ELECTRIC

GAS

WATER

FIBER OPTIC

SANITARY SEWER

UTILITY PEDESTAL

POWER POLE TELEPHONE POLE

STORM SEWER TELEPHONE

#### ORDER OF SHEETS

Section No. Section No. 2 Typical Sections and Details Section No. 3 Estimate of Quantities Miscellaneous Quantities Section No. 3

Section No. 5 Plan

Section No. 6 Standard Detail Drawings

Sign Plates Section No. 7

TOTAL SHEETS = 134

# STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

STATE HIGHWAY REHABILITATION-MAINTENANCE PROJECT

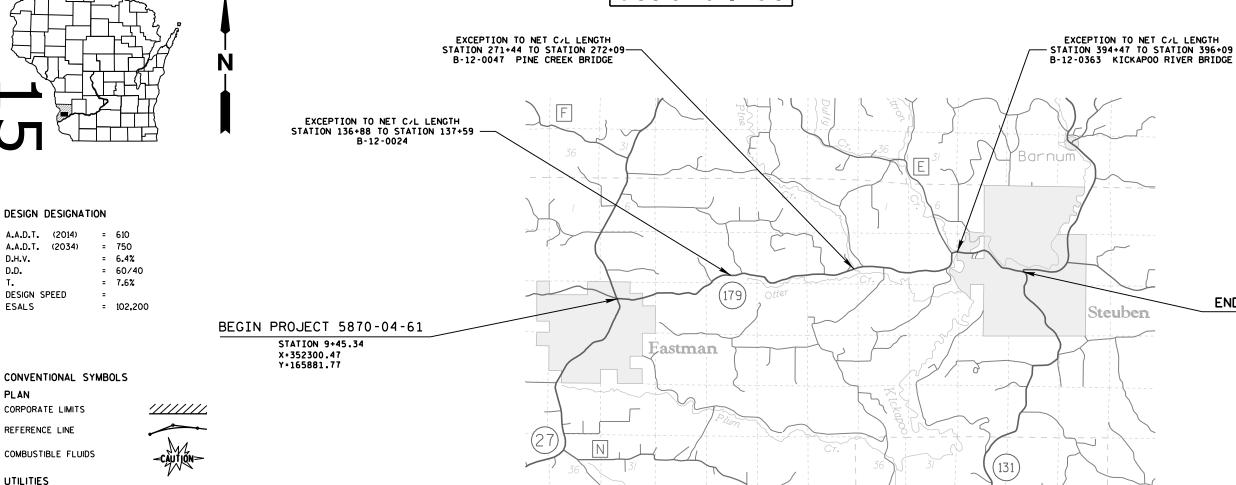
# **EASTMAN - STEUBEN**

STH 27 TO STH 131

**STH 179** 

CRAWFORD COUNTY

STATE PROJECT NUMBER 5870-04-61



END PROJECT 5870-04-61

STATION 471+60.45 X=394388.88 Y=169157.38

#### STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

FEDERAL PROJECT

PROJECT

CONTRACT

STATE PROJECT

5870-04-61

PREPARED BY JAY P. ADAMS, RLS JAY P. ADAMS, PE TODD WALDO, PE JEREMY F. KRACHEY. PE Regional Supervisor <u>STEPHEN\_FLOTTMEYER</u>, PE C.O. Examiner

TOTAL NET LENGTH OF CENTERLINE = 8.696 MI.

LAYOUT

COORDINATE SYSTEM (WCCS), CRAWFORD COUNTY, NAD 83 (2007).

PLOT BY : dotwow

FILE NAME: N:\PDS\c3d\58700430\Design\Eplans\010101\_ti.dgn

PLOT DATE: 24-JAN-2013 12:23

PLOT NAME :

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY

PLOT SCALE: 10000.000000:1.000000

#### **GENERAL NOTES**

CURVE DATA IS BASED ON ARC DEFINITION.

COORDINATES SHOWN ON THE PLAN ARE REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 - 2007 ADJUSTMENT.

THERE ARE UTILITIES WITHIN THE PROJECT LIMITS WHICH ARE NOT SHOWN ON THE PLANS

ALL RADII ARE MEASURED TO EDGE OF PAVEMENT OR FLAG OF CURB UNLESS OTHERWISE SHOWN OR NOTED ON THE PLAN.

WHEN PORTIONS OF EXISTING ASPHALTIC SURFACES ARE TO BE REMOVED TO ACCOMMODATE NEW CONSTRUCTION, THE LINE OF SUCH REMOVAL SHALL BE NEATLY DELINEATED WITH A SAW CUT JOINT THROUGH THE ASPHALTIC SURFACE SO THAT REMOVAL OF THE ASPHALT SHALL BE ACCOMPLISHED WITHOUT DAMAGE TO REMAINING PORTIONS. THE LOCATION OF SAW JOINTS AND THE AMOUNT REMOVED AT SIDE ROADS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

THE CONTRACTOR'S PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, PASSING OR PARKING LANE.

THE EXACT LOCATION OF PRIVATE AND FIELD ENTRANCES ARE TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS AT ALL TIMES.

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

3.5 INCH HMA PAVEMENT SHALL BE CONSTRUCTED IN TWO EQUAL LIFTS. A 1/2-INCH (12.5mm) NOMINAL AGGREGATE SIZE MIXTURE SHALL BE USED IN BOTH LIFTS.

THE RATE OF TACK COAT IS COMPUTED AT 0.025 GAL/SY.

CURB AND GUTTER WILL BE CONSTRUCTED AFTER THE 4-INCH BASE COURSE LIFT HAS BEEN PLACED. ALL CONSTRUCTION STAKING CURB AND GUTTER ELEVATIONS TO BE DETERMINED BASED ON GRADED ROADWAY CENTERLINE ELEVATION AND PROPOSED ROADWAY CROSS SLOPE. TRIMMING OF 2" TO 3" OF COMPACTED BASE COURSE CAN BE EXPECTED WHILE PLACING CURB AND GUTTER.

HMA PAVEMENT QUANTITY BASED ON THE UNIT DENSITY OF 112LB/SY/IN.

EXCAVATION BELOW SUBGRADE (EBS), IF REQUIRED, IS TO BE MEASURED AND PAID FOR AS COMMON EXCAVATION. THE LOCATION OF EBS WILL BE DETERMINED BY THE ENGINEER.

### **UTILITY COMPANIES & PERSONNEL**

CENTURYLINK-Communication Line 333 N Front St P.O. Box 4800 LaCrosse, WI 54602 ATTN: Steve Blado PHONE: (608) 796-5543 steve.blado@centurvtel.com

Alliant Energy-Electricity 4902 N Biltmore Lane Madison, WI 53718 Attn: Jason Hogan Phone: (608) 458-4871

jasonhogan@alliantenergy.com

Dairyland Cable Systems Inc.-Communication Line 1450 Veterans Dr

Richland Center, WI 53581 Attn: Lonnie Freeman Phone: (800) 677-6383 lonniewh@mhtc.net

Madison Gas And Electric Company-Gas/Petroleum P.O. Box 1231 Madison, WI 53701-1231

Attn:Tim Statz Phone: (608) 252-4727 tstatz@mge.com

Scenic Rivers Energy Cooperative-Electricity

231 N Sheridan St Lancaster, WI 53813-1342 Attn:Daniel Stelpflug Phone: (608) 723-2121 dstelpflug@srec.net

Mediacom LLC Wisconsin-Communication Line

3033 Asbury Rd Dubuque, IA 52001 Attn:Tim Orcutt Phone: (608) 326-0478 torcutt@mediacomiic.com

Windstream KDL, Inc. - Communication Line

13935 Bishops Drive Brookfield, WI 53005 Attn:Jim Kostuch Phone: (262) 792-7938

James.Kostuch@windstream.com

Eastman Water Utility-Water P.O.Box 42 Eastman, WI 54626-0042

Jay P. Adams

AC.

AGG.

ΑH

< AE, AEW

ASPH.

A.D.T.

R.F.

BK.

BEG.

B.M.

C/L

C.M.C.P.

C.A.B.C.

C. & G.

D.H.V.

DISCH.

C.M.P.

D

CO.

CTH

CR.

C.Y.

C.P.

D

DTA.

EΑ

Ε

ELEC.

EXC.

F.F.

FERT.

F.E.

CWT.

INL

JT.

LT

L.

L.F.

LC.

LS

M.P.

INTER.

L.H.F.

F/L, F.L.

ACRE

AHEAD

ANGLE

BACK

**BEGIN** 

COUNTY

CREEK

CUBIC YARD

DIAMETER

DISCHARGE

**EXCAVATION** 

**FERTILIZER** 

FLOW LINE

INLET

JOINT

LEFT

FACE TO FACE

FIELD ENTRANCE

HUNDRED WEIGHT

INTERSECTION

LEFT HAND FORWARD

LINEAR FOOT(FEET)

LENGTH OF CURVE

LONG CHORD

MARKER POST

LUMP SUM

**EACH** 

**EAST** 

EL., ELEV. ELEVATION

CULVERT PIPE

CURB AND GUTTER DEGREE OF CURVE

DESIGN HOUR VOLUME

ELECTRIC(AL), ELEC, CABLE

AGGREGATE

ASPHALTIC

BACK FACE

BENCH MARK

CENTER LINE

APRON ENDWALL

AVERAGE DAILY TRAFFIC

CENTRAL ANGLE OR DELTA

CORRUGATED METAL PIPE

COUNTY TRUNK HIGHWAY

CORRUGATED METAL CULVERT PIPE

3550 Mormon Coulee Rd La Crosse, WI 54601 Phone (608)498-0185 Jay.Adams@dot.wi.gov

DNR LIASON Karen Kalvelage

3550 Mormon Coulee Rd La Crosse, WI 54601 Phone (608) 785-9115

MAX. MAXIMUM MGAL 1000 GALLONS

MINIMUM

STANDARD ABBREVIATIONS

MIN.

N.C. NORMAL CROWN OR NO CHANGE

NORTH N NO. NUMBER PAV'T PAVEMENT

PERMANENT LIMITED EASEMENT P.I.F. P.C. POINT OF CURVATURE

P.I. POINT OF INTERSECTION P.T. POINT OF TANGENCY

VERTICAL POINT OF CURVATURE V.P.C. VERTICAL POINT OF INTERSECTION V.P.T. V.P.T. VERTICAL POINT OF TANGENCY

PCC PORTLAND CEMENT CONCRETE PRIVATE ENTRANCE P.E. PROPERTY LINE P.L. RADIUS OR RANGE R CRUSHED AGGREGATE BASE COURSE R/L REFERENCE LINE

RIGHT

R.C.C.P. REINFORCED CONCRETE CULVERT PIPE

REO'D REOUIRED R.H.F. RIGHT HAND FORWARD R/W RIGHT OF WAY RIVER R.

RT

RD. ROAD SHOULDER(S) SHLD. SHR. SHRINKAGE S SOUTH

S.F. SQUARE FOOT (FEET) SDD STANDARD DETAIL DRAWING(S) STH STATE TRUNK HIGHWAY

STATION STA. S.E. SUPERELEVATION S/L SURVEY LINE Т **TANGENT** TEL. TELEPHONE TEMP. **TEMPORARY** 

T.L.E. TEMPORARY LIMITED EASEMENT

TOP OF CURB T.O.C. т.

(TRUCKS) PERCENT OF TYP. TYPICAL UNCL. UNCLASSIFIED U.G. UNDERGROUND (CABLE)

VERTICAL CURVE V.C.

WEST

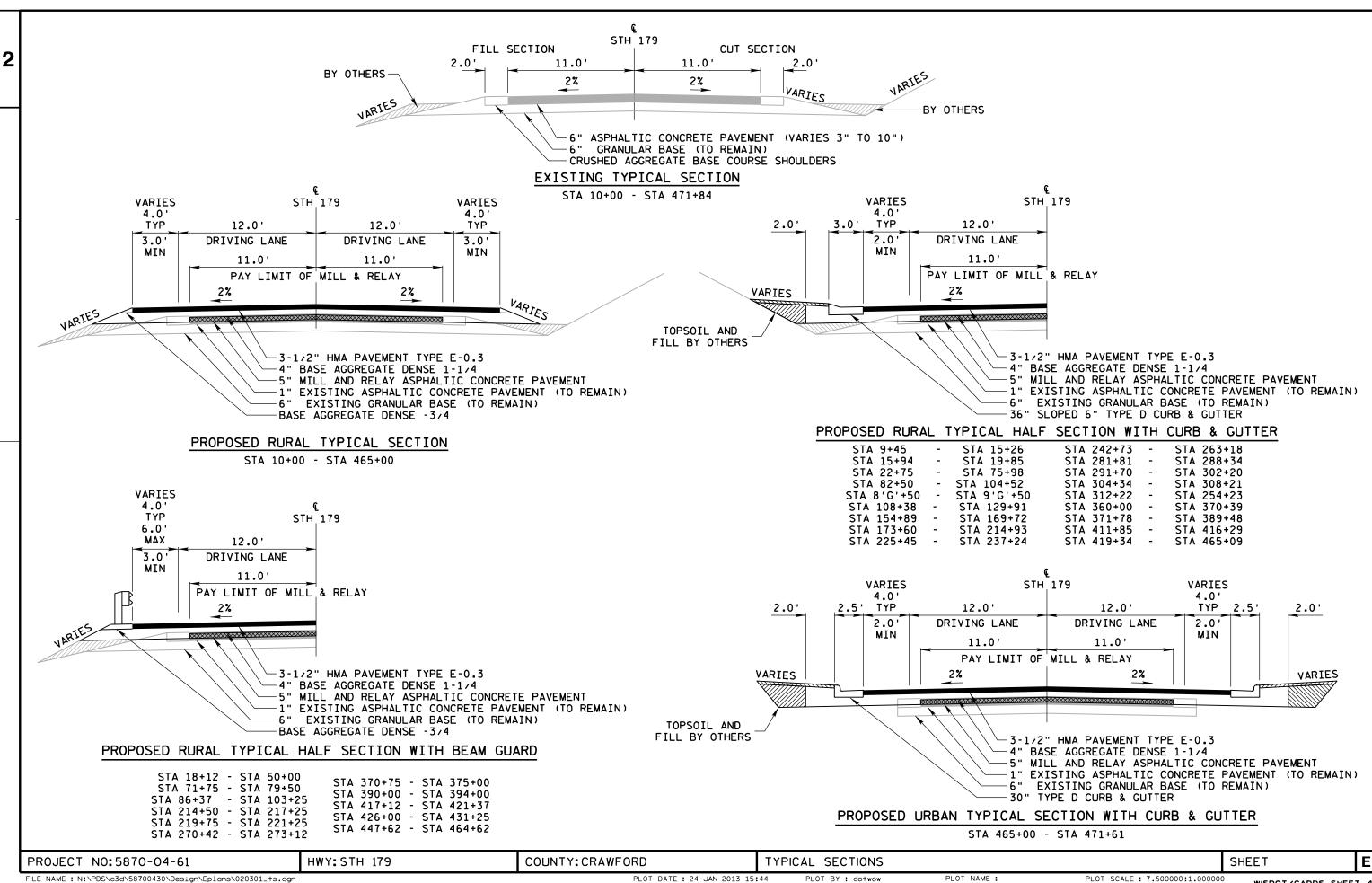
Toll Free (800) 242-8511 Milwaukee Area (414) 259-1181 Hearing Impaired TDD (800) 542-2289 www.DiggersHotline.com

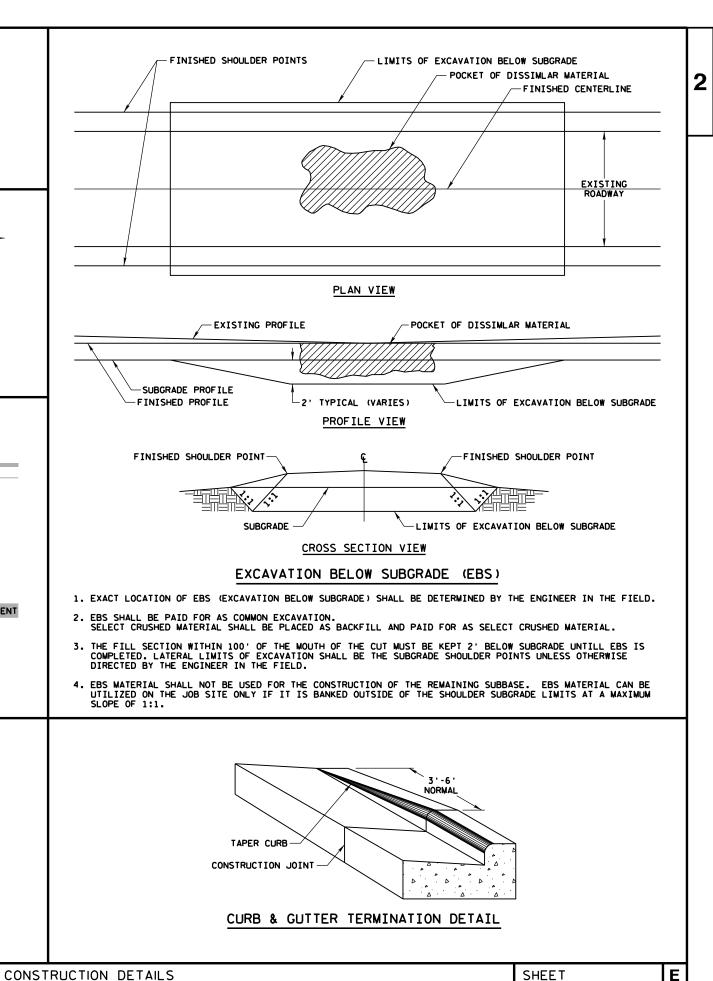
DOT CONTACT

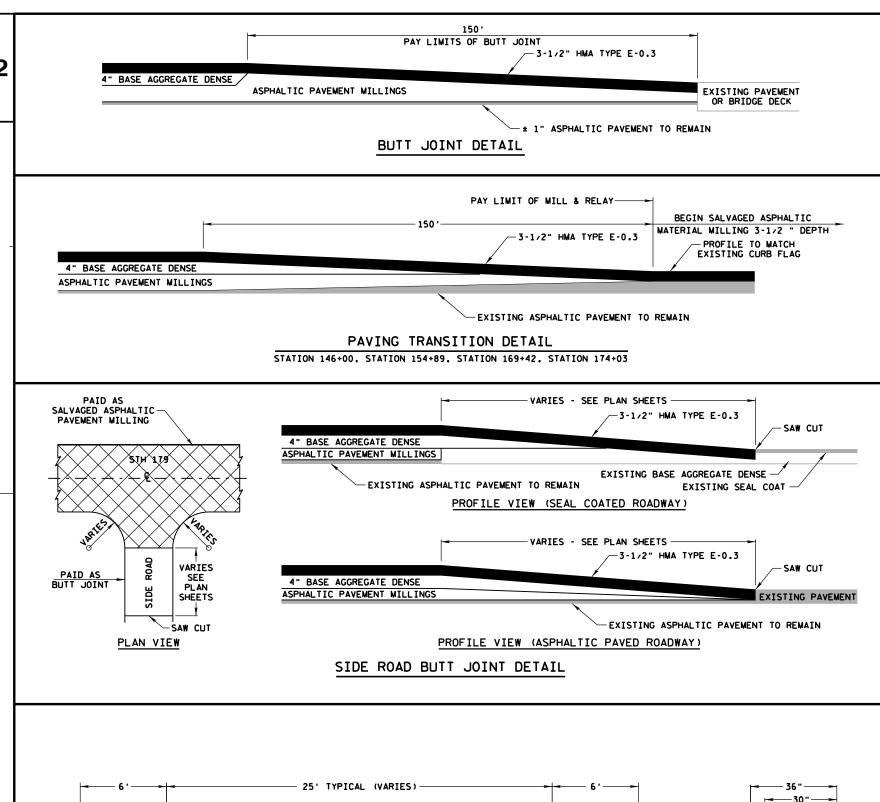
Karen.Kalvelages@wi.gov

Ε **STATE PROJECT NO: 5870-04-61 HWY: STH 179 COUNTY: CRAWFORD GENERAL NOTES** SHEET NO:

FILE NAME : PLOT DATE: PLOT BY: PLOT NAME: ORIGINATOR: DIST\_ PLOT SCALE: 1:1 ORG DATE:







CURB OPENING AT ENTRANCES DETAIL

HWY: STH 179

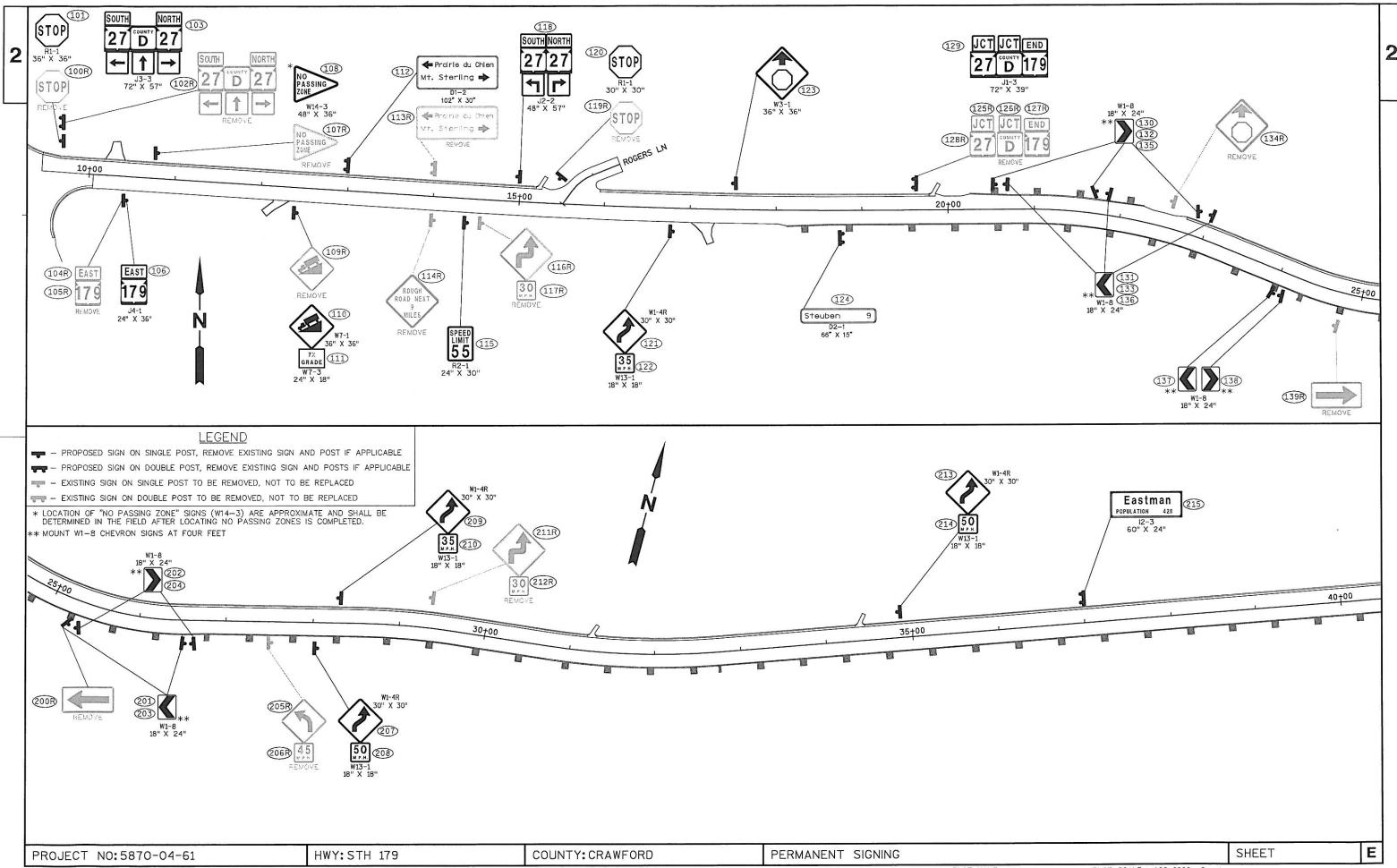
PROJECT NO:5870-04-61

FLOW LINE-

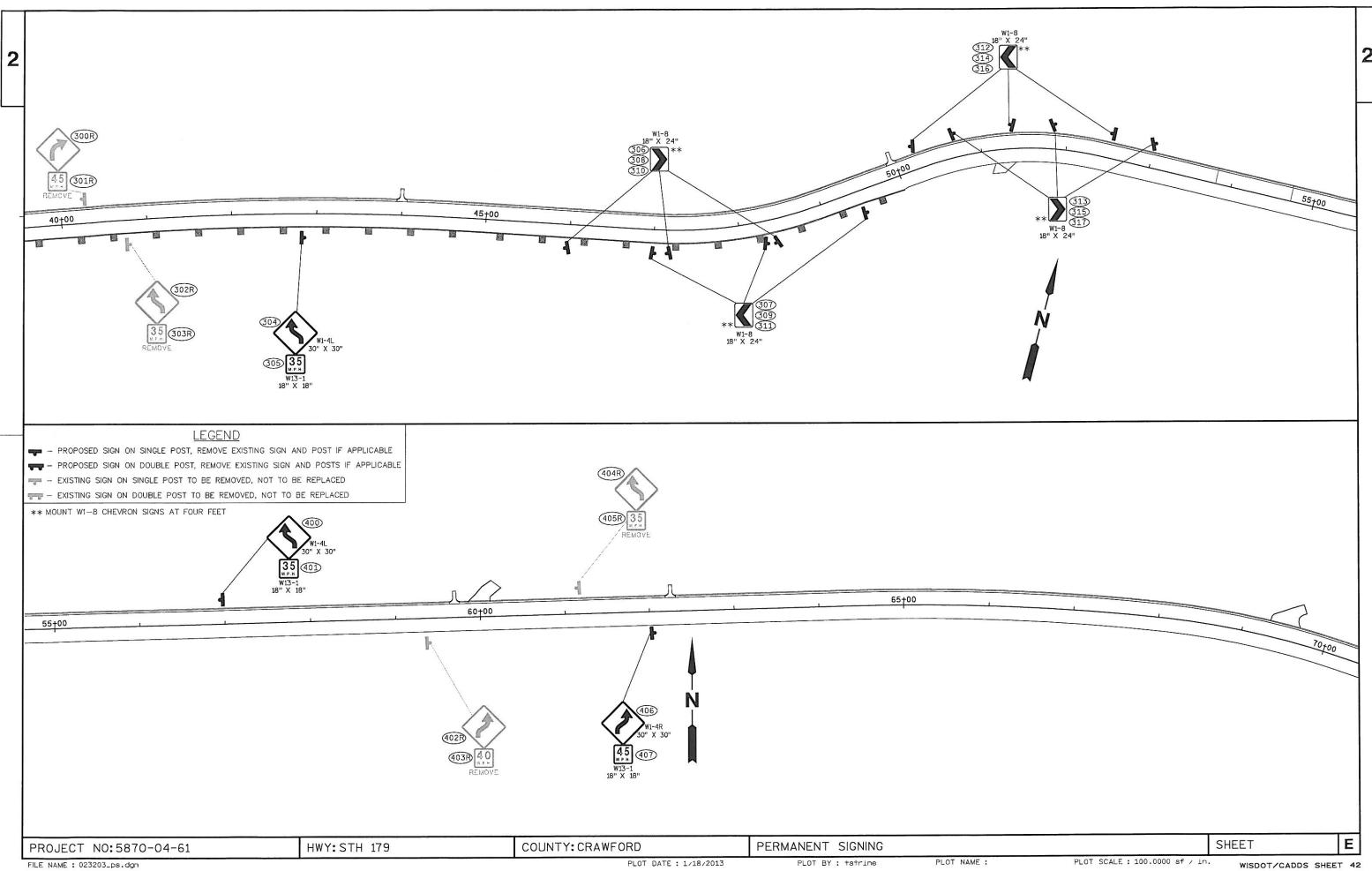
COUNTY: CRAWFORD

SECTION AA

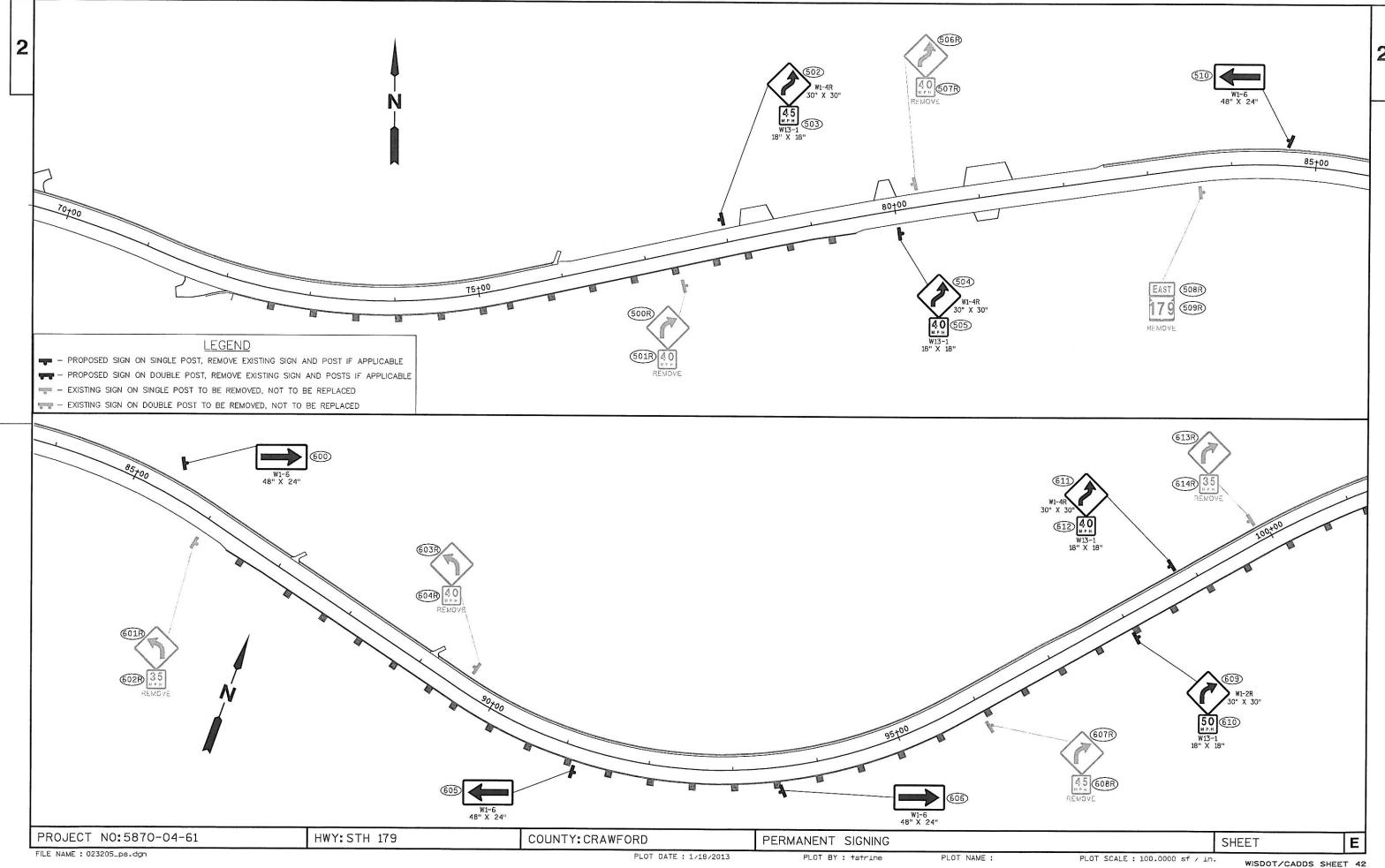
PLOT BY : dotwow

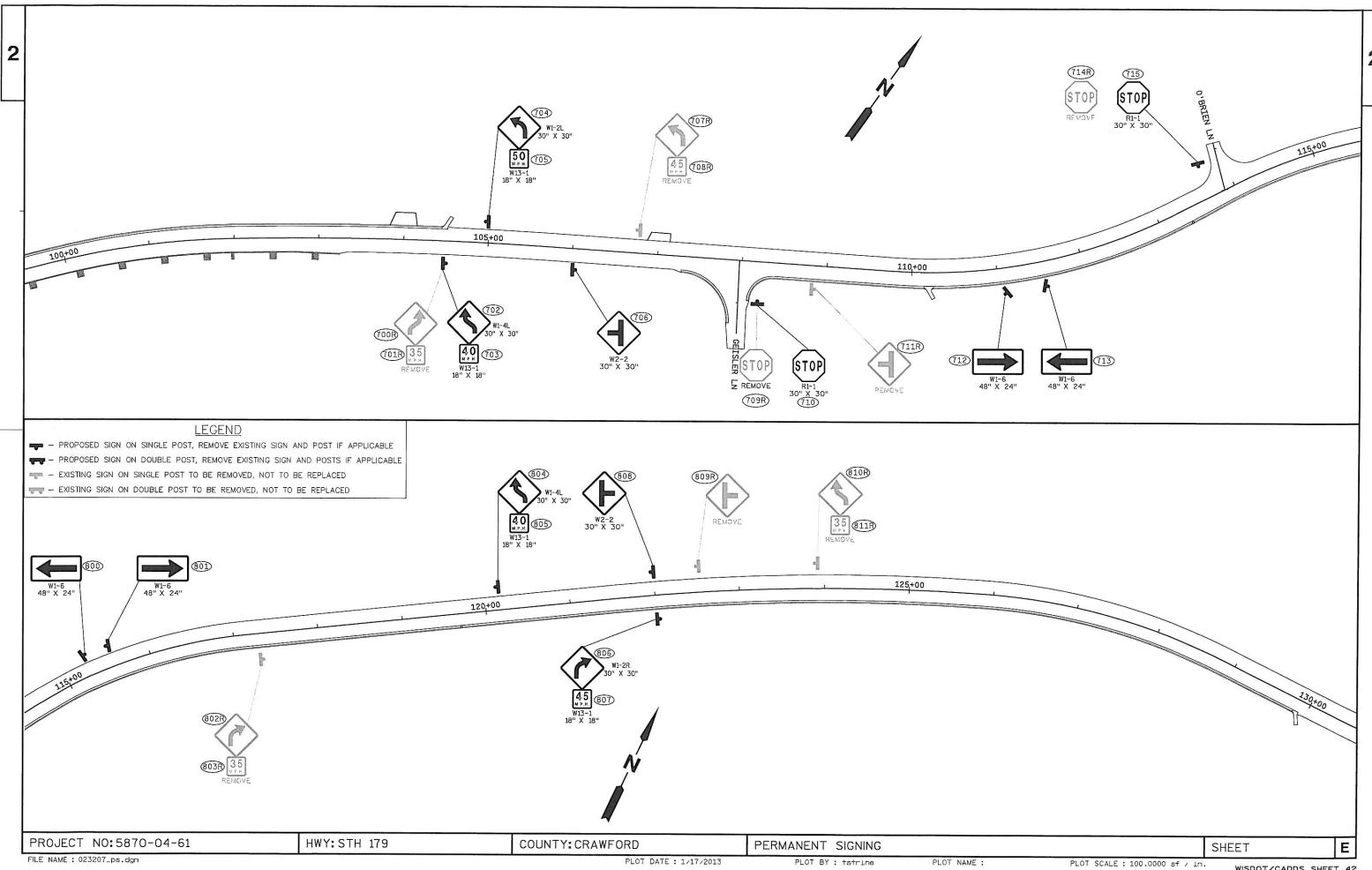


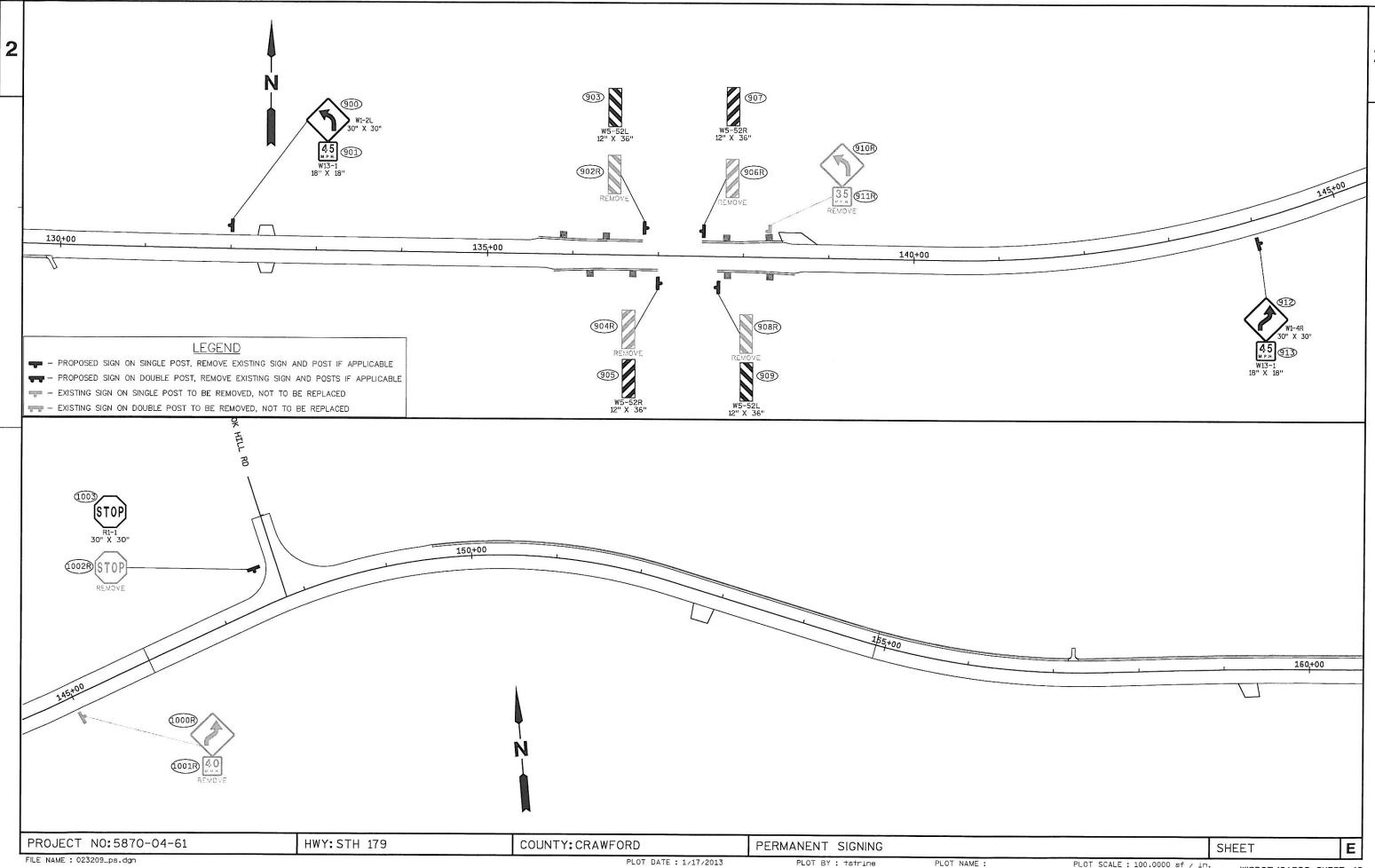
FILE NAME: 023201\_ps.dgn PLOT BY: tstrine PLOT NAME: PLOT SCALE: 100.0000 sf / in. WISDOT/CADDS SHEET 42



: 023203\_ps.dgn

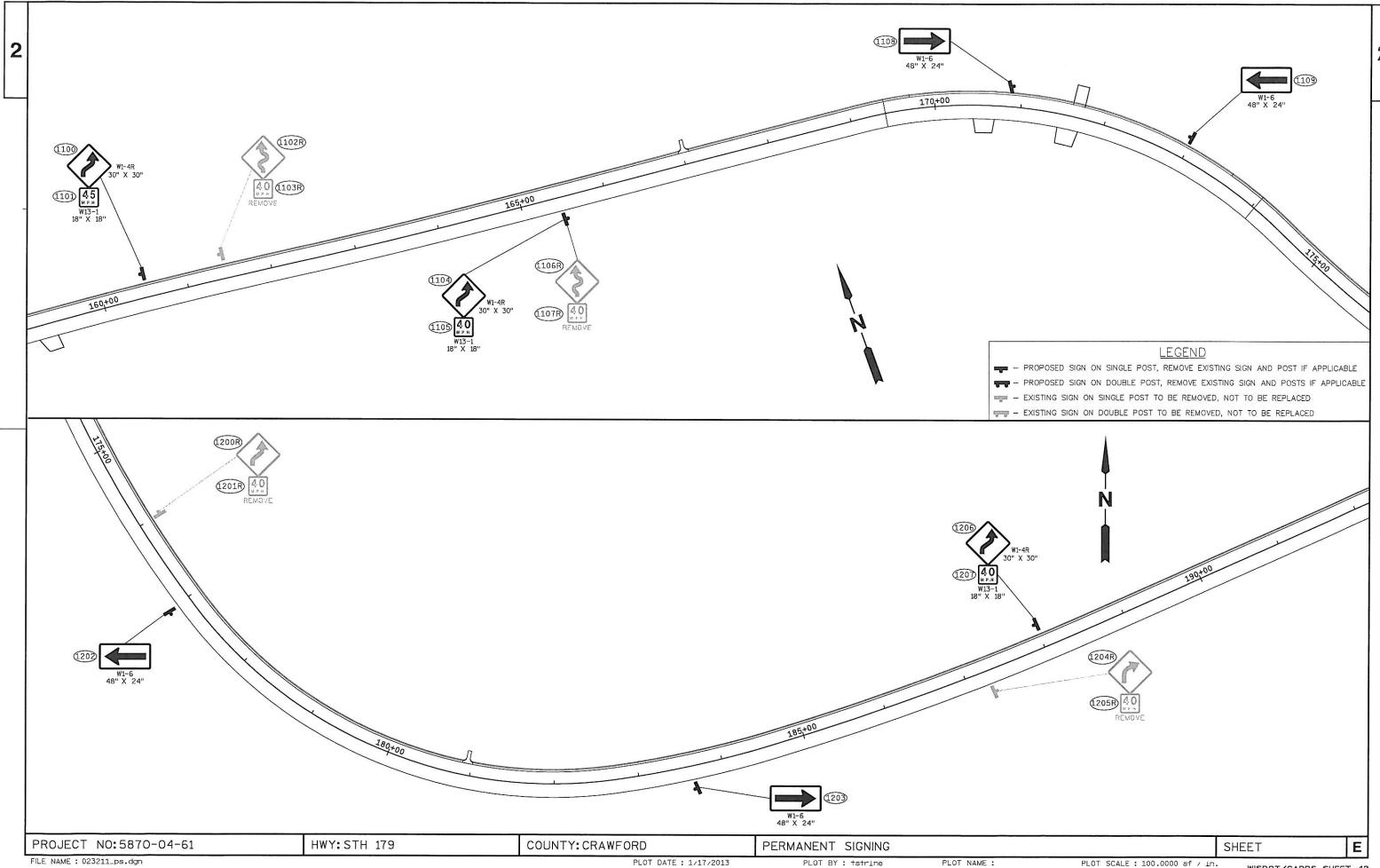






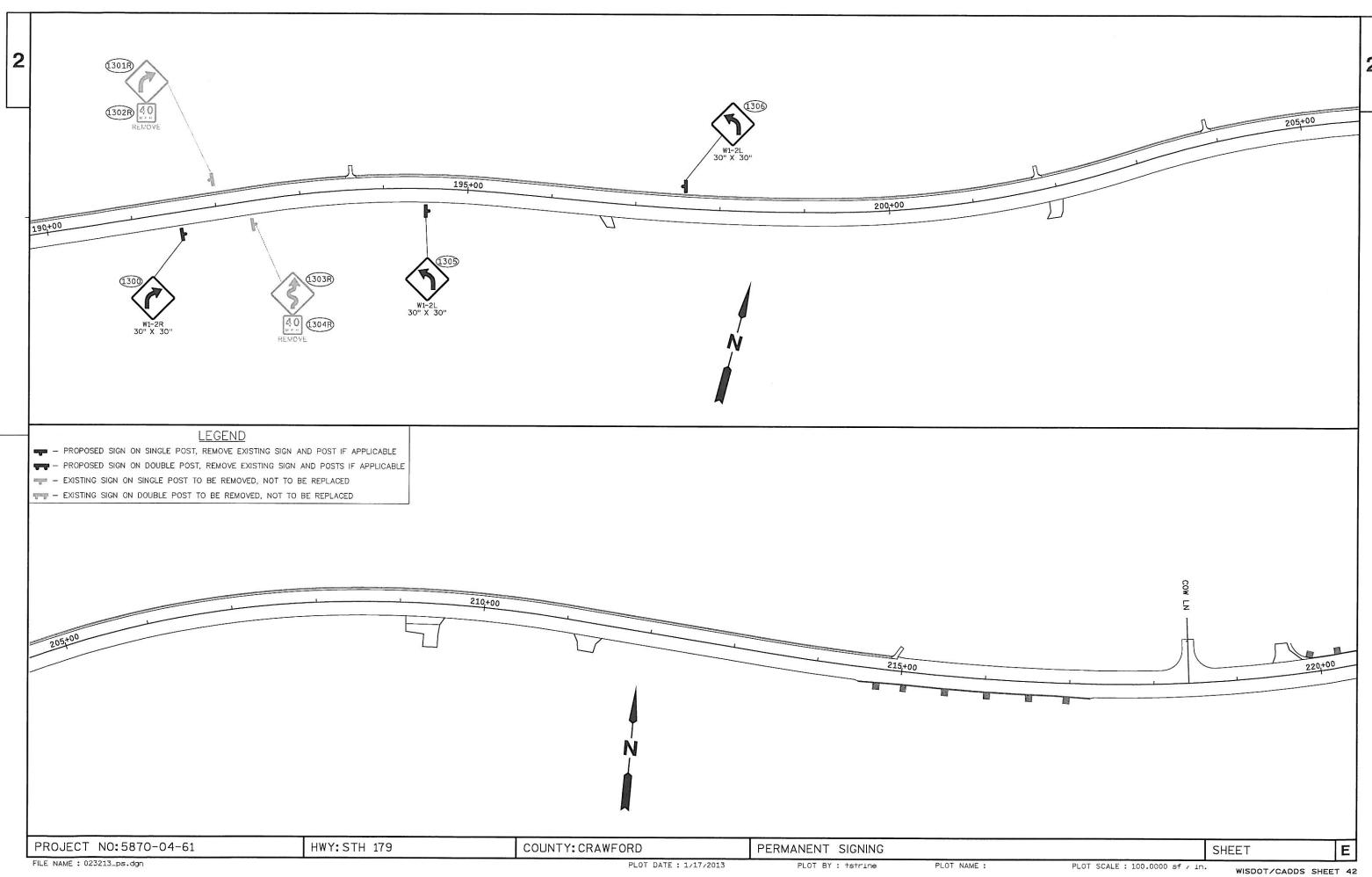
PLOT BY : tstrine

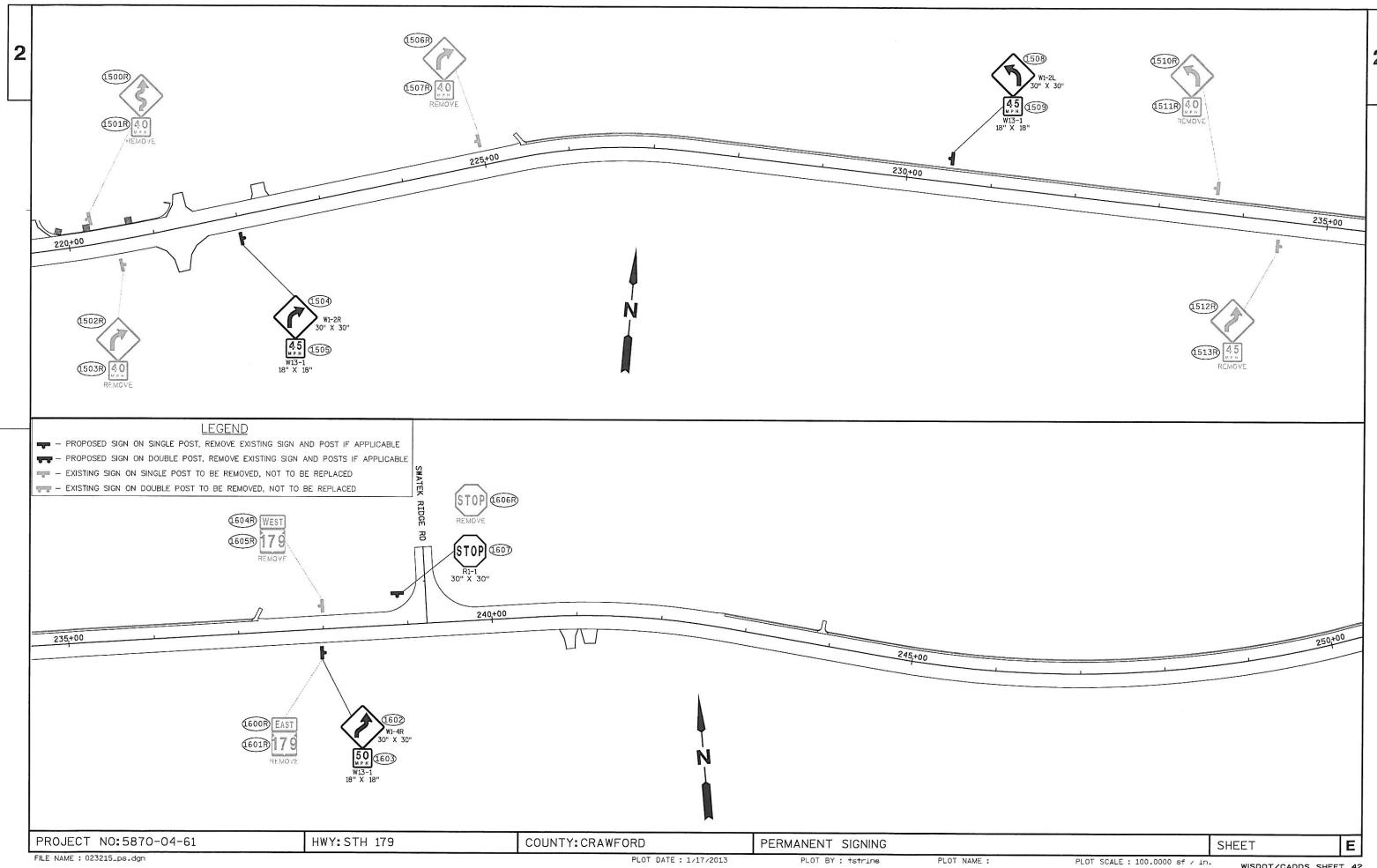
PLOT SCALE: 100.0000 sf / in.

