MARSH AREA

WOODED OR SHRUB AREA

APR 2016 FEDERAL PROJECT STATE PROJECT ORDER OF SHEETS STATE OF WISCONSIN PROJECT 6430-07-60 WISC 2016106 DEPARTMENT OF TRANSPORTATION Typical Sections and Details Estimate of Quantities Miscellaneous Quantities PLAN OF PROPOSED IMPROVEMENT Right of Way Plat Section No. Plan and Profile Section No. Standard Detail Drawings Section No. Sign Plates **WINCHESTER - NEW LONDON** Section No. Section No. Computer Earthwork Data CTH W TO CTH D Section No. Cross Sections **USH 45** TOTAL SHEETS = 126 **WAUPACA COUNTY** STATE PROJECT NUMBER 6430-07-60 R-15-E R-14-E END PROJECT STA 386+95 X = 740817.322Y = 592276.013T-22-N HUCKLEBERRY Cincoe L. DESIGN DESIGNATION A.A.D.T. 2015 = 6,200 A.A.D.T. 2035 = 7,200 ____6 EVERTS LN NET EXCEPTION TO C/L LENGTH D.H.V. = 778 (2035) STA 186+76 - STA 188+28 SCHULTZ RD D.D. = 60/40 NET EXCEPTION TO C/L LENGTH -= 25.3% LONELY RD STA 116+40 - STA 134+85 DESIGN SPEED = 60 MPH **ESALS** = 3,014,900 TOGORGES RD **BEGIN PROJECT** STA 40+10 T-21-N HICKORY CT CONVENTIONAL SYMBOLS X = 740032.954Y = 557613.583 PROFILE PLAN CORPORATE LIMITS GRADE LINE ORIGINAL GROUND PROPERTY LINE MARSH OR ROCK PROFILE ROCK LOT LINE (To be noted as such) LABEL LIMITED HIGHWAY EASEMENT SPECIAL DITCH EXISTING RIGHT OF WAY STATE OF WISCONSIN GRADE ELEVATION PROPOSED OR NEW R/W LINE DEPARTMENT OF TRANSPORTATION CULVERT (Profile View) SLOPE INTERCEPT REPARED BY UTILITIES Surveyor REFERENCE LINE ERIN CHRISTIANSON ELECTRIC Destaner EXISTING CULVERT FIBER OPTIC Project Manage PROPOSED CULVERT GAS Regional Examiner SANITARY SEWER COMBUSTIBLE FLUIDS LAYOUT STORM SEWER SCALE L TELEPHONE HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY

UTILITY PEDESTAL

TELEPHONE POLE

POWER POLE

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TOTAL NET LENGTH OF CENTERLINE = 6.020 MI

DISTANCES MAY BE USED AS GROUND DISTANCES.

COORDINATES, OUTAGAMIE COUNTY, NADB3 (2007), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID

E

CONTRACT

GENERAL NOTES

CONTRACTOR WILL BE RESPONSIBLE FOR RESHAPING AND SEEDING ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY THEIR OPERATION OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS.

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

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

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

DNR LIAISON

BOBBI JO FISCHER 427 EAST TOWER DRIVE, SUITE 100 WAUTOMA WI 54982 PHONE: (920) 787-4686 (EXT. 3007)



UTILITIES

ANR PIPE LINE COMPANY - GAS/PETROLEUM

MATT HISCHKE

NORTH 4956 OAKCREST DRIVE

BONDUEL, WI 54107 PHONE: (715) 758-3345 MOBILE: (715) 460-4042

E-MAIL: Matthew Hischke@transcanada.com

AT&T WISCONSIN - COMMUNICATION LINE

JOE KASSAB

221 W EASHINGTON STREET FLR 4

APPLETON, WI 54911 PHONE: (920) 735-3206 E-MAIL: JK572K@ATT.com

CENTURYLINK - COMMUNICATION LINE

ROSS HARTWIG 236 LEFFERT STREET BERLIN, WI 54923 PHONE: (920) 361-8425 MOBILE: (920) 896-2867

E-MAIL: ross.hartwig@centurylink.com

WE ENERGIES - ELECTRIC

KENNETH VAN OSS 800 S LYNNDALE DRIVE APPLETON, WI 54912 PHONE: (920) 380-3318

E-MAIL: kenneth.van-oss@we-energies.com

WE ENERGIES - GAS/PETROLEUM

THOMAS BORCHART 800 S LYNNDALE DRIVE APPLETON, WI 54912 PHONE: (920) 380-3449 MOBILE: (920) 858-8473

E-MAIL: thomas.borchart@we-energies.com

Send all WE Energies Correstpondence to:

WE ENERGIES - ELECTRIC & GAS ATTN: LATROY BRUMFIELD ROOM A299

333 W EVERETT ST MILWAUKEE, WI 53203 PHONE: (414) 221-5617

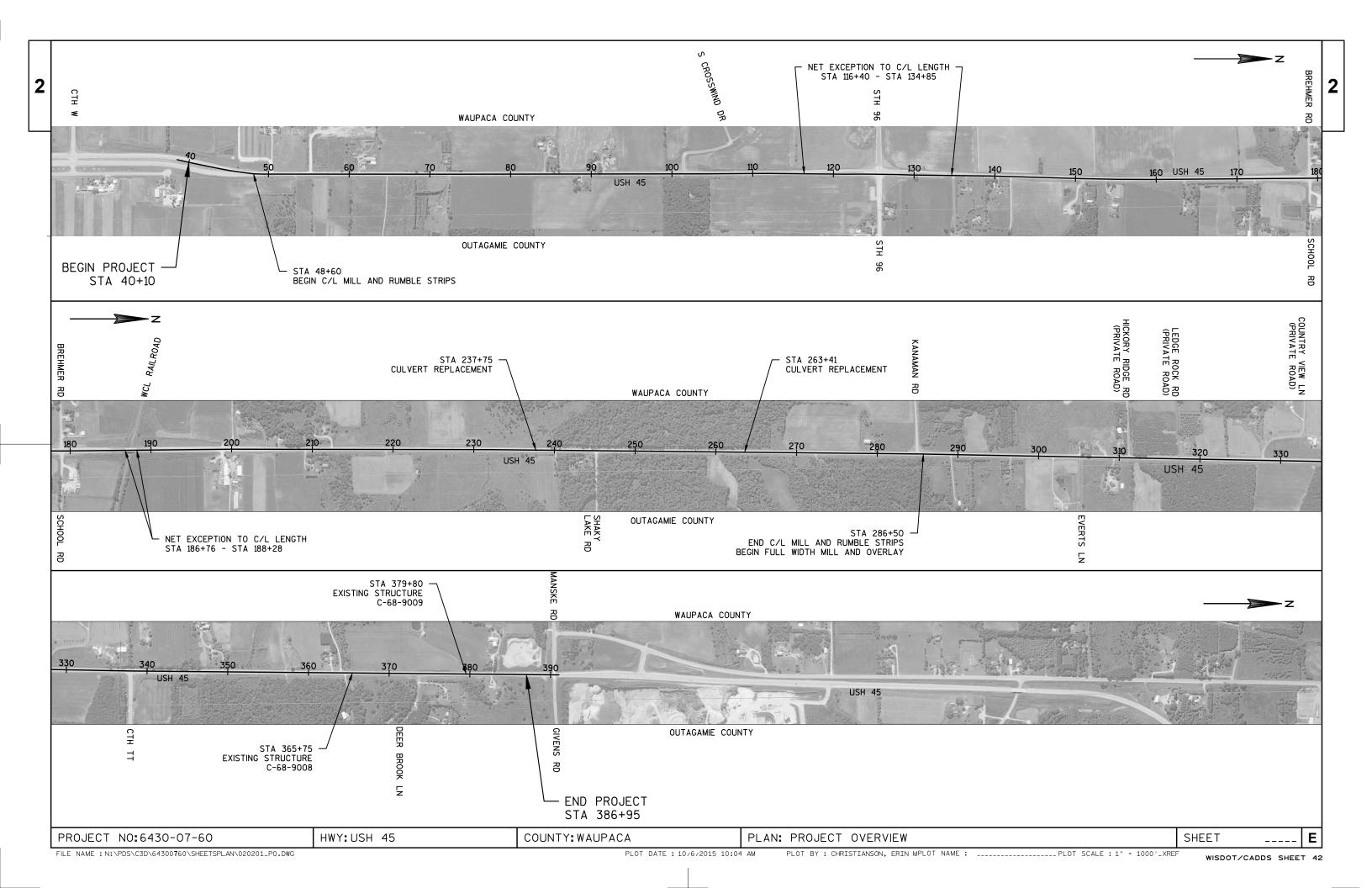
PLOT NAME : 020101 gn 60.ppt

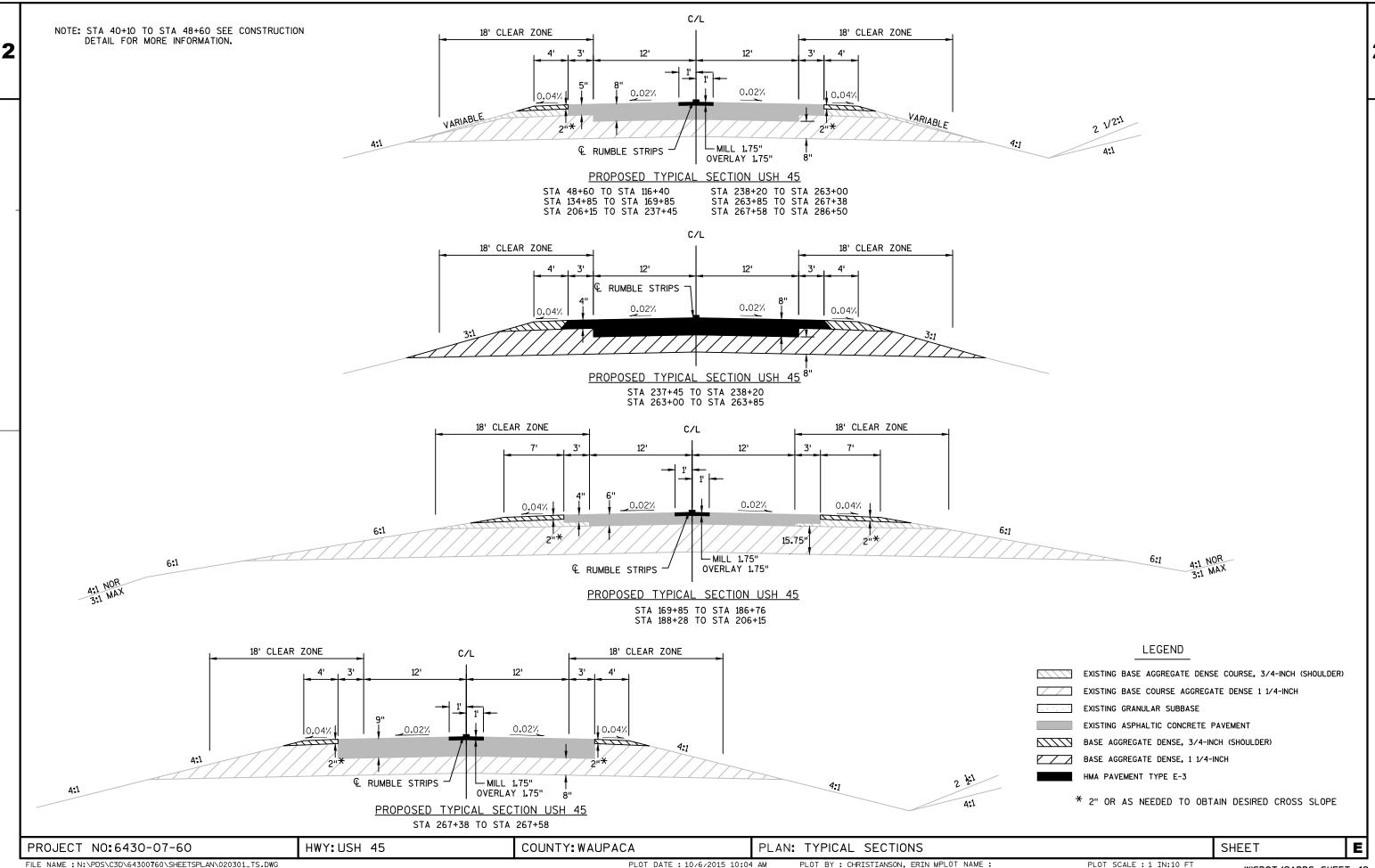
E-MAIL: latroy.brumfield@we-energies.com

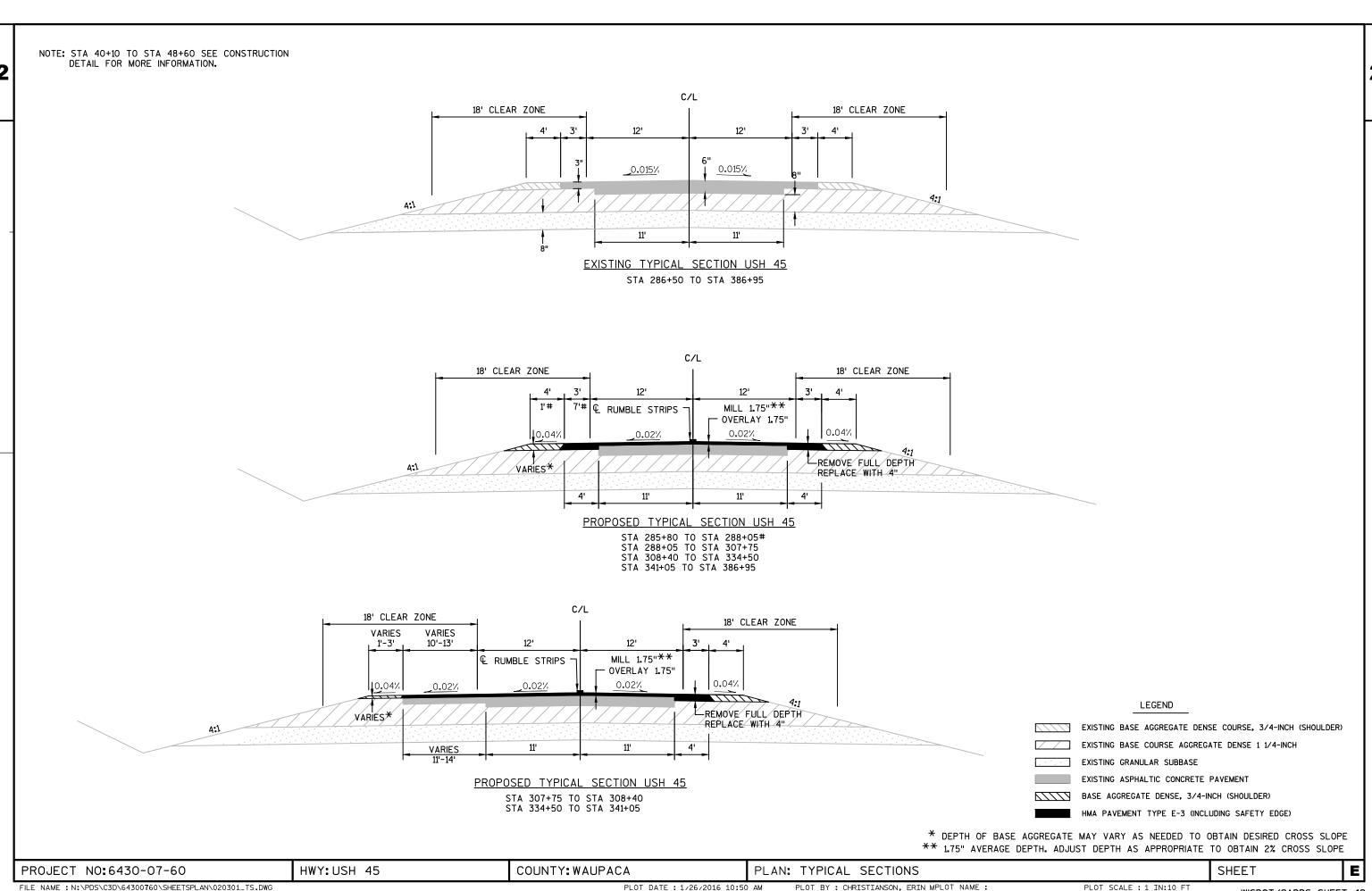
PLOT SCALE: 1:1

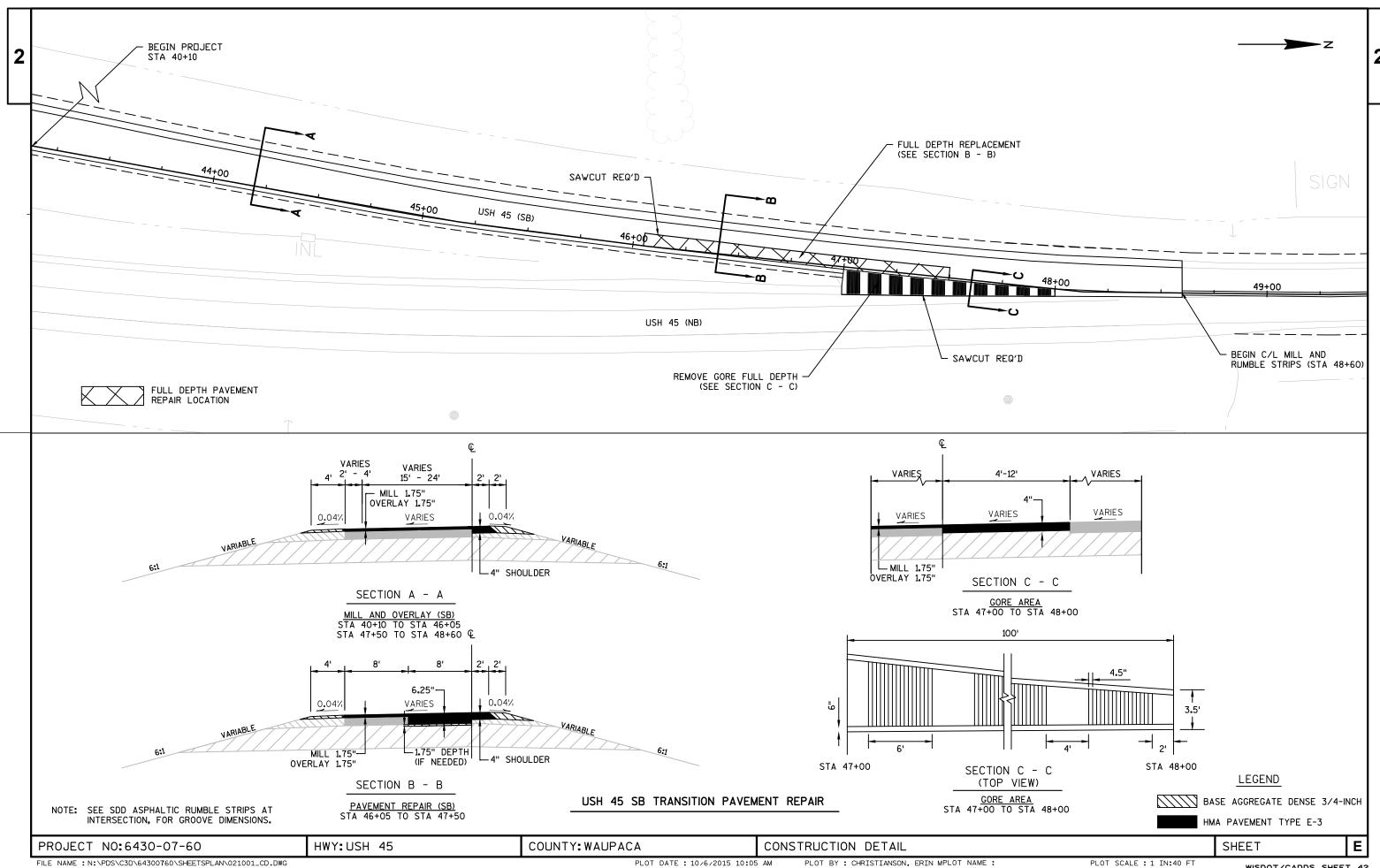
PROJECT NO: 6430-07-60 HWY: USH 45 COUNTY: WAUPACA GENERAL NOTES SHEET: **E**

PLOT DATE : 10/7/2015 1:41 PM









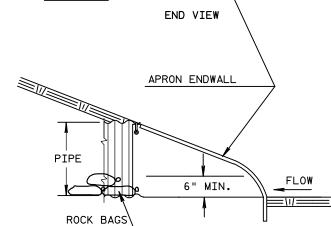
021001_cd - 01

PLOT DATE: 10/6/2015 10:05 AM

PLOT BY: CHRISTIANSON, ERIN MPLOT NAME:

PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

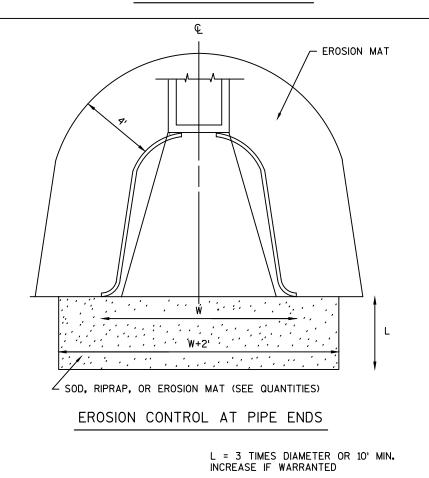


ROCK BAGS

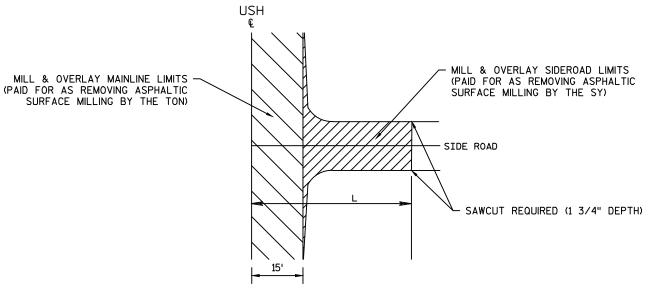
ESTIMATED BAG SIZE = 24" X 12" X 6"	
PIPE SIZE	ESTIMATED NO OF BAGS
18"	2
24"	3
30"	5
48"	10
54"	10
60"	13
72"	16

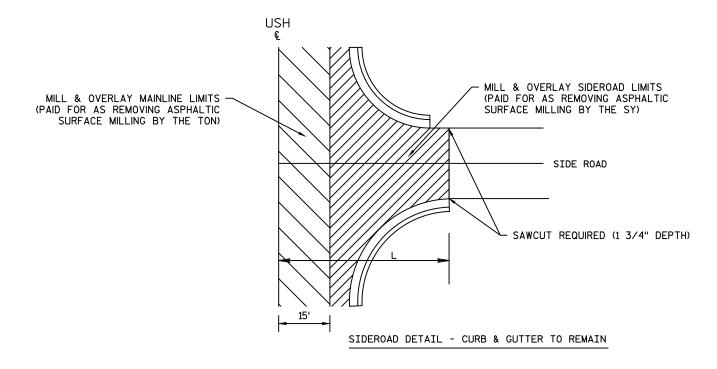
SIDE VIEW

CULVERT PIPE CHECKS



HWY: USH 45





L = VARIABLE, SEE INTERSECTION DETAILS FOR APPROXIMATE LIMITS.

REMOVING ASPHALTIC SURFACE MILLING LIMITS

SIDE ROAD DETAIL - NO CURB & GUTTER

EVERTS LN HICKORY RDIGE RD LEDGE ROCK RD COUNTRY VIEW LN CTH TT DEEK BROOK LN

Ε CONSTRUCTION DETAILS SHEET

FILE NAME : N:\PDS\C3D\64300760\SHEETSPLAN\021002_CD.DWG

PROJECT NO:6430-07-60

PLOT DATE: 1/26/2016 9:14 AM

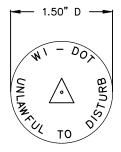
COUNTY: WAUPACA

PLOT BY: CHRISTIANSON, ERIN MPLOT NAME:

PLOT SCALE : 1" = 1'

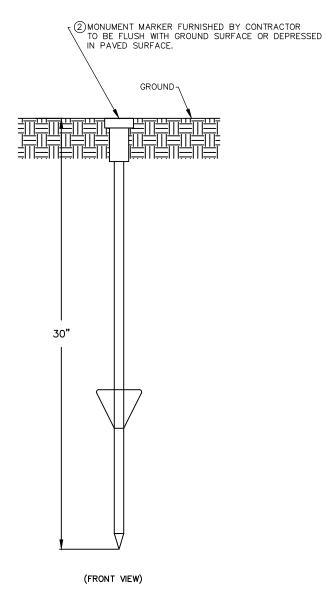
WISDOT/CADDS SHEET 42





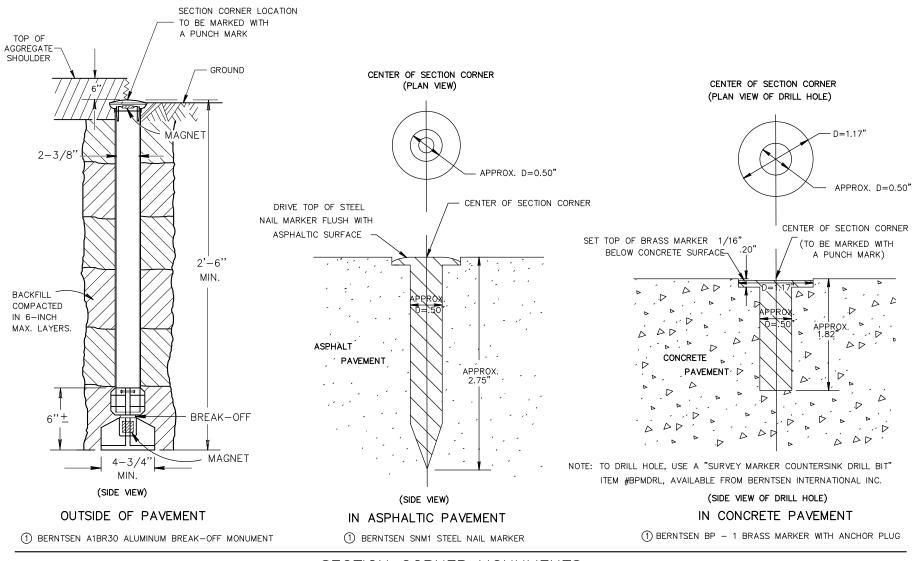
(2) WIS DOT MONUMENT CAP MARKER LOGO (SSDR130)

CONTRACTOR TO ORDER LANDMARK REFERENCE MONUMENTS WITH THE ABOVE STAMPING



BERNSTEN DRIVABLE MONUMENT SSDR130

LANDMARK REFERENCE MONUMENT (TIES ONLY)



SECTION CORNER MONUMENTS

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.

LOCATE LANDMARK REFERENCE MONUMENTS OUTSIDE THE CONSTRUCTION LIMITS AND WITHIN WISDOT RIGHT OF WAY. LOCATION TO BE APPROVED BY THE ENGINEER.

- 1) THE REGIONAL SURVEY COORDINATOR WILL SUPPLY.
- (2) CONTRACTOR WILL SUPPLY.

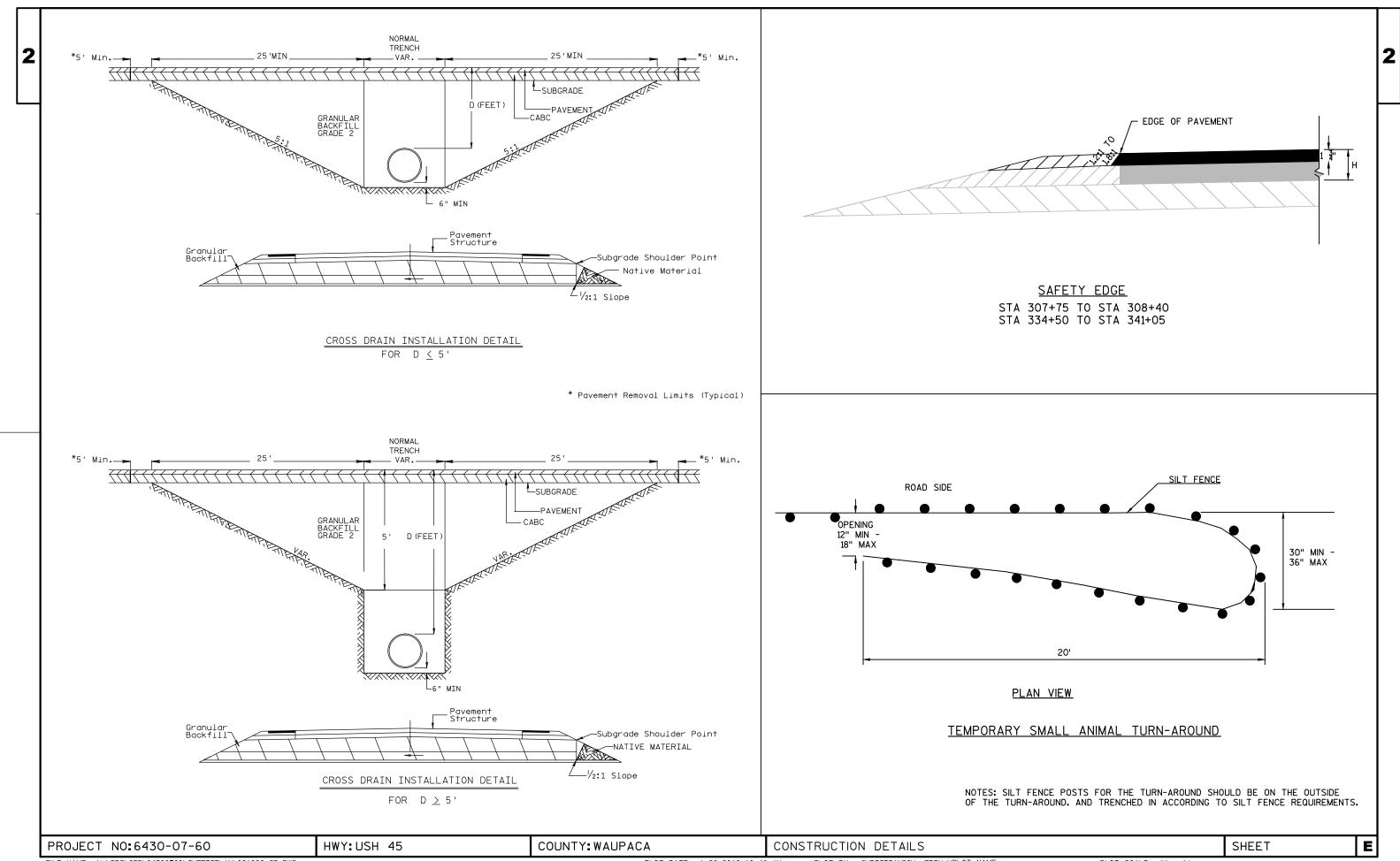
SECTION CORNER MONUMENT AND LANDMARK REFERENCE MONUMENT DETAIL

PROJECT NO:6430-07-60 HWY:USH 45 COUNTY:WAUPACA CONSTRUCTION DETAILS

FILE NAME: N:\PDS\\C3D\\64300760\SHEETSPLAN\021002_CD.DWG

PLOT DATE: 10/6/2015 10:06 AM PLOT BY: CHRISTIANSON, ERIN MPLOT NAME: PLOT SCALE: 1" = 1' WISPOT (GARDS GUEST 45)

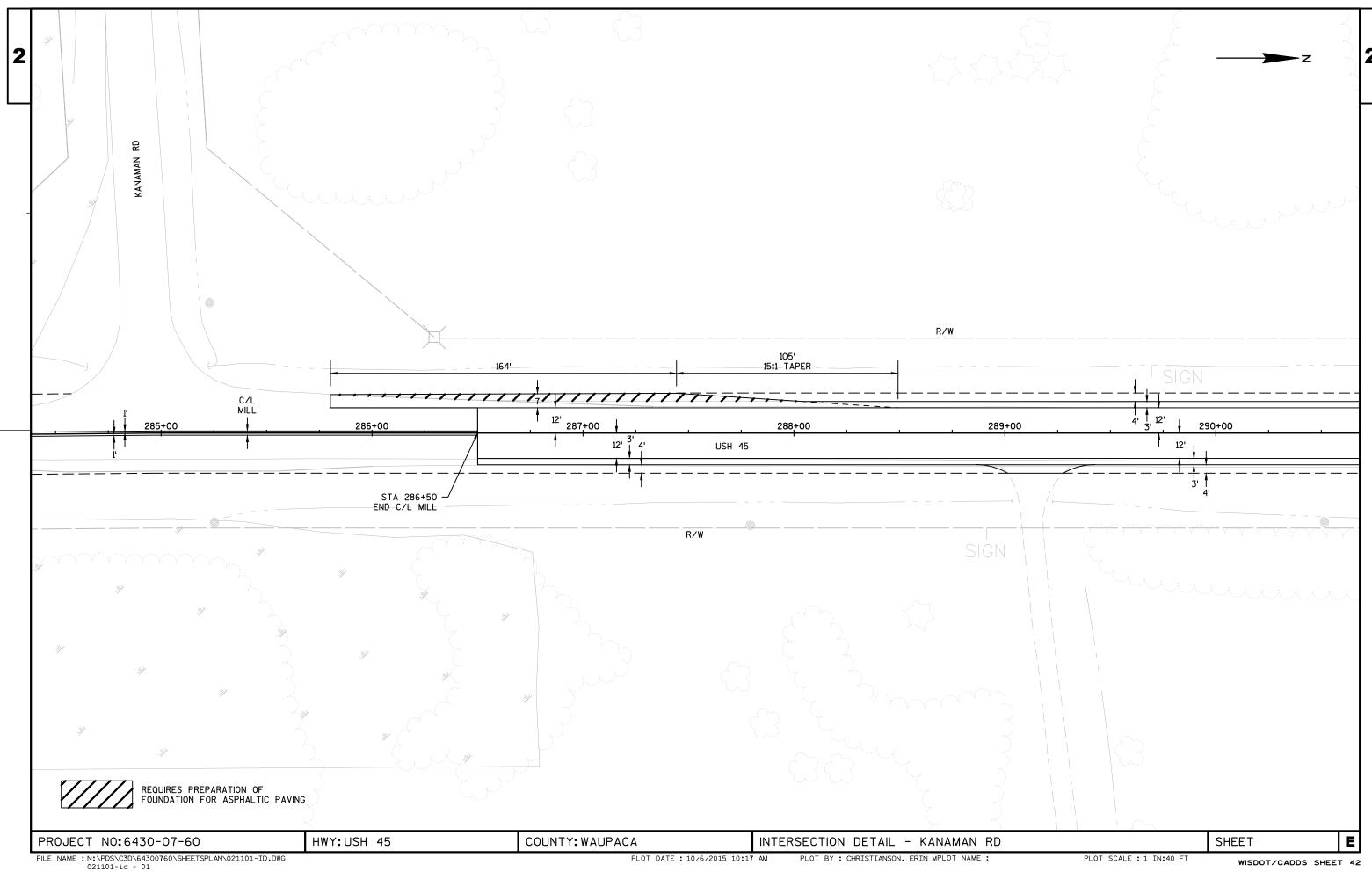
PLOT DATE: 10/6/2015 10:06 AM PLOT NAME: PLOT SCALE: 1" = 1' WISDOT/CADDS SHEET 42

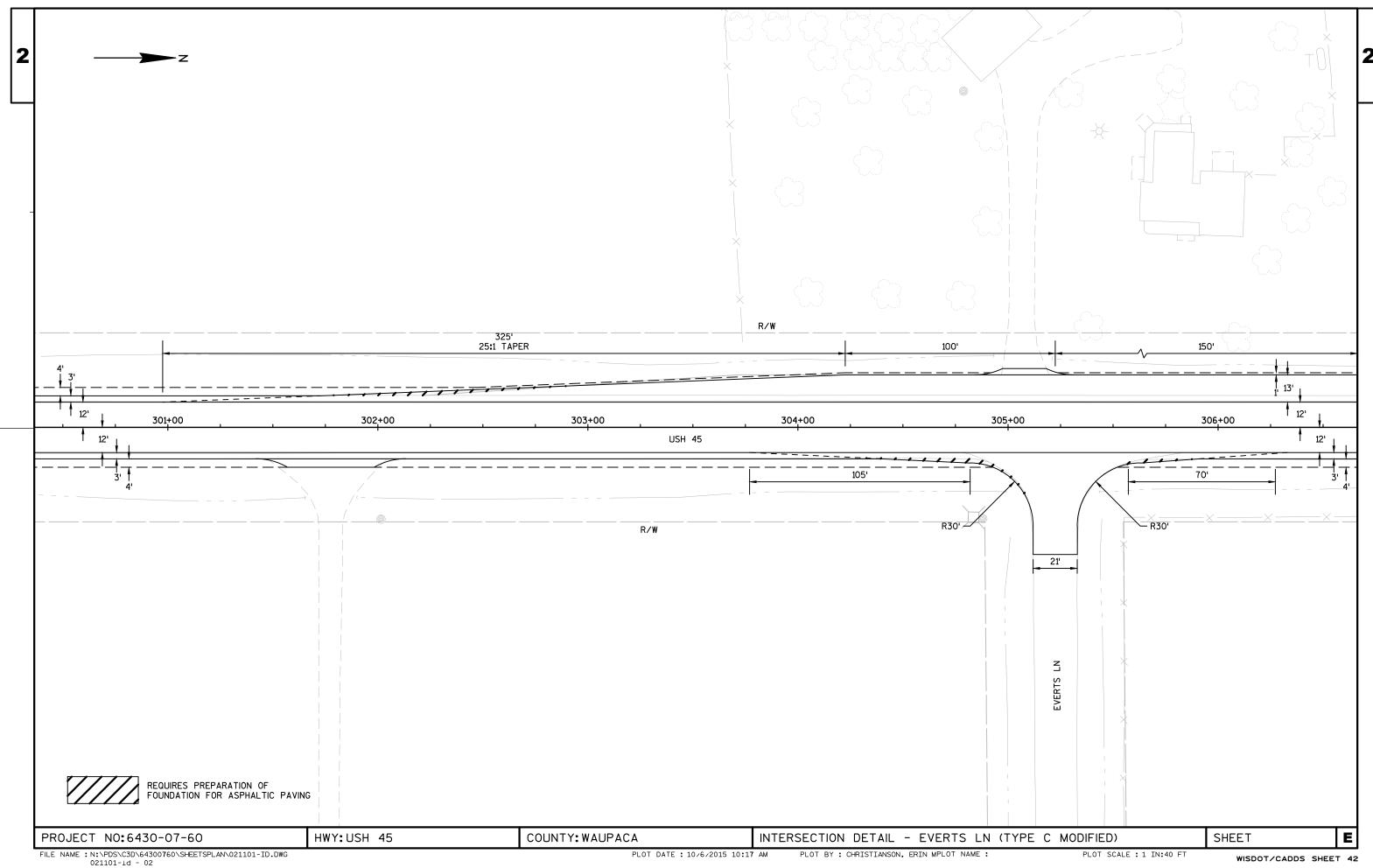


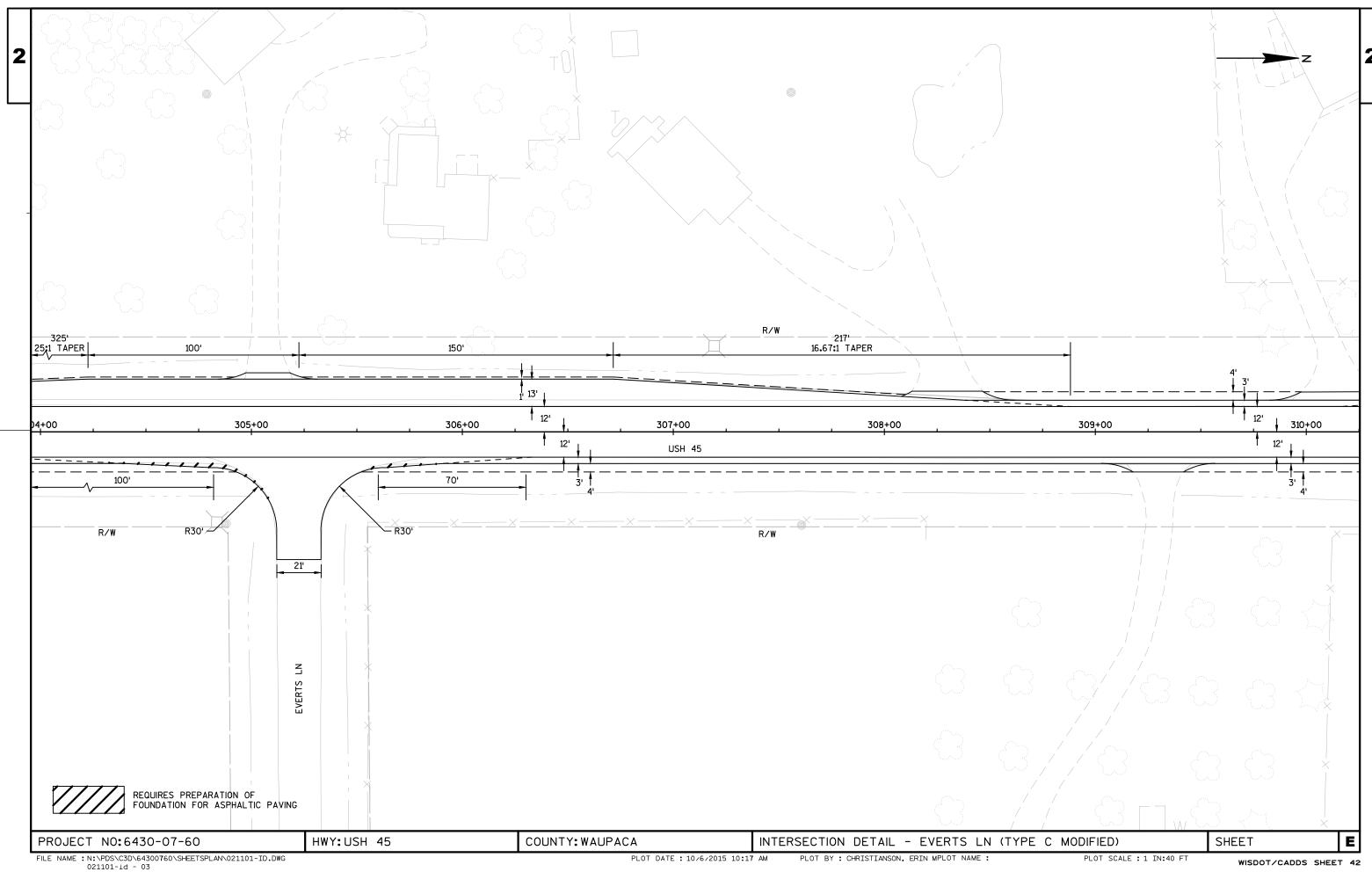
FILE NAME: N:\PDS\C3D\64300760\SHEETSPLAN\021002_CD.DWG

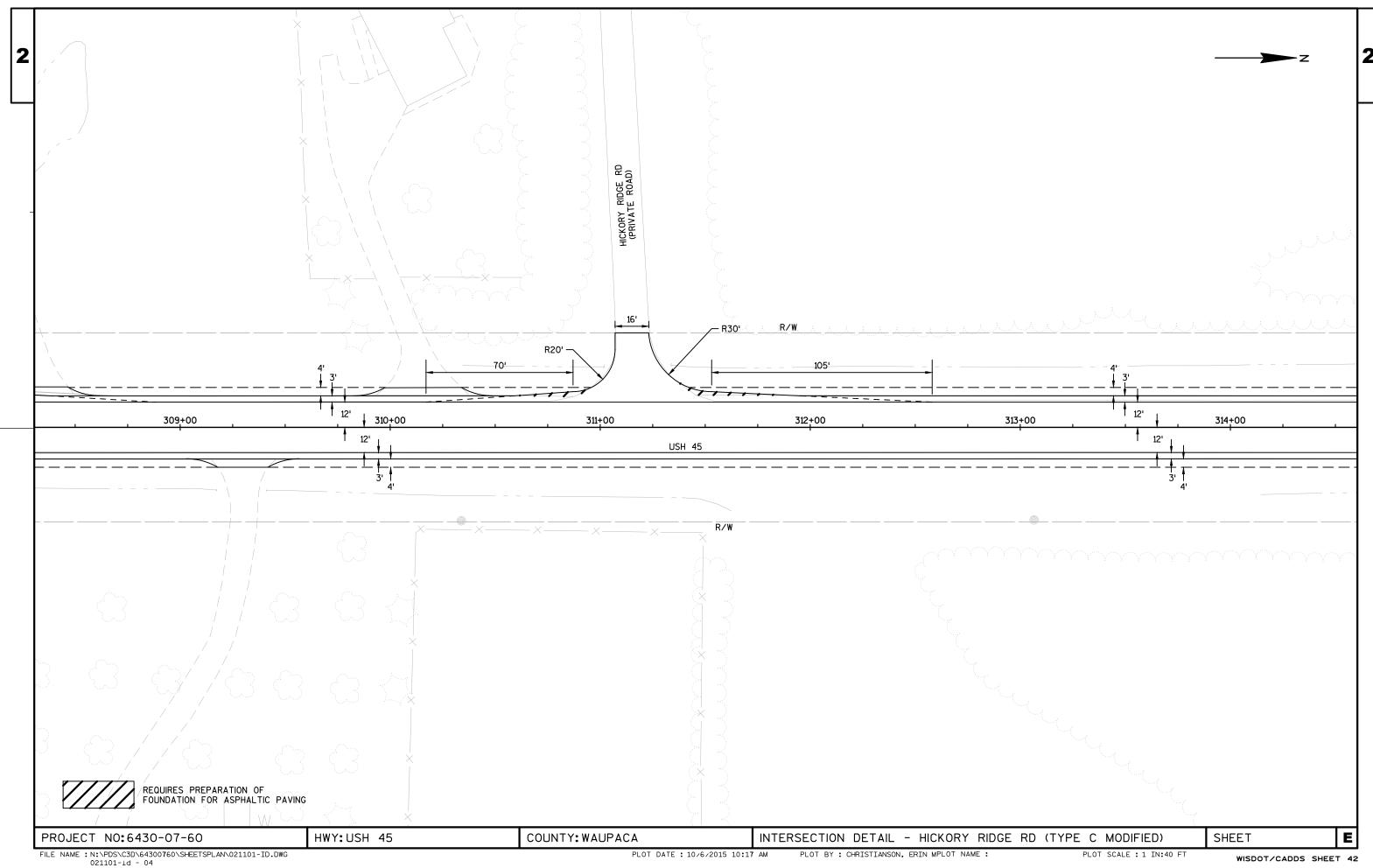
PLOT DATE: 1/26/2016 10:48 AM PLOT BY: CHRISTIANSON, ERIN MPLOT NAME: PLOT SCALE: 1" = 1'

