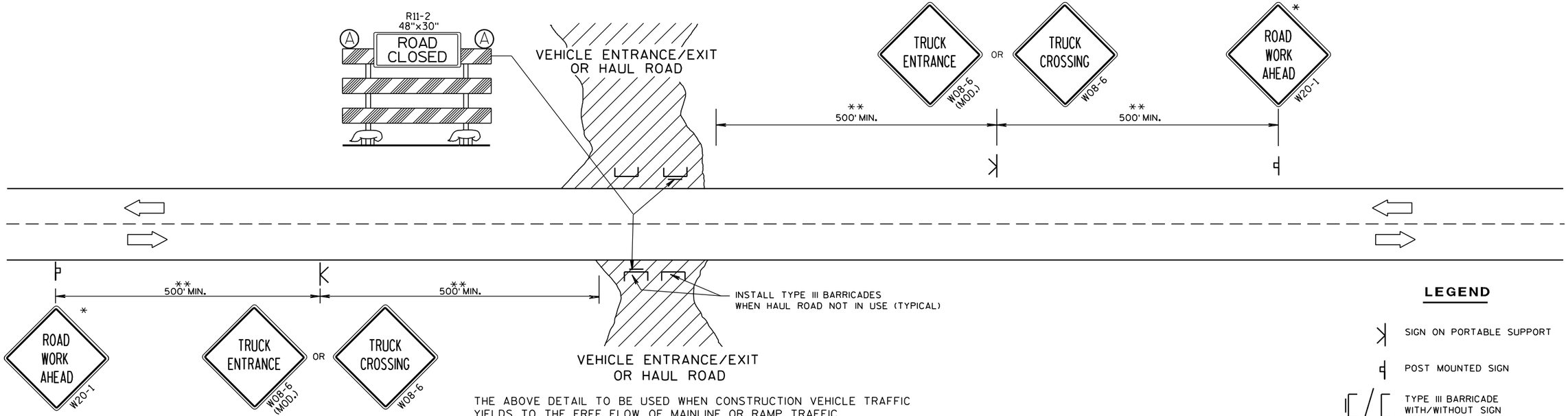
- WORK AREA
- DRUM
- POST MOUNTED SIGN
- DIRECTION OF TRAFFIC FLOW

TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5/23/00 DATE
/S/ Chester J. [illegible]
CHIEF SIGNS AND MARK[illegible] ENGINEER
FHWA

6
S.D.D. 15 D 28-1



THE ABOVE DETAIL TO BE USED WHEN CONSTRUCTION VEHICLE TRAFFIC YIELDS TO THE FREE FLOW OF MAINLINE OR RAMP TRAFFIC

GENERAL NOTES

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

WHEN ACTIVITY REFLECTED BY THE SIGN IS NOT CURRENTLY TAKING PLACE, THE HIGHWAY SHALL BE RESTORED TO NORMAL CONDITION AND THE SIGNS SHALL BE REMOVED, COVERED OR TURNED AWAY FROM TRAFFIC.

WHEN A SIDE ROAD OR RAMP INTERSECTS WITHIN THE ADVANCE SIGNING AREA, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

* THESE SIGNS ARE TO BE USED ONLY WHEN VEHICLE **ENTRANCE/EXIT CONDITIONS ARE SEPARATED BY MORE THAN 2 MILES** FROM PREVIOUS WORK AREA OR SIGNING OR AS DIRECTED BY THE ENGINEER.

** 500' SHOWN IS FOR ROADWAYS WITH A NON-CONSTRUCTION REGULATORY SPEED LIMIT OF 45 MPH OR MORE. FOR 35-40 MPH, USE 350'. FOR 25-30 MPH, USE 200'. USE 1000'/1500' FOR EXPRESSWAY/FREEWAY.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

PLACE SIGNS ON BOTH SIDES IF USED ON DIVIDED HIGHWAY.

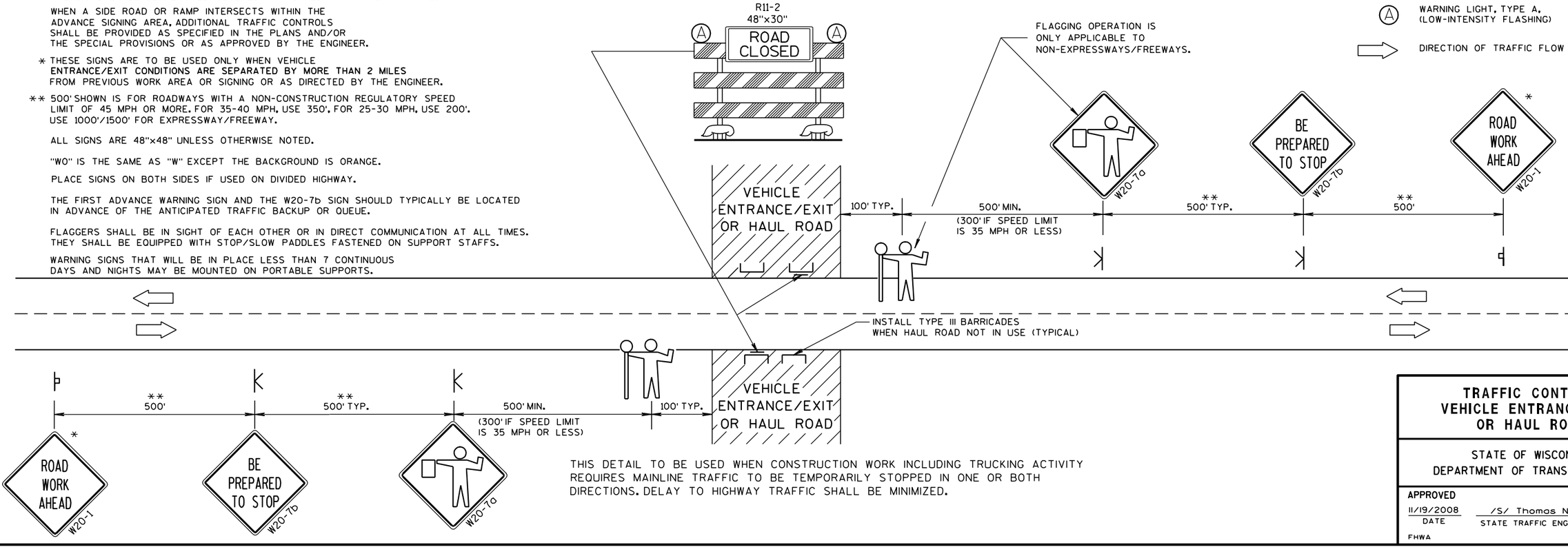
THE FIRST ADVANCE WARNING SIGN AND THE W20-7b SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS.

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

LEGEND

- SIGN ON PORTABLE SUPPORT
- POST MOUNTED SIGN
- TYPE III BARRICADE WITH/WITHOUT SIGN
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- (A) WARNING LIGHT, TYPE A, (LOW-INTENSITY FLASHING)
- DIRECTION OF TRAFFIC FLOW



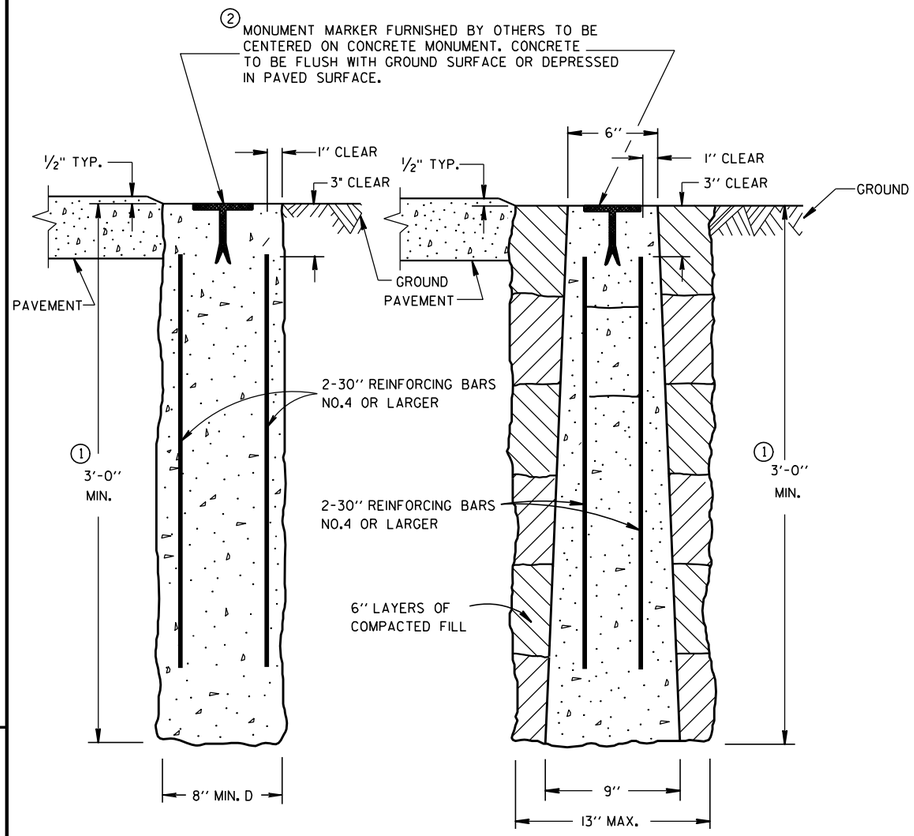
THIS DETAIL TO BE USED WHEN CONSTRUCTION WORK INCLUDING TRUCKING ACTIVITY REQUIRES MAINLINE TRAFFIC TO BE TEMPORARILY STOPPED IN ONE OR BOTH DIRECTIONS. DELAY TO HIGHWAY TRAFFIC SHALL BE MINIMIZED.

TRAFFIC CONTROL, VEHICLE ENTRANCE/EXIT OR HAUL ROAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/19/2008 DATE
/S/ Thomas N. N[illegible] STATE TRAFFIC ENGINEER
FHWA

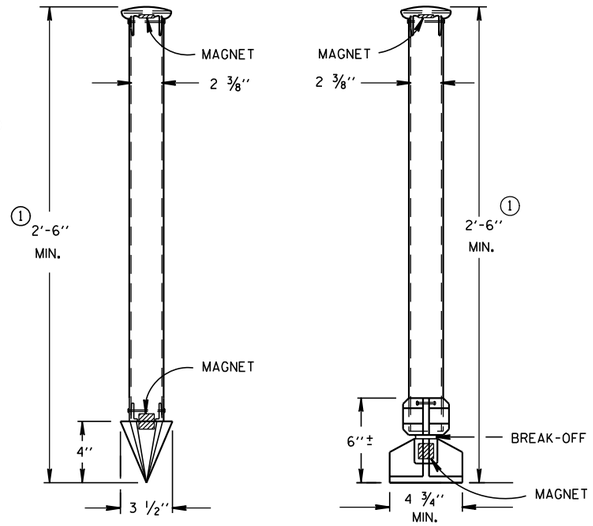
6
S.D.D. 15 D 29-2



CAST-IN-PLACE PRECAST

CONCRETE MONUMENTS

TYPE A



TYPE C TYPE D

DRIVE-IN MONUMENT 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.

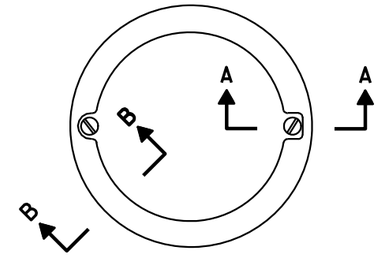
ALUMINUM MONUMENTS AND MONUMENT COVERS SHALL BE MADE FROM AN ALUMINUM AND MAGNESIUM ALLOY AS DETERMINED BY THE MANUFACTURER.

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.

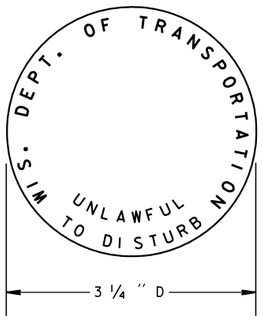
MONUMENT SHALL BE CAST-IN-PLACE CONCRETE UNLESS PRECAST CONCRETE OR ALUMINUM MONUMENTS ARE SPECIFIED IN THE CONTRACT OR PERMITTED BY THE ENGINEER.

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.

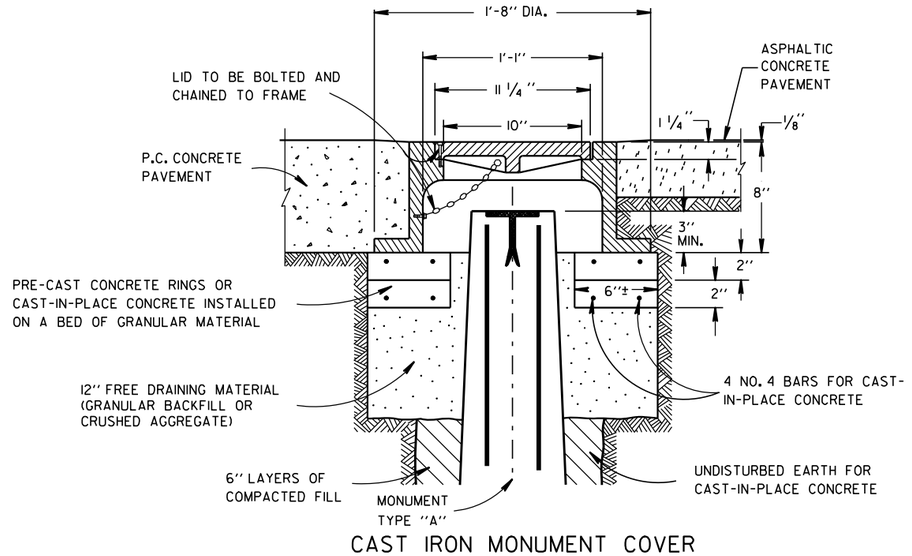


TOP VIEW



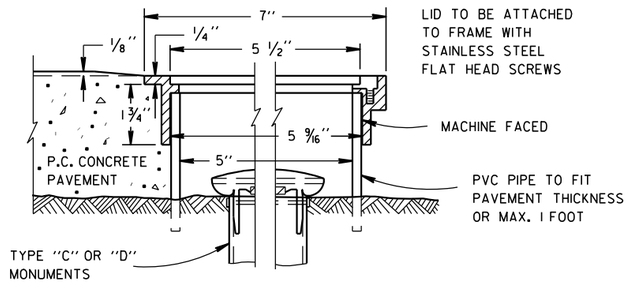
② WIS DOT MONUMENT MARKER LOGO

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 MOUNMENTS AND COVERS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

9/22/1999 DATE

/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER

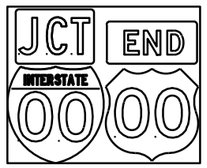
FHWA

6

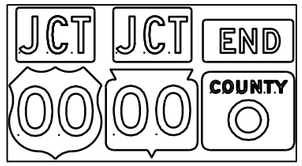
S.D.D. 16 A 1-6

TYPICAL ASSEMBLIES

J1-1

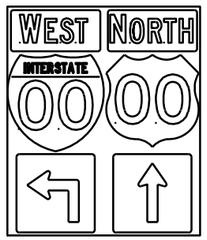


J1-2

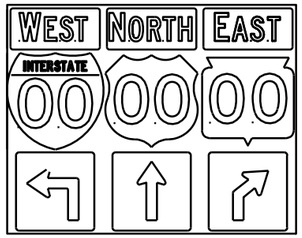


J1-3

J2-1

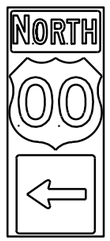


J2-2

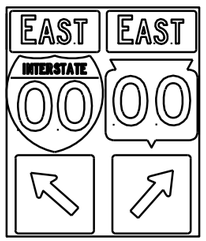


J2-3

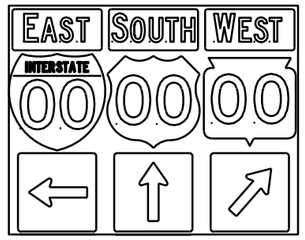
JV



J3-1

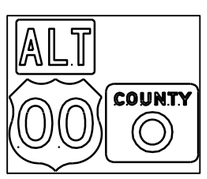


J3-2

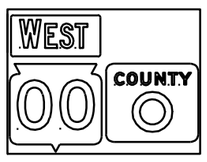


J3-3

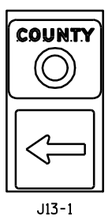
J4-1



J4-2



J4-2



J13-1

J12-1

J32-1

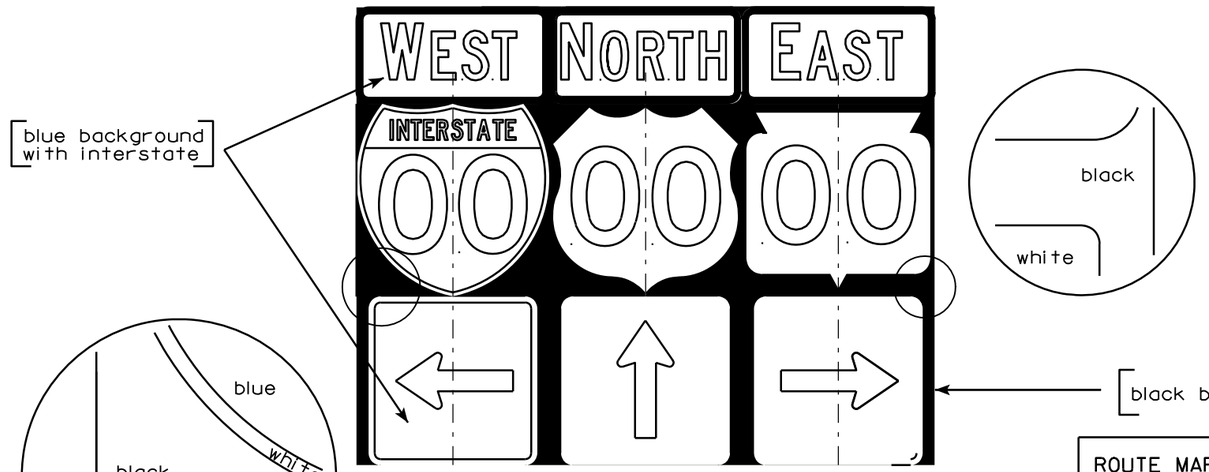
J33-1

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 shields that are same size. If the route marker shields are different size use multiple piece component.
8. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
9. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.



ROUTE MARKERS & COMPONENTS IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

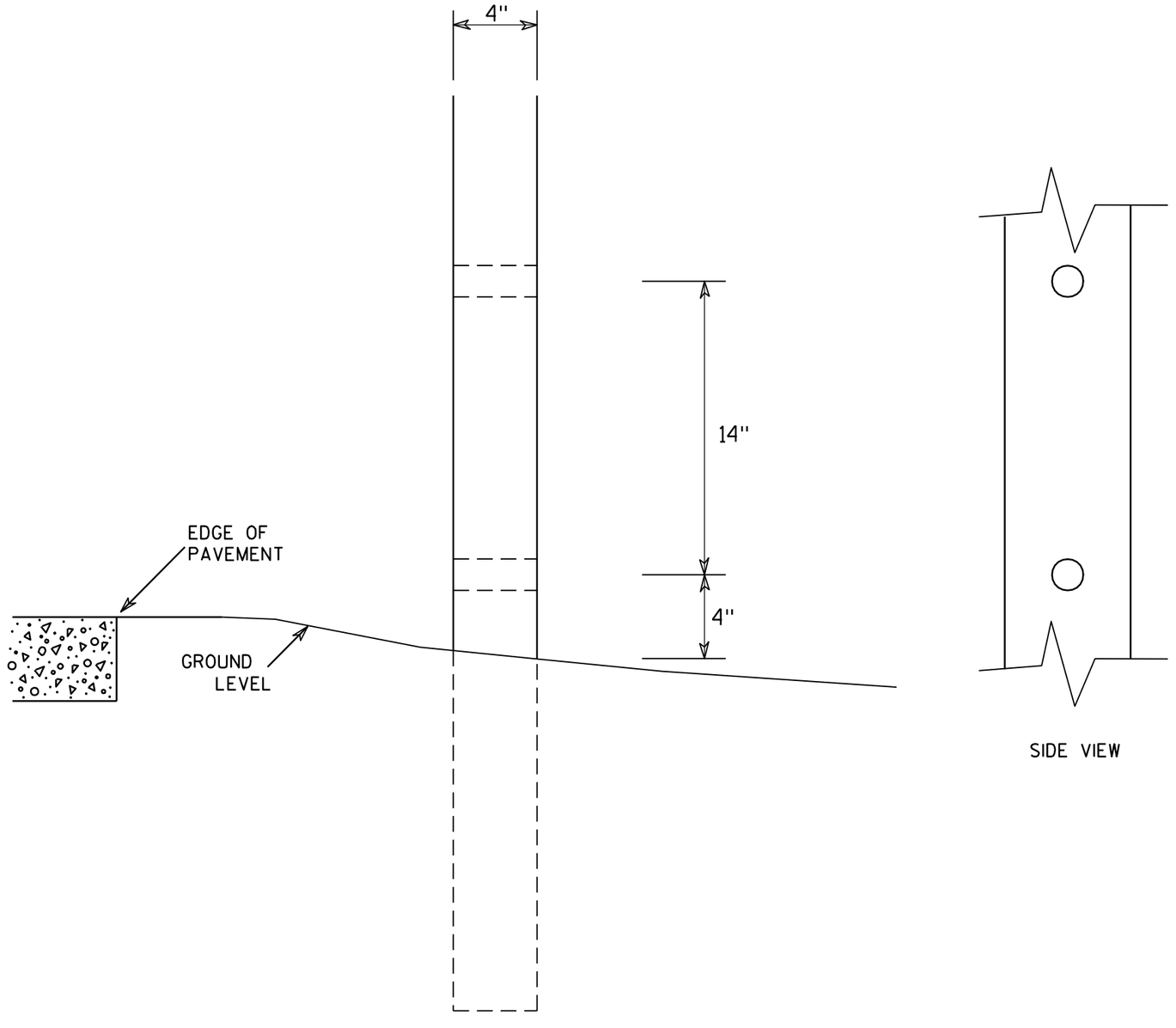
DATE 10/21/09 PLATE NO. A2-1S.6

7

7

PROJECT NO:

SHEET NO: 67 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.

7

7

4 X 6 WOOD POST MODIFICATIONS

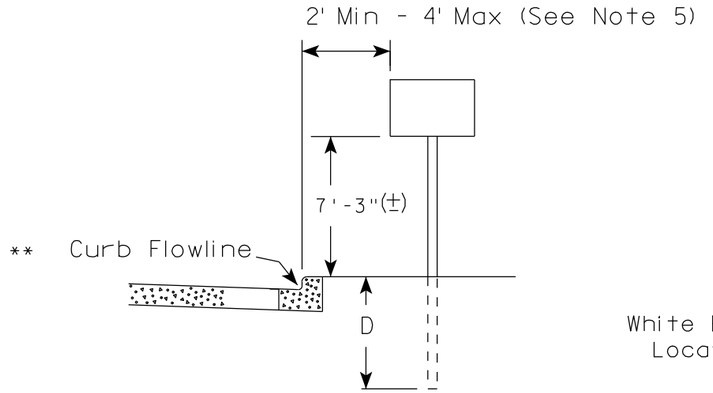
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

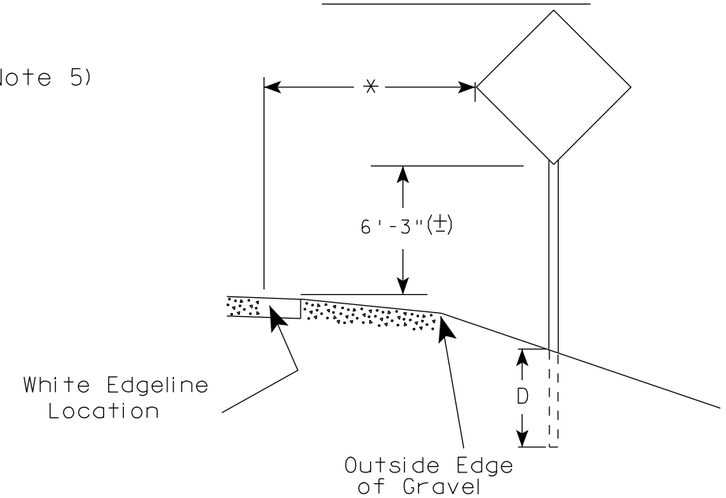
DATE 3/27/97 PLATE NO. A4-11.2

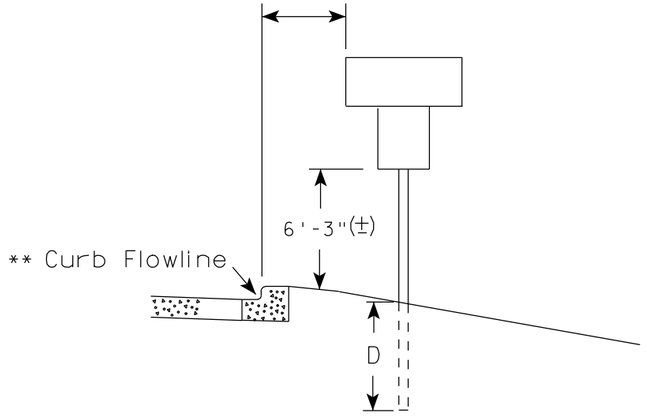
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 68	E

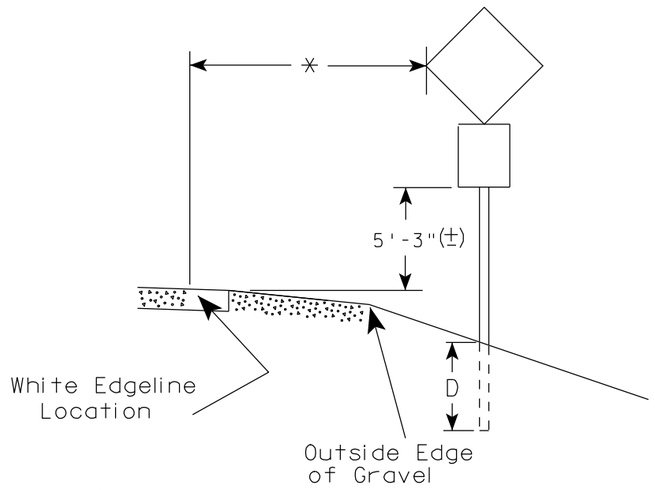
URBAN AREA



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

POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

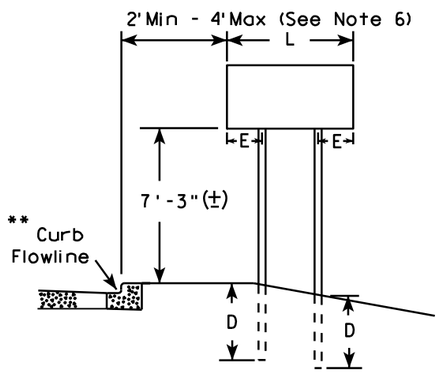
DATE 9/21/2011 PLATE NO. A4-3.16

7

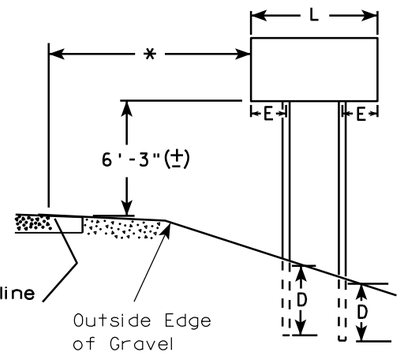
7

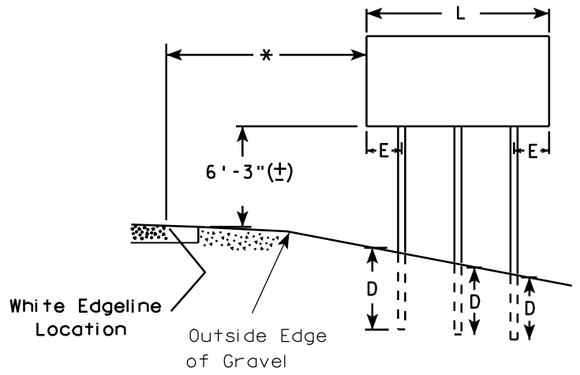
PROJECT NO: | HWY: | COUNTY: | | SHEET NO: 69 | E

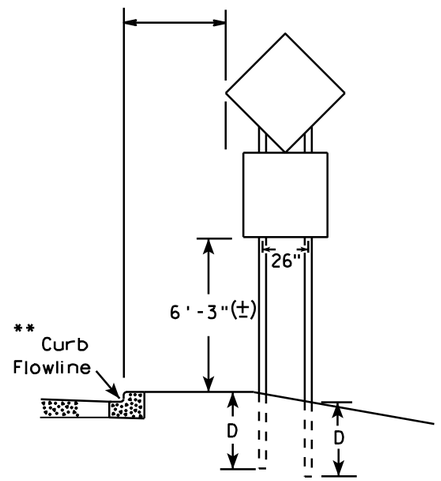
URBAN AREA



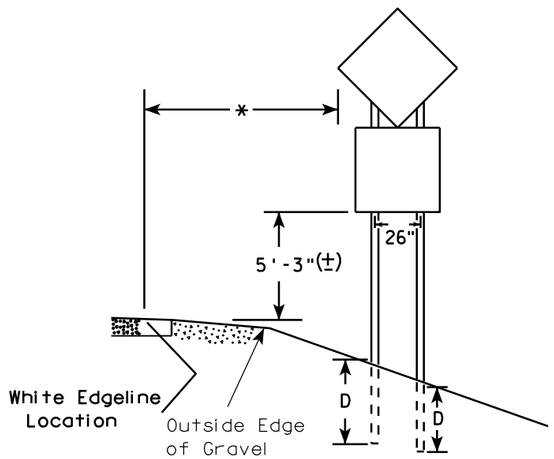
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

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

***

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

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

POST EMBEDMENT DEPTH

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

GENERAL NOTES

1. For multiple post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
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 (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series) & End of Road Markers (W5-56 & W5-56A) shall be mounted at a height of 4"-3" (±).

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

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

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

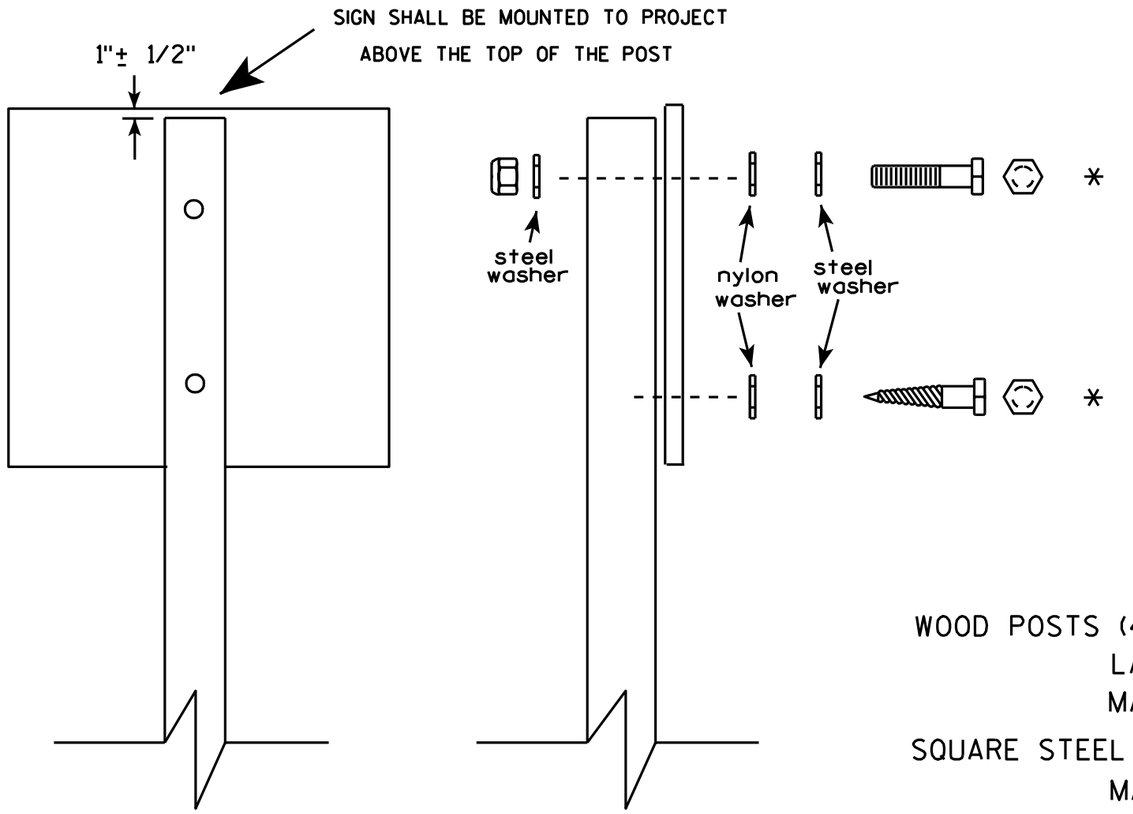
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 70	E



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

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

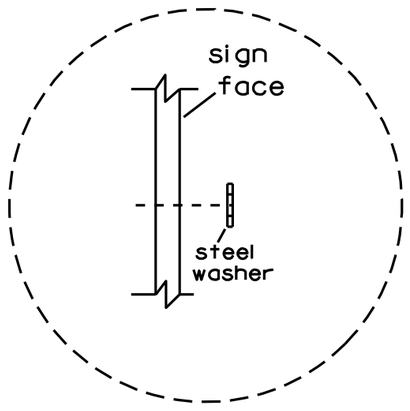
b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

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

WOOD POSTS (4" x 4" or 4" x 6")
LAG SCREWS - 3/8" X 3"
MACHINE BOLTS - 5/16" X 6-1/2" or 7" Length w/ nuts

SQUARE STEEL POSTS (2" x 2")
MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts
RIVETS - 9/32 " (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON for all Type H signs.



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

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

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

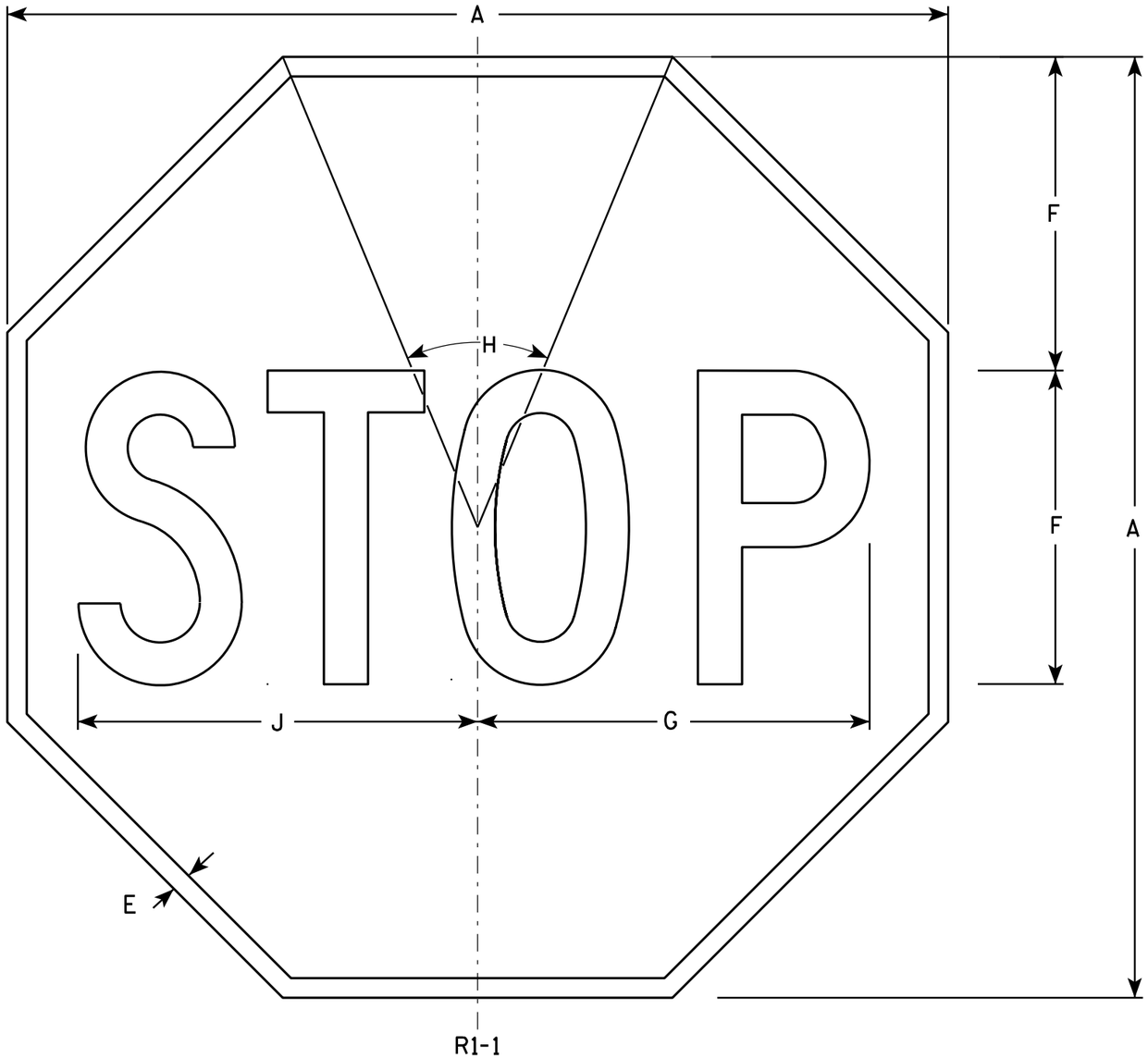
DATE 3/23/10 PLATE NO. A4-8.7

7

7

PROJECT NO:

SHEET NO: 71 E



NOTES

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

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

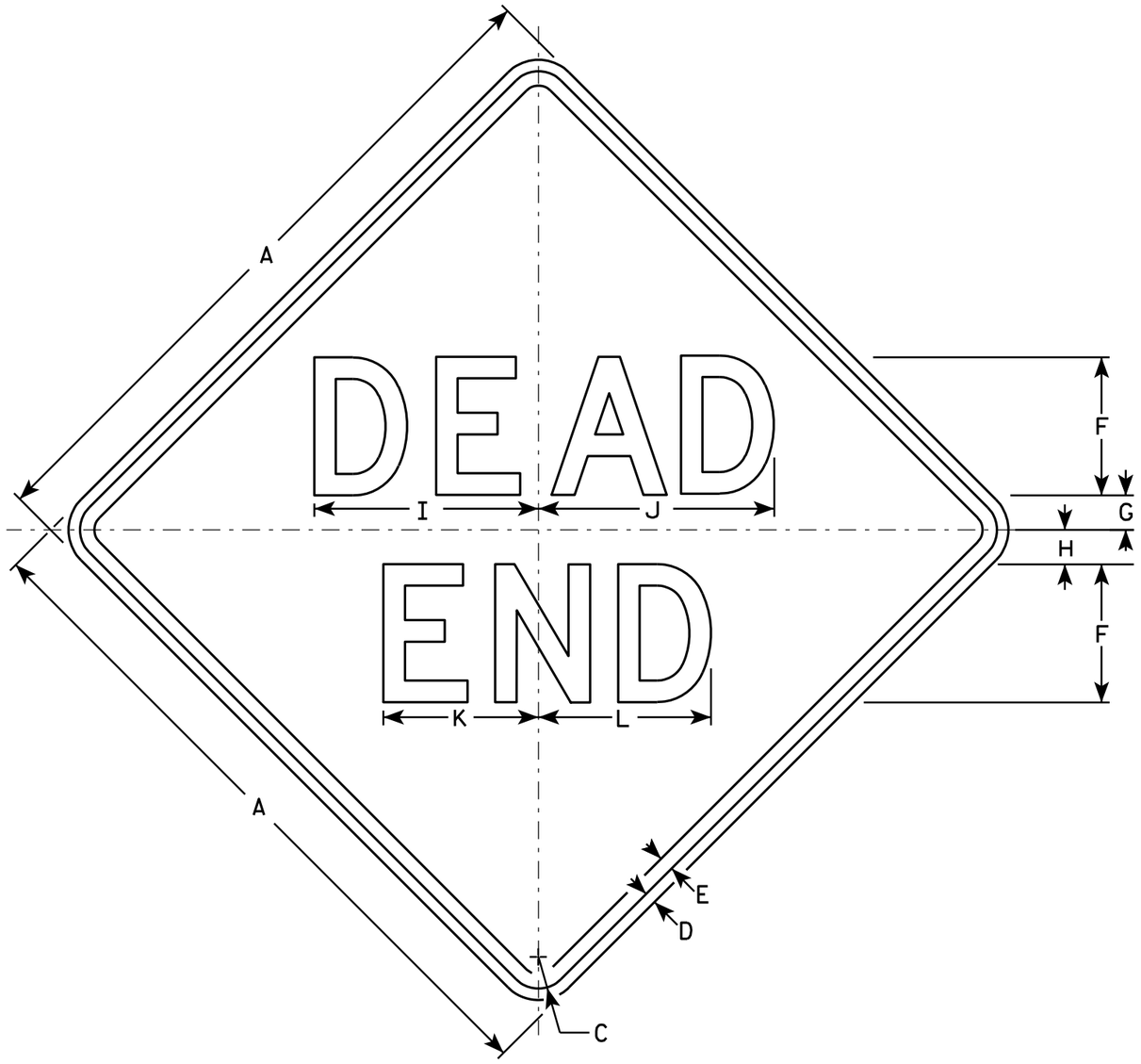
STANDARD SIGN
R1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 72	E



W14-1

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	5	1	2	8 1/4	8 5/8	5 5/8	6 1/4															4.0
2S	30		1 3/8	1/2	5/8	6	1 1/2	2 1/2	9 3/4	10 1/4	6 3/4	7 1/2															6.25
2M	30		1 3/8	1/2	5/8	6	1 1/2	2 1/2	9 3/4	10 1/4	6 3/4	7 1/2															6.25
3	36		1 5/8	5/8	3/4	7	2	3	11 3/8	12	7 7/8	8 3/4															9.0
4																											
5																											

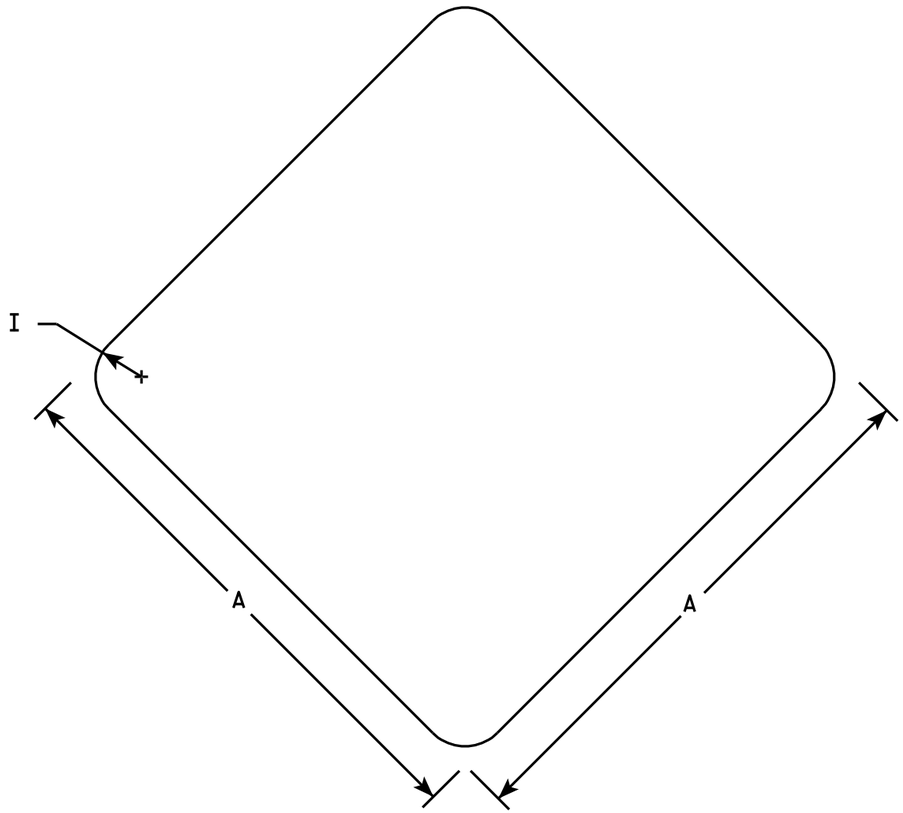
STANDARD SIGN
W14-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/11 PLATE NO. W14-1.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 73	E



W5-56

NOTES

1. Sign is Type II - Type SH Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
3. Corners may be square or rounded when base material is plywood. When base material is metal the corners shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12								1																		1.0
2S	18								1 ½																		2.25
2M	18								1 ½																		2.25
3																											
4																											
5																											

STANDARD SIGN
W5-56

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

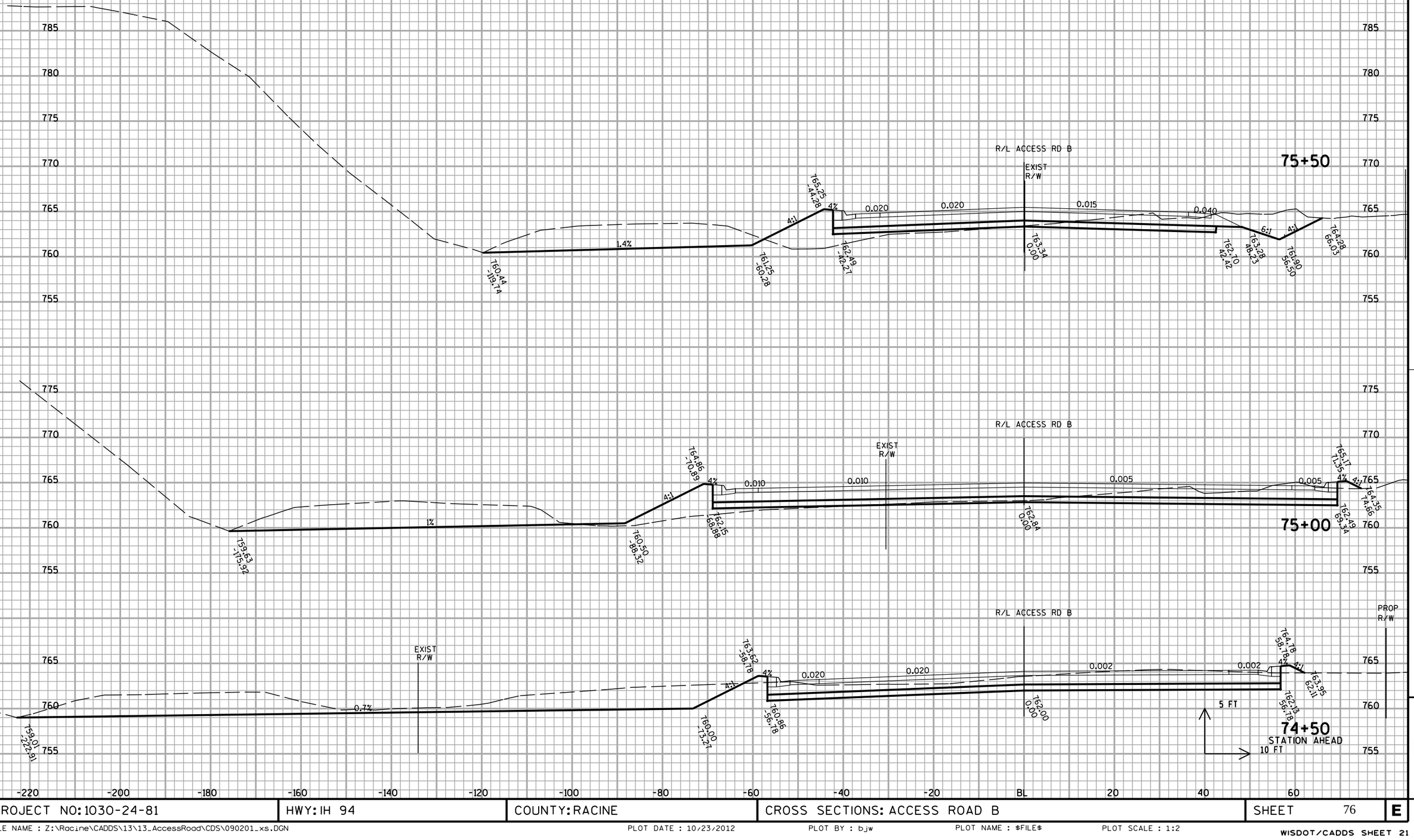
DATE 11/2/10 PLATE NO. W5-56.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 74	E

		ACCESS ROAD B						
		AREA (SF)		Incremental Vol (CY) (Unadjusted)		Cumulative Vol (CY) (Unadjusted)		Unadjusted
		Cut	Fill	Cut	Fill	Cut	Fill	Mass
STATION	Distance					1.00	1.00	Ordinate
74+21	0.00							
74+50	29.00	451	6	242	3	242	3	239
75+00	50.00	266	53	664	54	906	57	849
75+50	50.00	225	56	455	101	1,361	158	1,202
76+00	50.00	163	42	359	91	1,720	249	1,471
76+50	50.00	141	15	281	53	2,001	302	1,700
77+00	50.00	152	4	271	18	2,273	319	1,953
77+50	50.00	151	0	281	4	2,553	323	2,230
78+00	50.00	158	5	286	5	2,839	328	2,512
78+50	50.00	151	5	286	9	3,126	337	2,788
79+00	50.00	153	15	281	19	3,407	356	3,051
79+50	50.00	200	29	327	41	3,734	397	3,337
79+80	30.00	250	0	250	16	3,984	413	3,571
ACCESS ROAD B TOTAL				3,742	410	3,984	413	3,571

		58th Road						
		AREA (SF)		Incremental Vol (CY) (Unadjusted)		Cumulative Vol (CY) (Unadjusted)		Unadjusted
		Cut	Fill	Cut	Fill	Cut	Fill	Mass
STATION	Distance					1.00	1.00	Ordinate
50+50		0	0	0	0	0	0	0
50+75	25.00	16	0	8	0	8	0	8
51+00	25.00	26	0	19	0	27	0	27
51+25	25.00	84	0	51	0	78	0	78
51+50	25.00	87	2	79	1	157	1	156
51+75	25.00	29	47	54	23	210	24	187
52+00	25.00	0	0	13	22	224	46	178
52+25	25.00	0	0	0	0	224	46	178
52+50	25.00	38	2	17	1	241	46	195
52+75	25.00	20	2	27	2	268	48	220
53+00	25.00	14	0	16	1	284	49	235
53+25	25.00	10	0	11	0	295	49	246
53+50	25.00	11	0	10	0	305	49	256
53+75	25.00	0	0	5	0	310	49	261
58TH ROAD TOTAL				283	49	310	49	261

		SWALE 2								
		AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY) (Unadjusted)			
		Cut	Salvaged/Unusable	Fill	Cut	Salvaged/Unusable	Fill	Cut	Salvaged/Unusable	Expanded Fill	Mass
STATION	Distance		Pavement Material			Pavement Material		1.00	Pavement Material	1.00	Ordinate
200+00	50.00	0	0	0	0	0	0	0	0	0	0
200+50	50.00	16	6	0	14	6	0	14	6	0	9
201+00	50.00	0	0	0	15	6	0	29	11	0	18
201+50	50.00	10	0	0	10	0	0	39	11	0	28
201+95	45.00	16	0	0	22	0	0	61	11	0	50
SWALE 2 TOTAL					61	11	0	61	11	0	50



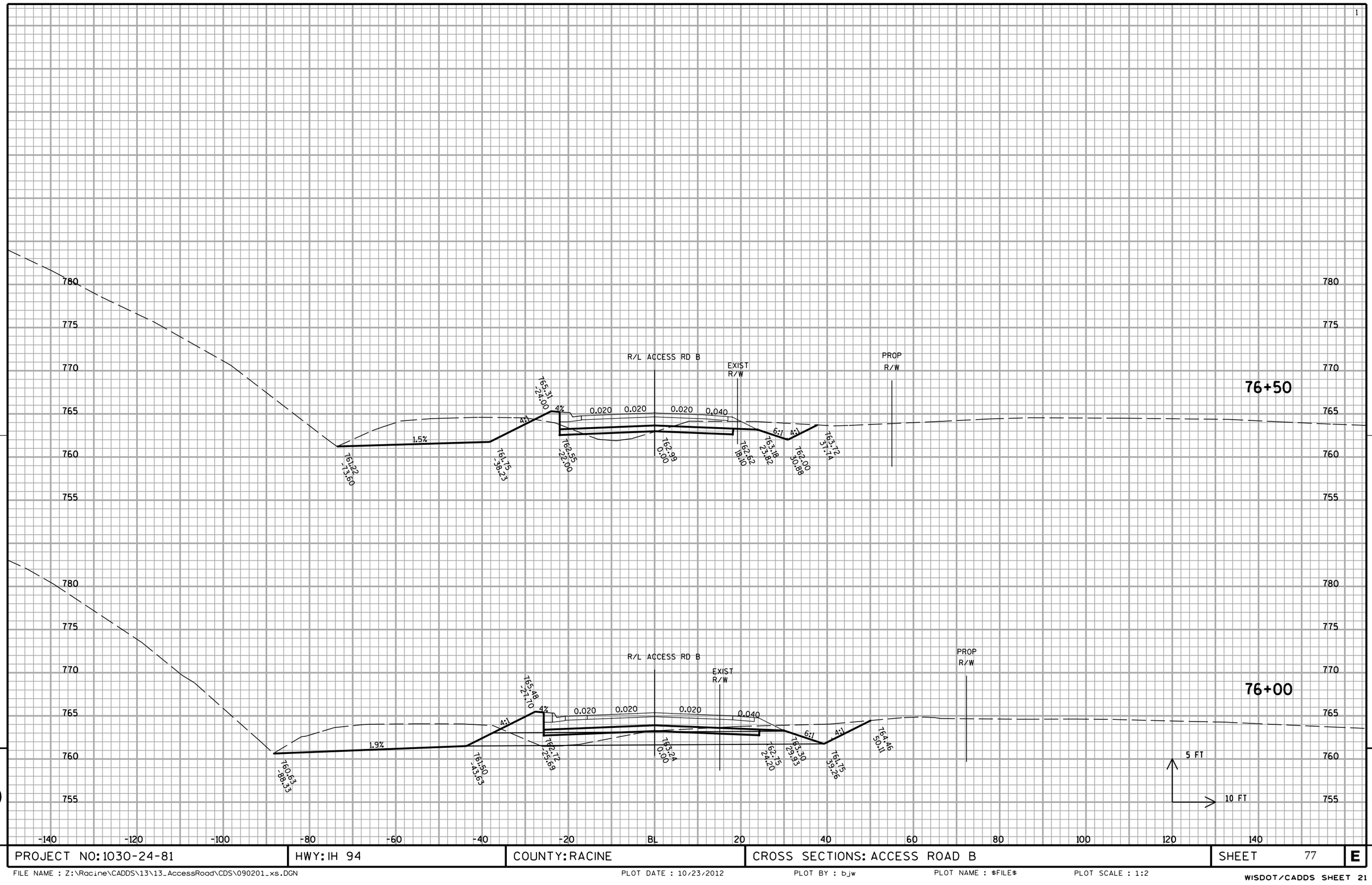
9

9

PROJECT NO: 1030-24-81	HWY: IH 94	COUNTY: RACINE	CROSS SECTIONS: ACCESS ROAD B	SHEET 76	E

FILE NAME : Z:\Racine\CADDS\13\13_AccessRoad\CDS\090201_xs.DGN PLOT DATE : 10/23/2012 PLOT BY : bjw PLOT NAME : $FILE$ PLOT SCALE : 1:2

WISDOT/CADDS SHEET 21

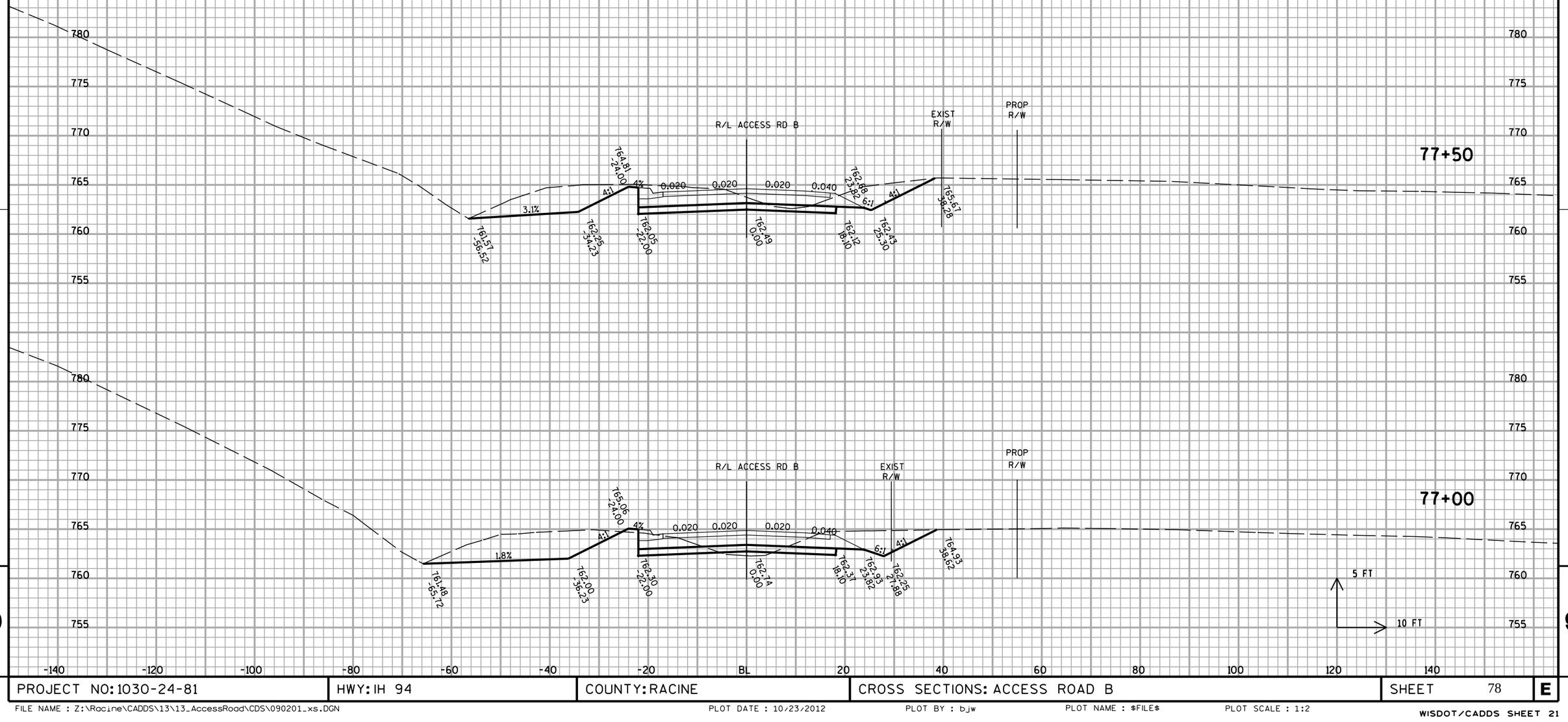


9

9

PROJECT NO: 1030-24-81	HWY: IH 94	COUNTY: RACINE	CROSS SECTIONS: ACCESS ROAD B	SHEET 77	E

FILE NAME : Z:\Racine\CADDS\13\13_AccessRoad\CDS\090201_xs.DGN PLOT DATE : 10/23/2012 PLOT BY : bjw PLOT NAME : $FILE$ PLOT SCALE : 1:2

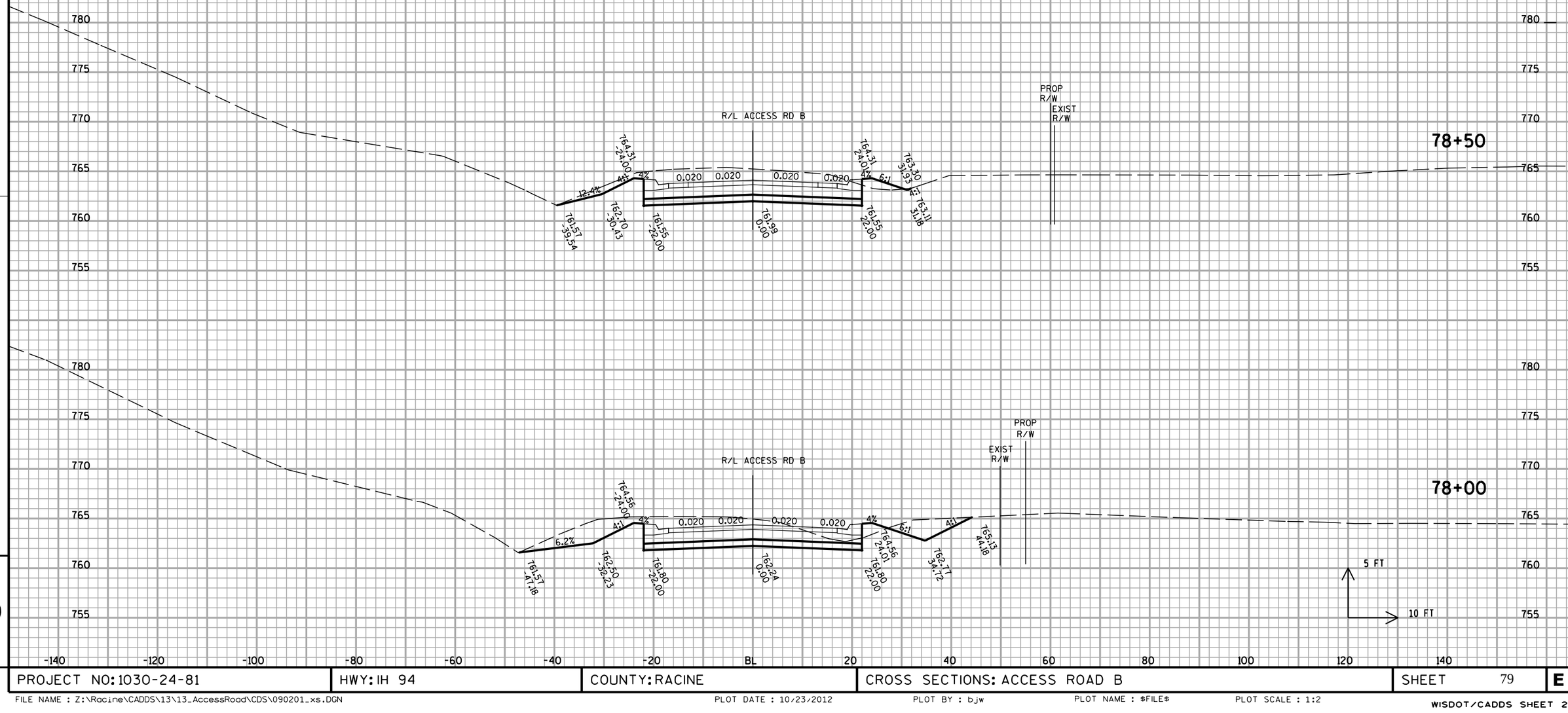


9

PROJECT NO: 1030-24-81	HWY: IH 94	COUNTY: RACINE	CROSS SECTIONS: ACCESS ROAD B	SHEET 78	E

FILE NAME : Z:\Racine\CADDS\13\13_AccessRoad\CDS\090201_xs.DGN PLOT DATE : 10/23/2012 PLOT BY : bjw PLOT NAME : $FILE$ PLOT SCALE : 1:2

WISDOT/CADDS SHEET 21



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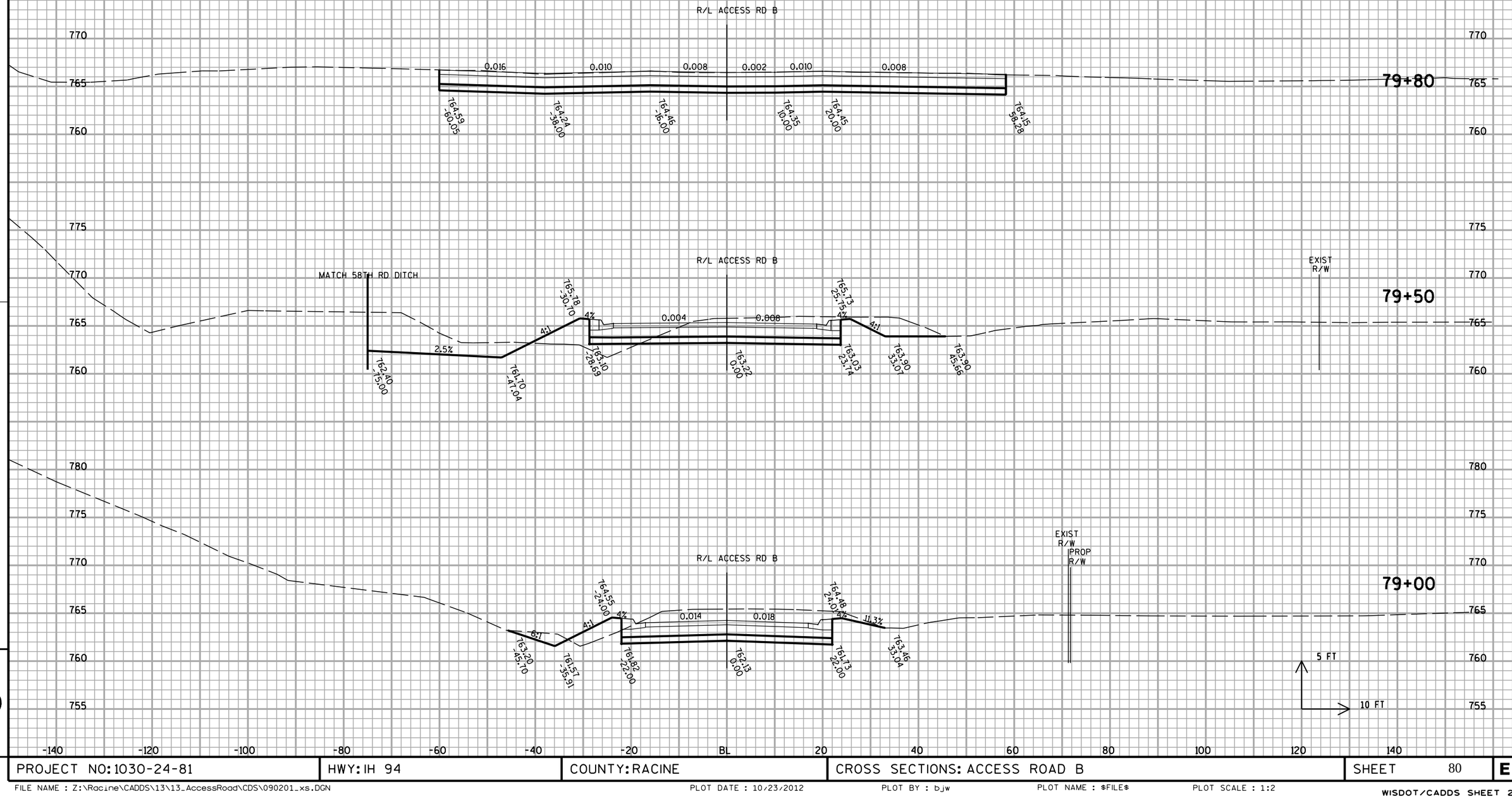
9

PROJECT NO: 1030-24-81	HWY: IH 94	COUNTY: RACINE	CROSS SECTIONS: ACCESS ROAD B	SHEET 79	E

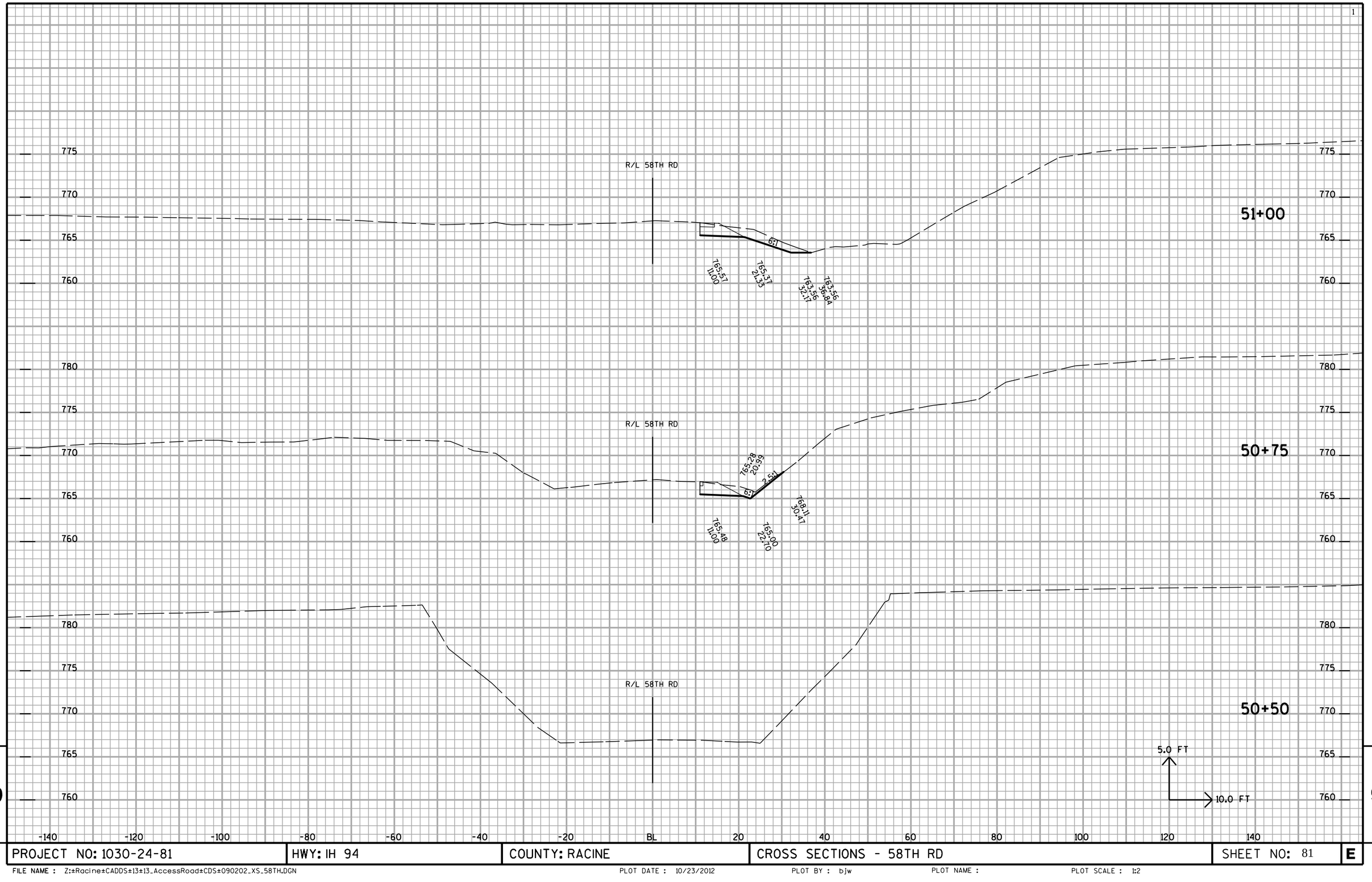
FILE NAME : Z:\Racine\CADDS\13\13_AccessRoad\CDS\090201_xs.DGN
PLOT DATE : 10/23/2012
PLOT BY : bjw
PLOT NAME : $FILE$
PLOT SCALE : 1:2
WISDOT/CADDS SHEET 21



PROJECT NO: 1030-24-81	HWY: IH 94	COUNTY: RACINE	CROSS SECTIONS: ACCESS ROAD B	SHEET 80	E

FILE NAME : Z:\Racine\CADDS\13\13_AccessRoad\CDS\090201_xs.DGN PLOT DATE : 10/23/2012 PLOT BY : bjw PLOT NAME : $FILE$ PLOT SCALE : 1:2

WISDOT/CADDS SHEET 21



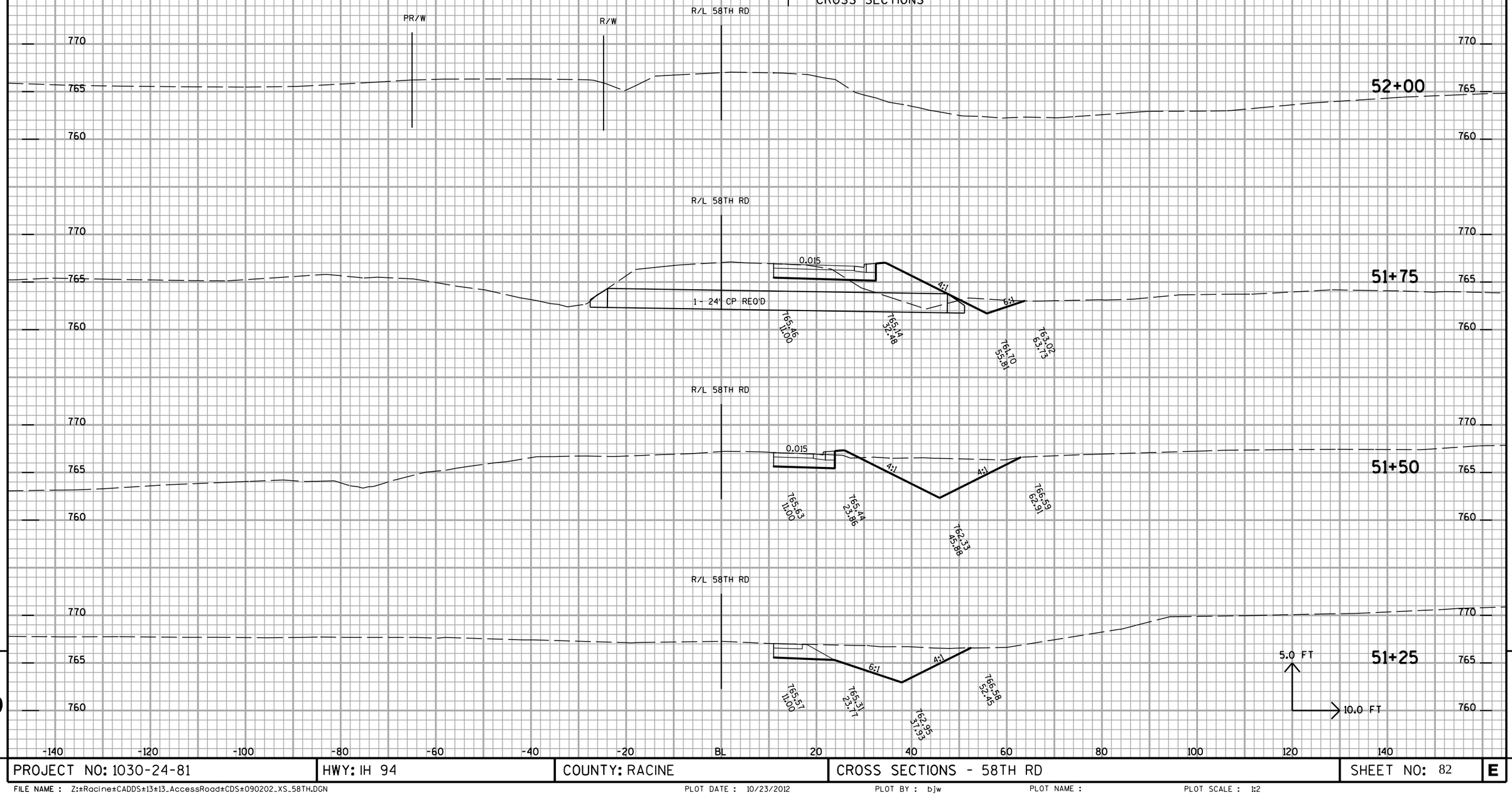
9

PROJECT NO: 1030-24-81	HWY: IH 94	COUNTY: RACINE	CROSS SECTIONS - 58TH RD	SHEET NO: 81	E

9

FILE NAME : Z:±Racine±CADDS±13±13_AccessRoad±CDS±090202_XS_58TH.DGN PLOT DATE : 10/23/2012 PLOT BY : bjw PLOT NAME : PLOT SCALE : 1:2

SEE ACCESS ROAD 'B'
CROSS SECTIONS



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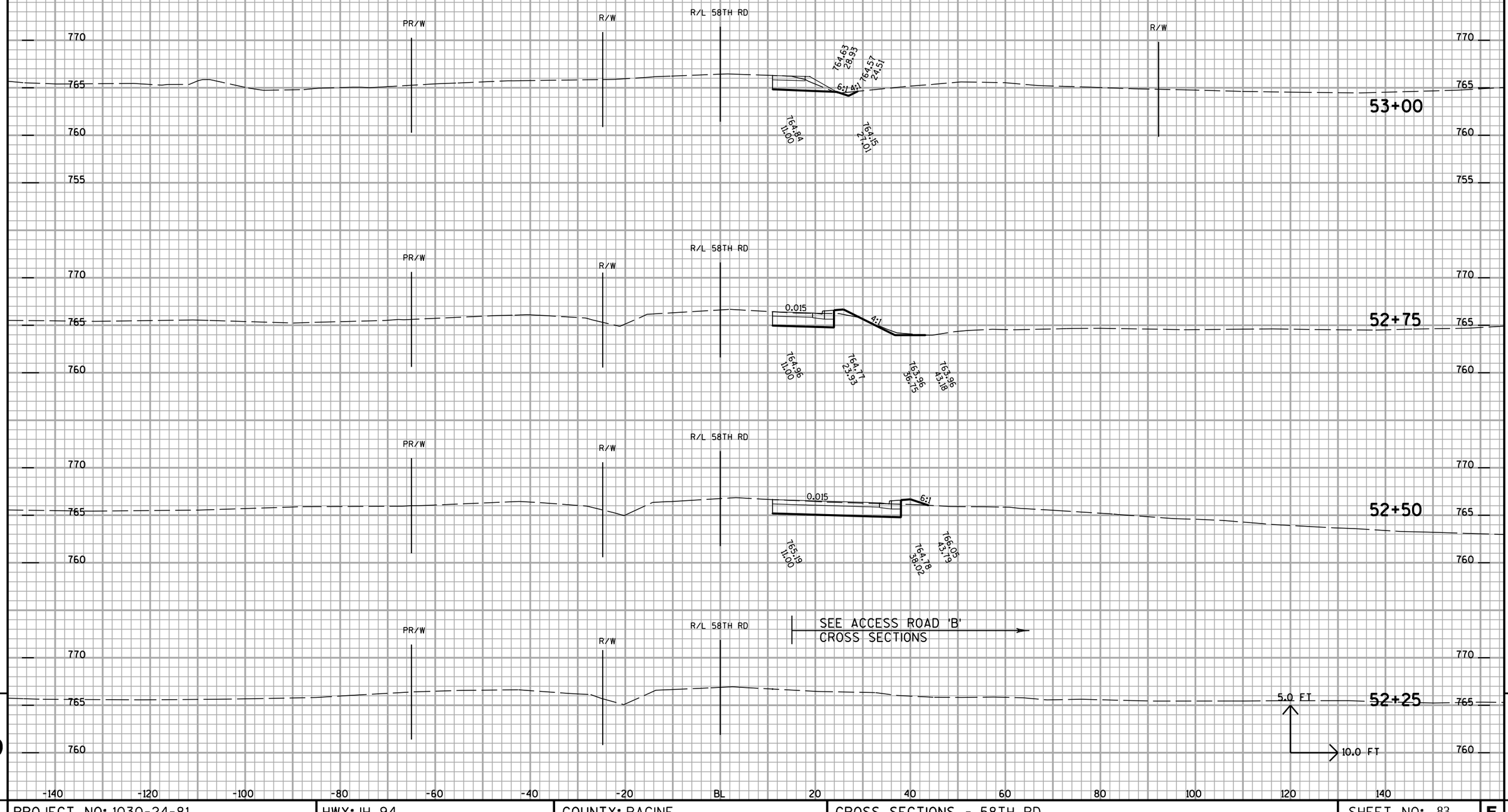
9

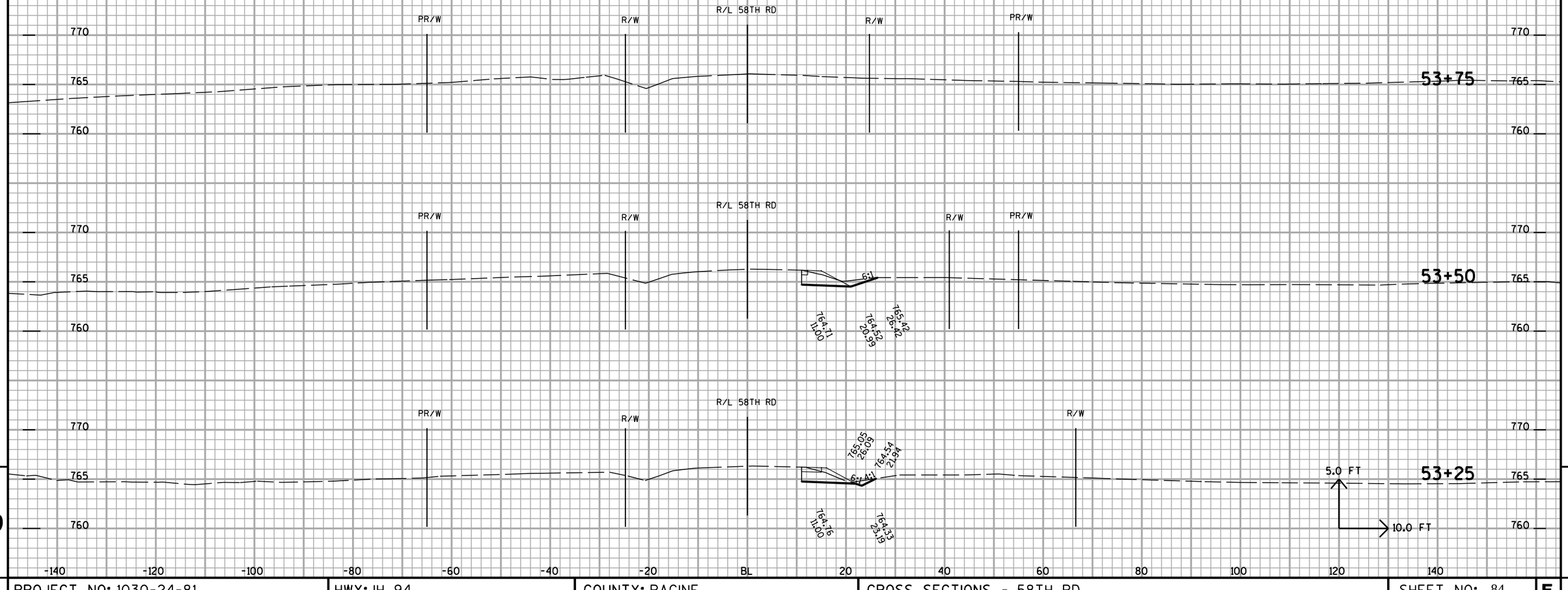
PROJECT NO: 1030-24-81	HWY: IH 94	COUNTY: RACINE	CROSS SECTIONS - 58TH RD	SHEET NO: 82	E

FILE NAME : Z:±Racine±CADDS±13±13_AccessRoad±CDS±090202_XS_58TH.DGN PLOT DATE : 10/23/2012 PLOT BY : bjw PLOT NAME : PLOT SCALE : 1:2



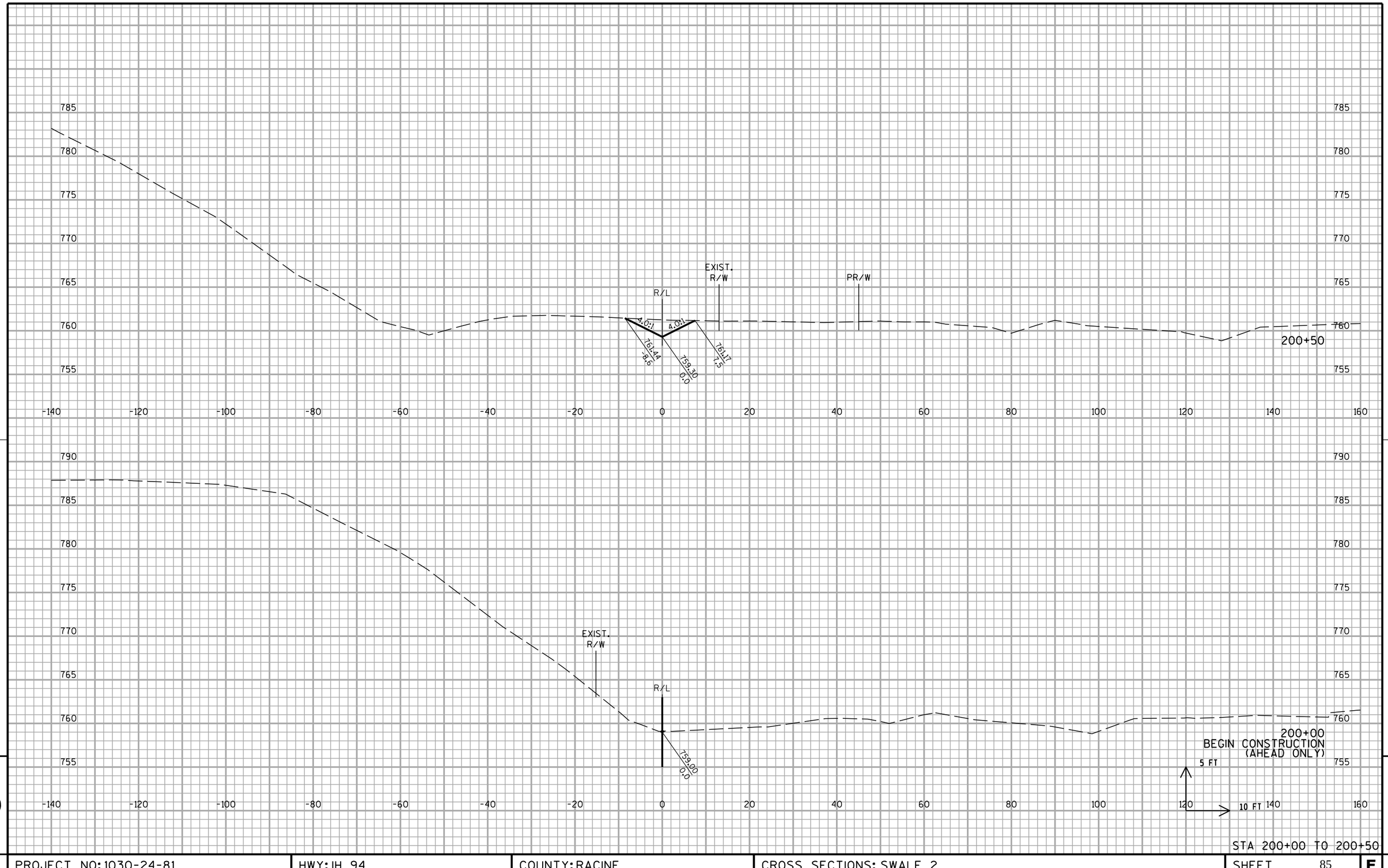
PROJECT NO: 1030-24-81	HWY: IH 94	COUNTY: RACINE	CROSS SECTIONS - 58TH RD	SHEET NO: 83	E

FILE NAME : Z:±Racine±CADDS±13±13_AccessRoad±CDS±090202_XS_58TH.DGN PLOT DATE : 10/23/2012 PLOT BY : bjw PLOT NAME : PLOT SCALE : 1:2



PROJECT NO: 1030-24-81	HWY: IH 94	COUNTY: RACINE	CROSS SECTIONS - 58TH RD	SHEET NO: 84	E

FILE NAME : Z:±Racine±CADDS±13±13_AccessRoad±CDS±090202_XS_58TH.DGN PLOT DATE : 10/23/2012 PLOT BY : bjw PLOT NAME : PLOT SCALE : 1:2

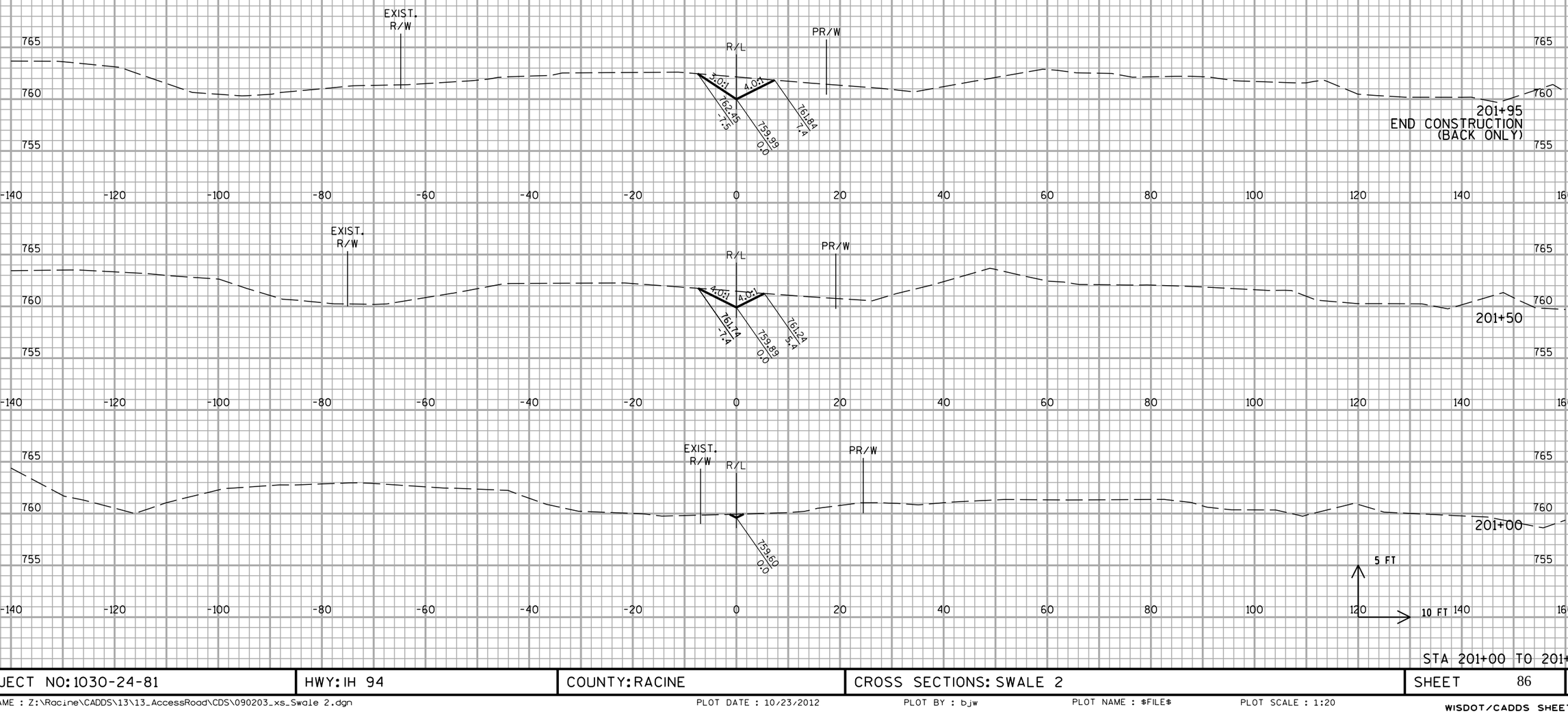


STA 200+00 TO 200+50

PROJECT NO: 1030-24-81	HWY: IH 94	COUNTY: RACINE	CROSS SECTIONS: SWALE 2	SHEET 85	E

FILE NAME : Z:\Racine\CADDS\13\13_AccessRoad\CDS\090203_xs_Swale 2.dgn PLOT DATE : 10/23/2012 PLOT BY : bjw PLOT NAME : $FILE$ PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



9

9

STA 201+00 TO 201+67

PROJECT NO: 1030-24-81	HWY: IH 94	COUNTY: RACINE	CROSS SECTIONS: SWALE 2	SHEET 86	E

FILE NAME : Z:\Racine\CADDS\13\13_AccessRoad\CDS\090203_xs_Swale 2.dgn | PLOT DATE : 10/23/2012 | PLOT BY : bjw | PLOT NAME : $FILE$ | PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

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