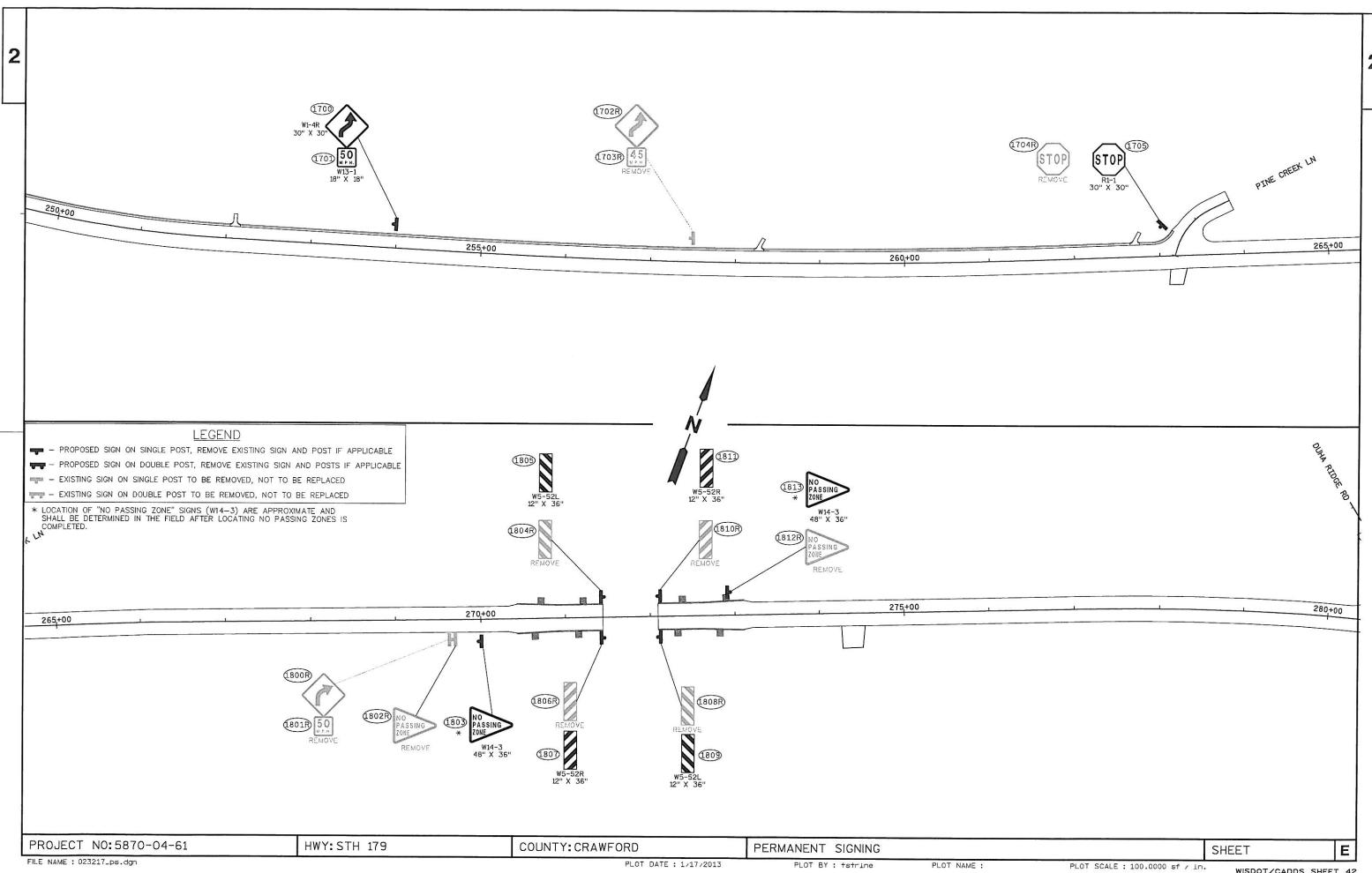


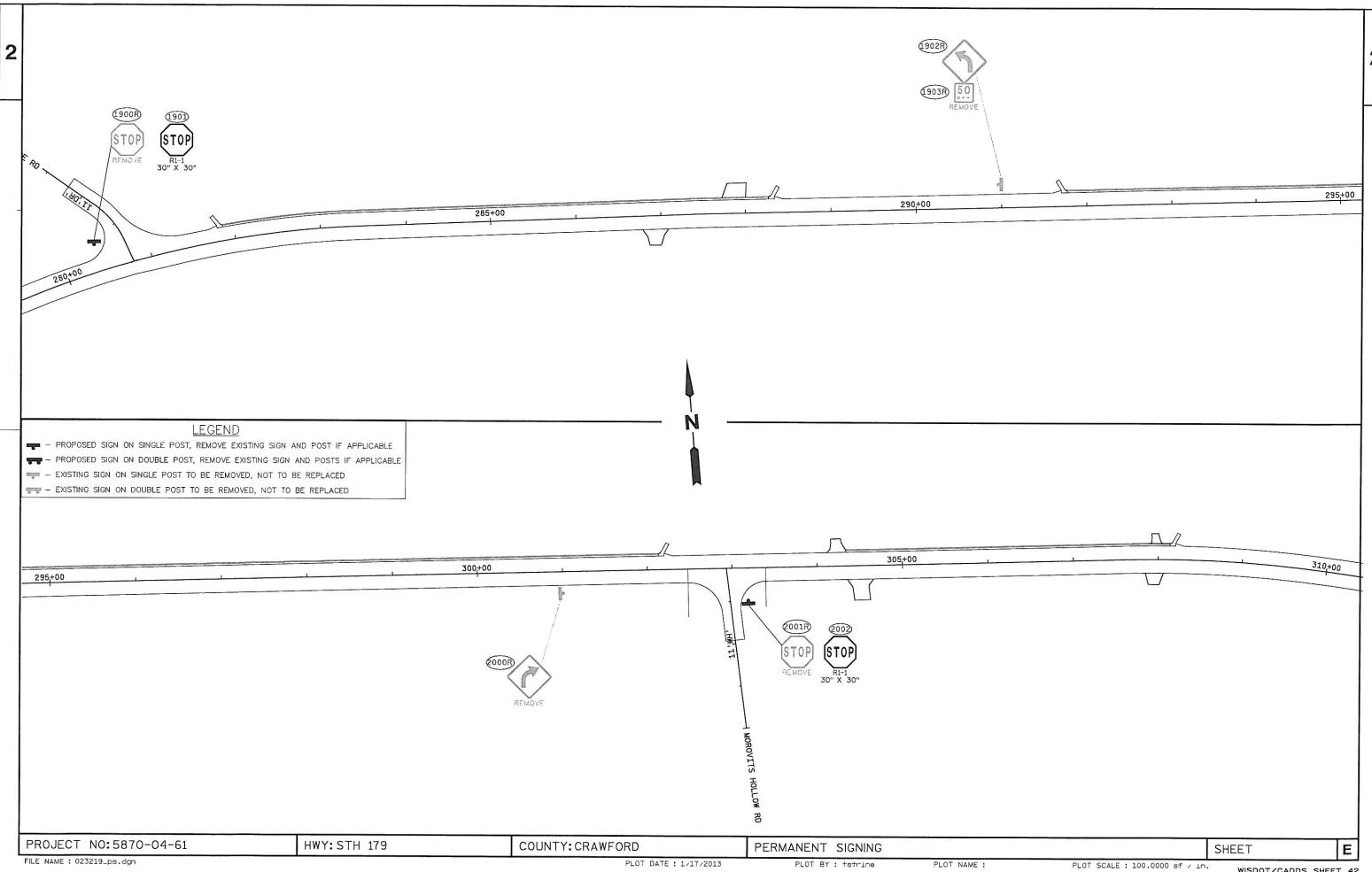
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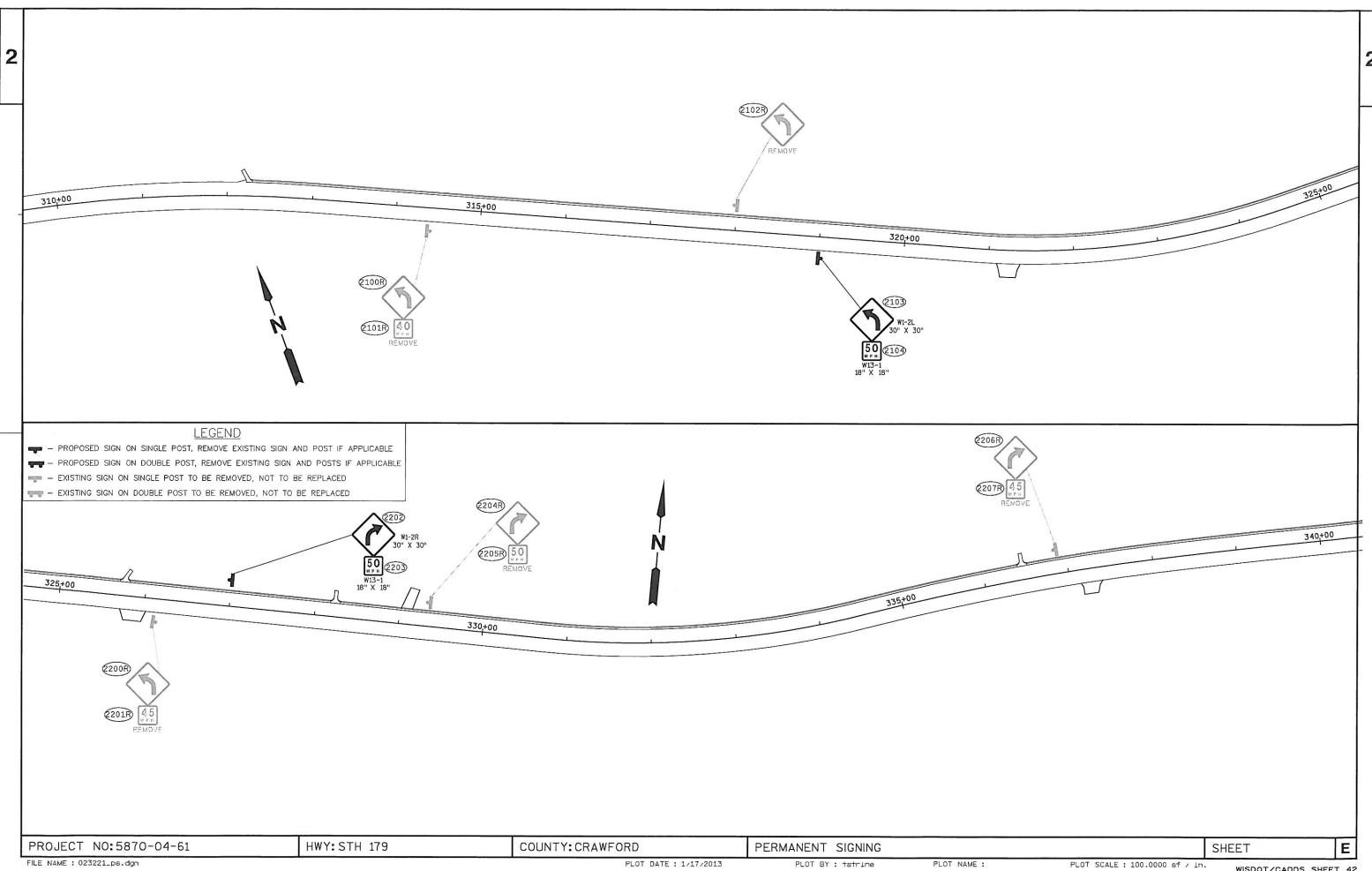
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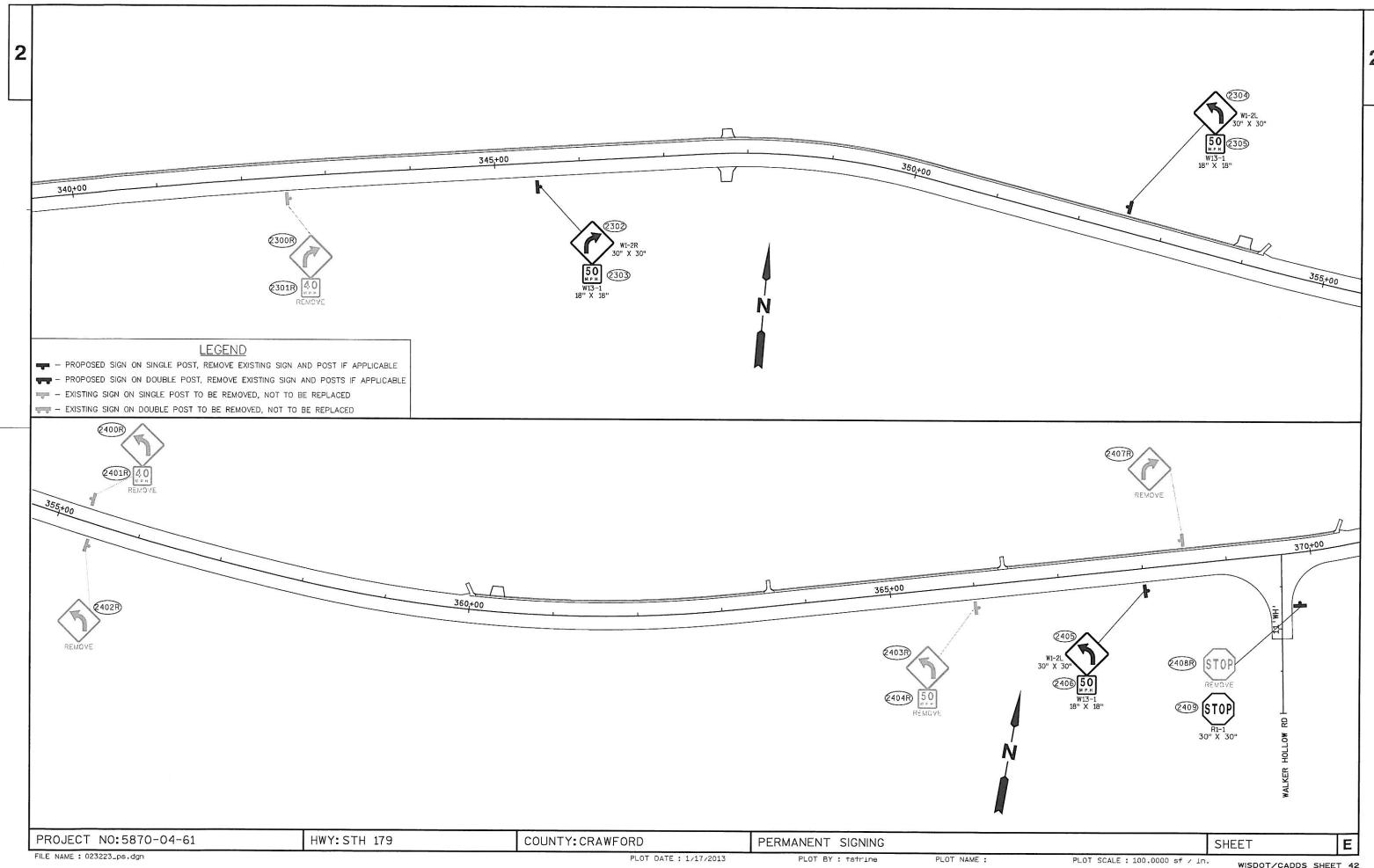


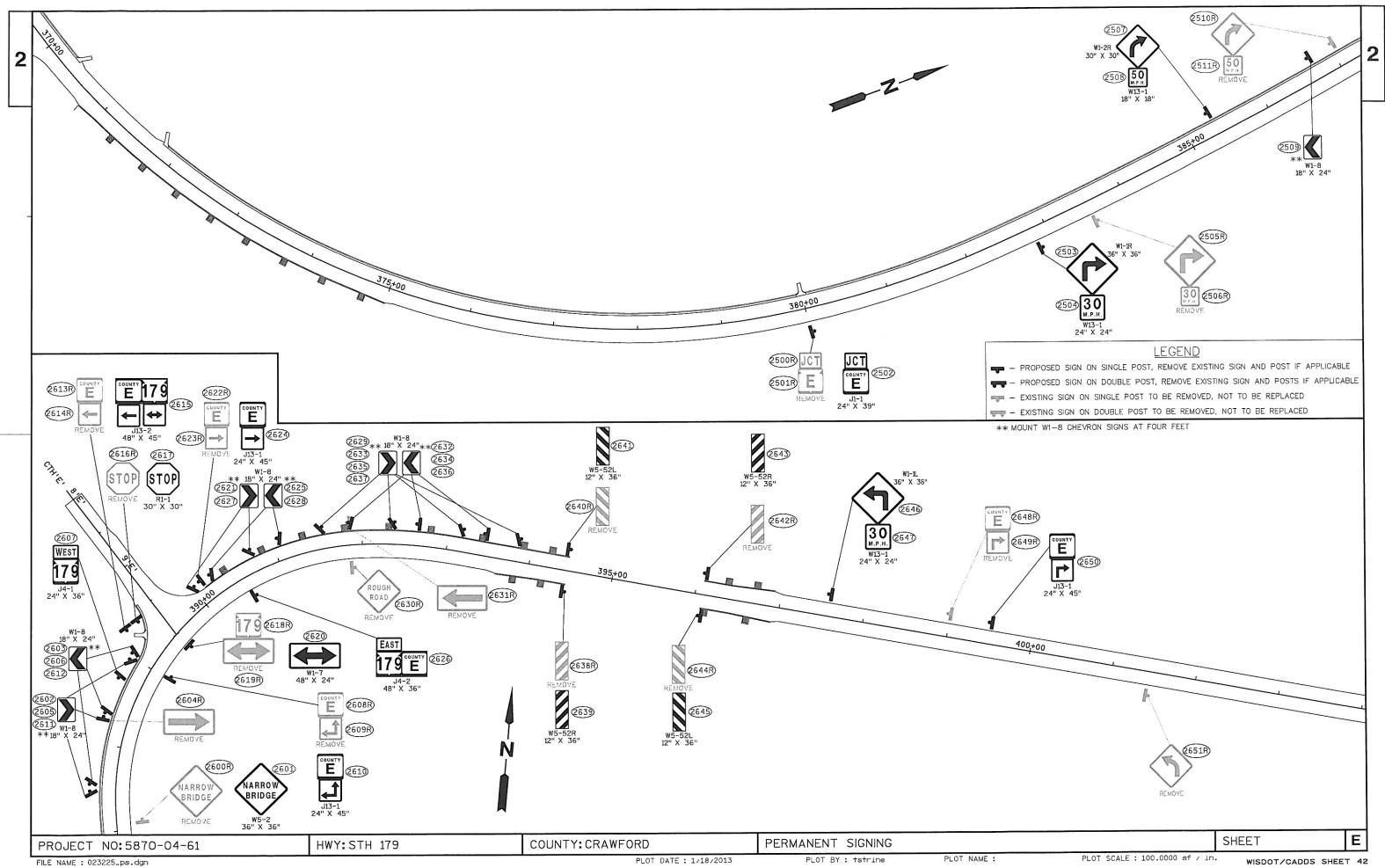








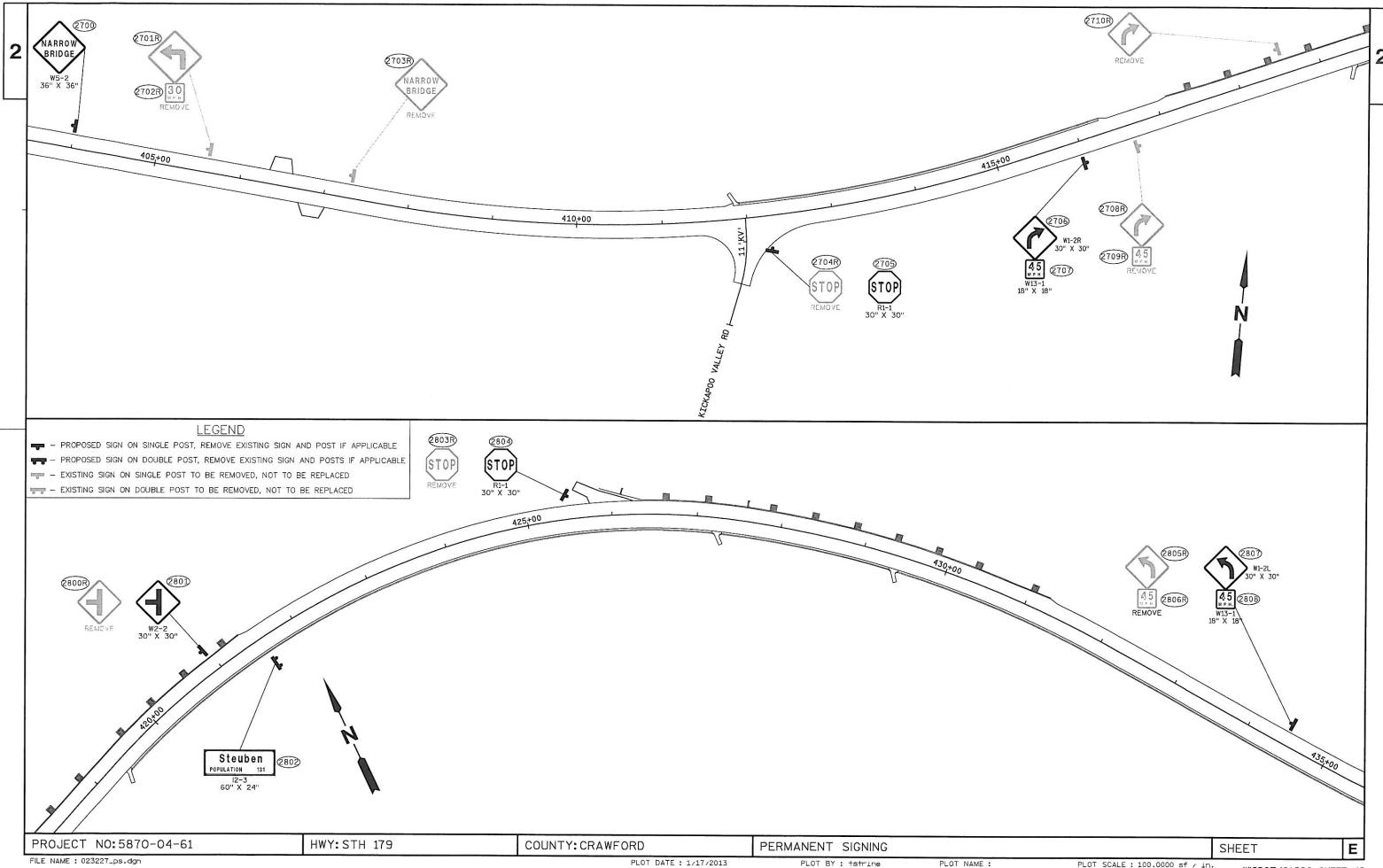




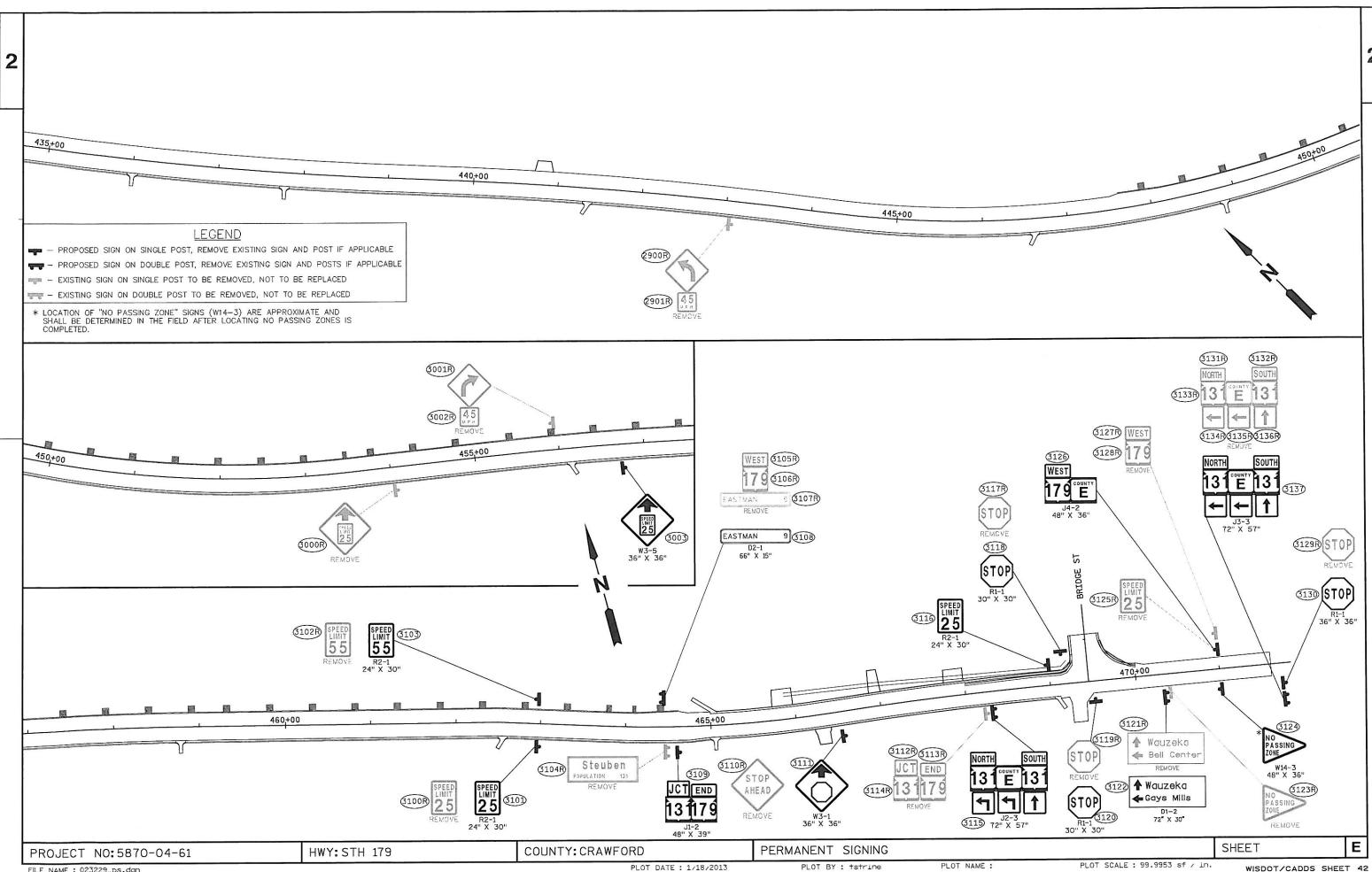
PLOT DATE: 1/18/2013

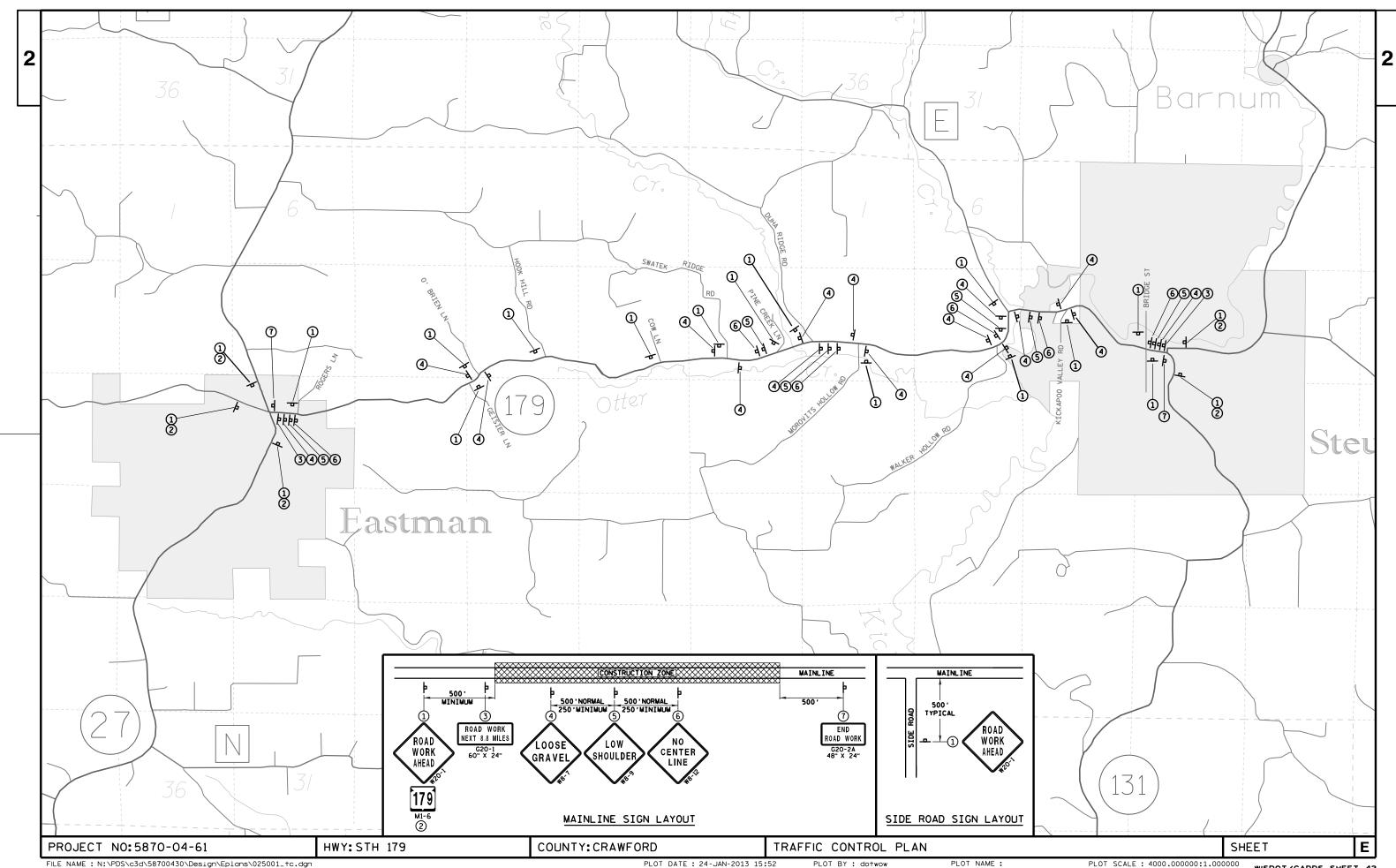
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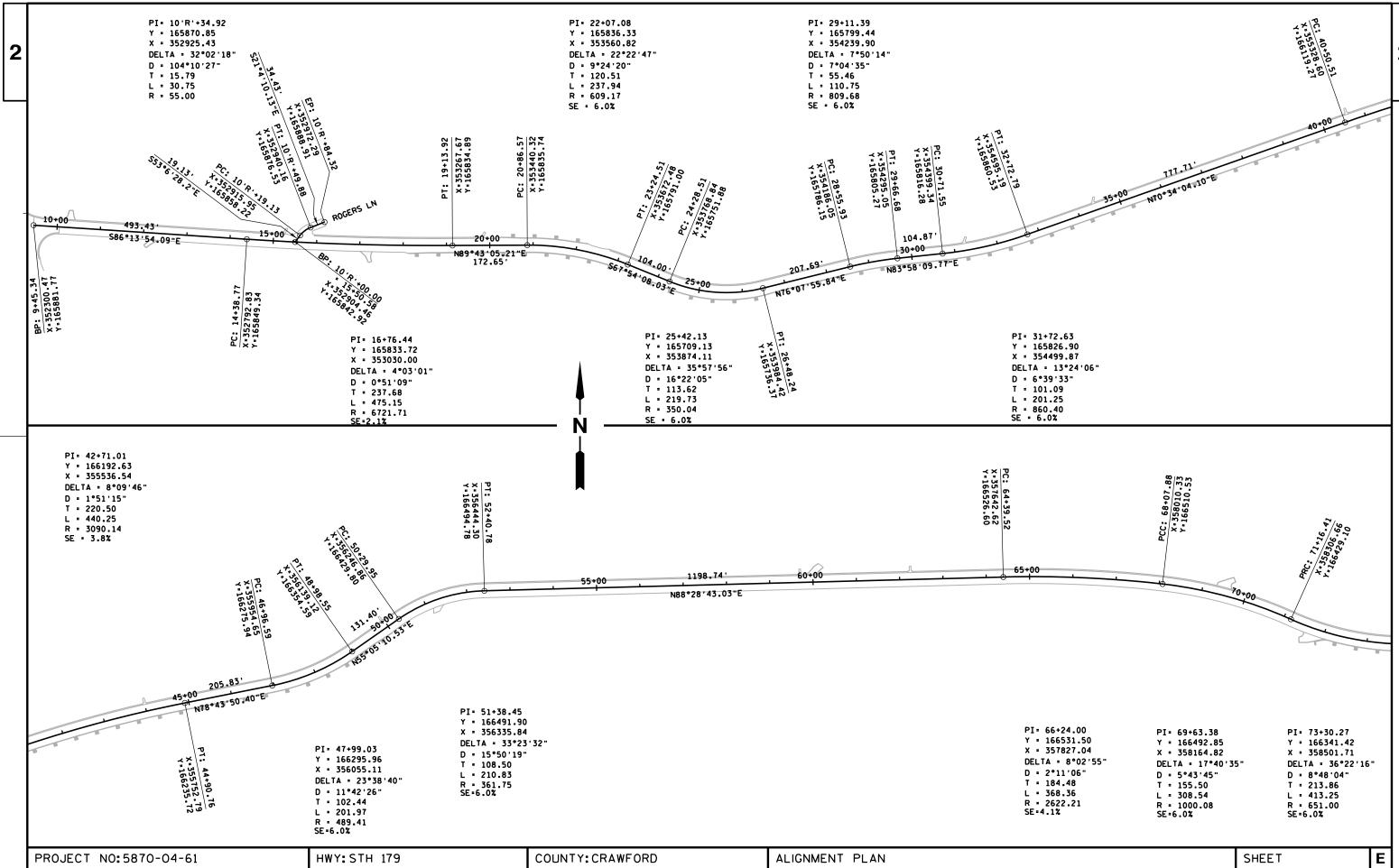
PLOT SCALE: 100.0000 sf / in.



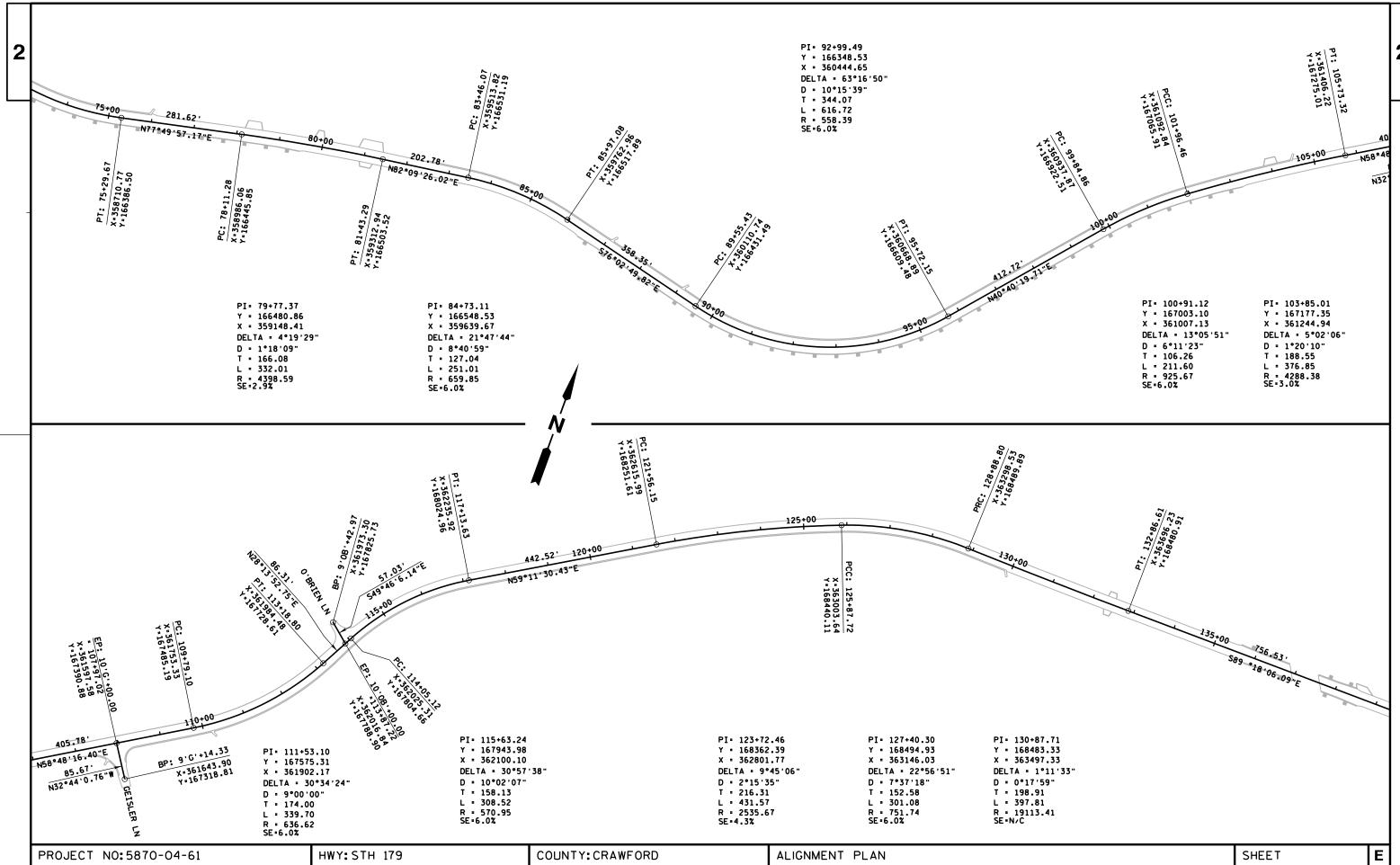
PLOT SCALE: 100.0000 sf / in. WISDOT/CADDS SHEET 42



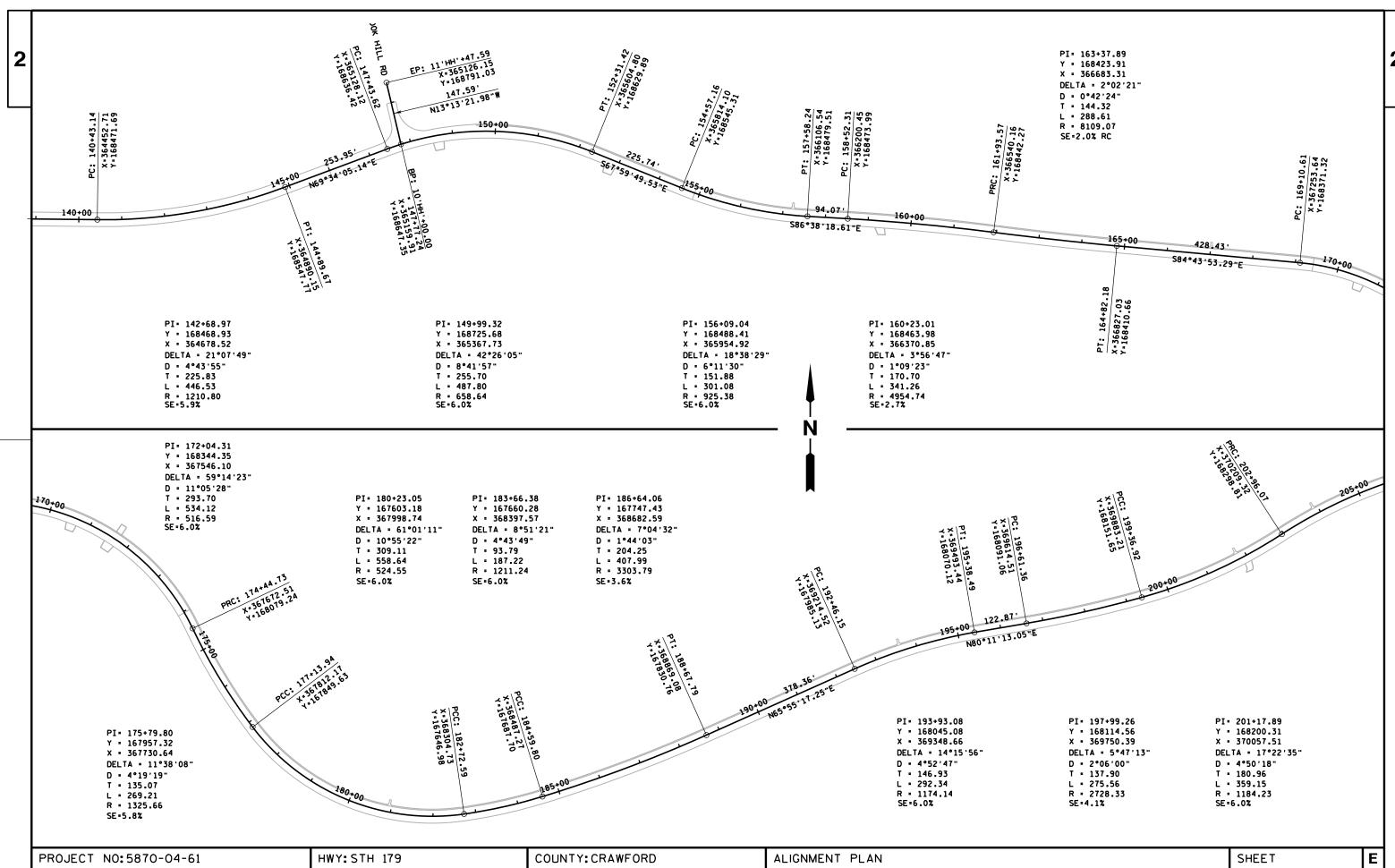


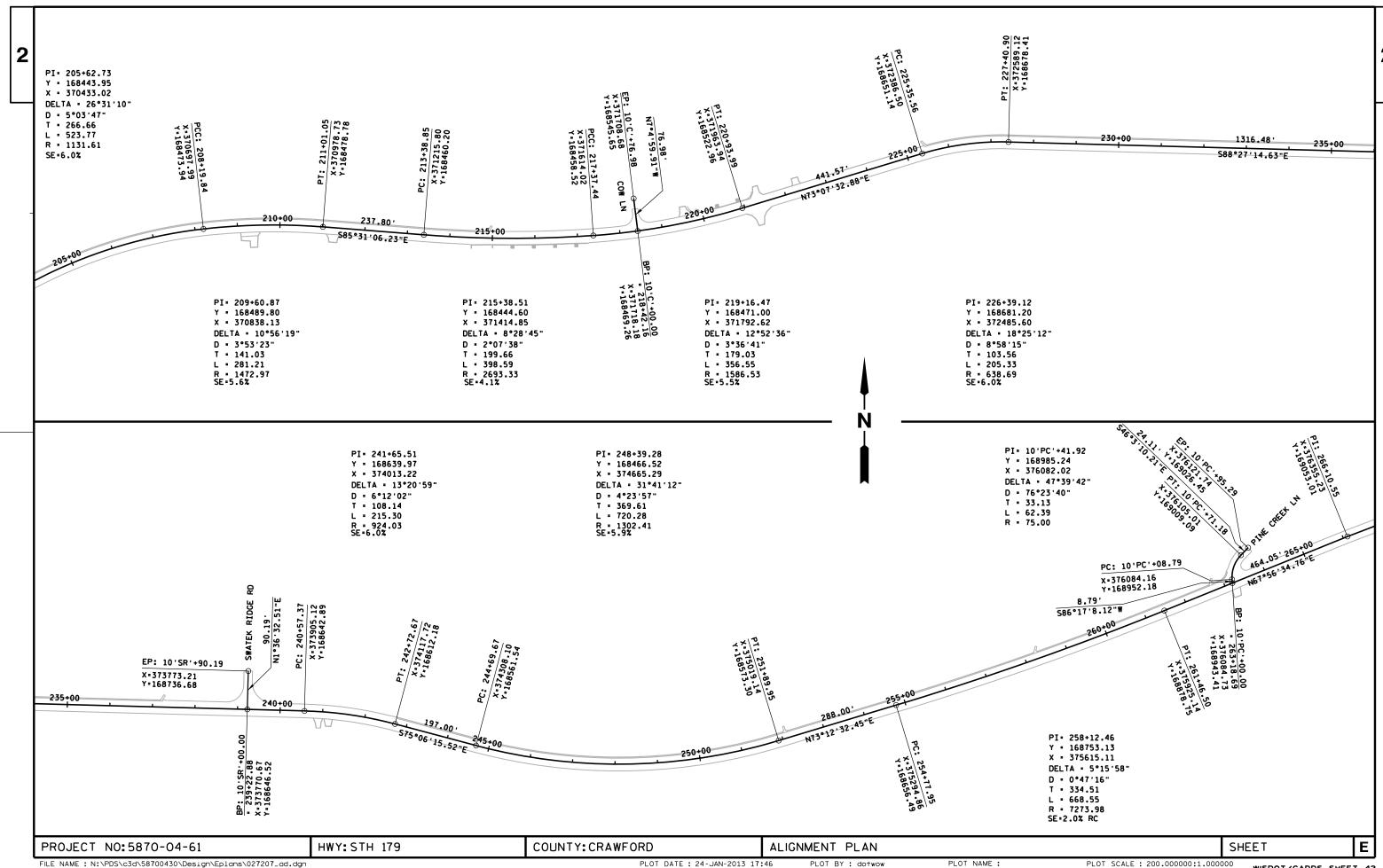


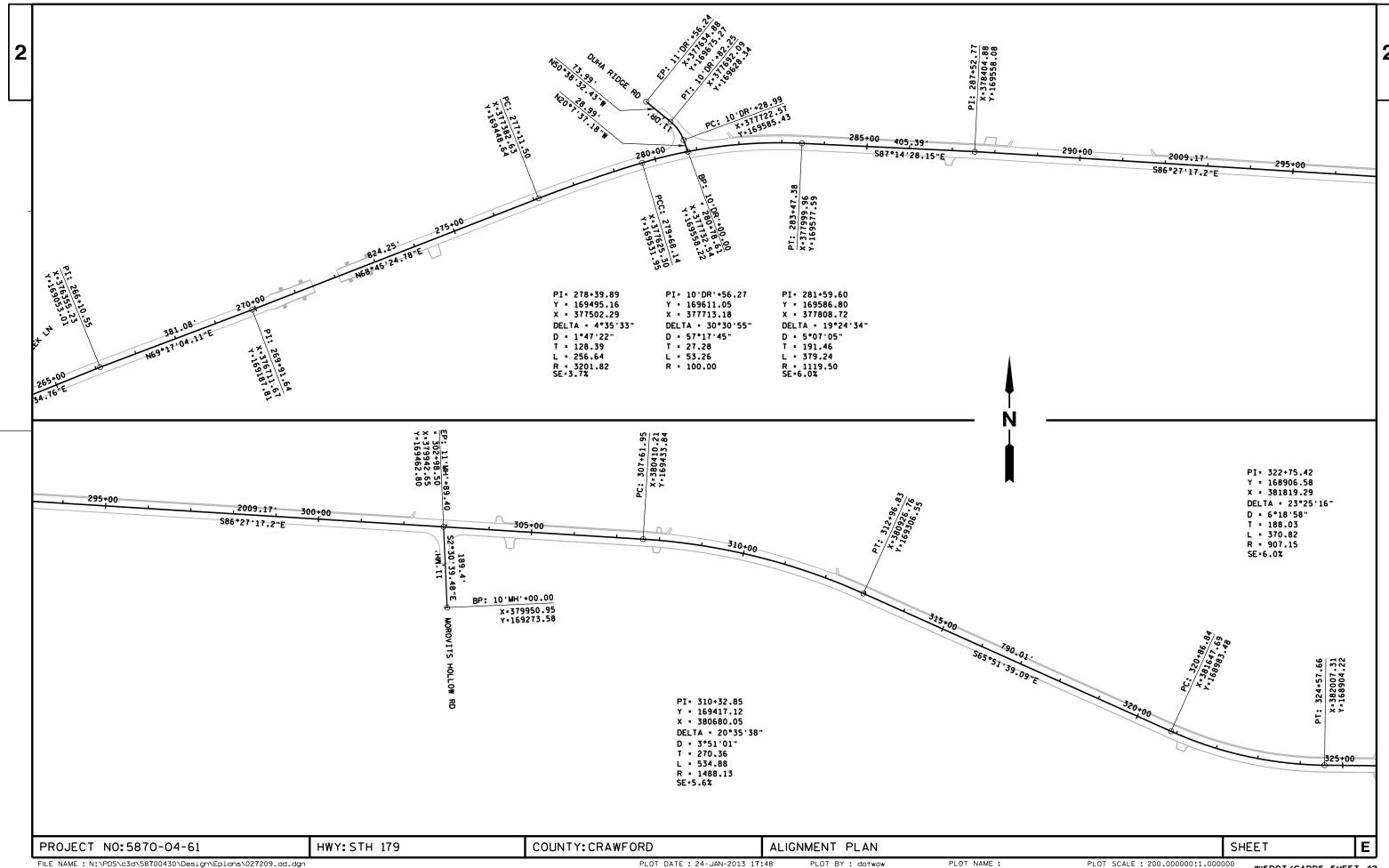
PLOT BY : dotwow

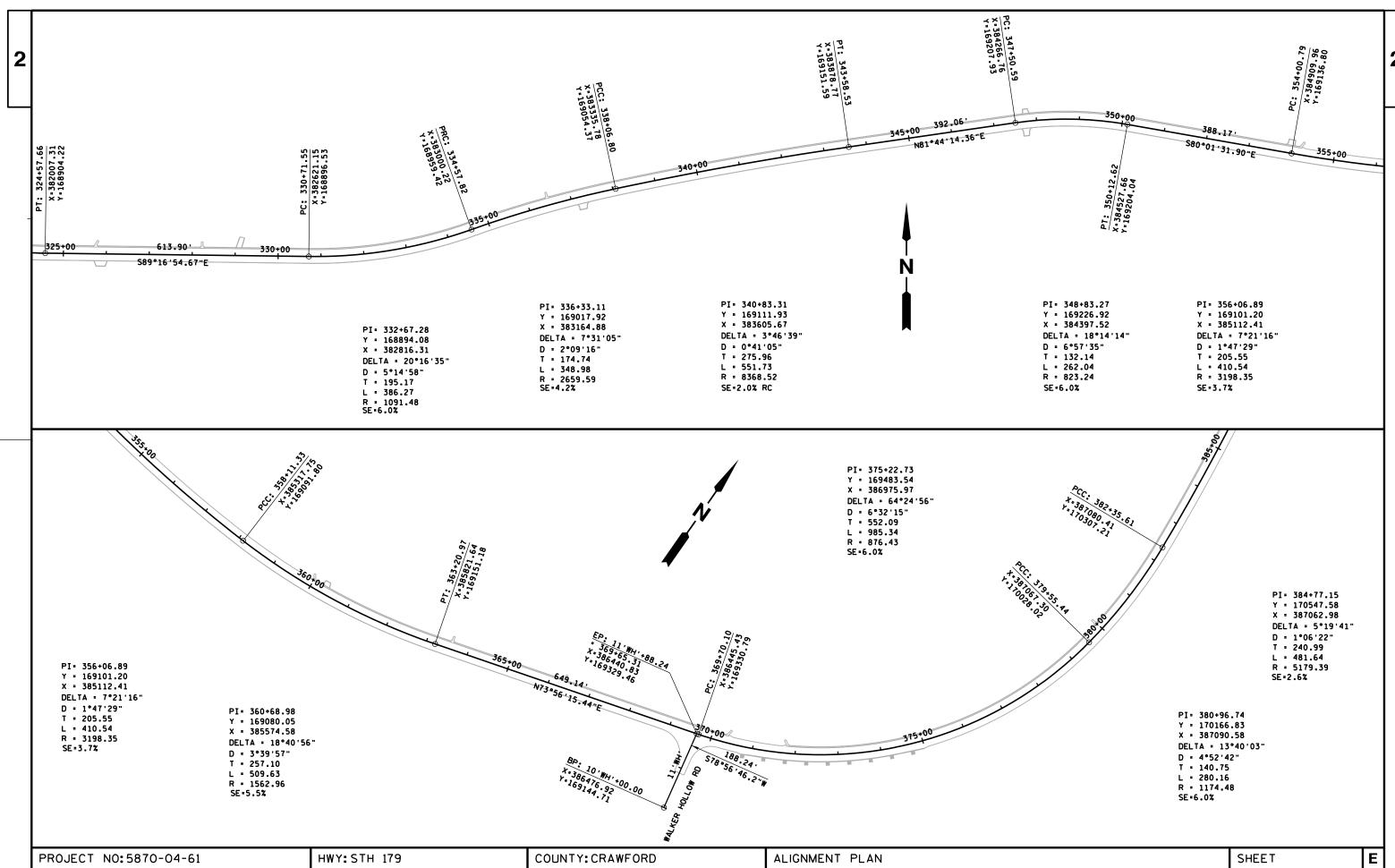


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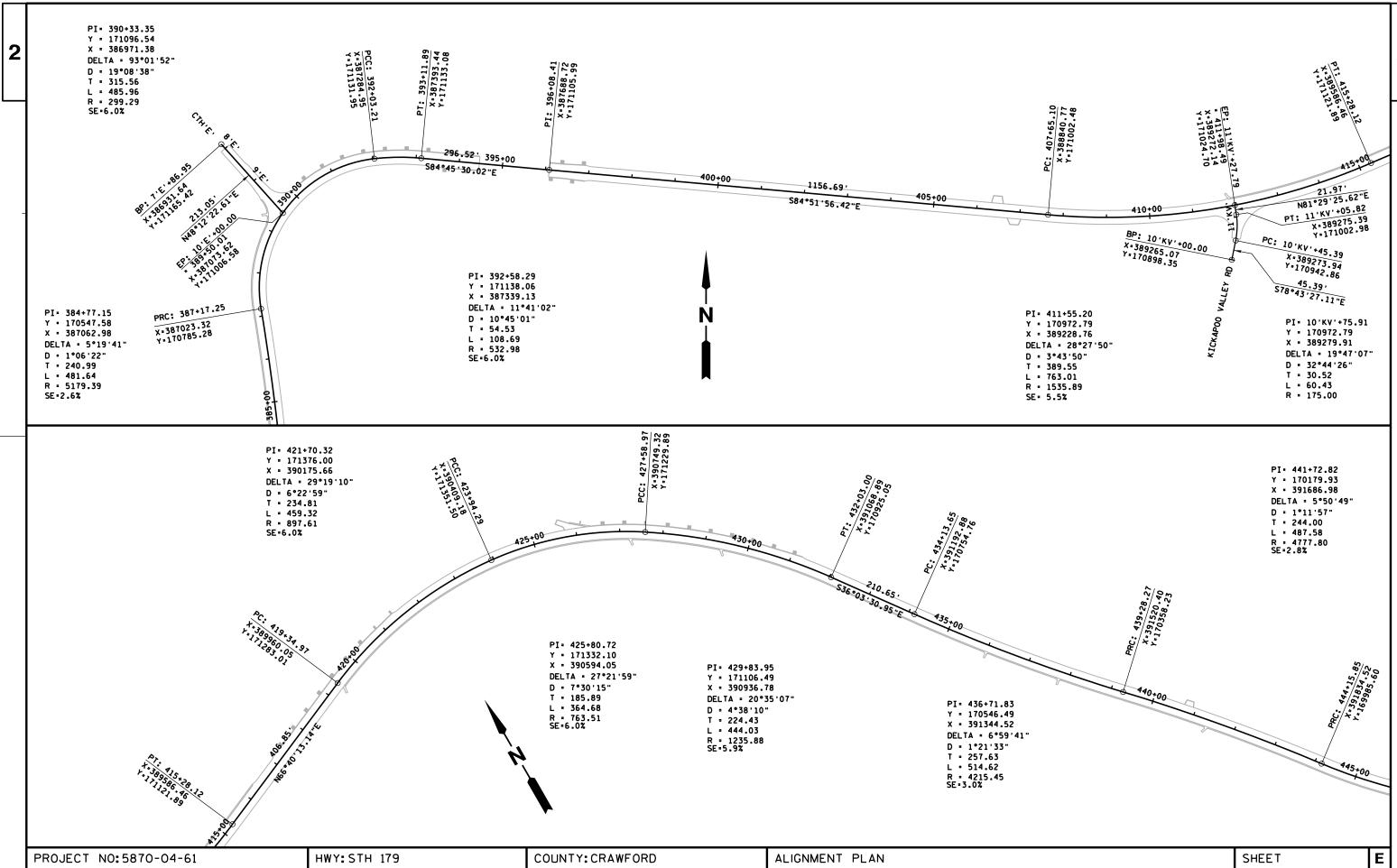




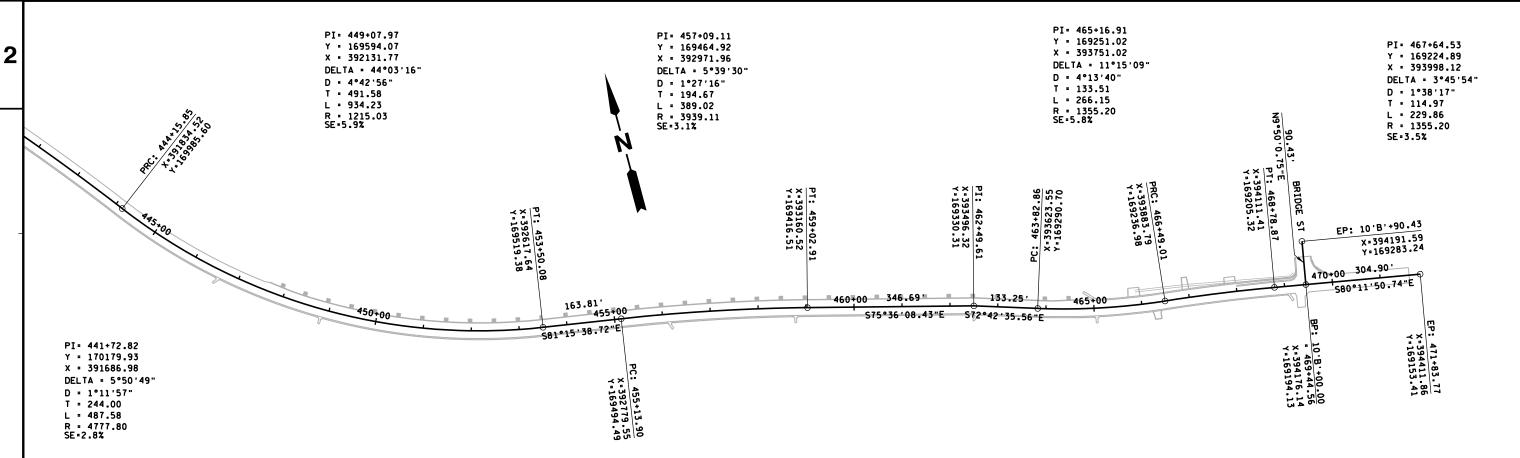




PLOT NAME :







## SURVEY CONTROL

DESIGNATION PID	GEOGRAPHIC COORDINATE LATITUDE LON	S ELLIPSOID SITUDE HEIGHT	NORTHING	EASTING	ORTHOMETRIC HEIGHT
EASTMAN GPS DH5000 STEUBEN GPS DH5056 EASTMAN E GPS DH5057 EASTMAN S GPS DH5341 SENECA E GPS DH5348	43°10'24.56256" (N) 091°01'02 43°11'02.13841" (N) 090°50'28 43°10'52.43407" (N) 090°55'23 43°08'08.55004" (N) 090°56'58 43°13'26.83241" (N) 090°56'42	.28922" (W) 172.725 (m) .97550" (W) 181.494 (m) .59208" (W) 184.564 (m)	170.327.406 169.330.016 152.736.566	352.097.445 399.059.120 377.151.230 370.138.436 371.297.888	673.70 (feet) 701.68 (feet) 711.3 (feet) *

<sup>\*</sup> THESE HEIGHTS ARE BASED ON GPS OBSERVATIONS AND PURPOSELY ONLY ENTERED TO THE NEAREST 0.1 FEET.