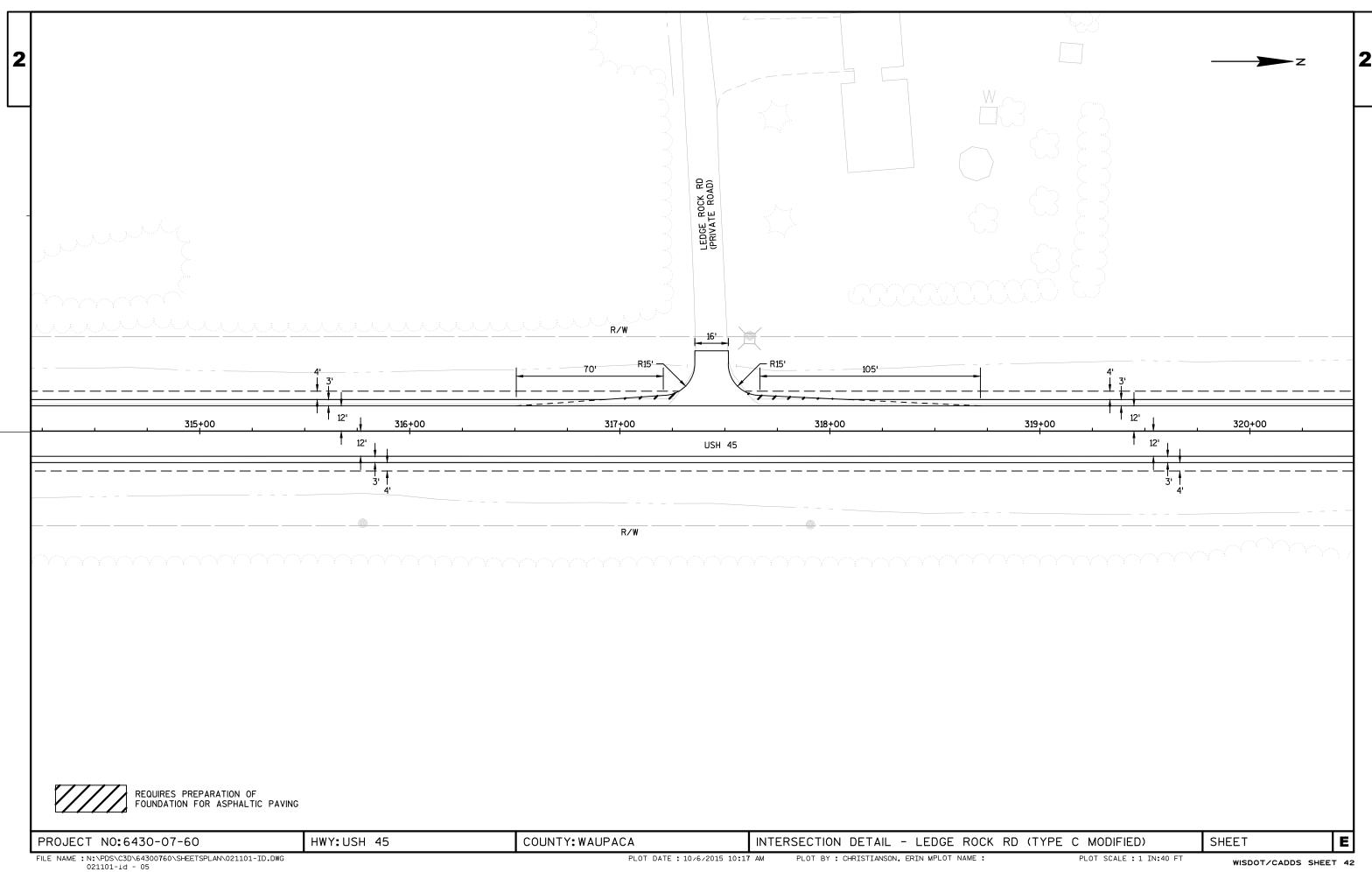
WISDOT/CADDS SHEET 42

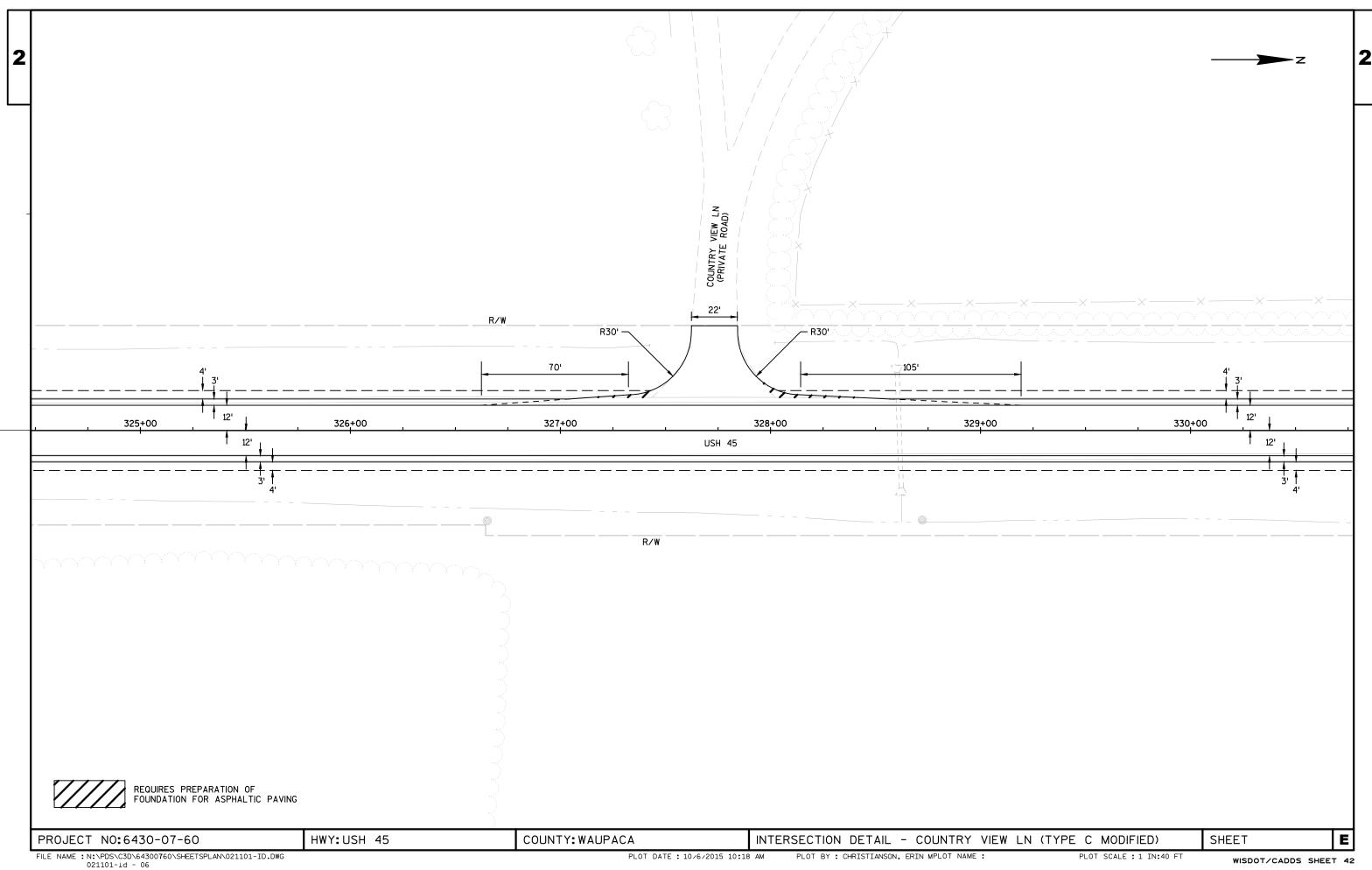


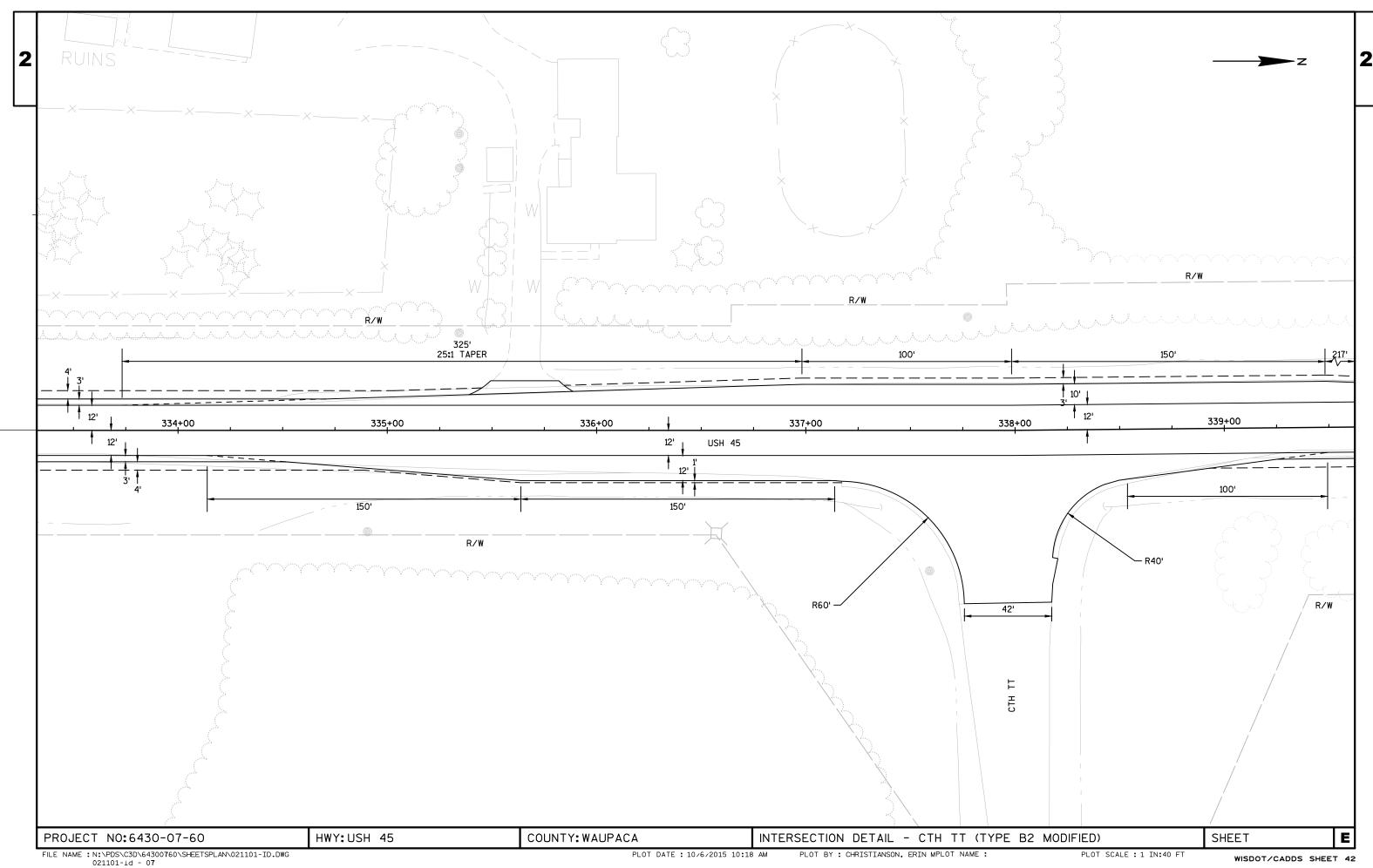




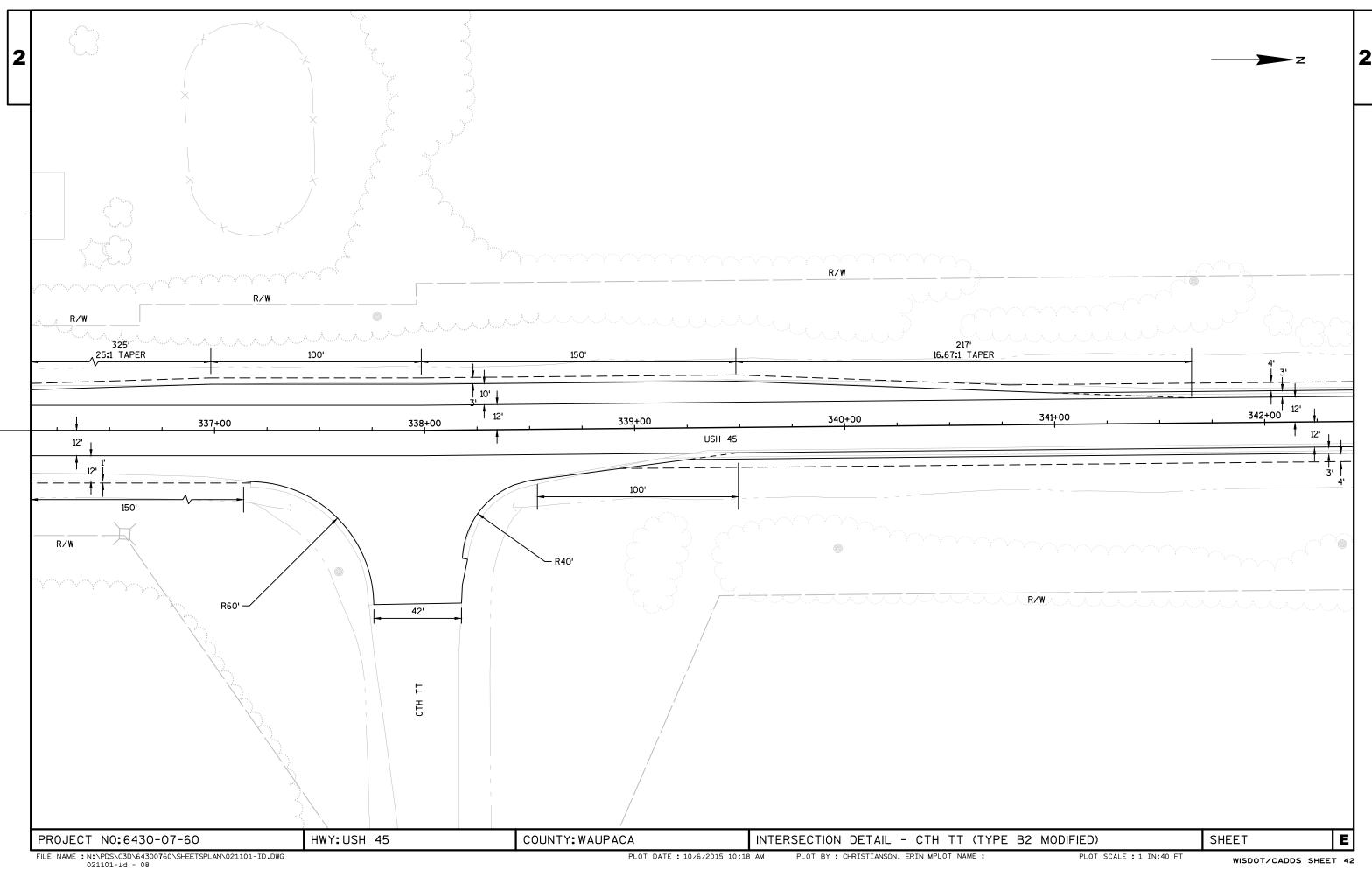


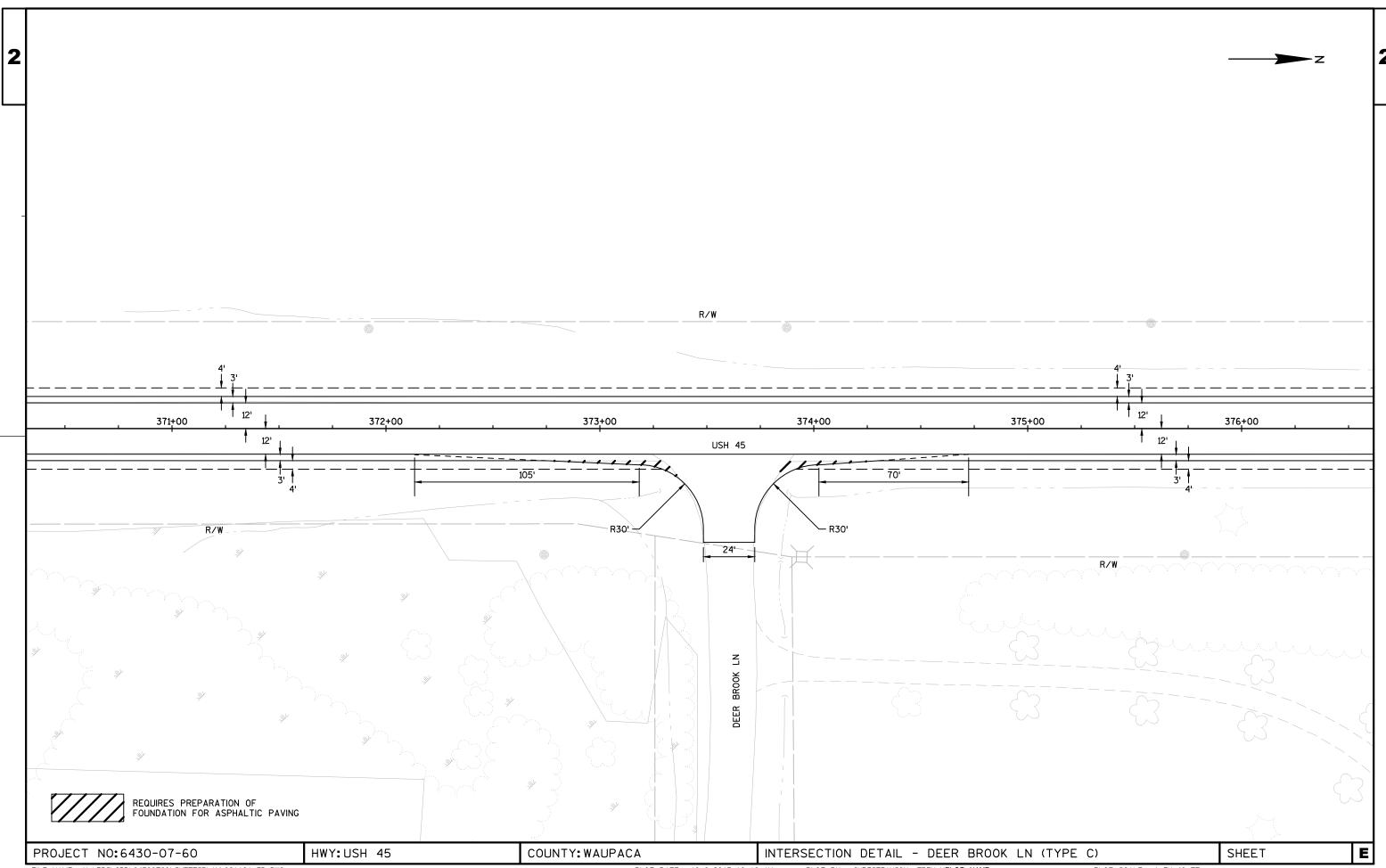


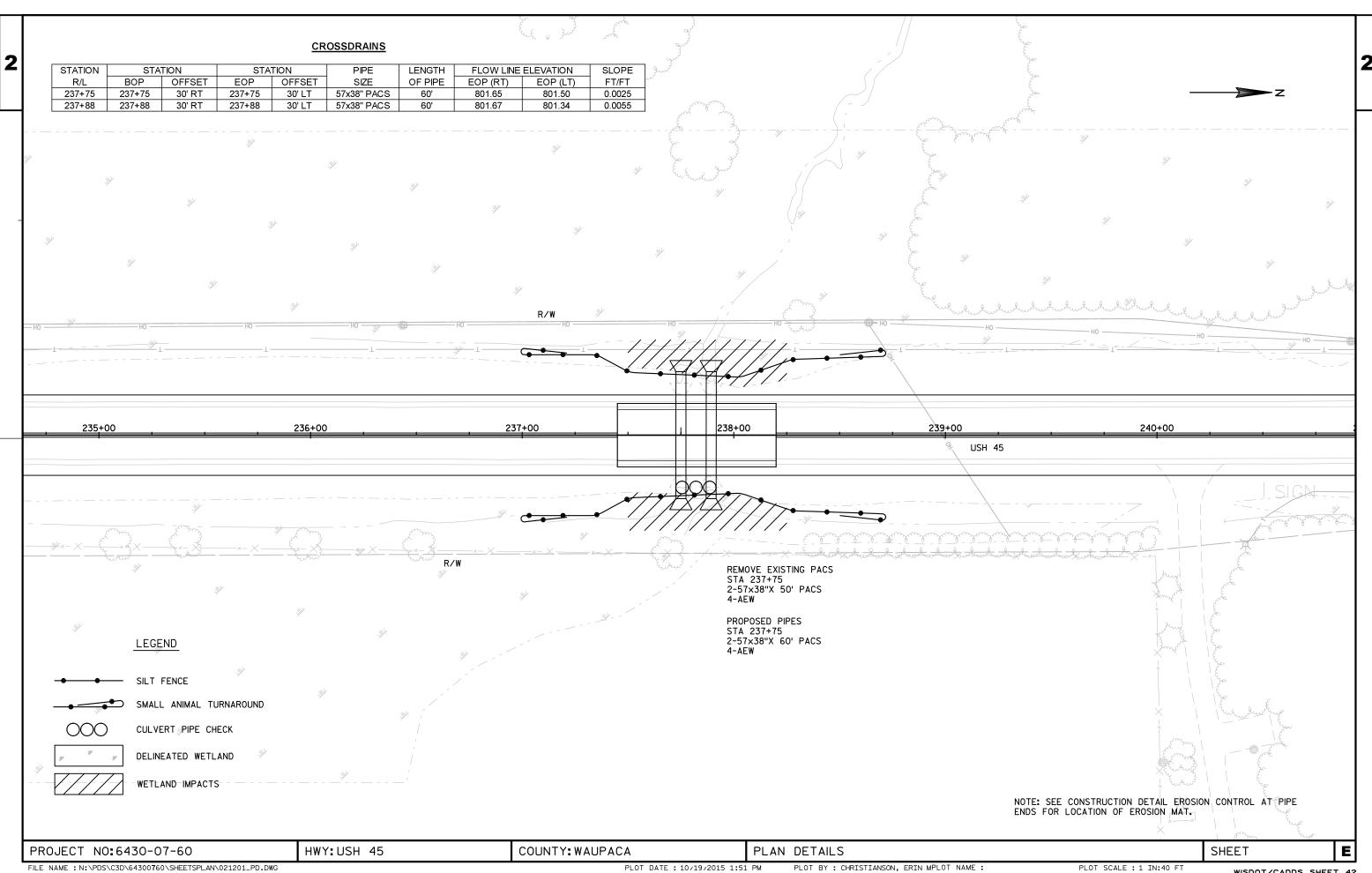


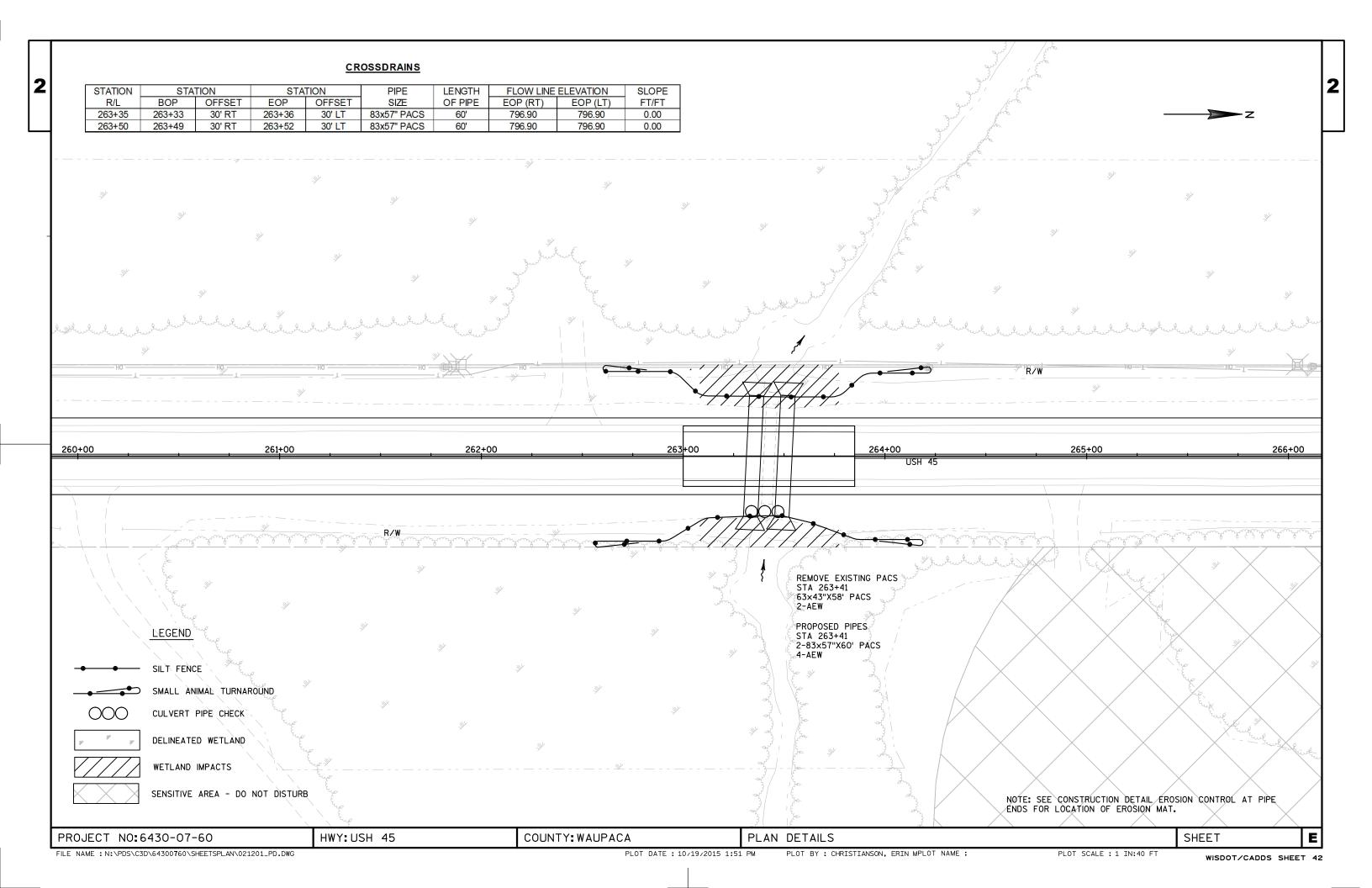


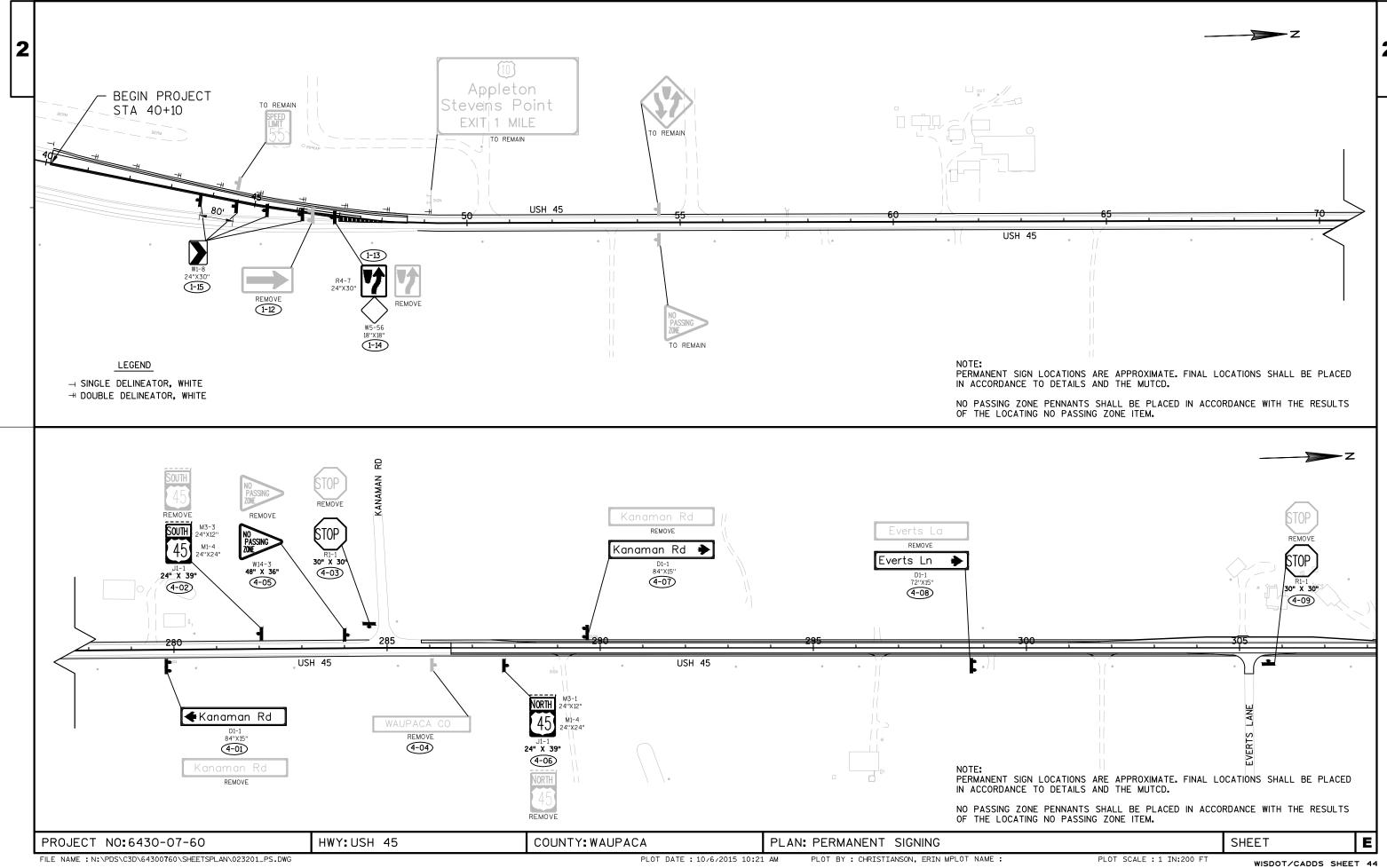
WISDOT/CADDS SHEET 42



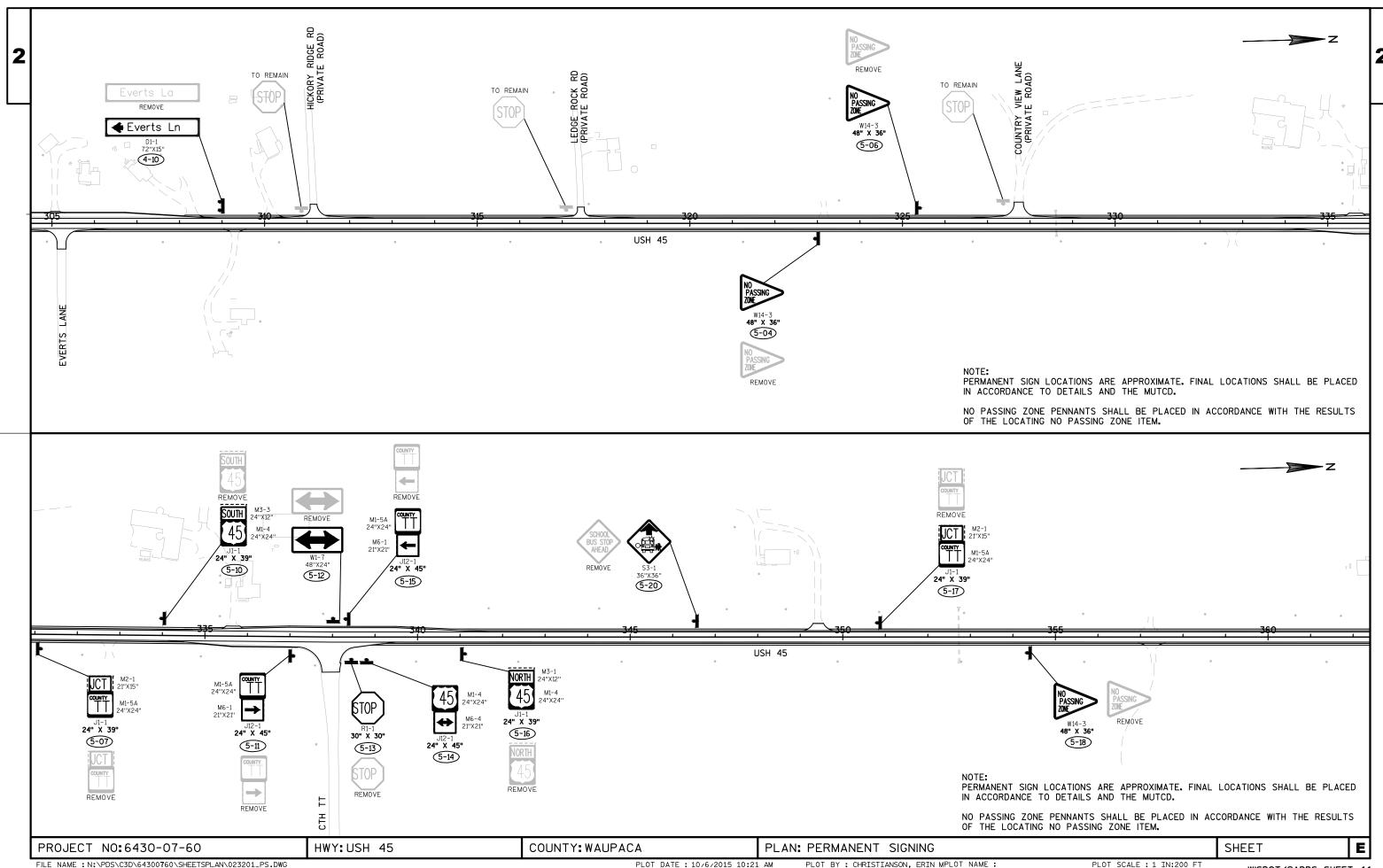


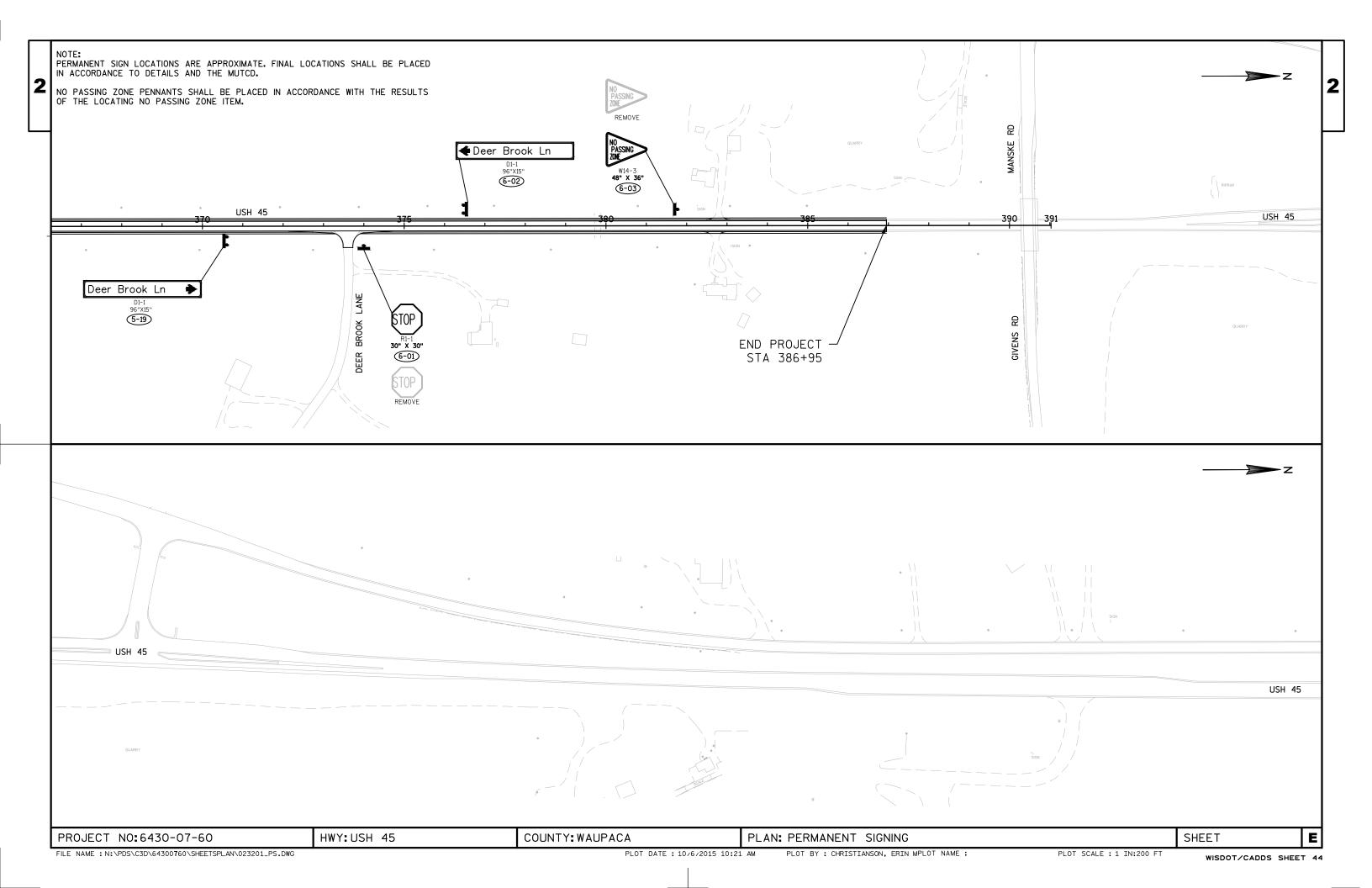


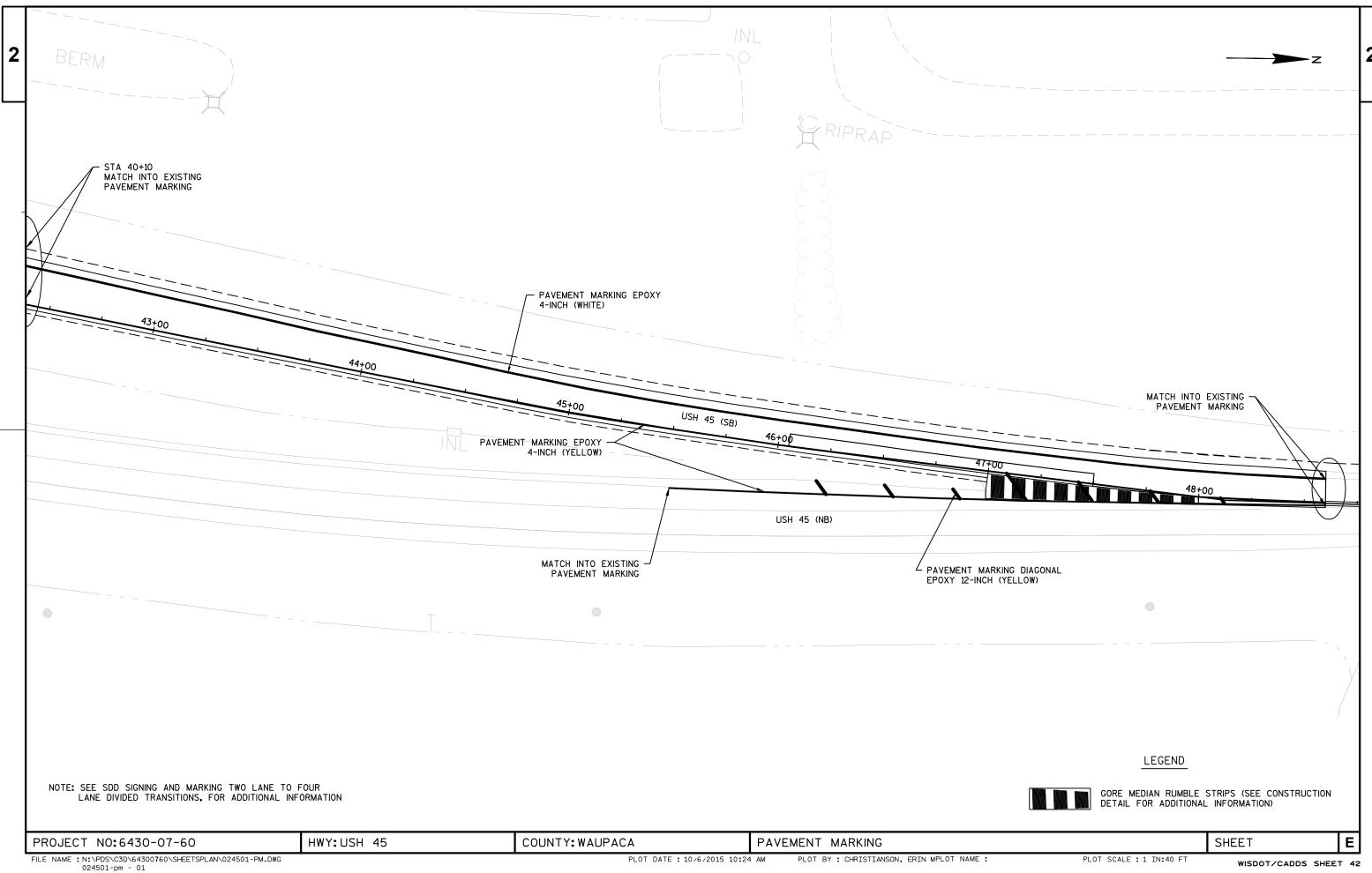


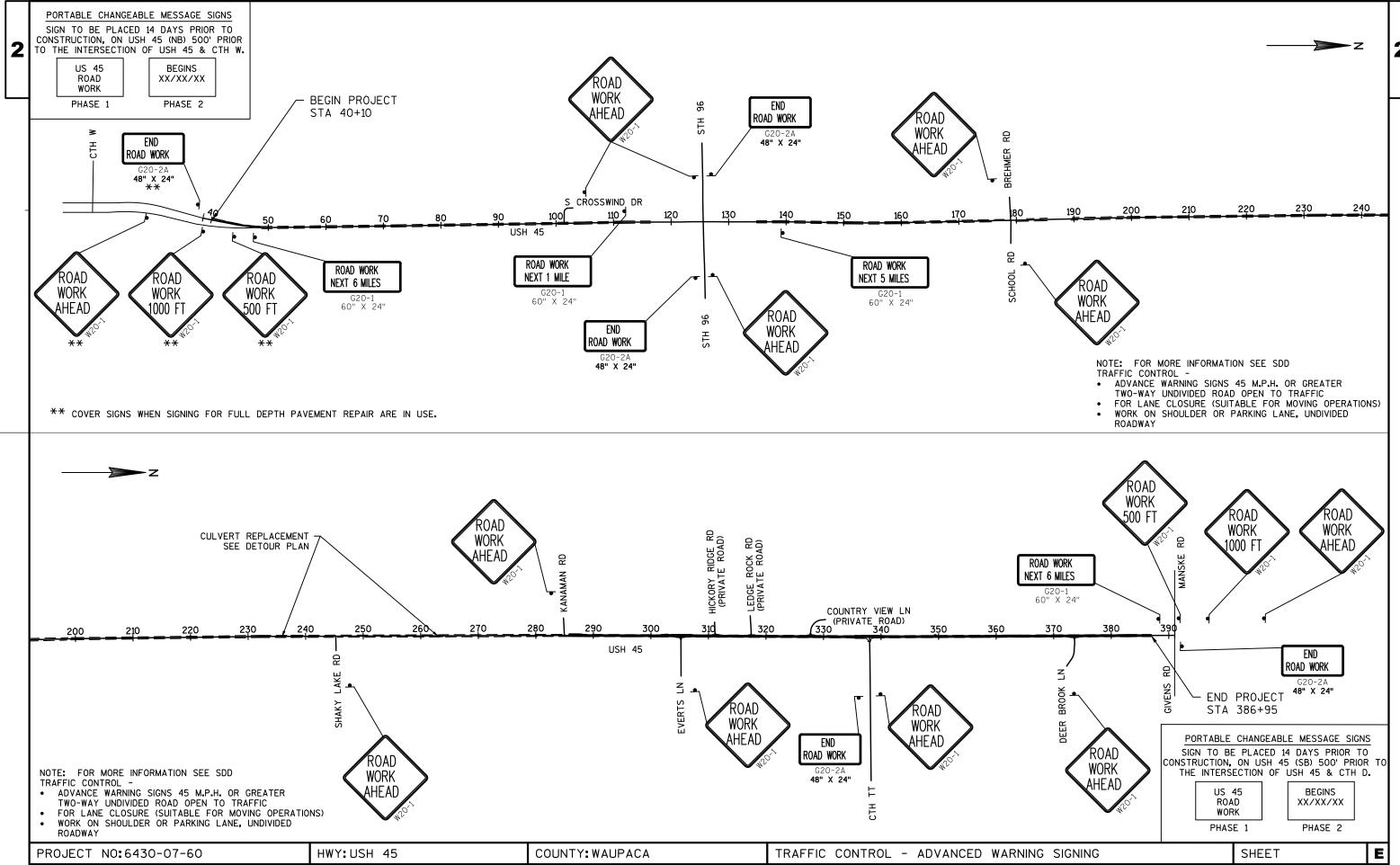


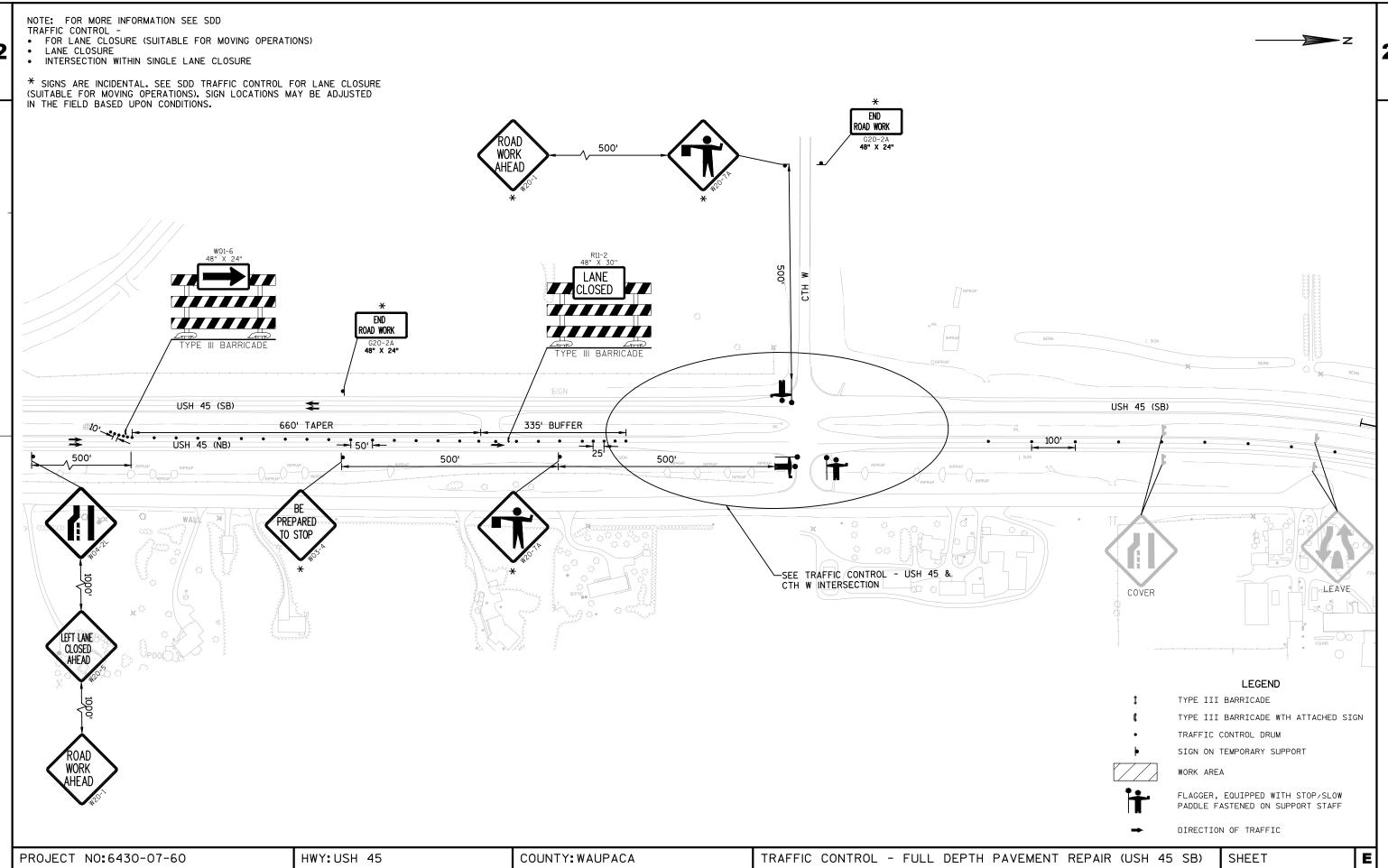
PLOT DATE: 10/6/2015 10:21 AM PLOT BY: CHRISTIANSON, ERIN MPLOT NAME: PLOT SCALE : 1 IN:200 FT



