

WIS

NOV 2014

WITH: N/A

PROJECT ID:

7030-00-74

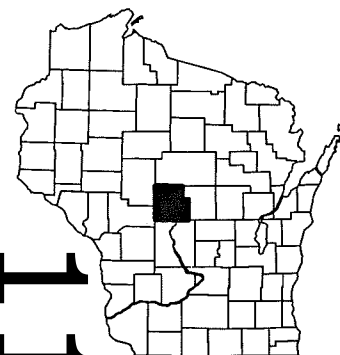
COUNTY:

WOOD

ORDER OF SHEETS

Section No. 1	Title
Section No. 2	Typical Sections and Details
Section No. 3	Estimate of Quantities
Section No. 3	Miscellaneous Quantities
Section No. 4	Right of Way Plat
Section No. 5	Plan and Profile
Section No. 6	Standard Detail Drawings
Section No. 7	Sign Plates
Section No. 8	Structure Plans
Section No. 9	Computer Earthwork Data
Section No. 9	Gross Sections

TOTAL SHEETS = 134



DESIGN DESIGNATION

A.A.D.T. 2016	=	3200
A.A.D.T. 2036	=	3800
D.H.V.	=	2280
D.D.	=	62/40
T.	=	20.39
DESIGN SPEED	=	55 MPH
ESALS	=	1,544,900

CONVENTIONAL SYMBOLS

PLAN
CORPORATE LIMITS
PROPERTY LINE
LOT LINE
LIMITED HIGHWAY EASEMENT
EXISTING RIGHT OF WAY
PROPOSED OR NEW R/W LINE

SLOPE INTERCEPT

REFERENCE LINE

EXISTING CULVERT

PROPOSED CULVERT
(Box or Pipe)

COMBUSTIBLE FLUIDS

MARSH AREA

WOODED OR SHRUB AREA

PROFILE
GRADE LINE
ORIGINAL GROUND
MARSH OR ROCK PROFILE
(To be noted as such)
SPECIAL DITCH

GRADE ELEVATION

CULVERT (Profile View)

UTILITIES

ELECTRIC

FIBER OPTIC

GAS

SANITARY SEWER

STORM SEWER

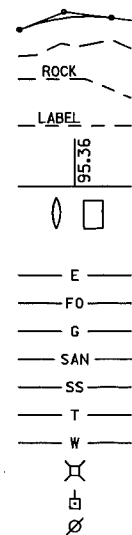
TELEPHONE

WATER

UTILITY PEDESTAL

POWER POLE

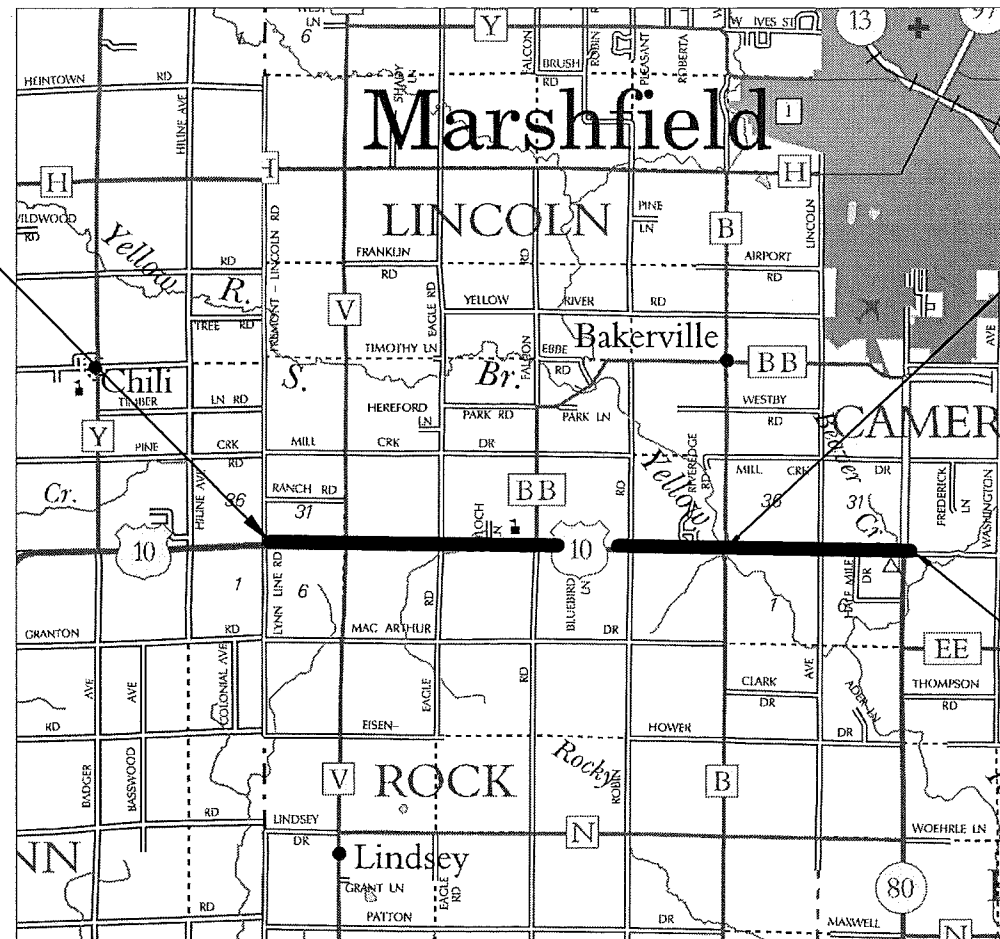
TELEPHONE POLE



T-24-N

T-25-N

BEGIN PROJECT
STA 9+70



LAYOUT
SCALE 0 1 MILE

TOTAL NET LENGTH OF CENTERLINE = 6.530 MI

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), WOOD COUNTY, NAD 1983 (2011).

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 NAVD 88 (2012).

STATE PROJECT

7030-00-74

FEDERAL PROJECT

PROJECT

WISC 2014392

CONTRACT

1

EXCEPTION TO NET \angle LENGTH
STA 263+68.94 - STA 266+17.46
B-71-159 OVER YELLOW RIVER BRIDGE

END PROJECT
STA 354+51

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	NCR
Designer	ALEIGHA AHLSTROM
Project Manager	WENDY ARNESON
Regional Examiner	CHERYL SIMON
Regional Supervisor	SHANNON RILEY

APPROVED FOR THE DEPARTMENT

DATE: 1/30/14 
(Signature)

E

GENERAL NOTES

RESHAPE AND SEED ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY OPERATION OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS.

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

PURSUANT TO CHAPTER 59 OF THE WISCONSIN STATUTES, THE CONTRACTOR SHALL CAREFULLY MAKE A SEARCH FOR EVIDENCE OF A LANDMARK IN ALL AREAS WHERE SUCH A LANDMARK MAY EXIST.

WORK WITH UTMOST CARE AND PROTECT ALL SURVEY MARKERS. REMOVAL OF ANY SURVEY MARKER IS TO BE WITH THE APPROVAL OF THE ENGINEER.

ENVIRONMENTAL CONTACT

DEPARTMENT OF NATURAL RESOURCES
DNR LIASION MARATHON AND PORTAGE COUNTIES
MARC HERSHFIELD
473 GRIFFITH DRIVE
WISCONSIN RAPIDS, WI 54494
PHONE: 715-421-7867
EMAIL: marc.hershfield@wisconsin.gov

DIGGERS



HOTLINE

Dial  or (800)242-8511

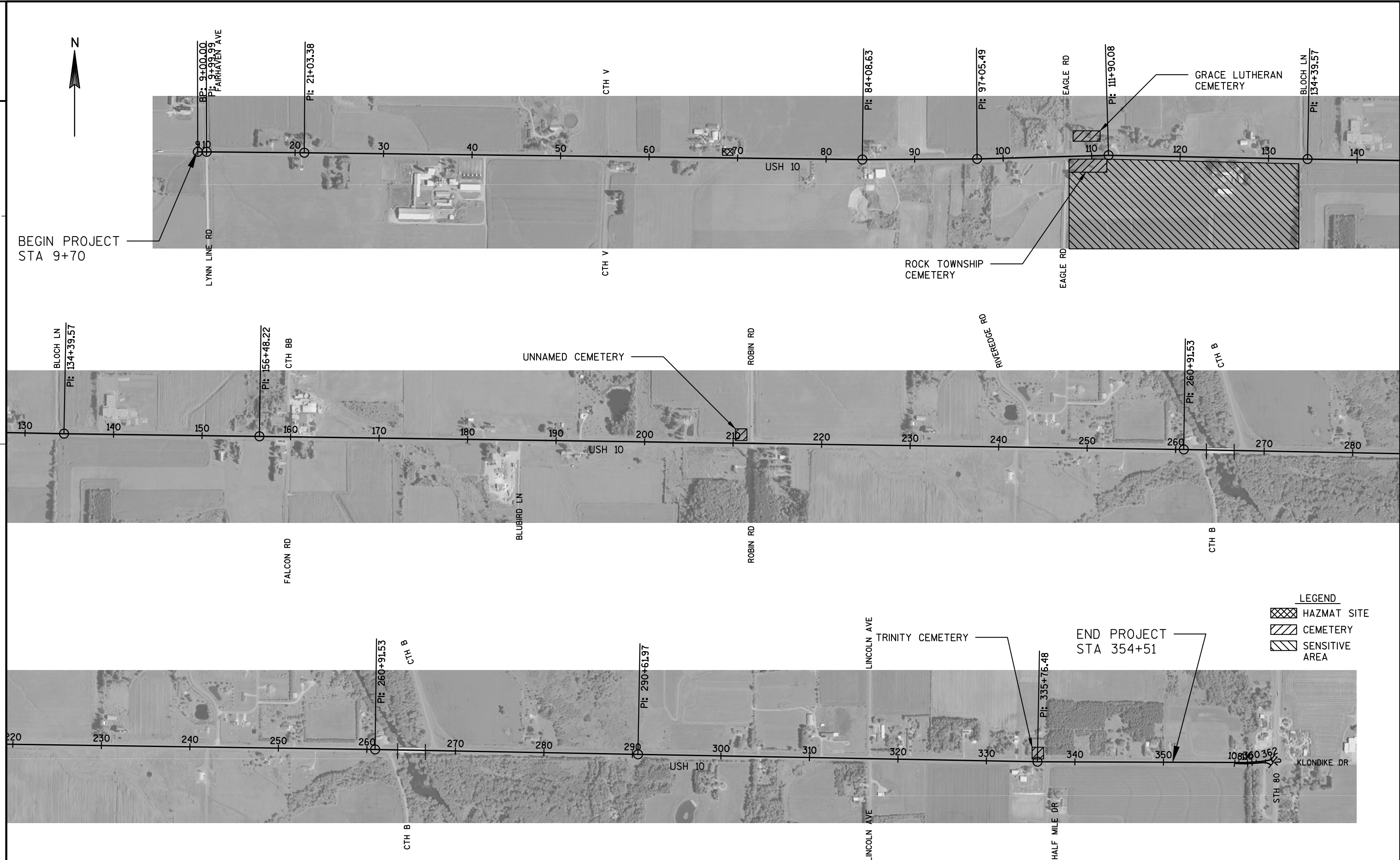
www.DiggersHotline.com

UTILITY CONTACTS

CHARTER COMMUNICATIONS, COMMUNICATION JESSE GRUNY 508 N CENTRAL AVE #103 MARSHFIELD, WI 54449 PHONE: N/A MOBILE: (715) 370-4171	CLARK ELECTRIC COOPERATIVE, ELECTRIC RICK SUDA 124 N MAIN ST P.O. BOX 190 GREENWOOD, WI 54437 PHONE: (715)267-6188 EXT 234 MOBILE: N/A
ENBRIDGE ENERGY, GAS/PETROLEUM DAVIS SCHULTZ 466 MIDLAND RD JANESVILLE, WI 53546 PHONE: (608) 756-0071 MOBILE: (920) 728-2604	FRONTIER COMMUNICATIONS OF WI LLC, COMMUNICATION TOM LOCKE 521 4TH STREET WAUSAU, WI 54401 PHONE: (715) 847-1550 MOBILE: (715) 216-3349
MARSHFIELD ELECTRIC AND WATER DEPT, ELECTRIC DERREK CAFLISCH 2000 S. Cetnral Ave MARSHFIELD, WI 54449 PHONE: (715) 507-0077 MOBILE: N/A	TDS TELECOM, COMMUNICATION STEVE JAKUBIEC 10 COLLEGE AVE, SUITE 218A PHONE: (920) 882-4166 MOBILE: (920) 562-7221
WE ENERGIES, GAS/PETROLEUM <u>WE ENERGIES CONSTRUCTION FIELD STAFF CONTACT:</u> THOMAS KROSTAG 1921 8TH STREET SOUTH WISCONSIN RAPIDS, WI 54494 PHONE: (715) 421-7268 MOBILE: (715) 459-1772	WINDSTREAM KDL INC., COMUNICATION DENNIS RUESS 8531 CTY RD FF WISCONSIN RAPIDS, WI 54494 PHONE: (715) 456-1249 MOBILE: (608) 512-5587
<u>SEND ALL WE ENERGIES CORRESPONDENCE TO:</u> WE ENERGIES ATTN: LA TROY BRUMFIELD 333 W EVERETT ST, A299 MILWAUKEE, WI 53203 PHONE: (414) 221-5617 EMAIL: latroy.brumfield@we-energies.com	WISCONSIN INDEPENDENT NETWORK LLC, COMM. LINE JOHN LOUIS 800 WISCONSIN ST BUILDING D02 SUITE 219 EAU CLAIRE, WI 54703 PHONE: (715) 838-4012 MOBILE: (715) 864-2918

2

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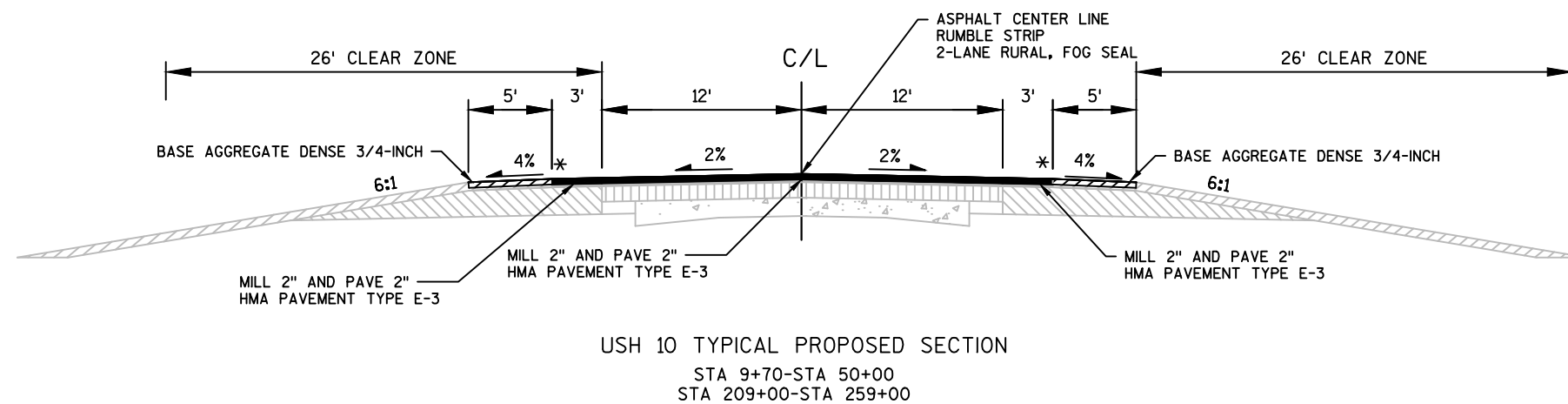
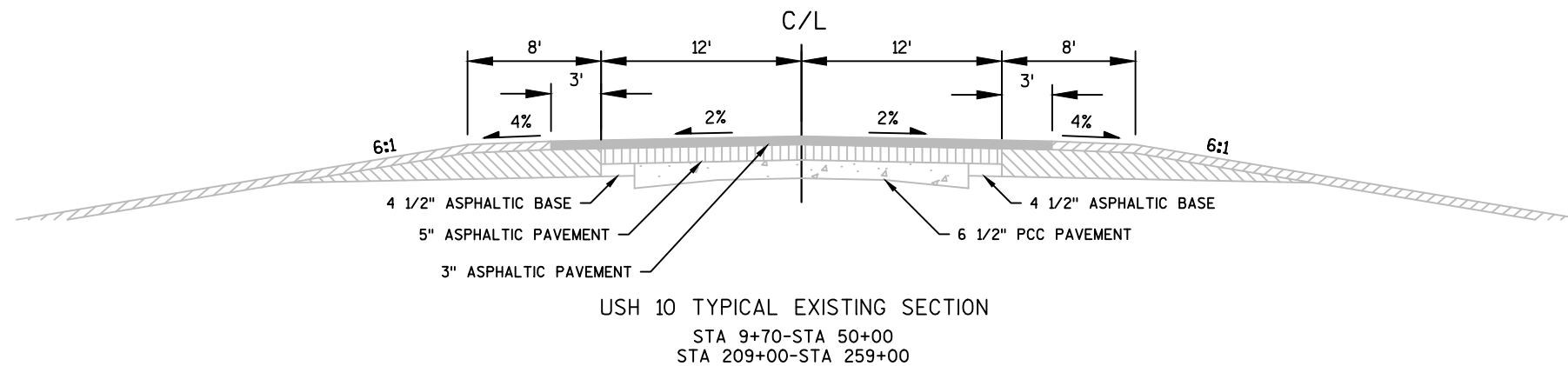


PROJECT NO: 7030-00-74	HWY: USH 10	COUNTY: WOOD	PLAN: PROJECT OVERVIEW	SHEET	E
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FILE NAME : N:\PDS\C3D\70300034\SHEETSPLAN\020201_PO.DWG	PLOT DATE : 1/23/2014 12:55 PM	PLOT BY : EVANS, TONY R	PLOT NAME :	PLOT SCALE : 1 IN:1000 FT	WISDOT/CADDS SHEET 44
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2

2 |



LEGEND

- | | |
|---|--|
|  | EXISTING ASPHALTIC PAVEMENT |
|  | EXISTING SHOULDER MATERIAL |
|  | EXISTING CONCRETE PAVEMENT |
|  | EXISTING CRUSHED AGGREGATE BASE COURSE |
|  | EXISTING BASE AGGREGATE DENSE 1 1/4-INCH |
|  | PROPOSED HMA PAVEMENT TYPE-3 |
|  | PROPOSED BASE AGGREGATE DENSE 3/4-INCH |
|  | SEE SDD SAFETY EDGE |

PROJECT NO: 7030-00-74

HWY: USH 10

COUNTY: WOOD

PLAN: TYPICAL SECTION

SHEET

[F]

FILE NAME : N:\PDS\C3D\70300034\SHEETSPLAN\020301_TS.DWG

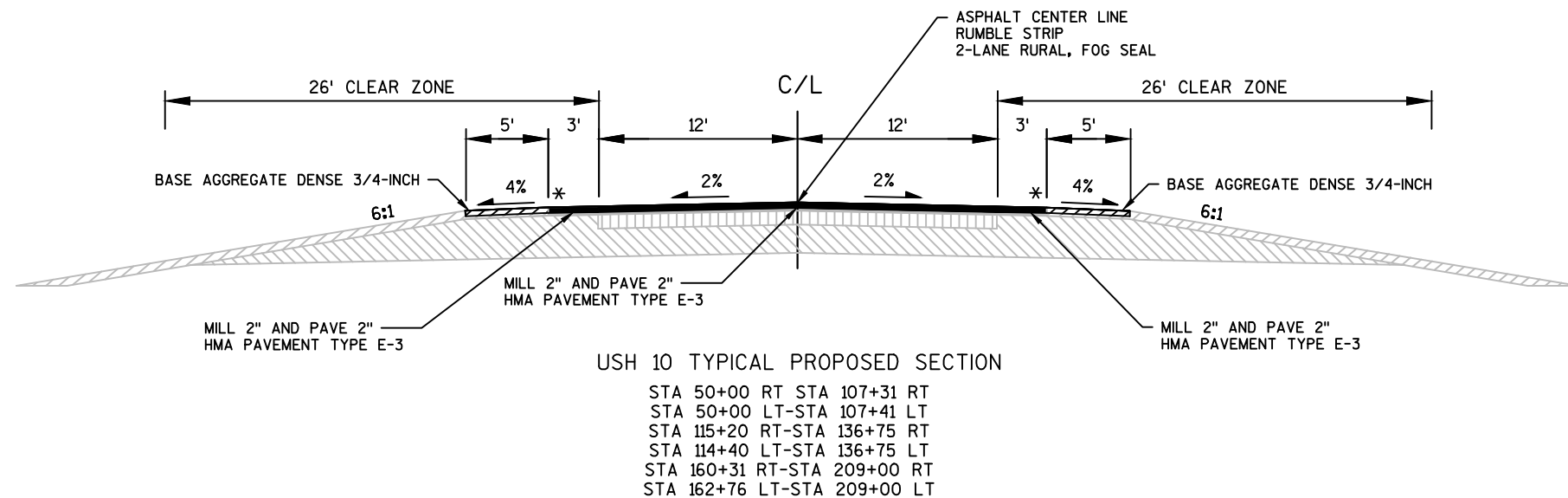
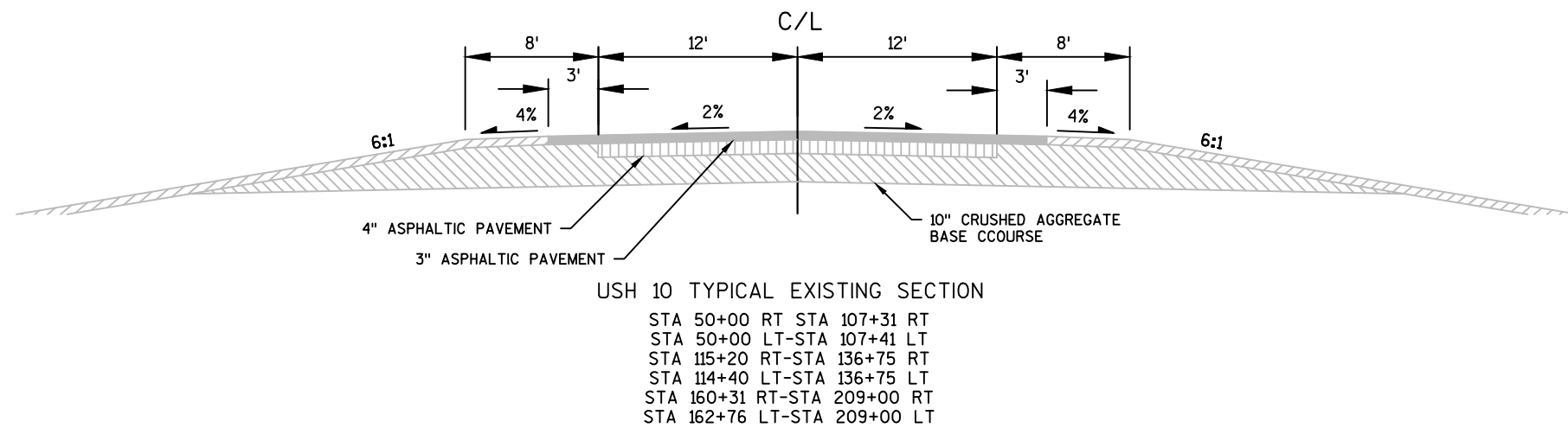
PLOT DATE : 1/28/2014 10:21 AM

PLOT BY : EVANS, TONY R

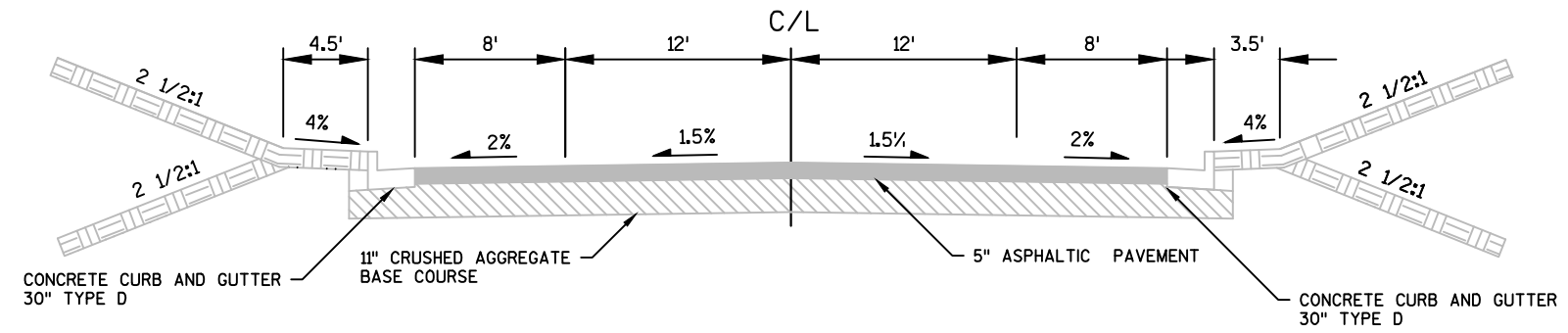
PLOT NAME :

PLOT SCALE : 1 IN:10 FT

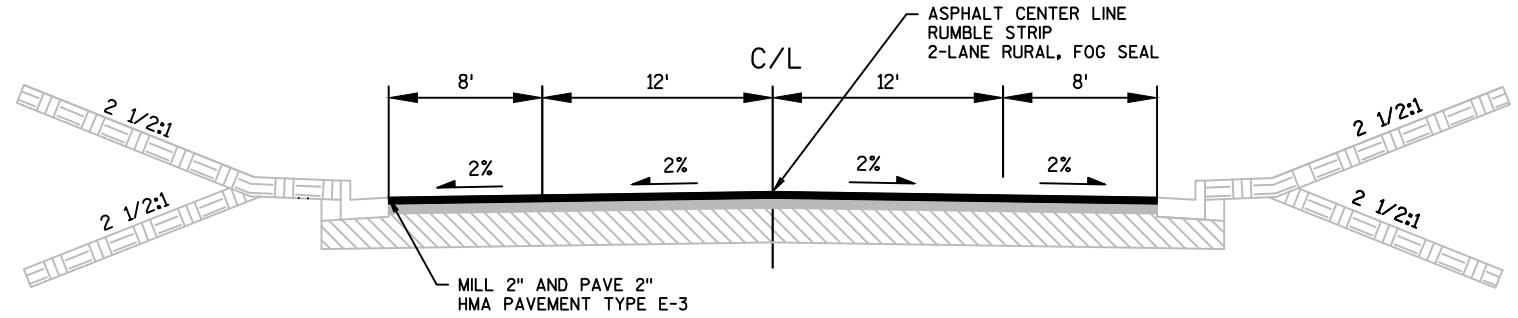
WISDOT/CADDS SHEET 42

**LEGEND**

- EXISTING ASPHALTIC PAVEMENT
- EXISTING SHOULDER MATERIAL
- EXISTING CONCRETE PAVEMENT
- EXISTING CRUSHED AGGREGATE BASE COURSE
- EXISTING BASE AGGREGATE DENSE 1 1/4-INCH
- PROPOSED HMA PAVEMENT TYPE-3
- PROPOSED BASE AGGREGATE DENSE 3/4-INCH
- * SEE SDD SAFETY EDGE



USH 10 TYPICAL EXISTING SECTION
TYPICAL HALF-SECTION
STA 158+19 RT-STA 160+31 RT ONLY
STA 156+76 LT-STA 162+76 LT ONLY
TYPICAL HALF-SECTION
STA 107+31 RT-STA 115+20 RT ONLY
STA 107+41 LT-STA 114+40 LT ONLY

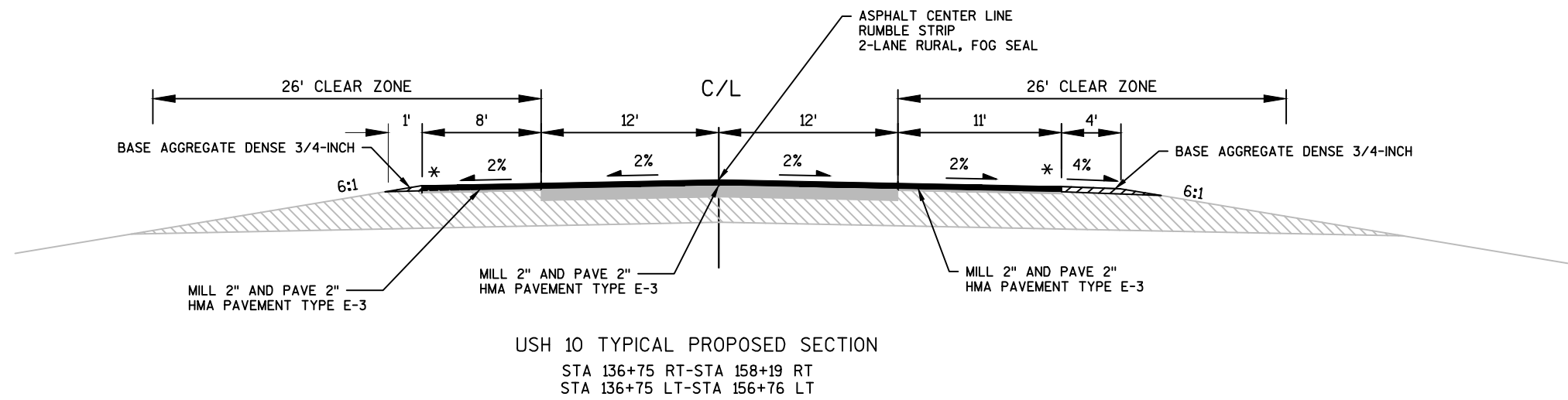
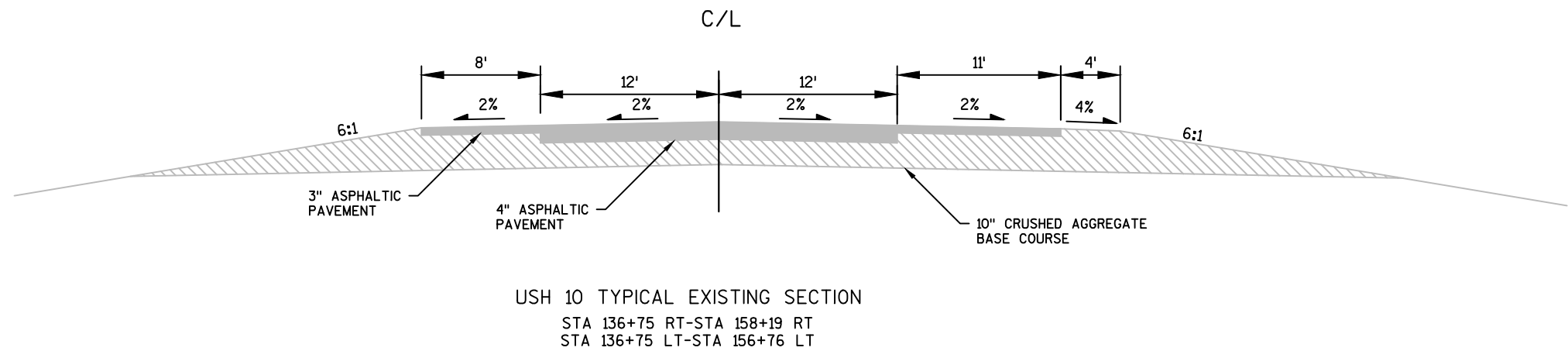


USH 10 TYPICAL PROPOSED SECTION
TYPICAL HALF-SECTION
STA 158+19 RT-STA 160+31 RT ONLY
STA 156+76 LT-STA 162+76 LT ONLY
TYPICAL HALF-SECTION
STA 107+31 RT-STA 115+20 RT ONLY
STA 107+41 LT-STA 114+40 LT ONLY

LEGEND

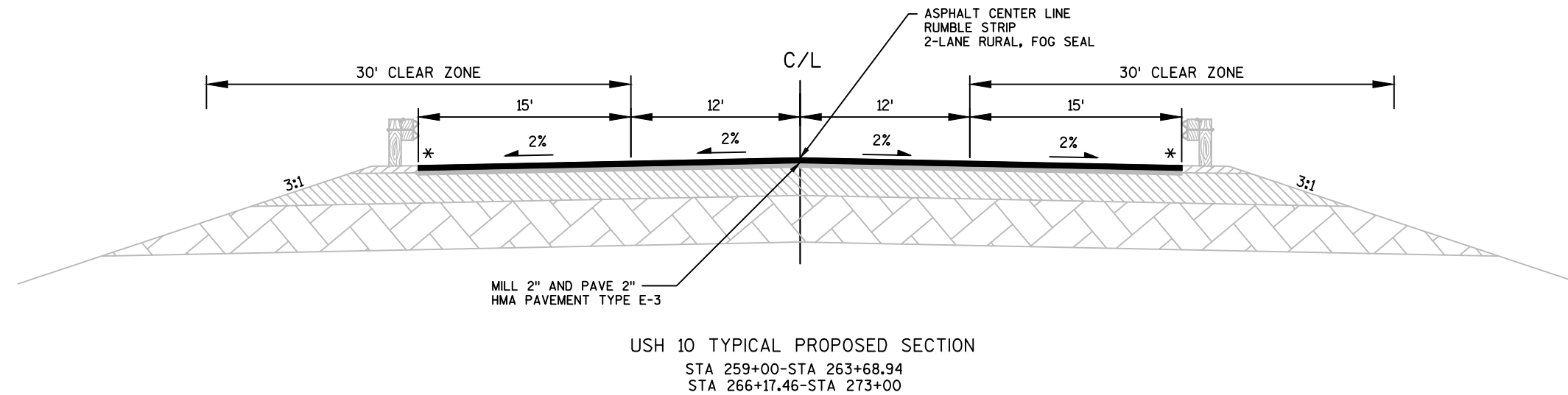
- EXISTING ASPHALTIC PAVEMENT
- EXISTING SHOULDER MATERIAL
- EXISTING CONCRETE PAVEMENT
- EXISTING CRUSHED AGGREGATE BASE COURSE
- EXISTING BASE AGGREGATE DENSE 1 1/4-INCH
- PROPOSED HMA PAVEMENT TYPE-3
- PROPOSED BASE AGGREGATE DENSE 3/4-INCH
- * SEE SDD SAFETY EDGE

NOTE: MILL 2" AT CURB AND GUTTER.
PROFILE MILL TO CENTERLINE.



LEGEND

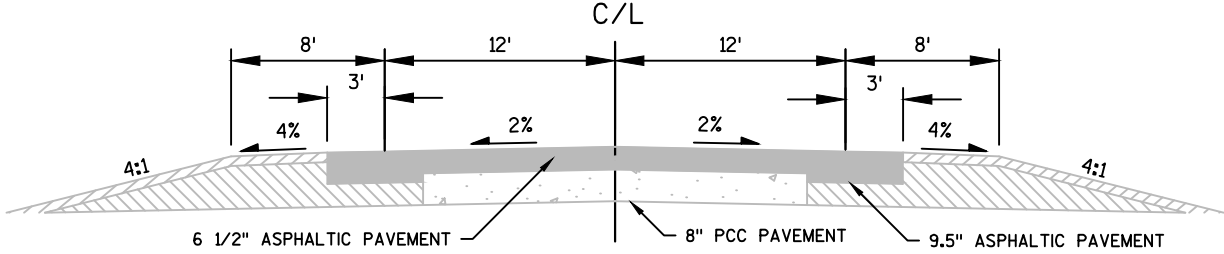
- EXISTING ASPHALTIC PAVEMENT
- EXISTING SHOULDER MATERIAL
- EXISTING CONCRETE PAVEMENT
- EXISTING CRUSHED AGGREGATE BASE COURSE
- EXISTING BASE AGGREGATE DENSE 1 1/4-INCH
- PROPOSED HMA PAVEMENT TYPE-3
- PROPOSED BASE AGGREGATE DENSE 3/4-INCH
- * SEE SDD SAFETY EDGE



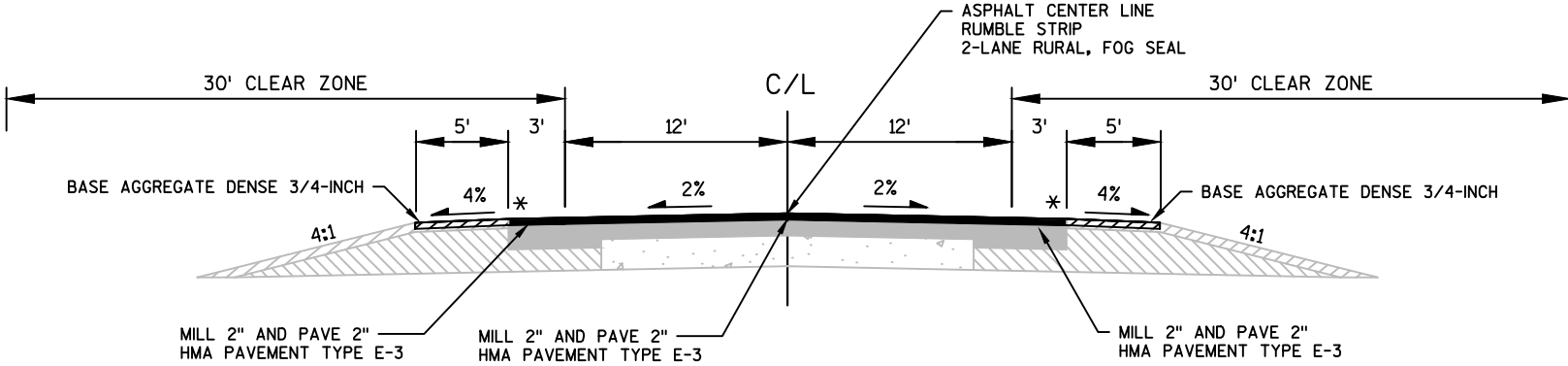
* SEE SDD SAFETY EDGE

2

2











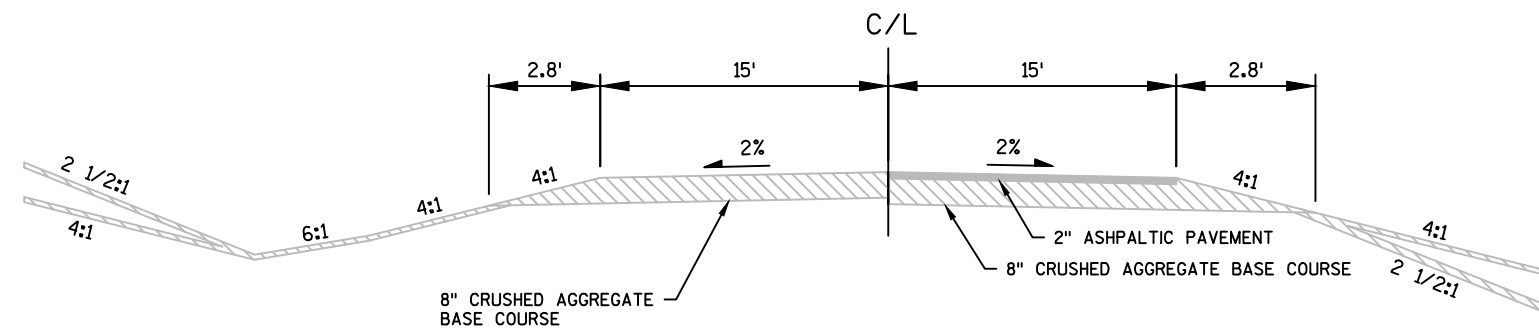
USH 10 TYPICAL EXISTING SECTION
STA 273+00-STA 354+51



USH 10 TYPICAL PROPOSED SECTION
STA 273+00-STA 354+51

LEGEND

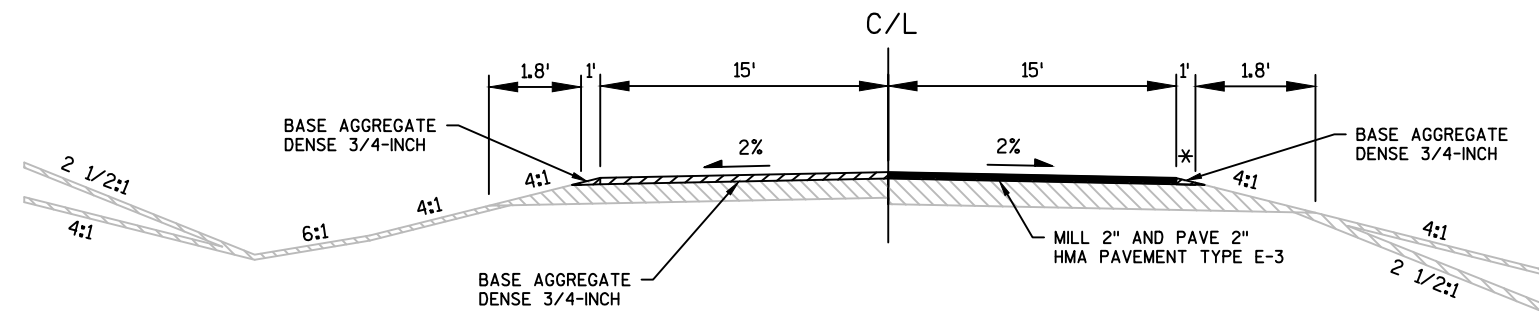
- | | |
|---|--|
|  | EXISTING ASPHALTIC PAVEMENT |
|  | EXISTING SHOULDER MATERIAL |
|  | EXISTING CONCRETE PAVEMENT |
|  | EXISTING CRUSHED AGGREGATE BASE COURSE |
|  | EXISTING BASE AGGREGATE DENSE 1 1/4-INCH |
|  | PROPOSED HMA PAVEMENT TYPE-3 |
|  | PROPOSED BASE AGGREGATE DENSE 3/4-INCH |
|  | SEE SDD SAFETY EDGE |



TOWN ROADS TYPICAL EXISTING SECTION

TYPICAL HALF-SECTION
LYNNLINE RD/FAIRHAVEN AVE
EAGLE RD SOUTH
BLUEBIRD LN
ROBIN RD

TYPICAL HALF-SECTION
EAGLE RD NORTH
BLOCH LN
FALCON RD
RIVEREDGE RD
LINCOLN AVE
HALF MILE DR











TOWN ROADS TYPICAL PROPOSED SECTION

TYPICAL HALF-SECTION
LYNNLINE RD/FAIRHAVEN AVE
EAGLE RD SOUTH
BLUEBIRD LN
ROBIN RD SOUTH

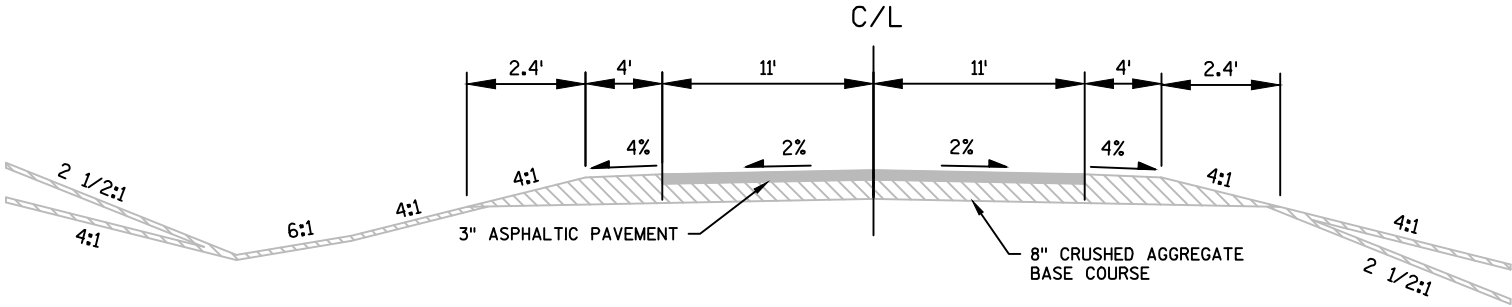
TYPICAL HALF-SECTION
EAGLE RD NORTH
BLOCH LN
FALCON RD
ROBIN ROAD NORTH
RIVEREDGE RD
LINCOLN AVE
HALF MILE DR

LEGEND

-  EXISTING ASPHALTIC PAVEMENT
-  EXISTING SHOULDER MATERIAL
-  EXISTING CONCRETE PAVEMENT
-  EXISTING CRUSHED AGGREGATE BASE COURSE
-  EXISTING BASE AGGREGATE DENSE 1 1/4-INCH
-  PROPOSED HMA PAVEMENT TYPE-3
-  PROPOSED BASE AGGREGATE DENSE 3/4-INCH
-  * SEE SDD SAFETY EDGE

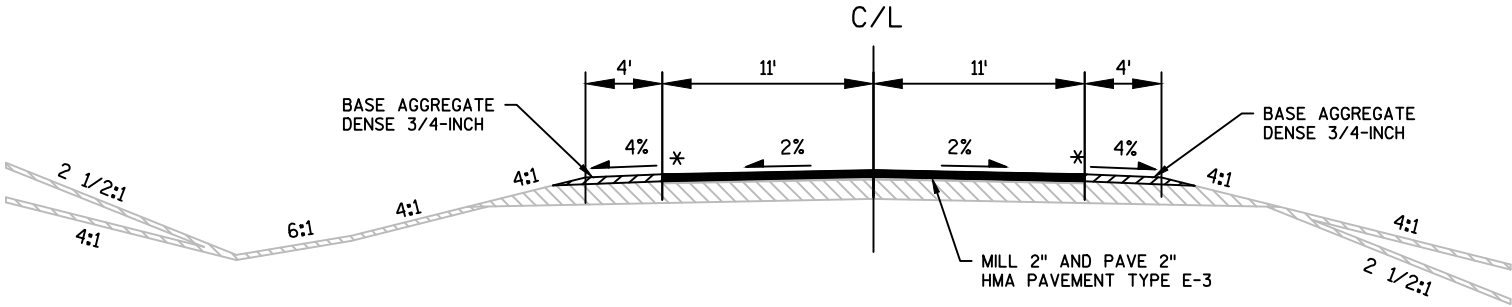
2

2



COUNTY TRUNK HIGHWAYS
TYPICAL EXISTING SECTION









COUNTY TRUNK V
COUNTY TRUNK BB
COUNTY TRUNK B

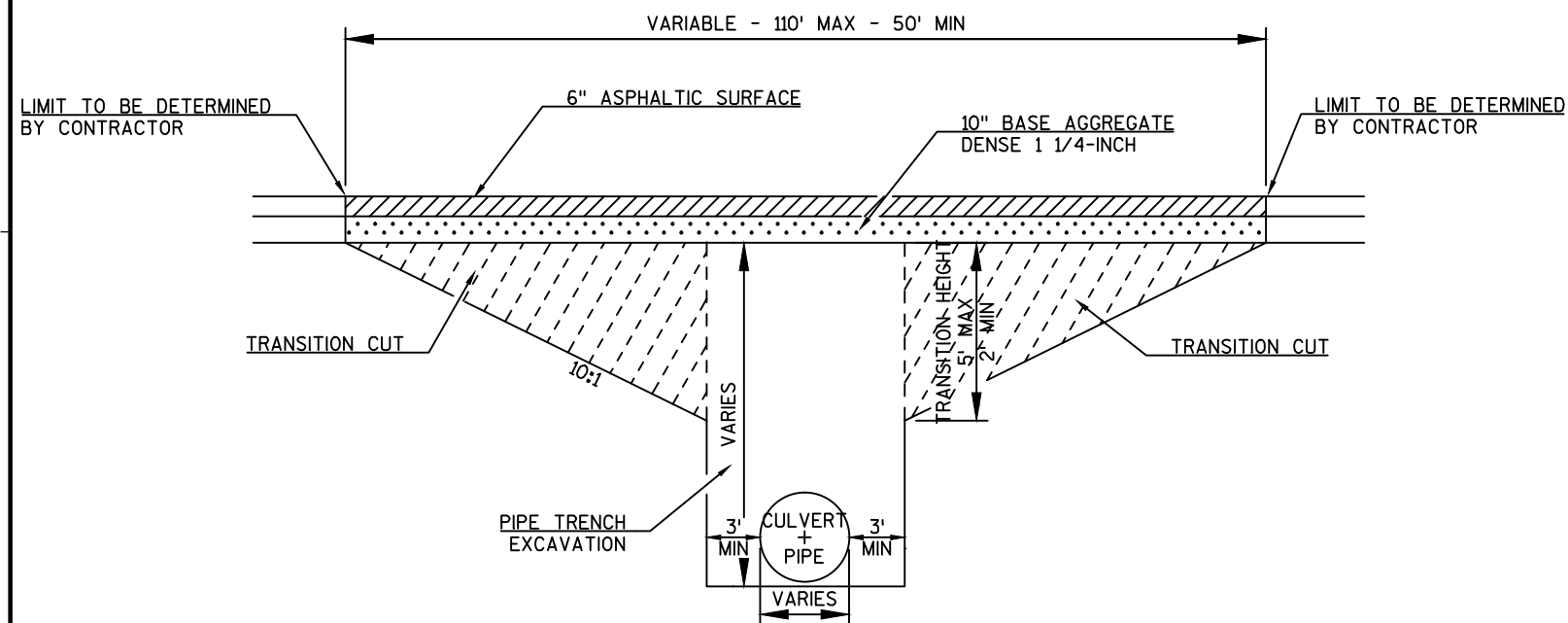


COUNTY TRUNK HIGHWAYS
TYPICAL PROPOSED SECTION

COUNTY TRUNK V
COUNTY TRUNK BB
COUNTY TRUNK B

LEGEND

- | | |
|---|--|
|  | EXISTING ASPHALTIC PAVEMENT |
|  | EXISTING SHOULDER MATERIAL |
|  | EXISTING CONCRETE PAVEMENT |
|  | EXISTING CRUSHED AGGREGATE BASE COURSE |
|  | EXISTING BASE AGGREGATE DENSE 1 1/4-INCH |
|  | PROPOSED HMA PAVEMENT TYPE-3 |
|  | PROPOSED BASE AGGREGATE DENSE 3/4-INCH |
|  | SEE SDD SAFETY EDGE |



EARTHWORK TABLE				
LOCATION	ESTIMATED PIPE DEPTH (FT)	TRANSITION HEIGHT (FT)	EXCAVATION COMMON (CY)	BACKFILL GRANULAR (CY)
STA 172+73	9.8	3.43'	SEE	SEE
STA 188+77	13.2	5.00'	MISCELLANEOUS	MISCELLANEOUS
STA202+52	8.7	2.72'	QUANTITIES	QUANTITIES

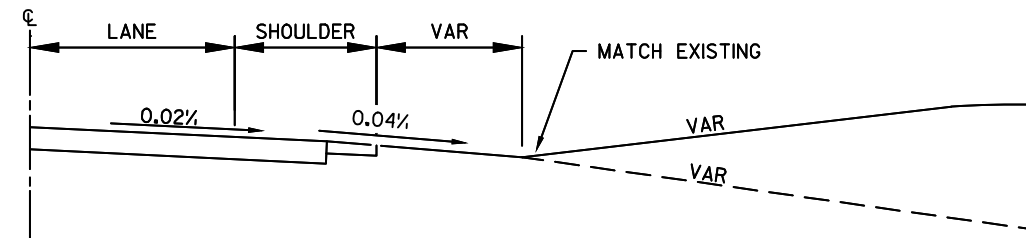
CULVERT PIPE TRANSITION

TO BE COMPLETED AT ALL CULVERT PIPE REPLACEMENT LOCATIONS
LOCATED ON USH 10

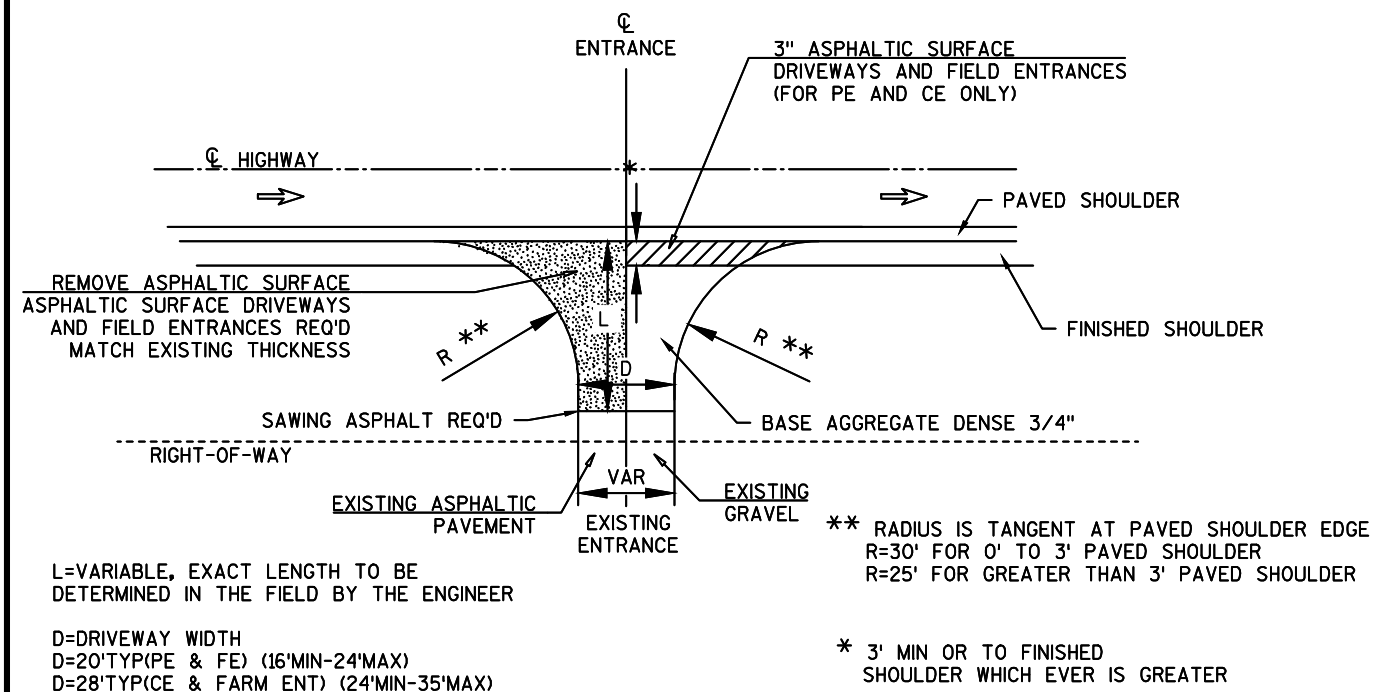
NOTE: GRANULAR BACKFILL REQUIRED TO COMPLETE CULVERT PIPE
REPLACEMENTS WILL BE PAID FOR AS BACKFILL GRANULAR.

PIPE TRENCH EXCAVATION, EXCLUDING TRANSITION CUT IS
CONSIDERED INCIDENTAL TO PIPE INSTALLATION. TRANSITION
CUT WILL BE PAID FOR AS EXCAVATION COMMON.

TRANSITION CUT WILL BE SHOULDER POINT TO SHOULDER
POINT, HALF OF SHOULDER POINT TO SHOULDER POINT EACH
SIDE OF CENTERLINE.

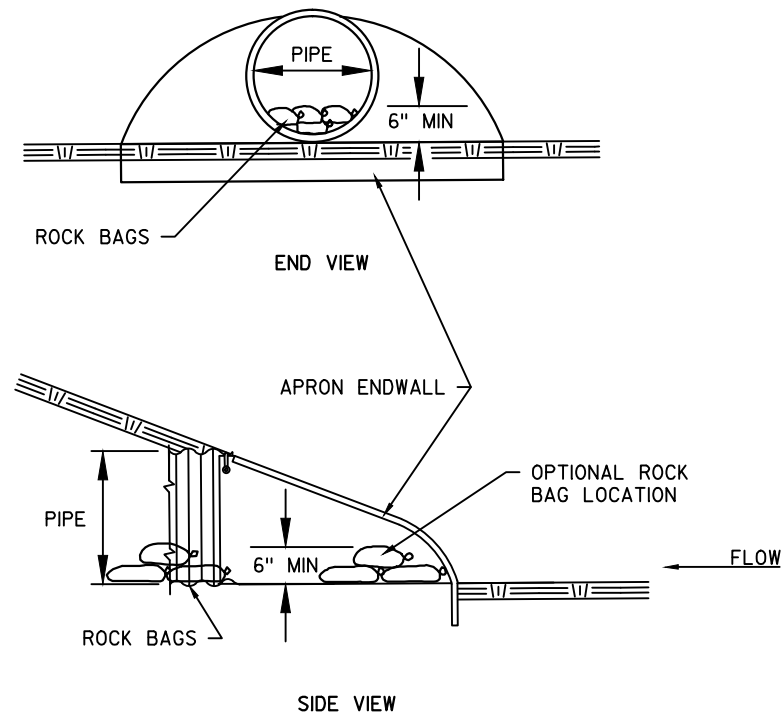


TYPICAL PROFILE VIEW

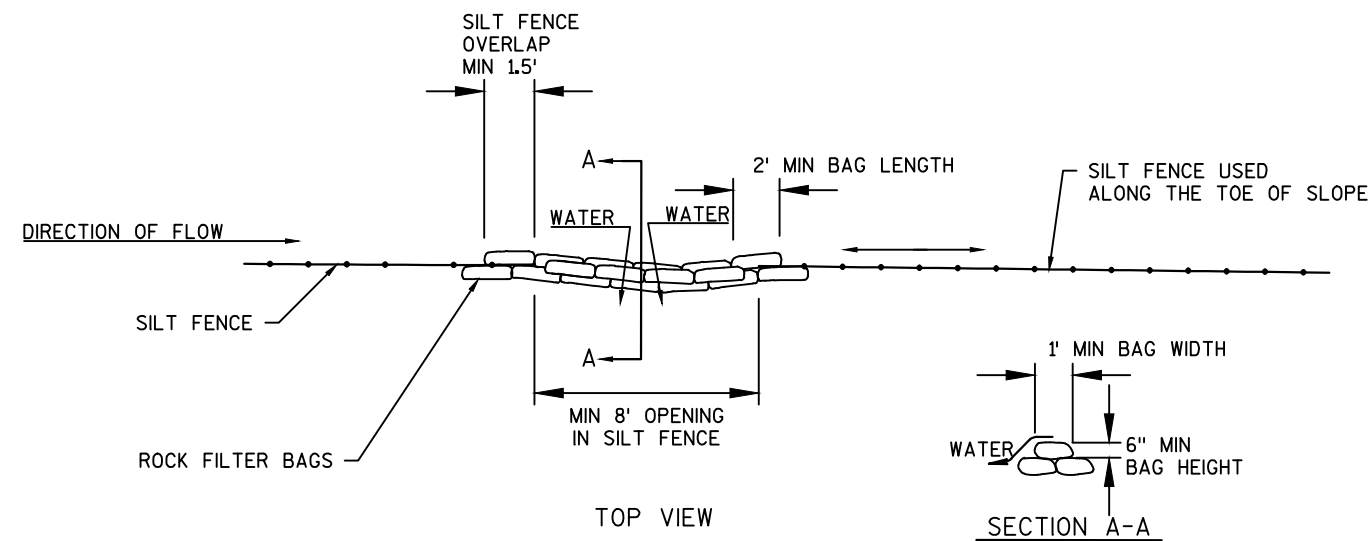


PLAN VIEW

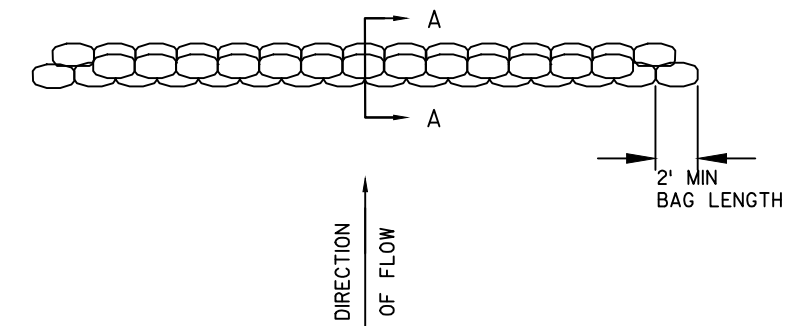
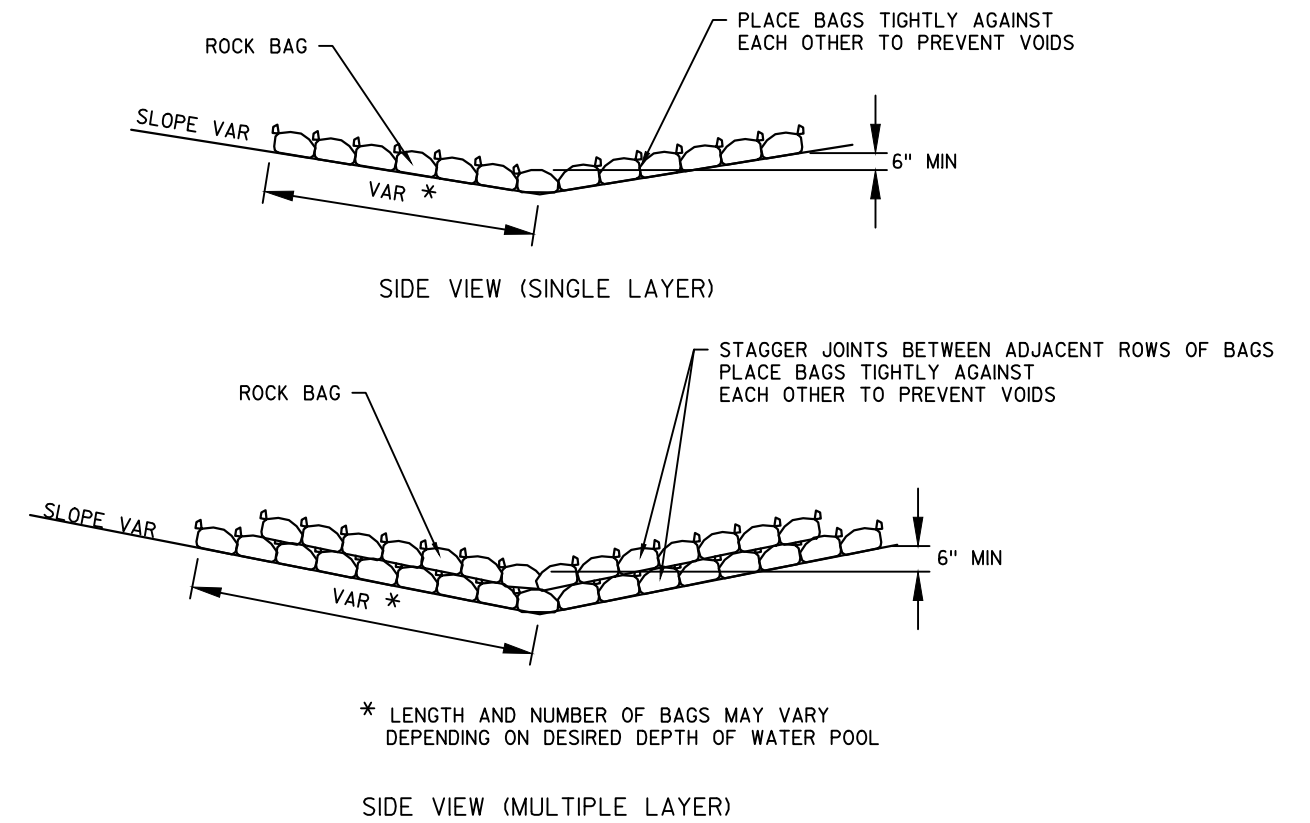
RURAL DRIVEWAY INTERSECTION
(PE, FE & CE)
(FOR RESURFACING PROJECTS)



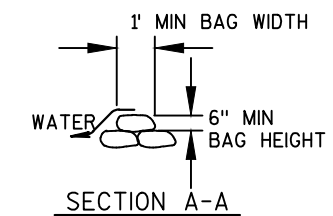
CULVERT PIPE CHECK
(INSTALL ON INLET END ONLY)



ROCK BAGS USED FOR SILT FENCE RELIEF

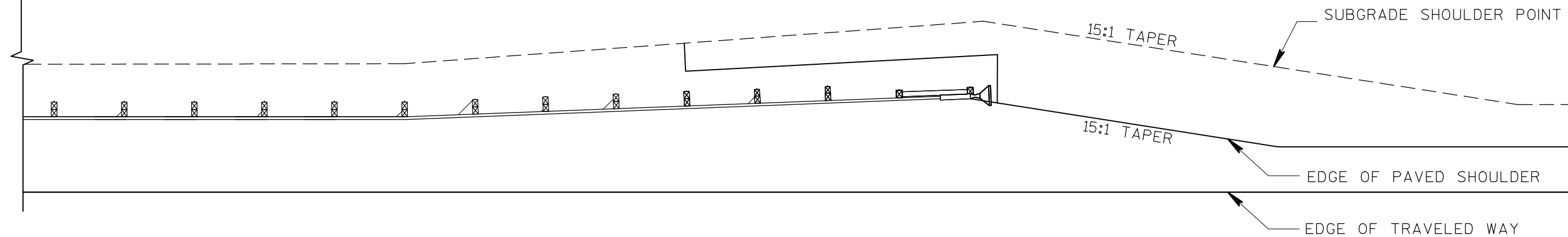


TOP VIEW (MULTIPLE LAYER)



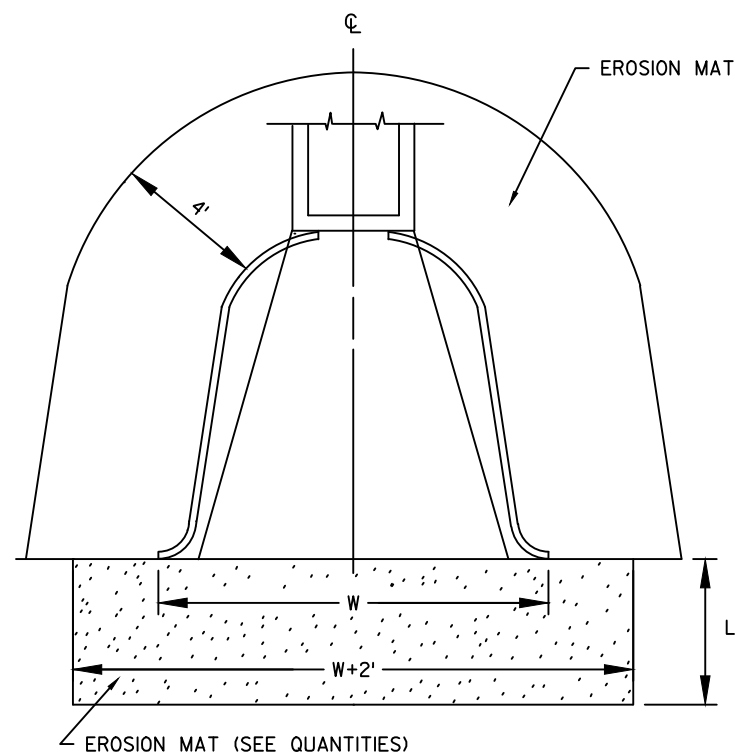
ROCK BAGS USED FOR DITCH CHECKS

2



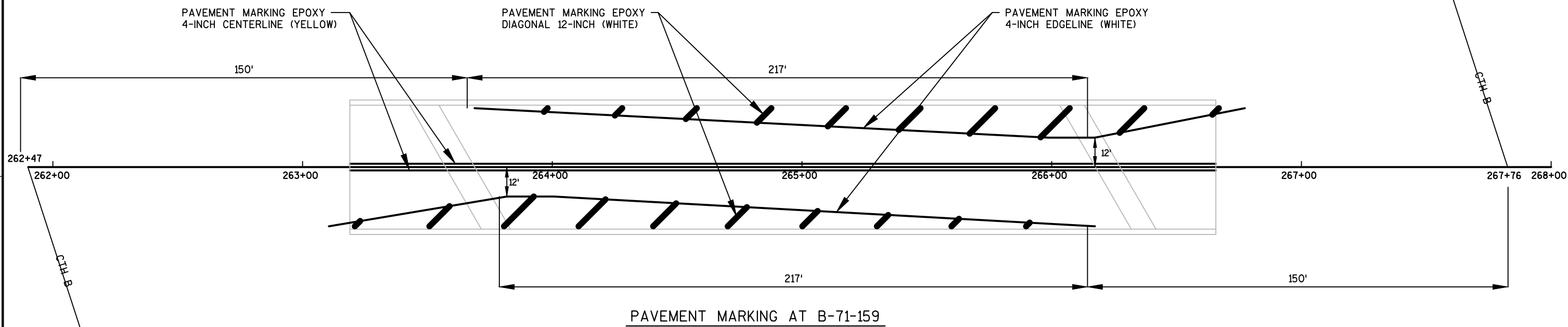
SHOULDER PAVING AT GUARDRAIL DETAIL

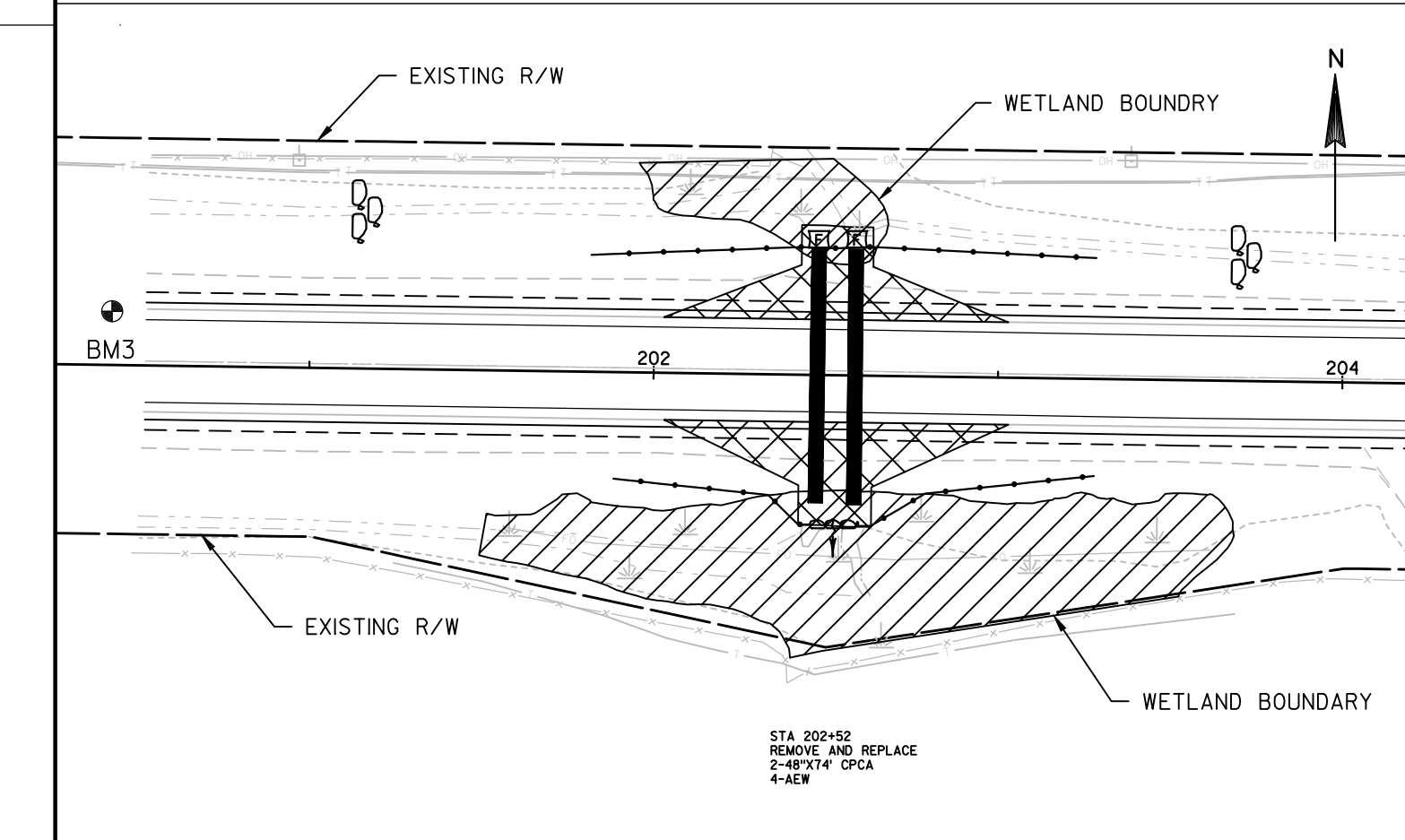
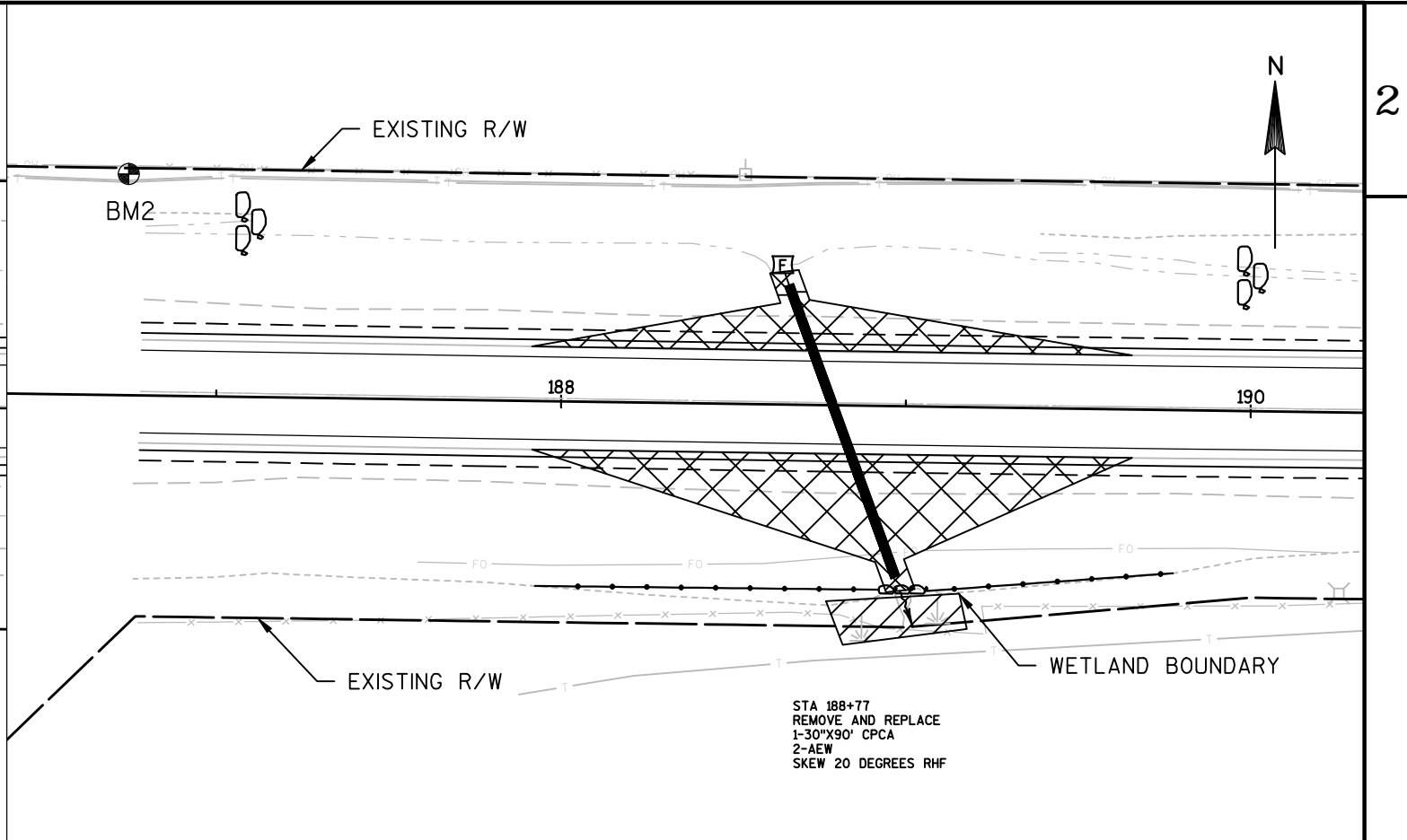
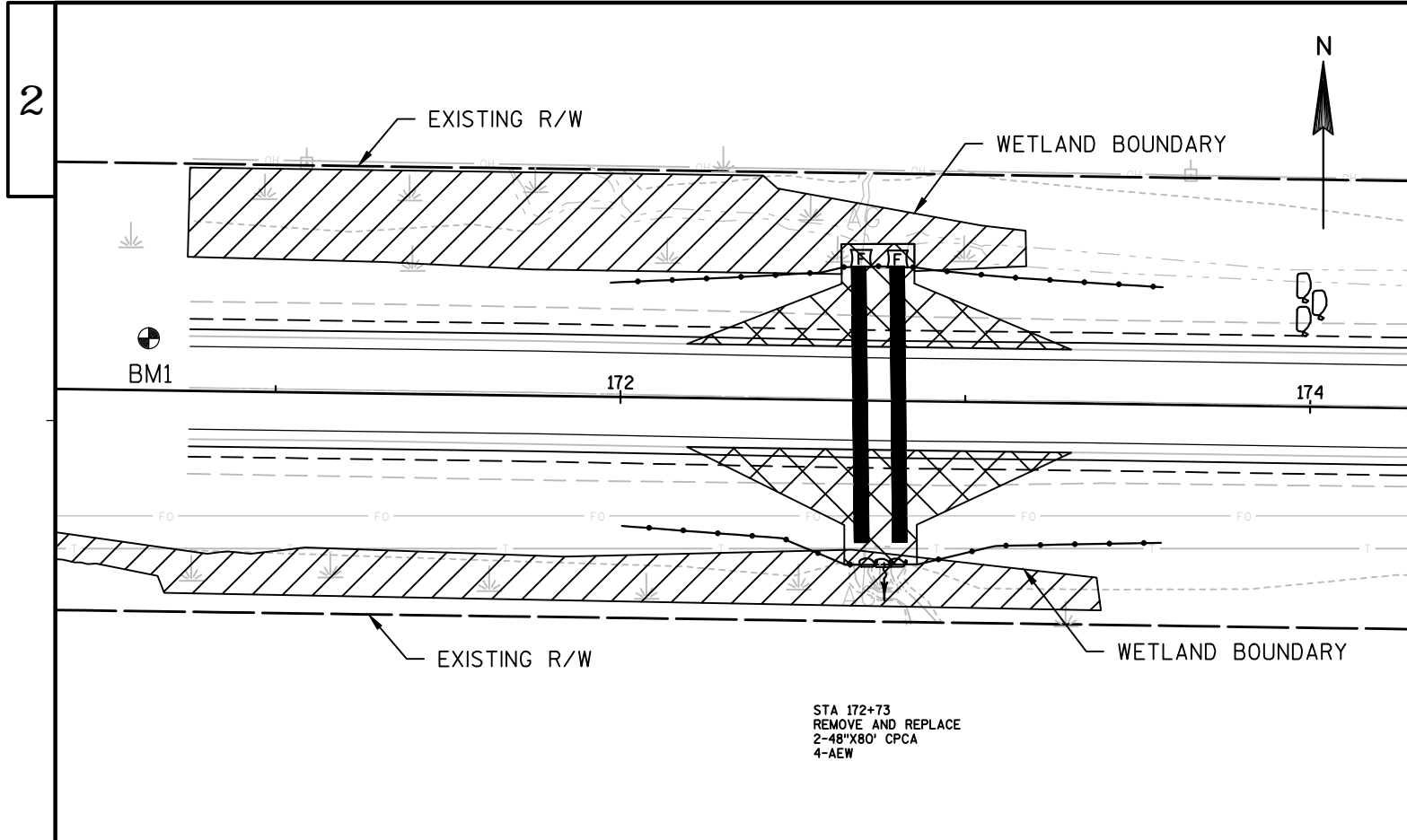
2



EROSION CONTROL AT PIPE ENDS

L = 3 TIMES DIAMETER OR 10' MIN.
INCREASE IF WARRANTED





BENCH MARKS					
NO.	STATION	DESCRIPTION	Y	X	ELEV.
BM1	170+62.98	(15.02'LT)	527783.2420	617764.2950	1279.21
BM2	186+73.66	(64.15'LT)	527809.4320	619375.5170	1267.32
BM3	200+42.52	(15.56'LT)	527741.3540	620743.5470	1225.24

LEGEND

- - - CULVERT PIPE
- - - SILT FENCE
- - - SILT FENCE RELIEF
- [X] EROSION MAT CLASS 1 URBAN TYPE B, SEED, FERTILIZER, 4 INCH TOPSOIL
- - - EXISTING CULVERT
- [E] CULVERT PIPE CHECK (SEE CONSTRUCTION DETAIL)
- [R] ROCK BAGS TEMP DITCH CHECK (SEE CONSTRUCTION DETAIL)
- - - WATER FLOW DIRECTION
- [Hatched] WETLANDS
- [Cross-hatched] PERMITTED WETLAND IMPACTS, NON-MITIGATED (TEMPORARY IMPACT)

PROJECT NO: 7030-00-74

HWY: USH 10

COUNTY: WOOD

EROSION CONTROL AND CULVERT PIPES

SHEET

E

2








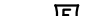




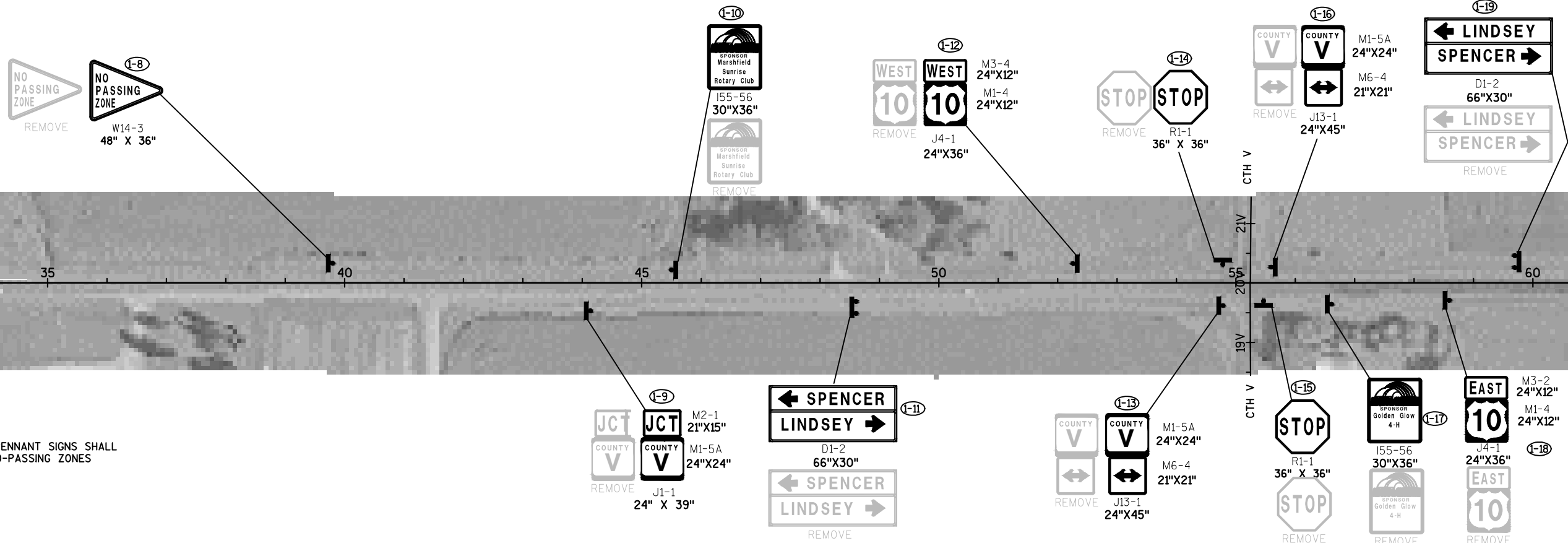
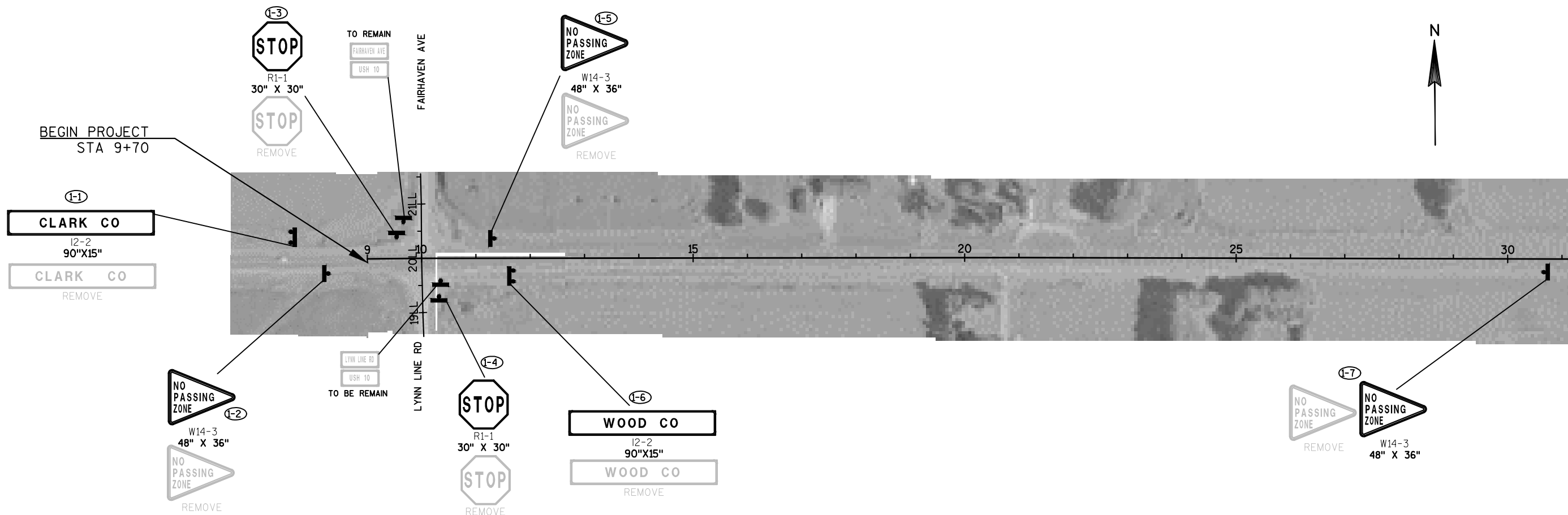
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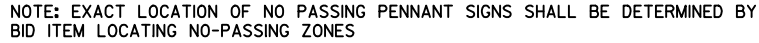
BENCH MARKS

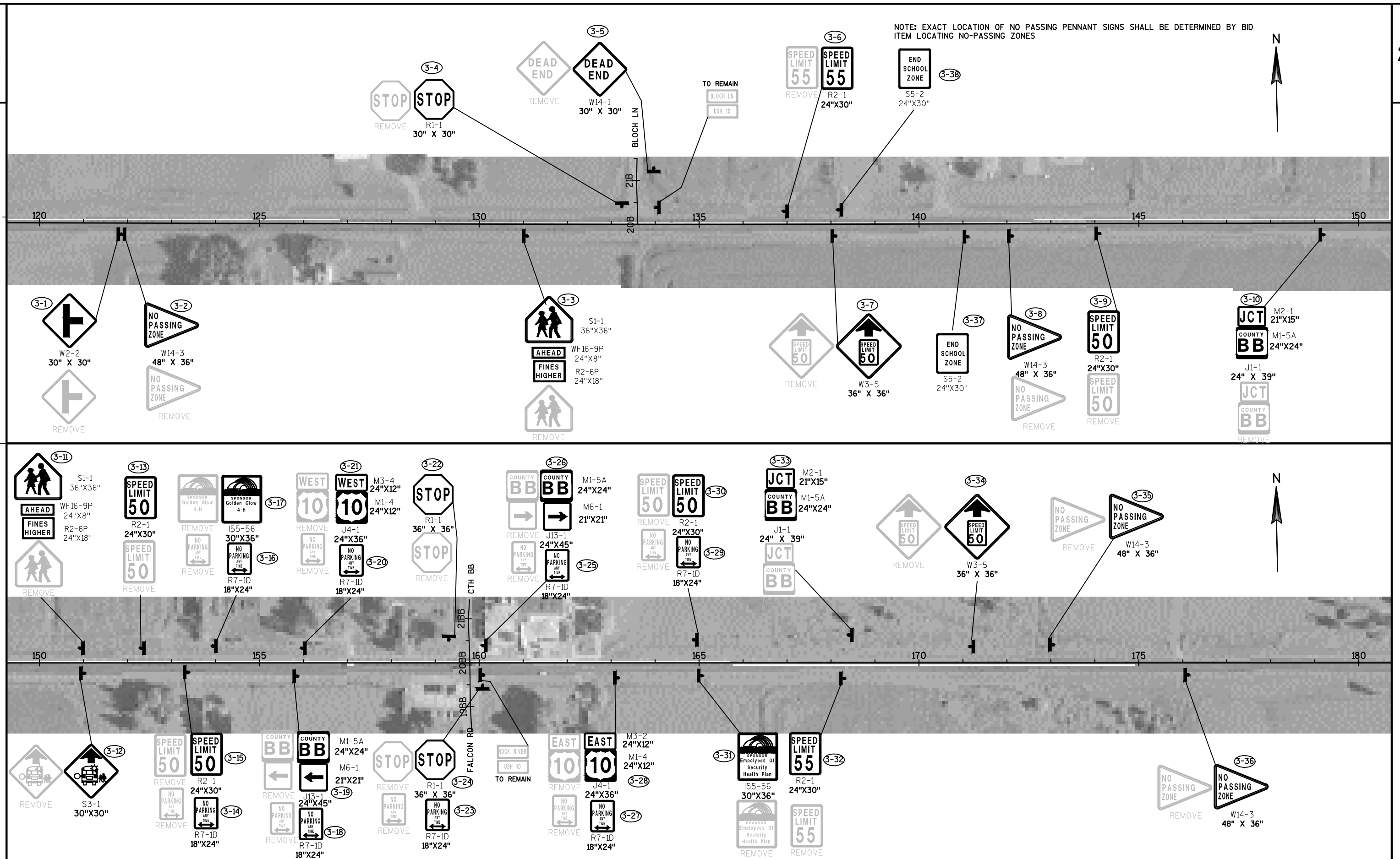
LEGEND

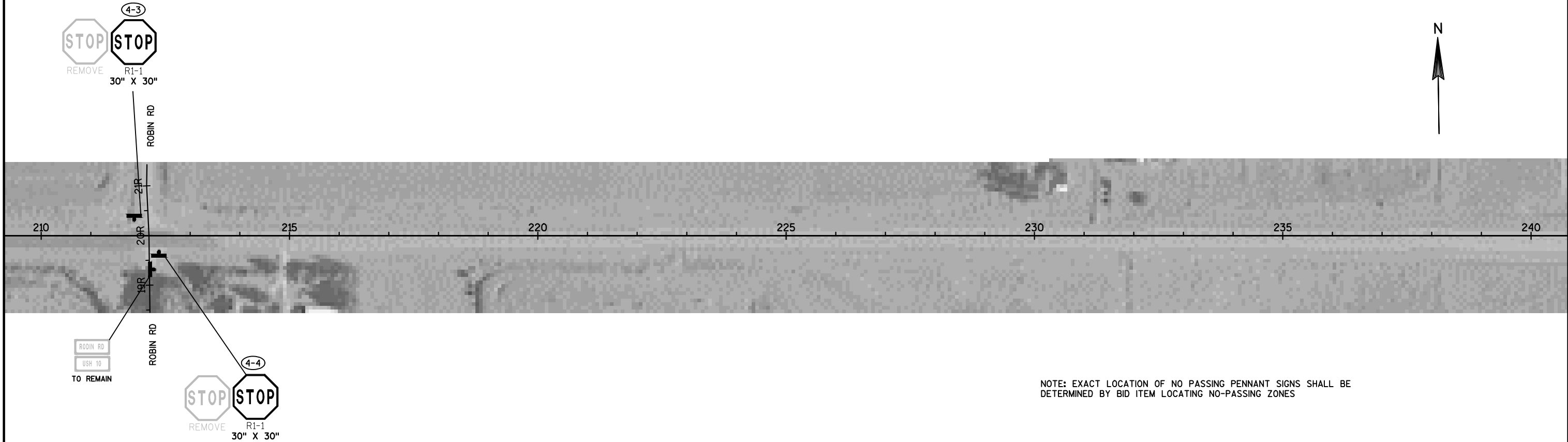
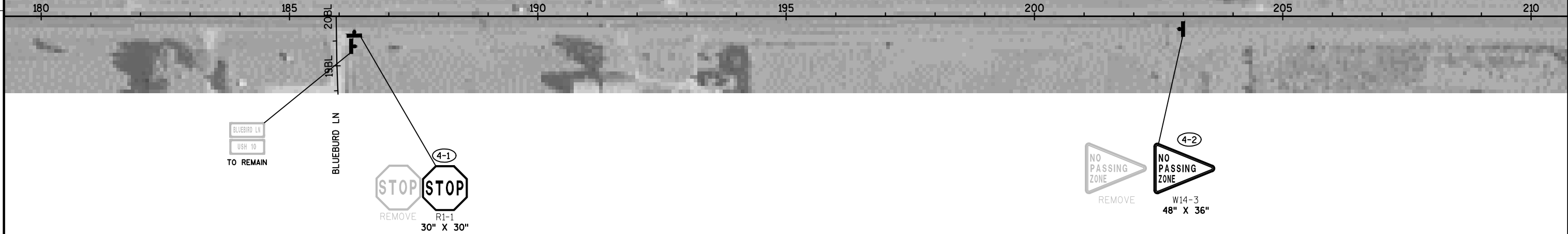
- | | |
|---|---|
|  | CULVERT PIPE |
|  | SILT FENCE |
|  | SILT FENCE RELIEF |
|  | EROSION MAT CLASS 1 URBAN TYPE B, SEED, FERTILIZER, 4 INCH TOP SOIL |
|  | EXISTING CULVERT |
|  | CULVERT PIPE CHECK (SEE CONSTRUCTION DETAIL) |
|  | ROCK BAGS TEMP DITCH CHECK (SEE CONSTRUCTION DETAIL) |
|  | WATER FLOW DIRECTION |
|  | WETLANDS |
|  | PERMITTED WETLAND IMPACTS, NON-MITIGATED (TEMPORARY IMPACT) |



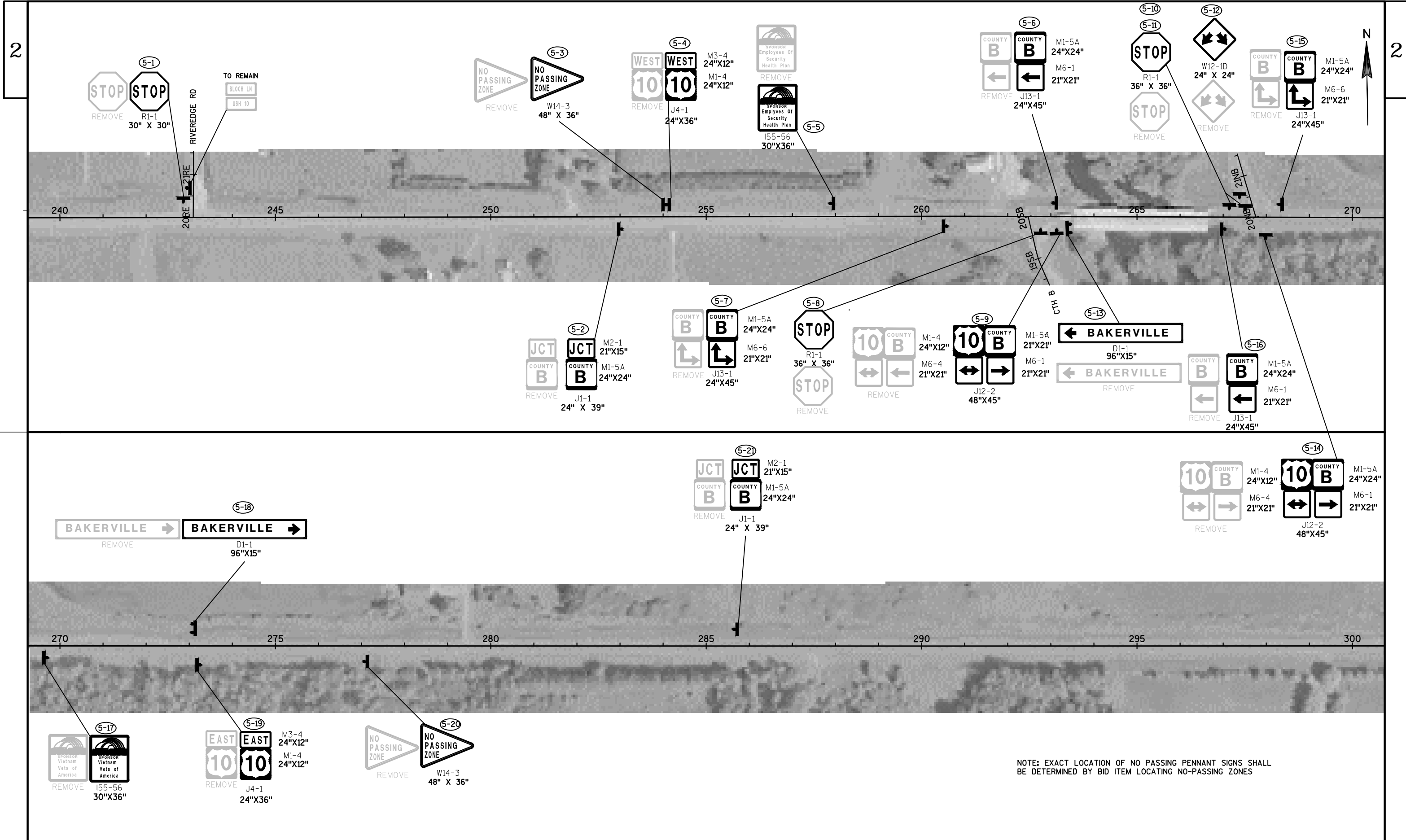
NOTE: EXACT LOCATION OF NO PASSING PENNANT SIGNS SHALL
BE DETERMINED BY BID ITEM LOCATING NO-PASSING ZONES



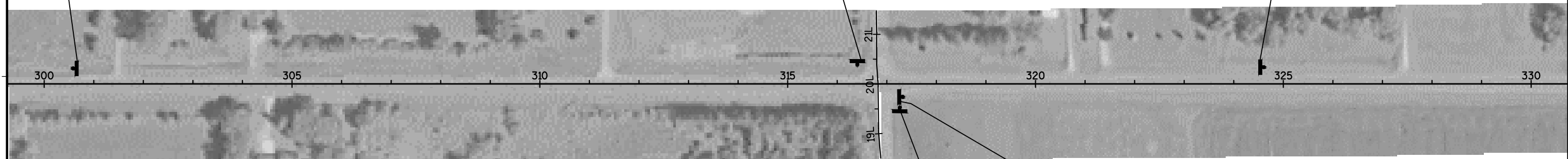
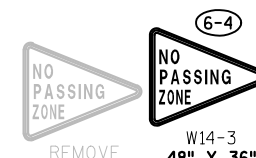




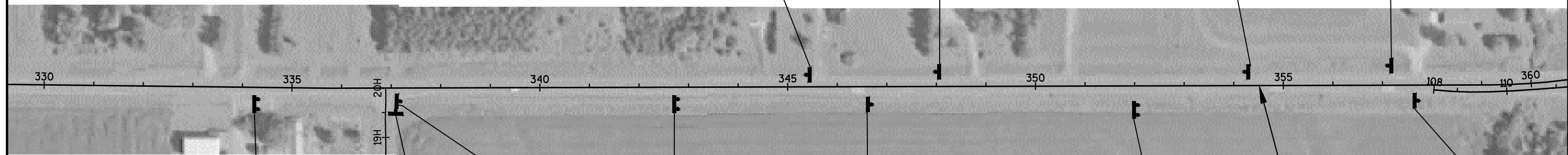
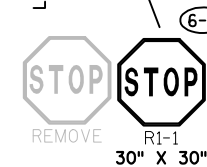
NOTE: EXACT LOCATION OF NO PASSING PENNANT SIGNS SHALL BE DETERMINED BY BID ITEM LOCATING NO-PASSING ZONES



NOTE: EXACT LOCATION OF NO PASSING PENNANT SIGNS SHALL BE DETERMINED BY BID ITEM LOCATING NO-PASSING ZONES



TO REMAIN



**SPEED
LIMIT
55**

EXISTING TO REMAIN

NEILLSVILLE 23
EXISTING TO REMAIN



EXISTING TO REMAIN



EXISTING TO REMAIN

WAYSIDE
1/2 MILE
REMOVE

HISTORICAL MARKER
REMOVE

HALF MILE DR
US\$ 10
TO REMAIN

D5-61
48"X24"

DB5-69
48"X9"

WAYSIDE
1/2 MILE

HISTORICAL MARKER

EXISTING TO REMAIN

EXISTING TO REMAIN

END PROJECT
STA 354+51

EXISTING TO REMAIN

PROJECT NO: 7030-00-74

HWY: USH 10

COUNTY: WOOD

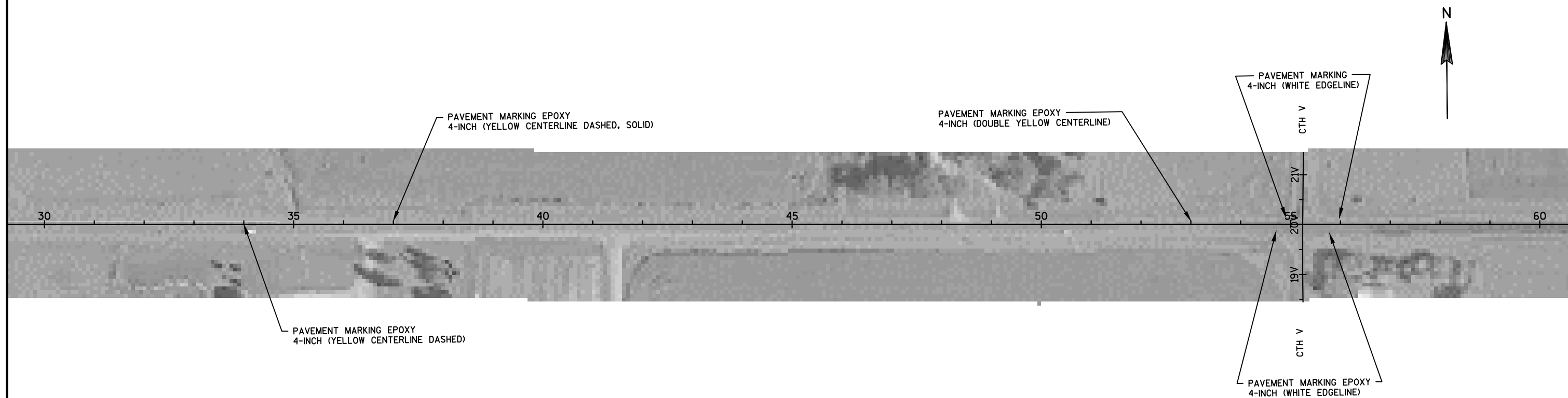
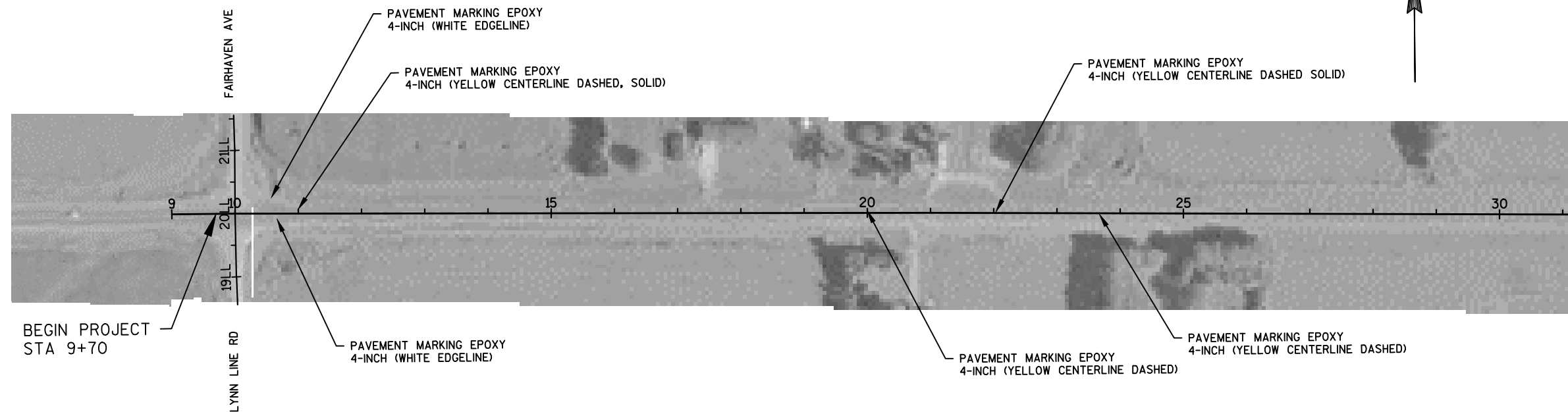
PERMANENT SIGNING

SHEET

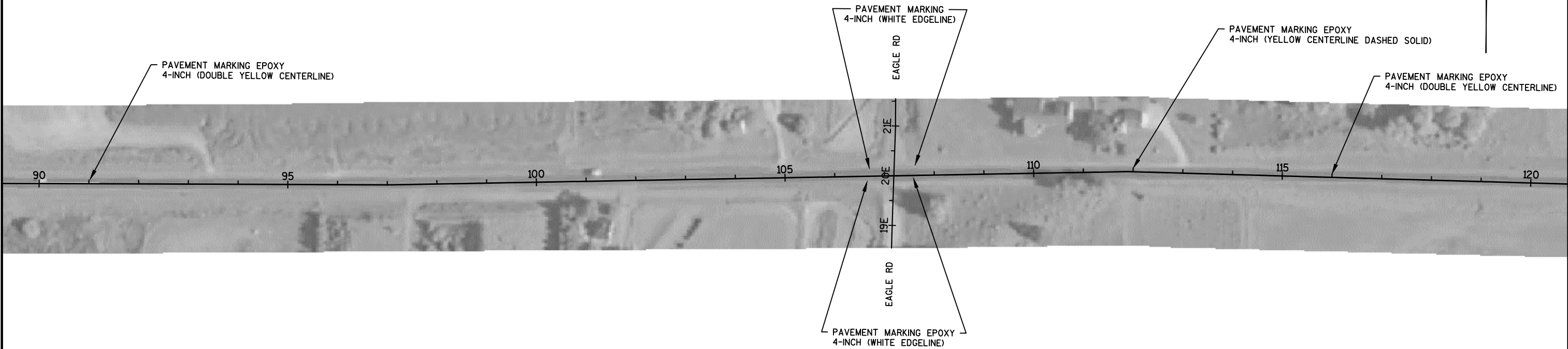
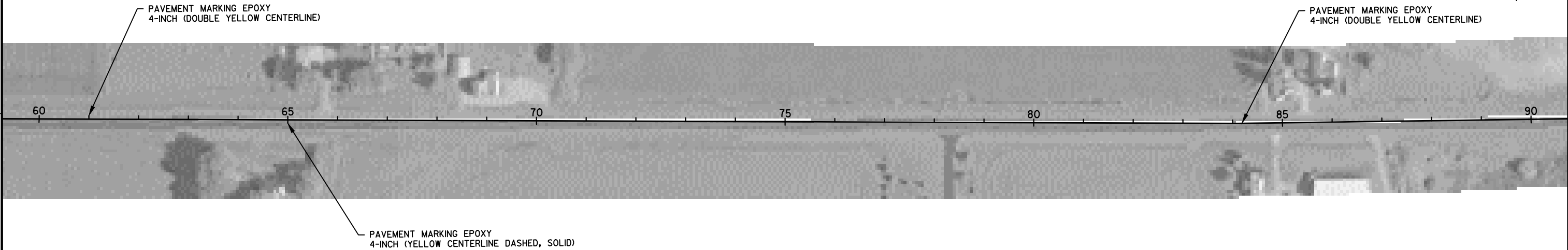
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NOTE: EXACT LOCATION OF DOUBLE YELLOW CENTER LINE SHALL BE
DETERMINED BY BID ITEM LOCATING NO-PASSING ZONES

MATCH INTO EXISTING PAVEMENT MARKING



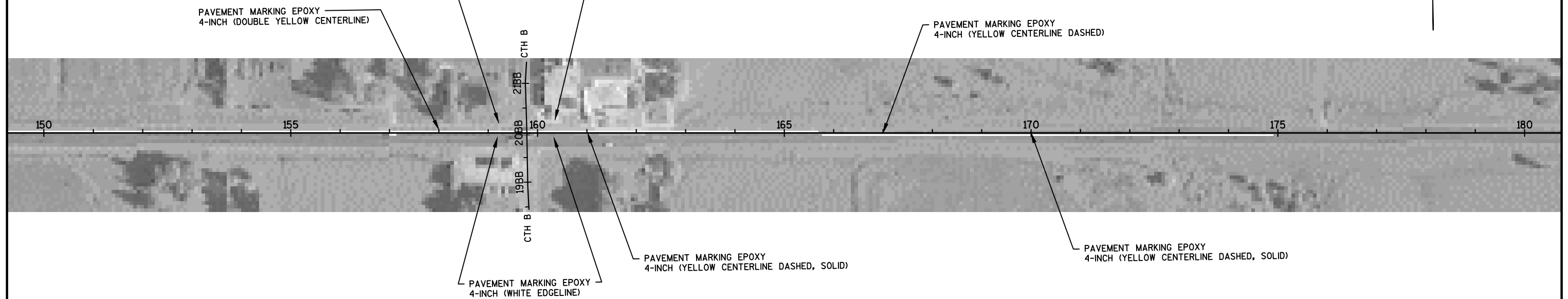
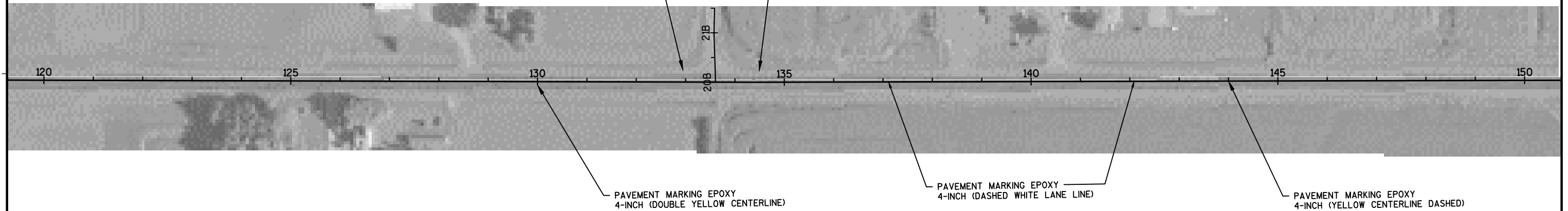
NOTE: EXACT LOCATION OF DOUBLE YELLOW CENTER LINE SHALL BE DETERMINED BY BID ITEM LOCATING NO-PASSING ZONES



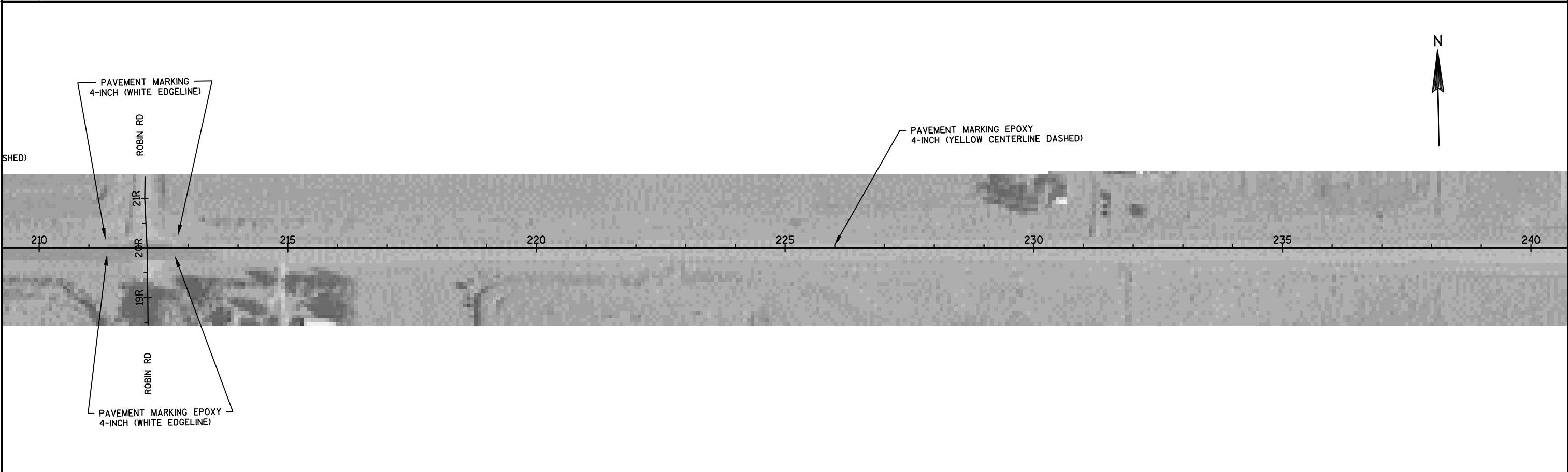
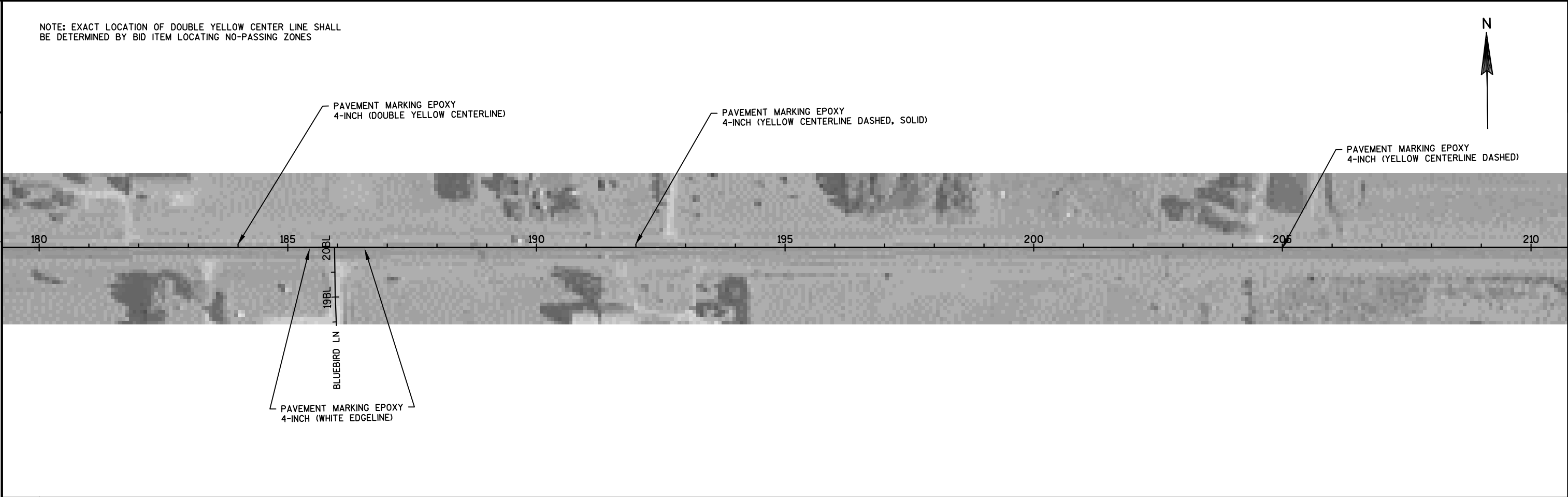
NOTE: EXACT LOCATION OF DOUBLE YELLOW CENTER LINE SHALL BE
DETERMINED BY BID ITEM LOCATING NO-PASSING ZONES



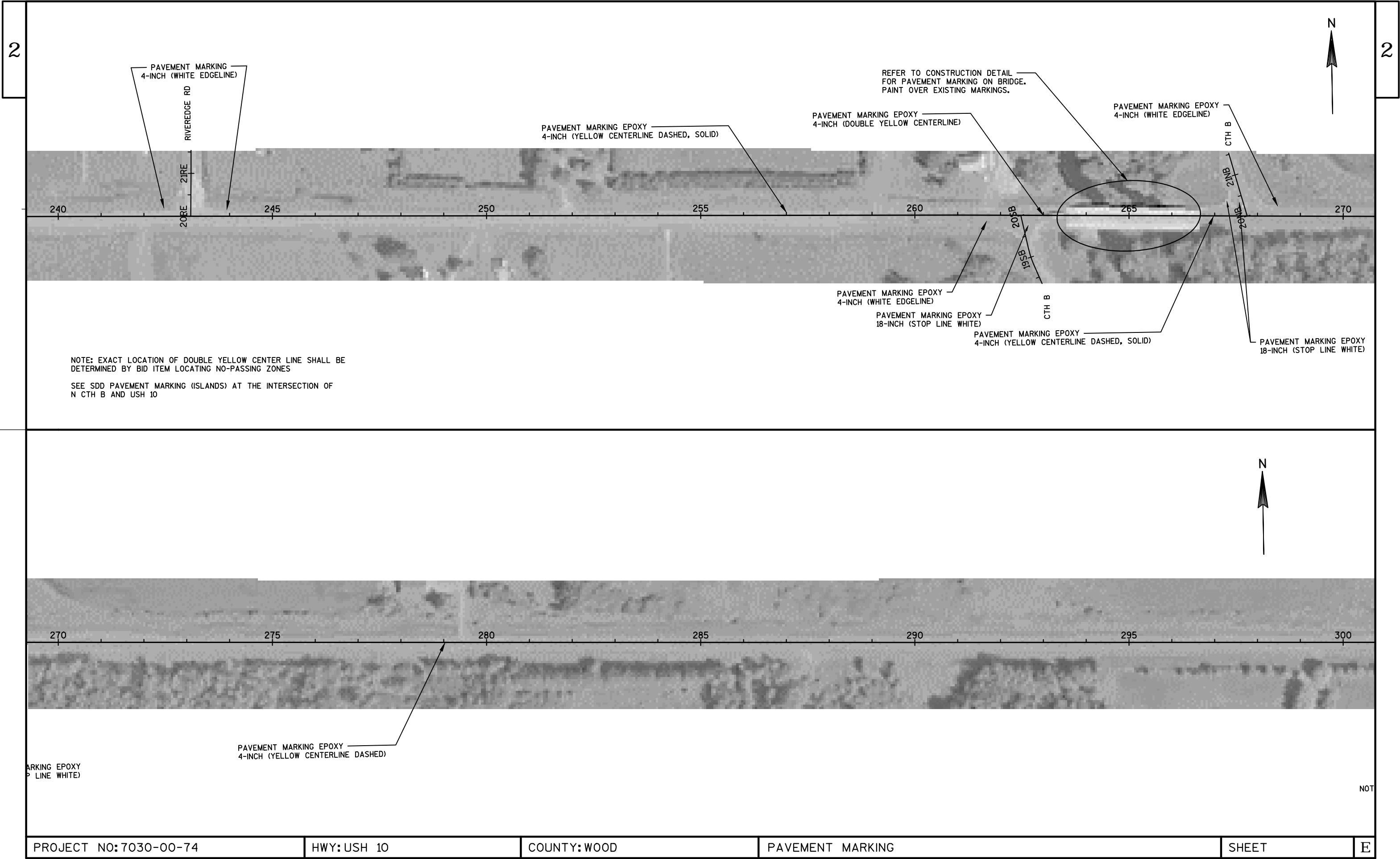
XY
(CENTERLINE)

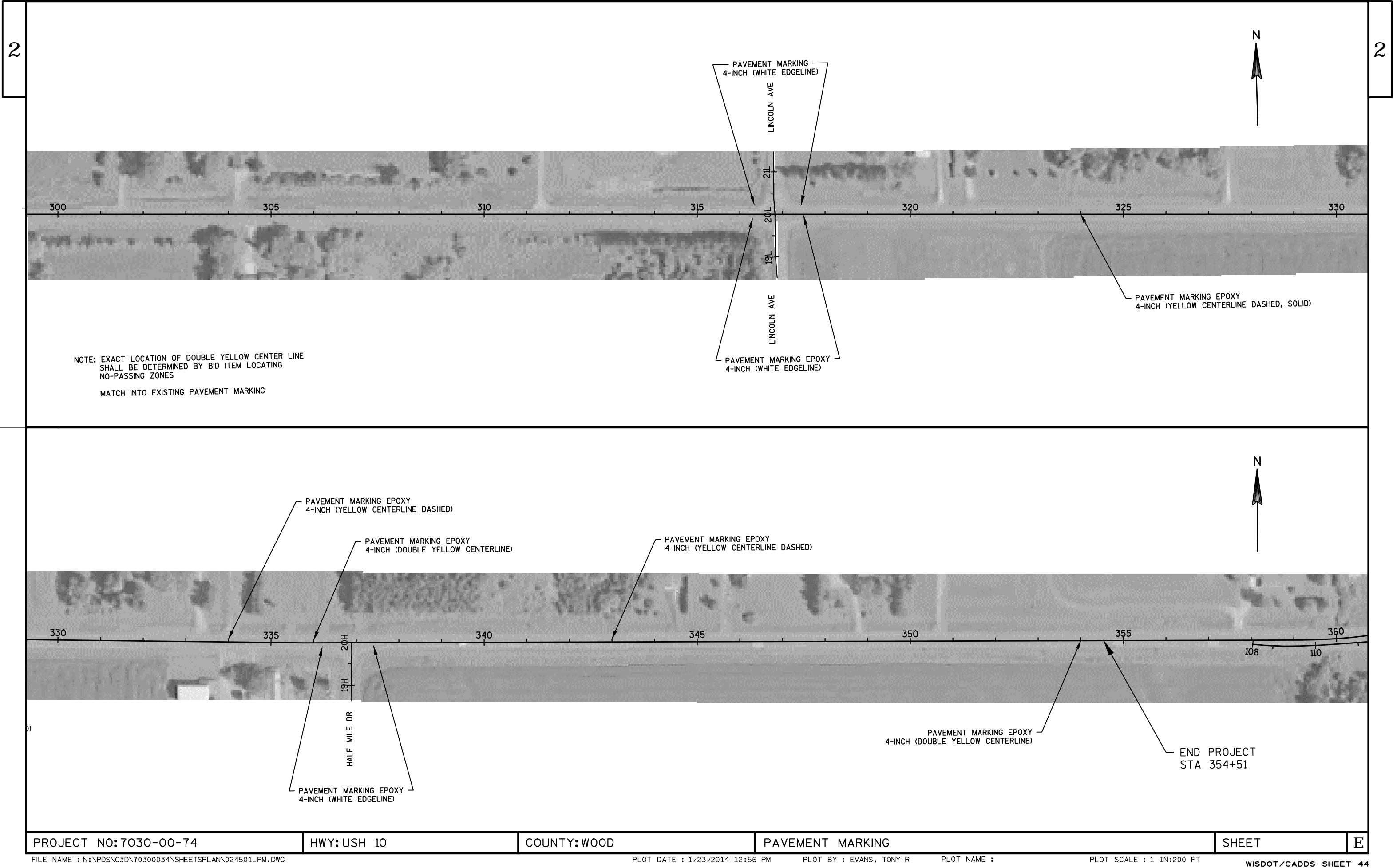


NOTE: EXACT LOCATION OF DOUBLE YELLOW CENTER LINE SHALL BE DETERMINED BY BID ITEM LOCATING NO-PASSING ZONES

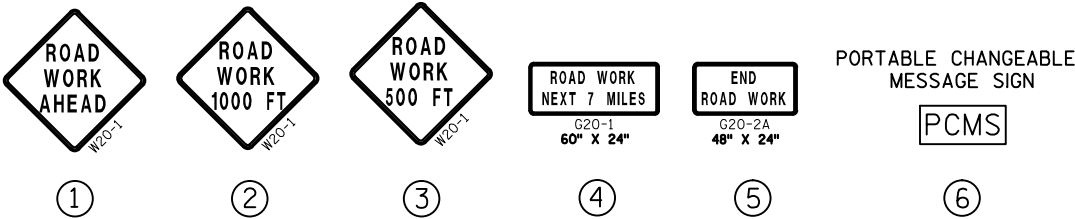
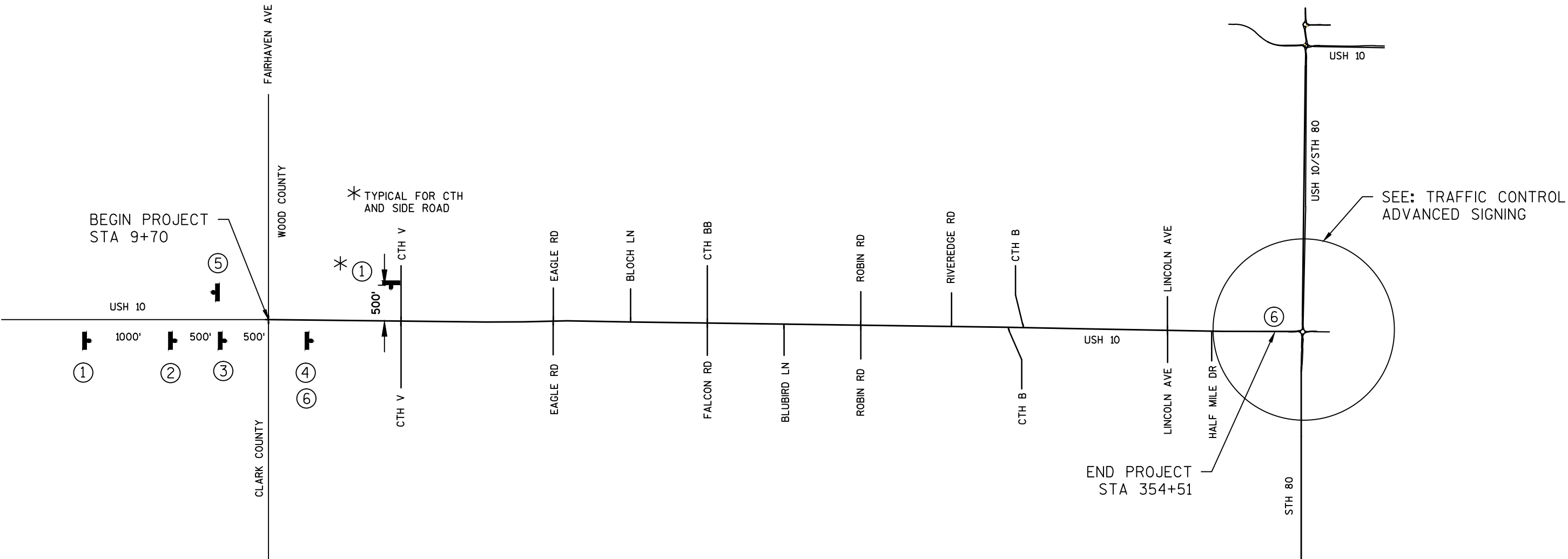


PROJECT NO: 7030-00-74	HWY: USH 10	COUNTY: WOOD	PAVEMENT MARKING	SHEET	E
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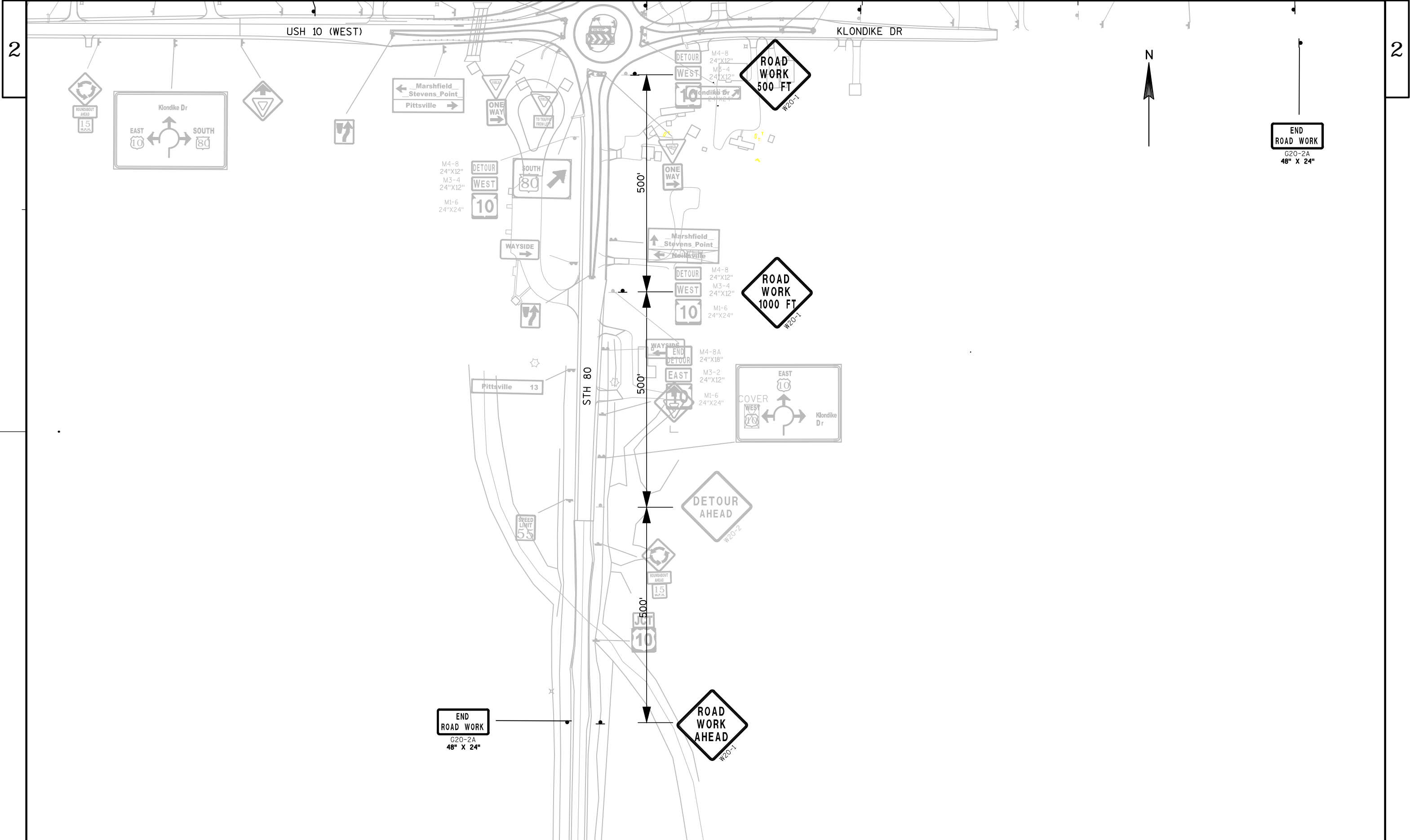




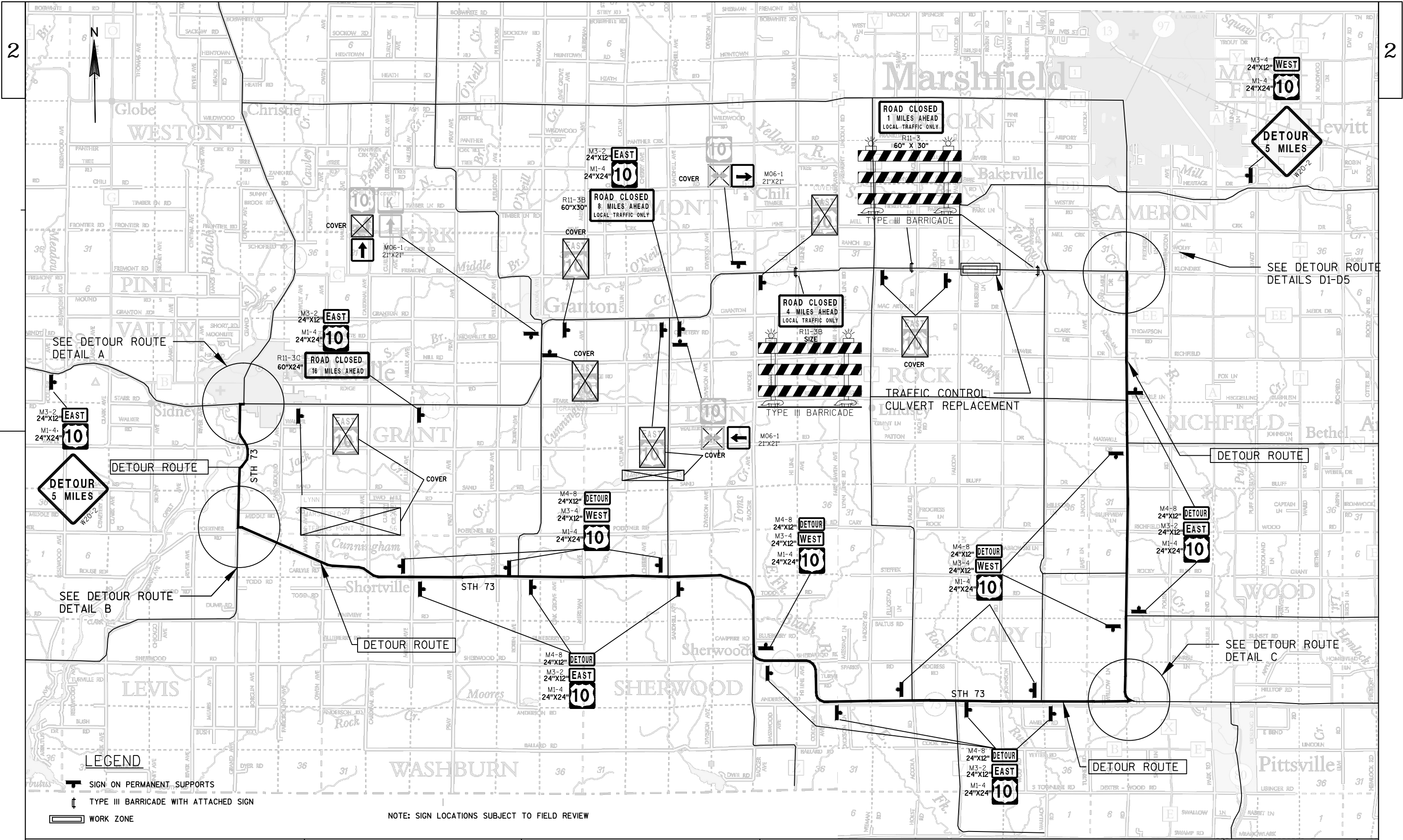
NOTE: SEE SDD TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER, TWO WAY UNNDIVIDED ROAD OPEN TO TRAFFIC FOR MORE INFORMATION

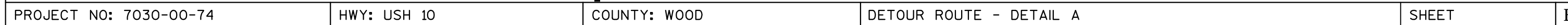


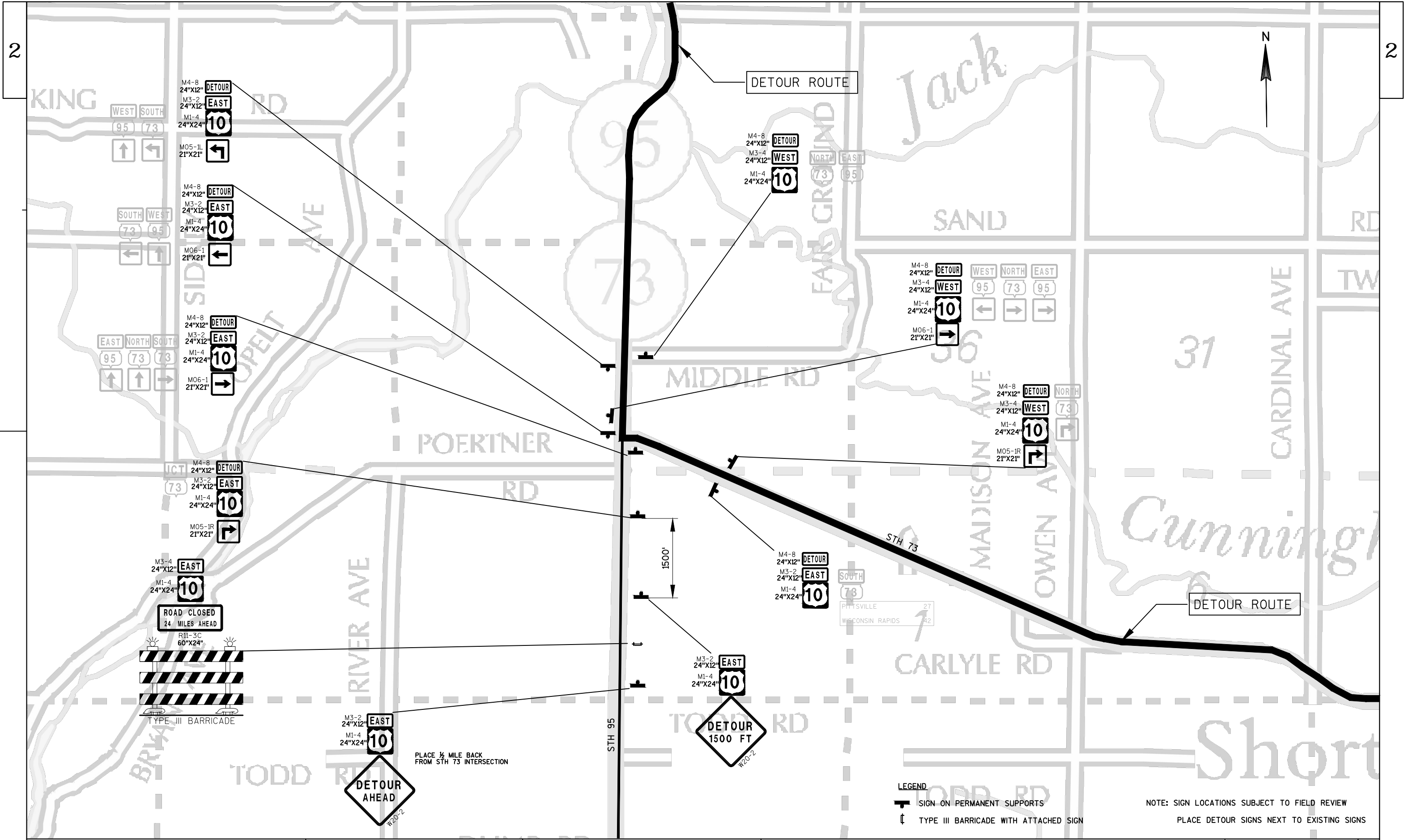
	PRIOR TO CONSTRUCTION	
SITE NO LOCATION	PHASE 1 (3 SEC)	PHASE 2 (3 SEC)
SITE 1 STA 10+15	ROAD WORK BEGINS	MONTH XX EXPECT DELAYS
SITE 2 STA 350+00	ROAD WORK BEGINS	MONTH XX EXPECT DELAYS

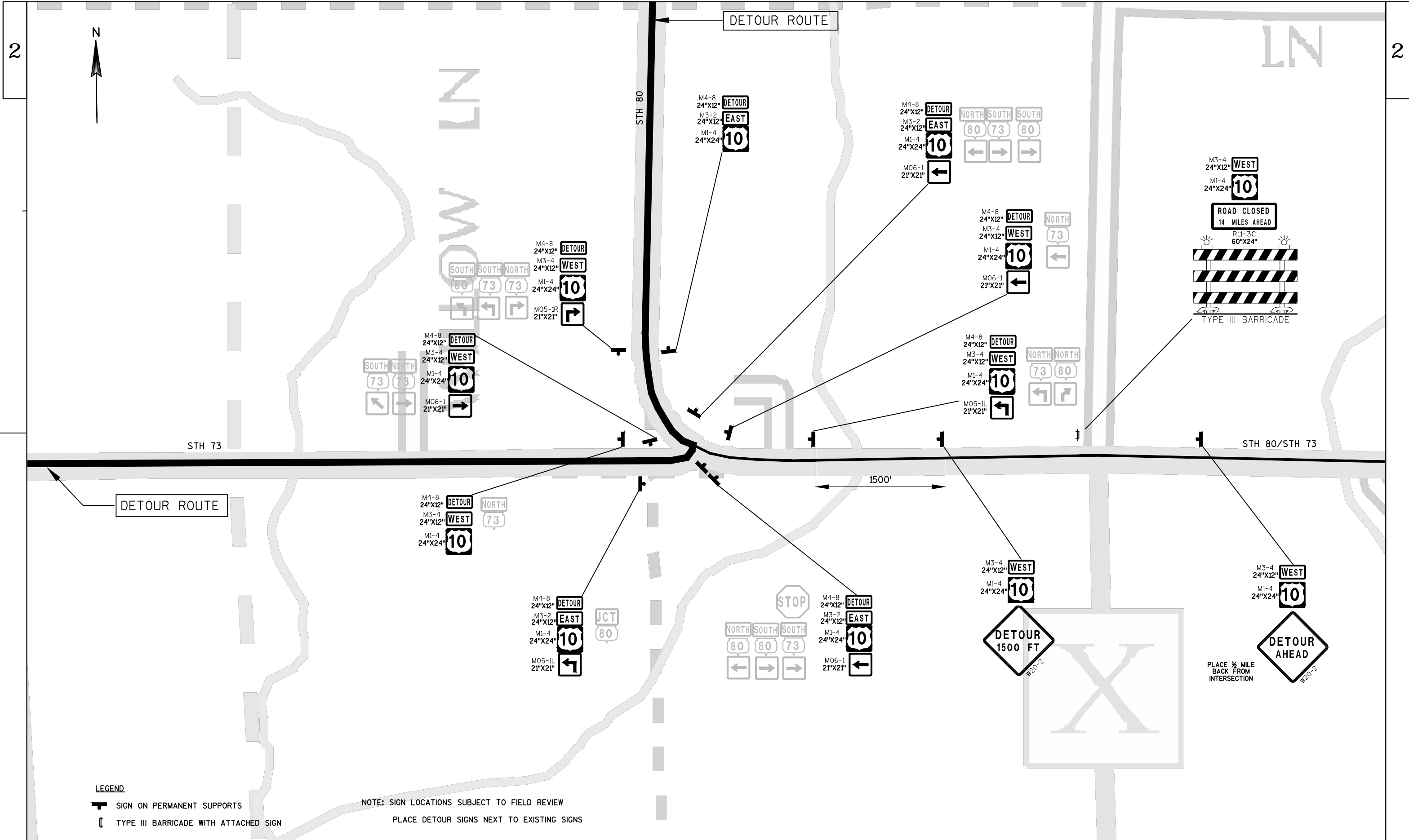


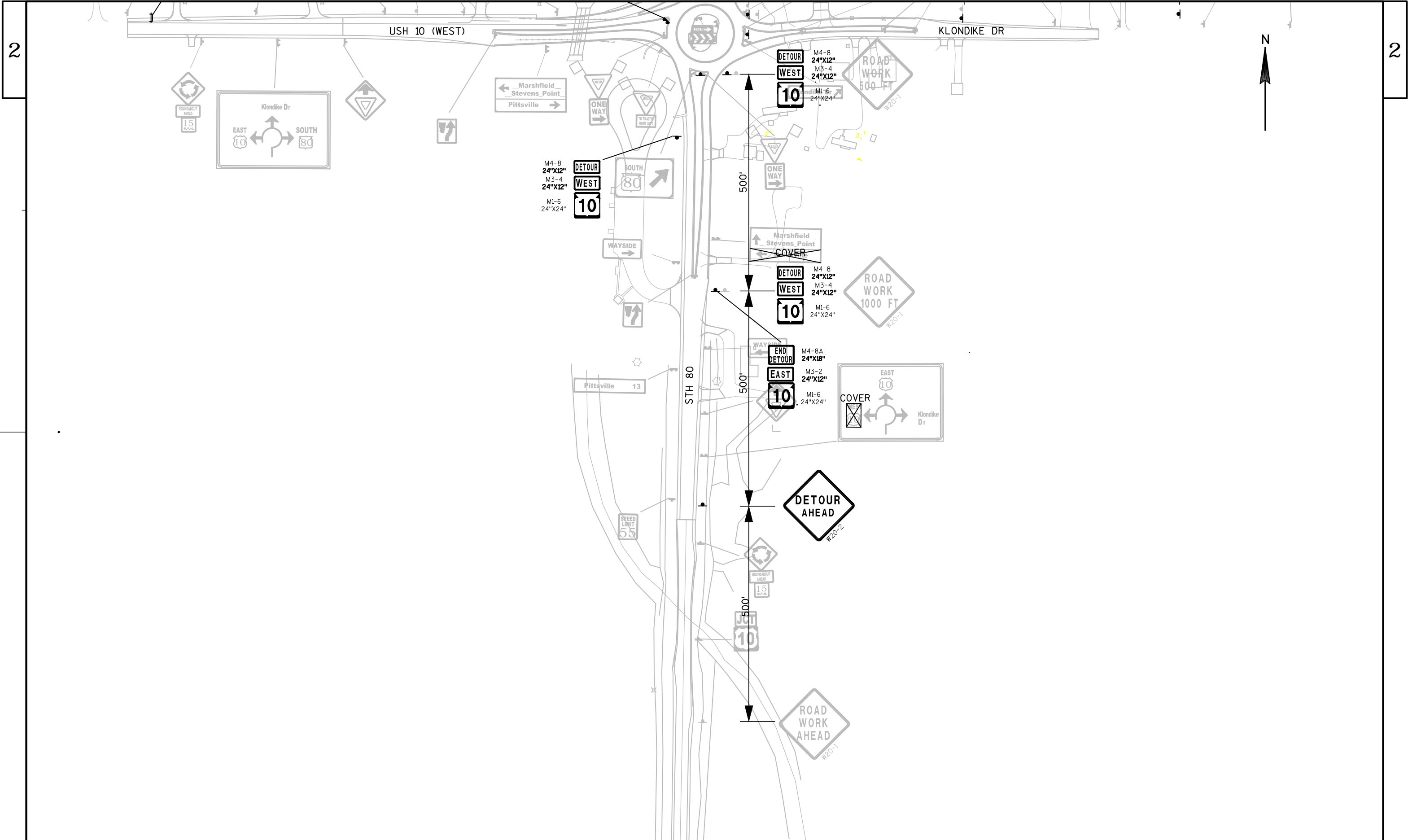












PITTSVILLE 12
NEILLSVILLE 23

M3-4
24"x12"
WEST
10
M1-6
24"x24"

ROAD
CLOSED
AHEAD

5 MILES
AHEAD

W057-52
48"x48"

PLACE SIGN NEXT TO EXISTING
SIGN SOUTH OF USH 10 AND
USH 10/STH 80 ROUNDABOUT
FOR SOUTHBOUND TRAFFIC.

M3-4
24"x12"
WEST
10
M1-6
24"x24"

DETOUR
AHEAD

Pittsville
Neillsville

COVER

ROAD
WORK
1000 FT

M06-1
21"x21"

M06-1
21"x21"

10 WEST
COVER
ONLY

SOUTH
80
Klondike
Dr

M4-8
24"x12"
M3-4
24"x12"
M1-6
24"x24"

DETOUR
WEST
10

M06-1
21"x21"

TURN RIGHT

USH 10 (WEST)/STH 80

USH 10 (EAST)/STH 80

SPEED
LIMIT
55

H
↑

EAST
10

M4-8
24"x12"
M3-4
24"x12"
M1-6
24"x24"

DETOUR
WEST
10

M05-1L
21"x21"

COVER

SOUTH
80
EAST
10

M3-4
24"x12"
M1-6
24"x24"

WEST
10

DETOUR
AHEAD

JCT
10
80

ROAD
WORK
AHEAD

ROAD CLOSED
3 MILES AHEAD
LOCAL TRAFFIC ONLY

ROAD WORK
NEXT 7 MILES

G20-1
60"x24"

COVER

M06-1
21"x21"

WEST
10

M4-8
24"x12"
M3-4
24"x12"
M1-6
24"x24"

DETOUR
WEST
10

M06-1
21"x21"

ROAD
WORK
500 FT

W20-1

ROAD
WORK
500 FT

W20-1

ROAD
WORK
500 FT

W20-1

ROAD
WORK
500 FT

W20-1

ROAD
WORK
500 FT

W20-1

ROAD
WORK
500 FT

W20-1

ROAD
WORK
500 FT

W20-1

ROAD
WORK
500 FT

W20-1

ROAD
WORK
500 FT

W20-1

ROAD
WORK
500 FT

W20-1

ROAD
WORK
500 FT

W20-1

ROAD
WORK
500 FT

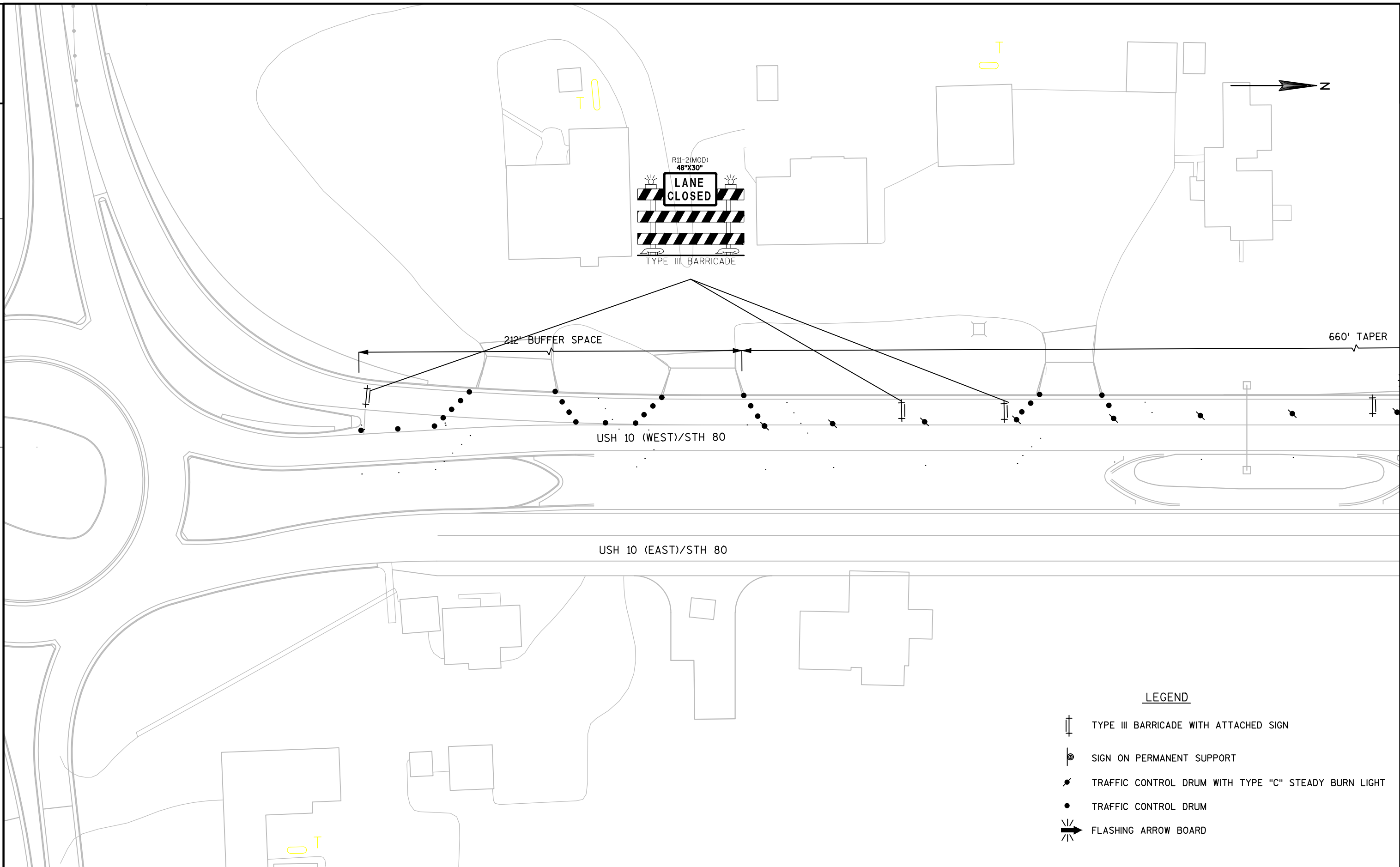
W20-1

ROAD
WORK
500 FT






W20-1

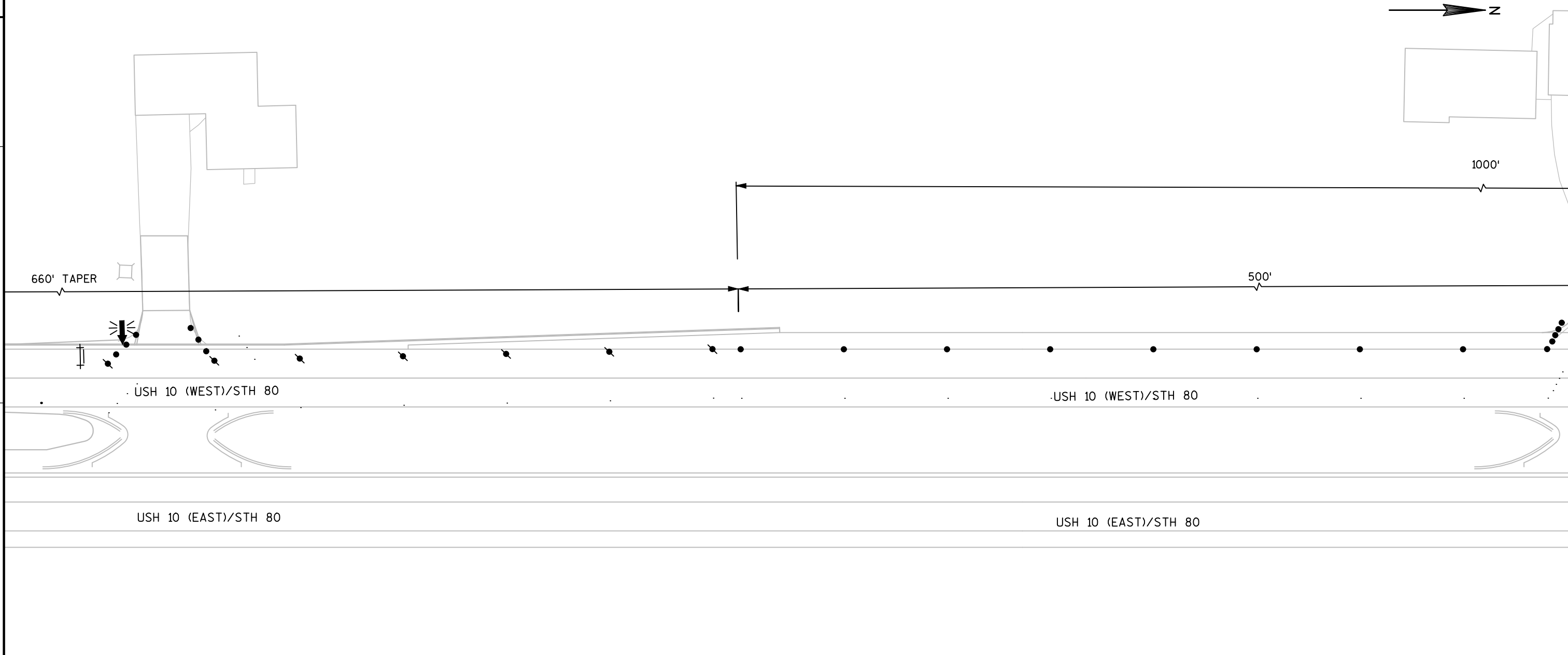
ROAD
WORK
500 FT

W20-1








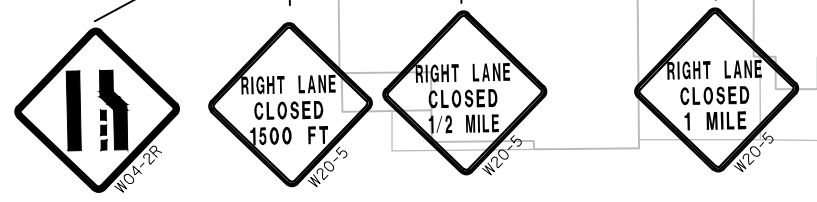
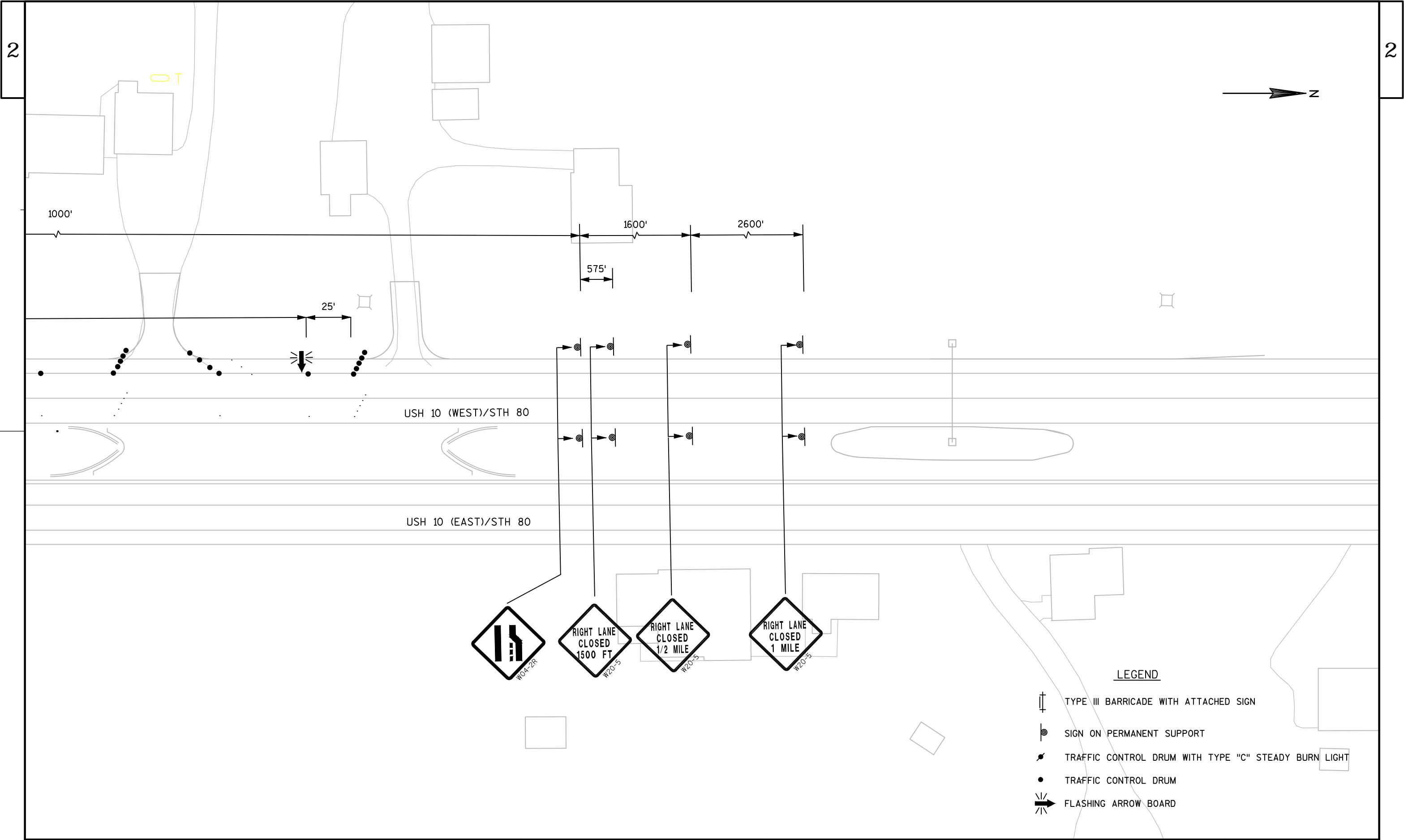
LEGEND

-  TYPE III BARRICADE WITH ATTACHED SIGN
-  SIGN ON PERMANENT SUPPORT
-  TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
-  TRAFFIC CONTROL DRUM
-  FLASHING ARROW BOARD



LEGEND

-  TYPE III BARRICADE WITH ATTACHED SIGN
-  SIGN ON PERMANENT SUPPORT
-  TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
-  TRAFFIC CONTROL DRUM
-  FLASHING ARROW BOARD



- LEGEND**
- TYPE III BARRICADE WITH ATTACHED SIGN
 - SIGN ON PERMANENT SUPPORT
 - TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
 - TRAFFIC CONTROL DRUM
 - FLASHING ARROW BOARD

*NOTE: SEE SDD BARRICADES AND SIGNS FOR MAINLINE CLOSURES

BLOCH LN

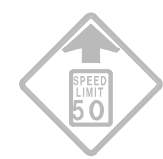
PI: 134+39.57

SPEED LIMIT 55

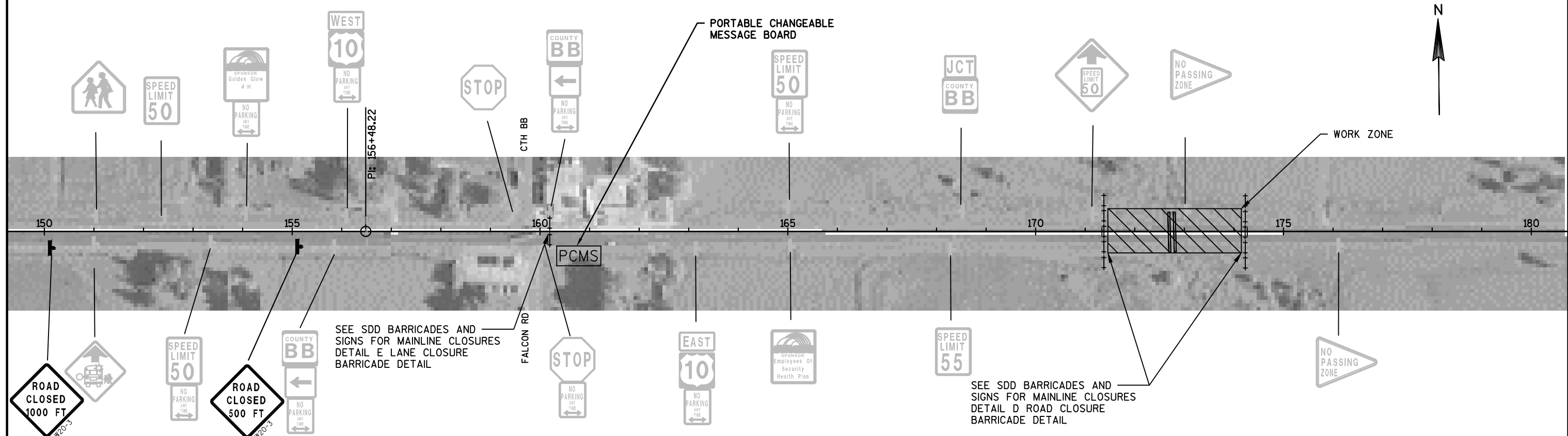


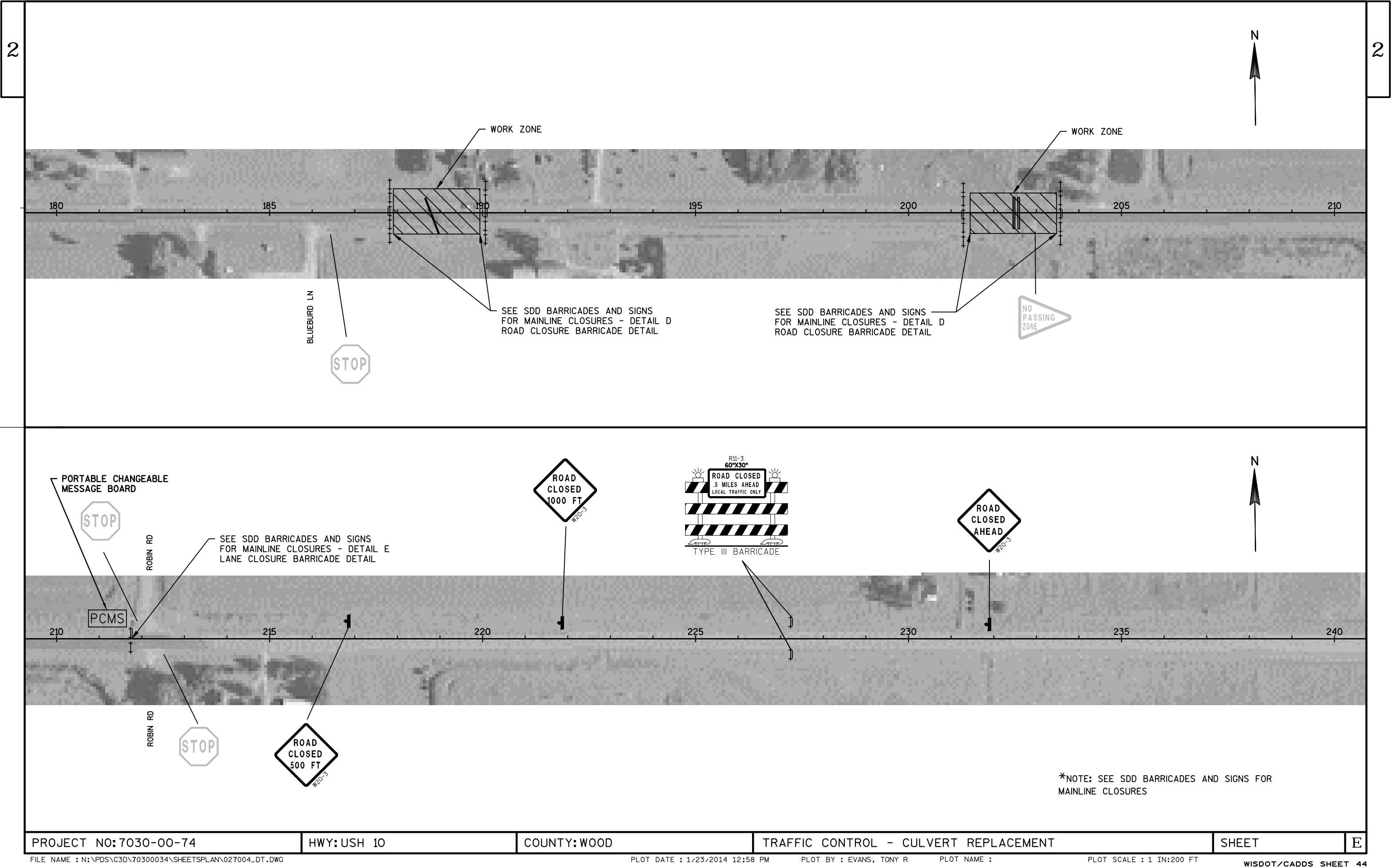
120 125 130 135 140 145 150

	PRIOR TO DETOUR	
SITE NO	PHASE 1	PHASE 2
LOCATION	(3 SEC)	(3 SEC)
SITE 1 STA	ROAD CLOSURES	USE
160+10	MONTH XX	DETOUR
SITE 2 STA	ROAD CLOSURES	USE
210+40	MONTH XX	DETOUR



SPEED LIMIT 50





DATE 22AUG14		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	7030-00-74 QUANTITY
0010	203.0100	REMOVING SMALL PIPE CULVERTS	EACH	8.000	8.000
0020	204.0110	REMOVING ASPHALTIC SURFACE	SY	1,060.000	1,060.000
0030	204.0125	REMOVING ASPHALTIC SURFACE MILLING	TON	14,128.000	14,128.000
0040	204.0150	REMOVING CURB & GUTTER	LF	145.000	145.000
0050	204.0180	REMOVING DELINEATORS AND MARKERS	EACH	12.000	12.000
0060	205.0100	EXCAVATION COMMON **P**	CY	1,422.000	1,422.000
0070	209.0100	BACKFILL GRANULAR **P**	CY	1,699.000	1,699.000
0080	213.0100	FINISHING ROADWAY (PROJECT) 01. 7030-00-74	EACH	1.000	1.000
0090	305.0110	BASE AGGREGATE DENSE 3/4-INCH	TON	3,559.000	3,559.000
0100	305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	724.000	724.000
0110	305.0500	SHAPING SHOULDERS	STA	661.000	661.000
0120	440.4410.S	INCENTIVE IRI RIDE	DOL	26,120.000	26,120.000
0130	455.0105	ASPHALTIC MATERIAL PG58-28	TON	772.000	772.000
0140	455.0605	TACK COAT	GAL	3,060.000	3,060.000
0150	460.1103	HMA PAVEMENT TYPE E-3	TON	14,025.000	14,025.000
0160	460.2000	INCENTIVE DENSITY HMA PAVEMENT	DOL	8,980.000	8,980.000
0170	465.0105	ASPHALTIC SURFACE	TON	327.000	327.000
0180	465.0110	ASPHALTIC SURFACE PATCHING	TON	10.000	10.000
0190	465.0120	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	TON	142.000	142.000
0200	465.0315	ASPHALTIC FLUMES	SY	4.000	4.000
0210	465.0475	ASPHALT CENTER LINE RUMBLE STRIPS 2-LANE RURAL	LF	27,711.000	27,711.000
0220	520.7000	CLEANING CULVERT PIPES	EACH	6.000	6.000
0230	521.0124	CULVERT PIPE CORRUGATED STEEL 24-INCH	LF	120.000	120.000
0240	521.0130	CULVERT PIPE CORRUGATED STEEL 30-INCH	LF	60.000	60.000
0250	521.1024	APRON ENDWALLS FOR CULVERT PIPE STEEL 24-INCH	EACH	4.000	4.000
0260	521.1030	APRON ENDWALLS FOR CULVERT PIPE STEEL 30-INCH	EACH	2.000	2.000
0270	525.0130	CULVERT PIPE CORRUGATED ALUMINUM 30-INCH	LF	90.000	90.000
0280	525.0148	CULVERT PIPE CORRUGATED ALUMINUM 48-INCH	LF	308.000	308.000
0290	525.0330	ALUMINUM APRON ENDWALLS FOR ALUMINUM CULVERT PIPE 30-INCH	EACH	2.000	2.000
0300	525.0348	ALUMINUM APRON ENDWALLS FOR ALUMINUM CULVERT PIPE 48-INCH	EACH	8.000	8.000
0310	601.0415	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J	LF	145.000	145.000
0320	616.0700.S	FENCE SAFETY	LF	790.000	790.000
0330	618.0100	MAINTENANCE AND REPAIR OF HAUL ROADS (PROJECT) 01. 7030-00-74	EACH	1.000	1.000
0340	619.1000	MOBILIZATION	EACH	1.000	1.000
0350	624.0100	WATER	MGAL	38.000	38.000
0360	625.0100	TOPSOIL	SY	1,251.000	1,251.000
0370	628.1504	SILT FENCE	LF	620.000	620.000
0380	628.1520	SILT FENCE MAINTENANCE	LF	620.000	620.000
0390	628.1905	MOBILIZATIONS EROSION CONTROL	EACH	3.000	3.000
0400	628.1910	MOBILIZATIONS EMERGENCY EROSION CONTROL	EACH	1.000	1.000
0410	628.2008	EROSION MAT URBAN CLASS I TYPE B	SY	1,251.000	1,251.000
0420	628.7504	TEMPORARY DITCH CHECKS	LF	72.000	72.000
0430	628.7555	CULVERT PIPE CHECKS	EACH	10.000	10.000
0440	628.7570	ROCK BAGS	EACH	145.000	145.000
0450	629.0210	FERTILIZER TYPE B	CWT	0.800	0.800
0460	630.0160	SEEDING MIXTURE NO. 60	LB	17.000	17.000

DATE 22AUG14		E S T I M A T E O F Q U A N T I T I E S			
LINE				7030-00-74	
NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	QUANTITY
0470	630.0200	SEEDING TEMPORARY	LB	10.000	10.000
0480	633.5200	MARKERS CULVERT END	EACH	20.000	20.000
0490	634.0612	POSTS WOOD 4X6-INCH X 12-FT	EACH	1.000	1.000
0500	634.0614	POSTS WOOD 4X6-INCH X 14-FT	EACH	69.000	69.000
0510	634.0616	POSTS WOOD 4X6-INCH X 16-FT	EACH	25.000	25.000
0520	634.0618	POSTS WOOD 4X6-INCH X 18-FT	EACH	3.000	3.000
0530	637.2210	SIGNS TYPE II REFLECTIVE H	SF	481.120	481.120
0540	637.2230	SIGNS TYPE II REFLECTIVE F	SF	183.410	183.410
0550	638.2602	REMOVING SIGNS TYPE II	EACH	103.000	103.000
0560	638.3000	REMOVING SMALL SIGN SUPPORTS	EACH	98.000	98.000
0570	642.5201	FIELD OFFICE TYPE C	EACH	1.000	1.000
0580	643.0100	TRAFFIC CONTROL (PROJECT) 01. 7030-00-74	EACH	1.000	1.000
0590	643.0300	TRAFFIC CONTROL DRUMS	DAY	879.000	879.000
0600	643.0420	TRAFFIC CONTROL BARRICADES TYPE III	DAY	369.000	369.000
0610	643.0705	TRAFFIC CONTROL WARNING LIGHTS TYPE A	DAY	494.000	494.000
0620	643.0715	TRAFFIC CONTROL WARNING LIGHTS TYPE C	DAY	243.000	243.000
0630	643.0800	TRAFFIC CONTROL ARROW BOARDS	DAY	24.000	24.000
0640	643.0900	TRAFFIC CONTROL SIGNS	DAY	4,144.000	4,144.000
0650	643.0910	TRAFFIC CONTROL COVERING SIGNS TYPE I	EACH	6.000	6.000
0660	643.0920	TRAFFIC CONTROL COVERING SIGNS TYPE II	EACH	25.000	25.000
0670	643.1000	TRAFFIC CONTROL SIGNS FIXED MESSAGE	SF	28.000	28.000
0680	643.1050	TRAFFIC CONTROL SIGNS PCMS	DAY	28.000	28.000
0690	643.2000	TRAFFIC CONTROL DETOUR (PROJECT) 01. 7030-00-74	EACH	1.000	1.000
0700	643.3000	TRAFFIC CONTROL DETOUR SIGNS	DAY	3,132.000	3,132.000
0710	646.0106	PAVEMENT MARKING EPOXY 4-INCH	LF	105,231.000	105,231.000
0720	646.0126	PAVEMENT MARKING EPOXY 8-INCH	LF	180.000	180.000
0730	646.0600	REMOVING PAVEMENT MARKINGS	LF	675.000	675.000
0740	647.0566	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	LF	60.000	60.000
0750	647.0726	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH	LF	225.000	225.000
0760	648.0100	LOCATING NO-PASSING ZONES	MI	6.530	6.530
0770	649.0100	TEMPORARY PAVEMENT MARKING 4-INCH	LF	72,646.000	72,646.000
0780	650.5500	CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER	LF	145.000	145.000
0790	650.6000	CONSTRUCTION STAKING PIPE CULVERTS	EACH	8.000	8.000
0800	650.8000	CONSTRUCTION STAKING RESURFACING REFERENCE	LF	34,481.000	34,481.000
0810	650.9910	CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) 01. 7030-00-74	LS	1.000	1.000
0820	690.0150	SAWING ASPHALT	LF	883.000	883.000
0830	ASP. 1T0A	ON-THE-JOB TRAINING APPRENTICE AT \$5.00/HR	HRS	1,200.000	1,200.000
0840	ASP. 1T0G	ON-THE-JOB TRAINING GRADUATE AT \$5.00/HR	HRS	600.000	600.000
0850	SPV. 0060	SPECIAL 01. TEMPORARY PAVEMENT MARKING REFLECTIVE TABS	EACH	690.000	690.000
0860	SPV. 0090	SPECIAL 01. FOG SEALING	LF	34,481.000	34,481.000
0870	SPV. 0120	SPECIAL 01. WATER FOR SEEDED AREAS	MGAL	46.000	46.000

3

REMOVING SMALL PIPE CULVERTS

203.0100					
STATION	LOCATION	EACH	SIZE	TYPE	REMARKS
172+73	CL	2	48"X80'	CPCA	USH 10
188+77	CL	1	30"X90'	CPCA	USH 10
202+52	CL	2	48"X74'	CPCA	USH 10
19+64L	CL	1	24"X60	CPCS	LINCOLN AVE
20+42L	CL	1	30"X60'	CSCP	LINCOLN AVE
19+64H	CL	1	24"X60'	CPCS	HALF MILE DR
TOTAL		8			

REMOVING ASPHALTIC SURFACE

204.0110			
STATION	LOCATION	SY	REMARKS
172+73	CL	305	CULVERT REPLACEMENT
188+77	CL	360	CULVERT REPLACEMENT
202+52	CL	230	CULVERT REPLACEMENT
20+25NB	RT	75	ISLAND REPLACEMENT
19+64L	CL	35	CULVERT REPLACEMENT
20+42L	CL	25	CULVERT REPLACEMENT
19+64H	CL	30	CULVERT REPLACEMENT
TOTAL		1060	

REMOVING ASPHALTIC SURFACE MILLING

204.0125	
STATION - STATION	TON
9+70 - 354+51	13165
LYNN LINE ROAD	65
FAIRHAVEN AVE	65
CTH V	117
EAGLE RD	88
BLOCH LN	64
CTH BB	74
BLUEBIRD LN	57
ROBIN RD	119
RIVEREDGE RD	51
CTH B - SOUTH	0
CTH B - NORTH	32
LINCOLN AVE	82
HALF MILE DR	39
DRIVEWAYS	111
TOTAL	14128

3

REMOVING CURB & GUTTER

204.0150			
STATION	LOCATION	LF	REMARKS
20+25NB	RT	145	ISLAND REPLACEMENT
TOTAL		145	

REMOVING DELINEATORS AND MARKERS

204.0180		
STATION	LOCATION	EACH
172+73	RT/LT	2
188+77	RT/LT	2
202+52	RT/LT	2
19+64L	RT/LT	2
20+42L	RT/LT	2
19+64H	RT/LT	2
TOTAL		12

EXCAVATION COMMON

205.0100		
LOCATION	CY	REMARKS
172+73	511	CULVERT REPLACEMENT (CABC+TRANSITION CUT)
188+77	699	CULVERT REPLACEMENT (CABC+TRANSITION CUT)
202+52	185	CULVERT REPLACEMENT (CABC+TRANSITION CUT)
19+64L	9	CULVERT REPLACEMENT (CABC)
20+42L	9	CULVERT REPLACEMENT (CABC)
19+64H	9	CULVERT REPLACEMENT (CABC)
TOTAL	1422	

3

BACKFILL GRANULAR		
LOCATION	209.0100 CY	REMARKS
172+73	581	CULVERT REPLACEMENT (INCLUDES TRANSITION CUT)
188+77	796	CULVERT REPLACEMENT (INCLUDES TRANSITION CUT)
202+52	322	CULVERT REPLACEMENT (INCLUDES TRANSITION CUT)
TOTAL	1699	

BASE AGGREGATE DENSE				
STATION	LOCATION	305.0110	305.0120	REMARKS
		3/4-INCH TONS	1-1/4-INCH TONS	
MAINLINE	RT/LT	3340	---	USH 10 SHOULDERS
SIDEROADS	RT/LT	179	---	
DRIVEWAYS	RT/LT	32	---	
172+73	RT/LT	---	230	CULVERT REPLACEMENT
188+77	RT/LT	---	270	CULVERT REPLACEMENT
202+52	RT/LT	---	170	CULVERT REPLACEMENT
20+25NB	RT	8		ISLAND REPLACEMENT
19+64L	RT	---	18	CULVERT REPLACEMENT
20+42L	LT	---	18	CULVERT REPLACEMENT
19+64H	RT	---	18	CULVERT REPLACEMENT
TOTAL		3559	724	

3

SHAPING SHOULDERS		
STATION - STATION	LOCATION	305.0500 STATION
9+70 - 107+36	RT/LT	195
114+80 - 157+48	RT/LT	85
161+54 - 263+69	RT/LT	204
266+17 - 354+51	RT/LT	177
TOTAL		661

HMA PAVEMENT			
STATION - STATION	455.0105 ASPHALTIC MATERIAL PG58-28 TON	455.0605 TACK COAT GAL	460.1103 HMA PAVEMENT TYPE E-3 TON
9+70 - 354+51	725	2992	13165
LYNN LINE RD	3.6	5	65
FAIRHAVEN AVE	3.6	5	65
CTH V	6.6	8	120
EAGLE RD	5.0	9	90
BLOCH LN	3.6	5	65
CTH BB	4.1	12	75
BLUEBIRD LN	3.3	3	60
ROBIN RD	6.6	8	120
RIVEREDGE RD	2.8	2	50
CTH B	1.7	2	30
LINCOLN AVE	4.4	6	80
HALF MILE DR	2.2	3	40
TOTAL	772	3060	14025

ASPHALTIC SURFACE			
STATION	LOCATION	465.0105 TON	REMARKS
172+73	CL	100	CULVERT REPLACEMENT
188+77	CL	120	CULVERT REPLACEMENT
202+52	CL	90	CULVERT REPLACEMENT
20+25NB	RT	8	ISLAND REPLACEMENT
19+64L	CL	3	CULVERT REPLACEMENT
20+42L	CL	3	CULVERT REPLACEMENT
19+64H	CL	3	CULVERT REPLACEMENT
TOTAL		327	

ASPHALTIC SURFACE PATCHING		
STATION	465.0110 TON	REMARKS
UNDISTRIBUTED	10	USE IN AREAS OF DISTRESS OR DE-BONDING, OCCUR PRIOR TO PLACING HMA PAVEMENT
TOTAL	10	

ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES					
STATION	LOCATION	WIDTH FT	TYPE	465.0120 TON	REMARKS
15+25	LT	20	FE	0	GRAVEL
17+25	LT	20	PE	2	GRAVEL, PAVE 5' BACK
19+10	RT	20	FE	2	GRAVEL, PAVE 5' BACK
19+25	LT	20	PE	2	GRAVEL, PAVE 5' BACK
20+80	RT	20	PE	2	GRAVEL, PAVE 5' BACK
20+90	LT	20	PE	2	GRAVEL, PAVE 5' BACK
22+00	LT	20	PE	2	GRAVEL, PAVE 5' BACK
22+75	RT	20	FE	0	GRAVEL
23+75	RT	20	FE	0	GRAVEL
36+50	RT	20	PE	2	GRAVEL, PAVE 5' BACK
41+30	RT	20	PE	2	GRAVEL, PAVE 5' BACK
43+25	LT	24	FE	0	GRAVEL
48+25	LT	20	PE	2	GRAVEL, PAVE 5' BACK
49+00	LT	20	PE	2	GRAVEL, PAVE 5' BACK
59+00	RT	20	FE	0	GRAVEL
64+25	RT	20	PE	2	GRAVEL, PAVE 5' BACK
65+90	LT	20	PE	2	GRAVEL, PAVE 5' BACK
66+00	RT	20	FE	0	GRAVEL
68+50	LT	35	CE	3	GRAVEL, PAVE 5' BACK
70+25	LT	35	CE	3	GRAVEL, PAVE 5' BACK
70+75	LT	20	FE	0	GRAVEL
78+25	RT	20	PE	2	ASPHALT, PAVE 5' BACK
86+10	RT	20	FE	0	GRAVEL
84+90	RT	20	PE	2	GRAVEL, PAVE 5' BACK
84+90	LT	20	FE	0	GRAVEL
85+40	LT	20	PE	2	GRAVEL, PAVE 5' BACK
87+00	RT	20	PE	2	GRAVEL, PAVE 5' BACK
83+50	LT	20	FE	0	GRAVEL
96+00	LT	20	FE	0	GRAVEL
97+40	RT	20	PE	2	GRAVEL, PAVE 5' BACK
101+90	RT	20	PE	2	GRAVEL, PAVE 5' BACK
105+00	RT	20	FE	0	GRAVEL
105+00	LT	20	PE	2	GRAVEL, PAVE 5' BACK
111+00	LT	35	CE	0	ASPHALT DW, CURB PRESENT
112+00	RT	20	PE	0	ASPHALT DW, CURB PRESENT
112+10	LT	20	PE	0	GRAVEL DW, CURB PRESENT
125+90	RT	20	PE	2	GRAVEL, PAVE 5' BACK
128+25	RT	20	PE	2	GRAVEL, PAVE 5' BACK
128+80	LT	20	PE	2	GRAVEL, PAVE 5' BACK
133+75	RT	20	FE	0	GRAVEL
136+25	LT	20	FE	0	GRAVEL
138+65	LT	35	CE	3	ASPHALT, PAVE 5' BACK
140+60	LT	35	CE	3	ASPHALT, PAVE 5' BACK
148+60	RT	20	FE	0	GRAVEL
153+10	LT	20	FE	0	GRAVEL
153+35	RT	20	PE	3	GRAVEL, PAVE 8' BACK
157+15	LT	20	PE	0	GRAVEL DW, CURB PRESENT
158+50	RT	35	CE	0	GRAVEL DW, CURB PRESENT
159+00	LT	20	PE	0	ASPHALT DW, CURB PRESENT
161+25	LT	35	CE	0	ASPHALT DW, CURB PRESENT
162+25	LT	20	PE	2	GRAVEL DW, CURB PRESENT

PROJECT NO: 7030-00-74

HWY: USH 10

COUNTY: WOOD

MISCELLANEOUS QUANTITIES

SHEET: E

FILE NAME :

PLOT DATE :

PLOT BY :

PLOT NAME :

PLOT SCALE : 1:1

ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES					
STATION	LOCATION	WIDTH FT	TYPE	465.0120 TON	REMARKS
162+30	RT	20	PE	2	GRAVEL, PAVE 5' BACK
162+75	LT	20	PE	2	GRAVEL, PAVE 5' BACK
165+00	RT	20	FE	0	GRAVEL
172+95	LT	20	FE	0	GRAVEL
181+95	LT	20	PE	2	GRAVEL, PAVE 5' BACK
183+25	RT	20	PE	2	GRAVEL, PAVE 5' BACK
191+40	LT	20	PE	2	ASPHALT, PAVE 5' BACK
192+65	RT	20	PE	2	GRAVEL, PAVE 5' BACK
192+80	LT	20	PE	2	GRAVEL, PAVE 5' BACK
193+10	RT	20	PE	2	GRAVEL, PAVE 5' BACK
204+25	RT	20	FE	0	GRAVEL
204+50	LT	20	PE	2	GRAVEL, PAVE 5' BACK
205+15	LT	20	FE	0	GRAVEL
215+00	RT	20	PE	2	GRAVEL, PAVE 5' BACK
222+75	RT	20	FE	0	GRAVEL
231+35	RT	20	FE	0	GRAVEL
231+35	LT	20	PE	2	GRAVEL, PAVE 5' BACK
242+00	RT	35	CE	3	GRAVEL, PAVE 5' BACK
249+60	RT	20	PE	2	GRAVEL, PAVE 5' BACK
249+70	RT	20	PE	2	GRAVEL, PAVE 5' BACK
251+75	LT	20	PE	2	GRAVEL, PAVE 5' BACK
254+25	RT	20	PE	2	GRAVEL, PAVE 5' BACK
258+90	LT	20	PE	2	GRAVEL, PAVE 5' BACK
261+50	LT	35	CE	8	ASPHALT, PAVE 12' BACK
271+90	RT	20	FE	0	GRAVEL
279+40	LT	20	PE	2	GRAVEL, PAVE 5' BACK
282+10	RT	20	FE	2	GRAVEL, PAVE 5' BACK
287+00	RT	20	PE	2	GRAVEL, PAVE 5' BACK
299+00	RT	20	PE	2	ASPHALT, PAVE 5' BACK
301+60	LT	20	PE	2	GRAVEL, PAVE 5' BACK
304+25	LT	20	PE	2	GRAVEL, PAVE 5' BACK
304+40	RT	20	PE	2	GRAVEL, PAVE 5' BACK
311+30	LT	20	PE	2	GRAVEL, PAVE 5' BACK
320+85	LT	20	PE	2	GRAVEL, PAVE 5' BACK
321+25	LT	20	PE	2	GRAVEL, PAVE 5' BACK
327+40	LT	20	PE	2	GRAVEL, PAVE 5' BACK
333+30	LT	20	PE	2	GRAVEL, PAVE 5' BACK
334+00	RT	20	PE	2	GRAVEL, PAVE 5' BACK
334+10	LT	20	PE	2	GRAVEL, PAVE 5' BACK
335+10	RT	20	PE	2	GRAVEL, PAVE 5' BACK
333+25	LT	20	FE	0	GRAVEL
336+90	LT	20	FE	0	GRAVEL
344+80	LT	20	PE	2	ASPHALT, PAVE 5' BACK
345+00	LT	20	FE	0	GRAVEL
345+40	LT	20	PE	2	GRAVEL, PAVE 5' BACK
348+95	LT	20	PE	2	GRAVEL, PAVE 5' BACK
349+85	RT	20	FE	0	GRAVEL
350+75	LT	20	PE	2	GRAVEL, PAVE 5' BACK
TOTAL				142	

3

ASPHALTIC FLUMES				ASPHALT CENTER LINE RUMBLE STRIP 2-LANE RURAL			CLEANING CULVERT PIPES		
STATION	LOCATION	465.0315 SY	REMARKS	STATION	LOCATION	465.0475.S LF	STATION	520.7000 EACH	DIAMETER
160+10	RT	4	CTH BB, SE QUAD	24+75 - 152+35	CL	11559	10+36	2	36" - RCCP
				166+00 - 354+51	CL	16152	38+36	2	30" - RCCP
	TOTAL	4			TOTAL	27711	54+38	2	30" - RCCP
							TOTAL	6	

3

CULVERT PIPES															
STATION	LOCATION	NUMBER OF PIPES	CPCS		AEW-CPCS		CPCA		AEW-CPCA		MIN THICKNESS IN	BOP INVERT ELEV	EOP INVERT ELEV	SLOPE %	REMARKS
			521.0124 24-INCH LF	521.0130 30-INCH LF	521.1024 24-INCH EACH	521.1030 30-INCH EACH	525.0130 30-INCH LF	525.0148 48-INCH LF	525.0330 30-INCH EACH	525.0348 48-INCH EACH					
172+73	USH 10	2	---	---	---	---	---	160	---	4	0.138	1267.70	1267.04	0.0083	2 PIPES AT 80'
188+77	USH 10	1	---	---	---	---	90	---	2	---	0.138	1261.39	1254.81	0.0731	
202+52	USH 10	2	---	---	---	---	---	148	---	4	0.138	1215.59	1214.58	0.0136	2 PIPES AT 74'
19+64L	LINCOLN AVE	1	60	---	2	---	---	---	---	---	0.064	1198.20	1197.55	0.0108	
20+42L	LINCOLN AVE	1	---	60	---	2	---	---	---	---	0.079	1197.22	1196.30	0.0090	
19+64H	HALF MILE DR	1	60	---	2	---	---	---	---	---	0.064	1214.38	1213.84	0.0108	
	TOTAL		120	60	4	2	90	308	2	8					

CONCRETE CURB AND GUTTER				WATER			
STATION	LOCATION	601.0415 6-INCH SLOPED 30-INCH TYPE J LF	REMARKS	LOCATION	624.0100 MGAL	SPV.0120.01 WATER SEEDED AREAS MGAL	REMARKS
20+25NB	LT	145	ISLAND REPLACEMENT	PROJECT LIMITS	38	46	CULVERT REPLACEMENT
	TOTAL	145		TOTAL	38	46	

3

<u>FENCE SAFETY</u>			<u>SILT FENCE</u>				<u>MOBILIZATIONS EROSION CONTROL</u>			
616.0700.S			628.1504				628.1905			
LF			MAINTENANCE				EROSION			
REMARKS			LF				CONTROL			
STATION - STATION			STATION				STATION			
107+50 - 111+80			172+72				628.1910			
210+20 - 211+60			188+77				MOBILIZATIONS			
335+10 - 336+70			202+52				EROSION			
			19+64L				CONTROL			
			20+42L				EACH			
			19+64H				EACH			
TOTAL			TOTAL				REMARKS			
790			620				CULVERT			
							REPALCEMENTS			
							TOTAL			
							3			
							1			
							3			
							1			

<u>TOPSOIL, MULCHING, MAT, FERTILIZER, AND SEEDING</u>							
628.2008							
URBAN							
629.0210							
FERTILIZER							
630.0160							
SEEDING							
630.0200							
SEEDING							
TEMPORARY							
REMARKS							
STATION							
LOCATION							
TOPSOIL							
SY							
TYPE B							
SY							
CWT							
LB							
LB							
160+10							
RT							
5							
5							
0.0							
0							

ASPHALTIC FLUME							
172+73							
RT/LT							
256							
256							
0.2							
3							

CULVERT REPLACEMENTS							
188+77							
RT/LT							
308							
308							
0.2							
4							

CULVERT REPLACEMENTS							
202+52							
RT/LT							
221							
221							
0.1							
3							

CULVERT REPLACEMENTS							
19+64L							
RT/LT							
68							
68							
0.04							
1							

CULVERT REPLACEMENTS							
20+42L							
RT/LT							
75							
75							
0.05							
1							

CULVERT REPLACEMENTS							
19+64H							
RT/LT							
68							
68							
0.04							
1							

CULVERT REPLACEMENTS							
UNDISTRIBUTED							
RT/LT							
250							
250							
0.2							
3							
10							
PROJECT LIMITS							
TOTAL							
1251							
1251							
0.8							
17							
10							

<u>CULVERT PIPE CHECKS, TEMPORARY DITCH CHECKS, AND ROCK BAGS</u>							<u>MARKERS CULVERT END</u>		
628.7504							633.5200		
TEMPORARY							EACH		
DITCH							STATION		
CHECKS							LOCATION		
LF							EACH		
172+73							34+99		
RT/LT							RT		
16							1		
188+77							38+36		
RT/LT							RT		
16							1		
202+52							91+27		
RT/LT							RT/LT		
16							2		
16+64L							105+42		
RT/LT							LT		
8							1		
20+42L							156+50		
RT/LT							LT		
8							1		
19+64H							172+73		
RT/LT							RT/LT		
8							2		
TOTAL							188+77		
72							RT/LT		
10							2		
93							202+52		
52							RT/LT		
PROJECT TOTAL							272+42		
145							RT/LT		
							2		
							19+64L		
							RT/LT		
							2		
							20+42L		
							RT/LT		
							2		
							19+64H		
							RT/LT		
							2		
							TOTAL		
							20		

PROJECT NO: 7030-00-74		HWY: USH 10		COUNTY: WOOD		MISCELLANEOUS QUANTITIES		SHEET:		E
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SIGN LISTING

SIGN NO.	SIGN CODE	MESSAGE	SIZE	POSTS WOOD 4" X 6"				637.2230	637.2210	638.2602	638.3000	REMARKS
				634.0612	634.0614	634.0616	634.0618	SIGNS	SIGNS	REMOVING	REMOVING	
				12-FT	14-FT	16-FT	18-FT	REFLECT	REFLECT	SIGNS	SMALL	
				EACH	EACH	EACH	EACH	TYPE F	TYPE H	TYPE II	SUPPORTS	
								SF	SF			
1-01	I2-2	CLARK CO	90X15	---	2	---	---	---	9.37	1	2	
1-02	W14-3	NO PASSING ZONE	48X36	---	1	---	---	6.00	---	1	1	
1-03	R1-1	STOP	30X30	---	1	---	---	---	5.18	1	1	
1-04	R1-1	STOP	30X30	---	1	---	---	---	5.18	1	1	
1-05	W14-3	NO PASSING ZONE	48X36	---	1	---	---	6.00	---	1	1	
1-06	I2-2	WOOD CO	90X15	---	2	---	---	---	9.37	1	2	
1-07	W14-3	NO PASSING ZONE	48X36	---	1	---	---	6.00	---	1	1	
1-08	W14-3	NO PASSING ZONE	48X36	---	1	---	---	6.00	---	1	1	
1-09	J1-1	JCT, COUNTY V	24X39	---	1	---	---	---	6.50	1	1	
1-10	I55-56	ADOPT A HIGHWAY	30X36	---	1	---	---	---	7.50	1	1	
1-11	D1-2	<-SPENCER, LINDSEY ->	66X30	---	2	---	---	---	13.75	1	2	
1-12	J4-1	WEST, USH 10	24X36	---	1	---	---	---	6.00	1	1	
1-13	J13-1	COUNTY V, DOUBLE ARROW LT/RT	24X45	---	---	1	---	---	7.50	1	1	
1-14	R1-1	STOP	36X36	---	1	---	---	---	7.46	1	1	
1-15	R1-1	STOP	36X36	---	1	---	---	---	7.46	1	1	
1-16	J13-1	COUNTY V, DOUBLE ARROW LT/RT	24X45	---	---	1	---	---	7.50	1	1	
1-17	I55-56	ADOPT A HIGHWAY	30X36	---	1	---	---	---	7.50	1	1	
1-18	J4-1	EAST, USH 10	24X36	---	1	---	---	---	6.00	1	1	
1-19	D1-2	<-LINDSEY, SPENCER ->	66X30	---	2	---	---	---	13.75	1	2	
2-01	J1-1	JCT, COUNTY V	24X39	---	1	---	---	---	6.50	1	1	
2-02	W14-3	NO PASSING ZONE	48X36	---	1	---	---	6.00	---	1	1	
2-03	W14-3	NO PASSING ZONE	48X36	---	1	---	---	6.00	---	1	1	
2-04	S3-1	SCHOOL BUS AHEAD	36X36	---	1	---	---	9.00	---	1	1	
2-05	W2-1	CROSS ROAD	30X30	---	1	---	---	6.25	---	1	1	
2-06	R1-1	STOP	30X30	---	1	---	---	---	5.18	1	1	
2-07	R1-1	STOP	30X30	---	1	---	---	---	5.18	1	1	
2-08	R7-1R	NO PARKING ANY TIME	18X24	---	1	---	---	---	3.00	1	1	
2-09	R7-1R	NO PARKING ANY TIME	18X24	---	---	1	---	---	3.00	1	1	
2-10	R7-1D	NO PARKING ANY TIME	18X24	---	1	---	---	---	3.00	1	1	
2-11	R7-1L	NO PARKING ANY TIME	18X24	---	---	1	---	---	3.00	1	1	SHARES SAME POST AS 2-12
2-12	S3-1	SCHOOL BUS AHEAD	36X36	---	---	---	---	9.00	---	1	---	
2-13	R7-1D	NO PARKING ANY TIME	18X24	---	---	1	---	---	3.00	1	1	
2-14	R7-1L	NO PARKING ANY TIME	18X24	---	1	---	---	---	3.00	1	1	
2-15	W14-3	NO PASSING ZONE	48X36	---	1	---	---	6.00	---	1	1	
2-16	W2-1	CROSS ROAD	30X30	---	1	---	---	6.25	---	1	1	
3-01	W2-2	SIDE ROAD	30X30	---	---	1	---	6.25	---	1	1	SHARES SAME POST AS 3-02
3-02	W14-3	NO PASSING ZONE	48X36	---	---	---	---	6.00	---	1	---	
3-03	S1-1	SCHOOL ZONE	36X36	---	1	---	---	6.75	---	1	1	
	WF16-9P	AHEAD	24X8	---	---	---	---	1.33	---	---	---	SHARES SAME POST AS 3-03
	R2-6P	FINES HIGHER	24X18	---	---	---	---	3.00	---	---	---	SHARES SAME POST AS 3-03
3-04	R1-1	STOP	30X30	---	1	---	---	---	5.18	1	1	
3-05	W14-1	DEAD END	30X30	---	1	---	---	6.25	---	1	1	
3-06	R2-1	SPEED LIMIT 55	24X30	---	1	---	---	---	5.00	1	1	
3-07	W3-5	SPEED REDUCTION AHEAD 50 MPH	36X36	---	1	---	---	9.00	---	1	1	
3-08	W14-3	NO PASSING ZONE	48X36	---	1	---	---	6.00	---	1	1	

CONTINUED ON NEXT PAGE

SIGN LISTING

SIGN NO.	SIGN CODE	MESSAGE	SIZE	POSTS WOOD				637.2230	637.2210	638.2602	638.3000	REMARKS
				4" X 6"				SIGNS	SIGNS	REMOVING	REMOVING	
				634.0612 12-FT EACH	634.0614 14-FT EACH	634.0616 16-FT EACH	634.0618 18-FT EACH	REFLECT TYPE F SF	REFLECT TYPE H SF	REMOVING SIGNS TYPE II	SMALL SIGN SUPPORTS	
3-09	R2-1	SPEED LIMIT 50	24X30	---	1	---	---	---	5.00	1	1	
3-10	J1-1	JCT, COUNTY BB	24X39	---	1	---	---	---	6.50	1	1	
3-11	S1-1	SCHOOL ZONE	36X36	---	1	---	---	6.75	---	1	1	
	WF16-9P	AHEAD	24X8	---	---	---	---	1.33	---	---	---	SHARES SAME POST AS 3-11
	R2-6P	FINES HIGHER	24X18	---	---	---	---	3.00	---	---	---	SHARES SAME POST AS 3-11
3-12	S3-1	SCHOOL BUS AHEAD	30X30	---	1	---	---	6.25	---	1	1	
3-13	R2-1	SPEED LIMIT 50	24X30	---	1	---	---	---	5.00	1	1	
3-14	R7-1D	NO PARKING ANY TIME	18X24	---	1	---	---	---	3.00	1	1	SHARES SAME POST AS 3-15
3-15	R2-1	SPEED LIMIT 50	24X30	---	---	---	---	---	5.00	1	---	
3-16	R7-1D	NO PARKING ANY TIME	18X24	---	---	1	---	---	3.00	1	1	SHARES SAME POST AS 3-17
3-17	I55-56	ADOPT A HIGHWAY	30X36	---	---	---	---	---	7.50	1	---	
3-18	R7-1D	NO PARKING ANY TIME	18X24	---	---	1	---	---	3.00	1	1	SHARES SAME POST AS 3-19
3-19	J13-1	COUNTY BB, LT ARROW	24X45	---	---	---	---	---	7.50	1	---	
3-20	R7-1D	NO PARKING ANY TIME	18X24	---	---	1	---	---	3.00	1	1	SHARES SAME POST AS 3-21
3-21	J4-1	WEST, USH 10	24X36	---	---	---	---	---	6.00	1	---	
3-22	R1-1	STOP	36X36	---	---	1	---	---	7.46	1	1	
3-23	R7-1D	NO PARKING ANY TIME	18X24	---	---	1	---	---	3.00	1	1	SHARES SAME POST AS 3-24
3-24	R1-1	STOP	36X36	---	---	---	---	---	7.46	1	---	
3-25	R7-1D	NO PARKING ANY TIME	18X24	---	---	---	1	---	3.00	1	1	SHARES SAME POST AS 3-26
3-26	J13-1	COUNTY BB, RT ARROW	24X45	---	---	---	---	---	7.50	1	---	
3-27	R7-1D	NO PARKING ANY TIME	18X24	---	---	1	---	---	3.00	1	1	SHARES SAME POST AS 3-28
3-28	J4-1	EAST, USH 10	24X36	---	---	---	---	---	6.00	1	---	
3-29	R7-1D	NO PARKING ANY TIME	18X24	---	---	1	---	---	3.00	1	1	SHARES SAME POST AS 3-30
3-30	R2-1	SPEED LIMIT 50	24X30	---	---	---	---	---	5.00	1	---	
3-31	I55-56	ADOPT A HIGHWAY	30X36	---	1	---	---	---	7.50	1	1	
3-32	R2-1	SPEED LIMIT 55	24X30	---	1	---	---	---	5.00	1	1	
3-33	J1-1	JCT, COUNTY BB	24X39	---	1	---	---	---	6.50	1	1	
3-34	W3-5	SPEED REDUCTION AHEAD 50 MPH	36X36	---	1	---	---	9.00	---	1	1	
3-35	W14-3	NO PASSING ZONE	48X36	---	1	---	---	6.00	---	1	1	
3-36	W14-3	NO PASSING ZONE	48X36	---	1	---	---	6.00	---	1	1	
4-01	R1-1	STOP	30X30	---	1	---	---	---	5.18	1	1	
4-02	W14-3	NO PASSING ZONE	48X36	---	1	---	---	6.00	---	1	1	
4-03	R1-1	STOP	30X30	---	1	---	---	---	5.18	1	1	
4-04	R1-1	STOP	30X30	---	1	---	---	---	5.18	1	1	
5-01	R1-1	STOP	30X30	---	1	---	---	---	5.18	1	1	
5-02	J1-1	JCT, COUNTY BB	24X39	---	1	---	---	---	6.50	1	1	
5-03	W14-3	NO PASSING ZONE	48X36	---	---	1	---	6.00	---	1	1	SHARES SAME POST AS 5-04
5-04	J4-1	WEST, USH 10	24X36	---	---	---	---	---	6.00	1	---	
5-05	I55-56	ADOPT A HIGHWAY	30X36	---	1	---	---	---	7.50	1	1	
5-06	J13-1	COUNTY B,LT ARROW	24X45	---	---	1	---	---	7.50	1	1	
5-07	J13-1	COUNTY B, AHEAD/LT ARROW	24X45	---	---	1	---	---	7.50	1	1	
5-08	R1-1	STOP	36X36	---	1	---	---	---	7.46	1	1	
5-09	J12-2	USH 10 LT/RT ARROW, COUNTY B,	48X45	---	---	1	---	---	15.00	1	1	
5-10	R1-1	STOP	36X36	---	1	---	---	---	7.46	1	1	
5-11	R1-1	STOP	36X36	---	1	---	---	---	7.46	1	1	

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3

3

CONTINUED FROM PREVIOUS PAGE

SIGN LISTING												
SIGN NO.	SIGN CODE	MESSAGE	SIZE	POSTS WOOD				637.2230	637.2210	638.2602	638.3000	REMARKS
				4" X 6"				SIGNS	SIGNS	REMOVING	REMOVING	
				634.0612	634.0614	634.0616	634.0618	REFLECT	REFLECT	SIGNS	SMALL	
				12-FT	14-FT	16-FT	18-FT	TYPE F	TYPE H	TYPE II	SUPPORTS	
				EACH	EACH	EACH	EACH	SF	SF			
5-12	W12-1D	DOUBLE DOWN ARROW	24X24	1	---	---	---	4.00	---	1	1	
5-13	D1-57L	<- BAKERVILLE	96X15	---	2	---	---	---	10.00	1	2	
5-14	J12-2	USH 10 LT/RT ARROW, COUNTY B,	48X45	---	---	1	---	---	15.00	1	1	
5-15	J13-1	COUNTY B, AHEAD/RT ARROW	24X45	---	---	1	---	---	7.50	1	1	
5-16	J13-1	COUNTY B, LT ARROW	24X45	---	---	1	---	---	7.50	1	1	
5-17	I55-56	ADOPT A HIGHWAY	30X36	---	1	---	---	---	7.50	1	1	
5-18	D1-57R	BAKERVILLE ->	96X15	---	2	---	---	---	10.00	1	2	
5-19	J4-1	EAST, USH 10	24X36	---	---	1	---	---	6.00	1	1	
5-20	W14-3	NO PASSING ZONE	48X36	---	---	1	---	6.00	---	1	1	
5-21	J1-1	JCT, COUNTY B	24X39	---	---	1	---	---	6.50	1	1	
6-01	I55-56	ADOPT A HIGHWAY	30X36	---	---	1	---	---	7.50	1	1	
6-02	R1-1	STOP	30X30	---	1	---	---	---	5.18	1	1	
6-03	R1-1	STOP	30X30	---	1	---	---	---	5.18	1	1	
6-04	W14-3	NO PASSING ZONE	48X36	---	---	1	---	6.00	---	1	1	
6-05	R1-1	STOP	30X30	---	1	---	---	---	5.18	1	1	
6-06	D5-61	WAYSIDE 1/2 MILE	48X24	---	---	---	2	---	8.00	1	2	SHARES SAME POST AS 6-07
6-07	DB5-69E	HISTORICAL MARKER	48X9	---	---	---	---	---	3.00	1	---	
TOTAL				1	69	25	3	183.41	481.12	103	98	

*SEE DETOUR SHEETS FOR COVERING SIGNS. EACH REPRESENTS THE NUMBER OF SIGNS TO BE COVERED AND WILL BE COVERED/UNCOVERED ONE TIME.

OUR SHEETS FOR COVERING CH REPRESENTS THE NUMBER TO BE COVERED AND WILL BE /UNCOVERED ONE TIME.																	TRAFFIC CONTROL									
STATION	SERVICE PERIOD DAYS	643.0300		643.0420		643.0705		643.0715		643.0800		*643.0910	*643.0920	643.1000	643.1050		REMARKS									
		DRUMS		BARRICADES		WARNING		WARNING		ARROW		COVERING	COVERING	FIXED	PORTABLE											
		NO.	DAYS	NO.	DAYS	NO.	DAYS	NO.	DAYS	NO.	DAYS	SIGNS	SIGNS	MESSAGE	CHANGEABLE	MESSAGE										
												TYPE I	TYPE II	SIGNS												
		NO.	DAYS	NO.	DAYS	NO.	DAYS	NO.	DAYS	NO.	DAYS	EACH	EACH	SF	NO.	DAYS										
PROJECT LIMITS	7	---	---	---	---	---	---	---	---	---	---	---	---	---	2	14	TRAFFIC CONTROL OVERVIEW									
USH 10/STH 73/STH 80	12	---	---	3	36	6	72	---	---	---	---	2	10	---	---	---	DETOUR ROUTE OVERVIEW									
USH 10/STH 73	12	---	---	---	---	---	---	---	---	---	---	2	9	28	---	---	DETOUR ROUTE - DETAIL A									
STH 73/STH 95	12	---	---	1	12	2	24	---	---	---	---	---	---	---	---	---	DETOUR ROUTE - DETAIL B									
STH 73/STH 80	12	---	---	1	12	2	24	---	---	---	---	---	---	---	---	---	DETOUR ROUTE - DETAIL C									
STH 80/USH 10	12	---	---	---	---	---	---	---	---	---	---	1	1	---	---	---	DETOUR ROUTE - DETAIL D1									
STH 80/USH 10	12	---	---	1	---	2	---	---	---	---	---	1	5	---	---	---	DETOUR ROUTE - DETAIL D2									
USH 10	12	31	372	4	48	8	96	7	84	---	---	---	---	---	---	---	DETOUR ROUTE - DETAIL D3									
USH 10	12	21	252	---	---	---	---	7	84	1	12	---	---	---	---	---	DETOUR ROUTE - DETAIL D4									
USH 10	12	15	180	---	---	---	---	---	---	1	12	---	---	---	---	---	DETOUR ROUTE - DETAIL D5									
WORK ZONE LIMITS	7	---	---	---	---	---	---	---	---	---	---	---	---	---	2	14	TRAFFIC CONTROL - CULVERT REPLACEMENT									
145+00 - 227+00	12	---	---	18	216	20	240	---	---	---	---	---	---	---	---	---	TRAFFIC CONTROL - CULVERT REPLACEMENT									
20+25NB	5	15	75	3	15	4	20	15	75	---	---	---	---	---	---	---	ISLAND REPLACEMENT									
19+64L	1	---	---	10	10	6	6	---	---	---	---	---	---	---	---	---	CULVERT REPLACEMENT									
20+42L	1	---	---	10	10	6	6	---	---	---	---	---	---	---	---	---	CULVERT REPLACEMENT									
19+64H	1	---	---	10	10	6	6	---	---	---	---	---	---	---	---	---	CULVERT REPLACEMENT									
TOTAL		879		369		494		243		24		6	25	28	28											

TRAFFIC CONTROL SIGNS

LOCATION	SIGN CODE	MESSAGE	NUMBER REQUIRED	DAYS NEEDED	643.0900	REMARKS
					SIGNS DAYS	
USH 10	W20-1	ROAD WORK AHEAD	1	76	76	TRAFFIC CONTROL OVERVIEW
	W20-1	ROAD WORK 1000 FT	1	76	76	TRAFFIC CONTROL OVERVIEW
	W20-1	ROAD WORK 500 FT	1	76	76	TRAFFIC CONTROL OVERVIEW
	G20-2	END ROAD WORK	1	76	76	TRAFFIC CONTROL OVERVIEW
	W057-51	NEXT 7 MILES	1	76	76	TRAFFIC CONTROL OVERVIEW
	W20-4	ONE LANE ROAD AHEAD	2	54	108	
	W20-7A	FLAGGER SIGN	2	54	108	
	W3-4	BE PREPARED TO STOP	2	54	108	
	R4-1	DO NOT PASS	15	14	210	FOG SEALING
	W14-3	NO PASSING ZONE	15	14	210	FOG SEALING
	R4-2	PASS WITH CARE	15	14	210	FOG SEALING
	W8-12	NO CENTER STRIP	14	14	196	FOG SEALING
LYNN LINE RD	W20-1	ROAD WORK AHEAD	1	76	76	TRAFFIC CONTROL OVERVIEW
FAIRHAVEN AVE	W20-1	ROAD WORK AHEAD	1	76	76	TRAFFIC CONTROL OVERVIEW
CTH V	W20-1	ROAD WORK AHEAD	2	76	152	TRAFFIC CONTROL OVERVIEW
EAGLE RD	W20-1	ROAD WORK AHEAD	2	76	152	TRAFFIC CONTROL OVERVIEW
BLOCH LANE	W20-1	ROAD WORK AHEAD	1	76	76	TRAFFIC CONTROL OVERVIEW
FALCON RD	W20-1	ROAD WORK AHEAD	1	76	76	TRAFFIC CONTROL OVERVIEW
CTH BB	W20-1	ROAD WORK AHEAD	1	76	76	TRAFFIC CONTROL OVERVIEW
BLUBIRD LANE	W20-1	ROAD WORK AHEAD	1	76	76	TRAFFIC CONTROL OVERVIEW

TRAFFIC CONTROL SIGNS

LOCATION	SIGN CODE	MESSAGE	NUMBER REQUIRED	DAYS NEEDED	643.0900	REMARKS
					SIGNS DAYS	
ROBIN RD	W20-1	ROAD WORK AHEAD	2	76	152	TRAFFIC CONTROL OVERVIEW
RIVEREDGE RD	W20-1	ROAD WORK AHEAD	1	76	76	TRAFFIC CONTROL OVERVIEW
CTH B	W20-1	ROAD WORK AHEAD	2	76	152	TRAFFIC CONTROL OVERVIEW
	W20-4	ONE LANE ROAD AHEAD	1	5	5	ISLAND REPLACEMENT
	W20-7A	FLAGGER SIGN	1	5	5	ISLAND REPLACEMENT
LINCOLN AVE	W20-1	ROAD WORK AHEAD	2	76	152	TRAFFIC CONTROL OVERVIEW
	W20-4	ONE LANE ROAD AHEAD	1	5	5	CULVERT REPLACEMENT
	W20-7A	FLAGGER SIGN	1	5	5	CULVERT REPLACEMENT
HALF MILE DR	W20-1	ROAD WORK AHEAD	1	76	76	TRAFFIC CONTROL OVERVIEW
	W20-4	ONE LANE ROAD AHEAD	1	5	5	CULVERT REPLACEMENT
	W20-7A	FLAGGER SIGN	1	5	5	CULVERT REPLACEMENT
USH 10	W057-51	NEXT 7 MILES	1	76	76	TRAFFIC CONTROL ADVANCED SIGNING
STH 80	W20-1	ROAD WORK AHEAD	3	76	228	TRAFFIC CONTROL ADVANCED SIGNING
	W20-1	ROAD WORK 1000FT	3	76	228	TRAFFIC CONTROL ADVANCED SIGNING
	W20-1	ROAD WORK 500FT	3	76	228	TRAFFIC CONTROL ADVANCED SIGNING
	G20-2A	END ROAD	2	76	152	TRAFFIC CONTROL
KLONDIKE DR	W20-1	ROAD WORK AHEAD	1	76	76	TRAFFIC CONTROL ADVANCED SIGNING
	W20-1	ROAD WORK 1000FT	1	76	76	TRAFFIC CONTROL ADVANCED SIGNING
	W20-1	ROAD WORK 500FT	1	76	76	TRAFFIC CONTROL ADVANCED SIGNING
	G20-2A	END ROAD	1	76	76	TRAFFIC CONTROL
TOTAL					4144	

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TRAFFIC CONTROL DETOUR SIGNS						
LOCATION	SIGN CODE	MESSAGE	NUMBER REQUIRED	DAYS NEEDED	643.3000 DETOUR DAYS	REMARKS
USH 10/ STH 73/ STH 80	M1-4	USH 10	20	12	240	DETOUR ROUTE OVERVIEW
	M3-2	EAST	12	12	144	DETOUR ROUTE OVERVIEW
	M4-3	WEST	9	12	108	DETOUR ROUTE OVERVIEW
	M4-8A	END DETOUR	1	12	12	DETOUR ROUTE OVERVIEW
	M4-8	DETOUR	16	12	192	DETOUR ROUTE OVERVIEW
	MO6-1	DIRECTIONAL ARROW	3	12	36	DETOUR ROUTE OVERVIEW
	W20-2	DETOUR 5 MILES	2	12	24	DETOUR ROUTE OVERVIEW
	R11-3C	ROAD CLOSED 16 MILES AHEAD	1	12	12	DETOUR ROUTE OVERVIEW
	R11-3B	ROAD CLOSED 8 MILES AHEAD LOCAL TRAFFIC ONLY	1	12	12	DETOUR ROUTE OVERVIEW
	R11-3B	ROAD CLOSED 4 MILES AHEAD LOCAL TRAFFIC ONLY	1	12	12	DETOUR ROUTE OVERVIEW
	R11-3	ROAD CLOSED 1 MILES AHEAD LOCAL TRAFFIC ONLY	2	12	24	DETOUR ROUTE OVERVIEW
USH 10/ STH 73	M1-4	USH 10	14	12	168	DETOUR ROUTE - DETAIL A
	M3-2	EAST	13	12	156	DETOUR ROUTE - DETAIL A
	M4-3	WEST	1	12	12	DETOUR ROUTE - DETAIL A
	M4-8A	END DETOUR	1	12	12	DETOUR ROUTE - DETAIL A
	M4-8	DETOUR	7	12	84	DETOUR ROUTE - DETAIL A
	MO5-1R	ADVANCE TURN ARROW	3	12	36	DETOUR ROUTE - DETAIL A
	MO6-1	DIRECTIONAL ARROW	5	12	60	DETOUR ROUTE - DETAIL A
	W20-2	DETOUR AHEAD	2	12	24	DETOUR ROUTE - DETAIL A
	W20-2	DETOUR 1500 FT	2	12	24	DETOUR ROUTE - DETAIL A
	R11-3C	ROAD CLOSED 20 MILES AHEAD	2	12	24	DETOUR ROUTE - DETAIL A
STH 73/ STH 95	M1-4	USH 10	11	12	132	DETOUR ROUTE - DETAIL B
	M3-2	EAST	8	12	96	DETOUR ROUTE - DETAIL B
	M4-3	WEST	3	12	36	DETOUR ROUTE - DETAIL B
	M4-8	DETOUR	8	12	96	DETOUR ROUTE - DETAIL B
	MO5-1R	ADVANCE TURN ARROW	3	12	36	DETOUR ROUTE - DETAIL B
	MO6-1	DIRECTIONAL ARROW	3	12	36	DETOUR ROUTE - DETAIL B
	W20-2	DETOUR AHEAD	1	12	12	DETOUR ROUTE - DETAIL B
	W20-2	DETOUR 1500 FT	1	12	12	DETOUR ROUTE - DETAIL B
	R11-3C	ROAD CLOSED 24 MILES AHEAD	1	12	12	DETOUR ROUTE - DETAIL B
STH 73/ STH 80	M1-4	USH 10	12	12	144	DETOUR ROUTE - DETAIL C
	M3-2	EAST	4	12	48	DETOUR ROUTE - DETAIL C
	M4-3	WEST	8	12	96	DETOUR ROUTE - DETAIL C
	M4-8	DETOUR	9	12	108	DETOUR ROUTE - DETAIL C
	MO5-1R	ADVANCE TURN ARROW	3	12	36	DETOUR ROUTE - DETAIL C
	MO6-1	DIRECTIONAL ARROW	4	12	48	DETOUR ROUTE - DETAIL C
	W20-2	DETOUR AHEAD	1	12	12	DETOUR ROUTE - DETAIL C

PROJECT NO: 7030-00-74

HWY: USH 10

COUNTY: WOOD

MISCELLANEOUS QUANTITIES

SHEET:

E

FILE NAME :

PLOT DATE :

PLOT BY :

PLOT NAME :

PLOT SCALE : 1:1

TRAFFIC CONTROL DETOUR SIGNS						
LOCATION	SIGN CODE	MESSAGE	NUMBER REQUIRED	DAYS NEEDED	643.3000 DETOUR DAYS	REMARKS
	W20-2	DETOUR 1500 FT	1	12	12	DETOUR ROUTE - DETAIL C
	R11-3C	ROAD CLOSED 14 MILES AHEAD	1	12	12	DETOUR ROUTE - DETAIL C
STH 80/ USH 10	M1-4	USH 10	4	12	48	DETOUR ROUTE - DETAIL D1
	M3-2	EAST	1	12	12	DETOUR ROUTE - DETAIL D1
	M4-3	WEST	3	12	36	DETOUR ROUTE - DETAIL D1
	M4-8A	END DETOUR	1	12	12	DETOUR ROUTE - DETAIL D1
	M4-8	DETOUR	3	12	36	DETOUR ROUTE - DETAIL D1
	W20-2	DETOUR AHEAD	1	12	12	DETOUR ROUTE - DETAIL D1
USH 10/ KLONDIKE DR	M1-4	USH 10	11	12	132	DETOUR ROUTE - DETAIL D2
	M4-3	WEST	11	12	132	DETOUR ROUTE - DETAIL D2
	M4-8	DETOUR	7	12	84	DETOUR ROUTE - DETAIL D2
	W20-2	DETOUR AHEAD	3	12	36	DETOUR ROUTE - DETAIL D2
	MO5-1R	ADVANCE TURN ARROW	3	12	36	DETOUR ROUTE - DETAIL D2
	MO6-1	DIRECTIONAL ARROW	7	12	84	DETOUR ROUTE - DETAIL D2
	W20-3	ROAD CLOSED AHEAD	1	12	12	DETOUR ROUTE - DETAIL D2
	R11-3	ROAD CLOSED 3 MILES AHEAD LOCAL TRAFFIC ONLY	1	12	12	DETOUR ROUTE - DETAIL D2
	R11-3C	ROAD CLOSED 5 MILES AHEAD	1	12	12	DETOUR ROUTE - DETAIL D2
USH 10	R11-2(MOD)	LANE CLOSED	3	12	36	DETOUR ROUTE - DETAIL D3
USH 10	WO4-2R	RIGHT LANE ENDS	2	12	24	DETOUR ROUTE - DETAIL D5
	W20-5	RIGHT LANE CLOSED 1500 FT	2	12	24	DETOUR ROUTE - DETAIL D5
	W20-5	RIGHT LANE CLOSED 1/2 MILE	2	12	24	DETOUR ROUTE - DETAIL D5
	W20-5	RIGHT LANE CLOSED 1 MILE	2	12	24	DETOUR ROUTE - DETAIL D5
USH 10	W20-3	ROAD CLOSED AHEAD	2	12	24	TRAFFIC CONTROL - CULVERT REPLACEMENT
	R11-3	ROAD CLOSED 0.5 MILES AHEAD LOCAL	2	12	24	TRAFFIC CONTROL - CULVERT REPLACEMENT
	W20-3	ROAD CLOSED 1000 FT	2	12	24	TRAFFIC CONTROL - CULVERT REPLACEMENT
	W20-3	ROAD CLOSED 500 FT	2	12	24	TRAFFIC CONTROL - CULVERT REPLACEMENT
	R11-4	ROAD CLOSED TO THRU TRAFFIC	2	12	24	TRAFFIC CONTROL - CULVERT REPLACEMENT
	R11-2	ROAD CLOSED	2	12	24	TRAFFIC CONTROL - CULVERT REPLACEMENT
TOTAL					3132	

3

PAVEMENT MARKING EPOXY

STATION - STATION	LOCATION	646.0106		646.0126	647.0726	647.0566	REMARKS
		4-INCH	4-INCH	8-INCH	12-INCH	18-INCH	
		EDGE LINE WHITE LF	CENTER LINE YELLOW LF	LANE LINE WHITE LF	DIAGONAL WHITE LF	STOP LINE WHITE LF	
9+70 - 9+90	RT	20	---	---	---	---	SOLID
10+50 - 54+60	RT	4410	---	---	---	---	SOLID
55+70 - 104+60	RT	4890	---	---	---	---	SOLID
105+70 - 159+10	RT	5340	---	---	---	---	SOLID
160+20 - 185+35	RT	2515	---	---	---	---	SOLID
186+45 - 211+60	RT	2515	---	---	---	---	SOLID
212+70 - 262+00	RT	4930	---	---	---	---	SOLID
263+10 - 316+20	RT	5310	---	---	---	---	SOLID
317+30 - 336+20	RT	1890	---	---	---	---	SOLID
337+30 - 354+51	RT	1721	---	---	---	---	SOLID
9+70 - 9+90	CL	---	25	---	---	---	SOLID/DASHED
9+90 - 11+50	CL	---	40	---	---	---	DASHED
11+50 - 19+20	CL	---	963	---	---	---	DASHED/SOLID
19+20 - 22+40	CL	---	80	---	---	---	DASHED
22+40 - 29+90	CL	---	938	---	---	---	SOLID/DASHED
29+90 - 39+90	CL	---	250	---	---	---	DASHED
39+90 - 49+70	CL	---	1225	---	---	---	DASHED/SOLID
49+70 - 62+90	CL	---	2640	---	---	---	DOUBLE YELLOW
62+90 - 74+30	CL	---	1425	---	---	---	SOLID/DASHED
74+30 - 82+20	CL	---	988	---	---	---	DASHED/SOLID
85+20 - 110+50	CL	---	5060	---	---	---	DOUBLE YELLOW
110+50 - 117+80	CL	---	913	---	---	---	SOLID/DASHED
117+80 - 122+10	CL	---	860	---	---	---	DOUBLE YELLOW
122+10 - 131+00	CL	---	1113	---	---	---	DASHED/SOLID
131+00 - 144+10	CL	---	2620	---	---	---	DOUBLE YELLOW
144+10 - 156+50	CL	---	1550	---	---	---	DASHED/SOLID
156+50 - 160+20	CL	---	740	---	---	---	DOUBLE YELLOW
160+20 - 170+40	CL	---	1275	---	---	---	SOLID/DASHED
170+40 - 173+40	CL	---	75	---	---	---	DASHED
173+40 - 185+00	CL	---	1450	---	---	---	DASHED/SOLID
185+00 - 191+60	CL	---	1320	---	---	---	DOUBLE YELLOW
191+60 - 204+00	CL	---	1550	---	---	---	SOLID/DASHED
204+00 - 254+00	CL	---	1250	---	---	---	DASHED
254+00 - 260+30	CL	---	788	---	---	---	DASHED/SOLID
260+30 - 267+70	CL	---	1480	---	---	---	DOUBLE YELLOW
267+70 - 278+10	CL	---	1300	---	---	---	SOLID/DASHED
278+10 - 324+90	CL	---	1170	---	---	---	DASHED
324+90 - 332+80	CL	---	988	---	---	---	DASHED/SOLID
332+80 - 335+50	CL	---	68	---	---	---	DASHED
335+50 - 343+80	CL	---	1038	---	---	---	SOLID/DASHED
343+80 - 349+50	CL	---	143	---	---	---	DASHED
349+50 - 354+51	CL	---	1002	---	---	---	DOUBLE YELLOW
9+70 - 9+90	LT	20	---	---	---	---	SOLID
10+50 - 54+60	LT	4410	---	---	---	---	SOLID
55+70 - 104+60	LT	4890	---	---	---	---	SOLID

CONTINUED ON NEXT PAGE

CONTINUED FROM PREVIOUS PAGE

PAVEMENT MARKING EPOXY

STATION - STATION	LOCATION	646.0106		646.0126	647.0726	647.0566	REMARKS
		4-INCH	4-INCH	8-INCH	12-INCH	18-INCH	
		EDGE LINE WHITE LF	CENTER LINE YELLOW LF	LANE LINE WHITE LF	DIAGONAL WHITE LF	STOP LINE WHITE LF	
105+70 - 133+10	LT	2740	---	---	---	---	SOLID
134+50 - 159+10	LT	2460	---	---	---	---	SOLID
160+20 - 211+60	LT	5140	---	---	---	---	SOLID
212+70 - 242+50	LT	2980	---	---	---	---	SOLID
243+60 - 276+10	LT	3250	---	---	---	---	SOLID
268+20 - 316+20	LT	4800	---	---	---	---	SOLID
317+30 - 354+51	LT	3721	---	---	---	---	SOLID
138+40 - 144+10	RT	713	---	---	---	---	DASHED (NASONVILLESCHOOL)
260+30 - 263+50	RT	80	---	---	---	---	DOUBLE DASHED (CTH B)
260+30 - 263+90	LT	90	---	---	---	---	DASHED (CTH B)
263+50 - 265+70	RT	---	---	---	110	---	DIAGONAL (CTH B)
263+90 - 266+80	LT	---	---	---	145	---	DIAGONAL (CTH B)
266+10 - 269+00	RT	73	---	---	---	---	DASHED (CTH B)
268+20 - 270+00	LT	---	---	180	---	---	SOLID (CTH B)
262+50	LT	---	---	---	---	25	SOLID (CTH B SOUTH)
267+50	RT	---	---	---	---	15	SOLID (CTH B NORTH)
268+00	RT	---	---	---	---	20	SOLID (CTH B NORTH)
SUB TOTAL		68908	36323	180	225	60	
PROJECT TOTAL		105231					

REMOVING PAVEMENT MARKING

STATION - STATION	LOCATION	646.0600 LF	REMARKS
263+68.94 - 266+17.46	RT/LT	675	B-71-159
TOTAL		675	

LOCATING NO-PASSING ZONES

STATION - STATION	648.0100 MILES
9+70 - 354+51	6.53
TOTAL	6.53

TEMPORARY PAVEMENT MARKING

STATION - STATION	LOCATION	649.0100 YELLOW 4-INCH LF	REMARKS
		LF	
9+70 - 354+51	CL	36323	POST ASPHALTIC SURFACE MILLING
9+70 - 354+51	CL	36323	POST HMA PAVEMENT
		72646	

CONSTRUCTION STAKING

	650.5500	650.6000	650.8000	
	CURB &	PIPE	RESURFACING	
	GUTTER	CULVERTS	REFERENCE	
STATION - STATION	LF	EACH	LF	REMARKS
9+70 - 354+51	---	---	34481	USH 10
172+73	---	2	---	CULVERT REPLACEMENT
188+77	---	1	---	CULVERT REPLACEMENT
202+52	---	2	---	CULVERT REPLACEMENT
20+25NB	145	---	---	ISLAND REPLACEMENT
19+64L	---	1	---	CULVERT REPLACEMENT
20+42L	---	1	---	CULVERT REPLACEMENT
19+64H	---	1	---	CULVERT REPLACEMENT
TOTAL	145	8	34481	

TEMPORARY PAVEMENT MARKING REFLECTIVE TABS

		SPV.0060.01	
		REFELECTIVE	
		TABS	
STATION - STATION	LOCATION	EACH	REMARKS
9+70 - 354+51	CL	690	YELLOW TABS, POST FOG SEALING
TOTAL		690	

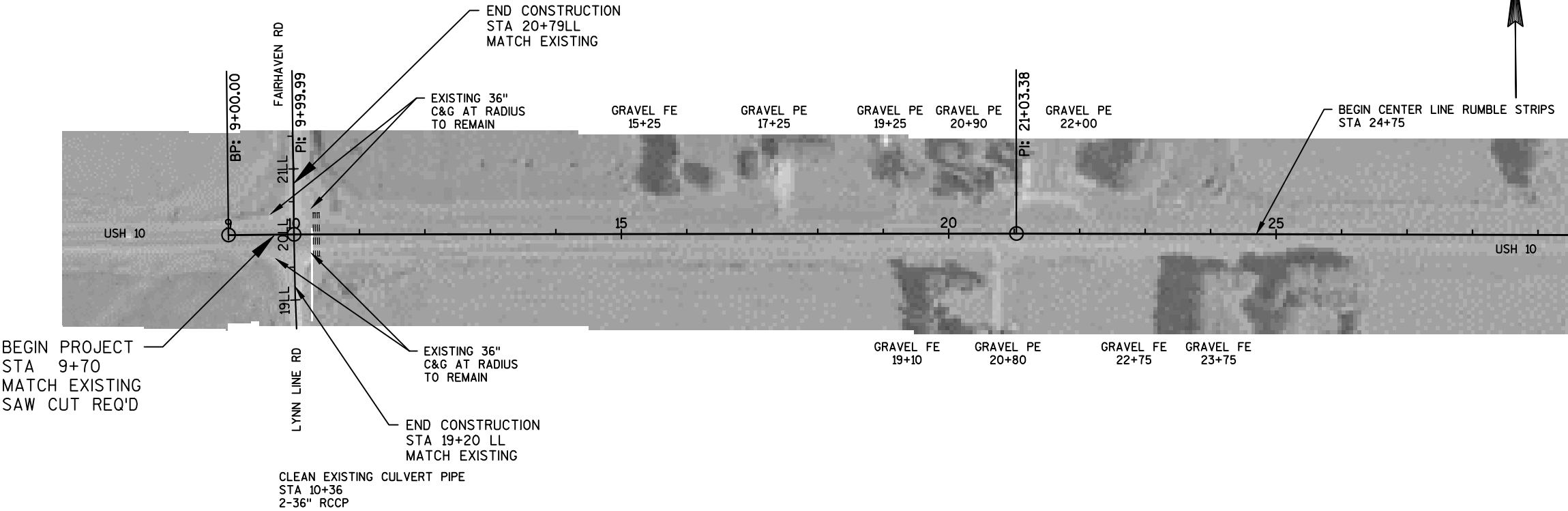
SAWING ASPHALT

		690.0150	
STATION	LOCATION	LF	REMARKS
9+70	CL	30	USH 10
19+63V	RT	22	CTH V
21+19V	LT	22	CTH V
78+25	RT	20	DRIVEWAY
20+86E	LT	30	EAGLE RD
20+75B	LT	30	BLOCH LN
138+65	LT	35	DRIVEWAY
140+60	LT	35	DRIVEWAY
19+03BB	RT	30	FALCON RD
20+69BB	LT	40	CTH BB
172+73	CL	60	CULVERT REPLACEMENT
188+77	CL	60	CULVERT REPLACEMENT
191+40	LT	20	DRIVEWAY
202+52	CL	60	CULVERT REPLACEMENT
20+56R	LT	30	ROBIN RD
20+42RE	LT	30	RIVEREDGE RD
261+50	LT	35	DRIVEWAY
19+73SB	RT	22	CTH B
20+60NB	LT	22	CTH B
299+00	RT	20	DRIVEWAY
19+53L	RT	60	LINCOLN AVE
20+51L	LT	60	LINCOLN AVE
19+80H	RT	60	HALF MILE DR
344+80	LT	20	DRIVEWAY
354+51	CL	30	USH 10
TOTAL		883	

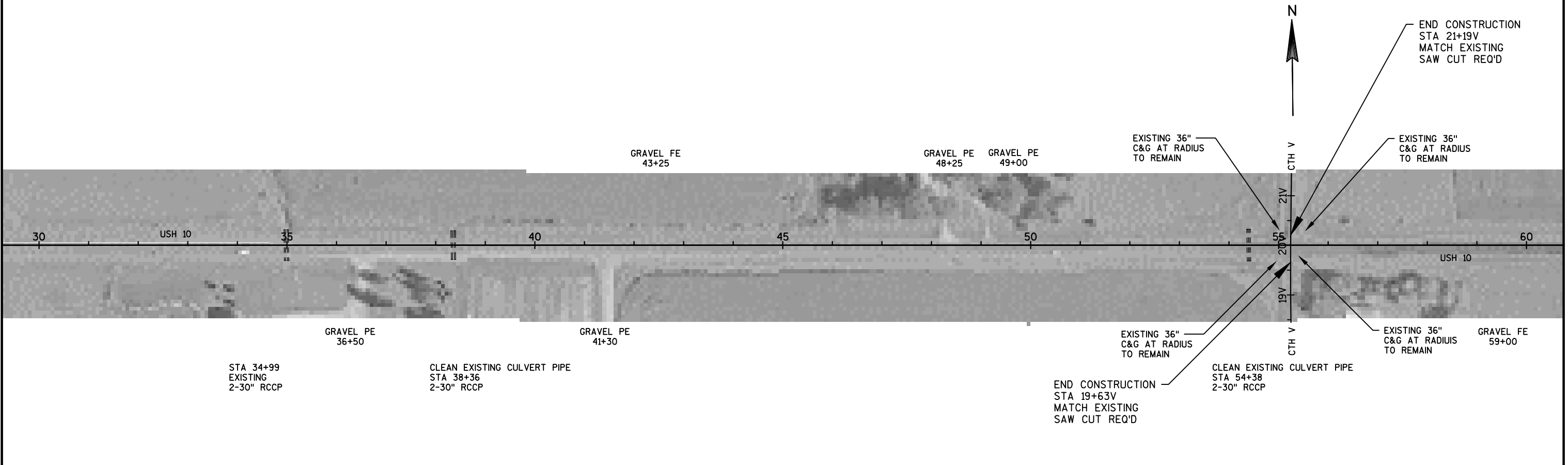
FOG SEALING

		SPV.0090.01
		FOG
		SEALING
STATION - STATION	LOCATION	LF
9+70 - 354+51	CL	34481
TOTAL		34481

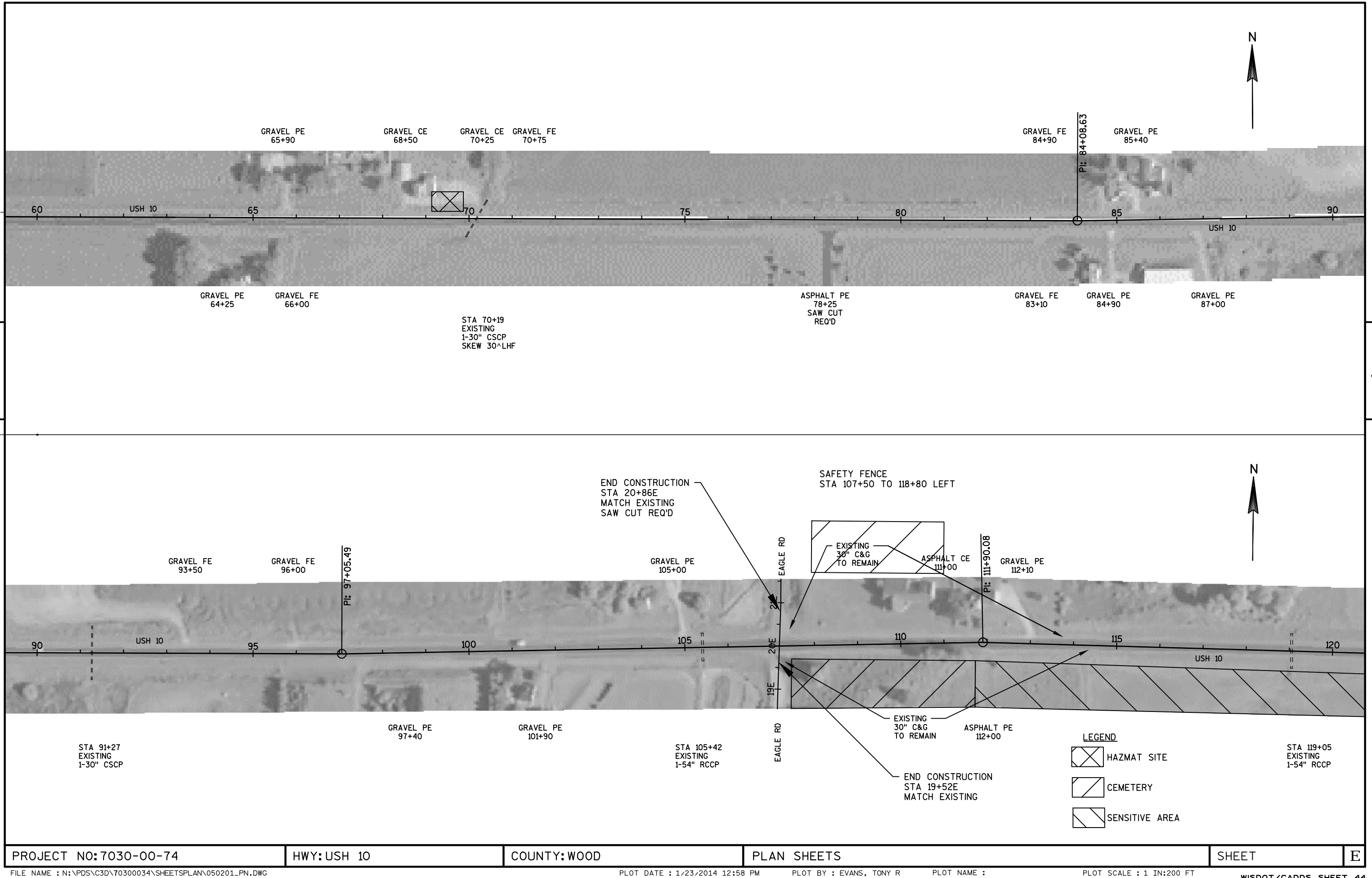
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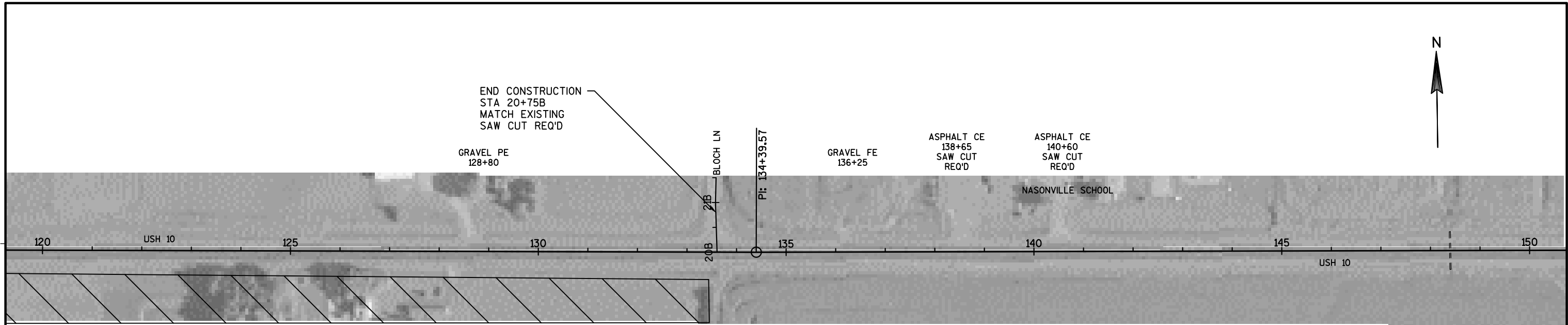


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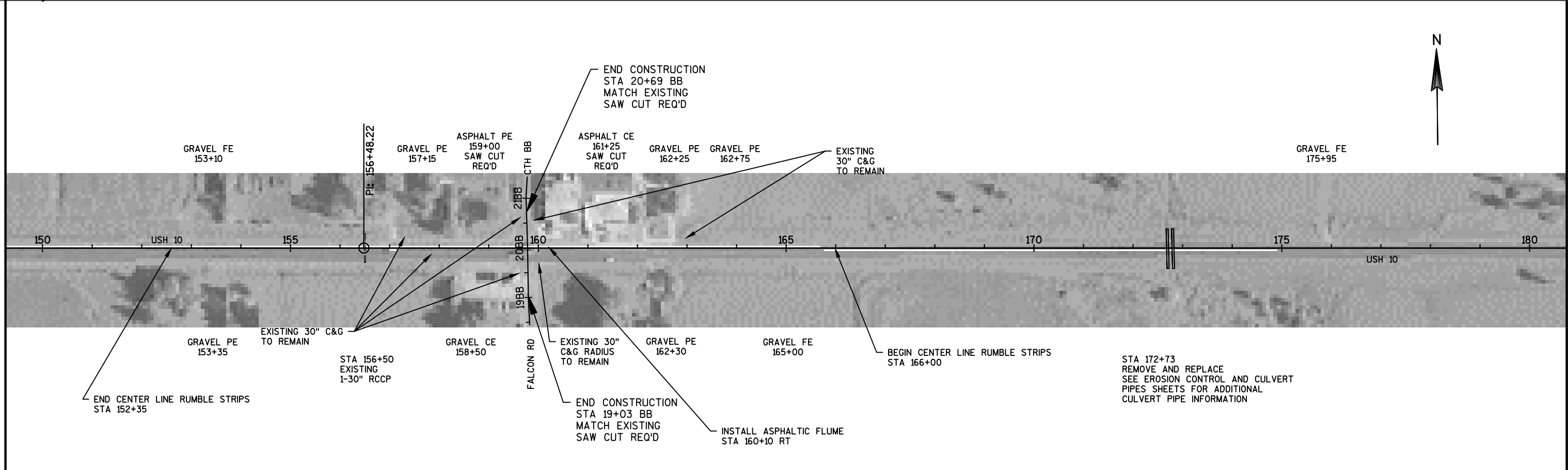
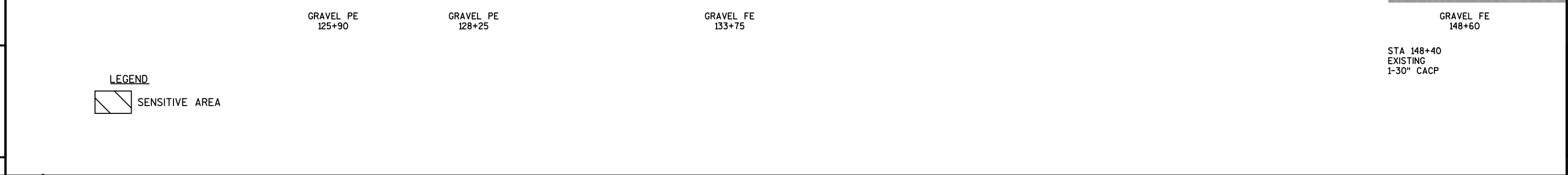
PROJECT NO: 7030-00-74	HWY: USH 10	COUNTY: WOOD	PLAN SHEETS	SHEET	E
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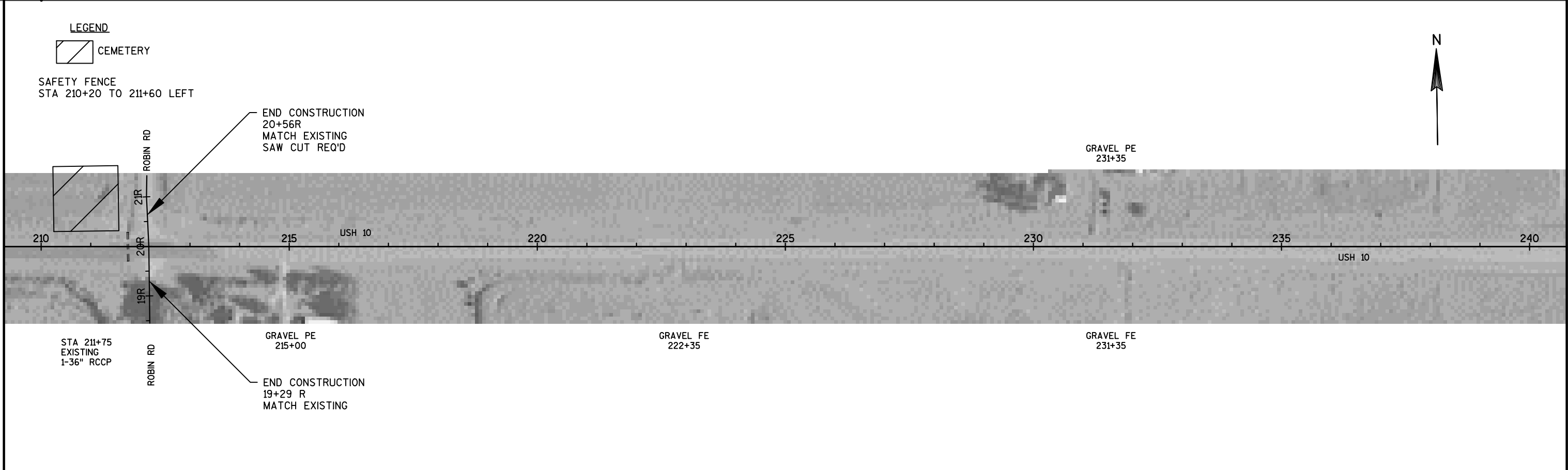
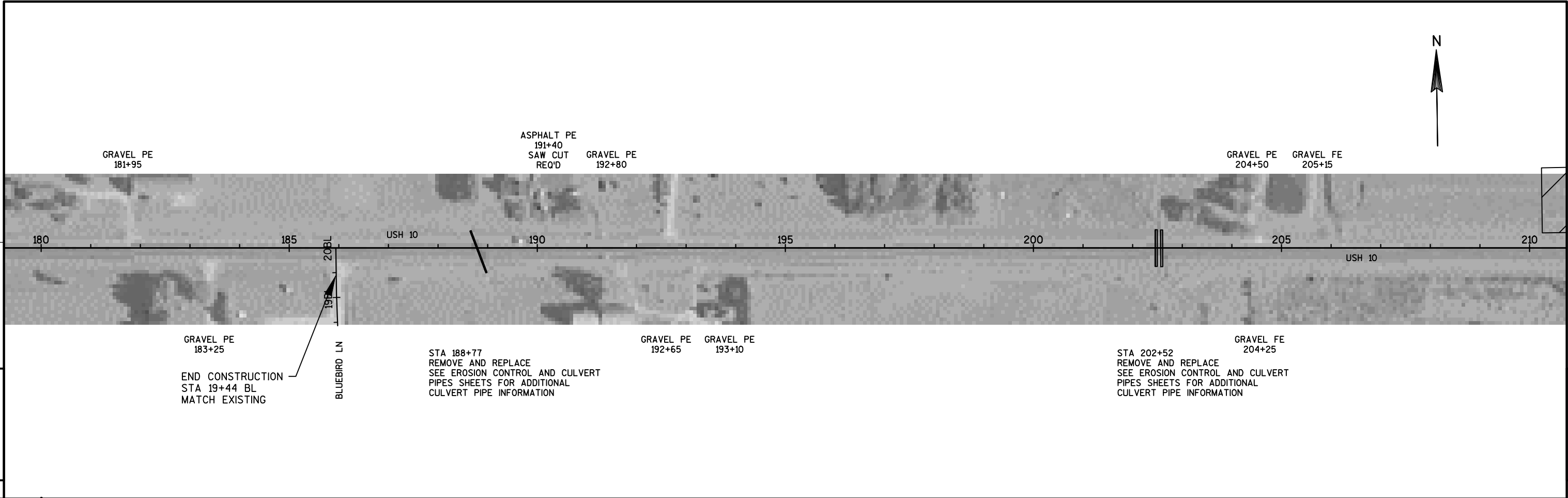


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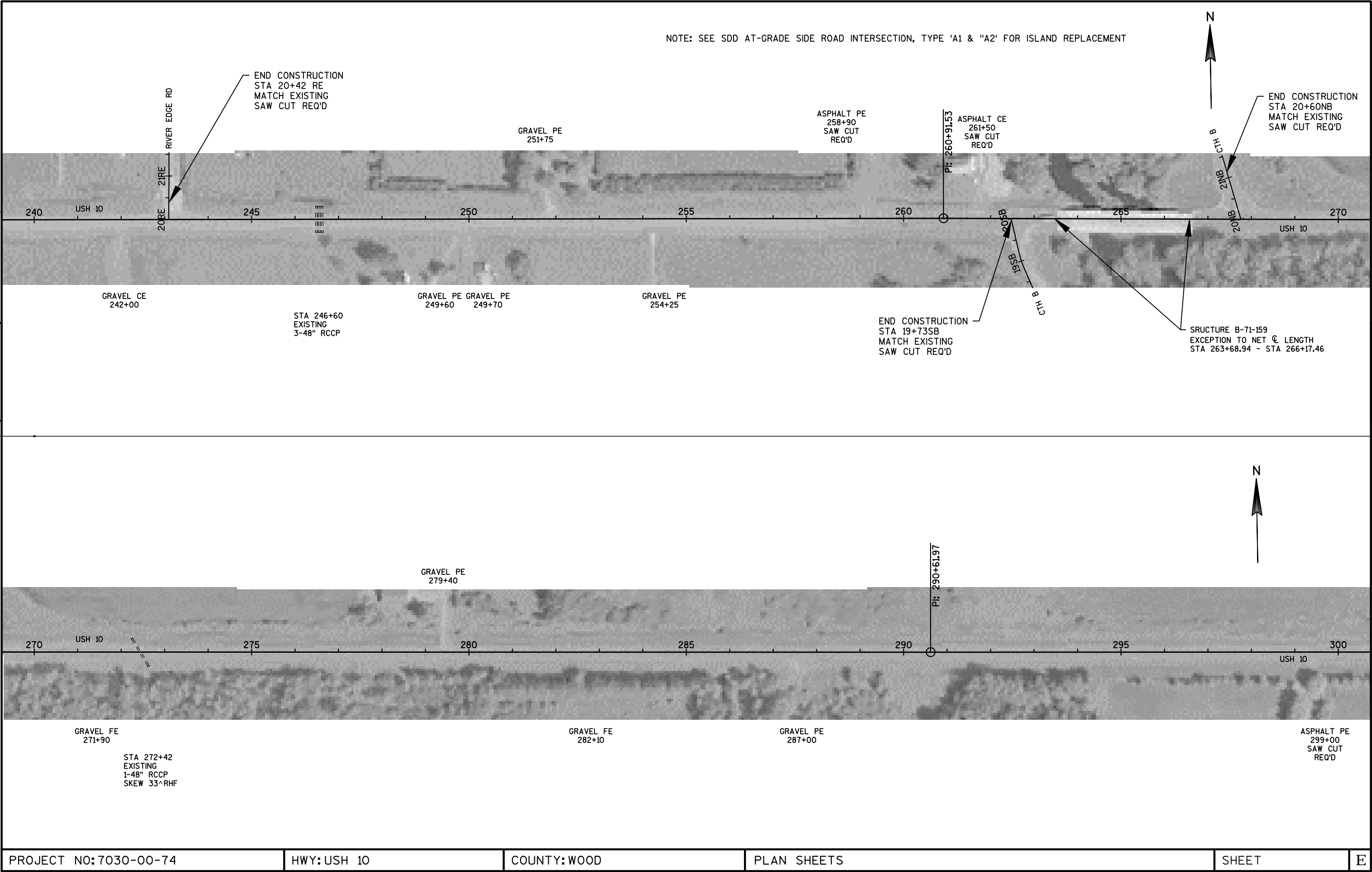
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PROJECT NO: 7030-00-74	HWY: USH 10	COUNTY: WOOD	PLAN SHEETS	SHEET	E
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PROJECT NO: 7030-00-74	HWY: USH 10	COUNTY: WOOD	PLAN SHEETS	SHEET	E
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PROJECT NO: 7030-00-74

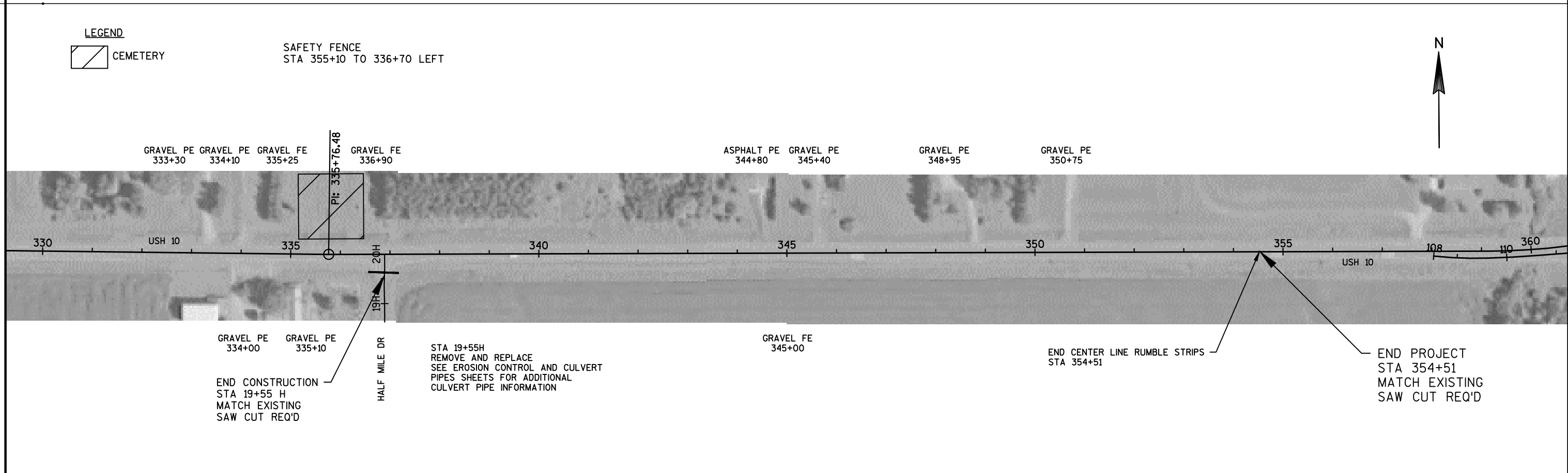
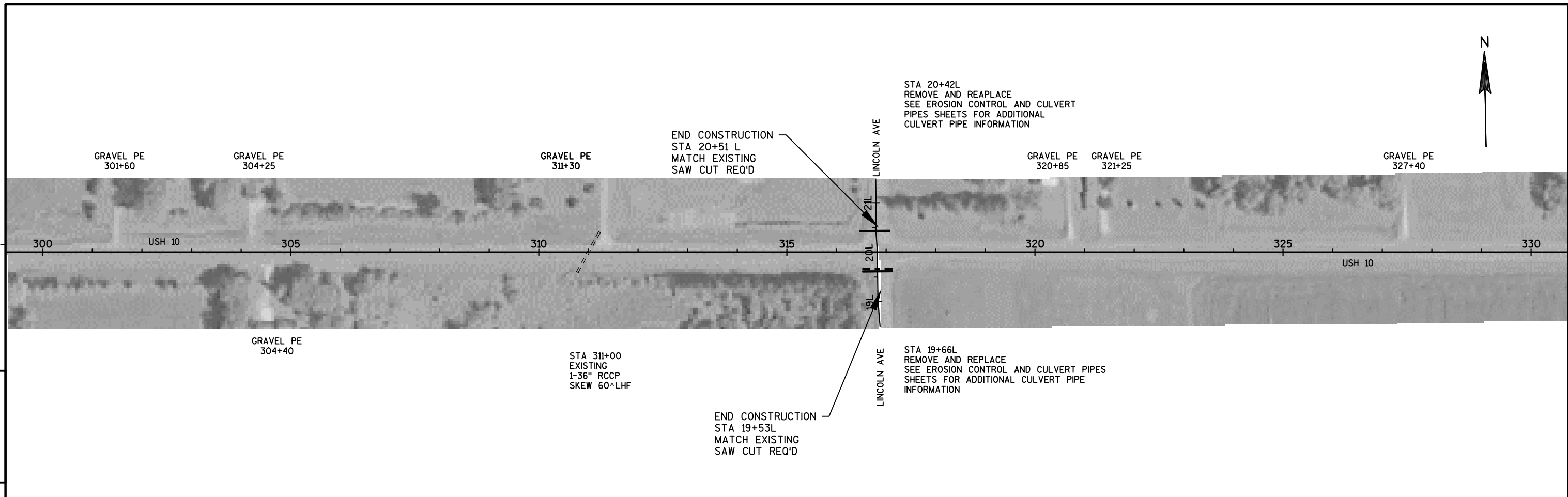
HWY: USH 10

COUNTY: WOOD

PLAN SHEETS

SHEET

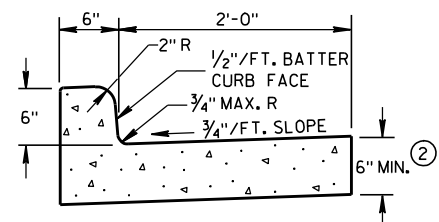
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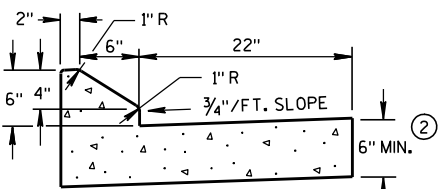
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Standard Detail Drawing List

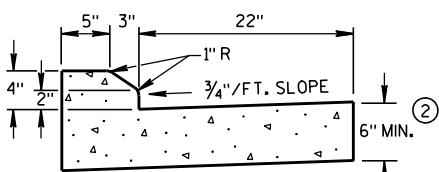
08D01-17	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
09A01-13A	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE INTERSECTION BYPASS LANE
09A01-13B	AT-GRADE SIDE ROAD INTERSECTION, TYPE "A1" & "A2"
13A11-02A	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13A11-02B	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
14B29-01	SAFETY EDGE
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-05A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-05B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-05C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-02	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C04-02	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M. P. H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C06-06	SIGNING & MARKING FOR TWO LANE BRIDGES
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C08-16B	PAVEMENT MARKING (INTERSECTIONS)
15C08-16C	PAVEMENT MARKING (CLIMBING LANE & PASSING LANE)
15C08-16F	PAVEMENT MARKING (ISLANDS)
15C12-04	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15C19-02A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C33-01	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D28-02	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY



TYPES A & D ①

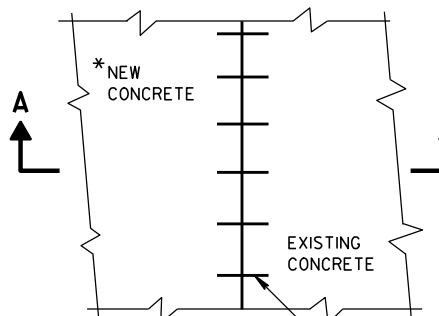


6" SLOPED CURB TYPES G & J ①



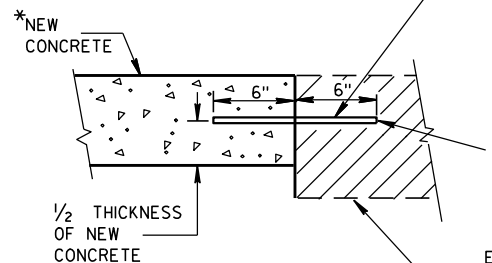
4" SLOPED CURB TYPES G & J ①

CONCRETE CURB & GUTTER 30"



PLAN VIEW

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

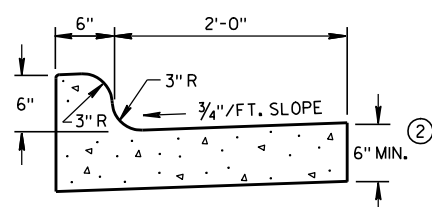


SECTION A-A
TIE BARS DRILLED
INTO EXISTING PAVEMENT

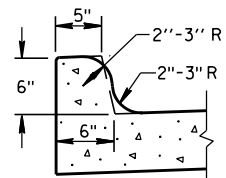
NO. 6 TIE BARS SPACED 2'-6" C-C,
INSTALLED PERPENDICULAR
TO THE LONGITUDINAL JOINT.

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

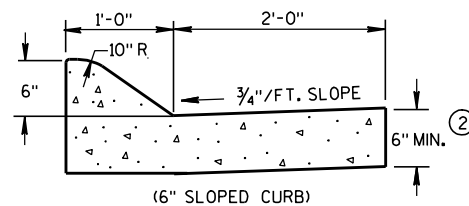
EXISTING
CONCRETE



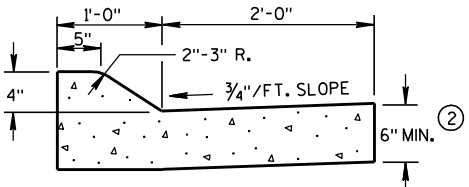
TYPES K & L ①



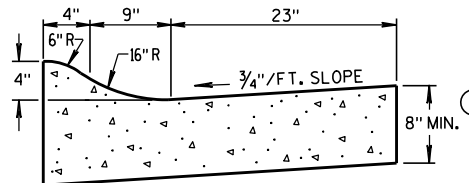
OPTIONAL CURB SHAPE
FOR TYPES K & L ①



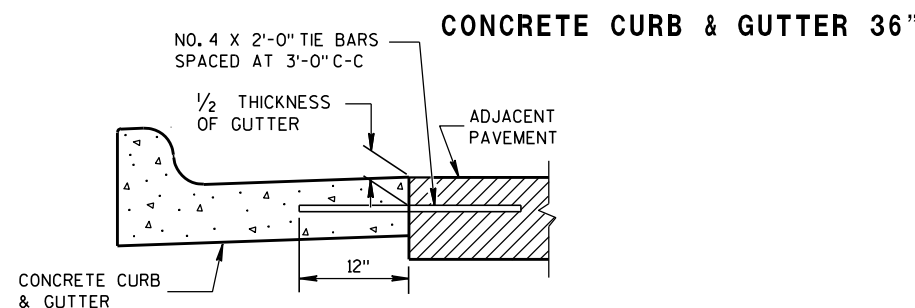
(6" SLOPED CURB)



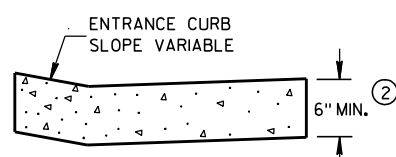
TYPES A & D ①



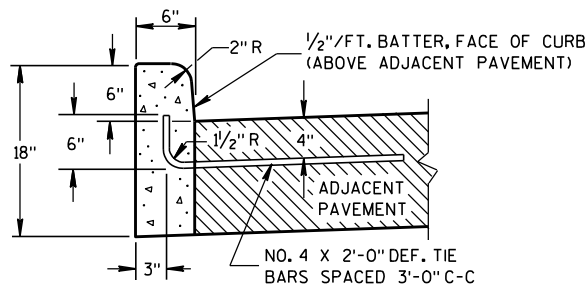
4" SLOPED CURB TYPES R & T ① ④



TYPICAL TIE BAR LOCATION ①

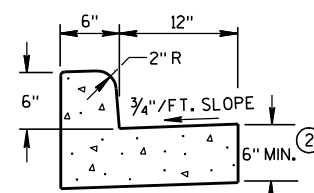


DRIVEWAY ENTRANCE CURB
(WHEN DIRECTED BY THE ENGINEER)

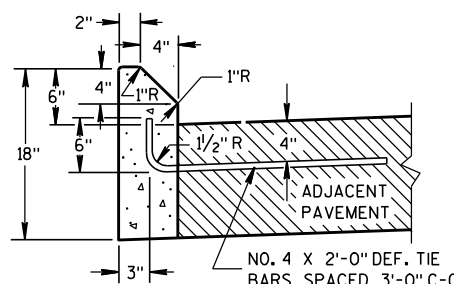


TYPES A & D ①

CONCRETE CURB



TYPES A & D
CONCRETE CURB & GUTTER 18"



TYPES G & J ①

GENERAL NOTES

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

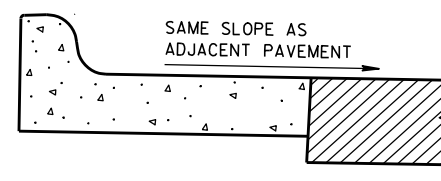
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

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

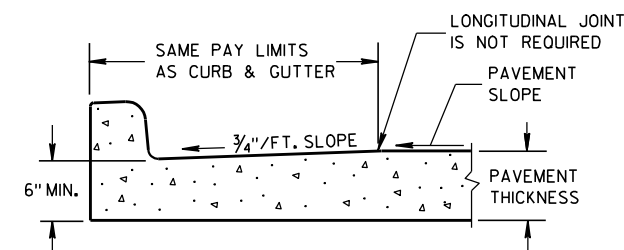
WHERE THE TRANSVERSE JOINTS IN THE PAVEMENT ARE REQUIRED TO BE SEALED, THE JOINTS IN THE INTEGRAL CURB AND GUTTER SHALL BE SEALED TO THE FACE OF CURB WITH THE SAME TYPE OF SEALANT. THE COST OF FURNISHING AND INSTALLING THIS SEALANT SHALL BE INCIDENTAL TO THE ITEM CONCRETE CURB AND GUTTER.

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

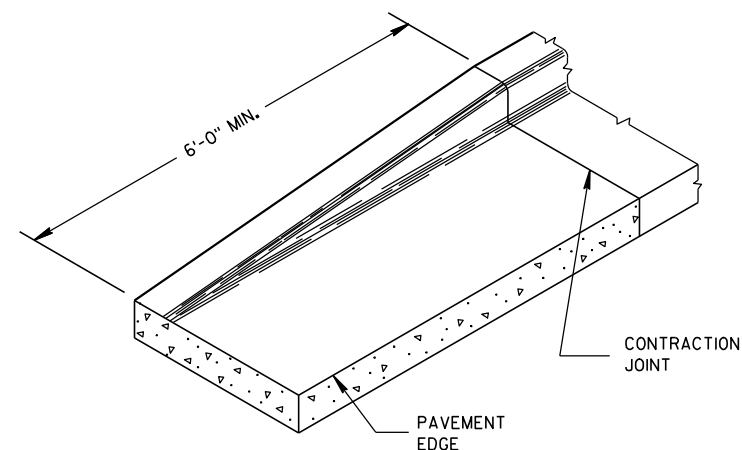
- ① TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K AND R.
- ② THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.
- ③ THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER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



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



PARTIAL SECTION OF PAVEMENT
WITH INTEGRAL CURB & GUTTER



END SECTION CURB & GUTTER

CONCRETE CURB, CONCRETE
CURB & GUTTER AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

9/4/08

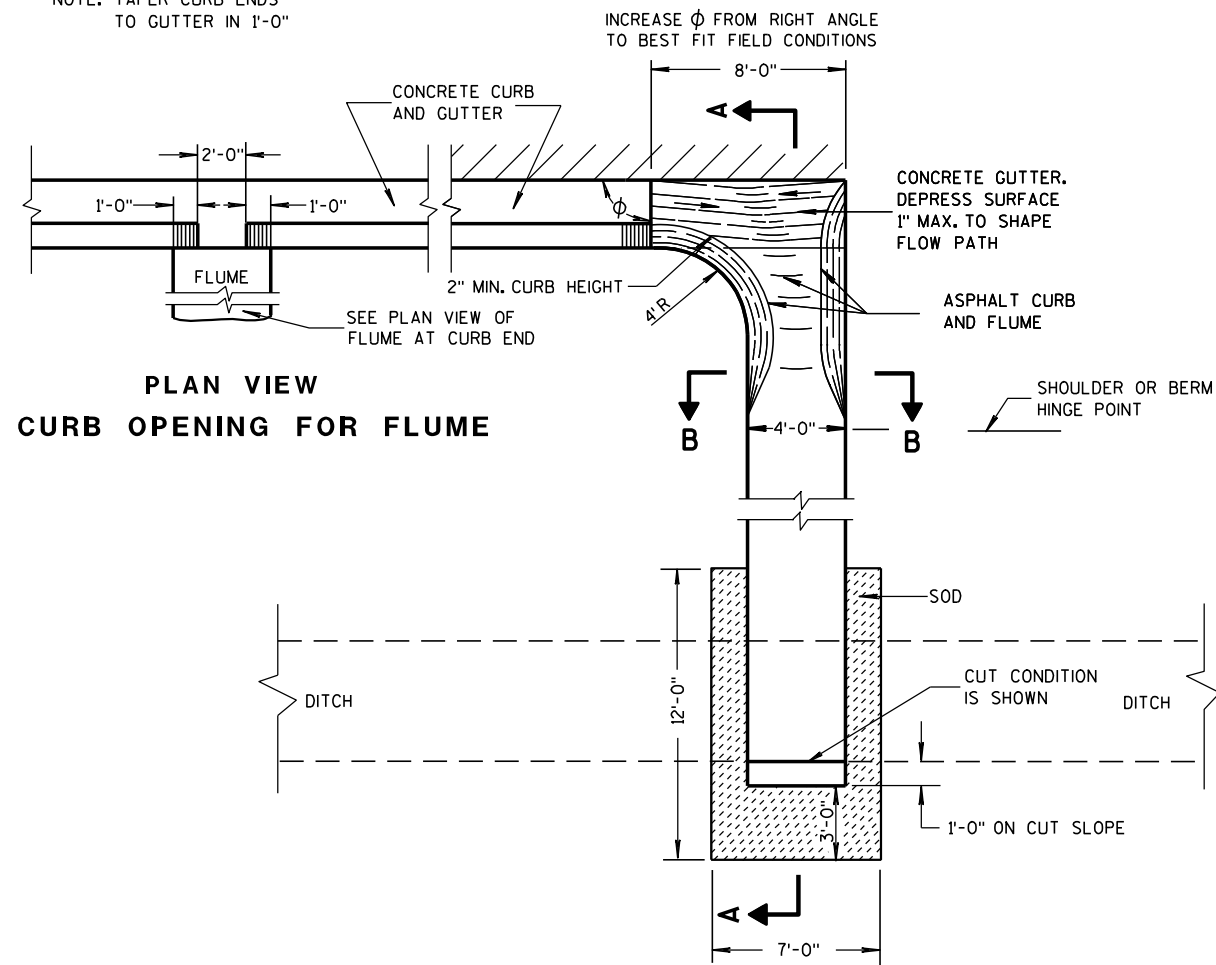
DATE

FHWA

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT
ENGINEER

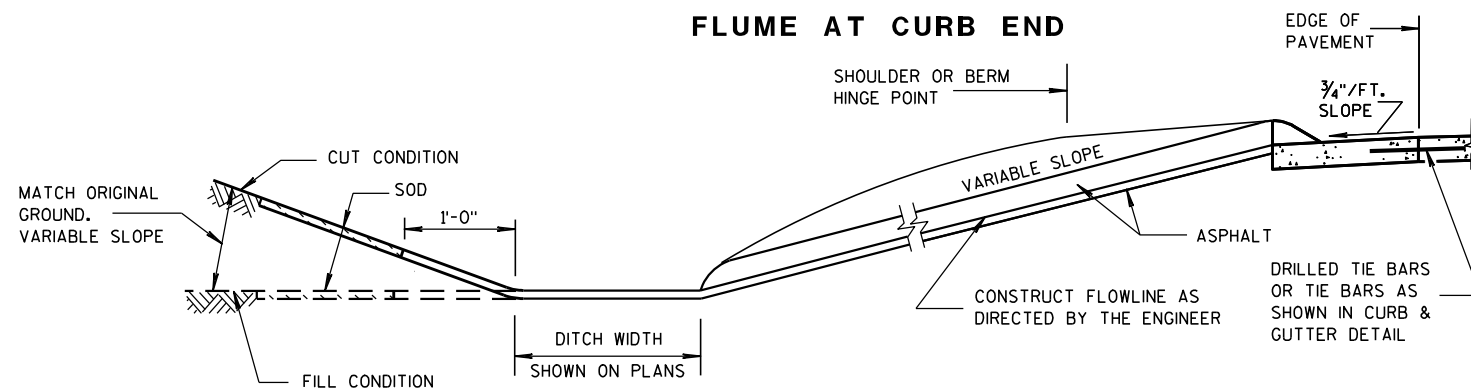
ASPHALTIC FLUME

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

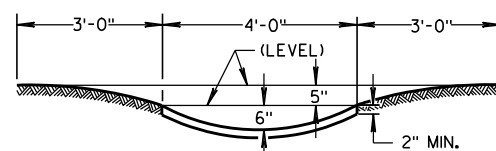


PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



SECTION A-A



SECTION B-B

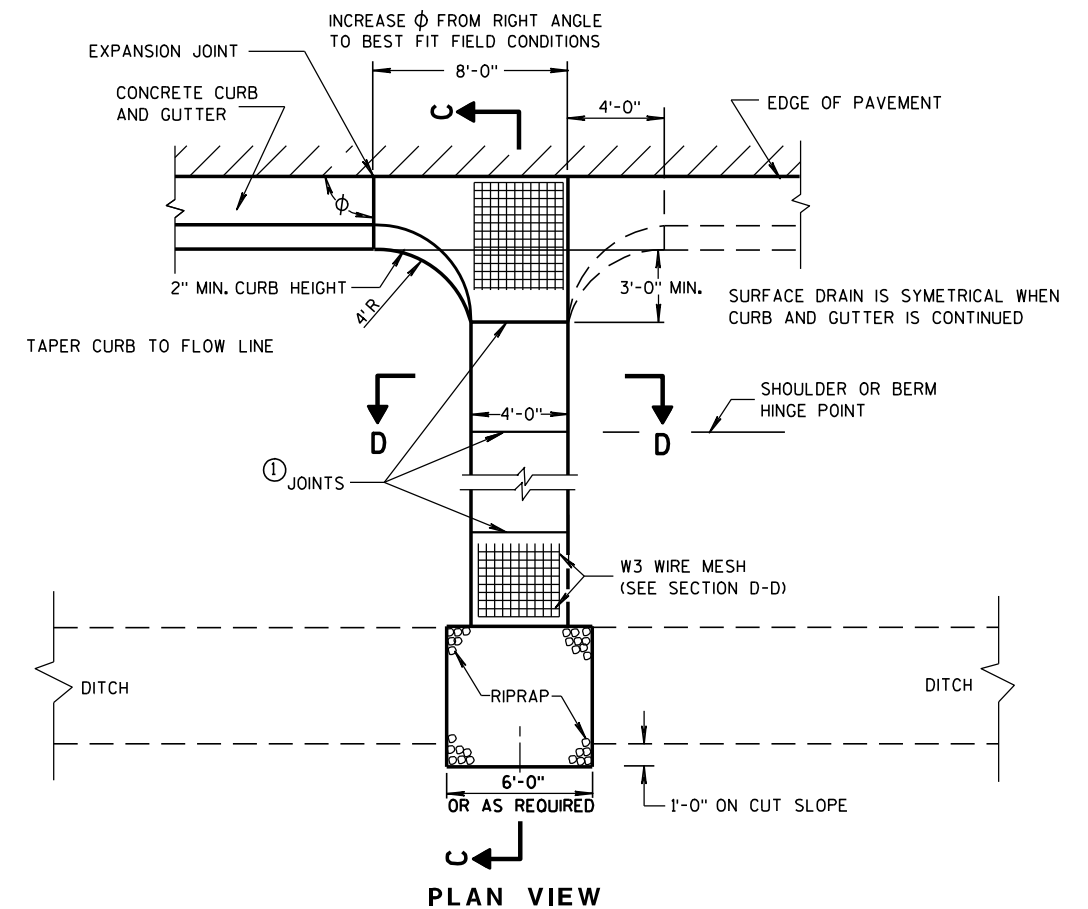
GENERAL NOTES

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

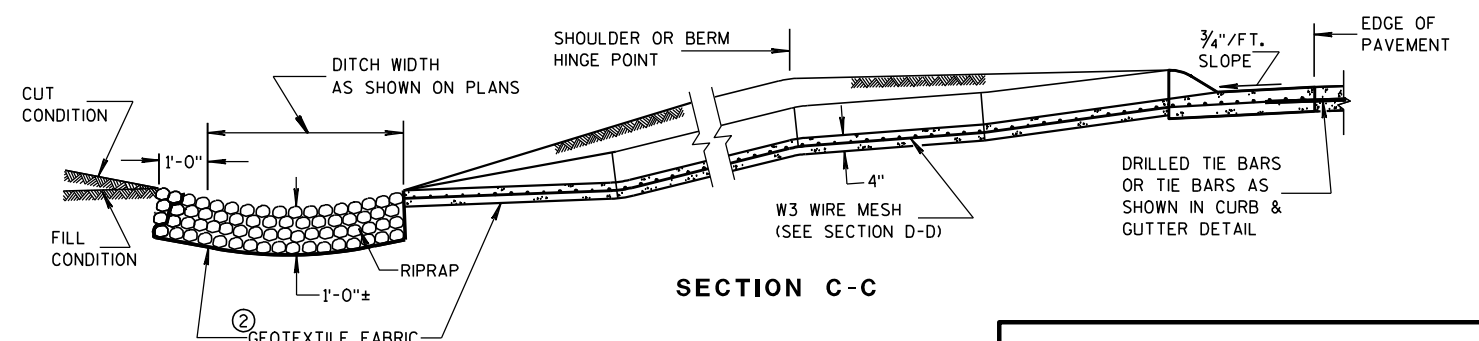
WELDED STEEL WIRE FABRIC SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

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

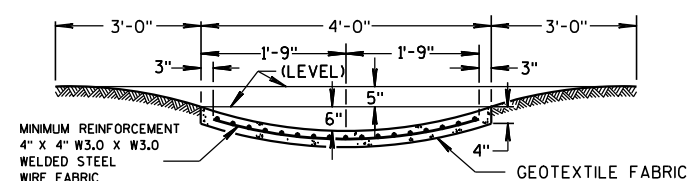
③ CONCRETE SURFACE DRAIN



PLAN VIEW



SECTION C-C



SECTION D-D

CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

9-4-08

DATE

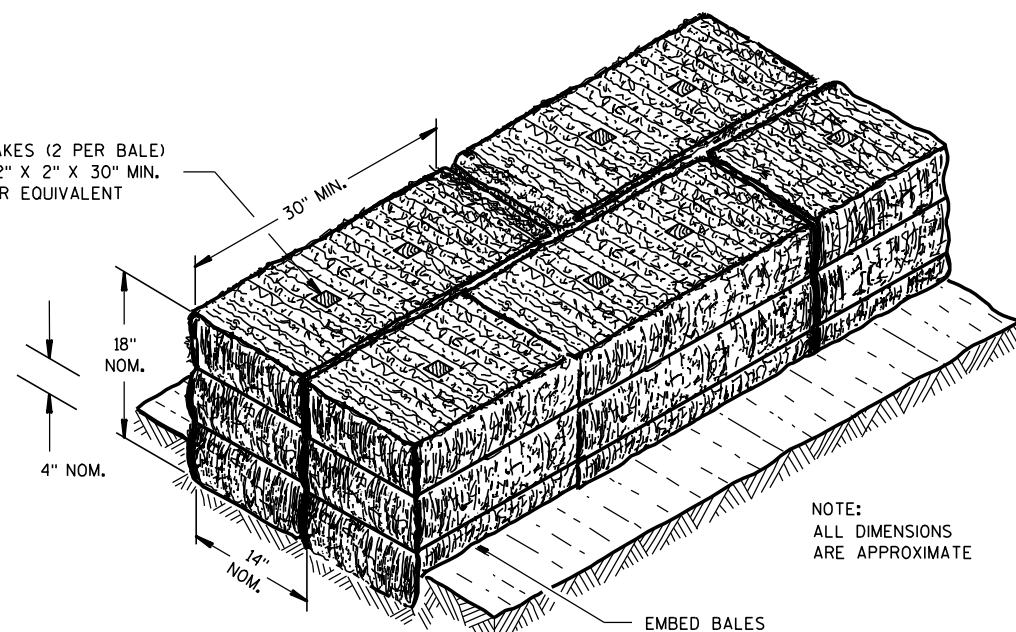
FHWA

/S/ Jerry H. Zogg

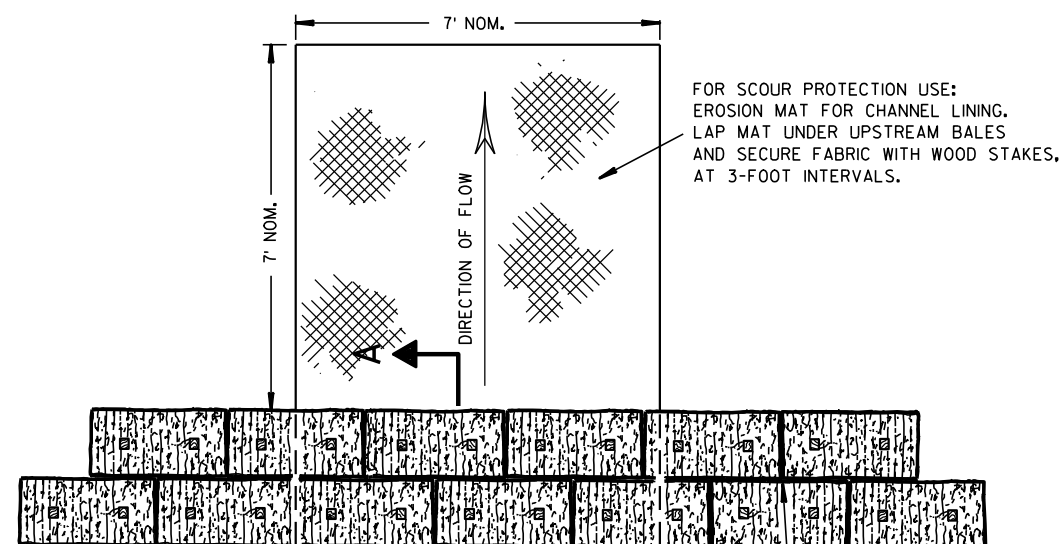
ROADWAY STANDARDS DEVELOPMENT

ENGINEER

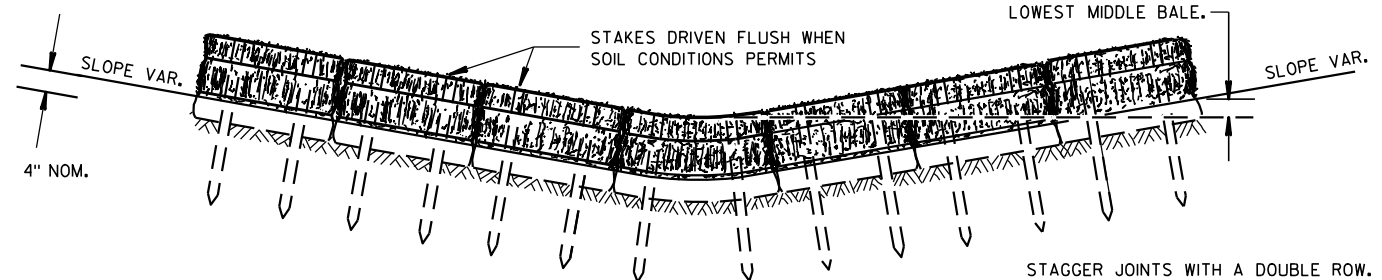
WOOD STAKES (2 PER BALE)
NOMINAL 2" X 2" X 30" MIN.
LENGTH OR EQUIVALENT



SECTION A-A



PLAN VIEW



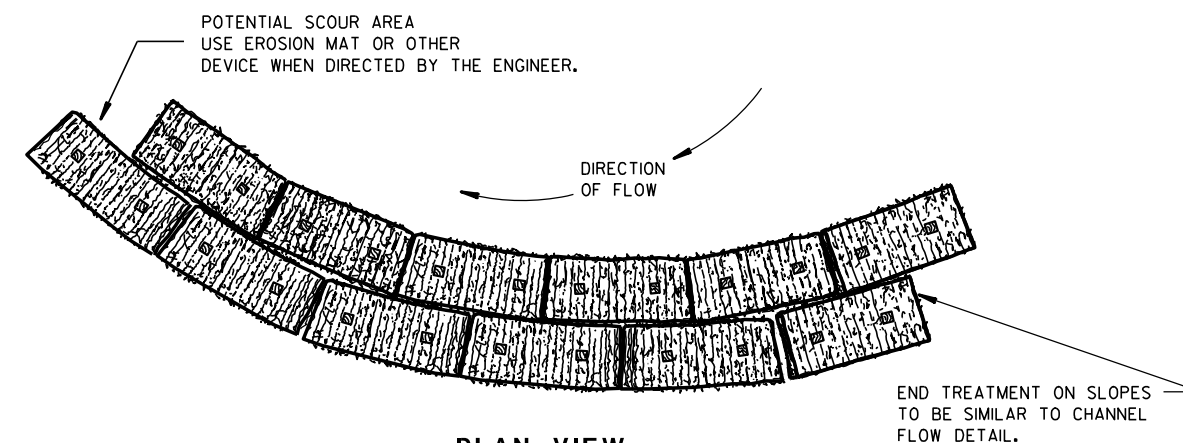
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES ①

GENERAL NOTES

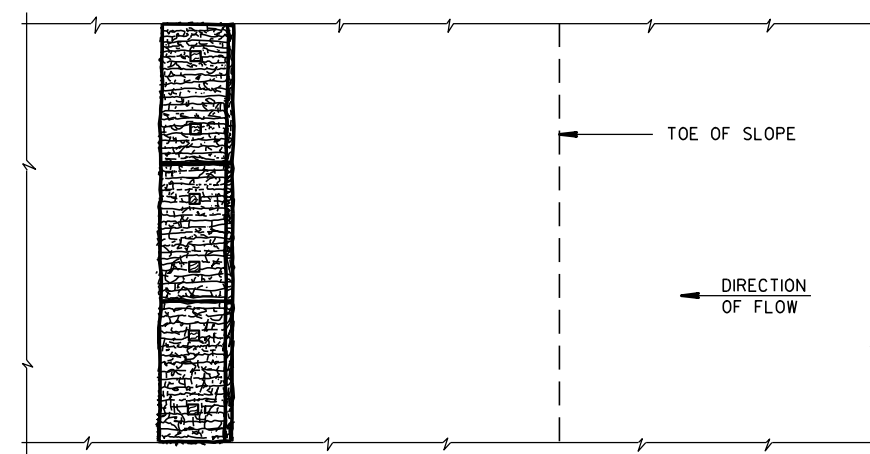
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

- 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.

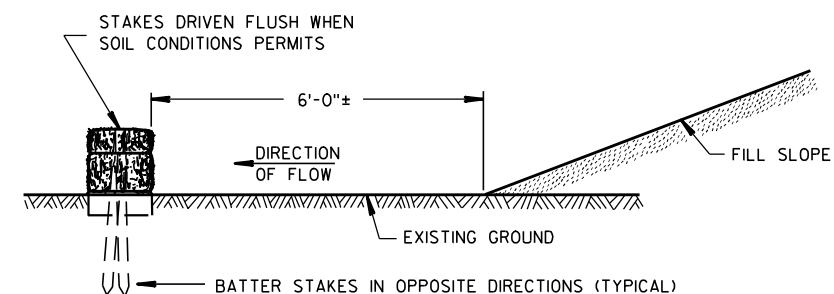


PLAN VIEW

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

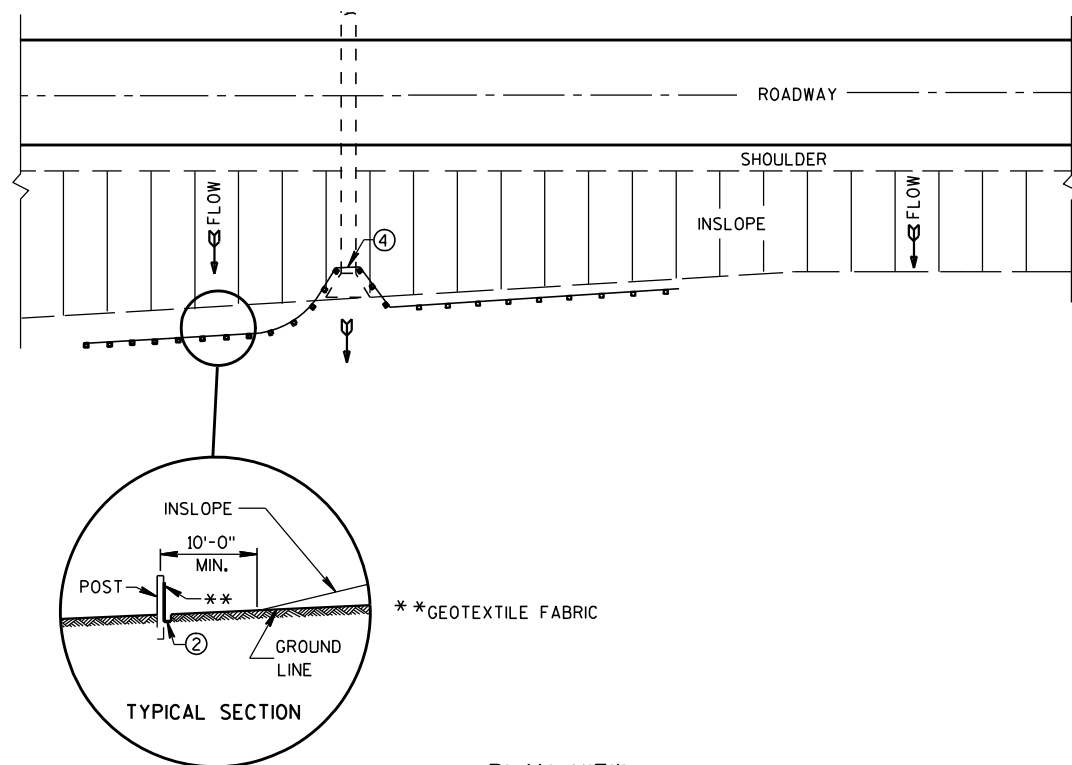
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

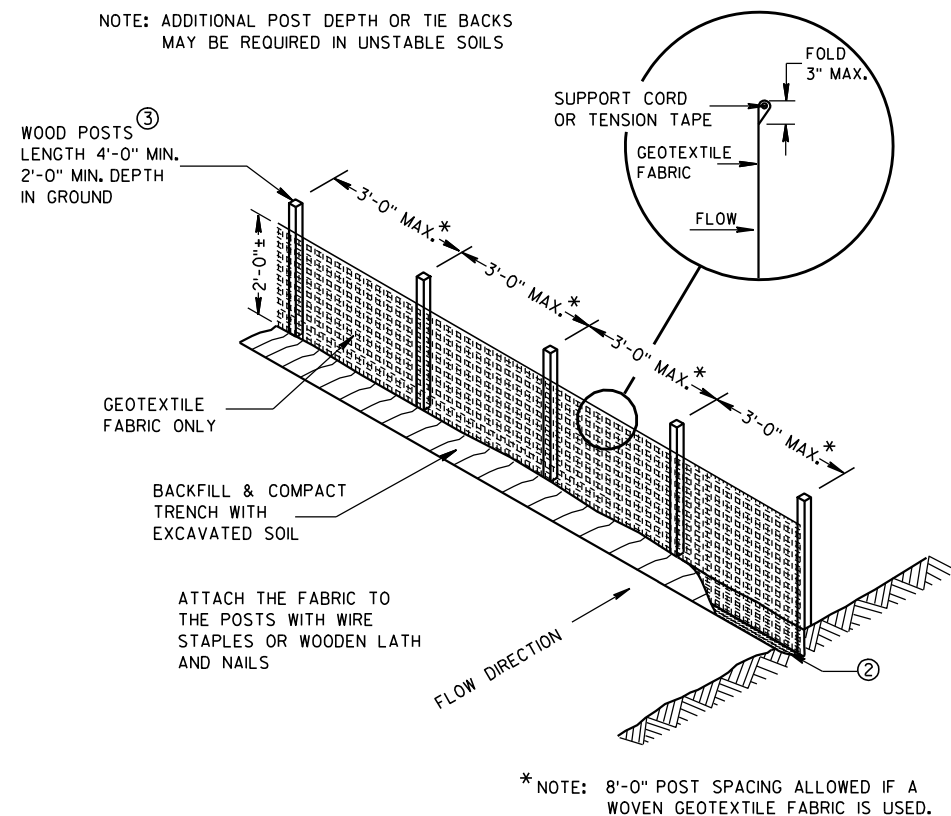
6/04/02
DATE

FHWA

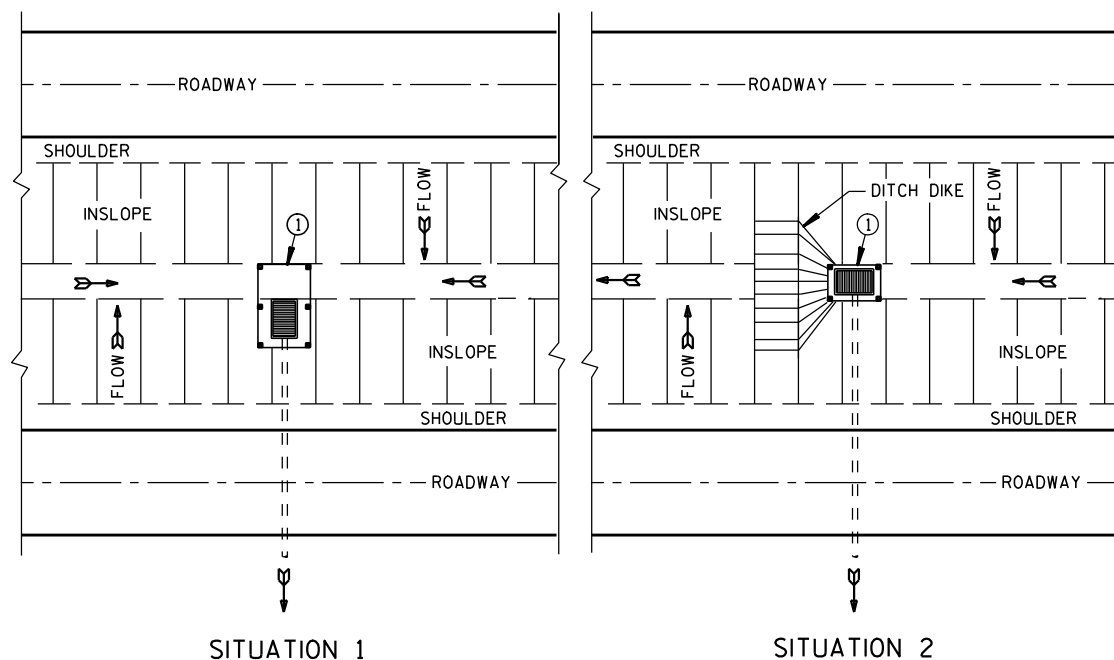
/S/ Beth Canestra
CHIEF ROADWAY DEVELOPMENT ENGINEER



TYPICAL APPLICATION OF SILT FENCE

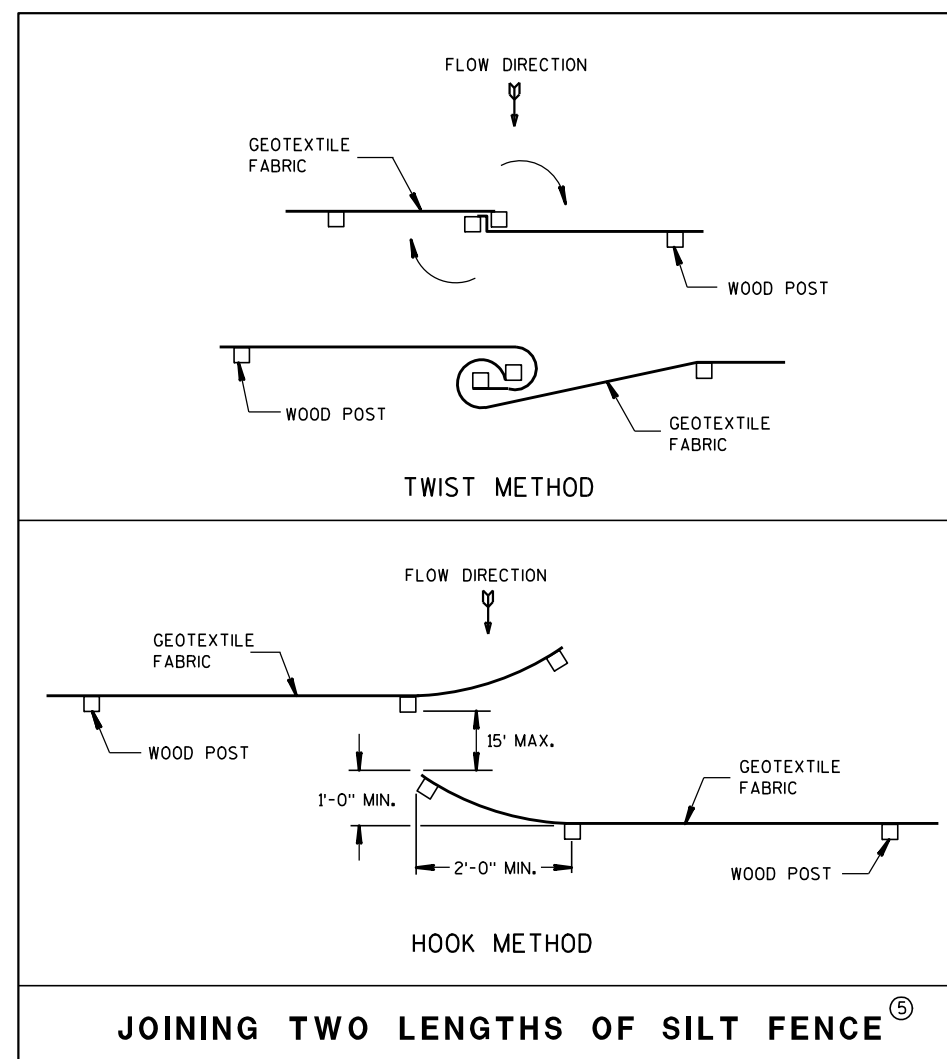


SILT FENCE



PLAN VIEW

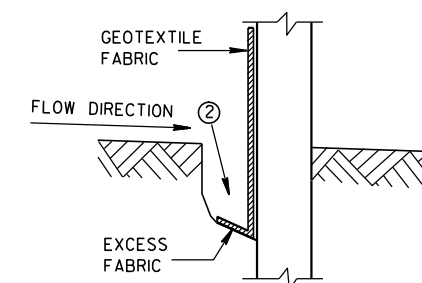
SILT FENCE AT MEDIAN SURFACE DRAINS



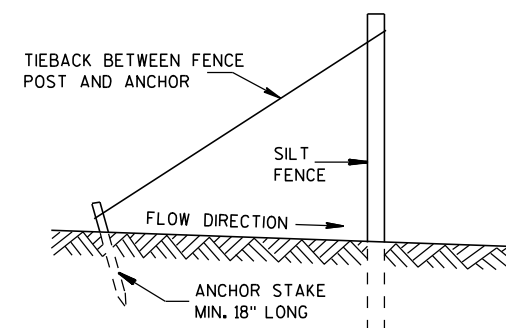
GENERAL NOTES

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 1 1/8" X 1 1/8" 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 TIE BACK
(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

4-29-05

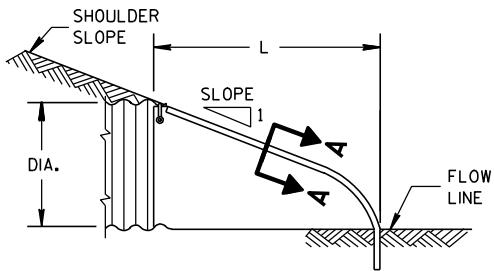
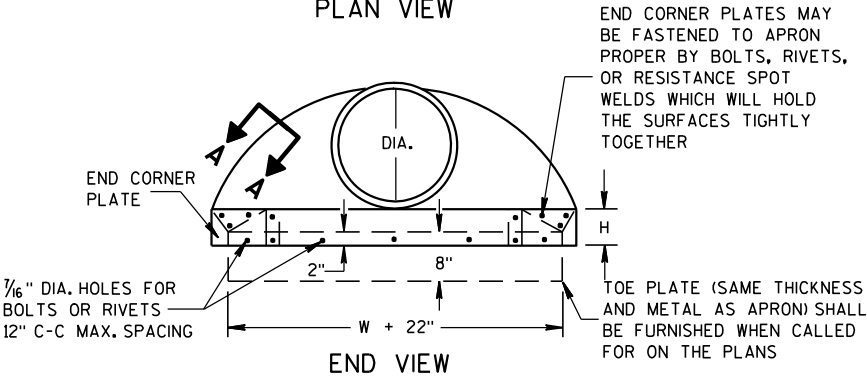
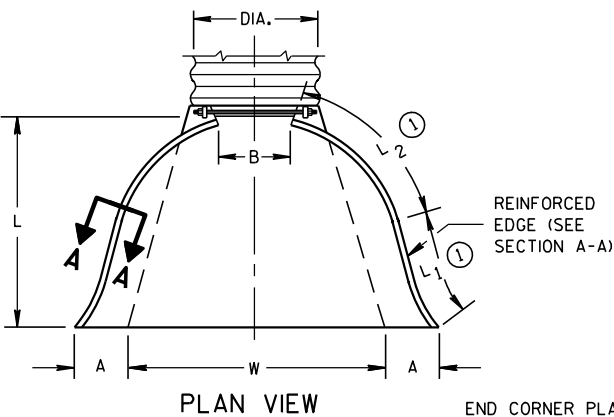
DATE

FHWA

/S/ Beth Canestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

METAL APRON ENDWALLS												
PIPE DIA. (IN.)	MIN. THICK. (Inches)		DIMENSIONS (Inches)							APPROX. SLOPE		BODY
	STEEL	ALUM.	A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")			
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1		1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1		1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1		1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1		1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1		1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1		1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1		2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1		2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1		3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1		3 Pc.
60	.109x	.105x	18	33	12	87	—	—	114	2 to 1		3 Pc.
66	.109x	.105x	18	36	12	87	—	—	120	2 to 1		3 Pc.
72	.109x	.105x	18	39	12	87	—	—	126	2 to 1		3 Pc.
78	.109x	.105x	18	42	12	87	—	—	132	1 1/2 to 1		3 Pc.
84	.109x	.105x	18	45	12	87	—	—	138	1 1/2 to 1		3 Pc.
90	.109x	.105x	18	37	12	87	—	—	144	1 1/2 to 1		3 Pc.
96	.109x	.105x	18	35	12	87	—	—	150	1 1/2 to 1		3 Pc.

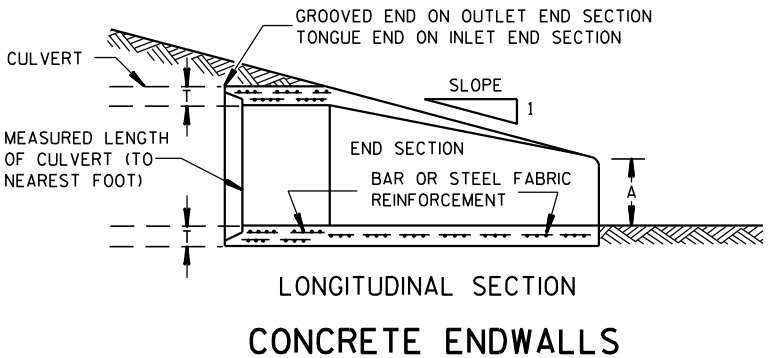
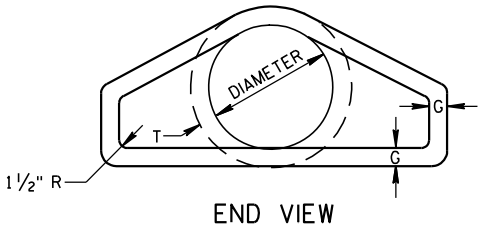
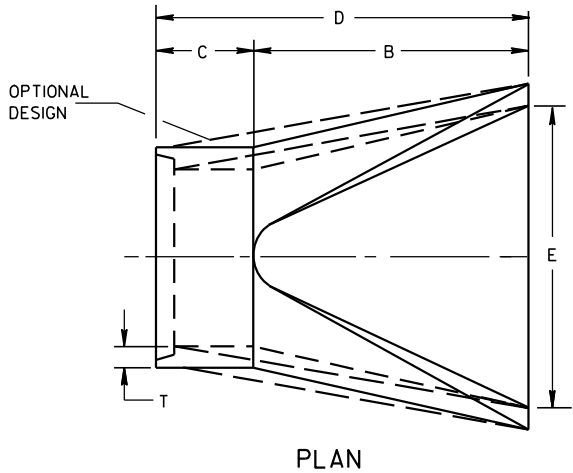
* EXCEPT CENTER PANEL
SEE GENERAL NOTES



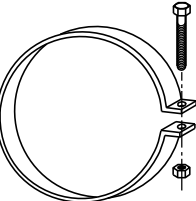
METAL ENDWALLS

REINFORCED CONCRETE APRON ENDWALLS												
PIPE DIA. (IN.)	DIMENSIONS (Inches)							APPROX. SLOPE				
	T	A	B	C	D	E	G					
12	2	4	24	48 1/8	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	98 1/4	90	5 1/2	2 1/2 to 1				
60	6	30-35	60	39	99	96	5	2 to 1				
66	6 1/2	24-30	72-78	21-27	99	102	5 1/2	2 to 1				
72	7	24-36	78	21	99	108	6	2 to 1				
78	7 1/2	24-36	78	21	99	114	6 1/2	2 to 1				
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1				
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1				

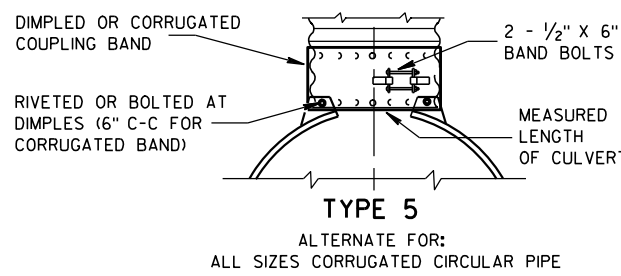
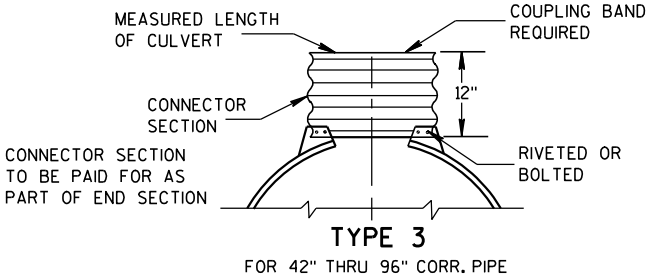
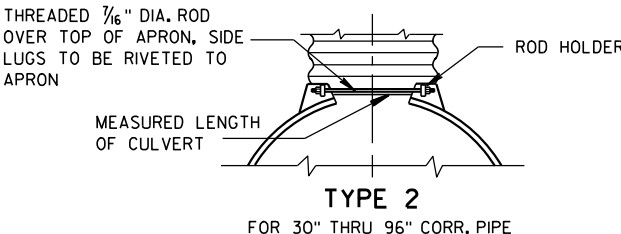
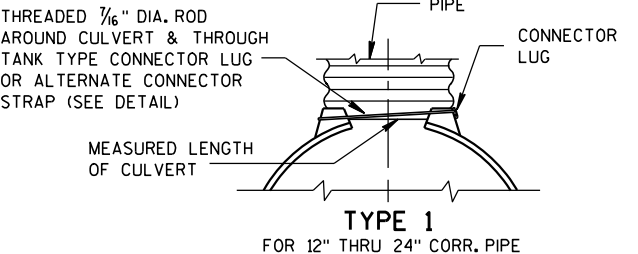
* MINIMUM
** MAXIMUM



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



ALTERNATE FOR TYPE 1 CONNECTION
END SECTION CONNECTOR STRAP



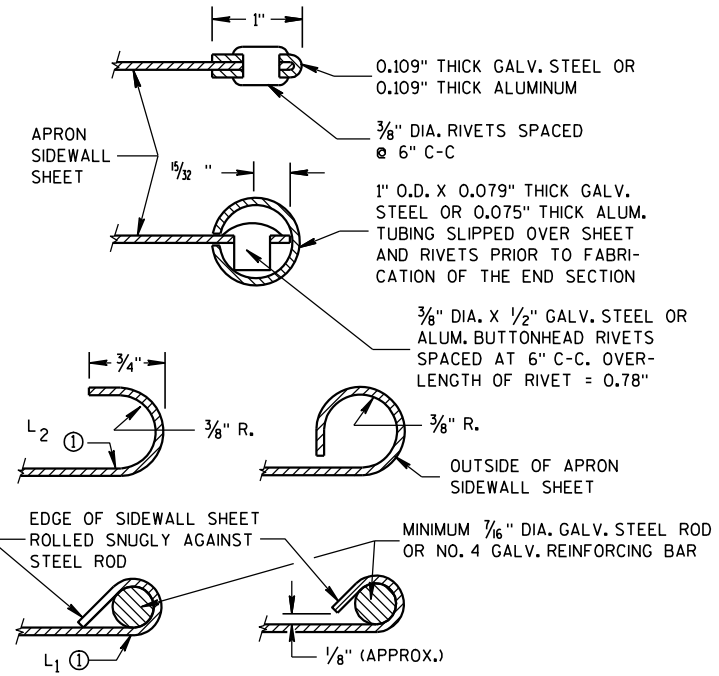
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL, AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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

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

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

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

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

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

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

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

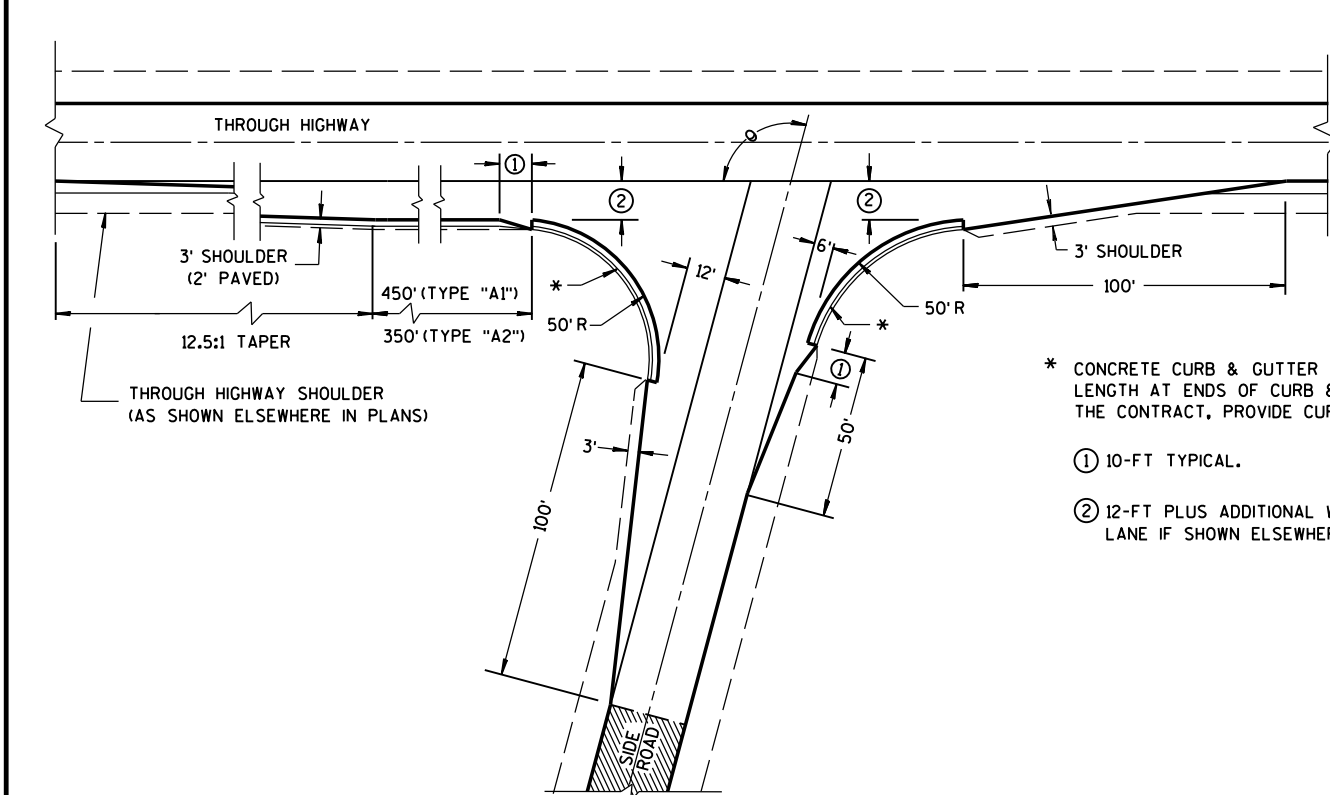
WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

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

APRON ENDWALLS FOR
CULVERT PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

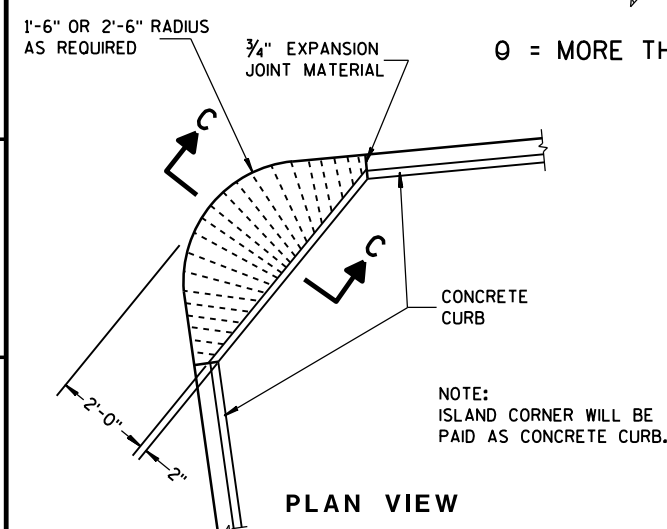
APPROVED
11/30/94
DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA



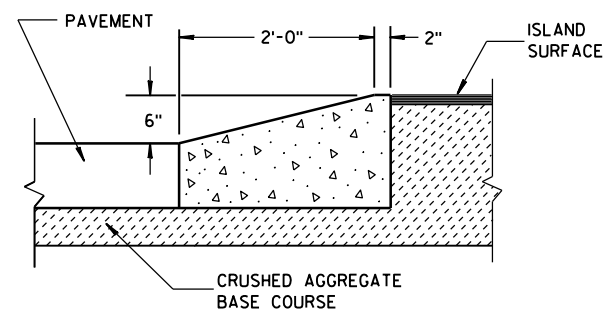
* CONCRETE CURB & GUTTER 36". TAPER CURB HEIGHT 0" TO 6" IN 10'-0" LENGTH AT ENDS OF CURB & GUTTER SECTIONS. WHEN SPECIFIED ELSEWHERE IN THE CONTRACT, PROVIDE CURB OPENING AND FLUME.

① 10-FT TYPICAL.

② 12-FT PLUS ADDITIONAL WIDTH FOR BIKE LANE IF SHOWN ELSEWHERE IN THE PLANS.



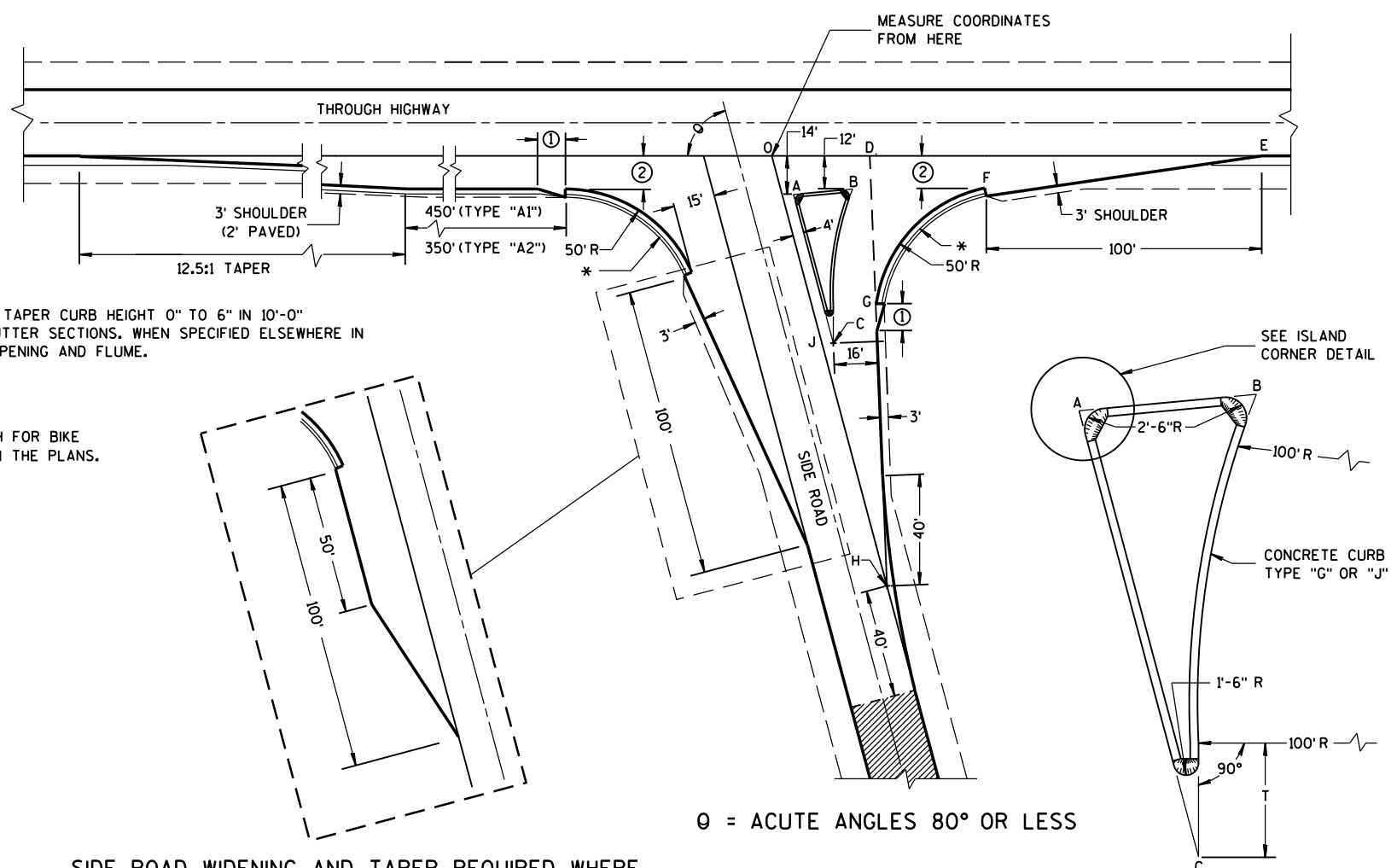
PLAN VIEW



SECTION C-C

ISLAND CORNER DETAIL

(TO BE CONSTRUCTED AT ALL ISLAND CORNERS)



θ = ACUTE ANGLES 80° OR LESS

SIDE ROAD WIDENING AND TAPER REQUIRED WHERE THE THROUGH HIGHWAY CARRIES TWO-WAY TRAFFIC
 θ = ACUTE ANGLES 70° OR LESS

TABLE OF DIMENSIONS FOR
 VARIABLE SIDE ROAD INTERSECTION ANGLES

(INTERPOLATE VALUES FOR ANGLES NOT SHOWN)

ANGLE θ DEGREES	COORDINATES IN FEET (MEASURED FROM POINT "O")								LENGTH IN FEET				
	A	B	C	D	E	F	G	H	AB	AC	T	OJ	OH
60	12.7	44.9	46.4	41.9	205.0	104.6	64.0	85.0	32.3	67.4	4.9	85.9	169.9
	-14.0	-12.0	-72.4	0.0	0.0	-12.0	-75.5	-147.1					
65	10.9	39.0	37.8	39.4	196.1	95.7	54.1	70.5	28.2	63.6	8.5	80.9	166.9
	-14.0	-12.0	-71.6	0.0	0.0	-12.0	-71.5	-151.3					
70	9.4	33.9	29.8	37.4	188.3	87.8	45.6	56.1	24.6	59.7	11.5	76.1	164.1
	-14.0	-12.0	-70.1	0.0	0.0	-12.0	-67.5	-154.2					
75	7.9	29.3	22.3	35.7	181.2	80.7	38.2	41.8	21.5	55.8	13.8	71.4	161.4
	-14.0	-12.0	-67.9	0.0	0.0	-12.0	-63.4	-155.9					
80	6.5	25.4	15.6	34.4	174.8	74.4	31.8	27.6	18.9	52.0	15.6	66.9	158.9
	-14.0	-12.0	-65.2	0.0	0.0	-12.0	-59.3	-156.5					

TYPE "A1" & "A2" SIDE ROAD INTERSECTION DETAILS

AT-GRADE SIDE ROAD
 INTERSECTION, TYPE "A1" & "A2"

STATE OF WISCONSIN
 DEPARTMENT OF TRANSPORTATION

APPROVED

12/18/12

DATE

FHWA

/S/ Jerry H. Zogg

ROADWAY STANDARDS DEVELOPMENT

ENGINEER

GENERAL NOTES

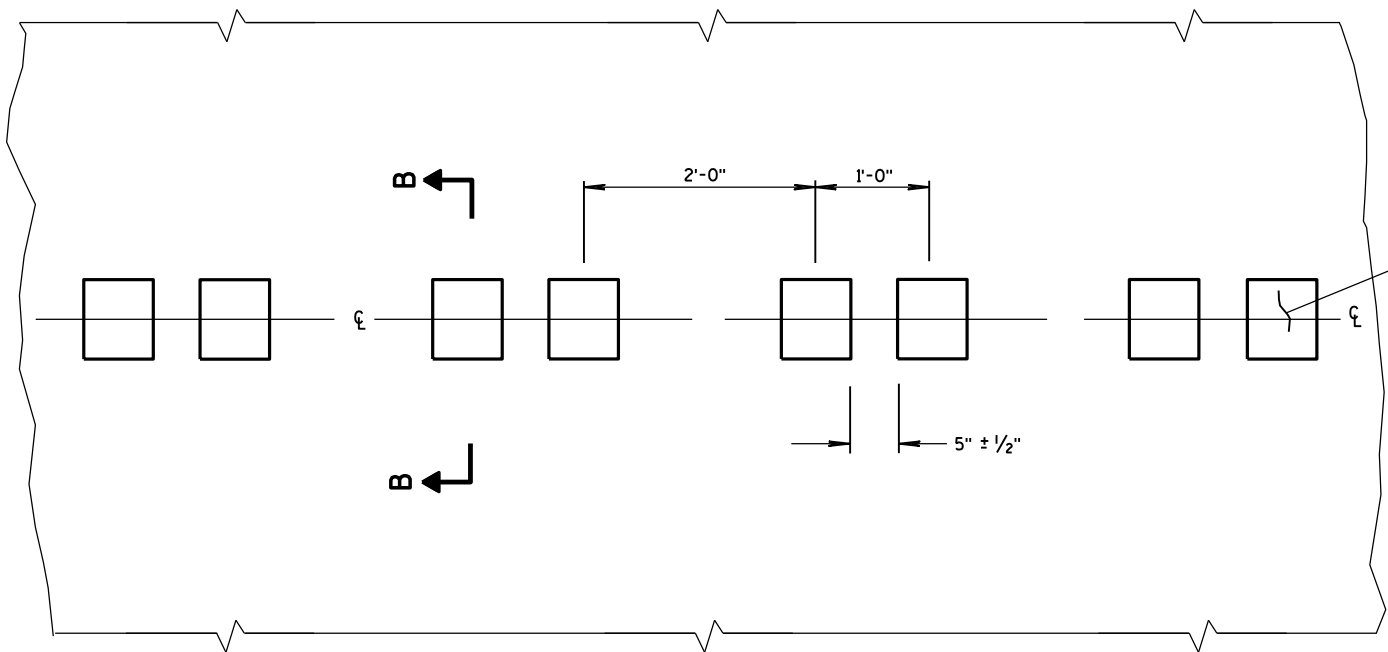
DETAILS OF CONSTRUCTION SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

DO NOT MILL CENTER LINE GROOVES THROUGH ANY INTERSECTION, MARKED CROSSWALK, NON-MOTORIZED PATH CROSSING, OR SNOWMOBILE CROSSING.

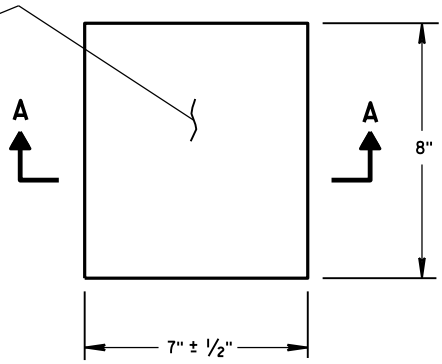
INSTALL PAVEMENT MARKING AFTER THE GROOVES ARE INSTALLED.

SEE SIGNING PLAN FOR SIGN REQUIREMENTS THAT MAY BE NEEDED.

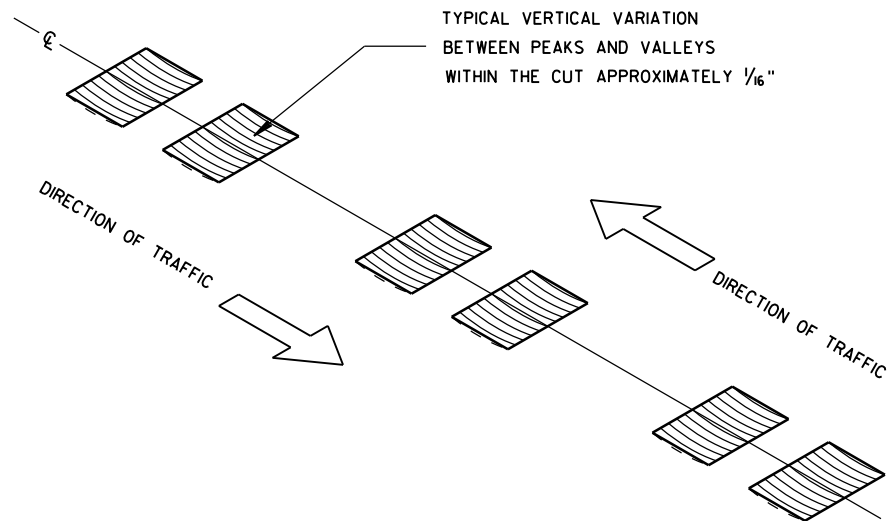
- ① CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS, WHEN DIRECTED BY THE ENGINEER.



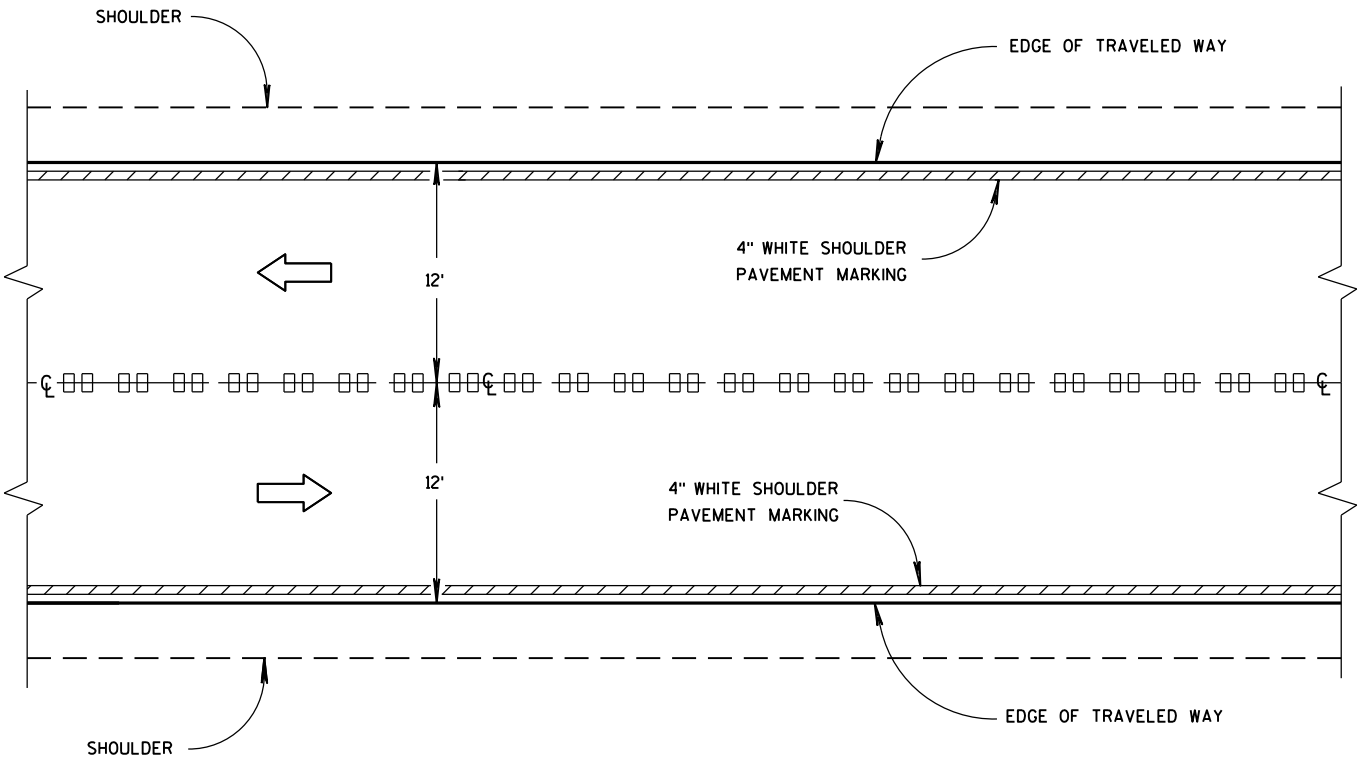
PLAN VIEW
CENTER LINE WITH GROOVES



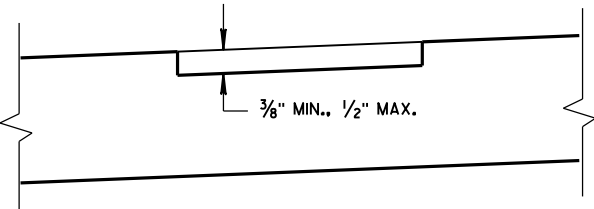
PLAN VIEW
(SINGLE GROOVE)



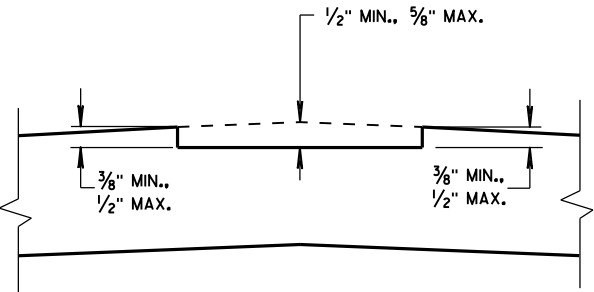
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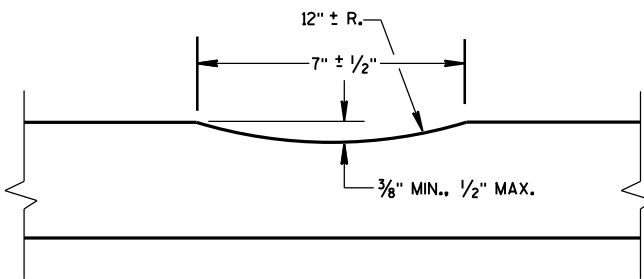
CENTER LINE GROOVES ON TWO-WAY ROADWAYS



SECTION B-B
SUPERELEVATED ROADWAY



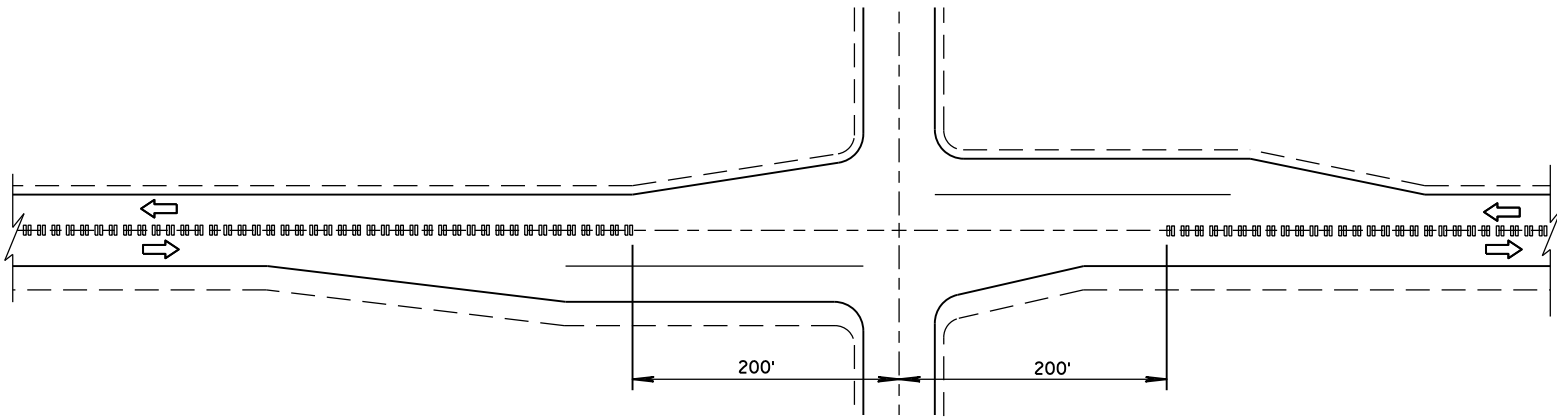
SECTION B-B
CROWNED ROADWAY



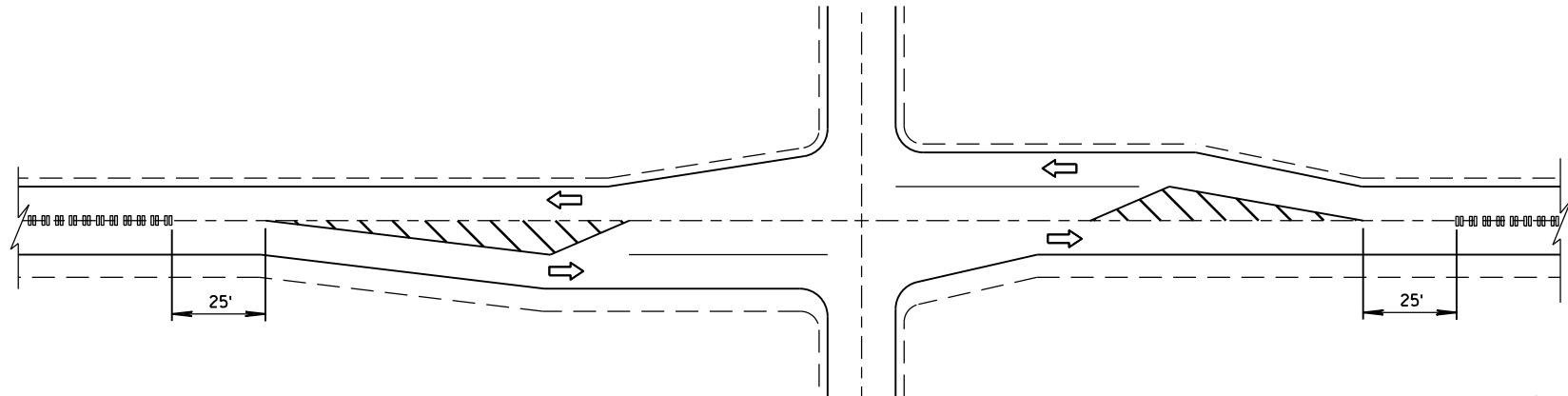
SECTION A-A

2-LANE RURAL
CENTER LINE RUMBLE STRIP,
MILLING

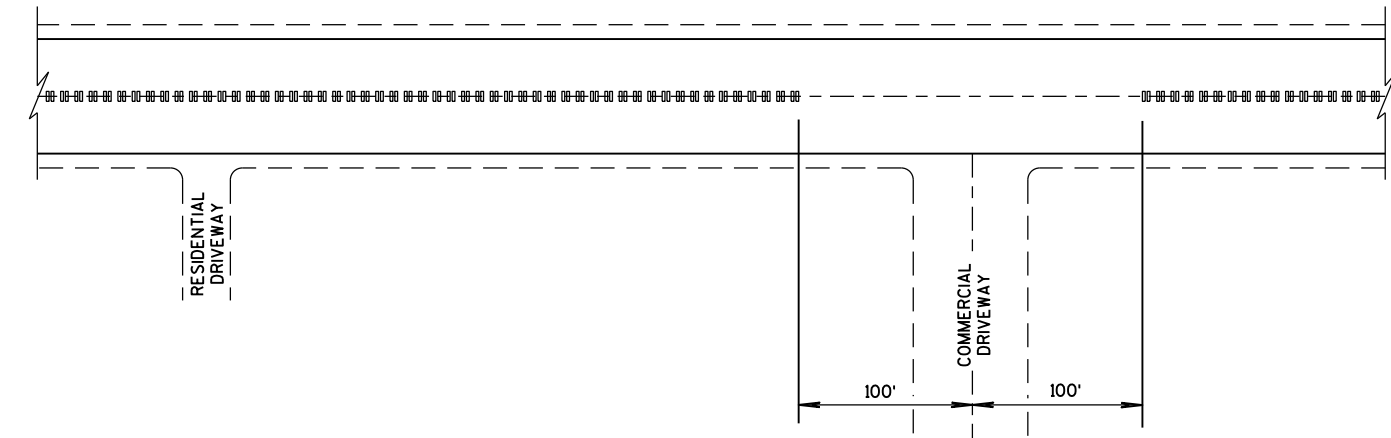
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



CENTER LINE GROOVES AT INTERSECTIONS

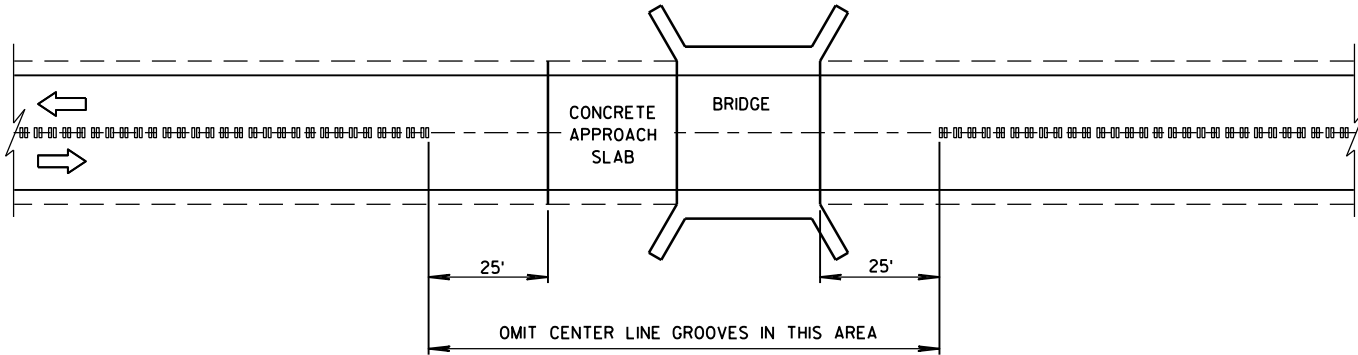


CENTER LINE GROOVES AT INTERSECTIONS
(WITH LEFT TURN LANES)

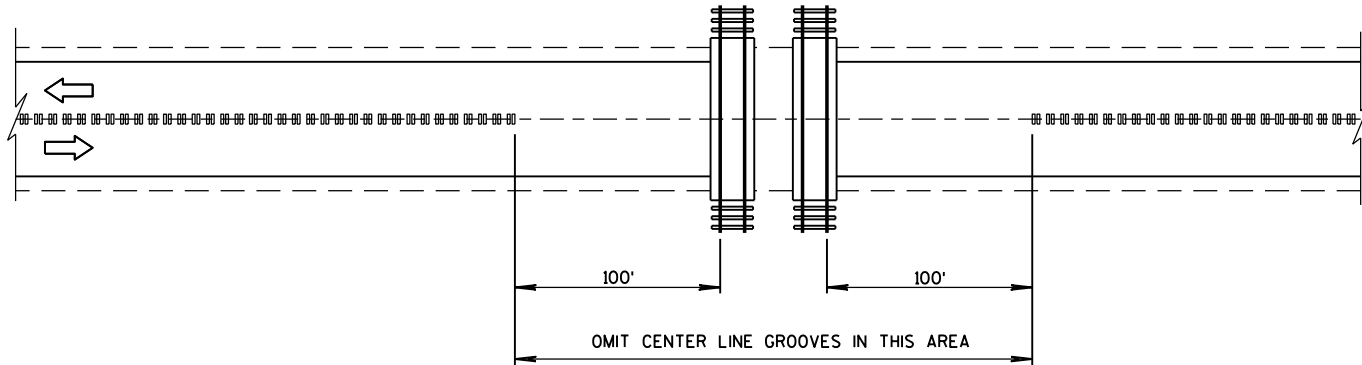


CENTER LINE GROOVES AT DRIVEWAYS^①

① CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS, WHEN DIRECTED BY THE ENGINEER.

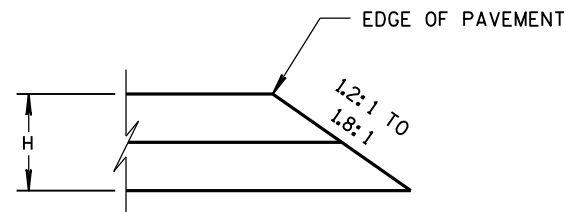


CENTER LINE GROOVES AT BRIDGES

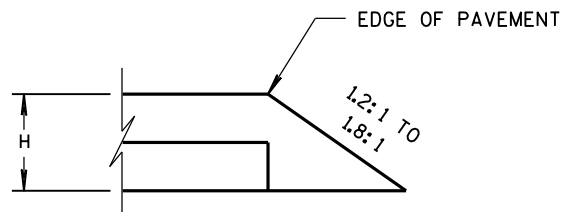


CENTER LINE GROOVES AT RAILROADS

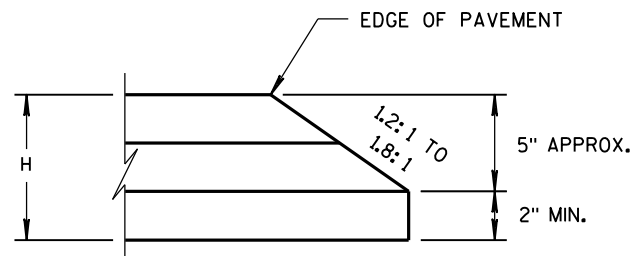
2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 5/15/2013 DATE	/S/ Jerry H. Zogg ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA	



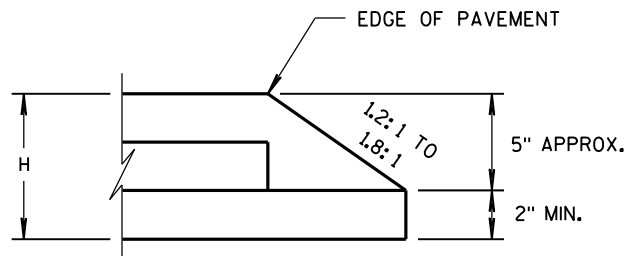
CONSTRUCTED WITH FINAL TWO LAYERS
FOR H 5" OR LESS



CONSTRUCTED WITH FINAL LAYER
FOR H 5" OR LESS

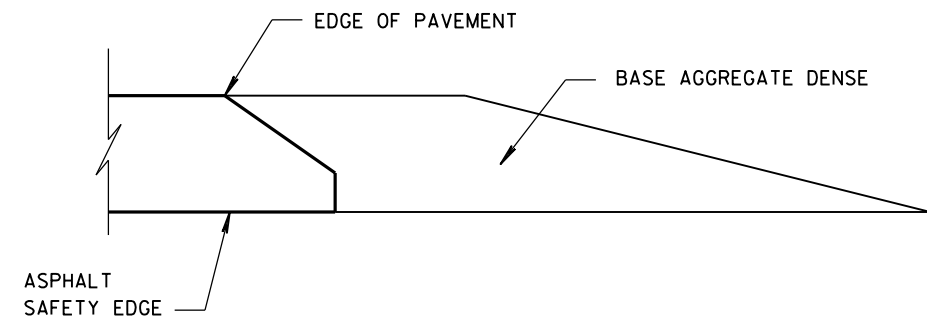


CONSTRUCTED WITH FINAL TWO LAYERS
FOR H GREATER THAN 5"



CONSTRUCTED WITH FINAL LAYER
FOR H GREATER THAN 5"

HMA PAVEMENT AND HMA OVERLAYS



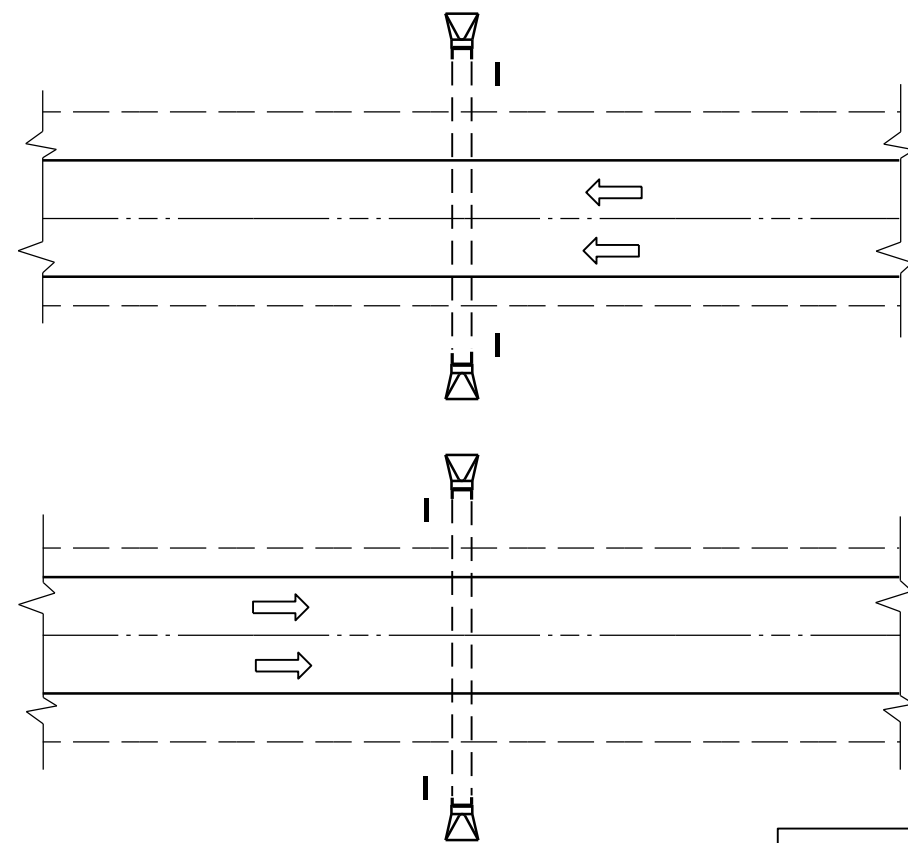
FINISHED SHOULDER AGGREGATE PLACEMENT

SAFETY EDGE_{SM}

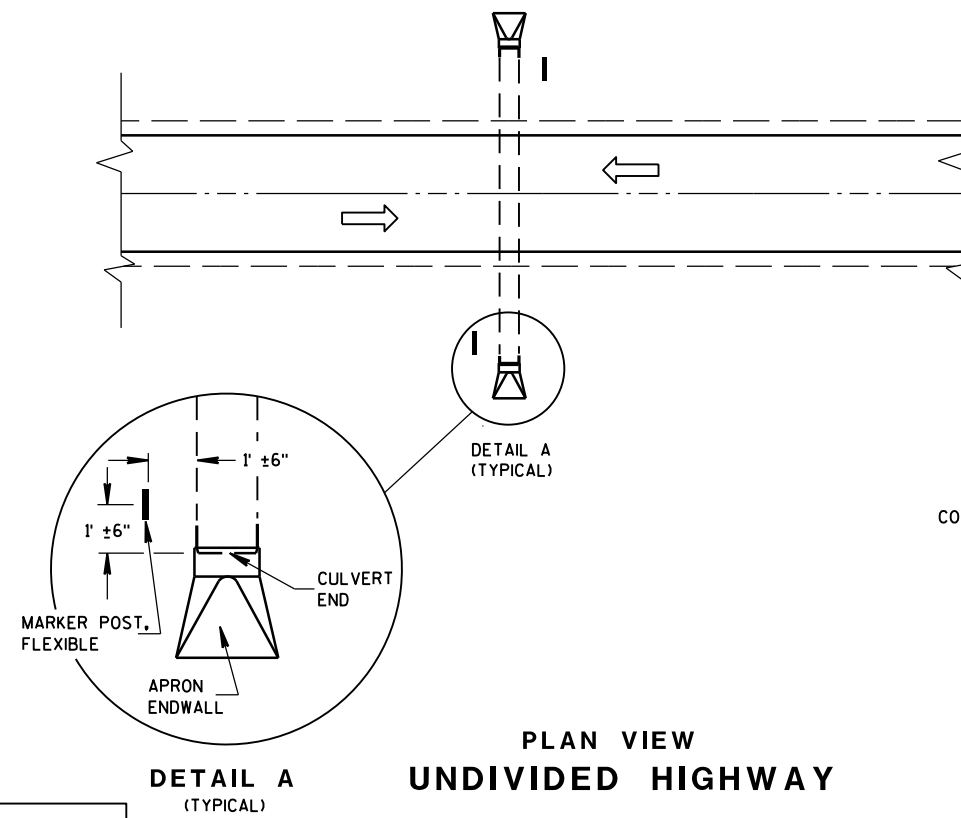
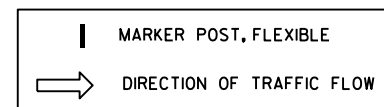
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/2012
DATE
FHWA

/s/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT
ENGINEER



PLAN VIEW
DIVIDED HIGHWAY



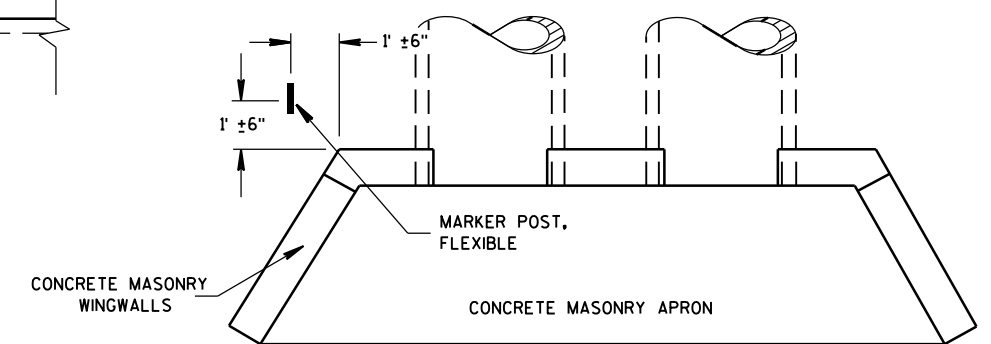
DETAIL A
(TYPICAL)

PLAN VIEW
UNDIVIDED HIGHWAY

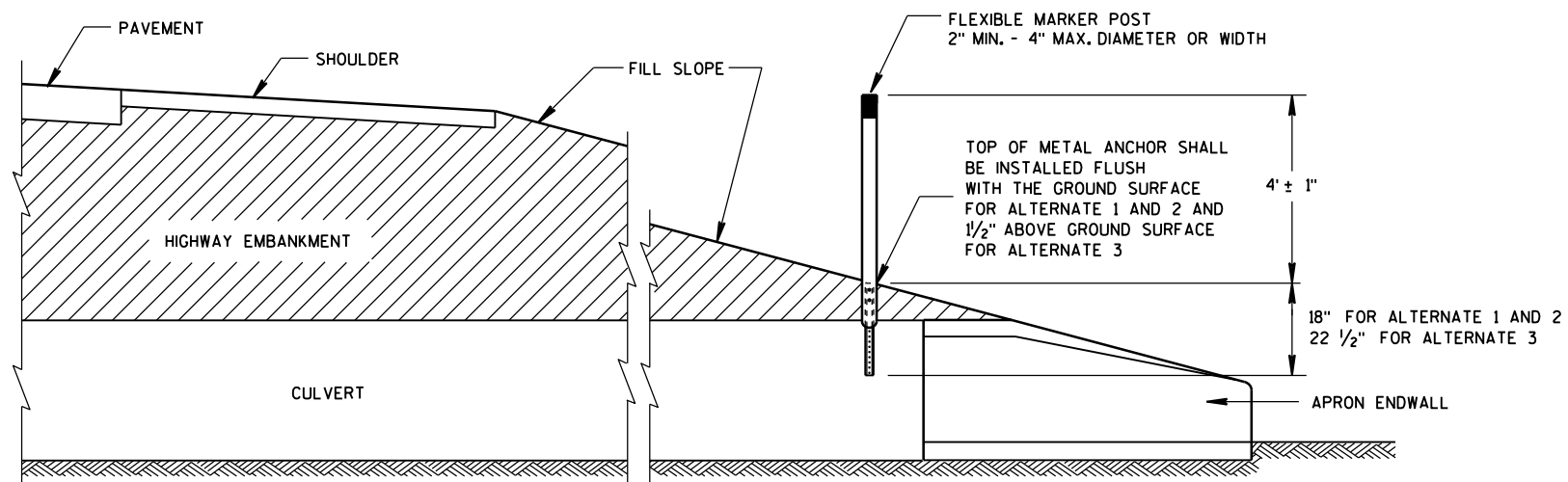
FLEXIBLE MARKER POST LOCATION

GENERAL NOTES

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



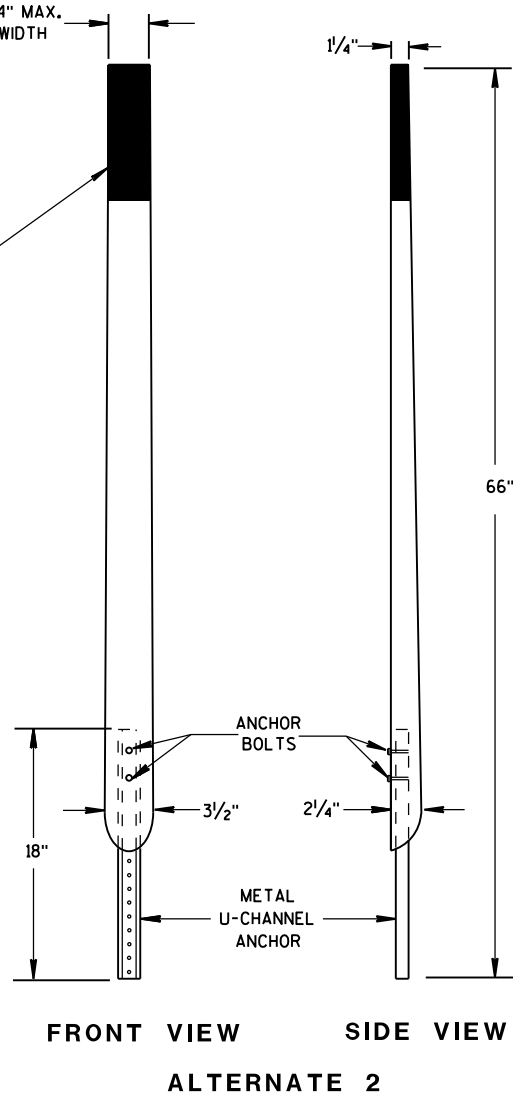
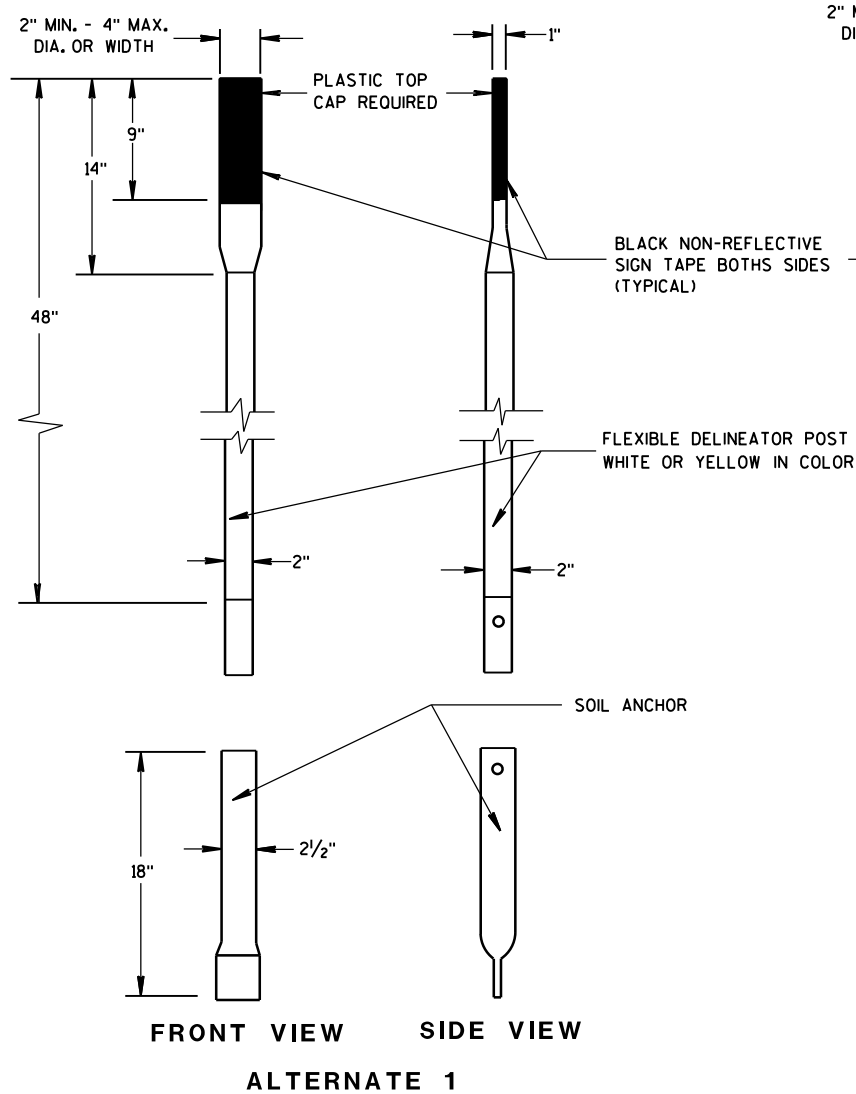
PLAN VIEW
CONCRETE MASONRY ENDWALLS FOR
CULVERT PIPE AND PIPE ARCH



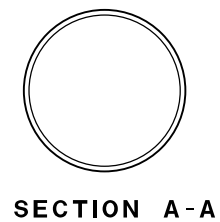
CROSS SECTION
FLEXIBLE MARKER POST

FLEXIBLE MARKER POST
FOR CULVERT END

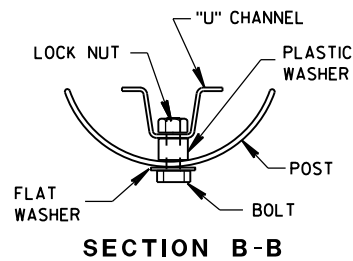
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



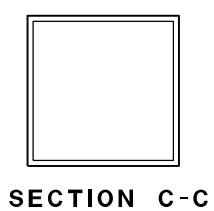
FLEXIBLE MARKER POSTS



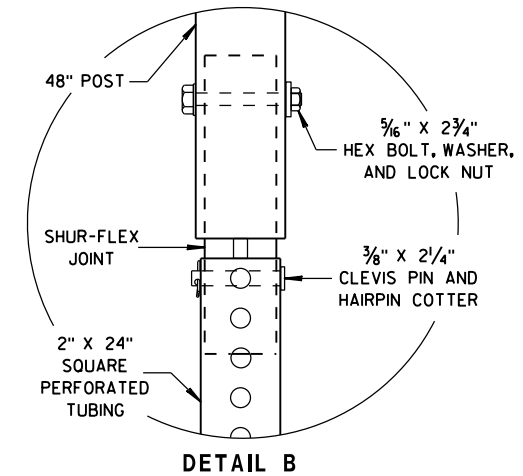
SECTION A-A



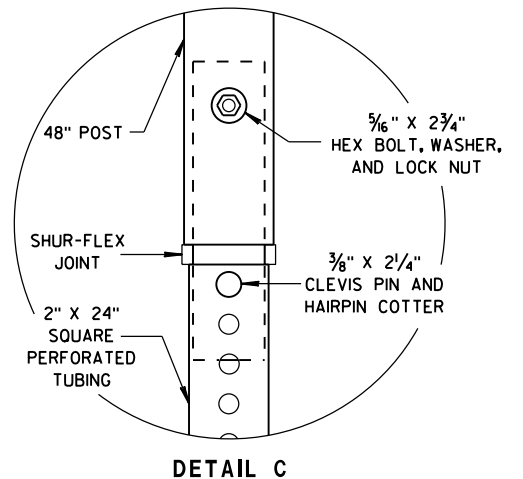
SECTION B-B



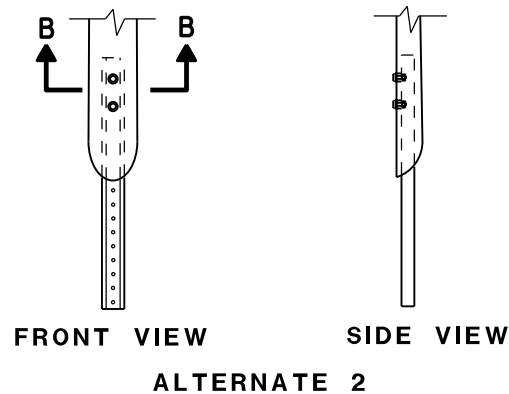
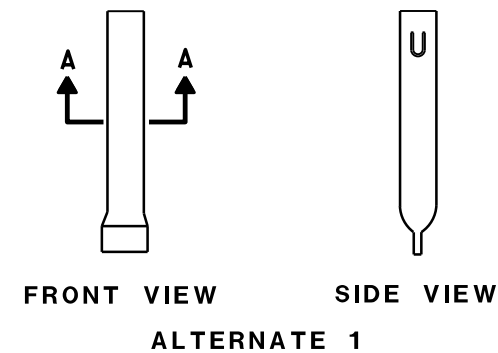
SECTION C-C



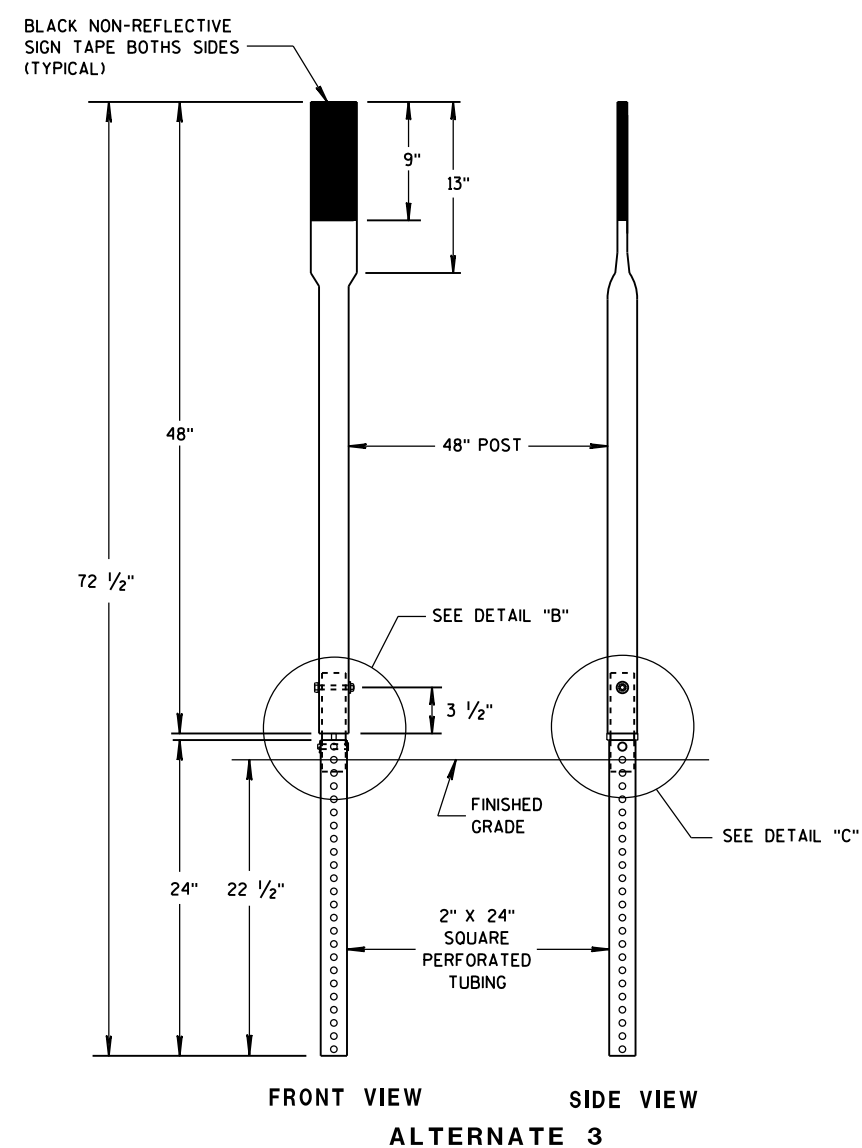
DETAIL B



DETAIL C

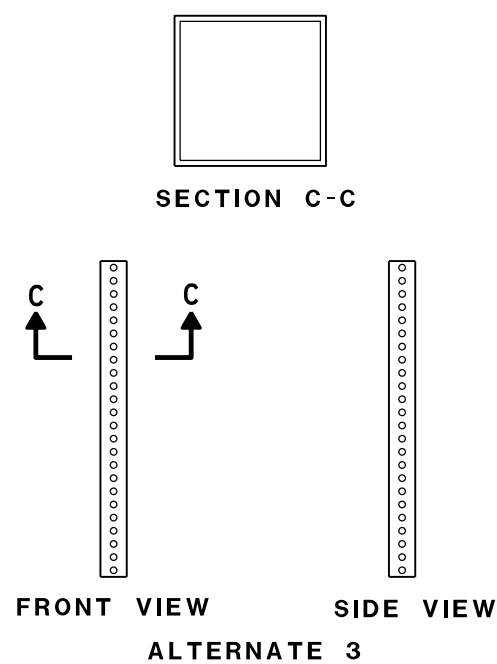


FLEXIBLE MARKER POST ANCHORS



FRONT VIEW SIDE VIEW

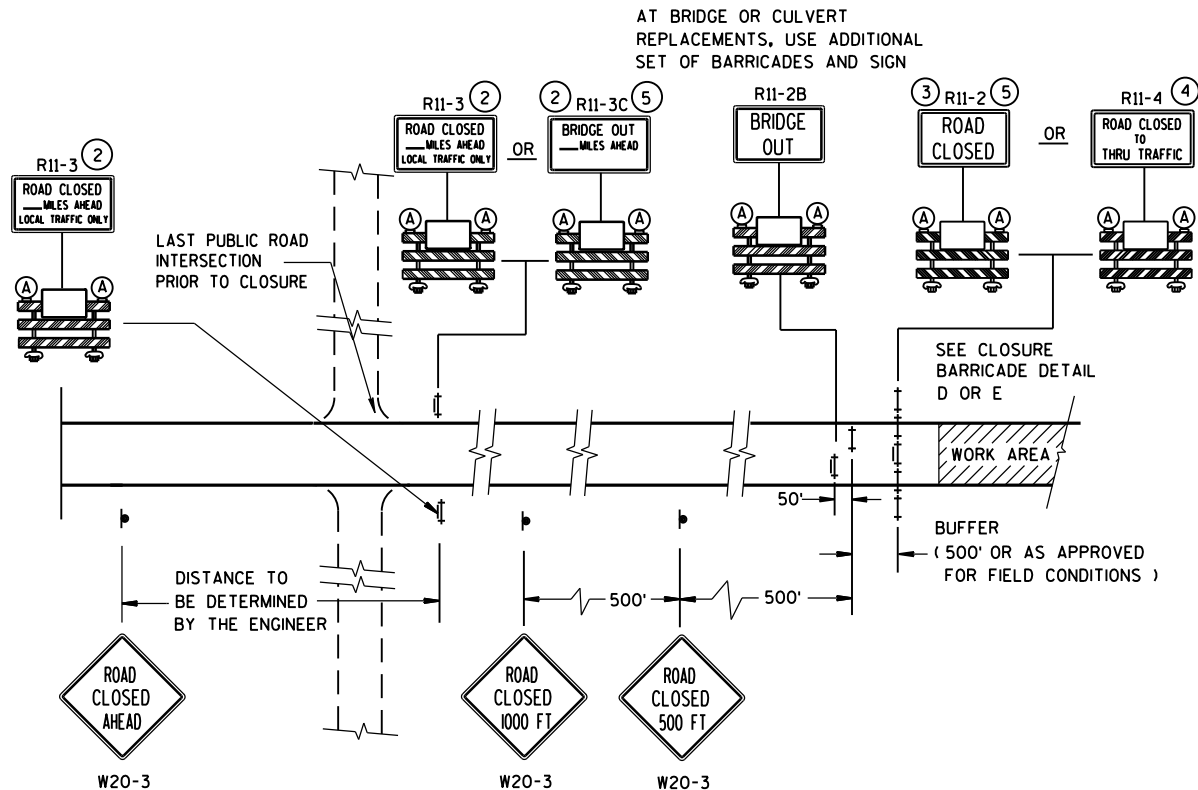
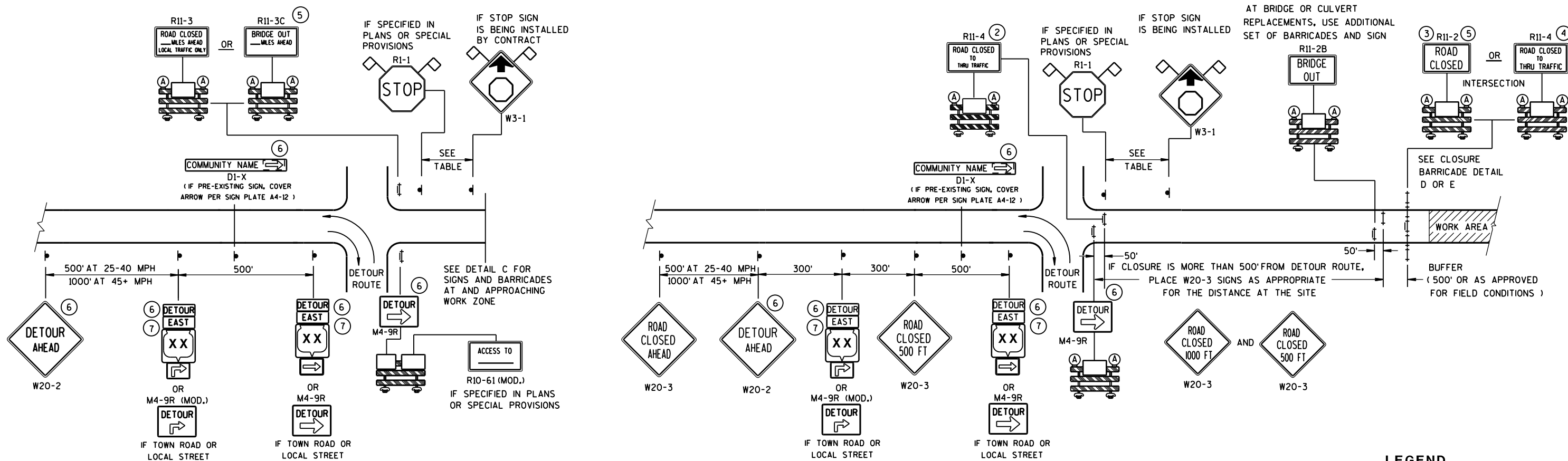
ALTERNATE 3



FRONT VIEW SIDE VIEW

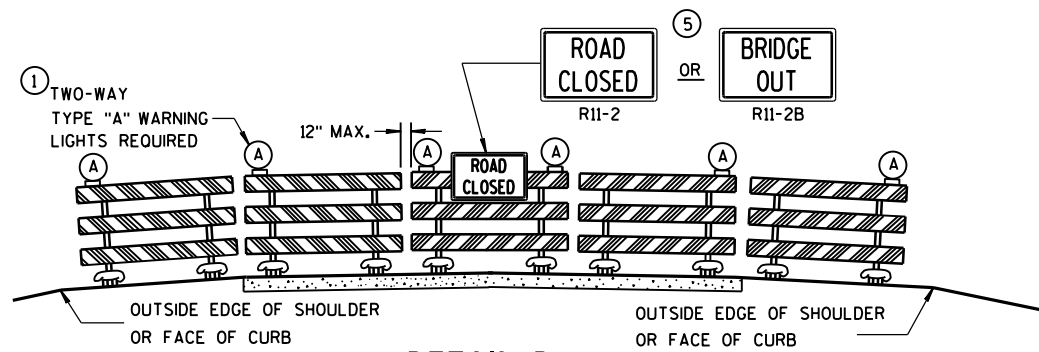
ALTERNATE 3

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

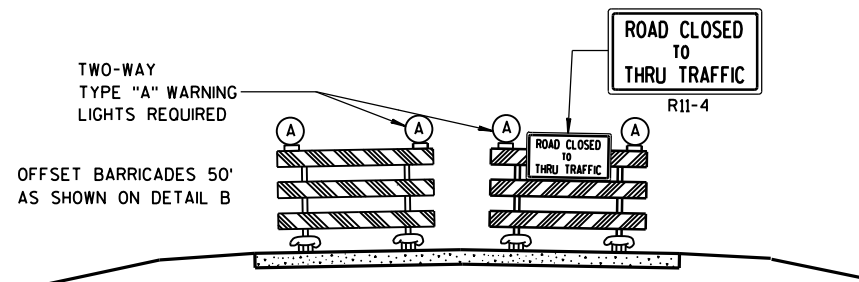


SEE SDD 15C2-SHEET "b"
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦

BARRICADES AND SIGNS FOR MAINLINE CLOSURES	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
8/2013 DATE	/S/ Travis Feltes STATE TRAFFIC ENGINEER OF DESIGN
FHWA	



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2-SHEET "a" 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.

"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 SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.)

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.

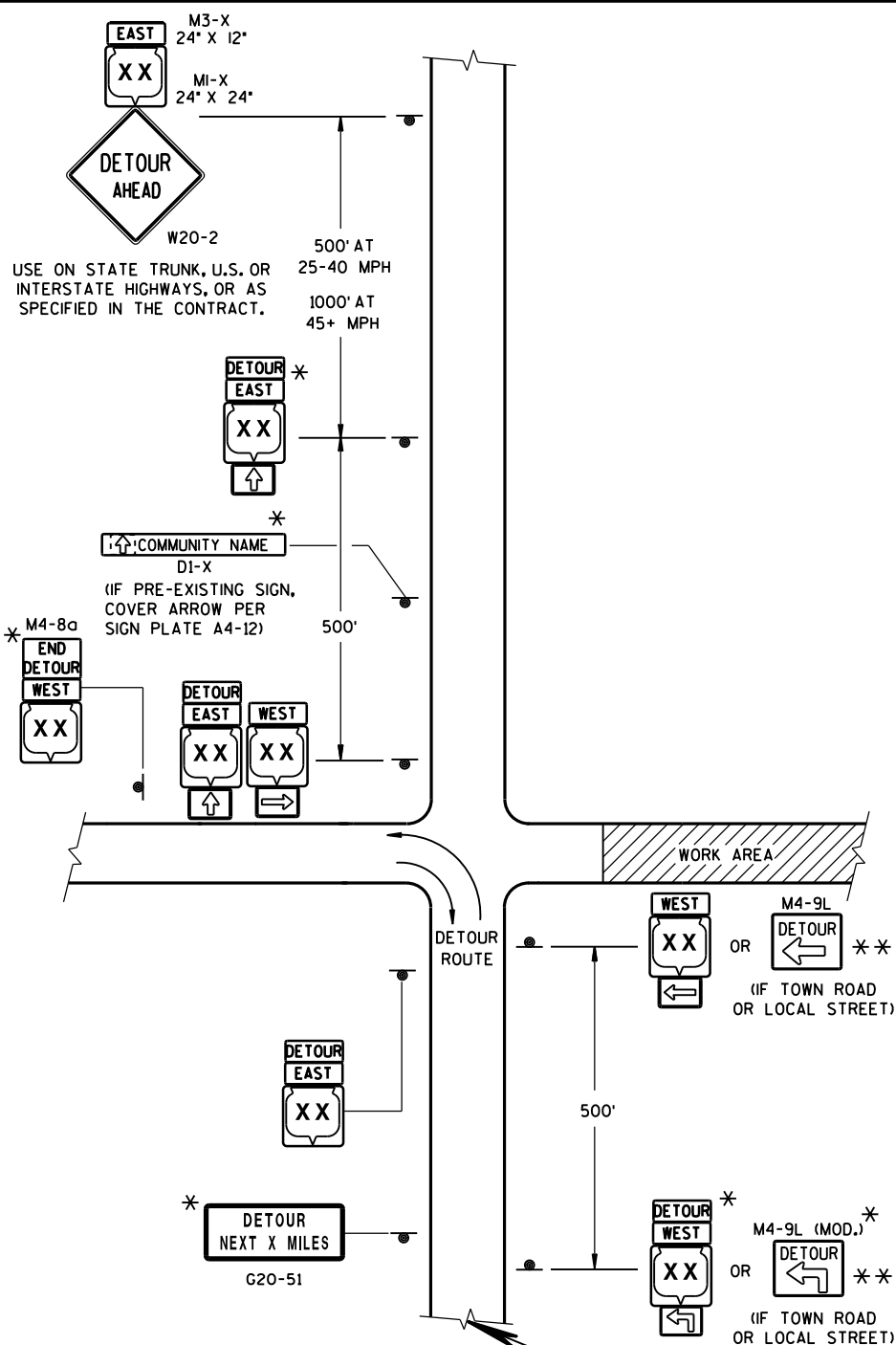
R1-1 SHALL BE 36" X 36".

- 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

8/2013 /S/ Travis Feltes
DATE STATE TRAFFIC ENGINEER OF DESIGN
FHWA



LEGEND

SIGN ON PERMANENT SUPPORT

WORK AREA

M4-8
M3-X

MI-4 MI-5A MI-6

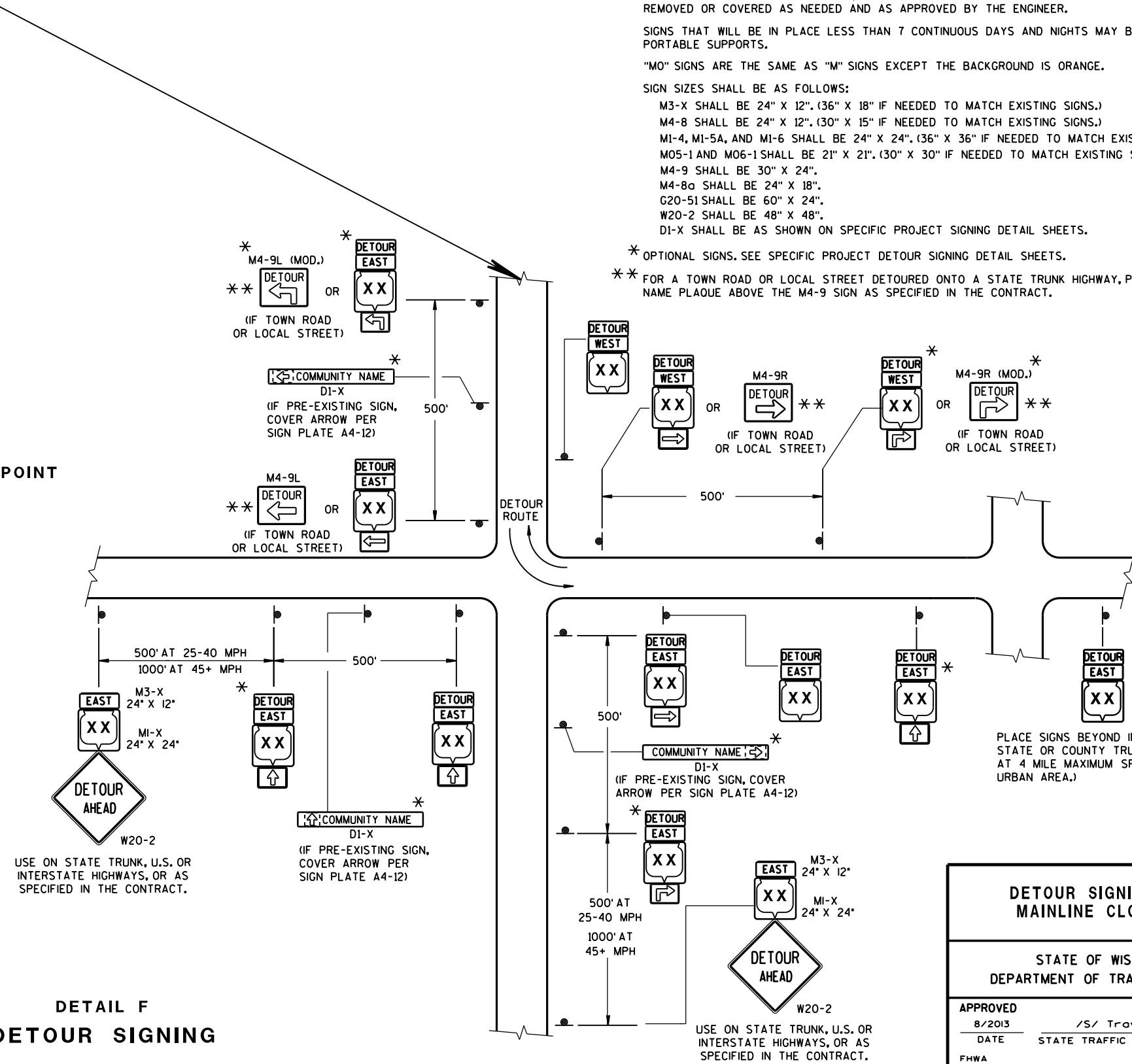
M05-1 M06-1 M06-1

SEE SPECIFIC PROJECT DETOUR
SIGNING DETAIL SHEETS AND
DETAIL A OR B ON SDD 15C2-SHEET "a"

THIS DRAWING PROVIDES GENERAL GUIDANCE
ON TYPICAL DETOUR SIGN LAYOUT AND SPACING.
SEE PROJECT DETOUR SIGNING SHEETS FOR
SPECIFIC DETAILS FOR EACH PROJECT.

MATCH POINT

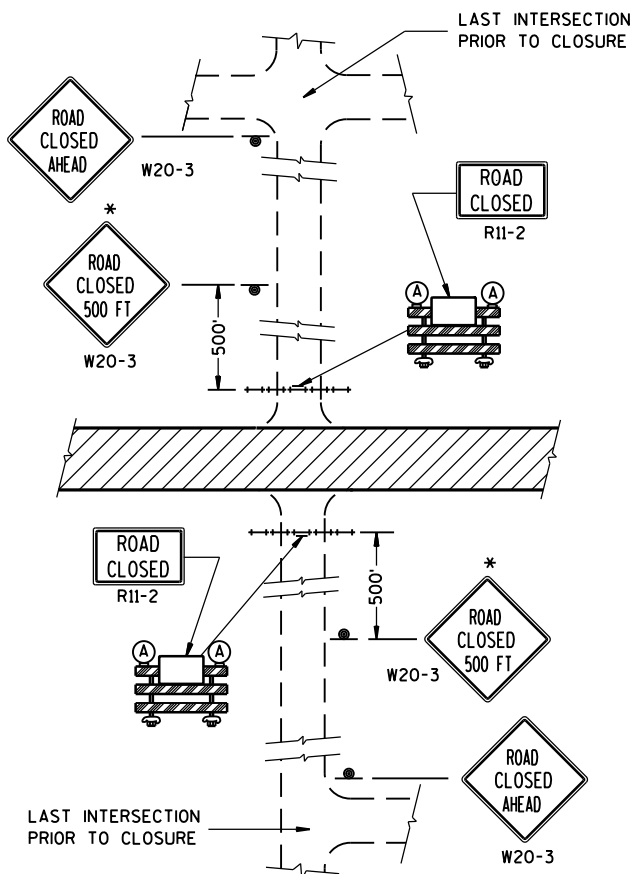
DETAIL F
DETOUR SIGNING



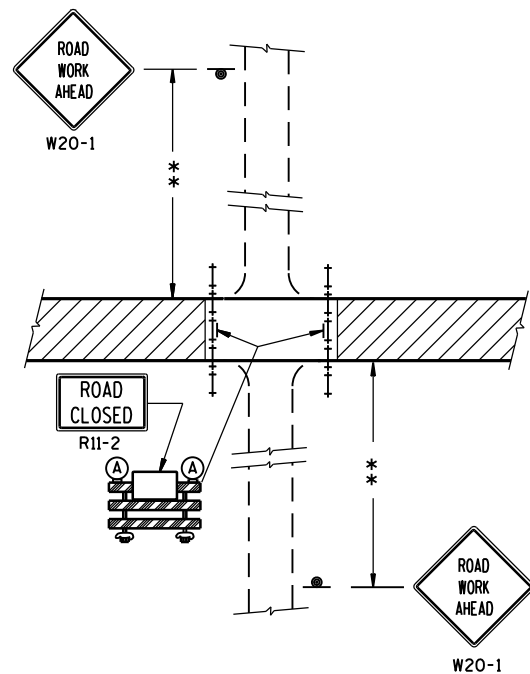
GENERAL NOTES

- THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
- 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. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS, MODIFY EXISTING SIGNS WHERE POSSIBLE.
- THE SPACING BETWEEN TRAFFIC CONTROL AND DETOUR SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.
- 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.
- SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.
- "MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.
- SIGN SIZES SHALL BE AS FOLLOWS:
- M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.)
 - 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.)
 - M4-9 SHALL BE 30" X 24".
 - M4-8a SHALL BE 24" X 18".
 - G20-51 SHALL BE 60" X 24".
 - W20-2 SHALL BE 48" X 48".
 - D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- * OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.
- ** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.

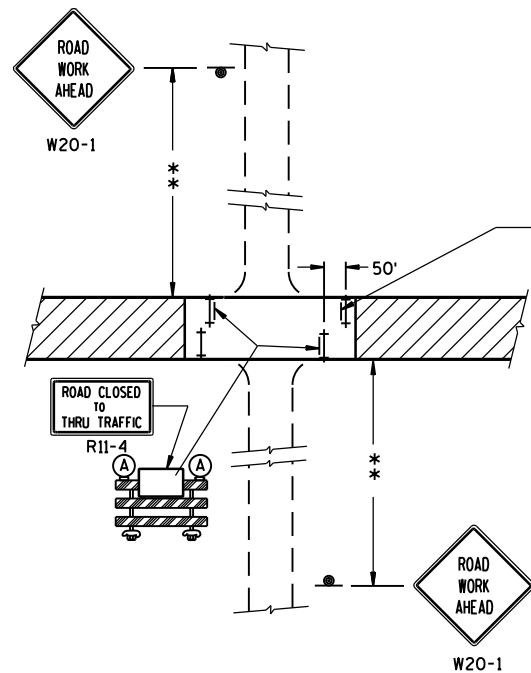
DETOUR SIGNING FOR MAINLINE CLOSURES	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 8/2013 DATE	/S/ Travis Feltes STATE TRAFFIC ENGINEER OF DESIGN
FHWA	



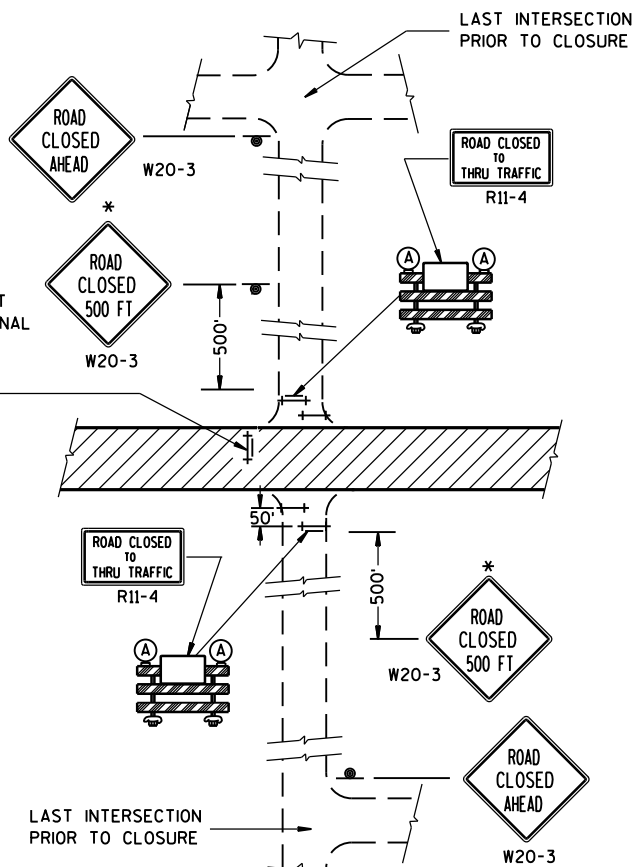
DETAIL 1
(NO ACCESS TO PROJECT)



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



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



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

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

R11-2 SHALL BE 48" X 30".

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

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

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

LEGEND

- ⊙ SIGN ON PERMANENT SUPPORT
- ⊢ TYPE III BARRICADE
- ⊢ TYPE III BARRICADE WITH ATTACHED SIGN
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- ▨ WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

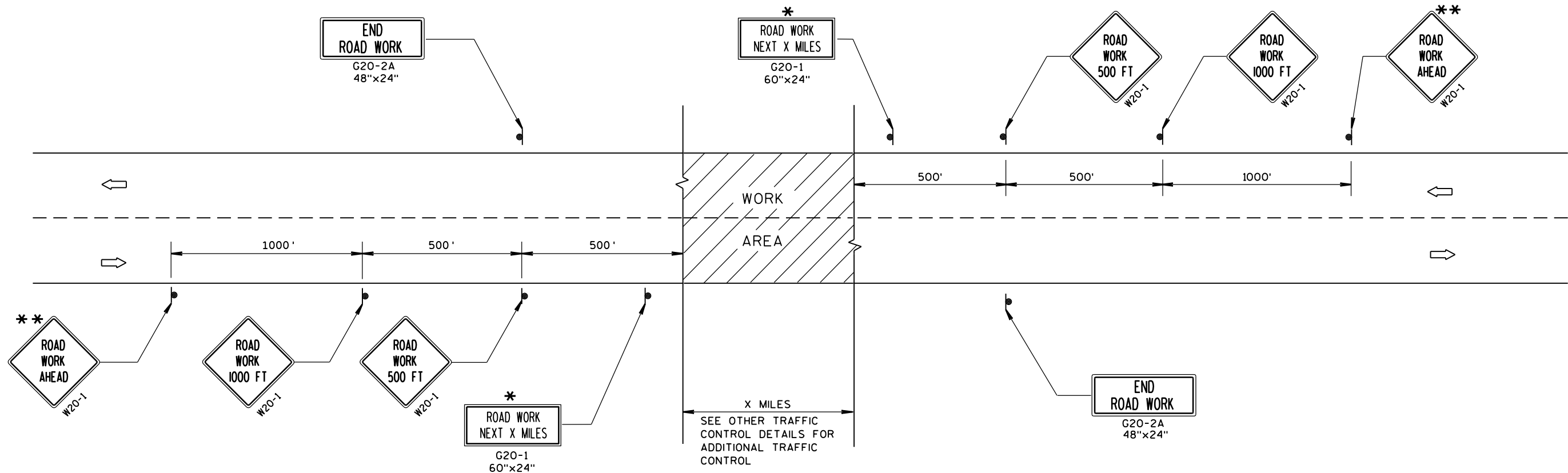
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

8/2013 /S/ Travis Feltes

DATE STATE TRAFFIC ENGINEER OF DESIGN

FHWA



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.

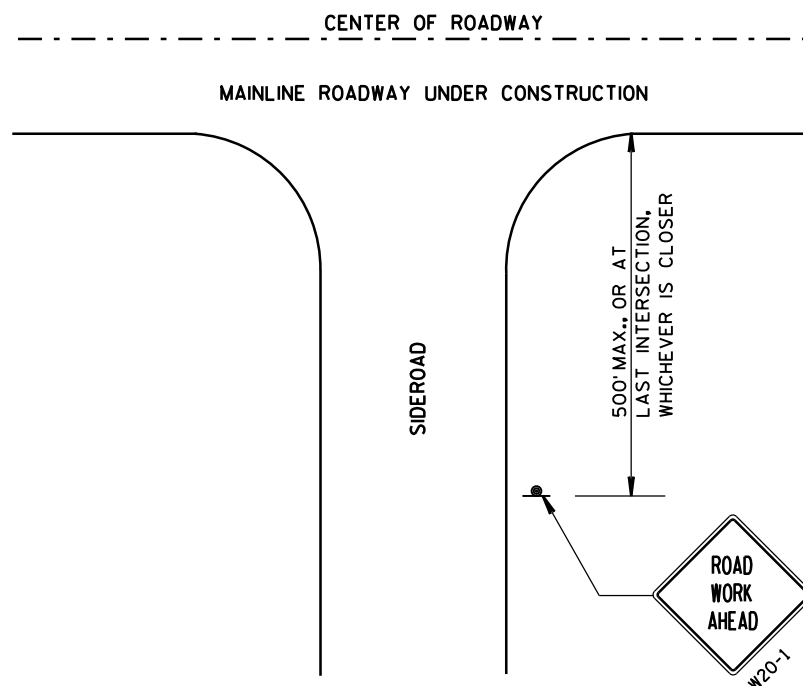
ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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.



LEGEND

- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA

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

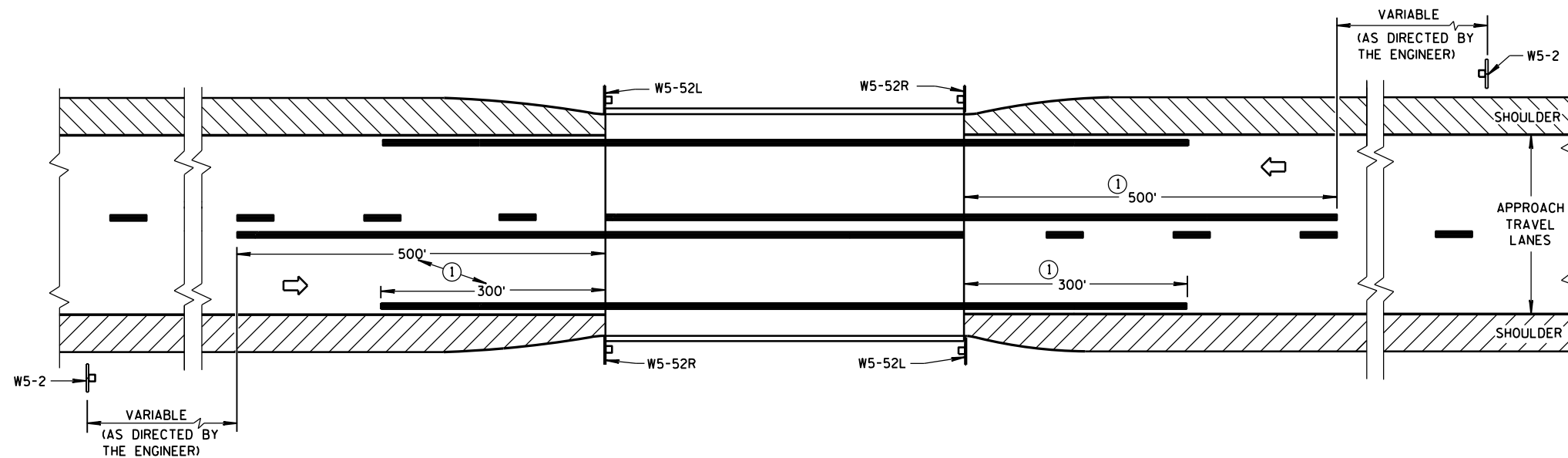
8/2013

DATE

FHWA

/S/ Travis Feltes

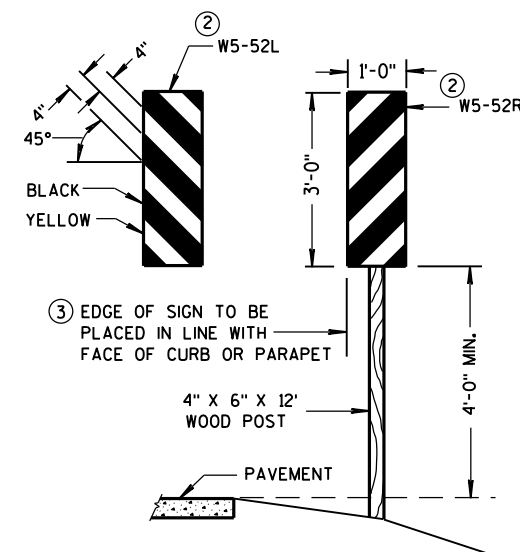
STATE TRAFFIC ENGINEER OF DESIGN



SITUATION 1

WARRANTING CRITERIA:

BRIDGE WIDTH IS AT LEAST 18 FEET BUT LESS THAN 24 FEET



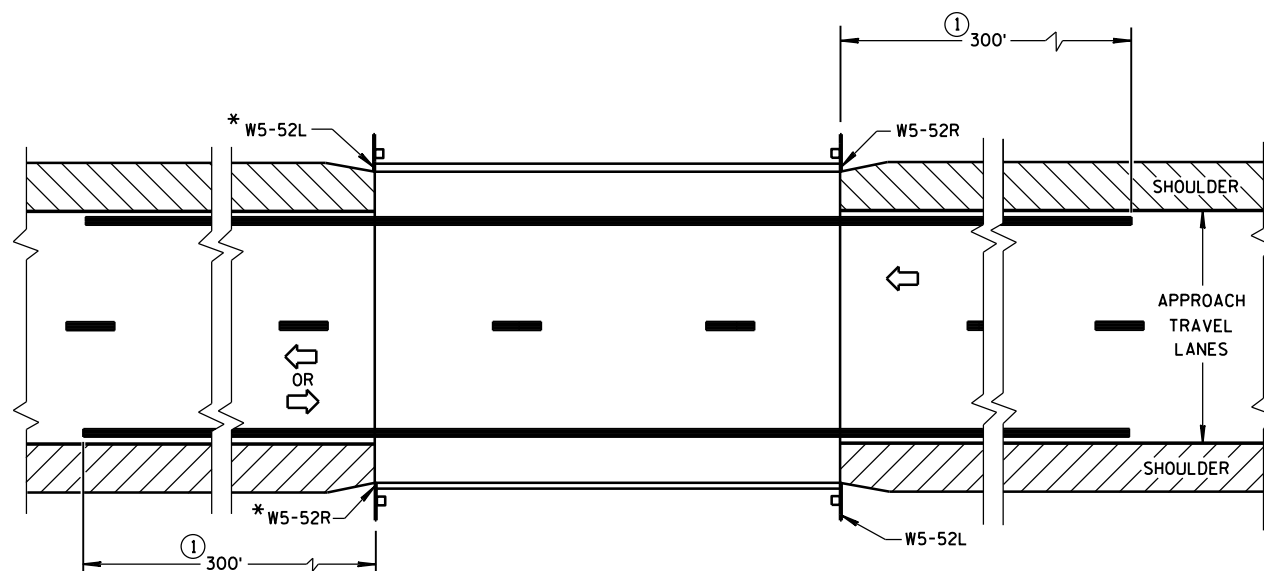
OBJECT MARKER PLACEMENT

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.

PAVEMENT MARKING SHOWN ON THIS DRAWING IS NOT REQUIRED UNLESS OTHERWISE SPECIFIED IN THE CONTRACT. WHEN SPECIFIED, PAVEMENT MARKING SHALL CONFORM TO THIS DRAWING AND OTHER CONTRACT REQUIREMENTS.

- ① MINIMUM DISTANCE UNLESS OTHERWISE SHOWN ON THE PLAN.
- ② FACE OF OBJECT MARKERS W5-52R, AND W5-52L SHALL BE COVERED WITH TYPE F REFLECTIVE SHEETING.
- ③ LOCATE OBJECT MARKER POST(S) BEHIND GUARDRAIL WHEN PRESENT.

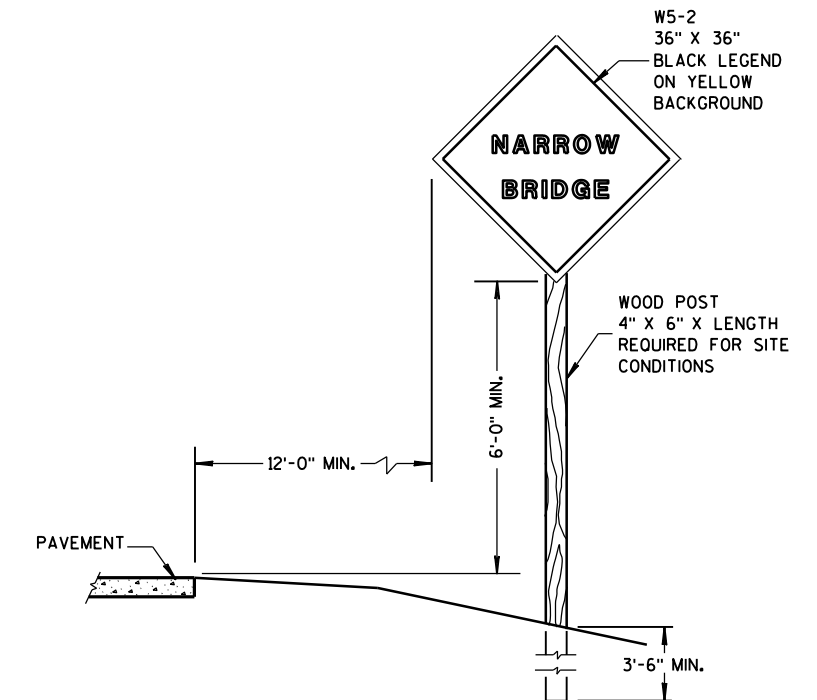


*OMIT ON ONE-WAY TRAVELLED WAYS

SITUATION 2

WARRANTING CRITERIA:

1. BRIDGE WIDTH IS AT LEAST 24 FEET AND
2. BRIDGE IS LESS THAN 6 FEET WIDER (ON EACH SIDE) THAN APPROACH TRAVEL LANES.



SIGN PLACEMENT

SIGNING & MARKING FOR TWO LANE BRIDGES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

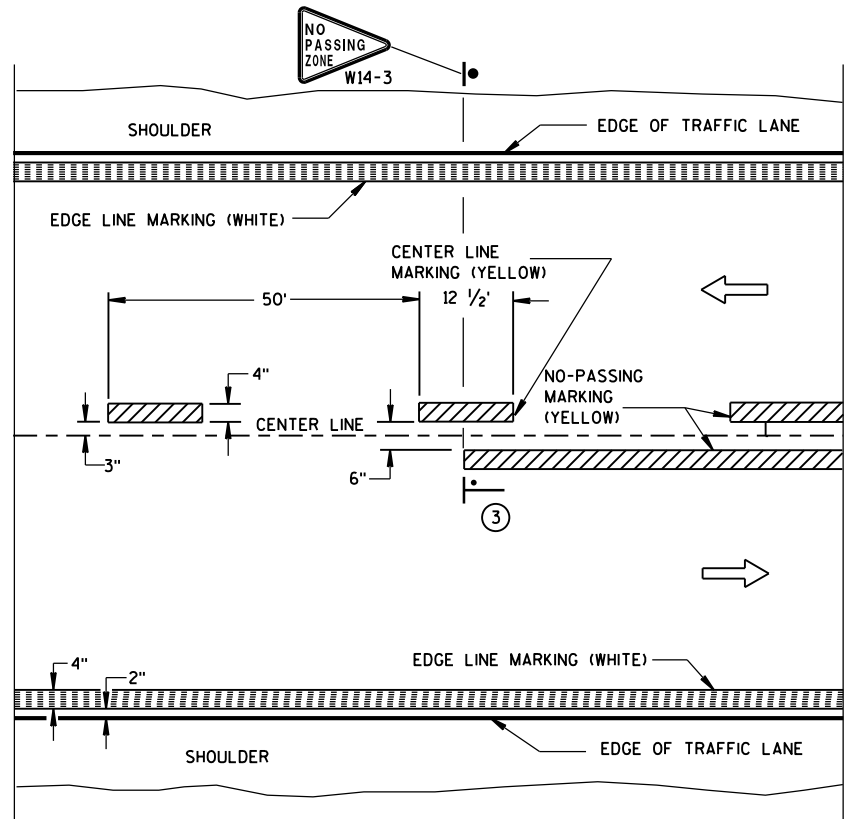
APPROVED

3/4/2013

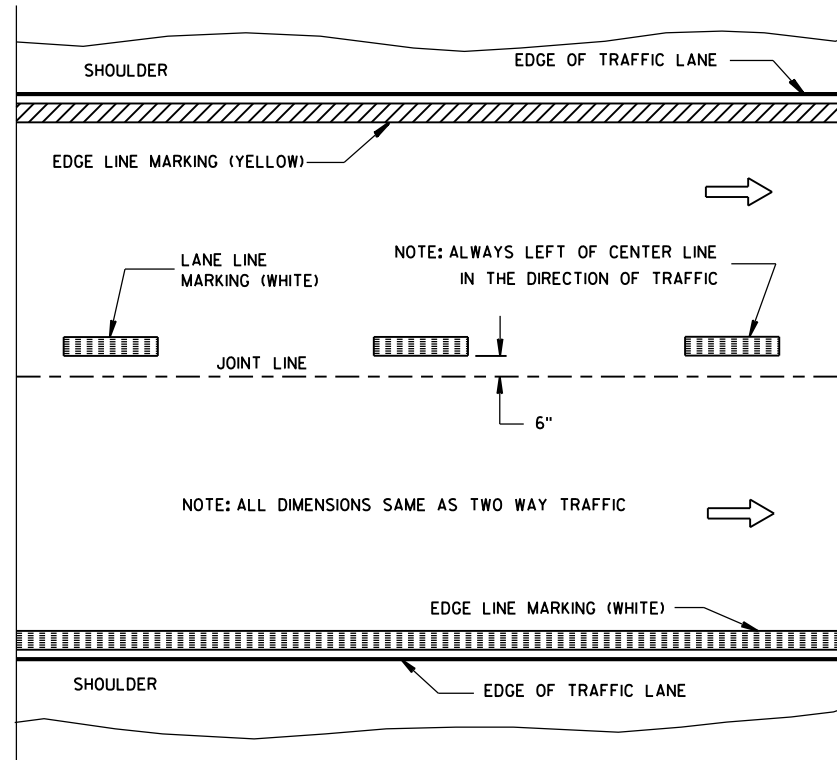
DATE

FHWA

/S/ Travis Feltes
STATE TRAFFIC ENGINEER OF DESIGN

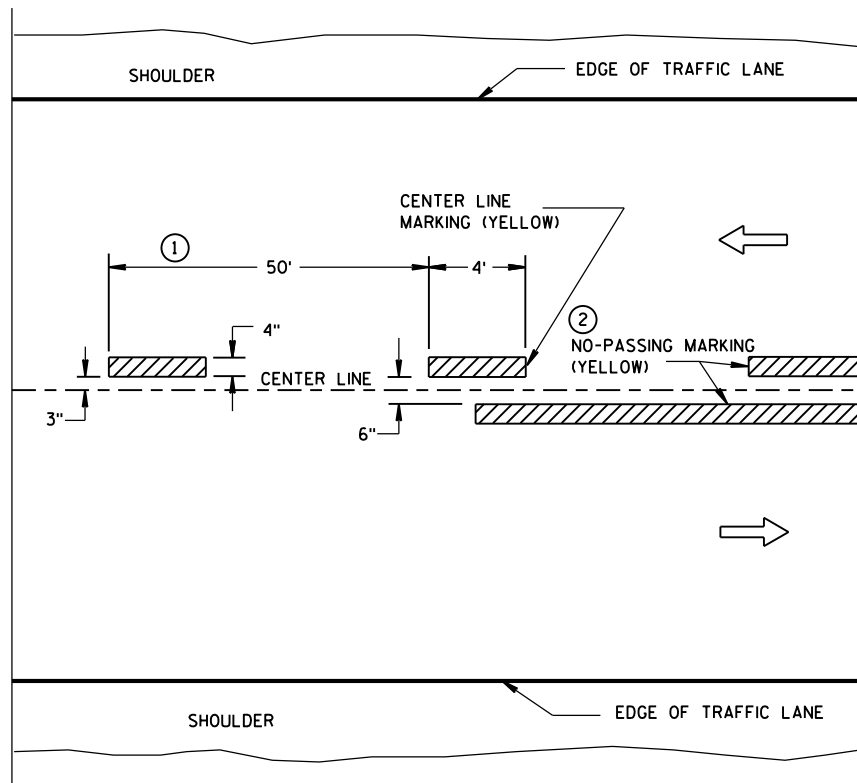


TWO WAY TRAFFIC

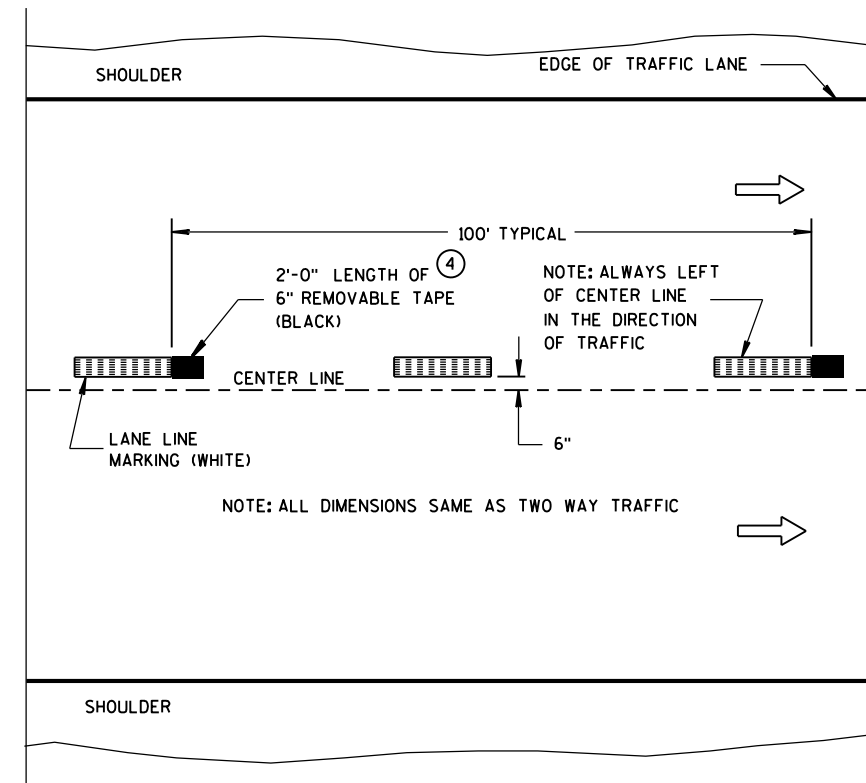


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

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

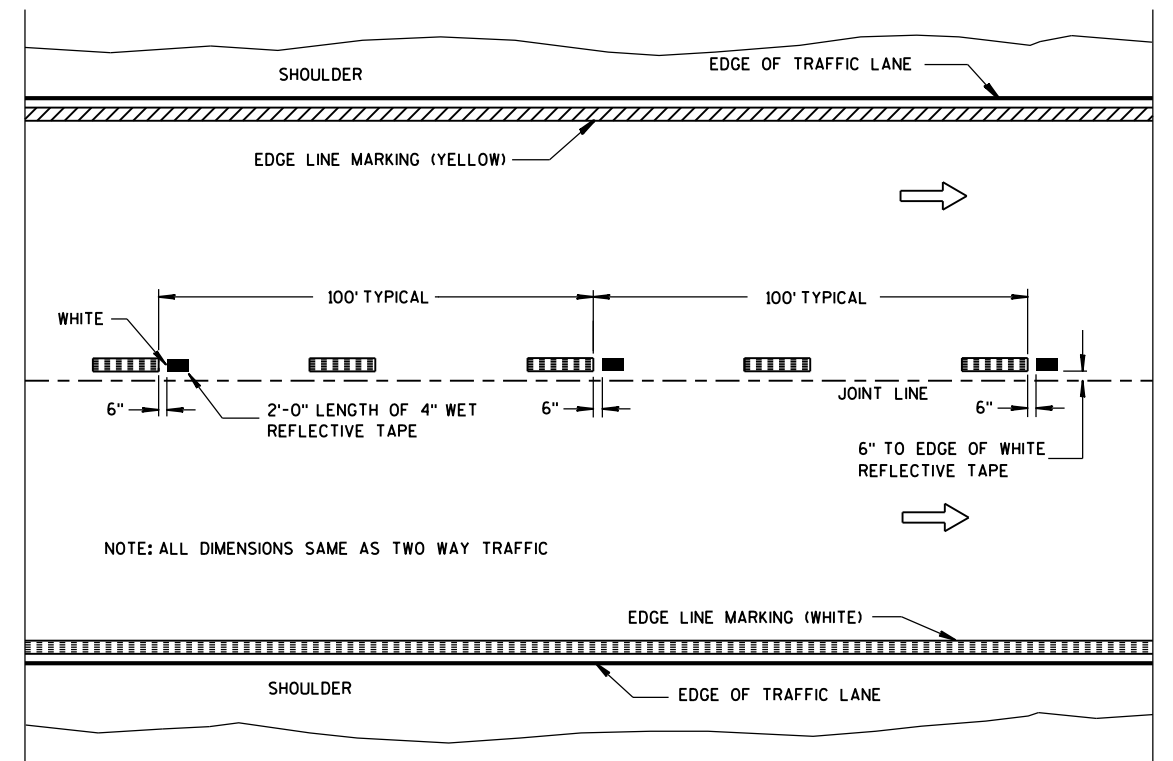
GENERAL NOTES

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

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

NOTE

ARROW SYMBOL (→) SHOWS DIRECTION OF TRAVEL



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

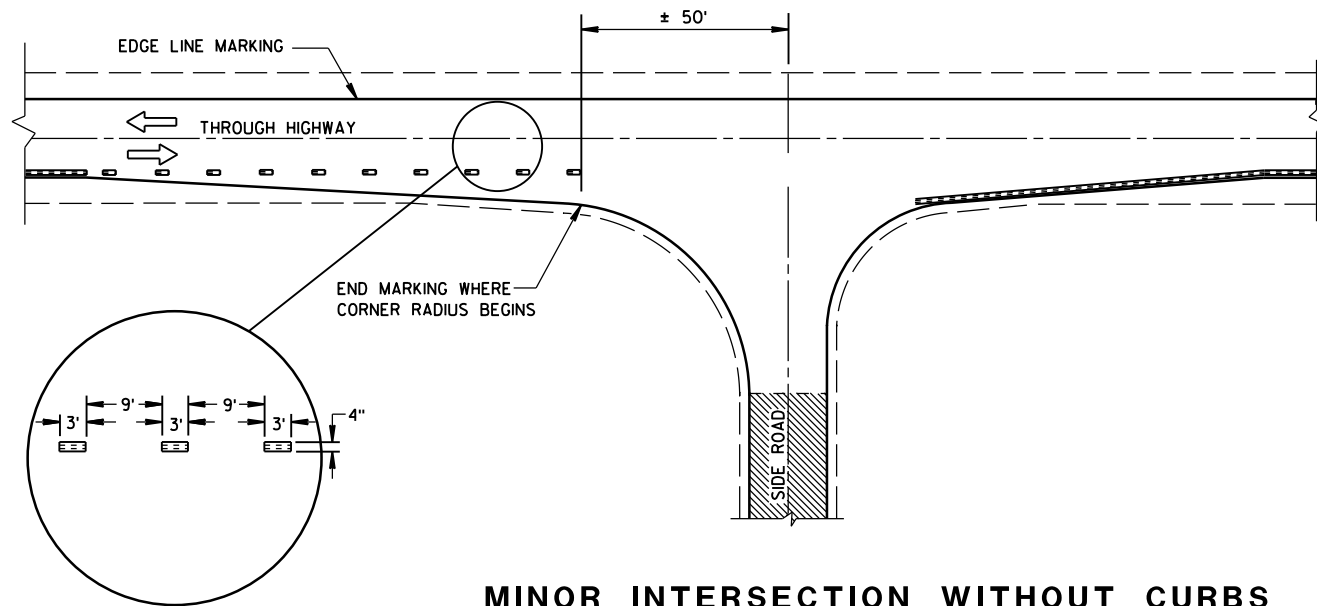
LEGEND

- "T" MARKING
- POST MOUNTED SIGN

PAVEMENT MARKING
(MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

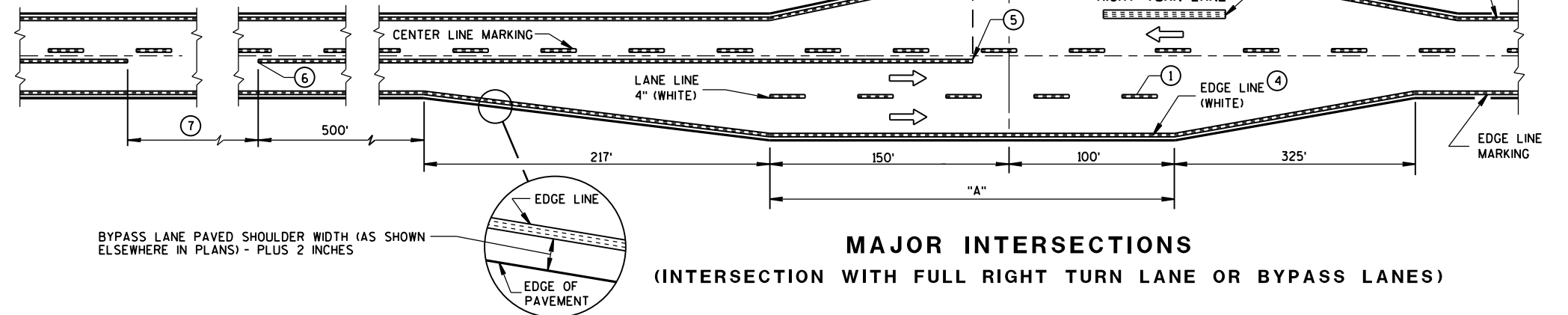
APPROVED
5-13-2013 /S/ Travis Feltes
DATE STATE TRAFFIC ENGINEER
FHWA



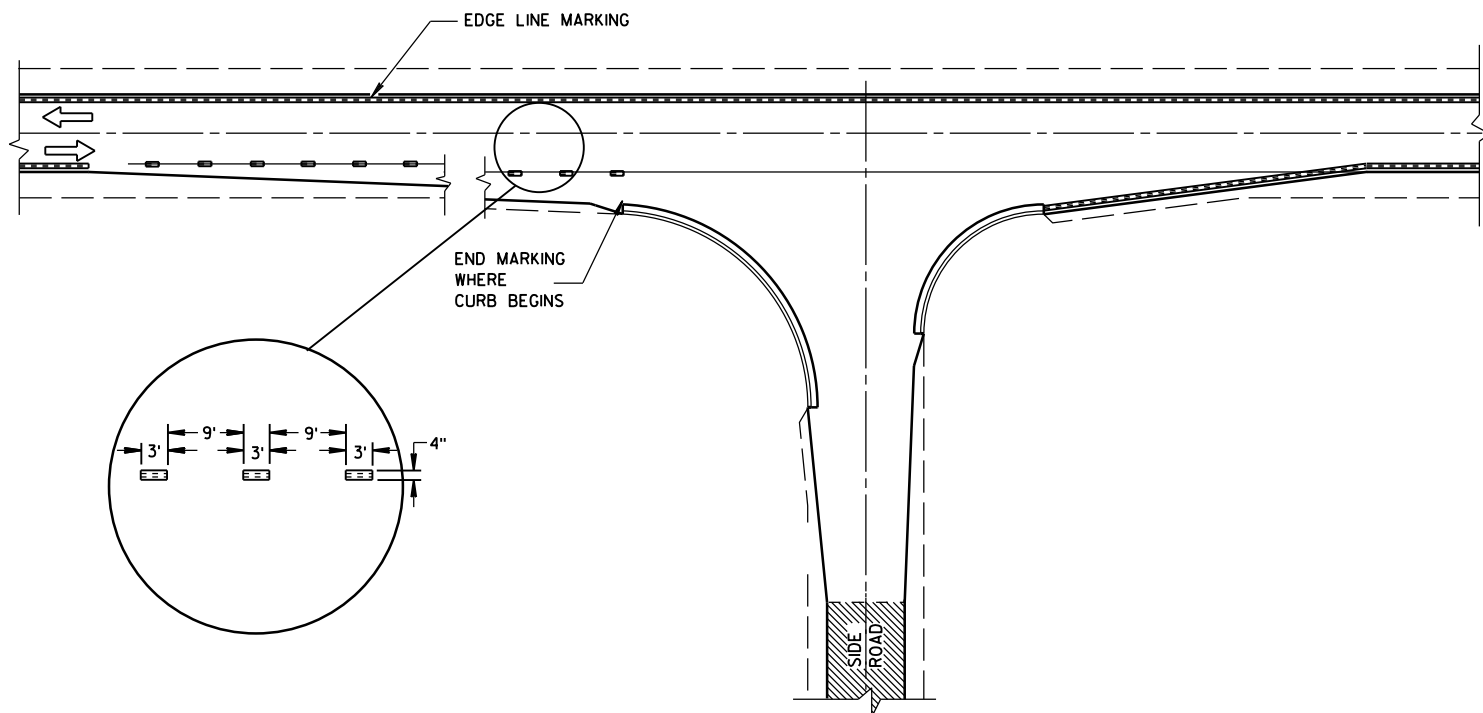
MINOR INTERSECTION WITHOUT CURBS

⑦

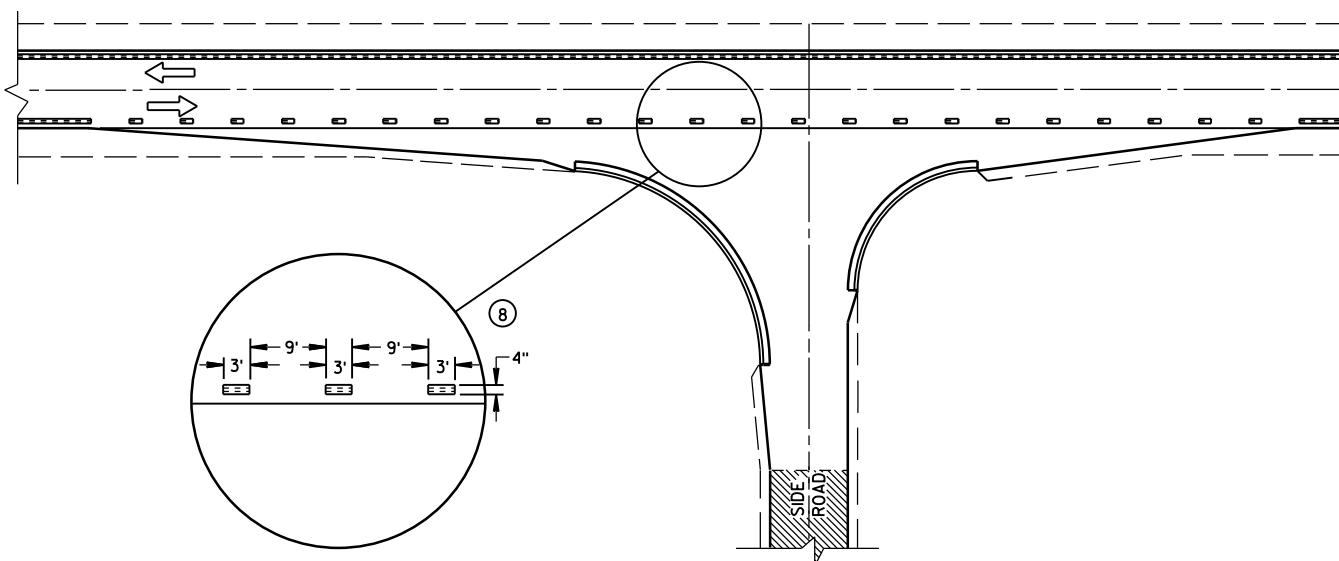
POSTED SPEED (MPH)	MINIMUM DISTANCE BETWEEN ZONES (FEET)
25 - 30	528
35 - 40	528
45 - 50	686
55	792



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



MINOR INTERSECTION WITH CURBS
(TYPICAL MARKING)



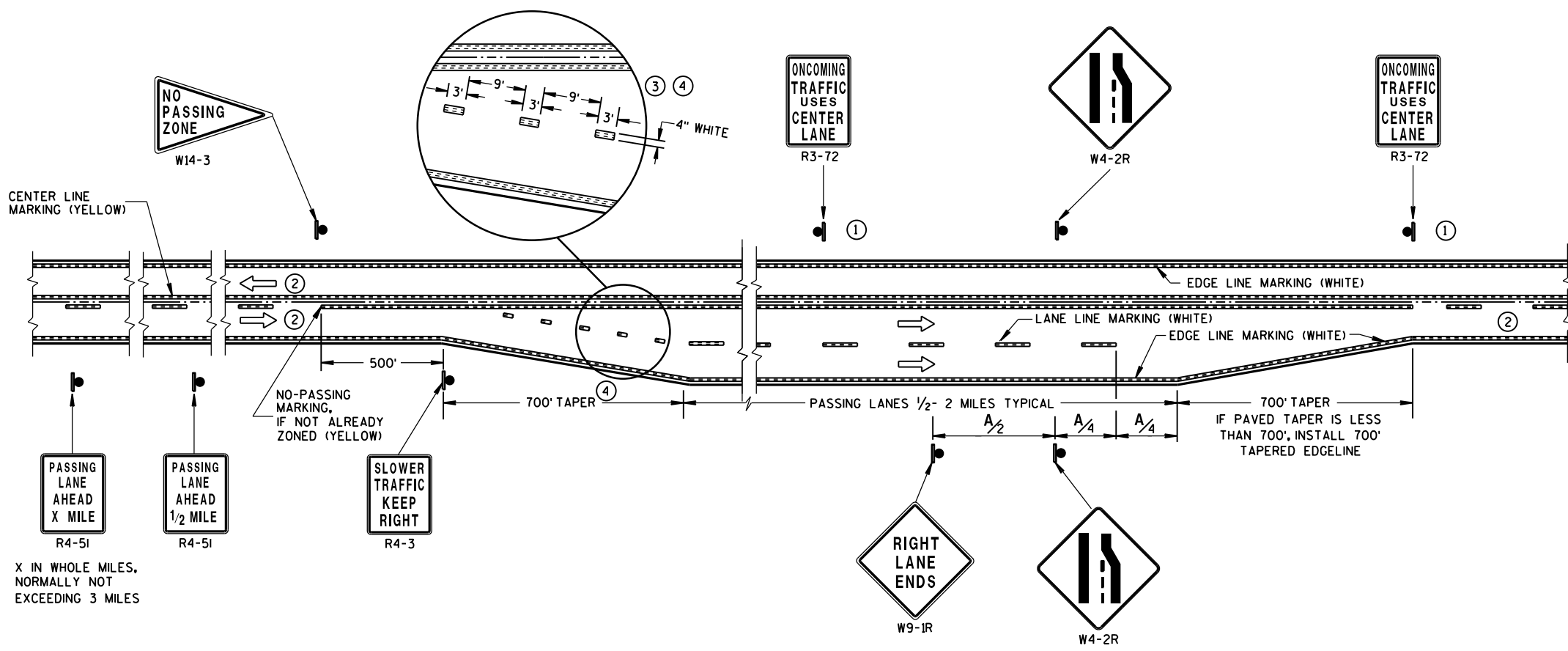
MINOR INTERSECTION WITH CURBS
③ (FOR SPECIAL CONDITIONS AS SPECIFIED)

GENERAL NOTES

- EDGE LINES SHALL BE OMITTED THROUGH INTERSECTIONS. EDGE LINES SHALL BE CONTINUED THROUGH DRIVEWAYS.
- ① WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
 - ② WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
 - ③ ALTERNATIVE MARKING SHALL BE PROVIDED WHEN SPECIFIED IN THE CONTRACT. TYPICAL SITUATIONS WHERE THIS MARKING MAY BE REQUIRED ARE WHERE THE INTERSECTION IS ON A SHARP HORIZONTAL CURVE OR CREST VERTICAL CURVE IN AN UNLIGHTED AREA SUCH THAT THE EDGE LINE MAY BE MISLEADING TO THE MOTORIST OR DISAPPEAR FROM SIGHT.
 - ④ THE EDGE LINE IN THE TAPER AREAS OF THE BYPASS LANE AND THE BYPASS LANE SHALL BE LOCATED 1-FOOT FROM EDGE OF PAVEMENT TO THE OUTSIDE EDGE OF EDGE LINE.
 - ⑤ BARRIER LINE ENDS AT SIDE ROAD PAVEMENT/SURFACE EDGE EXTENSION.
 - ⑥ BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.
 - ⑦ IF THE DISTANCE BETWEEN 2 SUCCESSIVE NO-PASSING ZONES IS LESS THAN THE MINIMUM DISTANCE BETWEEN ZONES, CONNECT THE 2 ZONES.
 - ⑧ 3' LINE 9' GAP, EXCEPT RETRACE THE EXISTING LINE - GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.
- ARROW SYMBOL (→) SHOWS DIRECTION OF TRAVEL

PAVEMENT MARKING
(INTERSECTIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



**SOLID DOUBLE-YELLOW LINE
(THROUGHOUT ENTIRE PASSING/CLIMBING LANE)**

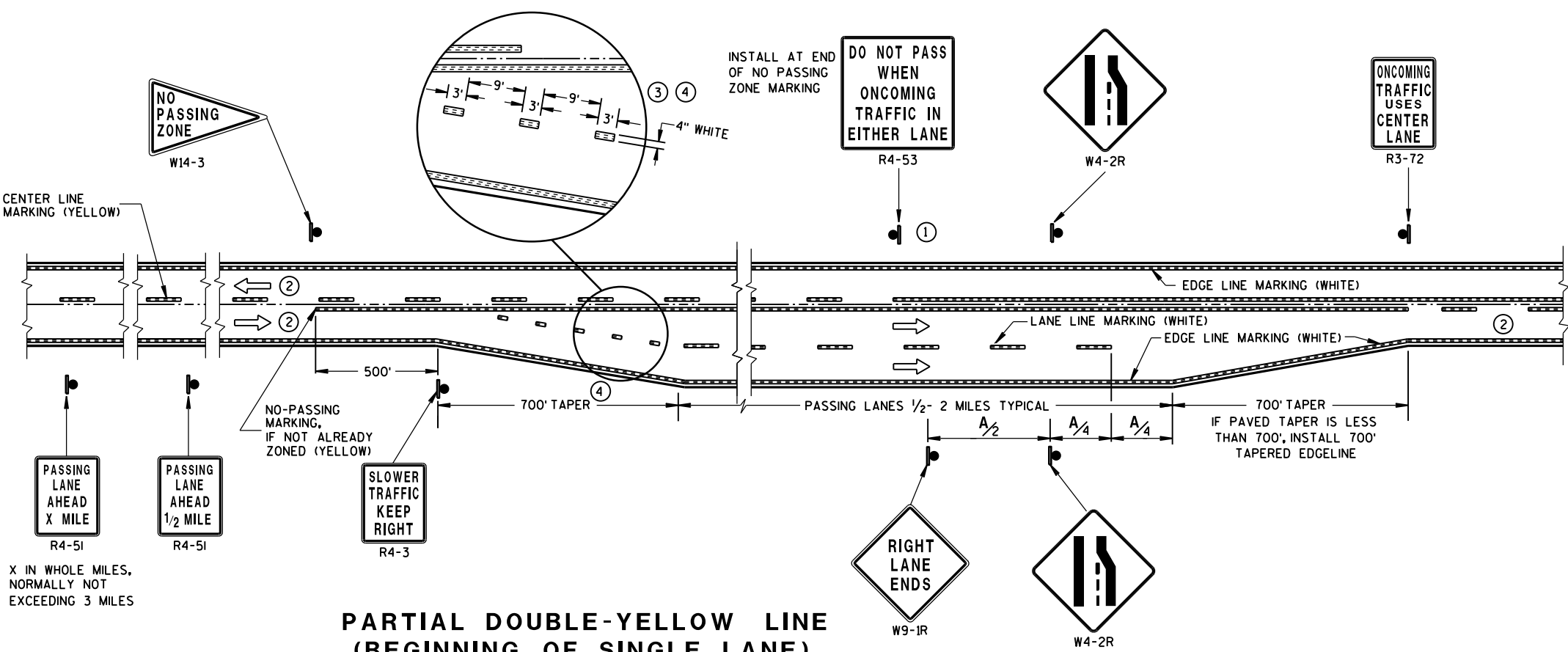
GENERAL NOTES

- ① SIGN SHALL BE REPEATED AT 1 MILE INCREMENTS OR AT THE DISCRETION OF THE REGIONAL TRAFFIC ENGINEER.
- ② THERE MAY BE SOLID YELLOW ON THE CENTERLINE DUE TO SIGHT CONDITIONS.
- ③ THE TAPER LENGTH OF THE DOTTED LINE PAVEMENT MARKING SHALL BE 700 FEET, 3' LINE 9' GAP, EXCEPT RETRACE THE EXISTING LINE-GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.
- ④ WHEN THE ENTRANCE TAPER IS LESS THAN 700 FEET OR THE SHOULDER WIDTH IN THE PASSING/CLIMBING LANE IS LESS THAN THE ADJACENT HIGHWAY, DO NOT INSTALL DOTTED LINE PAVEMENT MARKING.

ARROW SYMBOL (➡) SHOWS DIRECTION OF TRAVEL

DISTANCE TABLE

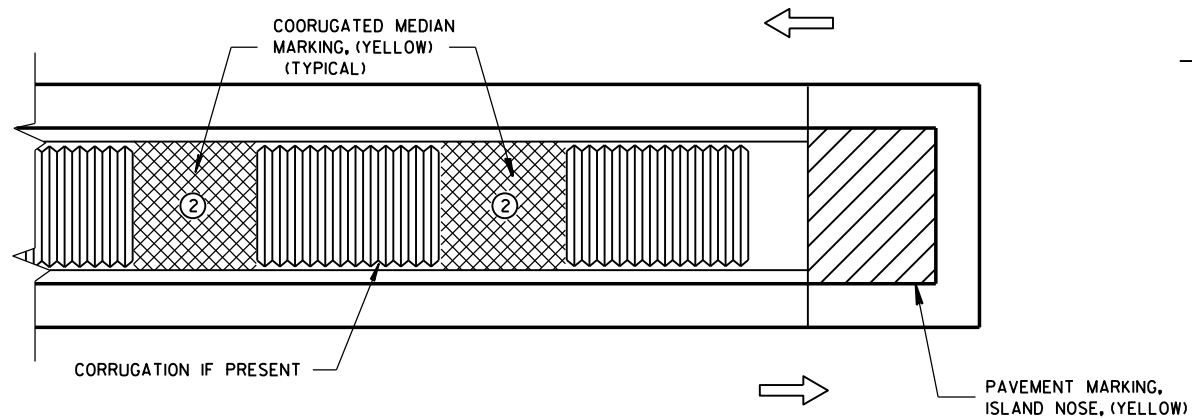
POSTED OR 85th PERCENTILE SPEED	DISTANCE "A"
45	750
50	850
55	950



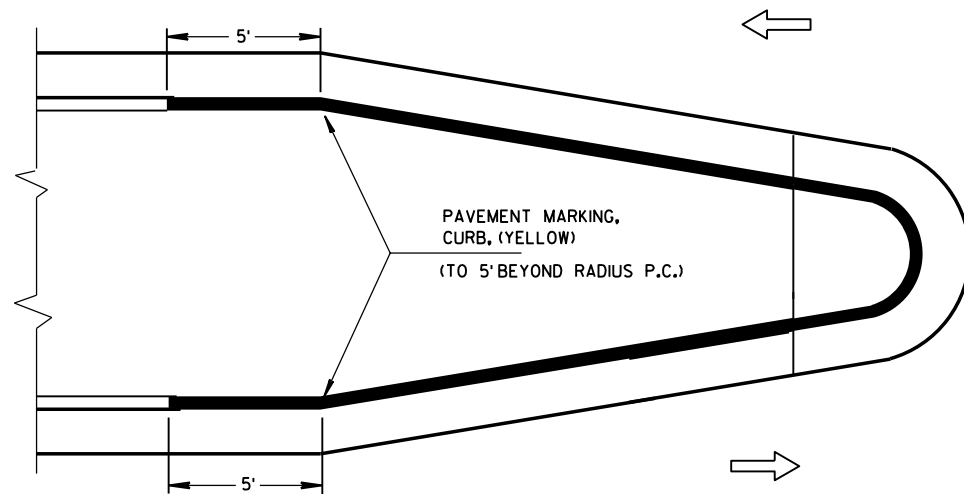
**PARTIAL DOUBLE-YELLOW LINE
(BEGINNING OF SINGLE LANE)**

**PAVEMENT MARKING & SIGNING
(CLIMBING LANE & PASSING LANE)**

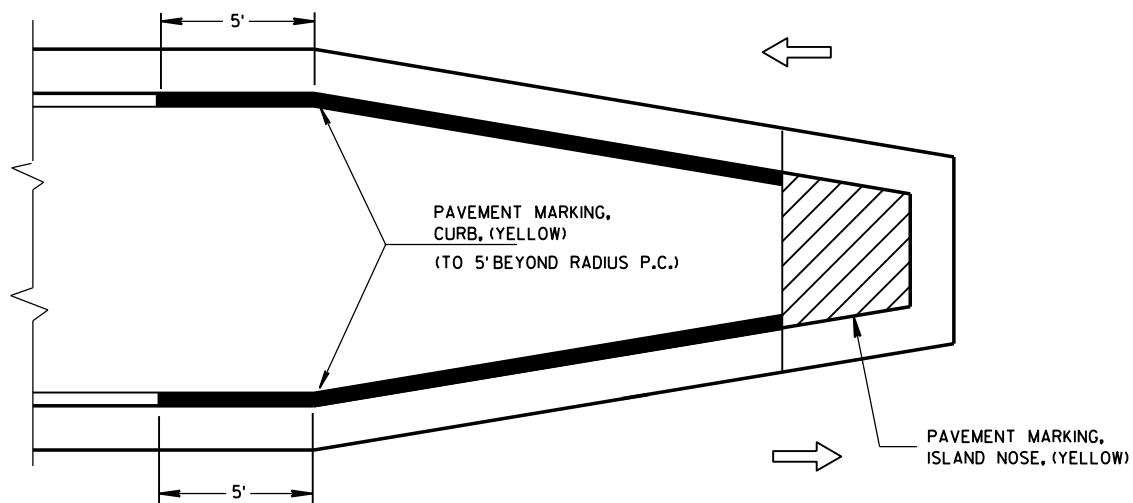
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



MEDIAN ISLAND WITH SQUARE BLUNT NOSE

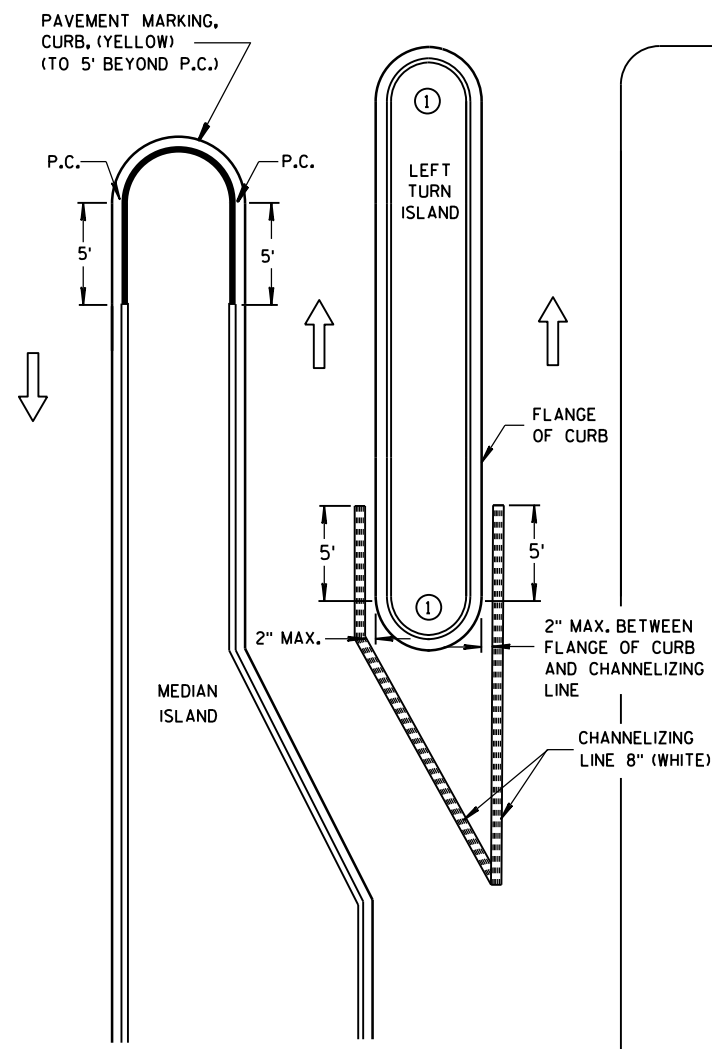


MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

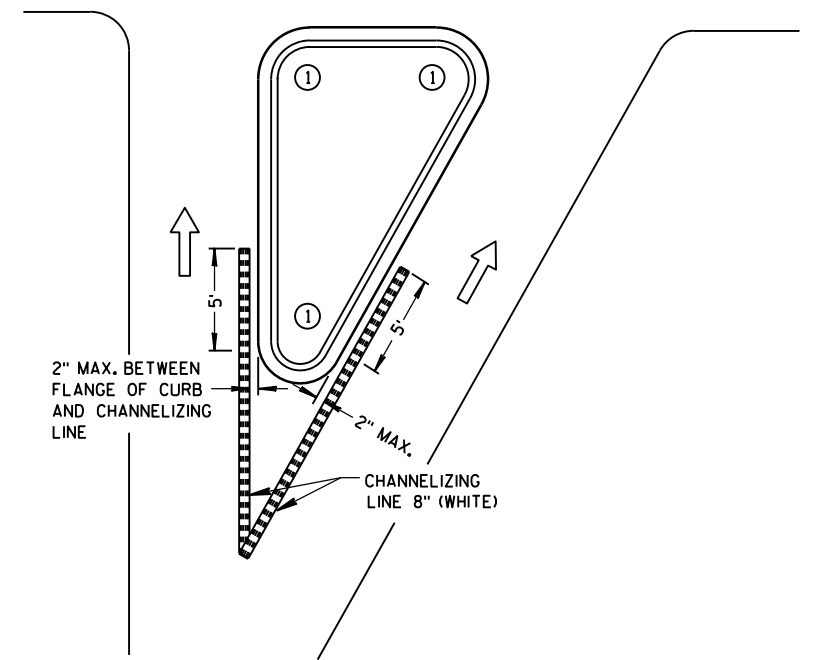
TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS



LEFT TURN & MEDIAN ISLAND

GENERAL NOTES

- 1 DO NOT MARK CURB NOSES THAT SEPARATE LANES OF TRAFFIC TRAVELING IN THE SAME DIRECTION.
- 2 WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN, THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.



RIGHT TURN ISLAND





LEGEND

- ISLAND NOSE MARKING
- CURB MARKING
- CORRUGATED MEDIAN MARKING
- DIRECTION OF TRAVEL

PAVEMENT MARKING (ISLANDS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

LEGEND

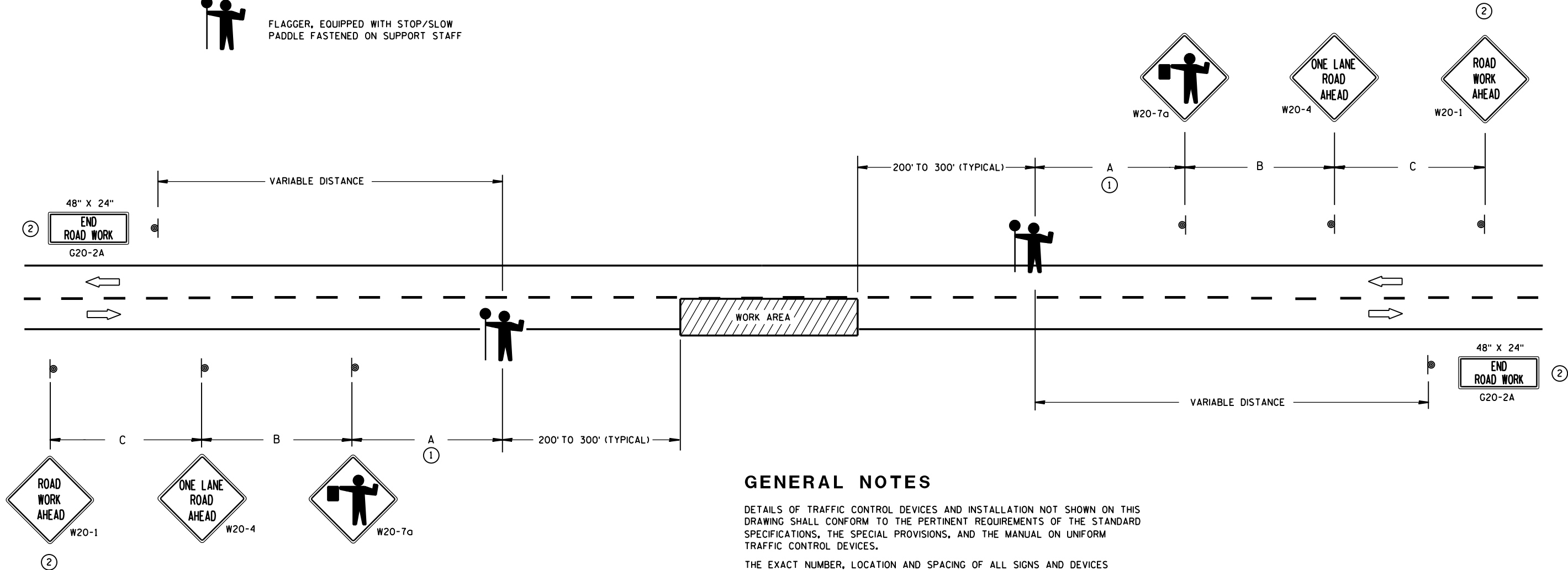
-  SIGN ON PORTABLE OR PERMANENT SUPPORT
-  DIRECTION OF TRAFFIC
-  WORK AREA
-  FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

SIGN SPACING TABLE

SPEED LIMIT	SIGN SPACING A,B,C
25-35 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



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



GENERAL NOTES

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

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

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

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

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT, COVER OR REMOVE ALL TEMPORARY TRAFFIC CONTROL SIGNS.

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

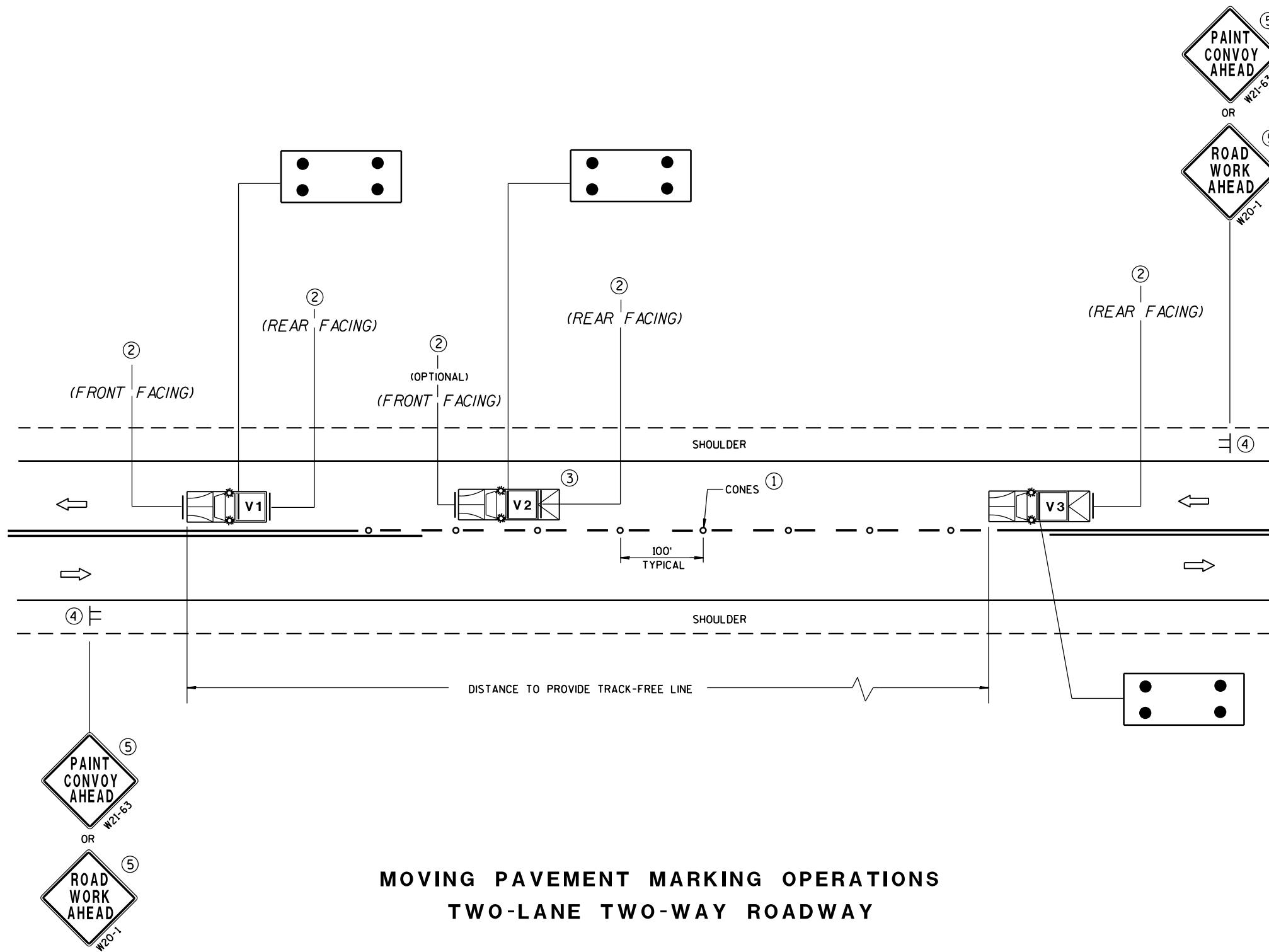
① FOR A MOVING WORK OPERATION, SIGNING FOR BOTH DIRECTIONS SHALL BE REESTABLISHED (AS SIMULTANEOUSLY AS PRACTICAL) AT APPROXIMATELY 3500 FOOT INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

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

TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8/2013 /S/ Travis Feltes
DATE STATE TRAFFIC ENGINEER OF DESIGN
FHWA



MOVING PAVEMENT MARKING OPERATIONS TWO-LANE TWO-WAY ROADWAY

GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL OPERATING IN CAUTION MODE. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

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

IF SPEED LIMIT IS 40 MPH OR LESS STATIONARY SIGNS MAY BE OMITTED IF CONES ARE USED.

ALTERNATE SIGN MESSAGES, SUCH AS "PAINT CREW AHEAD" OR "ROAD PAINTING AHEAD" MAY BE USED.

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

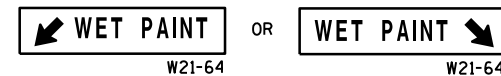
THE WORK AND SHADOW VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW TRAFFIC TO PASS.

THIS DRAWING SHALL BE USED FOR CENTERLINE OR EDGELINE MARKING.

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR TURN THE STATIONARY WARNING SIGNS AWAY FROM TRAFFIC.

① CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

② USE STANDARD SIGN W21-64 WITH APPROPRIATE ARROW.



③ OPTIONAL TRUCK-MOUNTED ATTENUATOR.

④ SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES.

⑤ IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1 OR W21-63 ARE NOT REQUIRED.

LEGEND

V1 LEAD VEHICLE

V2 SHADOW VEHICLE

V3 TRAIL VEHICLE WITH TMA

TMA TRUCK-MOUNTED ATTENUATOR

 SIGN ON TEMPORARY SUPPORT

 DIRECTION OF TRAFFIC

 CONES

 FLASHING ARROW PANEL (CAUTION)

MOVING PAVEMENT MARKING
OPERATION
TWO-LANE TWO-WAY ROADWAY

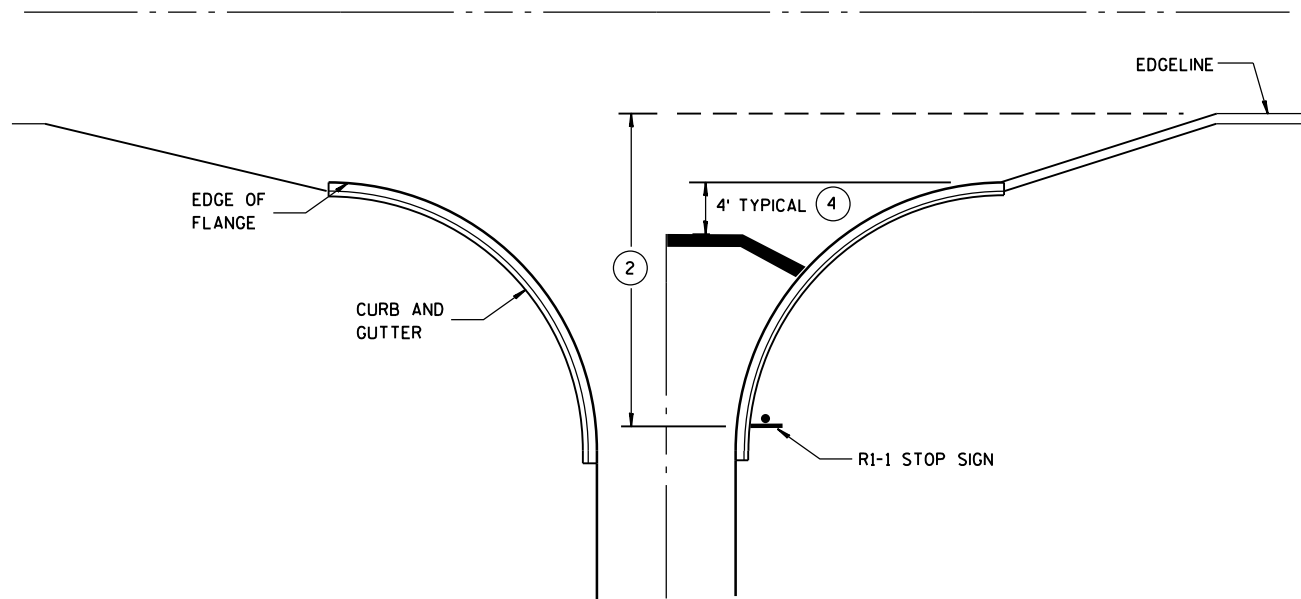
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

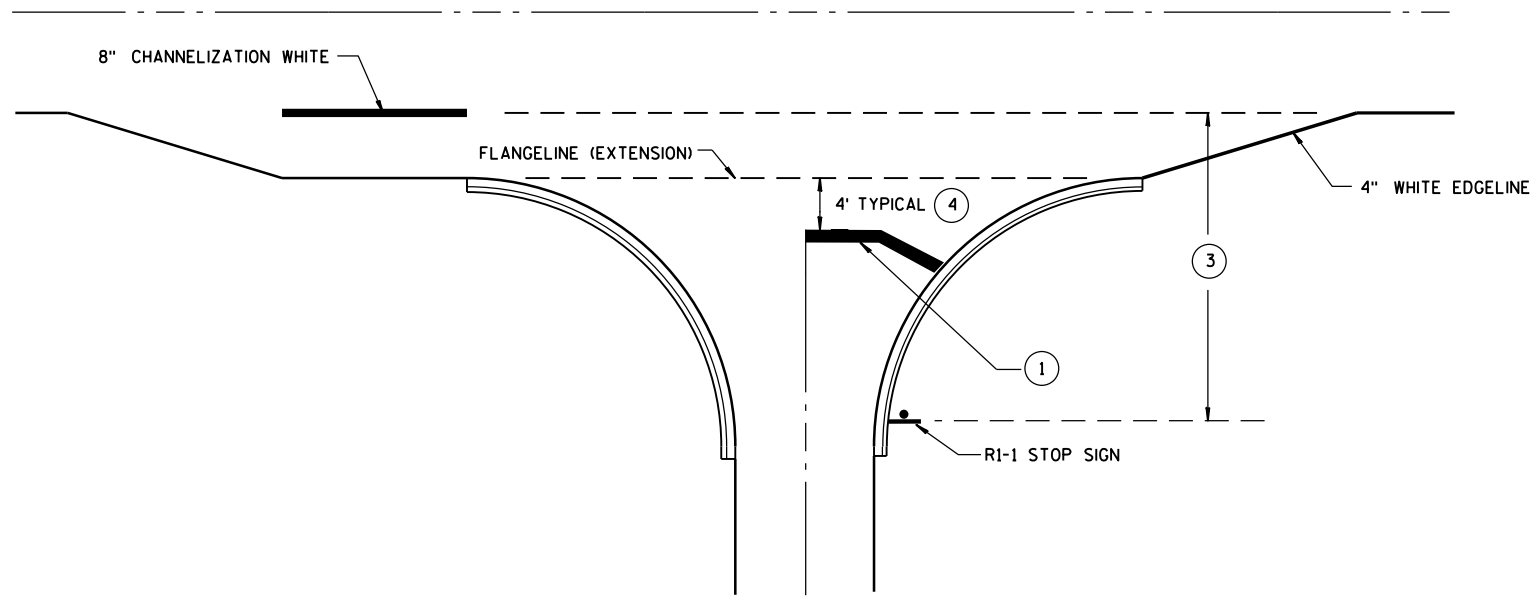
5/3/2013
DATE

/S/ Travis Feltes
STATE TRAFFIC ENGINEER

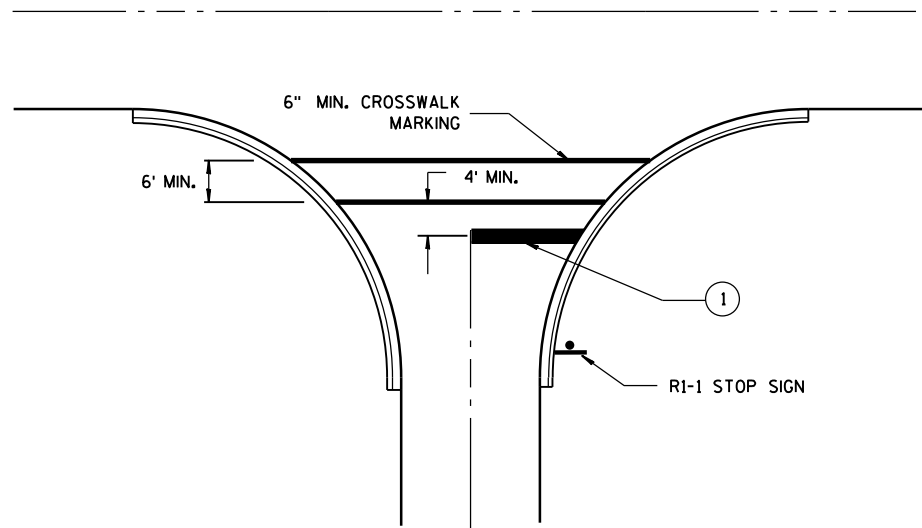
FHWA



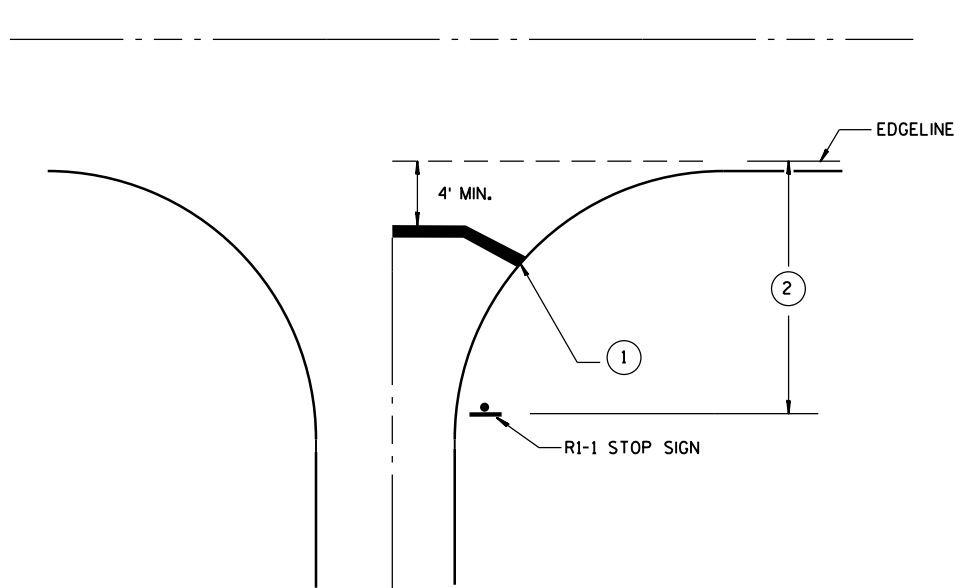
TYPICAL STOP LINE PAVEMENT MARKING
WITH CURB AND GUTTER



TYPICAL STOP LINE PAVEMENT MARKING
FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING
FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING
WITHOUT CURB AND GUTTER

GENERAL NOTES

- ① 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE PROJECT ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
- ② IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGE LINE THAN NO STOP LINE IS REQUIRED.
- ③ IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION THAN NO STOP LINE IS REQUIRED.
- ④ MOVE CLOSER TO EDGE OF TRAVEL LANE AS NEEDED FOR VISIBILITY AND SIGHT LINES.

STOP LINE AND CROSSWALK
PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
DATE 4/30/2013 /S/ Travis Feltz
STATE TRAFFIC ENGINEER
FHWA

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.

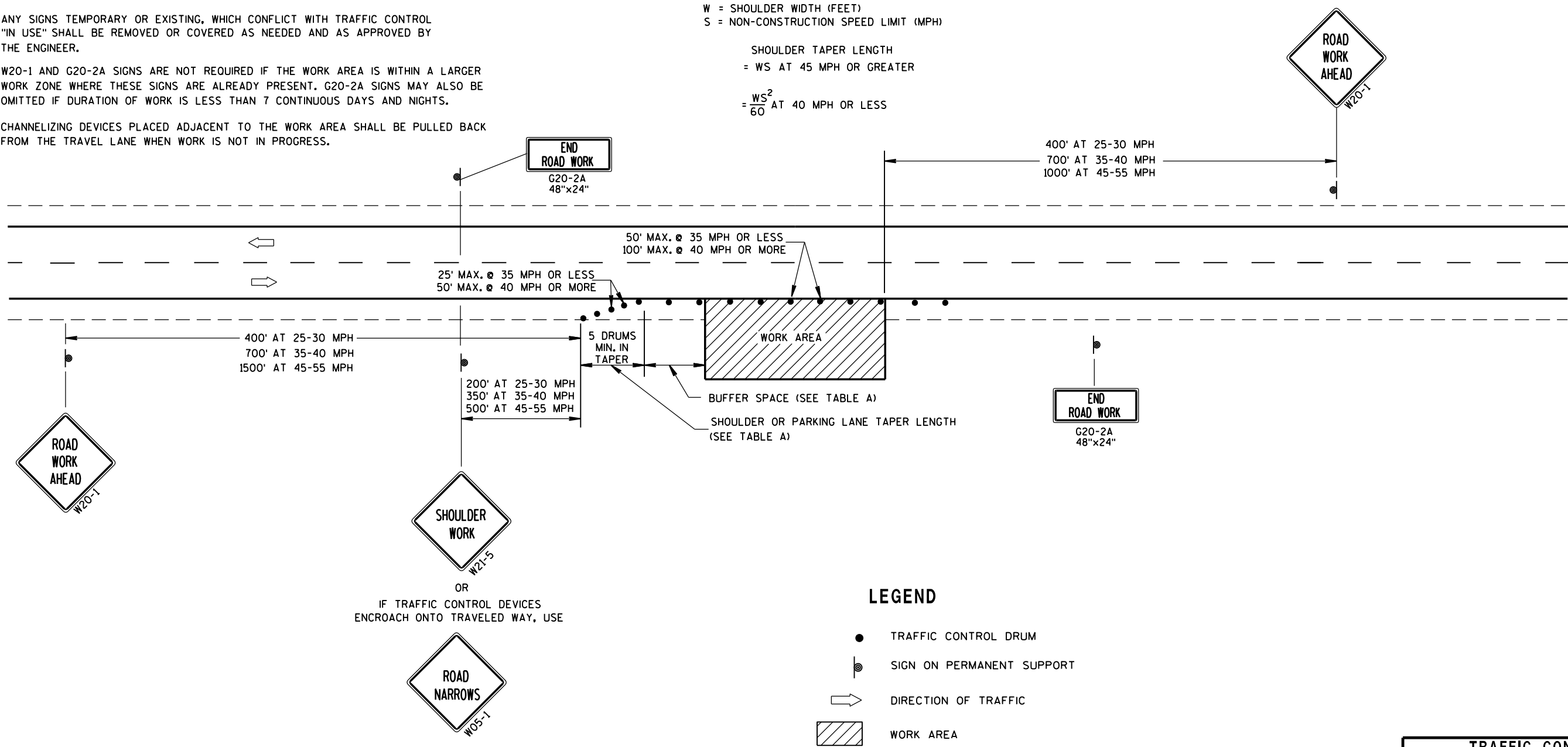
TABLE A

SHOULDER TAPER LENGTH (FEET)					BUFFER SPACE (FEET)
S \ W	4	6	8	10	
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
= WS AT 45 MPH OR GREATER

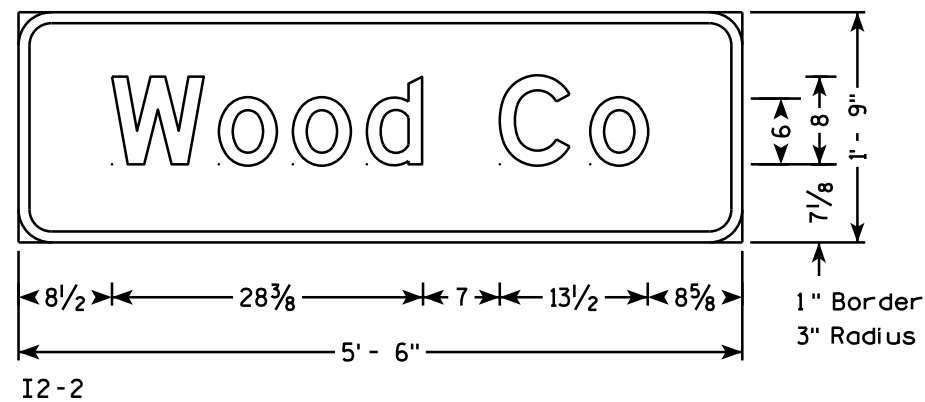
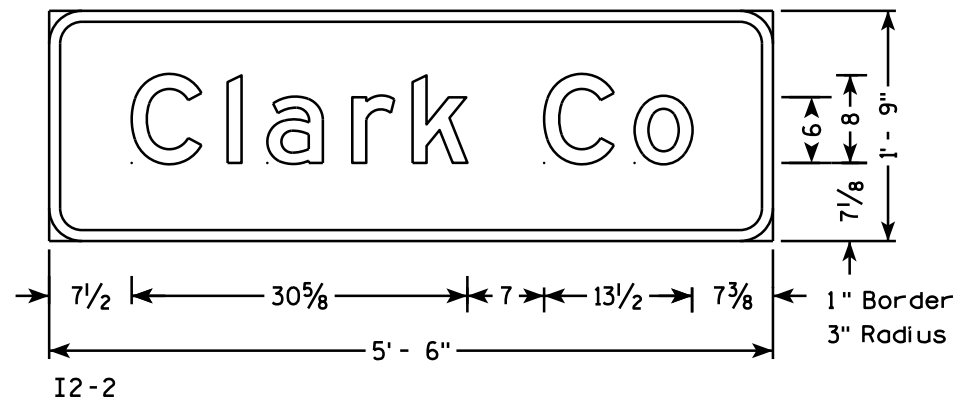
= $\frac{WS^2}{60}$ AT 40 MPH OR LESS



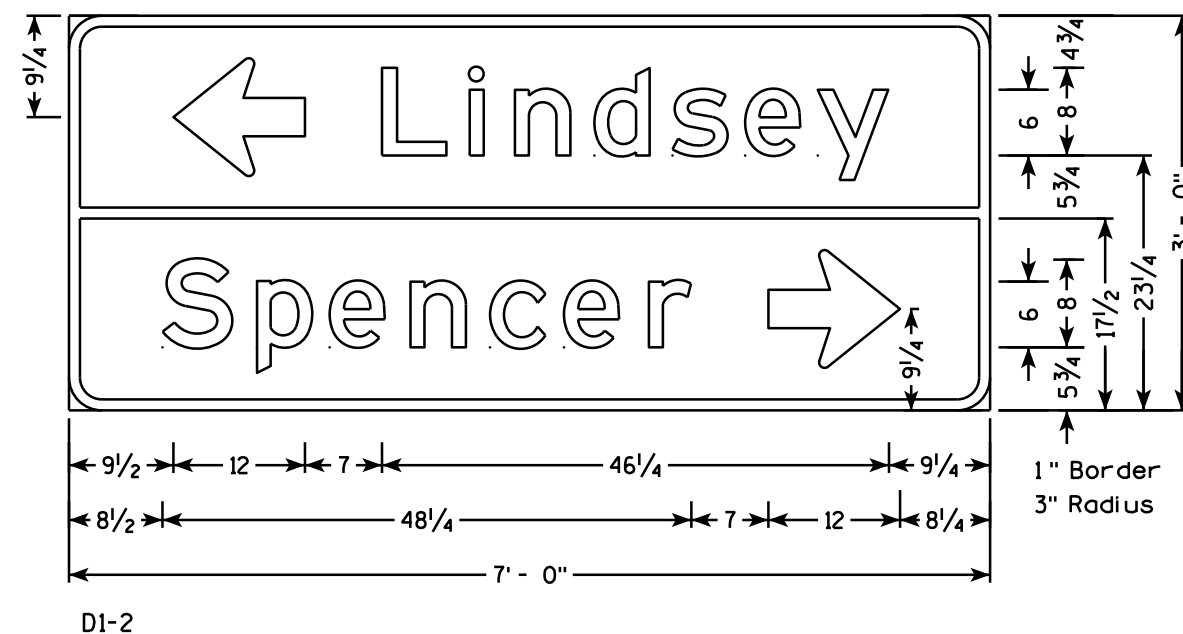
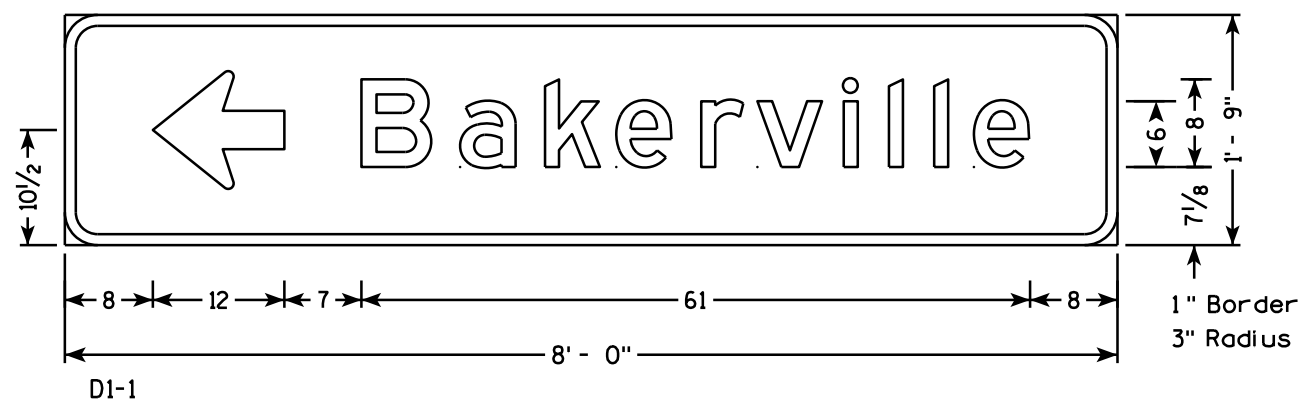
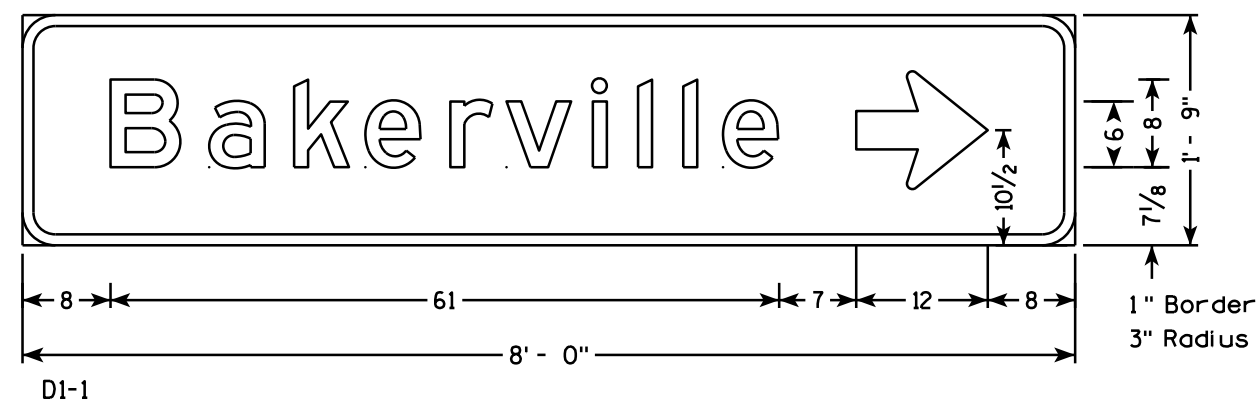
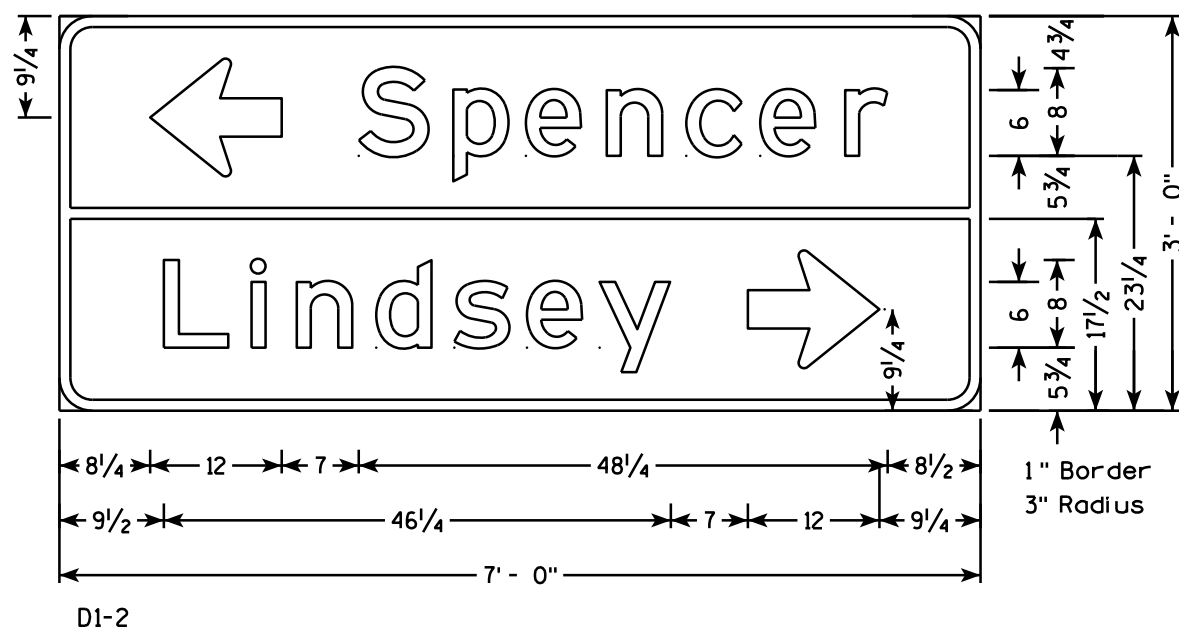
LEGEND

- TRAFFIC CONTROL DRUM
- ⦿ SIGN ON PERMANENT SUPPORT
- ➡ DIRECTION OF TRAFFIC
- ▨ WORK AREA

TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 8/2013 DATE	/S/ Travis Feltes STATE TRAFFIC ENGINEER OF DESIGN
FHWA	

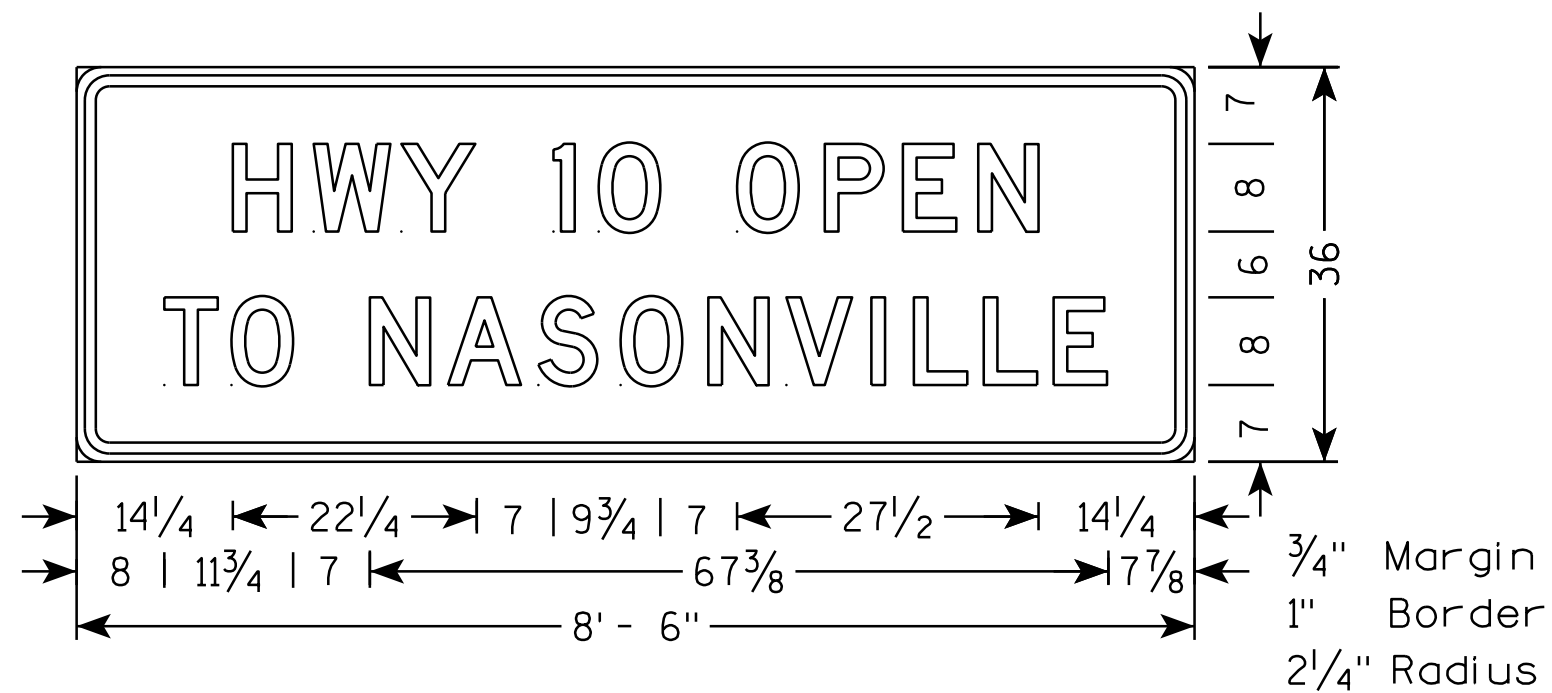


- NOTES**
1. All Signs Type II - Type H Reflective
 2. Color:
Background - GREEN
Message - WHITE
 3. Message Series - E

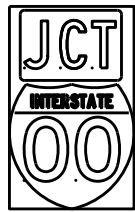


NOTES

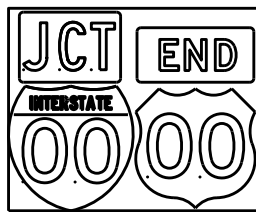
1. Sign is Type II - Type F Reflective
2. Color:
Background - ORANGE
Message - BLACK
3. Message Series - D



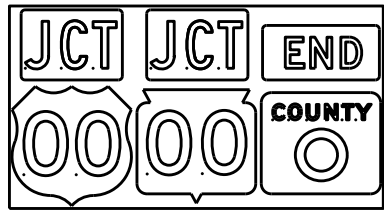
TYPICAL ASSEMBLIES



J1-1



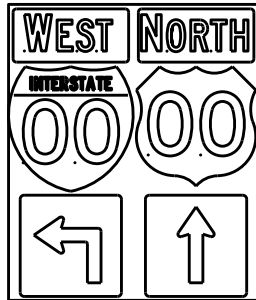
J1-2



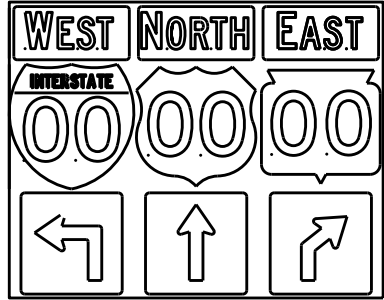
J1-3



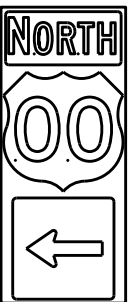
J2-1



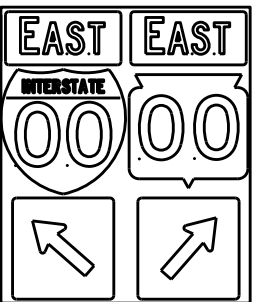
J2-2



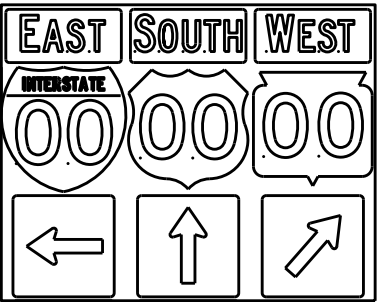
J2-3



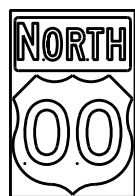
J3-1



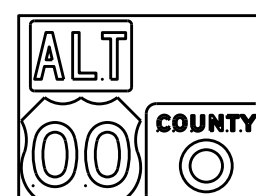
J3-2



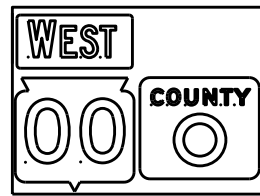
J3-3



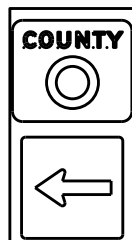
J4-1



J4-2



J4-2



J13-1



J12-1



J32-1



J33-1



J23-1

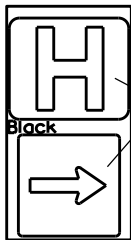


J22-1



JV

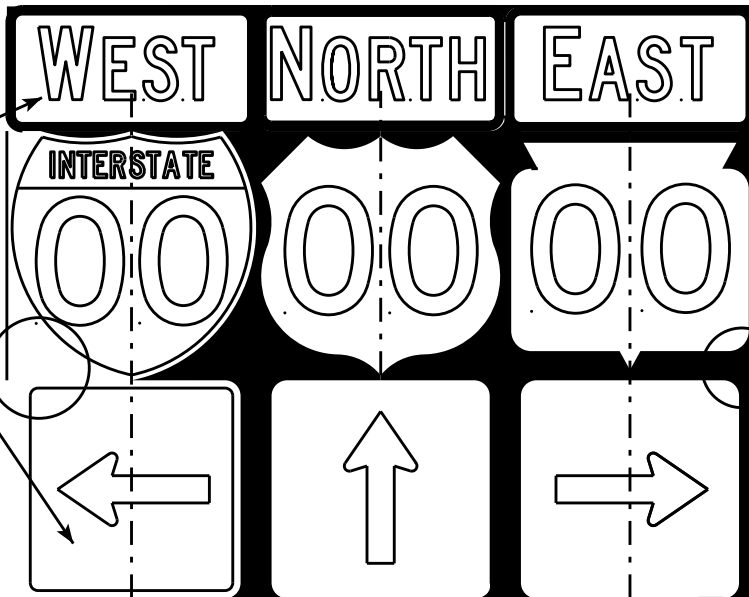
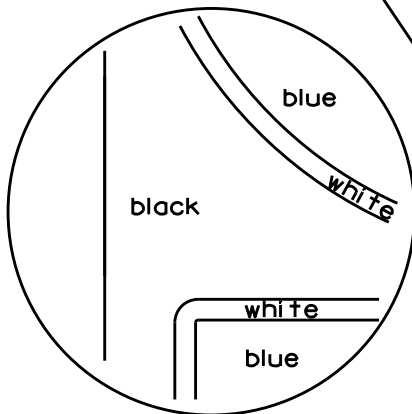
(Typical Vertical J-Assembly
See Note 10 and 11)



JH-1

Blue Background

[blue background
with interstate]



[black background]

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

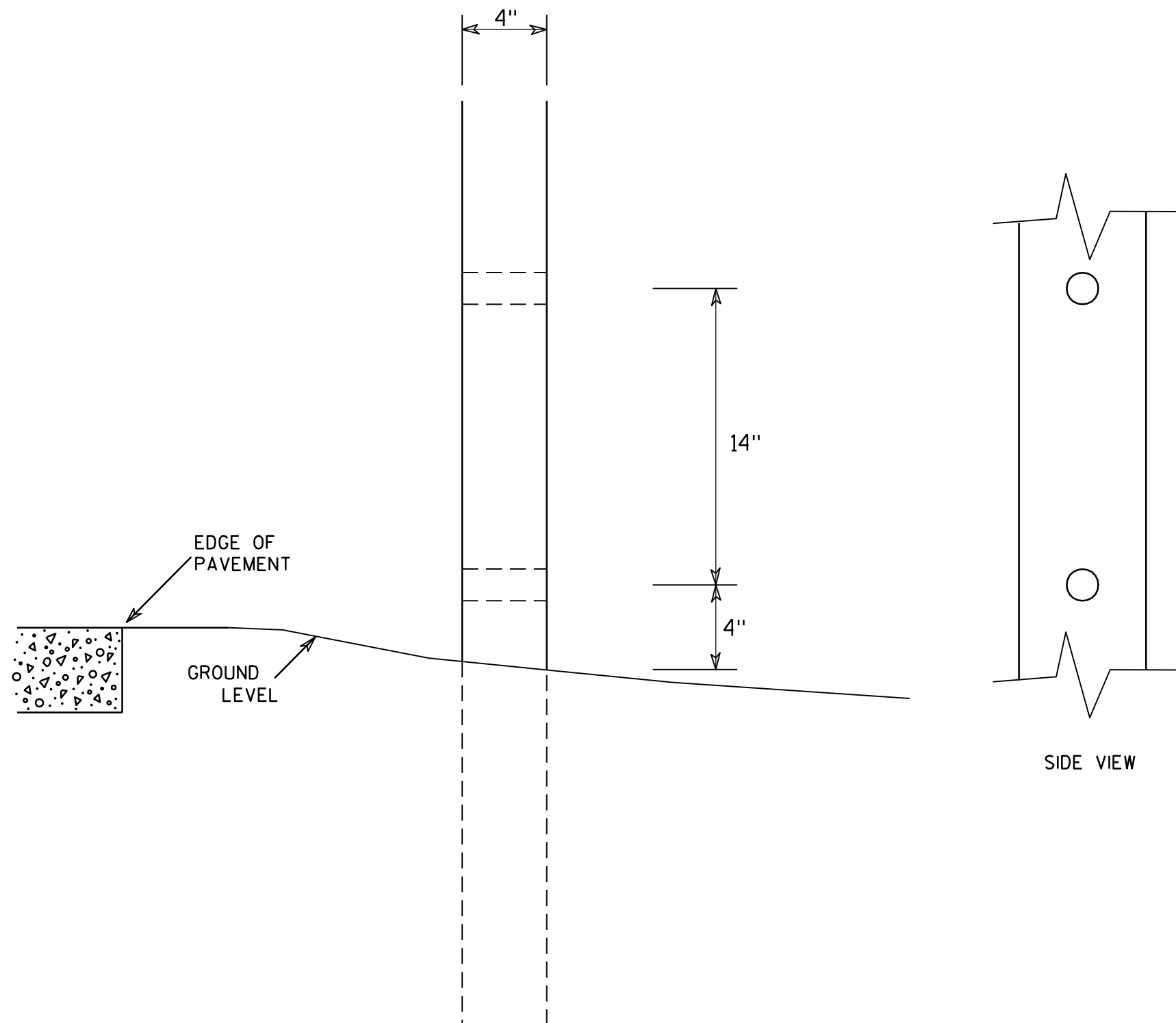
APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 2/06/14 PLATE NO. A2-1S.8

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 or rounded if base material is plywood. If base material is metal the corners shall be rounded.
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 inches (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
10. All Vertical J Assemblies are given a Sign Code of JV
11. For JV Assemblies that have a mixture of Interstate and non Interstate shields, arrows and cardinals shall be white on blue.

7



GENERAL NOTES

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

7

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Chester J. Spang
for State Traffic Engineer

DATE 3/27/97

PLATE NO. A4-11.2

PROJECT NO:

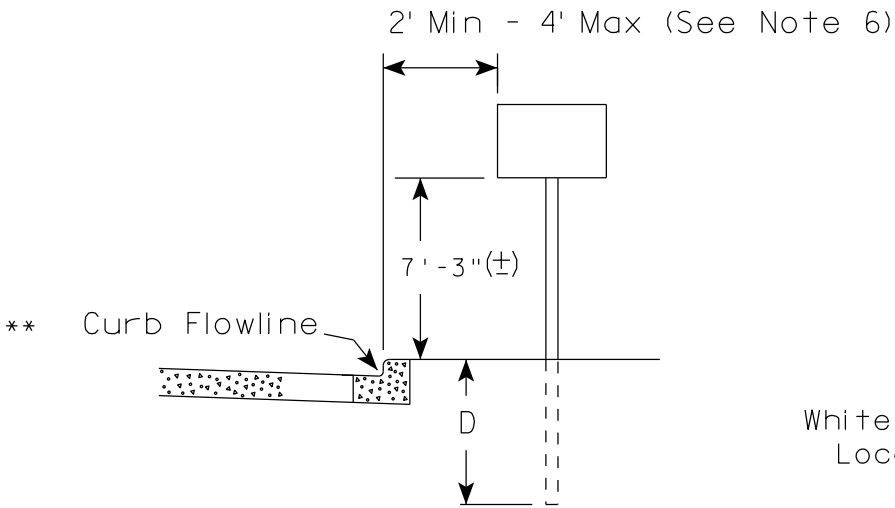
HWY:

COUNTY:

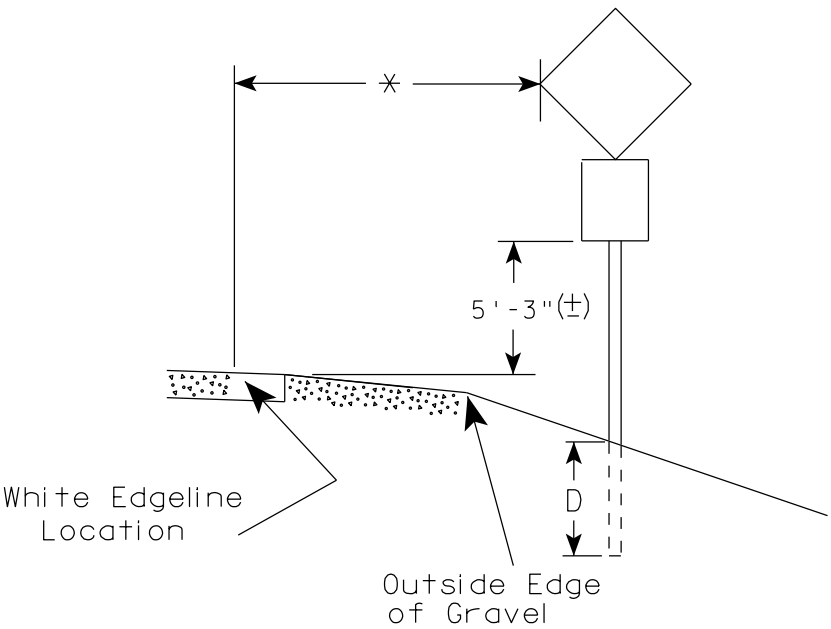
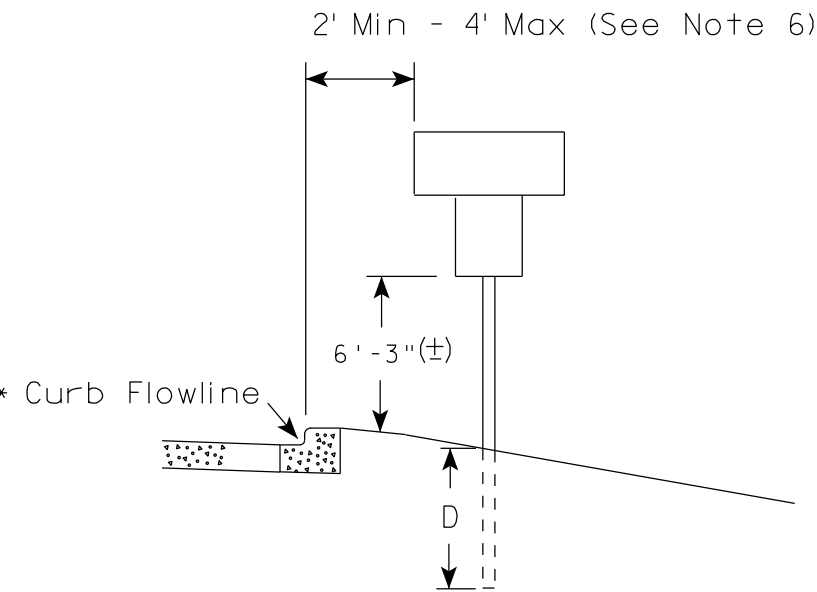
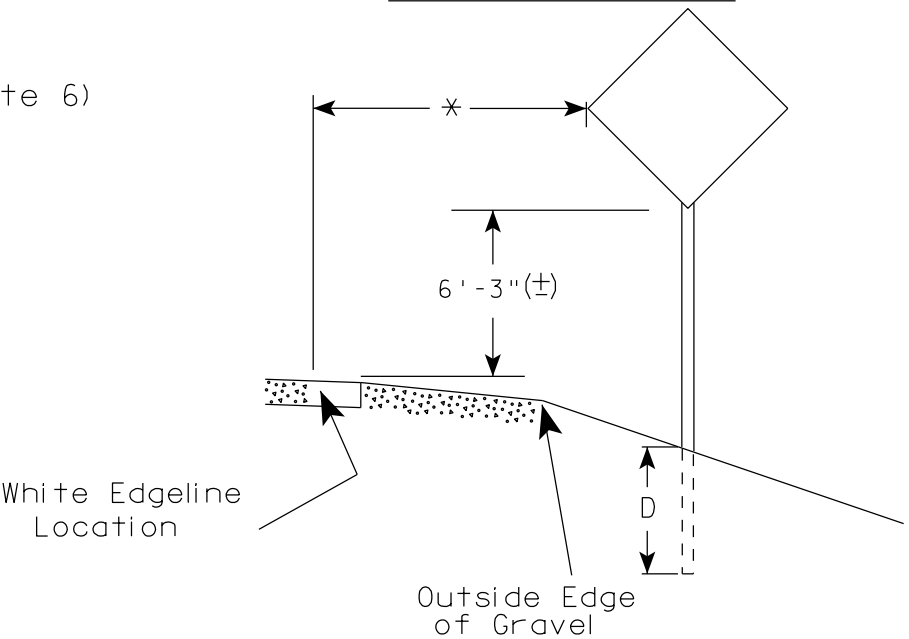
SHEET NO:

E

URBAN AREA



RURAL AREA (See Note 2)



GENERAL NOTES

1. Signs wider than 4 feet, 20 sq.ft or larger, 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), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series) & End of Rod Markers (W5-56 & W5-56A) shall be mounted at a height of 4'-3" (±).

POST EMBEDMENT DEPTH

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

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

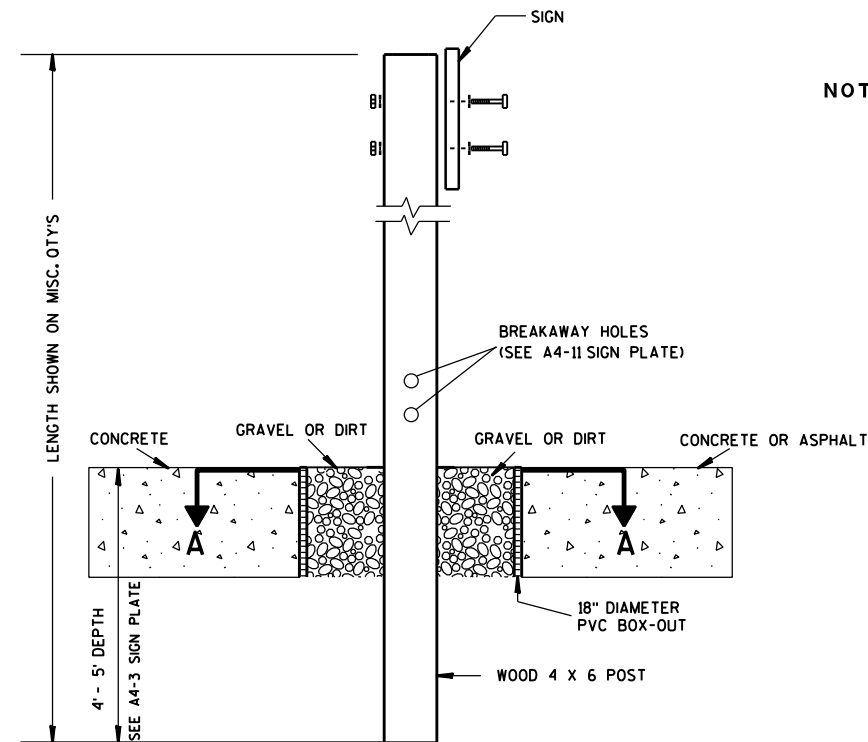
* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

TYPICAL INSTALLATION
OF PERMANENT TYPE II
SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED
Matthew R. Rauch
for State Traffic Engineer

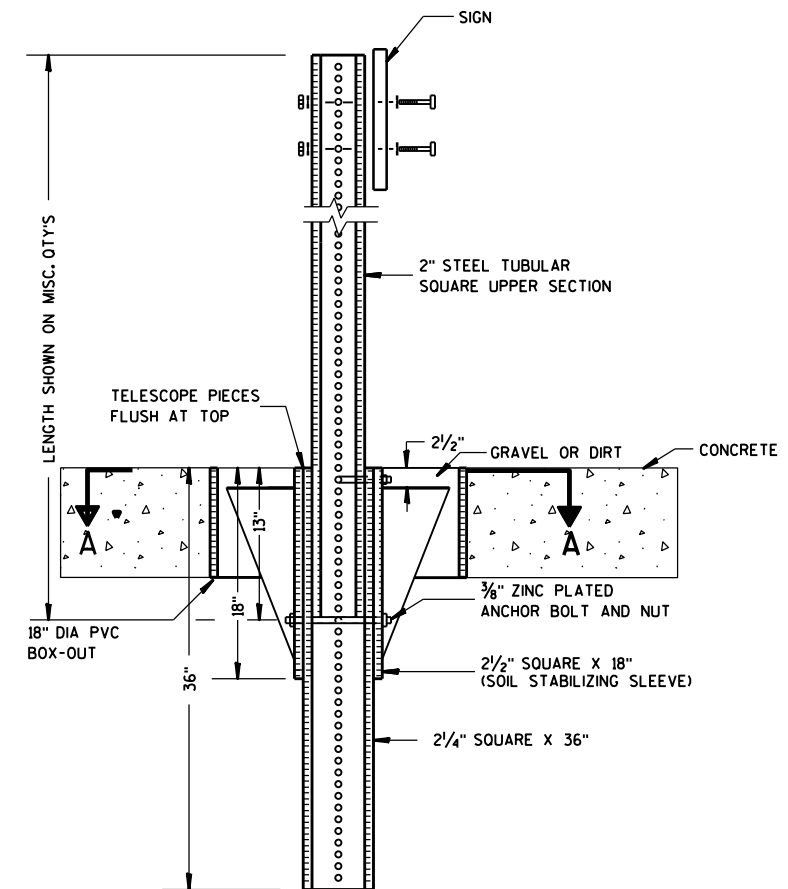
DATE 9/30/13 PLATE NO. A4-3.18



ELEVATION VIEW

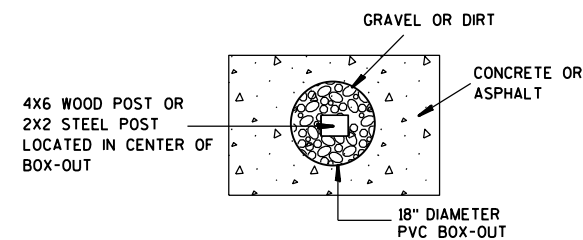
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

- NOTES: 1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST
BOX-OUTS
A4-3B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

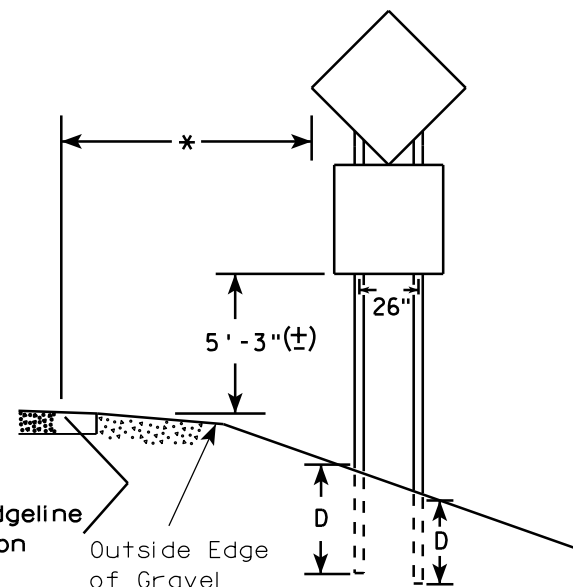
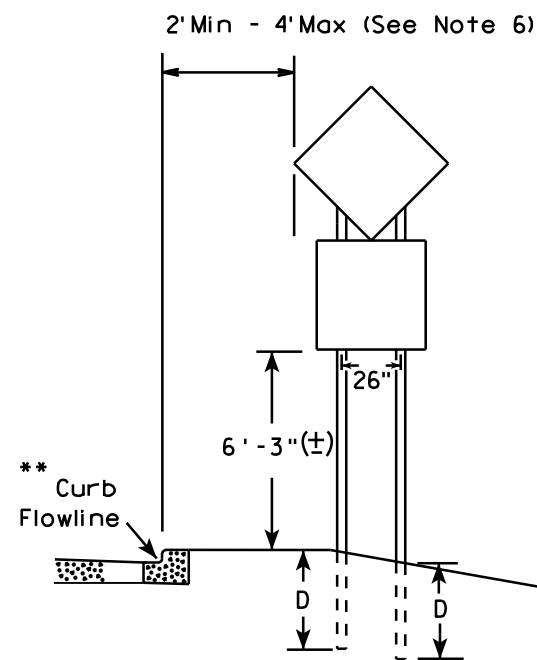
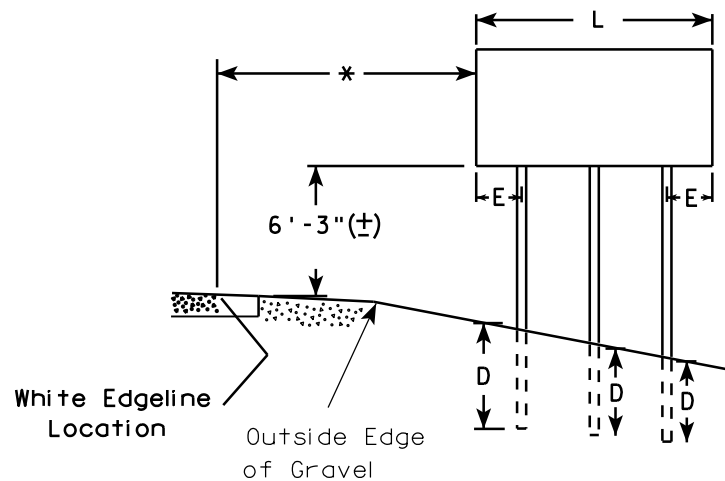
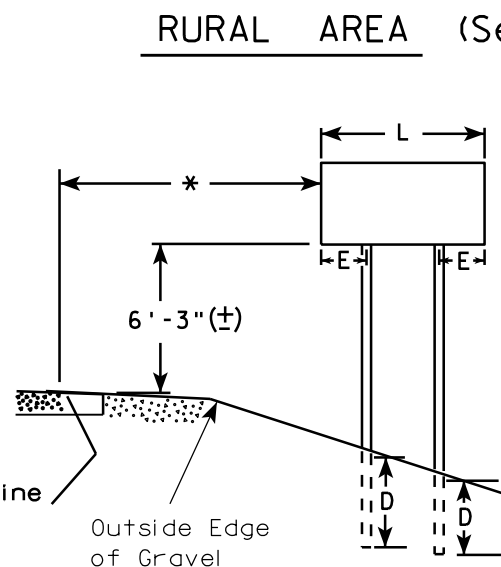
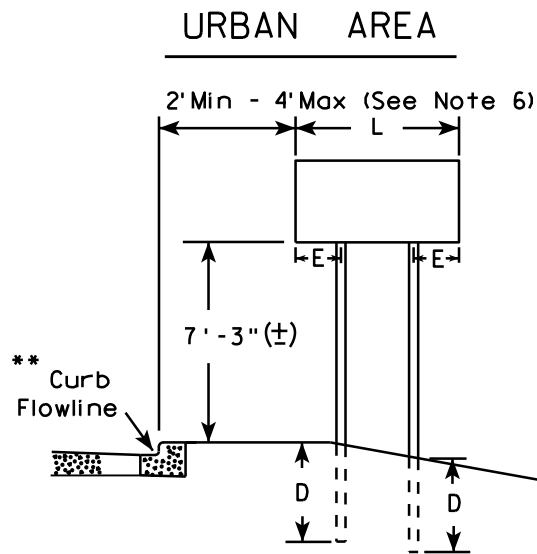
PROJECT NO:

HWY:

COUNTY:

SHEET NO:

E



48" DIAMOND WARNING SIGN

48" DIAMOND WARNING SIGN

GENERAL NOTES

1. For 3 or 4 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 less than 20 S.F. in area.

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

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

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

POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION
OF TYPE II SIGNS
ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 4/29/14 PLATE NO. A4-4.13

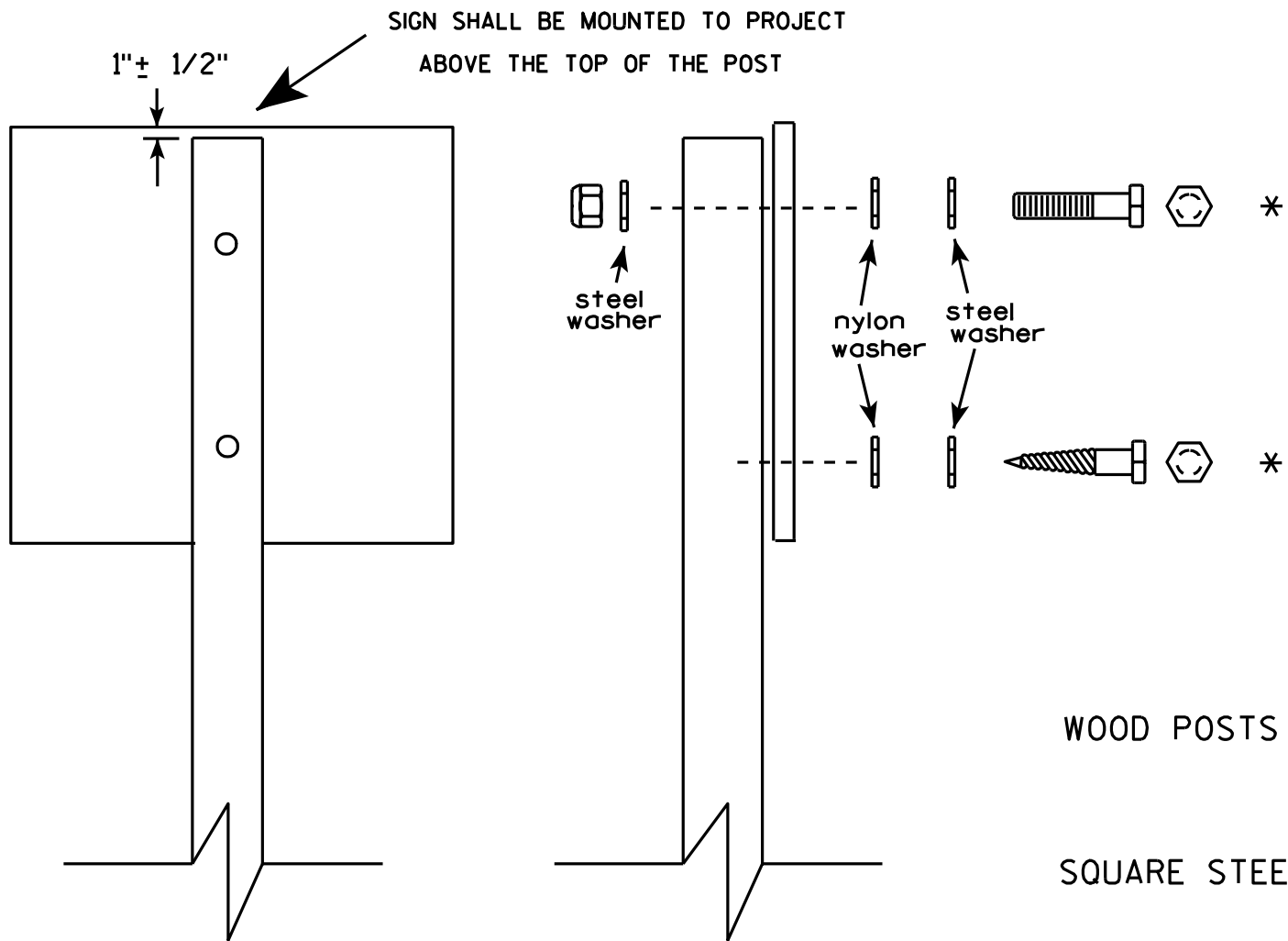
PROJECT NO:

HWY:

COUNTY:

SHEET NO:

E

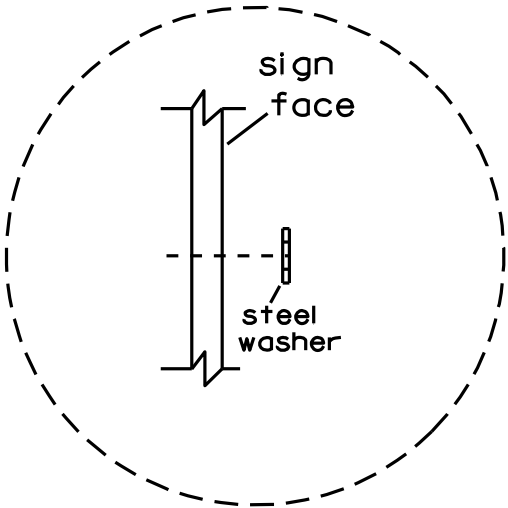


Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

- 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 - $\frac{3}{8}$ " X 3"
- MACHINE BOLTS - $\frac{5}{16}$ " X 6-1/2" or 7" Length w/ nuts
- SQUARE STEEL POSTS (2" x 2")
- MACHINE BOLTS - $\frac{3}{8}$ " X 3-1/4" Length w/ nuts
- RIVETS - $\frac{9}{32}$ " (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 $\frac{3}{8}$ " I.D. X $\frac{1}{16}$ " STEEL
- 1-1/4" O.D. X $\frac{3}{8}$ " I.D. X .080 NYLON for all Type H signs.

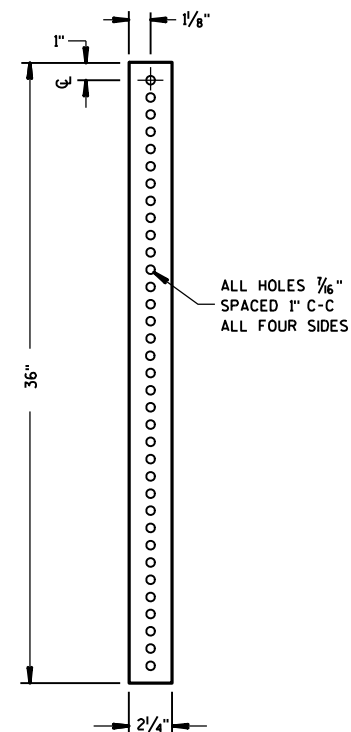


Washer Placement when Sign Has Other Than Type H or Type F Face

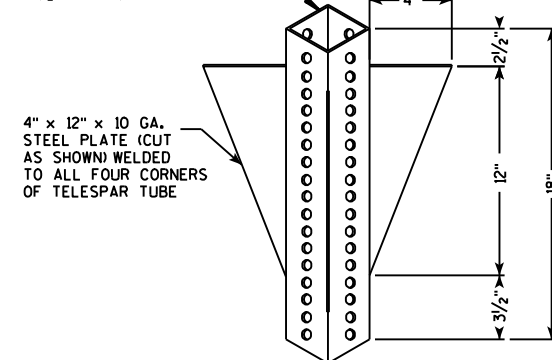
* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require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

ATTACHMENT OF SIGNS TO POSTS	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	<i>Matthew R. Rauch</i> For State Traffic Engineer
DATE 3/23/10	PLATE NO. A4-8.7

**2 1/4" SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH**



2 1/2" or 2 1/4" TELESPAR TUBE



LENGTH SHOWN ON MISC. QTY'S

2" STEEL TUBULAR SQUARE UPPER SECTION

ALL HOLES $\frac{7}{16}$ " SPACED 1" C-C ALL FOUR SIDES

TELESCOPE PIECES FLUSH AT TOP

18" DIA PVC BOX-OUT

13"

18"

36"

SIGN

SEE SIGN PLATE A4-8 FOR BOLT WASHER, & NUT MATERIAL

$\frac{3}{8}$ " ZINC PLATED CORNER ANCHOR BOLT AND NUT

$2\frac{1}{2}$ " GRAVEL OR DIRT

$\frac{3}{8}$ " ZINC PLATED ANCHOR BOLT AND NUT

$2\frac{1}{2}$ " SQUARE X 18" (SOIL STABILIZING SLEEVE)

$2\frac{1}{4}$ " SQUARE X 36"

LENGTH SHOWN ON MISC. QTY'S

TELESCOPE PIECES FLUSH AT TOP

1"

12"

18"

36"

2" STEEL TUBULAR SQUARE UPPER SECTION

ALL HOLES $\frac{7}{16}$ " SPACED 1" C-C ALL FOUR SIDES

$\frac{3}{8}$ " ZINC PLATED CORNER ANCHOR BOLT AND NUT

1"

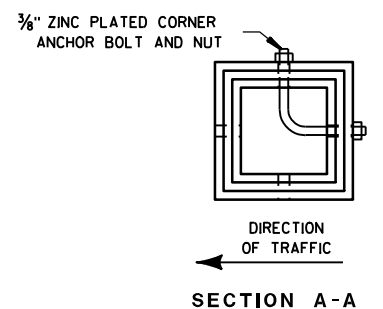
$\frac{3}{8}$ " ZINC PLATED ANCHOR BOLT AND NUT

$2\frac{1}{2}$ " SQUARE X 18" (SOIL STABILIZING SLEEVE)

$2\frac{1}{4}$ " SQUARE X 36"

SEE SIGN PLATE A4-8 FOR BOLT WASHER, & NUT MATERIAL

SIGN



Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

DATE 5/30/12 PLATE NO. A4-9.7

PROJECT NO:

HWY:

COUNTY:

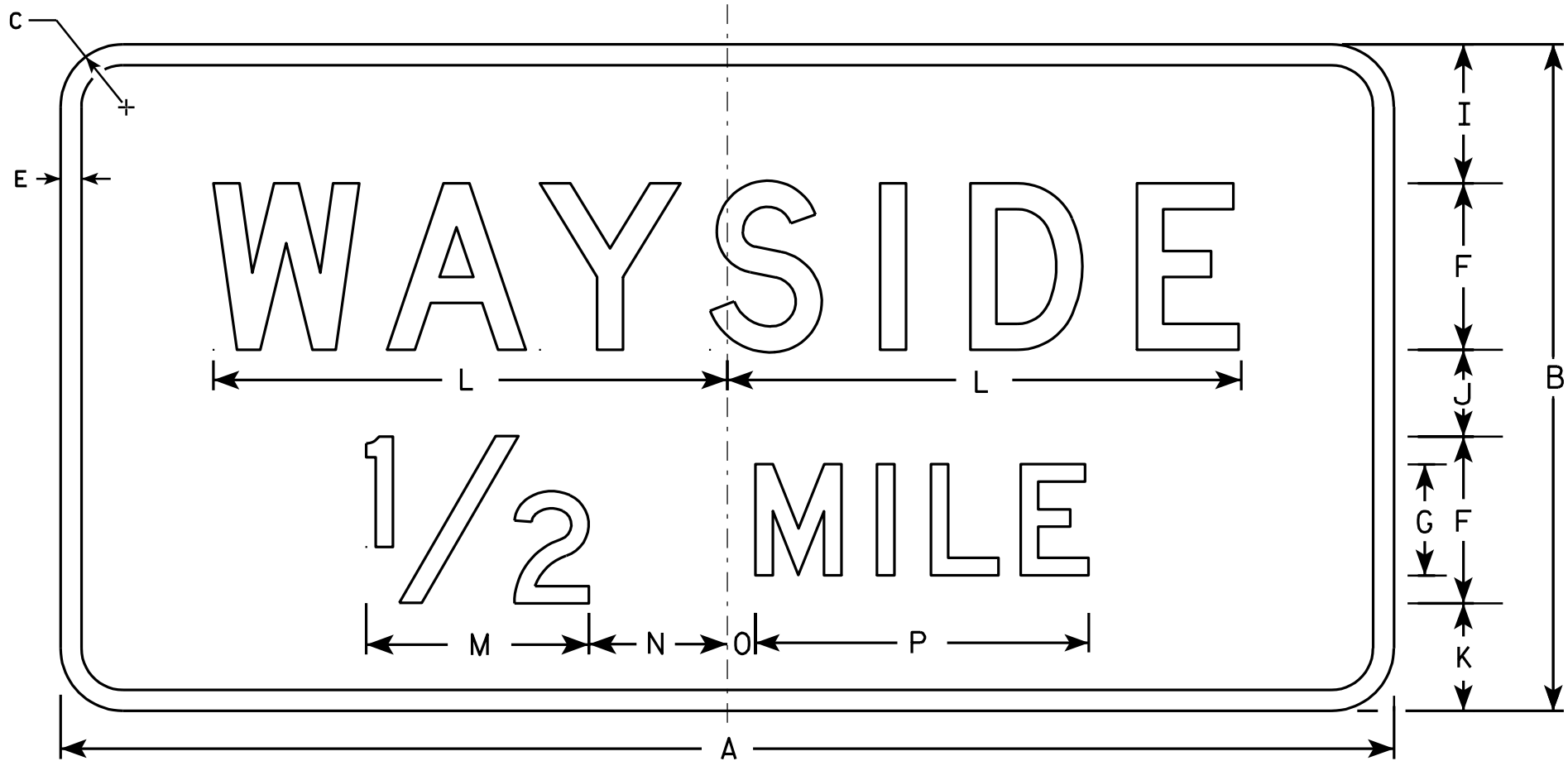
SHEET NO:

E

58, 59, 60, 61, 62, 63

7

LEVELS ON - 2, 3, 5, 6, 10,



D5-61

Metric equivalent
for this sign is:

SIZE	
1	
2	1200 mm X 600 mm
3	
4	1950 mm X 1050 mm
5	

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z		
1																												
2	48	24	2 1/4		3/4	6	4	6	5	3 1/8	3 7/8	18 1/2	8	5	1	12											8.0	0.72
3																												
4	78	42	3		1	10	7	10 1/2	8 3/4	5 3/4	7	30 1/8	14	8 3/4	1 3/4	21											22.8	2.05
5																												

STATE PROJECT NUMBER:

FILE NAME : D:\Users\Projects\tr_stdplate\D561.DGN

PLOT DATE : 09-JAN-2002 13:01

ORG DATE : 7/24/97

Originator : Don Kluever

STANDARD SIGN
D5-61

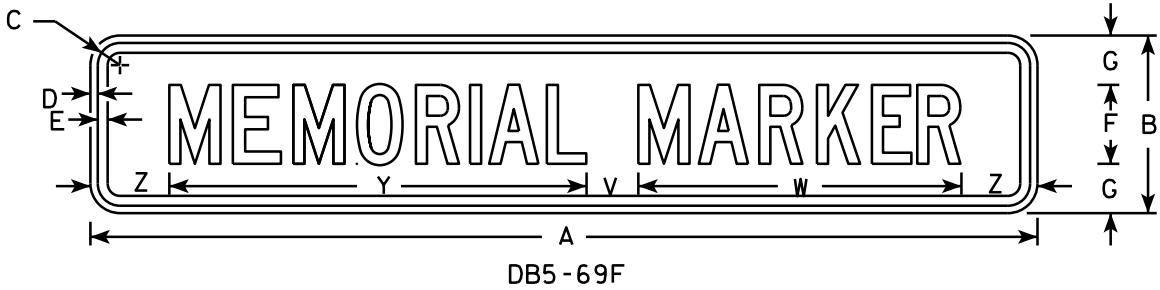
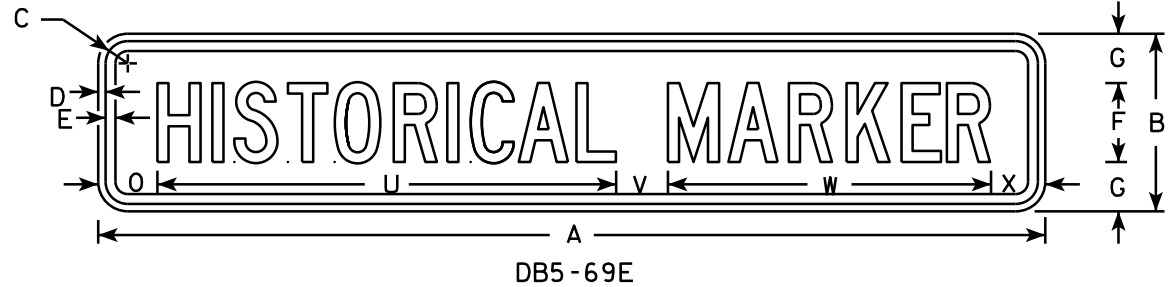
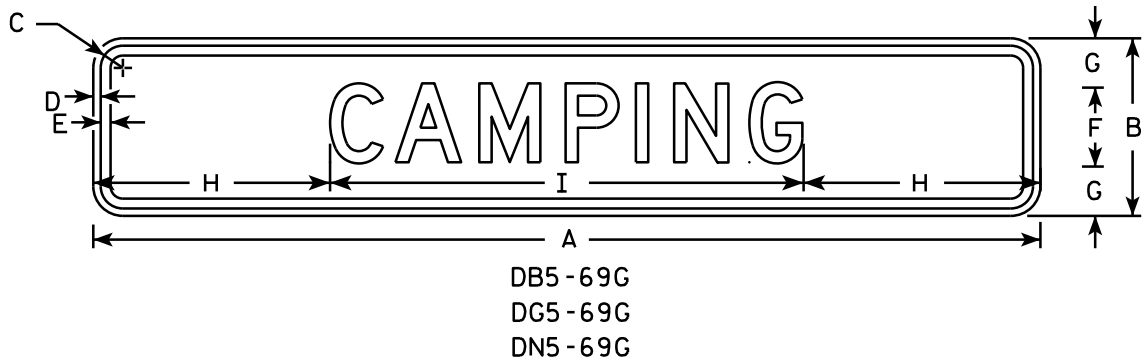
WISCONSIN DEPT OF TRANSPORTATION
APPROVED
Charles J. Spang
for State Traffic Engineer
DATE 1/09/02 PLATE NO. D5-61.9

SHEET NO:

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 - Blue
Message - White
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.



NOTES

- Signs are Type II - Type H Reflective
- Color:
Background - See Note 4
Message - White - Type H Reflective
- 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.
- DB5-69B
DB5-69E
DB5-69F
DB5-69G
DG5-69B
DG5-69G
DN5-69B
DN5-69G
Background BLUE
Background GREEN
Background BROWN
- Message Series - All signs are Series D except for DB5-69E & DB5-69F which are 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	48	9	1 1/8	3/8	1/2	4	2 1/2	12	24	5 3/4	12 1/4	2 3/4	22	5 1/4	3			4 1/2	19 1/2	4 1/4	23 1/4	2 5/8	16 3/8	2 7/8	21	2	3.0
2	48	9	1 1/8	3/8	1/2	4	2 1/2	12	24	5 3/4	12 1/4	2 3/4	22	5 1/4	3			4 1/2	19 1/2	4 1/4	23 1/4	2 5/8	16 3/8	2 7/8	21	2	3.0
3																											
4																											
5																											

STANDARD SIGN
DB5-69 & DG5-69
& DN5-69 Series

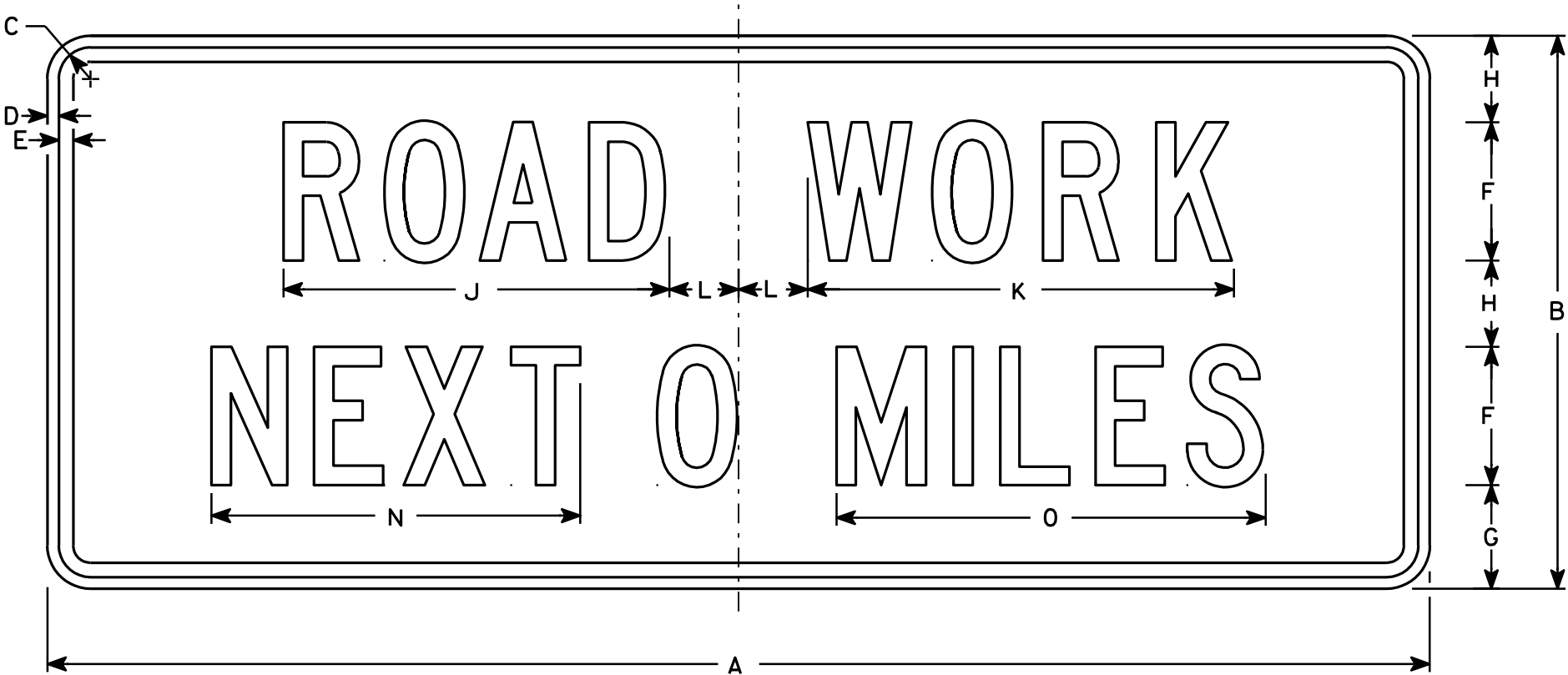
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 10/15/04 PLATE NO. DB5-69.5

NOTES

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



G20-1

Metric equivalent
for this sign is:

SIZE	
1	
2	1500 mm X 600 mm
3	
4	1500 mm X 600 mm
5	

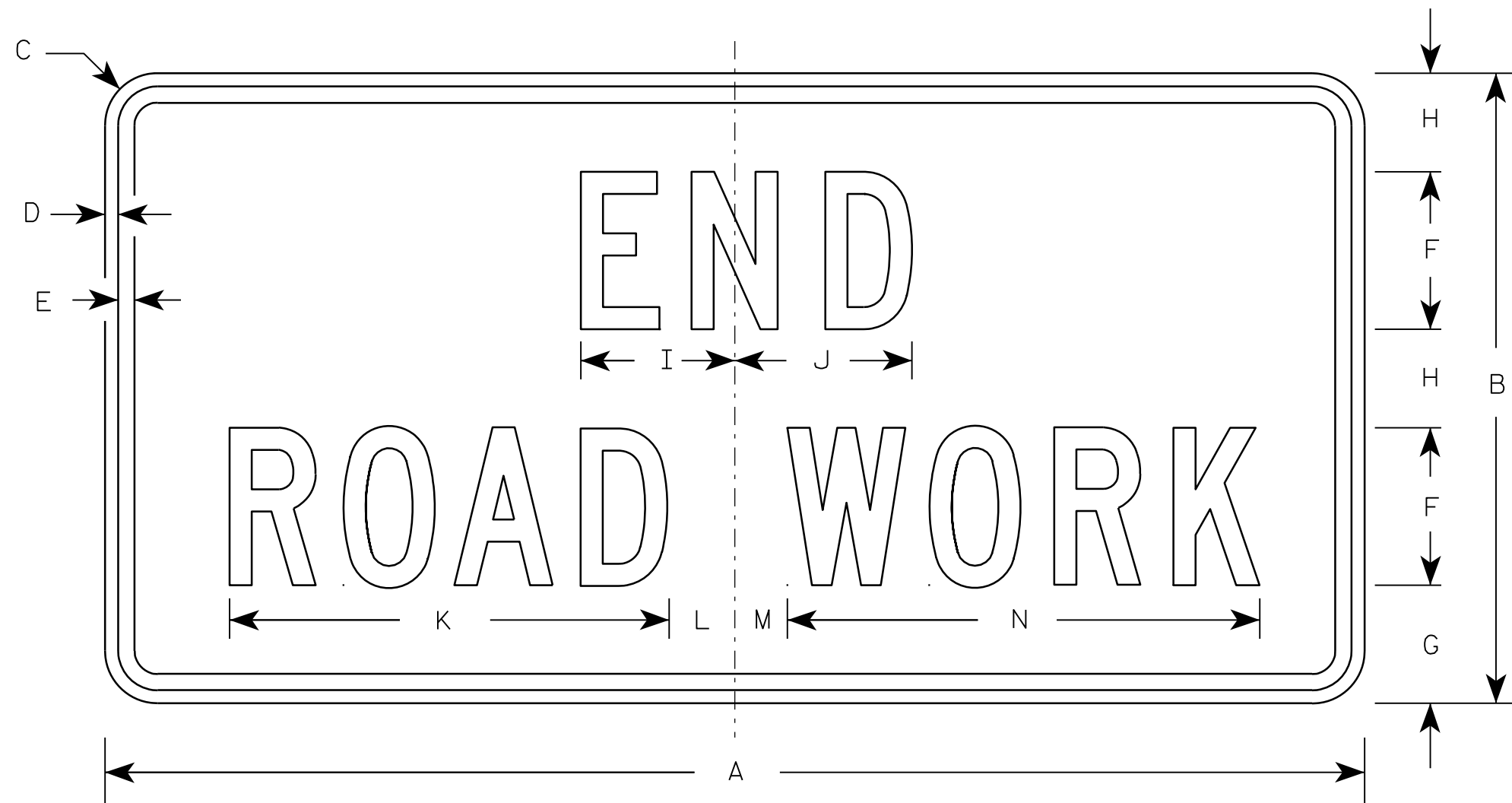
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m ²
1																												
2	60	24	1 3⁄8	1⁄2	5⁄8	6	4 1⁄2	3 3⁄4		16 3⁄4	18 1⁄2	3		16	18 5⁄8												10	.90
3																												
4	60	24	1 3⁄8	1⁄2	5⁄8	6	4 1⁄2	3 3⁄4		16 3⁄4	18 1⁄2	3		16	18 5⁄8												10	.90
5																												

STANDARD SIGN
G20-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED
Chris J. Spay
State Traffic Engineer
DATE 4/8/97 PLATE NO. G20-1.7

7



G20-2A

Metric equivalent
for this sign is:

SIZE	
1	900 mm X 450 mm
2	1200 mm X 600 mm
3	1200 mm X 600 mm
4	1200 mm X 600 mm
5	1200 mm X 600 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m ²
1	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72

NOTES

- Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- Color:
Background - Orange
Message - Black
- Message Series - C
- 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.

7

PROJECT NO:

HWY:

COUNTY:

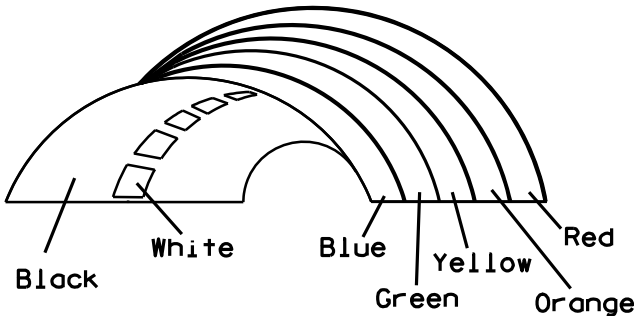
SHEET NO:

E



* VARIES

Background Colors of Symbol*



*1/4" Black Border between each color of rainbow and border of rainbow

NOTES

- 1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:
Background - White
Message - (See Note 5)
- 3. Message Series - (See Note 6)
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Border - Blue
Line 1 - Red
Line 2 - Black
Line 3-5 - Blue
- 6. Line 1 - Dutch 8011L
Line 2 - Series E
Line 3-5 - Series C
- 7. Contractor shall provide and install a new post bracket in accordance with the I55-56B sign detail.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	36	1 1/2	1/2	5/8	3	2	3 1/2	2 7/8	1	8	2 1/8	11 1/4	11 1/8	9 3/8	1 1/4		3/4	12 5/8	7 1/2							7.5
3																											
4																											
5																											

PROJECT NO:

HWY:

COUNTY:

SHEET NO:

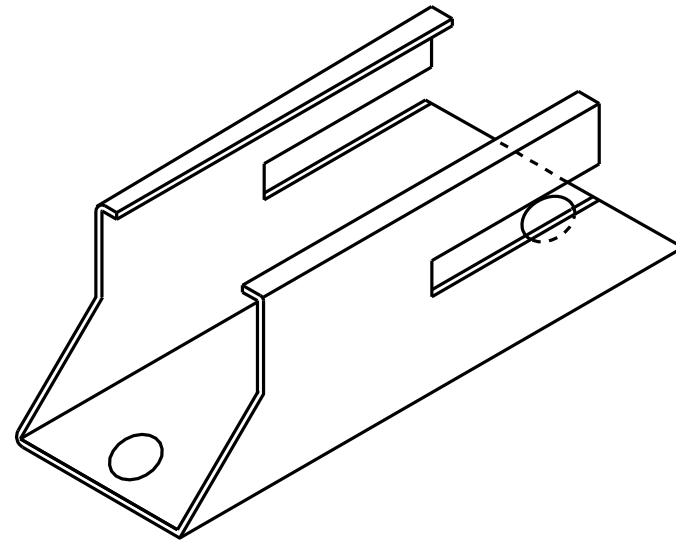
STANDARD SIGN
I55-56

WISCONSIN DEPT OF TRANSPORTATION

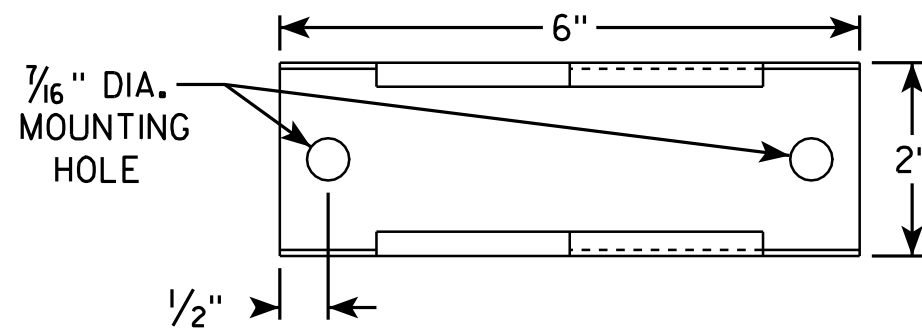
APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 4/27/11 PLATE NO. I55-56.3

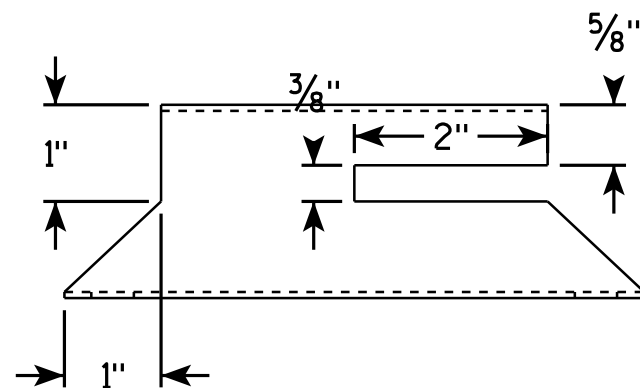
ISOMETRIC VIEW



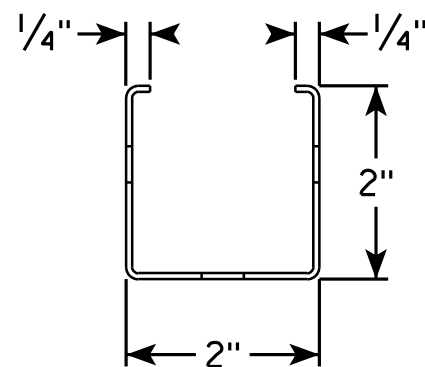
TOP VIEW



SIDE VIEW



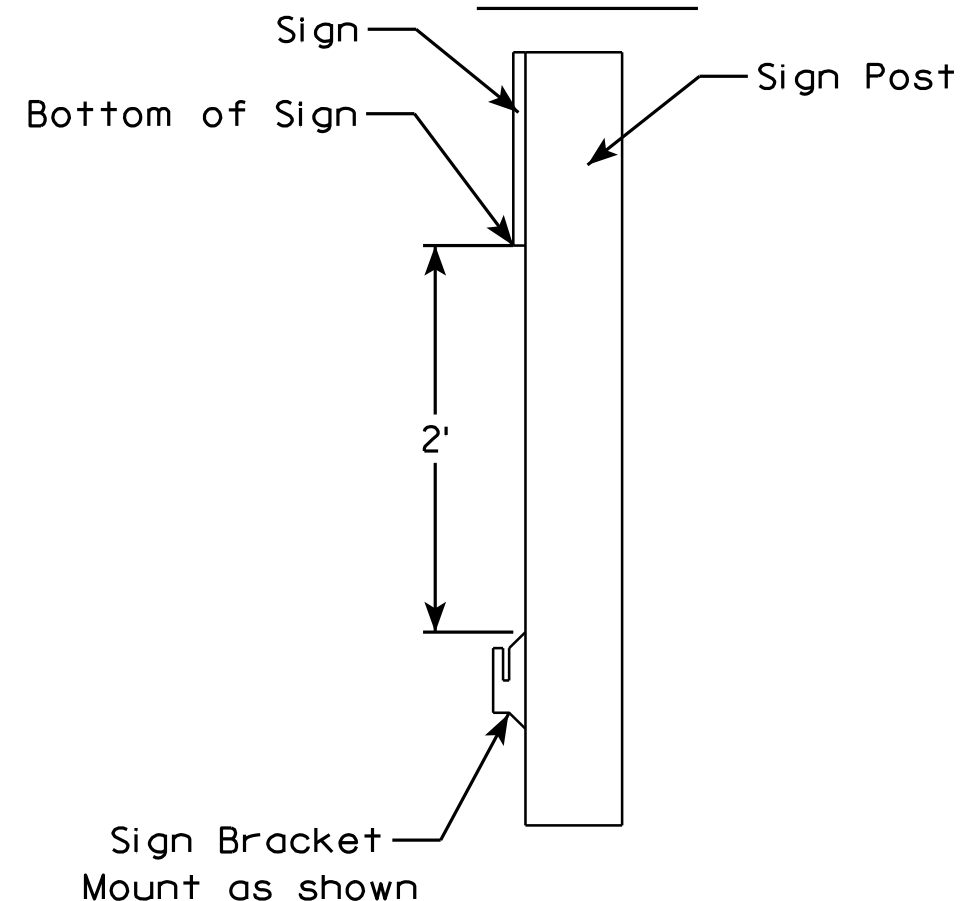
END VIEW



NOTES

1. Must be capable of permanent attachment to a wood or steel channel sign post utilizing the fastening hardware specified on the A4-8 sign plate.
2. Shall be entirely primed and painted with two coats of a black powder coated enamel paint.
3. Shall be made with 12 gauge steel, and incorporate no welds, no hinged components, no threaded lock-type components, and no parts which are loose or can be separated from the main body.
4. Shall have rounded edges with at least 1/8" radii.
5. Shall not have unrounded and uncoated metal edges which can contact the back surface of the roll-up sign.
6. Top of bracket shall be mounted 2' below the bottom of the I55-56 sign.
7. Cost of bracket and fastening hardware shall be incidental to the I55-56 sign.

SIDE VIEW



ROLLUP SIGN BRACKET
I55-56B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 2/5/10 PLATE NO. I55-56B.1

PROJECT NO:

HWY:

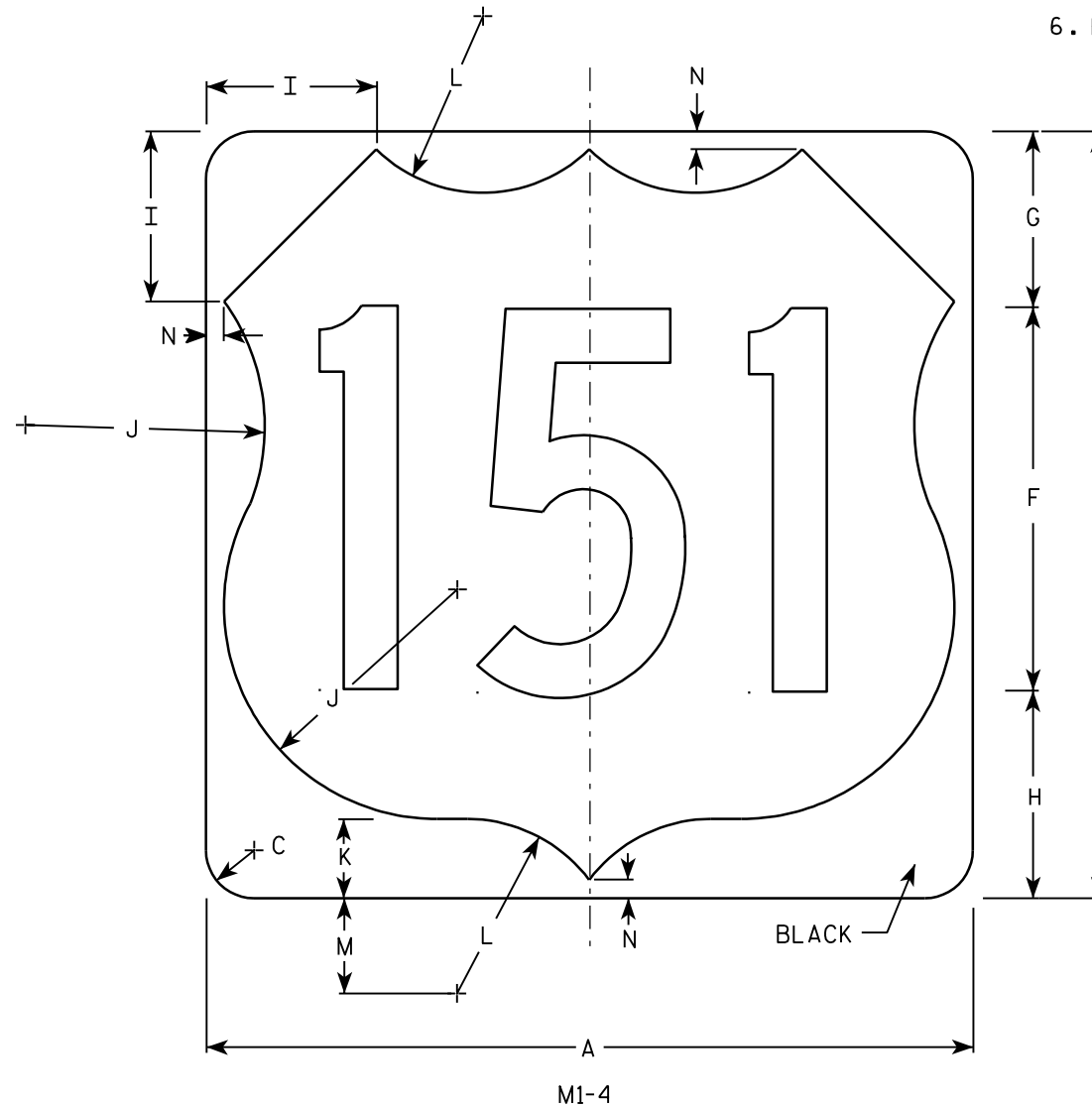
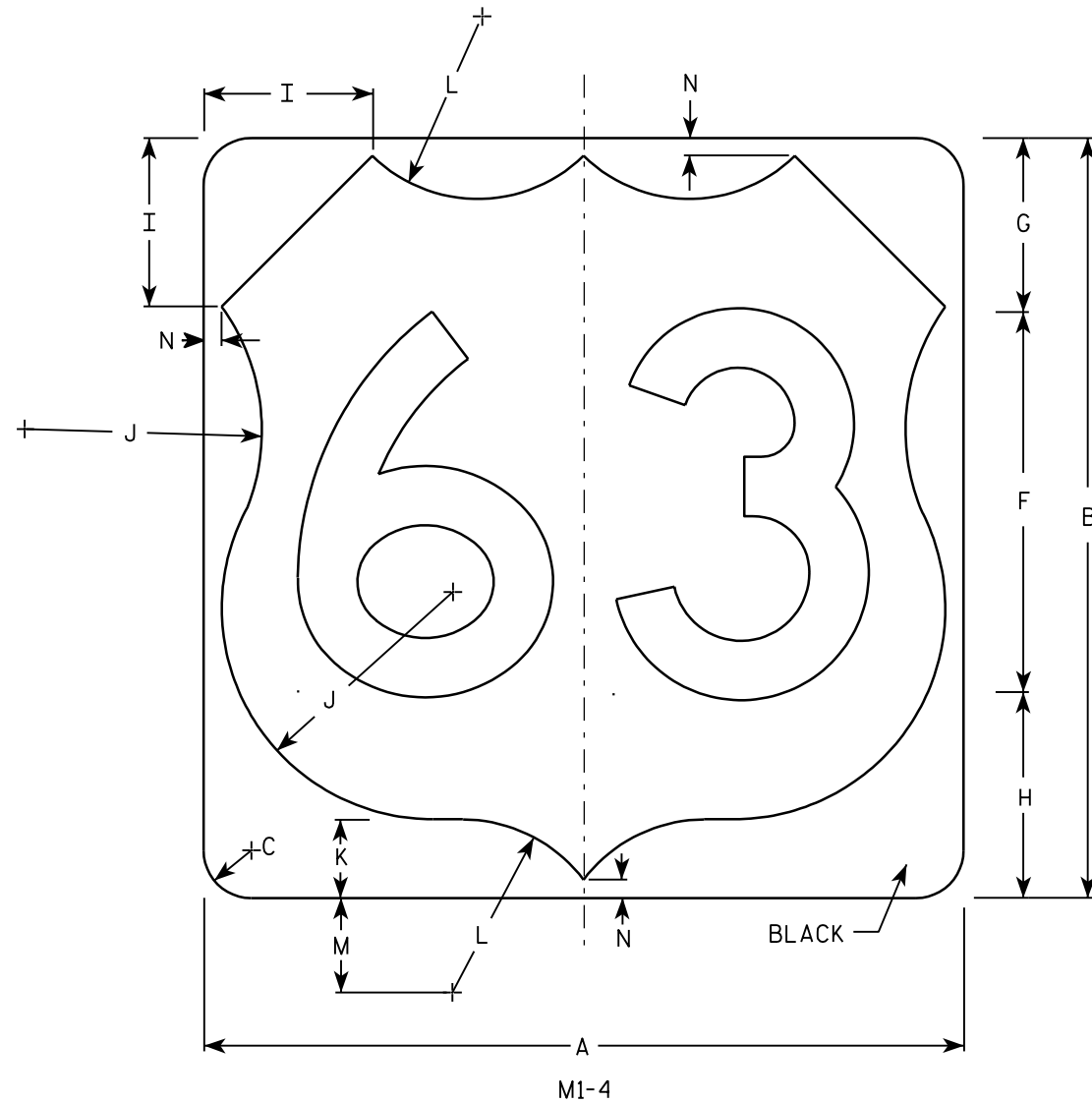
COUNTY:

SHEET NO:

E

NOTES

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



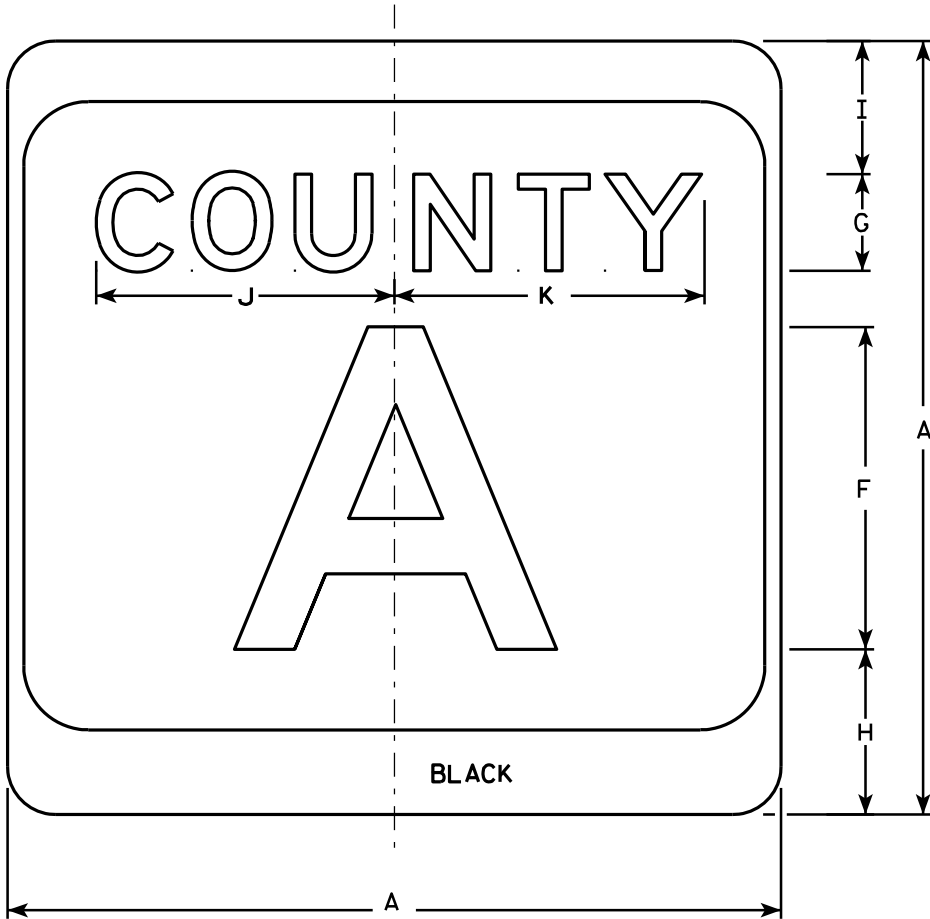
Metric equivalent
for this sign is:

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

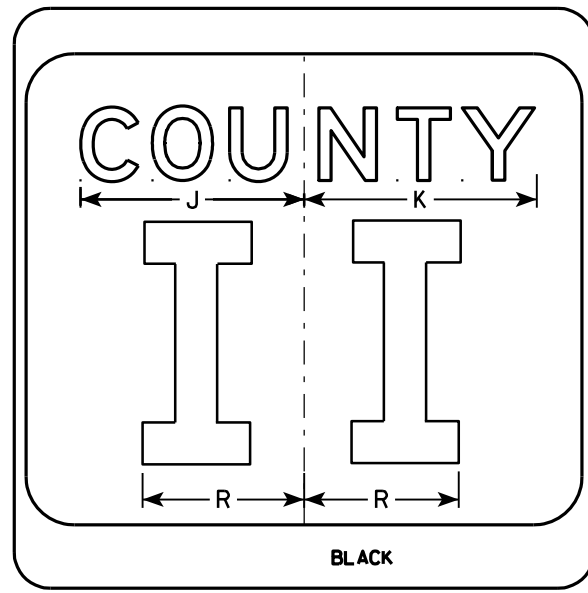
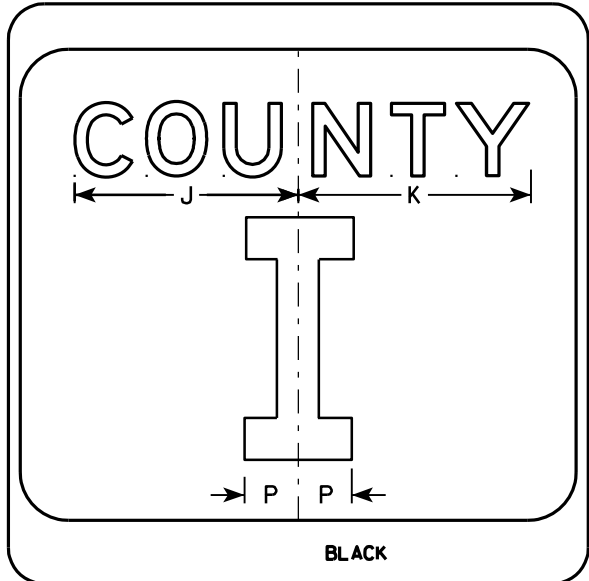
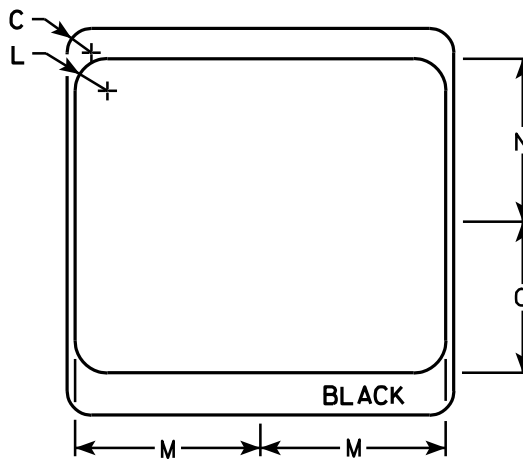
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Areq sq. ft.	Areq m ²
1																												
2	24	24	1 1/2			12	5 1/2	6 1/2	5	7 1/2	2 1/2	5 1/2	3	1/2													4.0	.36
3	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0	.81
4	36	36	2 1/4			18	8 1/4	9 1/4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

PROJECT NO: HWY: COUNTY: SHEET NO: E

7



M1-5A



NOTES

1. Sign is Type II - see Note 7 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - White & Black - See Note 7
Message - Black
3. Message Series - see Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Message Series E for 1 letter.
Message Series D for 2 letters unless message is too big then Series C.
Message Series C for 3 letters unless message is too big then Series B.
6. Substitute appropriate letters & optically center to achieve proper balance.
7. Permanent Signs
Background - Type H Reflective
Detour or temporary Signs
Background - Reflective

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
5	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0

CTH MARKER

M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 9/27/11 PLATE NO. M1-5A.8

PROJECT NO:

HWY:

COUNTY:

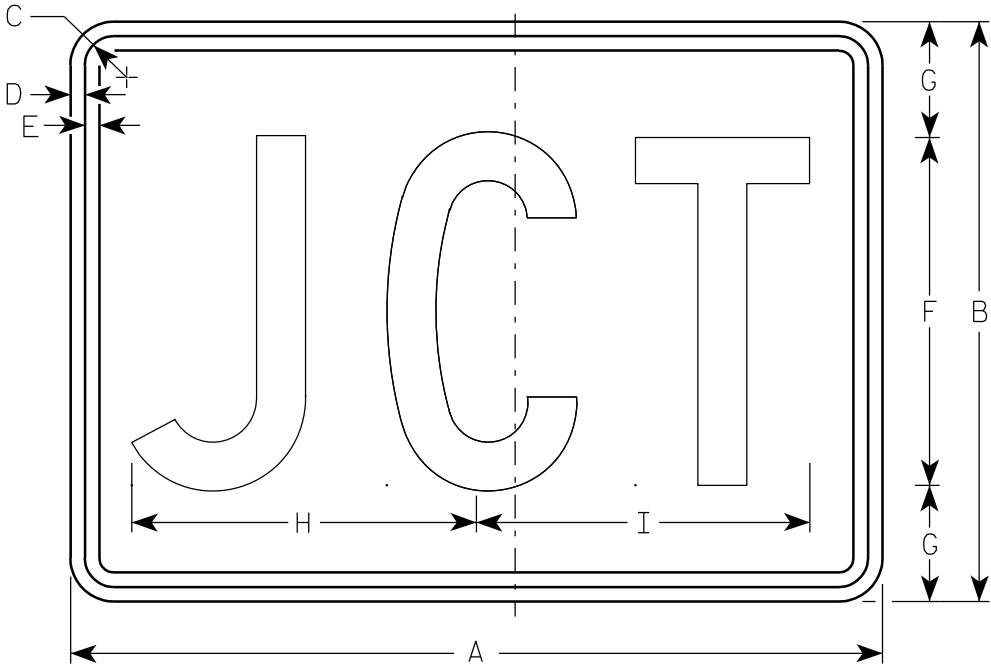
SHEET NO:

E

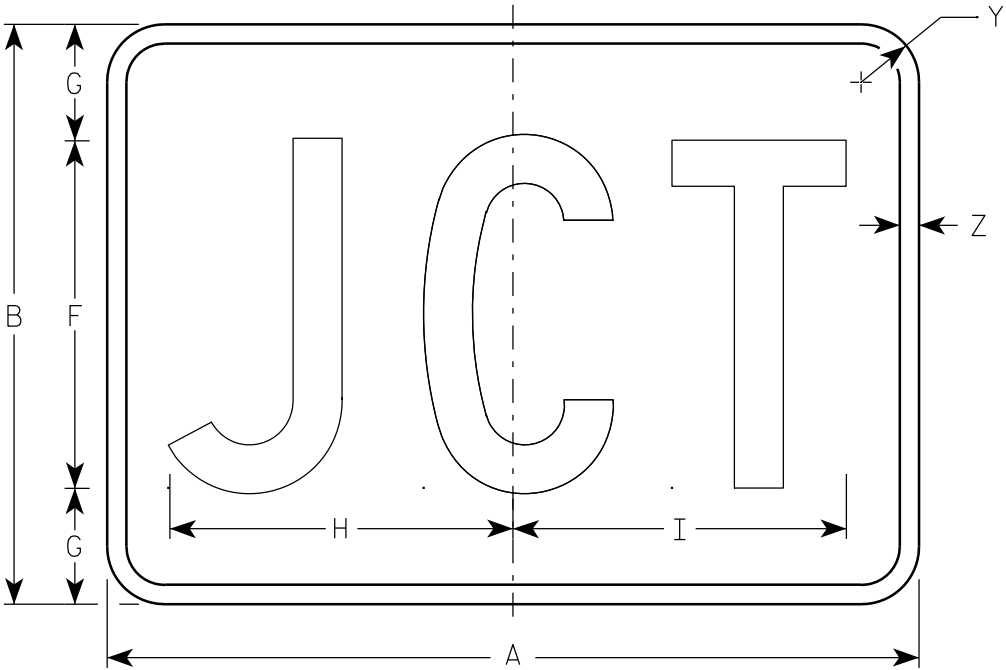
7

NOTES

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



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



MB2-1
MG2-1
MN2-1

Metric equivalent
for this sign is:

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

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

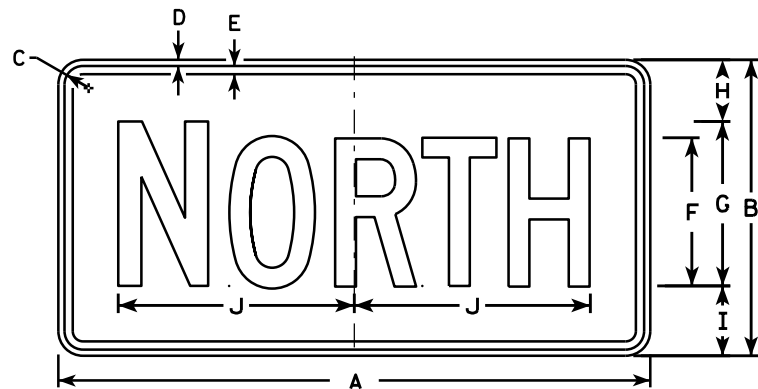
STANDARD SIGN
M2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED
Matthew R. Rauch
for State Traffic Engineer

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

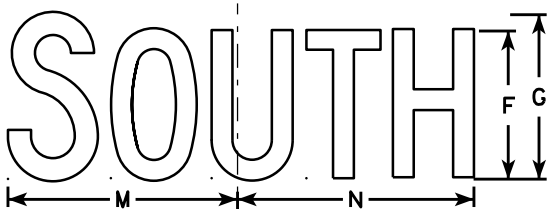
PROJECT NO: HWY: COUNTY: SHEET NO: E



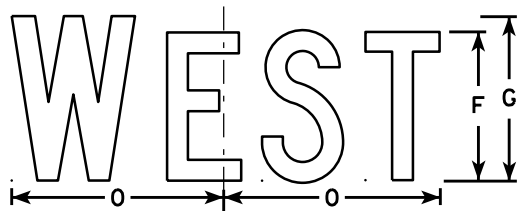
M3-1
MK3-1



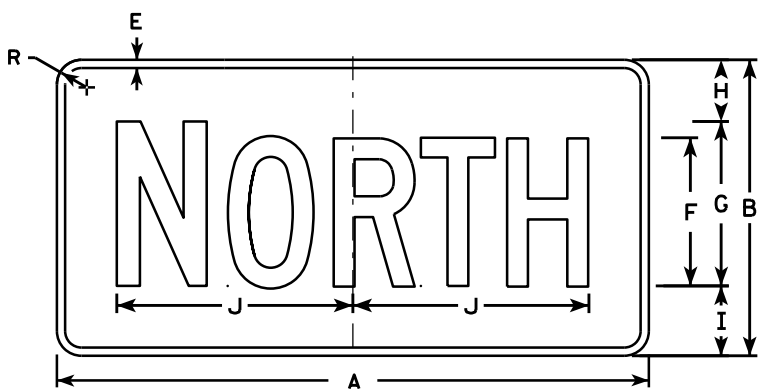
M3-2
MK3-2



M3-3
MK3-3



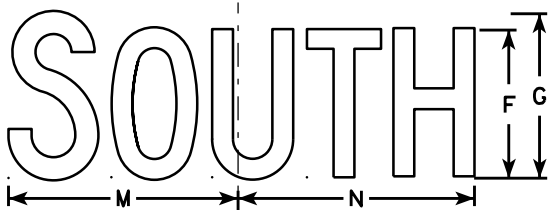
M3-4
MK3-4



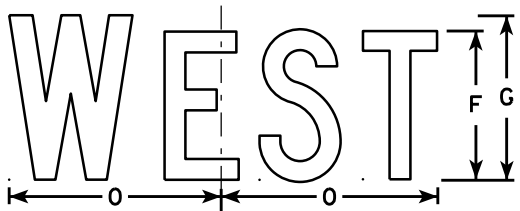
MB3-1
MG3-1
MM3-1
MN3-1



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



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



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

NOTES

1. All Signs Type II - Type H
2. Color:
Background - See note 5
Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White
Message - Black
MB3-1 thru MB3-4 Background - Blue
Message - White
MG3-1 thru MG3-4 Background - Green
Message - White
MK3-1 thru MK3-4 Background - Green
Message - White
MM3-1 thru MM3-4 Background - White
Message - Green
MN3-1 thru MN3-4 Background - Brown
Message - White

6. Note the first letter of each direction is larger than the remainder of the message.

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

STANDARD SIGNS
M3-1 thru M3-4
SERIES

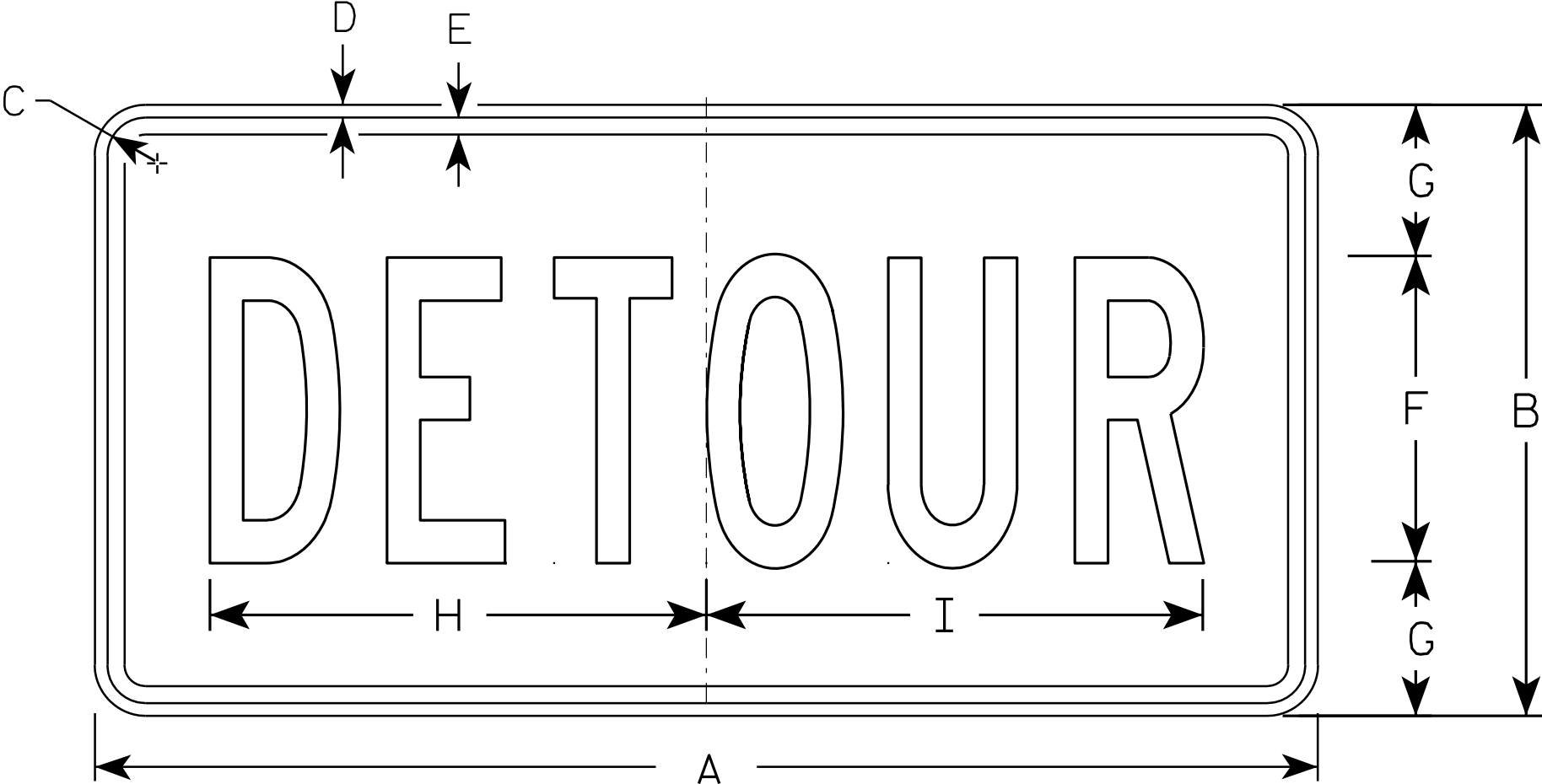
WISCONSIN DEPT OF TRANSPORTATION

APPROVED
Matthew R. Rauch
for State Traffic Engineer

DATE 6/19/14 PLATE NO. M3-1.13

NOTES

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



M4 - 8

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/8	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4																											
5																											

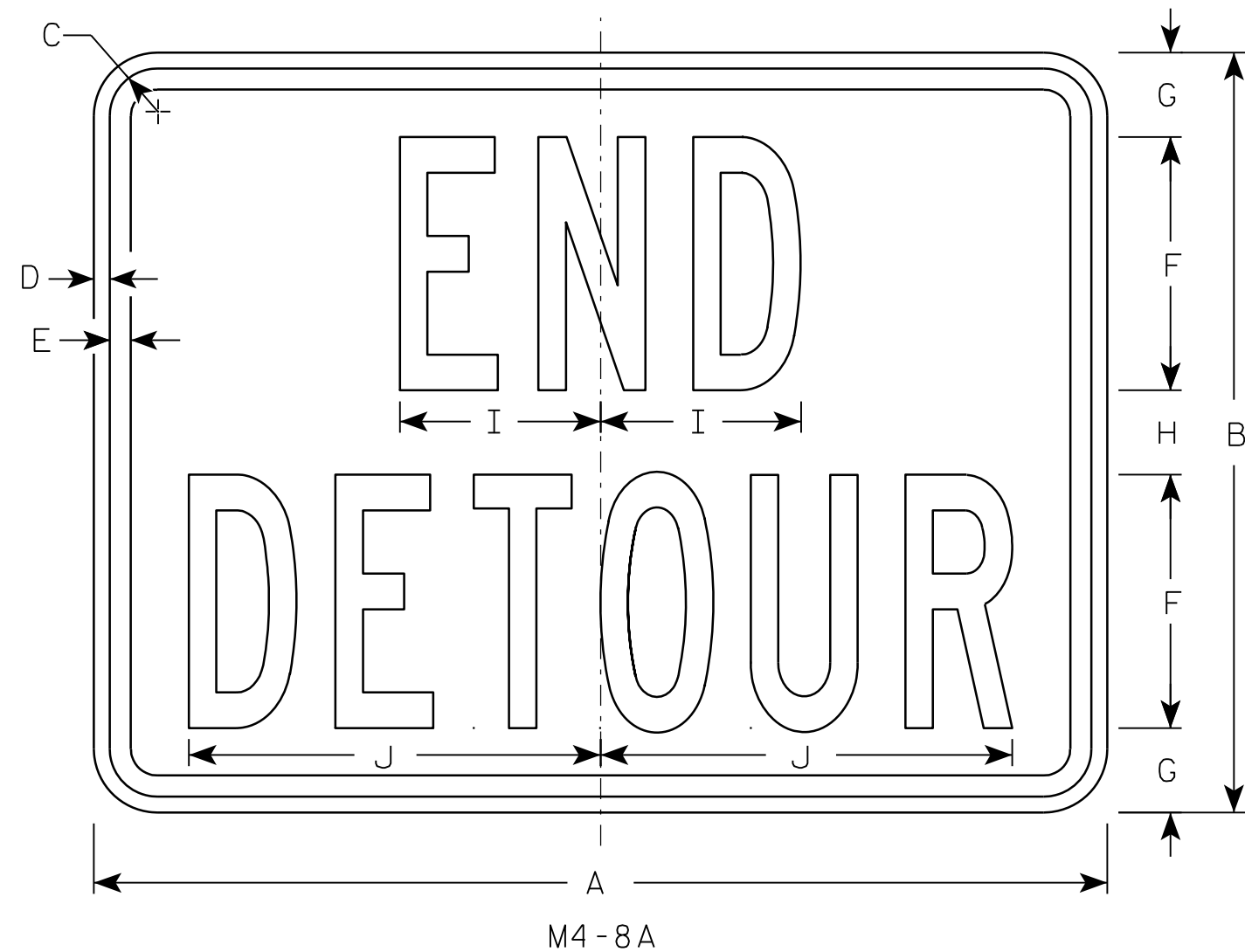
STANDARD SIGN
M4 - 8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED
Matthew R. Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-8.2

7



NOTES

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

7

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	18	1 1/8	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
3	30	24	1 1/8	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4																											
5																											

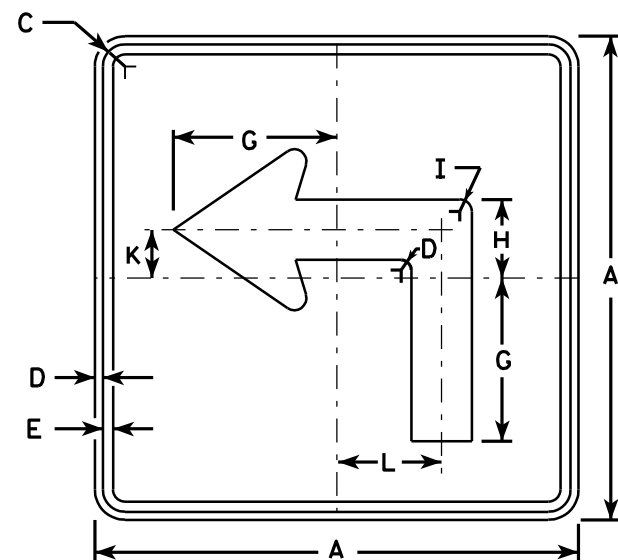
PROJECT NO:	HWY:	COUNTY:	SHEET NO:	E
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STANDARD SIGN
M4-8A

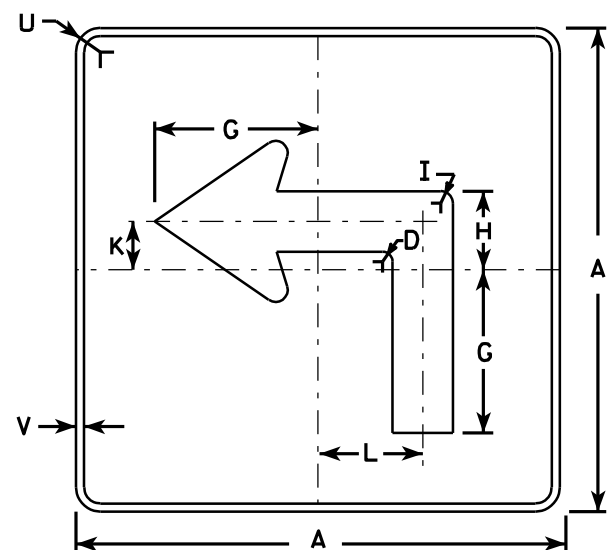
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

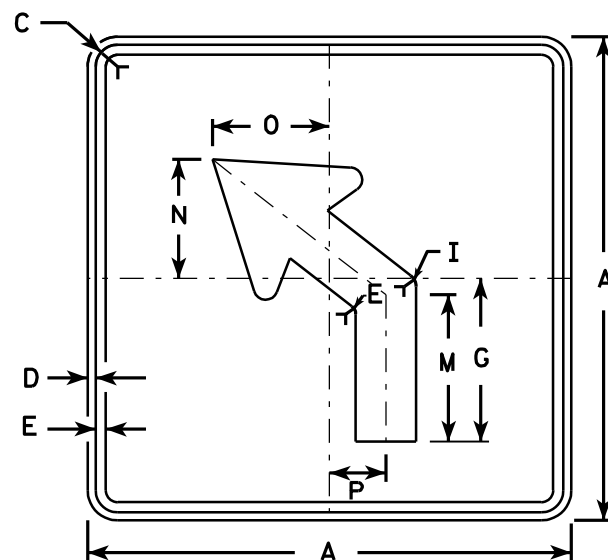
DATE 3/9/11 PLATE NO. M4-8A.2



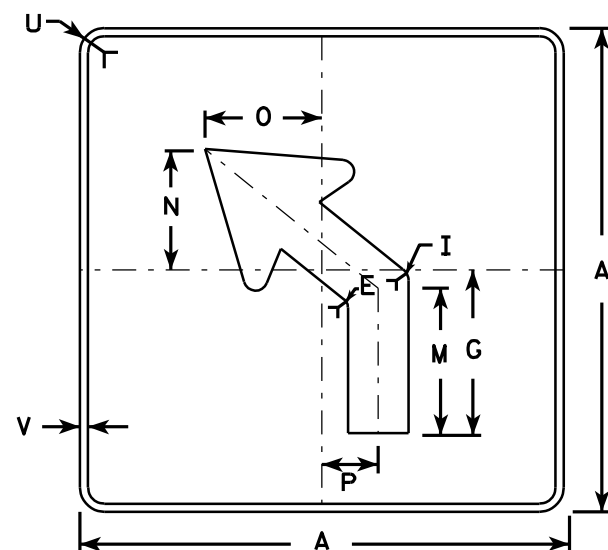
M5-1L
MK5-1L
MM5-1L
M05-1L
MP5-1L
MR5-1L



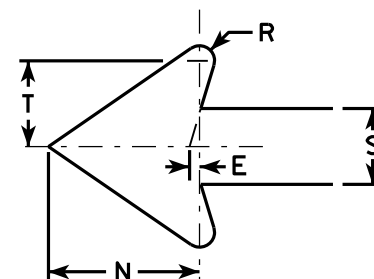
MB5-1L
MG5-1L
MN5-1L



M5-2L
MK5-2L
MM5-2L
M05-2L
MP5-2L
MR5-2L



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

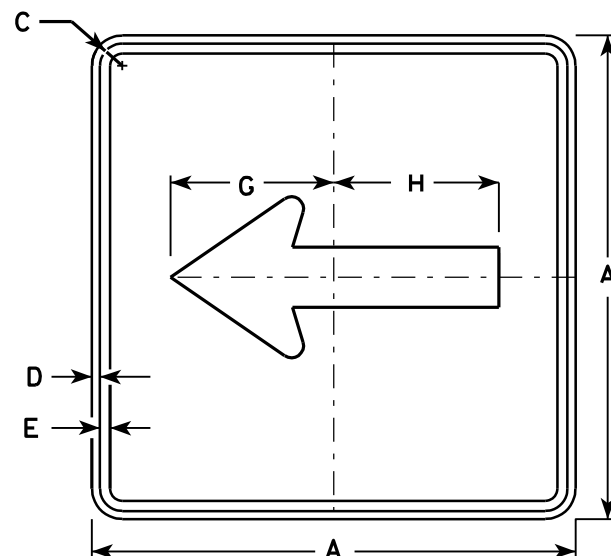


NOTES

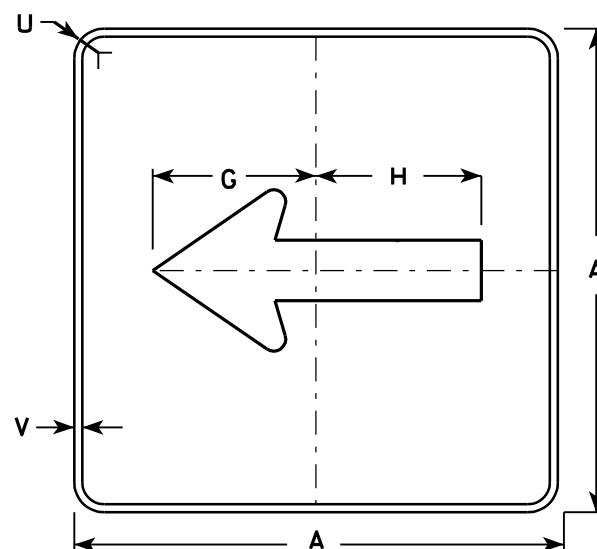
- Signs are Type II - See Note 4 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- Color:
Background - See note 4
Message - See note 4
- Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- M5-1 and M5-2 Background - White - Type H Reflective
Message - Black
MB5-1 and MB5-2 Background - Blue
Message - White - Type H Reflective
MG5-1 and MG5-2 Background - Green
Message - White - Type H Reflective
MK5-1 and MK5-2 Background - Green
Message - White Type H Reflective
MM5-1 and MM5-2 Background - White - Type H Reflective
Message - Green
MN5-1 and MN5-2 Background - Brown
Message - White - Type H Reflective
M05-1 and M05-2 Background - Orange - Type F Reflective
Message - Black
MP5-1 and MP5-2 Background - White - Type H Reflective
Message - Blue
MR5-1 and MR5-2 Background - Brown
Message - Yellow - Type H Reflective
- M5-1R same as M5-1L except arrow points right.
- M5-2R same as M5-2L except arrow tilts right.

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

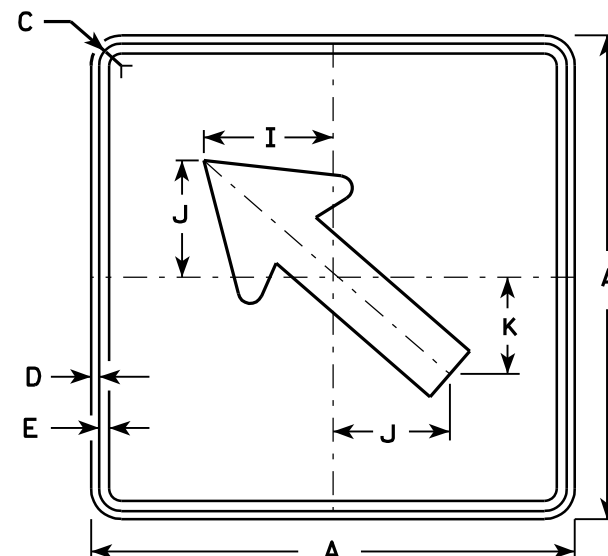
STANDARD SIGN	
M5-1 & M5-2	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	<i>Matthew R. Rauch</i> for State Traffic Engineer
DATE 7/29/13	PLATE NO. M5-1.12



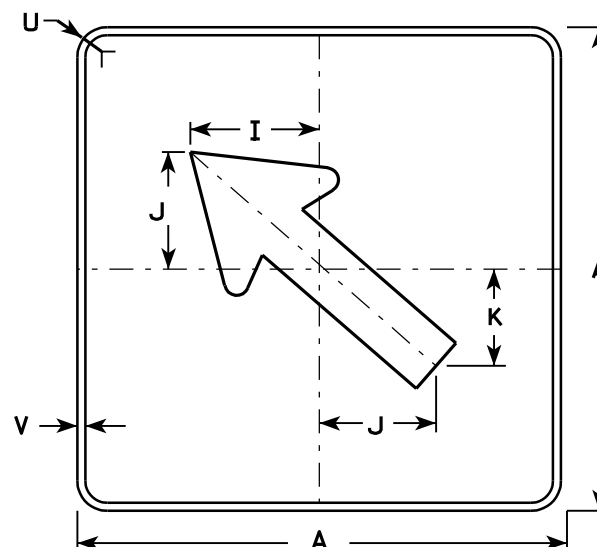
M6-1
MK6-1
MM6-1
MO6-1
MP6-1
MR6-1



MB6-1
MG6-1
MN6-1



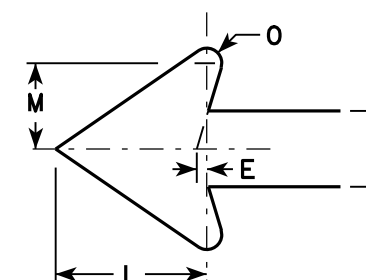
M6-2
MK6-2
MM6-2
MO6-2
MP6-2
MR6-2



MB6-2
MG6-2
MN6-2

NOTES

- Signs are Type II - See Note 4 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- Color:
Background - See note 4
Message - See note 4
- Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- M6-1 and M6-2 Background - White - Type H Reflective
Message - Black
MB6-1 and MB6-2 Background - Blue
Message - White - Type H Reflective
MG6-1 and MG6-2 Background - Green
Message - White - Type H Reflective
MK6-1 and MK6-2 Background - Green
Message - White - Type H Reflective
MM6-1 and MM6-2 Background - White - Type H Reflective
Message - Green
MN6-1 and MN6-2 Background - Brown
Message - White - Type H Reflective
MO6-1 and MO6-2 Background - Orange - Type F Reflective
Message - Black
MP6-1 and MP6-2 Background - White - Type H Reflective
Message - Blue
MR6-1 and MR6-2 Background - Brown
Message - Yellow - Type H Reflective



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

STANDARD SIGN M6-1 & M6-2 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 7/29/13 PLATE NO. M6-1.13

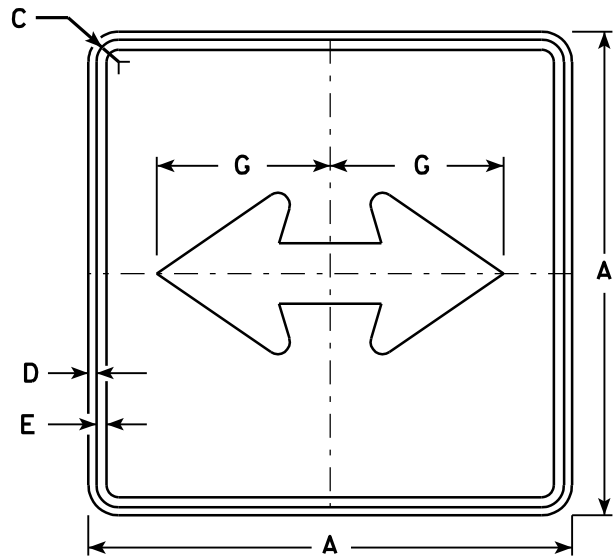
PROJECT NO:

HWY:

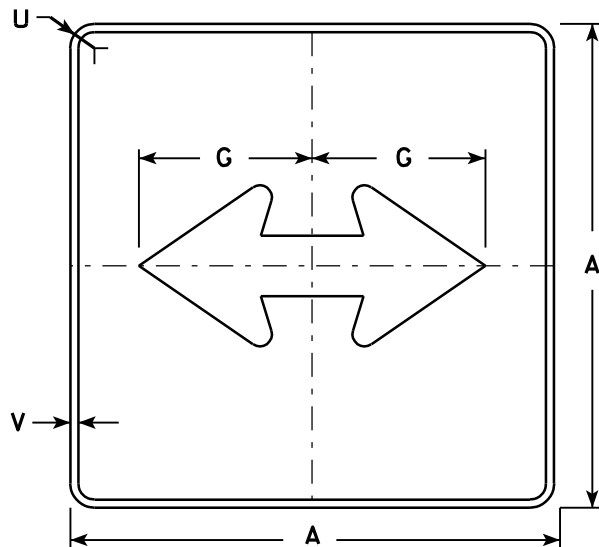
COUNTY:

SHEET NO:

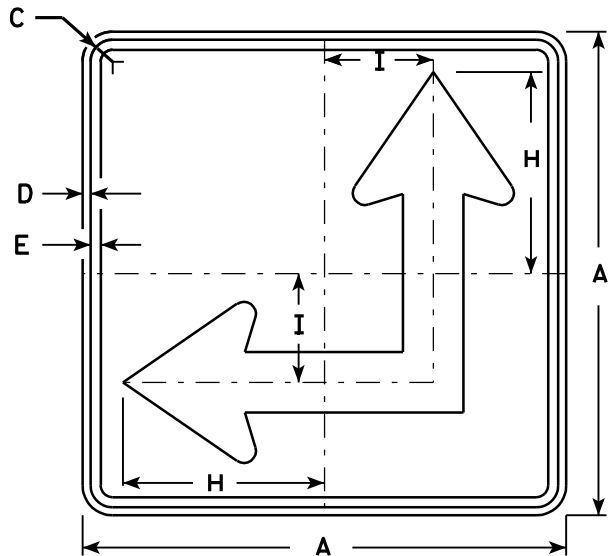
E



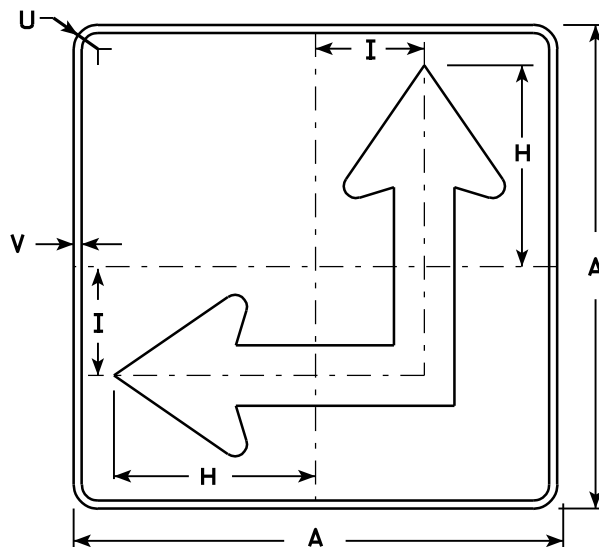
M6 - 4
MK6 - 4
MM6 - 4
MO6 - 4
MP6 - 4
MR6 - 4



MB6 - 4
MG6 - 4
MN6 - 4



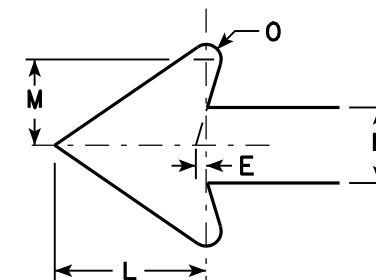
M6 - 6
MK6 - 6
MM6 - 6
MO6 - 6
MP6 - 6
MR6 - 6



MB6 - 6
MG6 - 6
MN6 - 6

NOTES

- Signs are Type II - See Note 4 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- Color:
Background - See Note 4
Message - See Note 4
- Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- M6-4 and M6-6 Background - White - Type H Reflective
Message - Black
MB6-4 and MB6-6 Background - Blue
Message - White - Type H Reflective
MG6-4 and MG6-6 Background - Green
Message - White - Type H Reflective
MK6-4 and MK6-6 Background - Green
Message - White - Type H Reflective
MM6-4 and MM6-6 Background - White - Type H Reflective
Message - Green
MN6-4 and MN6-6 Background - Brown
Message - White - Type H Reflective
MO6-4 and MO6-6 Background - Orange - Type F Reflective
Message - Black
MP6-4 and MP6-6 Background - White - Type H Reflective
Message - Blue
MR6-4 and MR6-6 Background - Brown
Message - Yellow - Type H Reflective
- M6-6R same as M6-6L except arrow points ahead and right.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	8 3/4	4 1/4			5 1/4	3	2 5/8	1/2						1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25

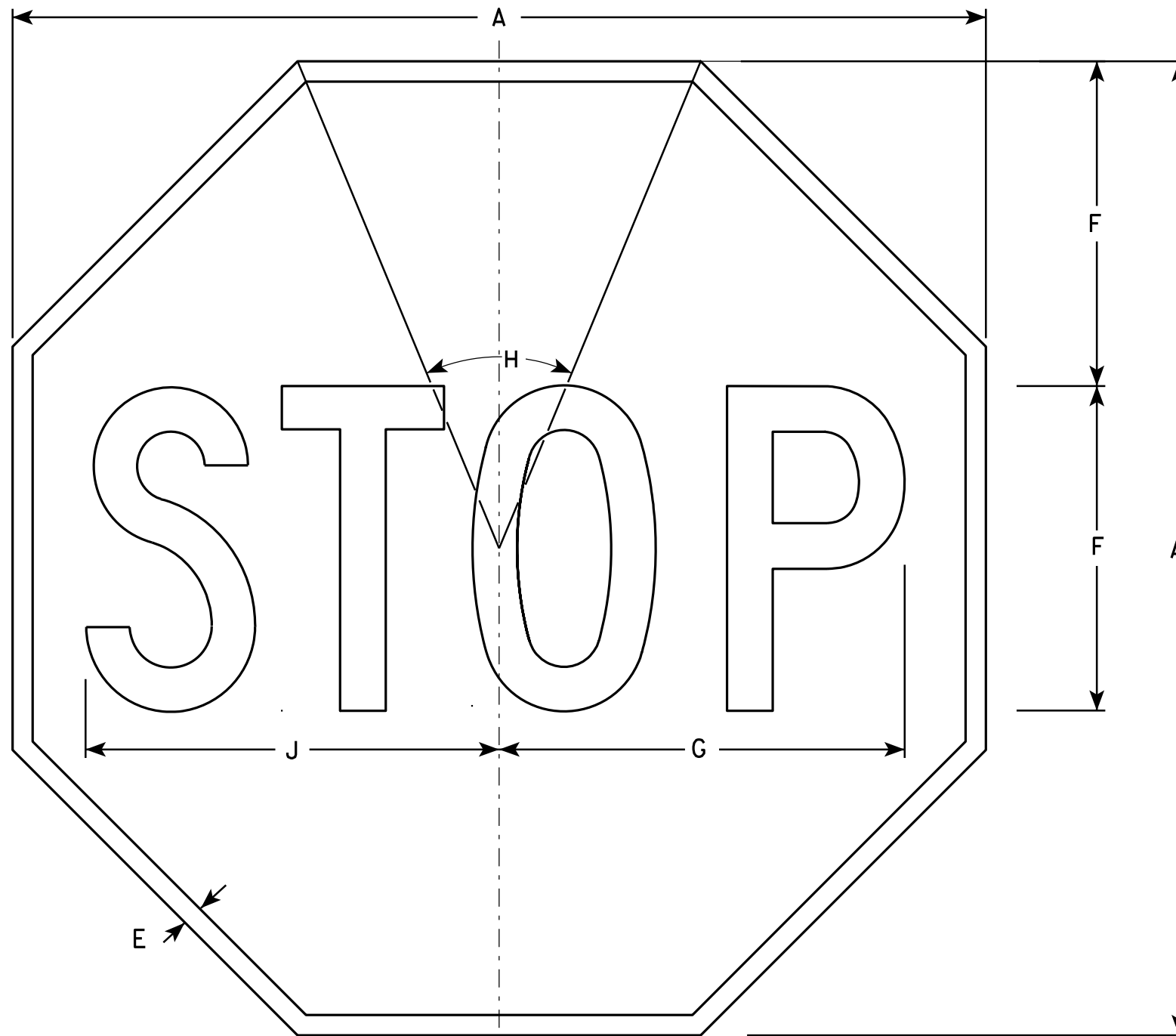
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E
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STANDARD SIGN
M6 - 4 & M6 - 6
SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 7/29/13 PLATE NO. M6-4.8



NOTES

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

R1-1

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

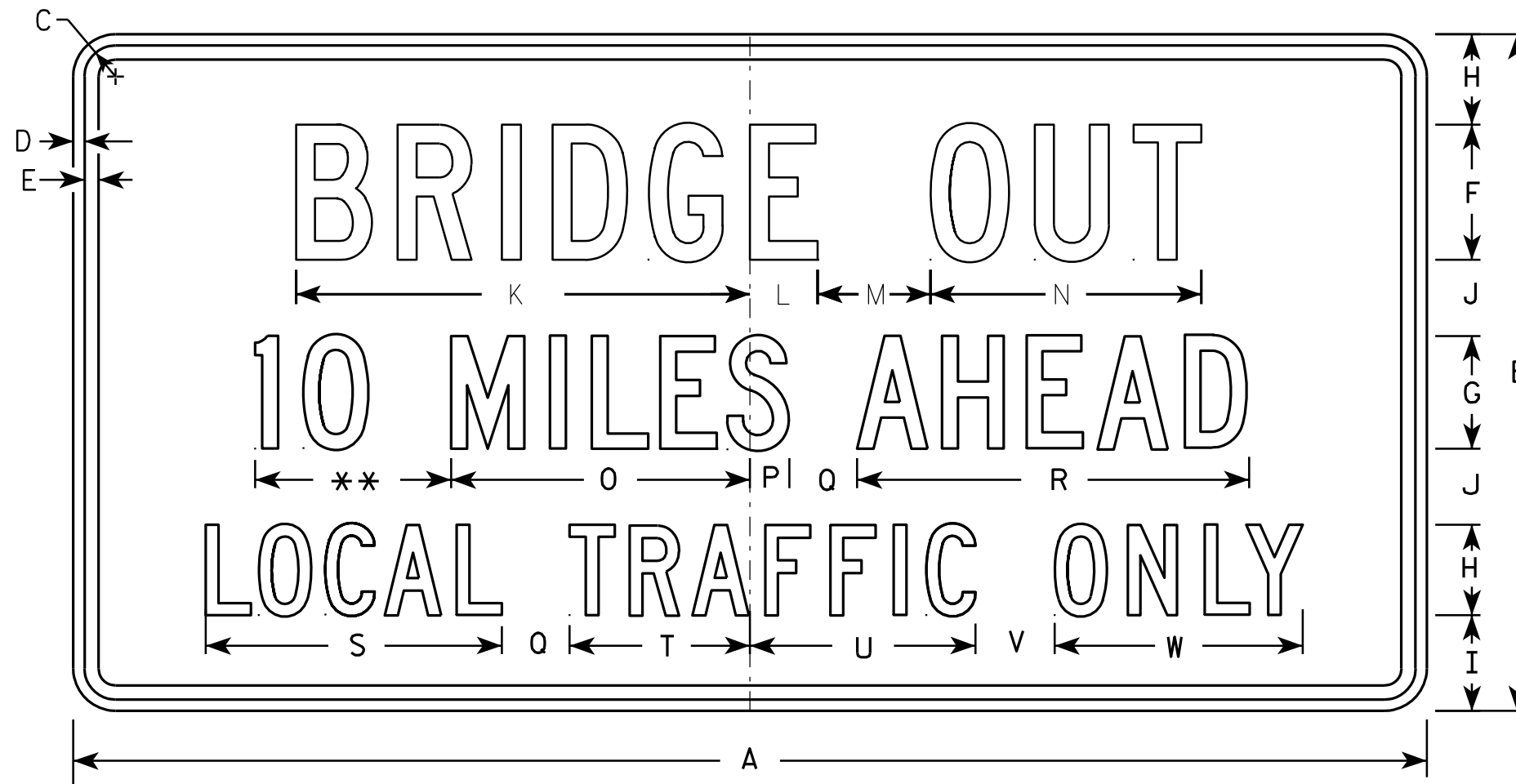
STANDARD SIGN
R1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:	SHEET NO:	E
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R11-3B

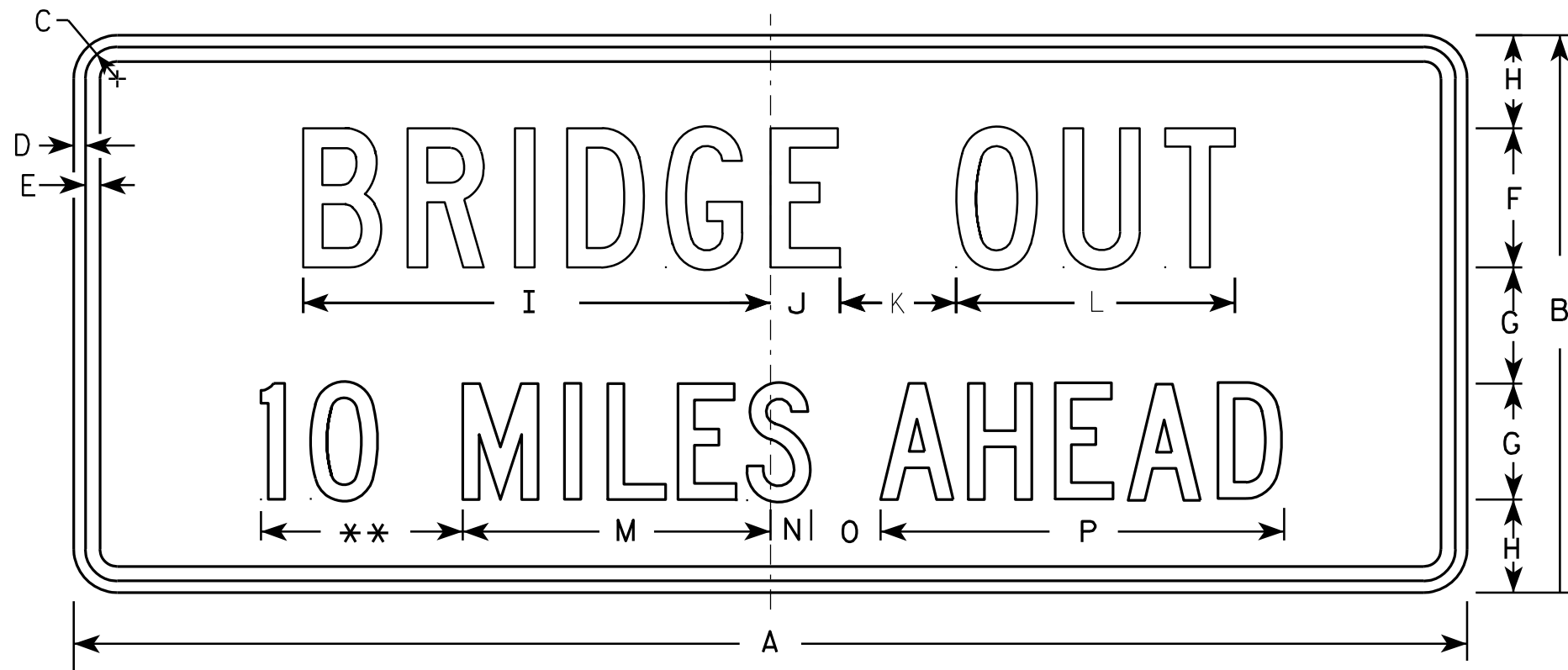
NOTES

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

** See Note 5

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 ³ / ₈	¹ / ₂	⁵ / ₈	4	3	2 ¹ / ₂	2	2	13 ¹ / ₄	2 ¹ / ₄	3	8	8	1 ¹ / ₂	2	10 ³ / ₄	8 ³ / ₈	4 ³ / ₄	6 ¹ / ₂	2	6 ³ / ₄				4.5
2S	60	30	1 ³ / ₈	¹ / ₂	⁵ / ₈	6	5	4	4 ¹ / ₄	3 ³ / ₈	20 ¹ / ₈	3	5	12	13 ¹ / ₄	1 ³ / ₄	3	17 ³ / ₈	13 ¹ / ₈	8	10	3 ¹ / ₂	11				12.5
2M	60	30	1 ³ / ₈	¹ / ₂	⁵ / ₈	6	5	4	4 ¹ / ₄	3 ³ / ₈	20 ¹ / ₈	3	5	12	13 ¹ / ₄	1 ³ / ₄	3	17 ³ / ₈	13 ¹ / ₈	8	10	3 ¹ / ₂	11				12.5
3																											
4																											
5																											

STANDARD SIGN R11-3B	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	<i>Matthew R. Rauch</i> for State Traffic Engineer
DATE 4/1/11	PLATE NO. R11-3B.2



R11-3C

NOTES

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

** See Note 5

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	15	1 3/8	1/2	5/8	4	3	2 1/2	13 1/4	2 1/4	3	8	8	1 1/2	2	10 3/4											3.75
2S	60	24	1 3/8	1/2	5/8	6	5	4	20 1/8	3	5	12	13 1/4	1 3/4	3	17 3/8											10.0
2M	60	24	1 3/8	1/2	5/8	6	5	4	20 1/8	3	5	12	13 1/4	1 3/4	3	17 3/8											10.0
3																											
4																											
5																											

PROJECT NO:

SHEET NO:

E



R2-6P

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - White
Message - Black
3. Message Series - 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																											
2S	24	18	1 1/8	3/8	3/8	4	3 1/2	3	7 5/8	9 1/4																	3.0
2M	24	18	1 1/8	3/8	3/8	4	3 1/2	3	7 5/8	9 1/4																	3.0
3	36	24	1 1/8	3/8	1/2	6	4 1/8	3 3/4	12	14																	6.0
4	36	24	1 1/8	3/8	1/2	6	4 1/8	3 3/4	12	14																	6.0
5	48	36	1 3/8	1/2	5/8	8	7	6	15 1/8	19																	12.0

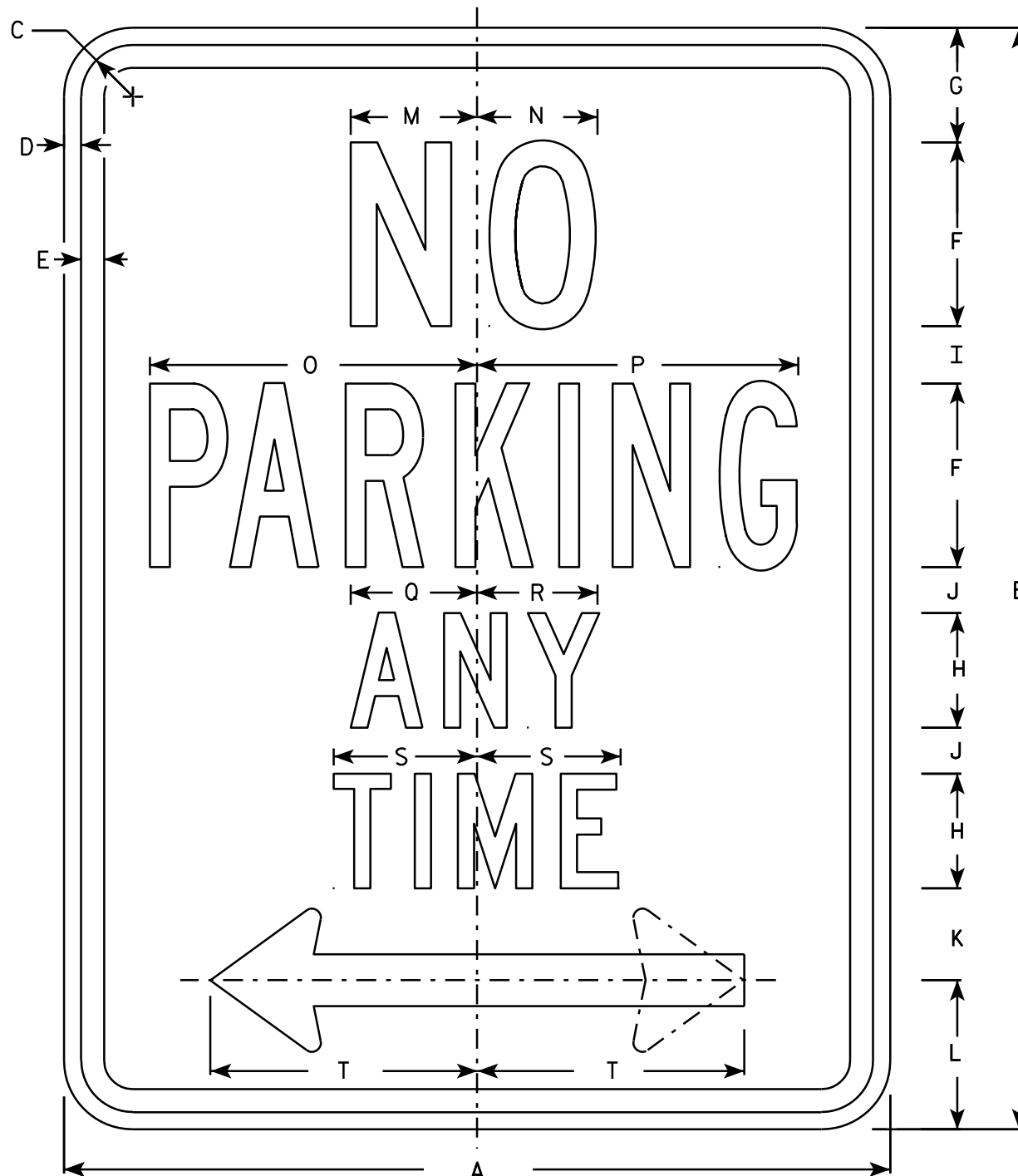
STANDARD SIGN
R2-6P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 12/20/10 PLATE NO. R2-6P.2

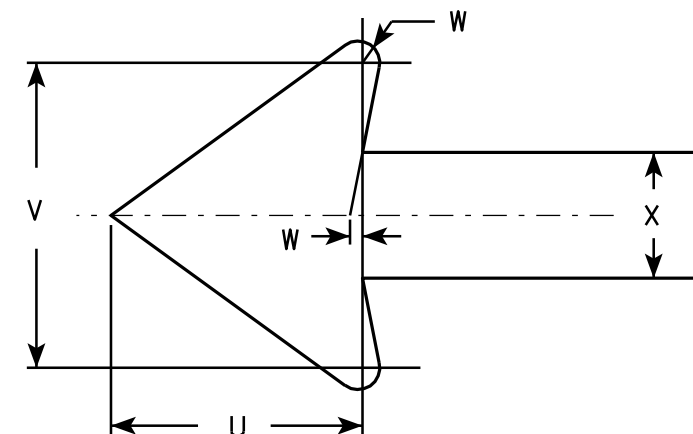
PROJECT NO: HWY: COUNTY: SHEET NO: E



R7-1

NOTES

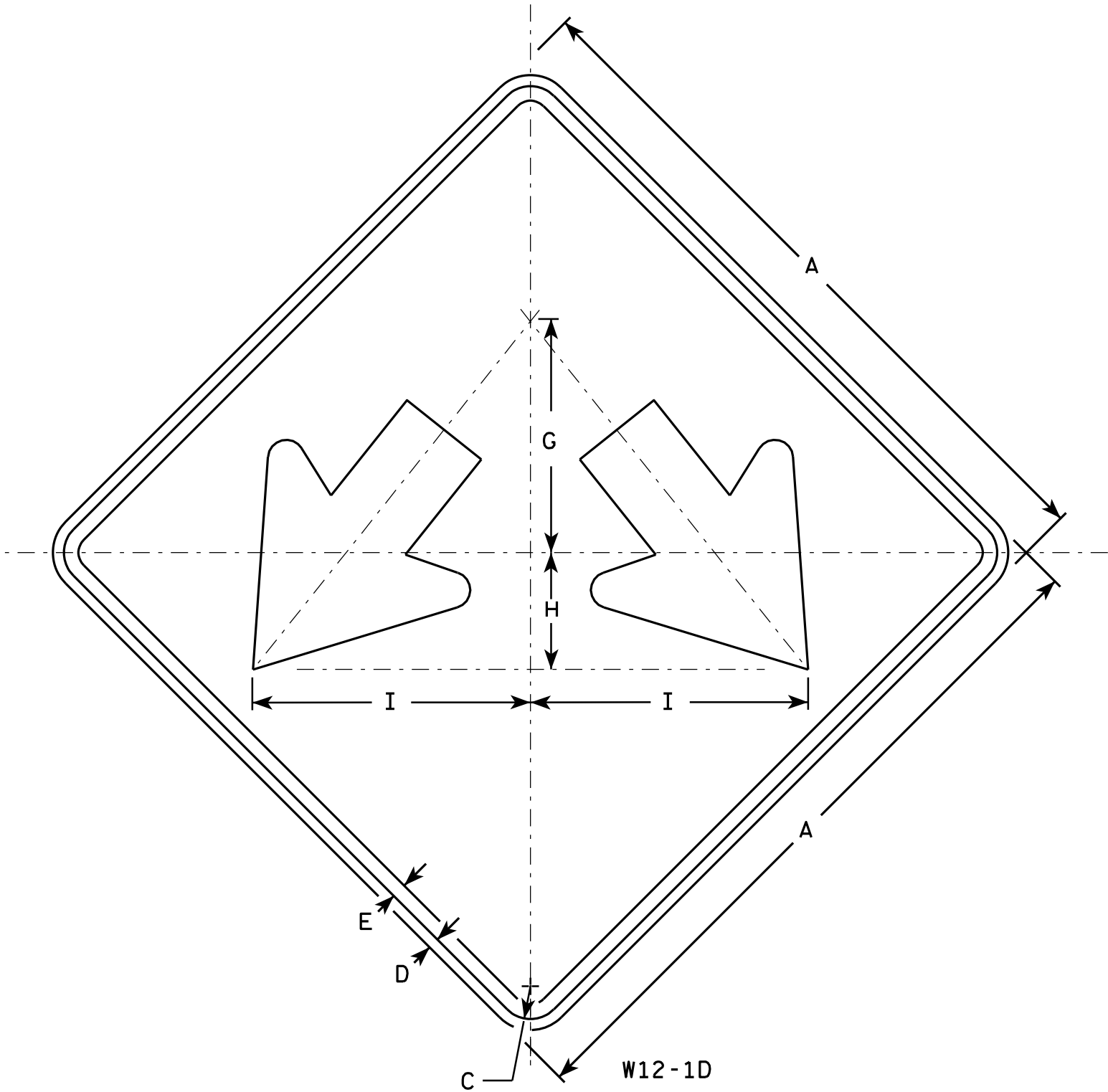
1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - White
Message - Red
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1, 3 and 4 are series C, line 2 is series B.
6. R7-1D (double arrow)
R7-1L (left arrow)
R7-1R (right arrow)



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	18	1 1/8	3/8	3/8	3	1 7/8	2	7/8	5/8	1 1/2	2 1/2	2	2	4 7/8	4 7/8	2 1/4	2 1/8	2 1/2	3 7/8	1 1/2	1 3/4	1/8	3/4			1.5
2S	18	24	1 1/8	3/8	1/2	4	2 1/2	2 1/2	1 1/4	1	2	3 1/4	2 3/4	2 5/8	7 1/8	7	2 3/4	2 5/8	3 1/8	5 7/8	2 1/4	2 5/8	1/4	1 1/8			3.0
2M	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
3	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
4																											
5																											

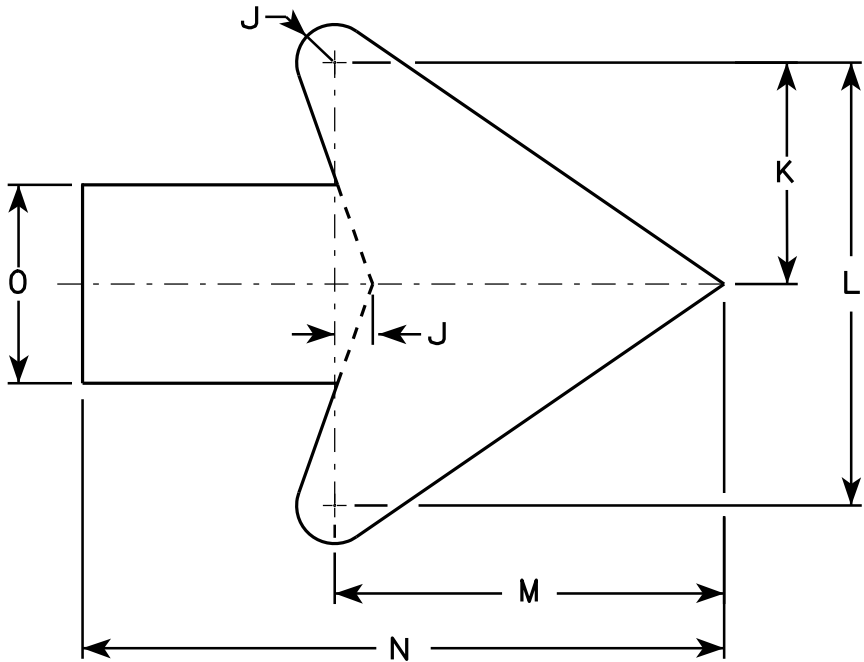
STANDARD SIGN R7-1	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	<i>Matthew R. Rauch</i> for State Traffic Engineer
DATE 3/31/2011	PLATE NO. R7-1.9

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

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



Arrow Detail

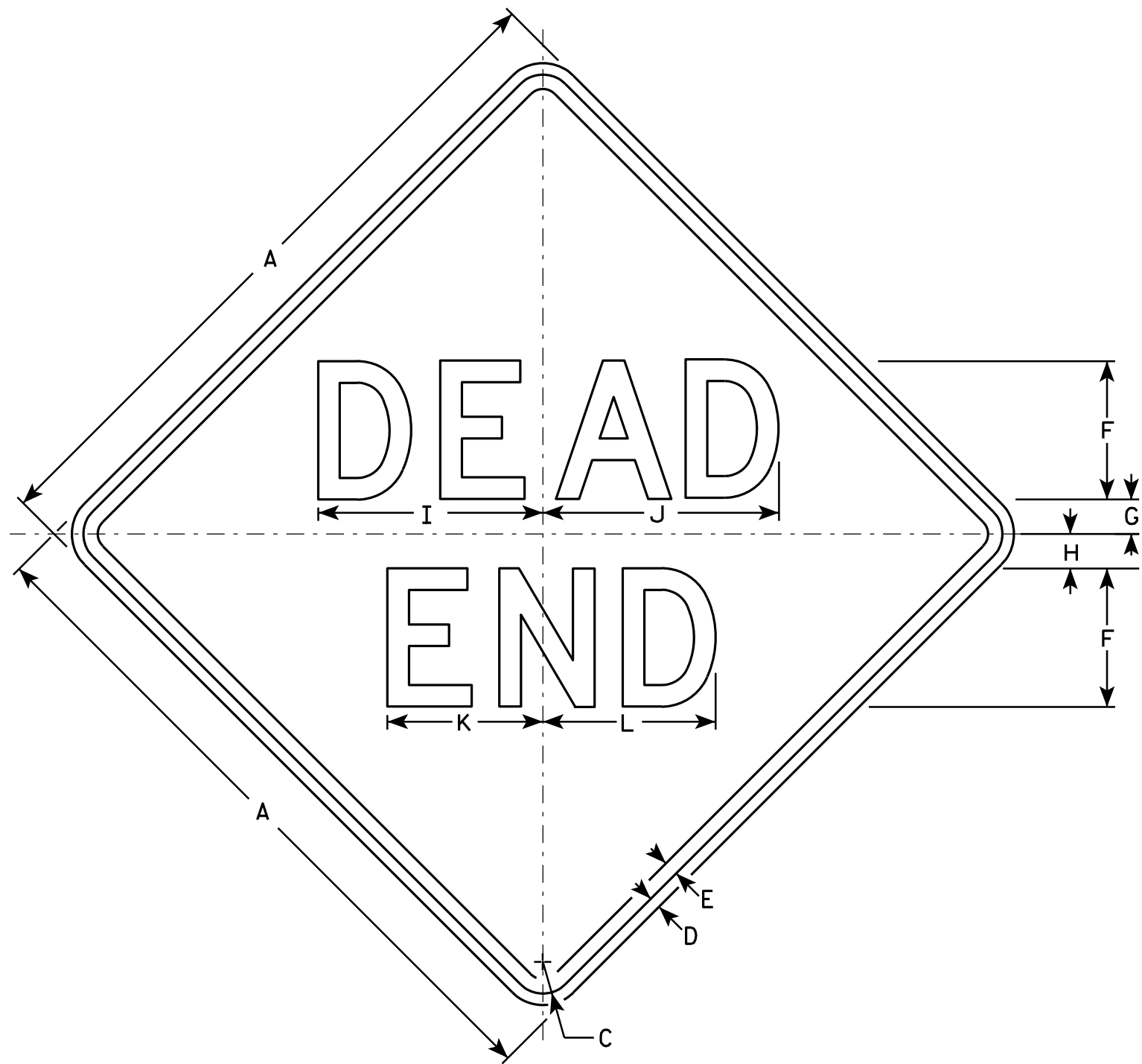
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
2M	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
3	30		1 3/8	1/2	5/8		10	5	11 7/8	3/4	4 1/2	9	7 7/8	13	4												6.25
4	36		1 3/8	1/2	5/8		12	6	14 1/4	1	5 1/2	10 7/8	9 5/8	15 3/4	4 3/4												9.0
5	48		2 1/4	3/4	1		16	8	19	1 1/4	7 1/4	14 1/2	12 3/4	21	6 1/4												16.0

STANDARD SIGN
W12-1D

WISCONSIN DEPT OF TRANSPORTATION

APPROVED
Matthew R. Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W12-1D.15



W14-1

NOTES

1. Sign is Type II - Type F 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

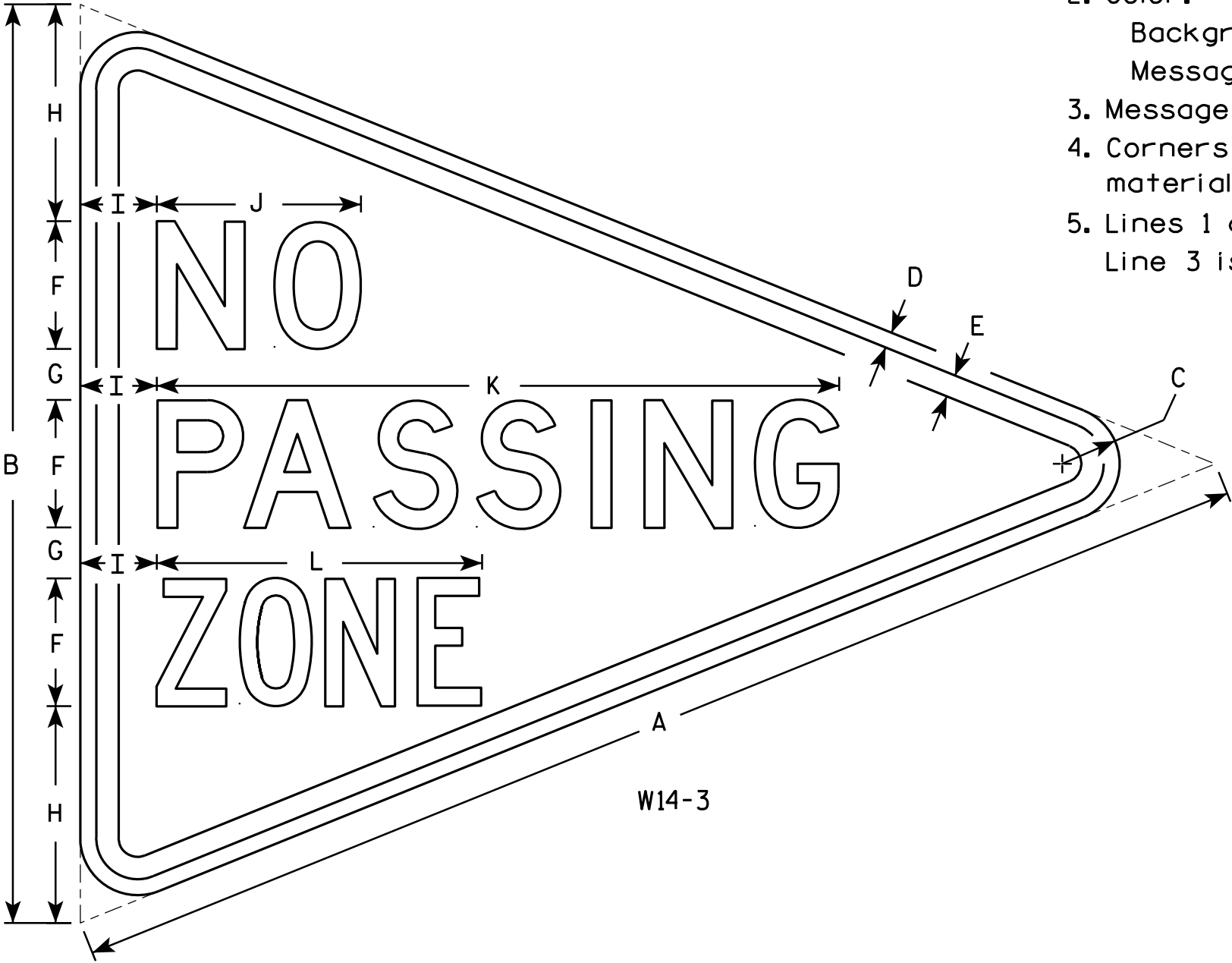
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R. Rauch
for State Traffic Engineer
DATE 3/13/13 PLATE NO. W14-1.7

PROJECT NO: HWY: COUNTY: SHEET NO: E

NOTES

- 1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:
Background - Yellow
Message - Black
- 3. Message Series - See note 5
- 4. Corners and borders shall be rounded on all base materials for this sign.
- 5. Lines 1 and 2 are Series D.
Line 3 is series C.



W14-3

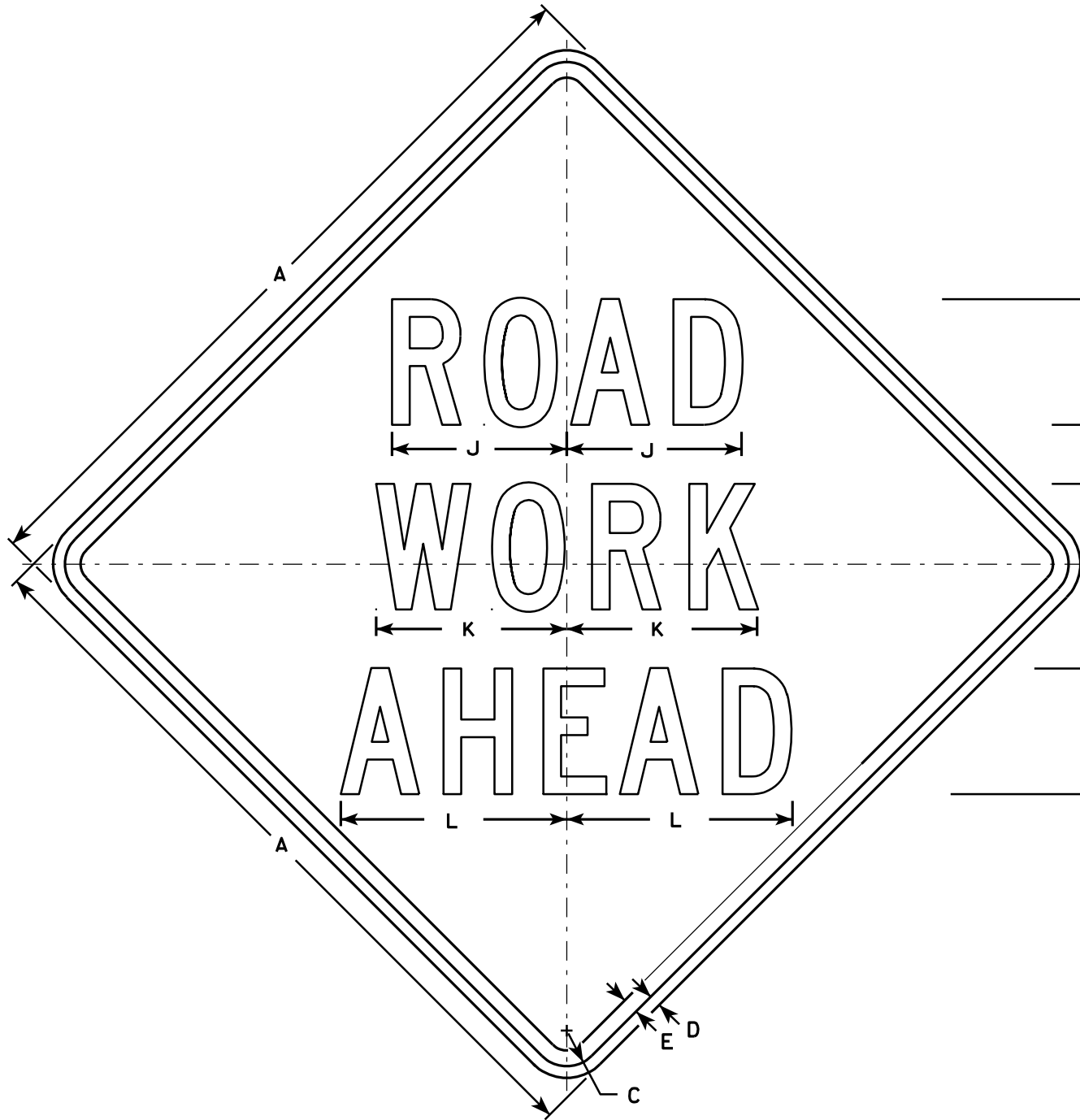
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	36	2 1/4	5/8	7/8	5	2	8 1/2	3	8	26 3/4	12 3/4															6.0
2M	48	36	2 1/4	5/8	7/8	5	2	8 1/2	3	8	26 3/4	12 3/4															6.0
3	64	48	3	3/4	1 1/4	6	3	12	4	10 3/4	33 5/8	16 1/2															10.7
4																											
5																											

STANDARD SIGN
W14-3

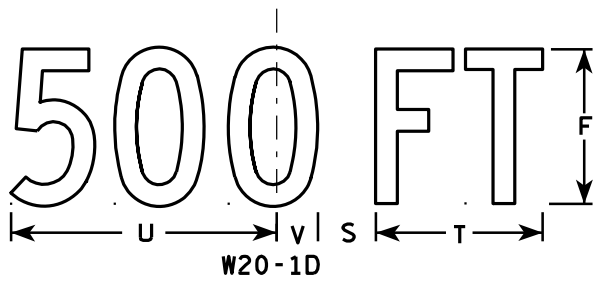
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

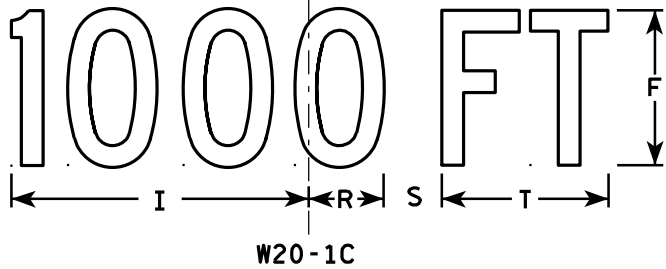
DATE 6/7/10 PLATE NO. W14-3.9



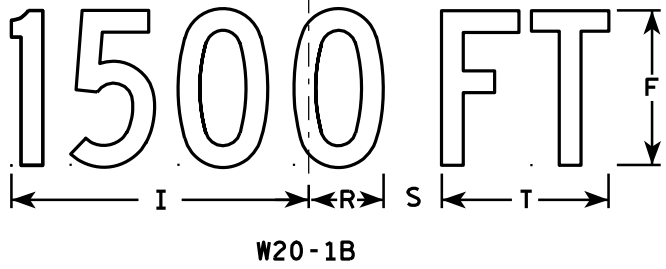
W20-1A



W20-1D



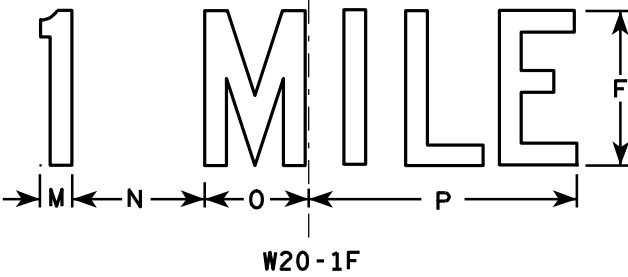
W20-1C



W20-1B



W20-1G



W20-1F

NOTES

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

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	36		1 3/8	1/2	5/8	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9		2 1/2	1 7/8	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8		3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8		3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8		3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8		3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8		3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

PROJECT NO:

SHEET NO:

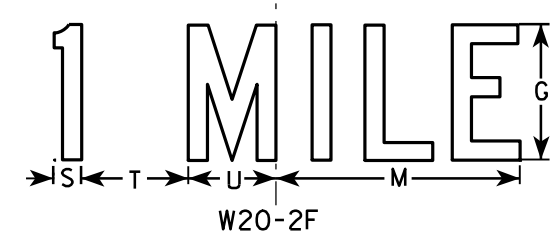
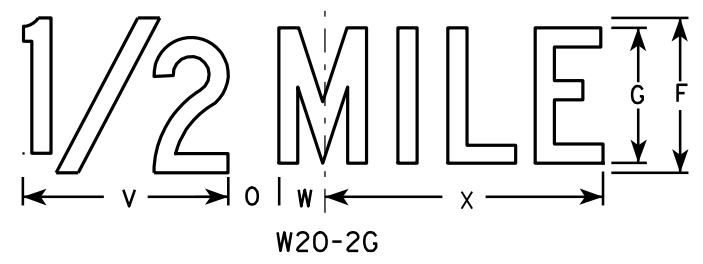
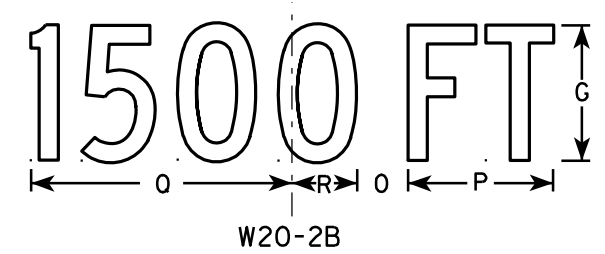
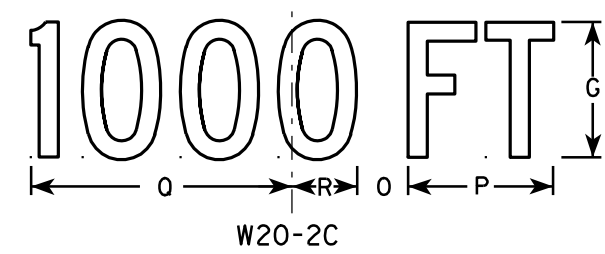
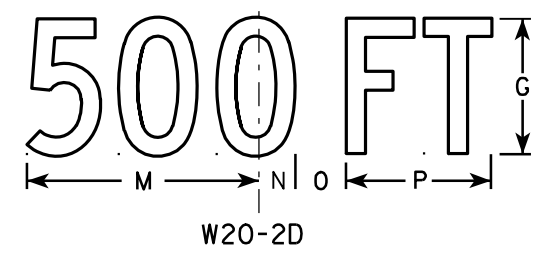
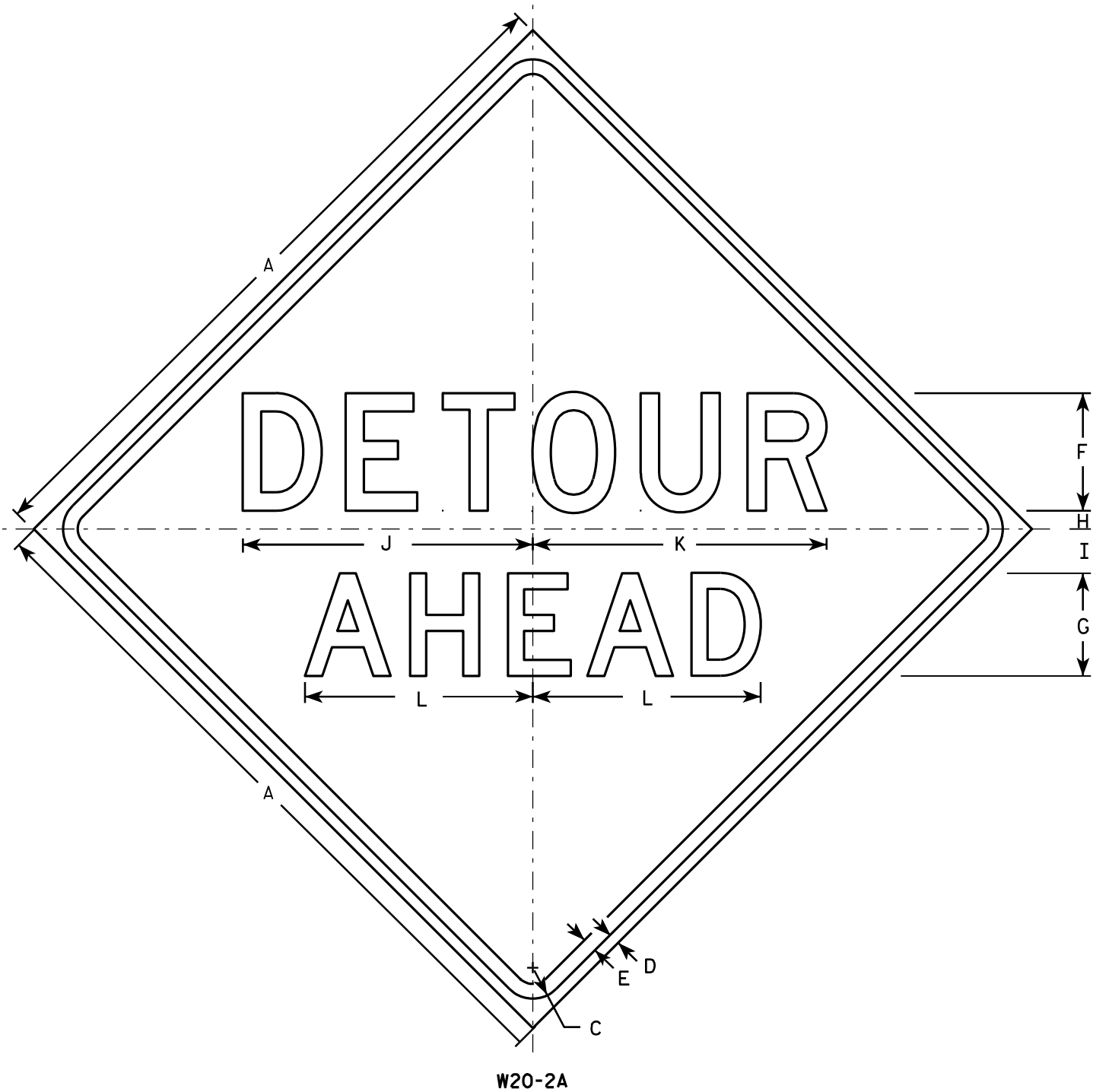
E

STANDARD SIGN
W20-1A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED
Matthew R. Rauch
For State Traffic Engineer

DATE 3/18/11
PLATE NO. W20-1.9



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Orange
Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D.
Line 2 is Series D for AHEAD and Series C for all other distances.

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	36		1 5/8	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

STANDARD SIGN
W20-2A,B,C,D,F & G

WISCONSIN DEPT OF TRANSPORTATION
APPROVED *Matthew R. Rauch* for State Traffic Engineer
DATE 3/18/11 PLATE NO. W20-2.6

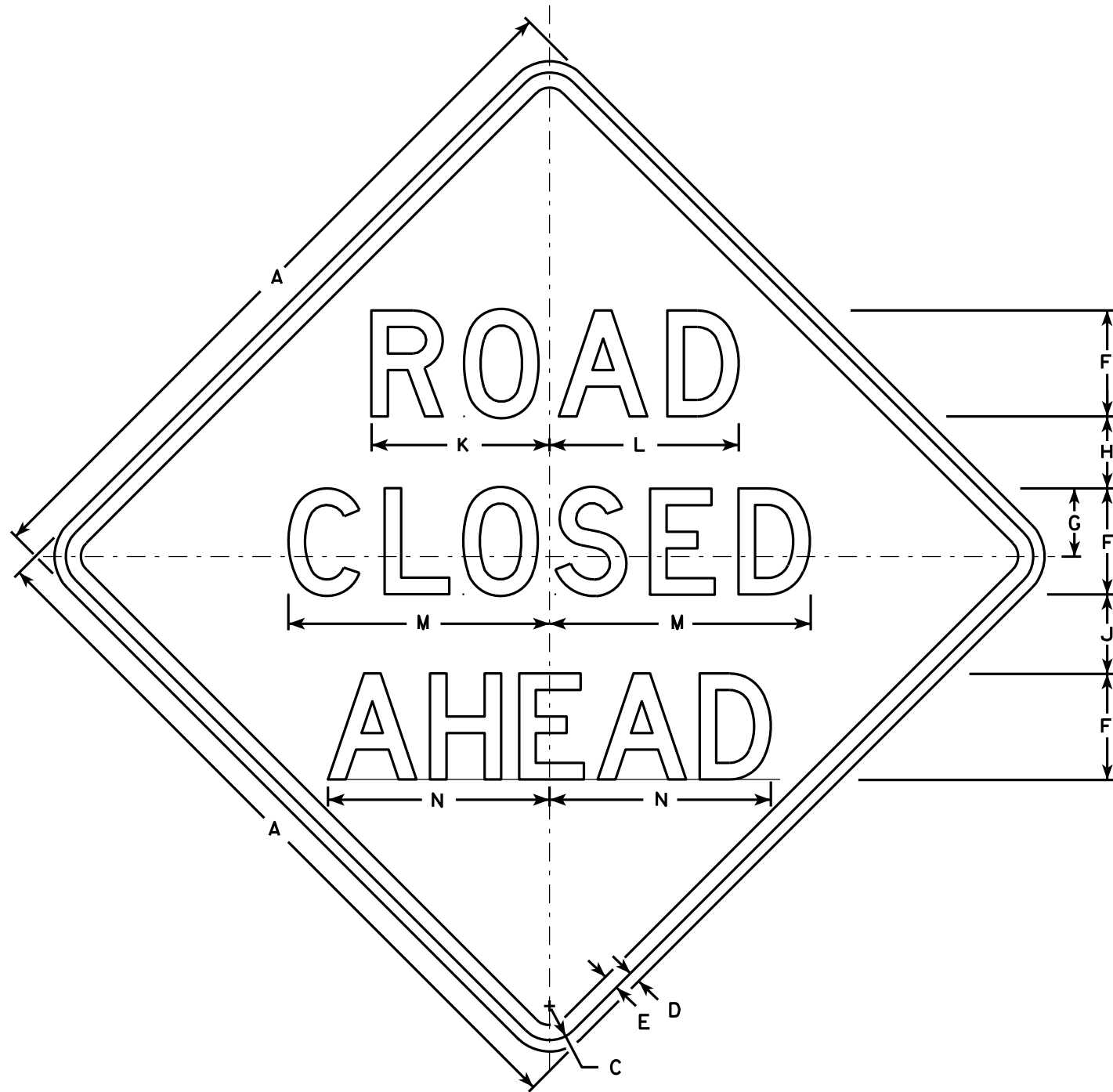
PROJECT NO:

HWY:

COUNTY:

SHEET NO:

E



W20-3A

500 FT

W20-3D

1000 FT

W20-3C

1500 FT

W20-3B

1/2 MILE

W20-3G

1 MILE

W20-3F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Orange
Message - Black
3. Message Series - see note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 and 2 are Series D.
Line 3 is Series D for AHEAD and Series C for all other distances.

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	36		1 5/8	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-3A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-3.7

PROJECT NO:

HWY:

COUNTY:

SHEET NO:

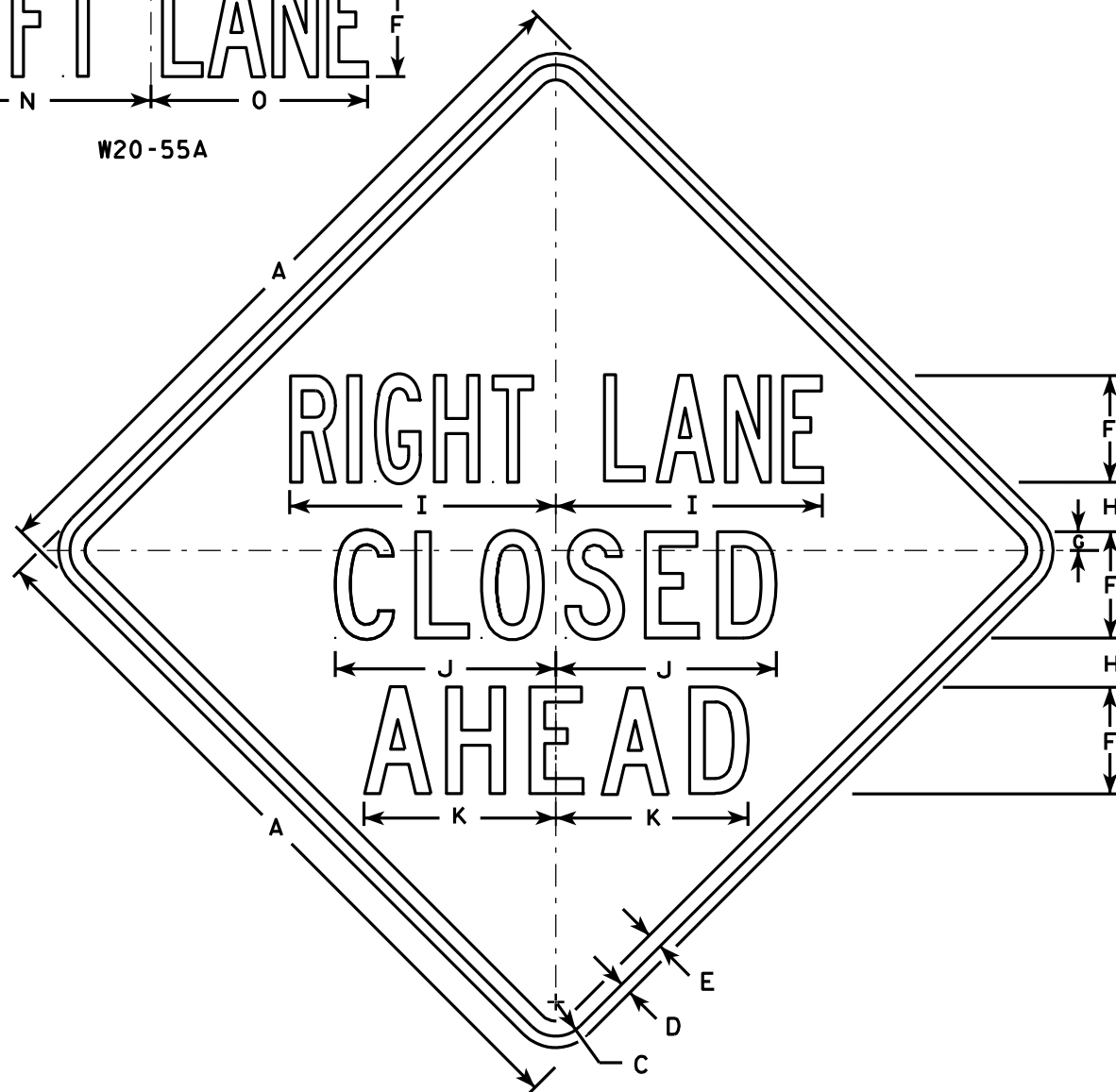
E

CENTER LANE

W20-56A

LEFT LANE

W20-55A



W20-5A

500 FT

W20-5D

1000 FT

W20-5C

1500 FT

W20-5B

1/2 MILE

W20-5G

1 MILE

W20-5F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Orange
Message - Black
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. "----- LANE" is Series B.
All other copy is 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	36	6	1 5/8	5/8	3/4	5	7/8	2 1/2	13 1/8	10 3/4	9 1/2	14 1/4	13 5/8	12	12	1 3/8	1 1/8	4 1/2	3 1/2	9	1 7/8	5 5/8	10 1/8	2 1/2	1 3/4	8	9.0
2S	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
2M	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
3	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
4	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
5	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0

PROJECT NO:

HWY:

COUNTY:

STANDARD SIGN
W20-5A, B, C, D, F & G

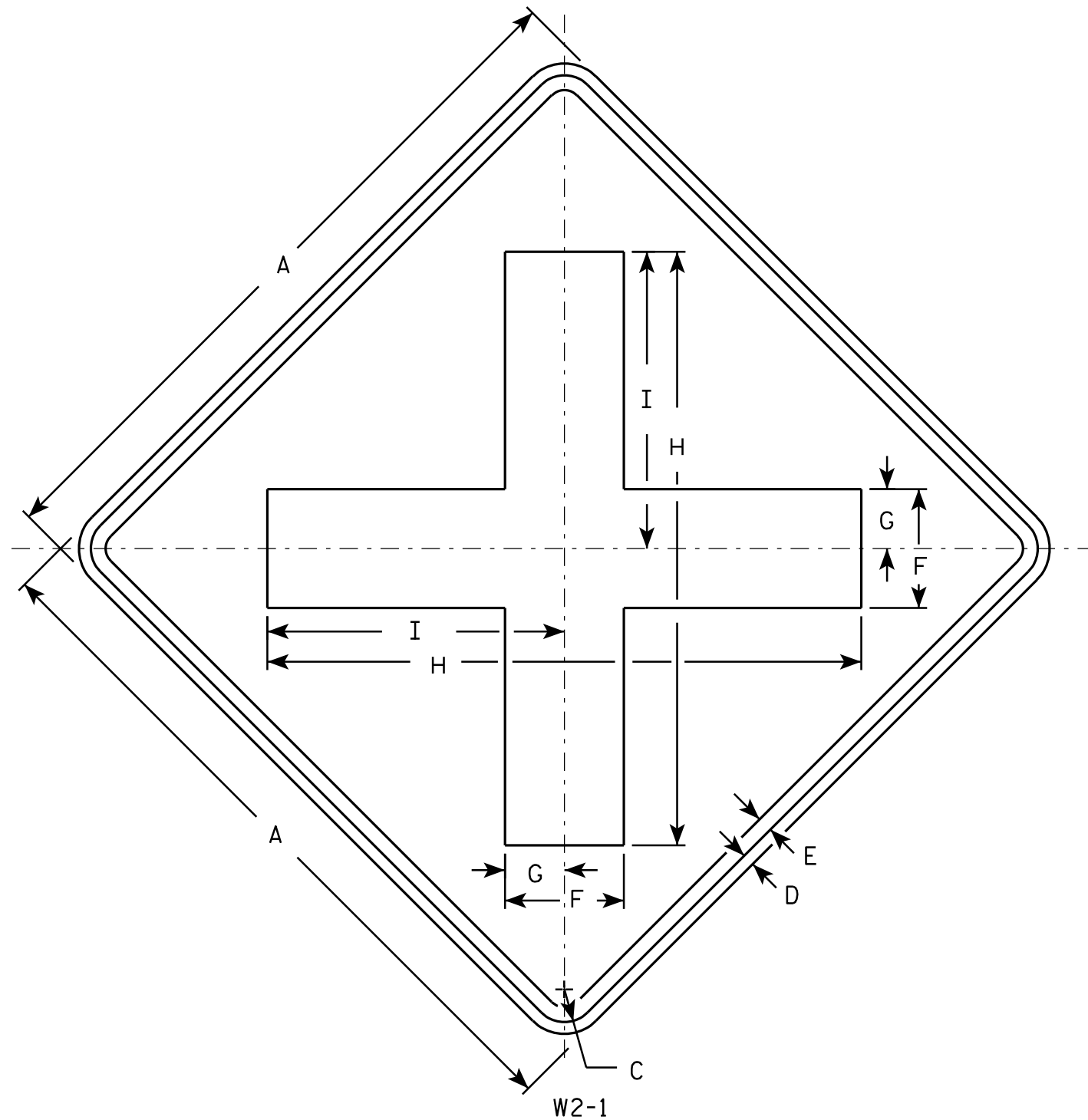
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-5.11

SHEET NO:

E



NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	4	2	20	10																		4.0
2S	30		1 3/8	1/2	5/8	5	2 1/2	25	12 1/2																		6.25
2M	30		1 3/8	1/2	5/8	5	2 1/2	25	12 1/2																		6.25
3	36		1 5/8	5/8	3/4	6	3	30	15																		9.0
4	48		2 1/4	3/4	1	8	4	40	20																		16.0
5																											

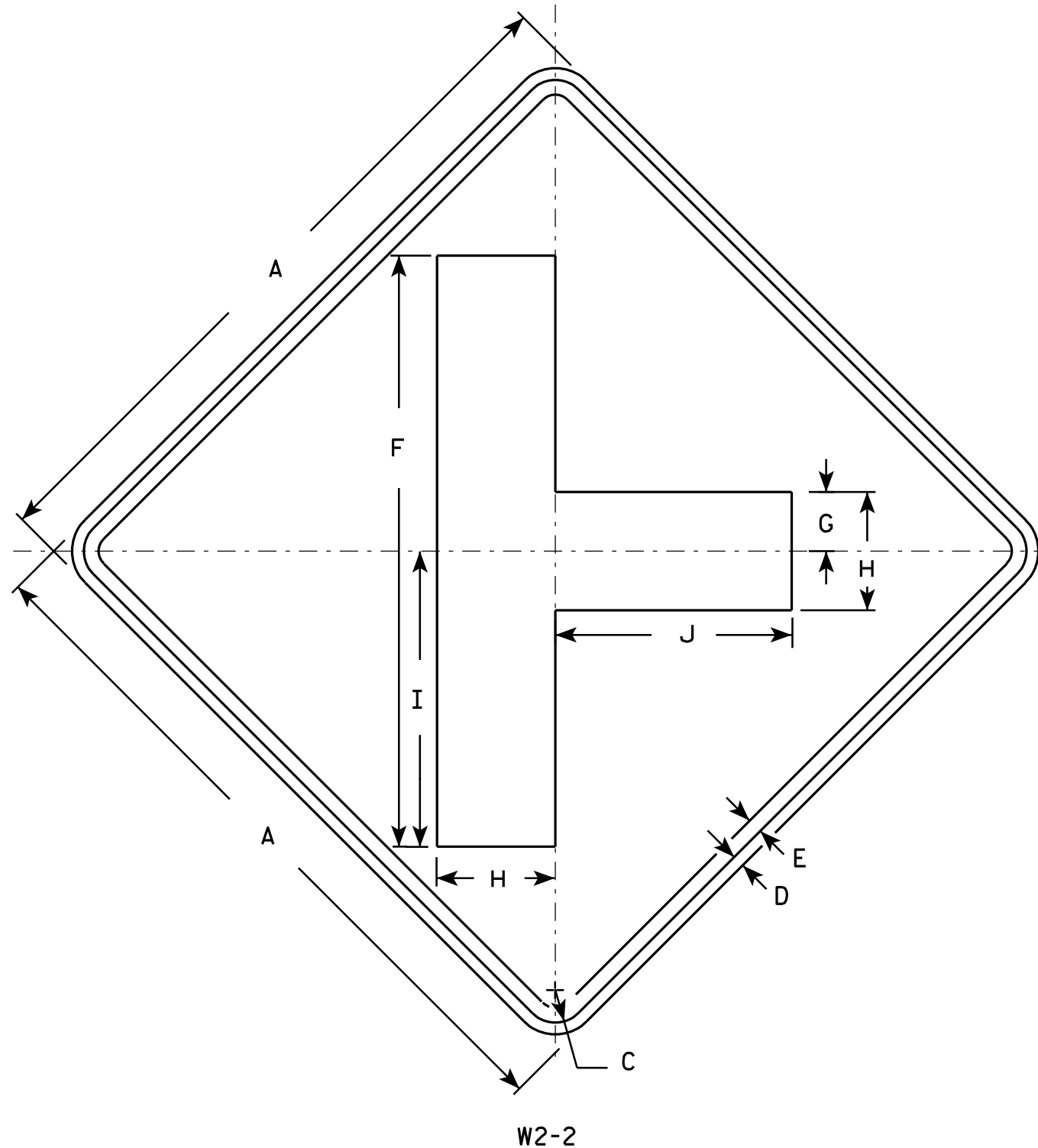
STANDARD SIGN W2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 5/29/12 PLATE NO. W2-1.9

PROJECT NO: HWY: COUNTY: SHEET NO: E



NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	20	2	4	10	8																	4.0
2S	30		1 3/8	1/2	5/8	25	2 1/2	5	12 1/2	10																	6.25
2M	30		1 3/8	1/2	5/8	25	2 1/2	5	12 1/2	10																	6.25
3	36		1 5/8	5/8	3/4	30	3	6	15	12																	9.0
4	48		2 1/4	3/4	1	40	4	8	20	16																	16.0
5																											

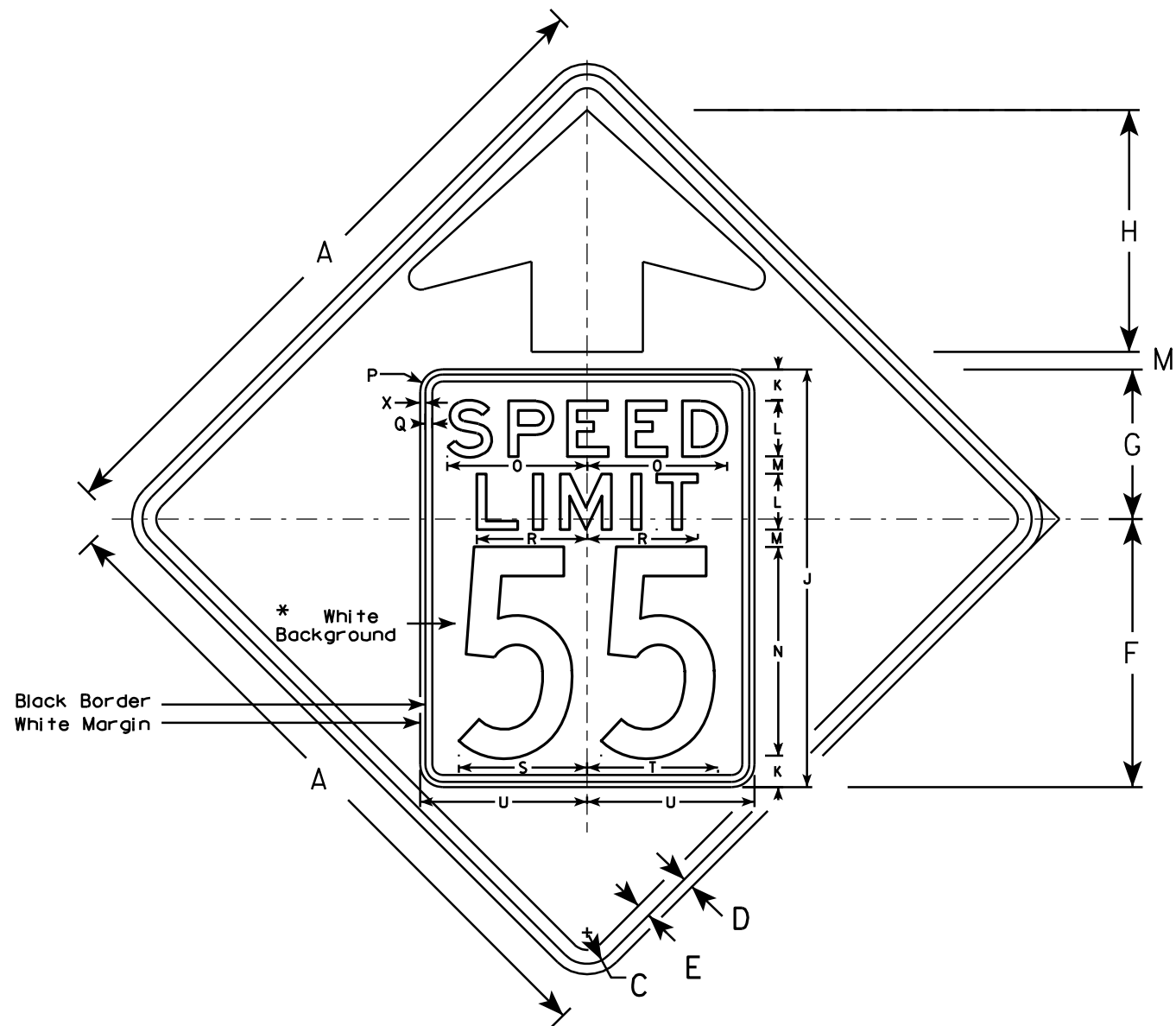
STANDARD SIGN W2-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 5/29/12 PLATE NO. W2-2.6

PROJECT NO: HWY: COUNTY: SHEET NO: E

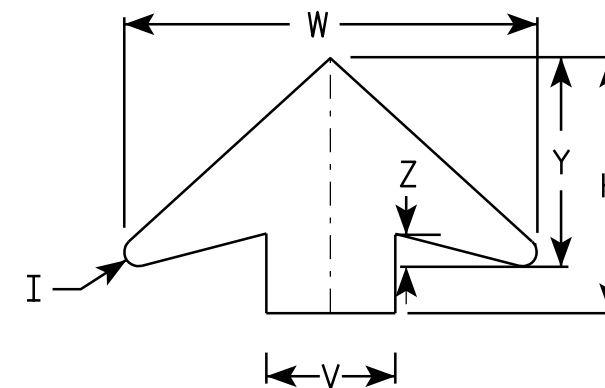


W3-5

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color: *
Background - YELLOW*
Message - BLACK
3. Message Series - C for numbers Series E for wording
4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance

*Speed Limit Sign shall have a White Background



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36		1 5⁄8	5⁄8	3⁄4	14 1⁄2	9 1⁄2	11 1⁄2	5⁄8	24	2	3	1	12	7 1⁄8	1 1⁄2	3⁄8	5 3⁄4	7 1⁄4	7 1⁄8	9	6	19 1⁄4	3⁄8	9 3⁄4	1 5⁄8	9.0
2M	36		1 5⁄8	5⁄8	3⁄4	14 1⁄2	9 1⁄2	11 1⁄2	5⁄8	24	2	3	1	12	7 1⁄8	1 1⁄2	3⁄8	5 3⁄4	7 1⁄4	7 1⁄8	9	6	19 1⁄4	3⁄8	9 3⁄4	1 5⁄8	9.0
3	36		1 5⁄8	5⁄8	3⁄4	14 1⁄2	9 1⁄2	11 1⁄2	5⁄8	24	2	3	1	12	7 1⁄8	1 1⁄2	3⁄8	5 3⁄4	7 1⁄4	7 1⁄8	9	6	19 1⁄4	3⁄8	9 3⁄4	1 5⁄8	9.0
4	48		2 1⁄4	3⁄4	1	19 1⁄4	10 3⁄4	17 3⁄8	7⁄8	30	2 1⁄4	4	1 1⁄4	15	10	1 5⁄8	1⁄2	8	9 1⁄4	9 3⁄8	12	8	25 5⁄8	3⁄8	13	2	16.0
5	48		2 1⁄4	3⁄4	1	19 1⁄4	10 3⁄4	17 3⁄8	7⁄8	30	2 1⁄4	4	1 1⁄4	15	10	1 5⁄8	1⁄2	8	9 1⁄4	9 3⁄8	12	8	25 5⁄8	3⁄8	13	2	16.0

STANDARD SIGN

W3-5

WISCONSIN DEPT OF TRANSPORTATION

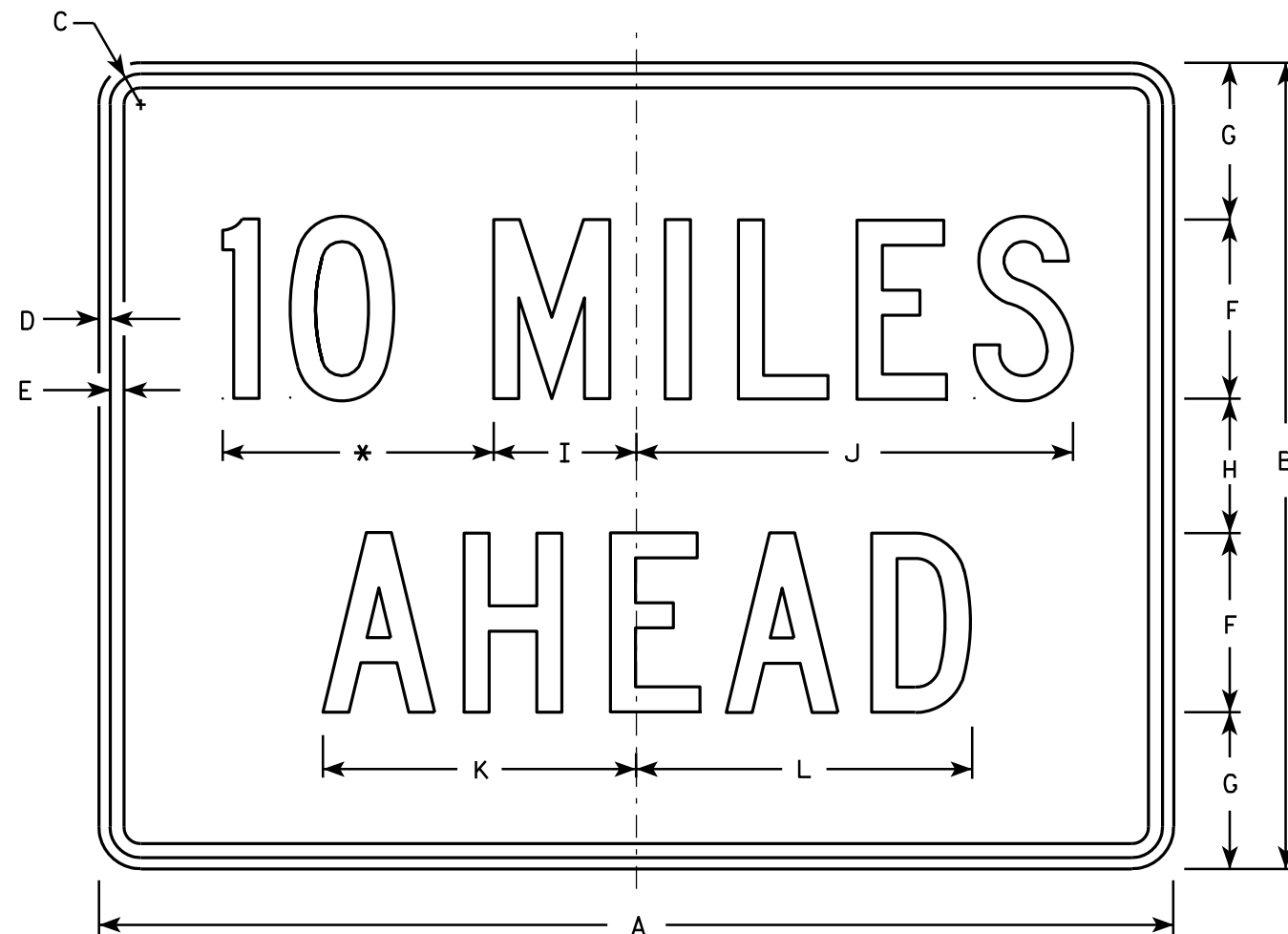
APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 5/29/12 PLATE NO. W3-5.5

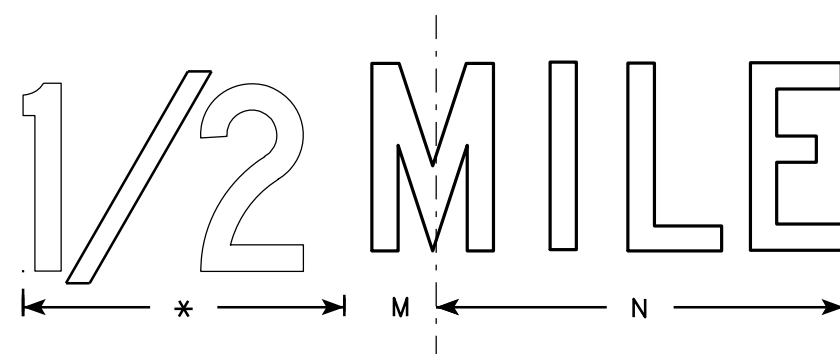
PROJECT NO:

SHEET NO:

E



W57-52



* See note 5

NOTES

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

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	18	1 1/8	3/8	1/2	4	3 1/2	3	3 1/8	9 3/4	7	7 1/2	1 3/8	8 3/4													3.0
2S	36	24	1 1/8	3/8	1/2	6	4 1/2	3	4 3/4	14 5/8	10 5/8	11 3/8	2	13													6.0
2M	36	24	1 1/8	3/8	1/2	6	4 1/2	3	4 3/4	14 5/8	10 5/8	11 3/8	2	13													6.0
3	36	24	1 1/8	3/8	1/2	6	4 1/2	3	4 3/4	14 5/8	10 5/8	11 3/8	2	13													6.0
4	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	17 3/8													12.0
5	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	17 3/8													12.0

STANDARD SIGN W57-52

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
State Traffic Engineer
DATE 3/13/13 for PLATE NO. W57-52.7

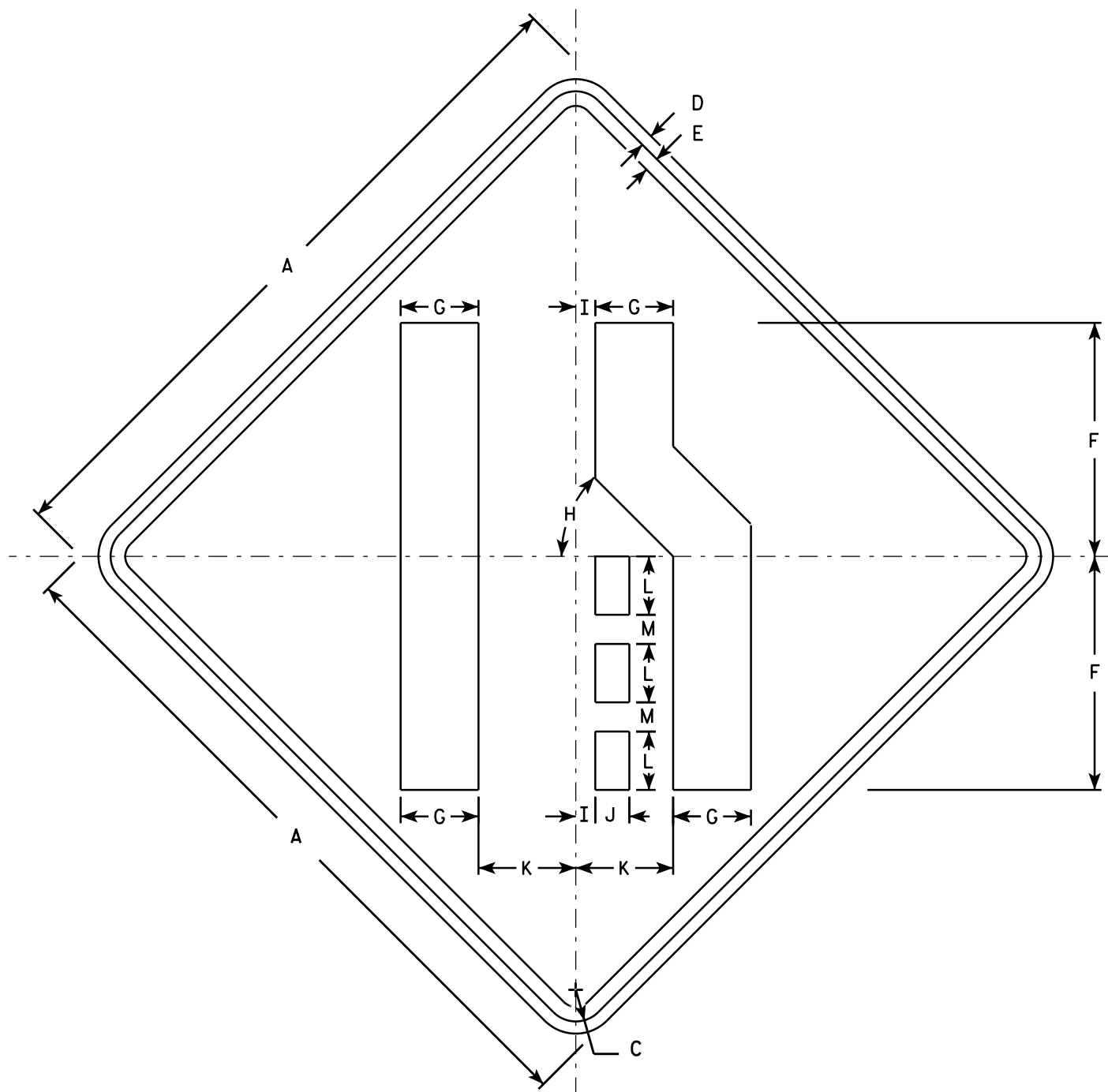
PROJECT NO:

HWY:

COUNTY:

SHEET NO:

E



W04-2R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Orange
Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W04-2L is the same as W04-2R except the symbol is reversed along the vertical centerline.

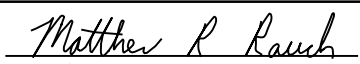
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2S	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
2M	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
3	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
4	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

STANDARD SIGN

W04-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

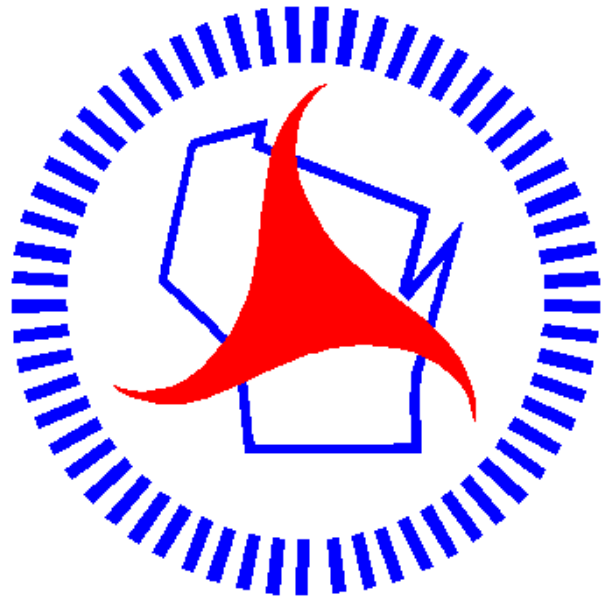


Matthew R. Rauch
For State Traffic Engineer

DATE 11/20/13

PLATE NO. W04-2.1

Notes



Wisconsin Department of Transportation

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through innovation and exceptional service.

<http://www.dot.wisconsin.gov>