HWY: STH 179 COUNTY: CRAWFORD ALIGNMENT PLAN / CONTROL POINTS SHEET PROJECT NO:5870-04-61 PLOT BY : dotwow

DATE 06 LINE	MAR13	EST	IMAT	E O F Q U A N	ITITIES 5870-04-61
NUMBER 0010	I TEM 204. 0110	ITEM DESCRIPTION REMOVING ASPHALTIC SURFACE	UNI T SY	TOTAL 338. 000	QUANTI TY 338. 000
0020	204. 0115	REMOVING ASPHALTIC SURFACE BUTT JOINTS	SY	3, 657. 000	3, 657. 000
0030 0040	204. 0150 204. 0155	REMOVING CURB & GUTTER REMOVING CONCRETE SIDEWALK	LF SY	266. 000 40. 000	266. 000 40. 000
0050	204. 0165	REMOVING GUARDRAIL	LF	863. 000	863. 000
0060 0070	205. 0100 213. 0100	EXCAVATION COMMON FINISHING ROADWAY (PROJECT) 01. 5870-04-61	CY EACH	2, 800. 000 1. 000	2, 800. 000 1. 000
0800	305. 0110	BASE AGGREGATE DENSE 3/4-INCH	TON	10, 687. 000	10, 687. 000
0090 0100	305. 0120 312. 0110	BASE AGGREGATE DENSE 1 1/4-INCH SELECT CRUSHED MATERIAL	TON TON	64, 460. 000 5, 000. 000	64, 460. 000 5, 000. 000
				· 	· 
0110 0120	330. 0100 416. 1010	MILL AND RELAY CONCRETE SURFACE DRAINS	SY CY	106, 350. 000 60. 000	106, 350. 000 60. 000
0130		S INCENTIVE IRI RIDE	DOL	35, 012. 000	35, 012. 000
0140 0150	455. 0105 455. 0605	ASPHALTIC MATERIAL PG58-28 TACK COAT	TON GAL	1, 765. 000 4, 100. 000	1, 765. 000 4, 100. 000
				· 	· 
0160 0170	460. 1100 460. 2000	HMA PAVEMENT TYPE E-O.3 INCENTIVE DENSITY HMA PAVEMENT	TON DOL	32, 091. 000 20, 540. 000	32, 091. 000 20, 540. 000
0170		S ASPHALT CENTER LINE RUMBLE STRIP 2-LANE	LF	33, 047. 000	33, 047. 000
		RURAL			
0190 0200	490. 0200 601. 0411	SALVAGED ASPHALTIC PAVEMENT MILLING CONCRETE CURB & GUTTER 30-INCH TYPE D	SY LF	4, 557. 000 926. 000	4, 557. 000 926. 000
0210	601. 0557	CONCRETE CURB AND GUTTER 6-INCH SLOPED	LF	33, 703. 000	33, 703. 000
		36-INCH TYPE D			
0220 0230	602. 0405 602. 0505	CONCRETE SIDEWALK 4-INCH CURB RAMP DETECTABLE WARNING FIELD	SF SF	220. 000 16. 000	220. 000 16. 000
0230	002.0303	YELLOW	31	10.000	
0240 0250	611. 0627 611. 0636	INLET COVERS TYPE HM INLET COVERS TYPE HM-S	EACH EACH	1. 000 1. 000	1. 000 1. 000
0260 0270	614. 0305 614. 0370	STEEL PLATE BEAM GUARD CLASS A STEEL PLATE BEAM GUARD ENERGY ABSORBING	LF EACH	363. 000 1. 000	363. 000 1. 000
0270	014.0370	TERMI NAL		1.000	1.000
0280	614. 2300	MGS GUARDRALL 3	LF	6, 000. 000	6, 000. 000
0290 0300	614. 2330 614. 2340	MGS GUARDRAIL 3 K MGS GUARDRAIL 3 L	LF LF	2, 475. 000 113. 000	2, 475. 000 113. 000
0310 0320	614. 2500 614. 2610	MGS THRIE BEAM TRANSITION MGS GUARDRAIL TERMINAL EAT	LF EACH	158. 000 20. 000	158. 000 20. 000
0330	614. 2620	MGS GUARDRAIL TERMINAL TYPE 2	EACH	4. 000	4. 000
0340	618. 0100	MAINTENANCE AND REPAIR OF HAUL ROADS (PROJECT) 01. 5870-04-61	EACH	1. 000	1. 000
0350	619. 1000	MOBILIZATION	EACH	1. 000	1.000
0360	624. 0100	WATER	MGAL	1, 200. 000	1, 200. 000
0370	633.0100	DELINEATOR POSTS STEEL	EACH	12.000	12.000
0380 0390	634. 0612 634. 0614	POSTS WOOD 4X6-INCH X 12-FT POSTS WOOD 4X6-INCH X 14-FT	EACH EACH	42. 000 71. 000	42. 000 71. 000
0400	634. 0616	POSTS WOOD 4X6-INCH X 16-FT	EACH	39. 000	39. 000
0410	634. 0618	POSTS WOOD 4X6-INCH X 18-FT	EACH	5. 000	5. 000
0420	637. 0202	SIGNS REFLECTIVE TYPE II	SF	1, 076. 320	1, 076. 320
0430 0440	638. 2602 638. 3000	REMOVING SIGNS TYPE II REMOVING SMALL SIGN SUPPORTS	EACH EACH	193. 000 126. 000	193. 000 126. 000
0450	642. 5201	FIELD OFFICE TYPE C	EACH	1. 000	1. 000
0460	643. 0100	TRAFFIC CONTROL (PROJECT) 01. 5870-04-61	EACH	1. 000	1. 000
0470	643.0300	TRAFFIC CONTROL DRUMS	DAY	13, 000. 000	13, 000. 000
0480 0490	643. 0900 646. 0106	TRAFFIC CONTROL SIGNS PAVEMENT MARKING EPOXY 4-INCH	DAY LF	1, 000. 000 183, 860. 000	1, 000. 000 183, 860. 000
0470	370.0100	TAVEMENT MARKETNO EL OAT 4-TINOTI	_1	103, 000. 000	103, 000. 000

DATE 06 LINE	SMAR13	E	STIMAT	E O F Q U A I	N T I T I E S 5870-04-61
NUMBER		ITEM DESCRIPTION	UNI T	TOTAL	QUANTI TY
0500	646. 0156	PAVEMENT MARKING EPOXY 18-INCH	LF	37. 000	37. 000
0510	648. 0100	LOCATING NO-PASSING ZONES	MI	8. 750	8. 750
0520	649. 0100	TEMPORARY PAVEMENT MARKING 4-INCH	LF	185, 200. 000	185, 200. 000
0530	650. 5500	CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER	LF	34, 629. 000	34, 629. 000
0540	650. 8000	CONSTRUCTION STAKING RESURFACING REFERENCE	LF	46, 216. 000	46, 216. 000
0550	690. 0150	SAWING ASPHALT	LF	443. 000	443. 000
0560	SPV. 0180	SPECIAL 01. GEOGRID REINFORCEMENT	SY	5, 000. 000	5, 000. 000

#### REMOVING ASPHALTIC SURFACE

			204.0110	
CATEGORY	STATION	LOCATION	SY	REMARKS
0010	60+00	LT	60	PRIVATE ENTRANCE
0010	209+28	RT	44	PRIVATE ENTRANCE
0010	240+89	RT	36	PRIVATE ENTRANCE
0010	304+50	RT	32	PRIVATE ENTRANCE
0010	329+09	LT	28	PRIVATE ENTRANCE
0010	465+87	LT	33	PRIVATE ENTRANCE
0010	467+88	LT	27	PRIVATE ENTRANCE
0010	469+34	RT	50	PRIVATE ENTRANCE
0010	469+45	LT	28	BRIDGE STREET
		TOTAL 0010	338	

#### REMOVING ASPHALTIC SURFACE BUTT JOINTS

			204.0115	
CATEGORY	STATION	LOCATION	SY	REMARKS
0010	9+45	MAINLINE, BOP-LT	367	
0010	10'R'+84	ROGERS LN	100	
0010	136+90	MAINLINE	367	
0010	137+61	MAINLINE	367	
0010	11'HH'+48	HOOK HILL RD	122	
0010	271+44	MAINLINE	367	
0010	272+09	MAINLINE	367	
0010	10'SR'+90	SWATEK RIDGE RD	111	
0010	10'WH'+00	WALKER HOLLOW RD	133	
0010	7'E'+87	CTH E	133	
0010	394+47	MAINLINE	367	
0010	396+09	MAINLINE	367	
0010	10'KV'+00	KICKAPOO VALLEY RD	122	
0010	471+60	MAINLINE, EOP	367	

#### REMOVING CURB & GUTTER

				204.0150	
CATEGORY	STATION TO	STATION	LOCATION	LF	REMARKS
0010	164+77 -	164+89	LT	12	
0010	169+60 -	169+72	LT	12	
0010	173+60 -	173+72	LT	12	
0010	467+00 -	469+25	LT	150	INCLUDES BRIDGE STREET
0010	469+60 -	470+01	LT	80	INCLUDES BRIDGE STREET
			TOTAL 0010	266	

#### REMOVING CONCRETE SIDEWALK

			204.0155	
CATEGORY	STATION TO STATION	LOCATION	SY	REMARKS
0010	10'B'+50 - 10'B'+50	LT & RT	40	
		TOTAL 0010	40	

#### REMOVING GUARDRAIL

				204.0165	
CATEGORY	STATION TO	STATION	LOCATION	LF	REMARKS
0010	270+69 -	271+44	LT & RT	150	
0010	272+09 -	272+84	LT & RT	150	
0010	8'E'+65 -	394+00	LT	563	
			TOTAL 0010	863	

## EXCAVATION COMMON

				205.0100	
CATEGORY	STATION TO	STATION	LOCATION	CY	REMARKS
0010	9+45 -	471+61	UNDISTRIBUTED	2800	EBS AREAS
			TOTAL 0010	2800	

#### MILL AND RELAY

				330.0100	
CATEGORY	STATION TO	STATION	LOCATION	SY	REMARKS
0010	11+25 -	135+40		30350	
0010	139+11 -	146+00		1700	
0010	154+89 -	169+42		3550	
0010	174+03 -	269+94		23450	
0010	273+59 -	392+97		29200	
0010	397+59 -	471+60		18100	
			TOTAL 0010	106350	

## BASE AGGREGATE DENSE 3/4-INCH

# BASE AGGREGATE DENSE 1 1/4-INCH

CATECODY	STATION TO STATION	LOCATION	305.0110	REMARKS					305.0120	
CATEGORY	STATION TO STATION	LUCATION	TON	KEMAKKS	CATEGORY	STATION T	TO STATION	LOCATION	TON	REMARKS
0010	10+30	LT	18	FE	2012	0.45	45 50		653	
0010	12+25	RT	15	FE	0010	55	- 15+50	MAINLINE	652	
0010	17+18	RT	18	FE	0010		- 108+00	MAINLINE	11693	
0010	69+50	LT	12	PE	0010		- 114+00	MAINLINE	711	
0010	71+78	RT	9	PE	0010		- 136+88	MAINLINE	2607	
0010	79+90	LT	9	PE	0010		- 146+00	MAINLINE	948	
0010	81+10	RT	15	FE	0010		- 169+42	MAINLINE	1722	
0010	104+00	LT	18	PE	0010		- 218+50	MAINLINE	5271	
0010	107+00	LT	18	PE	0010		- 239+00	MAINLINE	2430	
0010	132+40	LT	15	FE	0010		- 263+00	MAINLINE	2844	
0010	132+40	RT	15	FE	0010		- 271+44	MAINLINE	1007	
0010	138+65	LT	15	FE	0010		- 281+00	MAINLINE	1054	
0010	148+00	RT	15	FE	0010		- 303+00	MAINLINE	2607	
0010	152+80	RT	15	FE	0010		- 369+00	MAINLINE	7822	
0010	159+30	RT	15	FE	0010		- 389+00	MAINLINE	2370	
0010	170+55	RT	15	FE	0010		- 394+47	MAINLINE	593	
0010	171+60	RT	15	FE	0010		- 412+00	MAINLINE	1837	
0010	171+65	LT	10	PE	0010		- 471+61	MAINLINE	7065	DOCEDO :
0010	196+65	RT	13	FE	0010		- 10'R'+84	LT	56	ROGERS LANE
0010	201+97	RT	13	FE	0010		- 10'G'+00	RT	64	GEISLER LANE
0010	211+29	RT	10	FE	0010		- 10'OB'+00	LT	25	O'BRIEN LANE
0010	219+60	LT	17	PE	0010		- 11'HH'+48	LT	120	HOOK HILL RD
0010	221+25	RT	15	PE	0010		- 10'C'+77	LT . <del>-</del>	39	COW LANE
0010	221+37	LT	13	PE	0010		- 10'SR'+90	LT	67	SWATEK RIDGE RD
0010	222+30	LT	13	PE	0010		- 10'PC'+95	LT	84	PINE CREEK LANE
0010	241+14	RT	12	FE	0010		- 11'DR'+56	LT 	139	DUHA RIDGE RD
0010	263+25	RT	22	PE	0010		- 11'MH'+89	RT	73	MOROVITS HOLLOW RD
0010	274+40	RT	19	FE	0010		- 11'WH'+88	RT	167	WALKER HOLLOW RD
0010	286+95	RT	10	FE	0010		- 10'E'+00	LT 	189	CTH E
0010	287+87	LT	15	PE	0010		- 11'KV+28	RT	104	KICKAPOO VALLEY RD
0010	304+23	LT	10	PE	0010	10'B'+00	- 10'B'+90	LT	100	BRIDGE STREET
0010	307+95	RT	10	PE	0010				10000	UNDISTRIBUTED
0010	307+95	LT	18	FE						•
0010	321+25	RT	18	FE				TOTAL 0010	64460	
0010	325+88	RT	18	FE						
0010	337+28	RT	18	FE						
0010	347+76	RT	18	FE				SELECT CRUSHED M	ATEDTAL	
0010	347+78	LT	18	PE			<u> </u>	SELECT CRUSHED M	MICRIAL	
0010	353+98	LT	18	FE						
0010	360+33	LT	18	FE					212 0110	
0010	406+47	LT	18	FE	CATECORY	CTATTON TO	CTATTON	LOCATION	312.0110	DEMARKS.
0010	406+90	RT	18	FE	CATEGORY	STATION TO	SIAIION	LOCATION	TON	REMARKS
0010	426+00	LT	10	PE	0010	0.45	471.61	NOTOTOTOTO	F000	FDC 13510
0010	440+85	LT	19	PE	0010	9+45 -	471+61 U	NDISTRIBUTED	5000	EBS AREAS
0010	466+32	RT	18	PE				:		
0010	466+95	LT	9	PE				TOTAL 0010	5000	
0010	9+45 - 471+61	MAINLINE	10000	SHOULDERS						
	-									
		TOTAL 0010	10687							
		•								
ROJECT NO:	5870-04-61	HWY: S	TH 179	COUNTY: CRA			ANEOUS QUAN			SHEET:
NAME :					PLOT DATE :	PLC	OT BY :	PLOT NAME :		PLOT SCALE : 1:1

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# 3

CONCRETE SURFACE DRAINS

CONCRETE SURFACE DRAINS

								4	16.1010	
			416.1010			CATEGOR	Y STATION	LOCATION	CY CY	REMARKS
CATEGORY	STATION	LOCATION	CY	REMARKS						
0010	15.20		1			0010	427+25	RT	1	
0010	15+26	LT	1			0010	429+40	RT	1	
0010	19+85	LT	1			0010	436+00	RT	1	
0010	31+25	LT	1			0010	437+78	RT	1	
0010	34+40	LT	1			0010	441+36	RT	1	
0010	40+60	LT	1			0010	446+61	RT	1	
0010	44+00	LT	1			0010	448+86	RT	1	
0010	49+95	LT	1			0010	456+14	RT	1	
0010	59+70	LT	1			0010	458+78	RT	1	
0010	62+25	LT	1			0010	462+56	RT	1	
0010	75+98	LT	1			0010	464+99	LT	1	
0010	87+12	LT	1			0010	465+05	RT	1	
0010	89+10	LT	1			0010	469+05	RT	1	
0010	104+52	LT	1							
0010	9'G'+00	LT	1				S	UB TOTAL 0010	13	
0010	110+20	RT	1							
0010	129+91	RT	1					TOTAL 0010	60	
0010	157+23	LT	1							
0010	167+03	LT	1					HMA PAVEMENT	TYPE E-0.3	
0010	180+95	LT	1							
0010	193+62	LT	1							
0010	201+80	LT	1						460.1100	
0010	203+89	LT	1		CATEGORY	STATION T	O STATION	LOCATION	TON	REMARKS
0010	214+93	LT	1							
0010	225+45	LT	1		0010	9+45 -	- 471+61	MAINLINE	31327	
0010	237+24	LT	1		0010			ROGERS LN	29	
0010	243+90	LT	1		0010			GEISLER LN	60	
0010	252+10	LT	1		0010			OBRIEN LN	23	
0010	258+28	LT	1		0010			HOOK HILL RD	66	
0010	262+71	LT	1		0010	209+28		RT	5	PRIVATE ENTE
0010	281+81	LT	1		0010			COW LN	17	
0010	288+34	LT	1		0010			SWATEK RIDGE RD	51	
0010	291+70	LT	1		0010	240+89		RT	4	PRIVATE ENTI
0010	302+20	LT	1		0010			PINE CREEK LN	47	
0010	312+22	LT	1		0010			DUHA RIDGE	77	
0010	325+73	LT	1		0010			MOROVITS HOLLOW F	RD 44	
0010	328+23	LT	1		0010	304+50		RT	6	PRIVATE ENTE
0010	336+47	LT	1		0010	329+09		LT	4	PRIVATE ENTE
0010	354+23	LT	1		0010			WALKER HOLLOW RE	75	
0010	360+00	LT	1		0010			CTH 'E'	134	
0010	363+58	LT	1		0010			KICKAPOO VALLEY F	RD 61	
0010	366+36	LT	1		0010	465+87		LT	6	PRIVATE ENT
0010	370+39	LT	1		0010	467+88		LT	4	PRIVATE ENT
0010	371+78	LT	1		0010			RT, BRIDGE STREE	т 12	
0010	379+98	LT	1		0010			LT, BRIDGE STREE		
0010	389+30	LT	1							
0010	411+85	LT	1					TOTAL 003	10 32091	
0010	419+34	RT	1							
	CI	JB TOTAL 0010	47							
	30	DE TOTAL OUTO	-T/							
CT NO: 58	370-04-61		HWY: STH 179	COL	UNTY: CRAWFORD	MISC	ELLANEOUS (	QUANTITIES		-
C1 NO. 30	7.0 0- 01		111011. 0111 179		PLOT DATE :	101100	PLOT BY :	PLOT NAME :	PI OT	Γ SCALE : 1:1
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#### ASPHALTIC MATERIAL PG58-28

#### CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D 455.0105 CATEGORY STATION TO STATION LOCATION TON **REMARKS** 601.0557 0010 1723 9+45 - 471+61 MAINLINE CATEGORY STATION TO STATION LOCATION LF REMARKS 0010 SIDEROADS/PES 42 0010 9+45 15+26 LT 581 1765 390 TOTAL 0010 0010 15 + 9419+85 LT 0010 22+75 75+98 LT 5315 0010 82+50 104+52 LT 2194 TACK COAT 0010 8'G'+50 - 9'G'+50 LT, RT 135 GEISLER LN RADIUS CURB 0010 108+38 - 129+91 RT 2144 0010 154+89 169+72 1483 LT 455.0605 0010 173+60 214+93 LT 4119 **CATEGORY** STATION TO STATION LOCATION GAL **REMARKS** 0010 225+45 237+24 1183 LT 0010 242+73 -263+18 2041 LT 4100 0010 9+45 - 471+61 0010 281+81 -288+34 656 LT 0010 291+70 302+20 LT 1050 TOTAL 0010 4100 0010 304+34 308+21 388 LT 0010 312+22 -254+23 LT 4198 0010 360+00 370+39 1035 LT ASPHALTIC CENTER LINE RUMBLE STRIP 2-LANE RURAL 0010 371+78 -389+48 LT 1785 0010 411+85 - 416+29 LT 440 0010 419+34 - 465+09 RT 4566 465.0475.S CATEGORY STATION TO STATION LOCATION LF REMARKS 33703 **TOTAL 0010** 0010 11+05 - 13+51 246 BEGIN 200' FROM STH 27 CL 0010 17+51 - 105+97 1846 190 0010 109+97 - 111+87 0010 115+87 - 136+65 2078 CONCRETE CURB & GUTTER 30-INCH TYPE D 0010 137+86 - 145+77 791 0010 8746 149+77 - 237+23 0010 241+23 - 261+19 1996 601.0411 0010 600 265+19 - 271+19 **CATEGORY** STATION TO STATION LOCATION LF REMARKS 272+34 - 278+79 645 0010 1820 0010 282+79 - 300+99 412 464+99 - 469+11 0010 LT 0010 304+99 - 367+65 6266 0010 465+09 - 469+11 402 RT 0010 371+65 - 387+50 1585 0010 112 0010 391+50 - 394+22 272 10'B'+16 - 10'B'+55 LT/RT BRIDGE STREET RADII 1364 0010 396+34 - 409+98 926 0010 4602 413+98 - 460+00 TOTAL 0010 TOTAL 0010 SALVAGED ASPHALTIC PAVEMENT MILLING CONCRETE SIDEWALK 4-INCH 490.0200 602.0405 CATEGORY STATION TO STATION LOCATION SY REMARKS **CATEGORY** STATION LOCATION SF REMARKS - 154+89 3021 0010 146+00 0010 10'B'+50 LT 110 BRIDGE STREET 0010 169+42 - 174+03 1536 0010 10'B'+50 110 BRIDGE STREET RT 4557 TOTAL 0010 **TOTAL 0010** 220 Ε HWY: STH 179 COUNTY: CRAWFORD MISCELLANEOUS QUANTITIES SHEET: PROJECT NO: 5870-04-61

PLOT DATE :

PLOT NAME :

PLOT SCALE: 1:1

#### CURB RAMP DETECTABLE WARNING FIELD YELLOW

#### MGS GUARDRAIL 3

CATE	GORY	STATION	LOCATION	602.0505 SF	REMARKS	CATEGORY	STATION TO STATION	LOCATION	614.2300 LF	REMARKS
				<u> </u>						
00		10'B'+50	LT	8	BRIDGE STREET	0010	20+75 - 21+75	LT	100	
00	10	10'B'+50	RT	8	BRIDGE STREET	0010	18+62.5 - 26+50	RT	788	
						0010	72+12.5 - 79+00	RT	688	
			TOTAL 0010	16		0010	86+87.5 - 102+75	RT	1588	
						0010	219+70 - 221+25	LT	63	
						0010	270+92.1 - 271+04.6		13	
			INLET C	OVERS TYPE HM		0010	270+92.1 - 271+04.6		13	
						0010	272+48.4 - 272+60.9		13	
						0010	272+48.4 - 272+60.9		13	
				611.0627		0010	371+25 - 374+45	RT	325	
CATEG	ORY	STATION	LOCATION	EACH	REMARKS	0010	417+62.5 - 420+87.5		325	
<u> </u>						0010	426+00 - 430+75	LT	475	
001	.0	113+36	RT	1		0010	448+12.5 - 464+12.5	LT	1600	
			TOTAL 0010	<u> </u>				TOTAL 0010	6000	
			- · · · - · · · · · · · · · · · · · · ·	_				MGS GUARDE	AIL 3 K	
			INLET CO	VERS TYPE HM-S						
									614 2220	
						CATECORY	CTATION TO CTATION	LOCATION	614.2330	DEMARKS
				611.0636		CATEGORY	STATION TO STATION	LOCATION	LF	REMARKS
CATEGO	RY S	TATION	LOCATION	EACH	REMARKS	0010	26.50 40.50	DT	2200	
2,11230	3					0010	26+50 - 49+50 215+00 216+75	RT	2300	
0010	) [	119+80	RT	1		0010	215+00 - 216+75	RT	175	
		-	TOTAL 0010	1				TOTAL 0010	2475	
								MGS GUARDI	RAIL 3 L	
			STEEL PLATE	BEAM GUARD CLASS A	1					
									614.2340	
				614.0305		CATEGORY	STATION TO STATION	LOCATION	LF	REMARKS
CATEGORY S	TATION	TO STATIO	ON LOCATIO		REMARKS	0010	219+70 - 221+25	LT	113	
0010 39	90+62.5	- 394+2	5 LT	363				TOTAL 0010	113	
			TOTAL 0	010 363				MGS THRIE BEA		
								MOS THRIE DEA	· IIVANSTITUN	
		STEEL PLAT	E BEAM GUARD I	ENERGY ABSORBING T	<u>ERMINAL</u>				614.2500	
						CATEGORY	STATION TO STATION	LOCATION	LF	REMARKS
				614.0370		0010	271+05 - 271+44	LT	39	INCLUDES F-RAIL ATTACHMENT
EGORY STAT	TION T	O STATION	LOCATION	EACH	REMARKS	0010	271+05 - 271+44	RT	39	INCLUDES F-RAIL ATTACHMENT
<del></del>						0010	272+09 - 272+48	LT	39	INCLUDES F-RAIL ATTACHMENT
010 390+	12.5	-	18' LT	1		0010	272+09 - 272+48	RT	39	INCLUDES F-RAIL ATTACHMENT
			TOTAL 0010	1				TOTAL 0010	158	
						r				
T NO: 5870-04				STH 179	COUNTY: CRAWFORD		CELLANEOUS QUANTITIE			SHEET:

### MGS GUARDRAIL TERMINAL EAT

# TRAFFIC CONTROL DRUMS

				614.2610		CATEGORY	STATION TO	STATION	LOCATION	643.0300 DAYS	REMARKS
CATEGORY	STATION TO	STATION	LOCATION	EACH	REMARKS						
0010	18+12.5		18' RT	1		0010	18+12 -	50+00	RT	3200	
0010	20+25		18 KI 18' LT	1		0010	20+25 -	22+25	LT	200	
0010	20+25 22+25		18' LT	⊥ 1		0010	71+75	79+50	RT	800	
0010	50+00		16 LT 17' RT	1		0010	86+37	103+25	RT	1700	
0010	79+50		17 KT 18' RT	1		0010	214+50	217+25	RT	300	
0010	86+37.5		18' RT	1		0010	219+70	221+25	LT	150	
0010	103+25		18' RT	1		0010	270+43		LT & RT	300	
0010	214+50		17' RT	1		0010	273+11	275 00	LT & RT	300	
0010	217+25		17' RT	1		0010	370+75	375+00	RT . <del>-</del>	450	
0010	270+42.5		17' RT	1		0010	390+12 -	394+00	LT . –	400	
	270+42.5		17 KI 17' LT	1		0010	417+12 -	421+37	LT . –	450	
	273+11.1		17 LT 17' RT	1		0010	426+00 -	431+25	LT . –	550	
	273+11.1		17 KI 17' LT	1		0010	447+62 -	464+62	LT	1700	
0010	370+75		18' RT	1		0010			UNDISTRIBUTED	2500	
0010	370+73 375+00		18' RT	1							
0010	417+12.5		18' LT	1					TOTAL 0010	13000	
0010	421+37.5		18' LT	1							
0010	431+25		18' LT	1							
0010	447+62.5		18' LT	1							
0010	464+62.5		18' LT	1					TRAFFIC CONTRO	I STGNS	
3323				_					TRAITIC CONTRO	L SIGNS	
			TOTAL 0010	20							
										643.0900	
		MCC CHAP	DDATI TERMINAL	T)/DE 3		CATEGORY	STATION TO	STATION	LOCATION	DAYS	REMARKS
		MGS GUAR	RDRAIL TERMINAL	_ TYPE Z		0010	0.45	471 . 61		1000	
						0010	9+45 -	471+61		1000	
			614.2620						TOTAL 0010	1000	
CATEGORY	STATION	LOCATION	EACH		REMARKS						
0010	71+75	RT	1								
0010	219+70	LT	1								
0010	221+25	RT	1								
0010	426+00	LT	1								
				<u>_</u>				<u> </u>	PAVEMENT MARKING	EPOXY 4-INCH	
		TOTAL 0010	4	_							
										646.0106	
			WATER			CATEGORY	STATION TO	STATION	LOCATION	LF	REMARKS
						0010	9+45 -	471+60	MATNI TAIF	91960	WHITE LONG LINES
				624.0100		0010 0010	9+45 - 9+45 -		MAINLINE MAINLINE	90800	
CATEGORY	STATION TO	STATION	LOCATION	MGAL	REMARKS	0010	8'E'+00 -		CTH E	550	CENTERLINE CENTERLINE
CATEGORI	STATION TO	STATION	LOCATION	MOAL	CAMMILLA	0010	8'E'+00 -		CTH E	550	WHITE LONG LINES
0010	9+45 -	471+61	MAINLINE	1200		0010	5 L 100 -	J L 1713	CIII L	330	WITTE LONG LINES
			=						TOTAL 0010	183860	
			TOTAL 0010	1200							

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							SIGN	637.0202 SIGNS REFLECTIVE	F	POSTS WOO	OD 4X6 INCH	Н	633.0100 DELINEATOR POSTS STEEL	638.2602 REMOVING SIGNS	638.3000 REMOVING SMALL SIGN	SIGN MOUNTED	
	APPROX.	DOCITION	CITE ID	SIGN CODE	CION DECORIDATION	ODDED LINEO	SIZE	TYPE II	12 FT	14 FT	16 FT	18 FT	12 FT	TYPE II	SUPPORTS	ON SAME	DEMARKO
		POSITION	SITE ID		SIGN DESCRIPTION	ORDER LINES	IN X IN	SF	EACH 	EACH	EACH 	EACH 	EACH 	EACH	EACH 1	POST AS	REMARKS
100R 101	9+50 9+50	Left Left	STH 27 STH 27	R1-1 R1-1	Stop Stop		36 X 36 36 X 36	 7.46		1				I	1		
101 102R	9+50		STH 27	J3-3	Directional Assembly (3 Headed Panel)	SOUTH - BLANK - NORTH	72 X 57	7.40						2	2		
102K	9+30	Left	311121	J3-3	Directional Assembly (3 Fleaded Failer)	27 - D - 27	12 831							2	2		
						[Left Arrow] [Up Arrow] [Right Arrow]											
103	9+50	Left	STH 27	J3-3	Directional Assembly (3 Headed Panel)	SOUTH - BLANK - NORTH	72 X 57	28.50									
103	9+30	Leit	311121	J3-3	Directional Assembly (3 Fleaded Failer)	27 - D - 27	12 831	26.50			'	'					
104R	10+50	Right		M3-2	EAST Cardinal Route Marker	[Left Arrow] [Up Arrow] [Right Arrow]	24 X 12							1			
104R 105R		-		M1-6	State Route Marker	179	24 X 12 24 X 24							1			
	10+50	Right				EAST											
106	10+50	Right		J4-1	Reassurance Assembly	179	24 X 36	6.00			1						
107D	10.60	1.04		14/4.4.2	No Deceina Zone	179	40 V 26										
107R	10+60	Left		W14-3	No Passing Zone		48 X 36							1	1		
108	10+60	Left		W14-3	No Passing Zone		48 X 36	6.00		1							
109R	12+40	Right		W7-1	Hill		36 X 36					<del></del>		1	1		
110	12+40	Right		W7-1	Hill		36 X 36	9.00				1				4.0	
111	12+40	Right		W7-3	X Grade	0.07	24 X 18	3.00								110	
112	13+00	Left		D1-2	Two Destinations (Arrows)	[Left Arrow ] Prairie du Chien	102 X 30	21.25		2							
						Mt Sterling [ Right Arrow ]											
113R	14+00	Left		D1-2	Two Destinations (Arrows)	[ Left Arrow ] Prairie du Chien	108 X 30							1	2		
						Mt Sterling [ Right Arrow ]											
114R	14+00	Right		W8-8	Rough Road Next 9 Miles		36 X36							1	1		
115	14+40	Right		R2-1	Speed Limit _ MPH	55	24 X 30	5.00		1							
116R	14+60	Right		W1-3R	Right Reverse Turn		36 X 36							1	1		
117R	14+60	Right		W13-1	Advisory Speed Plate (Yellow Back)	30	24 X 24							1			
118	15+00	Left		J2-2	Route Turn Assembly	SOUTH - NORTH	48 X 57	19.00			1					·	·
						27 - 27											
						[Advance Arrow Left Turn] [Advance Arrow Right Turn]											
19R	15+40	Left	Rogers Ln	R1-1	Stop		30 X 30							1	1		
120	15+40	Left	Rogers Ln	R1-1	Stop		30 X 30	5.18		1							
121	16+75	Right	-	W1-4R	Right Reverse Curve		30 X 30	6.25			1						-
122	16+75	Right		W13-1	Advisory Speed Plate (Yellow Back)	35	18 X 18	2.25								121	
123	22+50	Left		W3-1	Stop Ahead		36 X 36	9.00			1						
124	18+75	Right		D2-1	Destination/Distance (One) with Die Cut Letters	Steuben 9	60 X 15	6.25		2							
125R	19+60	Left		M2-1	Junction Marker		21 X 15							1	2		
126R	19+60	Left		M2-1	Junction Marker		21 X 15							1			
127R	19+60	Left		M4-6	End		24 X 12							1			
128R	19+60	Left		M50-3	Route Marker Panel - (3 Faces)	27 - D - 179	72 X 24							1			
129	19+60	Left		J1-3	Junction Assembly	JCT - JCT - END	72 X 24 72 X 39	19.50		2							
	.0.00			31.0		27 - D - 179											
130	20+50	Left		W1-8	Chevron	21 5 110	18 X 24	3.00	1								
131	20+60	Left		W1-8	Chevron		18 X 24	3.00	1								
		Left		W1-8	Chevron			3.00	1								
132 133	21+70 21+80	Leπ Left		W1-8	Chevron		18 X 24 18 X 24	3.00	1								
		Left		W3-1			36 X 36		1								
134R	22+50				Stop Ahead Chayran			3.00									
135	22+90	Left		W1-8	Chevron		18 X 24	3.00	1								
136	23+00	Left		W1-8	Chevron		18 X 24	3.00	1								
137	24+10	Right		W1-8	Chevron		18 X 24	3.00	1								
138	04.55	Right		W1-8	Chevron		18 X 24	3.00	1								
139R	24+90	Right		W1-6	Night Arrow ( Single )		48 X 24							1	1		
200R	25+30	Right		W1-6	Night Arrow ( Single )		48 X 24							1	1		
201	25+30	Right		W1-8	Chevron		18 X 24	3.00	1								
202	25+35	Right		W1-8	Chevron		18 X 24	3.00	1								
203	26+50	Right		W1-8	Chevron		18 X 24	3.00	1								
204	26+55	Right		W1-8	Chevron		18 X 24	3.00	1								
05R	26+50	Right		W1-2L	Left Curve		30 X 30							1	1		
06R	26+50	Right		W13-1	Advisory Speed Plate (Yellow Back)	45	18 X 18							1			
207	28+00	Right		W1-4R	Right Reverse Curve		30 X 30	6.25			1						
208	28+00	Right		W13-1	Advisory Speed Plate (Yellow Back)	50	18 X 18	2.25								207	
209	28+25	Left		W1-2R	Right Reverse Curve		30 X 30	6.25		1							
210	28+25	Left		W13-1	Advisory Speed Plate (Yellow Back)	35	18 X 18	2.25								211	
211R	29+25	Left		W1-3R	Right Reverse Turn		36 X 36							1	1		
212R	29+25	Left		W13-1	Advisory Speed Plate (Yellow Back)	30	24 X 24							1			
	34+80	Left		W1-4R	Right Reverse Curve	••	30 X 30	6.25		1							
	300	Left		W13-1	Advisory Speed Plate (Yellow Back)	50	18 X 18	2.25								213	
213	34+80			** 10-1	. a	30	10 / 10	2.20									
	34+80	Leit															

637.0202

MISCELLANEOUS QUANTITIES

633.0100 638.2602 638.3000

FILE NAME : \_\_\_\_\_ PLOT DATE : \_\_\_\_ PLOT BY : \_\_\_\_ PLOT NAME : \_\_\_\_

COUNTY: CRAWFORD

HWY: STH 179

PROJECT NO: 5870-04-61

								637.0202 SIGNS	634 0612	634 0614	634 0616	634 0618	633.0100 DELINEATOR	638.2602 REMOVING	638.3000 REMOVING		
							SIGN	REFLECTIVE			DD 4X6 INC		POSTS STEEL	SIGNS	SMALL SIGN	SIGN MOUNTED	
SIGN NUMBER	APPROX. STATION	POSITION	SITE ID	SIGN CODE	SIGN DESCRIPTION	ORDER LINES	SIZE IN X IN	TYPE II SF	12 FT EACH	14 FT EACH	16 FT EACH	18 FT EACH	12 FT EACH	TYPE II EACH	SUPPORTS EACH	ON SAME POST AS	REMARKS
215	37+00	Right	SHEID	12-3	Community Population Name Sign (With Eastman Number		60 X 24	10.00		2 2				EACH		POSTAS	KEIWAKKS
						Population 428											
300R 301R	40+25 40+25	Left Left		W1-2R W13-1	Right Curve Advisory Speed Plate (Yellow Back)	45	30 X 30 18 X 18							1	1		
302R	40+25 40+80	Right		W1-4L	Left Reverse Curve	45	30 X 30							1	1		
303R	40+80	Right		W13-1	Advisory Speed Plate (Yellow Back)	35	18 X 18							1			
304	42+85	Right		W1-4L	Left Reverse Curve		30 X 30	6.25			1						
305	42+85 46+00	Right		W13-1 W1-8	Advisory Speed Plate (Yellow Back) Chevron	35	18 X 18 18 X 24	2.25 3.00								304	
306 307	47+00	Right Right		W1-8	Chevron		18 X 24	3.00	1								
308	47+20	Right		W1-8	Chevron		18 X 24	3.00	1								
309	48+20	Right		W1-8	Chevron		18 X 24	3.00	1								
310 311	48+40 49+40	Right		W1-8 W1-8	Chevron Chevron		18 X 24 18 X 24	3.00 3.00	1								
312	50+20	Right Left		W1-8	Chevron		18 X 24	3.00	1								
313	50+60	Left		W1-8	Chevron		18 X 24	3.00	1								
314	51+40	Left		W1-8	Chevron		18 X 24	3.00	1								
315 316	51+80 52+60	Left Left		W1-8 W1-8	Chevron Chevron		18 X 24 18 X 24	3.00 3.00	1								
316	52+60 53+00	Leπ Left		W1-8	Chevron		18 X 24 18 X 24	3.00	1								
400	57+00	Left		W1-4L	Left Reverse Curve		30 X 30	6.25		1							
401	57+00	Left		W13-1	Advisory Speed Plate (Yellow Back)	35	18 X 18	2.25								400	
402R	59+50 59+50	Right Pight		W1-4R W13-1	Right Reverse Curve	40	30 X 30							1	1		
403R 404R	59+50 61+20	Right Left		W13-1 W1-4L	Advisory Speed Plate (Yellow Back) Left Reverse Curve	40	18 X 18 30 X 30							1	 1		
405R	61+20	Left		W13-1	Advisory Speed Plate (Yellow Back)	35	18 X 18							1_			
406	62+00	Right		W1-4R	Right Reverse Curve		30 X 30	6.25			1						
407 500D	62+00	Right		W13-1	Advisory Speed Plate (Yellow Back)	45	18 X 18	2.25								406	
500R 501R	77+40 77+40	Right Right		W1-2R W13-1	Right Curve Advisory Speed Plate (Yellow Back)	40	30 X 30 18 X 18							1			
502	78+00	Left		W1-4R	Right Reverse Curve		30 X 30	6.25			1						
503	78+00	Left		W13-1	Advisory Speed Plate (Yellow Back)	45	18 X 18	2.25								502	
504	80+00	Right		W1-4R	Right Reverse Curve	40	30 X 30	6.25			1					504	
505 506R	80+00 80+25	Right Left		W13-1 W1-4R	Advisory Speed Plate (Yellow Back) Right Reverse Curve	40	18 X 18 30 X 30	2.25						1	1	504	
507R	80+25	Left		W13-1	Advisory Speed Plate (Yellow Back)	40	18 X 18							1			
508R	83+50	Right		M3-2	EAST Cardinal Route Marker		24 X 12							1	1		
509R	83+50	Right		M1-6	State Route Marker	179	24 X 24							1			
510 600	84+60 85+30	Left Left		W1-6 W1-6	Night Arrow (Single) Night Arrow (Single)		48 X 24 48 X 24	8.00 8.00		1							
601R	86+00	Right		W13-1	Advisory Speed Plate (Yellow Back)	35	18 X 18							1	1		
602R	86+00	Right		W1-2L	Left Curve		30 X 30							1			
603R	89+75	Left		W1-2L	Left Curve	40	30 X 30							1	1		
604R 605	89+75 91+15	Left Right		W13-1 W1-6	Advisory Speed Plate (Yellow Back) Night Arrow (Single)	40	18 X 18 48 X 24	8.00		1				1 			
606	93+60	Right		W1-6	Night Arrow (Single)		48 X 24	8.00		1							
607R	96+00	Right		W1-2R	Right Curve		30 X 30							1	1		
608R	96+00	Right		W13-1	Advisory Speed Plate (Yellow Back)	45	18 X 18	 6.0F						1			
609 610	98+00 98+00	Right Right		W1-2R W13-1	Right Curve Advisory Speed Plate (Yellow Back)	50	30 X 30 18 X 18	6.25 2.25			1 					609	
611	98+80	Left		W13-1 W1-4R	Right Reverse Curve		30 X 30	6.25		1							
612	98+80	Left		W13-1	Advisory Speed Plate (Yellow Back)	40	18 X 18	2.25								611	
613R	99+80	Left		W1-2R	Right Curve	25	30 X 30							1	1		
614R 700R	99+80 104+50	Left Right		W13-1 W1-4R	Advisory Speed Plate (Yellow Back) Right Reverse Curve	35	18 X 18 30 X 30							1 1	 1		
700R 701R	104+50	Right		W13-1	Advisory Speed Plate (Yellow Back)	35	18 X 18							1			
702	104+50	Right		W1-4L	Left Reverse Curve		30 X 30	6.25			1						
703	104+50	Right		W13-1	Advisory Speed Plate (Yellow Back)	40	18 X 18	2.25								702	
704 705	106+70 106+70	Left Left		W1-2L W13-1	Left Curve Advisory Speed Plate (Yellow Back)	50	30 X 30 18 X 18	6.25 2.25			1					704	
706	106+70	Right		W2-2	Side Road (90 Degrees)	30	30 X 30	6.25		1						704	
707R	106+70	Left		W1-2L	Left Curve		30 X 30							1	1		
708R	106+70	Left		W13-1	Advisory Speed Plate (Yellow Back)	45	18 X 18							1			
709R 710	108+25 108+25	Right Right	Geisler Ln Geisler Ln	R1-1 R1-1	Stop Stop		30 X 30 30 X 30	 5.18		1				1	1		
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						SHEET TOTALS		165.93	12	10	7	0	0	27	14		
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FILE NAME : \_\_\_\_\_ PLOT DATE : \_\_\_\_ PLOT BY : \_\_\_\_ PLOT NAME : \_\_\_\_ PLOT SCALE : 1:1

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							SIGN	637.0202 SIGNS REFLECTIVE		POSTS WOO	OD 4X6 INCI	Н	633.0100 DELINEATOR POSTS STEEL	638.2602 REMOVING SIGNS	638.3000 REMOVING SMALL SIGN	SIGN MOUNTED	
SIGN NUMBER	APPROX. STATION	POSITION	SITE ID	SIGN CODE	SIGN DESCRIPTION	ORDER LINES	SIZE IN X IN	TYPE II SF	12 FT EACH	14 FT EACH	16 FT EACH	18 FT EACH	12 FT EACH	TYPE II EACH	SUPPORTS EACH	ON SAME POST AS	REMARKS
711R	108+75	Right	0.12.0	W2-2	Side Road (90 Degrees)	ONDER EMED	30 X 30							1	1		TIEM WITE
712	111+10	Right		W1-6	Night Arrow (Single)		48 X 24	8.00		1							
713 714R	111+55 113+75	Right Left	Obrien Ln	W1-6 R1-1	Night Arrow (Single) Stop		48 X 24 30 X 30	8.00		1				 1	 1		
715	113+75	Left	Obrien Ln	R1-1	Stop		30 X 30	5.18		1							
800	115+50	Left		W1-6	Night Arrow (Single)		48 X 24	8.00		1							
801 802R	115+80 117+25	Left Right		W1-6 W1-2R	Night Arrow (Single) Right Curve		48 X 24 30 X 30	8.00		1					 1		
803R	117+25	Right		W13-1	Advisory Speed Plate (Yellow Back)	35	18 X 18							1			
804	120+20	Left		W1-4L	Left Reverse Curve		30 X 30	6.25			1						
805	120+20	Left Right		W13-1 W1-2R	Advisory Speed Plate (Yellow Back)	40	18 X 18 30 X 30	2.25 6.25								804	
806 807	122+00 122+00	Right		W1-2R W13-1	Right Curve Advisory Speed Plate (Yellow Back)	45	18 X 18	2.25								806	
808	122+00	Left		W2-2	Side Road (90 Degrees)		30 X 30	6.25		1							
809R	122+50	Left		W2-2	Side Road (90 Degrees)		30 X 30							1	1		
810R 811R	123+80 123+80	Left Left		W1-4L W13-1	Left Reverse Curve Advisory Speed Plate (Yellow Back)	35	30 X 30 18 X 18							1	1 		
900	132+00	Left		W1-2L	Left Curve	33	30 X 30	6.25			1						
901	132+00	Left		W13-1	Advisory Speed Plate (Yellow Back)	45	18 X 18	2.25								900	
902R	136+85	Left		W5-52L	Bridge Hash Marks Left		12 X 36							1	1		
903 904R	136+85 137+00	Left Right		W5-52L W5-52R	Bridge Hash Marks Left Bridge Hash Marks Right		12 X 36 12 X 36	3.00					1	 1	 1		
905	137+00	Right		W5-52R			12 X 36	3.00					1				
906R	137+50	Left		W5-52L	Bridge Hash Marks Right		12 X 36							1	1		
907	137+50	Left		W5-52L	Bridge Hash Marks Right		12 X 36 12 X 36	3.00					1				
908R 909	137+65 137+65	Right Right		W5-52R W5-52R	Bridge Hash Marks Left Bridge Hash Marks Left		12 X 36	3.00					 1		1 		
910R	138+30	Left		W1-2L	Left Curve		30 X 30							1	1		
911R	138+30	Left		W13-1	Advisory Speed Plate (Yellow Back)	35	18 X 18							1			
912	144+00	Right		W1-4R	Right Reverse Curve Advisory Speed Plate (Yellow Back)	25	30 X 30 18 X 18	6.25 2.25			1					012	
913 1000R	144+00 145+00	Right Right		W13-1 W1-4R	Right Reverse Curve	35	30 X 30	2.25						1	1	912	
1001R	145+00	Right		W13-1	Advisory Speed Plate (Yellow Back)	40	18 X 18							1			
1002R	147+50	Left	Hook Hill Rd	R1-1	Stop		30 X 30							1	1		
1003 1100	147+50 160+50	Left Left	Hook Hill Rd	R1-1 W1-4R	Stop Right Reverse Curve		30 X 30 30 X 30	5.18 6.25		1							
1101	160+50	Left		W13-1	Advisory Speed Plate (Yellow Back)	45	18 X 18	2.25								1100	
1102R	161+50	Left		W1-5L	Left Winding Road		30 X 30							1	1		
1103R	161+50	Left		W13-1	Advisory Speed Plate (Yellow Back)	40	18 X 18							1			
1104 1105	165+50 165+50	Right Right		W1-4R W13-1	Right Reverse Curve Advisory Speed Plate (Yellow Back)	40	30 X 30 18 X 18	6.25 2.25			1					1104	
1106R	166+50	Right		W1-5L	Left Winding Road	-10	30 X 30							1	1	1104	
1107R	166+50	Right		W13-1	Advisory Speed Plate (Yellow Back)	40	18 X 18							1			
1108 1109	170+90	Left Left		W1-6 W1-6	Night Arrow (Single)		48 X 24 48 X 24	8.00 8.00		1							
1200R	173+00 175+80	Left		W1-6 W1-4R	Night Arrow (Single) Right Reverse Curve		30 X 30	8.00		<u> </u>				1	1		
1201R	175+80	Left		W13-1	Advisory Speed Plate (Yellow Back)	40	18 X 18							1			
1202	177+00	Right		W1-6	Night Arrow (Single)		48 X 24	8.00		1							
1203 1204R	183+40 187+50	Right Right		W1-6 W1-2R	Night Arrow (Single) Right Curve		48 X 24 30 X 30	8.00		1				 1	 1		
1204R 1205R	187+50	Right		W1-2R W13-1	Advisory Speed Plate (Yellow Back)	40	18 X 18							1			
1206	188+00	Left		W1-4R	Right Reverse Curve		30 X 30	6.25		1							
1207	188+00	Left		W13-1	Advisory Speed Plate (Yellow Back)	40	18 X 18	2.25								1206	
1300 1301R	191+50 192+00	Right Left		W1-2R W1-2R	Right Curve Right Curve		30 X 30 30 X 30	6.25			1			1	 1		
1301R	192+00	Left		W13-1	Advisory Speed Plate (Yellow Back)	40	18 X 18							1			
1303R	192+50	Right		W1-5R	Right Winding Road		30 X 30							1	1		
1304R	192+50	Right		W13-1	Advisory Speed Plate (Yellow Back)	40	18 X 18	 6.0F						1			
1305 1306	194+50 197+50	Right Left		W1-2L W1-2L	Left Curve Left Curve		30 X 30 30 X 30	6.25 6.25		1 1							
1500R	220+25	Left		W1-5R	Right Winding Road		30 X 30							1	1		
1501R	220+25	Left		W13-1	Advisory Speed Plate (Yellow Back)	40	18 X 18							1			
1502R	220+80	Right		W1-2R	Right Curve	40	30 X 30 18 X 18							1	1		
1503R	220+80	Right		W13-1	Advisory Speed Plate (Yellow Back)	40	18 X 18							<u>T</u>			
					-	SHEET TOTALS		170.86	0	16	5	0	4	32	20		
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PLOT DATE : \_\_

COUNTY: CRAWFORD

HWY: STH 179

PROJECT NO: 5870-04-61

MISCELLANEOUS QUANTITIES

PLOT NAME : \_\_\_\_\_

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PLOT SCALE : 1:1

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								SIGN	637.0202 SIGNS REFLECTIVE		634.0614 POSTS WOO			633.0100 DELINEATOR POSTS STEEL	638.2602 REMOVING SIGNS	638.3000 REMOVING SMALL SIGN	SIGN MOUNTED	
SIGN	APPROX.			SIGN				SIZE	TYPE II	12 FT	14 FT	16 FT	18 FT	12 FT	TYPE II	SUPPORTS	ON SAME	
NUMBER 1504	STATION 220+80	POSITION Right	SITE ID	CODE W1-2R	SIGN Right Curve	N DESCRIPTION	ORDER LINES	IN X IN 30 X 30	SF 6.25	EACH 	EACH 	EACH 1	EACH 	EACH 	EACH 	EACH 	POST AS	REMARKS
1505	220+80	Right		W13-1	Advisory Speed Plate (Yellow	v Back)	45	18 X 18	2.25								1504	
1506R	225+00	Left		W1-2R	Right Curve			30 X 30							1	1		
1507R	225+00	Left		W13-1	Advisory Speed Plate (Yellow	v Back)	40	18 X 18							1			
1508 1509	233+60 233+60	Left Left		W1-2L W13-1	Left Curve Advisory Speed Plate (Yellow	v Poek)	45	30 X 30 18 X 18	6.25 2.25		1						1508	
1510R	233+60	Left		W1-2L	Left Curve	v back)	40	30 X 30	2.23						1	1	1306	
1511R	233+60	Left		W13-1	Advisory Speed Plate (Yellow	v Back)	40	18 X 18							1			
1512R	234+30	Right		W1-4R	Right Reverse Curve			30 X 30							1	1		
1513R	234+30	Right		W13-1	Advisory Speed Plate (Yellow	v Back)	45	18 X 18							1			
1600R	238+00 238+00	Right Right		M1-6 M3-2	State Route Marker EAST Cardinal Route Marker		179	24 X 24 24 X 12							1	1		
1601R 1602	238+00	Right		W1-4R	Right Reverse Curve			30 X 30	6.25		1							
1603	238+00	Right		W13-1	Advisory Speed Plate (Yellow	v Back)	50	18 X 18	2.25								1602	
1604R	238+00	Left		M1-6	State Route Marker	,	179	24 X 24							1	1		
1605R	238+00	Left		M3-4	WEST Cardinal Route Marker	er		24 X 12							1			
1606R	239+00	Left	Swatek Ridge Rd	R1-1	Stop			30 X 30							1	1		
1607 1700	239+00	Left	Swatek Ridge Rd	R1-1 W1-4R	Stop Right Reverse Curve			30 X 30 30 X 30	5.18 6.25		1							
1700 1701	254+00 254+00	Left Left		W13-1	Advisory Speed Plate (Yellow	v Back)	50	30 X 30 18 X 18	6.25 2.25								1700	
1701 1702R	257+50	Left		W1-4R	Right Reverse Curve	- 240.1/	30	30 X 30	2.23						1	1	1700	
1703R	257+50	Left		W13-1	Advisory Speed Plate (Yellow	v Back)	45	18 X 18							1			
1704R	263+00	Left	Pine Creek Ln	R1-1	Stop			30 X 30							1	1		
1705	263+00	Left	Pine Creek Ln	R1-1	Stop			30 X 30	5.18		1							
1800R	269+60	Right		W1-2R	Right Curve	v Poek)	50	30 X 30							1	1		
1801R 1802R	269+60 269+60	Right Right		W13-1 W14-3	Advisory Speed Plate (Yellow No Passing Zone	v Back)	50	18 X 18 48 X 36							1			Existing sign on back of 1800R
1803	270+00	Right		W14-3	No Passing Zone			48 X 36	6.00		1							Existing sign on back or roook
1804R	271+40	Left		W5-52L	Bridge Hash Marks Left			12 X 36							1	1		
1805	271+40	Left		W5-52L	Bridge Hash Marks Left			12 X 36	3.00					1				
1806R	271+40	Right		W5-52R	Bridge Hash Marks Right			12 X 36							1	1		
1807	271+40	Right		W5-52R	Bridge Hash Marks Right			12 X 36	3.00					1				
1808R 1809	272+10 272+10	Right Right		W5-52L W5-52L	Bridge Hash Marks Left Bridge Hash Marks Left			12 X 36 12 X 36	3.00					1	1	1		
1810R	272+10	Left		W5-52E	Bridge Hash Marks Right			12 X 36	3.00						1	1		
1811	272+10	Left		W5-52R	Bridge Hash Marks Right			12 X 36	3.00					1				
1812R	273+00	Left		W14-3	No Passing Zone			48 X 36							1	1		
1813	273+00	Left		W14-3	No Passing Zone			48 X 36	6.00		1							
1900R	280+40	Left	Duha Ridge Rd	R1-1	Stop			30 X 30							1	1		
1901 1902R	280+40 291+00	Left Left	Duha Ridge Rd	R1-1 W1-2L	Stop Left Curve			30 X 30 30 X 30	5.18 		1				1	1		
1903R	291+00	Left		W13-1	Advisory Speed Plate (Yellow	v Back)	50	18 X 18							1			
2000R	301+00	Right		W1-2R	Right Curve	,		30 X 30							1	1		
2001R	303+20	Right	Morovits Hollow Rd	R1-1	Stop			30 X 30							1	1		
2002	303+20	Right	Morovits Hollow Rd	R1-1	Stop			30 X 30	5.18			1				<del></del>		
2100R	314+50 314+50	Right Pight		W1-2L W13-1	Left Curve	v Rack)	40	30 X 30 18 X 18							1	1		
2101R 2102R	314+50 318+00	Right Left		W1-2L	Advisory Speed Plate (Yellow Left Curve	v Dacky	40	30 X 30							1	1		
210210	319+00	Right		W1-2L	Left Curve			30 X 30	6.25			1						
2104	319+00	Right		W13-1	Advisory Speed Plate (Yellow	v Back)	50	18 X 18	2.25								2103	
2200R	326+25	Right		W1-2L	Left Curve			30 X 30							1	1		
2201R	326+25	Right		W13-1	Advisory Speed Plate (Yellow	v Back)	45	18 X 18							1			
2202 2203	327+00 327+0	Left Left		W1-2R W13-1	Right Curve Advisory Speed Plate (Yellow	v Back)	50	30 X 30 18 X 18	6.25 2.25		1						2202	
2203 2204R	329+40	Left		W1-2R	Right Curve	Daony	50	30 X 30	2.25						1	1	2202	
2205R	329+40	Left		W13-1	Advisory Speed Plate (Yellow	v Back)	50	18 X 18							1			
2206R	336+80	Left		W1-2R	Right Curve			30 X 30							1	1		
2207R	336+80	Left		W13-1	Advisory Speed Plate (Yellow	v Back)	45	18 X 18							1			
2300R	342+50	Right		W1-2R	Right Curve	y Pools)	40	30 X 30							1	1		
2301R 2302	342+50 345+50	Right Right		W13-1 W1-2R	Advisory Speed Plate (Yellow Right Curve	у васк)	40	18 X 18 30 X 30	6.25		1				1			
2302	345+50 345+50	Right		W13-1	Advisory Speed Plate (Yellow	v Back)	50	18 X 18	2.25								2302	
2304	352+50	Left		W1-2L	Left Curve	,		30 X 30	6.25			1						
2305	352+50	Left		W13-1	Advisory Speed Plate (Yellow	v Back)	50	18 X 18	2.25								2304	
		<u>-</u>																
							SHEET TOTALS		112.72	0	10	4	0	4	38	24		

MISCELLANEOUS QUANTITIES

FILE NAME : \_\_\_\_\_ PLOT DATE : \_\_\_\_ PLOT BY : \_\_\_\_ PLOT NAME : \_\_\_\_ PLOT SCALE : 1:1

COUNTY: CRAWFORD

HWY: STH 179

PROJECT NO: 5870-04-61

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olon.	ADDDOV			O.O.V.			SIGN	637.0202 SIGNS REFLECTIVE		634.0614 POSTS WOO	OD 4X6 INC	Н	POSTS STEEL	638.2602 REMOVING SIGNS	638.3000 REMOVING SMALL SIGN	SIGN MOUNTED	
SIGN NUMBER	APPROX. STATION	POSITION	SITE ID	SIGN CODE	SIGN DESCRIPTION	ORDER LINES	SIZE IN X IN	TYPE II SF	12 FT EACH	14 FT EACH	16 FT EACH	18 FT EACH	12 FT EACH	TYPE II EACH	SUPPORTS EACH	ON SAME POST AS	REMARKS
2400R	355+40	Left	OTTE ID	W1-2L	Left Curve	ONDER EINED	30 X 30							1	1	1001710	TO THE PART OF THE
2401R	355+40	Left		W13-1	Advisory Speed Plate (Yellow Back)	40	18 X 18							1			
2402R	355+50	Right		W1-2L	Left Curve		30 X 30							1	1		
2403R	366+00	Right		W1-2L	Left Curve	50	30 X 30							1	1		
2404R 2405	366+00 368+00	Right Right		W13-1 W1-2L	Advisory Speed Plate (Yellow Back) Left Curve	50	18 X 18 30 X 30	6.25		1							<u> </u>
2406	368+00	Right		W13-1	Advisory Speed Plate (Yellow Back)	50	18 X 18	2.25								2405	
2407R	368+50	Left		W1-2R	Right Curve		30 X 30							1	1		
2408R	369+80	Right	Walker Hollow Rd	R1-1	Stop		30 X 30							1	1		
2409	369+80	Right	Walker Hollow Rd	R1-1	Stop		30 X 30	5.18		1							
2500R 2501R	380+00 380+00	Right Right		M2-1 M1-5A	Junction Marker County Marker	E	21 X 15 24 X 24							1	1		
2502	380+00	Right		J1-1	Junction Assembly	JCT	24 X 39	6.50			1						
					•••••••	E											
2503	382+90	Right		W1-1R	Right Turn		36 X 36	9.00				1					
2504	382+90	Right		W13-1	Advisory Speed Plate (Yellow Back)	30	24 X 24	4.00								2503	
2505R	383+50	Right		W1-1R	· ·	20	36 X 36							1	1		
2506R 2507	383+50 385+50	Right Left		W13-1 W1-2R	Advisory Speed Plate (Yellow Back) Right Curve	30	24 X 24 30 X 30	6.25			1						
2507	385+50	Left		W1-2K W13-1	Advisory Speed Plate (Yellow Back)	50	18 X 18	2.25								2507	
2509	386+75	Left		W1-8	Chevron		18 X 24	3.00	1							<u> </u>	
2510R	387+00	Left		W1-2R	Right Curve		30 X 30							1	1		
2511R	387+00	Left		W13-1	Advisory Speed Plate (Yellow Back)	50	18 X 18							1			
2600R	387+10	Right		W5-2 W5-2	Narrow Bridge Narrow Bridge		30 X 30	9.00			 1			1	1		
2601 2602	387+10 387+50	Right Left		W1-8	Chevron		36 X 36 18 X 24	3.00	1		1						<del></del>
2603	387+55	Left		W1-8	Chevron		18 X 24	3.00	1								
2604R	388+30	Left		W1-6	Night Arrow ( Single )		48 X 24							1	1		
2605	388+30	Left		W1-8	Chevron		18 X 24	3.00	1								
2606	388+35	Left		W1-8	Chevron	WEST	18 X 24	3.00	1								
2607	388+80	Left		J4-1	Reassurance Assembly	WEST 179	24 X 36	6.00		1							
2608R	389+10	Right		M1-5A	County Marker	E	24 X 24							1	1		
2609R	389+10	Right		M6-6	Directional Arrows	[Left and Up Arrow]	21 X 21							1			
2610	389+10	Right		J13-1	Route Turn Assembly	Е	24 X 45	7.50			1						
	000.40	1.6		144.0		[Left and Up Arrow]	40.7/04										
2611 2612	389+10 389+15	Left Left		W1-8 W1-8	Chevron Chevron		18 X 24 18 X 24	3.00 3.00	1								
2613R	389+20	Left		M1-5A	County Marker	E	24 X 24	3.00						1	1		
2614R	389+20	Left		M6-1	Arrow - RIGHT, LEFT, OR AHEAD	[Left Arrow]	21 X 21							1			
2615	389+20	Left	CTH E	J13-2	Route Turn Assembly	E - 179	48 X 45	15.00		1							
			07115	5	•	[Left Arrow] [Left and Right Arrow]											
2616R	389+25	Left	CTH E CTH E	R1-1 R1-1	Stop		30 X 30 30 X 30	 5 10						1	1		
2617 2618R	389+25 389+50	Left Right	OIRE	M1-1	Stop State Route Marker	179	24 X 24	5.18 						1	1		
2619R	389+50	Right		W1-7	Night Arrow ( Double )		48 X 24							1			Accident Tag #6839738
2620	389+50	Right		W1-7	Night Arrow ( Double )		48 X 24	8.00		1							
2621	390+00	Left		W1-8	Chevron	_	18 X 24	3.00	1								
2622R	390+15	Left		M1-5A	County Marker	E [Bight Arrow]	24 X 24							1	1		
2623R 2624	390+15 390+15	Left Left		M6-1 J13-1	Arrow - RIGHT, LEFT, OR AHEAD  Route Turn Assembly	[Right Arrow] E	21 X 21 24 X 45	7.50			1			<u> </u>			
2027	000110	Loit		010-1		[Right Arrow]	27 / 70										
2625	390+30	Left		W1-8	Chevron	£ 5 × 201	18 X 24	3.00	1								
2626	390+50	Right		J4-2	Reassurance Assembly	EAST - BLANK	48 X36	12.00			1						
	000.00	1 - 6		14// 0	Oharan	179 - E	10.22.										
2627 2628	390+80 391+10	Left Left		W1-8 W1-8	Chevron Chevron		18 X 24 18 X 24	3.00 3.00	1								
2629	391+10	Left		W1-8	Chevron		18 X 24	3.00	1								
2630R	391+90	Right		W8-8	Rough Road		30 X 30							1	1		
2631R	391+90	Left		W1-6	Night Arrow ( Single )		48 X 24							1	1		
2632	391+90	Left		W1-8	Chevron		18 X 24	3.00	1								
2633	392+40	Left		W1-8	Chevron		18 X 24	3.00	1								
2634 2635	392+70 393+20	Left Left		W1-8 W1-8	Chevron Chevron		18 X 24 18 X 24	3.00 3.00	1								
2636	393+20	Left		W1-8	Chevron		18 X 24	3.00	1								
						SHEET TOTALS	·	162.86	17	6	6	1	0	26	17		
1																	

PLOT DATE : \_

COUNTY: CRAWFORD

HWY: STH 179

PROJECT NO: 5870-04-61

MISCELLANEOUS QUANTITIES

PLOT NAME : \_\_\_\_\_

PLOT SCALE : 1:1

SHEET:

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								637.0202	624.0642	624.0644	624.0646	624.064.9	633.0100	638.2602	638.3000		
							SIGN	SIGNS REFLECTIVE		634.0614 POSTS WOO			DELINEATOR POSTS STEEL	REMOVING SIGNS	REMOVING SMALL SIGN	SIGN MOUNTED	
SIGN NUMBER	APPROX. STATION	POSITION	SITE ID	SIGN CODE	SIGN DESCRIPTION	ORDER LINES	SIZE IN X IN	TYPE II SF	12 FT EACH	14 FT EACH	16 FT EACH	18 FT EACH	12 FT EACH	TYPE II EACH	SUPPORTS EACH	ON SAME POST AS	REMARKS
2637	394+30	Left	SILID	W1-8	Chevron	ONDER LINES	18 X 24	3.00	1							F031 A3	KLIMAKKO
2638R	394+50	Right		W5-52R	Bridge Hash Marks Right		12 X 36							1	1		
2639 2640R	394+50 394+50	Right Left		W5-52R W5-52L	Bridge Hash Marks Right Bridge Hash Marks Left		12 X 36 12 X 36	3.00					1	1	1		
2641	394+50	Left		W5-52L	Bridge Hash Marks Left		12 X 36	3.00					1				
2642R	396+10	Left		W5-52R	Bridge Hash Marks Right		12 X 36							1	1		
2643 2644R	396+10 396+10	Left Right		W5-52R W5-52L	Bridge Hash Marks Right Bridge Hash Marks Left		12 X 36 12 X 36	3.00						1	 1		
2645	396+10	Right		W5-52L	Bridge Hash Marks Left		12 X 36	3.00					1				
2646	397+50	Left		W1-1L	Left Turn	20	36 X 36	9.00				1				00.40	
2647 2648R	397+50 399+00	Left Left		W13-1 M1-5A	Advisory Speed Plate (Yellow Back) County Marker	30 E	24 X 24 24 X 24	4.00						1	 1	2646	
2649R	399+00	Left		M5-1R	Advance Arrow Right Turn		21 X 21							1			
2650	399+50	Left		J13-1	Route Turn Assembly	E	24 X 45	7.50		1	1						
2651R	401+50	Right		W1-2L	Left Curve	[Advance Arrow Right Turn]	36 X 36							1	1		
2700	404+00	Left		W5-2	Narrow Bridge		36 X 36	9.00			1						
2701R	405+70	Left		W1-1L	Left Turn	22	30 X 30							1	1		
2702R 2703R	405+70 407+25	Left Left		W13-1 W5-2	Advisory Speed Plate (Yellow Back) Narrow Bridge	30	18 X 18 36 X 36							1 1	 1		
2704R	412+25	Right	Kickapoo Valley Rd	R1-1	Stop		30 X 30							1	1		
2705	412+25	Right	Kickapoo Valley Rd	R1-1	Stop		30 X 30	5.18		1							
2706 2707	416+00 416+00	Right Right		W1-2R W13-1	Right Curve Advisory Speed Plate (Yellow Back)	45	30 X 30 18 X 18	6.25 2.25		1						2706	
2707 2708R	416+50	Right		W1-2R	Right Curve	40	30 X 30							1	1	2.50	
2709R	416+50	Right		W13-1	Advisory Speed Plate (Yellow Back)	45	18 X 18							1			
2710R 2800R	418+50 421+00	Left Left		W1-2R W2-2	Right Curve Side Road (90 Degrees)		30 X 30 30 X 30							1	1		
2801	421+00	Left		W2-2	Side Road (90 Degrees)		30 X 30	6.25		1							
2802	421+50	Right		12-3	Community Population Name Sign (With Steuben Number)	Steuben	60 X 24	10.00		2							
2803R	425+50	Left	Newman Rd	R1-1	Stop	Population 131	30 X 30							1	1		
2803R 2804	425+50 425+50	Leπ Left	Newman Rd Newman Rd	R1-1 R1-1	Stop		30 X 30 30 X 30	5.18		1					1 		
2805R	434+50	Left		W1-2L	Left Curve		30 X 30							1	1		
2806R 2807	434+50 434+50	Left Left		W13-1 W1-2L	Advisory Speed Plate (Yellow Back) Left Curve	45	18 X 18 30 X 30	6.25			1			1			
2807	434+50 434+50	Leπ Left		W13-1	Advisory Speed Plate (Yellow Back)	45	18 X 18	2.25								2807	
2900R	443+00	Right		W1-2L	Left Curve		30 X 30							1	1		
2901R	443+00 454+00	Right		W13-1 W3-5	Advisory Speed Plate (Yellow Back)	45 25	18 X 18							1	 1		
3000R 3001R	454+00 456+00	Right Left		W1-2R	Speed Limit _ Ahead [Arrow]  Right Curve	29	36 X 36 30 X 30							1	1		
3002R	456+00	Left		W13-1	Advisory Speed Plate (Yellow Back)	45	18 X 18							1			
3003 3100R	456+75 463+00	Right		W3-5 R2-1	Speed Limit _ Ahead [Arrow] Speed Limit _ MPH	25 25	36 X 36 24 X 30	9.00			1			 1	 1		
3100R 3101	463+00 463+00	Right Right		R2-1 R2-1	Speed Limit _ MPH Speed Limit _ MPH	25 25	24 X 30 24 X 30	5.00		1				1	1		
3102R	463+00	Left		R2-1	Speed Limit _ MPH	55	24 X 30							1	1		
3103	463+00	Left		R2-1	Speed Limit _ MPH Community Population Name Sign (With Steuben Number)	55 Stoubon	24 X 30	5.00		1							
3104R	464+50	Right		I-2-3	Community Population Name Sign (with Steuben Number)	Steuben Population 131	60 X 24							1	2		
3105R	464+50	Left		M3-4	WEST Cardinal Route Marker	·	24 X 12							1	1		
3106R	464+50	Left		M1-6	State Route Marker	179	24 X 24							1			
3107R 3108	464+50 464+50	Left Left		D2-1 D2-1	Destination/Distance (One) with Die Cut Letters Destination/Distance (One) with Die Cut Letters	Eastman 9 Eastman 9	66 X 15 66 X 15	6.88		1	1			1 			
3109	464+50	Right		J1-2	Junction or End Assembly (2 Headed Panel)	JCT - END	48 X 39	13.00		1							
24400	466 - 50	Diebt		WO 4	Cton Aboud	131 - 179	26 V 26										
3110R 3111	466+50 466+50	Right Right		W3-1 W3-1	Stop Ahead Stop Ahead		36 X 36 36 X 36	9.00			1			1	1		
3112R	468+25	Right		M2-1	Junction Marker		21 X 15							1	1		
3113R	468+25	Right		M4-6	End Marker	404 470	24 X 12							1			
3114R 3115	468+25 468+25	Right Right		M50-2 J2-3	Route Marker Panel - (2 Faces)  Route Turn Assembly	131 - 179 NORTH - BLANK - SOUTH	24 X 24 72 X 57	28.50			2			1 			
	.50.20			J_ 0	·····	131 - E - 131	2.37										
2440	400 . 00	1.6		D0.4	Consulting to MDU	[Advance Arrow Left Turn] [Advance Arrow Left Turn] [Up Arrow]	04 7 00										
3116 3117R	469+00 469+10	Left Left	Bridge St	R2-1 R1-1	Speed Limit _ MPH Stop	25	24 X 30 30 X 30	5.00		1				1	 1		
	.55110	Lon	2.14g0 Ot	171-1	p									<u>·</u>	<u> </u>		
						SHEET TOTALS		169.49	1	12	8	1	4	34	25		
PROJEC	CT NO:	5870-04-	61		HWY: STH 179	COUNTY: CRAWFORD	MISC	CELLANEO	US QUA	NTITIE	S					SHEE	ET:
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 FILE NAME:
 PLOT DATE:
 PLOT BY:
 PLOT NAME:
 PLOT SCALE: 1:1

SIGN	APPROX.			SIGN			SIGN SIZE	637.0202 SIGNS REFLECTIVE TYPE II			634.0616 OOD 4X6 INC		633.0100 DELINEATOR POSTS STEEL 12 FT	638.2602 REMOVING SIGNS TYPE II	638.3000 REMOVING SMALL SIGN SUPPORTS	SIGN MOUNTED ON SAME	
NUMBER	STATION	POSITION	SITE ID	CODE	SIGN DESCRIPTION	ORDER LINES	IN X IN	SF	EACH	EACH	EACH	EACH	EACH	EACH	EACH	POST AS	REMARKS
3118	469+10	Left	Bridge St	R1-1	Stop		30 X 30	5.18		1							
3119R	469+40	Right	Bridge St	R1-1	Stop		30 X 30							1	1		
3120	469+40	Right	Bridge St	R1-1	Stop		30 X 30	5.18		1							
3121R	470+40	Right		D1-2	Two Destinations (Arrows)	[Up Arrow] Wauzeka	78 X 30							1	2		
						[Left Arrow] Bell Center											
3122	470+40	Right		D1-2	Two Destinations (Arrows)	[Up Arrow] Wauzeka	72 X 30	15.00		2							
						[Left Arrow] Gays Mills											
3123R	470+40	Right		W14-3	No Passing Zone		48 X 36							1			Existing sign on back of 3120R
3124	471+00	Right		W14-3	No Passing Zone		48 X 36	6.00		1							
3125R	471+00	Left		R2-1	Speed Limit _ MPH	25	24 X 30							1	1		
3126	471+00	Left		J4-2	Reassurance Assembly	WEST - BLANK	48 X 36	12.00			1						
						179 - E											
3127R	471+00	Left		M3-4	WEST Cardinal Route Marker		24 X 12							1	1		
3128R	471+00	Left		M1-6	State Route Marker	179	24 X 24							1			
3129R	471+75	Right	STH 131	R1-1	Stop		36 X 36							1	1		
3130	471+75	Right	STH 131	R1-1	Stop		36 X 36	7.46			1						
3131R	471+75	Right	STH 131	M3-1	NORTH Cardinal Route Marker		24 X 12							1	2		
3132R	471+75	Right	STH 131	M3-3	SOUTH Cardinal Route Marker		24 X 12							1			
3133R	471+75	Right	STH 131	M50-3	Route Marker Panel - (3 Faces)	131 - E - 131	72 x 24							1			
3134R	471+75	Right	STH 131	M6-1	Left Arrow	[Left Arrow]	21 X 21							1			
3135R	471+75	Right	STH 131	M6-1	Left Arrow	[Left Arrow]	21 X 21							1			
3136R	471+75	Right	STH 131	M6-1	Up Arrow	[Up Arrow)	21 X 21							1			
3137	471+75	Right	STH 131	J3-3	Directional Assembly (3 Headed Panel)	NORTH - BLANK - SOUTH	72 X 57	28.50			1	1					
						131 - E - 131											
						[Left Arrow] [Left Arrow] [Up Arrow]											
						SHEET TOTALS		79.32	0	5	3	1	0	13	8		
						PROJECT TOTALS		1076.32	42	71	39	5	12	193	126		

PROJECT NO: 5870-04-61 HWY: STH 179 COUNTY: CRAWFORD MISCELLANEOUS QUANTITIES SHEET: **E** 

FILE NAME : \_\_\_\_\_ PLOT DATE : \_\_\_\_ PLOT BY : \_\_\_\_ PLOT NAME : \_\_\_\_ PLOT SCALE : 1:1

#### PAVEMENT MARKING EPOXY 18-INCH

## CATEGORY STATION TO STATION LOCATION LF REMARKS 0010 9+45 - 471+61 46216 TOTAL 0010 46216

CONSTRUCTION STAKING RESURFACING REFERENCE

				646.0156	
CATEGORY	STATION TO	STATION	LOCATION	LF	REMARKS
0010	9+75		MAINLINE	25	
0010	471+61		MAINLINE	12	
			TOTAL 0010	37	

#### LOCATING NO-PASSING ZONES

					648.0100	
CATEGORY	STATION	ТО	STATION	LOCATION	MI	REMARKS
0010	9+45	-	471+61	MAINLINE	8.75	
				TOTAL 0010	8.75	

#### TEMPORARY PAVEMENT MARKING 4-INCH

				649.0100	
CATEGORY	STATION TO	STATION	LOCATION	LF	REMARKS
0010	9+45 -	471+60	MAINLINE	92600	ON BINDER COURSE
0010	9+45 -	471+60	MAINLINE	92600	ON SURFACE BEFORE RUMBLE STRIPS
			TOTAL 0010	185200	

<sup>\*</sup> TEMPORARY MARKING ON SURFACE LIFT IS TO REMAIN THROUGH GRINDING OF RUMBLE STRIPS AT WHICH TIME IT WILL BE PAINTED OVER WITH PAVEMENT MARKING EPOXY.

#### CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER

CATEGORY	STATION TO	STATION	LOCATION	LF	REMARKS
0010	9+45 -	471+61	VARIOUS	34629	
			TOTAL 0010	34629	

#### SAWING ASPHALT

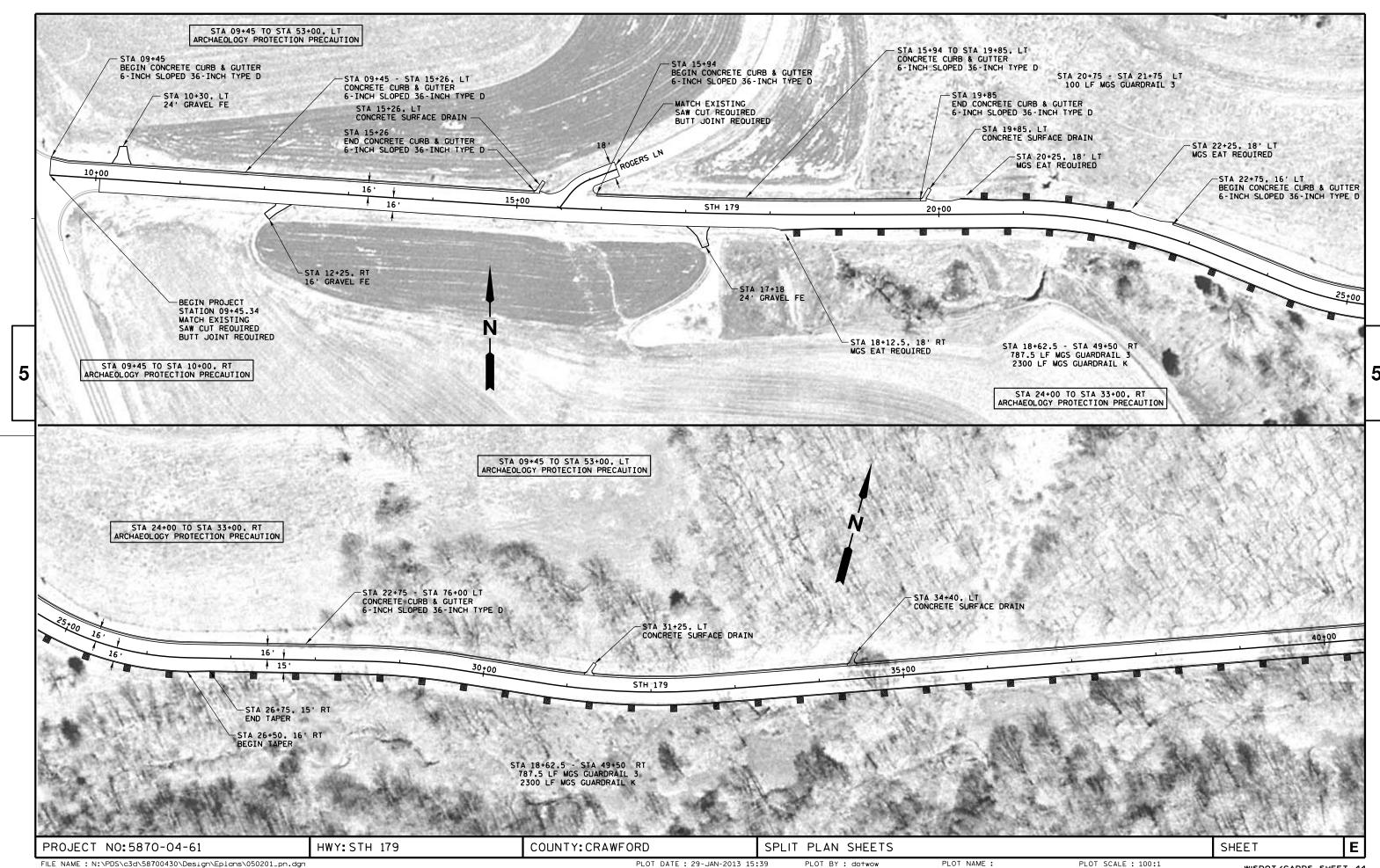
					690.0150	
CATEGORY	STATION	T0	STATION	LOCATION	LF	REMARKS
0010	9+45			ML	20	WB BOP
0010	9+45	-	10+05	ML	60	C/L
0010	10+05			ML	10	EB BOP
0010	10'R'+84				18	ROGERS LN
0010	60+00			LT	18	PRIVATE ENTRANCE
0010	11'HH'+50				22	HOOK HILL RD
0010	209+28			RT	40	PRIVATE ENTRANCE
0010	10'SR'+90				20	SWATEK RIDGE RD
0010	240+89			RT	16	PRIVATE ENTRANCE
0010	11'DR'+56				24	DUHA RIDGE RD
0010	329+09			LT	12	PRIVATE ENTRANCE
0010	10'WH'+00				24	WALKER HOLLOW RD
0010	7'E'+87				24	CTH E
0010	10'KV'+00				22	KICKAPOO VALLEY RD
0010	465+87				20	PRIVATE ENTRANCE
0010	467+88				24	PRIVATE ENTRANCE
0010	469+34				17	BRIDGE ST
0010	469+45				30	BRIDGE ST
0010	471+61			ML	22	EOP
				TOTAL 0010	443	

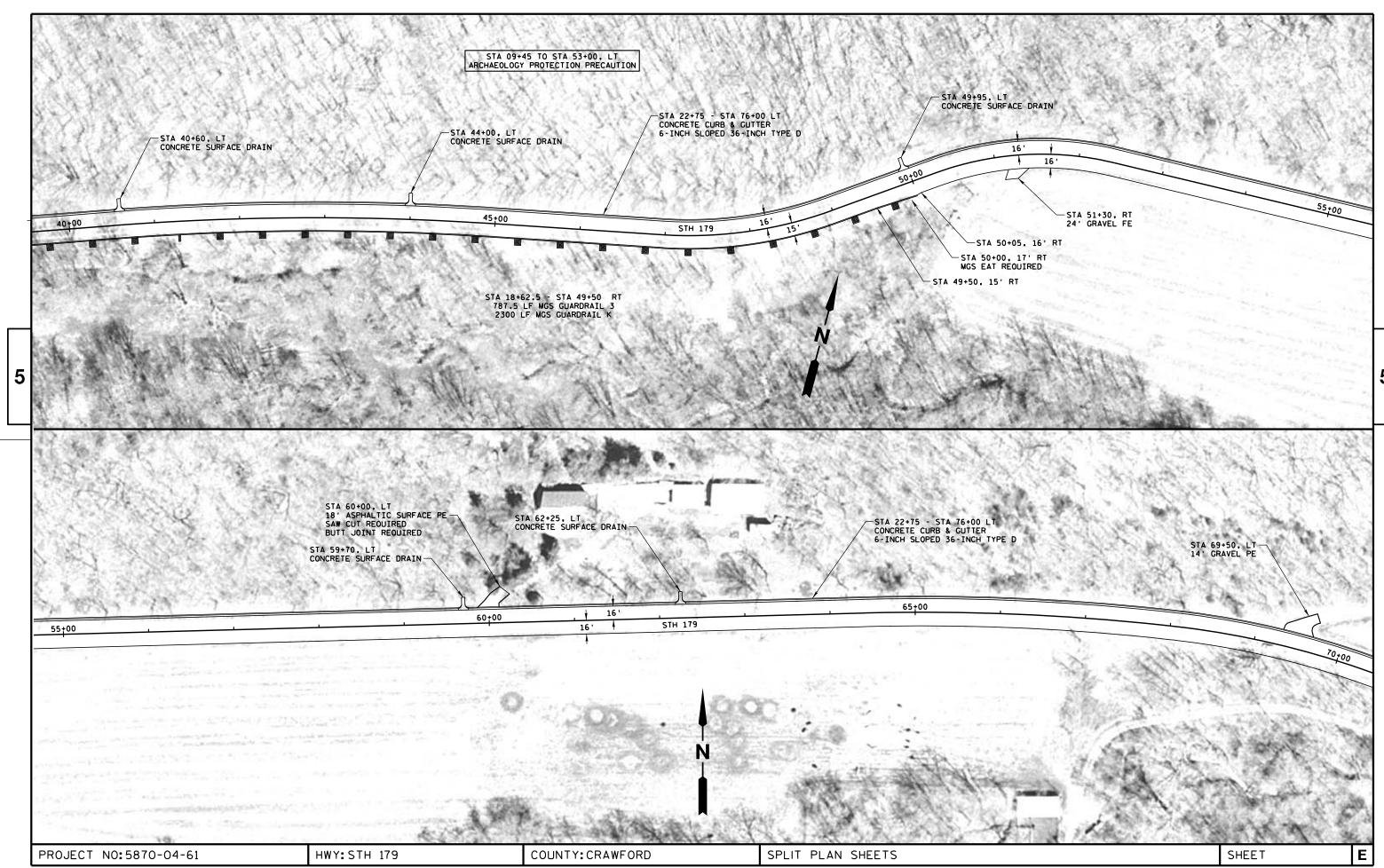
#### GEOGRID REINFORCEMENT

				SPV.0180.01	
CATEGORY	STATION TO	STATION	LOCATION	SY	REMARKS
0010	9+45 -	471+61	UNDISTRIBUTED	5000	EBS AREAS
			TOTAL 0010	5000	

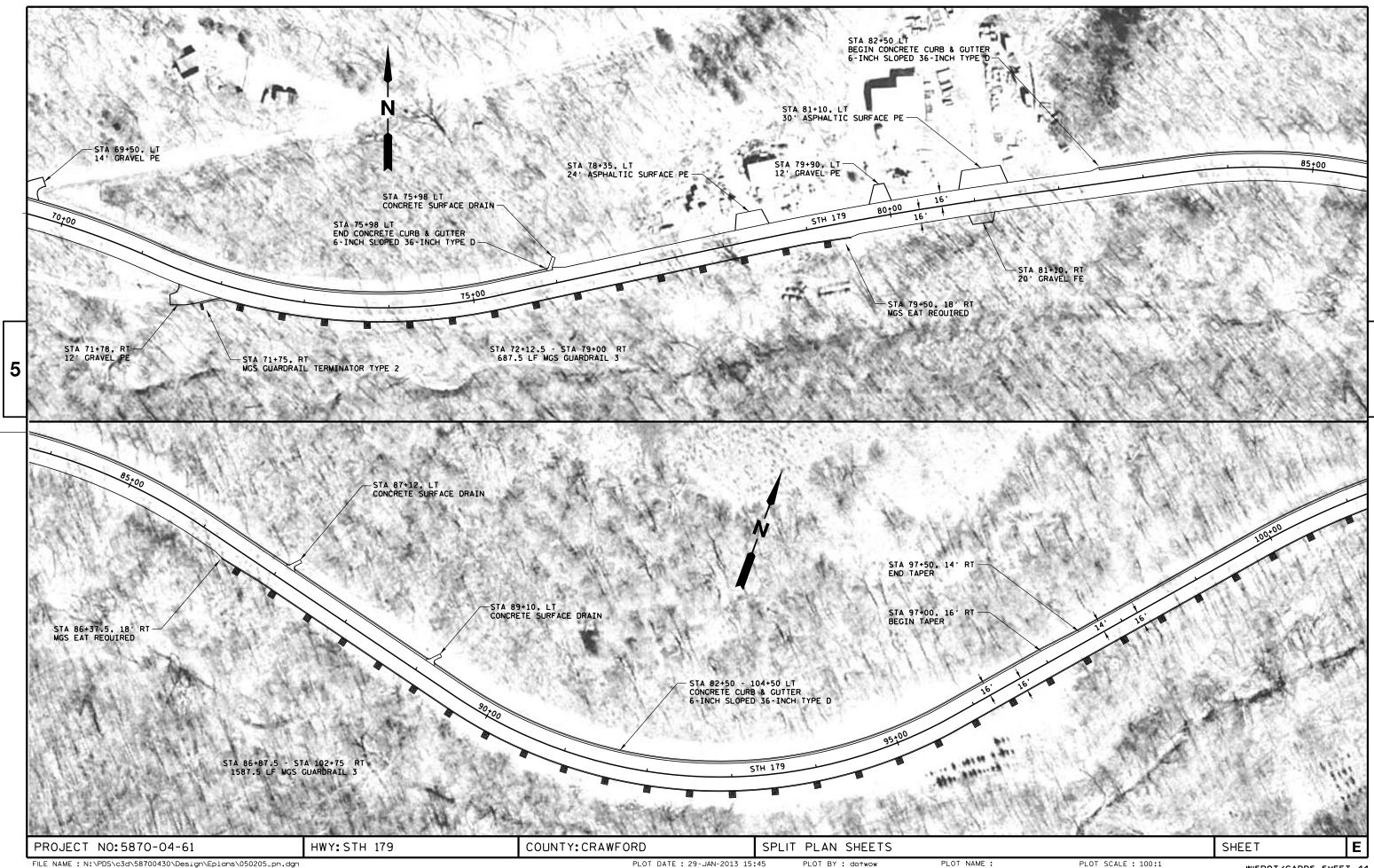
ſ	PROJECT NO: 5870-04-61	HWY: STH 179	COUNTY: CRAWFORD	MISCELLANEOUS QUANTITIES	SHEET:	Е

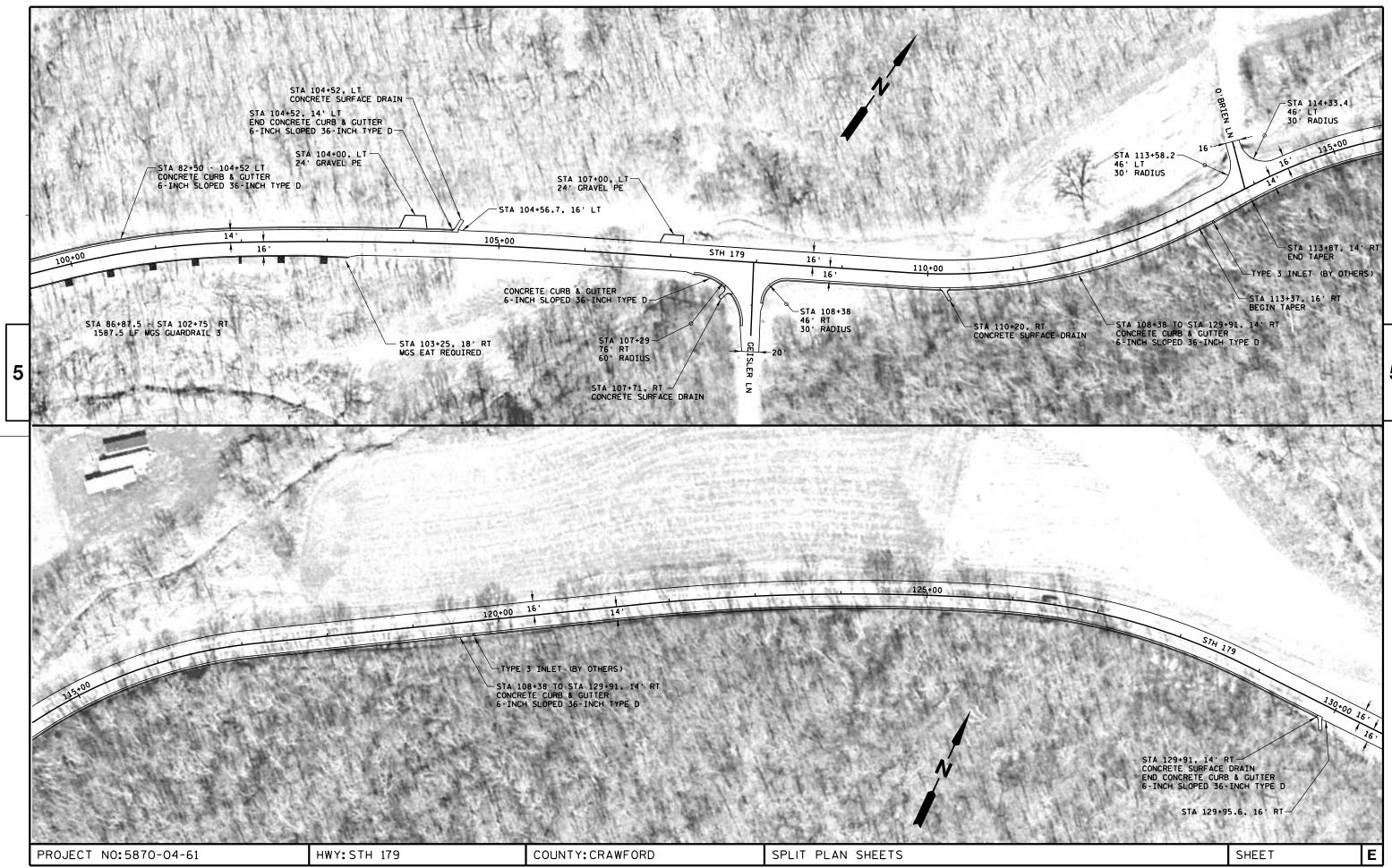
\_E NAME : \_\_\_\_\_\_ PLOT DATE : \_\_\_\_\_ PLOT BY : \_\_\_\_\_ PLOT NAME : \_\_\_\_\_ PLOT SCALE : 1:1