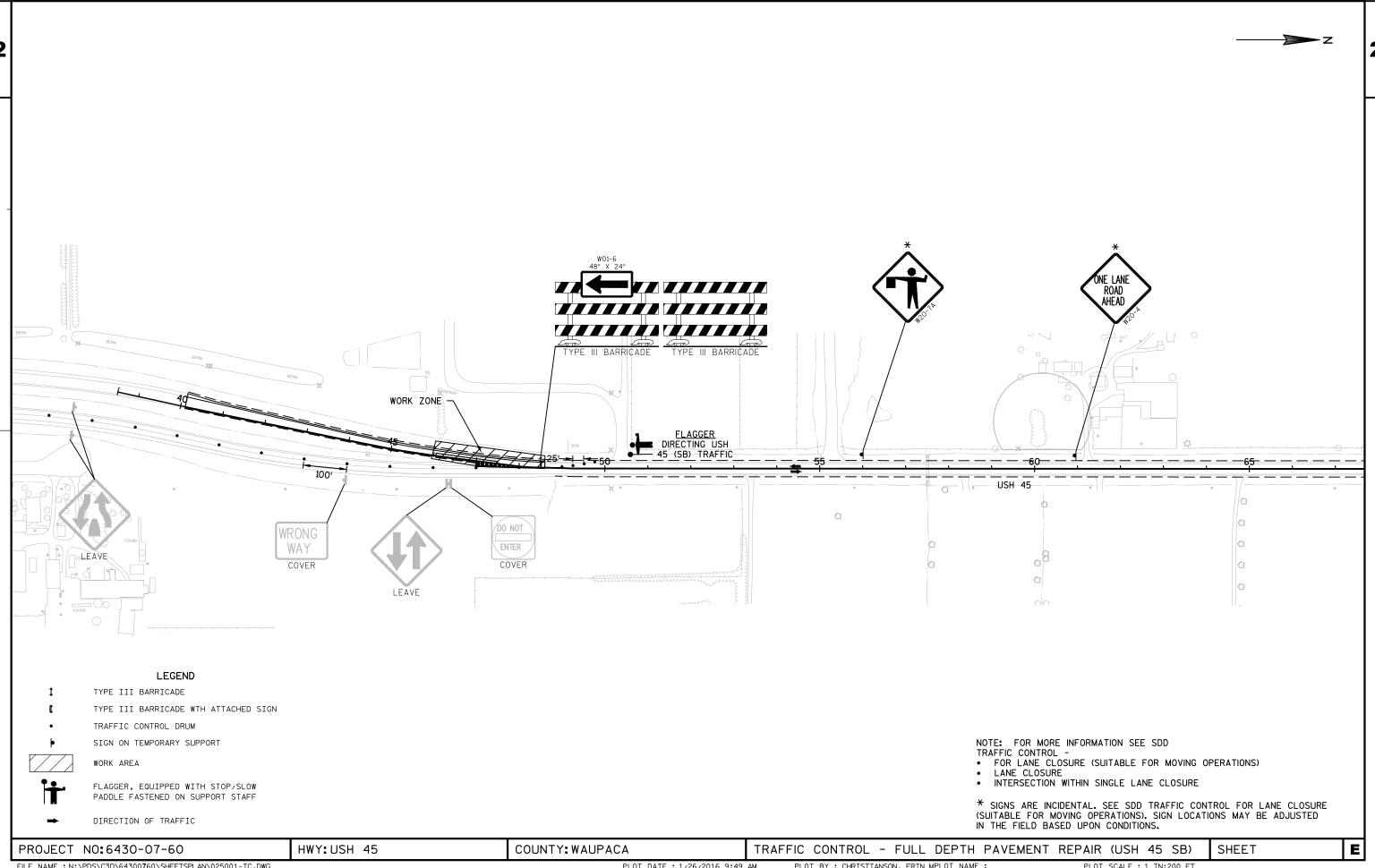




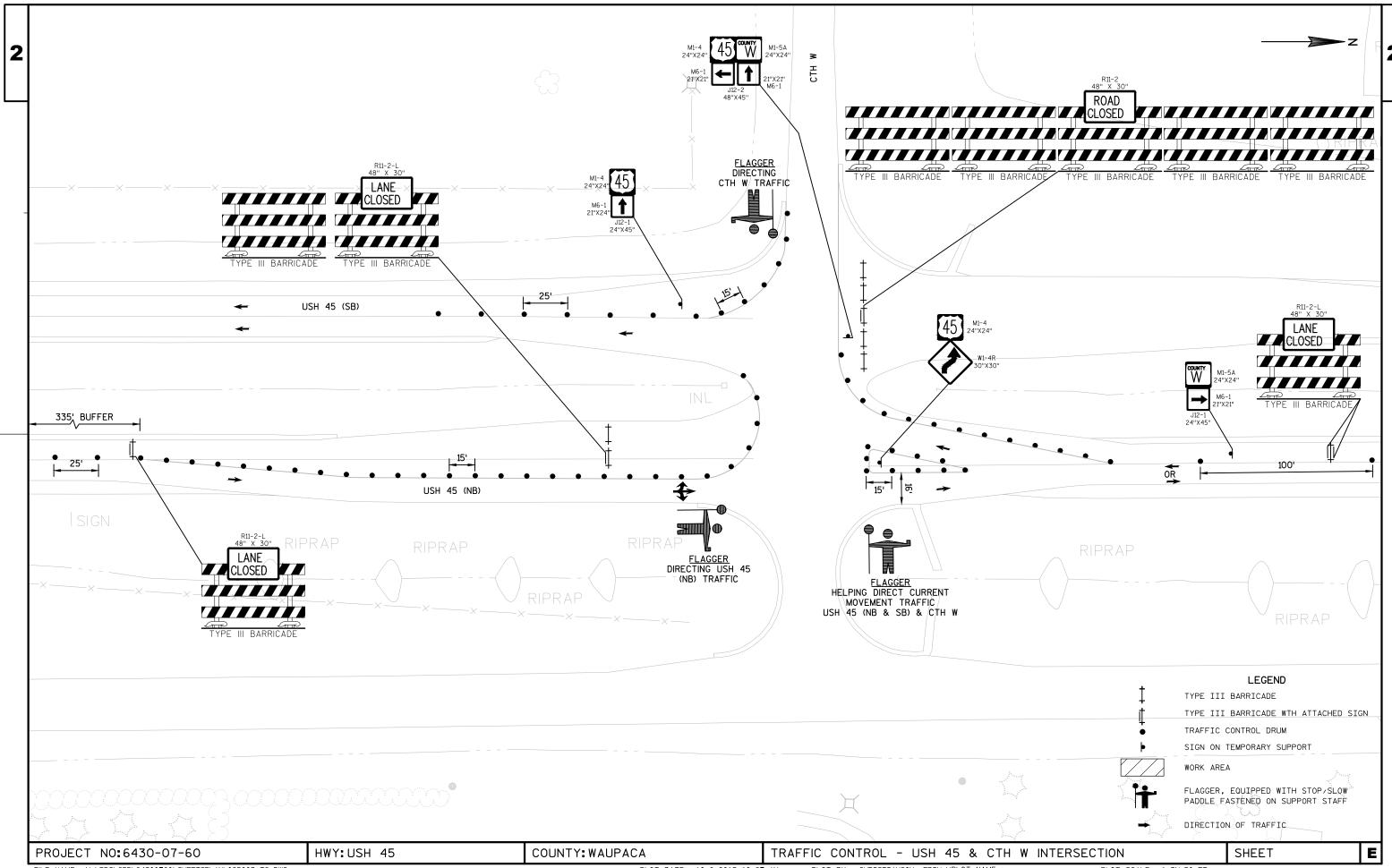




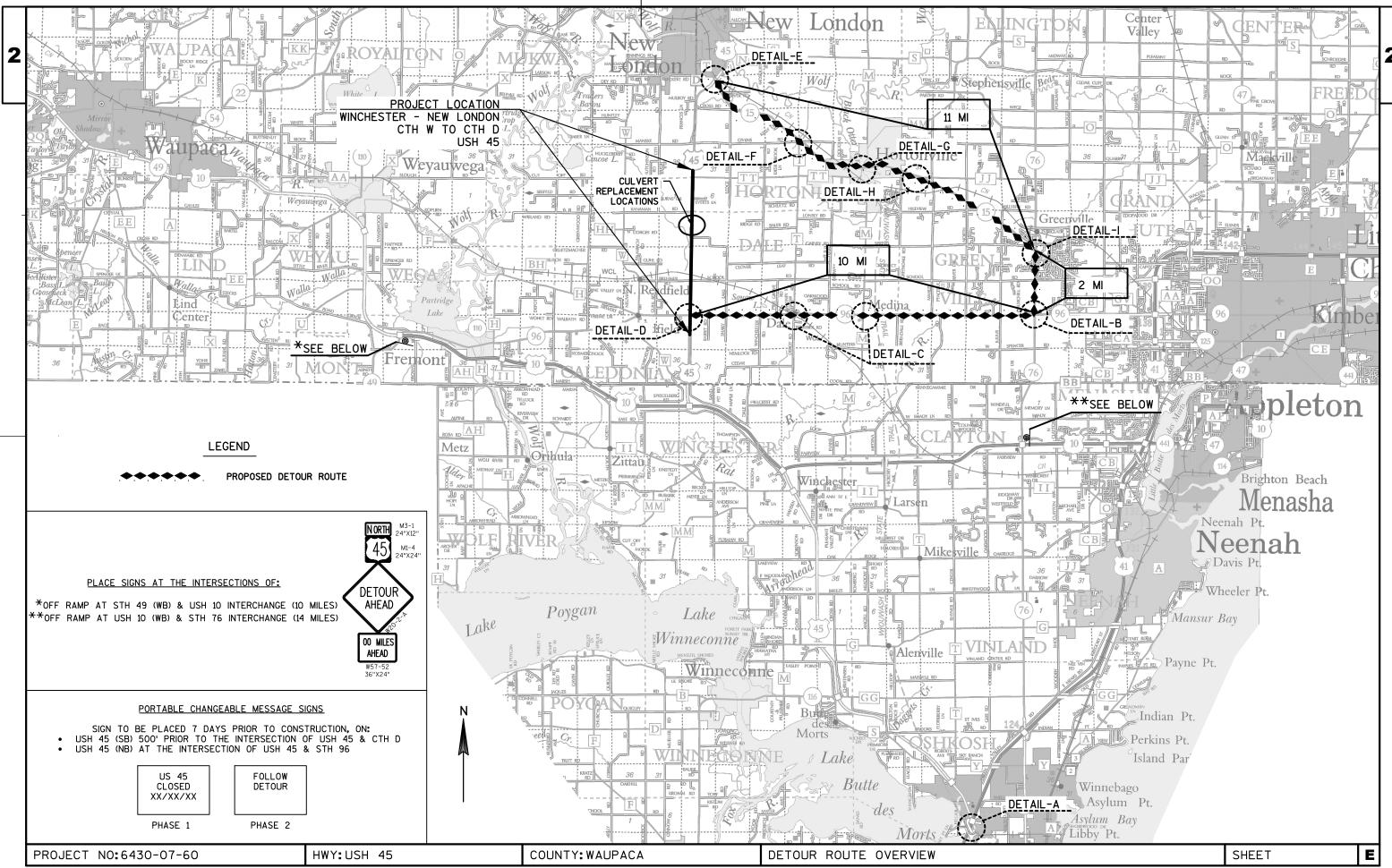
FILE NAME : N:\PDS\C3D\64300760\SHEETSPLAN\025001-TC.DWG PLOT BY : CHRISTIANSON, ERIN MPLOT NAME : PLOT SCALE : 1 IN:200 FT WISDOT/CADDS SHEET 42

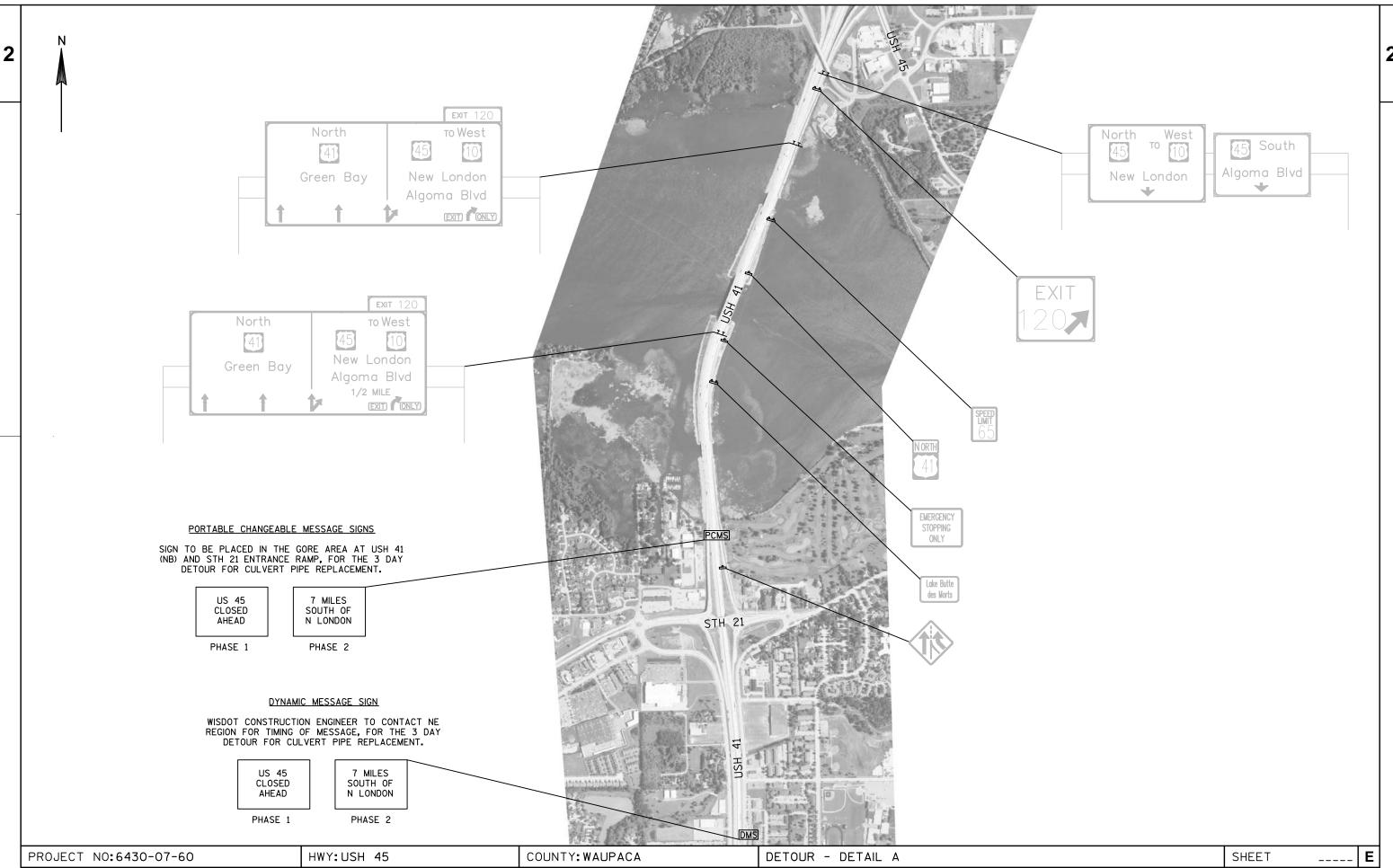


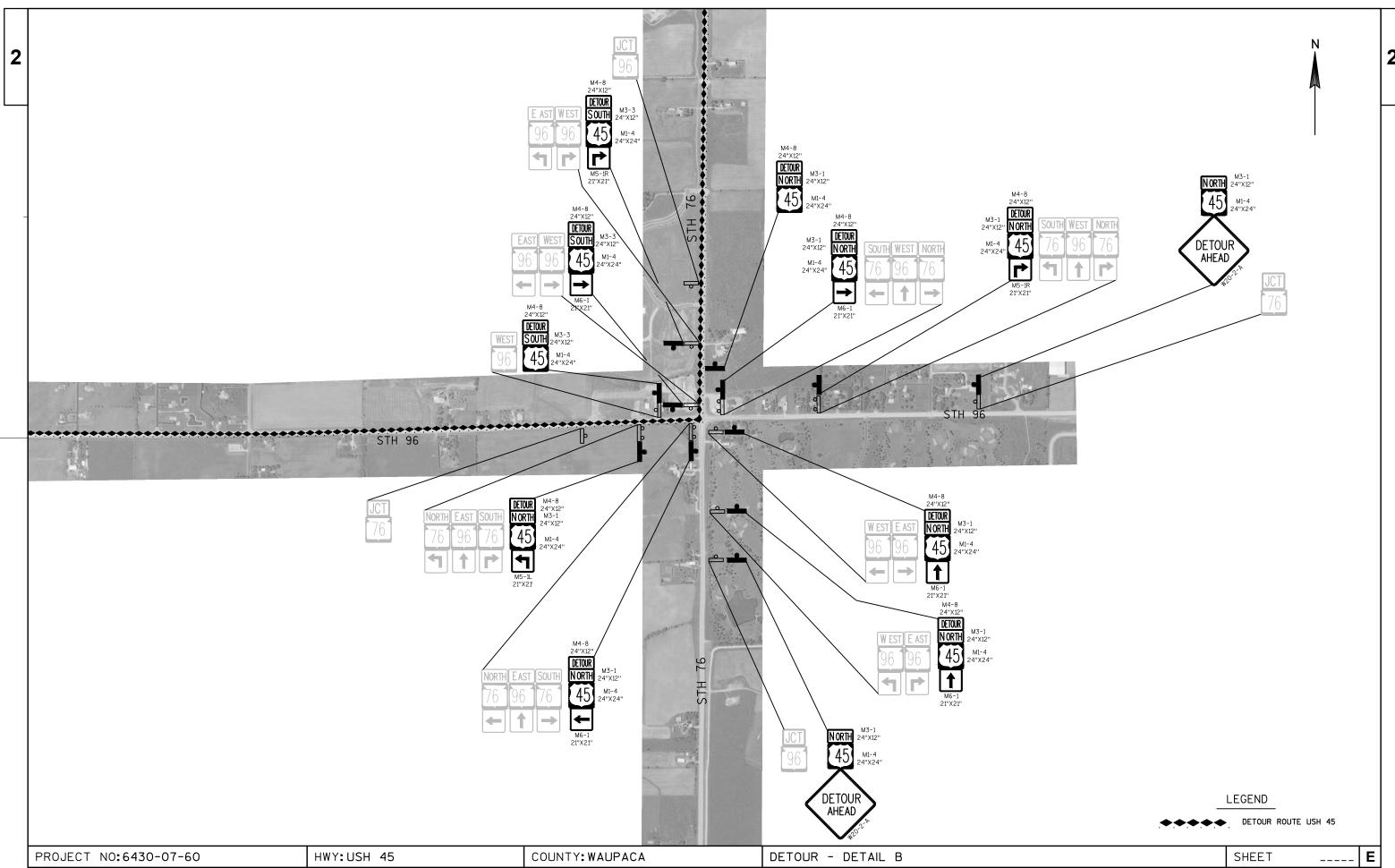
FILE NAME : N:\PDS\C3D\64300760\SHEETSPLAN\025001-TC.DWG PLOT DATE: 1/26/2016 9:49 AM PLOT BY : CHRISTIANSON, ERIN MPLOT NAME : PLOT SCALE : 1 IN:200 FT WISDOT/CADDS SHEET 42

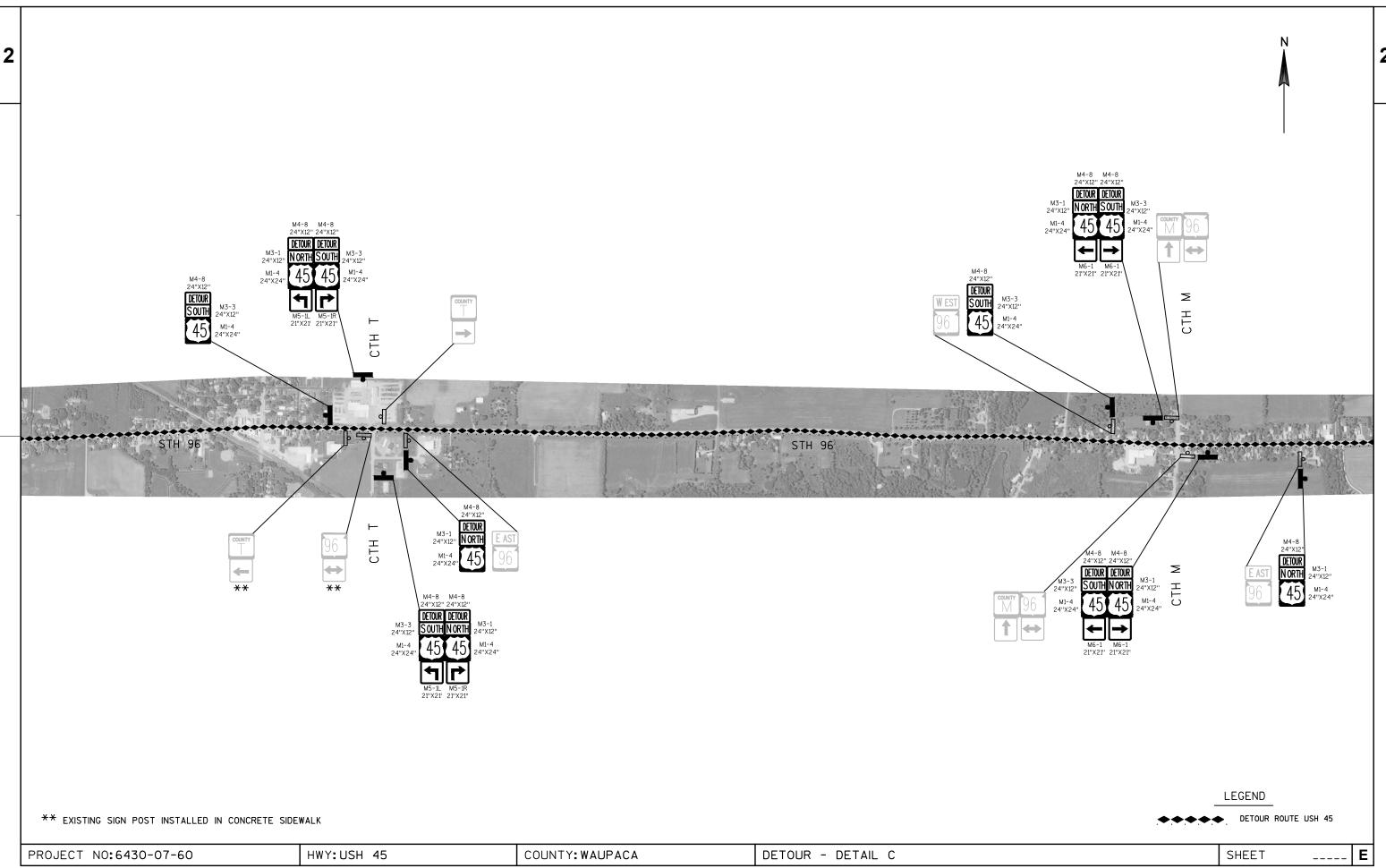


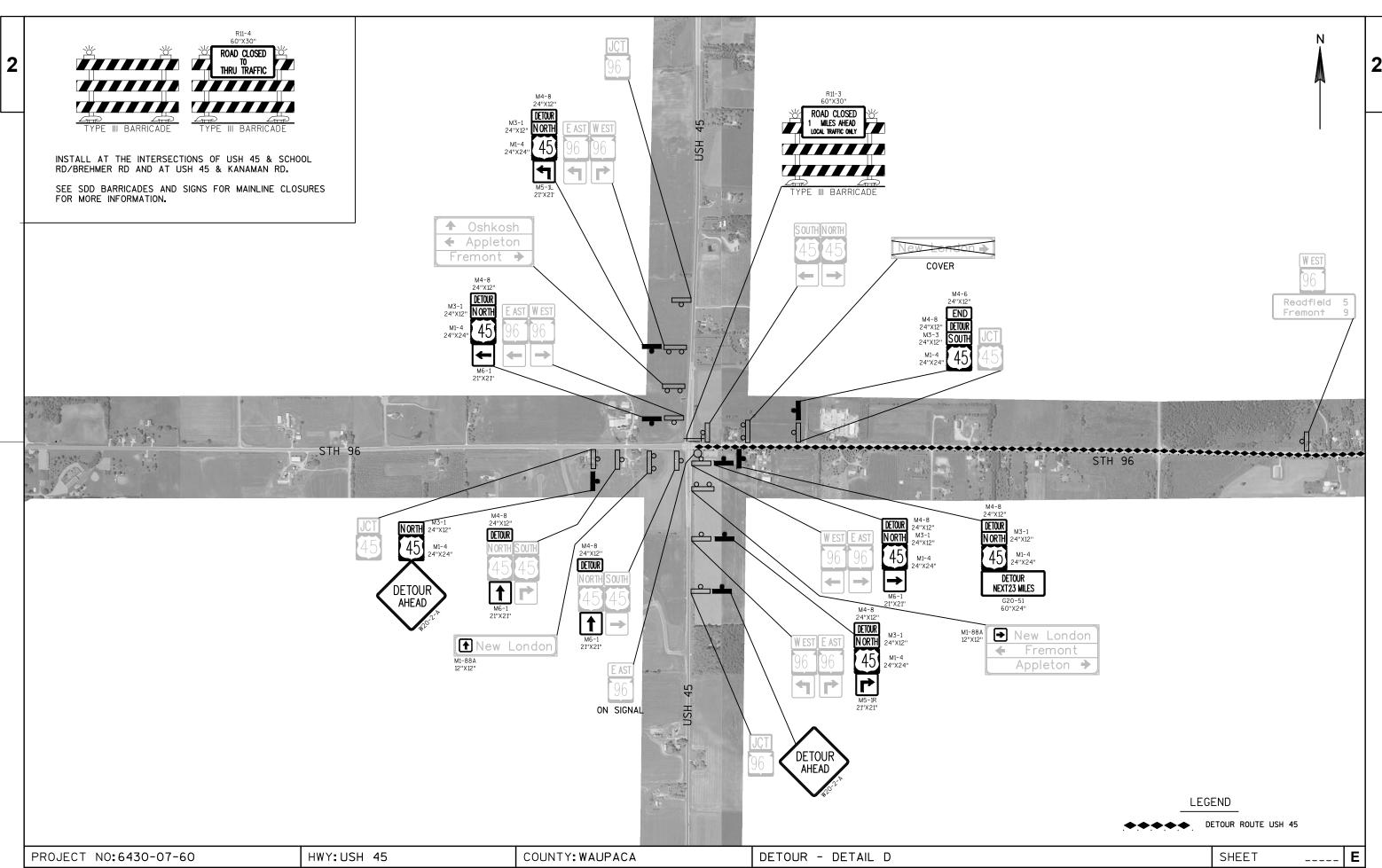
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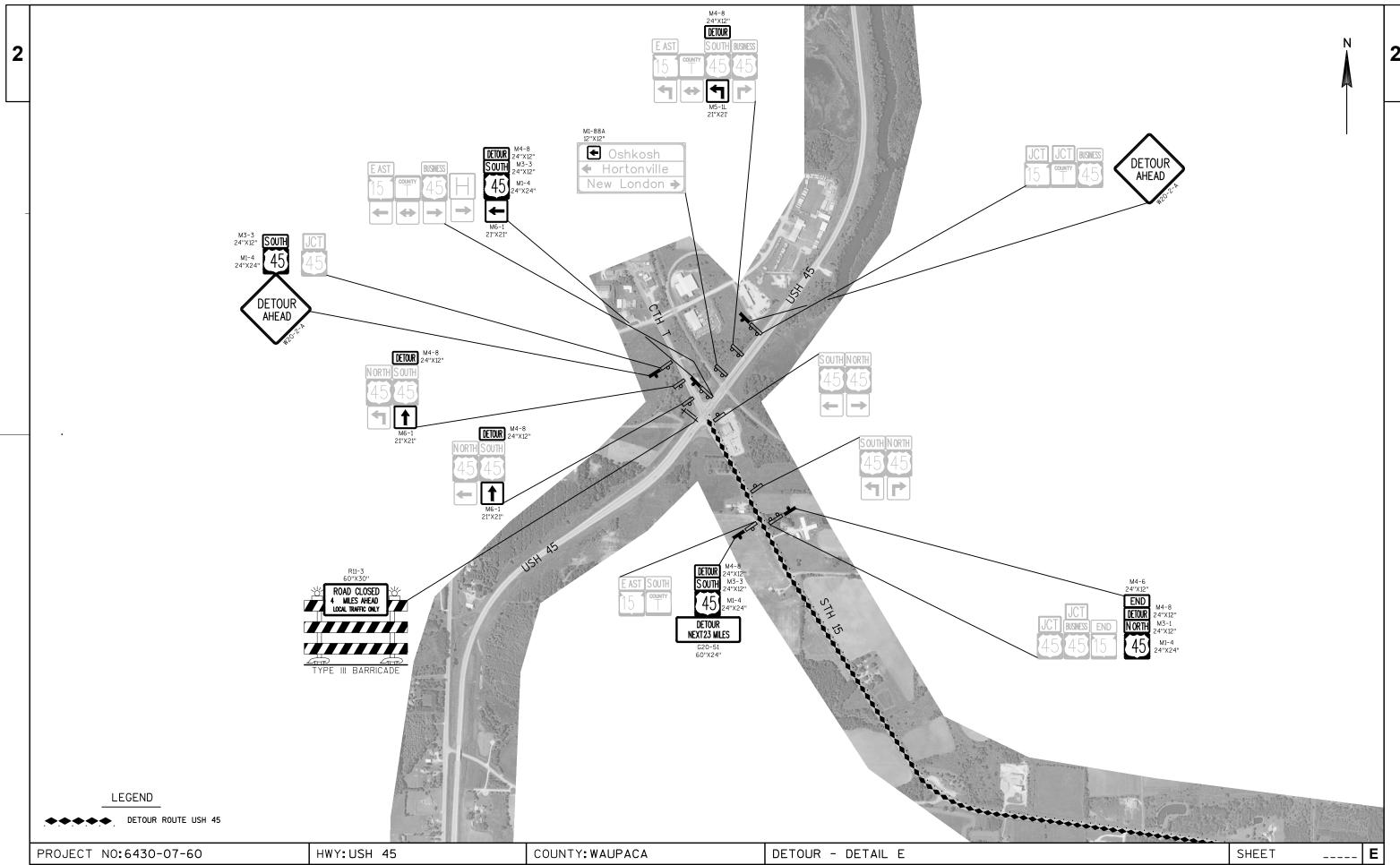


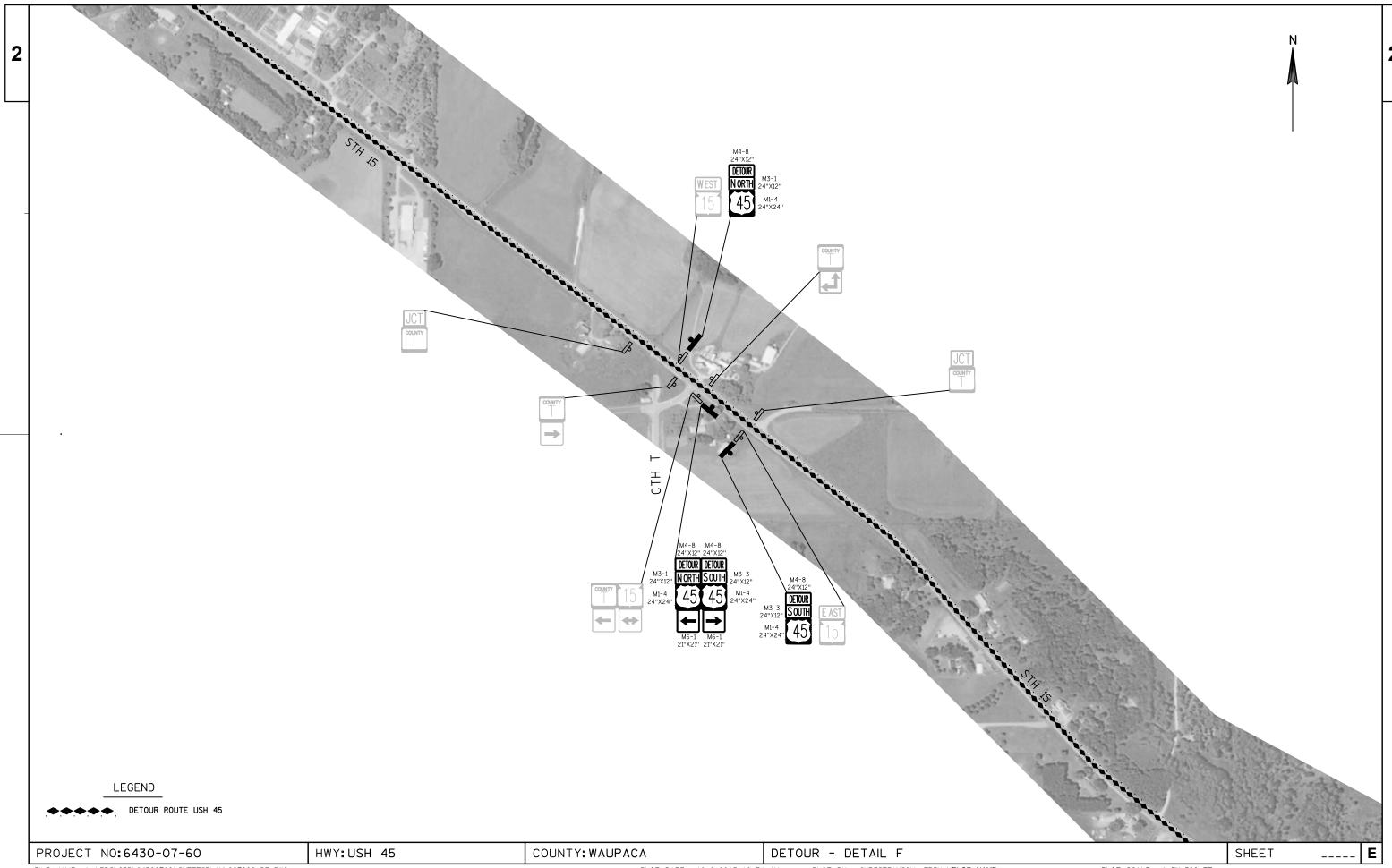


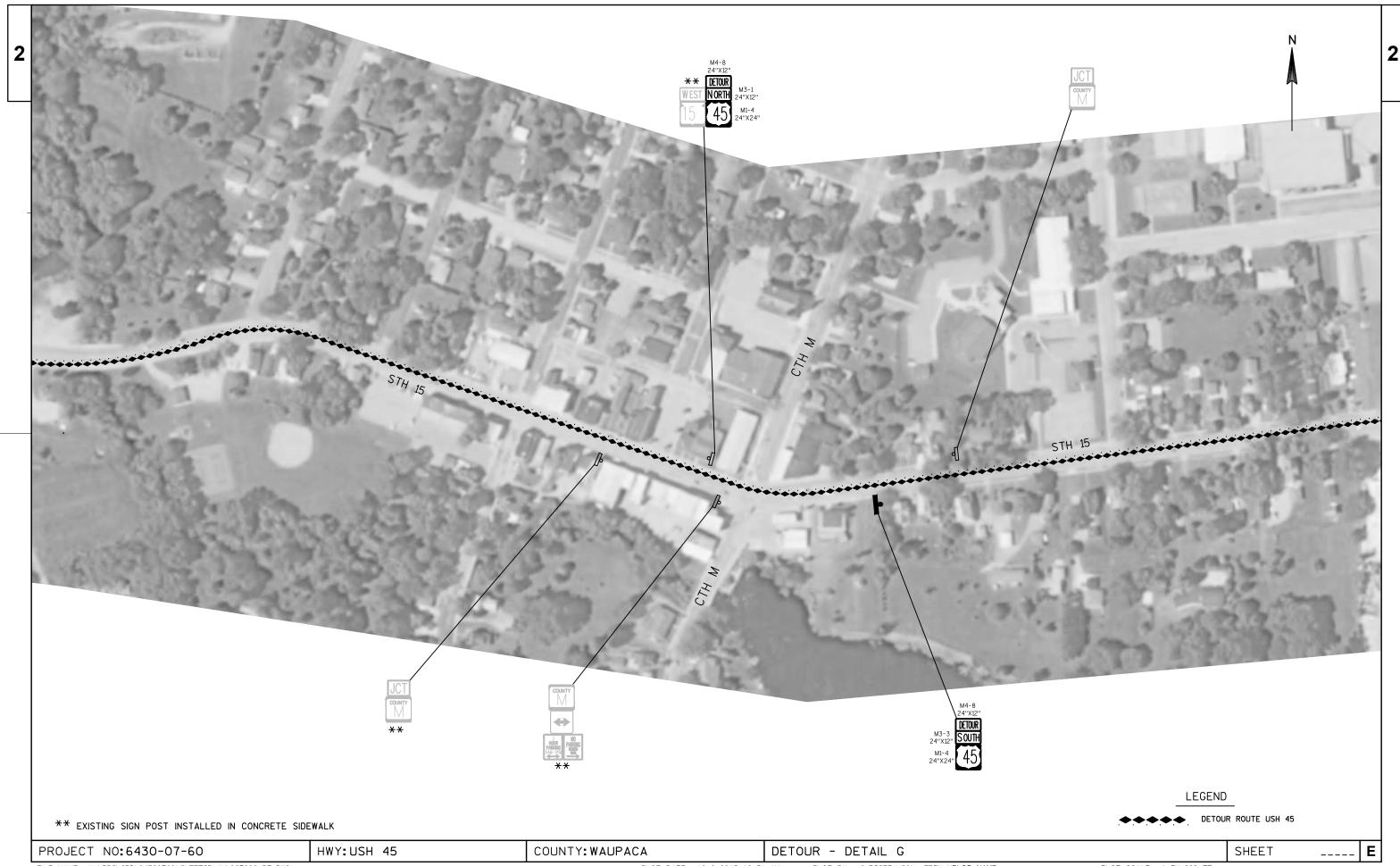


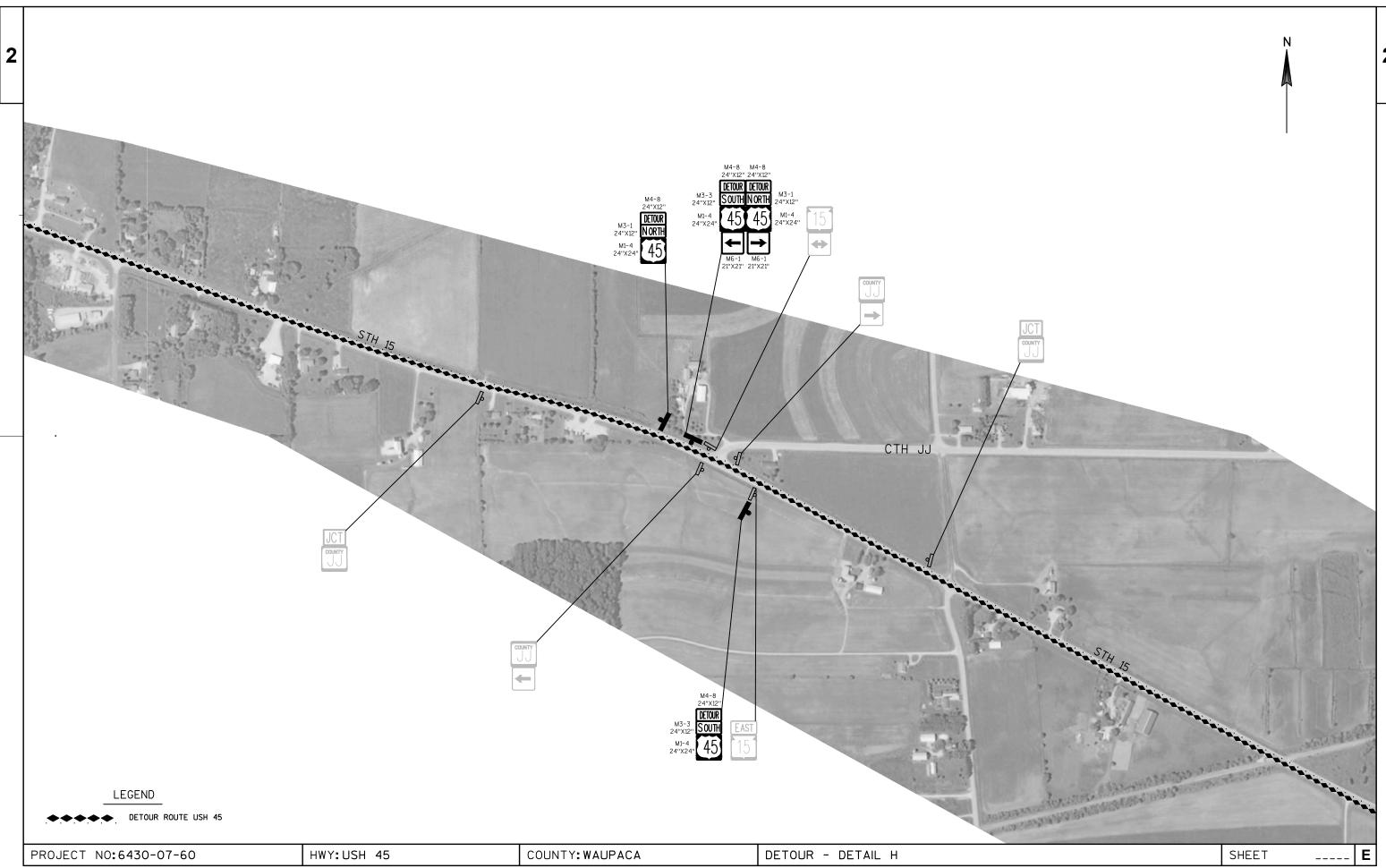


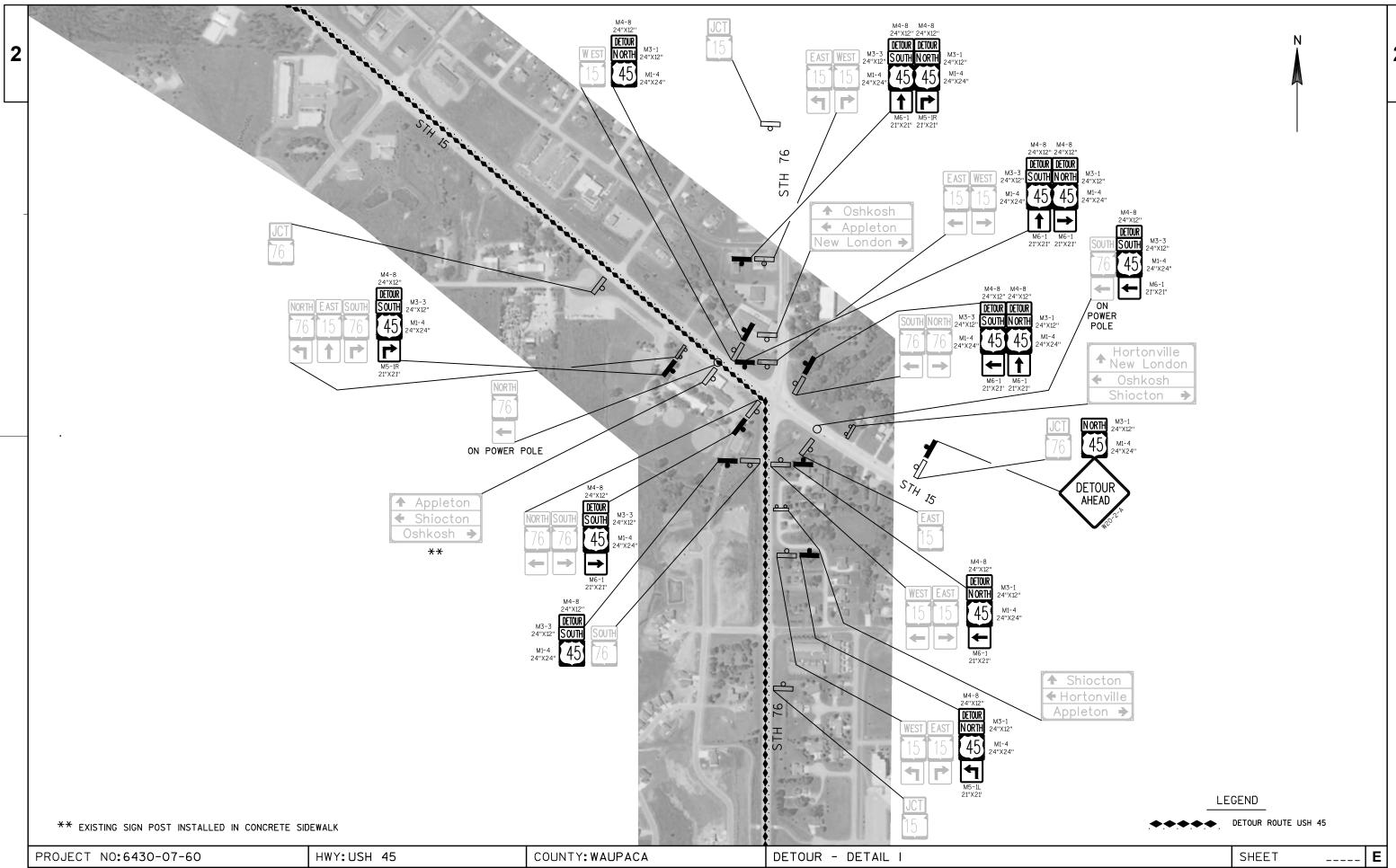












DATE 04	FEB16	E S	TIMAT	E O F Q U A N		
LI NE NUMBER	ITEM	ITEM DESCRIPTION	UNI T	TOTAL	6430-07-60 QUANTI TY	
0010	203. 0100	Removing Small Pipe Culverts	EACH	3. 000	3. 000	
0020	204. 0110	Removing Asphaltic Surface	SY	9, 266. 000	9, 266. 000	
0030	204. 0120	Removing Asphaltic Surface Milling 01.	SY	2, 228. 000	2, 228. 000	
0000	20110120	Si deroad	0.	2,220.000	2, 220. 000	
0040	204. 0120	Removing Asphaltic Surface Milling O2. C/L Mill	SY	4, 808. 000	4, 808. 000	
0050	204. 0125	Removing Asphaltic Surface Milling	TON	2, 540. 000	2, 540. 000	
0060	204. 0180	Removing Delineators and Markers	EACH	14. 000	14. 000	
0070	205. 0100	Excavation Common	CY	984.000	984. 000	
0800	209. 0100	Backfill Granular	CY	600.000	600.000	
0090	211. 0100	Prepare Foundation for Asphaltic Paving	LS	1. 000	1. 000	
0400	044 0400	(project) 01. 6430-07-60	0.7.4	227 222	207.200	
0100	211. 0400	Prepare Foundation for Asphaltic Shoulders	STA	207. 000	207. 000	
0110	213. 0100	Finishing Roadway (project) 01.	EACH	1. 000	1. 000	
0120	20E 0110	6430-07-60 Rese Aggregate Dense 3/4 Lnch	TON	E 430 000	E 620 000	
0120 0130	305. 0110 305. 0120	Base Aggregate Dense 3/4-Inch Base Aggregate Dense 1 1/4-Inch	TON TON	5, 620. 000 418. 000	5, 620. 000 418. 000	
0130	305. 0120	Shapi ng Shoul ders	STA	202. 000	202. 000	
0150	440. 4410	Incentive IRI Ride	DOL	7, 600. 000	7, 600. 000	
0130	140. 4410	mooner vo Till ill do	DOL	7, 000. 000	7,000.000	
0160	455. 0105	Asphaltic Material PG58-28	TON	321. 700	321. 700	
0170	455.0605	Tack Coat	GAL	3, 068. 000	3, 068. 000	
0180	460. 1103	HMA Pavement Type E-3	TON	5, 848. 000	5, 848. 000	
0190	460. 2000	Incentive Density HMA Pavement	DOL	3, 760. 000	3, 760. 000	
0200	465. 0475	Asphalt Center Line Rumble Strips 2-Lane Rural	LF	27, 580. 000	27, 580. 000	
0210	521. 0757	Pipe Arch Corrugated Steel 57x38-Inch	LF	120.000	120. 000	
0220	521. 0783	Pipe Arch Corrugated Steel 83x57-Inch	LF	120.000	120.000	
0230	521. 1257	Apron Endwalls for Pipe Arch Steel	EACH	4.000	4. 000	
0240	521. 1283	57x38-Inch Apron Endwalls for Pipe Arch Steel	EACH	4. 000	4. 000	
		83x57-I nch				
0250	618. 0100	Maintenance And Repair of Haul Roads (project) 01. 6430-07-60	EACH	1. 000	1. 000	
0260	619. 1000	Mobilization	EACH	1. 000	1. 000	
0270	621. 0100	Landmark Reference Monuments	EACH	32. 000	32. 000	
0280	624. 0100	Water	MGAL	15. 000	15. 000	
0290	625.0500	Sal vaged Topsoi I	SY	500.000	500.000	
0300	627. 0200	Mul chỉ ng	SY	500. 000	500. 000	
0310	628. 1504	Silt Fence	LF	1, 000. 000	1, 000. 000	
0320	628. 1520	Silt Fence Maintenance	LF	1, 000. 000	1,000.000	
0330	628. 1905	Mobilizations Erosion Control	EACH	3. 000	3. 000	
0340	628. 1910	Mobilizations Emergency Erosion Control	EACH	2.000	2.000	
0350	628. 2008	Erosion Mat Urban Class I Type B	SY	650. 000	650. 000	
0360	628. 7555	Cul vert Pi pe Checks	EACH	60.000	60. 000	
0370	629. 0210	Fertilizer Type B	CWT	0. 350	0. 350	
0380	630. 0160	Seeding Mixture No. 60	LB	7.000	7. 000	
0390	633. 0100	Delineator Posts Steel	EACH	10.000	10.000	
0400	633. 0500	Delineator Reflectors	EACH	19. 000	19. 000	
0410	633. 5200	Markers Culvert End	EACH	12. 000	12. 000	
0420	634. 0612	Posts Wood 4x6-Inch X 12-FT	EACH	5. 000	5. 000	
0430	634. 0614	Posts Wood 4x6-Inch X 14-FT	EACH	20. 000	20. 000	
0440	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	12. 000	12.000	
0450	637. 2210	Signs Type II Reflective H	SF	163. 470	163. 470	
0460	637. 2230	Signs Type II Reflective F	SF	47. 000	47. 000	
		- :				

DATE 04	FEB16	EST	I M A T	E O F Q U A N	
LI NE NUMBER	ITEM	ITEM DESCRIPTION	UNI T	TOTAL	6430-07-60 QUANTI TY
0470	638. 2102	Moving Signs Type II	EACH	6. 000	6. 000
0480	638. 2602	Removing Signs Type II	EACH	26.000	26. 000
0490	638. 3000	Removing Small Sign Supports	EACH	29.000	29. 000
0500	642. 5201	Field Office Type C	EACH	1.000	1. 000
0510	643. 0100	Traffic Control (project) 01. 6430-07-60	EACH	1. 000	1. 000
0520	643. 0300	Traffic Control Drums	DAY	420.000	420. 000
0530	643. 0420	Traffic Control Barricades Type III	DAY	31. 000	31. 000
0540	643. 0900	Traffic Control Signs	DAY	774. 000	774. 000
0550	643. 0910	Traffic Control Covering Signs Type I	EACH	1. 000	1. 000
05/0	(42,0020	Traffic Control Covering Clara Transit		4 000	4 000
0560	643. 0920	Traffic Control Covering Signs Type II	EACH	4. 000	4. 000
0570	643. 1050	Traffic Control Signs PCMS	DAY	31.000	31.000
0580	643. 2000	Traffic Control Detour (project) 01. 6430-07-60	EACH	1. 000	1. 000
0590	643. 3000	Traffic Control Detour Signs	DAY	741.000	741. 000
0600	646. 0106	Pavement Marking Epoxy 4-Inch	LF	26, 329. 500	26, 329. 500
0610	646. 0406	Pavement Marking Same Day Epoxy 4-Inch	LF	23, 761. 500	23, 761. 500
0620	646. 2304. S	Pavement Marking Grooved Wet Reflective Epoxy 4-Inch	LF	67, 120. 000	67, 120. 000
0630	647. 0726	Pavement Marking Diagonal Epoxy 12-Inch	LF	55.000	55. 000
0640	648. 0100	Locating No-Passing Zones	MI	6. 420	6. 420
0650	649. 0403	Temporary Pavement Marking Epoxy 4-Inch	LF	5, 000. 000	5, 000. 000
0660	650. 6000	Construction Staking Pipe Culverts	EACH	4. 000	4. 000
0670	650. 8000	Construction Staking Resurfacing	LF	10, 895. 000	10, 895. 000
		Reference		,	,
0680	650. 9910	Construction Staking Supplemental	LS	1.000	1. 000
		Control (project) 01. 6430-07-60			
0690	690. 0150	Sawi ng Asphal t	LF	920.000	920.000
0700	ASP. 1TOA	On-the-Job Training Apprentice at \$5.	HRS	1, 200. 000	1, 200. 000
		00/HR		,	,
0710	ASP. 1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	600.000	600.000
0720	SPV. 0060	Special O1. Reestablish Section Corner	EACH	8. 000	8. 000
		Monuments			
0730	SPV. 0105	Special O1. Gore Median Rumble Strips	LS	1.000	1. 000
		•			

REMOVING SMALL PIPE CULVERTS

203.0100

STATION LOCATION EACH REMARKS

CATEGORY 0010

237+75 USH 45 1 CROSSDRAIN 237+89 USH 45 1 CROSSDRAIN 263+41 USH 45 1 CROSSDRAIN

TOTAL 3

REMOVING ASPHALTIC SURFACE

	:	204.0110)
STATION - STATION	LOCATION	SY	REMARKS
CATEGORY 0010			
46+05 - 47+50	USH 45 (SB)	129	FULL DEPTH
47+00 - 48+00	USH 45 (GORE)	86	FULL DEPTH
285+80 - 288+00	USH 45 (LT)	122	RT TURN LANE
286+50 - 386+95	USH 45 (LT & RT)	8929	FULL DEPTH SHLD

TOTAL 9266

REMOVING ASPHALTIC SURFACE MILLING

		204.0)120	
		01. SIDEROAD	02. C/L MILL	
STATION - STATION	LOCATION	SY	SY	
CATEGORY 0010				
302+18 - 308+70	USH 45 (LT)	527		
304+87 - 305+64	EVERTS LN	159		
310+90 - 311+47	HICKORY RIDGE RD	104		
317+25 - 317+64	LEDGE ROCK RD	59		
327+42 - 328+04	COUNTRY VIEW LN	134		
334+45 - 340+94	USH 45 (LT)	410		
334+45 - 339+08	CTH TT (LT)	686		
373+28 - 373+89	DEER BROOK LN	149		
	CATEGORY 0010 TOTALS	2228	0	
CATECORY 0020				
CATEGORY 0020 48+00 - 116+40	USH 45 C/L		1507	
			1507	
134+85 - 186+76	USH 45 C/L			
188+28 - 286+50	USH 45 C/L		2147	
	CATEGORY 0020 TOTALS	0	4808	
	GRAND TOTALS	2228	4808	

EARTHWORK SUMMARY

		TOTALS	984	119	865	48	60	805	805	600
	263+00 - 263+85	USH 45	564	63	501	1	1	500	500	340
CATEGORY 0010 DIVISION 1-USH 45	237+45 - 238+20	USH 45	420	56	364	47	59	305	305	260
DIVISION	FROM/TO STATION	LOCATION			AVAILABLE	UNEXPANDED FILL CY	EXPANDED FILL FACTOR 1.25 CY	MASS ORDINATE +/- CY	WASTE CY	209.0100 BACKFILL GRANULAR CY

- 1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100
- 2) Salvaged/Unsuable Pavement Material is included in Cut.
- 5) Available Material = Cut Salvaged/Unusuable Pavement Material
- 13) Expanded Fill Factor = 1.25
- 14) The Mass Ordinate + or Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.

REMOVING ASPHALTIC SURFACE MILLING

STATION - STATION	LOCATION	204.0125 TON
CATEGORY 0010		
40+10 - 46+05	USH 45 (SB)	146
46+05 - 48+60	USH 45 (SB)	31
286+50 - 386+95	USH 45	2363
	TOTAL	2540

REMOVING DELINEATORS AND MARKERS

		204.0180
STATION - STATION	LOCATION	EACH
CATEGORY 0010		
40+10 - 48+60	USH 45 (SB)	8
267+37	USH 45 (LT & RT)	2
328+61	USH 45 (LT & RT)	2
379+80	USH 45 (LT & RT)	2
	TOTAL	14

PREPARE FOUNDATION

211.0100 211.0400
ASPHALTIC ASPHALTIC
PAVING SHOULDERS

STATION - STATION LOCATION LS STA

CATEGORY 0010

47+00 - 48+00	USH 45 GORE	1		SEE CONSTRUCTION DETAIL
285+75 - 386+95	SIDEROADS	ı		SEE INTERSECTION DETAILS
40+10 - 47+00	USH 45 (SB) RT		7	SHOULDER WIDENING
288+00 - 386+95	USH 45 (LT)		99	FULL DEPTH SHLD REMOVAL
286+50 - 386+95	USH 45 (RT)		101	FULL DEPTH SHLD REMOVAL

TOTALS 1 207

PROJECT NO: 6430-07-60 HWY: USH 45 COUNTY: WAUPACA MISCELLANEOUS QUANTITIES - 1 SHEET: E

FILE NAME: N:\pds\design_id\6430-07-00.71 ush 45\quantities\6430-07-60

PLOT DATE : 1/27/2016 6:41 AM

':_____ PLOT NAME : <u>030201 mg 60</u>

PLOT SCALE: 1:1

REMARKS

SHAPING SHOULDERS

305.0500 STATION - STATION LOCATION STA

CATEGORY 0010

285+80 - 386+95 USH 45 LT & RT 202

TOTAL 202

HWY: USH 45

BASE AGGREGATE DENSE

305.0110 305.0120 3/4-INCH 1 1/4-INCH STATION - STATION LOCATION TON TON CATEGORY 0010 40+10 - 47+50 USH 45 (SB) LT & RT 74 46+05 - 47+05 USH 45 (SB) 11 48+60 - 116+40 USH 45 (LT & RT) 753 134+85 - 186+75 USH 45 (LT & RT) 718 188+28 - 286+50 USH 45 (LT & RT) 1222 237+45 - 238+20 **USH 45 CROSSDRAIN** 20 196 23 263+00 - 263+85 USH 45 CROSSDRAIN 222 2595 286+50 - 386+95 USH 45 (LT & RT) UNDISTRIBUED PROJECT LIMITS 204 TOTALS 5620 418

TACK COAT

		455.0605
STATION - STATION	LOCATION	GAL
CATEGORY 0010		
40+10 - 46+05	USH 45 (SB)	106
46+05 - 47+50	USH 45 (SB)	27
47+00 - 48+00	USH 45 (GORE)	6
47+50 - 48+60	USH 45 (SB)	14
237+45 - 238+20	USH 45 CROSSDRAIN	32
263+00 - 263+85	USH 45 CROSSDRAIN	36
286+50 - 386+95	USH 45 (LT & RT)	2344
285+80 - 288+00	USH 45 RT TURN LANE	7
304+87 - 305+64	EVERTS LN	49
310+90 - 311+47	HICKORY RIDGE RD	8
317+25 - 317+64	LEDGE ROCK RD	5
327+42 - 328+04	COUNTRY VIEW LN	10
334+45 - 338+08	CTH TT	75
373+28 - 373+89	DEER BROOK LN	12
	CATEGORY 0010 TOTAL	2731
CATEGORY 0020		
48+60 - 116+40	USH 45 C/L	106
134+85 - 186+76	USH 45 C/L	81
188+28 - 286+50	USH 45 C/L	150
	CATEGORY 0020 TOTAL	337
	GRAND TOTAL	3068

HMA PAVEMENT TYPE E-3

		460.1103	455.0105
		HMA	ASPHALTIC
		PAVEMENT	MATERIAL
		TYPE E-3	PG58-28
STATION - STATION	LOCATION	TON	TON
CATEGORY 0010			
40+10 - 46+05	USH 45 (SB)	153	8.4
40+10 - 46+95	USH 45 (SB) RT SHLD	35	1.9
46+05 - 47+50	USH 45 (SB)	59	3.2
47+00 - 48+00	USH 45 (GORE)	19	1.0
47+50 - 48+60	USH 45 (SB)	20	1.1
237+45 - 238+20	USH 45 CROSSDRAIN	107	5.9
263+00 - 263+85	USH 45 CROSSDRAIN	121	6.7
286+50 - 386+95	USH 45 (LT & RT)	4597	252.8
285+75 - 288+00	USH 45 RT TURN LANE	23	1.3
304+87 - 305+64	EVERTS LN	71	3.9
310+90 - 311+47	HICKORY RIDGE RD	11	0.6
317+25 - 317+64	LEDGE ROCK RD	7	0.4
327+42 - 328+04	COUNTRY VIEW LN	15	0.8
334+45 - 338+08	CTH TT	108	5.9
373+28 - 373+89	DEER BROOK LN	17	0.9
	CATEGORY 0010 TOTALS	5363	295.0
CATEGORY 0020			
48+60 - 116+40	USH 45 C/L	153	8.4
134+85 - 186+76	USH 45 C/L	116	6.4
188+28 - 286+50	USH 45 C/L	216	11.9
	CATEGORY 0020 TOTALS	485	26.7
	GRAND TOTALS	5848	321.6

EROSION CONTROL

	TOTALS	500	500	1000	1000	3	2	650	60	0.35	7.0
INDISTRIBUTED	PROJECT LIMITS	52	52	55	55	3	2	75	6	0.07	1.0
62+50 - 264+35	USH 45 CROSSDRAIN	250	250	475	475			275	34	0.16	3.4
237+00 - 238+75	USH 45 CROSSDRAIN	198	198	470	470			300	20	0.12	2.7
ATEGORY 0010											
STATION	LOCATION	SY	SY	LF	LF	EACH	EACH	SY	EACH	CWT	LB
		TOPSOIL	MULCHING	FENCE	MAINTENANCE	CONTROL	CONTROL	TYPE B	CHECKS	TYPE B	NO. 60
		SALVAGED	627.0200	SILT	FENCE	EROSION	EROSION	CLASS I	PIPE	FERTILIZER	MIXTUR
		625.0500		628.1504	SILT	MOBILIZATIONS	EMERGENCY	URBAN	CULVERT	629.0210	SEEDIN
					628.1520	628.1905	MOBILIZATIONS	EROSION MAT	628.7555		630.016
							628.1910	628.2008			

FILE NAME : N:\pds\design id\6430-07-00,71 ush 45\quantities\6430-07-60

PROJECT NO: 6430-07-60

PLOT DATE : <u>1/27/2016 10:49 AM</u>

COUNTY: WAUPACA

MISCELLANEOUS QUANTITIES - 2

PLOT NAME : 030201 mg 60

SHEET:

PLOT SCALE: 1:1

ASPHALTIC CENTERLINE RUMBLE STRIP 2-LANE RURAL

465.0475

STATION - STATION LOCATION LF

CATEGORY 0010

 286+95 - 303+25
 USH 45 C/L
 1630

 307+25 - 309+15
 USH 45 C/L
 190

 313+15 - 315+40
 USH 45 C/L
 225

 319+40 - 325+73
 USH 45 C/L
 633

 329+73 - 336+00
 USH 45 C/L
 627

340+00 - 371+60 USH 45 C/L 3160 375+60 - 386+95 USH 45 C/L 1135

247+25 - 282+95

CATEGORY 0020 48+60 - 99+50 USH 45 C/L 5090 103+50 - 116+40 USH 45 C/L 1290 134+85 - 177+00 USH 45 C/L 4215 181+00 - 186+50 USH 45 C/L 550 188+60 - 197+85 USH 45 C/L 925 199+85 - 243+25 USH 45 C/L 4340

CATEGORY 0020 TOTAL 19980

USH 45 C/L

GRAND TOTAL 27580

CATEGORY 0010 7600

PIPE ARCH CORRUGATED STEEL & APRON ENDWALLS

PIPE ARCH APRON ENDWALLS PIPE ARCH STEEL CORRUGATED STEEL 521.0757 521.0783 MINIMUM THICKNESS 521.1257 521.1283 57x38-INCH 83x57-INCH (INCHES) 57x38-INCH 83x57-INCH STATION LOCATION LF LF STEEL ALUMINUM **EACH EACH CATEGORY 0010** 237+75 **USH 45** 120 0.109 0.105 4.0 263+40 USH 45 120 0.109 0.105 4.0

120

WATER

STATION - STATION LOCATION MGAL

CATEGORY 0010

 40+10 - 48+60
 USH 45
 5

 286+50 - 386+95
 USH 45
 10

TOTAL 15

TOTALS

120

MARKERS CULVERT END

4.0

633.5200

STATION LOCATION EACH REMARKS

CATEGORY 0010

379+80 USH 45 (LT & RT)

4.0

237+75 USH 45 (LT & RT) 2 CULVERT 263+40 USH 45 (LT & RT) 2 CULVERT 328+61 USH 45 (LT & RT) 2 CULVERT 352+72 USH 45 (LT & RT) 2 CULVERT 365+75 USH 45 (LT & RT) 2 C-68-9008

TOTAL 12

2

C-68-9009

LANDMARK REFERENCE MONUMENTS

SPV.0060.01

3570

REESTABLISH

621.0100 SECTION REFERENCE CORNER

LANDMARK MONUMENTS MONUMENTS

STATION LOCATION REMARKS EACH EACH **CATEGORY 0010** 99+16.08 USH 45 C/L HARRISON MONUMENT; WAUPACA CTY 152+46.55 USH 45 C/L 4 PKNAIL; OUTAGAMIE CTY 179+08.25 USH 45 C/L RAILROAD SPIKE; OUTAGAMIE CTY 232+05.28 USH 45 C/L HARRISON MONUMENT; WAUPACA CTY SECTION CORNER NOT FOUND; OUTAGAMIE CTY 284+97.09 USH 45 C/L 4 311+52.09 USH 45 C/L 4 PK NAIL; OUTAGAMIE CTY 337+98.35 USH 45 C/L 4 HARRISON MONUMENT; WAUPACA CTY 364+50.10 USH 45 C/L HARRISON MONUMENT; WAUPACA CTY 4 1

HWY: USH 45

TOTALS 32 8

COUNTY: WAUPACA

MISCELLANEOUS QUANTITIES - 3

<u>DELINEATOR</u>

633.0100

POSTS 633.0500

19

STEEL REFLECTORS STATION - STATION LOCATION EACH EACH

CATEGORY 0010

40+10 - 49+10 USH 45 (SB) RT 10

TOTALS 10 19

SHEET: **E**

FILE NAME : N:\pds\design id\6430-07-00,71 ush 45\quantities\6430-07-60

PROJECT NO: 6430-07-60

PLOT DATE : 1/27/2016 6:41 AM

OT BY ·

PLOT NAME : 030201 mg 60

PLOT SCALE: 1:1

ć

3

SIGN LISTING

		PO	OSTS WOO 4" X 6"	DD	637.2210 SIGNS	637.2230 SIGNS	638.2102 MOVING	638.2602 REMOVING	638.3000 REMOVING	
		634.0612	634.0614	634.0616	_	TYPE II	SIGNS	SIGNS	SMALL SIGN	
SIGN SIGN		12-FT	14-FT	16-FT		REFLECTIVE F	TYPE II	TYPE II	SUPPORTS	
NO. CODE MESSAGE	SIZE	EACH	EACH	EACH	SF	SF	EACH	EACH	EACH	REMARKS
CATECORY 2042										
CATEGORY 0010 1-12 NIGHT ARROW								4	2	
1-12 NIGHT ARROW 1-13 R4-7 KEEP RIGHT SYMBOL	24" x 30"		1		 6.50			1	2	
1-14 W5-56 END OF ROAD MARKER	18" x 18"		<u>'</u>		2.25				I	SAME POST AS 1-13
1-15 W1-8 CHEVRON	24" x 30"		4		20.00					SAME FOST AS 1-13
4-01 D1-1 KANAMAN RD	84" x 15"		1	1	8.75			1	2	
4-02 J1-1 SOUTH/USH 45	24" x 39"		1		6.50			1	1	
4-03 R1-1 STOP	30" x 30"	1			5.18			1	1	
4-04 WAUPACA CO								1	1	
4-05 W14-3 NO PASSING ZONE	48" x 36"		1			6.00		1	1	
4-06 J1-1 NORTH/USH 45	24" x 39"		<u>·</u>		6.50			<u>'</u> 1	<u>'</u> 1	
4-07 D1-1 KANAMAN RD	84" x 15"			2	8.75			1	2	
4-08 D1-1 EVERTS LN	72" x 15"			2	7.50			1	1	
4-09 R1-1 STOP	30" x 30"	1			5.18			<u>·</u> 1	<u>.</u>	
4-10 D1-1 EVERTS LN	72" x 15"			2	7.50			1	1	
5-04 W14-3 NO PASSING ZONE	48" x 36"	1				6.00		1	1	
5-06 W14-3 NO PASSING ZONE	48" x 36"		1			6.00		1	1	
5-07 J1-1 JCT/CTH TT	24" x 39"		1		6.50			1	1	
5-10 J1-1 SOUTH/USH 45	24" x 39"		1		6.50			1	1	
5-11 J12-1 CTH TT/ARROW	24" x 45"		1		7.50			1	1	
5-12 W1-7 TWO-DIRECTION LARGE ARR		1				8.00		1	1	_
5-13 R1-1 STOP	30" x 30"		1		5.18			1	1	
5-14 J12-1 USH 45/ARROW	24" x 45"			1	7.50					
5-15 J12-1 CTH TT/ARROW	24" x 45"		1		7.50			1	1	
5-16 J1-1 NORTH/USH 45	24" x 39"		1		6.50			1	1	
5-17 J1-1 JCT/CTH TT	24" x 39"		1		6.50			1	1	
5-18 W14-3 NO PASSING ZONE	48" x 36"		1			6.00		1	1	
5-19 D1-1 DEER BROOK LN	96" x 15"			2	10.00					
5-20 S3-1 SCHOOL BUS STOP AHEAD	36" x 36"		1			9.00		1	1	
6-1 R1-1 STOP	30" x 30"	1			5.18			1	1	
6-2 D1-1 DEER BROOK LN	96" x 15"			2	10.00					
6-3 W14-3 NO PASSING ZONE	48" x 36"		1			6.00		1	1	
W14-3 NO PASSING ZONE							6			LOCATE NO PASSING ZONES
	GRAND TOTALS	5	20	12	163.47	47.00	6	26	29	=

PROJECT NO: 6430-07-60 HWY: USH 45 COUNTY: WAUPACA MISCELLANEOUS QUANTITIES - 4 SHEET: **E**

FILE NAME : N:\pds\design id\6430-07-00.71 ush 45\quantitities\6430-07-60 PLOT NAME : 030201 mg 60 PLOT SCALE : 1:1

TRAFFIC CONTROL DRUMS

	NUMBER	DAYS	643.0300	
STATION / LOCATION	REQUIRED	NEEDED	DAYS	REMARKS
				_
CATEGORY 0010				
USH 45 (NB)	107	1	107	FULL DEPTH PAVEMENT
USH 45 (SB)	13	1	13	FULL DEPTH PAVEMENT
48+60 - 286+50	50	6	300	C/L RUMBLE STRIPS
		TOTAL	420	•

TRAFFIC CONTROL BARRICADES TYPE III

LOCATION	NUMBER REQUIRED	DAYS NEEDED	643.0420 DAYS	REMARKS
CATEGORY 0010				
USH 45 (NB)	6	1	6	FULL DEPTH PAVEMENT
USH 45 (SB)	7	1	7	FULL DEPTH PAVEMENT
STH 96 & USH 45 INTERSECTION	1	3	3	SEE DETOUR - DETAIL D SHEET
STH 15 & USH 45 INTERSECTION	1	3	3	SEE DETOUR - DETAIL E SHEET
SCHOOL RD/BREHMER RD	2	3	6	BEGINNING OF CLOSURE
KANAMAN RD	2	3	6	END OF CLOSURE
		TOTAL	31	•

TRAFFIC CONTROL SIGNS PCMS

LOCATION	MESS	SAGE	DAYS NEEDED	643.1050 DAYS	REMARKS
CATEGORY 0010					
USH 45 (NB) & CTH W INTERSECTION	US 45 ROAD WORK	BEGINS XX/XX/XX	14	14	PRIOR TO STARTING PROJECT
USH 45 (SB) & CTH D INTERSECTION	US 45 ROAD WORK	BEGINS XX/XX/XX	14	14	PRIOR TO STARTING PROJECT
USH 45 (NB) & STH 96 INTERSECTION	US 45 CLOSED XX/XX/XX	FOLLOW DETOUR	7	7	CULVERT REPLACEMENT
USH 45 (SB) & CTH D INTERSECTION	US 45 CLOSED XX/XX/XX	FOLLOW DETOUR	7	7	CULVERT REPLACEMENT
USH 41 (NB) & STH 21 ENTRANCE RAMP	US 45 CLOSED AHEAD	7 MILES SOUTH OF N LONDON	3	3	CULVERT REPLACEMENT
			TOTAL	31	•

TRAFFIC CONTROL COVERING SIGNS

LOCATION	DESCRIPTION	NUMBER OF CYCLES EACH	NUMBER OF SIGNS EACH		643.0920 TYPE II EACH	REMARKS
CATEGORY 00	<u>)10</u>					
USH 45 (NB)	LEFT LANE ENDS	1	2		2	FULL DEPTH PAVEMENT REPAIR
USH 45 (NB)	WRONG WAY	1	1		1	FULL DEPTH PAVEMENT REPAIR
USH 45 (NB)	DO NOT ENTER	1	1		1	FULL DEPTH PAVEMENT REPAIR
STH 96 (WB)	NEW LONDON (ARROW)	1	1	1		SEE DETOUR - DETAIL D
						_
			TOTALS	1	4	-

LOCATING NO-PASSING ZONE

STATION - STATION	LOCATION	648.0100 MI
CATEGORY 0010 286+50 - 386+95	USH 45	1.90
CATEGORY 0	010 TOTAL	1.90
CATEGORY 0020 48+00 - 286+50	USH 45	4.52
CATEGORY 0	020 TOTAL	4.52
	TOTAL	6.42

PROJECT NO: 6430-07-60 HWY: USH 45 COUNTY: WAUPACA MISCELLANEOUS QUANTITIES - 5 SHEET: E

FILE NAME : N:\\pds\design id\\6430-07-00.71 ush 45\\quantities\\6430-07-60\\\
PLOT DATE : \(\frac{1/27/2016 6:41 AM\\}
PLOT BY : _____

PLOT BY : _____ PLOT NAME : <u>030201 mg 60</u>

PLOT SCALE : 1:1

3

TRAFFIC CONTROL SIGNS

LOCATION	SIGN CODE	MESSAGE	NUMBER REQUIRED	DAYS NEEDED	643.0900 DAYS	REMARKS
CATEGORY 0010						
USH 45 (NB)	W20-1	ROAD WORK AHEAD	2	1	2	FULL DEPTH PAVEMENT REPAIR
(:=)	W20-5	LEFT LANE CLOSED AHEAD	2	1	2	FULL DEPTH PAVEMENT REPAIR
		LEFT LANE ENDS	2	1	2	FULL DEPTH PAVEMENT REPAIR
	WO1-6	NIGHT ARROW	2	1	2	FULL DEPTH PAVEMENT REPAIR
	R11-2	LANE CLOSED	4	1	4	FULL DEPTH PAVEMENT REPAIR
USH 45 (SB)	R11-2	ROAD CLOSED	1	1	1	FULL DEPTH PAVEMENT REPAIR
	WO1-6	NIGHT ARROW	1	1	1	FULL DEPTH PAVEMENT REPAIR
	M1-5A	CTH W	2	1	2	FULL DEPTH PAVEMENT REPAIR
	M6-1	ARROW	4	1	4	FULL DEPTH PAVEMENT REPAIR
	M1-4	USH 45	3	1	3	FULL DEPTH PAVEMENT REPAIR
	W1-4R	ROAD CURVES AHEAD	1	1	1	FULL DEPTH PAVEMENT REPAIR
BEGINNING OF PRO	OJECT					
USH 45 (NB)	W20-1	ROAD WORK AHEAD	1	30	30	MILL/OVER & C/L RUMBLE STRIPS
()	W20-1	ROAD WORK 1000 FT	1	30	30	MILL/OVER & C/L RUMBLE STRIPS
	W20-1	ROAD WORK 500 FT	1	30	30	MILL/OVER & C/L RUMBLE STRIPS
	G20-1	ROAD WORK NEXT 6 MILES	1	30	30	MILL/OVER & C/L RUMBLE STRIPS
USH 45 (SB)	G20-2A	END ROAD WORK	1	30	30	MILL/OVER & C/L RUMBLE STRIPS
USH 45 & STH 96 IN	ITERSEC	TION				
USH 45 (SB)	G20-1	ROAD WORK NEXT 1 MILE	1	30	30	MILL/OVER & C/L RUMBLE STRIPS
USH 45 (NB)	G20-1	ROAD WORK NEXT 5 MILES	1	30	30	MILL/OVER & C/L RUMBLE STRIPS
` '						
STH 96 (WB)	W20-1	ROAD WORK AHEAD	1	30	30	MILL/OVER & C/L RUMBLE STRIPS MILL/OVER & C/L RUMBLE STRIPS
	G20-2A	END ROAD WORK	1	30	30	
STH 96 (EB)	W20-1	ROAD WORK AHEAD	1	30	30	MILL/OVER & C/L RUMBLE STRIPS
	G20-2A	END ROAD WORK	1	30	30	MILL/OVER & C/L RUMBLE STRIPS
END OF PROJECT						
USH 45 (SB)	W20-1	ROAD WORK AHEAD	1	30	30	MILL/OVER & C/L RUMBLE STRIPS
, ,	W20-1	ROAD WORK 1000 FT	1	30	30	MILL/OVER & C/L RUMBLE STRIPS
	W20-1	ROAD WORK 500 FT	1	30	30	MILL/OVER & C/L RUMBLE STRIPS
	G20-1	ROAD WORK NEXT 6 MILES	1	30	30	MILL/OVER & C/L RUMBLE STRIPS
USH 45 (NB)	G20-2A	END ROAD WORK	1	30	30	MILL/OVER & C/L RUMBLE STRIPS
SIDEROADS						
S CROSSWIND DR	W20-1	ROAD WORK AHEAD	1	30	30	MILL/OVER & C/L RUMBLE STRIPS
SCHOOL RD	W20-1	ROAD WORK AHEAD	1	30	30	MILL/OVER & C/L RUMBLE STRIPS
BREHMER RD	W20-1	ROAD WORK AHEAD	1	30	30	MILL/OVER & C/L RUMBLE STRIPS
SHAKY LAKE RD	W20-1	ROAD WORK AHEAD	1	30	30	MILL/OVER & C/L RUMBLE STRIPS
KANAMAN RD	W20-1	ROAD WORK AHEAD	1	30	30	MILL/OVER & C/L RUMBLE STRIPS
EVERTS LN	W20-1	ROAD WORK AHEAD	1	30	30	MILL/OVER & C/L RUMBLE STRIPS
CTH TT	W20-1	ROAD WORK AHEAD	1	30	30	MILL/OVER & C/L RUMBLE STRIPS
CTH TT	G20-2A	END ROAD WORK	1	30	30	MILL/OVER & C/L RUMBLE STRIPS
DEER BROOK LN	W20-1	ROAD WORK AHEAD	1	30	30	MILL/OVER & C/L RUMBLE STRIPS
				TOTAL	77.4	=
				TOTAL	774	

PROJECT NO: 6430-07-60

FILE NAME: N:N:pds\design id\6430-07-00.71 ush 45\quantities\6430-07-60

HWY: USH 45

COUNTY: WAUPACA

PLOT DATE: 1/27/2016 6:41 AM

MISCELLANEOUS QUANTITIES - 6

SHEET:

PLOT BY: _____ PLOT NAME: 030201 mg 60

3

TRAFFIC CONTROL DETOUR SIGNS

	SIGN		NUMBER	DAYS	643.3000 TOTAL	
LOCATION	NUMBER	MESSAGE	REQUIRED	NEEDED	DAYS	REMARKS
CATEGORY 0010						
STH 49 (WB) &	M3-1	NORTH	1	3	3	SEE DETOUR ROUTE OVERVIEW
USH 10	M1-4	USH 45	1	3	3	SEE DETOUR ROUTE OVERVIEW
INTERCHANGE	W20-2A	DETOUR AHEAD	1	3	3	SEE DETOUR ROUTE OVERVIEW
	W57-52	XX MILES AHEAD	1	3	3	SEE DETOUR ROUTE OVERVIEW
USH 10 (WB) &	M3-1	NORTH	1	3	3	SEE DETOUR ROUTE OVERVIEW
STH 76	M1-4	USH 45	1	3	3	SEE DETOUR ROUTE OVERVIEW
INTERCHANGE	W20-2A	DETOUR AHEAD	1	3	3	SEE DETOUR ROUTE OVERVIEW
	W57-52	XX MILES AHEAD	11	3	3	SEE DETOUR ROUTE OVERVIEW
STH 76 & STH 96	M4-8	DETOUR	10	3	30	SEE DETOUR - DETAIL B
INTERSECTION	M3-1	NORTH	9	3	27	SEE DETOUR - DETAIL B
	M3-3	SOUTH	3	3	9	SEE DETOUR - DETAIL B
	M1-4	USH 45	12	3	36	SEE DETOUR - DETAIL B
	M5-1L	ARROW	1	3	3	SEE DETOUR - DETAIL B
	M6-1	ARROW	5	3	15	SEE DETOUR - DETAIL B
	M5-1R	ARROW	2	3	6	SEE DETOUR - DETAIL B
	W20-2A	DETOUR AHEAD	2	3	6	SEE DETOUR - DETAIL B
STH 96 & CTH T /	M4-8	DETOUR	12	3	36	SEE DETOUR - DETAIL C
STH 96 & CTH M	M3-1	NORTH	6	3	18	SEE DETOUR - DETAIL C
INTERSECTIONS	M3-3	SOUTH	6	3	18	SEE DETOUR - DETAIL C
	M1-4	USH 45	12	3	36	SEE DETOUR - DETAIL C
	M5-1L	ARROW	2	3	6	SEE DETOUR - DETAIL C
	M6-1	ARROW	4	3	12	SEE DETOUR - DETAIL C
	M5-1R	ARROW	2	3	6	SEE DETOUR - DETAIL C
STH 96 & USH 45	M4-8	DETOUR	8	3	24	SEE DETOUR - DETAIL D
INTERSECTION	M3-1	NORTH	7	3	21	SEE DETOUR - DETAIL D
	M3-3	SOUTH	1	3	3	SEE DETOUR - DETAIL D
	M4-6	END	1	3	3	SEE DETOUR - DETAIL D
	M1-4	USH 45	8	3	24	SEE DETOUR - DETAIL D
	M5-1L	ARROW	1	3	3	SEE DETOUR - DETAIL D
	M6-1	ARROW	4	3	12	SEE DETOUR - DETAIL D
	M5-1R	ARROW	1	3	3	SEE DETOUR - DETAIL D
	W20-2A	DETOUR AHEAD	2	3	6	SEE DETOUR - DETAIL D
	G20-51	DETOUR NEXT 23 MILES	1	3	3	SEE DETOUR - DETAIL D
	M1-88A	ARROW	2	3	6	SEE DETOUR - DETAIL D
	R11-4	ROAD CLOSED TO THRU TRAFFIC	2	3	6	SEE DETOUR - DETAIL D
	R11-3	ROAD CLOSED 1 MILE AHEAD LOCAL TRAFFIC ONLY	1	3	3	SEE DETOUR - DETAIL D

CONT. ON NEXT PAGE

PROJECT NO: 6430-07-60 HWY: USH 45 COUNTY: WAUPACA MISCELLANEOUS QUANTITIES - 7 SHEET: E

FILE NAME : N:\pds\design id\6430-07-00.71 ush 45\quantitities\6430-07-60 PLOT NAME : 030201 mg 60 PLOT SCALE : 1:1

TRAFFIC CONTROL DETOUR SIGNS

LOCATION	SIGN NUMBER	MESSAGE	NUMBER REQUIRED	DAYS NEEDED	643.3000 TOTAL DAYS	REMARKS
CATEGORY 0010						
STH 15 & USH 45	M4-8	DETOUR	6	3	18	SEE DETOUR - DETAIL E
INTERSECTION	M3-1	NORTH	1	3	3	SEE DETOUR - DETAIL E
	M3-3	SOUTH	4	3	12	SEE DETOUR - DETAIL E
	M4-6	END	1	3	3	SEE DETOUR - DETAIL E
	M1-4	USH 45	5	3	15	SEE DETOUR - DETAIL E
	M5-1L	ARROW	1	3	3	SEE DETOUR - DETAIL E
	M6-1	ARROW	3	3	9	SEE DETOUR - DETAIL E
	W20-2A	DETOUR AHEAD	2	3	6	SEE DETOUR - DETAIL E
	M1-88A	ARROW	1	3	3	SEE DETOUR - DETAIL E
	R11-3	ROAD CLOSED 4 MILES AHEAD	1	3	3	SEE DETOUR - DETAIL E
		LOCAL TRAFFIC ONLY				
STH 15 & CTH T	M4-8	DETOUR	4	3	12	SEE DETOUR - DETAIL F
INTERSECTION	M3-1	NORTH	2	3	6	SEE DETOUR - DETAIL F
	M3-3	SOUTH	2	3	6	SEE DETOUR - DETAIL F
	M1-4	USH 45	4	3	12	SEE DETOUR - DETAIL F
	M6-1	ARROW	2	3	6	SEE DETOUR - DETAIL F
STH 15 & CTH M	M4-8	DETOUR	2	3	6	SEE DETOUR - DETAIL G
INTERSECTION	M3-1	NORTH	1	3	3	SEE DETOUR - DETAIL G
	M3-3	SOUTH	1	3	3	SEE DETOUR - DETAIL G
	M1-4	USH 45	2	3	6	SEE DETOUR - DETAIL G
STH 15 & CTH JJ	M4-8	DETOUR	4	3	12	SEE DETOUR - DETAIL H
INTERSECTION	M3-1	NORTH	2	3	6	SEE DETOUR - DETAIL H
	M3-3	SOUTH	2	3	6	SEE DETOUR - DETAIL H
	M1-4	USH 45	4	3	12	SEE DETOUR - DETAIL H
	M6-1	ARROW	2	3	6	SEE DETOUR - DETAIL H
STH 15 & STH 76	M4-8	DETOUR	13	3	39	SEE DETOUR - DETAIL I
INTERSECTION	M3-1	NORTH	7	3	21	SEE DETOUR - DETAIL I
	M3-3	SOUTH	7	3	21	SEE DETOUR - DETAIL I
	M1-4	USH 45	14	3	42	SEE DETOUR - DETAIL I
	M5-1L	ARROW	1	3	3	SEE DETOUR - DETAIL I
	M6-1	ARROW	8	3	24	SEE DETOUR - DETAIL I
	M5-1R	ARROW	2	3	6	SEE DETOUR - DETAIL I
	W20-2A	DETOUR AHEAD	1	3	3	SEE DETOUR - DETAIL I

TOTAL 741

HWY: USH 45 COUNTY: WAUPACA PROJECT NO: 6430-07-60 MISCELLANEOUS QUANTITIES - 8 SHEET:

FILE NAME : N:\pds\design id\6430-07-00,71 ush 45\quantities\6430-07-60 PLOT DATE : 1/27/2016 6:41 AM PLOT BY : _____ PLOT NAME : <u>030201 mg 60</u> PLOT SCALE: 1:1

90.0150	
LF	

28

8

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30 30

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TOTAL 920

								040.2004.0		043.0403			
			646.01			646	.0406	GROOVED WET	647.0726	TEMPORARY	,		
			4-INC	CH		SAME D	AY 4-INCH	REFLECTIVE	DIAGONAL	EPOXY			
		SOLID	DASHED	SOLID	DASHED	SOLID	DASHED	EPOXY 4-INCH	12-INCH	4-INCH			
		(YELLOW)	(YELLOW)	(WHITE)	(WHITE)	(YELLOW)	(YELLOW)	(WHITE)	(YELLOW)	(YELLOW)			
STATION - STATION	LOCATION	LF	LF	LF	LF	LF	LF	LF	LF	LF	REMARKS	SAI	WING ASPHALT
												<u> </u>	WING ACTITAL!
CATEGORY 0010													
45+50 - 48+60	USH 45 (NB)	310		310					55			STATION - STATION	LOCATION
40+10 - 48+60	USH 45 (SB)	860		860									200,111011
48+60 - 54+50	USH 45 (NB & SB)	590	150.0			590	150.0					CATEGORY 0010	
286+50 - 297+25	USH 45 (NB & SB)	1325	317.5			1325	317.5					40+10	USH 45 (SB)
297+25 - 312+25	USH 45 (NB & SB)	3000				3000						46+05	USH 45 (SB)
312+25 - 323+00	USH 45 (NB & SB)	1075	275.0			1075	275.0					46+05 - 47+50	USH 45 (SB)
323+00 - 325+25	USH 45 (NB & SB)		62.5				62.5					47+00 - 48+00	USH 45 (SB) GORE
325+25 - 336+00	USH 45 (NB & SB)	1075	275.0			1075	275.0					48+60	USH 45 (RT)
336+00 - 342+25	USH 45 (NB & SB)	1250				1250						237+45	USH 45 CROSSDRAIN
342+25 - 354+50	USH 45 (NB & SB)	1225	312.5			1225	312.5					238+20	USH 45 CROSSDRAIN
354+50 - 381+75	USH 45 (NB & SB)		687.5				687.5					263+00	USH 45 CROSSDRAIN
381+75 - 386+95	USH 45 (NB & SB)	520	125.0			520	125.0					263+85	USH 45 CROSSDRAIN
EVERTS LN	SIDEROAD				27.0						3' LINE, 9' GAP	286+50	USH 45 (LT & RT)
USH 45 (LT)	SIDEROAD				62.5						12.5' LINE, 37.5' GAP	386+95	USH 45 (LT & RT)
CTH TT	SIDEROAD				138.0						3' LINE, 9' GAP	285+80 - 288+00	USH 45 RT TURN LANE
UNDISTRIBUTED	USH 45									5000		EVERTS LN	SIDEROAD
												HICKORY RIDGE RD	SIDEROAD
	CATEGORY 0010 TOTALS	11230	2205.0	1170	228	10060	2205.0	0	55	5000	=	LEDGE ROCK RD	SIDEROAD
												COUNTRY VIEW LN	SIDEROAD
CATEGORY 0020												CTH TT	SIDEROAD
48+00 - 386+95	USH 45 (LT & RT)							67120			EDGELINE	DEER BROOK LN	SIDEROAD
48+00 - 286+50	USH 45 C/L	6589	4907.5			6589	4907.5				CENTERLINE	DEEK BROOK EN	SIDENOAD
													TOTAL
	CATEGORY 0020 TOTALS	6589	4907.5	0	0	6589	4907.5	67120	0	0	=		TOTAL
											_		
	GRAND TOTALS	3	26329	9.0		237	761.5	67120	55	5000	_		

646.2304.S

649.0403

PAVEMENT MARKING EPOXY

CONSTRUCTION STAKING

650.8000 650.9910 650.6000 CULVERT RESURFACING SUPPLEMENTAL PIPE REFERENCE CONTROL STATION - STATION EACH LF LS **CATEGORY 0010** 40+10 - 48+60 850 40+10 - 386+95 237+75 237+89 263+35 ---263+51 286+50 - 386+95 10045 TOTALS 4 10895

GORE MEDIAN RUMBLE STRIPS

SPV.0105.01 STATION - STATION LOCATION LS CATEGORY 0010 47+00 - 48+00 USH 45 TOTAL

Ε HWY: USH 45 COUNTY: WAUPACA SHEET: PROJECT NO: 6430-07-60 **MISCELLANEOUS QUANTITIES - 9**

FILE NAME : N:\pds\design id\6430-07-00,71 ush 45\quantities\6430-07-60

PLOT DATE : <u>1/27/2016 6:41 AM</u>

1

PLOT NAME : 030201 mg 60

PLOT SCALE: 1:1

ACCEPTED FOR RECORDING AND FILING IN LOCATION MAP TRANSPORTATION PROJECT PLAT NO: 6430-07-21-4.01 THE OFFICE OF THE REGISTER OF DEEDS IN WAUPACA COUNTY, WISCONSIN AT _:_ ON Givens Rd AS DOCUMENT #_____ THAT PART OF THE NE-SE OF SECTION 36, TOWNSHIP 22 NORTH, RANGE 14 EAST, TOWN OF MUKWA. FILED IN _____ SHEET WAUPACA COUNTY, WISCONSIN CATION RELOCATION ORDER USH 45. WAUPACA COUNTY. WINCHESTER - NEW LONDON (CTH W TO CTH D) TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT. COURSE TABLE POINT TO POINT BEARING DISTANCE SIGNATURE OF REGISTER OF DEEDS TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION AC SEC4 SEC7 01° 10' 53" E 2651.74' HEREBY ORDERS THAT:

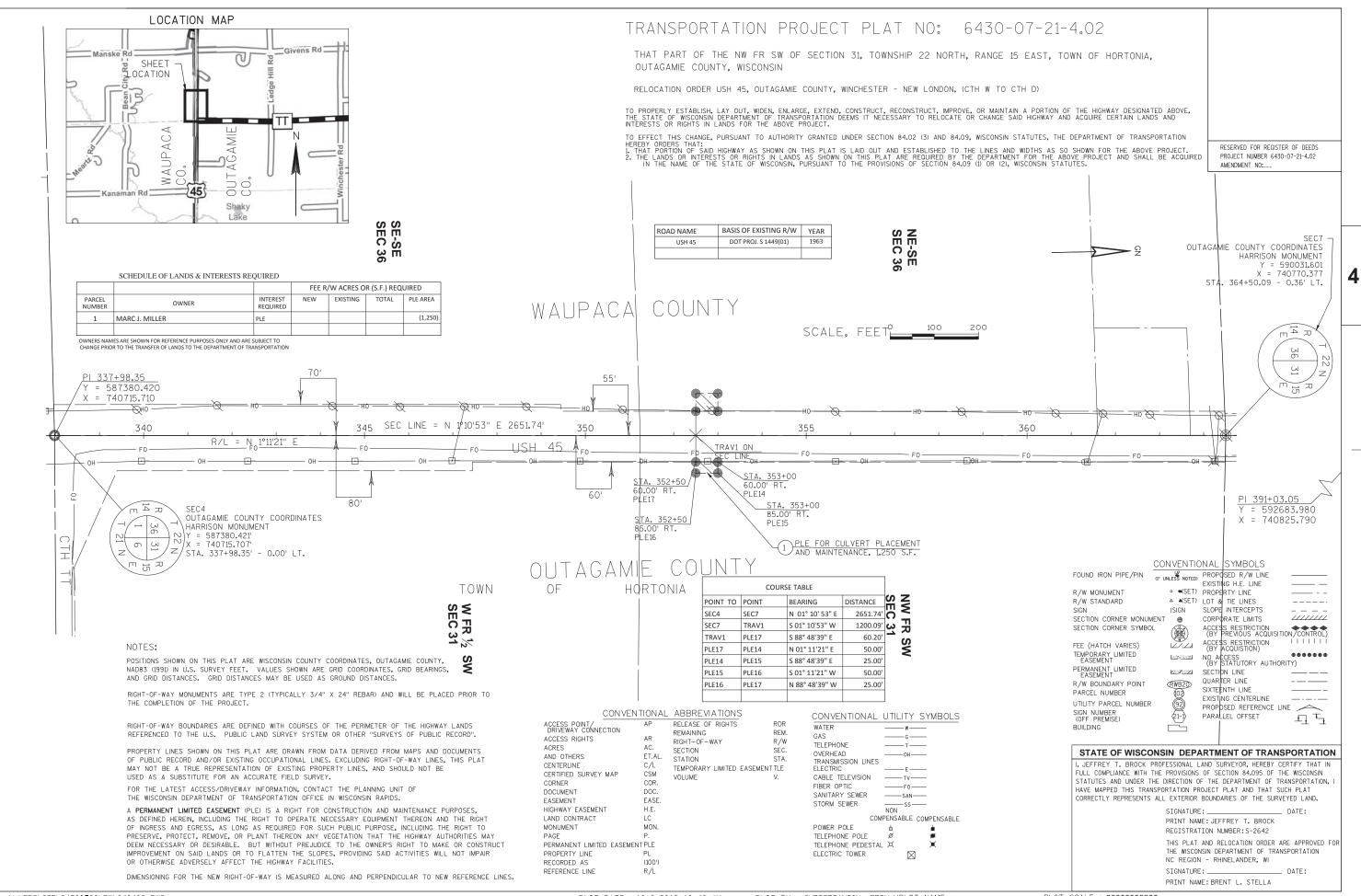
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.

2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES. RESERVED FOR REGISTER OF DEEDS SEC7 TRAV1 S 01" 10'53" W 1200.09' AUP, PROJECT NUMBER 6430-07-21-4.01 TRAV1 PLE10 N 88" 48'39" W 54.80' AMENDMENT NO:__ PLE10 PLE11 N 88" 48'39" W 40.00' N 01° 11'21" E 50.00' PLE11 PLE12 ROAD NAME BASIS OF EXISTING R/W YEAR S 88° 48'39" E 40.00' 45 PLE12 PLE13 S 01" 11'21" W 50.00' DOT PROJ. S 1449(01) PLE13 PLE10 TOWN MUKWA SS SE-SE SEC 36 SEC SE-S OUTAGAMIE COUNTY COORDINATES HARRISON MONUMENT Y = 590031.601 SCHEDULE OF LANDS & INTERESTS REQUIRED X = 740770.3774 364+50.09 - 0.36' LT. FEE R/W ACRES OR (S.F.) REQUIRED NUMBER REQUIRED WAUPACA COUNT 2 TERRY G. COONEY (2,000)UTILITY INTERESTS REQUIRED INTEREST REQUIRED UTILITY NUMBER OWNER(S) CHANGE PRIOR TO THE TRANSFER OF LANDS TO THE DEPARTMENT OF TRANSPORTATION BLDG. RELEASE OF RIGHTS STA. 353+00 BLDG. PLE12 BLDG. 31 STA. 353+00 55.00' LT. PI 337+98.35 STA. 352+50 55.00' LT.\ = 587380.420 X = 740715.710PLE13 PLF10 345 SEC LINE = N 1/10'53" E 2651.74 340 350 355 360 $R/L = N 1^{\circ}11'21''$ LISH 45 TRAV1 ON - OH----Y = 592683,980 OUTAGAMIE COUNTY COORDINATES X = 740825.790 HARRISON MONUMENT 0 Y = 587380.421STA. 337+98.35' - 0.00' LT. OUTAGAMIE COUNTY CONVENTIONAL SYMBOLS (I" UNLESS NOTED) PROPOSED R/W LINE FOUND IRON PIPE/PIN EXISTING H.E. LINE • (SET) PROPERTY LINE R/W MONUMENT SEC R/W STANDARD △ ▲(SET) LOT & TIE LINES W FR SEC ____ ISIGN SLOPE INTERCEPTS SECTION CORNER MONUMENT 11111111 CORPORATE LIMITS SECTION CORNER SYMBOL ACCESS RESTRICTION (BY PREVIOUS ACQUI: ON/CONTROL) SCALE, FEET NOTES: ACCESS RESTRICTION (BY ACQUISTION) FEE (HATCH VARIES) POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, OUTAGAMIE COUNTY, TEMPORARY LIMITED EASEMENT 0.6269/856261 NO ACCESS
(BY STATUTORY AUTHORITY) NAD83 (1991) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, PERMANENT LIMITED EASEMENT SECTION LINE AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES. (WB20) (02) (92) OLIARTER LINE R/W BOUNDARY POINT RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICALLY 3/4" X 24" REBAR) AND WILL BE PLACED PRIOR TO SIXTEENTH LINE PARCEL NUMBER THE COMPLETION OF THE PROJECT. EXISTING CENTERLINE UTILITY PARCEL NUMBER PROPOSED REFERENCE LINE CONVENTIONAL ABBREVIATIONS SIGN NUMBER (OFF PREMISE) CONVENTIONAL UTILITY SYMBOLS PARALLEL OFFSET - 모 - 도 RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS RELEASE OF RIGHTS ACCESS POINT/ DRIVEWAY CONNECTION WATER REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS OF PUBLIC RECORD". REMAINING REM. ACCESS RIGHTS RIGHT-OF-WAY R/W STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS TELEPHONE. AC. ACRES SECTION OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. EXCLUDING RIGHT-OF-WAY LINES, THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, AND SHOULD NOT BE OVERHEAD — он —— AND OTHERS ET.AL I, JEFFREY T. BROCK PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN STATION TRANSMISSION LINES ELECTRIC CENTERLINE TEMPORARY LIMITED EASEMENT TLE FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84,095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY. CERTIFIED SURVEY MAP CSM VOLUME CABLE TELEVISION _____TV____ COR. FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF CORNER HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND THAT SUCH PLAT FIBER OPTIC ——F0—— DOCUMENT DOC. THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WISCONSIN RAPIDS. CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND. SANITARY SEWER -----SAN-----EASEMENT EASE A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, STORM SEWER -ss--SIGNATURE: ___ HIGHWAY FASEMENT H.E. NON AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT PRINT NAME: JEFFREY T. BROCK LAND CONTRACT COMPENSABLE COMPENSABLE OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY REGISTRATION NUMBER: S-2642 MONUMENT POWER POLE TELEPHONE POLE THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR DEEM NECESSARY OR DESIRABLE. BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHT TO MAKE OR CONSTRUCT PERMANENT LIMITED EASEMENTPLE TELEPHONE PEDESTAL X THE WISCONSIN DEPARTMENT OF TRANSPORTATION IMPROVEMENT ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR PROPERTY LINE ELECTRIC TOWER \boxtimes NC REGION - RHINEL ANDER, WI OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES. RECORDED AS SIGNATURE: ___ DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO NEW REFERENCE LINES. REFERENCE LINE R/L PRINT NAME: BRENT I. STELLA

FILE NAME : N:\PDS\C3D\64300760\RW\040401.DWG APPRAISAL PLAT DATE : _______ PLOT DATE: 10/6/2015 10:45 AM

PLOT BY : CHRISTIANSON, ERIN MPLOT NAME : ______PLOT SCALE : *********

_____ 4.__

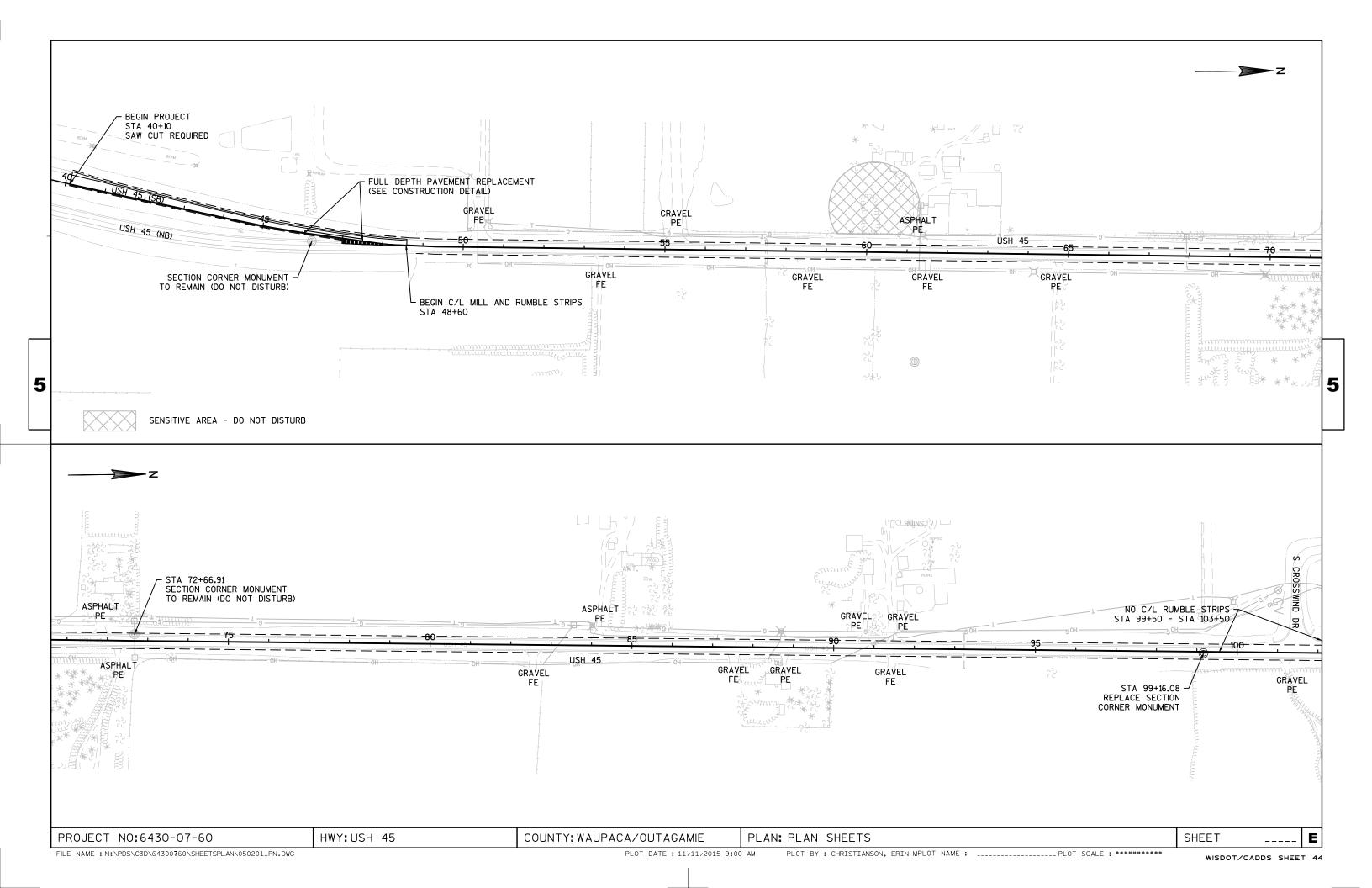


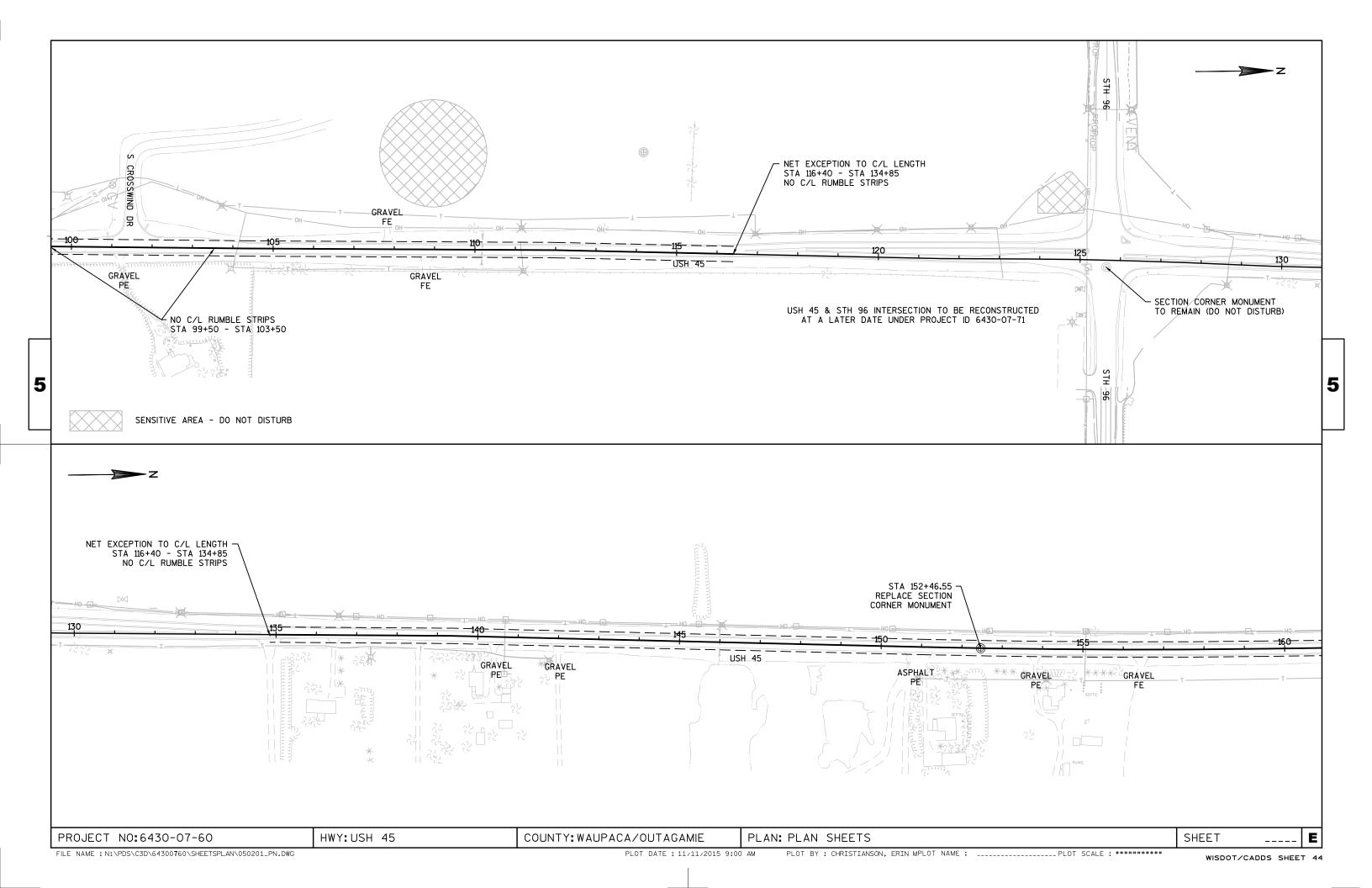
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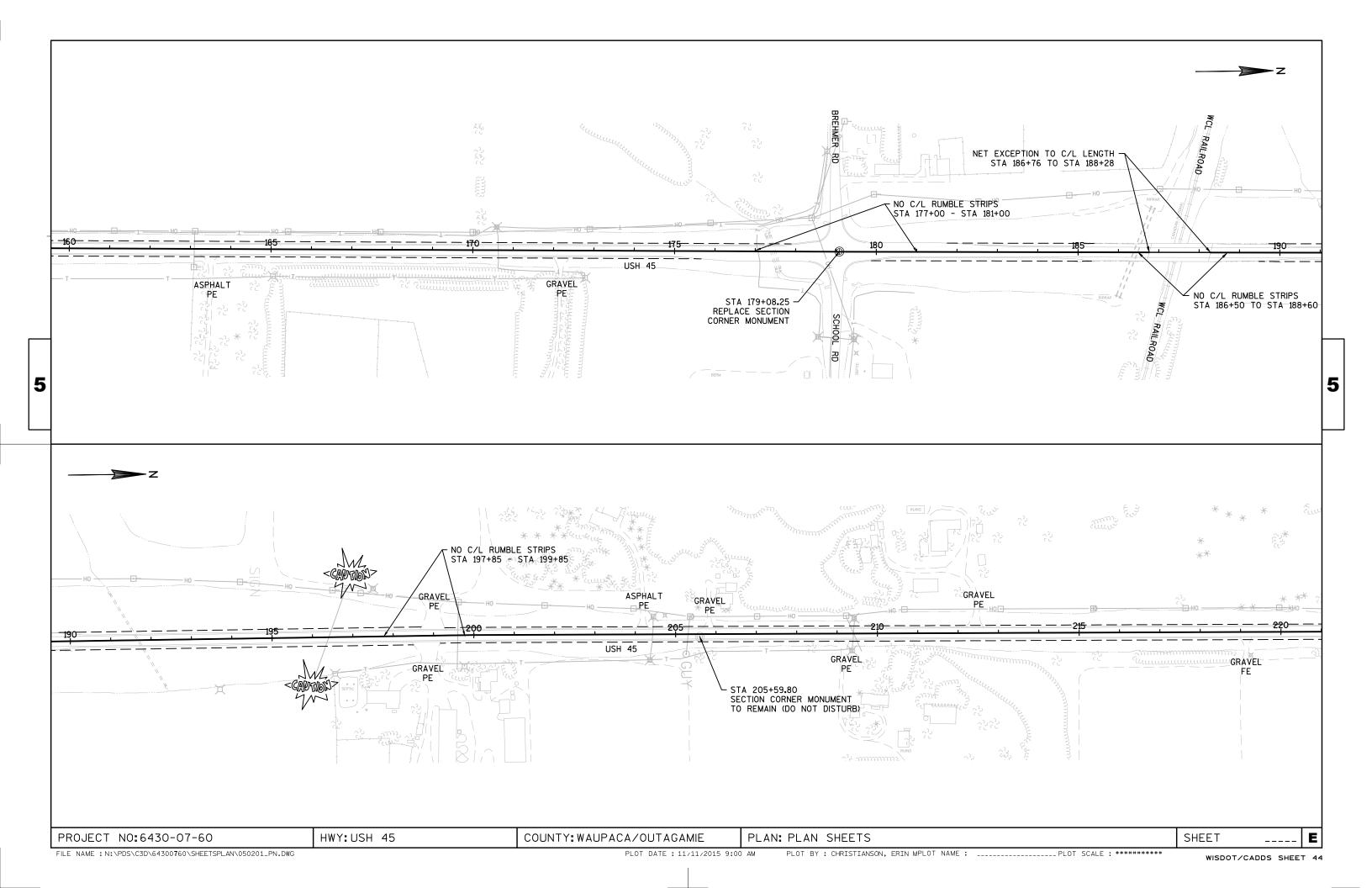
PLOT BY : CHRISTIANSON, ERIN MPLOT NAME : _______PLOT SCALE : **********

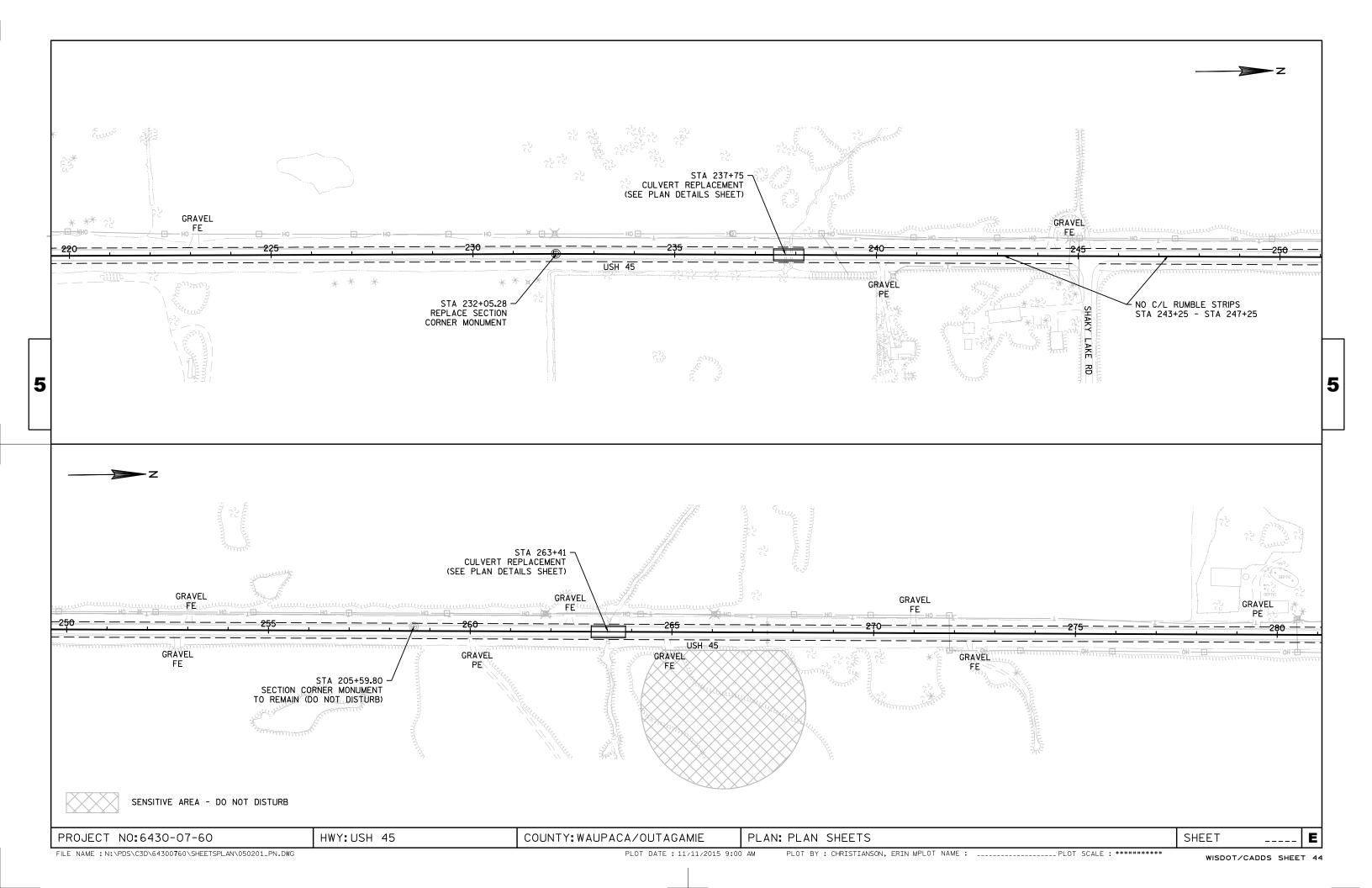
EOT BY , CHRISTIANSON, EITH WILES HAME !

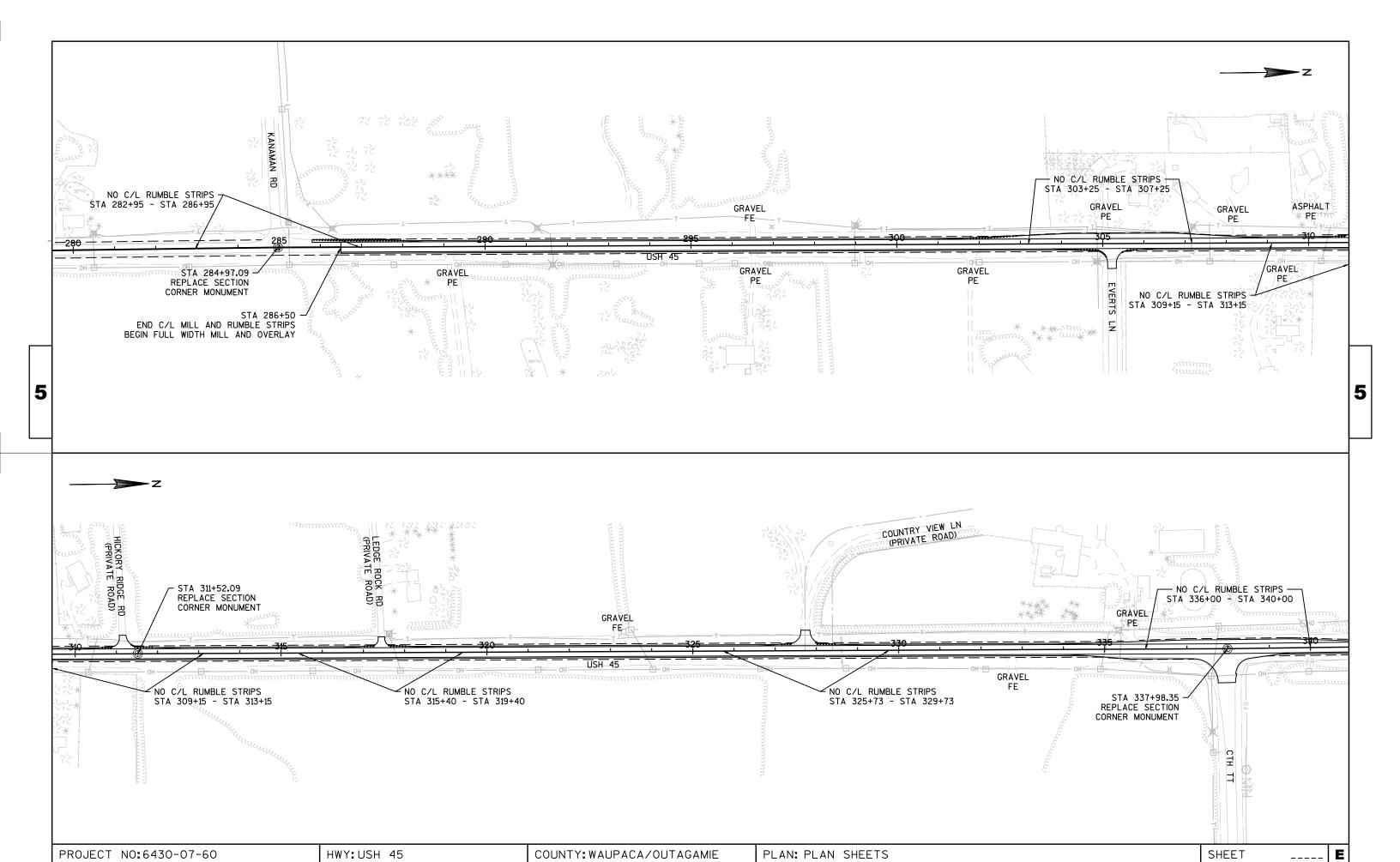
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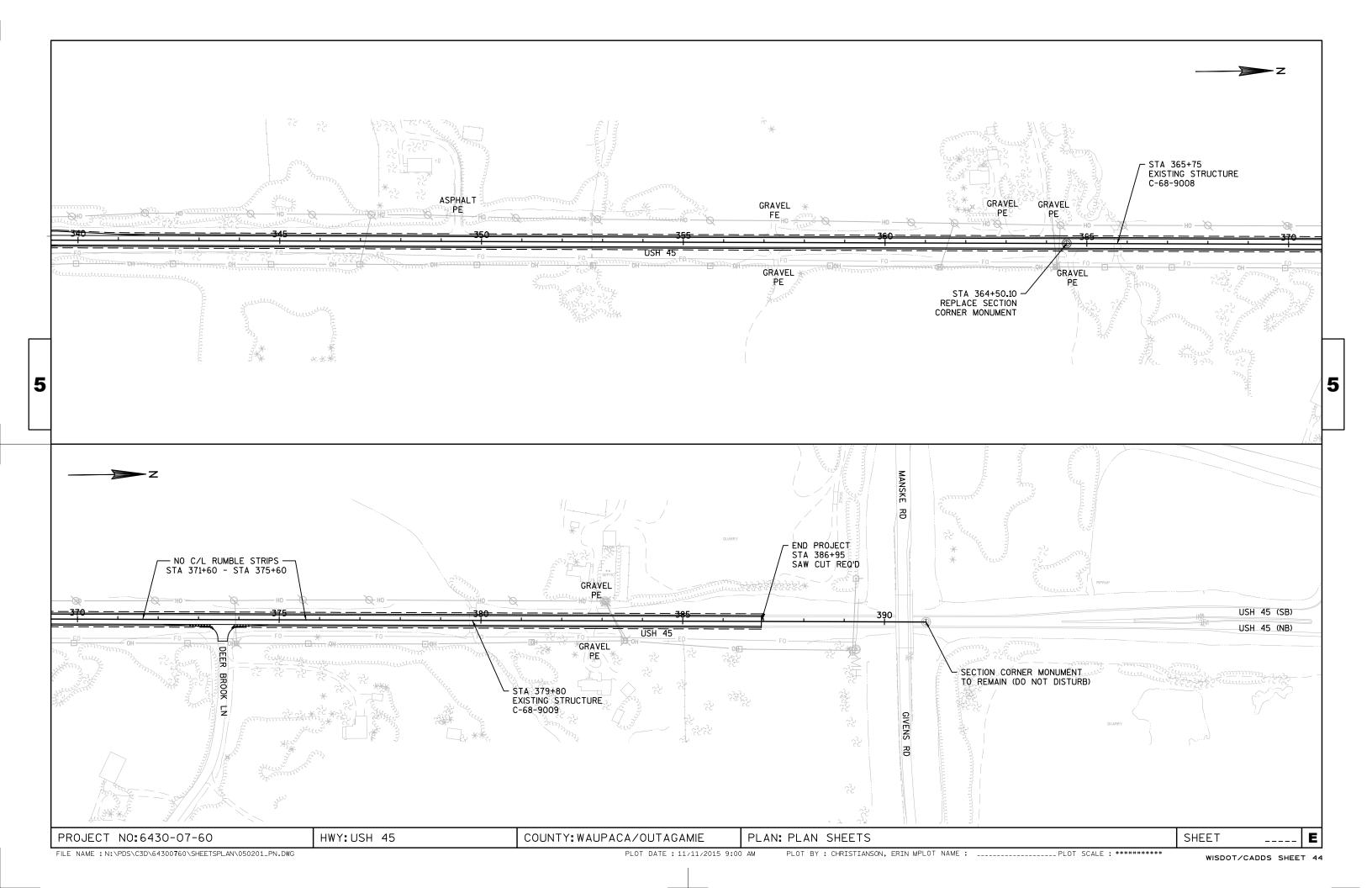




FILE NAME : N:\PDS\C3D\64300760\SHEETSPLAN\050201_PN.DWG

PLOT DATE: 11/11/2015 9:00 AM

WISDOT/CADDS SHEET 44



Standard Detail Drawing List

08E09-06	SILT FENCE
08F02-01	APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE
09A01-13A	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE INTERSECTION BYPASS LANE
13A08-01	ASPHALTIC RUMBLE STRIPS AT INTERSECTION
13A11-02A	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13A11-02B	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
14B29-01	SAFETY EDGE
15A02-08	DELINEATOR POST, DELINEATOR, AND DELINEATOR BRACKET WITH REFLECTIVE SHEETING
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15A06-02	DELI NEATOR LAYOUT
15C02-06A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-03	BARRI CADES AND SIGNS FOR SIDEROAD CLOSURES
15C04-03	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C06-07	SIGNING & MARKING FOR TWO LANE BRIDGES
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C08-16B	PAVEMENT MARKING (INTERSECTIONS)
15C12-04	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15C21-06	SIGNING AND MARKING FOR TWO LANE TO FOUR LANE DIVIDED TRANSITIONS
15D21-03	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D28-03	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D38-01B	ATTACHMENT OF SIGNS TO POSTS

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TYPICAL APPLICATION OF SILT FENCE

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PLAN VIEW SILT FENCE AT MEDIAN SURFACE DRAINS



GENERAL NOTES

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

- \bigcirc HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
- ② FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- 3 WOOD POSTS SHALL BE A MINIMUM SIZE OF 11/8" X 11/8" OF OAK OR HICKORY.
- 4) SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
- (5) CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



TRENCH DETAIL



SILT FENCE TIE BACK
(WHEN REQUIRED BY THE ENGINEER)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4-29-05 /S/ Beth Cannestra

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

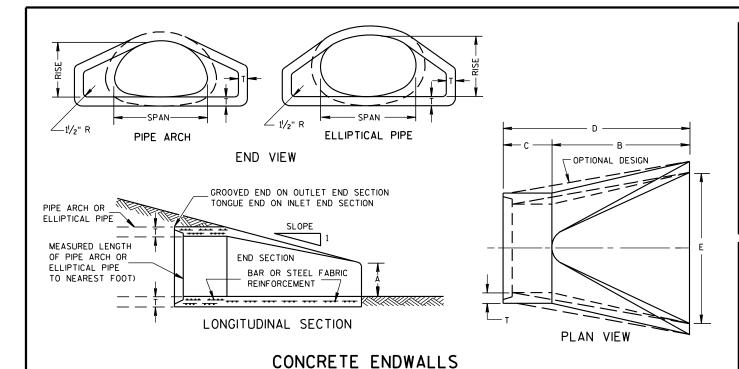
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D.D. 8 E 9

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Checkson SPAN RISE STEEL ALUM. (±1") (MAX.) (±1") (±1½") (±1½") (±2") SLOPE	2- 2/3" X 1/2" CORRUGATIONS													
DIA. (Inches) A B H L L1 L2 W (±2") SLOPE BOD'	EQUIV.	(loci	hasi	MIN. 1	HICK.				APPROX					
15	DIA.			(Incl	nes)	A	В		L					BODY
18 21 15 .064 .060 7 10 6 23 14 19¾8 36 2½to 1 1 Pc 21 24 18 .064 .060 8 12 6 28 18 21¾4 42 2½to 1 1 Pc 24 28 20 .064 .060 9 14 6 32 18 27½ 48 2½to 1 1 Pc 30 35 24 .079 .075 10 16 6 39 18 37½ 60 2½to 1 1 Pc 36 42 29 .079 .075 12 18 8 46 24 45¾ 75 2½to 1 1 Pc 42 49 33 .109 .105 13 21 9 53 24 54¾ 85 2½to 1 3 Pc 48 57 38 .109 .105 18 26 12 63 24 68 90 2½to 1 3 Pc 54 64 43 .109 .105 18 30 12 70 24 72¾ 102 2½to 1 3 Pc 60 71 47 </th <th>(Inches)</th> <th>SPAN</th> <th>RISE</th> <th>STEEL</th> <th>ALUM.</th> <th>(±]")</th> <th>(MAX.)</th> <th>(±]")</th> <th>(±1 ½")</th> <th>①</th> <th>0</th> <th>(±2")</th> <th>3E0. E</th> <th></th>	(Inches)	SPAN	RISE	STEEL	ALUM.	(±]")	(MAX.)	(±]")	(±1 ½")	①	0	(±2")	3E0. E	
21	15	17	13	.064	.060	7	9	6	19	14	16	30	2½+o 1	1Pc.
24 28 20 .064 .060 9 14 6 32 18 27½ 48 2½ to 1 1 Pc 30 35 24 .079 .075 10 16 6 39 18 375% 60 2½ to 1 1 Pc 36 42 29 .079 .075 12 18 8 46 24 45¾ 75 2½ to 1 1 Pc 42 49 33 .109 .105 13 21 9 53 24 54¾ 85 2½ to 1 2 Pc 48 57 38 .109 .105 18 26 12 63 24 68 90 2½ to 1 3 Pc 54 64 43 .109 .105 18 30 12 70 24 72¾ 102 2¼ to 1 3 Pc 66 77 52 .109* .105* 18 36 12 77 — 126 2 to 1 3 Pc 66 77 52 .109* .105* 18 36 12 77 — 126 2 to 1 3 Pc	18	21	15	.064	.060	7	10	6	23	14	193/8	36	21/2+o 1	1Pc.
30 35 24 .079 .075 10 16 6 39 18 375/8 60 21/2 to 1 1 Pc 36 42 29 .079 .075 12 18 8 46 24 453/8 75 21/2 to 1 1 Pc 42 49 33 .109 .105 13 21 9 53 24 543/4 85 21/2 to 1 2 Pc 48 57 38 .109 .105 18 26 12 63 24 68 90 21/2 to 1 3 Pc 54 64 43 .109 .105 18 30 12 70 24 723/4 102 21/4 to 1 3 Pc 60 71 47 .109* .105* 18 33 12 77 30 821/4 114 21/4 to 1 3 Pc 66 77 52 .109* .105* 18 36 12 77 — 126 2 to 1 3 Pc	21	24	18	.064	.060	8	12	6	28	18	213/4	42	21/2+o 1	1Pc.
36	24	28	20	.064	.060	9	14	6	32	18	271/2	48	21/2+0 1	1 Pc.
42 49 33 .109 .105 13 21 9 53 24 54¾ 85 2½to 1 2 Pr 48 57 38 .109 .105 18 26 12 63 24 68 90 2½to 1 3 Pr 54 64 43 .109 .105 18 30 12 70 24 72¾ 102 2¼to 1 3 Pr 60 71 47 .109* .105* 18 33 12 77 30 82¼ 114 2¼to 1 3 Pr 66 77 52 .109* .105* 18 36 12 77 — 126 2 to 1 3 Pr	30	35	24	.079	.075	10	16	6	39	18	375/8	60	21/2+o 1	1 Pc.
48 57 38 .109 .105 18 26 12 63 24 68 90 2½t 1 3 Pr 54 64 43 .109 .105 18 30 12 70 24 72¾ 102 2½t 1 3 Pr 60 71 47 .109* .105* 18 33 12 77 30 82¼ 114 2¼t 1 3 Pr 66 77 52 .109* .105* 18 36 12 77 — 126 2 to 1 3 Pr	36	42	29	.079	.075	12	18	8	46	24	45%	75	21/2+o 1	1Pc.
54 64 43 .109 .105 18 30 12 70 24 72¾ 102 2½/4 to 1 3 Po 60 71 47 .109* .105* 18 33 12 77 30 82¼ 114 2¼ to 1 3 Po 66 77 52 .109* .105* 18 36 12 77 — 126 2 to 1 3 Po	42	49	33	.109	.105	13	21	9	53	24	54¾	85	21/2 to 1	2 Pc.
60 71 47 .109* .105* 18 33 12 77 30 82'/4 114 2'/4+0 1 3 PG 66 77 52 .109* .105* 18 36 12 77 — 126 2 +0 1 3 PG	48	57	38	.109	.105	18	26	12	63	24	68	90	2½+o 1	3 Pc.
66 77 52 .109* .105* 18 36 12 77 — — 126 2 to 1 3 Pd	54	64	43	.109	.105	18	30	12	70	24	723/4	102	2 ¹ / ₄ +o 1	3 Pc.
	60	71	47	.109*	.105*	18	33	12	77	30	821/4	114	21/4+0 1	3 Pc.
70 07 57 1004 1054 10 70 10 77	66	77	52	. 109*	.105 *	18	36	12	77	_	-	126	2 to 1	3 Pc.
12 83 57 .109* .105* 18 39 12 77 — — 138 2 †0 1 3 Pa	72	83	57	.109*	.105*	18	39	12	77	_	_	138	2 to 1	3 Pc.

				3	3" X 1	" COR	RUGA	TIONS					
EQUIV.	(Inches)		MIN. THICK.		DIMENSIONS (Inches)							APPROX.	BODA
(Inches)	SPAN	RISE	STEEL	ALUM.	A (±]")	B (MAX.)	H (±]")	(±1 ½")	∑ ⊖	^⊖	(±2") SLOPE BODY		
48	53	41	.109	.105	18	26	12	63	24	723/4	90	2½+o 1	2 Pc.
54	60	46	.109	.105	18	30	12	70	30	821/4	102	2 to 1	2 Pc.
60	66	51	.109*	.105 *	18	33	12	77	_	_	114	11/2+0 1	3 Pc.
66	73	55	.109 *	. 105*	18	36	12	77	_	_	126	11/2+0 1	3 Pc.
72	81	59	. 109*	.105 *	18	39	12	77	_	_	138	2 to 1	3 Pc.
78	87	63	.109*	.105*	22	38	12	77	_	_	148	1/2+0 1	3 Pc.
84	95	67	. 109*	.105×	22	34	12	77	_	_	162	11/2+0 1	3 Pc.
90	103	71	.109*	. 105*	22	38	12	77	_	_	174	11/2+0 1	3 Pc.
96	112	75	.109*	.105*	24	40	12	77	_	_	174	11/2 to 1	3 Pc.

NOTE: ALL SPLICES TO BE LAP RIVETED OR BOLTED.

THREADED 7/6" DIA. ROD OVER TOP OF APRON, SIDE

LUGS TO BE RIVETED TO

MEASURED LENGTH OF PIPE ARCH

MEASURED LENGTH

OF PIPE ARCH

SECTION

CONNECTOR SECTION

TO BE PAID FOR AS

PART OF END SECTION

CONNECTOR

* EXCEPT CENTER PANEL SEE GENERAL NOTES

ROD HOLDER

COUPLING BAND

RIVETED OR

BOLTED

REQUIRED

		REINF	ORCE	CON	CRET	E PIP	E ARC	СН			
EQUIV.	DIMENSIONS (Inches)										
DIA. (Inches)	** SPAN	** RISE	T	A	В	С	D	E	SLOPE		
24	29	18	3	81/2	39	33	72	48	3 to 1		
30	36	22	31/2	91/2	50	46	96	60	3 to 1		
36	44	27	4	111/8	60	36	96	72	3 to 1		
42	51	31	41/2	1513/16	60	36	96	78	3 to 1		
48	58	36	5	21	60	36	96	84	3 to 1		
54	65	40	51/2	251/2	60	36	96	90	3 to 1		
60	73	45	6	31	60	36	96	96	3 to 1		
72	88	54	7	31	60	39	99	120	2 to 1		
84	102	62	8	281/2	83	19	102	144	2 to 1		

	REII	NFORC	ED C	ONCR	ETE E	LLIPT	ICAL	PIPE			
EQUIV.	DIMENSIONS (Inches)										
DIA. (Inches)	** SPAN	** RISE	T	A	В	С	D	Ε	APPROX. SLOPE		
24	30	19	31/4	81/2	39	33	72	48	3 to 1		
30	38	24	3¾	91/2	54	18	72	60	3 to 1		
36	45	29	41/2	111/8	60	24	84	72	21/2+o 1		
42	53	34	5	15¾	60	36	96	78	21/2+o 1		
48	60	38	51/2	21	60	36	96	84	2½+o 1		
54	68	43	6	251/2	60	36	96	90	2½+o 1		
60	76	48	61/2	30	60	36	96	96	21/2 to 1		

**NOMINAL SIZE

GENERAL NOTES

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

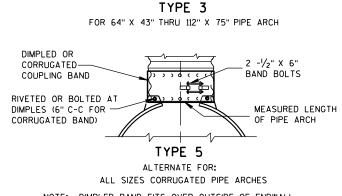
CONCRETE APRON ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA, GALVANIZED STEEL OR ALUMINUM APRON ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE

ALL THREE PIECE STEEL APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE ARCH

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 77" X 52" THROUGH 112" X 75" APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

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

① FOR PIPE ARCH SIZES UP TO 73" X 55" A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.



TYPE 2

FOR 17" X 13" THRU 112" X 75" PIPE ARCH

NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL.

phonelly.	TUBING SLIPPED (AND RIVETS PRIO CATION OF THE E
L ₂ ① 3%" R.	3%" DIA. X 1/2" OR ALUM. BUT SPACED AT 6 LENGTH OF RI 3%" R. OUTSIDE SIDEWALL
EDGE OF SIDEWALL SHEET ROLLED SNUGLY AGAINST STEEL ROD	MINIMUM %6" STEEL ROD O GALV. REINFOF

APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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

REINFORCED EDGE (SEE SECTION A-A)
PLAN VIEW END CORNER PLATES MAY BE FASTENED TO APRON PROPER BY BOLTS, RIVETS, OR RESISTANCE SPOT WELDS WHICH WILL HOLD THE SURFACES TIGHTLY TOGETHER PLATE W + 10" (RISE 23" THRU 29") W + 20" (RISE 33" THRU 75") END VIEW END CORNER PLATES MAY BE FASTENED TO APRON PROPER BY BOLTS, RIVETS, OR RESISTANCE SPOT WELDS WHICH WILL HOLD THE SURFACES TIGHTLY TOGETHER TOE PLATE (SAME THICKNESS AND METAL AS APRON) SHALL BE FURNISHED WHEN CALLED FOR ON THE PLANS
SHOULDER SLOPE SLOPE FLOW LINE

SIDE ELEVATION

METAL ENDWALLS

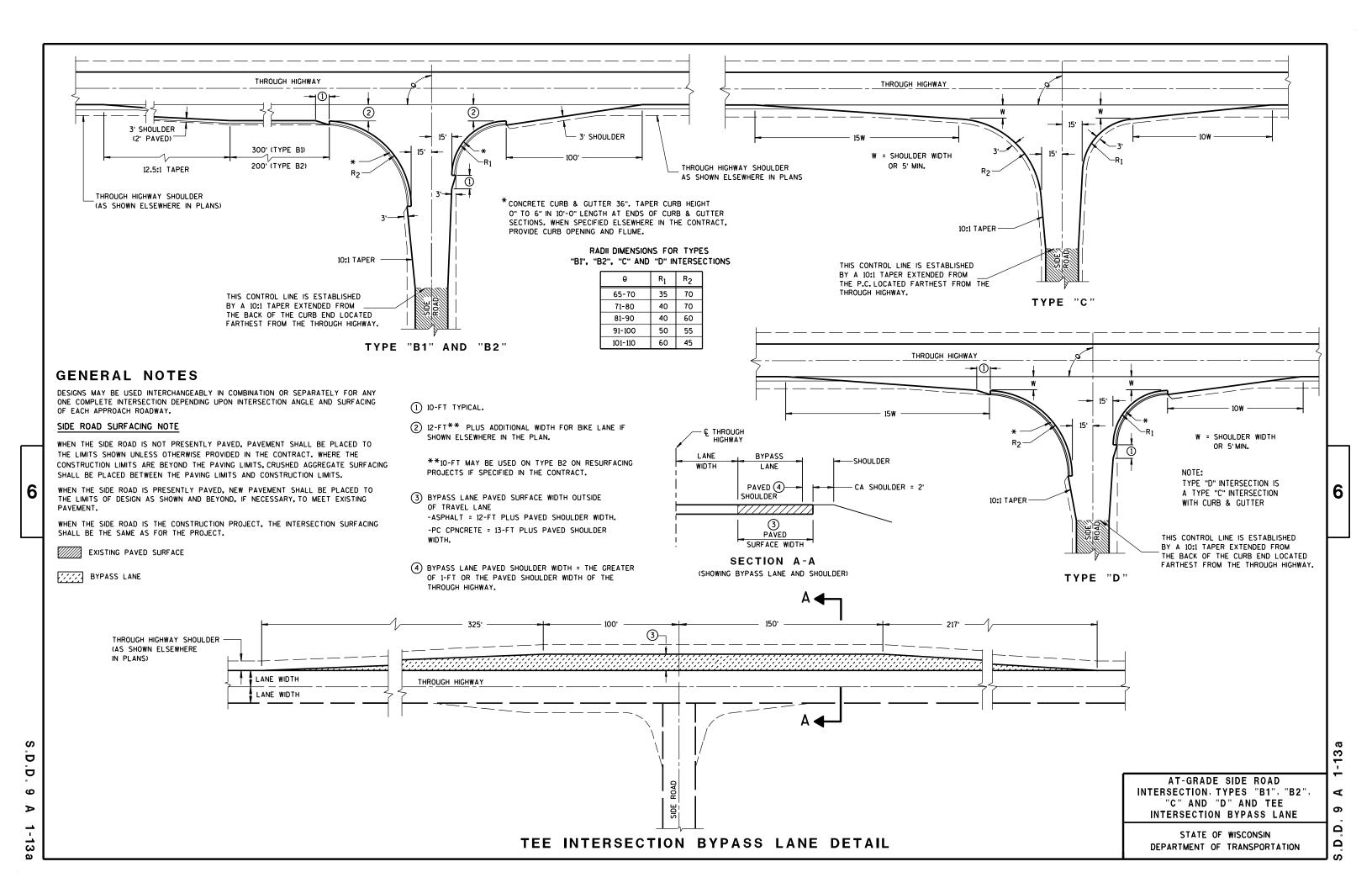
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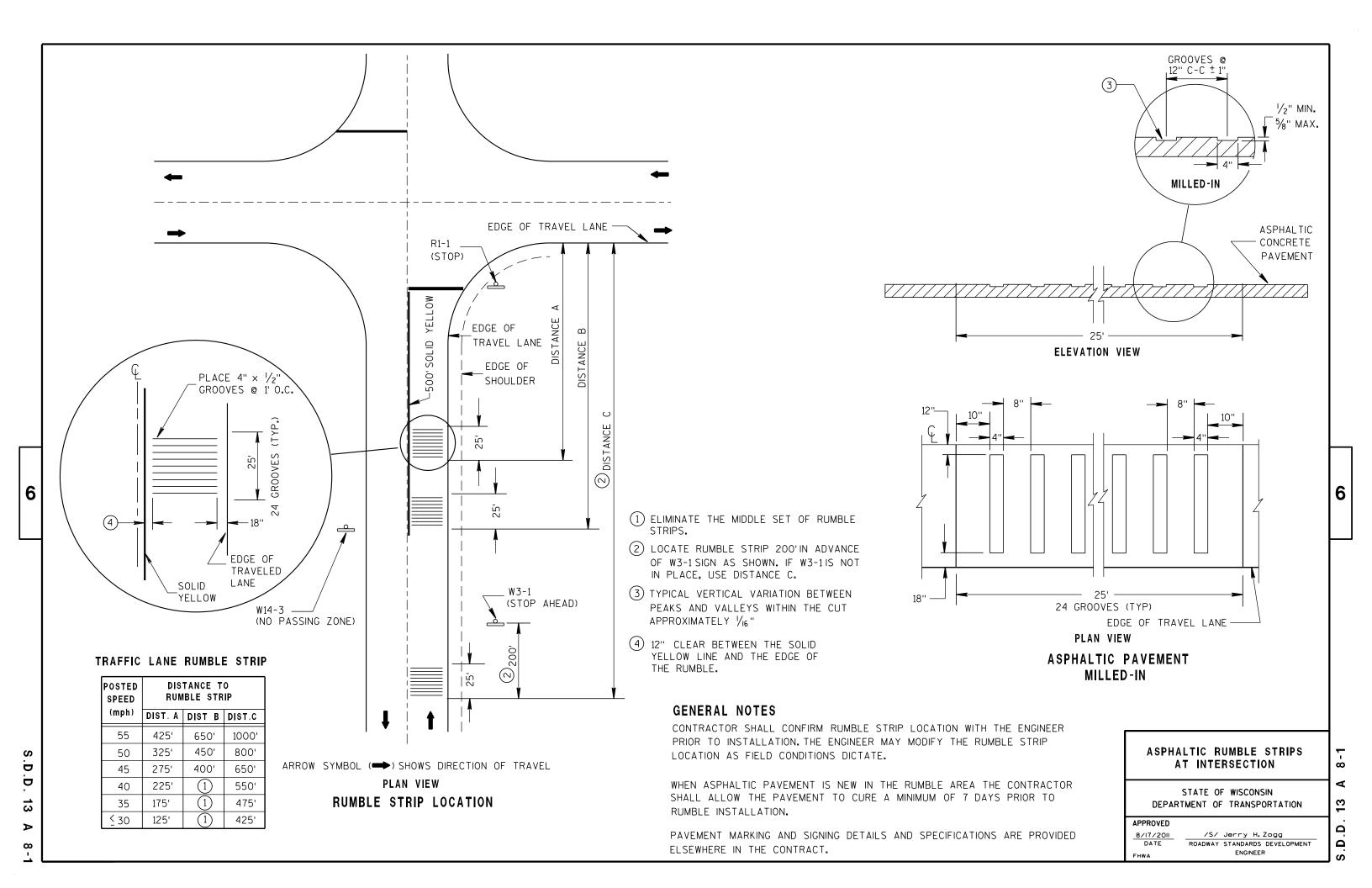
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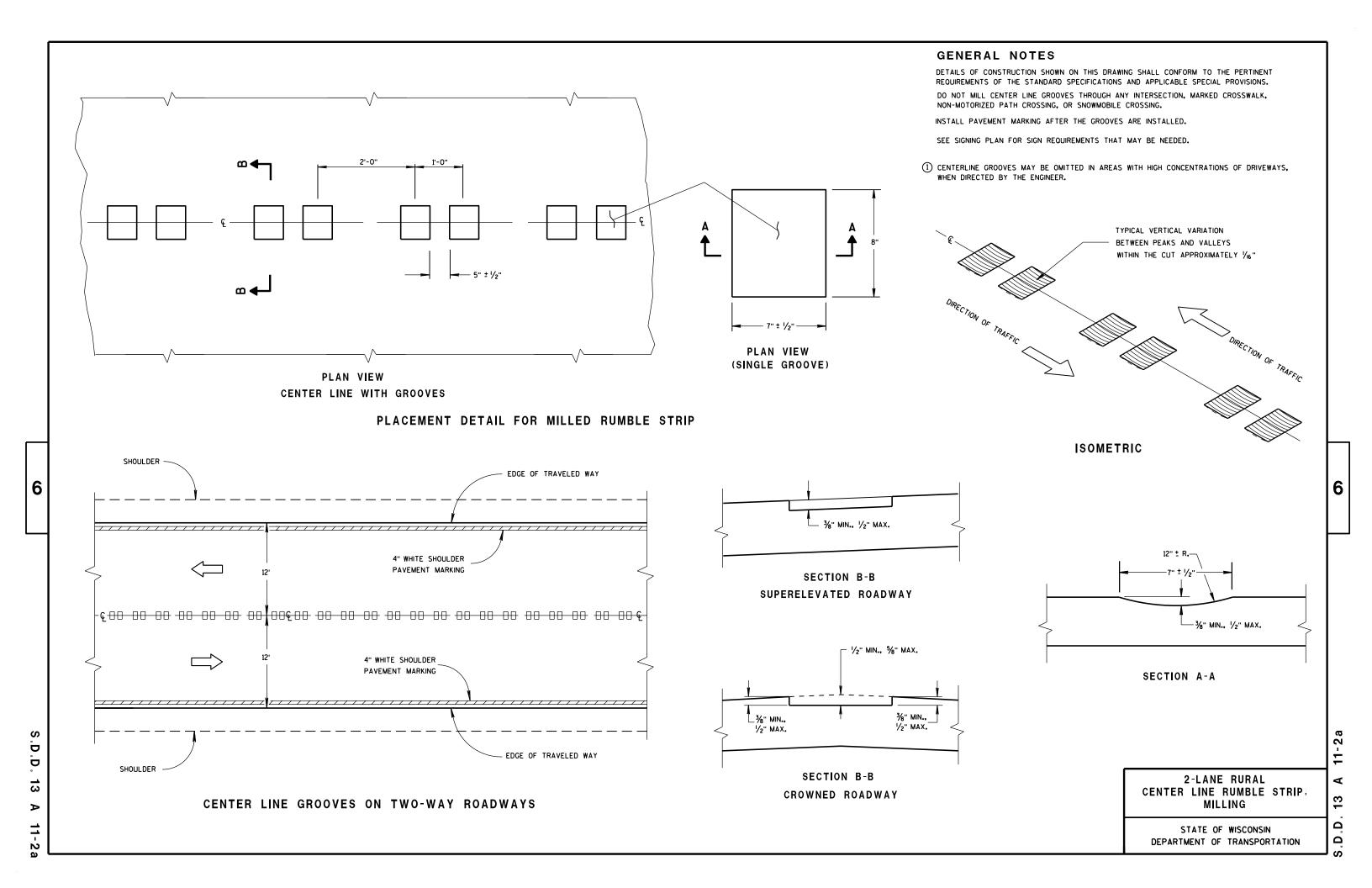
0.109" THICK GALV. STEEL OR 0.109" THICK ALUMINUM 3/8" DIA. RIVETS SPACED APRON SIDEWALL AT 6" C-C SHEET 1" O.D. X O.079" THICK GALV. STEEL OR 0.075" THICK ALUM. OVER SHEET OR TO FABRI-END SECTION "- GALV. STEEL TTONHEAD RIVETS 6" C-C. OVER-RIVET = 0.78" OF APRON L SHEET DIA. GALV. OR 10M ORCING BAR

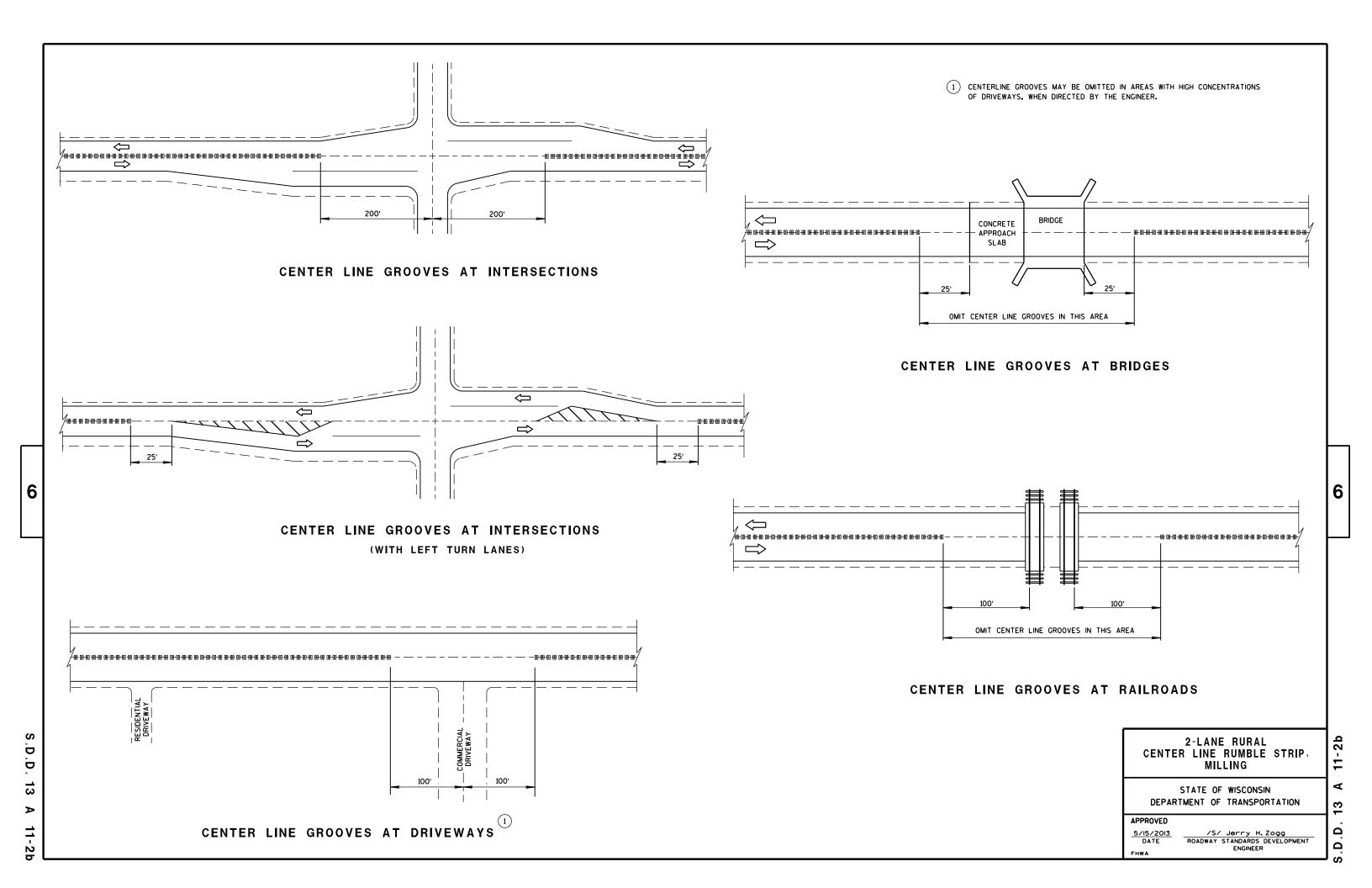
└─ ¹/8" (APPROX.)

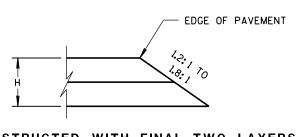
CONNECTION DETAILS

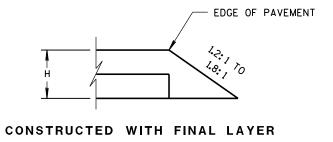








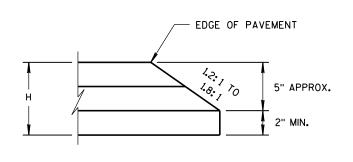


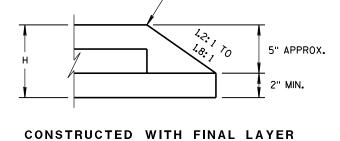


FOR H 5" OR LESS

CONSTRUCTED WITH FINAL TWO LAYERS

FOR H 5" OR LESS





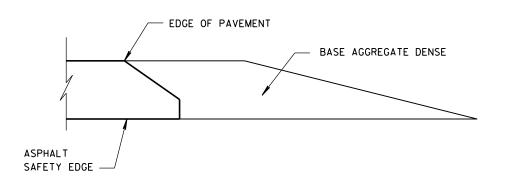
FOR H GREATER THAN 5"

EDGE OF PAVEMENT

CONSTRUCTED WITH FINAL TWO LAYERS

FOR H GREATER THAN 5"

HMA PAVEMENT AND HMA OVERLAYS



FINISHED SHOULDER AGGREGATE PLACEMENT

SAFETY EDGE SM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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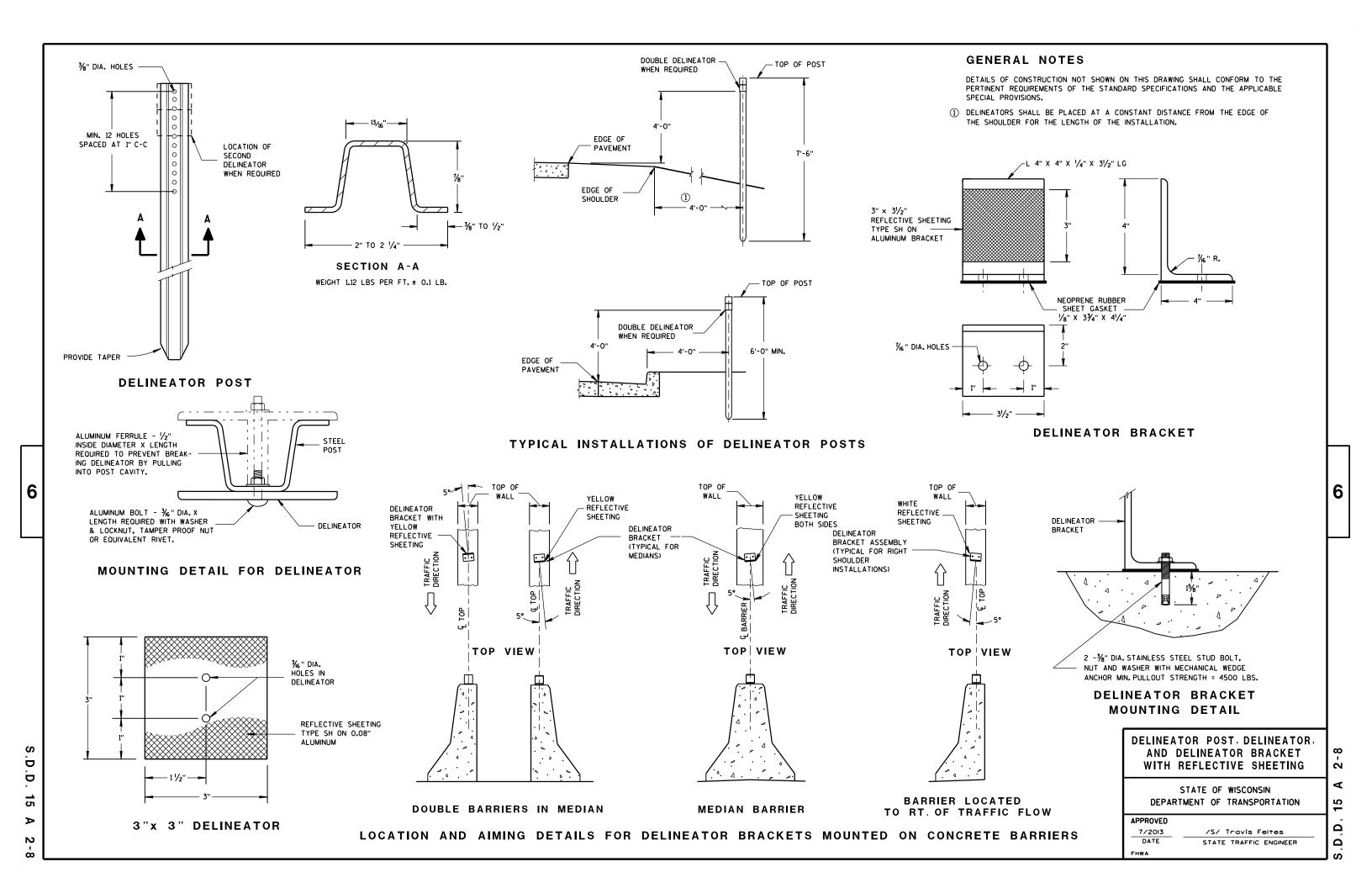
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APPROVED

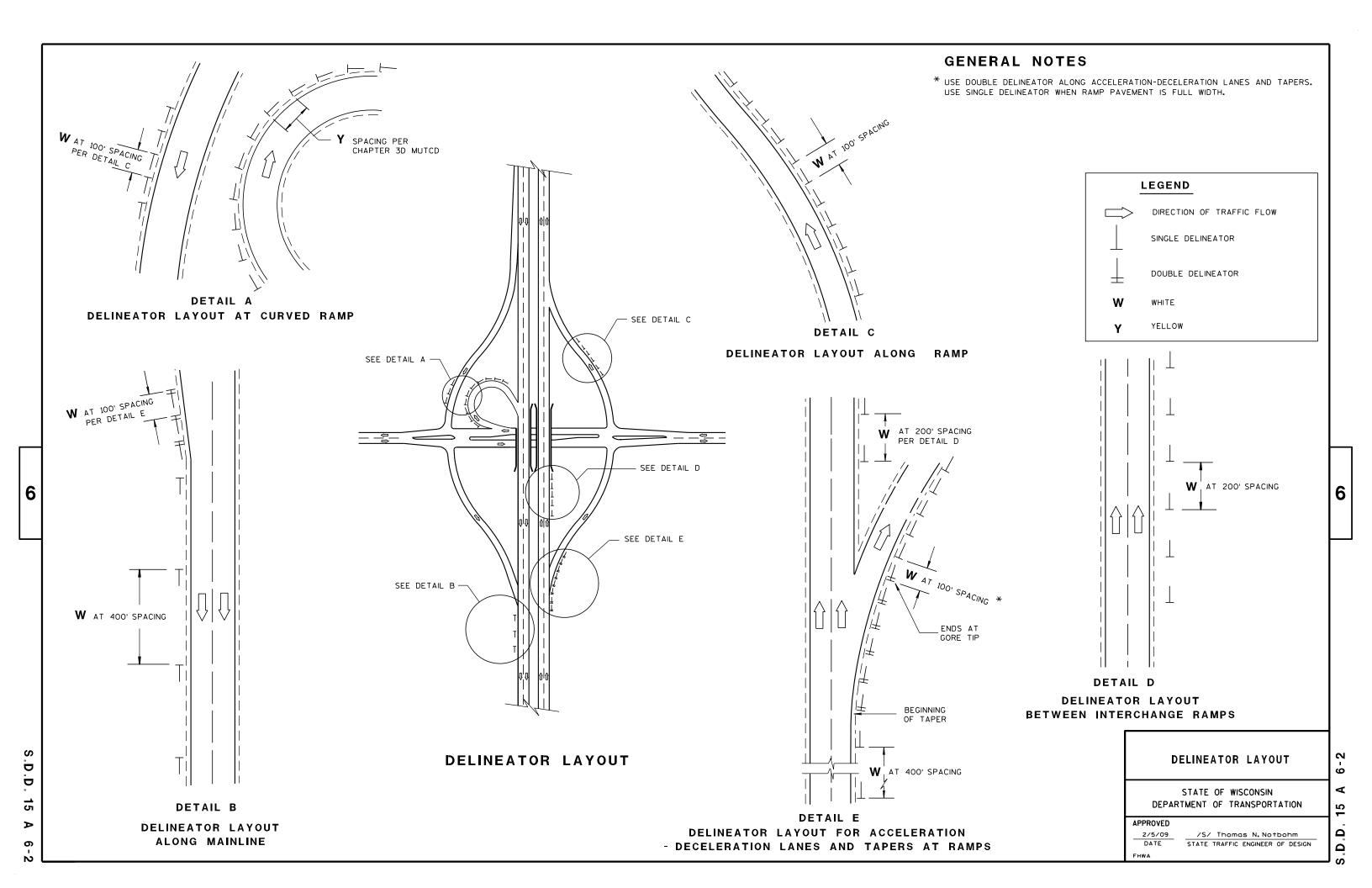
DATE ROADWAY STANDARDS DEVELOPMENT ENGINEER

6











ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



DETAIL E LANE CLOSURE BARRICADE DETAIL APPROACH VIEW

SEE SDD 15C2-SHEET "a" FOR LEGEND

GENERAL NOTES

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

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

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

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

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

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

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

THE R11-2, R11-3, M4-9, R11-4 AND R10-61 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

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

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

R11-2 SHALL BE 48" X 30". R11-3, R11-4 AND R10-61 SHALL BE 60" X 30". M4-9 SHALL BE 30" X 24". M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.) M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.) M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.) MO5-1 AND MO6-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.) D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS. R1-1 SHALL BE 36" X 36".

- (1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8-FOOT
- THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.
- FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D.
- FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL E.
- FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11-2 AND R11-3 SIGNS.
- INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS. PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.
- "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

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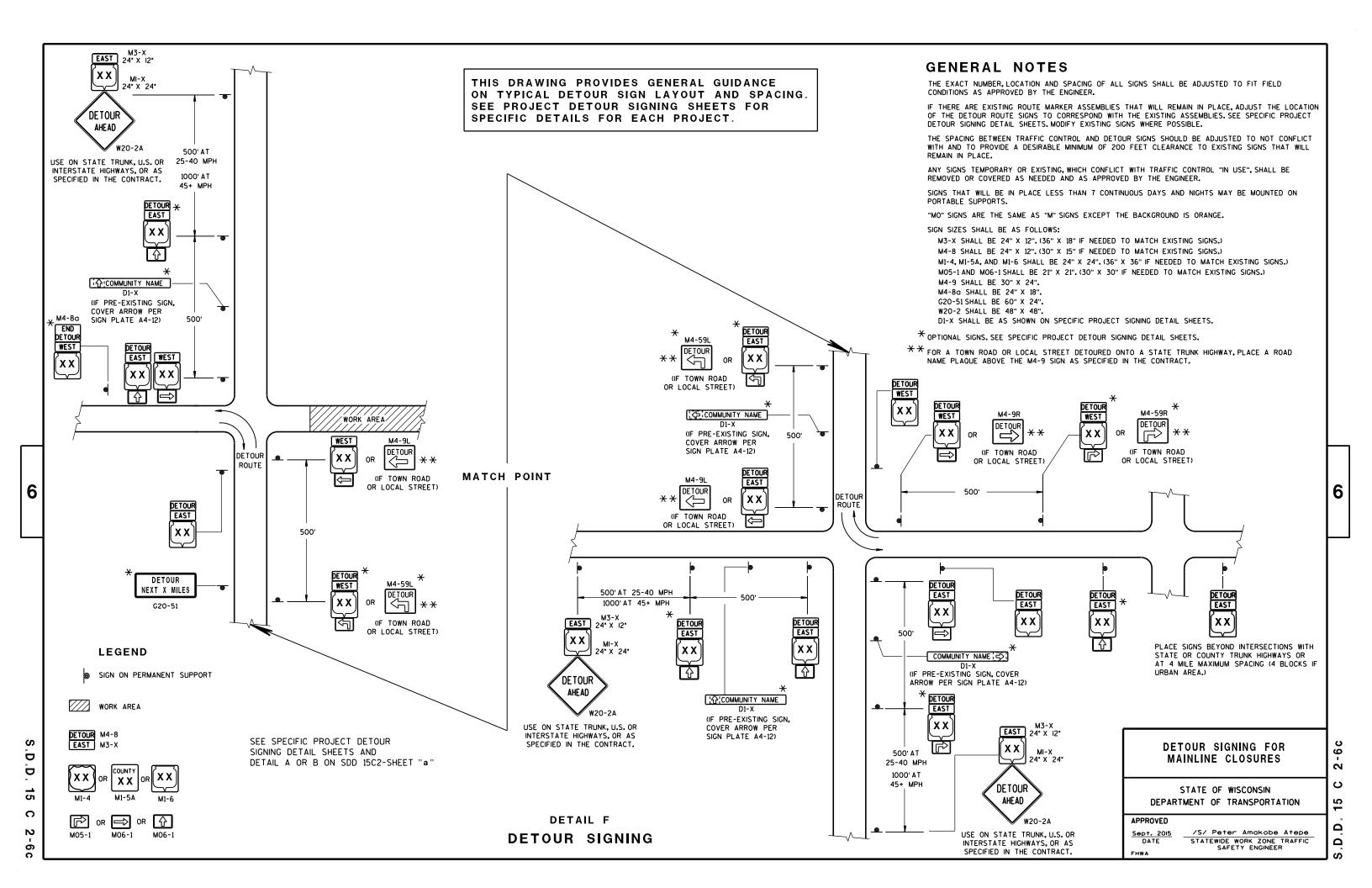
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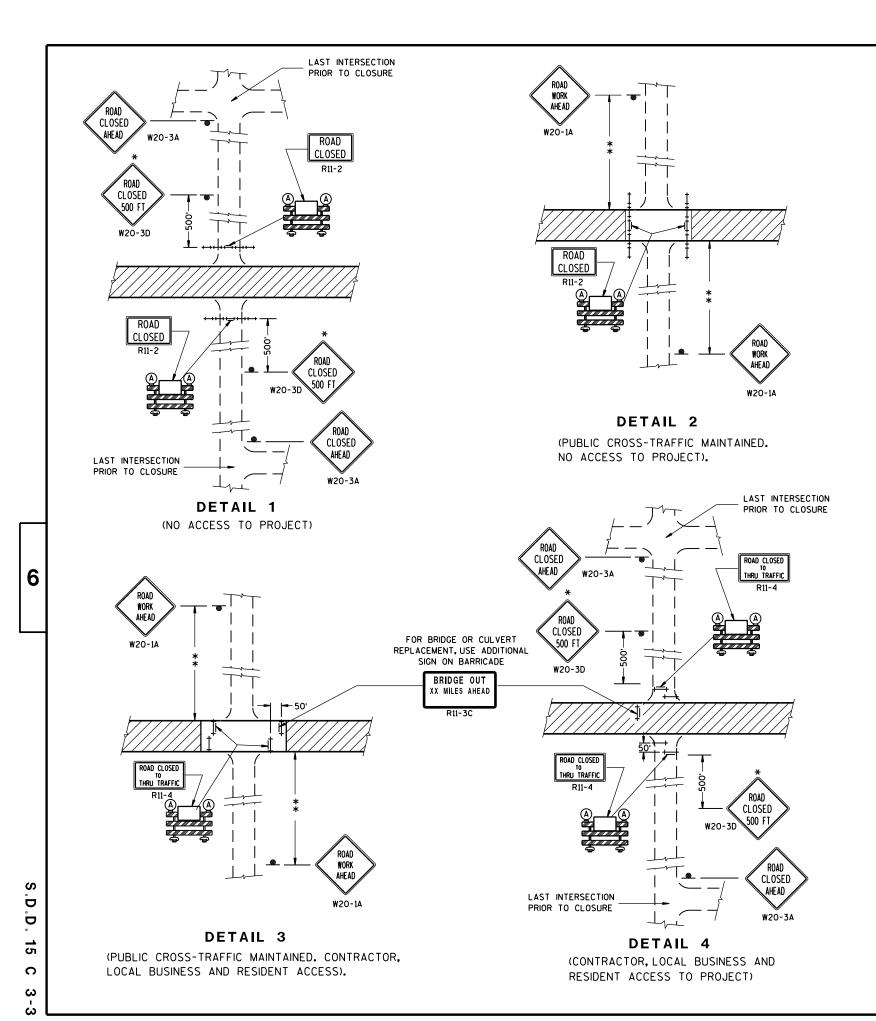
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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

/S/ Peter Amakobe Atepe

STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER





GENERAL NOTES

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

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

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

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

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

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

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

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

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

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

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

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

LEGEND

SIGN ON PERMANENT SUPPORT

TYPE III BARRICADE

TYPE III BARRICADE WITH
ATTACHED SIGN

(A) TYPE "A" WARNING LIGHT (FLASHING)

WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

Sept. 2015

DATE
STATEWIDE WORK ZONE TRAFFIC
SAFETY ENGINEER

S.D.D. 15 C 3

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GENERAL NOTES

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

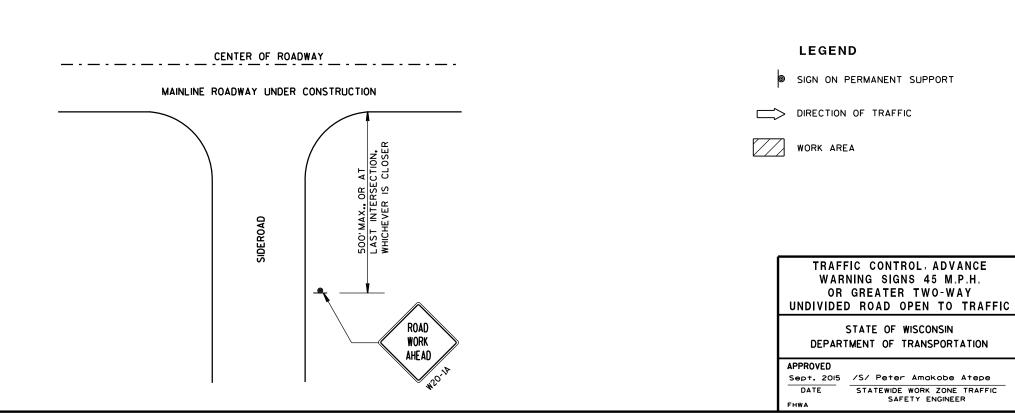
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

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

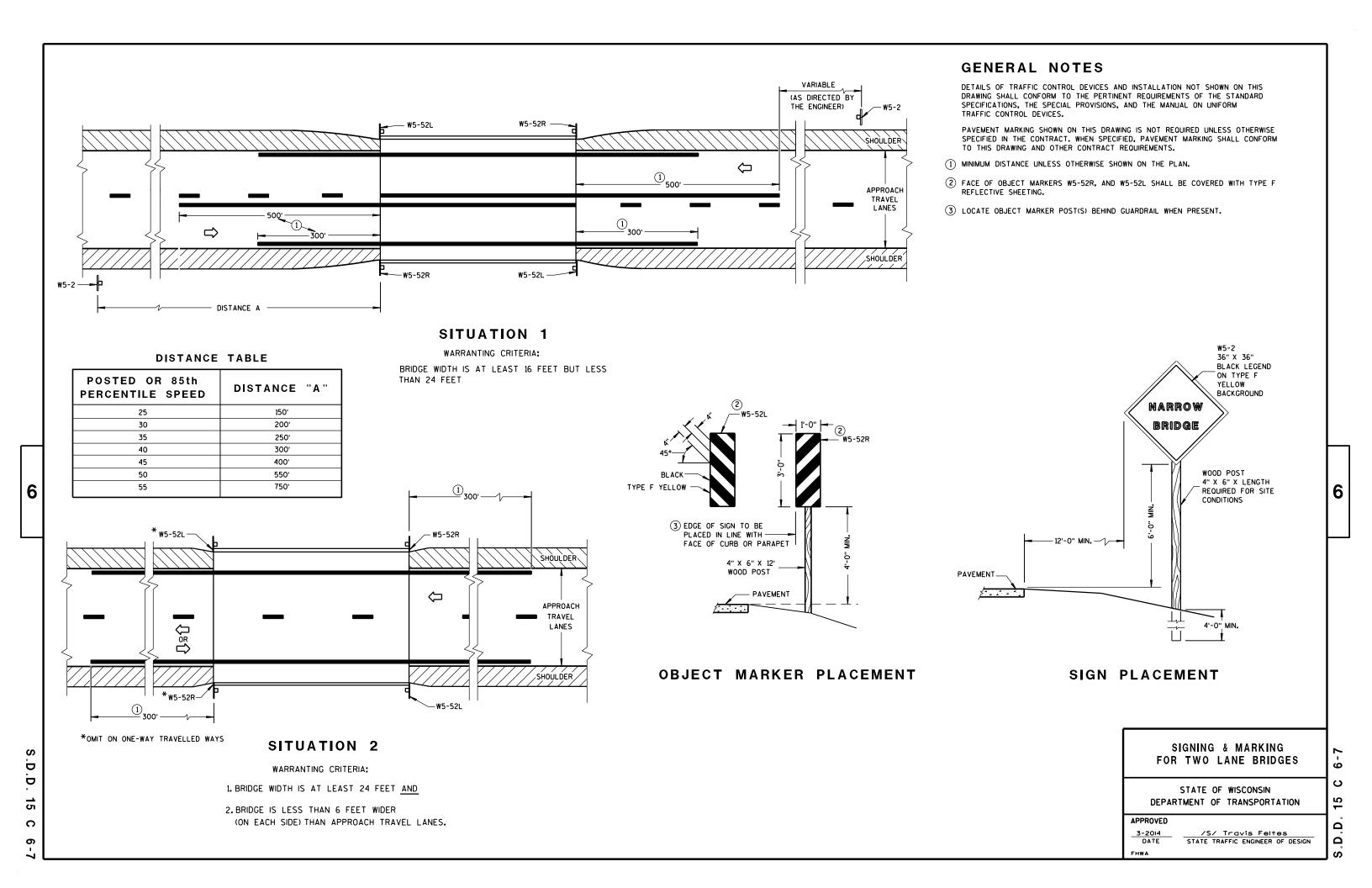
- * OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.
- * PLACE ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



4

SAFETY ENGINEER

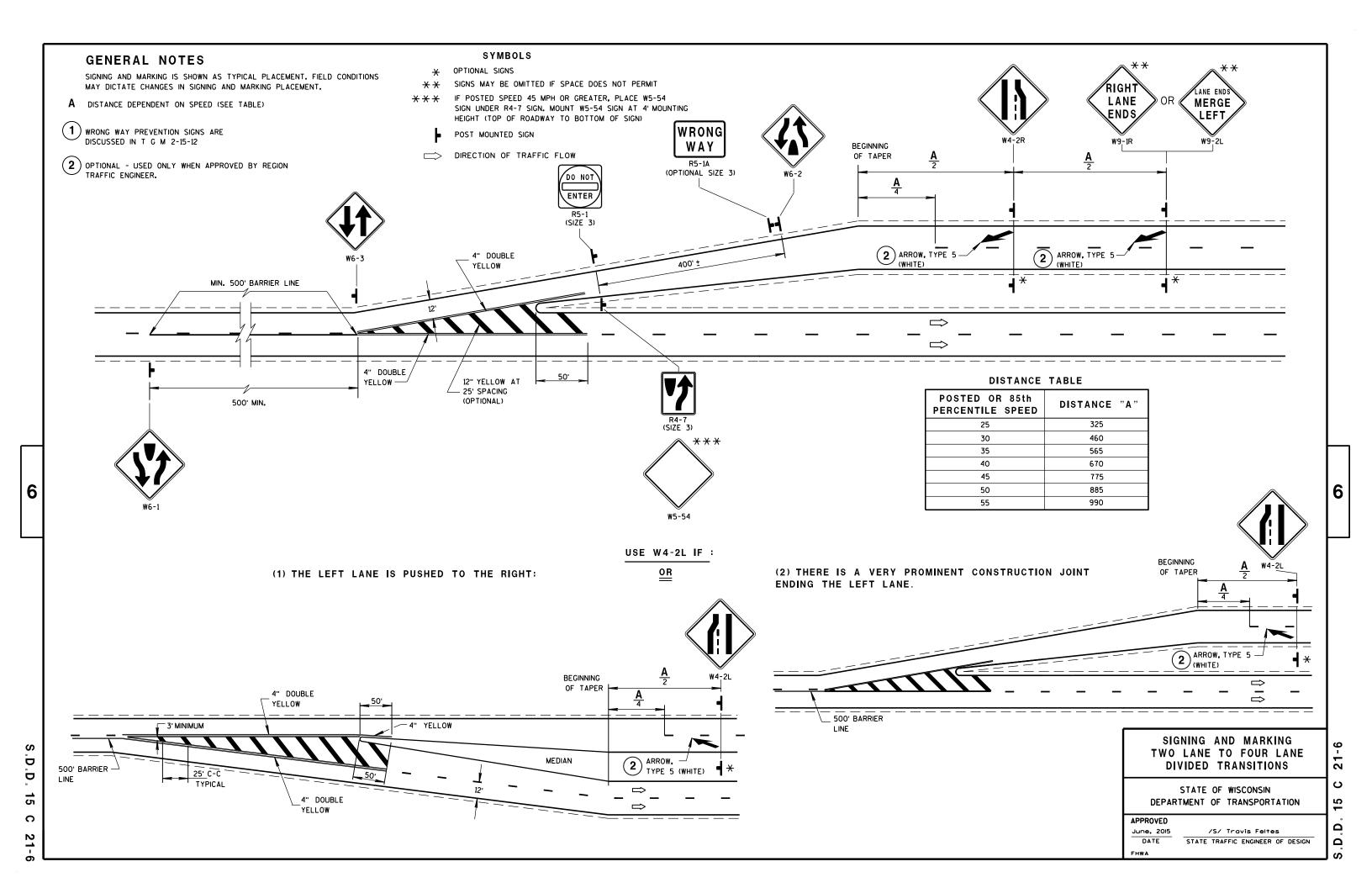
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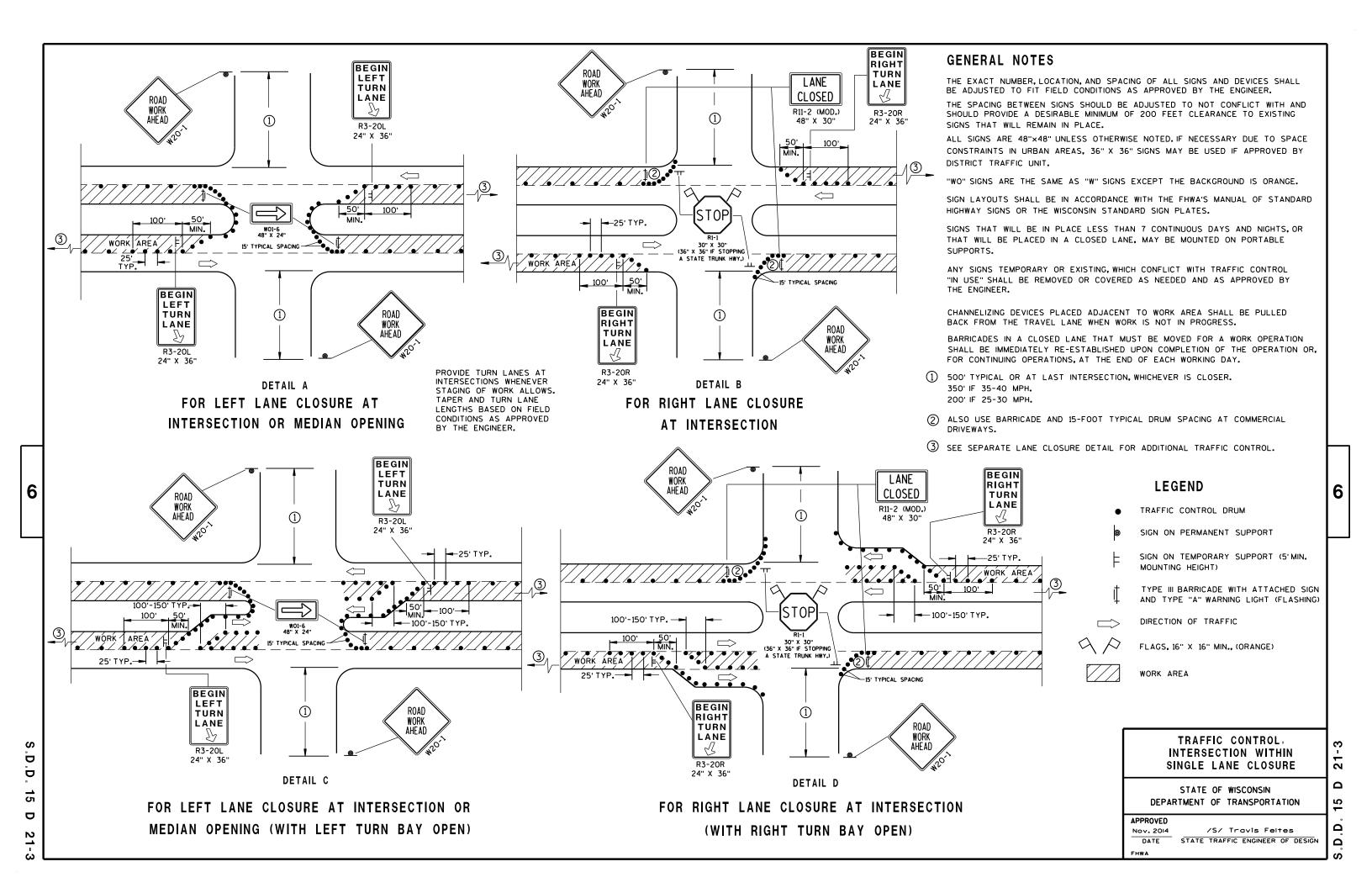














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D

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NUTS, BOLTS AND LAGS USED FOR MOUNTING SIGNS SHALL HAVE HEXAGONAL HEADS AND SHALL BE EITHER:

- A. HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: A 153, CLASS D, OR SC 3
- B. ELECTRO-GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: B 633, TYPE III, SC 3

THREADS ON BOLTS AND NUTS SHALL BE MANUFACTURED WITH SUFFICIENT ALLOWANCE FOR THE CADMIUM PLATE OR GALVANIZED COATING TO PERMIT THE NUTS TO RUN FREELY ON THE BOLTS.

WOOD POSTS (4" x 4" or 4" x 6")

LAG SCREWS - 3/8" X 3"

MACHINE BOLTS - 1/2" OR 7" LENGTH W/ NUTS

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" LENGTH W/ NUTS

RIVETS - 32 " (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL

1-1/4" O.D. X 3/8" I.D. X .080 NYLON FOR ALL TYPE H SIGNS

* TWO DIFFERENT FASTENING SYSTEMS ARE SHOWN FOR ILLUSTRATION PURPOSES. ON ANY INDIVIDUAL SIGN, EITHER ONE OR THE OTHER SYSTEM SHALL BE USED. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

> ATTACHMENT OF SIGNS TO POSTS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED Feb. 2015

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

6

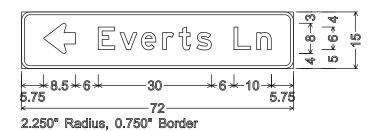
38-1b

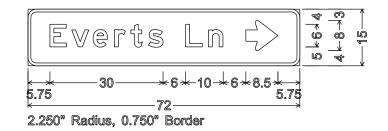
Ω

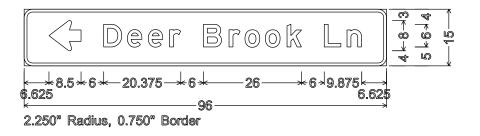
- 1. All Signs are Type II Type H Reflective
- 2. Color:

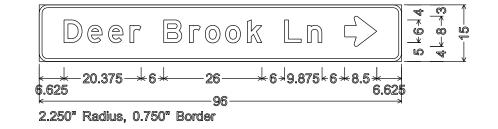
Background - Green Message - White

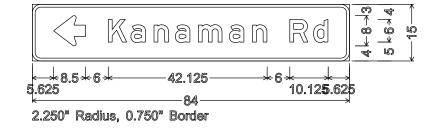
3. Message Series - E

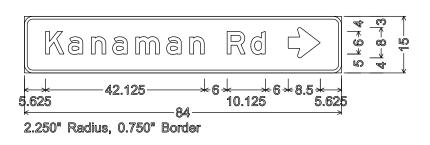












PROJECT NO: 6430-07-60

FILE NAME : C:\CAEFiles\Projects\tr_d3\3442A514.DGN

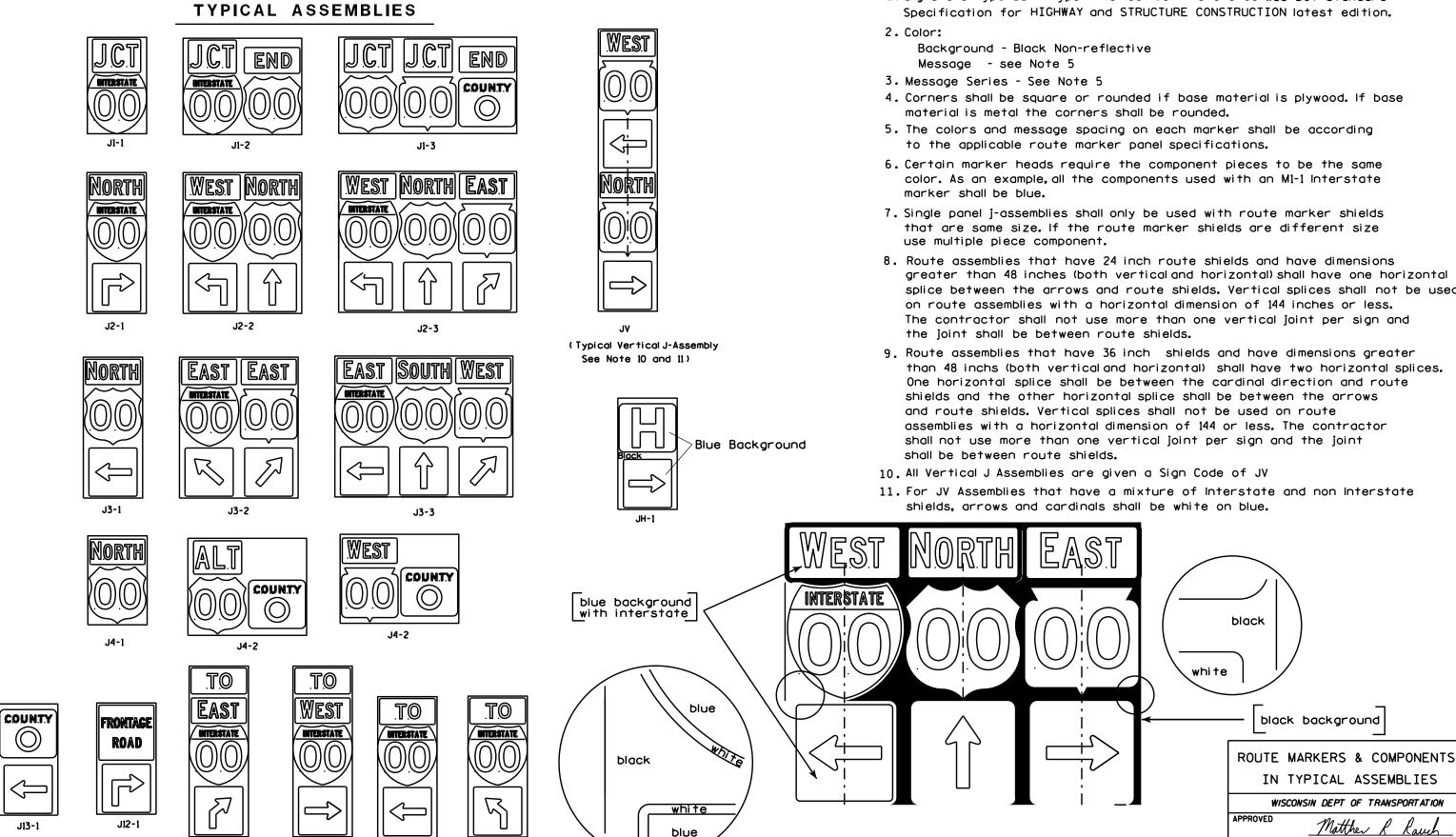
PLOT BY: mscsja

Ε SHEET NO:

PLOT DATE: 26-JUN-2014 07:58

1. Signs are Type II - Type H Reflective - reference WIS DOT Standard

areater 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.



PROJECT NO:

J32-1

J22-1

J23-1

J33-1

PLOT BY: mscsja

PLATE NO. __A2-15.8

DATE 2/06/14

SHEET NO:

URBAN ARFA



RURAL AREA (See Note 2)



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



5'-3"(生) D^{-1} Outside Edae of Gravel

White Edgeline Location

** 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.

HWY:

* 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.

PLOT BY : mscj9h

GENERAL NOTES

- 1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
- 2. If signs are mounted on barrier wall, see A4-10 sign plate.
- 3. For expressways and freeways, mounting height is $7'-3''(\pm)$ or 6'-3" (±) depending upon existence of a sub-sign.
- 4. Minimum mounting height for J assemblies (A2-1S) is $7'-3''(\pm)$ or $6'-3''(\pm)$ per urban or rural detail respectively.
- 5. Minimum mounting height for signs mounted on traffic signal poles is 5' - 3'' (\pm).
- 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 signs shall be mounted at a height of 5'-3'' (\pm) or as directd by the Engineer.
- 9. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (\pm) . The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) 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

SHEET NO:

APPROVED

for State Traffic Engineer

DATE 7/23/15

PLATE NO. <u>A4-3.20</u>

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A43.DGN

PROJECT NO:

PLOT DATE: 23-JUL-2015 15:21

COUNTY:

PLOT NAME :

PLOT SCALE: 99.237937:1.000000

WISDOT/CADDS SHEET 42



NOTES: 1. ALL MATERIAL TO BE APPROVED

BY ENGINEER PRIOR TO INSTALLATION

- 2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
- 3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

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



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

HWY:



PLAN VIEW

COUNTY:

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer

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

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN

PROJECT NO:

PLOT DATE: 27-JAN-2014 09:48

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 13.659812:1.000000

APPROVED

WISDOT/CADDS SHEET 42

GENERAL NOTES

- 1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
- 2. See tables below for required number of posts.
- 3. For expressways and freeways, mounting height is 7'-3'' (±) or 6'-3'' (±) depending upon existence of sub-sign.
- 4. The (±) tolerance for mounting height is 3 inches.
- 5. Minimum mounting height for J assemblies (A2-1S) 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 signs 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), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).
- * 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.
- ** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.
- *** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

URBAN AREA RURAL AREA (See Note 3) 2'Min - 4'Max (See Note 6) ₩E# FF# 6'-3"(±) 6'-3"(±) 7'-3"(±) ** Curb ********\ Flowline D **7000** White Edgeline D 11 White Edgeline, Location Outside Edae Location

2' Min - 4' Max (See Note 6) 6 ' - 3 "(±) Curb Flowline. -11

48" DIAMOND WARNING SIGN

HWY:

_ 26" 5 ' - 3 "(±) White Edgeline Location Outside Edge of Gravel 48" DIAMOND WARNING SIGN

COUNTY:

Outside Edge

of Gravel

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

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

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

POST EMBEDMENT DEPTH

of Gravel

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

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

Matther

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A44.DGN

PROJECT NO:

PLOT DATE: 23-JUL-2015 15:23

PLOT SCALE: 107.021305:1.000000

WISDOT/CADDS SHEET 42

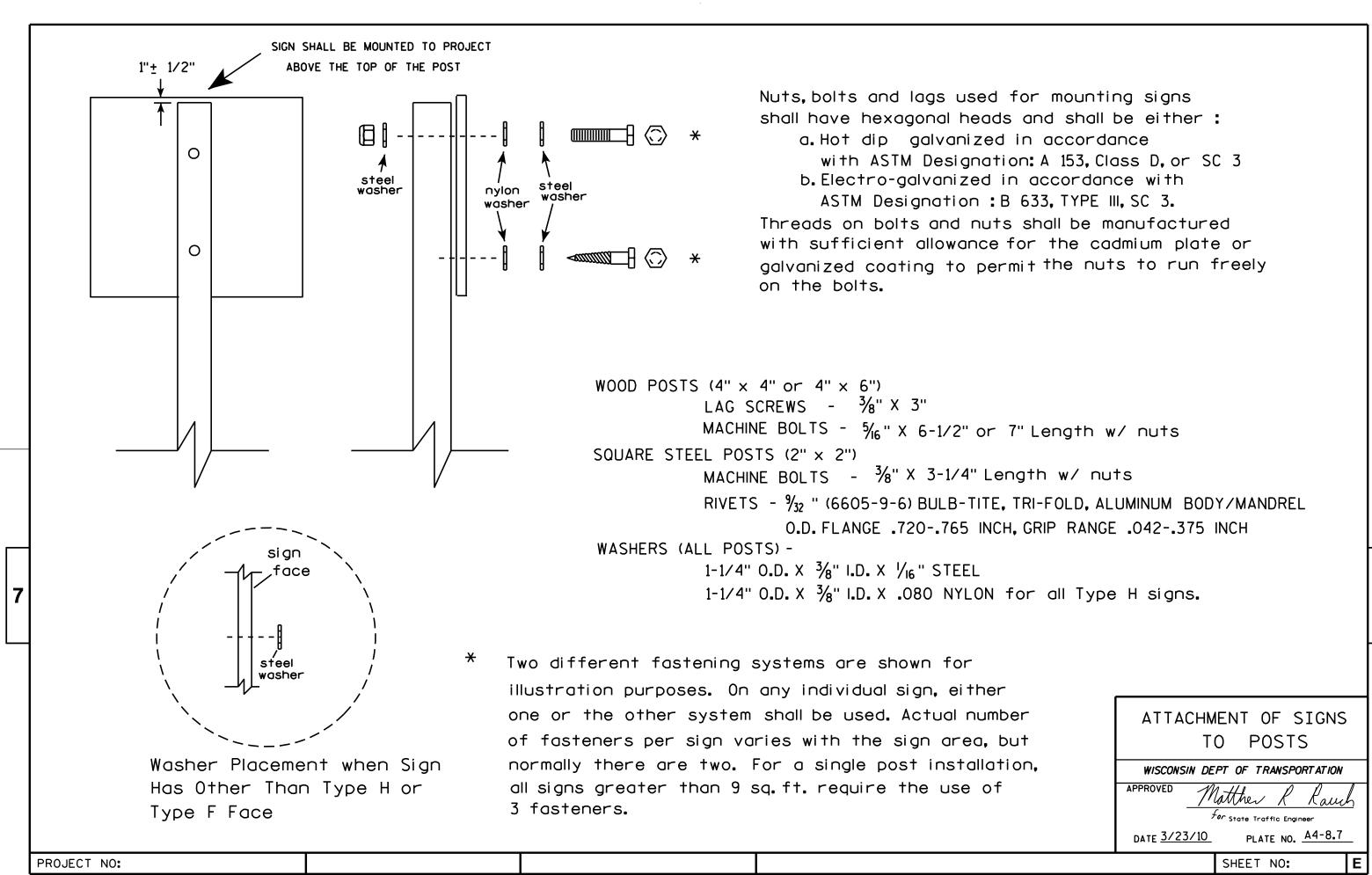
PLOT NAME :

PLOT BY: mscj9h

WISCONSIN DEPT OF TRANSPORTATION APPROVED

For State Traffic Engineer

PLATE NO. 44-4.14 DATE 7/23/15





PROJECT NO: HWY: COUNTY: SHEET NO: FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE: 05-FEB-2015 17:09 PLOT BY: mscsja PLOT NAME : PLOT SCALE: 13.659812:1.000000

DATE 2/05/15

PLATE NO. <u>A4-9.9</u>

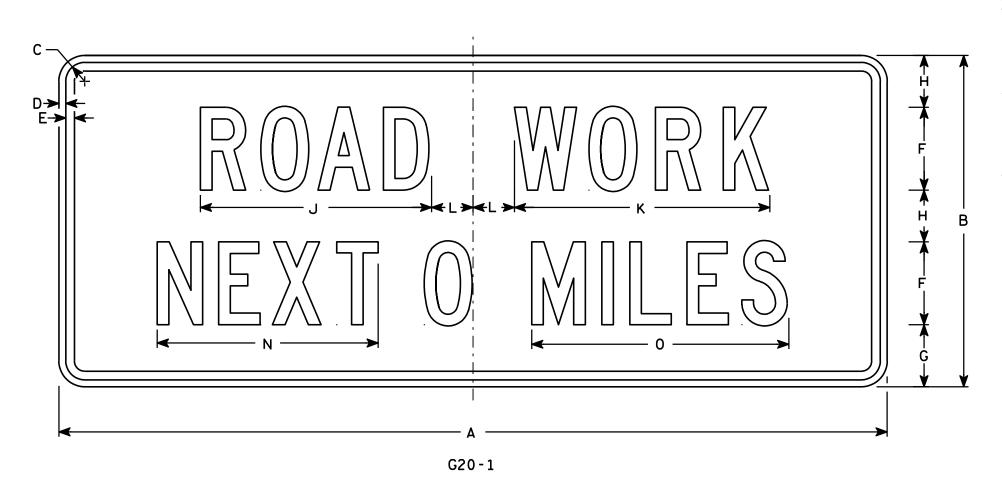
For State Traffic Engineer



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

Background - Orange Message - Black

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



Metric equivalent for this sign is:

PROJECT NO:

SIZE 2 1500 mm x 600 mm 3 4 1500 mm x 600 mm 5

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Φ	0	R	S	Т	U	٧	₩	X	Y	Z	Area sq. ft.	Area m2
1																												
2	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4		16 ¾	18 1/2	3		16	18 5/8												10	.90
3																												
4	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4		16 ¾	18 1/2	3		16	18 5/8												10	.90
5																												

COUNTY:

STANDARD SIGN G20-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Chests J Spane for State Traffic Enginee PLATE NO. G20-1.7 DATE 4/8/97

SHEET NO:

FILE NAME : C:\Users\Projects\tr_stdplate\G201.DGN

HWY:

PLOT DATE: 12-0CT-2005 17:02

PLOT BY : DITJPH

PLOT NAME :

PLOT SCALE: 6.954307:1.000000

WISDOT/CADDS SHEET 42

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

2. Color:

Background - Orange Message - Black

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



Metric equivalent for this sign is:

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	Q	R	S	T	U	٧	W	Х	Y	Z	Area sq. ft.	Area m2
1	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 %	6 3/4	16 ¾	2 1/2	1 3/4	18 ½													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 %	6 3/4	16 ¾	2 1/2	1 3/4	18 ½													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 %	6 3/4	16 ¾	2 1/2	1 3/4	18 ½													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 1/8	6 3/4	16 ¾	2 1/2	1 3/4	18 ½													8.0	0.72

COUNTY:

STANDARD SIGN G20-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

AP

for State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\G202A.DGN

HWY:

PROJECT NO:

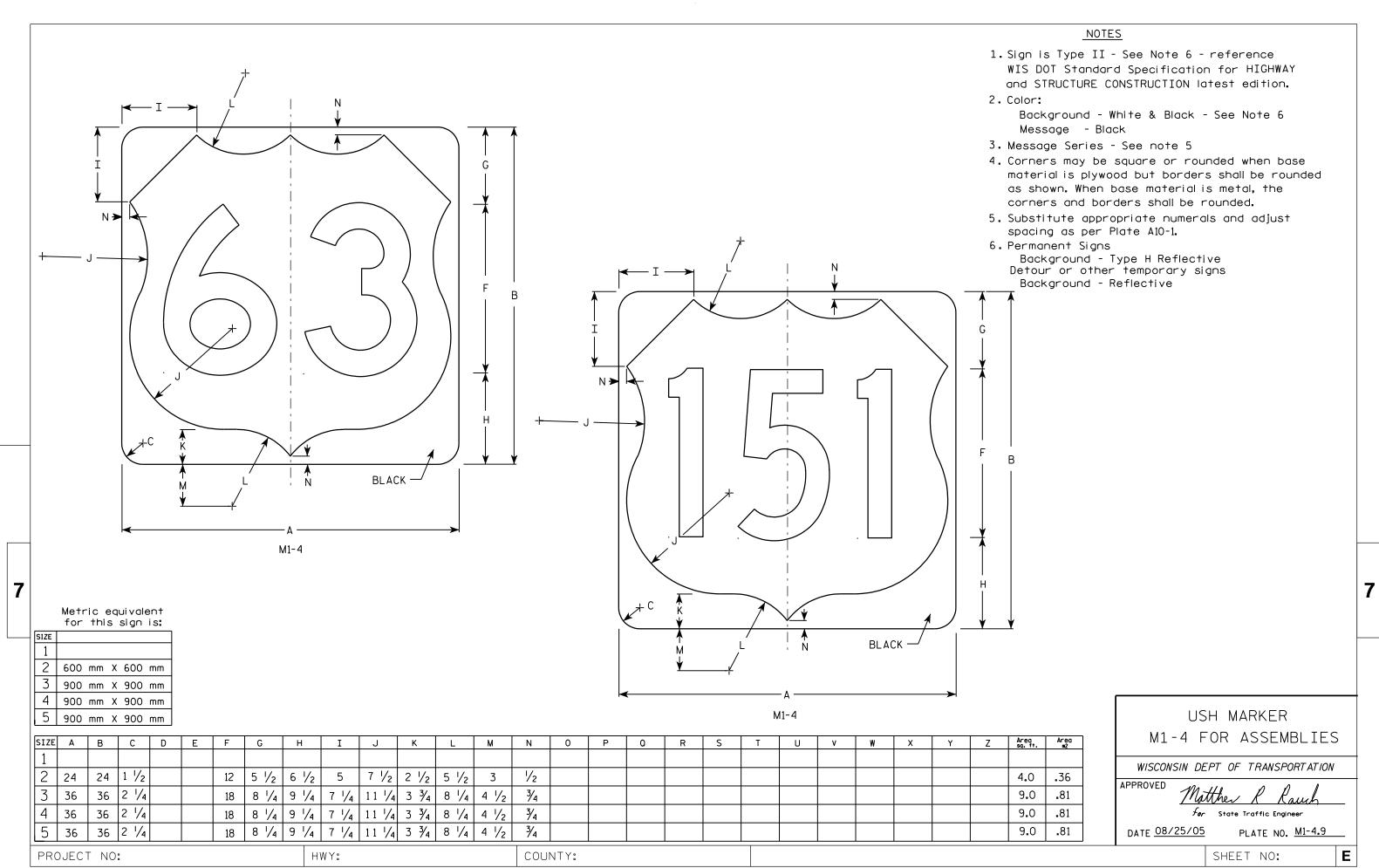
PLOT DATE: 30-SEP-2009 09:31

PLOT BY : ditjph

PLOT NAME :

PLOT SCALE : 5.561773:1.000000

5.561773:1.000000 WISDOT/CADDS SHEET 42



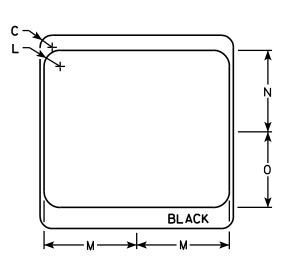
FILE NAME : C:\Users\Projects\tr_stdplate\M14.DGN

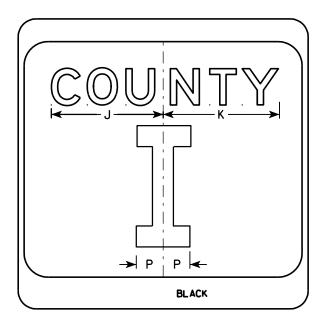
- 1. Sign is Type II see Note 7 reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

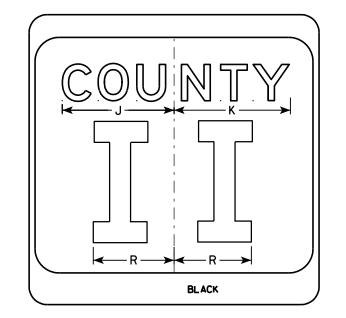
Background - White & Black - See Note 7 Message - Black

- 3. Message Series see Note 5
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Message Series E for 1 letter. Message Series D for 2 letters unless message is too big then Series C. Message Series C for 3 letters unless message is too big then Series B.
- 6. Substitute appropriate letters & optically center to achieve proper balance.
- 7. Permanent Signs

Background - Type H Reflective Detour or temporary Signs Background - Reflective







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

COUNTY:

CTH MARKER M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

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

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 NAME :

PLOT BY: mscsja

PLOT SCALE: 5.959043:1.000000

WISDOT/CADDS SHEET 42

- 1. Sign is Type II Type H
- 2. Color:

Background - See note 5 Message - See note 5

- 3. Message Series C
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. M2-1 Background White

Message - Black

MB2-1 Background - Blue

Message - White

MK2-1 Background - Green

Message - White

MM2-1 Background - White

Message - Green

MN2-1 Background - Brown

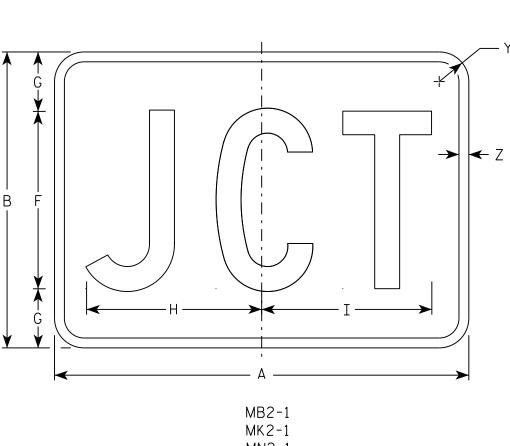
Message - White

MP2-1 Background - White

Message - Blue

MR2-1 Background - Brown

Message - Yellow



MN2-1

MR2-1

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	J	V	W	X	Υ	Z	Area sq. ft.
1																											
2	21	15	1 1/8	3/8	3/8	9	3	8 1/8	8 %																1 1/2	1/2	2.20
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
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
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

COUNTY:

В

STANDARD SIGN

M2 - 1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew & Rauch f_{or} State Traffic Engineer

DATE 10/15/15

PLATE NO. M2-1.12 Ε

SHEET NO:

FILE NAME · C·\CAFfiles\Projects\tr stdplote\M21 DGN

PROJECT NO:

M2-1

HWY:

MM2-1

MP2-1

PLOT DATE . 01-DEC-2015 17:54

PLOT BY . \$\$ Diotuser \$\$ PLOT NAME :

PLOT SCALE • 4 864603•1 000000







MP3-1









HWY:



NOTES

- 1. All Signs Type II Type H
- 2. Color:

Background - See note 5 Message - See note 5

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

5. M3-1 thru M3-4 Background - White Message - Black

MB3-1 thru MB3-4 Background - Blue

Message - White

MK3-1 thru MK3-4 Background - Green

Message - White

MM3-1 thru MM3-4 Background - White

Message - Green

MN3-1 thru MN3-4 Background - Brown

Message - White

MP3-1 thru MP3-4 Background - White

Message - Blue

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	К	L	М	N	0	Р	0	R	S	Т	U	V	W	Х	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 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

COUNTY:

STANDARD SIGNS M3-1 thur M3-4 **SERIES**

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 10/15/15 PLATE NO. M3-1.14

Ε

SHEET NO:

FILE NAME · C·\CAFfiles\Projects\tr stdolote\M31 DCN

PROJECT NO:

PLOT DATE . 01-DEC-2015 17:54

PLOT RY . \$\$ plotuser \$\$ PLOT NAME :

PLOT SCALE . 11 675051.1 000000

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

Background - Orange Message - Black

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

) A G	
	;
→ G →	
Y	

Α С E F G H I J S Х Z D 0 10 10 1/4 1 1/8 3/8 3/8 24 2.0 3 36 1 1/8 3/8 1/2 4 1/2 14 5/8 14 1/2 4.5 4 5

COUNTY:

STANDARD SIGN M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

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

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\M48.DGN

PROJECT NO:

HWY:

PLOT DATE: 10-NOV-2010 13:18

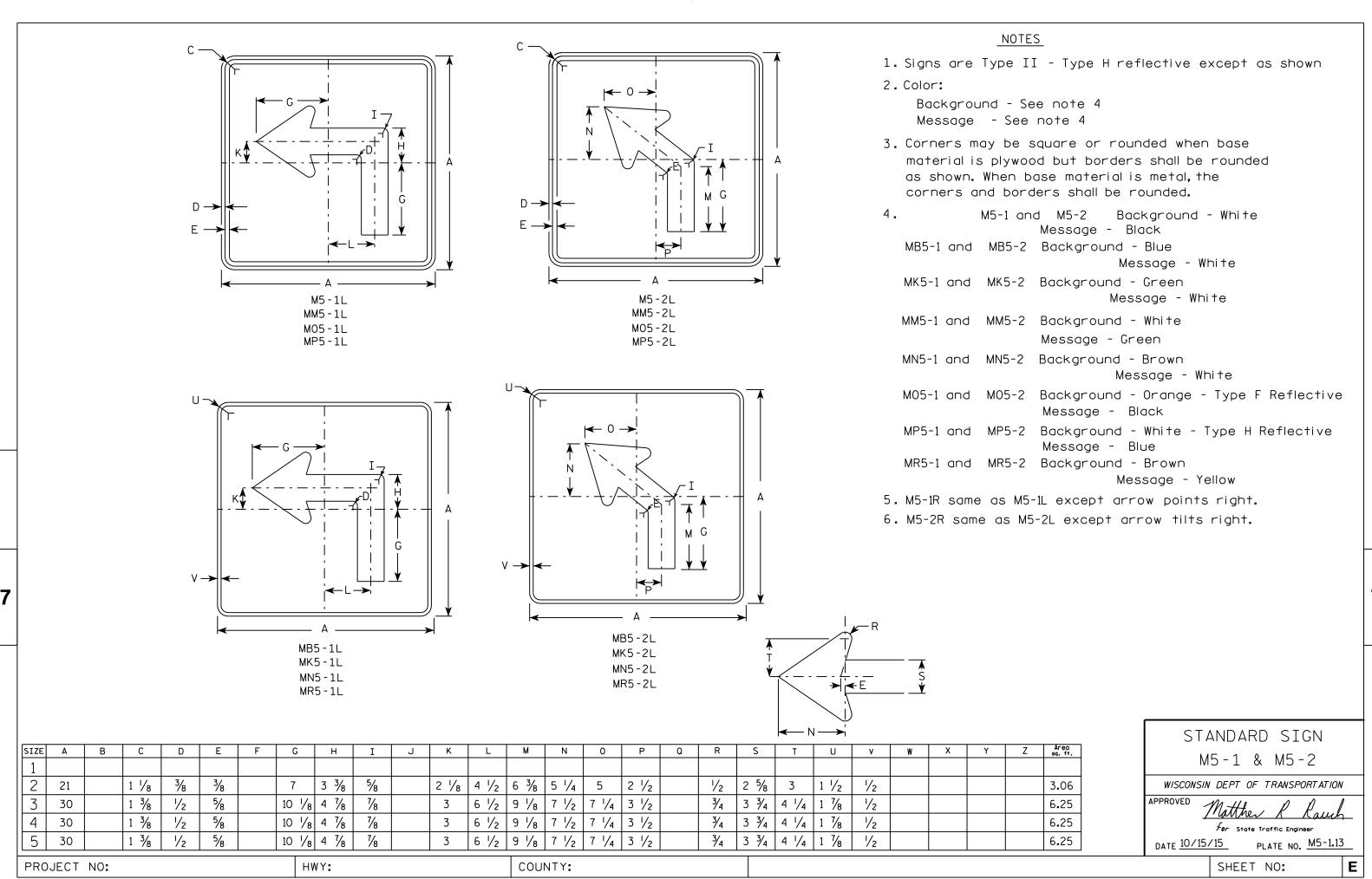
PLOT BY : ditjph

PLOT SCALE : 4.767

PLOT NAME :

PLOT SCALE: 4.767233:1.000000

WISDOT/CADDS SHEET 42

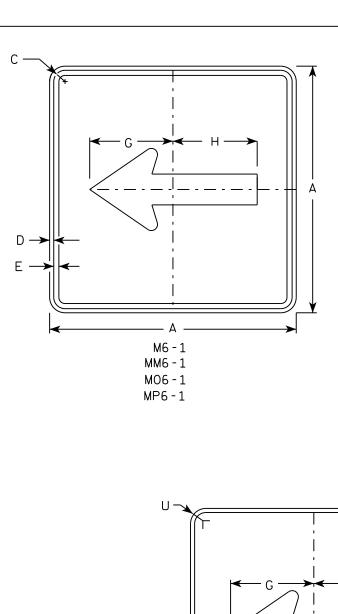


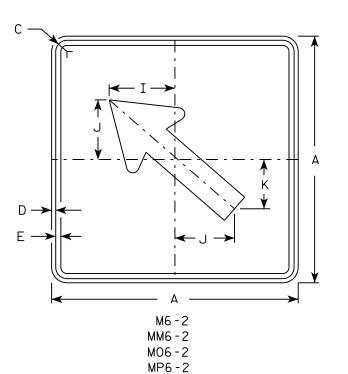
FILE NAME . C.\CAFfiles\Projects\tr stdolote\M51 DCN

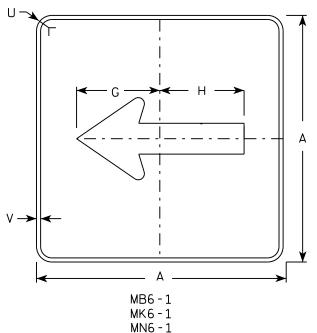
PLOT DATE . 01-DEC-2015 18:07

PINT RY . \$\$ DIOTUSET \$\$ PINT NAMF :

PLOT SCALE . 11 675051.1 000000

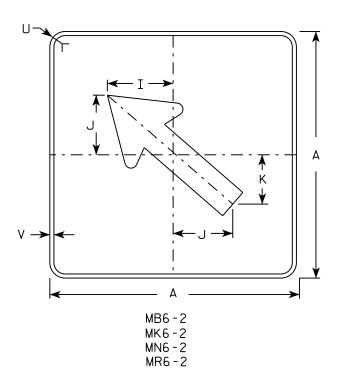






MR6-1

HWY:



NOTES

- 1. Signs are Type II Type H except as Shown
- 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

Message - Black

MB6-1 and MB6-2 Background - Blue

Message - White

MK6-1 and MK6-2 Background - Green

Message - White

MM6-1 and MM6-2 Background - White

Message - Green

MN6-1 and MN6-2 Background - Brown

Message - White

M06-1 and M06-2 Background - Orange - Type F Reflective

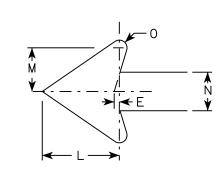
Message - Black

MP6-1 and MP6-2 Background - White

Message - Blue

MR6-1 and MR6-2 Background - Brown

Message - Yellow



SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	٥	R	S	T	U	٧	W	Х	Y	Z	Area sq. ft.
1 1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 %	5	4 1/4	5 1/4	3	2 %	1/2						1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 1/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 1/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 1/8	1/2					6.25

COUNTY:

STANDARD SIGN M6-1 & M6-2 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew & Rawl For State Traffic Engineer

Ε

DATE 10/15/15 PLATE NO. M6-1.15

SHEET NO:

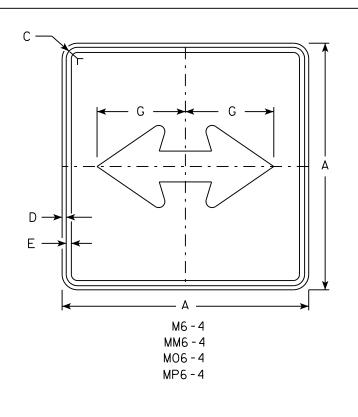
FILE NAME · C·\CAFfiles\Projects\tr stdplote\M61 DCN

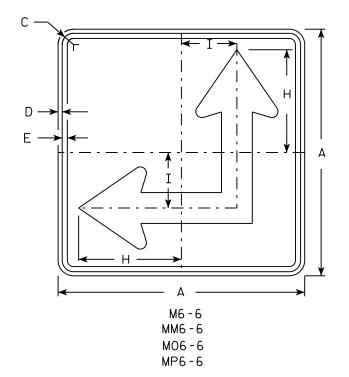
PROJECT NO:

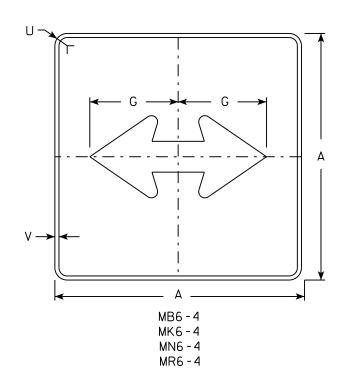
PLOT DATE . 01-DEC-2015 17:57

PIOT RY . \$\$ plotuser \$\$ PIOT NAMF :

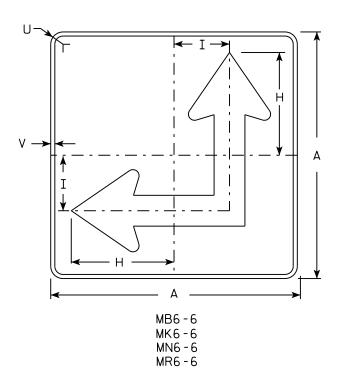
PLOT SCALE . 11 675051.1 000000







HWY:



NOTES

- 1. Signs are Type II Type H except as Shown
- 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 Message - Black

MB6-4 and MB6-6 Background - Blue

Message - White

MK6-4 and MK6-6 Background - Green

Message - White

and MM6-6 Background - White MM6-4

Message - Green

MN6-4 and MN6-6 Background - Brown

Message - White

M06-4 and M06-6 Background - Orange - Type F Reflective

Message - Black

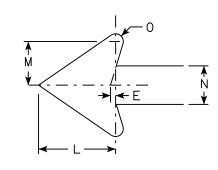
MP6-4 and MP6-6 Background - White

Message - Blue

MR6-4 and MR6-6 Background - Brown

Message - Yellow

5. M6-6R same as M6-6L except arrow points ahead and right.



SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	a	R	S	T	U	٧	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	8 3/4	4 1/4			5 1/4	3	2 5/8	1/2						1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 1/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 1/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 1/8	1/2					6.25
																											==

COUNTY:

STANDARD SIGN M6-4 & M6-6 SERIES

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

DATE 10/15/15

PLATE NO. M6-4.10 Ε

PLOT DATE . 01-DEC-2015 17.58

PLOT RY . \$\$ plotuser \$\$ PLOT NAME :

PLOT SCALE . 11 675051.1 000000

PROJECT NO:

NOTES 1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. 2. Color: Background - Red Message - White 3. Message Series - C R1-1 SIZE A STANDARD SIGN 30 5/8 10 12 1/2 45° 12 3/4 5.18 2S 30 5/8 12 1/2 45° 12 3/4 10 5.18 R1-1 2M 36 3/4 12 15 45° 15 % 7.46 3/4 15 3/8 12 45° 36 15 7.46 WISCONSIN DEPT OF TRANSPORTATION 45° 20 1/2 48 16 20 13.25 APPROVED Matthew & Kauch 5 48 16 20 45° 20 1/2 13.25 3/8 7 3/4 45° 7 3/4 1.86 18 6 For State Traffic Engineer 12 1/4 4 45° 5 1/8 0.78 DATE <u>11/12/15</u> PLATE NO. _____R1-1.13 COUNTY: SHEET NO: PROJECT NO: HWY: PLOT SCALE • 4 378143•1 000000

FILE NAME · C·\CAFfiles\Projects\tr stdplote\R11 DGN

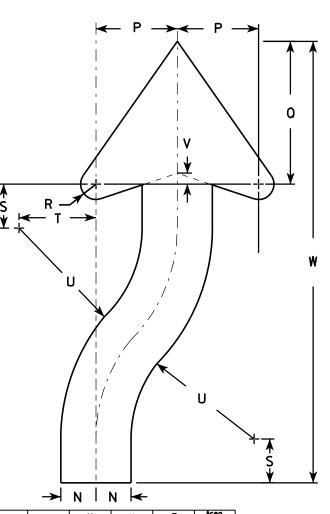
PLOT DATE . 01-DEC-2015 18:07

PINT RY . \$\$ plotuser \$\$ PINT NAMF :

- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. material is plywood but borders shall be rounded
- 2. Color:

Background - White Message - Black

- 3. Corners may be square or rounded when base as shown. When base material is metal, the corners and borders shall be rounded.
- 4. R4-8 is the same as R4-7 except Legend is reversed.



ARROW DETAIL

																							→	N I	N 		
SIZE	Α	В	С	D	Ε	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	Т	U	٧	W	×	Y	Z	Arec sq. f
1	18	24	1 1/8	3∕8	1/2	3 %	4 3/4	5 1/2	1 3/8	2 1/4	6	3	9 3/8	1 1/2	22 1/2	3 1/2	6 1/8	5%	1 %	3 1/4	6 3/4	1/2	20 3/8				3.0
25	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 1/8	3	8	4	12 1/2	2	30	4 %	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
2N	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 1/8	3	8	4	12 1/2	2	30	4 %	8 1/8	7 ⁄8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
3	36	48	1 3/4	1/2	5/8	6 3/4	9 %	11 1/8	2 1/8	4 1/2	12	6	18 3/4	3	45	6 %	12 1/4	1 1/4	3 3/4	6 %	13 1/2	1	40 3/4				12.0
4	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 1/8	4 1/2	12	6	18 3/4	3	45	6 %	12 1/4	1 1/4	3 3/4	6 %	13 1/2	1	40 3/4				12.
5	48	60	2 1/4	3/4	1	9	12 1/2	14 3/4	3 3/4	6	16	8	25	4	60	9 1/4	16 1/4	1 %	5	8 ¾	18	1 1/4	50 1/4				20.

COUNTY:

R4-7

STANDARD SIGN R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

State Traffic Engineer
3/25/2011 PLATE NO. R4-

DATE 3/25/2011 PLATE NO. R4-7.8

SHEET NO:

PROJECT NO:

D→

HWY:

PLOT BY: mscsja



<u>NOTES</u>

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

Background - White Message - Black

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





R	1	1	-	2	L

PLOT NAME :

SIZ	Έ	A	В	С	D	E	F	G	Н	I	C	K	L	M	N	0	Р	0	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																												
2	S	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
21	I	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
3		48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
4		48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
5		48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0

COUNTY:

STANDARD SIGN R11-2

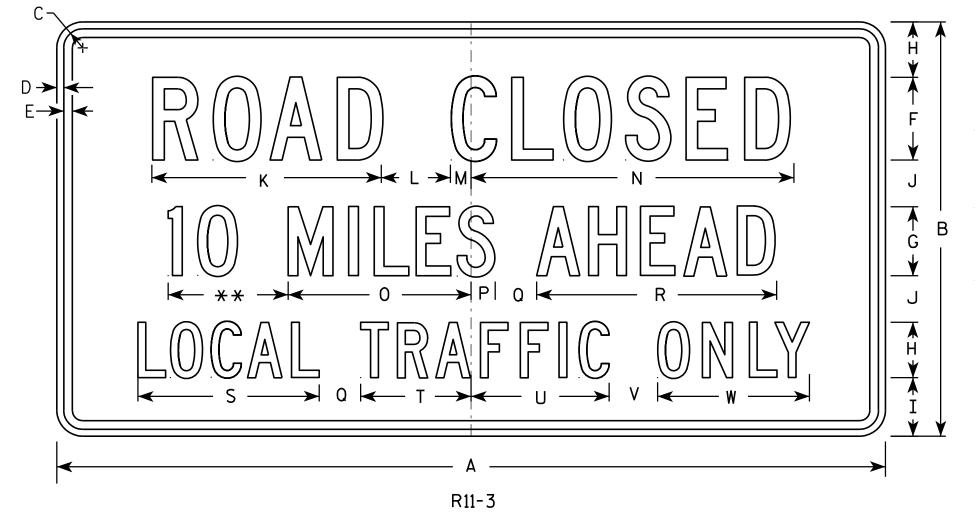
WISCONSIN DEPT OF TRANSPORTATION

DATE 4/1/11 PLATE NO. R11-2.10

SHEET NO:

HWY:

PROJECT NO:



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

Background - White Message - Black

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

** See Note 5

SIZE	Α	В	С	D	Ы	F	G	Н	I	٦	К	L	M	Z	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Areg
1	36	18	1 3/8	1/2	5/8	4	3	2 1/2	2	2	11 1/8	3	1 1/8	15 1/4	8	1 1/2	2	10 ¾	8 %	4 3/4	6 1/2	2	6 3/4				4.5
2S	60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3 3/8	16 5/8	5	1 1/2	23	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11				12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3 3/8	16 5/8	5	1 1/2	23	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11				12.5
3																											
4																											
5																											

COUNTY:

STANDARD SIGN R11-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew & Rauch

DATE 4/1/11 PLATE NO. R11-3.6

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R113.DGN

HWY:

PROJECT NO:

PLOT DATE: 01-APR-2011 14:20

PLOT NAME :

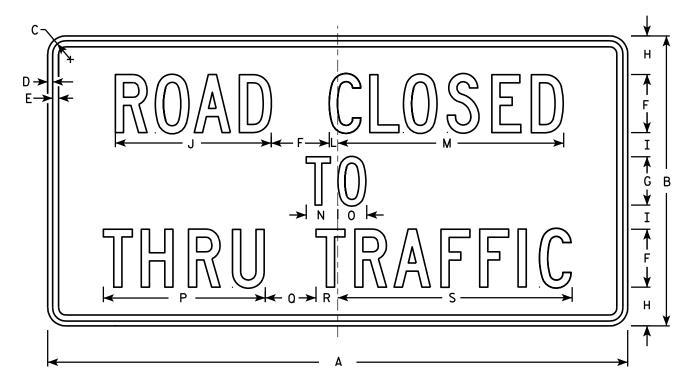
PLOT BY: mscj9h

PLOT SCALE: 6.952216:1.000000

- 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 - Black

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



R11-4

SIZE	Α	В	С	D	E	F	G	Η	I	J	K	L	М	Z	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Area sq. ft.
1																											
2S	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7 /8	23 ¾	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7∕8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
3																											
4																											
5																											

COUNTY:

STANDARD SIGN R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

DATE 4/1/11 PLATE NO. R11-4.3

SHEET NO:

PROJECT NO: FILE NAME : C:\Users\PROJECTS\tr_stdplate\R114.DGN HWY:

PLOT DATE: 01-APR-2011 14:11

PLOT BY: mscj9h

PLOT NAME :

PLOT SCALE: 9.931739:1.000000

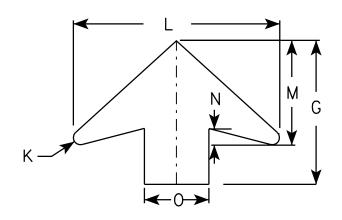
00 S3-1

NOTES

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

Background - YELLOW-GREEN Message - BLACK except as noted Circles except PEDS- RED BACKGROUND

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.



RROW	DFTAII

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	30		1 3/8	1/2	5/8	6 1/4	11 1/4	12 1/2	5 1/4	5 ½	1/2	16	8	1 1/4	5	1 1/2		6 %	5 %	10 %							6.25
2	36		1 %	5/8	₹4	7 1/2	13 1/2	15 1/8	6 1/4	6 1/2	5/8	19 1/4	9 3/4	1 %	6	1 1/8		7 1/8	6 3/8	12 3/8							9.0
3	48		2 1/4	3/4	1	10	17 1/8	20 1/8	8 3/8	8 3/4	7 ⁄8	25 %	13	2	8	2 1/2		10 1/2	8 1/2	16 1/2							16.0
4	48		2 1/4	₹4	1	10	17 1/8	20 1/8	8 3/8	8 ¾	1 / ₈	25 %	13	2	8	2 1/2		10 1/2	8 1/2	16 1/2							16.0
5																											

STANDARD SIGN S3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

for State Traffic Engineer DATE <u>6/8/10</u>

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\S31.DGN

PROJECT NO:

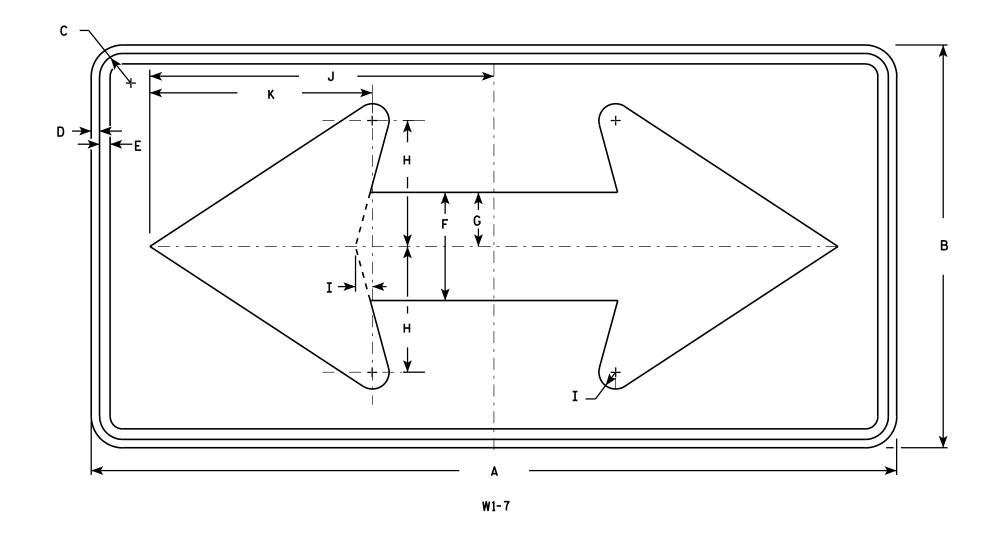
PLATE NO. <u>\$3-1.6</u>

<u>NOTES</u>

- 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.



Areg sq. ft. 2 1/2 5 3/4 1 1/8 15 % 10 1/8 36 4.5 1/2 6 1/2 3 1/4 7 1/2 20 1/2 13 1/4 48 8.0 1/2 6 1/2 3 1/4 7 1/2 20 1/2 13 1/4 48 8.0 1 1/4 25 3/8 16 1/4 3 1/2 9 1/4 12.5 60 1 1/4 25 3/8 16 1/4 4 1 3/8 60 9 1/4 12.5 5 6 1/2 96 2 1/4 13 15 41 | 26 1/2 32.0

COUNTY:

STANDARD SIGN W1-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Au

For State Traffic Engineer

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

SHEET NO:

PLOT DATE: 07-JUN-2010 12:35

PLOT BY: ditjph

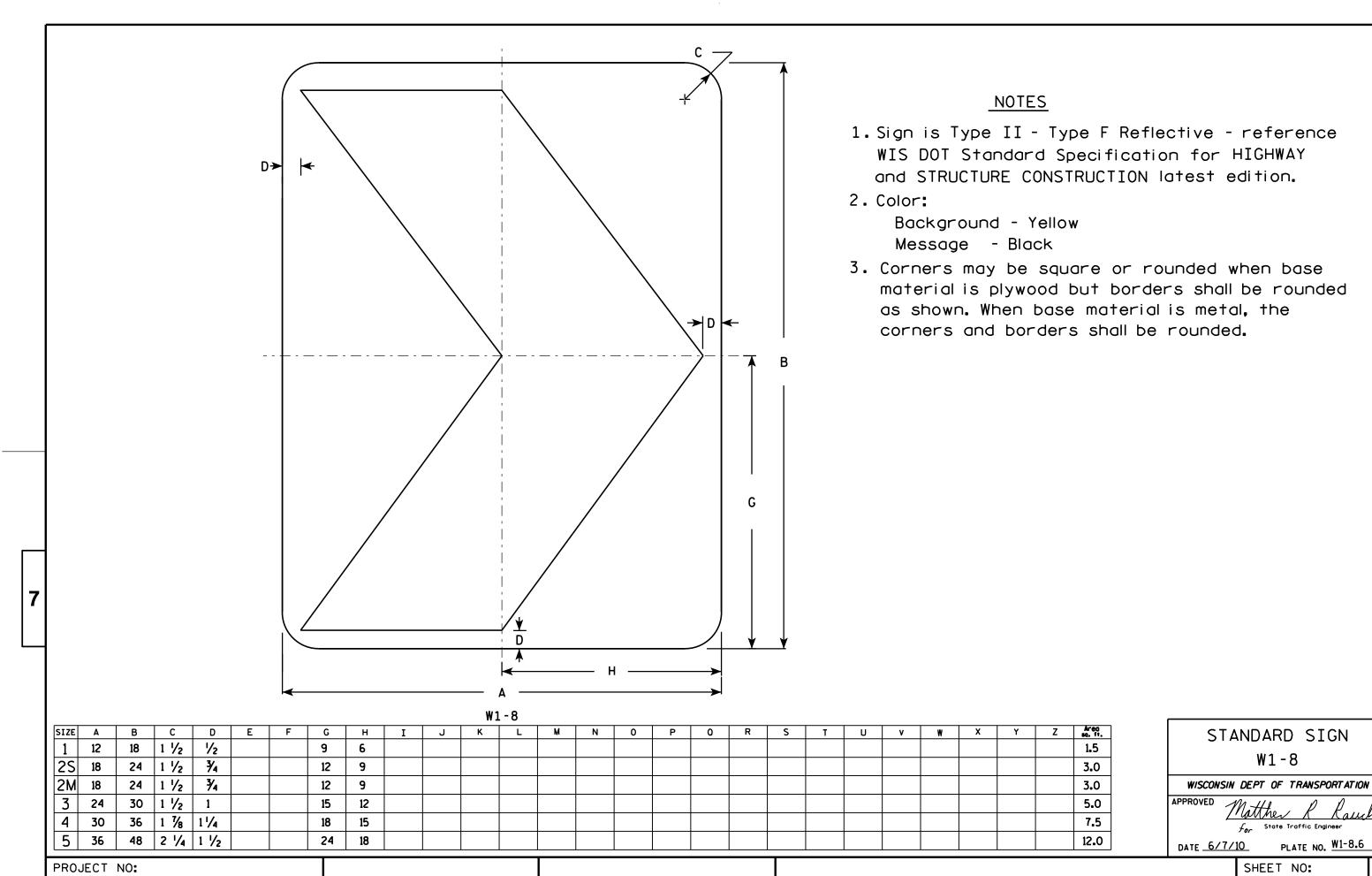
PLOT NAME :

PLOT SCALE : 5.720679:1.000000

000000 WISDOT/CADDS SHEET 42

PROJECT NO:

HWY:



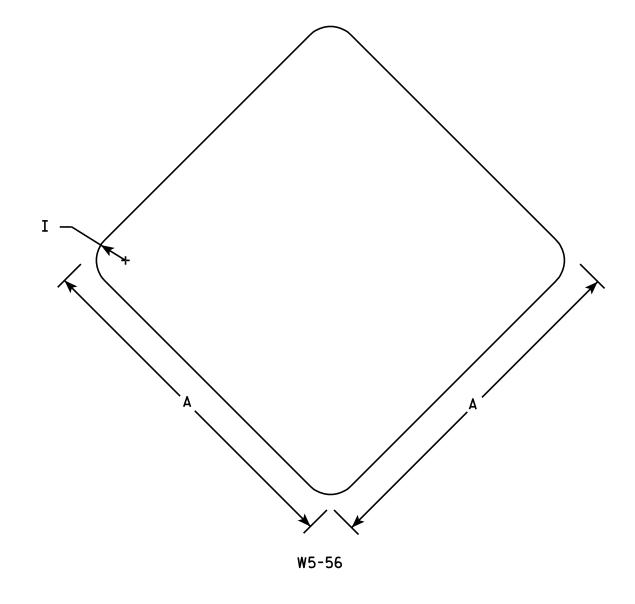
PLOT DATE: 07-JUN-2010 12:55 PLOT BY : ditjph PLATE NO. W1-8.6

W1 - 8

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

Background - Red

3. Corners may be square or rounded when base material is plywood. When base material is metal the corners shall be rounded.



SIZE	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	12								1																		1.0
25	18								1 1/2																		2.25
2M	18								1 1/2																		2.25
3																											
4																											
5																											
PRO	JECT	NO:					н۷	VY:					coul	NTY:					T								

STANDARD SIGN W5 - 56

WISCONSIN DEPT OF TRANSPORTATION APPROVED

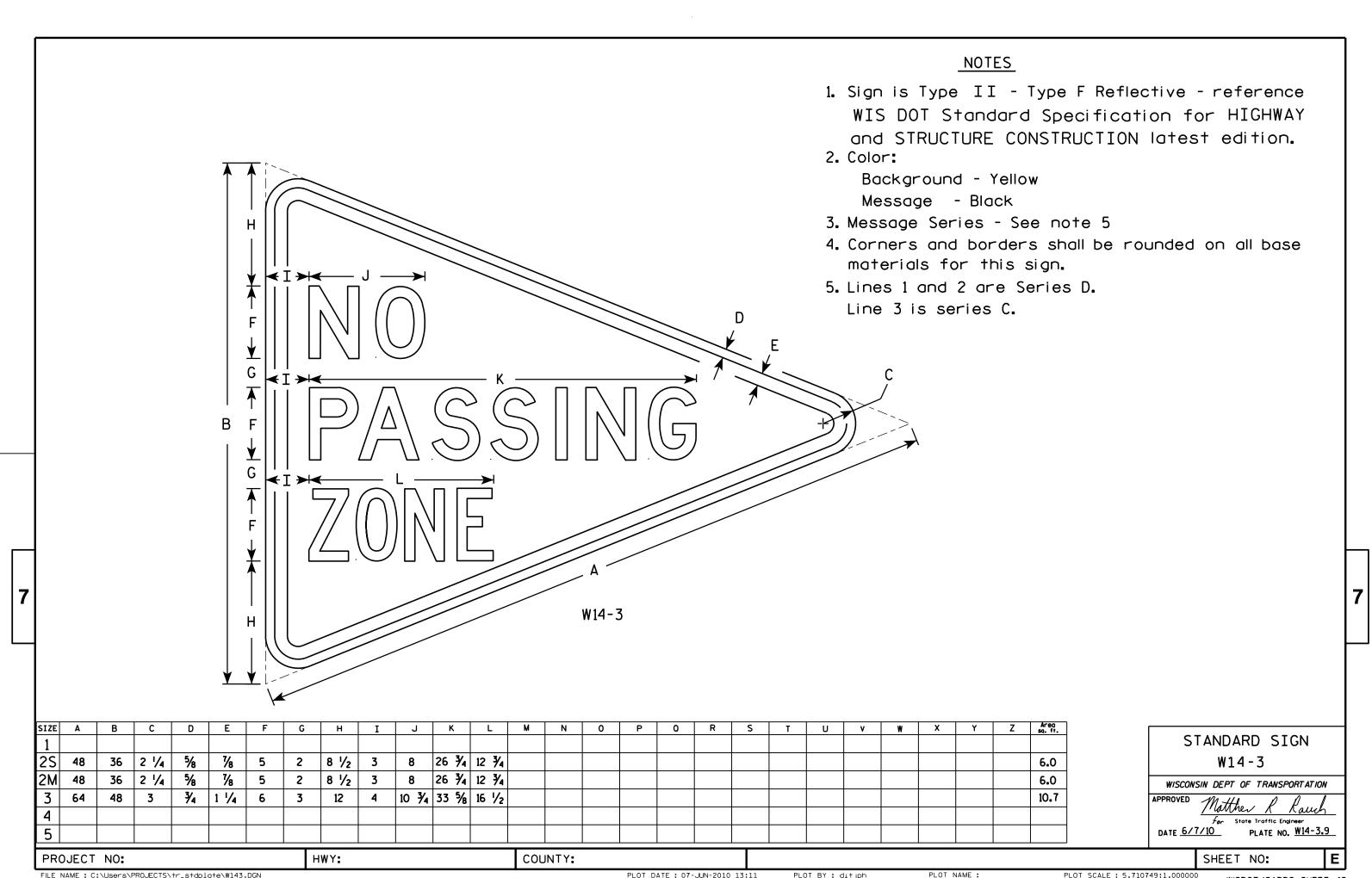
Matthew & Raugh *fer* State Traffic Engineer

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

SHEET NO:

PLOT DATE: 03-NOV-2010 09:53 PLOT NAME : PLOT BY : ditjph

PLOT SCALE: 4.965868:1.000000



FILE NAME : C:\Users\PROJECTS\tr_stdplate\W143.DGN

PLOT DATE: 07-JUN-2010 13:11

PLOT BY: ditjph

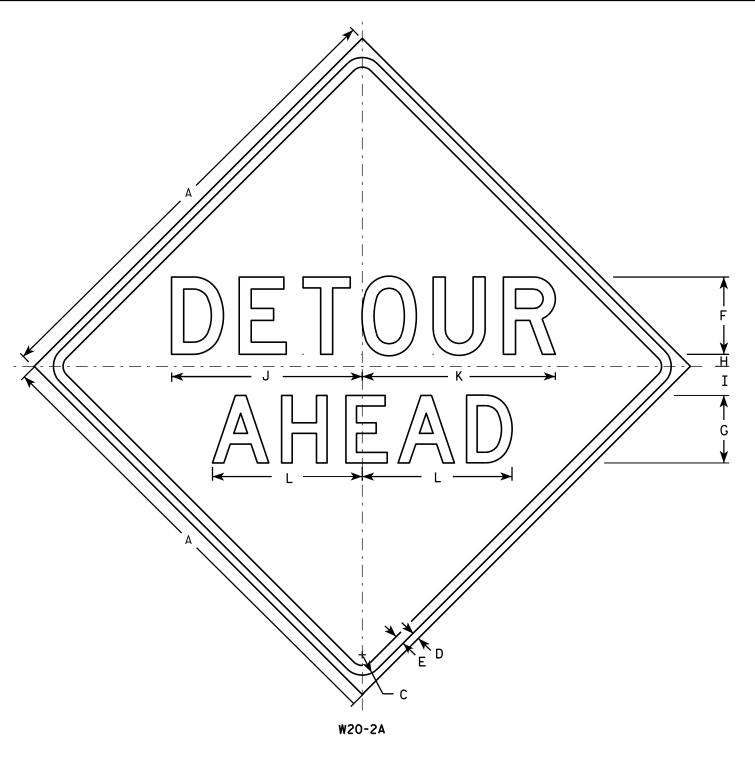
PLOT SCALE: 5.710749:1.000000



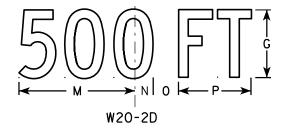
FILE NAME . C.\CAFfiles\Projects\tr stdolote\W201 DCN

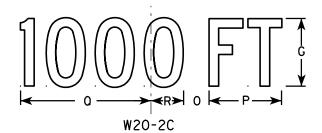
PLOT DATE . 01-DEC-2015 18.24

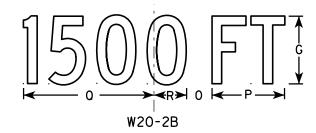
PIOT RY * \$\$ plotuser \$\$

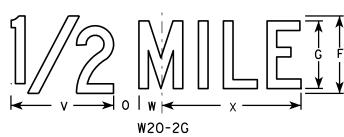


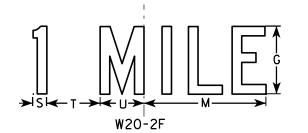
HWY:











PLOT BY: mscj9h

<u>NOTES</u>

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

Background - Orange Message - Black

- 3. Message Series See note 5
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Line 1 is Series D.
 Line 2 is Series D for AHEAD and
 Series C for all other distances.

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	v	W	X	Y	Z	Areo sq. ft.
1	36		1 5/8	5/8	₹4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 1/8	5 %	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 ¾	20	15 1/2	12	1 1/8	2 %	7 1/2	13 1/2	3 %	1 1/2	6	4 %	10 %	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 ¾	20	15 1/2	12	1 1/8	2 %	7 1/2	13 1/2	3 %	1 1/2	6	4 %	10 %	2 3/8	14 3/8			16.0
3	48		2 1/4	3∕4	1	8	7	1 1/4	3	19 ¾	20	15 1/2	12	1 %	2 %	7 1/2	13 ½	3 %	1 1/2	6	4 %	10 %	2 3/8	14 3/8			16.0
4	48		2 1/4	¾	1	8	7	1 1/4	3	19 ¾	20	15 1/2	12	1 %	2 %	7 1/2	13 1/2	3 %	1 1/2	6	4 %	10 %	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 ¾	20	15 1/2	12	1 1/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 %	2 3/8	14 3/8			16.0

COUNTY:

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

WISCONSIN DEPT OF TRANSPORTATION

DATE 3/18/11 PLATE NO. W20-2.6

SHEET NO:

PROJECT NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W202.DGN

PLOT DATE: 18-MAR-2011 10:00

PLOT NAME :

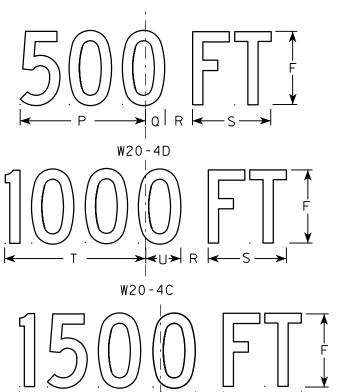
PLOT SCALE: 9.931739:1.000000

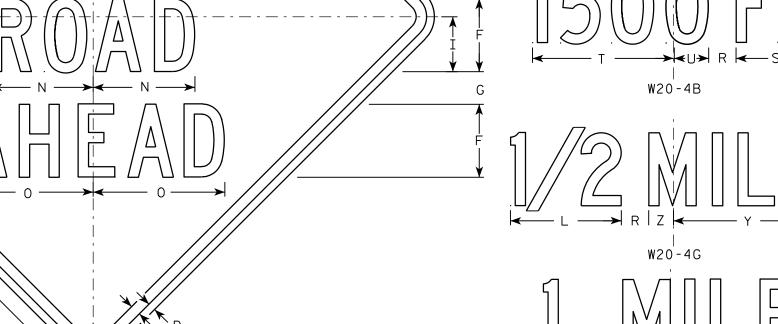


- Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Orange Message - Black

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





SIZE	Α	В	С	D	E	F	G	Н	I	J K	L	М	N	0	Р	0	R	S	T	U	٧	W	Х	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	2 3/8	6	3 3/4	10 3/8 2 3/8	8	13 1/2	7	8 %	9	1 3/8	1 1/8	5 %	10 1/8	2 1/2	1 1/8	4 1/2	3 ½	10 ¾	1 3/4	9.0
25	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8 3 1/4	10 %	17 ¾	9 3/4	12 %	12	1 1/8	2 %	7 1/2	13 ½	3 3/8	1 1/2	6	4 %	14 3/8	2 3/8	16.0
2M	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8 3 1/4	10 %	17 ¾	9 3/4	12 %	12	1 1/8	2 %	7 1/2	13 1/2	3 %	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0
3	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8 3 1/4	10 %	17 3/4	9 3/4	12 %	12	1 1/8	2 %	7 1/2	13 1/2	3 %	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8 3 1/4	10 %	17 3/4	9 3/4	12 %	12	1 1/8	2 %	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8 3 1/4	10 %	17 3/4	9 3/4	12 %	12	1 1/8	2 %	7 1/2	13 1/2	3 %	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0

W20-4A

STANDARD SIGN W20-4A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Rauch

For State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-4.9

SUEET NO.

SHEET NO:

PROJECT NO:

W20-4F

Ε

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

Background - Orange Message - Black

- 3. Message Series See Note 5
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. " _____ LANE" is Series B. All other copy is Series C.

W20-5D

W20-5B

W20-5G

PLOT BY: mscj9h

->I0I← R-		
	W20-5F	

								W20-	5 A																	11 2	20-56
SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	Т	U	v	W	X	Y	Z	Area sq. ft.
1	36	6	1 5/8	5/8	3/4	5	7/8	2 1/2	13 1/8	10 ¾	9 1/2	14 1/4	13 5/8	12	12	1 3/8	1 1/8	4 1/2	3 1/2	9	1 1/8	5 %	10 1/8	2 1/2	1 3/4	8	9.0
2S	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 1/8	1 1/2	6	4 %	12	2 %	7 1/2	13 1/2	3 3/8	2 3/8	10 %	16.0
2M	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 1/8	1 1/2	6	4 %	12	2 %	7 1/2	13 1/2	3 %	2 3/8	10 %	16.0
3	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 %	19	18 3/8	16	14 1/4	1 %	1 1/2	6	4 %	12	2 %	7 1/2	13 1/2	3 %	2 3/8	10 %	16.0
4	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 %	19	18 3/8	16	14 1/4	1 %	1 1/2	6	4 5/8	12	2 %	7 1/2	13 1/2	3 %	2 3/8	10 %	16.0
5	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 %	19	18 3/8	16	14 1/4	1 1/8	1 1/2	6	4 %	12	2 %	7 1/2	13 1/2	3 3/8	2 3/8	10 %	16.0

COUNTY:

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

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Kauch Fer State Traffic Engineer DATE 3/18/11 PLATE NO. W20-5.11

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W205.DGN

PROJECT NO:

HWY:

W20-56A

W20-55A

PLOT DATE: 18-MAR-2011 12:15

PLOT NAME :

PLOT SCALE: 11.918087:1.000000

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

Background - Orange Message - Black

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

A	G H- - - - - - - - - - - - -
W20-7	7A

HWY:

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 1/8	5/8	₹4		2 3/4	13 1/2	14 5/8																		9.00
25	48		2 1/4	₹4	1		3 3/4	18	19 1/2																		16.00
2M	48		2 1/4	₹4	1		3 3/4	18	19 1/2																		16.00
3	48		2 1/4	3∕4	1		3 3/4	18	19 1/2																		16.00
4	48		2 1/4	₹4	1		3 3/4	18	19 1/2																		16.00
5	48		2 1/4	₹4	1		3 3/4	18	19 1/2																		16.00

COUNTY:

STANDARD SIGN W20-7A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew & Rauch

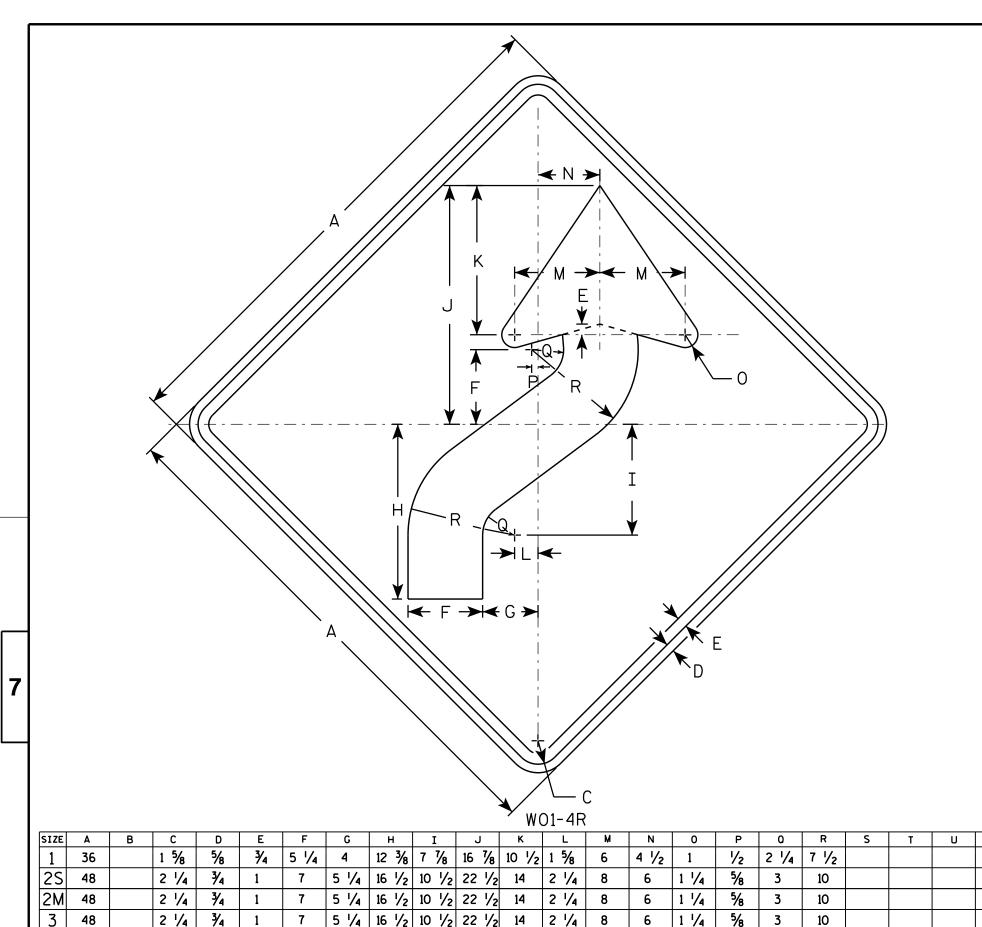
For State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-7A.5

SHEET NO:

PROJECT NO:

PLOT NAME :



5 1/4 16 1/2 10 1/2 22 1/2 14

5 1/4 16 1/2 10 1/2 22 1/2 14

HWY:

2 1/4

2 1/4

NOTES

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

Background - Orange Message - Black

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. W01-4L is the same as W01-4R except the arrow is reversed along the vertical centerline.

9.0 16.0 16.0 16.0 16.0 STANDARD SIGN W01-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch

For State Traffic Engineer

DATE <u>11/18/1</u>3

PLATE NO. WO1-4.1
SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W014.DGN

48

48

PROJECT NO:

2 1/4 3/4

2 1/4 | 3/4

PLOT DATE : 28-FEB-2014 11:35

10

1 1/4

1 1/4

COUNTY:

5/8

PLOT NAME :

PLOT BY: mscj9h

PLOT SCALE: 6.755110:1.000000

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

Background - Orange Message - Black

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

c —	
D -> E ->	
M —	→ I ← I
N	Н — Н
Α	· · · · · · · · · · · · · · · · · · ·
WO:	1-6

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Area sq. ft.
1																											
2S	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 ¾													12.5
5	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

COUNTY:

STANDARD SIGN WO1-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch
For State Traffic Engineer

DATE <u>11/18/13</u>

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W016.DGN

HWY:

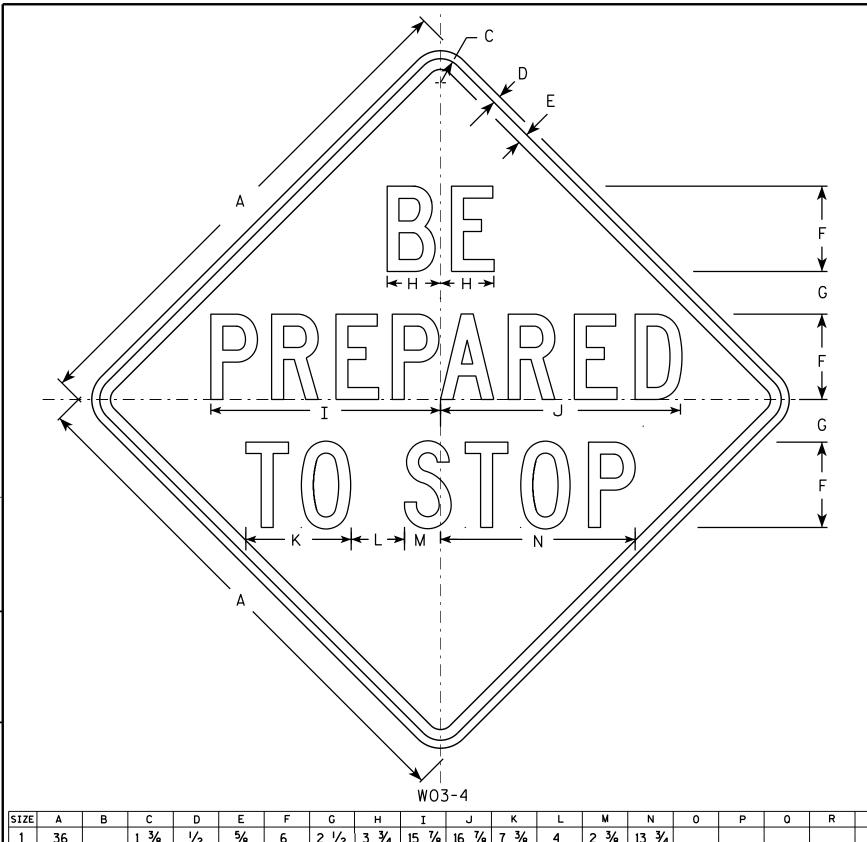
PROJECT NO:

PLOT DATE: 28-FEB-2014 11:37

PLOT NAME :

PLOT BY: mscj9h

PLOT SCALE: 5.837526:1.000000



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

Background - Orange Message - Black

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

1 3/8 5/8 2 3/8 | 13 3/4 1/2 2 1/2 15 % 16 % 7 % 9.0 3/4 21 1/2 22 1/2 9 7/8 5 3 3/8 18 1/4 48 2 1/4 16.0 2 1/4 3/4 21 1/2 22 1/2 9 7/8 5 3 3/8 | 18 1/4 16.0 48 3/4 21 1/2 22 1/2 9 7/8 5 3 3/8 18 1/4 2 1/4 16.0 48 4 21 1/2 22 1/2 9 7/8 5 3 3/8 18 1/4 2 1/4 3/4 48 8 16.0 5 3/4 21 1/2 22 1/2 9 7/8 3 3/8 18 1/4 48 2 1/4 8 16.0

COUNTY:

STANDARD SIGN W03 - 4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 12/02/13

PLATE NO. W03-4.1 SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W034.DGN

HWY:

PROJECT NO:

PLOT DATE: 02-DEC-2013 14:02

PLOT NAME :

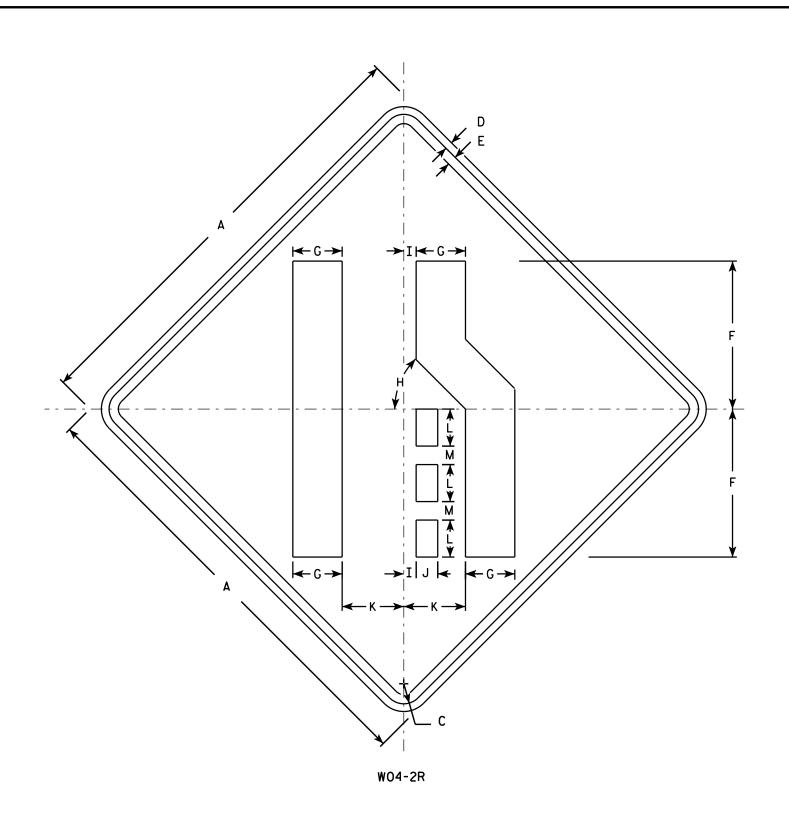
WISDOT/CADDS SHEET 42

PLOT SCALE: 8.999518:1.000000

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

Background - Orange Message - Black

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. W04-2L is the same as W04-2R except the symbolis reversed along the vertical centerline.



SIZE 1 % 5/8 3/4 12 45° 1 3/4 5 1 1/2 4 36 3 9.0 2S 2 1/4 5 3/8 45° 1 ¼ 2 ¾ 6 ¾ 3/4 48 16.0 45° 1 ¼ 2 ¾ 6 ¾ 3/4 5 3/8 48 2 1/4 2 16.0 2 1/4 3 48 3/4 5 % 45° | 1 1/4 | 2 3/8 | 6 3/4 2 16.0 2 1/4 3/4 5 3/8 45° | 1 1/4 | 2 3/8 | 6 3/4 48 2 16.0 5 2 1/4 3/4 5 3/8 45° | 1 1/4 | 2 3/8 | 6 3/4 48 2 16.0

STANDARD SIGN W04 - 2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

ForState Traffic Engineer

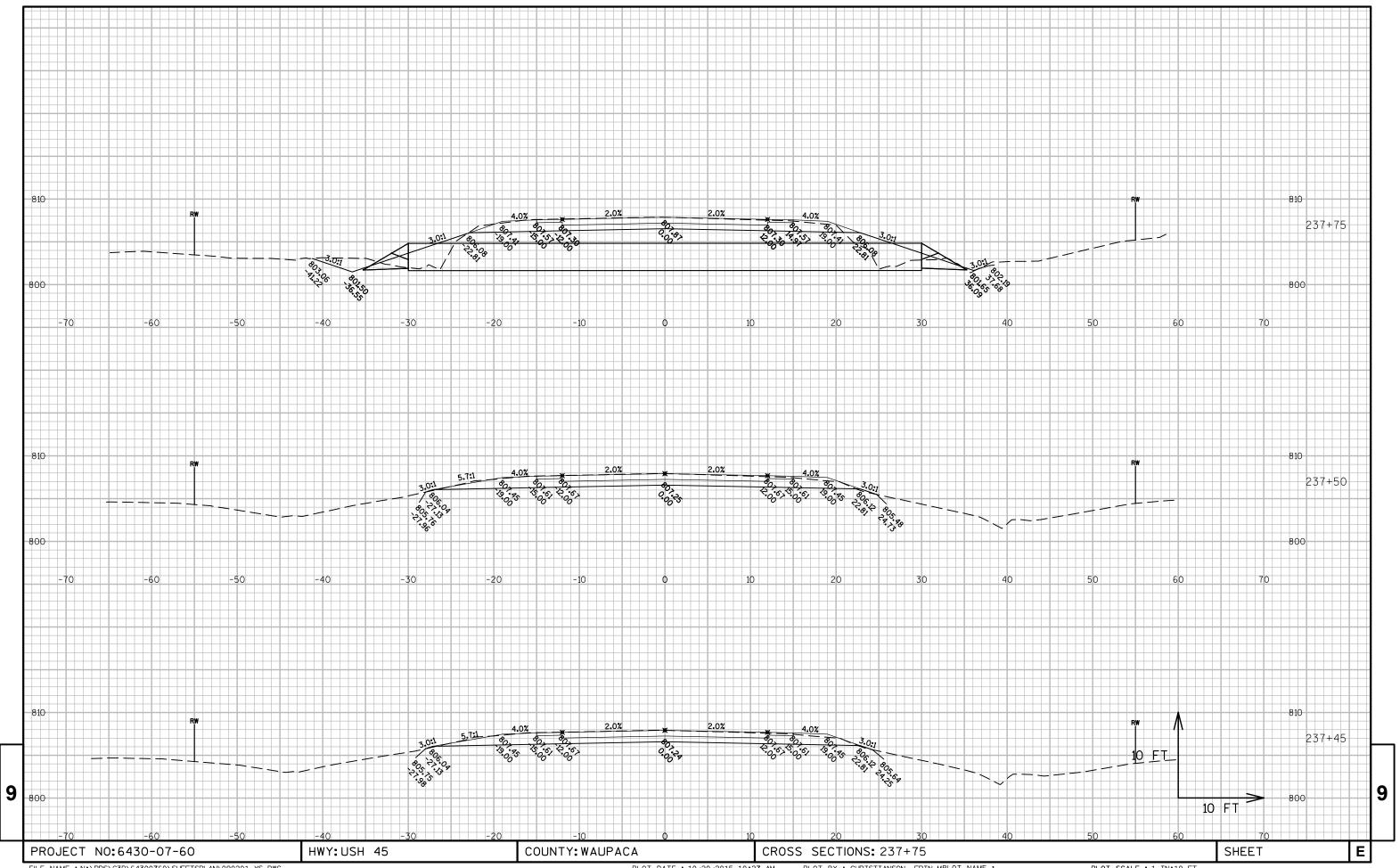
DATE 11/20/13 PLATE NO. <u>WO4-2.1</u>

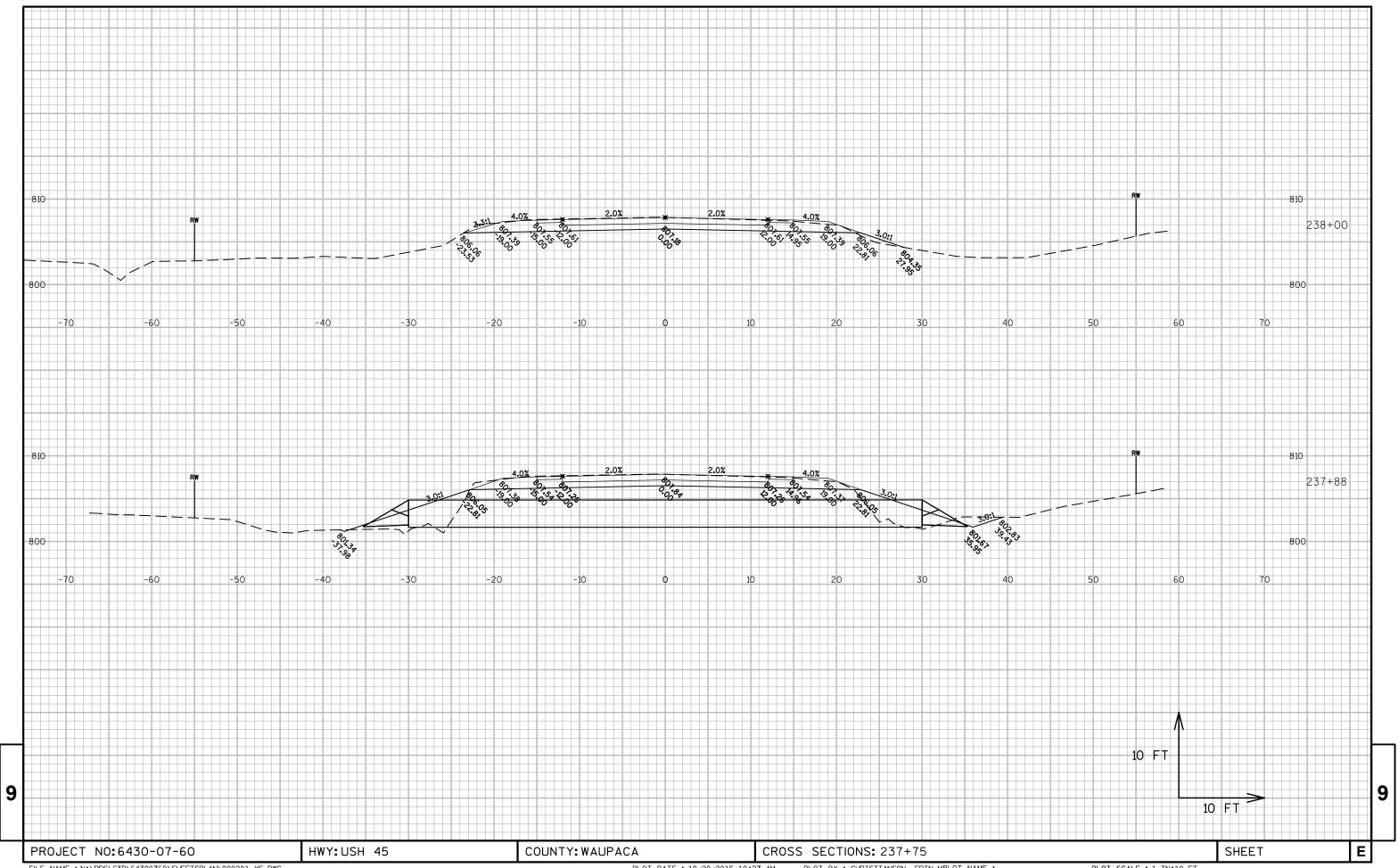
SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W042.DGN

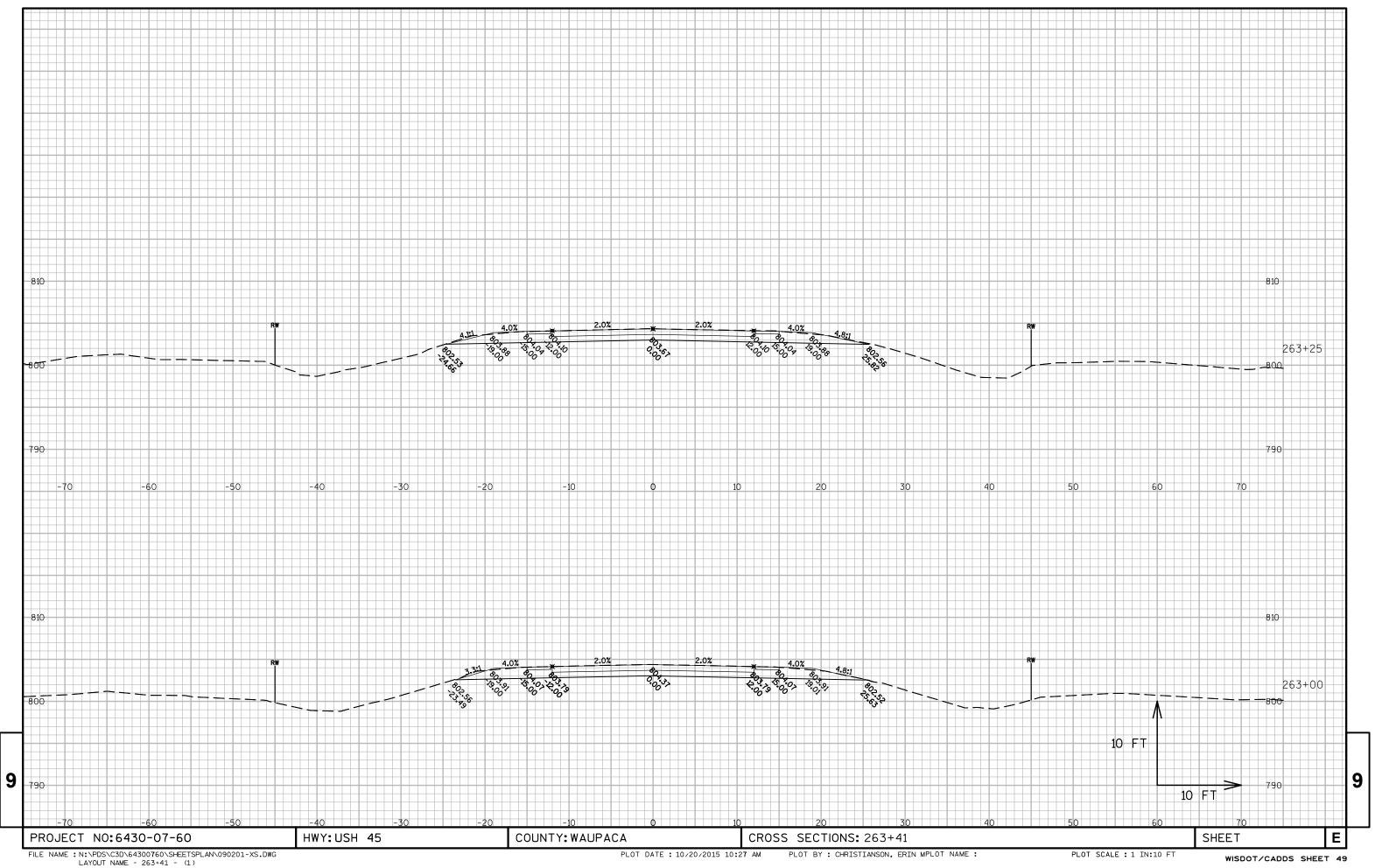
PROJECT NO:

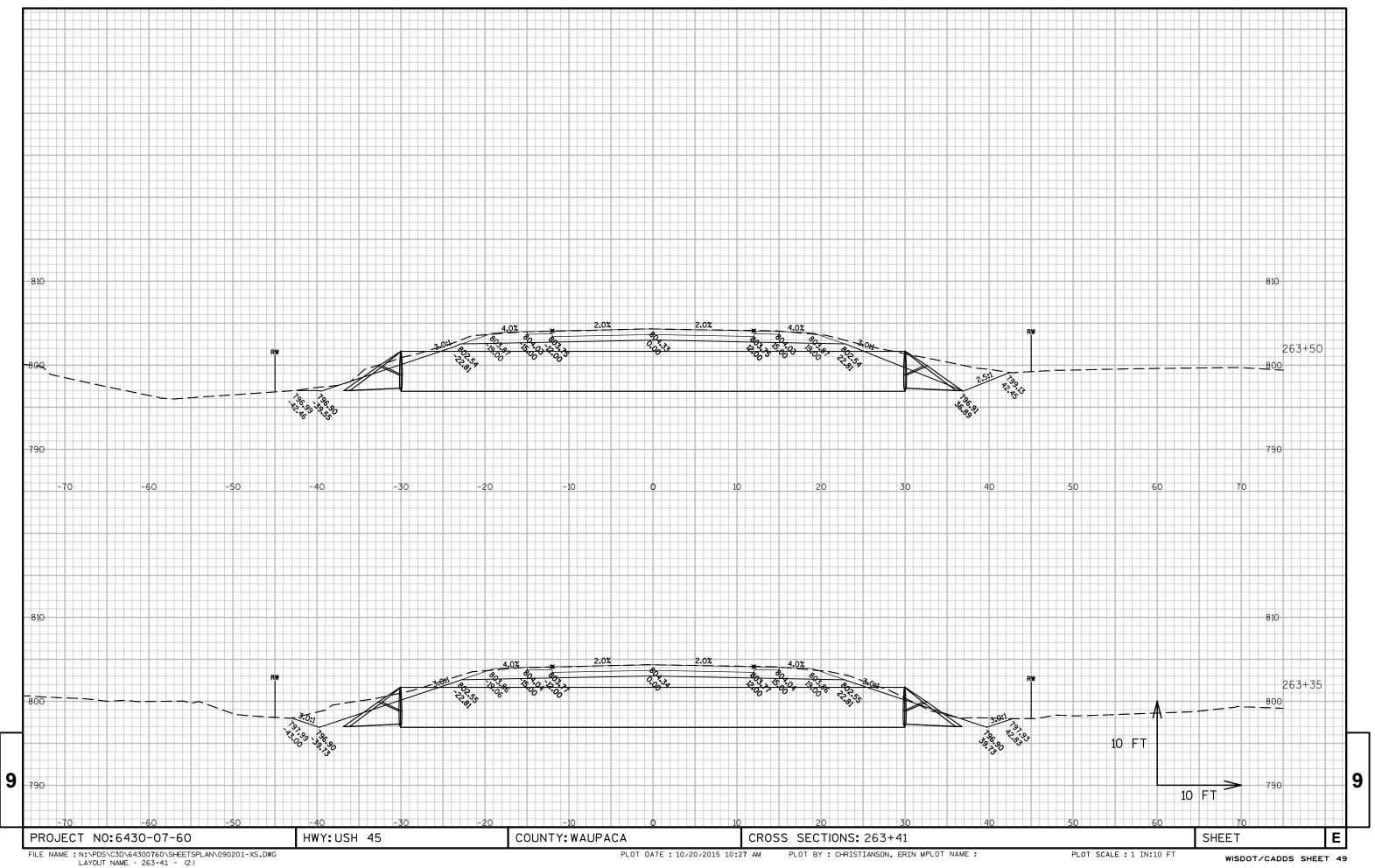
PLOT DATE: 20-NOV-2013 11:43

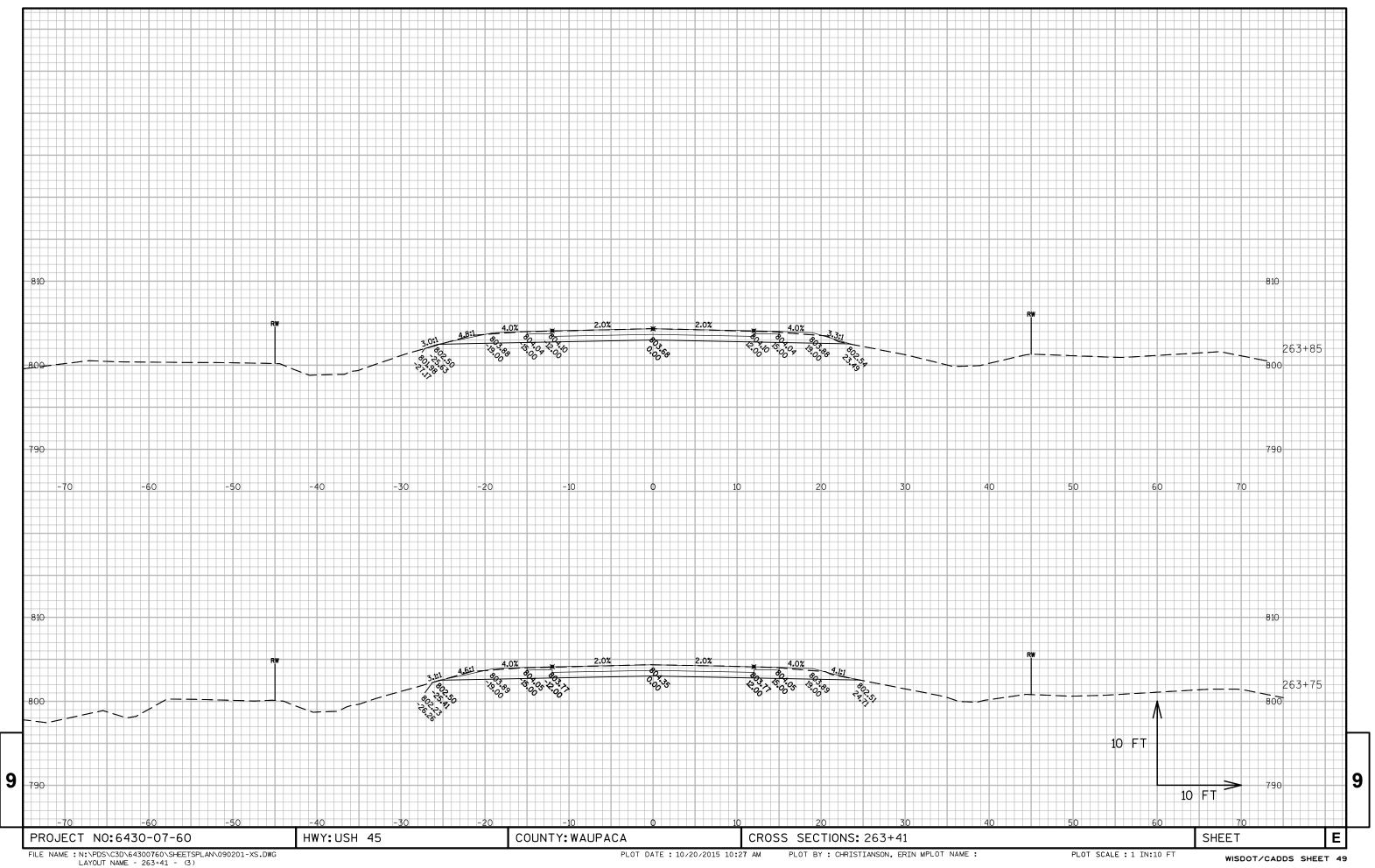














Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov