

MAD  
PROJECT ID: 5271-08-72  
WITH:

JULY 2013

ORDER OF SHEETS

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

TOTAL SHEETS = 30

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION  
PLAN OF PROPOSED IMPROVEMENT  
SAUK CITY - ARLINGTON  
(PULVERMACHER ROAD TO GASTROW ROAD)  
STH 60  
COLUMBIA COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5271-08-72	WISC 2013334	1

STATE PROJECT NUMBER  
5271-08-72



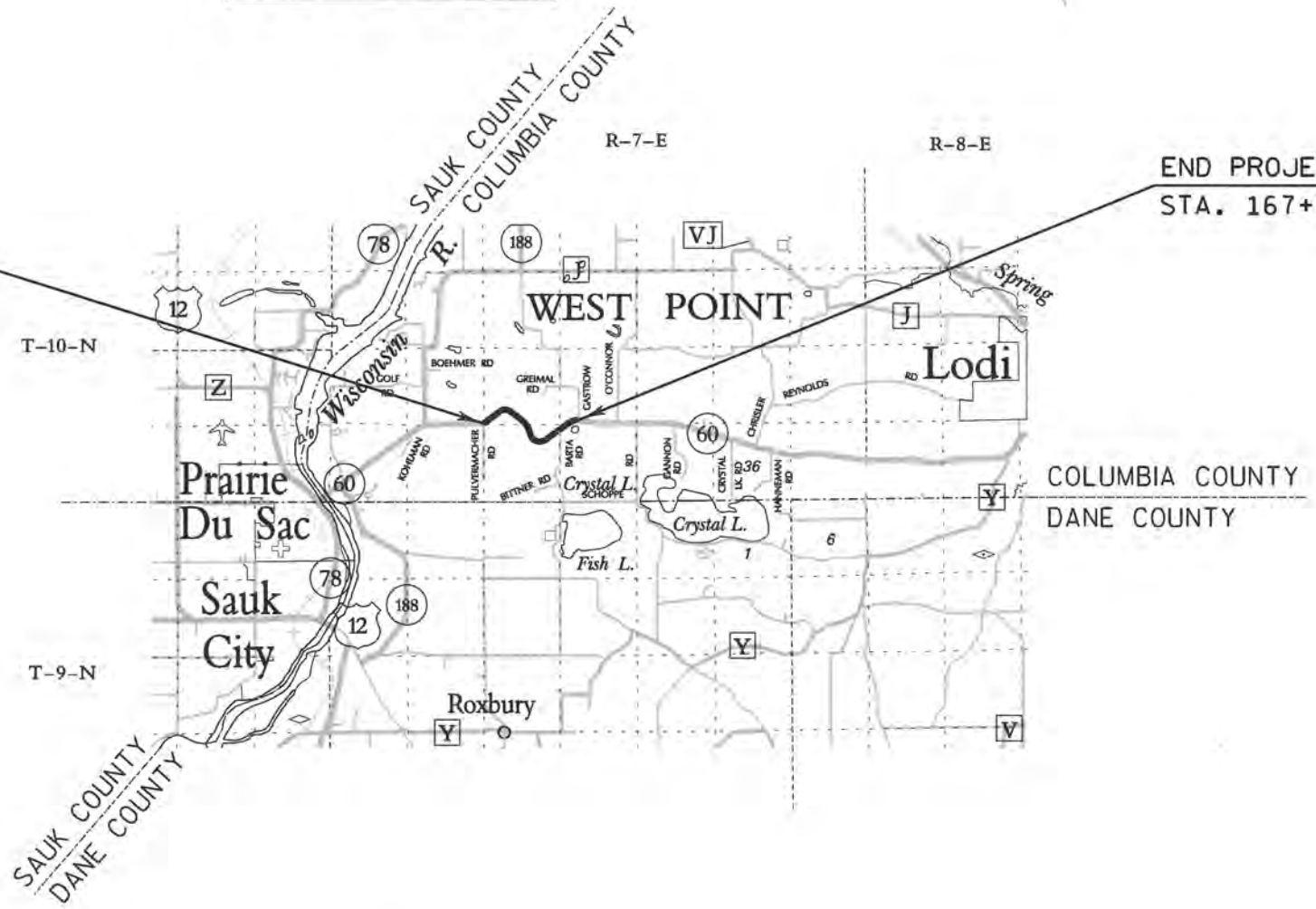
DESIGN DESIGNATION

A.A.D.T. 2012	=	3440
A.A.D.T.	=	N/A
D.H.V.	=	N/A
D.D.	=	N/A
T.	=	N/A
DESIGN SPEED	=	60 mph
ESALS	=	N/A

CONVENTIONAL SYMBOLS

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



LAYOUT  
SCALE 0 1.14 MI.

TOTAL NET LENGTH OF CENTERLINE = 1.690 MI.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN STATE PLANE COORDINATE SYSTEM (WSPCS), SOUTH ZONE.

ORIGINAL PLANS PREPARED BY



1/8/2013  
(Date) Gary Sassman  
(Signature)

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	N/A
Designer	DAAR ENGINEERING, INC.
Project Manager	MAHESH SHRESTHA
Regional Examiner	
Regional Supervisor	SCOTT LAWRY
C.O. Examiner	

APPROVED FOR THE DEPARTMENT  
DATE: 1-8-13  
(Signature)

E

THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO CONSTRUCTION. ANY UTILITY THAT IS NOT A MEMBER OF DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.

DIMENSIONS GIVEN FOR EXISTING FEATURES SHALL BE CONSIDERED AS APPROXIMATE AND MEASURED IN THE FIELD FOR MATCHING PURPOSES.

DISTURBED AREAS WITHIN THE RIGHT OF WAY THAT ARE NOT INCIDENTAL TO CONTRACT WORK ITEMS ARE TO BE FERTILIZED, SEEDED, MATTED AND/OR MULCHED AS DIRECTED BY THE ENGINEER. PAYMENT FOR THE RESTORATION OF THE DISTURBED AREAS WILL BE INCIDENTAL TO ITEM 213.0100 FINISHING ROADWAY (Project).

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

THE QUANTITY OF SHOULDER RUMBLE STRIPS DOES NOT INCLUDE THE TYPICAL 12 FOOT GAP.

TEMPORARY RAISED PAVEMENT MARKERS ARE TO BE PLACED AT 100'INTERVALS, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

AGENCY CONTACTS

WISDOT SW REGION  
MAHESH SHRESTHA  
2101 WRIGHT ST.  
MADISON, WI 53704  
(608) 245-2674  
mahesh.shrestha@dot.wi.gov

Design Consultant  
Gary Sassman  
1400 E Washington Ave, Suite 262  
Madison, WI 53703  
(608) 249-0140  
gary.sassman@daarcorp.com

DNR Contact  
Ms. Cathy Bleser  
Wisconsin Department of Natural Resources  
3911 Fish Hatchery Road  
Fitchburg, WI 53711

UTILITY CONTACTS

Jason Hogan  
Alliant Energy - Electricity  
Suite 1000  
4902 N Biltmore Lane  
Madison, WI 53718  
(608) 458-4871  
jasonhogan@alliantenergy.com

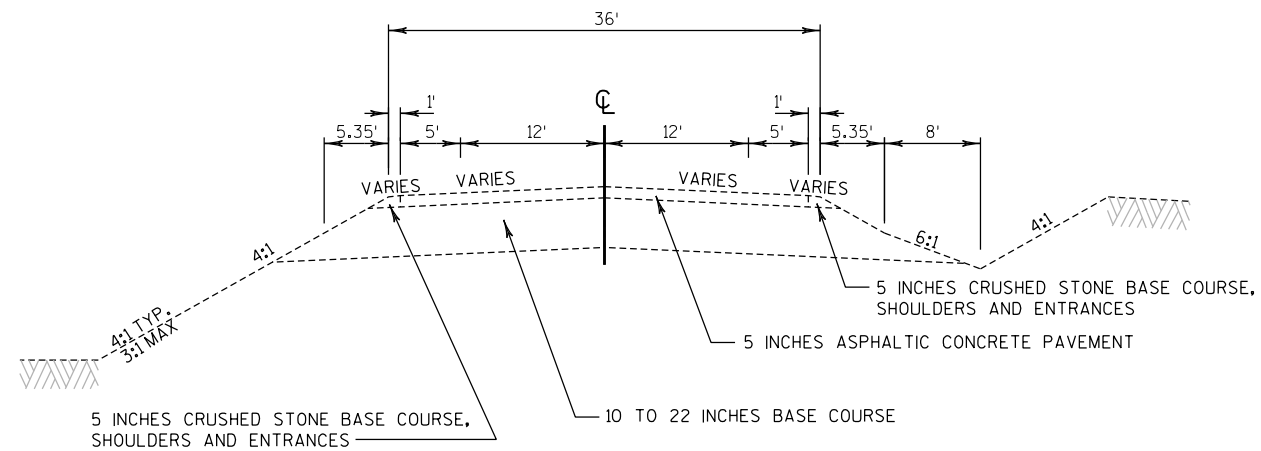
Mike Olsen  
ATC Management, Inc. - Electricity  
8010 Keefe Rd  
P.O. Box 6113  
De Pere, WI 54115-6113  
(920) 338-6582  
molsen@atcinc.com



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

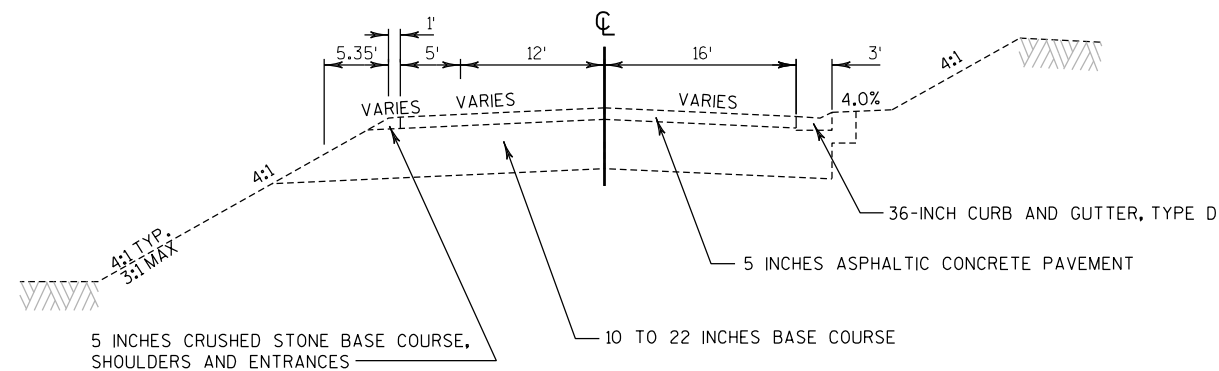
ABBREVIATIONS

ABUT	ABUTMENT
AC	ACRE
A.D.T.	AVERAGE DAILY TRAFFIC
AP	ACCESS POINT
B.F.	BACK FACE
B&B	BALLED AND BURLAPPED
B.M.	BENCH MARK
B.O.P.	BEGIN OF PROJECT
CL	CENTER LINE
CTR.	CENTER
CE	COMMERCIAL ENTRANCE
CY	CUBIC YARD
CPCS	CULVERT PIPE CORRUGATED STEEL
CPRCHE	CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
CPRC	CULVERT PIPE REINFORCED CONCRETE
C&G	CURB AND GUTTER
D.H.V.	DESIGN HOURLY VOLUME
DIA.	DIAMETER
DIM.	DIMENSION
EL	ELEVATION
EW	END WALL
EBS	EXCAVATION BELOW SUBGRADE
E.O.P.	END OF PROJECT
EXC.	EXCAVATION
EXIST	EXISTING
F.F.	FRONT FACE
FE	FIELD ENTRANCE
FL	FLOW LINE
HT	HEIGHT
CWT	HUNDREDWEIGHT
IN DIA	INCH DIAMETER
INB	INLET
IEP	INSIDE EDGE OF PAVEMENT
INV	INVERT
IP	IRON PIPE
LT	LEFT
LHF	LEFT HAND FORWARD
MH	MANHOLE
ML	MATCH LINE
MAX.	MAXIMUM
MIN.	MINIMUM
NORM	NORMAL
O.H.	OVER HEAD POWER LINE
PLE	PERMANENT LIMITED EASEMENT
PACS	PIPE ARCH CORRUGATED STEEL
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PT	POINT OF TANGENCY
PE	PRIVATE ENTRANCE
PL	PROPERTY LINE
PB	PULL BOX
RAD.	RADIUS
REQD	REQUIRED
RT	RIGHT
RHF	RIGHT HAND FORWARD
R/W	RIGHT OF WAY
STA.	STATION
SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
SSPRCHE	STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
SE	SUPERELEVATION
STR.	STRUCTURE
TLE	TEMPORARY LIMITED EASEMENT
TYP.	TYPICAL
V.	DESIGN SPEED



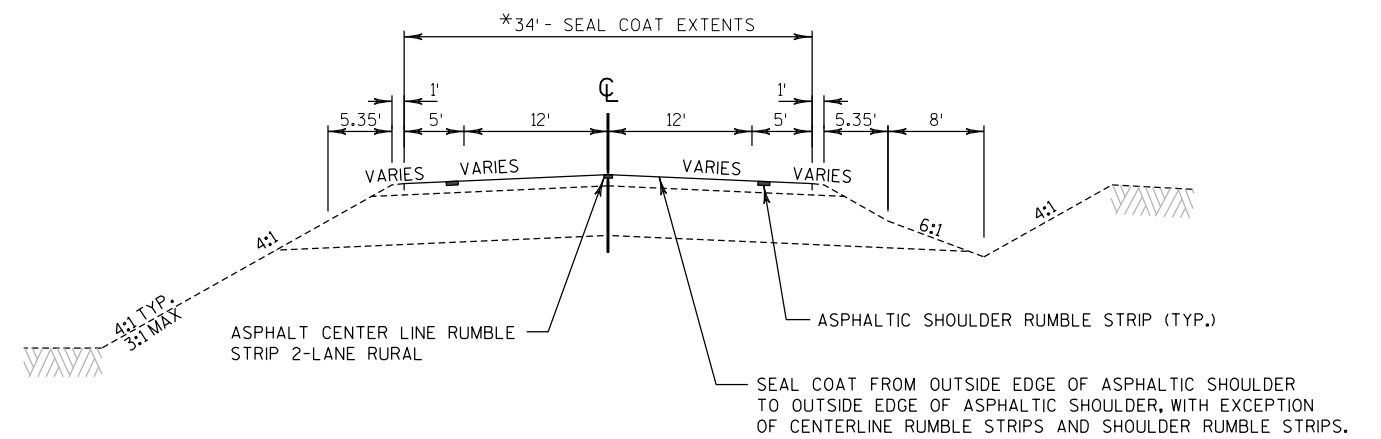
TYPICAL EXISTING SECTION  
STH 60

STA 78+05.16 TO STA 113+00  
STA 118+00 TO STA 167+30.35



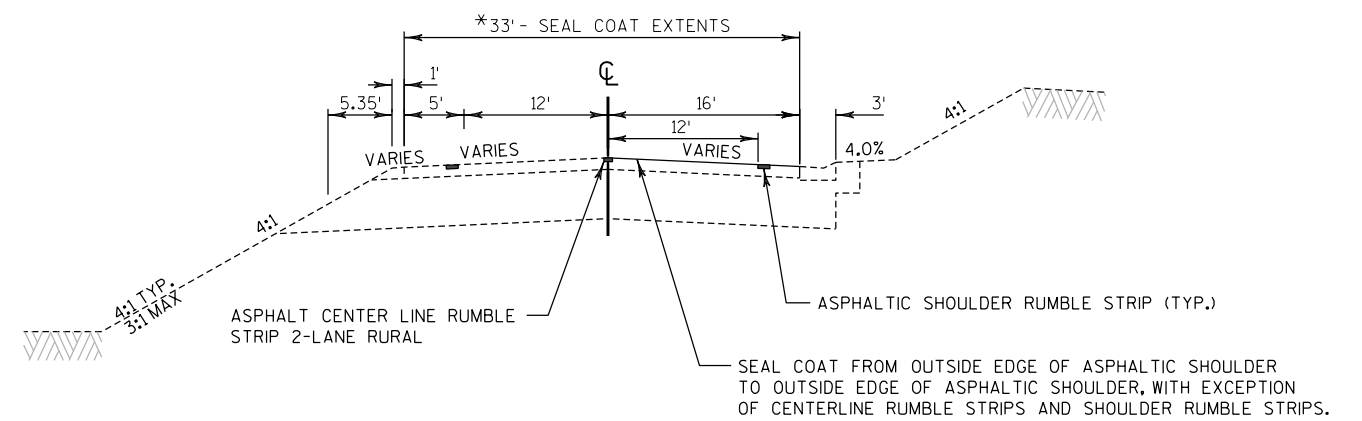
TYPICAL EXISTING SECTION  
STH 60

STA 113+00 TO STA 118+00



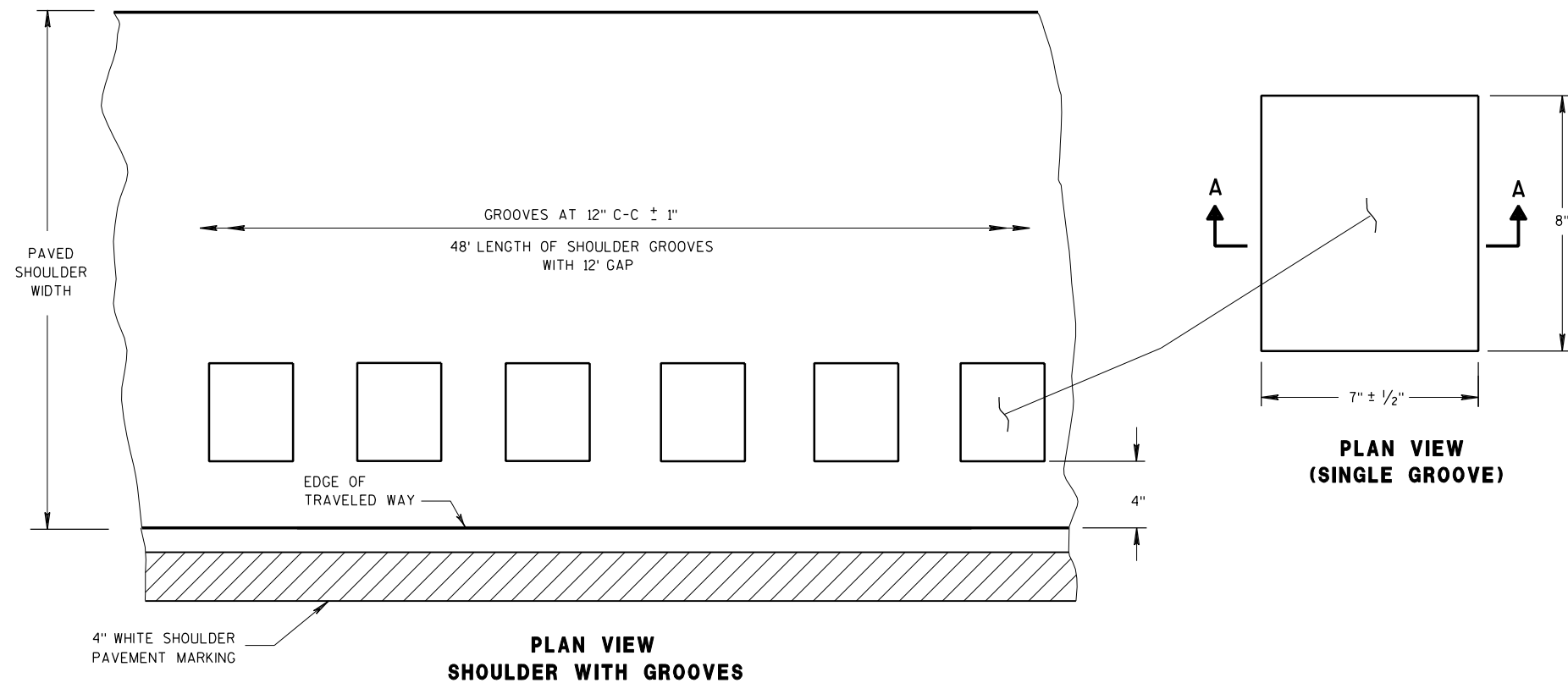
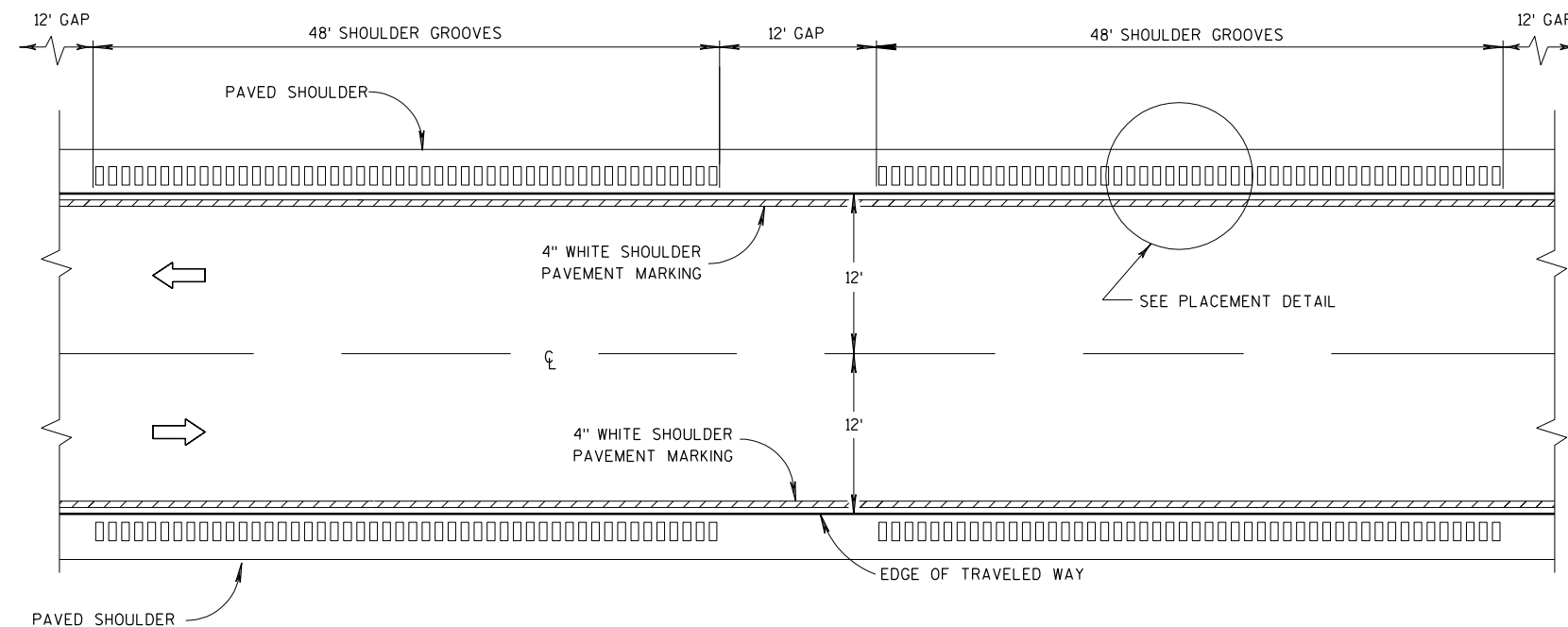
TYPICAL FINISHED SECTION  
STH 60

STA 78+05.16 TO STA 113+00  
STA 118+00 TO STA 167+30.35



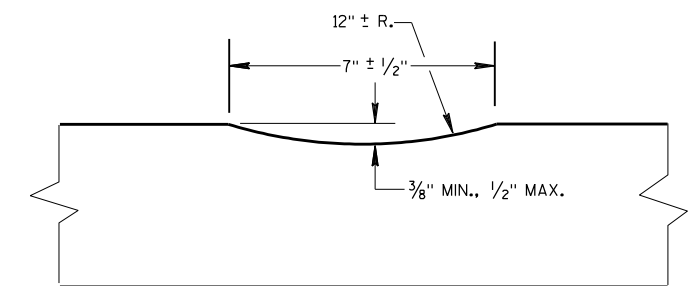
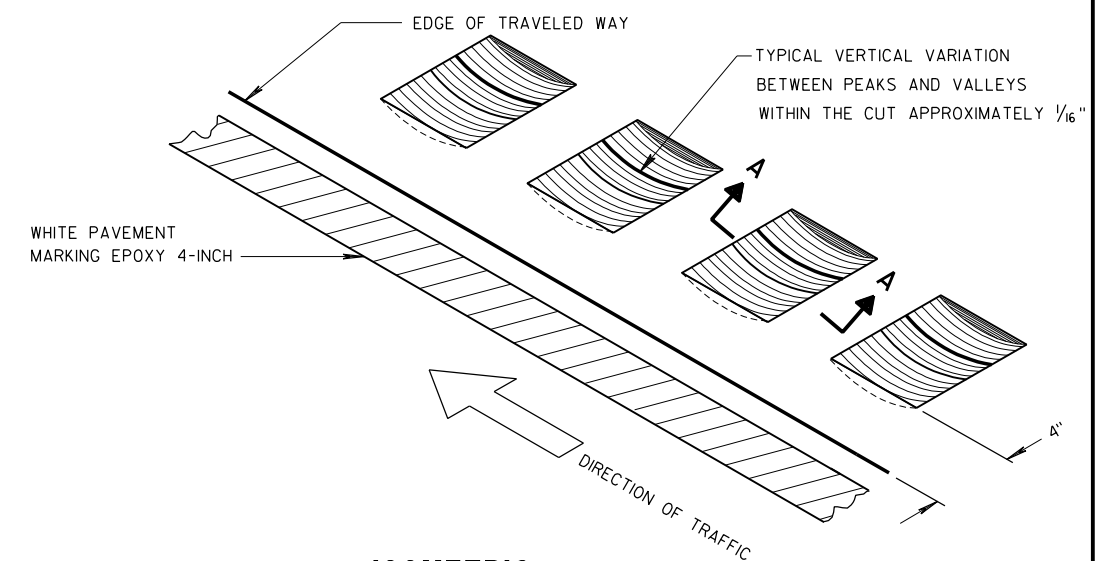
TYPICAL FINISHED SECTION  
STH 60

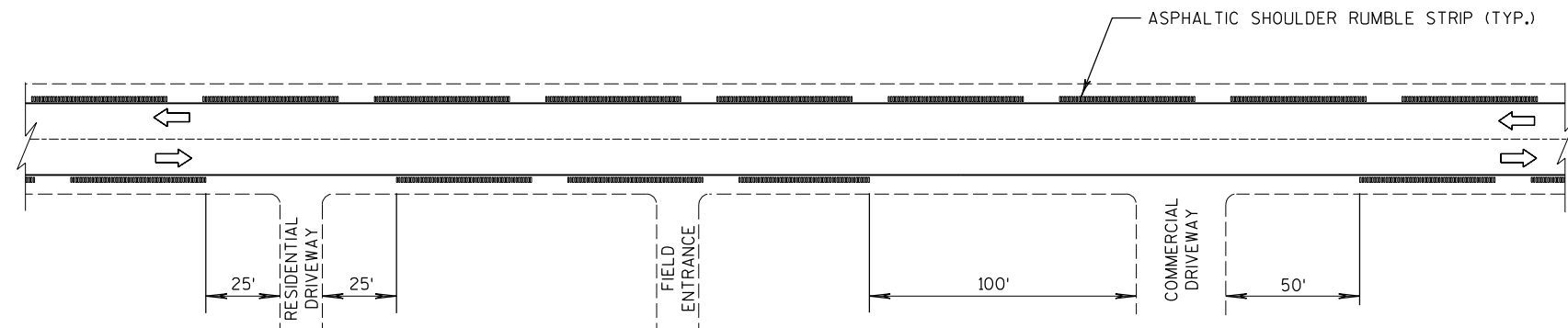
STA 113+00 TO STA 118+00

**PLACEMENT DETAIL FOR MILLED RUMBLE STRIP****2-LANE SHOULDER RUMBLE STRIP****GENERAL NOTES**

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

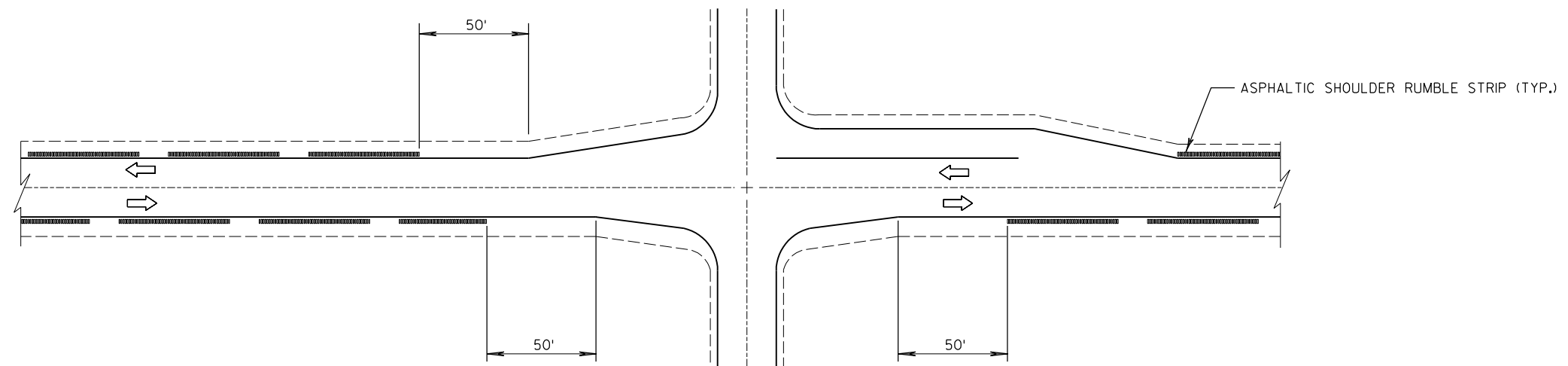
DO NOT MILL SHOULDER GROOVES THROUGH ANY NON-MOTORIZED PATH CROSSING OR SNOWMOBILE CROSSING.





### 2-LANE SHOULDER RUMBLE STRIP AT DRIVEWAYS <sup>①</sup>

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



### 2-LANE SHOULDER RUMBLE STRIP AT INTERSECTIONS

DATE 02MAY13		E S T I M A T E O F Q U A N T I T I E S			
LINE					5271-08-72
NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	QUANTITY
0010	213.0100	FINISHING ROADWAY (PROJECT) 01. 5271-08-72	EACH	1.000	1.000
0020	455.0505	ASPHALTIC MATERIAL SEAL COAT	GAL	14,300.000	14,300.000
0030	465.0400	ASPHALTIC SHOULDER RUMBLE STRIP	LF	12,600.000	12,600.000
0040	465.0475.S	ASPHALT CENTER LINE RUMBLE STRIP 2-LANE RURAL	LF	7,760.000	7,760.000
0050	619.1000	MOBILIZATION	EACH	1.000	1.000
0060	634.0616	POSTS WOOD 4X6-INCH X 16-FT	EACH	15.000	15.000
0070	634.0618	POSTS WOOD 4X6-INCH X 18-FT	EACH	10.000	10.000
0080	637.0202	SIGNS REFLECTIVE TYPE II	SF	215.000	215.000
0090	638.2602	REMOVING SIGNS TYPE II	EACH	21.000	21.000
0100	638.3000	REMOVING SMALL SIGN SUPPORTS	EACH	13.000	13.000
0110	642.5001	FIELD OFFICE TYPE B	EACH	1.000	1.000
0120	643.0100	TRAFFIC CONTROL (PROJECT) 01. 5271-08-72	EACH	1.000	1.000
0130	646.0106	PAVEMENT MARKING EPOXY 4-INCH	LF	33,500.000	33,500.000
0140	648.0100	LOCATING NO-PASSING ZONES	MI	1.690	1.690
0150	649.0200	TEMPORARY PAVEMENT MARKING REFLECTIVE PAINT 4-INCH	LF	33,500.000	33,500.000
0160	649.2100	TEMPORARY RAISED PAVEMENT MARKERS	EACH	90.000	90.000
0170	SPV.0070	SPECIAL 01. FOG SEAL	GAL	5,100.000	5,100.000
0180	SPV.0125	SPECIAL 01. PREPARE EXISTING PAVEMENT FOR ASPHALTIC SEAL COAT	MI	1.690	1.690
0190	SPV.0195	SPECIAL 01. SEAL COAT (SPECIAL)	TON	365.000	365.000

SEAL COAT AND FOG SEAL

CATEGORY 0010				455.0505 ASPHALT MATERIAL SEAL COAT GAL	SPV.0195.01 SEAL COAT (SPECIAL) TON	SPV.0070.01 FOG SEAL GAL
STATION	TO	STATION	LOCATION			
78+05	-	113+00	STH 60	5,600	145	2000
113+00	-	118+00	STH 60	800	20	300
118+00	-	167+30	STH 60	7,900	200	2800
PROJECT I.D. 5271-08-72 TOTAL				14,300	365	5,100

TYPE II SIGNS AND SUPPORTS

CATEGORY 0010				637.0202 SIGNS REFLECTIVE TYPE II	634.0616 POSTS WOOD 4" X 6" X 16'	634.0618 POSTS WOOD 4" X 6" X 18'
SIGN NO.	LOCATION	SIGN CODE	W X H	S.F.	EACH	EACH
1-1	STH 60, STA. 75+00, RT	W1-2L	30 x 30	6.25	-	1
1-2	STH 60, STA. 75+00, RT	W13-1	18 x 18	2.25	-	-
1-3	STH 60, STA. 78+05, RT	W8-70	36 x 36	9.00	-	1
1-4	STH 60, STA. 78+05, RT	W57-51	30 x 15	3.12	-	-
1-5	STH 60, STA. 80+25, RT	W1-6L	48 x 24	8.00	1	-
1-6	STH 60, STA. 81+75, RT	R1-1	30 x 30	6.25	1	-
1-7	STH 60, STA. 83+75, RT	W1-6R	48 x 24	8.00	1	-
1-8	STH 60, STA. 89+00, LT	W1-2R	30 x 30	6.25	-	1
1-9	STH 60, STA. 89+00, LT	W13-1	18 x 18	2.25	-	-
1-10	STH 60, STA. 91+50, RT	W1-2R	30 x 30	6.25	-	1
1-11	STH 60, STA. 91+50, RT	W13-1	18 x 18	2.25	-	-
1-12	STH 60, STA. 96+50, LT	W1-6R	48 x 24	8.00	1	-
1-13	STH 60, STA. 102+00, LT	W1-6L	48 x 24	8.00	1	-
1-14	STH 60, STA. 108+50, LT	W1-2L	30 x 30	6.25	-	1
1-15	STH 60, STA. 108+50, LT	W13-1	18 x 18	2.25	-	-
1-16	STH 60, STA. 109+00, RT	W1-4R	30 x 30	6.25	-	1
1-17	STH 60, STA. 109+00, RT	W13-1	18 x 18	2.25	-	-
1-18	STH 60, STA. 116+40, LT	W1-6R	48 x 24	8.00	1	-
1-19	STH 60, STA. 120+90, LT	W1-6L	48 x 24	8.00	1	-
1-20	STH 60, STA. 126+80, RT	W1-6L	48 x 24	8.00	1	-
1-21	STH 60, STA. 136+20, RT	W1-6R	48 x 24	8.00	1	-
1-22	STH 60, STA. 141+50, LT	W1-4R	30 x 30	6.25	-	1
1-23	STH 60, STA. 141+50, LT	W13-1	18 x 18	2.25	-	-
1-24	STH 60, STA. 147+00, RT	W14-3	48 x 36	12.00	1	-
1-25	STH 60, STA. 149+00, LT	W14-3	48 x 36	12.00	1	-
1-26	STH 60, STA. 149+40, RT	R1-1	30 x 30	6.25	1	-
1-27	STH 60, STA. 155+50, RT	W1-2R	30 x 30	6.25	-	1
1-28	STH 60, STA. 155+50, RT	W13-1	18 x 18	2.25	-	-
1-29	STH 60, STA. 160+50, LT	W1-6R	48 x 24	8.00	1	-
1-30	STH 60, STA. 164+90, LT	W1-6L	48 x 24	8.00	1	-
1-31	STH 60, STA. 165+25, LT	R1-1	30 x 30	6.25	1	-
1-32	STH 60, STA. 167+50, LT	W8-70	36 x 36	9.00	-	1
1-33	STH 60, STA. 167+50, LT	W57-51	30 x 15	3.12	-	-
1-34	STH 60, STA. 170+00, LT	W1-2L	30 x 30	6.25	-	1
1-35	STH 60, STA. 170+00, LT	W13-1	18 x 18	2.25	-	-
PROJECT 5271-08-72 TOTALS				215.00	15	10

ASPHALTIC CENTERLINE AND SHOULDER RUMBLE STRIPS

CATEGORY 0010				465.0400 ASPHALTIC SHOULDER RUMBLE STRIP LF	465.0475.S ASPHALT CENTER LINE RUMBLE STRIP 2-LANE RURAL LF
STATION	TO	STATION	LOCATION		
78+05	-	79+35	STH 60 - CENTERLINE	-	130
83+35	-	146+95	STH 60 - CENTERLINE	-	6360
150+95	-	163+60	STH 60 - CENTERLINE	-	1265
78+05	-	81+15	STH 60 - LT SHOULDER	250	-
83+70	-	103+90	STH 60 - LT SHOULDER	1620	-
104+75	-	115+20	STH 60 - LT SHOULDER	840	-
116+25	-	118+80	STH 60 - LT SHOULDER	200	-
119+40	-	144+30	STH 60 - LT SHOULDER	1990	-
145+15	-	149+85	STH 60 - LT SHOULDER	380	-
150+65	-	163+60	STH 60 - LT SHOULDER	1040	-
78+05	-	79+35	STH 60 - RT SHOULDER	100	-
83+35	-	105+45	STH 60 - RT SHOULDER	1770	-
106+40	-	118+80	STH 60 - RT SHOULDER	990	-
119+40	-	119+80	STH 60 - RT SHOULDER	40	-
120+40	-	146+95	STH 60 - RT SHOULDER	2120	-
150+95	-	155+90	STH 60 - RT SHOULDER	400	-
156+70	-	167+30	STH 60 - RT SHOULDER	850	-
PROJECT I.D. 5271-08-72 TOTAL				12,600	7,760

REMOVING SIGNS TYPE II AND SMALL SIGN SUPPORTS

CATEGORY 0010		638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH
LOCATION			
STH 60, STA. 71+25, RT		2	1
STH 60, STA. 81+75, RT		1	1
STH 60, STA. 87+00, RT		2	1
STH 60, STA. 93+00, LT		2	1
STH 60, STA. 106+20, RT		2	1
STH 60, STA. 112+00, LT		2	1
STH 60, STA. 146+00, LT		2	1
STH 60, STA. 147+00, RT		1	1
STH 60, STA. 149+00, LT		1	1
STH 60, STA. 149+40, RT		1	1
STH 60, STA. 152+00, RT		2	1
STH 60, STA. 165+25, LT		1	1
STH 60, STA. 173+00, LT		2	1
		21	13

PAVEMENT MARKING

CATEGORY 0010

				646.0106	649.0200	
				PAVEMENT MARKING EPOXY 4-INCH LF	TEMPORARY PAVEMENT MARKING REFLECTIVE PAINT 4-INCH LF	COMMENTS
STATION	TO	STATION	LOCATION			
78+00	-	81+00	STH 60 - CENTERLINE, DASHED AND SOLID	400	400	YELLOW
81+00	-	136+00	STH 60 - CENTERLINE, DOUBLE SOLID	11,000	11,000	YELLOW
136+00	-	147+00	STH 60 - CENTERLINE, DASHED AND SOLID	1,400	1,400	YELLOW
147+00	-	149+50	STH 60 - CENTERLINE, DASHED	70	70	YELLOW
149+50	-	160+50	STH 60 - CENTERLINE, DASHED AND SOLID	1,380	1,380	YELLOW
160+50	-	167+30	STH 60 - CENTERLINE, DOUBLE SOLID	1,350	1,350	YELLOW
78+05	-	167+30	STH 60 - RT EDGELINE	8,950	8,950	WHITE
78+05	-	167+30	STH 60 - LT EDGELINE	8,950	8,950	WHITE
PROJECT I.D. 5271-08-72 TOTAL				33,500	33,500	

TEMPORARY RAISED PAVEMENT MARKERS

CATEGORY 0010

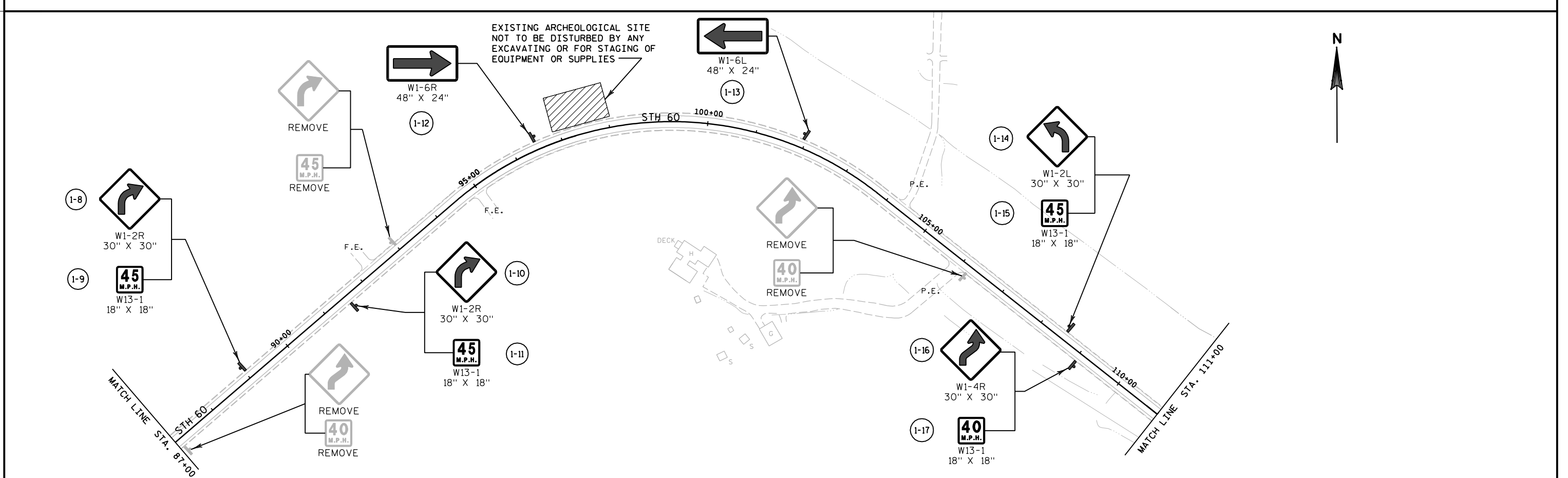
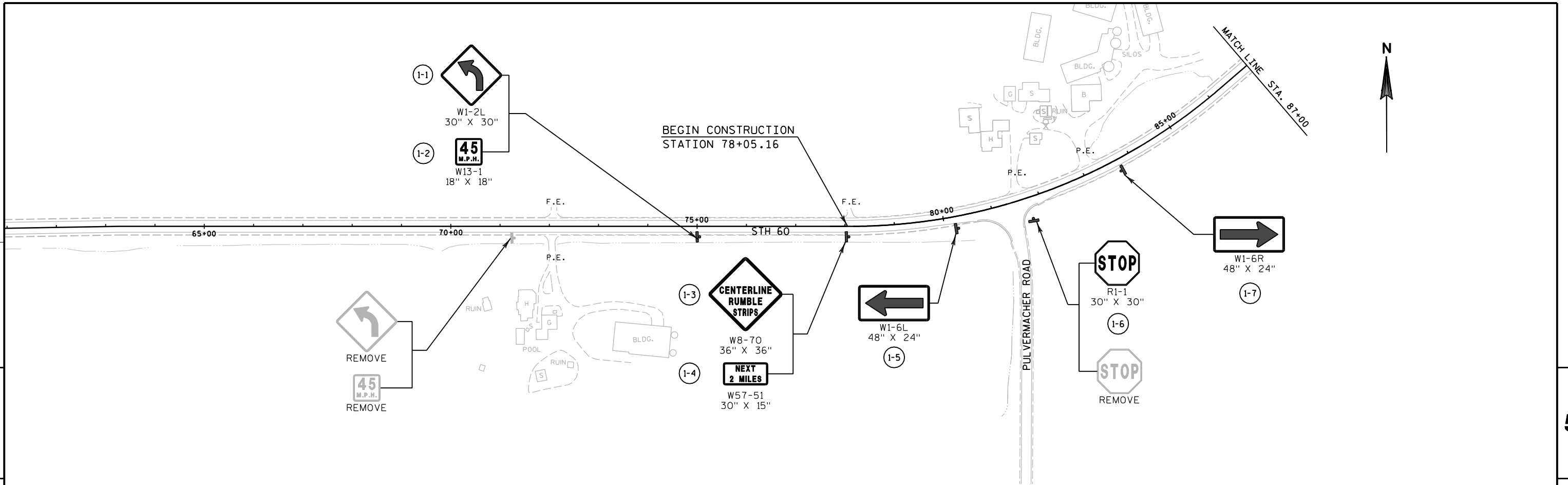
				649.2100	
				TEMPORARY RAISED PAVEMENT MARKERS EACH	COMMENTS
STATION	TO	STATION	LOCATION		
78+05	-	167+30	STH 60	90	100' SPACING (TYP.)
PROJECT I.D. 5271-08-72 TOTAL				90	

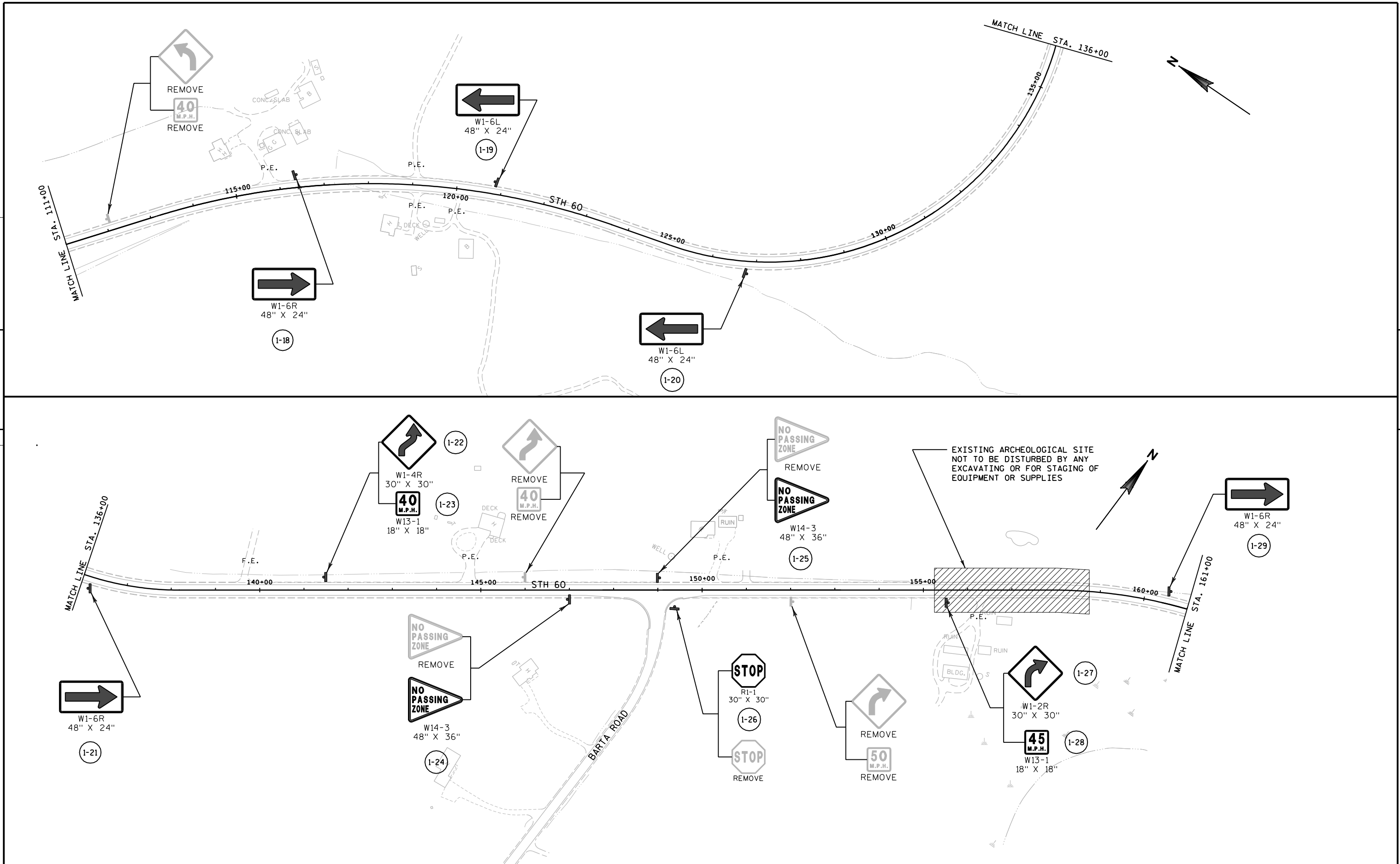
LOCATING NO-PASSING ZONES AND PREPARING PAVEMENT FOR SEAL COAT

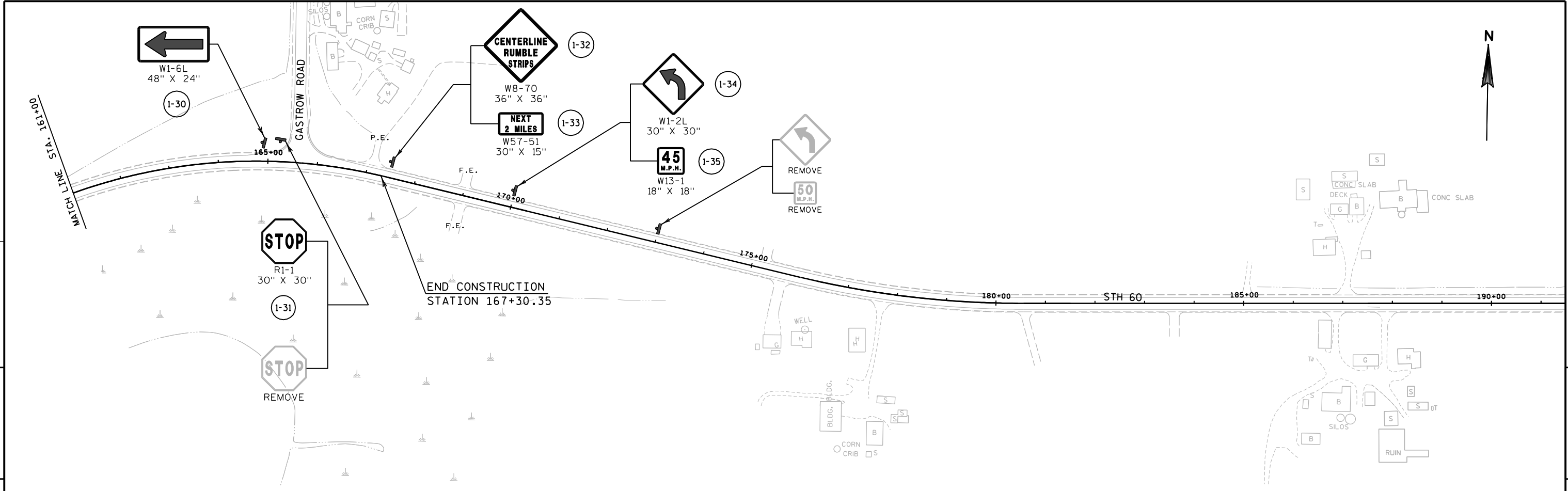
CATEGORY 0010

				648.0100	SPV.0125.01
				LOCATING NO-PASSING ZONES MI	PREPARE EXISTING PAVEMENT FOR ASPHALTIC SEAL COAT MI
STATION	TO	STATION	LOCATION		
78+05	-	167+30	STH 60	1.69	1.69
PROJECT I.D. 5271-08-72 TOTAL				1.69	1.69



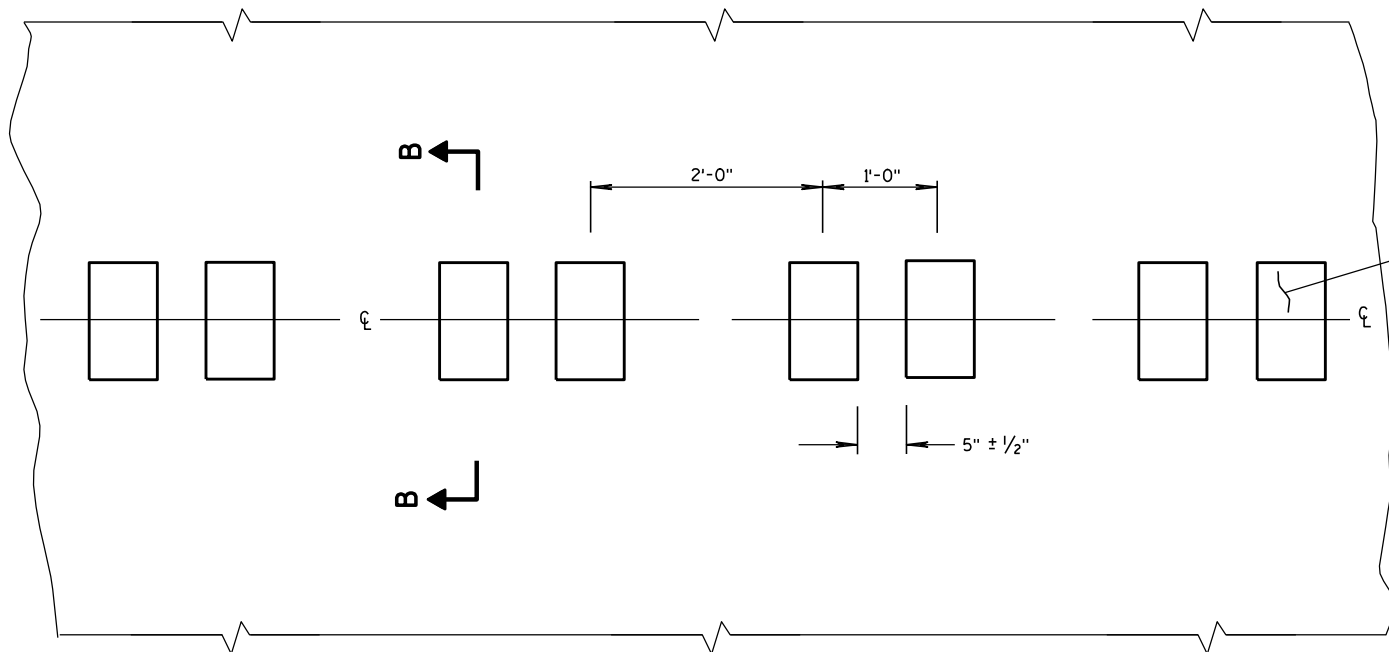






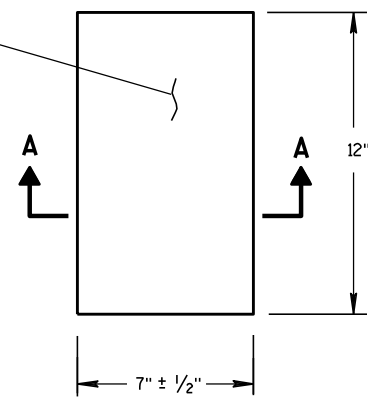
Standard Detail Drawing List

13A11-01A	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13A11-01B	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
15C08-15A	PAVEMENT MARKING (MAINLINE)
15C08-15B	PAVEMENT MARKING (INTERSECTIONS)
15C12-03	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)



PLAN VIEW  
CENTER LINE WITH GROOVES

PLACEMENT DETAIL FOR MILLED RUMBLE STRIP



PLAN VIEW  
(SINGLE GROOVE)

GENERAL NOTES

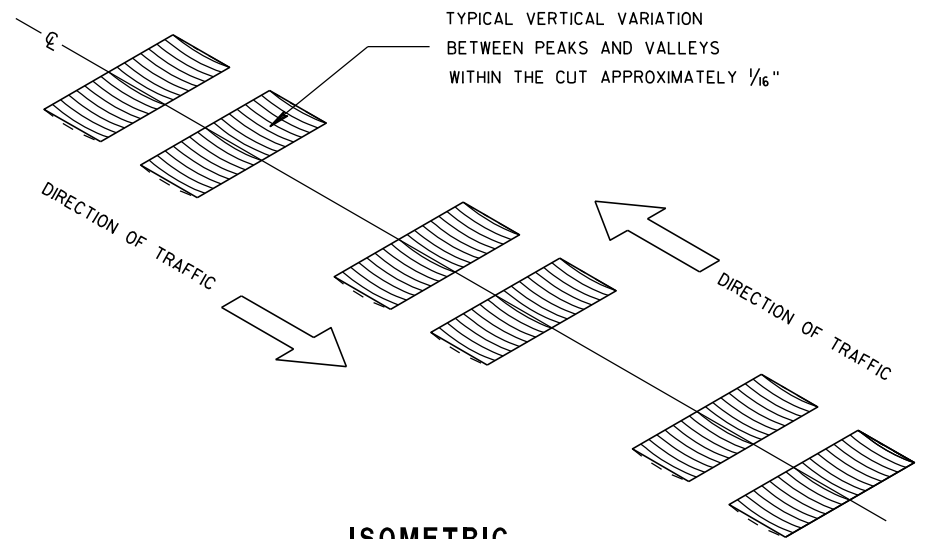
DETAILS OF CONSTRUCTION SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

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

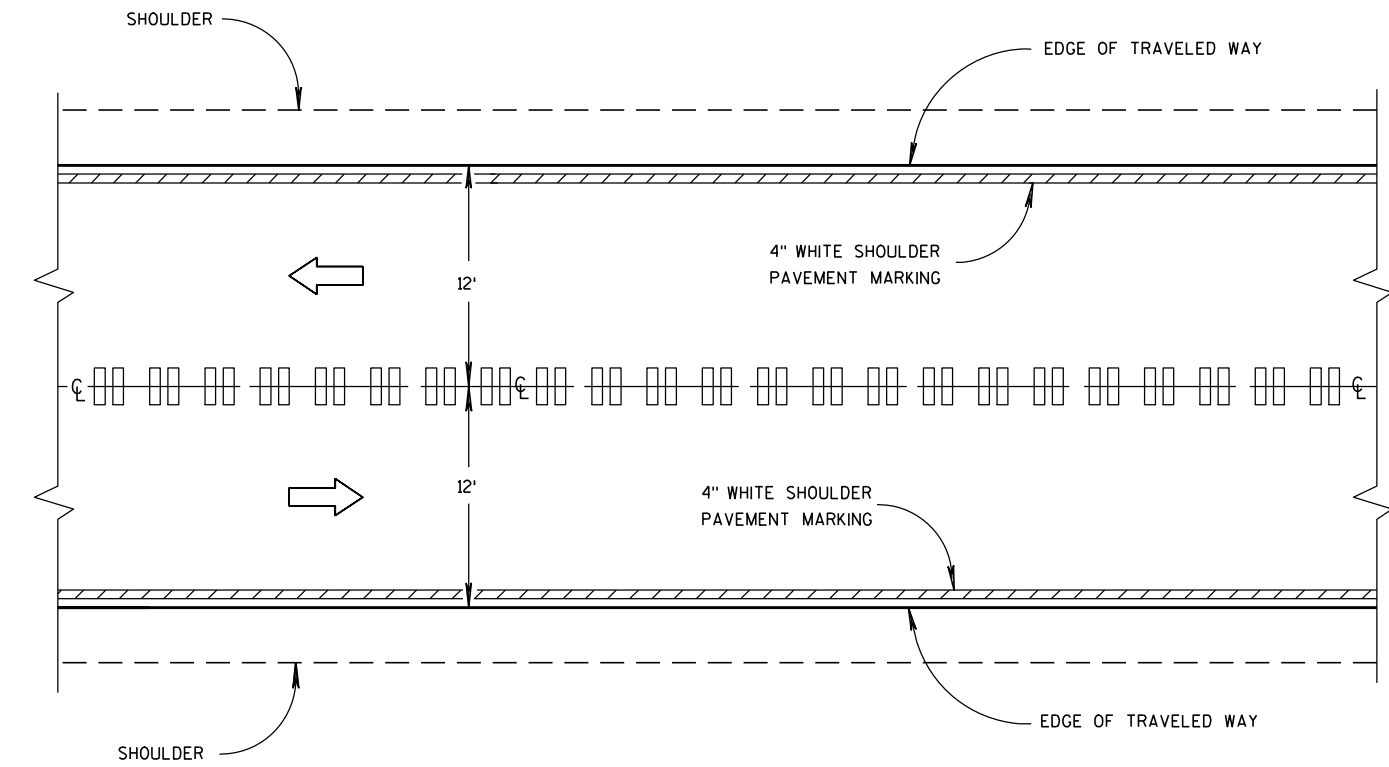
INSTALL PAVEMENT MARKING AFTER THE GROOVES ARE INSTALLED.

SEE SIGNING PLAN FOR SIGN REQUIREMENTS THAT MAY BE NEEDED.

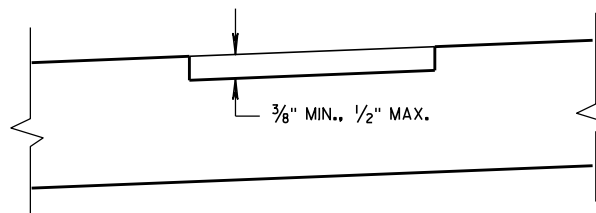
- ① CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS, WHEN DIRECTED BY THE ENGINEER.



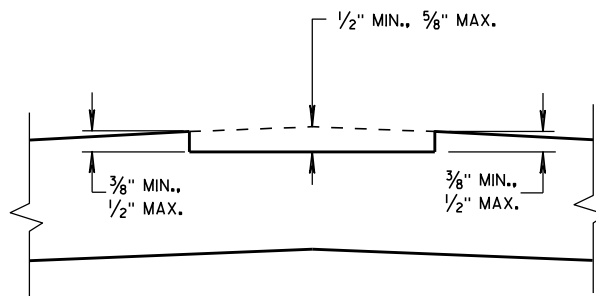
ISOMETRIC



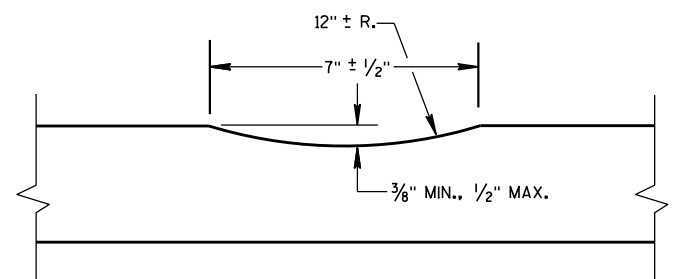
CENTER LINE GROOVES ON TWO-WAY ROADWAYS



SECTION B-B  
SUPERELEVATED ROADWAY



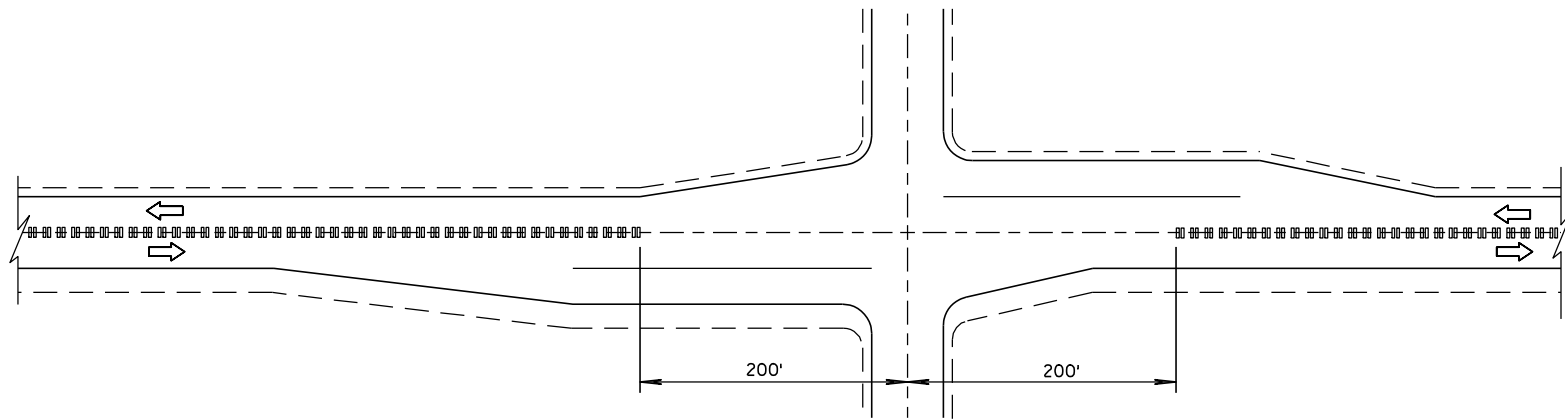
SECTION B-B  
CROWNED ROADWAY



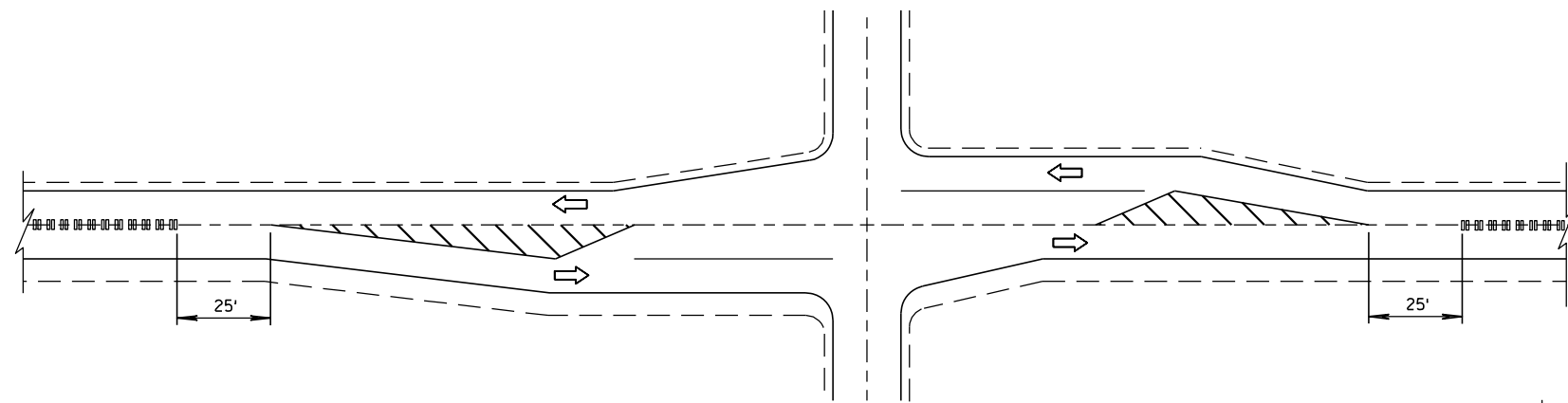
SECTION A-A

2-LANE RURAL  
CENTER LINE RUMBLE STRIP,  
MILLING

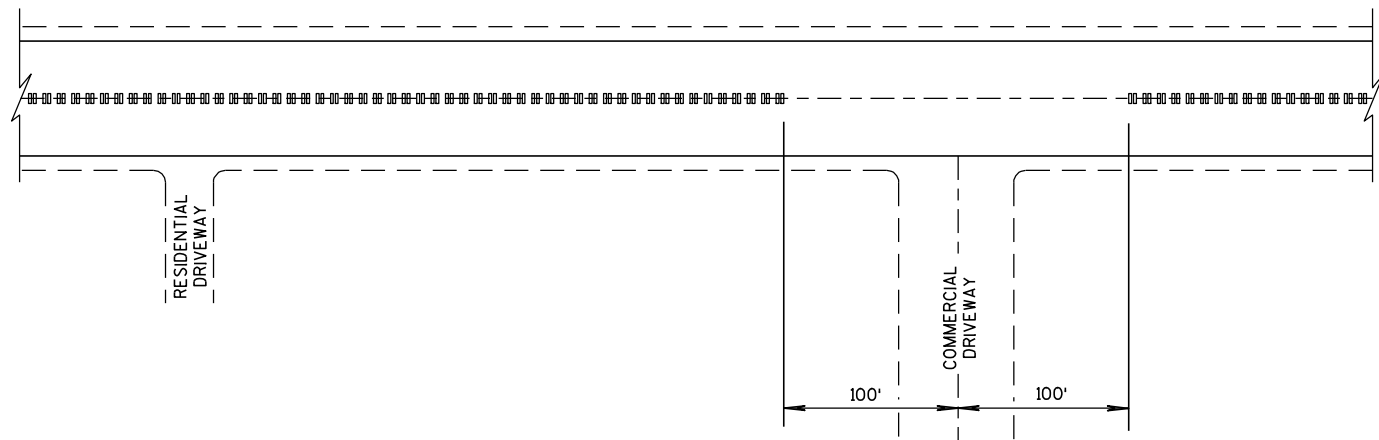
STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION



CENTER LINE GROOVES AT INTERSECTIONS

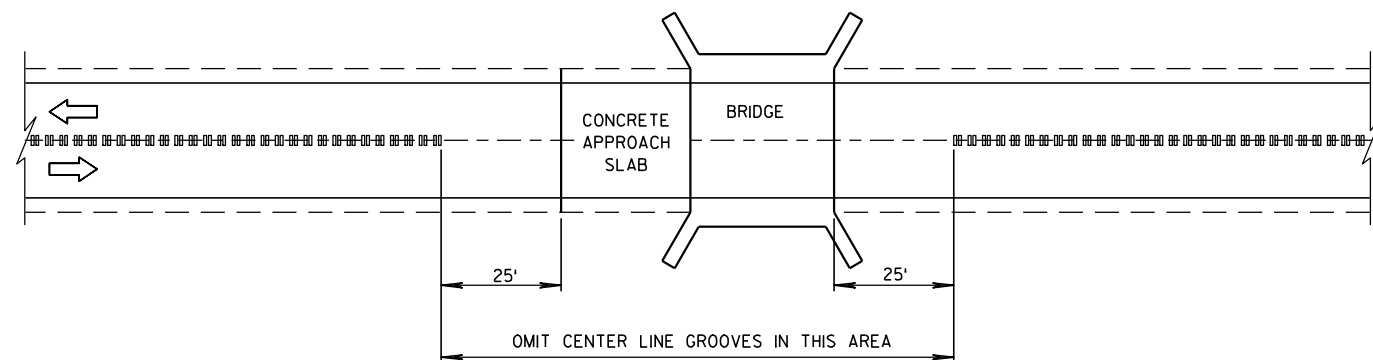


CENTER LINE GROOVES AT INTERSECTIONS  
(WITH LEFT TURN LANES)

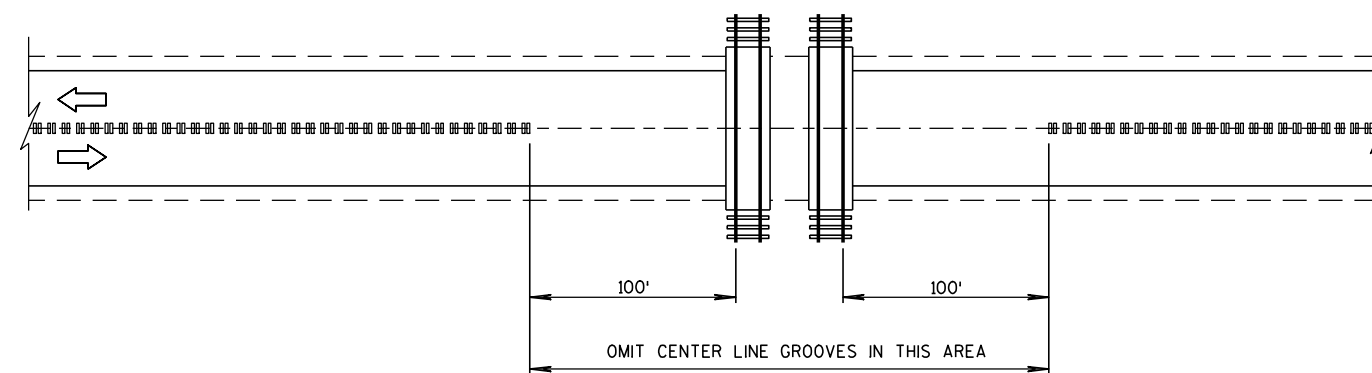


CENTER LINE GROOVES AT DRIVEWAYS<sup>①</sup>

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



CENTER LINE GROOVES AT BRIDGES

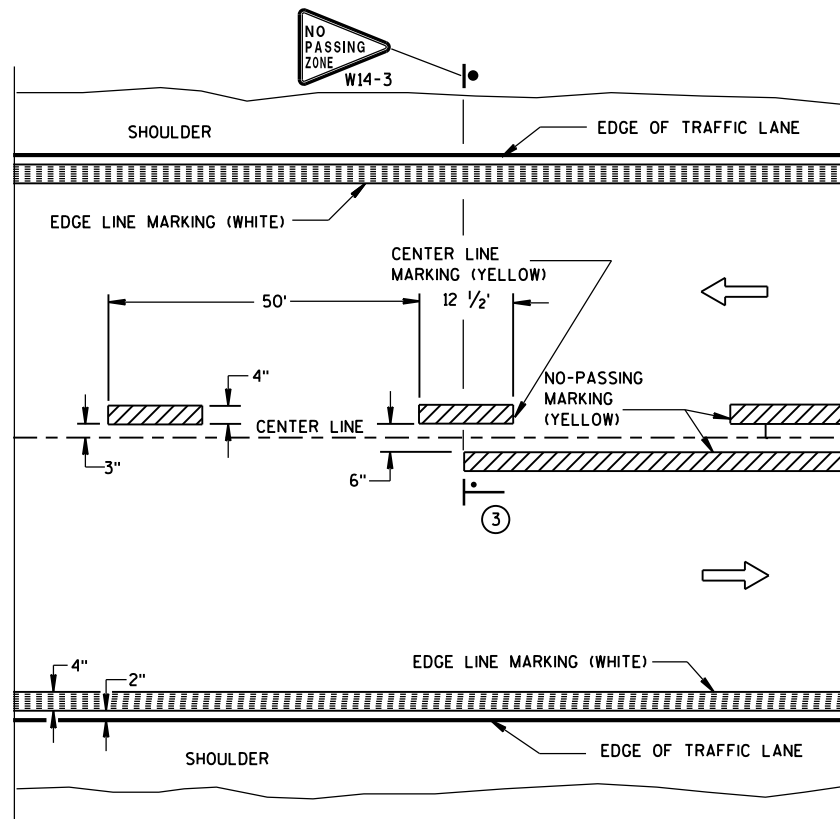


CENTER LINE GROOVES AT RAILROADS

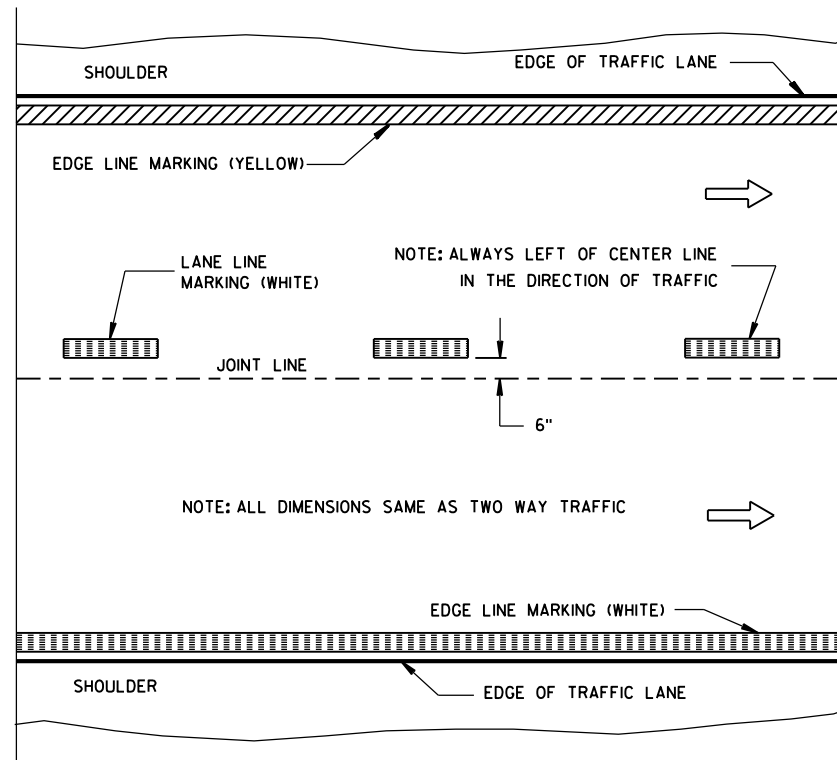
2-LANE RURAL  
CENTER LINE RUMBLE STRIP,  
MILLING

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
8/28/2012 DATE /S/ Jerry H. Zogg  
ROADWAY STANDARDS DEVELOPMENT  
ENGINEER  
FHWA

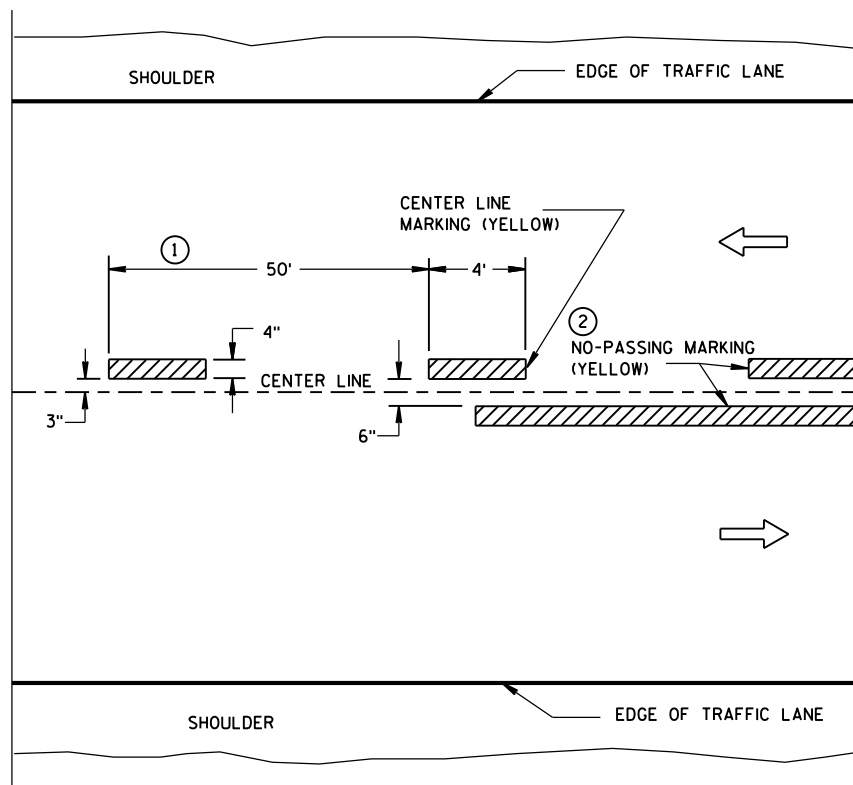


TWO WAY TRAFFIC

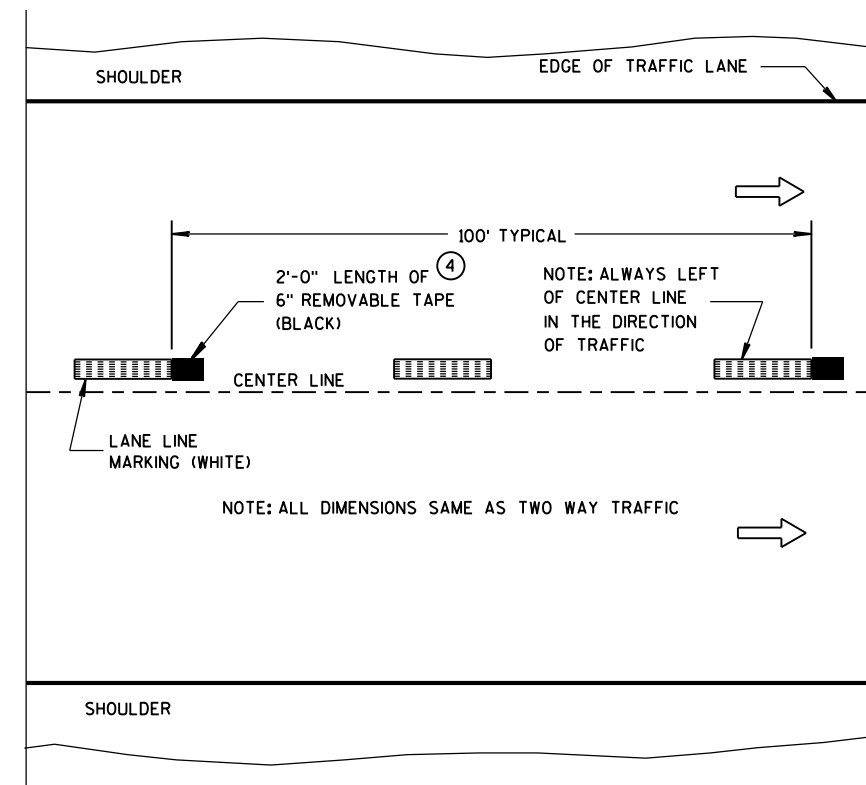


ONE WAY TRAFFIC

## PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

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

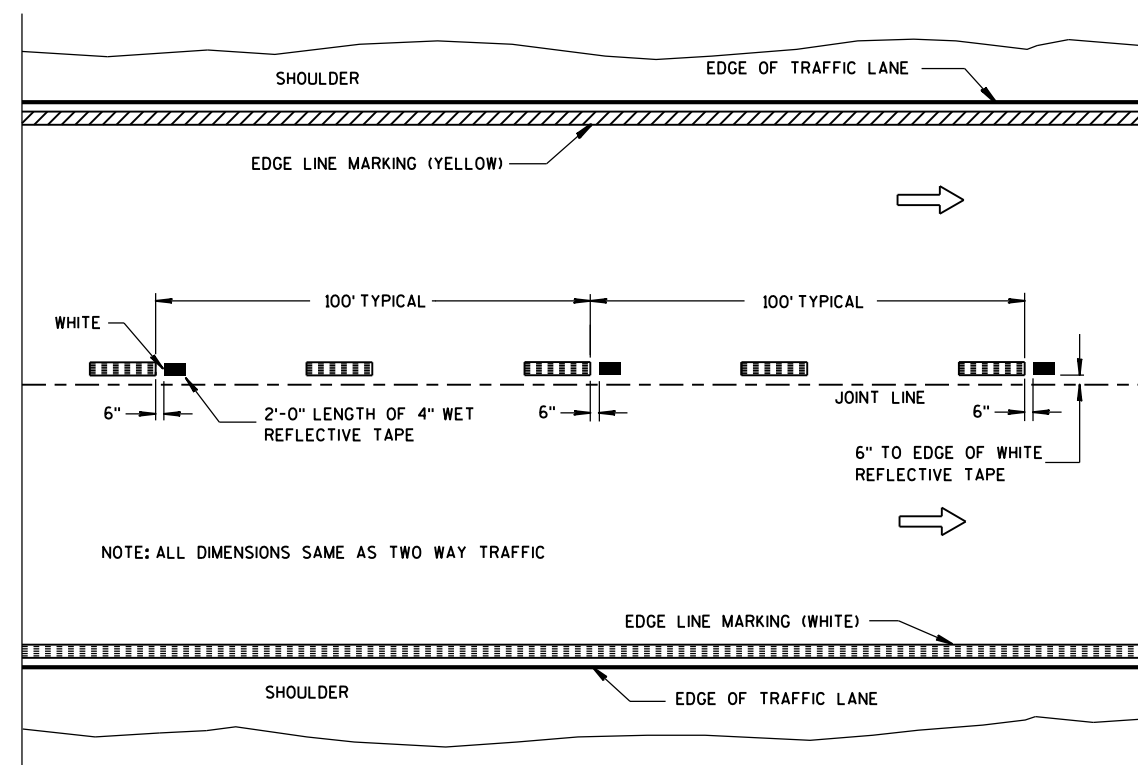
## GENERAL NOTES

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

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

## NOTE

ARROW SYMBOL (→) SHOWS DIRECTION OF TRAVEL



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

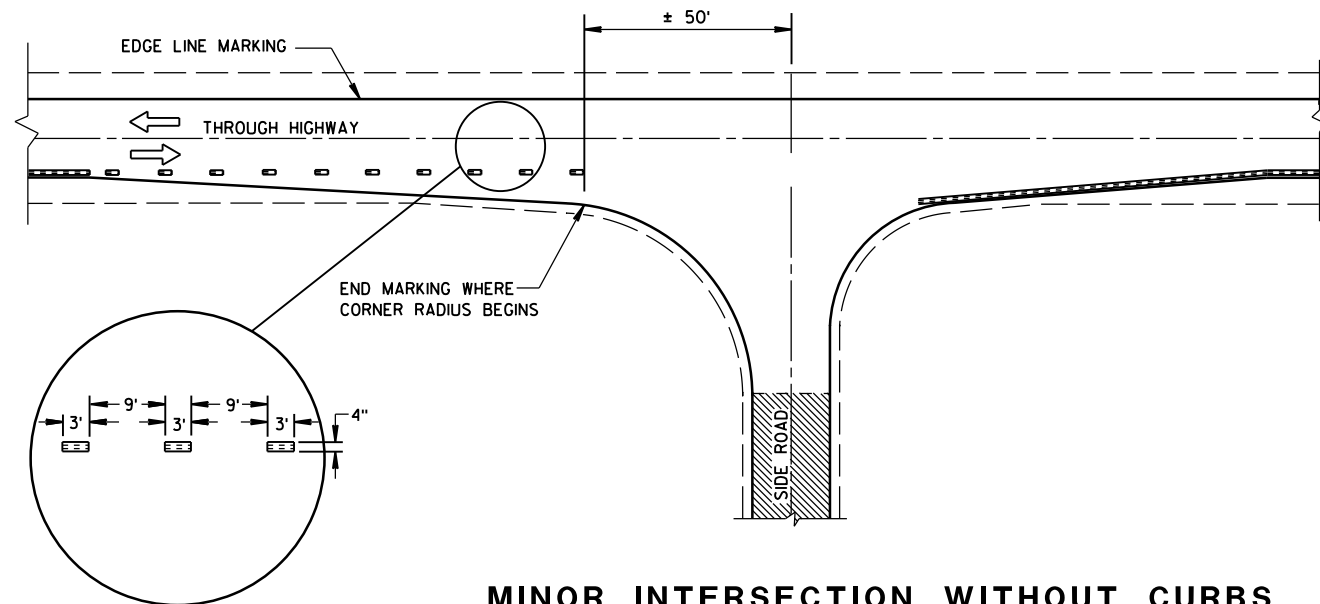
## LEGEND

- "T" MARKING
- POST MOUNTED SIGN

PAVEMENT MARKING  
(MAINLINE)

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

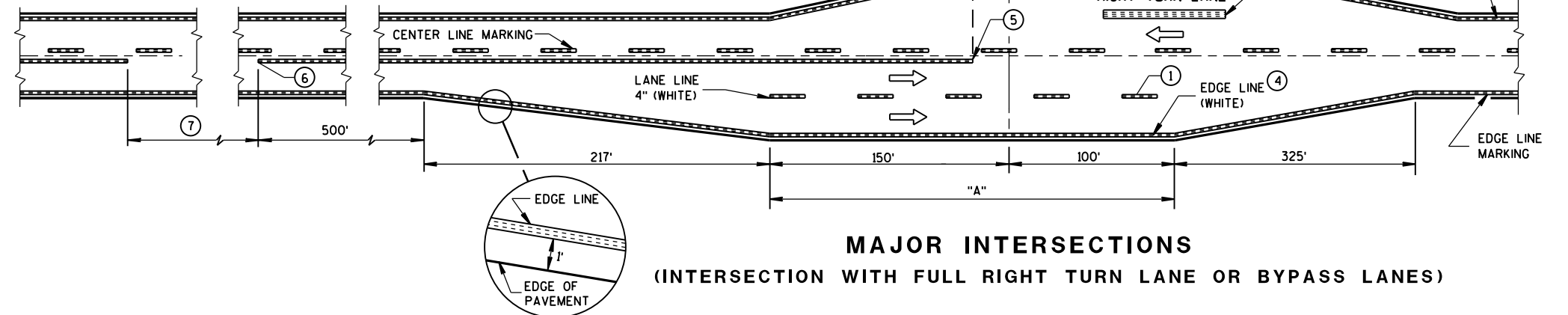
APPROVED  
10-1-2012 /S/ Travis Feltes  
DATE STATE TRAFFIC ENGINEER OF DESIGN  
FHWA



**MINOR INTERSECTION WITHOUT CURBS**

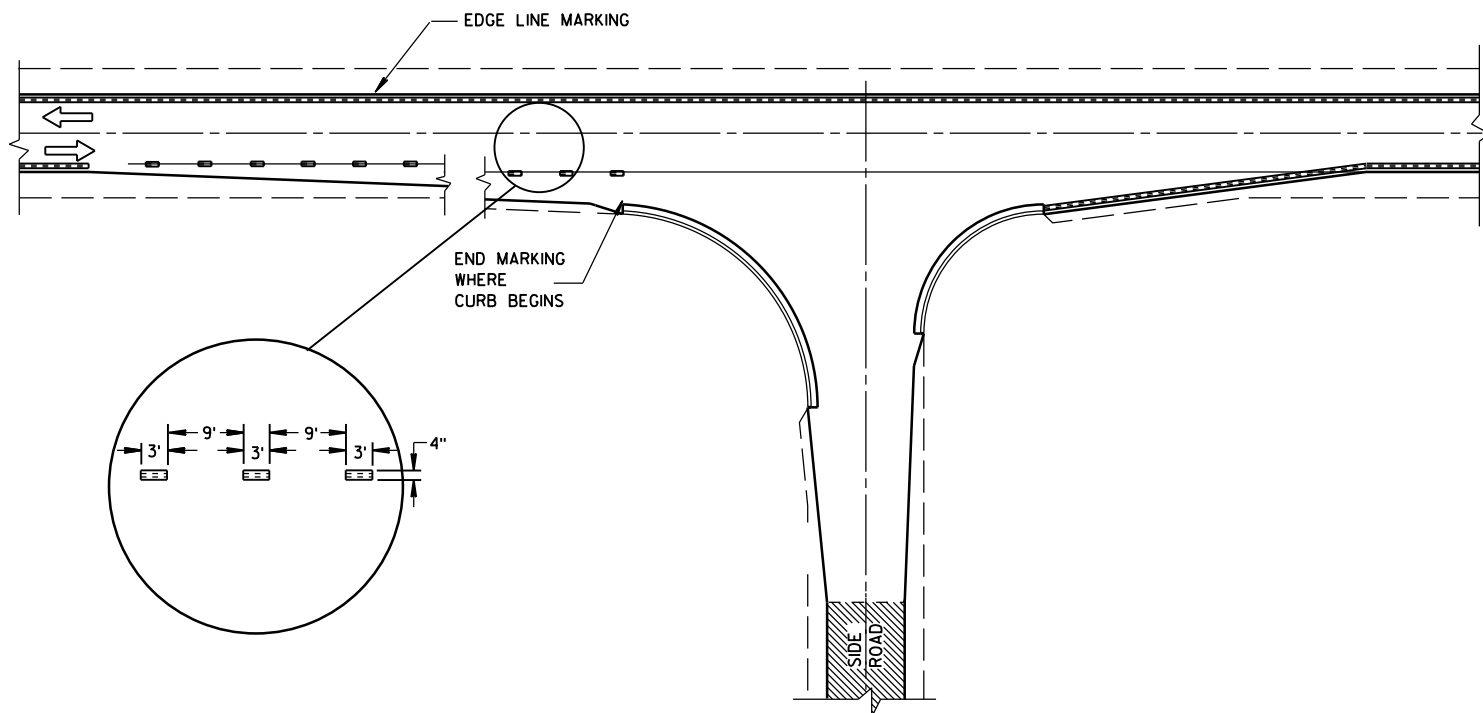
⑦

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

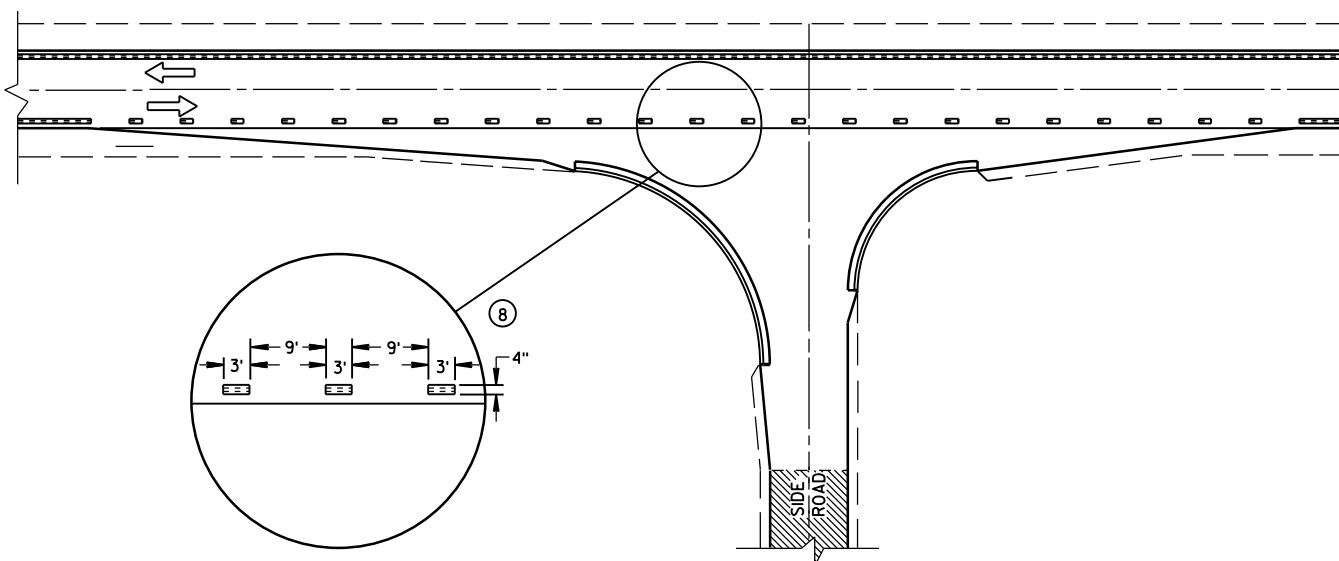


**GENERAL NOTES**

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



**MINOR INTERSECTION WITH CURBS  
(TYPICAL MARKING)**



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


**PAVEMENT MARKING  
(INTERSECTIONS)**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION




TWO-LANE ROADWAY


**SYMBOLS**



WORK AREA



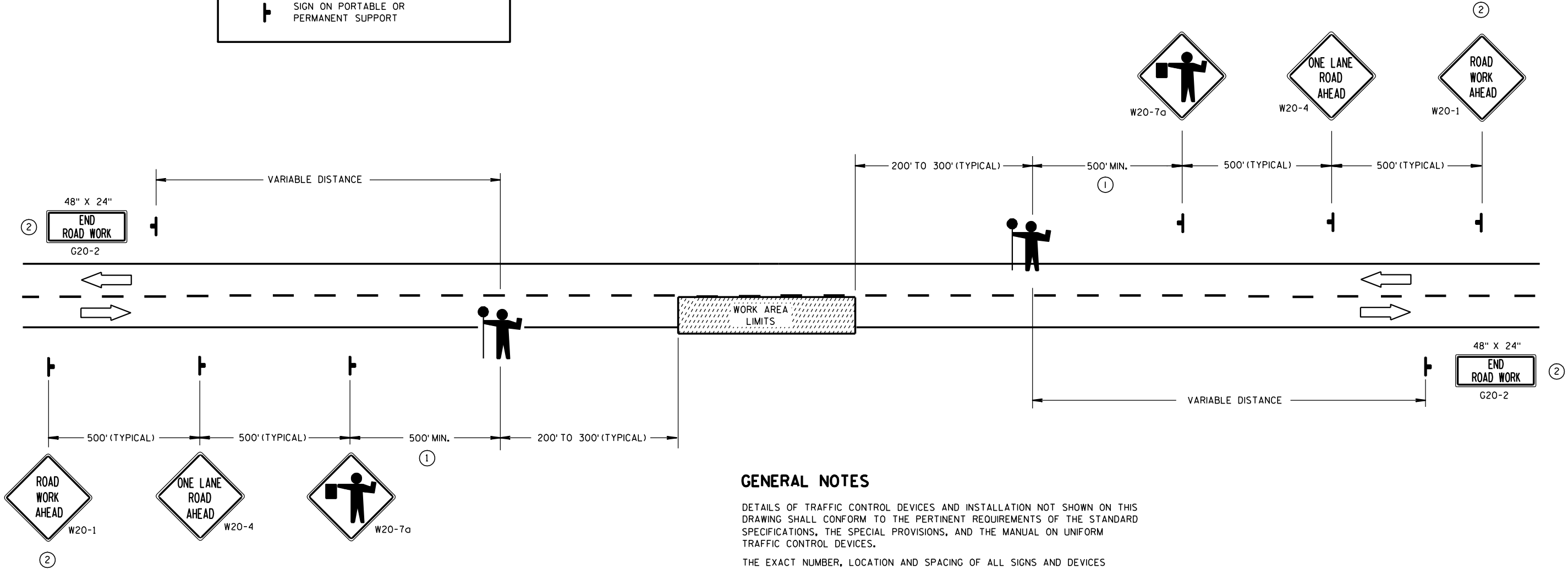
FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF



SIGN ON PORTABLE OR PERMANENT SUPPORT



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



GENERAL NOTES

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

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

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

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

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

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

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

**TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)**

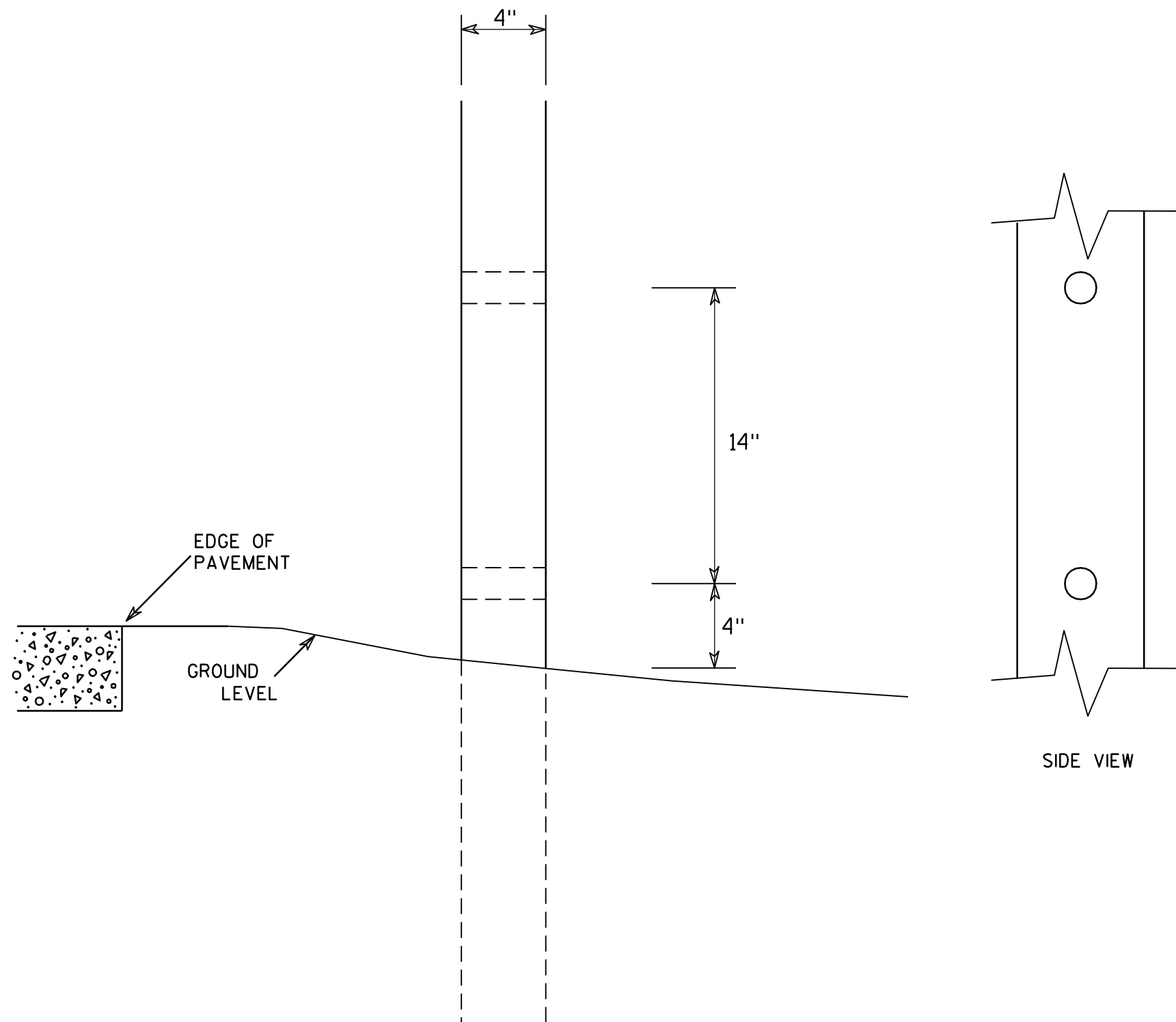
STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
9/5/06  
DATE

/S/ Thomas N. Notbohm  
STATE TRAFFIC ENGINEER OF DESIGN

FHWA

7



### GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1 1/2" 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:

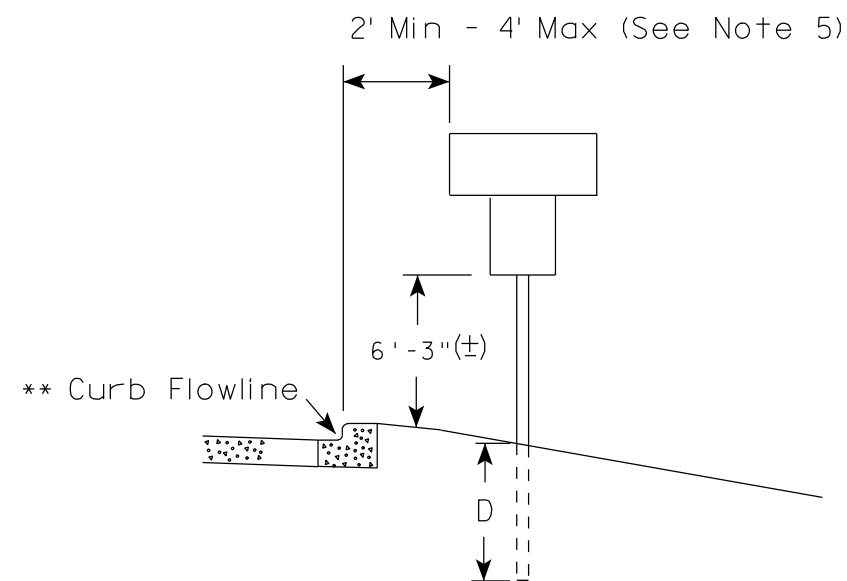
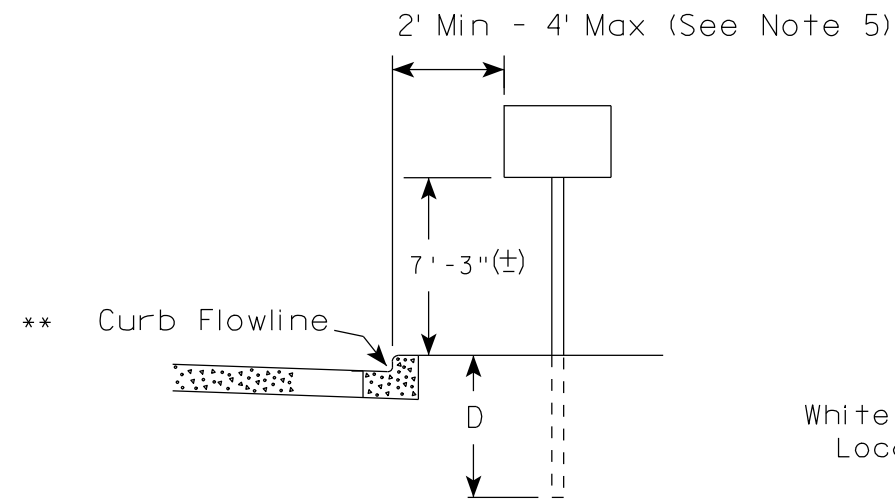
HWY:

COUNTY:

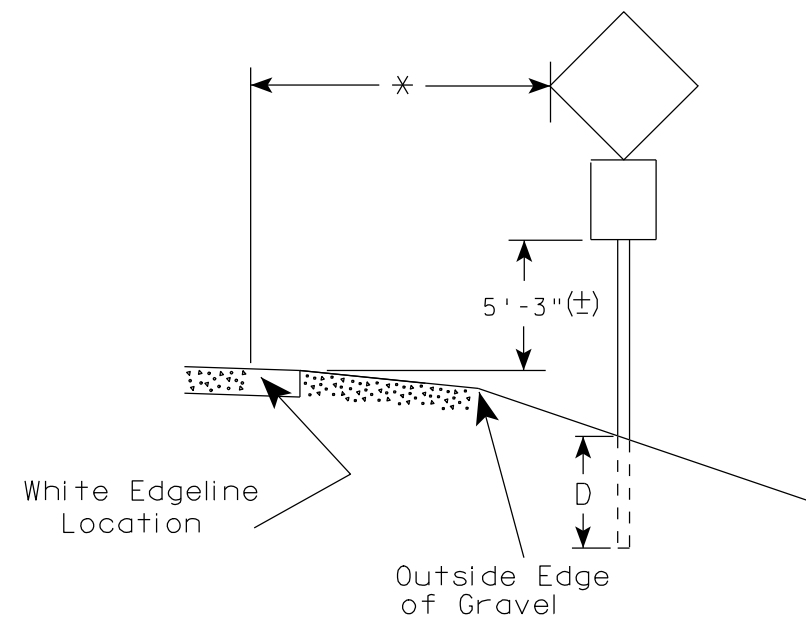
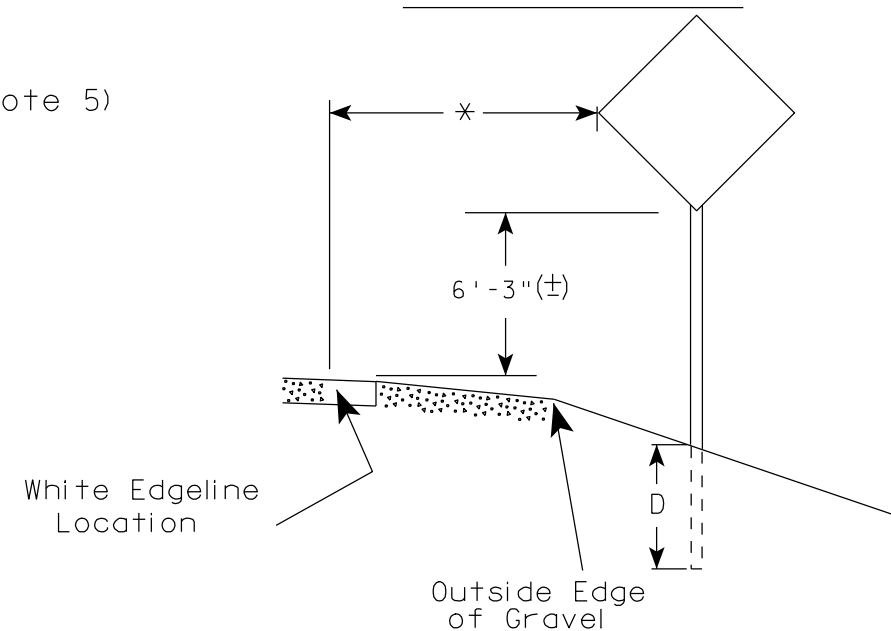
SHEET NO:

E

## URBAN AREA



## RURAL AREA (See Note 2)



## GENERAL NOTES

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

## POST EMBEDMENT DEPTH

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

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

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

TYPICAL INSTALLATION  
OF PERMANENT TYPE II  
SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*  
for State Traffic Engineer

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

PROJECT NO:

HWY:

COUNTY:

SHEET NO:

E

# GENERAL NOTES

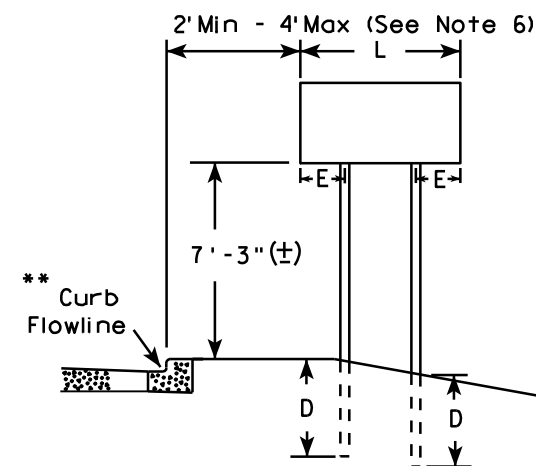
- For multiple post installations, individual post spacing shall be greater than 3'-6".
- See tables below for required number of posts.
- For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
- The (±) tolerance for mounting height is 3 inches.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

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

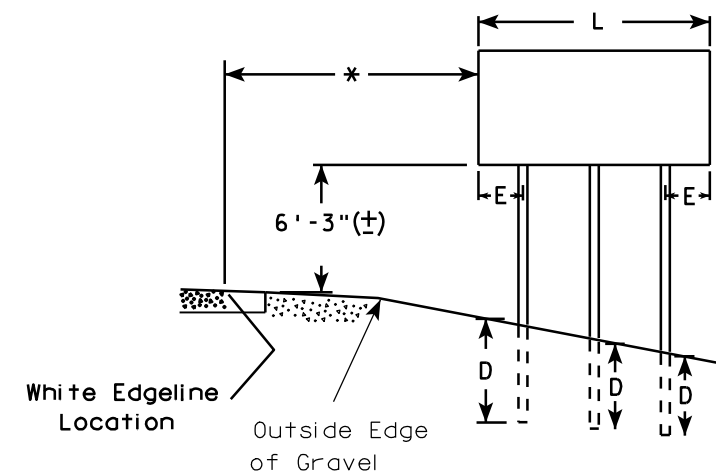
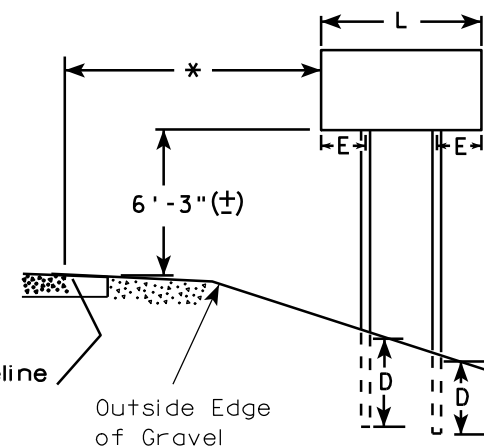
\*\* The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of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

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

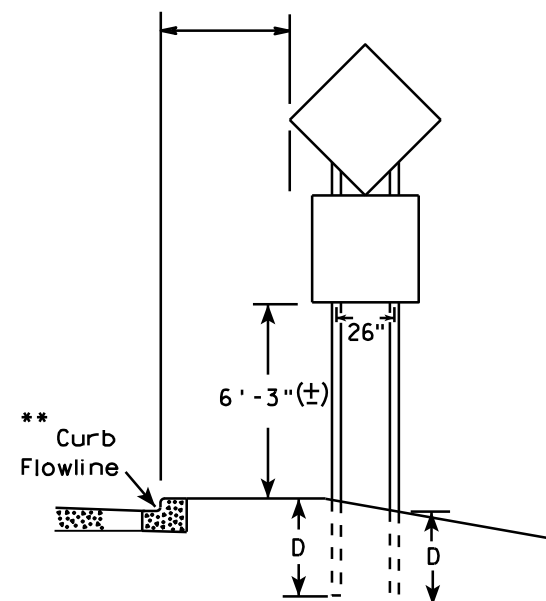
## URBAN AREA



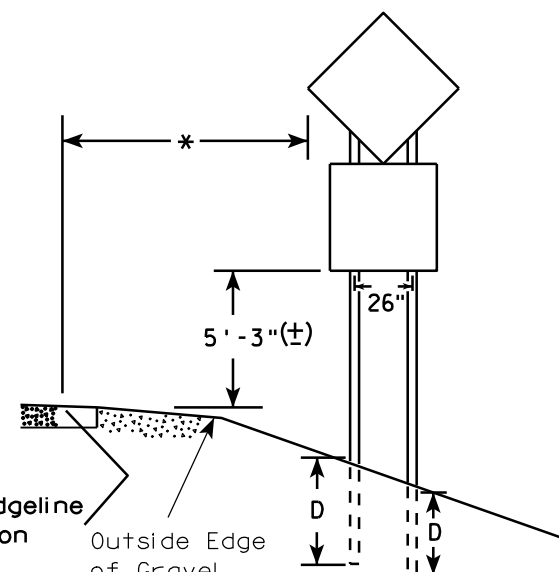
## RURAL AREA (See Note 3)



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



48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

\*\*\*

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

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

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

## POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION  
OF TYPE II SIGNS  
ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*  
For State Traffic Engineer

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

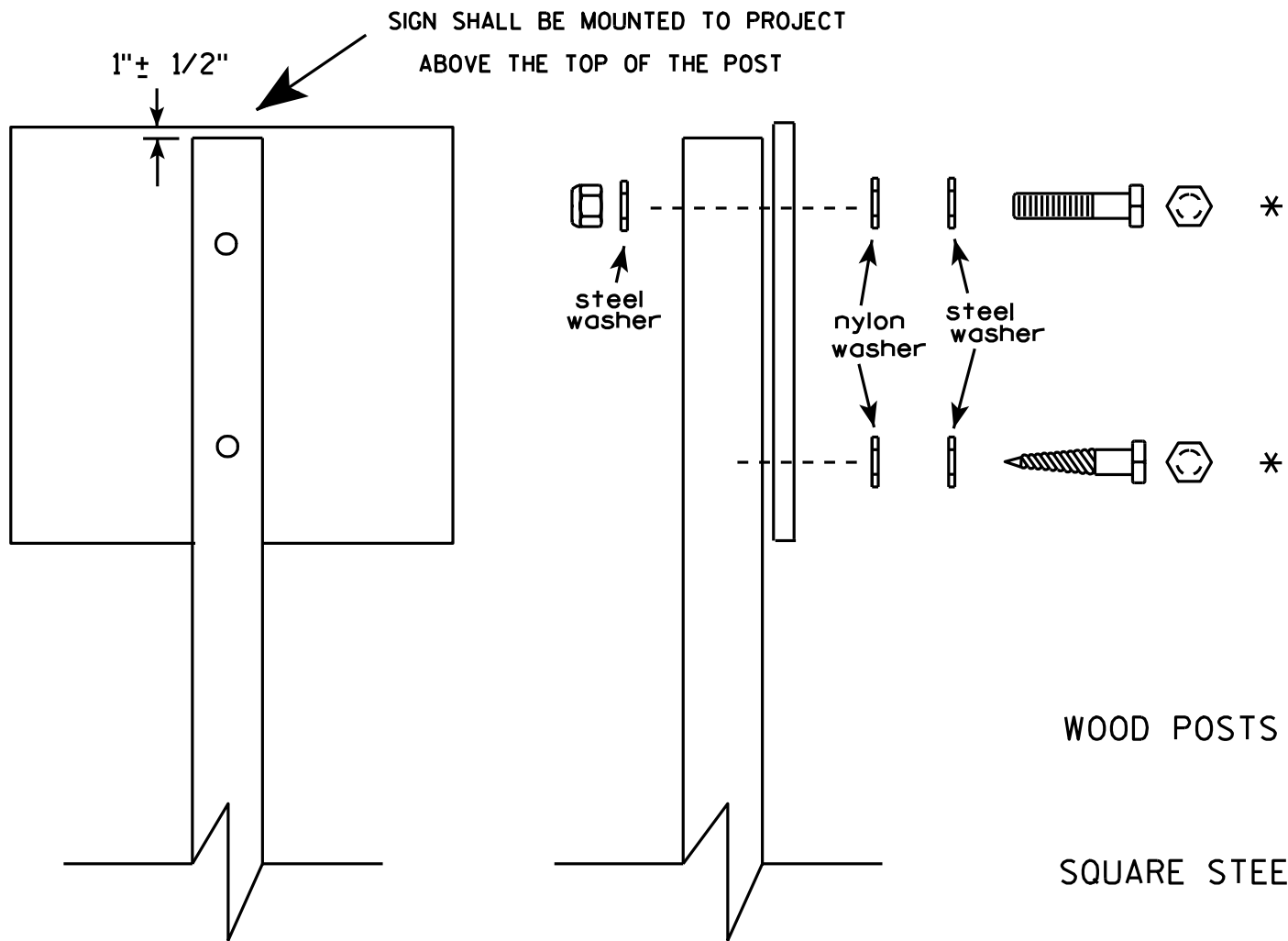
PROJECT NO:

HWY:

COUNTY:

SHEET NO:

E

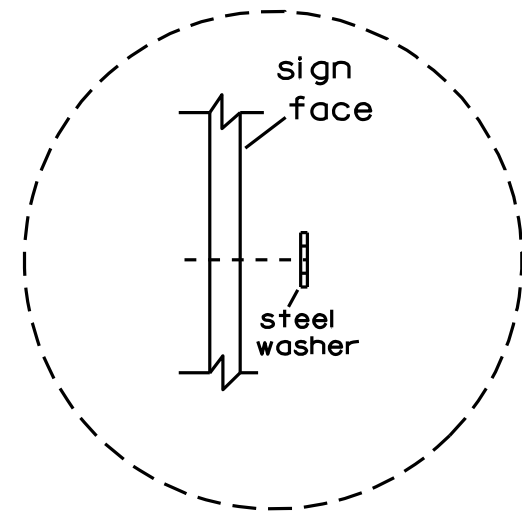


Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

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

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

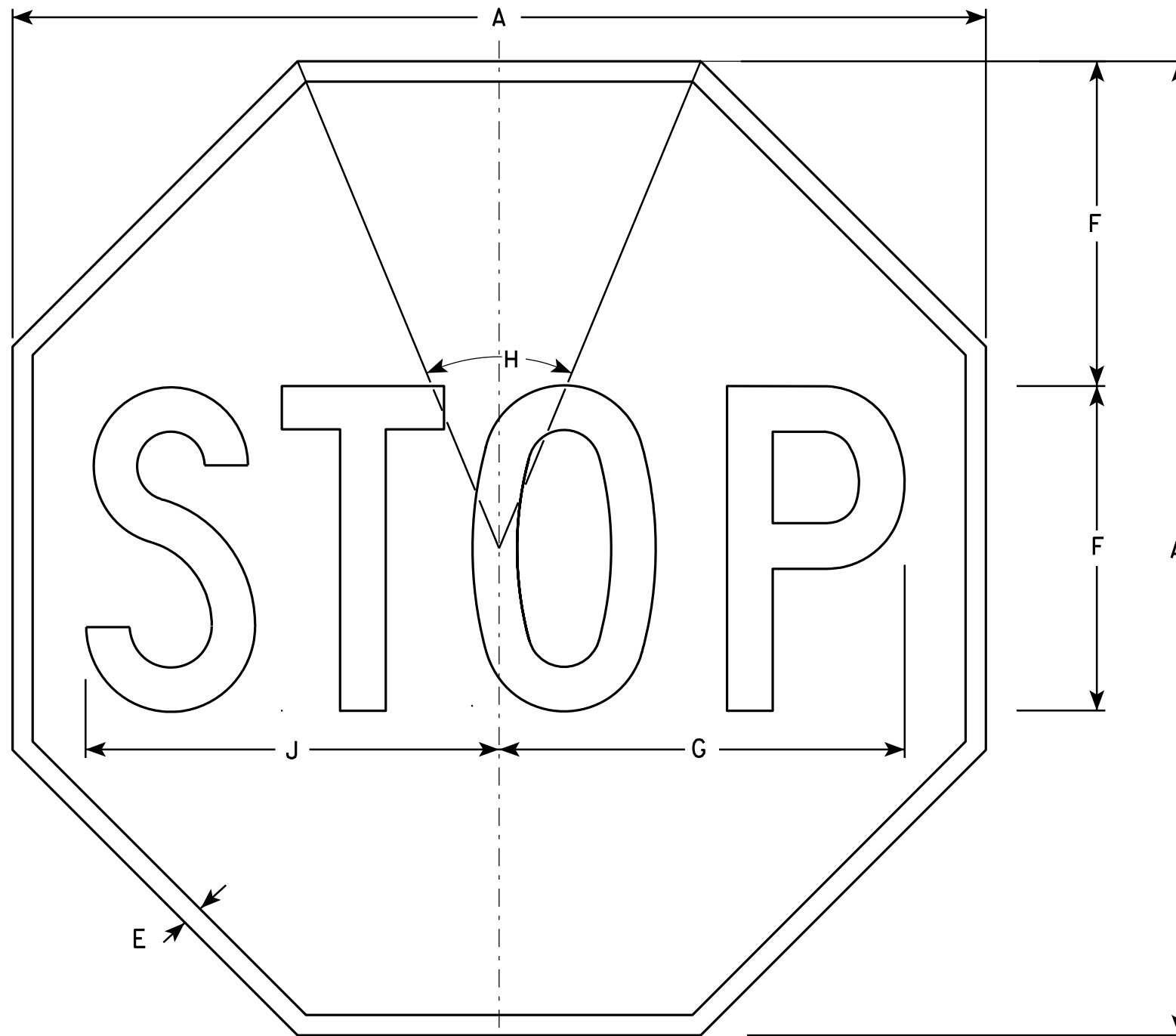
- WOOD POSTS (4" x 4" or 4" x 6")  
LAG SCREWS - 3/8" X 3"  
MACHINE BOLTS - 5/16" X 6-1/2" or 7" Length w/ nuts
- SQUARE STEEL POSTS (2" x 2")  
MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts  
RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL  
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH
- WASHERS (ALL POSTS) -  
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL  
1-1/4" O.D. X 3/8" I.D. X .080 NYLON for all Type H signs.



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

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

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



**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

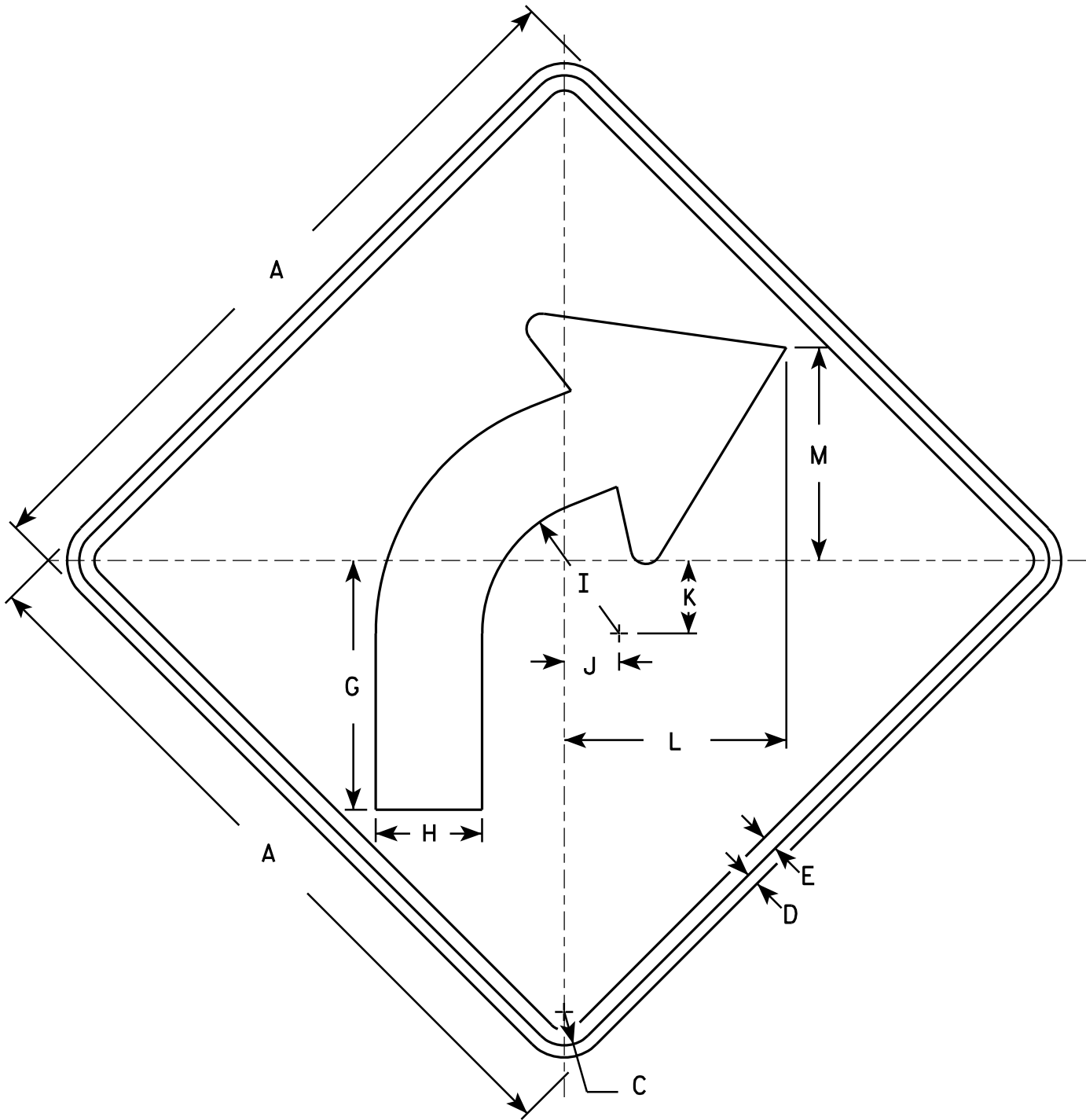
APPROVED *Matthew R. Rauch*  
for State Traffic Engineer

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

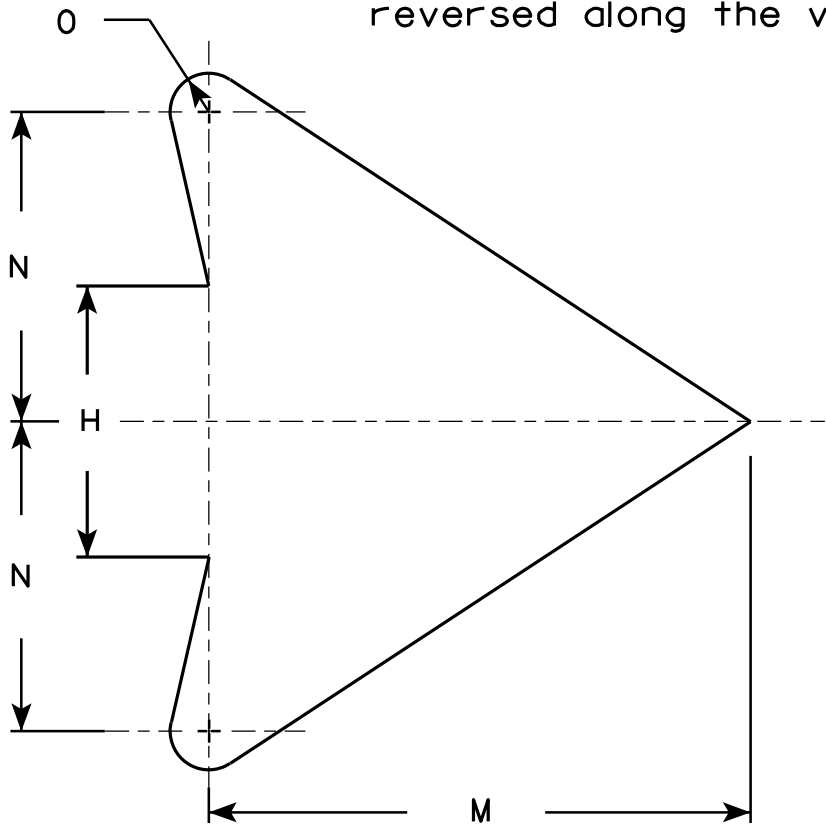
PROJECT NO:	HWY:	COUNTY:	SHEET NO:	E
-------------	------	---------	-----------	---

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.
4. W1-2L is the same as W1-2R except the arrow is reversed along the vertical centerline.



W1-2R



ARROW DETAIL

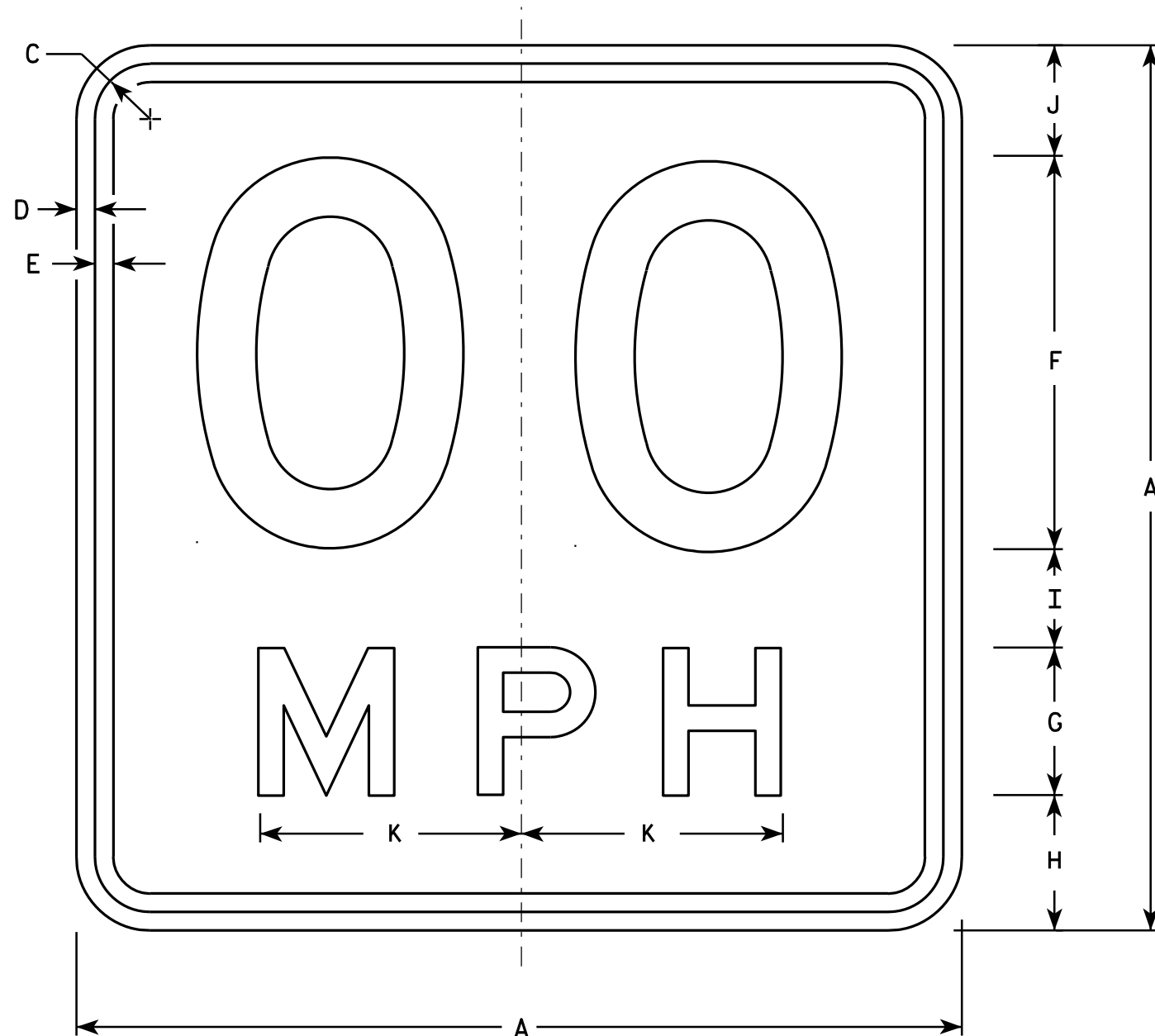
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2		8 1/4	3 1/2	4 1/2	1 3/4	2 3/8	7 1/4	7	4	1/2												4.0
2S	30		1 3/8	1/2	5/8		10 1/4	4 3/8	5 5/8	2 1/4	3	9 1/8	8 3/4	5	5/8												6.25
2M	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6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

STANDARD SIGN  
W1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED  
*Matthew R. Rauch*  
for State Traffic Engineer

DATE 5/15/12 PLATE NO. W1-2.10



### 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 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. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
6. Line 1 is Series D  
Line 2 is Series E

W13-1

\* For 30" x 30" Warning Signs, use 18" x 18" W13-1 signs.  
For 36" x 36" Warning Signs, use 24" x 24" W13-1 signs.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area Sq. Ft.
1	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
* 2S	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
* 2M	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
3	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	6 5/8																4.00
4	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
5	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00

### STANDARD SIGN

W13-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*  
For State Traffic Engineer

DATE 5/31/12 PLATE NO. W13-1.16

PROJECT NO:

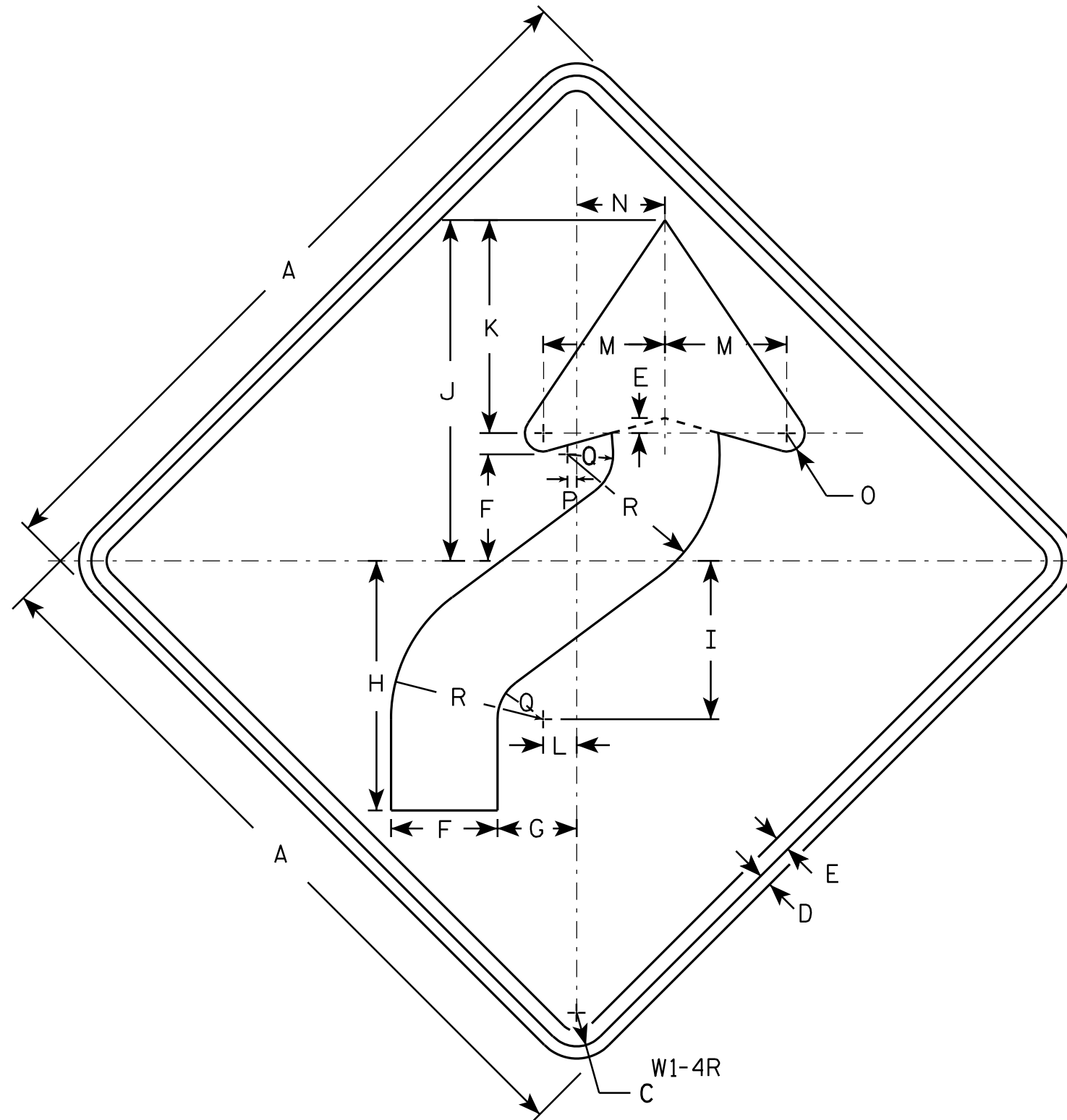
HWY:

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.
4. W1-4L is the same as W1-4R except the arrow 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	24		1 1/8	3/8	1/2	3 1/2	2 5/8	8 1/4	5 1/4	11 1/4	7	1 1/8	4	3	5/8	1/4	1 1/2	5									4.0
2S	30		1 3/8	1/2	5/8	4 3/8	3 1/4	10 1/4	6 1/2	14	8 3/4	1 3/8	5	3 5/8	3/4	3/8	1 7/8	6 1/4									6.25
2M	36		1 5/8	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
3	36		1 5/8	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
4	36		1 5/8	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
5	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0

### STANDARD SIGN

W1 - 4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*  
for State Traffic Engineer

DATE 5/17/12 PLATE NO. W1-4.11

PROJECT NO:

HWY:

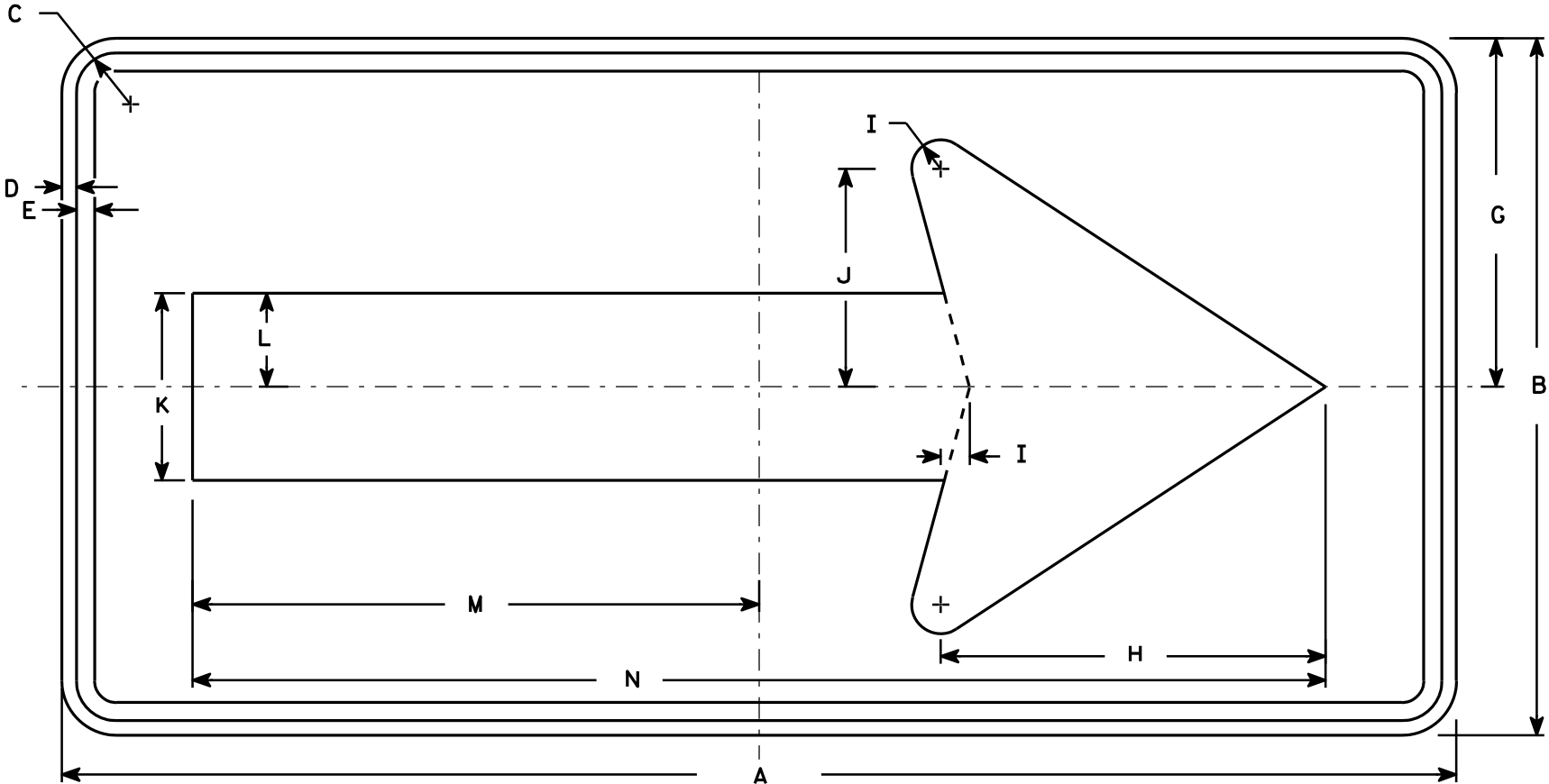
COUNTY:

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.



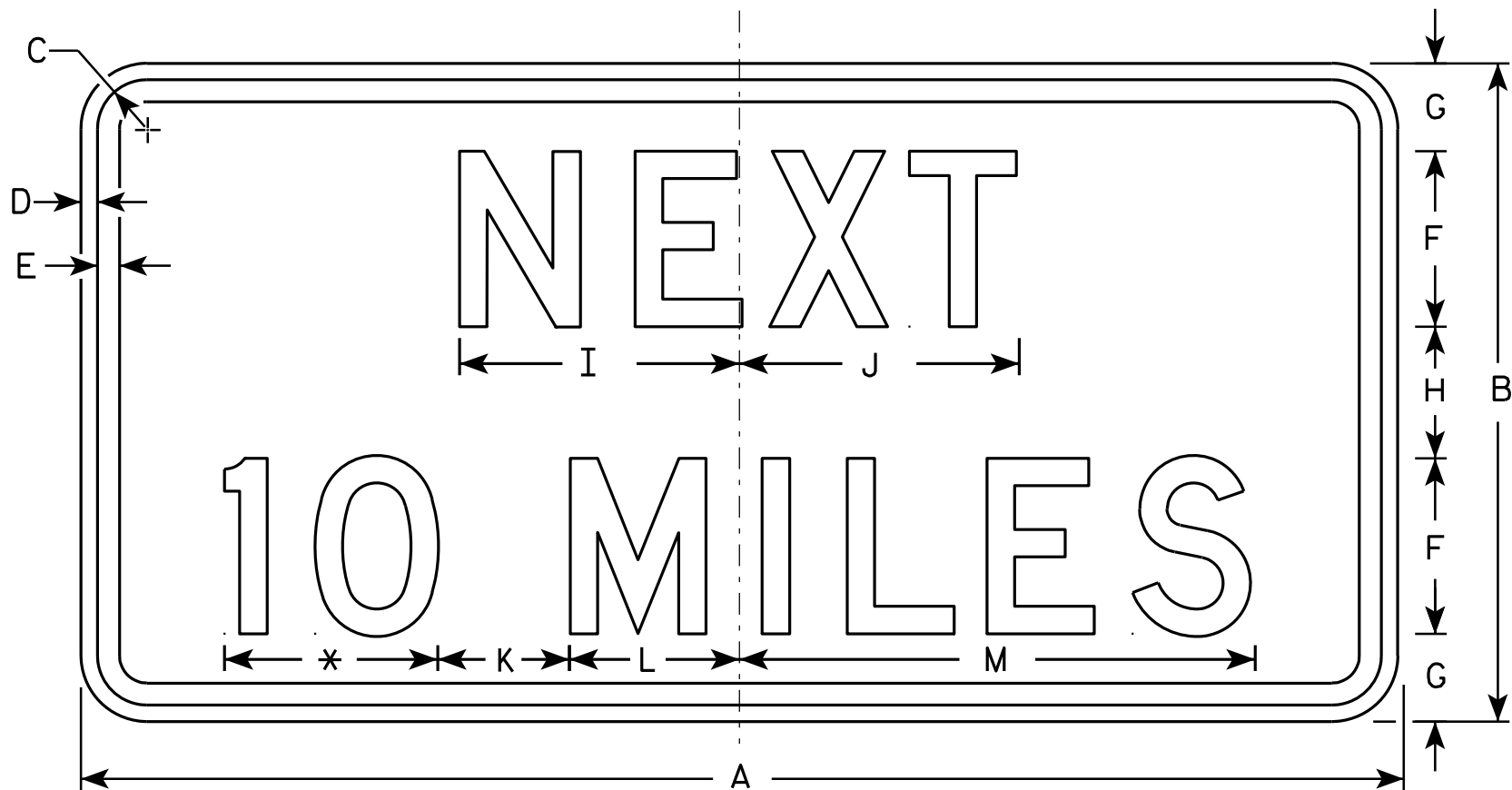
W1-6

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/8	3/8	3/8		9	10	3/4	5 5/8	4 3/4	2 3/8	14 5/8	29 1/4													4.5
2S	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	96	48	2 1/4	3/4	1		24	26 1/2	2	15	13	6 1/2	39	78													32.0

STANDARD SIGN  
W1-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*  
for State Traffic Engineer  
DATE 6/7/10 PLATE NO. W1-6.8



W57-51

NOTES

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

\* See note 5

7

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	24	12	1 1/8	3/8	3/8	3	1 3/4	2 1/2	5	5 1/8	3	2 3/4	9 5/8														2.0
2S	30	15	1 1/8	3/8	1/2	4	2	3	6 3/8	6 3/8	3	3 7/8	11 3/4														3.13
2M	36	18	1 1/8	3/8	1/2	5	2 5/8	2 3/4	7 7/8	8	5	4 1/8	15 3/8														4.5
3	36	18	1 1/8	3/8	1/2	5	2 5/8	2 3/4	7 7/8	8	5	4 1/8	15 3/8														4.5
4	48	24	1 3/8	1/2	5/8	6	3 1/2	5	10	10 1/8	6	5 5/8	19														8.0
5	48	24	1 3/8	1/2	5/8	6	3 1/2	5	10	10 1/8	6	5 5/8	19														8.0

STANDARD SIGN  
W57-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*  
for State Traffic Engineer

DATE 4/18/11 PLATE NO. W57-51.8

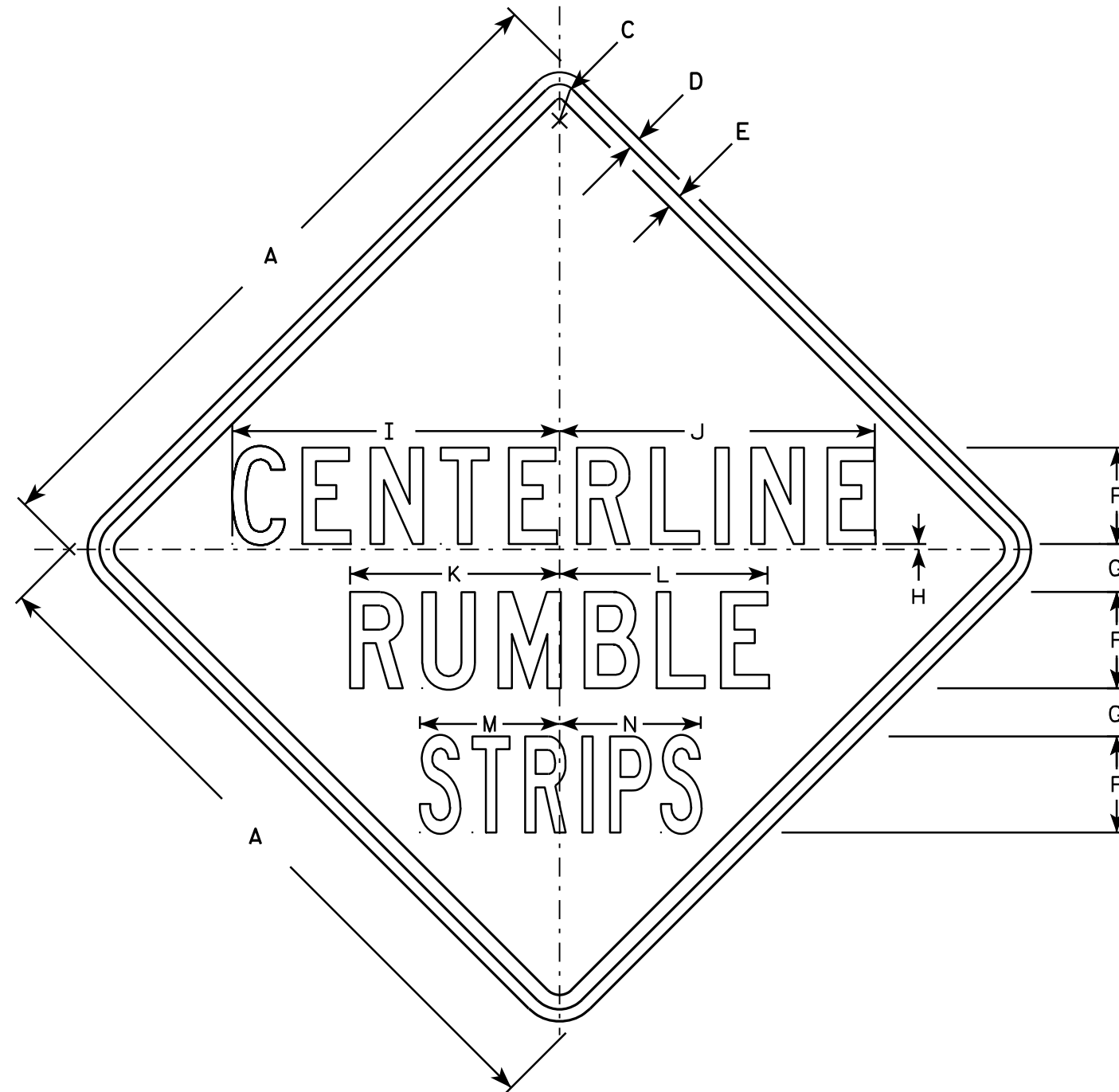
PROJECT NO:

HWY:

COUNTY:

SHEET NO:

E



W8-70

### NOTES

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

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	5	2 1/2	1/4	17	16 3/8	10 7/8	10 3/4	7 1/4	7 3/8													9.0
2M	36		1 5/8	5/8	3/4	5	2 1/2	1/4	17	16 3/8	10 7/8	10 3/4	7 1/4	7 3/8													9.0
3	36		1 5/8	5/8	3/4	5	2 1/2	1/4	17	16 3/8	10 7/8	10 3/4	7 1/4	7 3/8													9.0
4																											
5																											

### STANDARD SIGN W8-70

WISCONSIN DEPT OF TRANSPORTATION  
APPROVED *Matthew R. Rauch*  
For State Traffic Engineer  
DATE 3/23/11 PLATE NO. W8-70.2

PROJECT NO: SHEET NO: E

## Notes



## ***Wisconsin Department of Transportation***

Dedicated people creating transportation solutions  
through innovation and exceptional service.

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