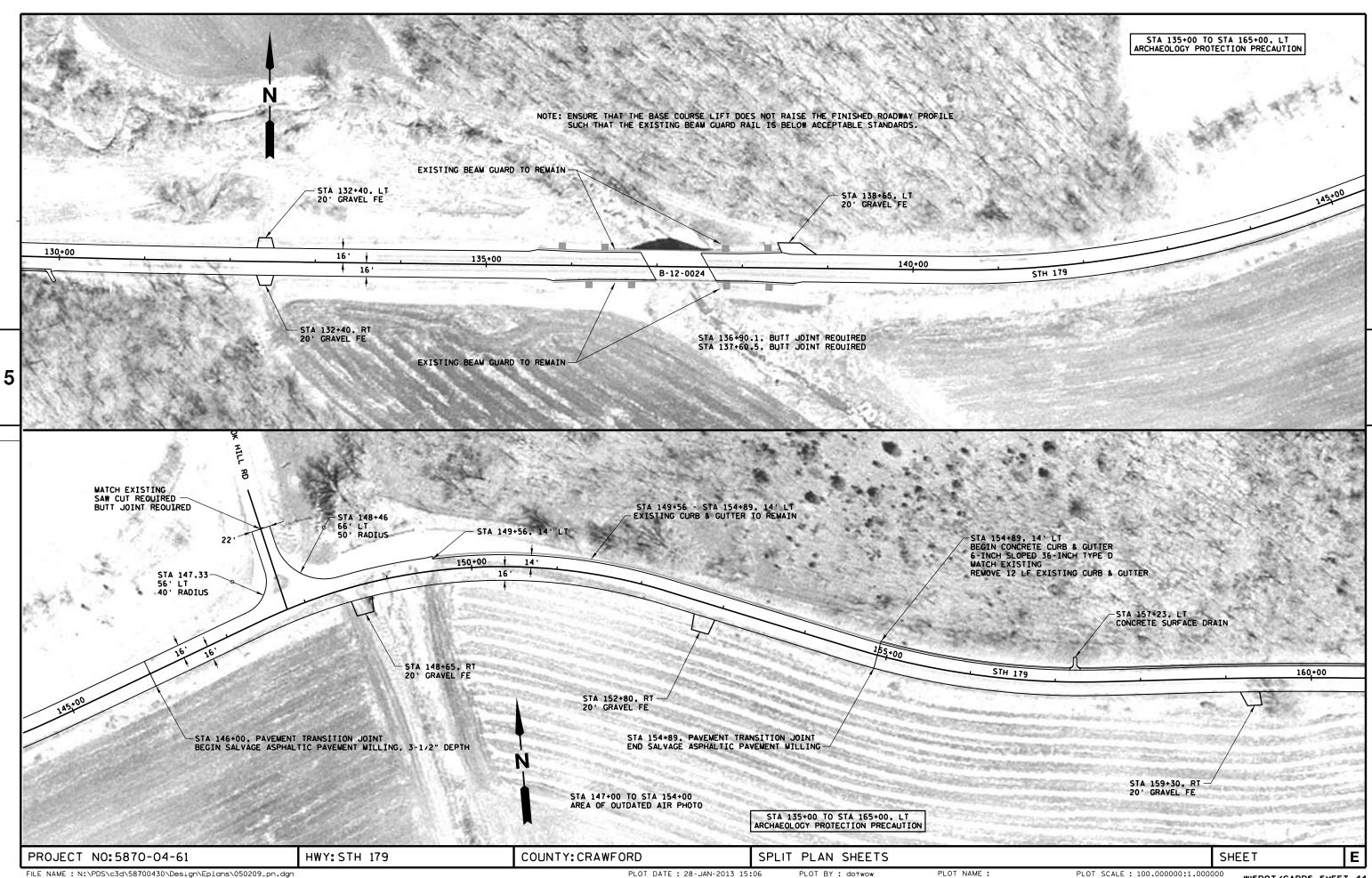


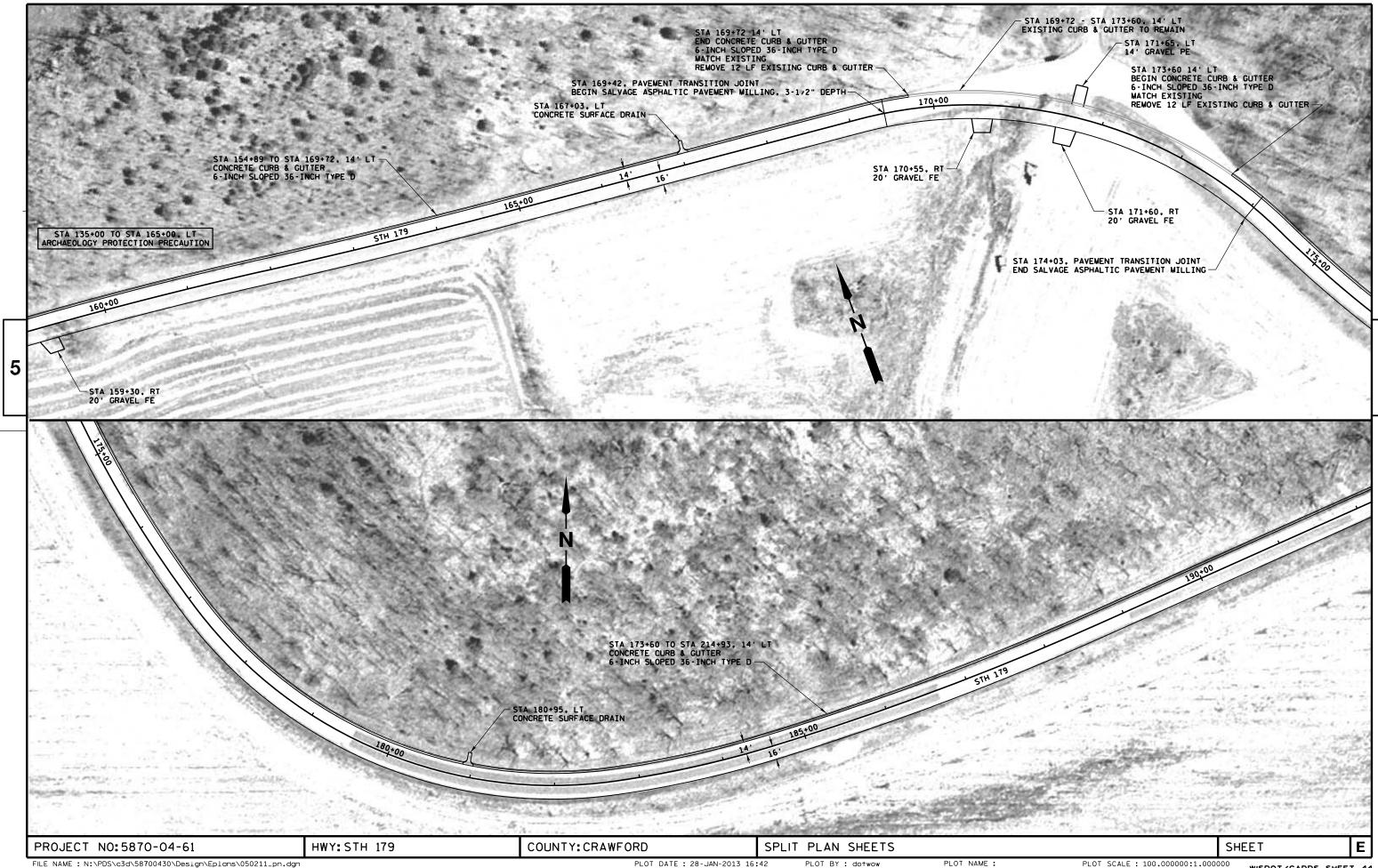


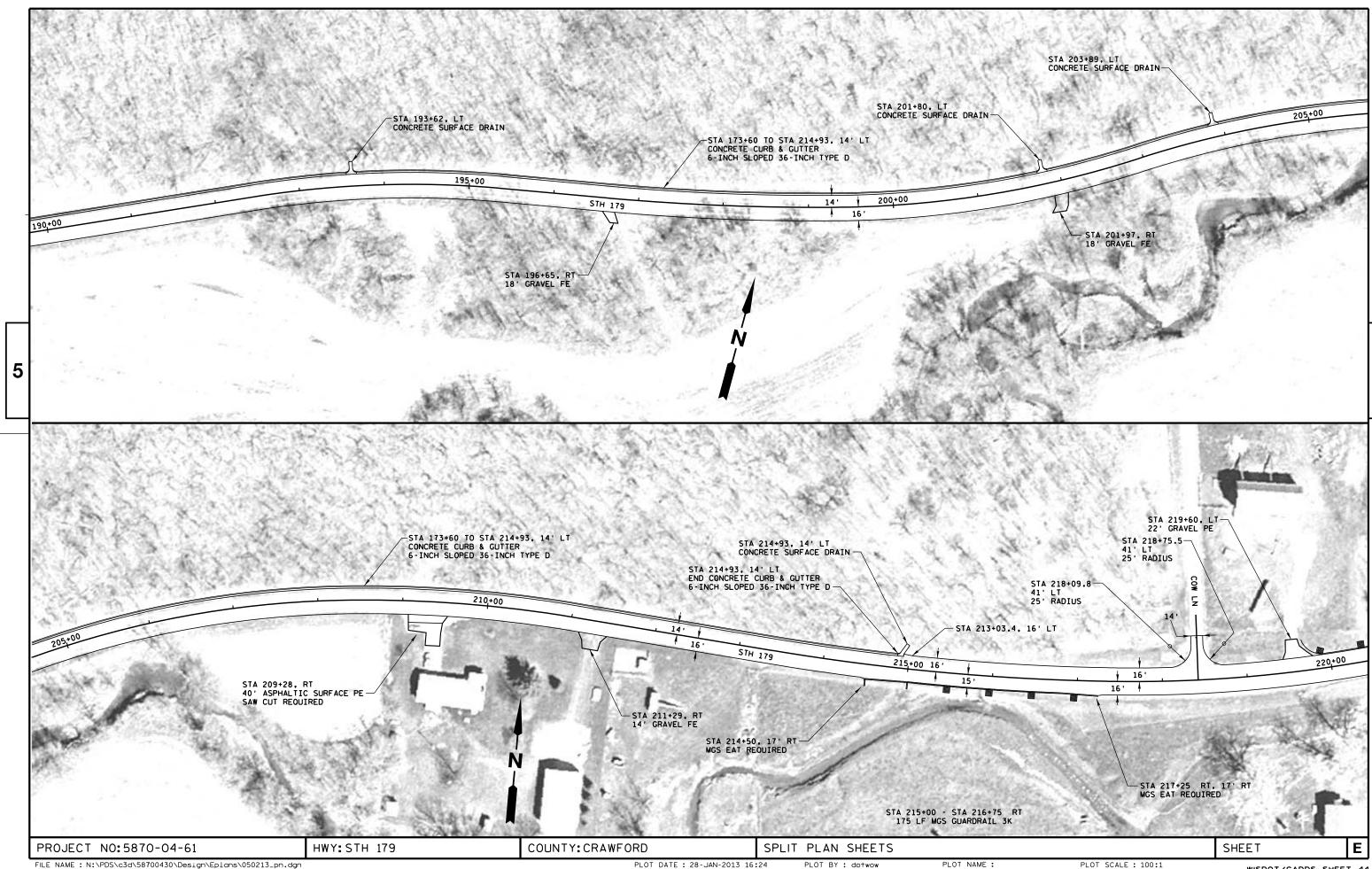
WISDOT/CADDS SHEET 44

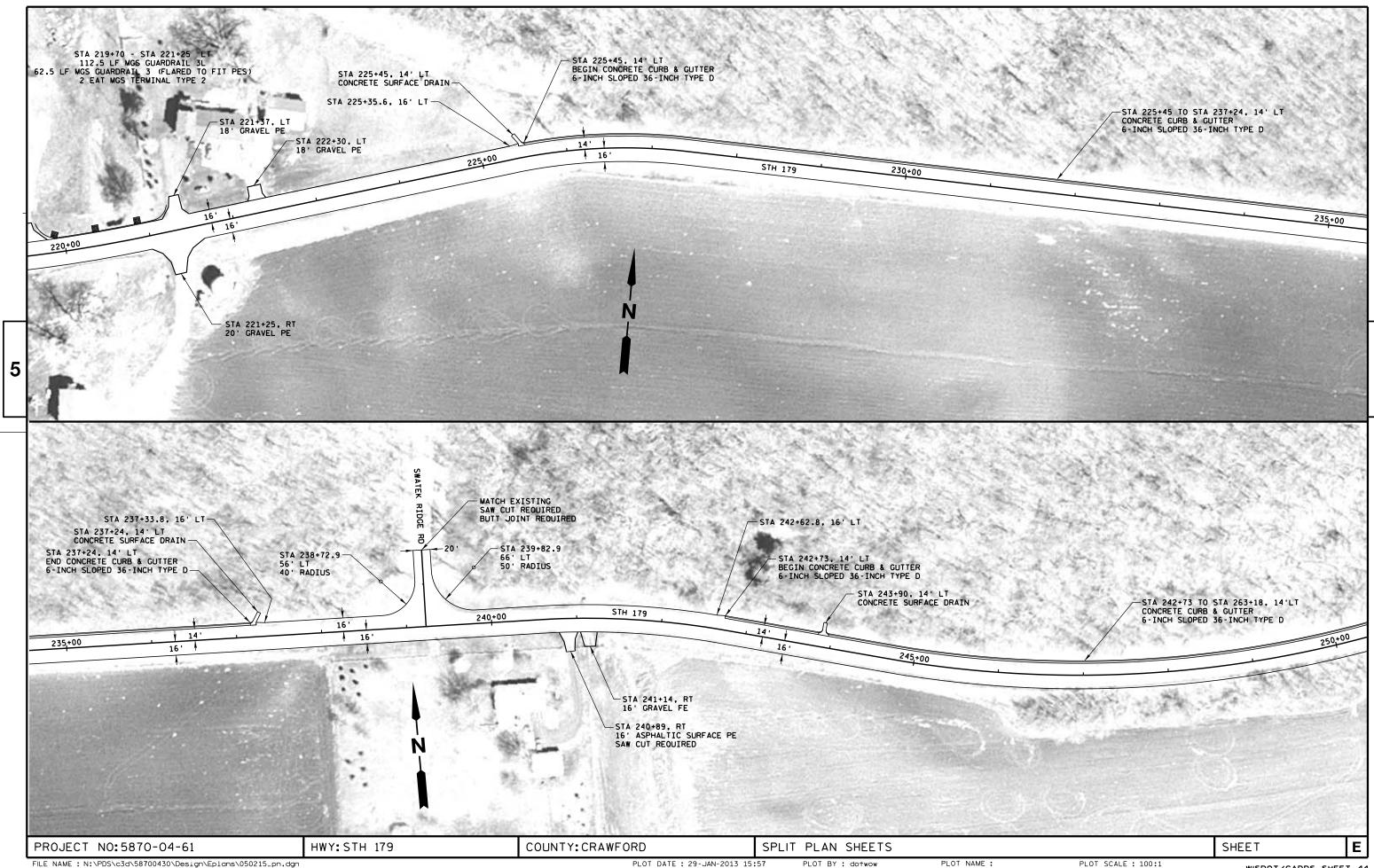


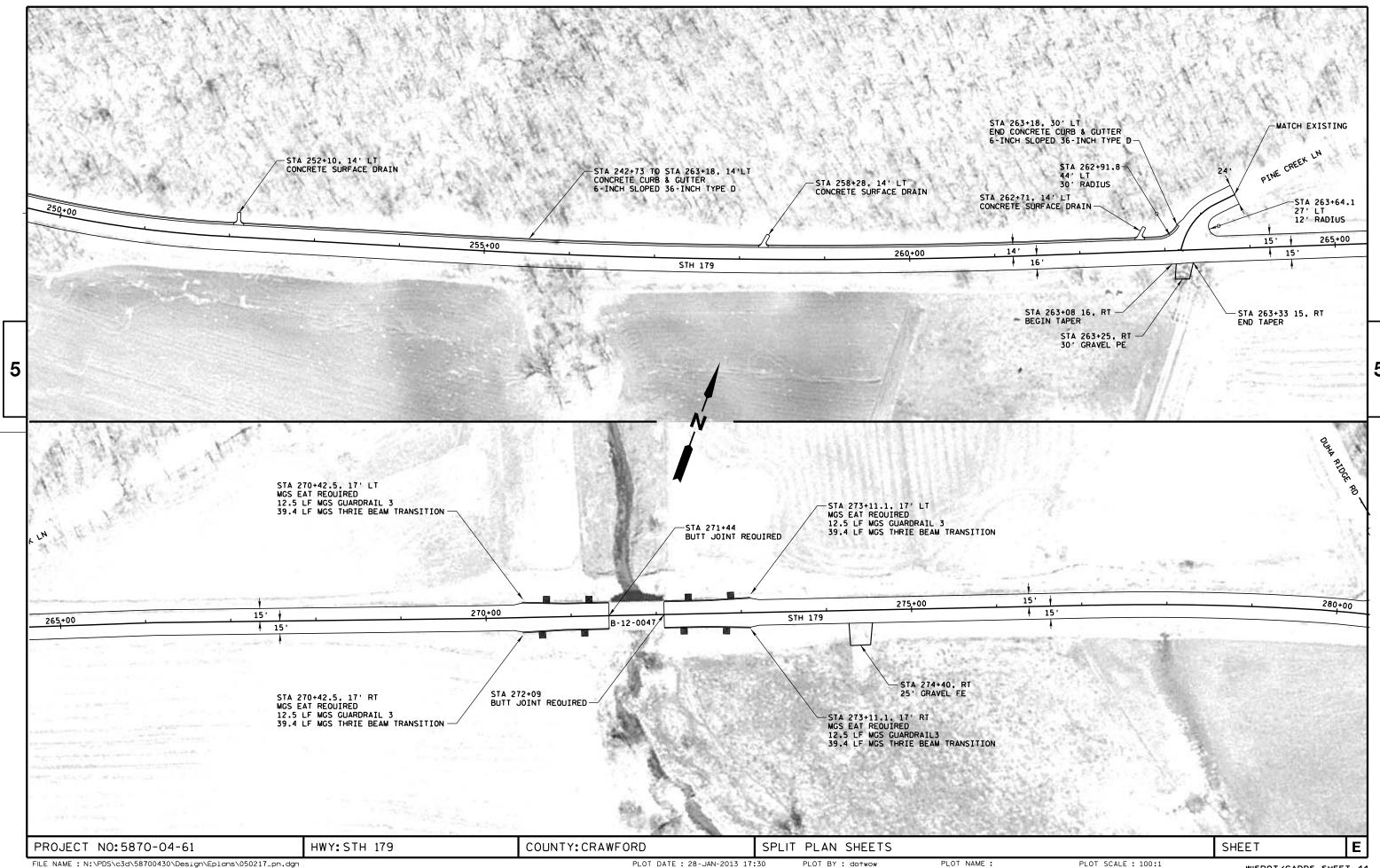


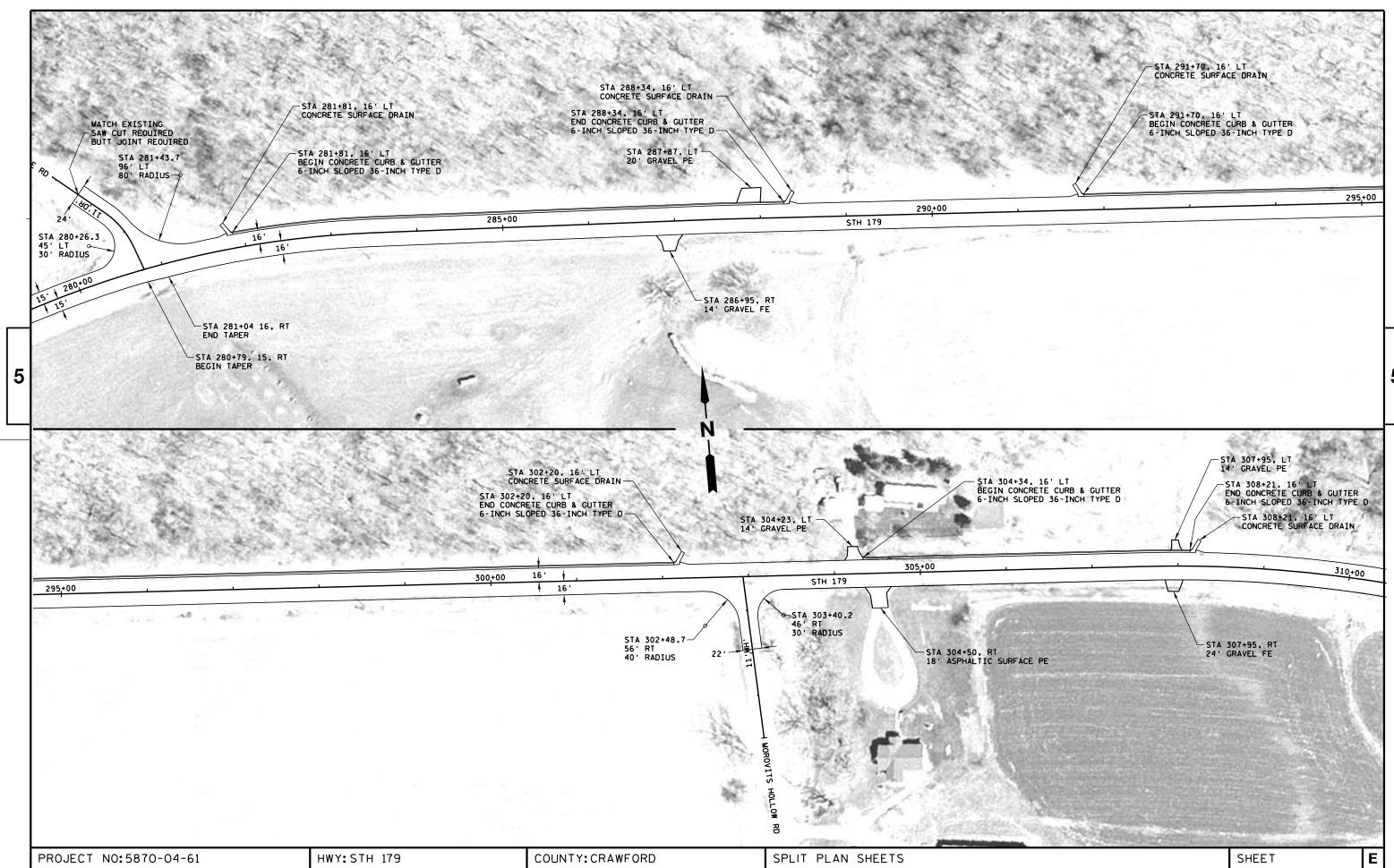






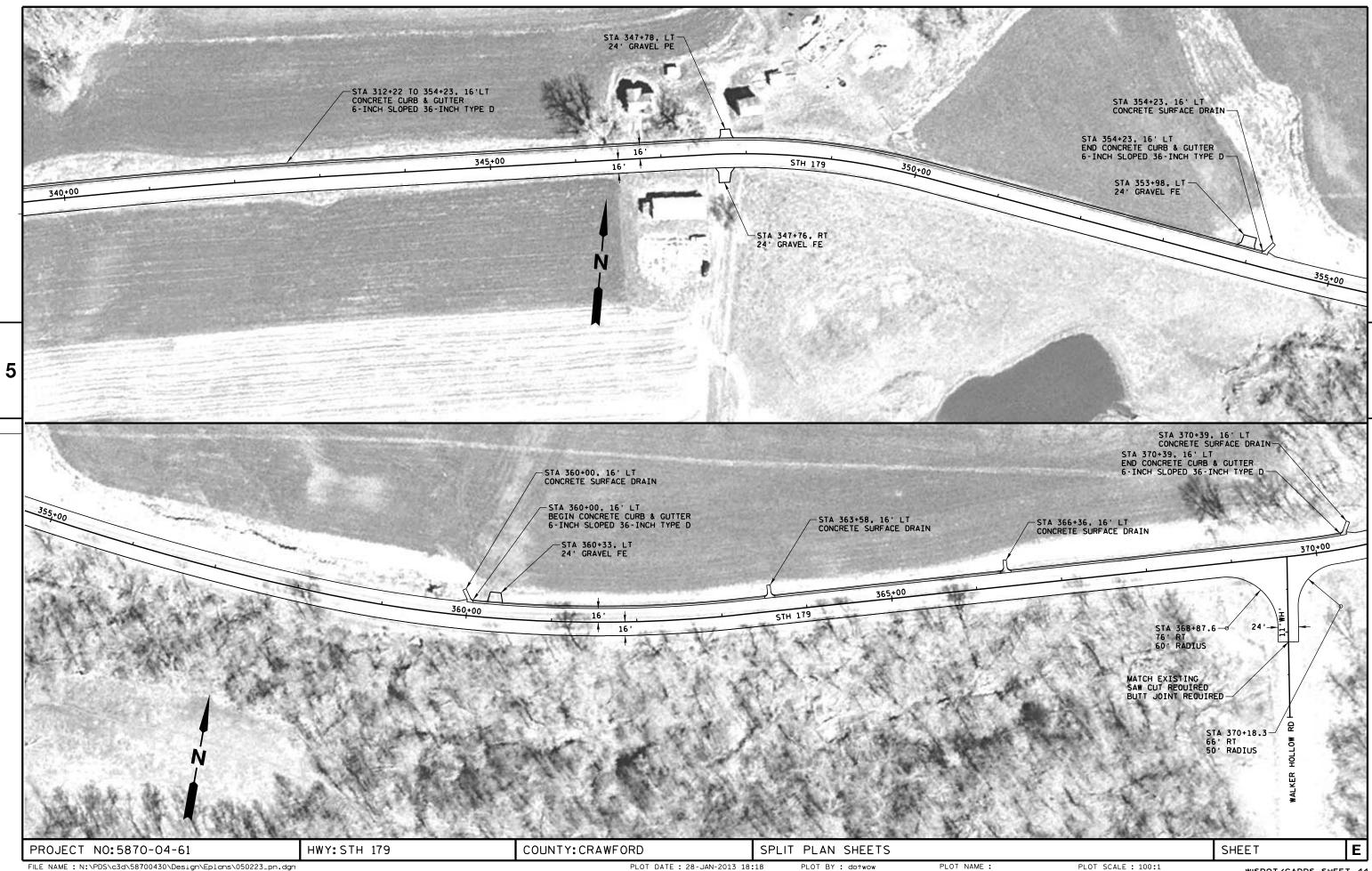




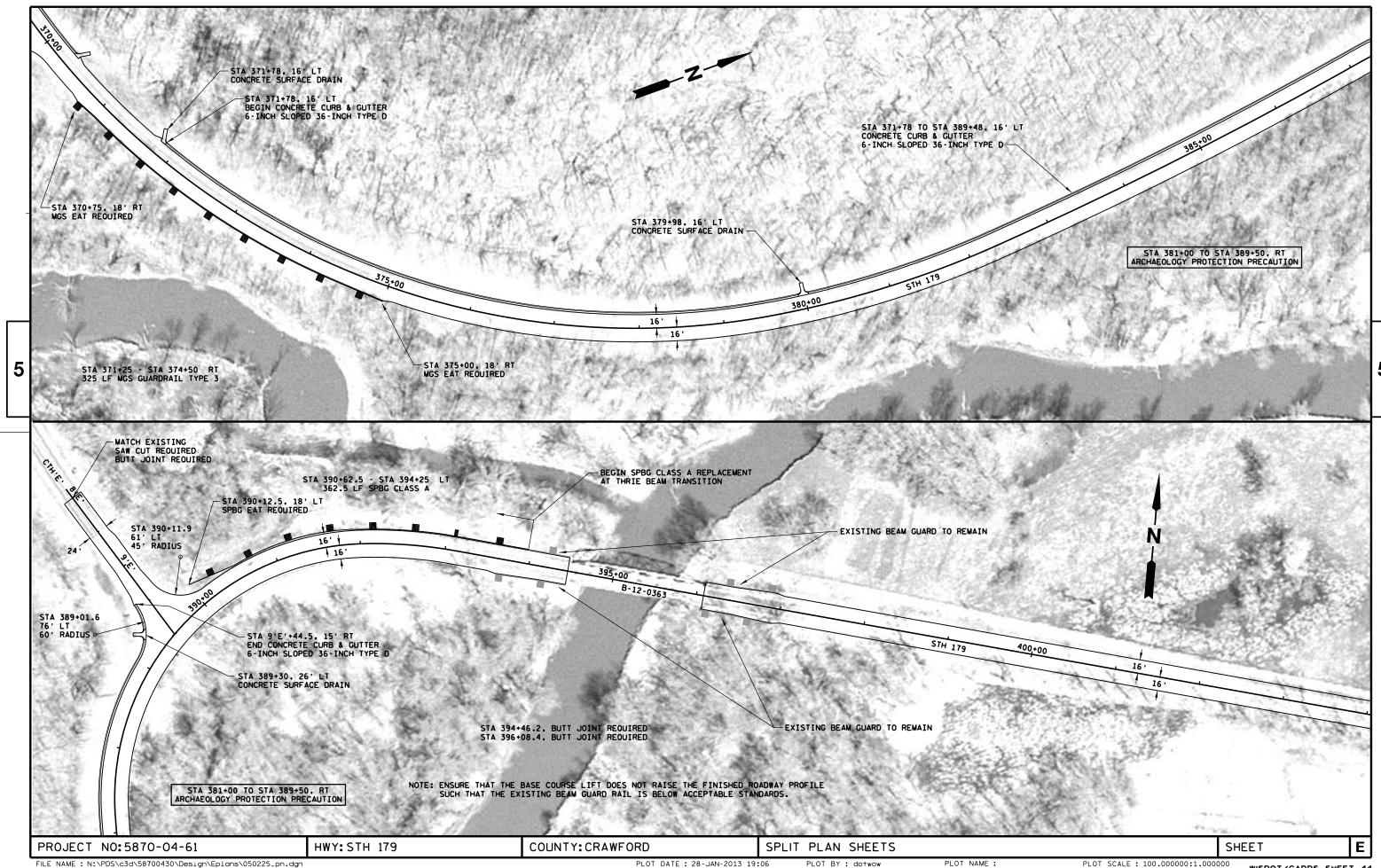


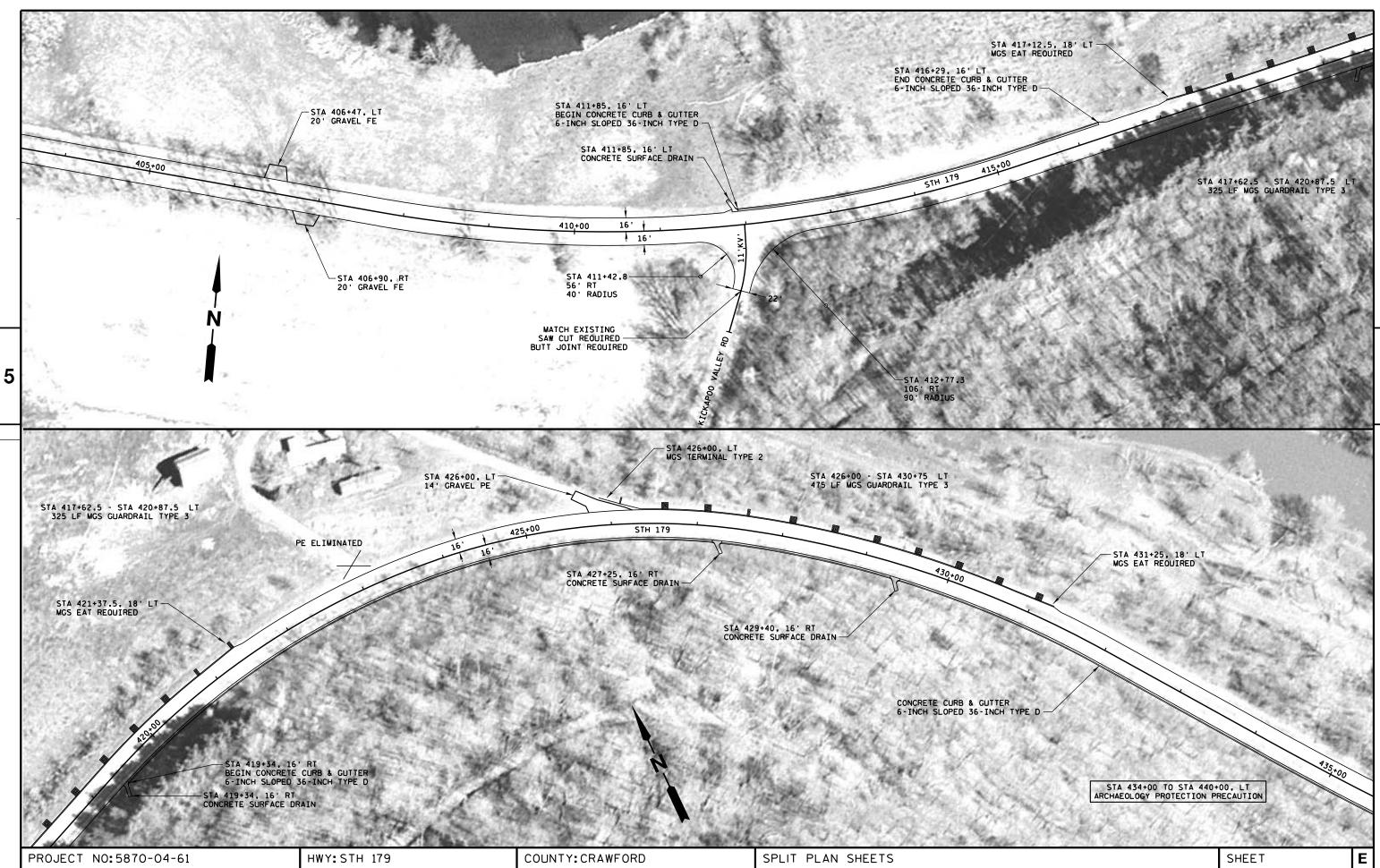
PLOT BY : dotwow



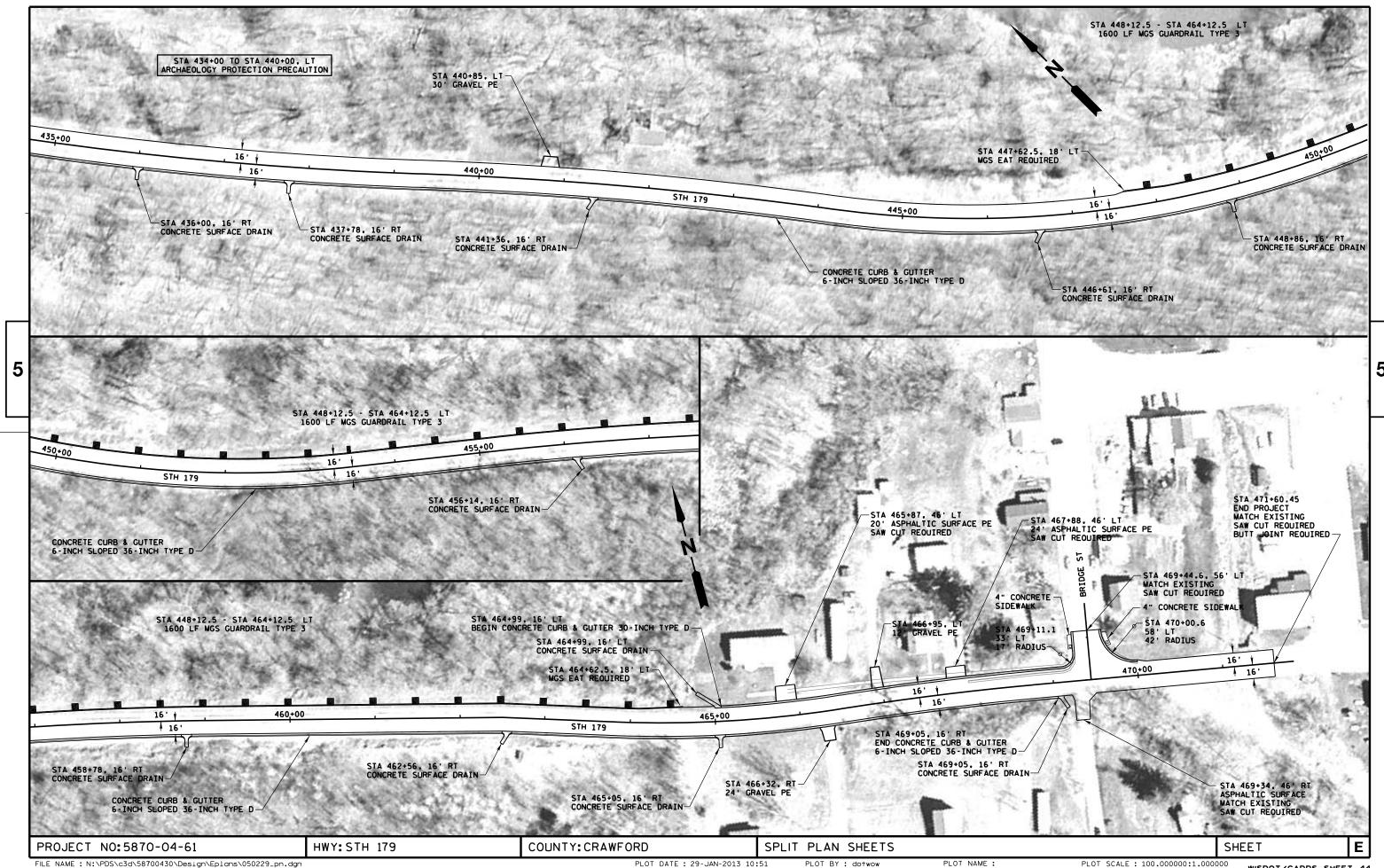


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PLOT BY : dotwow



### Standard Detail Drawing List

08A05-18C 08D01-17 08D04-05 08D05-14A 08D05-14B 08D05-14C 08D05-14D 08D05-14E 09A01-13A 13A11-01A 13A11-01B 14B15-07A 14B15-07B	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES CURB RAMPS TYPES 1 AND 1-A CURB RAMPS TYPES 2 AND 3 CURB RAMPS TYPE 4A CURB RAMPS TYPE 4B CURB RAMPS TYPE 5, 6, 7A, 7B & 8 AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE INTERSECTION BYPASS LANE 2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING 2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS
14B15-07C	STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS
14B18-06A	STEEL PLATE BEAM GUARD, CLASS "A" (AT BRIDGES, OBSTACLES AND SIDEROADS/DRIVEWAYS)
14B24-07A	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
14B24-07B	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
14B24-07C	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
14B42-02A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-02B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-02C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B43-02A	MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)
14B43-02C	MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)
14B44-01A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-01B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-01C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B45-03A	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-03B	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-03C	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-03D	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-03G	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B47-01A	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-01B	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-01C	MI DWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
15A02-07	DELINEATOR POST, DELINEATOR BRACKET AND DELINEATOR
15C04-01	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C06-05	SIGNING & MARKING FOR TWO LANE BRIDGES
15C08-15A	PAVEMENT MARKING (MAINLINE)
15C08-15B	PAVEMENT MARKING (INTERSECTIONS)
15C12-03	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15C19-01A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY

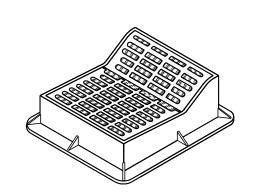
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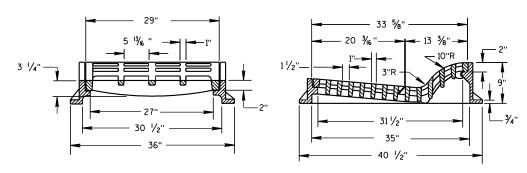
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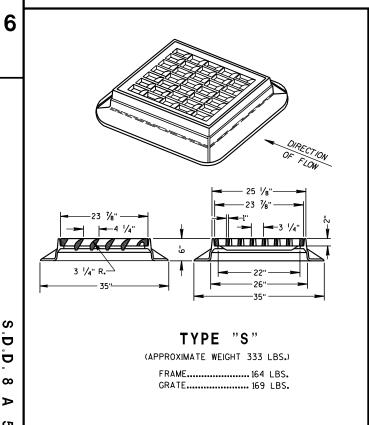


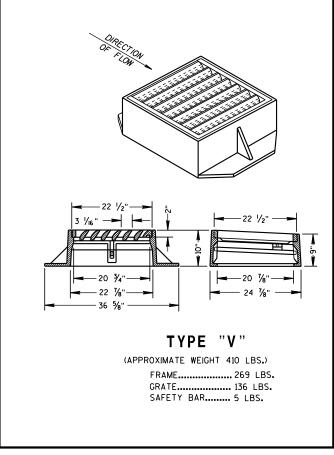
#### TYPE "F"

(APPROXIMATE WEIGHT 644 LBS.)

FRAME......302 LBS. GRATE......160 LBS. GRATE...... 182 LBS.

USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.



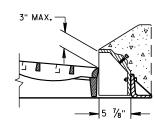


#### **GENERAL NOTES**

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

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

THE ACTUAL WEIGHT OF COVERS MAY VARY WITHIN 5 PERCENT, PLUS OR MINUS, OF

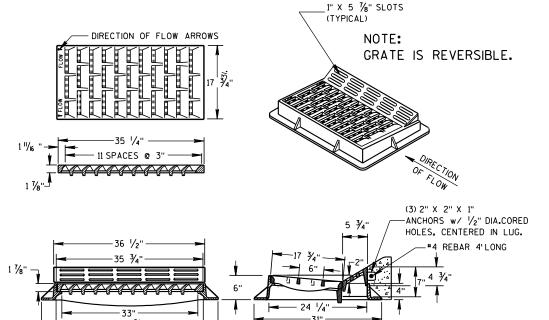


#### ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

(APPROXIMATE WEIGHT CURB BOX 68 LBS.)

USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

> NOTE: SPECIAL GRATE FOR THE TYPE "H" COVER MAY ALSO BE USED FOR THE TYPE "HM-GJ" COVER NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE



#### TYPE "HM"

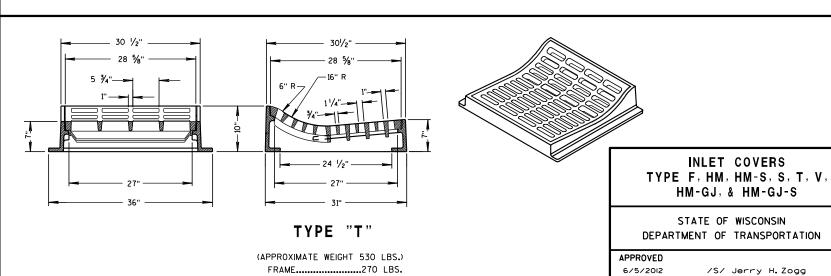
(APPROXIMATE WEIGHT 414 LBS.) FRAME...... 181 LBS. .....159 LBS. GRATE... CURB BOX..... 74 LBS.

NOTE: SPECIAL GRATE FOR THE TYPE "H" COVER MAY ALSO BE USED FOR THE TYPE "HM" COVER NOTED AS TYPE HM-S ON DRAINAGE TABLE

ROADWAY STANDARDS DEVELOPMENT ENGINEER

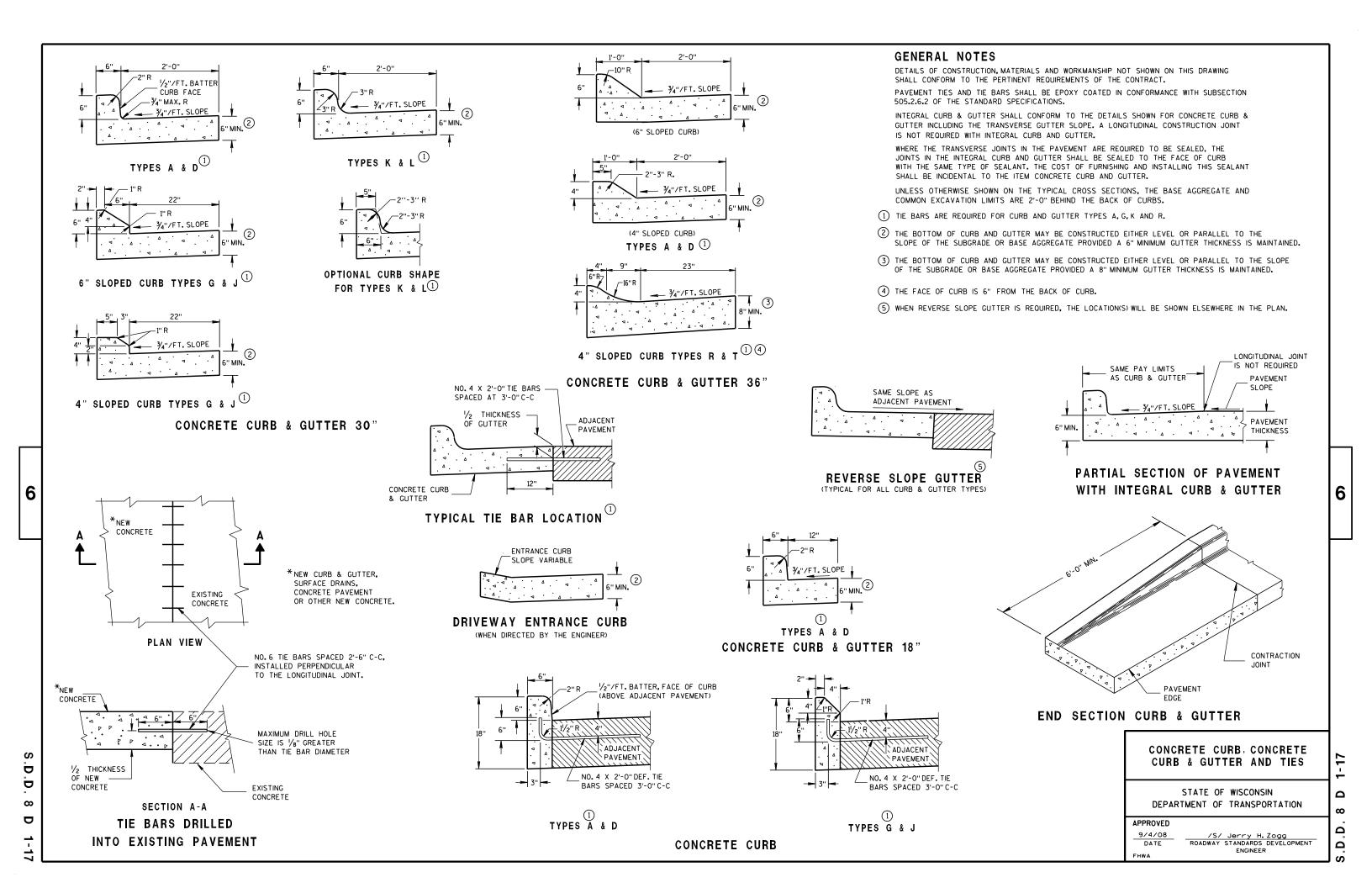
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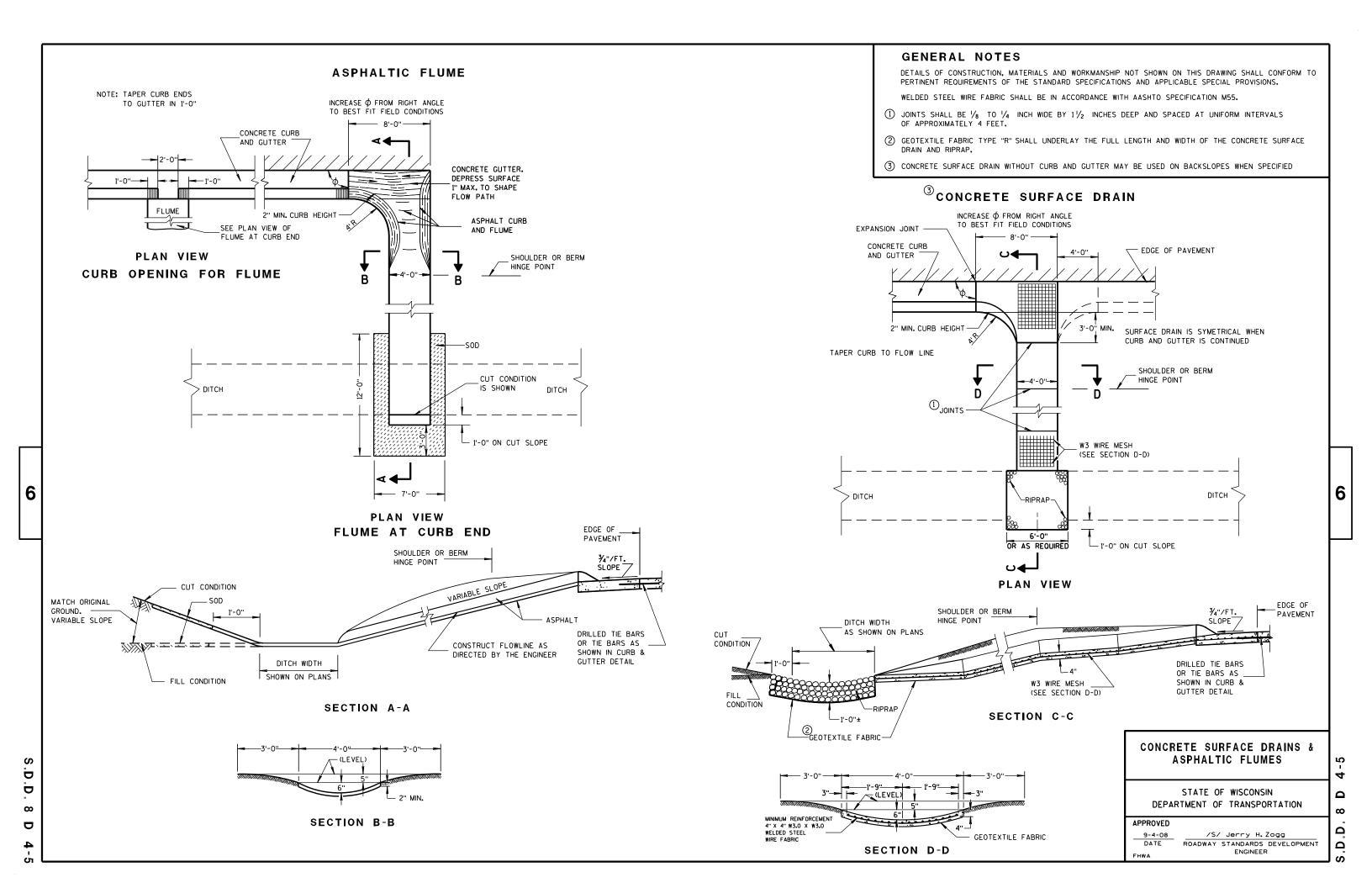
USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

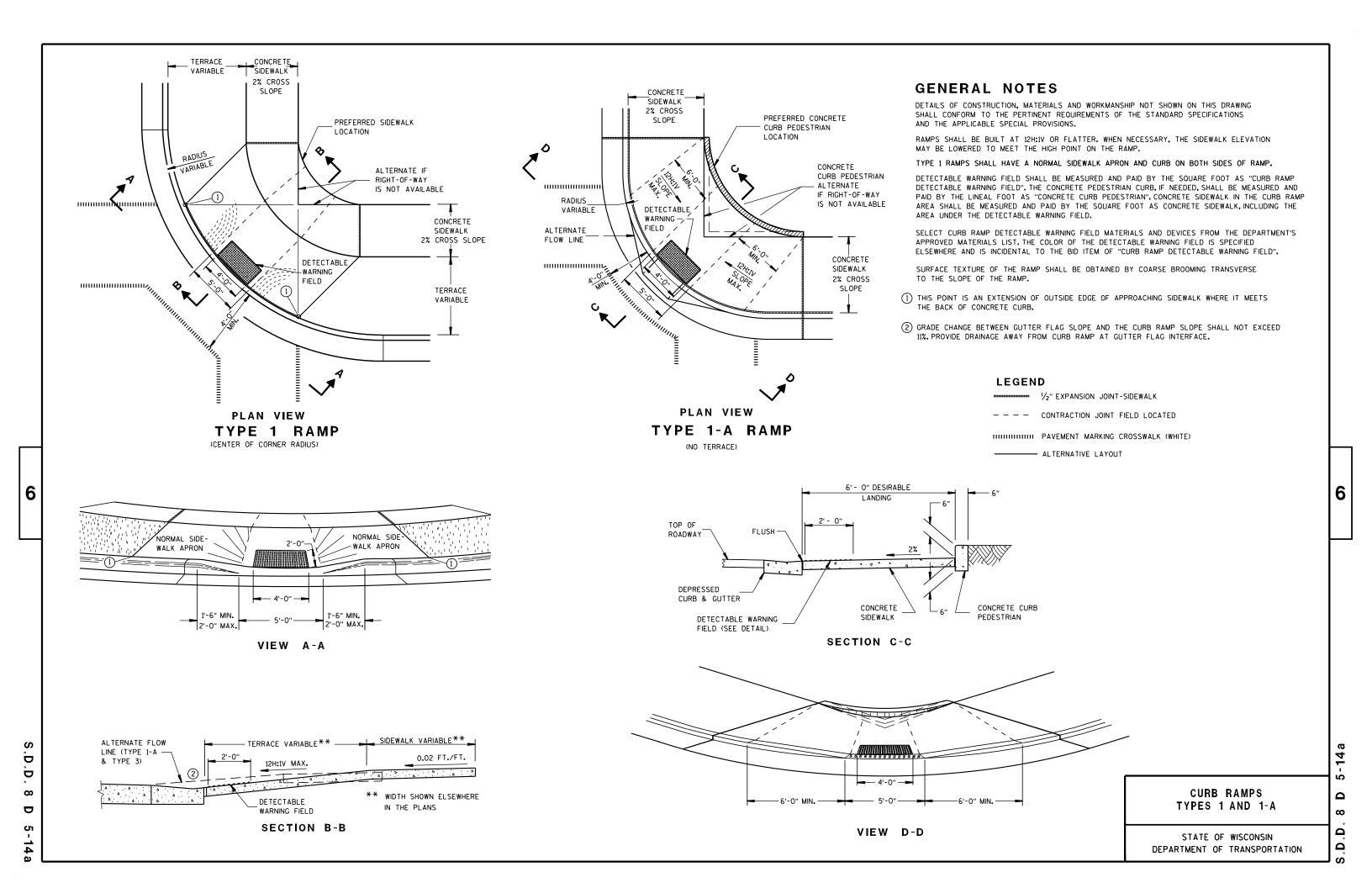


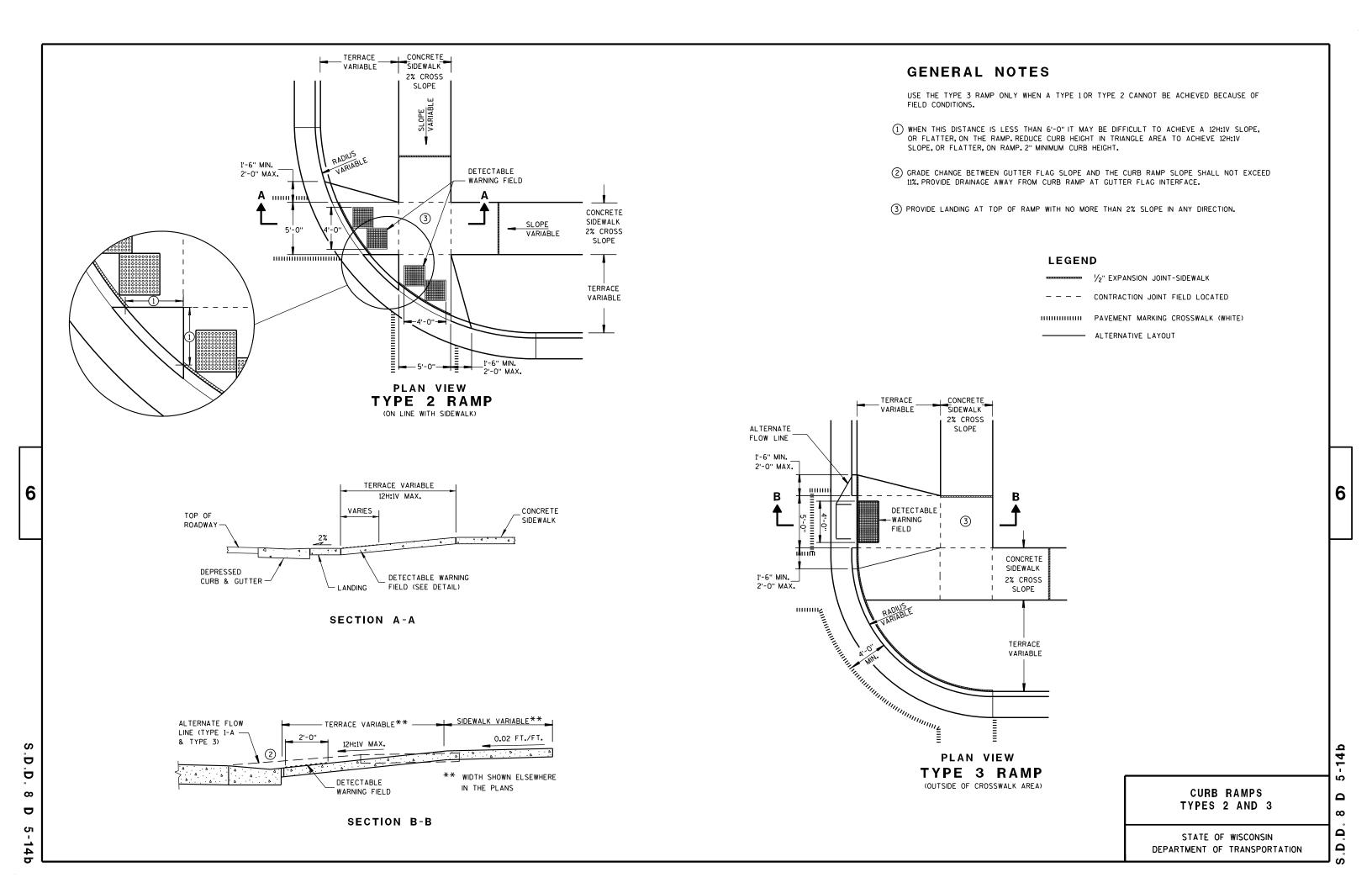
GRATE.....260 LBS.

USE WITH TYPES R & T CONCRETE CURB & GUTTER, 36 INCH.





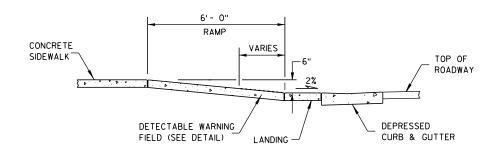




RADIUS POINT OF

CURB RETURN

## CURB RAMP TYPE 4A PLAN VIEW



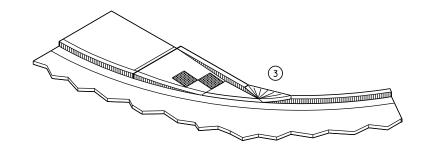
SECTION B-B

#### RADIUS $\boldsymbol{X}$ $\boldsymbol{Y}$ (AT CURB FACE) 20 FEET 6'-13/4" 2'-71/4" 30 FEET 7'-11<del>3</del>/4'' 4'-81/4" 40 FEET 9'-51/4" 6'-5" 50 FEET 10'-8¾" 7'-11'/4" 60 FEET 11'-10'/4" 9'-31/2"

INTERMEDIATE RADII CAN BE INTERPOLATED

# CONCRETE SIDEWALK CONCRETE CURB & GUTTER

SECTION A-A



**GENERAL NOTES** 

DO NOT MARK TRANSITION NOSE.

OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

RAMP SLOPES SHALL NOT BE STEEPER THAN 12:1.

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

3 INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS.)

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER

ISOMETRIC VIEW

# CONCRETE CURB PEDESTRIAN 6" VARIES O TO 6" ROADWAY CONCRETE RAMP CURB & GUTTER

SECTION C-C

#### LEGEND

1/2" EXPANSION JOINT-SIDEWALK

--- CONTRACTION JOINT FIELD LOCATED

HIHHHHHH PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPE 4A

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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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#### **GENERAL NOTES**

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

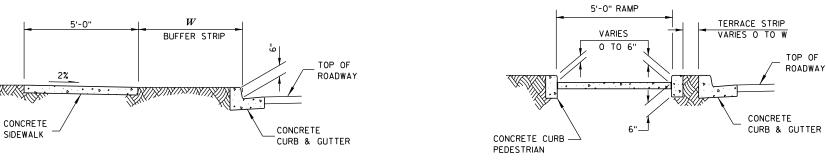
RAMP SLOPES SHALL NOT BE STEEPER THAN 12:1.

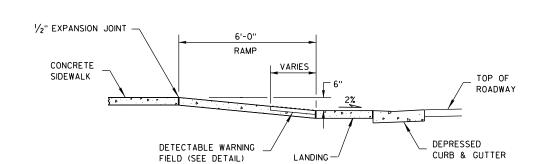
SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

RADIUS	W =	3'- 0"	W = 4' - 0"		W = 5' - 0"		W = 6' - 0"		W = 7' - 0"	
(AT CURB FACE)	X	Y	X	Y	X	Y	X	Y	X	Y
20 FEET	5'-51/2"	4'-6 <sup>1</sup> /2"	4'-81/2"	6'-0"	4'-1"	7'-23/4"	3'-7"	8'-31/2"	3'-11/2"	9'-2 <sup>1</sup> / <sub>2</sub> "
30 FEET	7'-3¾"	7'-1"	6'-51/2"	8'-111/2"	5'-91/4"	10'-7"	5'-2 <sup>1</sup> / <sub>2</sub> "	12'-0"	4'-8¾"	13'-3 <sup>1</sup> / <sub>4</sub> "
40 FEET	8'-91/2"	9'-2 <sup>1</sup> / <sub>2</sub> "	7'-10''	11'-5'/4"	7'-1"	13'-41/2"	6'-5¾"	15'-3/4"	5'-111/2"	16'-7 <sup>1</sup> /4"
50 FEET	10'-3/4''	11'-3/4"	9'-1/4"	13'-71/4"	8'-21/2"	15'-91/2"	7'-61/2"	17'-9"	6'-113/4"	19'-6'/4"
60 FEET	11'-2'/2"	12'-8¾"	10'-3/4"	15'-61/2"	9'-21/4"	17'-11¾"	8'-5¾"	20'-13/4"	7'-101/2"	22'-11/2"
70 FEET	12'-2¾"	14'-3'/4"	11'-1/4"	17'-4"	10'-1"	19'-11¾"	9'-3¾''	22'-41/4"	8'-81/4"	24'-6'/4"
80 FEET	13'-2"	15'-81/2"	11'-101/2"	18'-11¾"	10'-10¾"	21'-10"	10'-1"	24'-4¾"	9'-5"	26'-8¾''
90 FEET	14'- 1/2"	17'-1/2"	12'-8'/4"	20'-6 <sup>1</sup> / <sub>2</sub> "	11'-7¾4''	23'-7"	10'-9¾''	26'-3¾''	10'-1'/4"	28'-91/2"
100 FEET	14'-101/2"	18'-3¾''	13'-51/2"	22'-0"	12'-4 <sup>1</sup> / <sub>4</sub> "	25'-2¾''	11'-5¾''	28'-11/2"	10'-9"	30'-9"

INTERMEDIATE RADII CAN BE INTERPOLATED

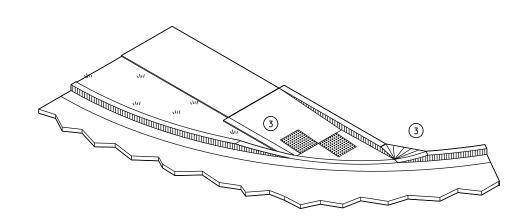
SECTION C-C





SECTION A-A

SECTION B-B



ISOMETRIC VIEW

#### **LEGEND**

TOP OF

ROADWAY

1/2" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

HIHIHIHIH PAVEMENT MARKING CROSSWALK (WHITE)

#### CURB RAMPS TYPE 4B

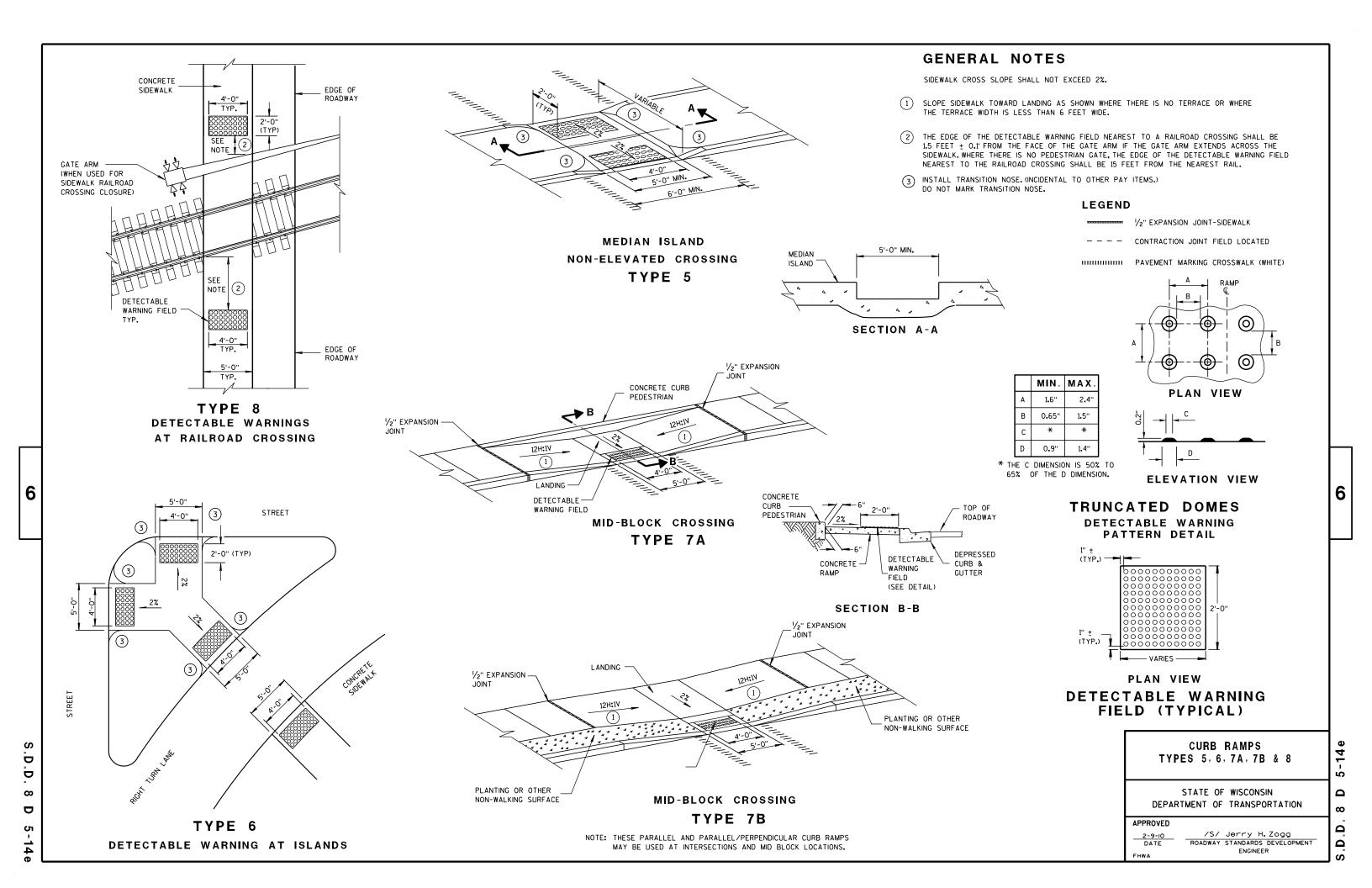
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

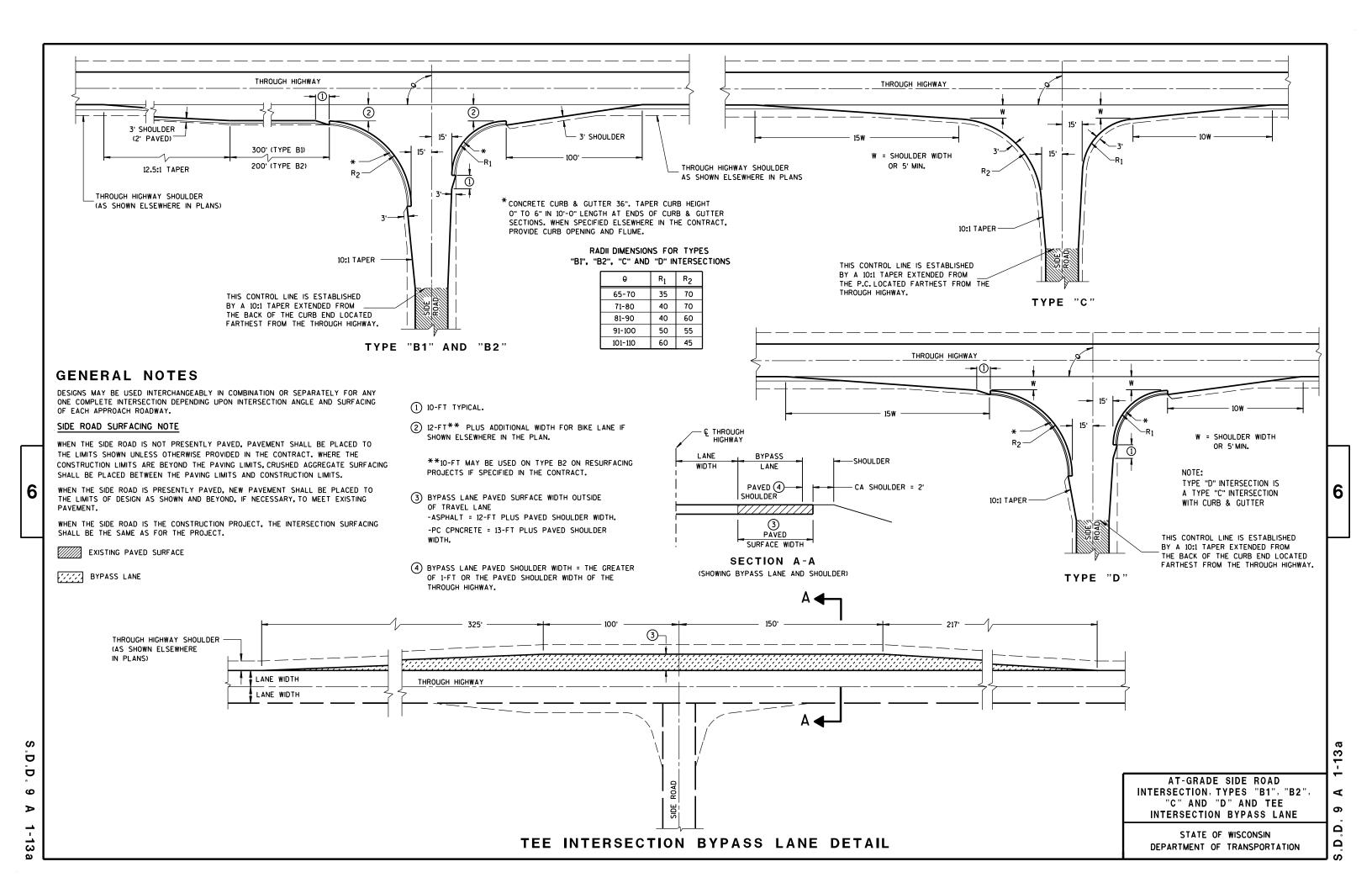
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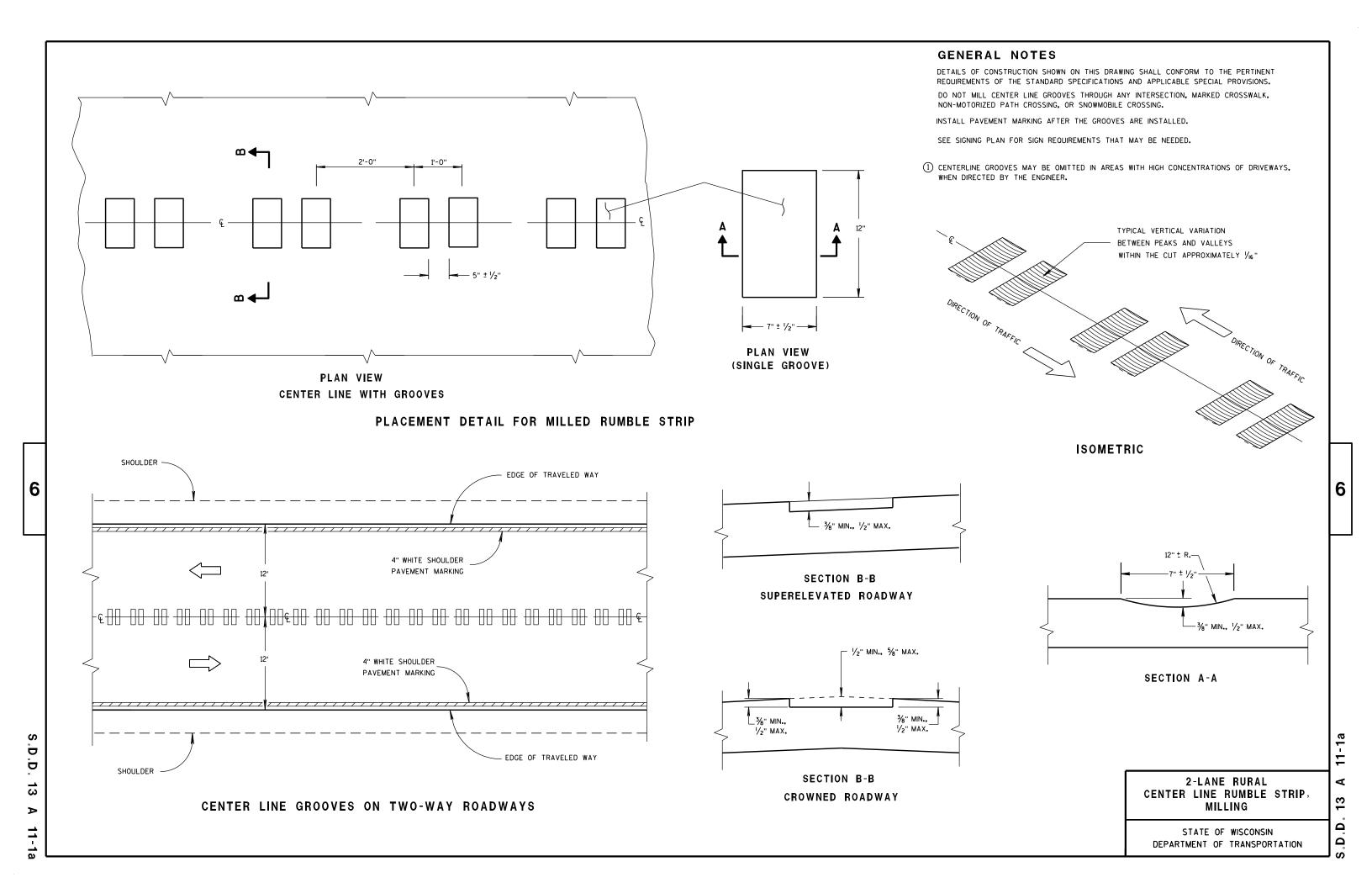
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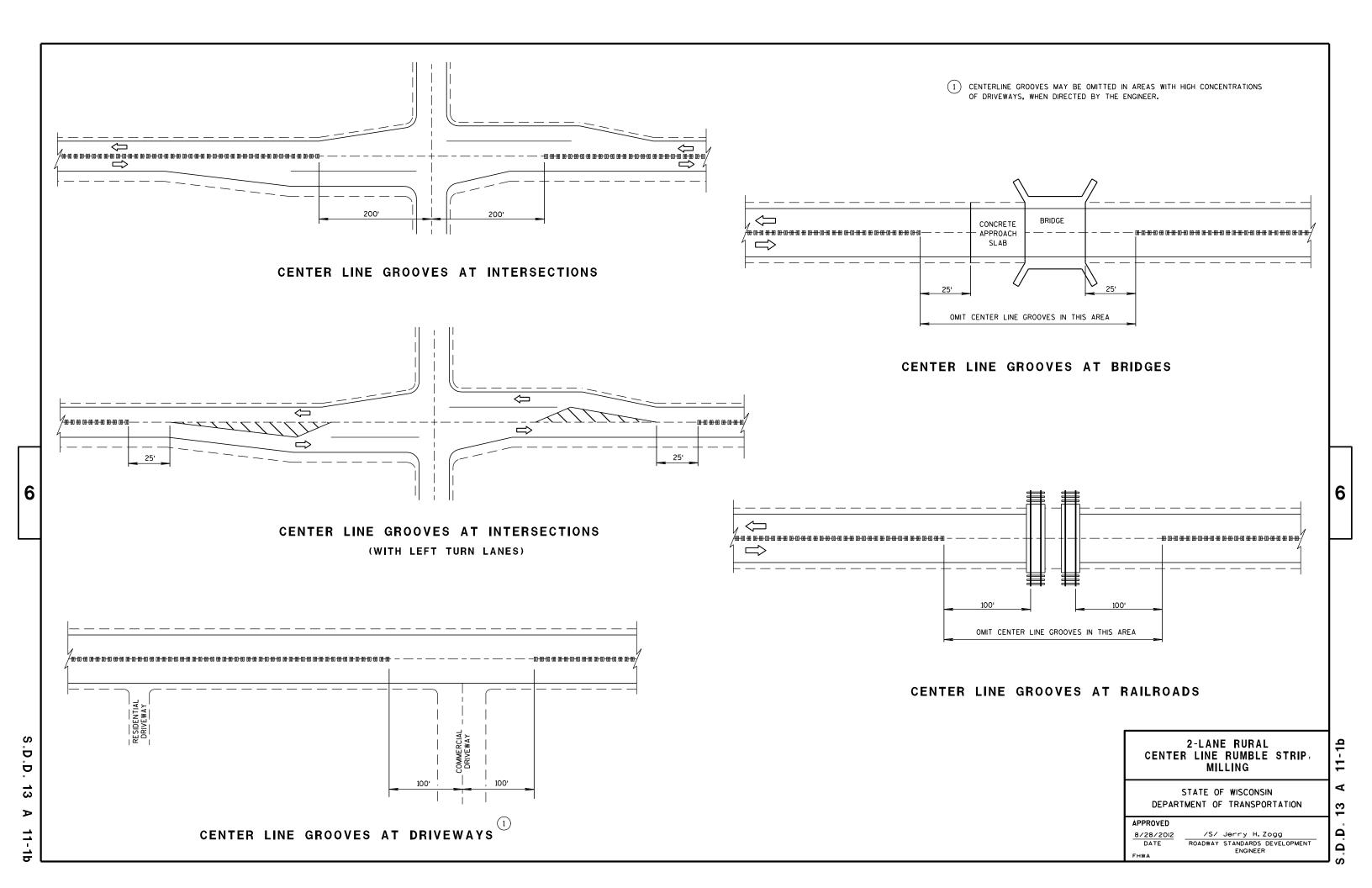
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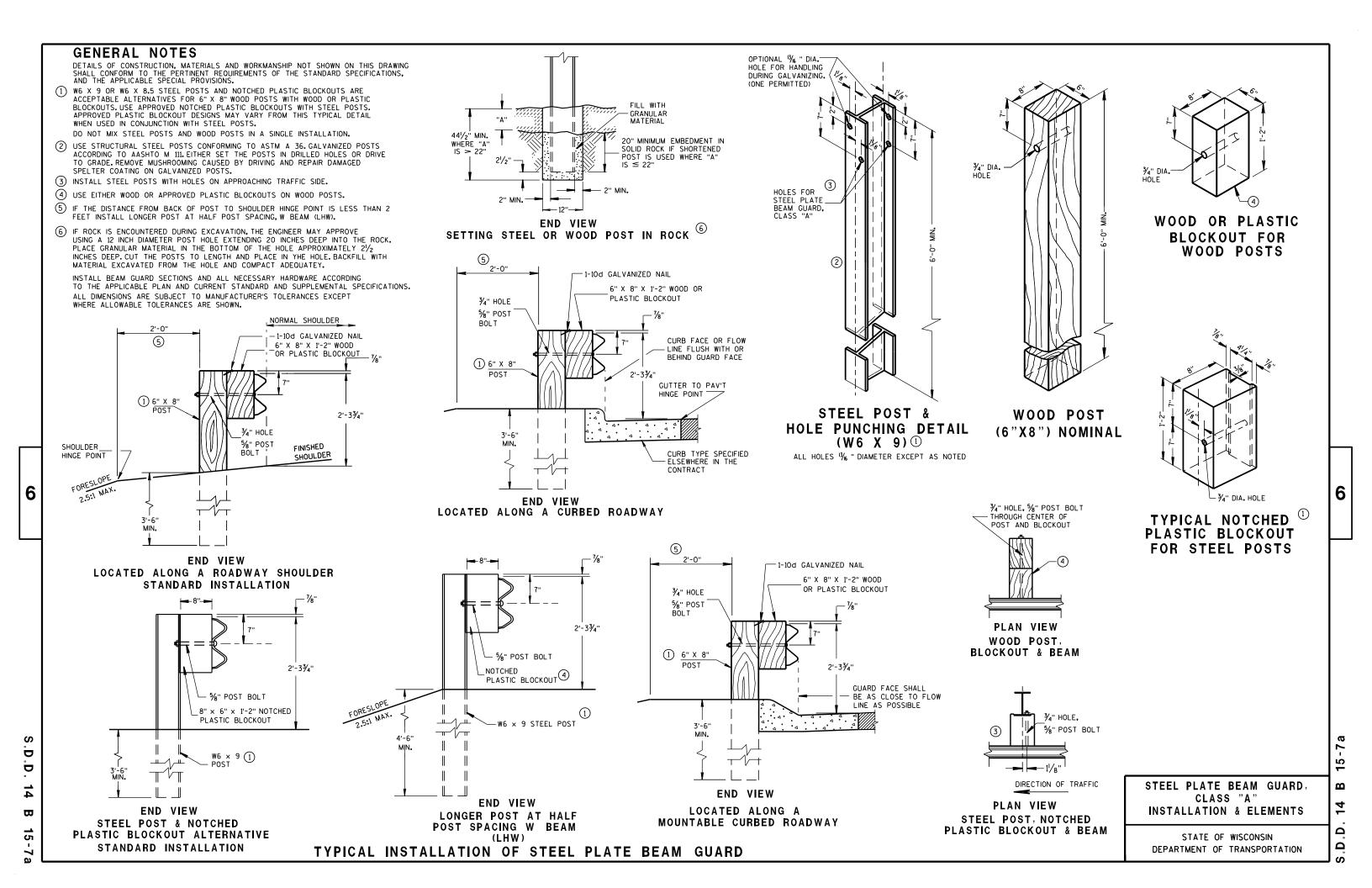
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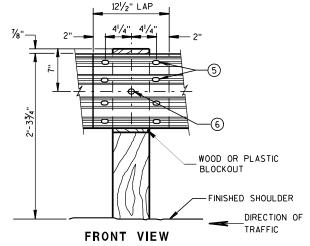




POST SPACING STANDARD INSTALLATION

SYMMETRICAL TABOUT € ∕-12 GAGE

SECTION THRU W BEAM



BEAM SPLICE AT WOOD POST AND POST MOUNTING DETAIL

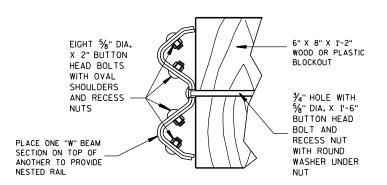
### **GENERAL NOTES**

- 1 PROVIDE TYPE "H" SILVER REFLECTIVE SHEETING ON ALL REFLECTORS EXCEPT THOSE LOCATED ALONG THE LEFT EDGE OF ONE-WAY ROADWAYS, WHICH SHALL BE PROVIDED WITH TYPE "H" YELLOW REFLECTIVE SHEETING.
- 2 DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.
- 3 REVERSE EVERY OTHER REFLECTOR FOR 2-WAY VISIBILITY. THE CONTRACTOR MAY FURNISH TWO-SIDED REFLECTORS IN LIEU OF ONE-SIDED REFLECTORS.
- 4 PROVIDE AN ANGLE OF BEND OF 90° ± 1° FOR TWO-SIDED REFLECTORS.
- (5) 8 % "  $\phi$  X 2 " BUTTON HEAD BOLTS WITH OVAL SHOULDERS & RECESS NUTS.
- 6  $\frac{1}{8}$ "  $\phi$  X 1'-6" BUTTON HEAD BOLT AND AND RECESS NUT WITH ROUND WASHER UNDER NUT.

### 121/2" LAP $\frac{3}{4}$ " × $2\frac{1}{2}$ " POST BOLT SLOT . Ç POST BOLT SLOT " × 1 1/8" NOTCHED SPLICE BOLT SLOT PLASTIC -BLCKOUT DIRECTION OF TRAFFIC

FRONT VIEW BEAM SPLICE AT STEEL POST

### TYPICAL SPLICING DETAILS OF STEEL PLATE BEAM GUARD



**NESTED W BEAM (NW)** 

USE ALL OTHER STANDARD BEAM GUARD DETAILS FOR CONSTRUCTING NESTED W BEAM (NW)

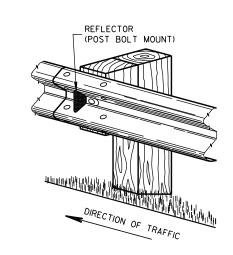
	-	12'-6" OF		-	1
		EFFECTIVE LEN	NGTH OF BEAM		
	3'-1 <sup>1</sup> / <sub>2</sub> " C-C	3'-1 <sup>l</sup> / <sub>2</sub> " C-C	3'-1 <sup>1</sup> / <sub>2</sub> " C-C	3'-1 <mark>/</mark> 2" C-C	
İ	POST SPACING	POST SPACING	POST SPACING	POST SPACING	
			•	•	
	-	+ +			2'-3¾''
				NICATION DIDECTION	
	FINIS SHOL	HED/ JLDER		DIRECTION TRAFFIC	N OF
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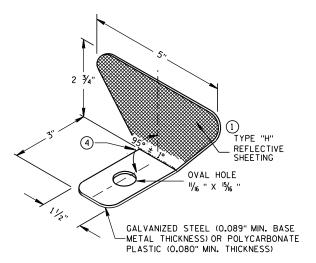
FRONT VIEW

### POST SPACING FOR LONGER POST AT HALF POST SPACING W BEAM (LHW)

### REFLECTOR SPACING

			0	
	BEAM GUARD	REFLECTOR	NO. SURFACES	MIN. NO.
	LENGTH	SPACING	REFLECTORIZED	REFLECTORS
ONE WAY	< 200'	50' C-C	1	3
TRAFFIC	> 200'	100, C-C	1	
TWO WAY	< 200'	25' C-C	1(3)	6
TRAFFIC	> 200'	50' C-C	1 🔍	
TWO WAY	< 200'	50' C-C	2(4)	3
TRAFFIC	> 200'	100' C-C	2 4	





ONE SIDED REFLECTOR DETAIL AND TYPICAL INSTALLATION

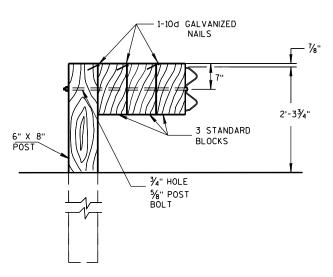
STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION 6

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- 1-10d GALVANIZED NAILS

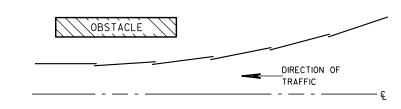


### DETAIL FOR TRIPLE BLOCKS

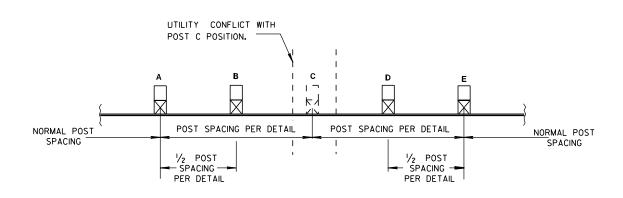
TRIPLE BLOCK DETAIL IS LIMITED TO ONE LOCATION WITHIN A BEAM GUARD RUN.

NOTES: USE DOUBLE OR TRIPLE BLOCKS WHEN UNDERGROUND OBSTACLES PREVENT THE POST FROM BEING INSTALLED.

DO NOT USE EXTRA BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.



## PLAN VIEW BEAM LAPPING DETAIL



POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION

STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

5/23/II /S/ Jerry H. Zogg
DATE ROADWAY STANDARDS DEVELOPMENT
ENGINEER

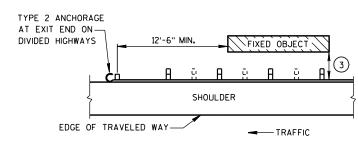
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### BEAM GUARD AT SIDEROADS OR DRIVEWAYS



BEAM GUARD AT OBSTACLES **EXIT END - ONE WAY TRAFFIC** 

### **GENERAL NOTES**

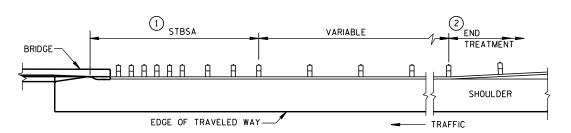
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE PERTINENT STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL

W6 X 9 OR W6 X 8.5 STEEL POSTS WITH NOTCHED PLASTIC BLOCKOUTS ARE ACCEPTABLE ALTERNATIVES FOR 6" X 8" WOOD POSTS WITH WOOD OR PLASTIC BLOCKOUTS. USE APPROVED NOTCHED PLASTIC BLOCKOUTS WITH STEEL POSTS.

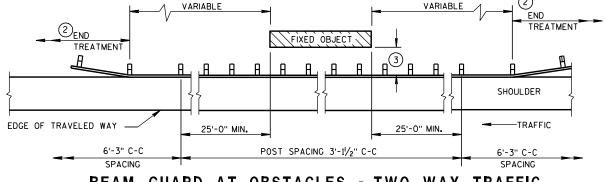
THE LOCATIONS AND LENGTHS OF BEAM GUARD ARE SHOWN ELSEWHERE IN THE PLAN.

- (1) STEEL THRIE BEAM STRUCTURAL APPROACH (STBSA) SEE CURRENT SDD 14B20.
- 2 USE AN APPROVED END TREATMENT FOR THE TRAFFIC APPROACH SIDE OF BRIDGE/OBSTACLES. USE TYPE 2 ANCHORAGE ONLY AT THE DOWNSTREAM ENDS OF BEAM GUARD LOCATED ALONG ROADWAYS WITH ONE WAY TRAFFIC.

3	MINIMUM LATERAL DISTANCE FROM FACE OF BEAM GUARD TO FIXED OBJECT	POST SPACING
	3'-6"	3' - 11/2"
	4'-6"	6' - 3"



BEAM GUARD AT FULL WIDTH BRIDGES



BEAM GUARD AT OBSTACLES - TWO WAY TRAFFIC

(RAIL TO OBSTACLE CLEARANCE 3'-6" TO 4'-6")

END TP 1 STBSA VARIABLE TREATMENT BEGIN FLARE END FLARE → EDGE OF FINISHED SHOULDER BRIDGE->SHOULDER **─** TRAFFIC EDGE OF TRAVELED WAY -FLARE RATE PER TABLE 1 AT RIGHT (FLARE RATES FOR BEAM GUARD AT NARROW BRIDGES)

BEAM GUARD AT NARROW BRIDGES (FLARED TO SHOULDER EDGE, THEN PARALLEL TO ROADWAY)

TABLE 1 FLARE RATES FOR BEAM **GUARD AT NARROW BRIDGES** 

POSTED SPEED (MPH)	FLARE RATE
25	13:1
30	15:1
35	16:1
40	18:1
45	21:1
50	24:1
55	26:1
65	30:1

STEEL PLATE BEAM GUARD CLASS "A' AT BRIDGES, OBSTACLES AND SIDEROADS/DRIVEWAYS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED	
8-21-07	/S/ Jerry H.Zogg
DATE	ROADWAY STANDARDS DEVELOPMENT
FHWΔ	ENGINEER

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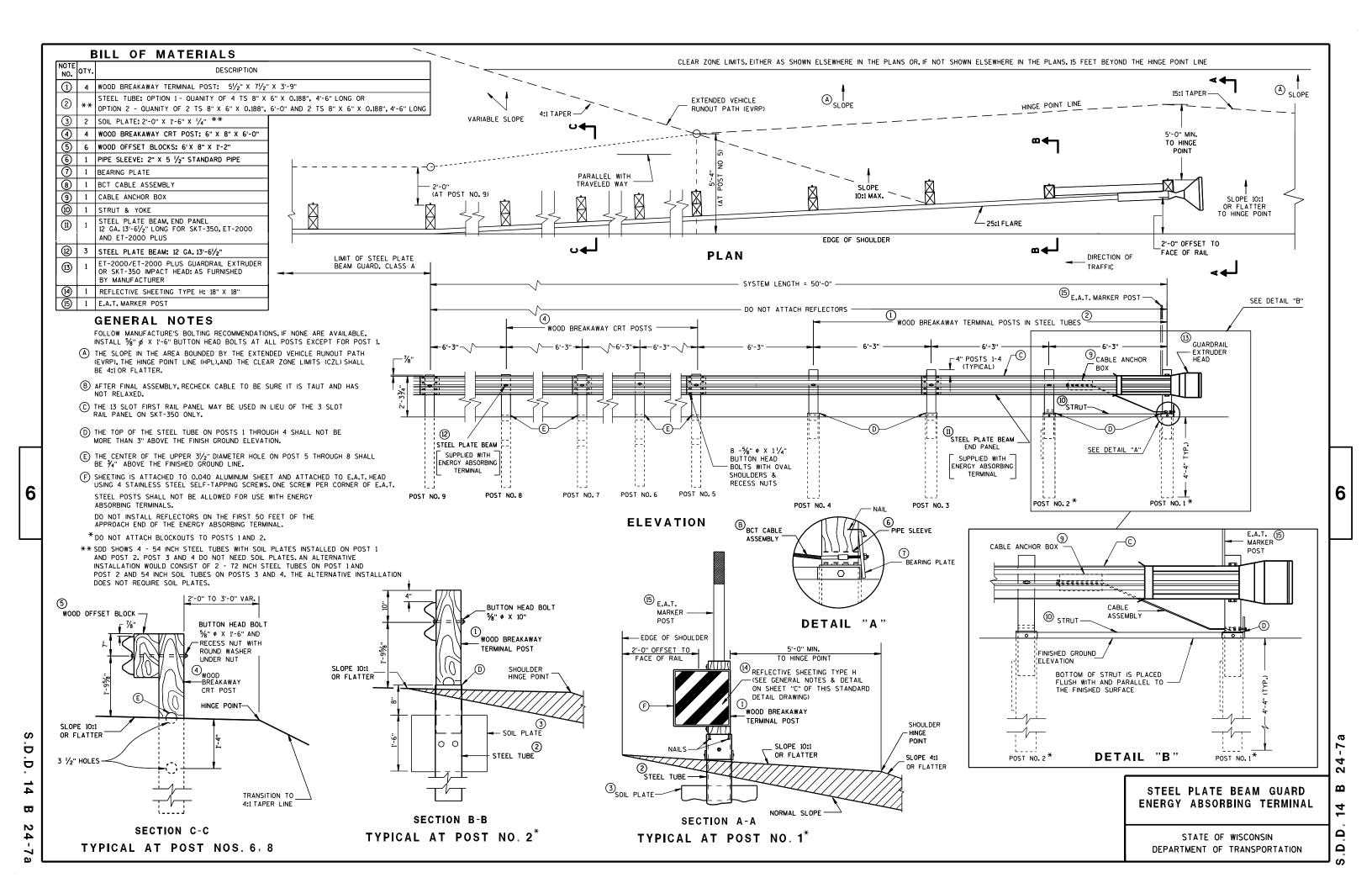
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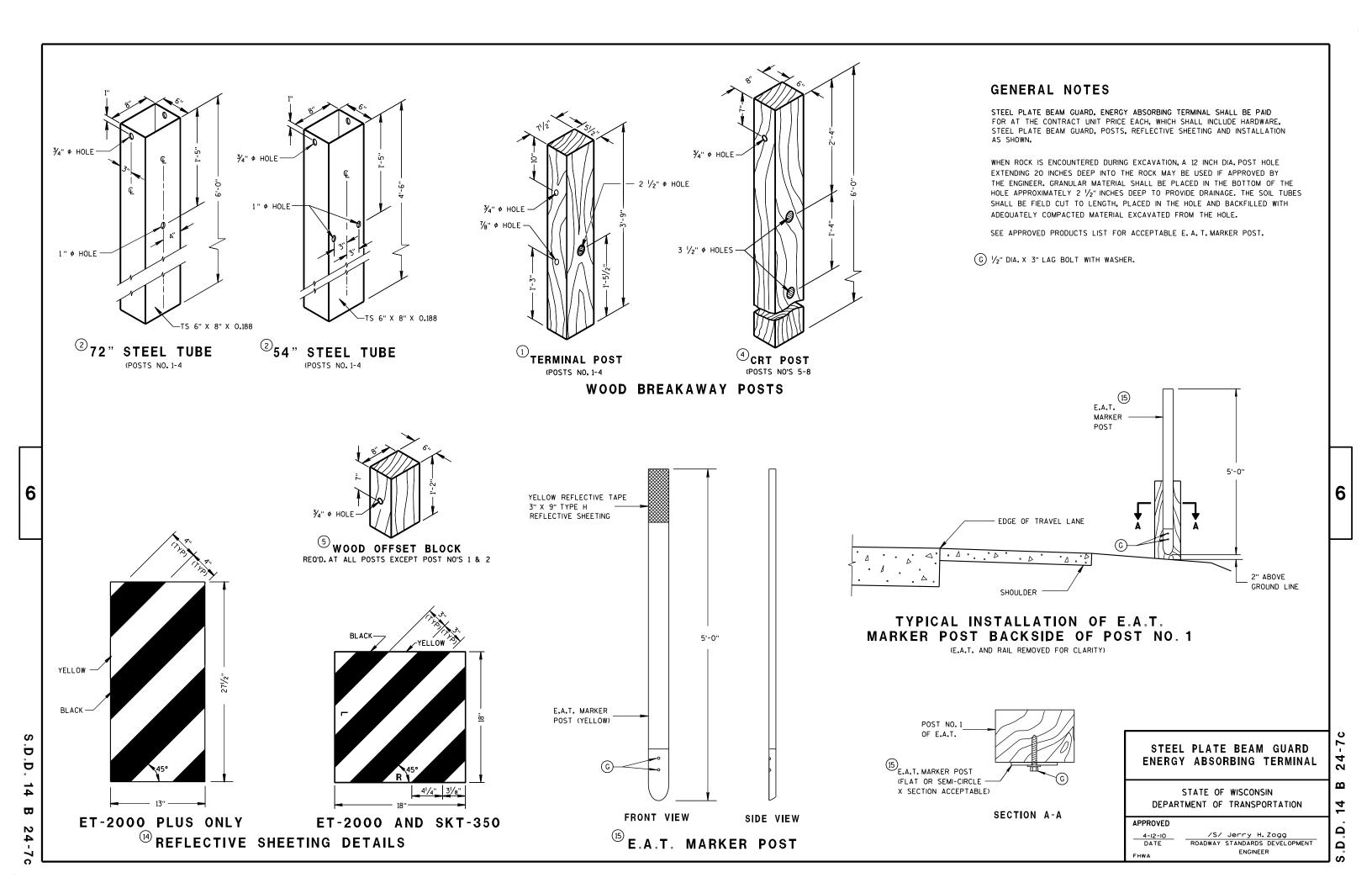
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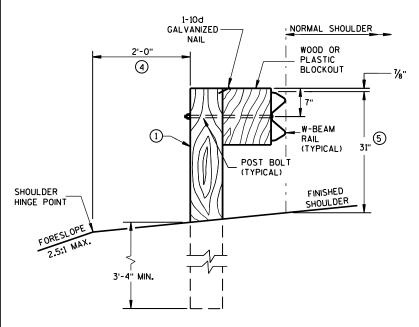
STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION



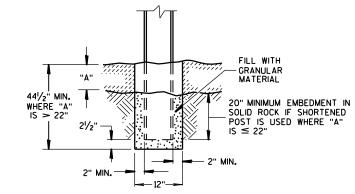
### **GENERAL NOTES**

- (1) WOOD OR STEEL POSTS (W6X9 OR W6X8.5) MAY BE USED. DO NOT INTERMIX WOOD AND STEEL POSTS. INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.
- ② USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.
- (3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 21/2INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL IS TO BE FREE OF LARGE ROCKS.
- (4) WHEN THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING (K).
- (5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ± 1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27¾" TO 32".

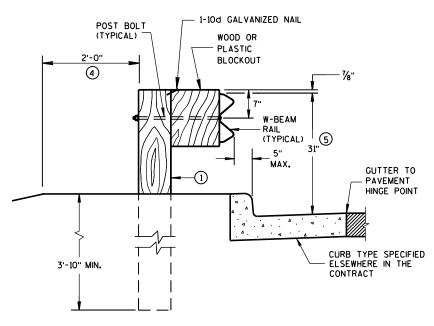


**END VIEW** 

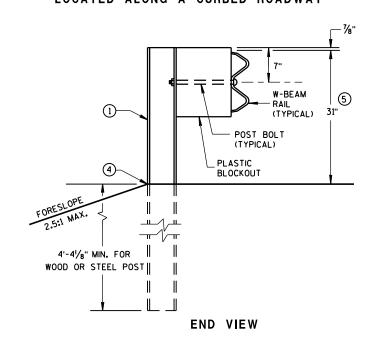
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



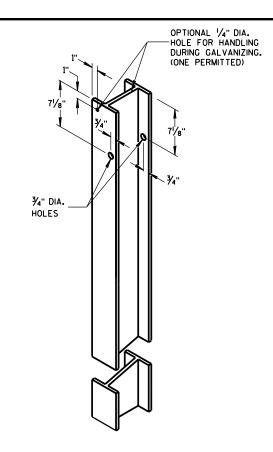
SETTING STEEL OR WOOD POST IN ROCK  $^{\scriptsize{\textcircled{3}}}$ 



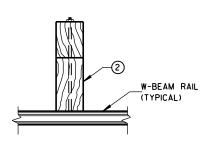
END VIEW
LOCATED ALONG A CURBED ROADWAY



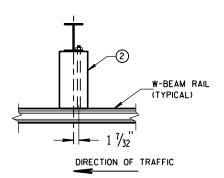
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



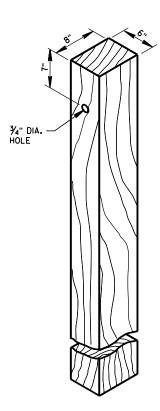
STEEL POST & HOLE PUNCHING DETAIL (w6X9)



PLAN VIEW
WOOD POST,
BLOCKOUT & BEAM



PLAN VIEW
STEEL POST,
PLASTIC BLOCKOUT & BEAM



WOOD POST (6" X 8") NOMINAL



WOOD OR PLASTIC BLOCKOUT

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S.D.D.

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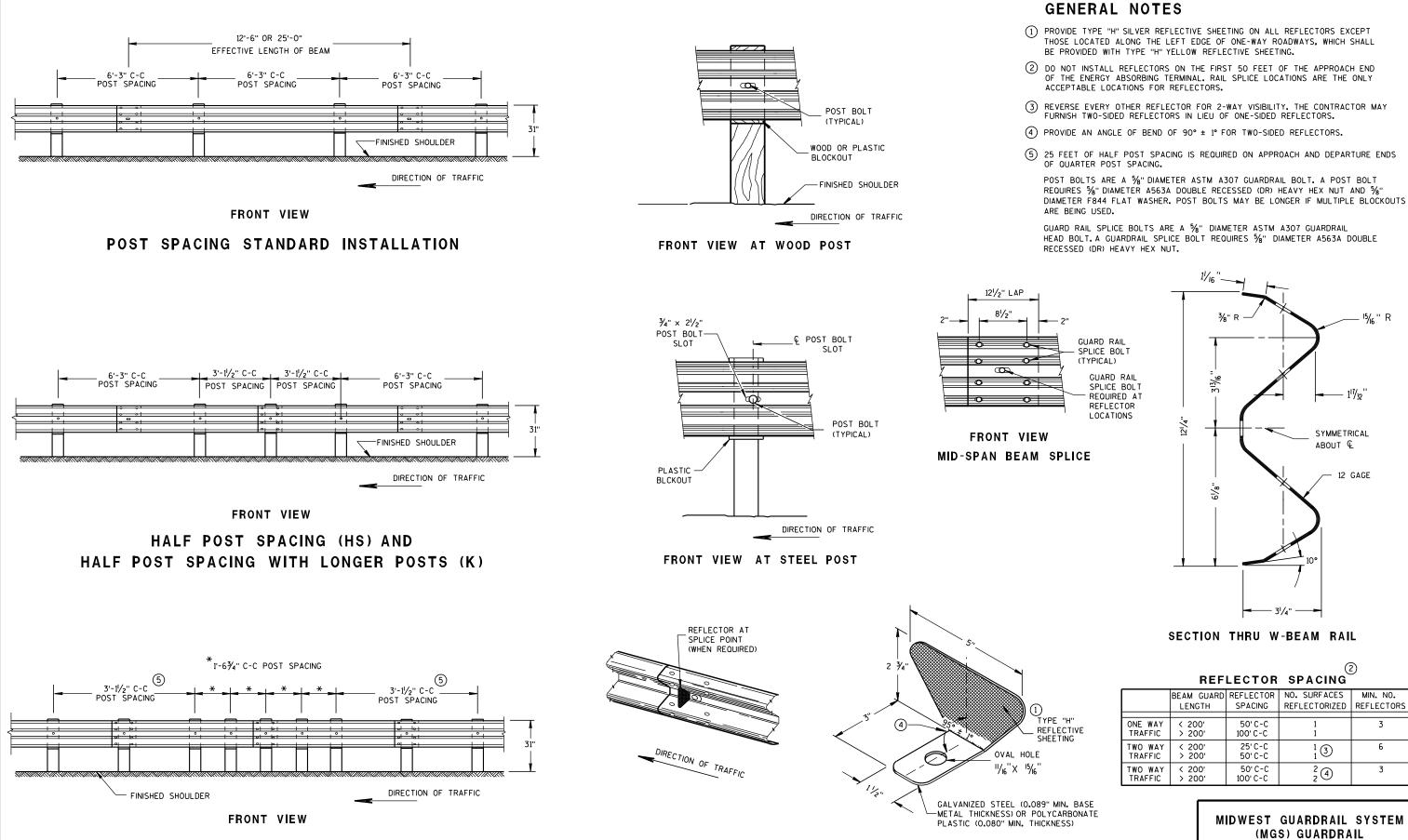
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ONE SIDED REFLECTOR DETAIL AND TYPICAL INSTALLATION

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QUARTER POST SPACING (QS)

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SYMMETRICAL

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ABOUT €

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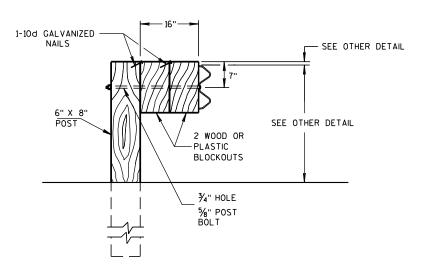
BEAM GUARD REFLECTOR NO. SURFACES MIN. NO.

SPACING | REFLECTORIZED | REFLECTORS 3 6 1 3 24 3

> MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

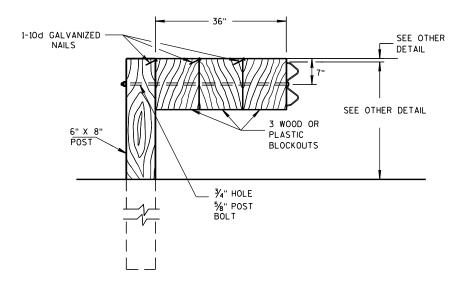
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION Ω Δ

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### DETAIL FOR 16" BLOCKOUT DEPTH

IT IS ACCEPTABLE TO USE BLOCKOUTS UP TO 16" DEEP TO INCREASE THE POST OFFSET TO AVOID UNDERGROUND OBSTACLES. THERE IS NO LIMIT TO THE NUMBER OF POSTS THAT CAN HAVE ADDITIONAL BLOCKOUTS UP TO 16" DEEP.



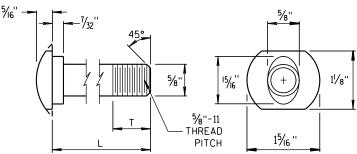
### DETAIL FOR 36" BLOCKOUT DEPTH

NOTES: UNDER SPECIAL CIRCUMSTANCES, SUCH AS AVOIDING OBSTACLES THAT ARE NOT RELOCATED, IT IS ACCEPTABLE TO INSTALL ADDITIONAL BLOCKOUTS TO OBTAIN UP TO 36" DEPTH FOR ONE OR TWO POSTS IN A SECTION OF GUARDRAIL.

DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

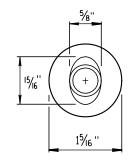
NOTE: 1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF 1/16".

2. IF THE BOLT EXTENDS MORE THAN 1/4" FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.

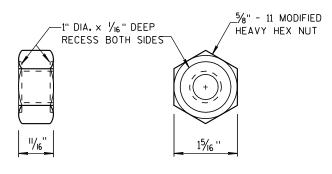


#### POST BOLT TABLE

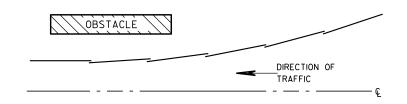
L	T (MIN.)
11/4"	1 1/8"
2"	13/4"
10"	4"
14"	4½ <sub>6</sub> "
18"	4"
21"	4½ "
25"	4"



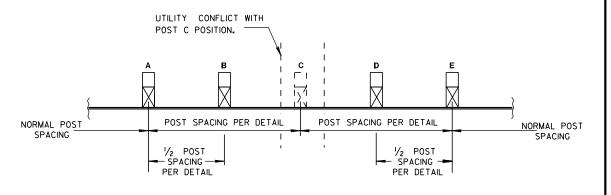
ALTERNATE BOLT HEAD



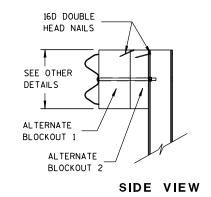
POST BOLT AND RECESS NUT

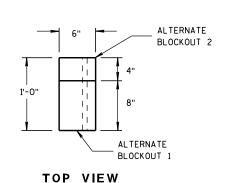


# PLAN VIEW BEAM LAPPING DETAIL



## POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION





ALTERNATE WOOD BLOCKOUT DETAIL

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

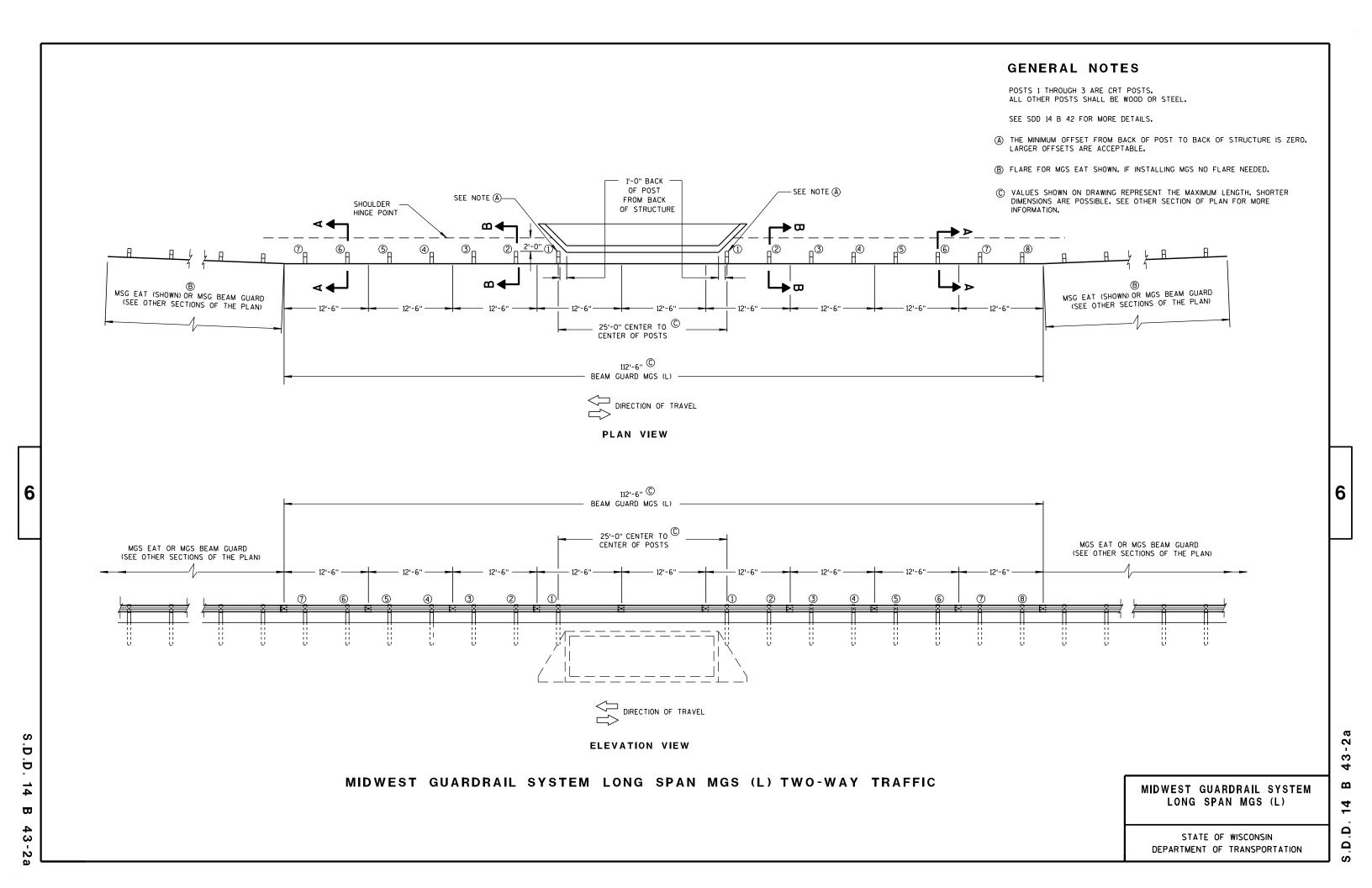
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

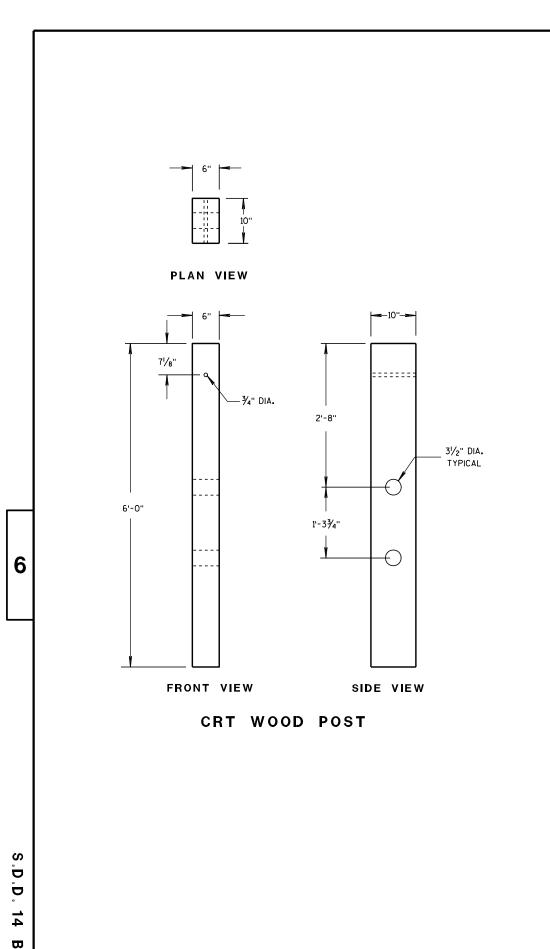
APPROVED

II/15/20II /S/ Jerry H. Zogg

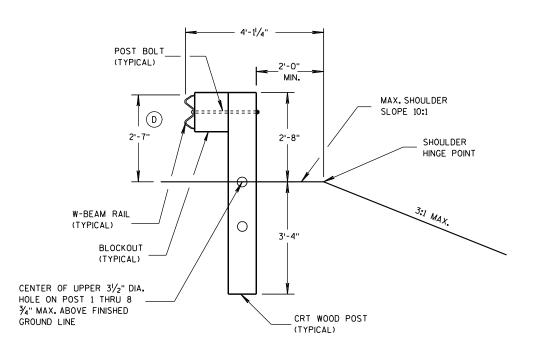
DATE ROADWAY STANDARDS DEVELOPMENT ENGINEER

.D.D. 14 B 42-2c

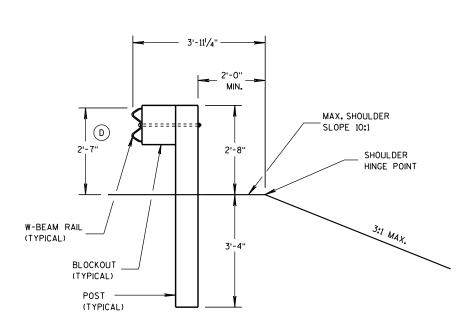




43



SECTION B-B POSTS NO. 1-3 SEE OTHER DETAILS



SECTION A-A POSTS NO. 4-8

SEE OTHER DETAILS

### **GENERAL NOTES**

D TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".

MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)

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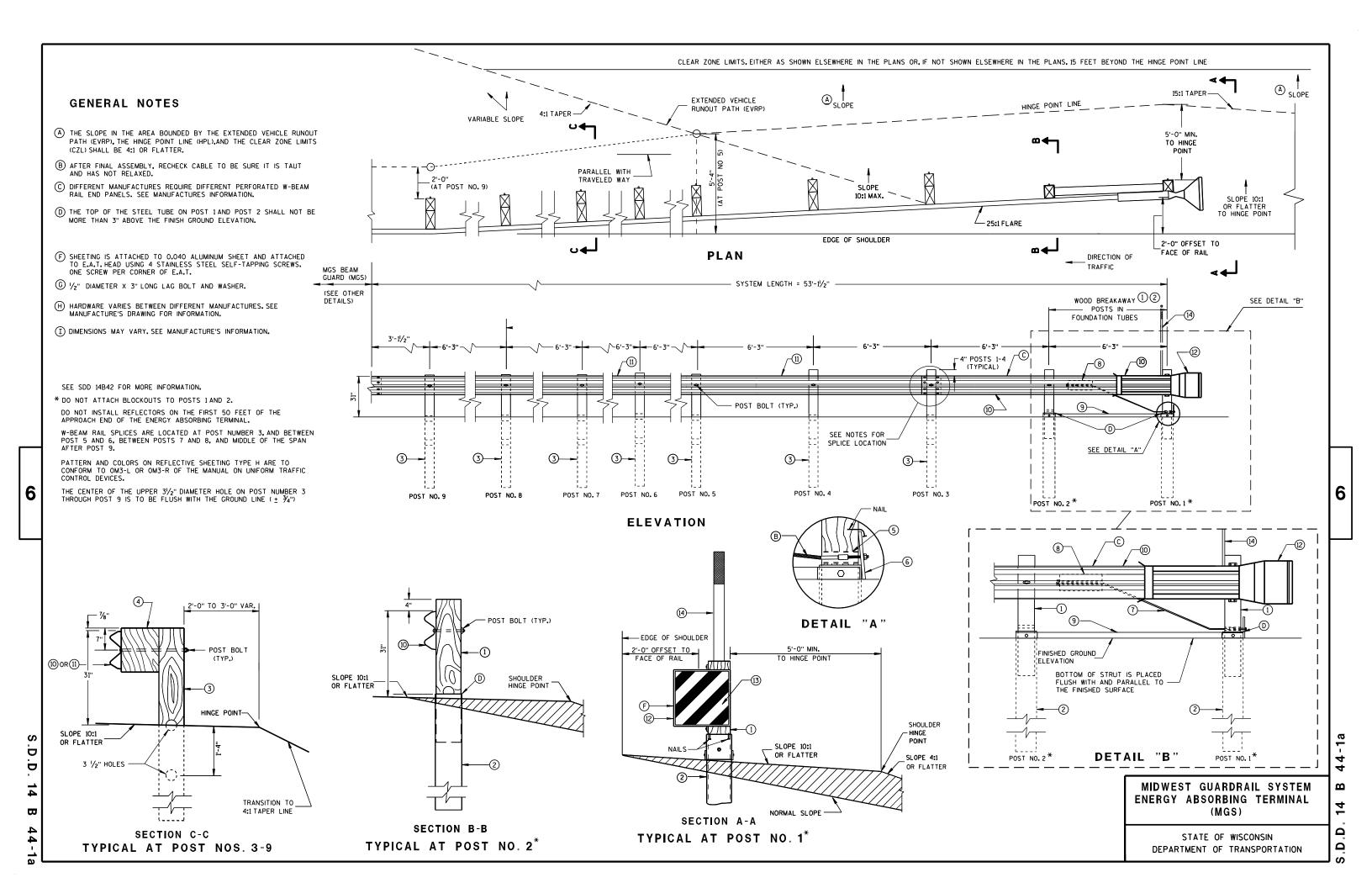
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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

8/31/2012 /S/ Jerry H. Zogg ROADWAY STANDARDS DEVELOPMENT ENGINEER



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GENERIC ANCHOR CABLE BOX

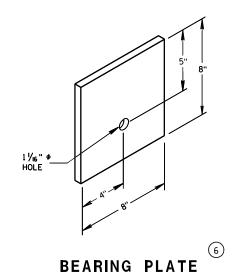
GENERIC GROUND STRUT

9 H

PLAN VIEW

### **BILL OF MATERIALS**

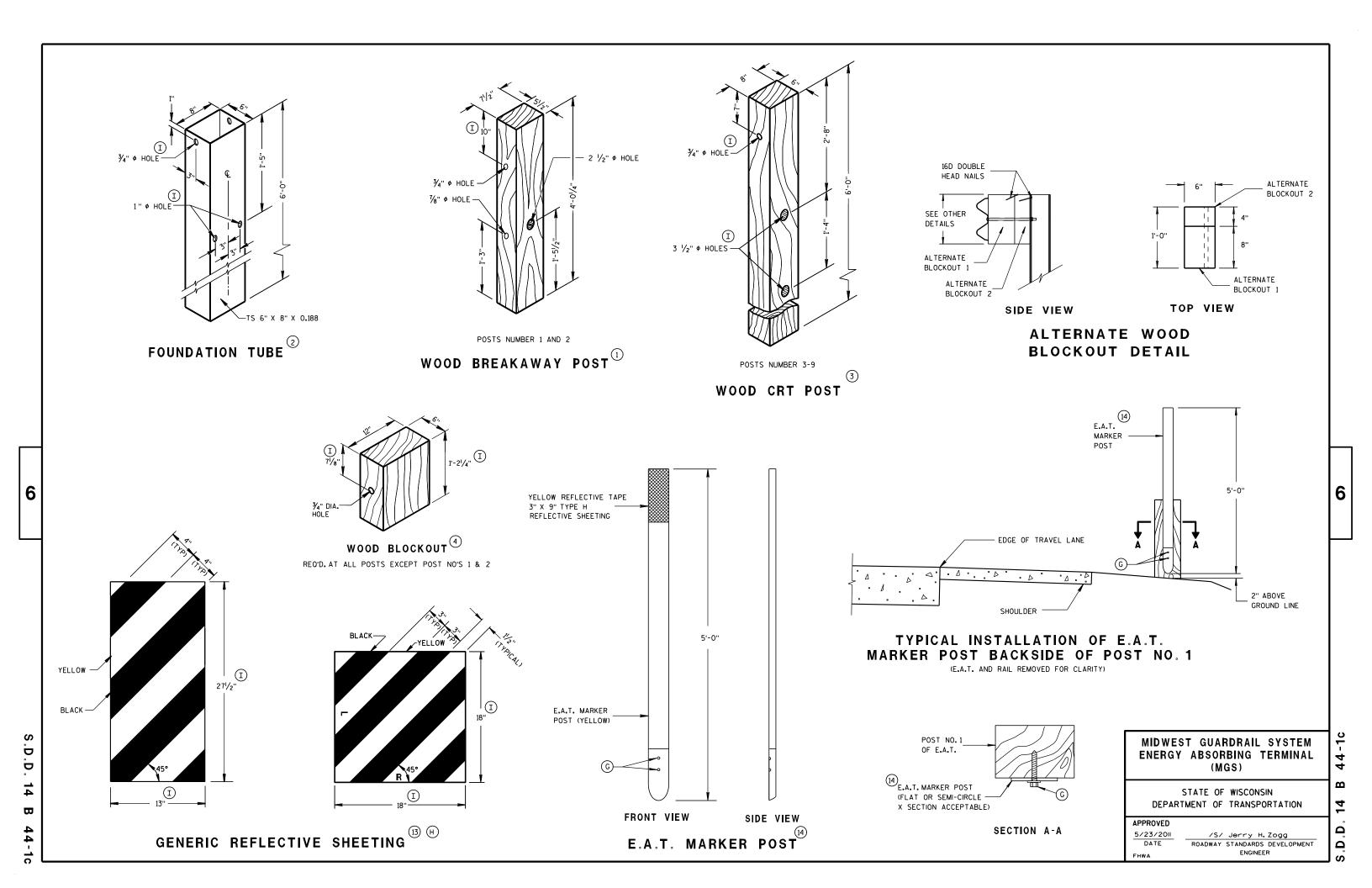
PART NO.	DESCRIPTION  MATERIALS PROVIDED BY MGS EAT MANUFACTURER. SEE MANUFACTURER'S DETAILS FOR MORE INFORMATION.
1	WOOD BREAKAWAY POST
@	6" X 8" X 0.188", 6'-0" LONG FOUNDATION TUBE AT POSTS 1AND 2
3	WOOD CRT
4	WOOD BLOCKOUT
(5)	PIPE SLEEVE
6	BEARING PLATE
7	BCT CABLE ASSEMBLY
8	ANCHOR CABLE BOX
9	GROUND STRUT
10	PERFORATED W-BEAM RAIL END PANEL, 12'-6" LONG.
(1)	STANDARD W-BEAM RAIL.MULTIPLE SECTIONS REQUIRED. SECTIONS VARY IN LENGTH.
(2)	END SECTION EAT
13)	0.040" ALUMINUM SHEET WITH REFLECTIVE SHEETING TYPE H (ONLY THE SHEETING IS SUPPLIED BY THE MANUFACTURER)
14)	EAT MARKER POST - YELLOW (SEE APPROVED PRODUCTS LIST)

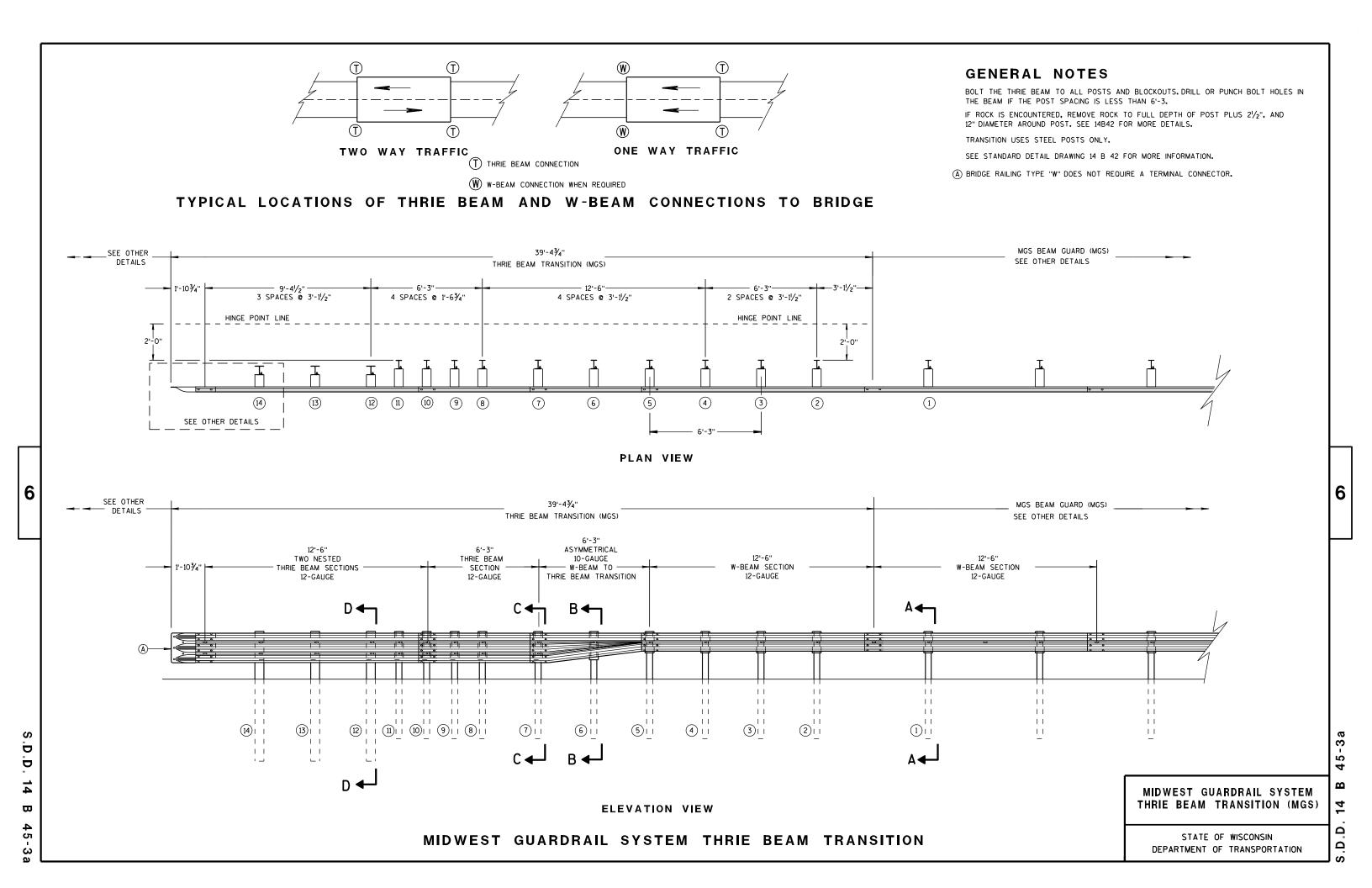


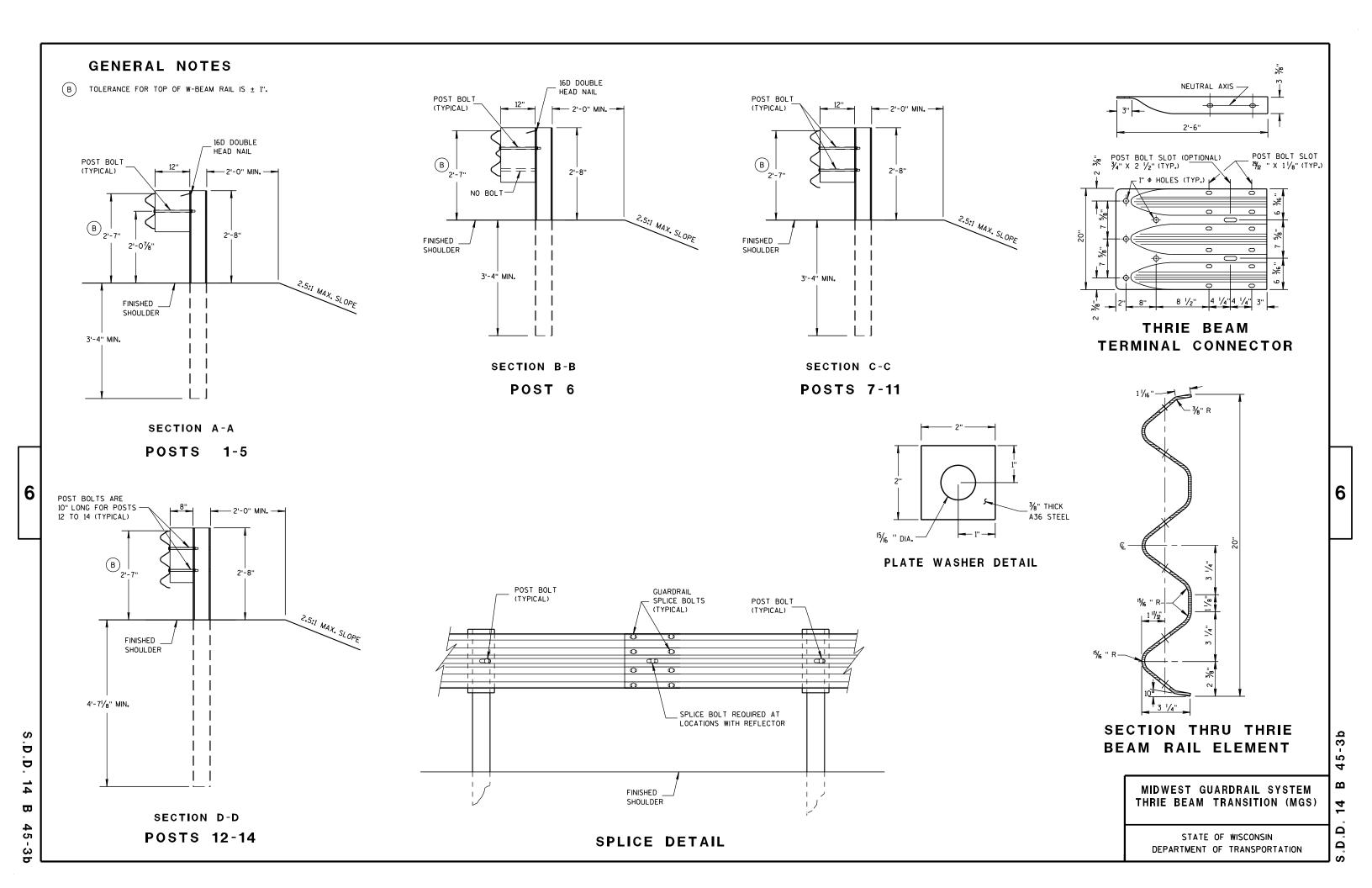
MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

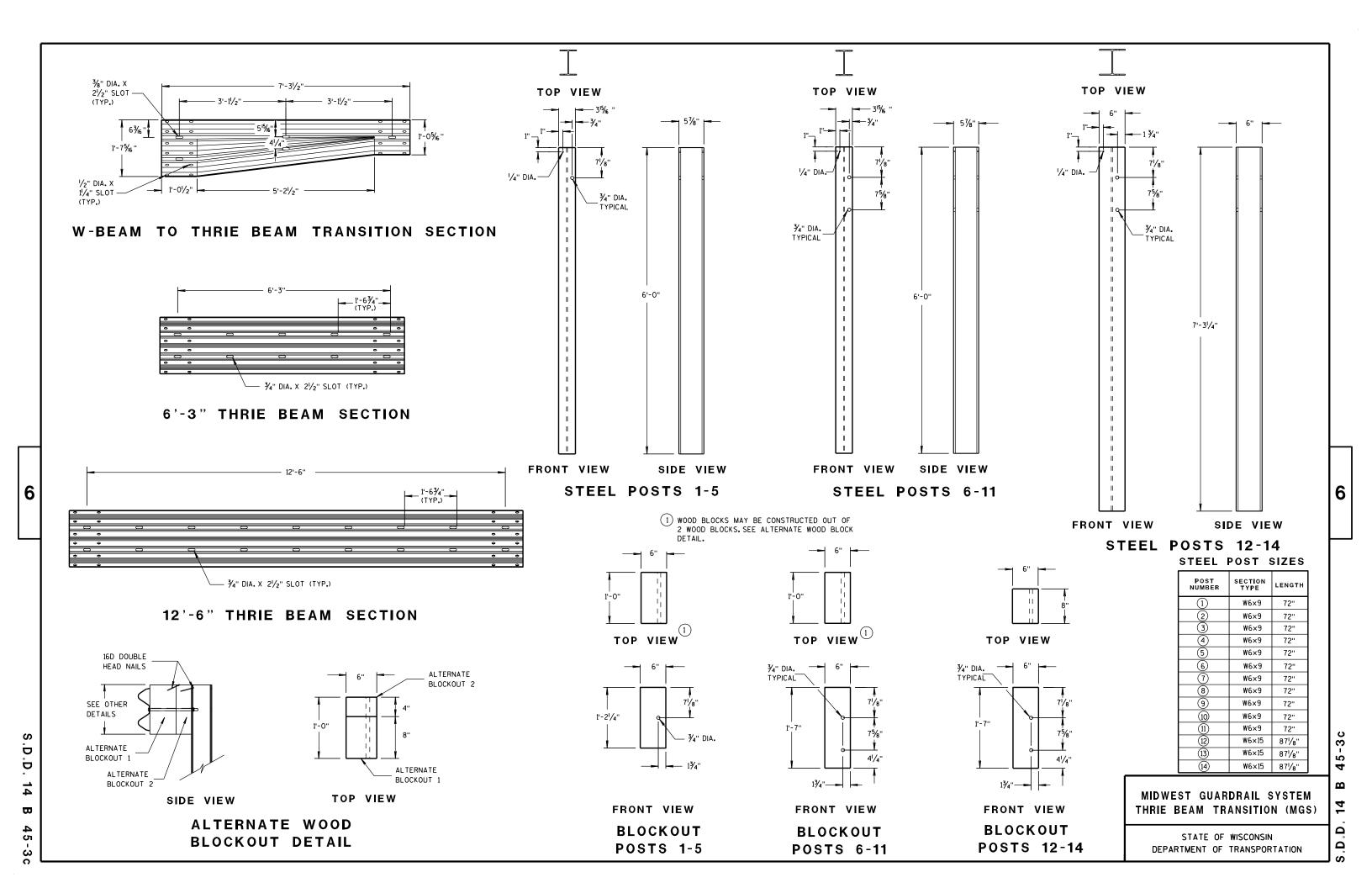
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

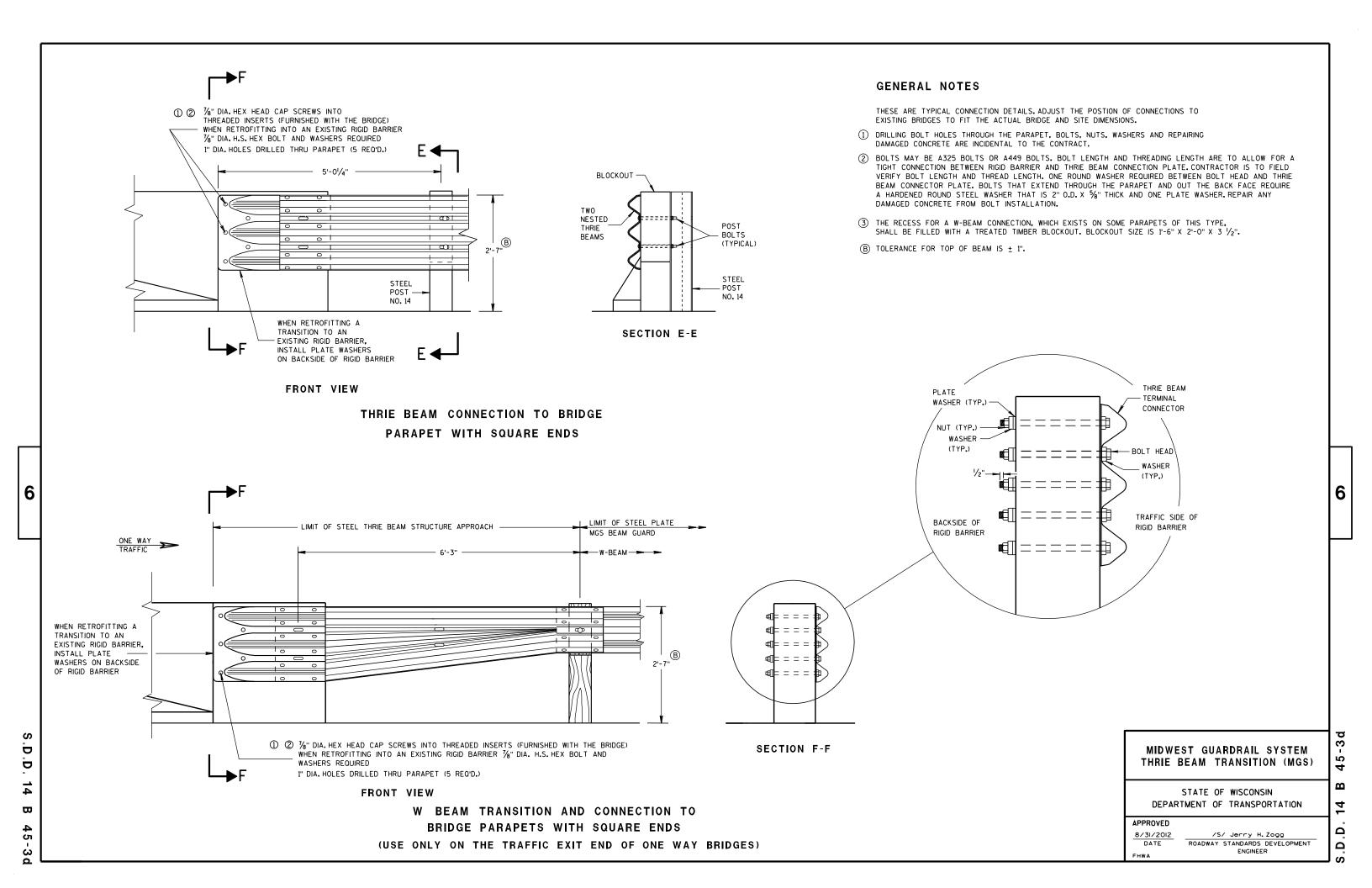
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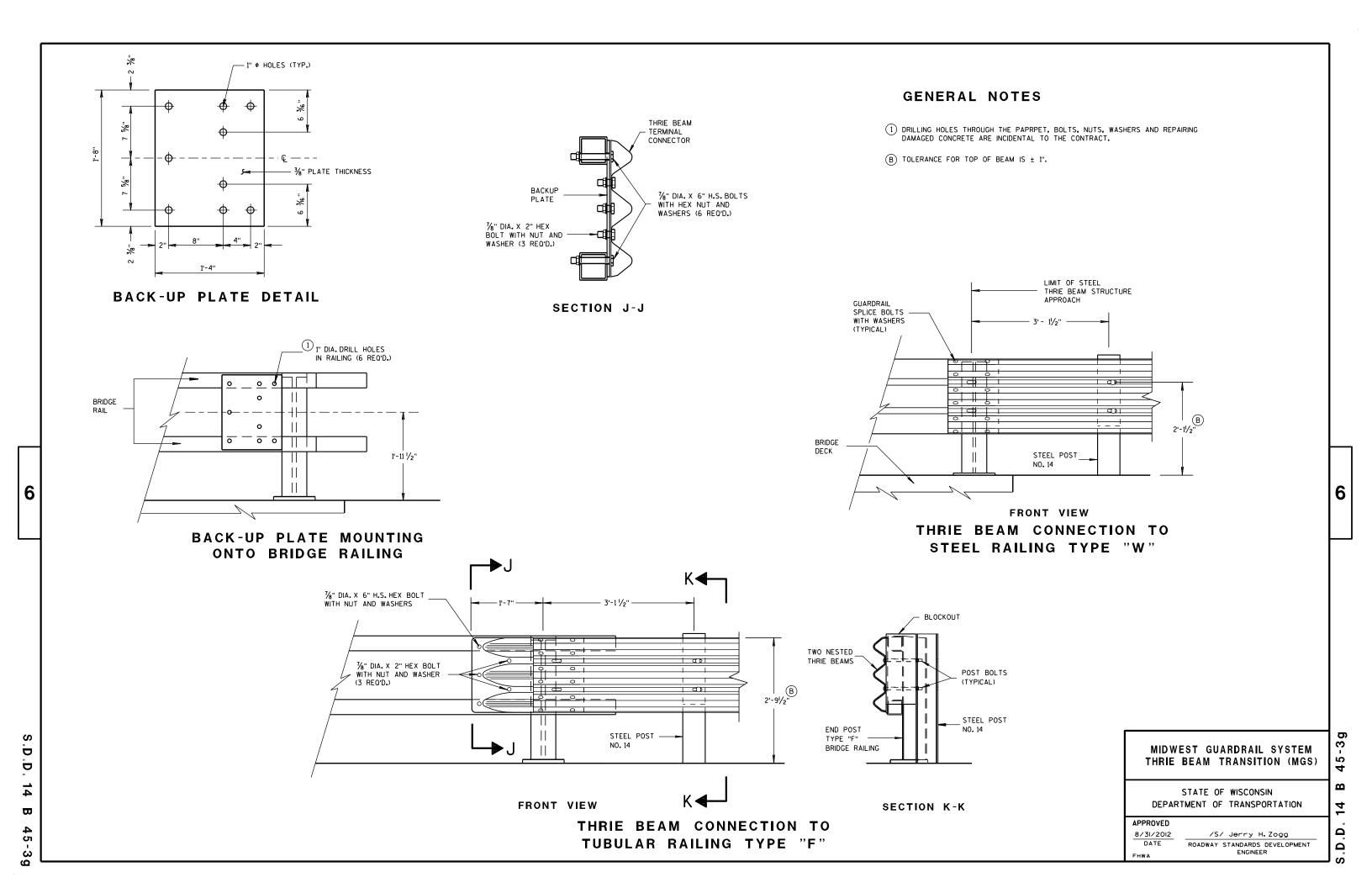






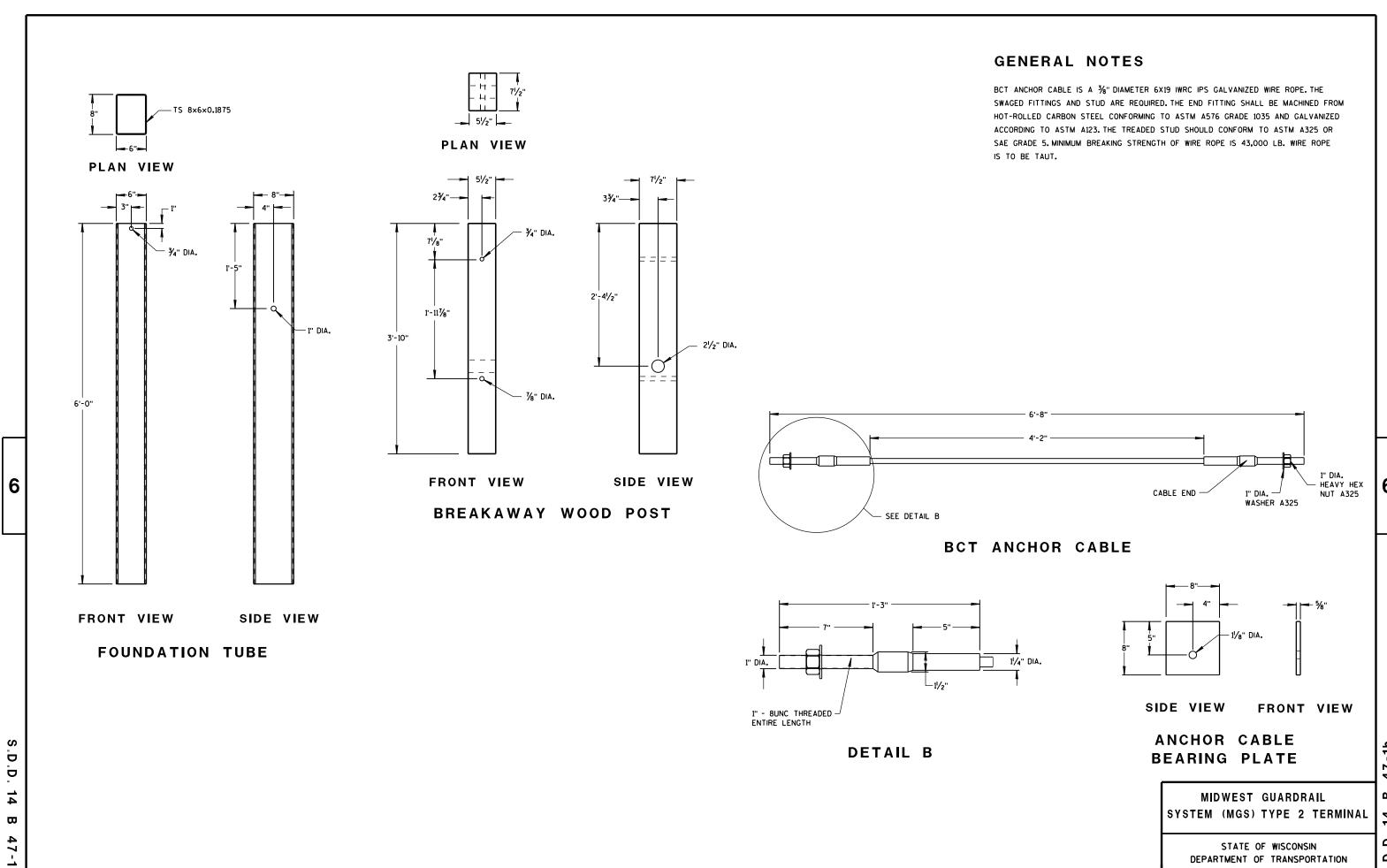




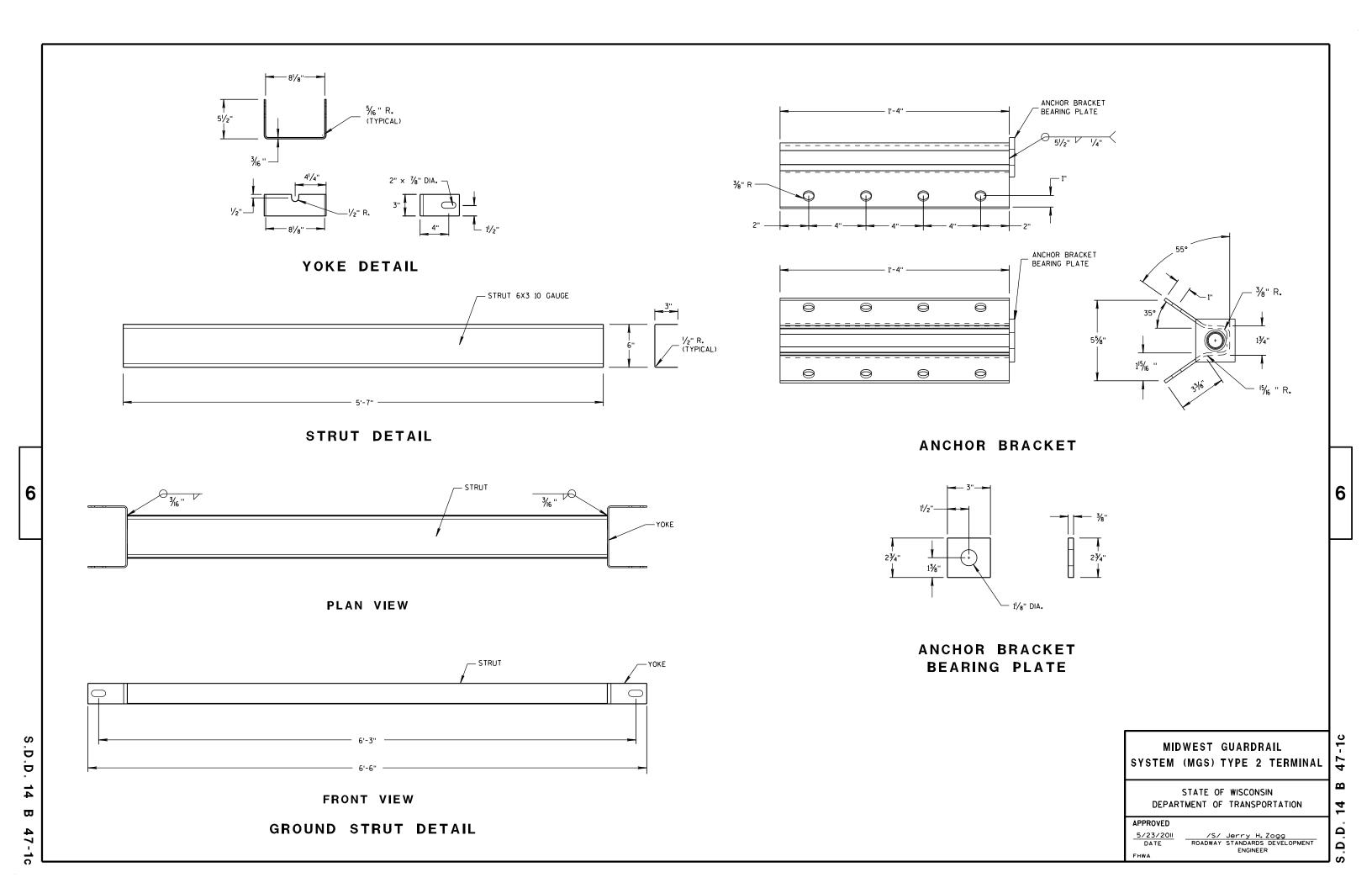


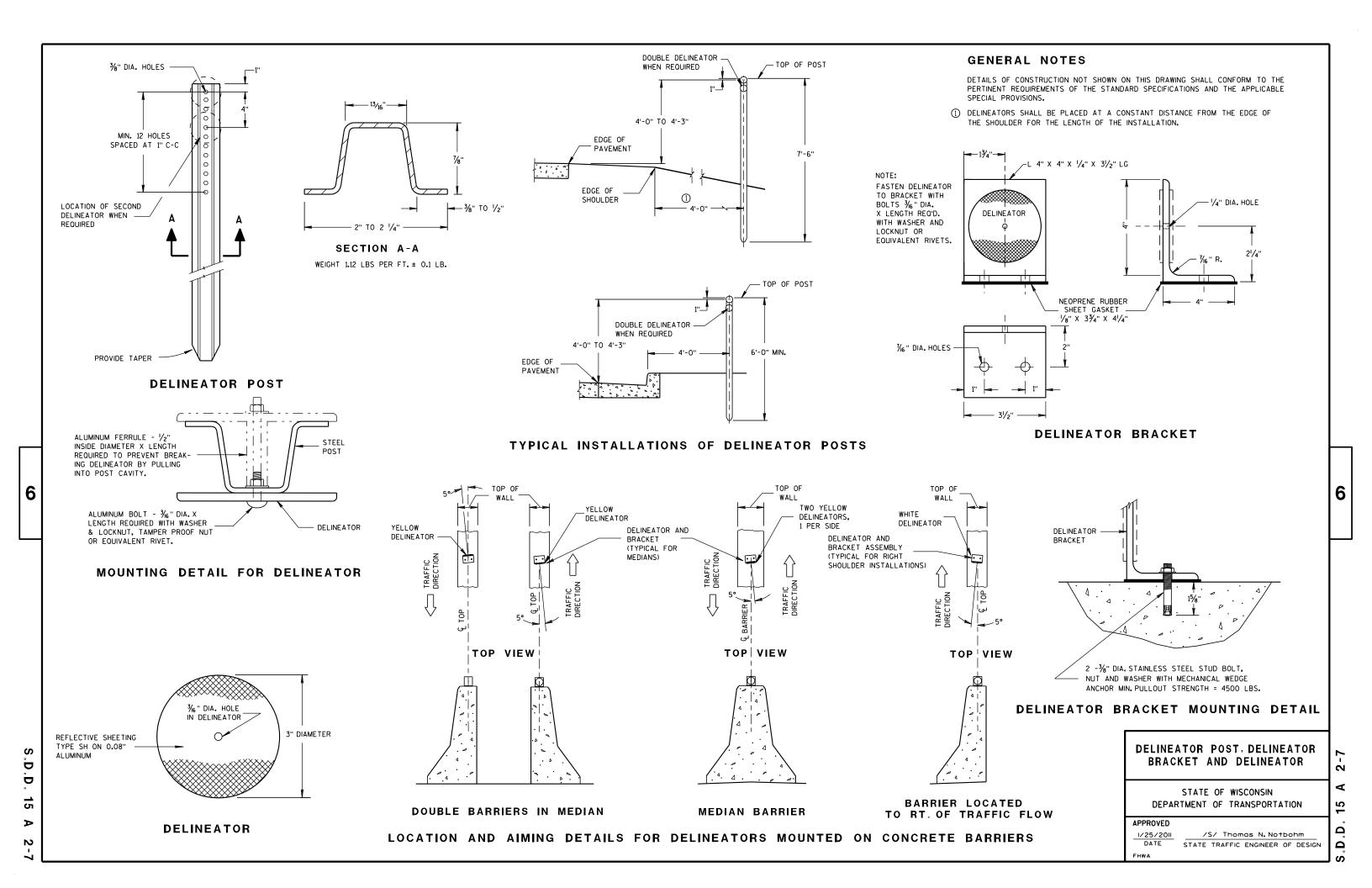
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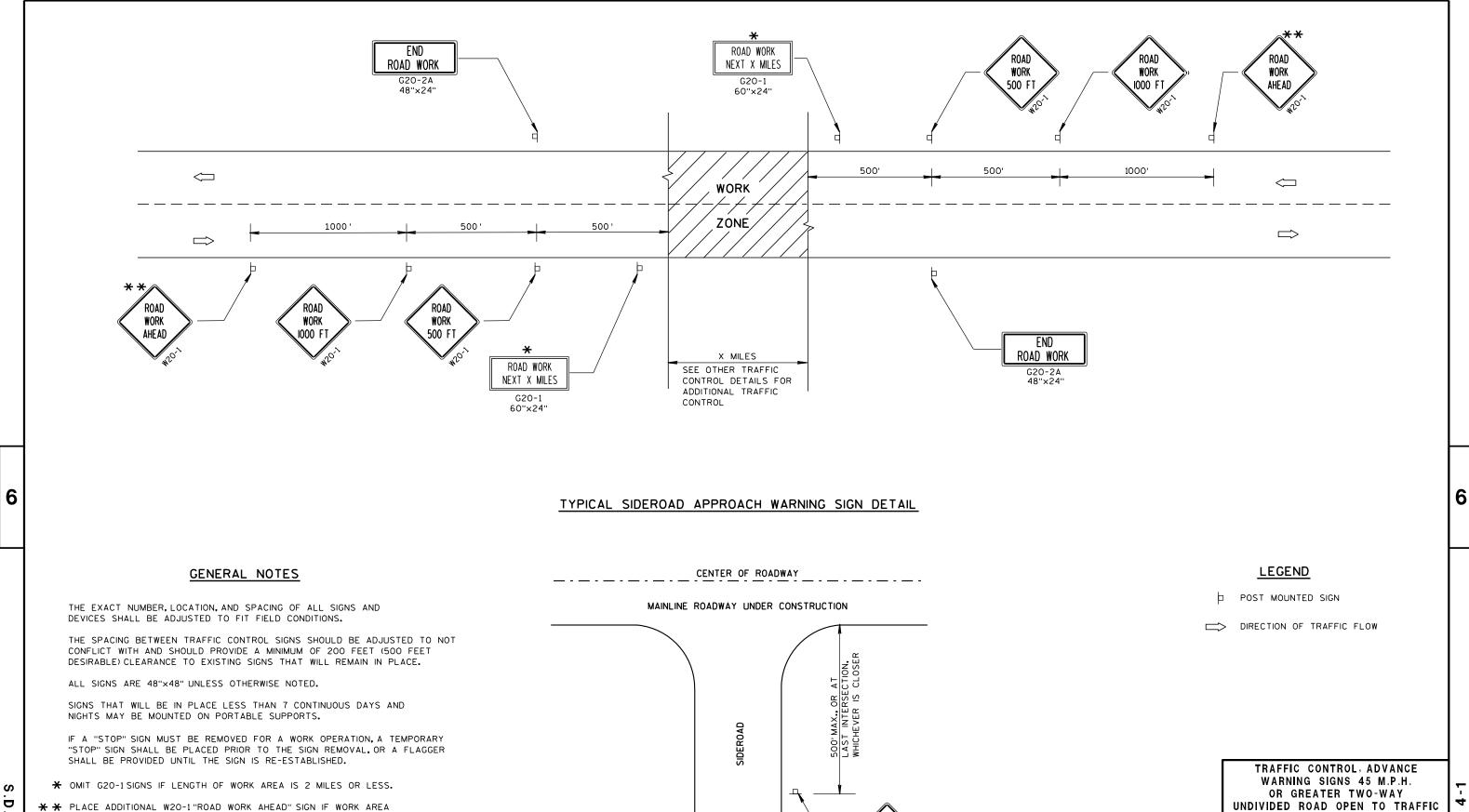
DEPARTMENT OF TRANSPORTATION



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STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION

/S/ Chester J. Spang
CHIEF SIGNS AND MARKING ENGINEER

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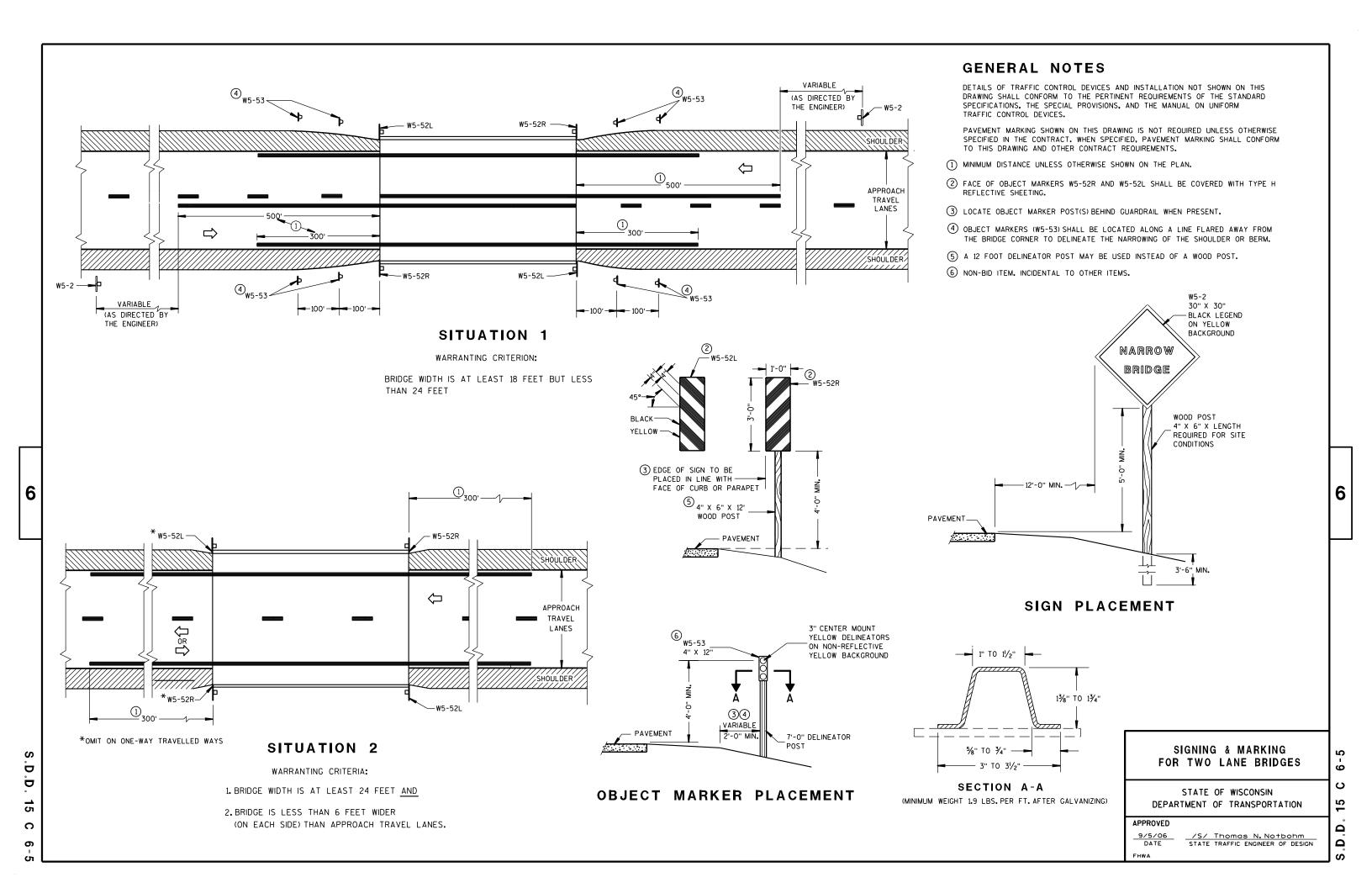
APPROVED

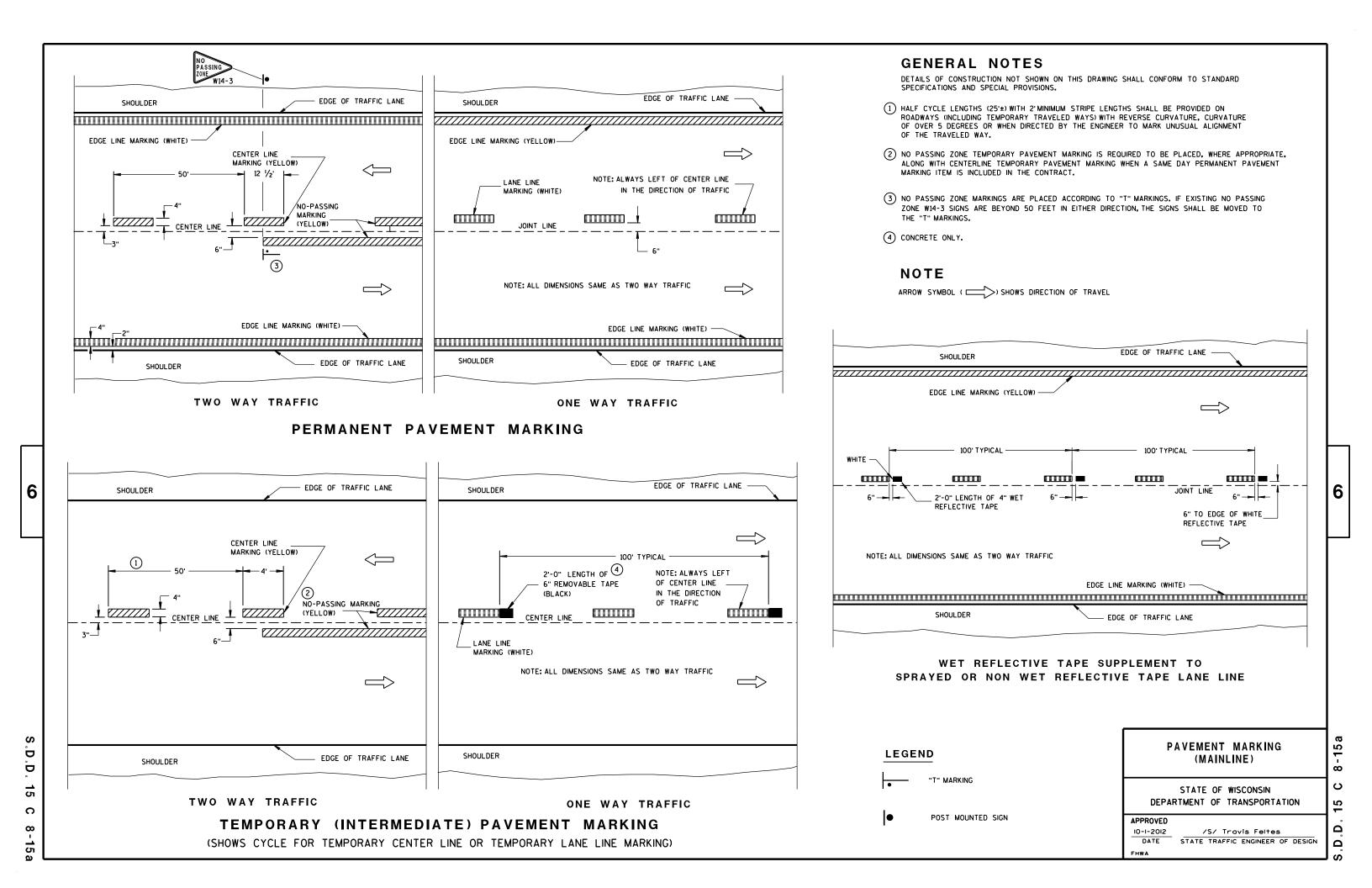
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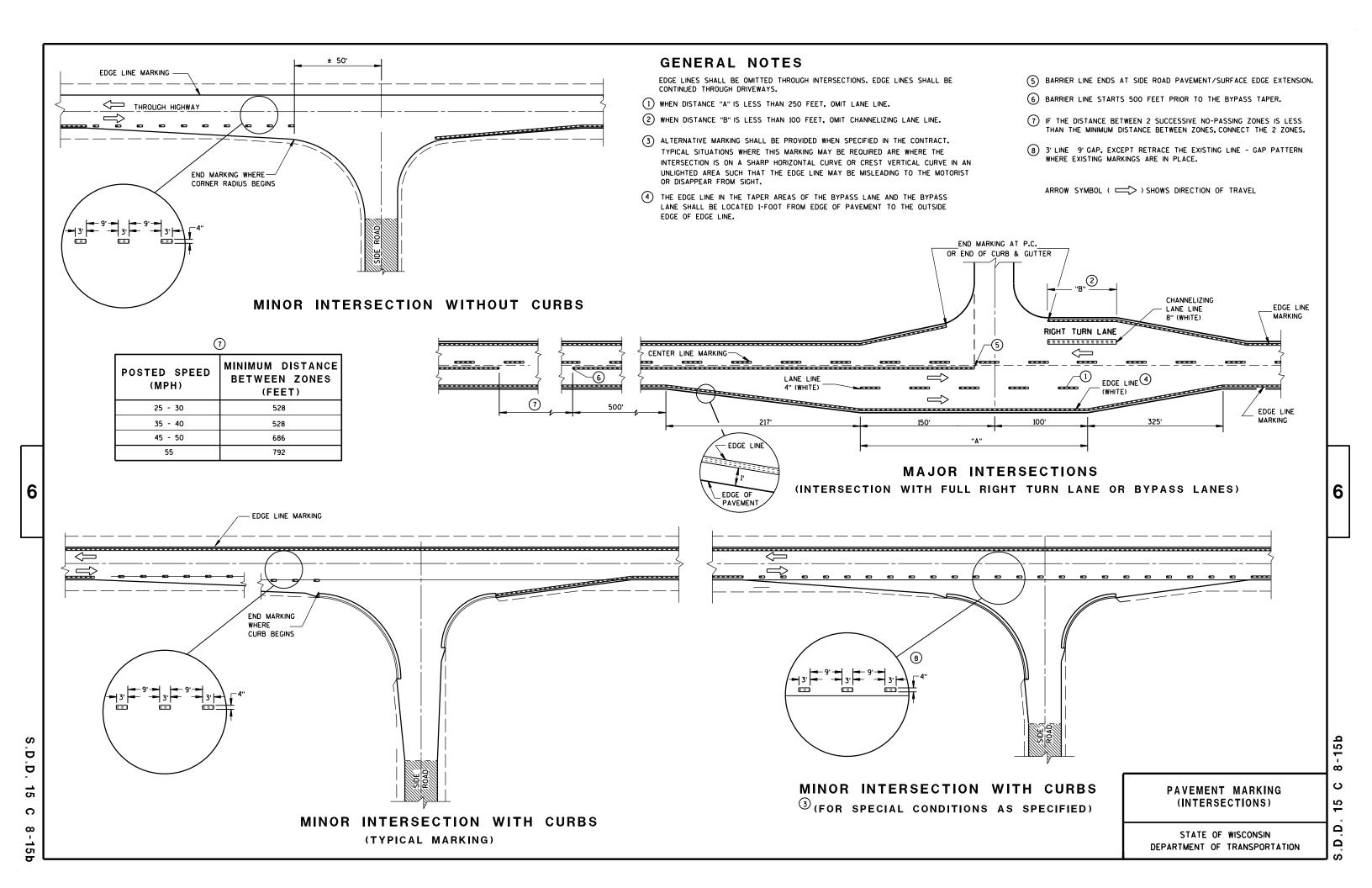
S.D.D. 15 C 4-1

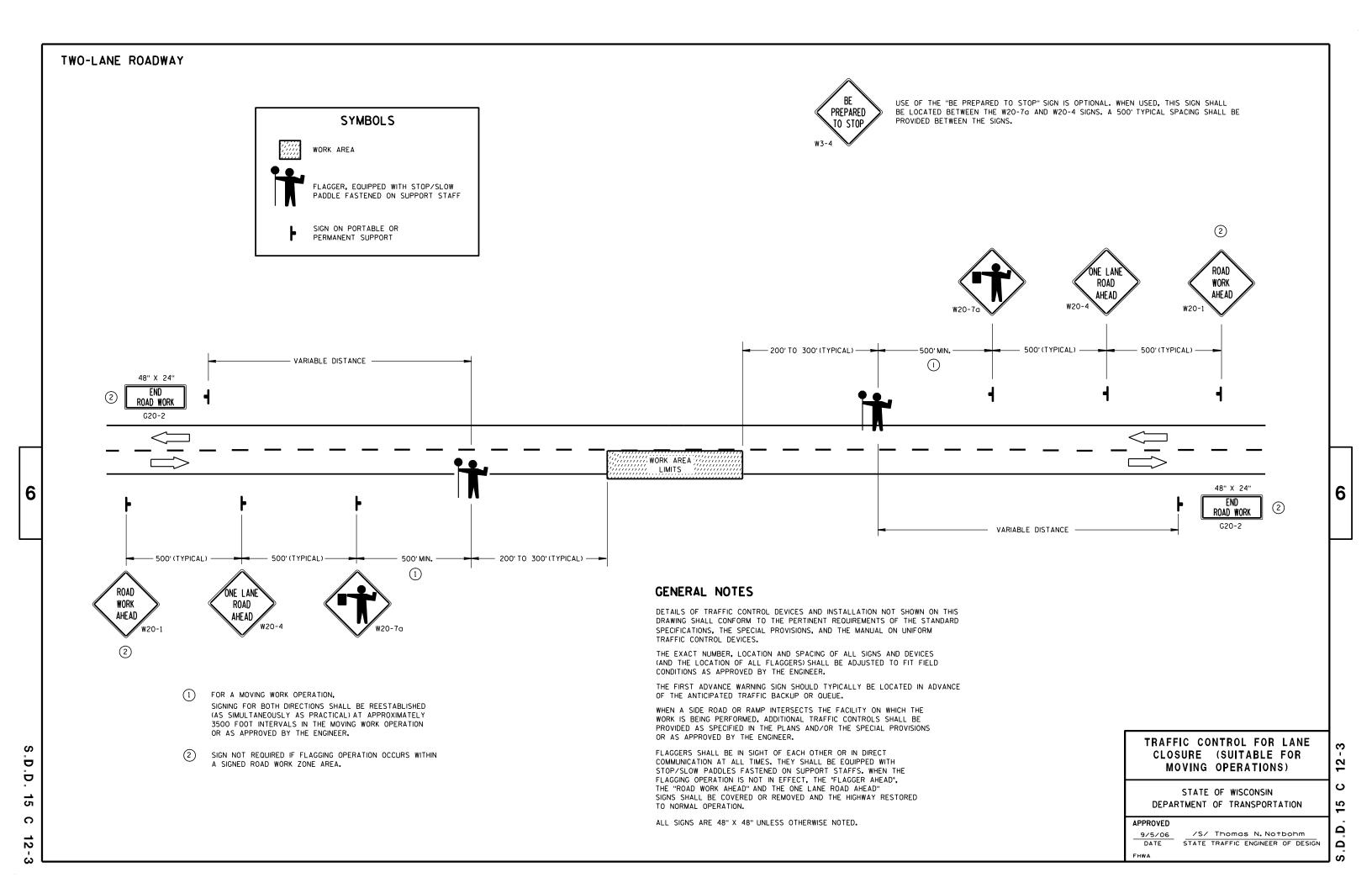
WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM

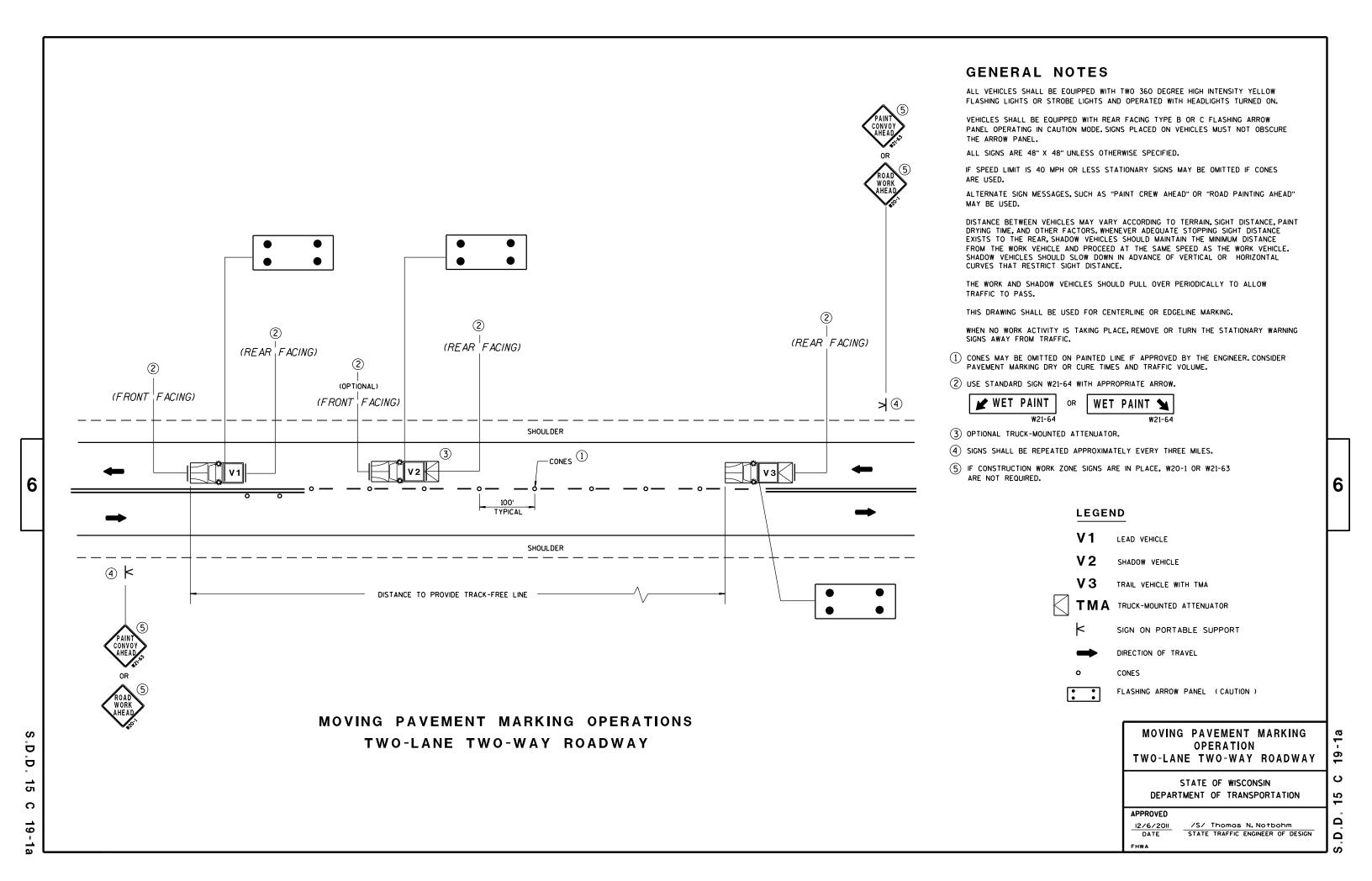
PREVIOUS WORK AREA OR SIGNING.

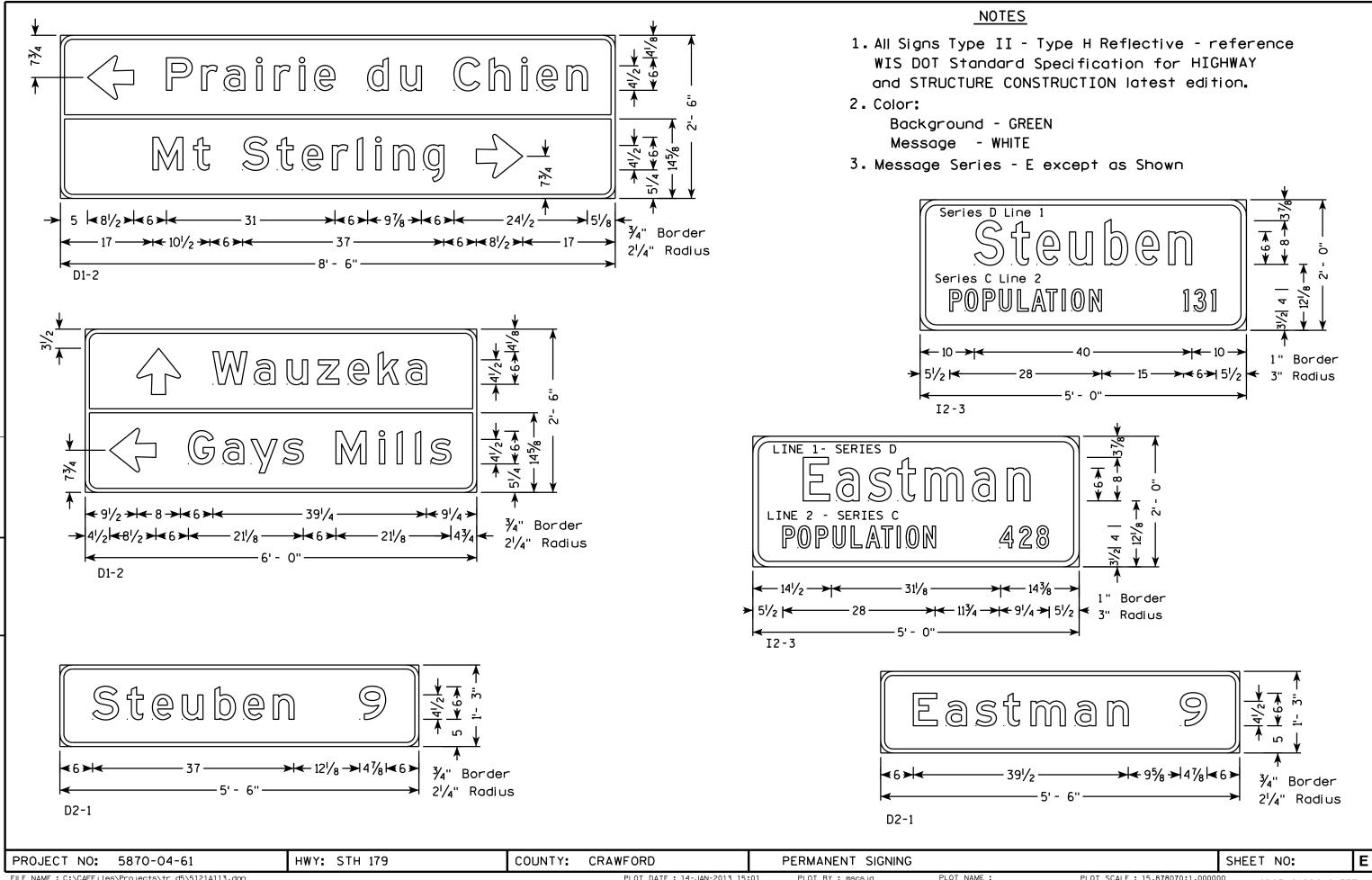










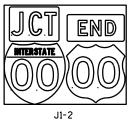


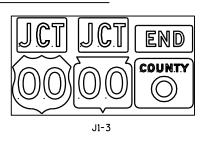
### TYPICAL ASSEMBLIES



North

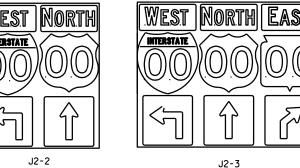
INTERSTATE

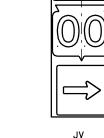




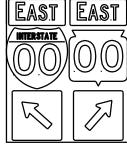


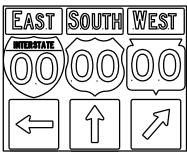






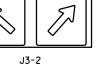
J2-1

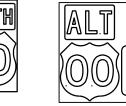


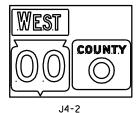


J3-3













EAST

J32-1

IMTERSTATE





J33-1





J23-1

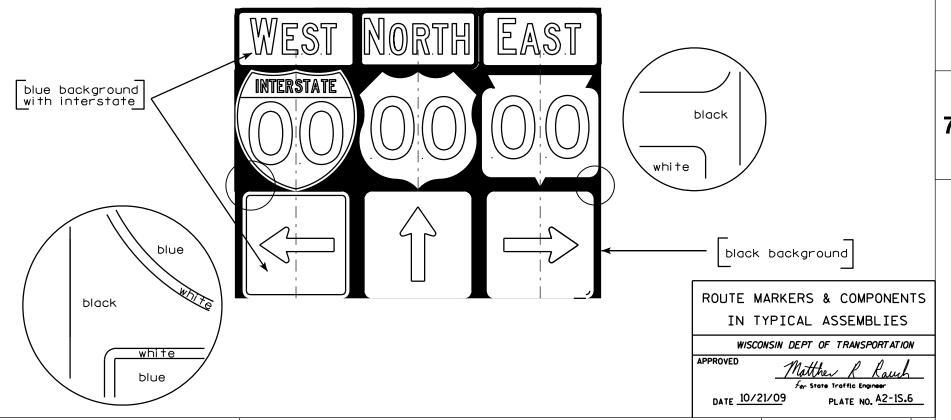


NOTES

- 1. Signs are Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Black Non-reflective Message - see Note 5

- 3. Message Series See Note 5
- 4. Corners shall be square since base material is plywood.
- 5. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
- 6. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
- 7. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
- 8. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
- 9. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.



PROJECT NO:

J13-1

COUNTY

FRONTAGE

ROAD

SHEET NO:

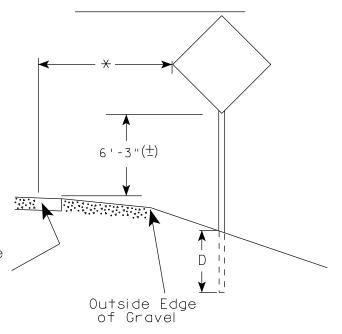
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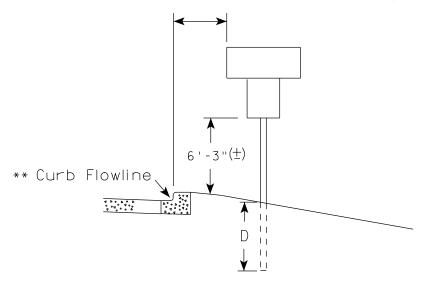
### URBAN ARFA

2' Min - 4' Max (See Note 5) 7'-3"(士) \*\* Curb Flowline. D White Edgeline Location

RURAL ARFA (See Note 2)



2' Min - 4' Max (See Note 5)



5'-3"(士) White Edgeline D 11 Location Outside Edae of Gravel

 $\mid_{X|X}$  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

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

### GENERAL NOTES

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

### POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Raud for State Traffic Engineer

DATE 9/21/2011

PLATE NO. 44-3.16

SHEET NO:

PROJECT NO:

HWY:

COUNTY:

PLOT NAME :

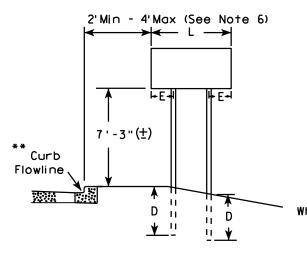
PLOT SCALE: 101.303739:1.000000

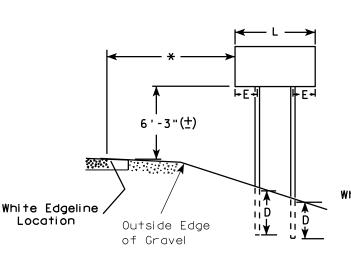
WISDOT/CADDS SHEET 42

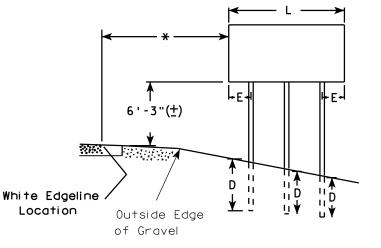
measured from the flow line.

## URBAN AREA

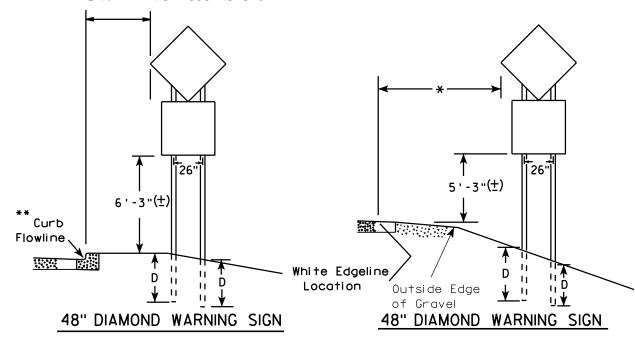
#### RURAL AREA (See Note 3)











SIGN SHAPE OTHER THAN (TWO POSTS REQUIRE		SIGN SHAPE OTHER THAN (THREE POSTS REQUIR	
L	E	L	E
Greater than 48" Less than 60"	12"	Greater than 120" less than 168"	12"
60" to 120"	L/5	1000 111011 100	

HWY:

SIGN SHAPE OTHER THAN (FOUR POSTS REQUIRE	
L	E
168" and greater	12"

### GENERAL NOTES

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

### POST EMBEDMENT DEPTH

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

PLOT NAME :

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS WISCONSIN DEPT OF TRANSPORTATION APPROVED

For State Traffic Engineer

DATE 9/21/2011

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\A44.DGN

<del>\* \* \*</del>

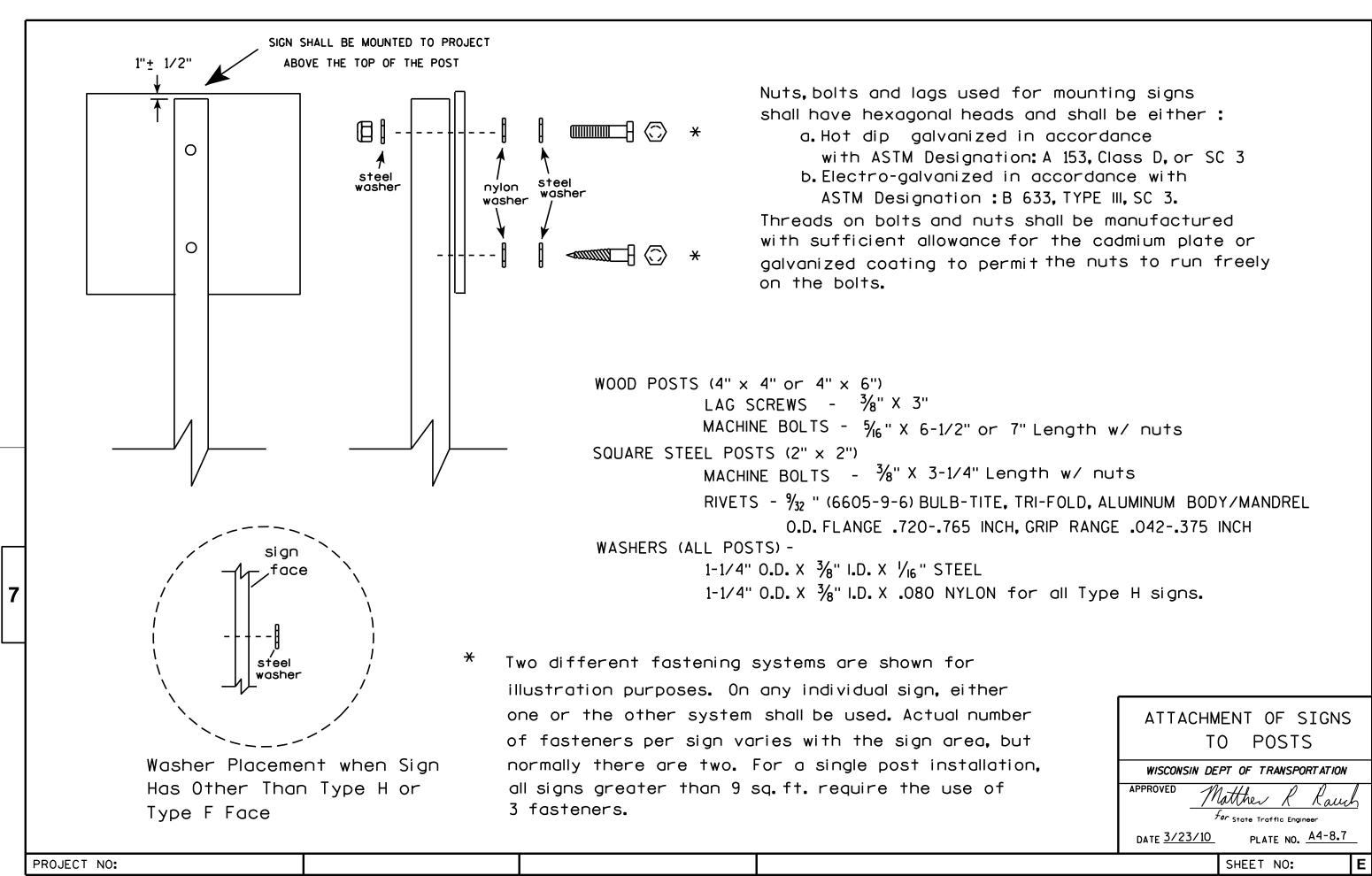
PROJECT NO:

PLOT DATE: 21-SEP-2011 13:36

PLOT BY: mscsia

PLOT SCALE: 109.249131:1.000000 WISDOT/CADDS SHEET 42

COUNTY:



### NOTES

- Sign is Type II see Note 7 reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

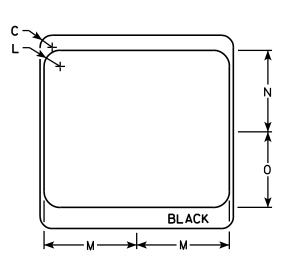
Background - White & Black - See Note 7 Message - Black

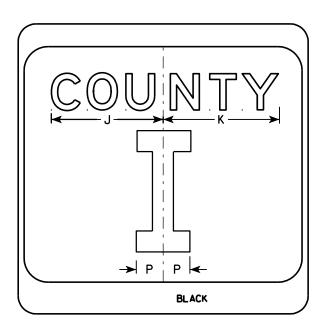
- 3. Message Series see Note 5
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Message Series E for 1 letter.

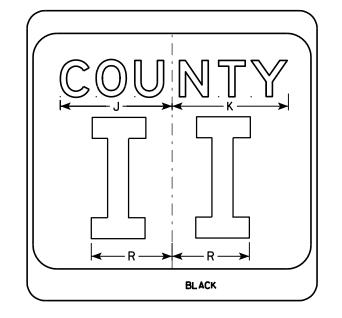
  Message Series D for 2 letters unless
  message is too big then Series C.

  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	Α	В	С	D	E	F	G	Н	I	J	К	L	M	N	0	Р	0	R	S	Т	U	٧	W	Х	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 %	2	11 1/2	10 1/8	9 %	2 1/4		6 %									4.0
3	36		2 1/4			16	4	7 %	5 %	12 1/4	12 1/8	3	17 1/8	15 1/4	14	3 %		10									9.0
4	36		2 1/4			16	4	7 %	5 %	12 1/4	12 1/8	3	17 1/8	15 1/4	14	3 %		10									9.0
5	36		2 1/4			16	4	7 %	5 %	12 1/4	12 1/8	3	17 1/8	15 1/4	14	3 %		10									9.0

COUNTY:

CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

ForState Traffic Engineer

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

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\M15A.DGN

PROJECT NO:

**BLACK** 

HWY:

M1-5A

PLOT DATE: 29-SEP-2011 11:25

PLOT BY: mscsja

PLOT NAME :

PLOT SCALE: 5.959043:1.000000

: 5.959043:1.000000 WISDOT (CAL

- 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 Series numerals and adjust spacing as per plate A10-1.
- 6. Permanent Signs
  Background Type H Reflective
  Detour or temporary Signs
  Background Reflective

BLACK	<b>↑</b> G <b>→ ↑</b> F <b>→ → ↑ → → → → → → → → → →</b>
Metric equivalent for this sign is:	

HWY:

900 mm X 900 mm

5 900 mm X 900 mm

PROJECT NO:

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	Q	R	S	Т	U	٧	W	Х	Y	Z	Area sq. ft.	Area m2
1																												
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 %	11 1/2	1	1 1/8	11 1/4	21 1/8											4.0	<b>.</b> 36
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 1/8	16 1/8	33											9.0	<b>.</b> 81
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 1/8	16 1/8	33											9.0	.81
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 1/8	16 1/8	33											9.0	.81
ט ן	26		2 /4			10	0 74	J /4	12 78	3 78	12 78	11 /8	1 /2	<sup>2</sup> /8	10 /8	33		<u> </u>										9.0

COUNTY:

STATE ROUTE MARKER
M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

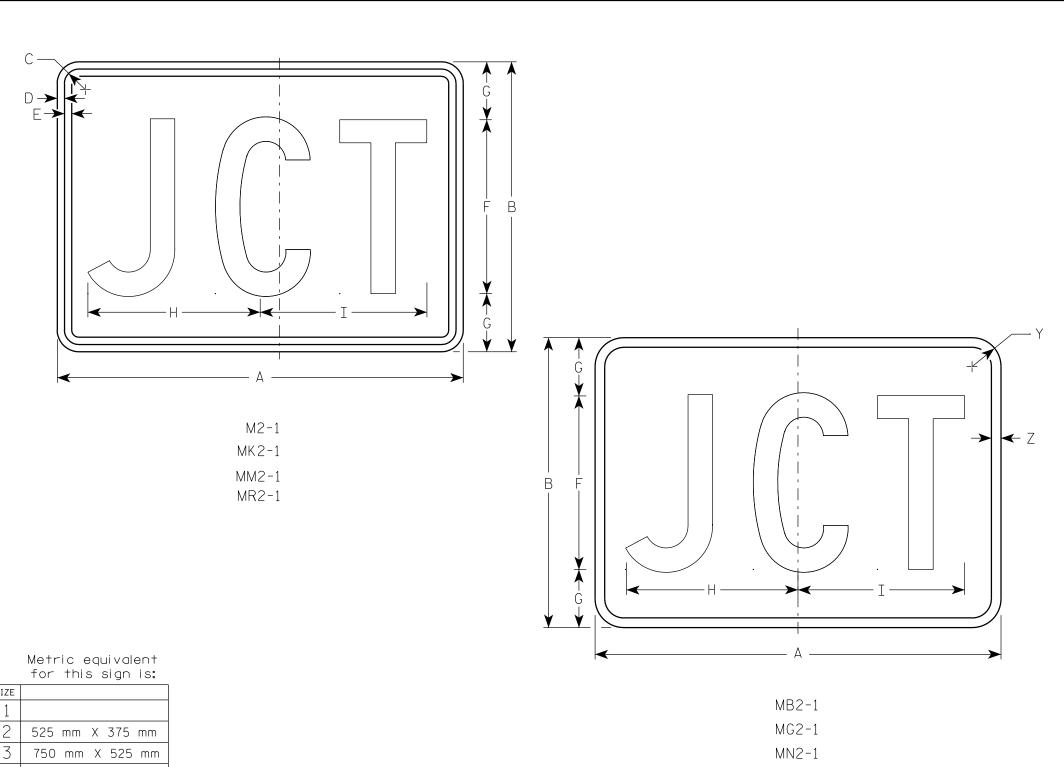
The state Traffic Engineer

DATE 3/20/02 PLATE NO. M1-6.9

SHEET NO:

\_\_\_\_

PLOT NAME :



- 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

750 mm X 525 mm 750 mm X 525 mm

PROJECT NO:

SIZE	Ξ.	А	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	٧	W	X	Y	Z	Area sq. ft.	Area m2
1																													
2	2	21	15	1 1/8	3/8	3/8	9	3	8 7/8	8 %																1 1/2	1/2	2.20	0.20
3	3	30	21	1 1/8	3/8	3/8	13	4	12 1/8	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 1/8	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 1/8	12 3/8																1 1/2	1/2	4.40	0.20

COUNTY:

STANDARD SIGN

M2 - 1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

 $f_{or}$  State Traffic Engineer

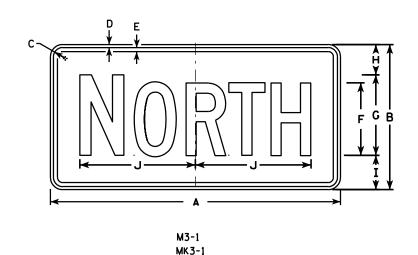
DATE 3/16/10

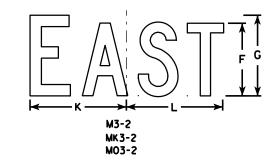
PLATE NO. M2-1.10 SHEET NO:

WISDOT/CADDS SHEET 42

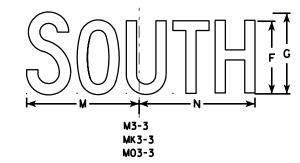
PLOT NAME : PLOT DATE: 16-MAR-2010 09:49 PLOT SCALE: 4.965868:1.000000 PLOT BY: dotsja

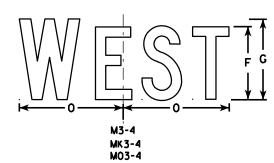
HWY:



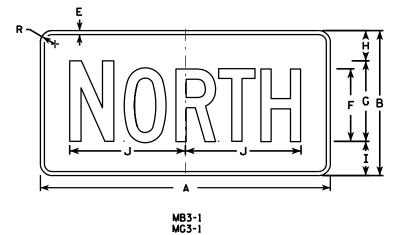


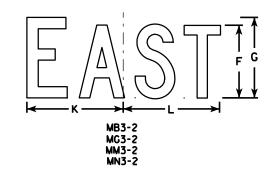
MO3-1





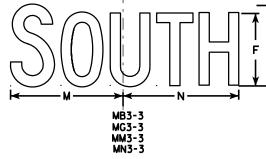
HWY:

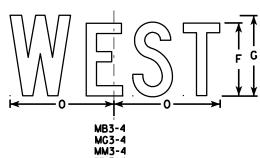




MM3-1

MN3-1





#### <u>NOTES</u>

- 1. All Signs Type II See Note 5 reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - See note 5 Message - See note 5

- 3. Message Series C
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. M3-1 thru M3-4 Background White Type H Reflective (Detour or temporary signs Reflective) Message Black
  - MB3-1 thru MB3-4 Background Blue Message - White - Type H Reflective (Detour or temporary signs - Reflective)
  - MG3-1 thru MG3-4 Background Green

    Message White Type H Reflective
  - MK3-1 thru MK3-4 Background Green

    Message White Type H Reflective
  - MM3-1 thru MM3-4 Background White Type H Reflective Message Green
  - MN3-1 thru MN3-4 Background Brown
    Message White Type H Reflective
  - M03-1 thru M03-4 Background Orange Reflective Message Black
- 6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	כ	٧	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 1/8	8 3/8	10 1/4	9 3/4	8 ¾			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

COUNTY:

STANDARD SIGNS M3-1 thur M3-4 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

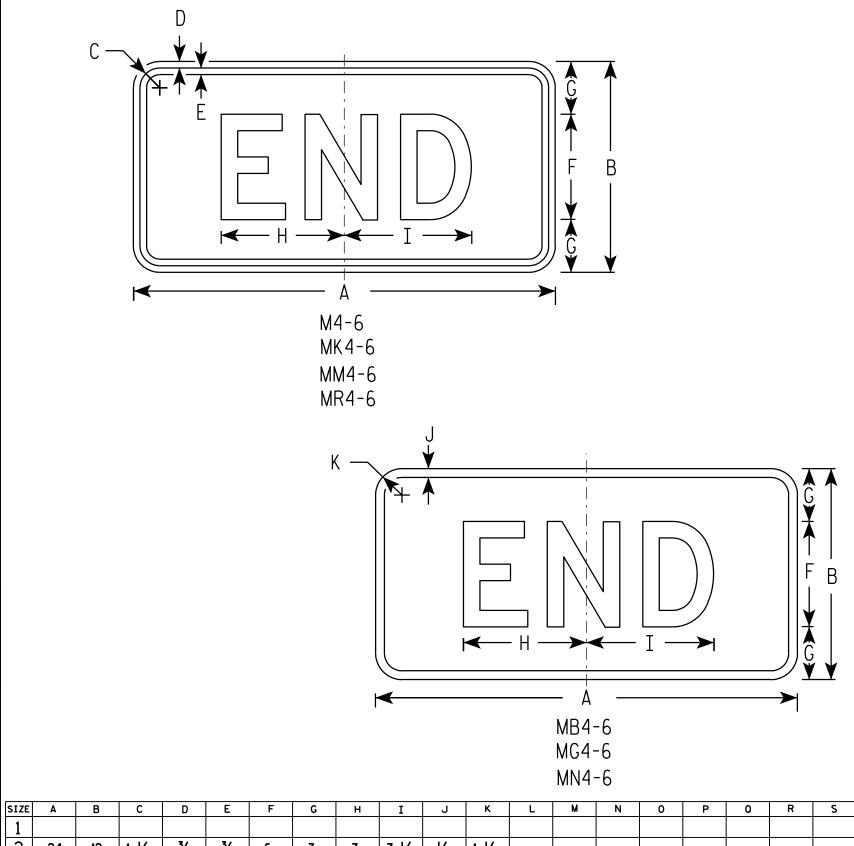
For State Traffic Engineer

DATE 11/10/10 PLATE NO. M3-1.12

SHEET NO: E

PROJECT NO:

PLOT NAME :



HWY:

#### <u>NOTES</u>

- 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 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. M4-6 Background White Type H Reflective (Detour or temporary Signs Reflective)

Message - Black

- MB4-6 Background Blue
  Message White Type H Reflective
  (Detour or temporary Signs Reflective)
- MG4-6 Background Green
  Message White Type H Reflective
- MK4-6 Background Green

  Message White Type H Reflective
- MM4-6 Background White Type H Reflective Message Green
- MN4-6 Background Brown
  Message White Type H Reflective
- MR4-6 Background Brown
  Message Yellow Type H Reflective

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	٧	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	7	7 1/4	1/2	1 1/2																2.00
3	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 1/8	1/2	1 1/2																4.5
4	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 1/8	1/2	1 1/2																4.5
5	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 %	1/2	1 1/2																4.5
		•			•			•	-				_	•				•					•			•	

COUNTY:

STANDARD SIGN M4-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE <u>11/10/10</u>

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\M46.DGN

PROJECT NO:

PLOT DATE: 10-NOV-2010 12:57

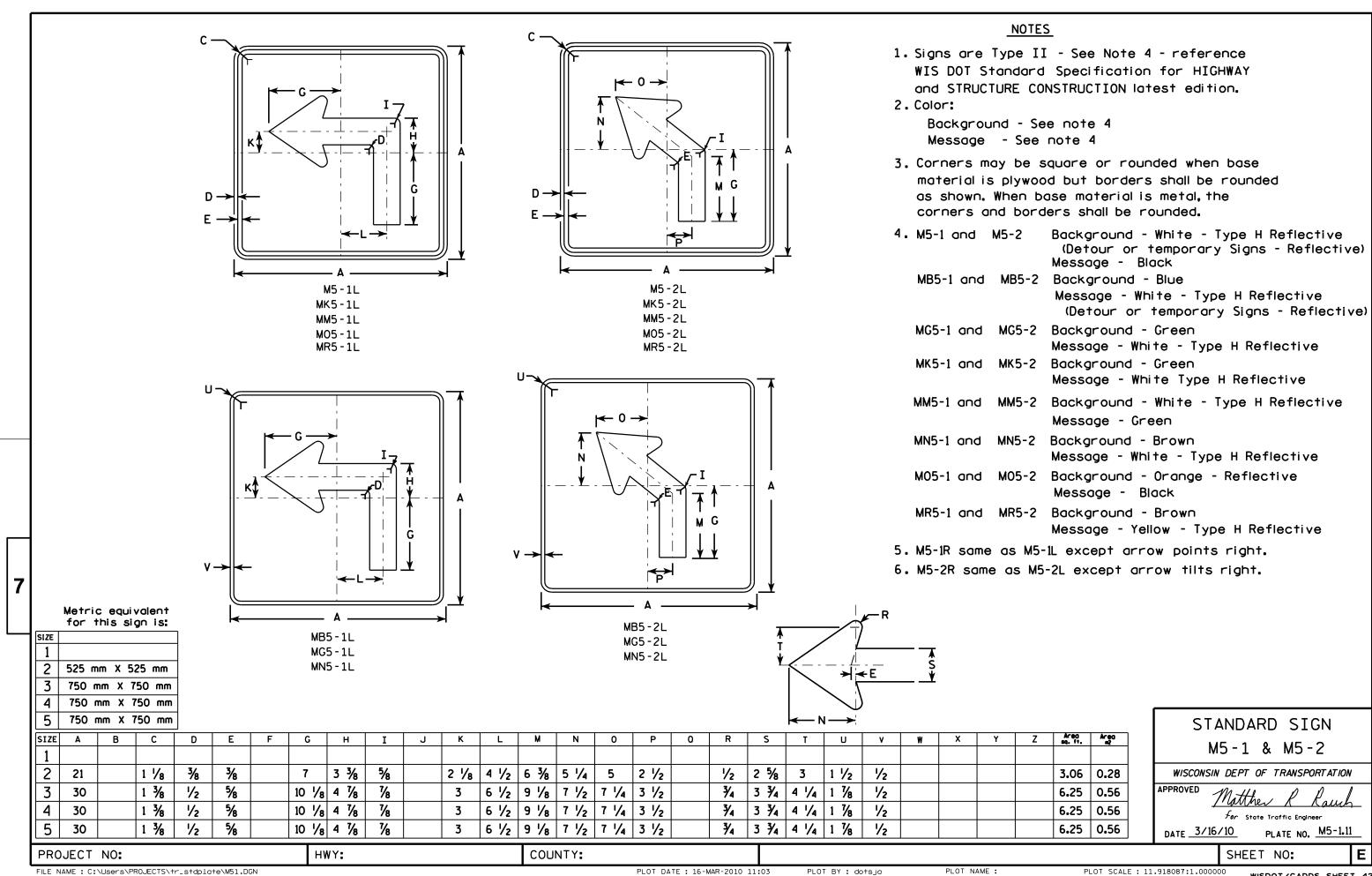
PLOT NAME :

PLOT BY: ditjph

PLOT SCALE: 5.462457:1.000000

WISDOT/CADDS SHEET 42

PLATE NO. M4-6.7

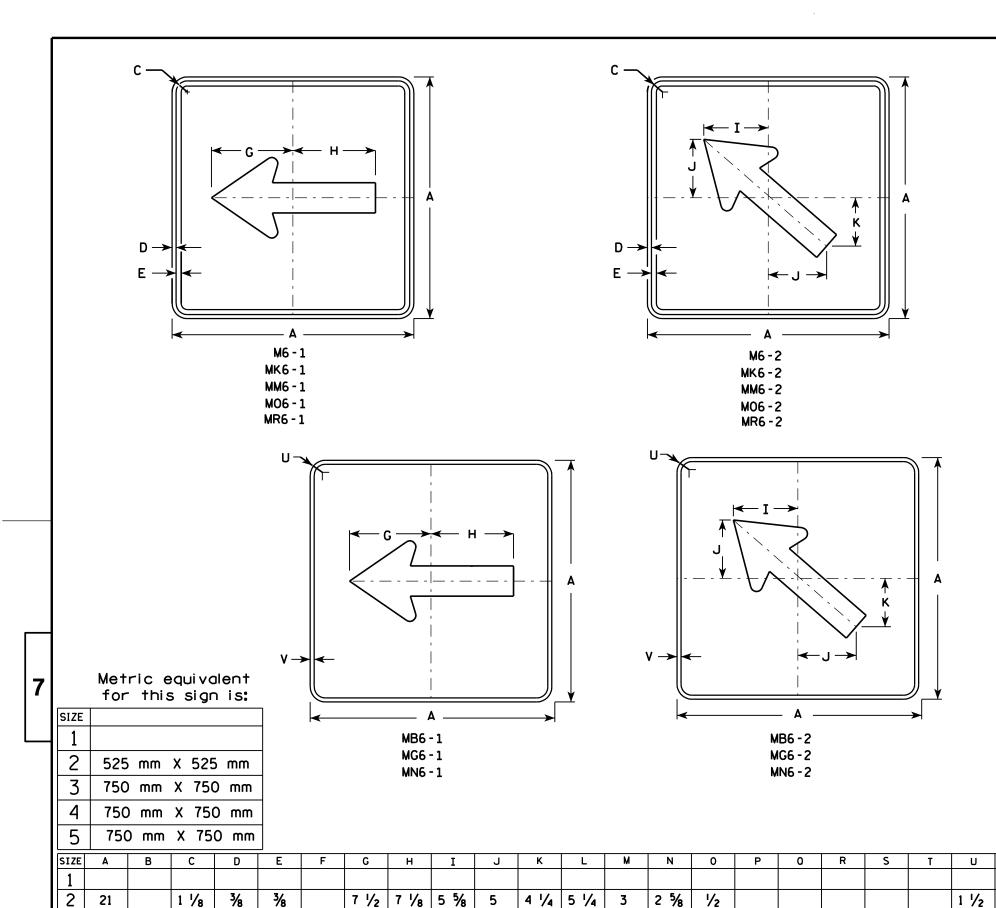


FILE NAME : C:\Users\PROJECTS\tr\_stdplate\M51.DGN

PLOT DATE: 16-MAR-2010 11:03

PLOT NAME :

PLOT SCALE: 11.918087:1.000000



- 1. Signs are Type II See Note 4 reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - See note 4 Message - See note 4

- 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. M6-1 and M6-2 Background White Type H Reflective
  (Detour or temporary Signs Reflective)
  Message Black
  - MB6-1 and MB6-2 Background Blue

    Message White Type H Reflective

    (Detour or temporary Signs 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
- M06-1 and M06-2 Background Orange Reflective Message - Black

Area Area sq. ft. m2

6.25 0.56

0.28

0.56

0.56

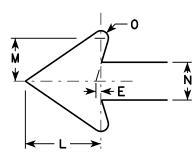
3.06

6.25

6.25

MR6-1 and MR6-2 Background - Brown

Message - Yellow - Type H Reflective



1/2

1/2

1/2

1 1/8

1 %

1 %

PLOT BY: dotsja

STANDARD	SIGN
M6-1 & N	<b>16 - 2</b>
SERIE	ES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

for State Traffic Engineer

DATE 3/16/10 PLATE NO. M6-1.12

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\M61.DGN

1 3/8

1 3/8

1 3/8

1/2

1/2

1/2

5/8

5/8

10 3/4 10 1/4 8

10 3/4 10 1/4 8

10 3/4 10 1/4 8

HWY:

7 1/4

7 1/4

7 1/4

6

6

7 1/2

7 1/2

4 1/4 3 3/4

4 1/4 3 3/4

COUNTY:

7 1/2 4 1/4 3 3/4

3

4

5

30

30

30

PROJECT NO:

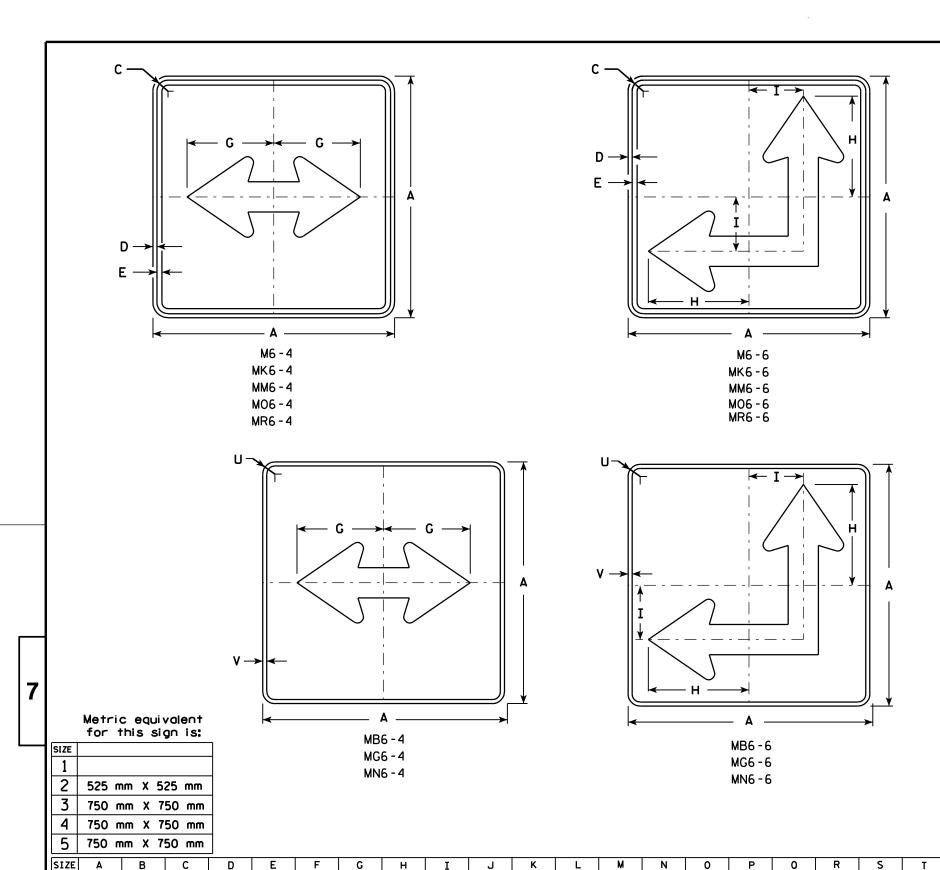
PLOT DATE: 16-MAR-2010 09:58

3/4

3/4

PLOT NAME :

PLOT SCALE: 11.918087:1.000000



- 1. Signs are Type II See Note 4 reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - See Note 4 Message - See Note 4

- 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. M6-4 and M6-6 Background White Type H Reflective (Detour or temporary Signs - Reflective) Message - Black
  - MB6-4 and MB6-6 Background Blue Message - White - Type H Reflective (Detour or temporary Signs - 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 M06-4 and M06-6 Background - Orange - Reflective
    - Message Black
- MR6-4 and MR6-6 Background Brown
- Message Yellow Type H Reflective 5. M6-6R same as M6-6L except arrow points ahead and right.

Areo Areo

6.25 0.56

0.28

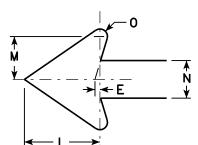
0.56

0.56

3.06

6.25

6.25



<del>*************************************</del>	-0	
M <del>V</del>	/ 	— <del>-</del>
<b>←</b>	_L_	

STANDARD SIGN M6-4 & M6-6 **SERIES** 

WISCONSIN DEPT OF TRANSPORTATION

**APPROVED** 

DATE 3/16/10 PLATE NO. M6-4.7

SHEET NO:

Н

7 1/2 8 3/4 4 1/4

10 3/4 12 1/2 6 3/4

10 3/4 12 1/2 6 3/4

10 3/4 12 1/2 6 3/4

HWY:

I

J

COUNTY:

PLOT DATE: 16-MAR-2010 11:24

1/2

3/4

3/4

2 %

5 1/4

3

7 1/2 4 1/4 3 3/4

7 1/2 | 4 1/4 | 3 3/4

4 1/4 3 3/4

PLOT BY: dotsja

1 1/2

1 1/8

1 %

1 %

٧

1/2

1/2

1/2

1/2

W

PLOT NAME :

PLOT SCALE: 11.918087:1.000000

WISDOT/CADDS SHEET 42

1 1/8

1 3/8

1 3/8

1 3/8

3/8

1/2

1/2

1/2

3/8

5/8

5/8

2

3

4

5

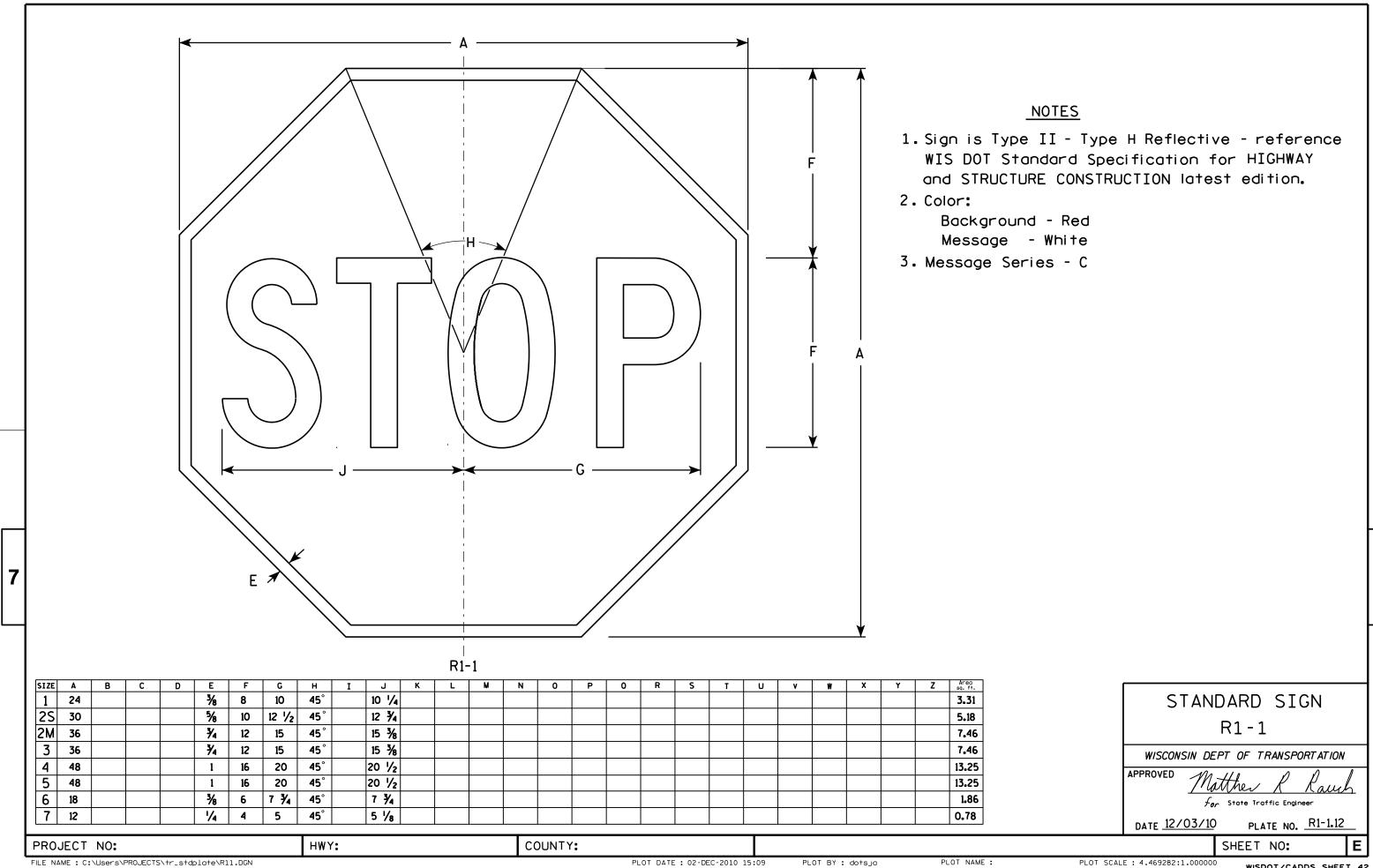
21

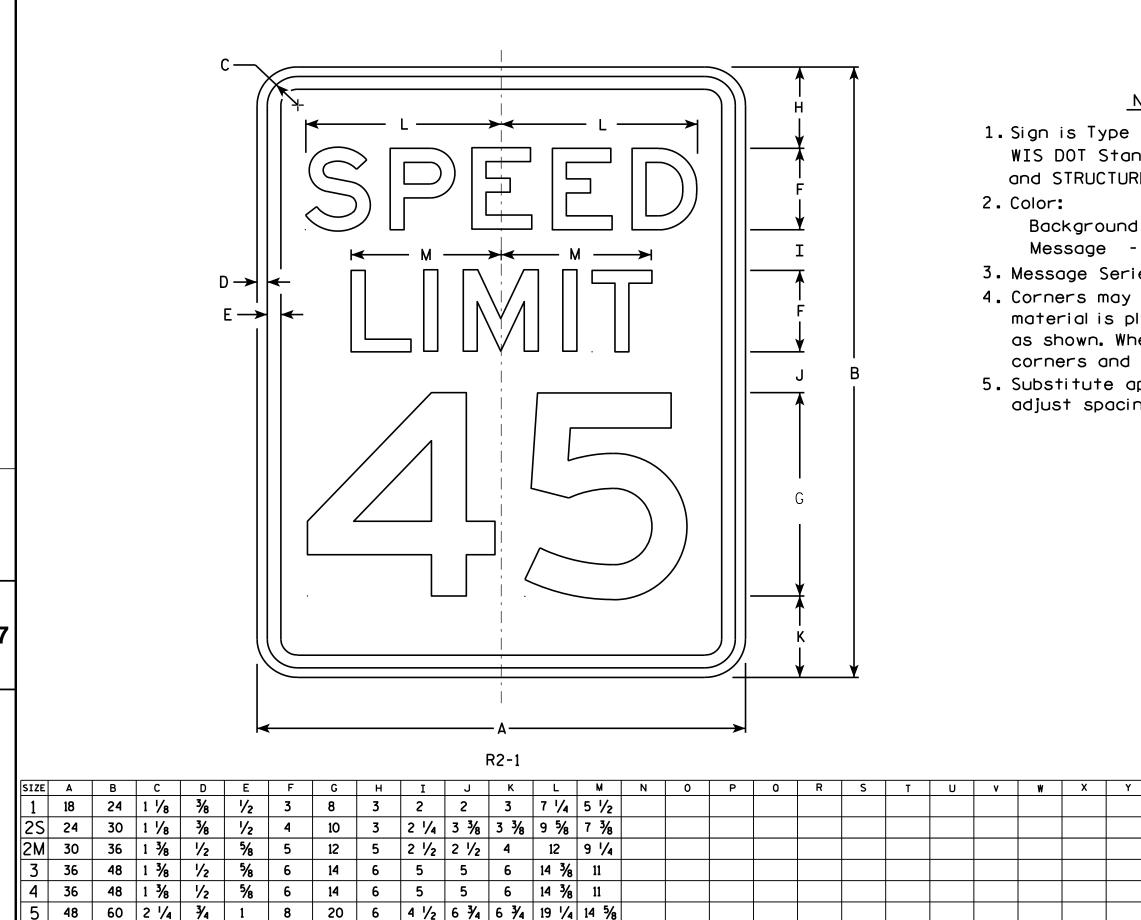
30

30

30

PROJECT NO:





COUNTY:

#### NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.

Background - White Message - Black

- 3. Message Series E
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal. the corners and borders shall be rounded.
- 5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

3.0

5.0

7.5

12.0

12.0

20.0

STANDARD SIGN R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matther R Raus

For State Traffic Engineer DATE <u>5/26/1</u>0 PLATE NO. R2-1.13

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\R21.DGN

PROJECT NO:

HWY:

PLOT DATE: 28-MAY-2010 08:32

PLOT BY : ditjph

PLOT NAME :

PLOT SCALE: 4.717577:1.000000



- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

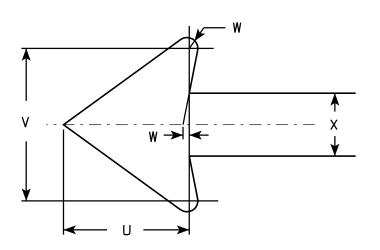
Background - White Message - Red

- 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)

PLOT NAME :



R7-1

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	Т	U	٧	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/8	3/8	3/8	3	1 %	2	<b>%</b>	5/8	1 1/2	2 1/2	2	2	4 %	4 %	2 1/4	2 1/8	2 1/2	3 %	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 %	7 1/8	7	2 3/4	2 %	3 1/8	5 %	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	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	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																			·								

COUNTY:

STANDARD SIGN R7-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

OVED

Matthew R Rauch

For State Traffic Engineer

DATE 3/31/2011

SHEET NO:

HWY:

PROJECT NO:

- 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. W1-1L is the same as W1-1R except the arrow is reversed along the vertical centerline.

A PROPERTY OF THE PROPERTY OF	
MI-1K	

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	0	R	S	T	U	٧	W	Х	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2		3	3 1/2	7 3/4	5	2 1/2	<b>⅓</b> 8	4	1/2	7	9 1/2		5/8	3 1/4								4.0
1 2S 2M	36		1 5/8	5/8	3/4		4 1/2	5 1/4	11 %	7 1/2	3 %	1 1/4	6	3/4	10 1/2	14 1/4		1	4 1/8								9.0
2M	36		1 1/8	5/8	3/4		4 1/2	5 1/4	11 5/8	7 1/2	3 %	1 1/4	6	3/4	10 1/2	14 1/4		1	4 1/8								9.0
3	36		1 5/8	5/8	3/4		4 1/2	5 1/4	11 5/8	7 1/2	3 %	1 1/4	6	3/4	10 1/2	14 1/4		1	4 1/8								9.0
4	48		2 1/4	3/4	1		6	7	15 1/2	10	4 1/8	1 %	8	1	14	19		1 1/4	6 1/2								16.0
5	48		2 1/4	3/4	1		6	7	15 1/2	10	4 1/8	1 1/8	8	1	14	19	·	1 1/4	6 1/2		·						16.0

COUNTY:

STANDARD SIGN W1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Ma

 $f_{or}$  State Traffic Engineer
DATE 5/15/12 PLATE NO. W1-1.11

SHEET NO:

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr\_stdplate\W11.DGN

PROJECT NO:

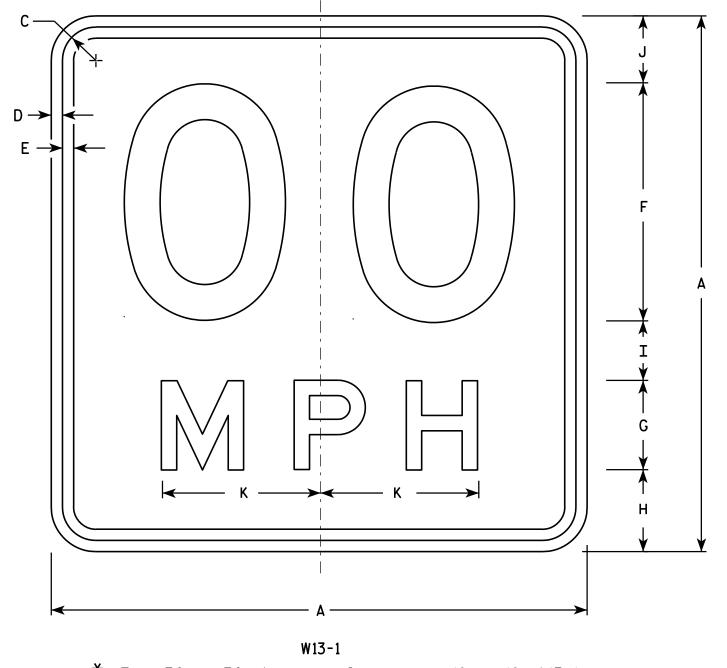
HWY:

PLOT DATE: 15-MAY-2012 13:47

PLOT BY: mscsja

PLOT NAME :

PLOT SCALE: 7.939035:1.000000



- 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

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

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Areg 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
<b>*</b> 2S	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 %																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 1/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 %																9.00
5	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 %																9.00

STANDARD SIGN W13-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew N

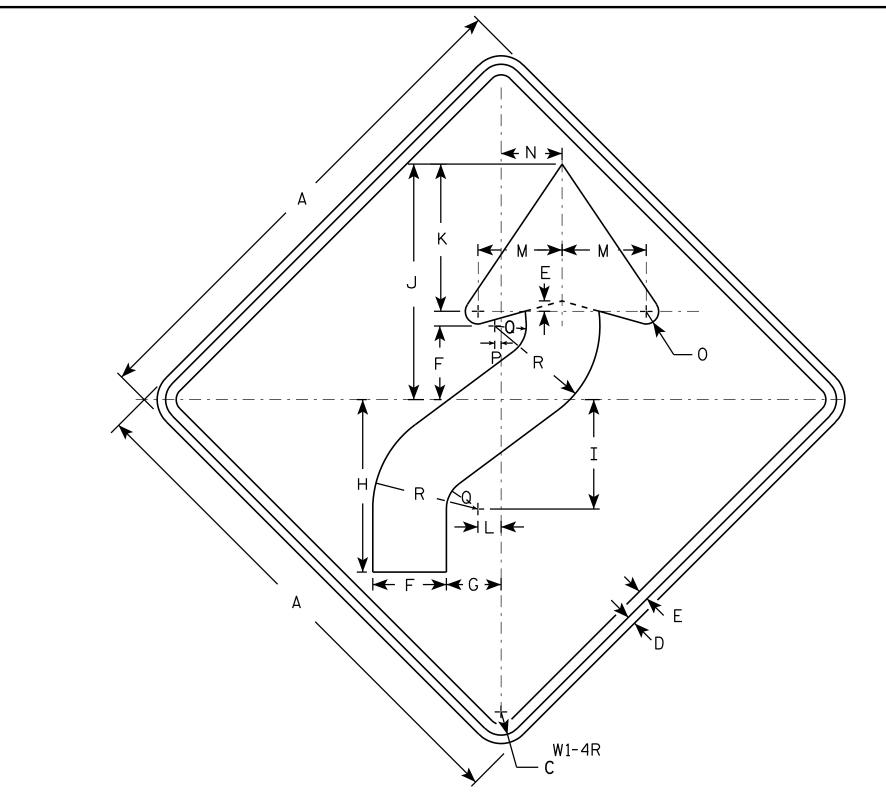
For State Traffic Engineer

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

SHEET NO:

PLOT BY: mscsja

PLOT NAME :



- 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.

3 1/2 2 5/8 8 1/4 5 1/4 11 1/4 5/8 1/4 1 1/2 5 24 1 1/8 4.0 25 3 5/8 3/4 3/8 1 1/8 6 1/4 30 4 3/8 3 1/4 10 1/4 6 1/2 14 8 3/4 1 3/8 6.25 36 12 3/8 7 1/8 16 1/8 10 1/2 1 5/8 4 1/2 1 1/2 2 1/4 7 1/2 9.0 3 12 3/8 7 1/8 16 1/8 10 1/2 1 5/8 36 5 1/4 4 1/2 | 1 1/2 2 1/4 7 1/2 9.0 4 36 1 % 5 1/4 | 12 3/8 | 7 3/8 | 16 3/8 | 10 1/2 | 1 5/8 4 1/2 1 2 1/4 7 1/2 1/2 9.0 5 48 5 1/4 16 1/2 10 1/2 22 1/2 14 2 1/4 6 1 1/4 16.0

COUNTY:

STANDARD SIGN W1-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Raul for State Traffic Engineer

DATE 5/17/12

PLATE NO. W1-4.11

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr\_stdplate\W14.DGN

PROJECT NO:

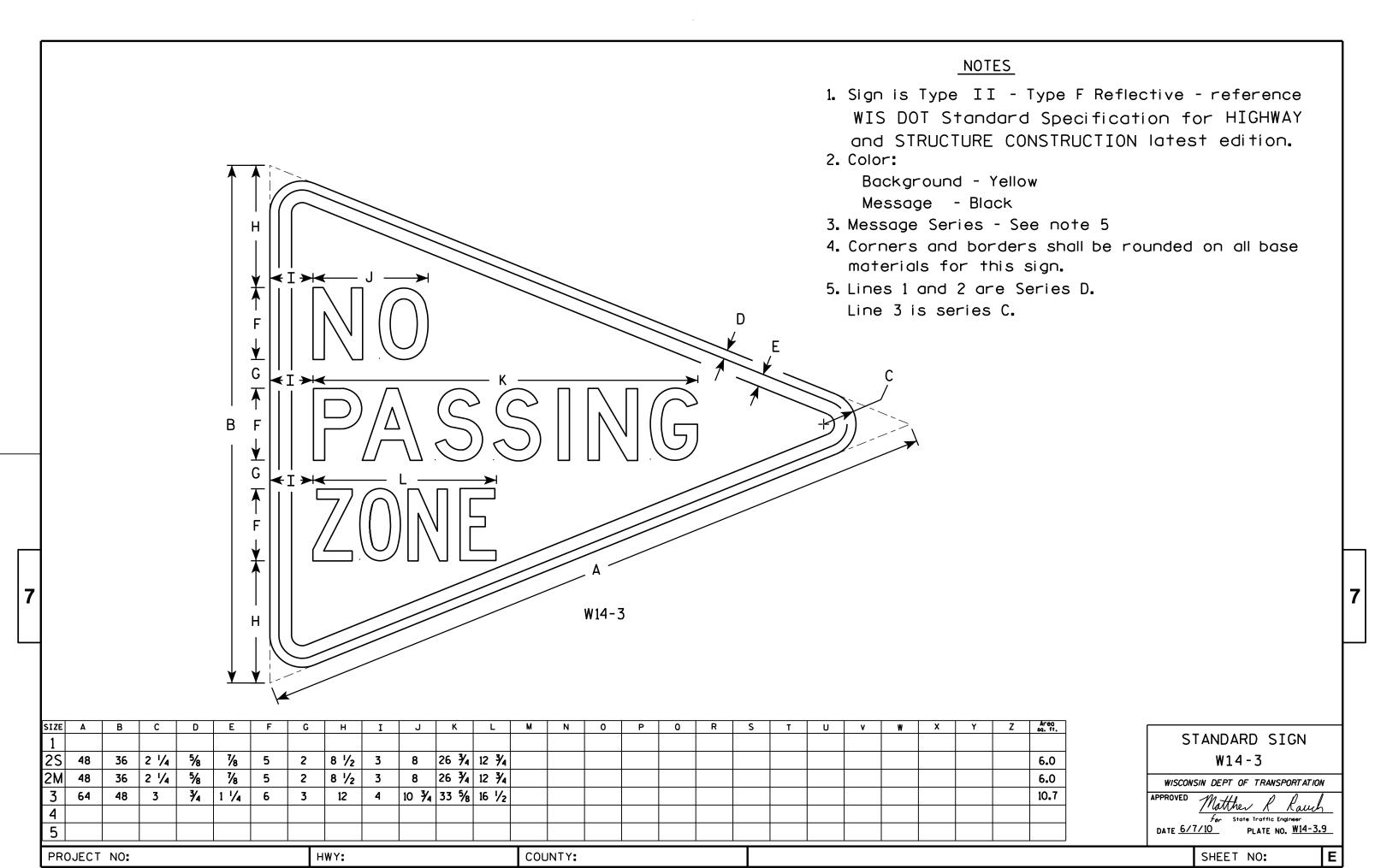
HWY:

PLOT DATE: 17-MAY-2012 13:20

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE : 5.706180:1.000000



FILE NAME : C:\Users\PROJECTS\tr\_stdplate\W143.DGN

PLOT DATE: 07-JUN-2010 13:11

PLOT BY: ditjph

PLOT NAME :

PLOT SCALE: 5.710749:1.000000

- 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.

	<b>A A</b>
	G
	<u>↓</u> B
N + H - H	
A	
W1-6	

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	٧	W	Х	Y	Z	Areo sq. ft.
1	36	18	1 1/8	3∕8	3/8		9	10	3/4	5 %	4 3/4	2 3/8	14 %	29 1/4													4.5
25	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 ¾													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 ¾													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

COUNTY:

STANDARD SIGN W1-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Ma

For State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-6.8

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\W16.DGN

HWY:

PROJECT NO:

PLOT DATE: 07-JUN-2010 10:37

PLOT BY : ditjph

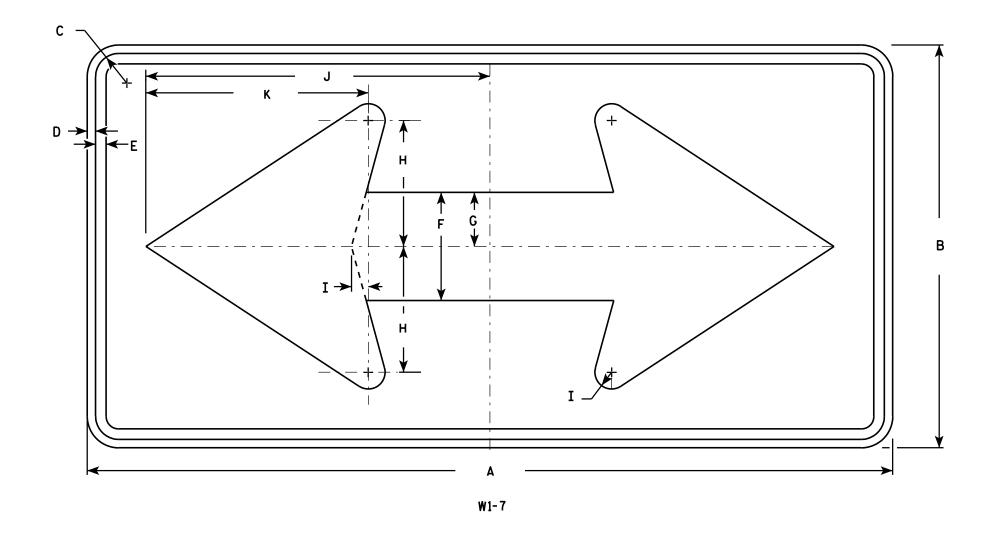
PLOT NAME :

PLOT SCALE: 5.959043:1.000000

- 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	Α	В	С	D	Е	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	<b>-</b>	٧	W	Х	Y	Z	Area sq. ft.
1	36	18	1 1/8	3⁄8	1/2	5	2 1/2	5 ¾	₹4	15 %	10 1/8																4.5
2S	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
2M	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
3	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25	16 1/4																12.5
4	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 ¾	16 1/4																12.5
5	96	48	2 1/4	3/4	1	13	6 1/2	15	2	41	26 1/2																32.0

COUNTY:

STANDARD SIGN W1-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Law

For State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-7.7

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\W17.DGN

PROJECT NO:

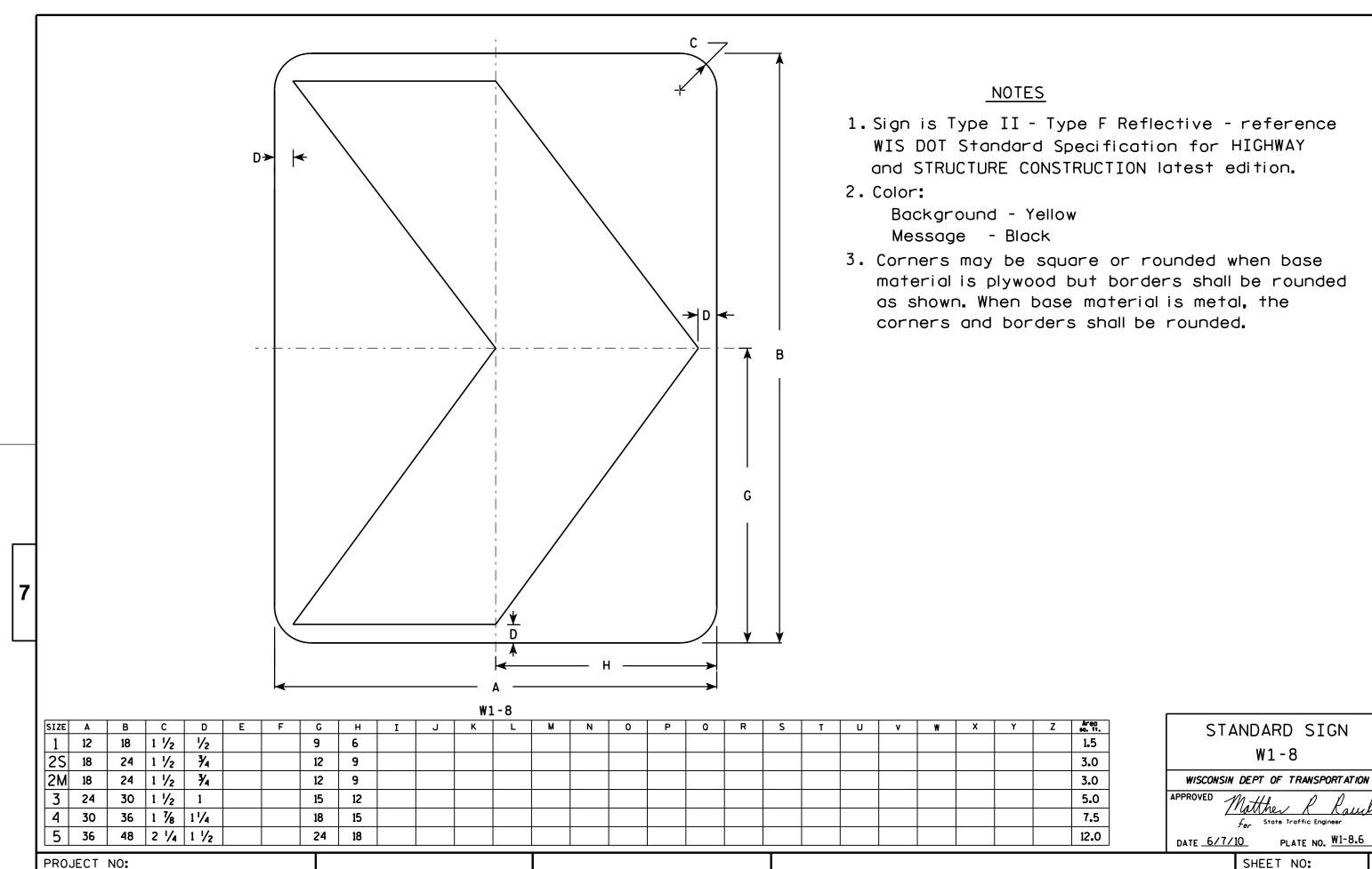
HWY:

PLOT DATE: 07-JUN-2010 12:35

PLOT BY : ditjph

PLOT NAME :

PLOT SCALE: 5.720679:1.000000



FILE NAME : C:\Users\PROJECTS\tr\_stdplate\W18.DGN

PLOT DATE: 07-JUN-2010 12:55 PLOT BY : ditjph PLATE NO. W1-8.6

W1 - 8

For State Traffic Engineer

SHEET NO:

- 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.

A F	G ↑ H → D D D D D D D D D D D D D D D D D D

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	T	U	٧	₩	Х	Y	Z	Areo sq. fi.
1	24		1 1/8	3∕8	1/2	20	2	4	10	8																	4.0
25	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	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																											

COUNTY:

STANDARD SIGN W2-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Rauch For State Traffic Engineer

DATE 5/29/12

PLATE NO. <u>W2-2.6</u>

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr\_stdplate\W22.DGN

PROJECT NO:

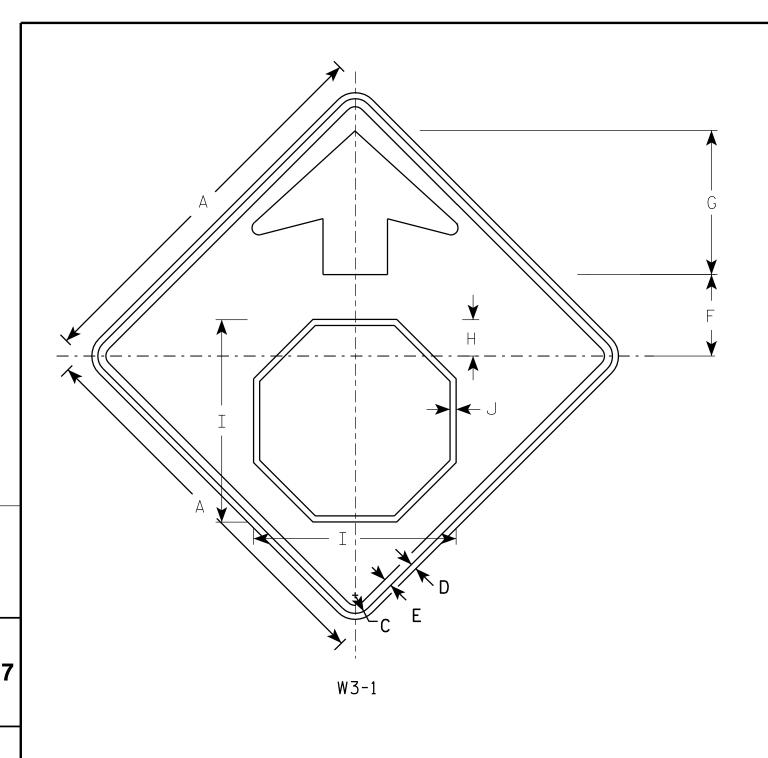
HWY:

PLOT DATE: 29-MAY-2012 10:18

PLOT BY: mscsja

PLOT NAME :

PLOT SCALE: 6.202372:1.000000

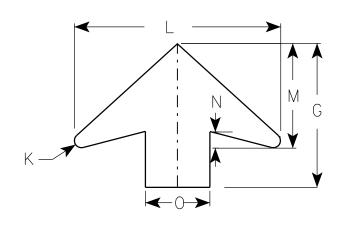


- 1. All Signs Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - YELLOW

Arrow & Border - BLACK

Stop Symbol - WHITE BORDER ON RED BACKGROUND



ARROW	DFTAII
AININOW	DLIAL

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	P	0	R	S	Т	U	٧	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	6 1/4	11 1/4	2 %	15 3/4	1/2	1/2	16	8	1 1/4	5												6.25
2S	36		1 %	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 %	6												9.0
2M	36		1 %	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
3	36		1 %	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 %	6												9.0
4	48		2 1/4	3/4	1	10	17 1/8	4 1/2	25 1/8	3/4	<b>7</b> /8	25 %	13	2	8												16.0
5	48		2 1/4	3/4	1	10	17 1/8	4 1/2	25 1/8	3/4	<b>½</b>	25 %	13	2	8												16.0

STANDARD SIGN W3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Ra

For State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-1.12

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\W31.DGN

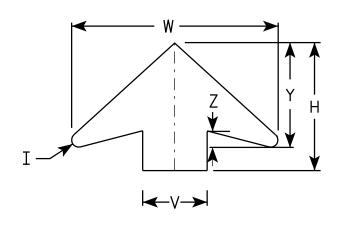
PROJECT NO:

- 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	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Area sq. ft.
1																											
25	36		1 %	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 %	9.0
2M	36		1 %	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 ¾	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 %	9.0
3	36		1 %	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 %	9.0
4	48		2 1/4	3/4	1	19 1/4	10 ¾	17 3/8	<b>%</b>	30	2 1/4	4	1 1/4	15	10	1 %	1/2	8	9 1/4	9	12	8	25 %	3/8	13	2	16.0
5	48		2 1/4	3/4	1	19 1/4	10 ¾	17 3/8	<b>1</b> / <sub>8</sub>	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 ¾	12	8	25 %	3/8	13	2	16.0

STANDARD SIGN W3-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch

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

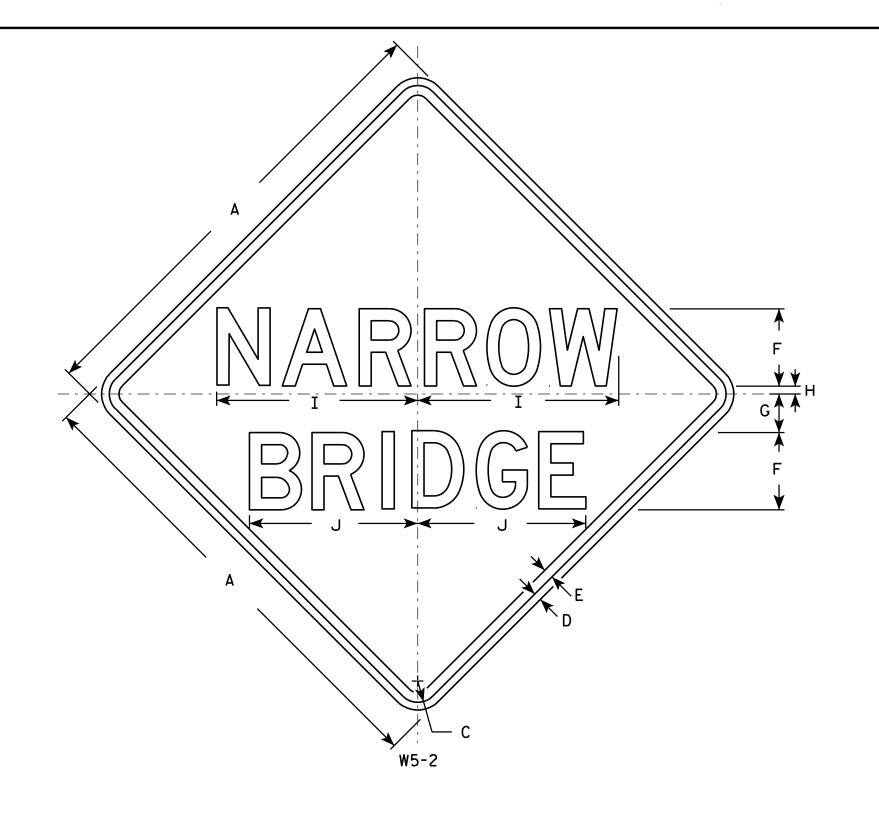
SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr\_stdplate\W35.DGN

PROJECT NO:

PLOT DATE: 29-MAY-2012 10:52

PLOT BY: mscsja



- 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.

1/2 2 1/2 1/2 5⁄8 5 13 10 1/8 1 3/8 6.25 30 2S 36 5/8 3/4 15 % 13 1/8 1 1/8 9.0 6 2M 3 1 % 5/8 3/4 15 5/8 13 1/8 36 9.0 3/4 5/8 36 1 % 15 % 13 1/8 9.0 2 1/4 3/4 3/4 20 3/4 17 3/8 4 16.0 HWY: COUNTY: PROJECT NO:

STANDARD SIGN W5 - 2

WISCONSIN DEPT OF TRANSPORTATION

**APPROVED** 

*for* State Traffic Engineer

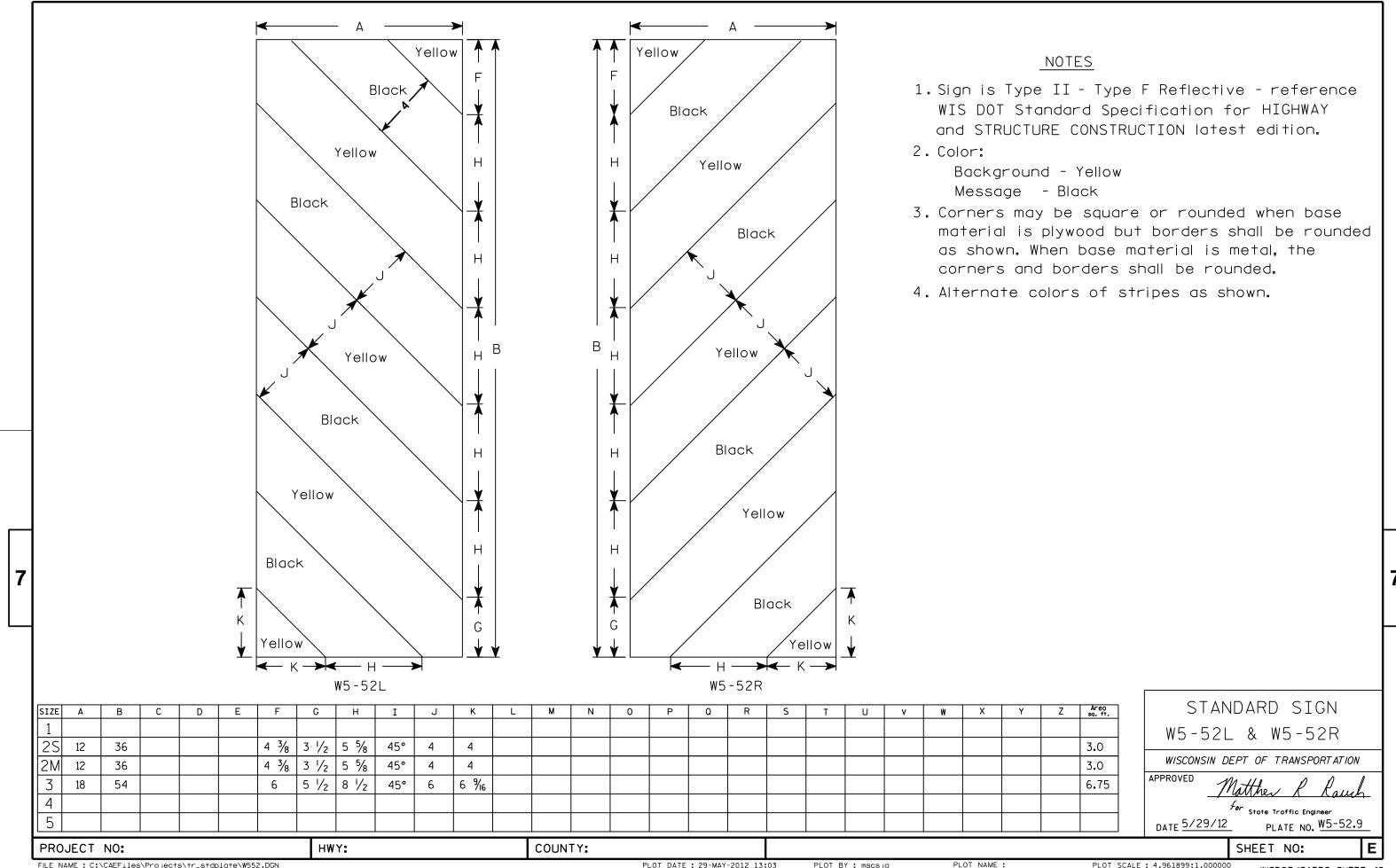
DATE 3/22/11

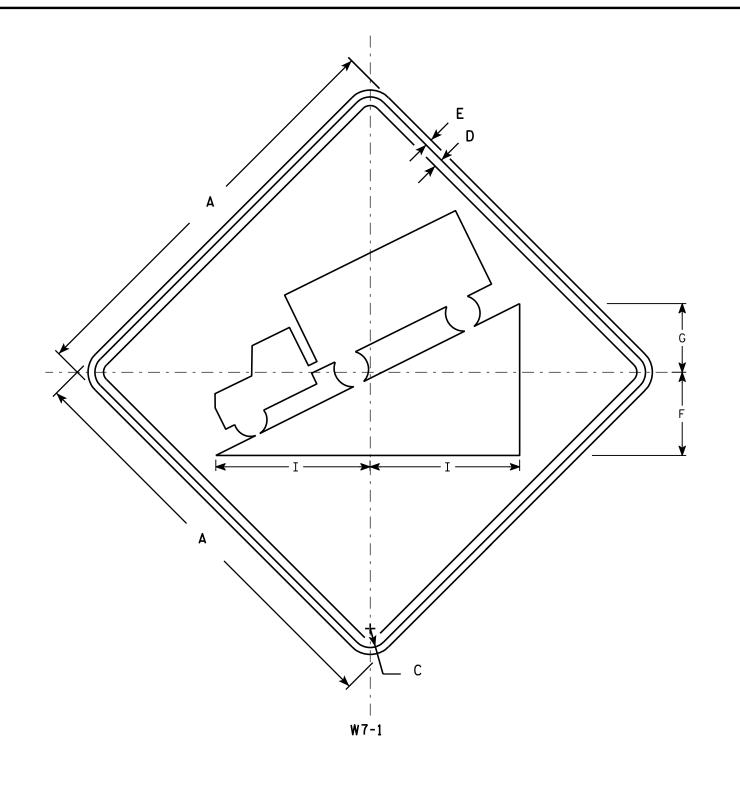
SHEET NO:

PLOT DATE: 18-APR-2011 14:46 PLOT NAME :

PLOT BY: mscj9h

PLATE NO. W5-2.7





- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Yellow Message - Black

- 3. Message Series D
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	T	U	v	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3∕8	3/8	5	4		8 3/4																		4.0
2S	30		1 3/8	1/2	5/8	6	5		11																		6.25
2M	36		1 %	5/8	3/4	7 1/4	6		13 1/4																		9.0
3	36		1 1/8	5/8	3/4	7 1/4	6		13 1/4																		9.0
4	36		1 1/8	5/8	3/4	7 1/4	6		13 1/4																		9.0
5	48		2 1/4	₹4	1	9 3/4	8		17 1/2																		16.0

COUNTY:

STANDARD SIGN W7-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 4/18/11 PLATE NO. W7-1.12

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\W71.DGN

PROJECT NO:

HWY:

PLOT DATE: 18-APR-2011 14:47

PLOT BY: mscj9h

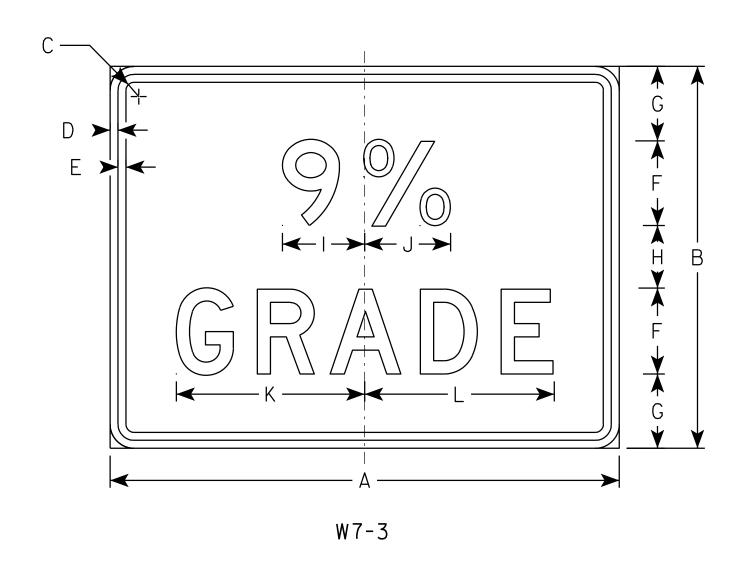
PLOT NAME :

PLOT SCALE: 6.952219:1.000000

- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Yellow Message - Black

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. Substitute appropriate numeral and optically adjust spacing to achieve proper balance.



SIZE	Α	В	С	D	E	F	G	н	I	J	К	L	M	N	0	Р	0	R	S	т	U	v	w	X	Y	Z	Area sq. ft.
1																											
25	24	18	1 1/8	3/8	3/8	4	3 1/2	3	3 %	4	8 1/8	9															3.0
2M	24	18	1 1/8	3/8	3/8	4	3 1/2	3	3 1/8	4	8 1/8	9															3.0
3																											
4																											
5																											
PRO	JECT	NO:	•		•	•	н	'Y:	•	•			COUN	ITY:				•								•	

STANDARD SIGN W7-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew /

For State Traffic Engineer

DATE 3/22/11 PLATE NO. W7-3.3

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\W73.DGN

PLOT DATE : 22-MAR-2011 13:58

PLOT BY: mscj9h

PLOT NAME: PLOT SCALE:

PLOT SCALE: 4.525149:1.000000

Notes



# Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov