JUN 2016

ORDER OF SHEETS

Section No. 1

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

Title

TOTAL SHEETS = 160

DESIGN DESIGNATION

CONVENTIONAL SYMBOLS

LIMITED HIGHWAY EASEMENT

PROPOSED OR NEW R/W LINE

EXISTING RIGHT OF WAY

CORPORATE LIMITS

PROPERTY LINE

SLOPE INTERCEPT

REFERENCE LINE

EXISTING CULVERT

PROPOSED CULVERT

COMBUSTIBLE FLUIDS

WOODED OR SHRUB AREA

(Box or Pipe)

MARSH AREA

LOT LINE

A.A.D.T.

A.A.D.T.

DESIGN SPEED

D.H.V.

PLAN

2016 = 12,050

2036 = 14,600

= 1.490 = 60/40 = 11.4%

= 65 MPH

= 3,701,100

PROFILE

GRADE LINE

ORIGINAL GROUND

SPECIAL DITCH

UTILITIES

FIBER OPTIC

SANITARY SEWER

UTILITY PEDESTAL

TELEPHONE POLE

STORM SEWER

TELEPHONE

POWER POLE

WATER

ELECTRIC

GAS

GRADE ELEVATION

CULVERT (Profile View)

Section No. 9 Cross Sections

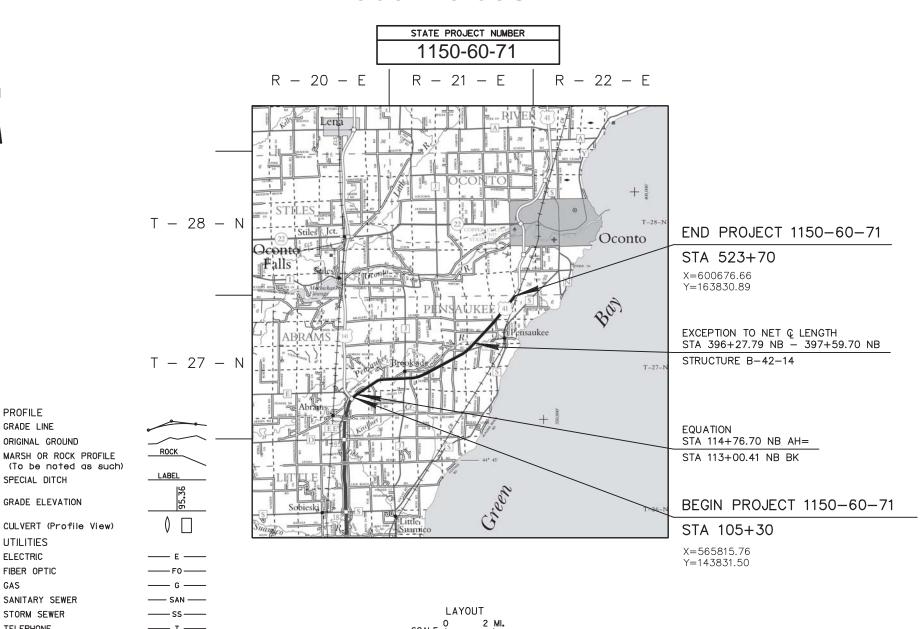
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

GREEN BAY - OCONTO

USH 141 - KRUEGERS QUARRY ROAD

USH 41 OCONTO COUNTY



STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

FEDERAL PROJECT

CONTRACT

1

PROJECT

WISC 2016225

STATE PROJECT

1150-60-71

PREPARED BY WISDOT NE REGION Surveyor D. KIRST & K. FOUST Designer D. SEGERSTROM Regional Supervisor_

APPROVED FOR THE DEPARTMENT

TOTAL NET LENGTH OF CENTERLINE = 7.898 MI.

SCALE '

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY

COORDINATES, OCONTO COUNTY, NAD83 (2007), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID

DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

GENERAL NOTES

ALL COORDINATES SHOWN ON THIS PLAN ARE GRID COORDINATES REFERENCED TO THE WISCONSIN COORDINATE SYSTEM. CENTRAL ZONE.

ALL ELEVATIONS ON THIS PROJECT ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD 88

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

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

INLET AND DISCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES SHOWN ON THE PLAN ARE APPROXIMATE AND SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

PRIOR TO ORDERING DRAINAGE PIPES AND STRUCTURES, THE CONTRACTOR SHALL VERIFY RELATED DRAINAGE INFORMATION IN THE PLAN WITH THE ENGINEER.

EXISTING DRAINAGE DITCHES ANDS CULVERT PIPES WILL REMAIN FUNCTIONAL DURING EXCAVATION.

Doug Vosberg ATC Management, Inc - Electricity 5303 Fen Oak Dr Madison, WI 53718 (608) 877-7650 dvosberg@atcllc.com

Carlos Ramos Merit Network, Inc. - Communication Line Suite 200 1000 Oakbrook Dr Ann Arbor, MI 48104 (734) 527-5767 (734) 476-3873 cramosjr@merit.edu

Vince Albin Time Warner Cable - Communication Line 3520 E Destination Dr Appleton. WI 54915 (920) 831-9249 vince.albin@twcable.com

Randy Steier Wisconsin Public Service Corporation -Electricity 2850 S. Ashland Ave Green Bay, WI 54307 (920) 617-5167 (920) 655-1596 RDSteier@wisconsinpublicservice.com

Rick Klussendorf CenturyLink - Communication Line P.O. Box 260 Wausaukee, WI 54177 (715) 856-0051 rick.klussendorf@centurylink.com

Jack Pardy Oconto Electric Cooperative - Electricity 7479 Rea Rd Oconto Falls, WI 54154 (920) 373-8524 jpardy@ocontoelectric.com

CONTACT: CORMAC MCINNIS NORTHEAST REGIONAL SURVEY COORDINATOR 944 VANDERPERREN WAY GREEN BAY, WI 54304 920-492-5638 Cormac.McInnis@dot.wi.gov



EMERGENCY CONTACT NUMBERS FOR WISCONSIN POWER AND LIGHT COMPANY

ELECTRIC 24 HOUR EMERGENCY SERVICE: 1-800-862-6261 GAS 24 HOUR EMERGENCY SERVICE: 1-800-862-6263

EMERGENCY CONTACT NUMBERS FOR WISCONSIN PUBLIC SERVICE

ELECTRIC 24 HOUR EMERGENCY SERVICE: 1-800-450-7240 GAS 24 HOUR EMERGENCY SERVICE: 1-800-450-7280

DNR AREA LIAISON

Jim Doperalski Jr. Department of Natural Resources DNR Northeast Regional Headquarters 2984 Shawano Ave Green Bay, WI 54313 (920) 662-5119 James.Doperalski@wisconsin.gov

PROJECT NO: 1150-60-71

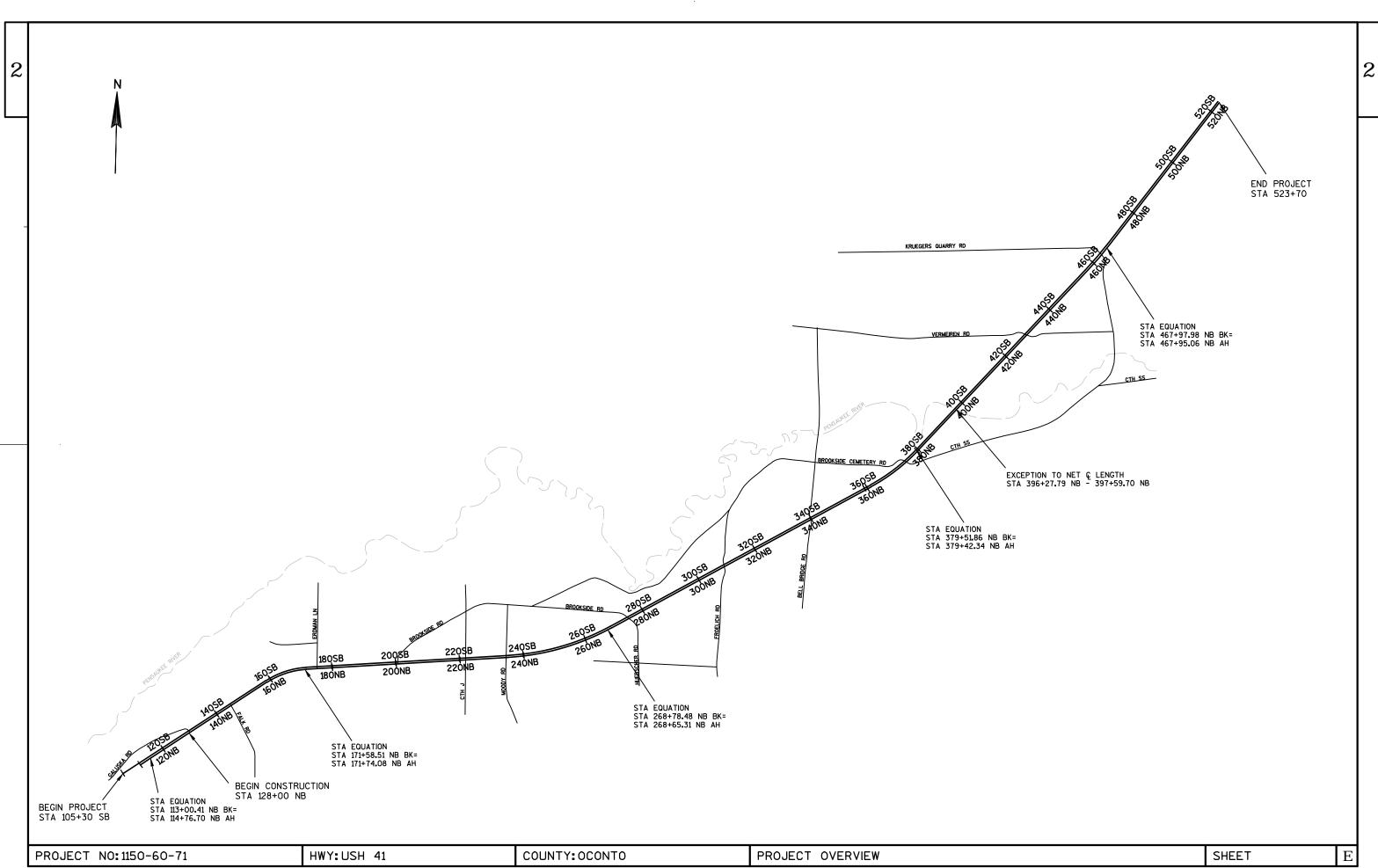
HWY: USH 41

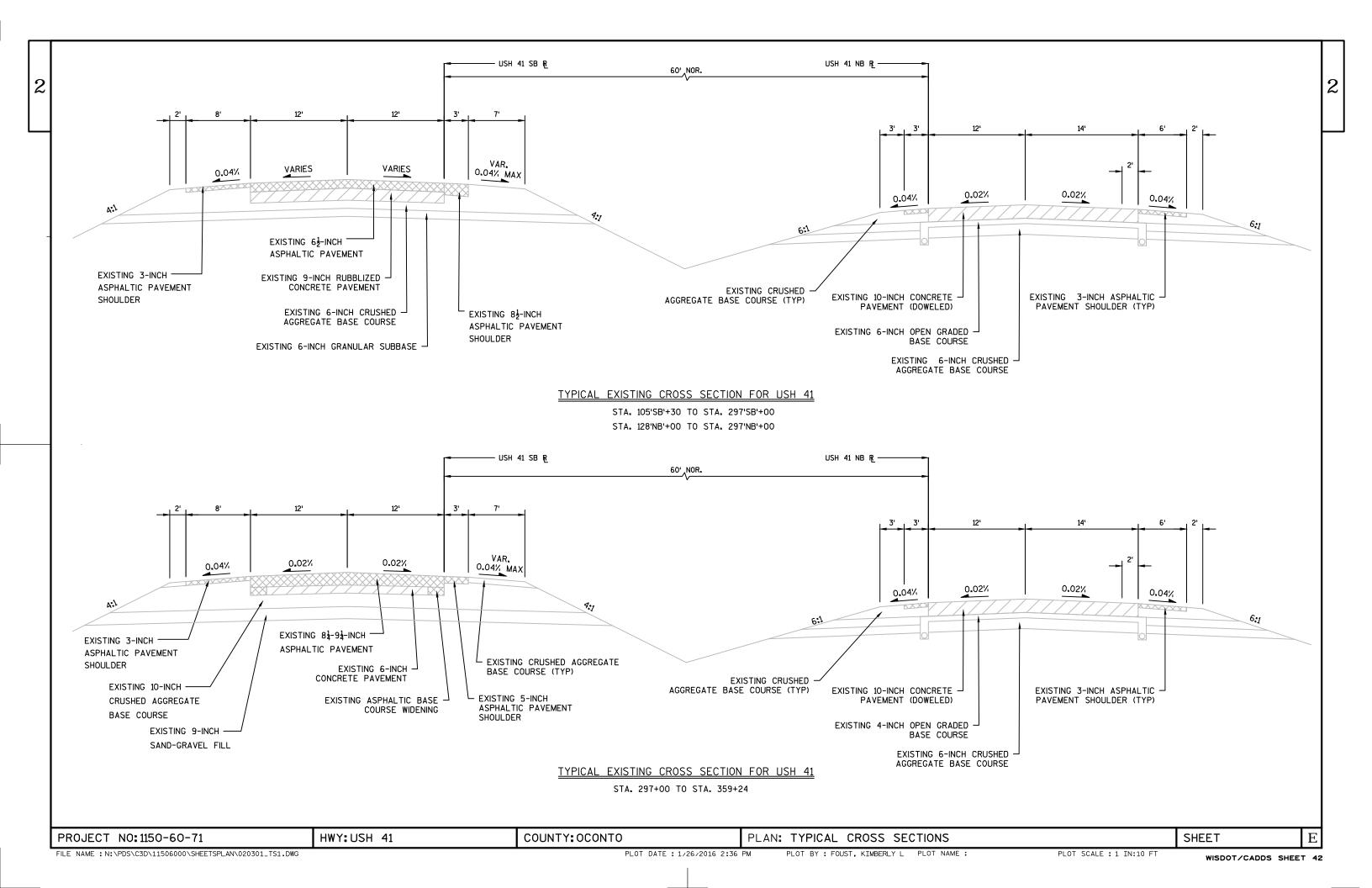
COUNTY: OCONTO

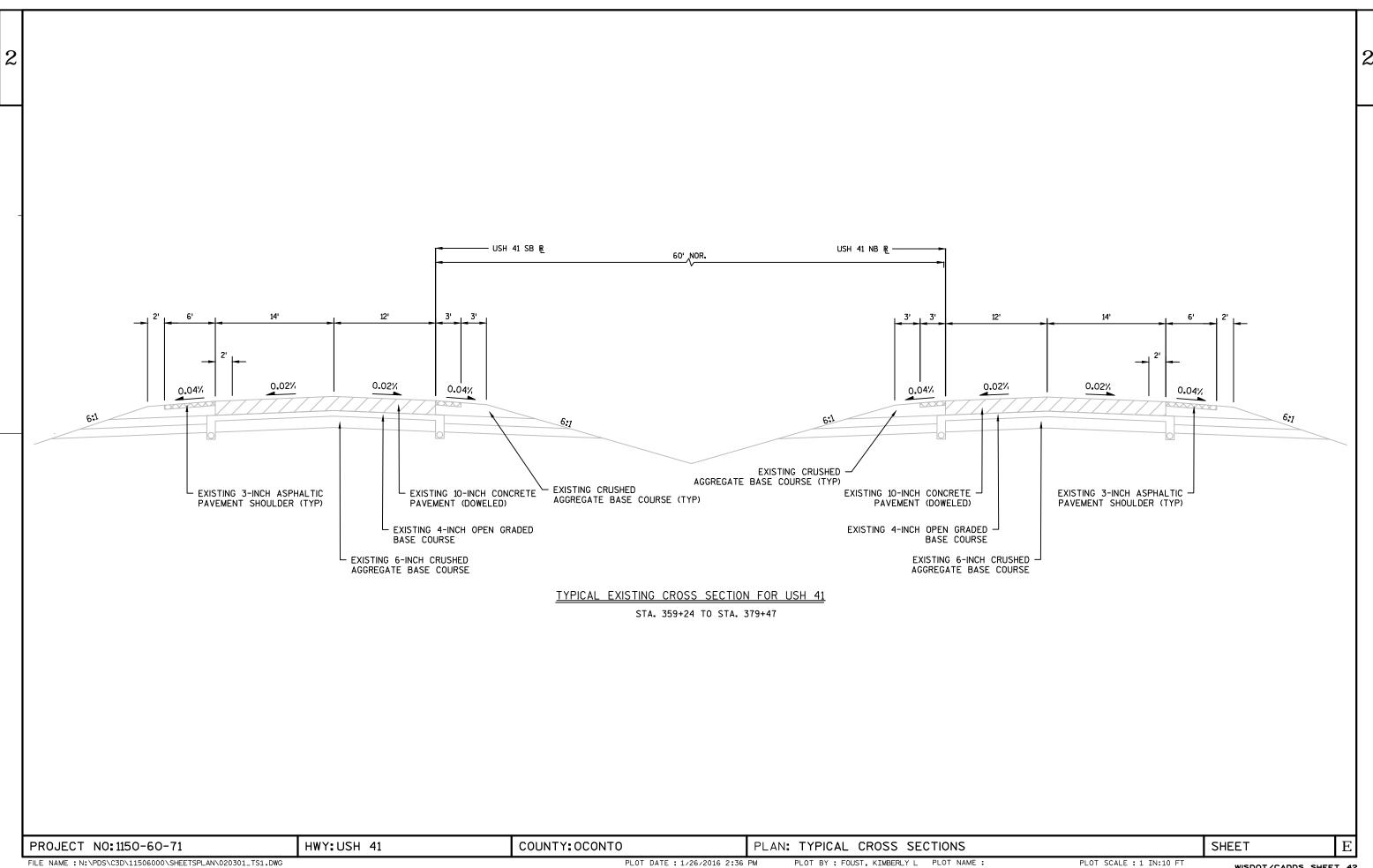
GENERAL NOTES

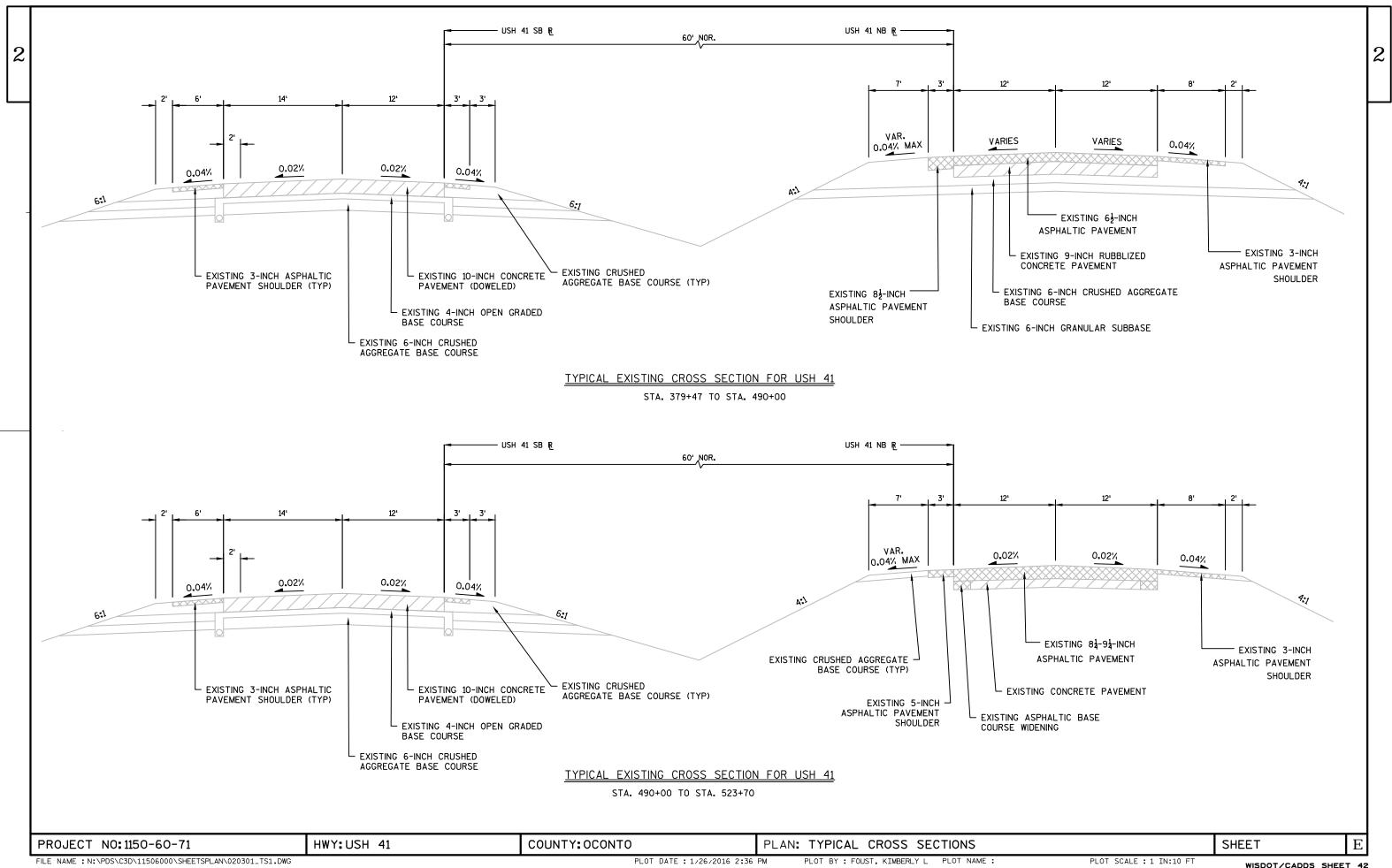
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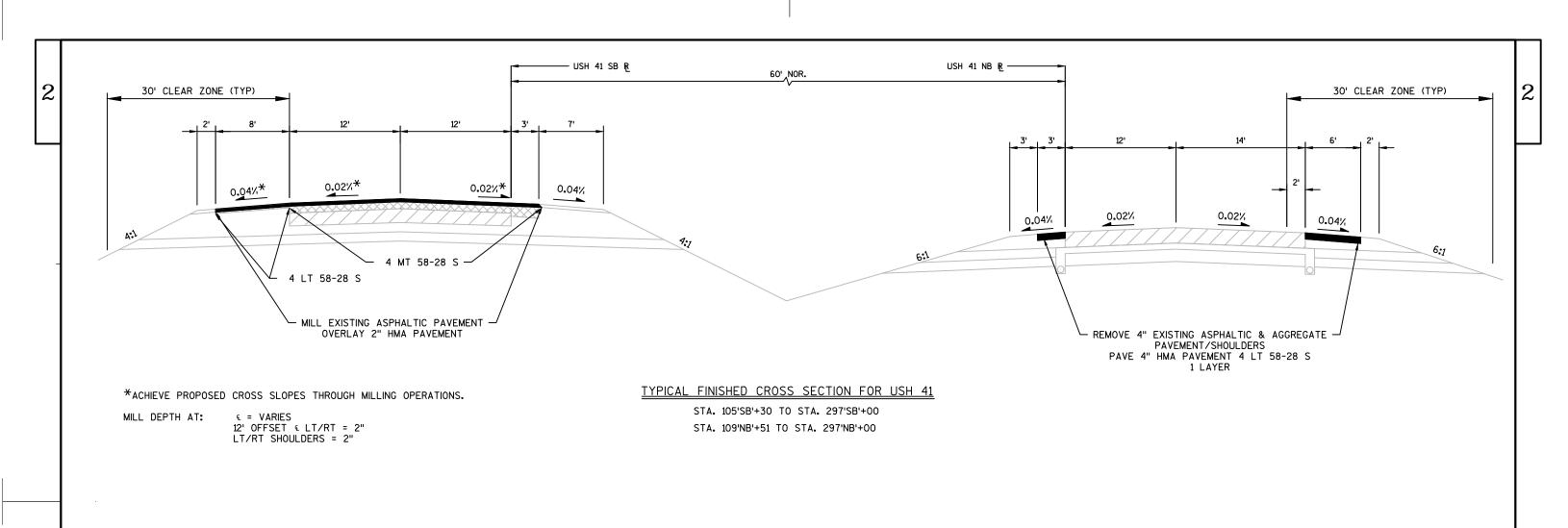
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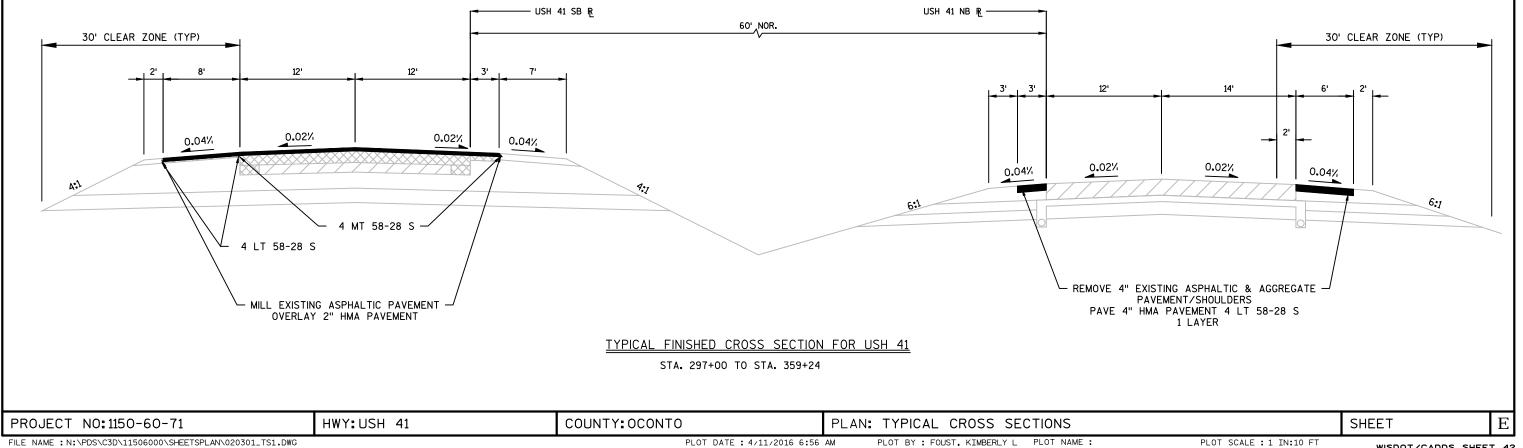








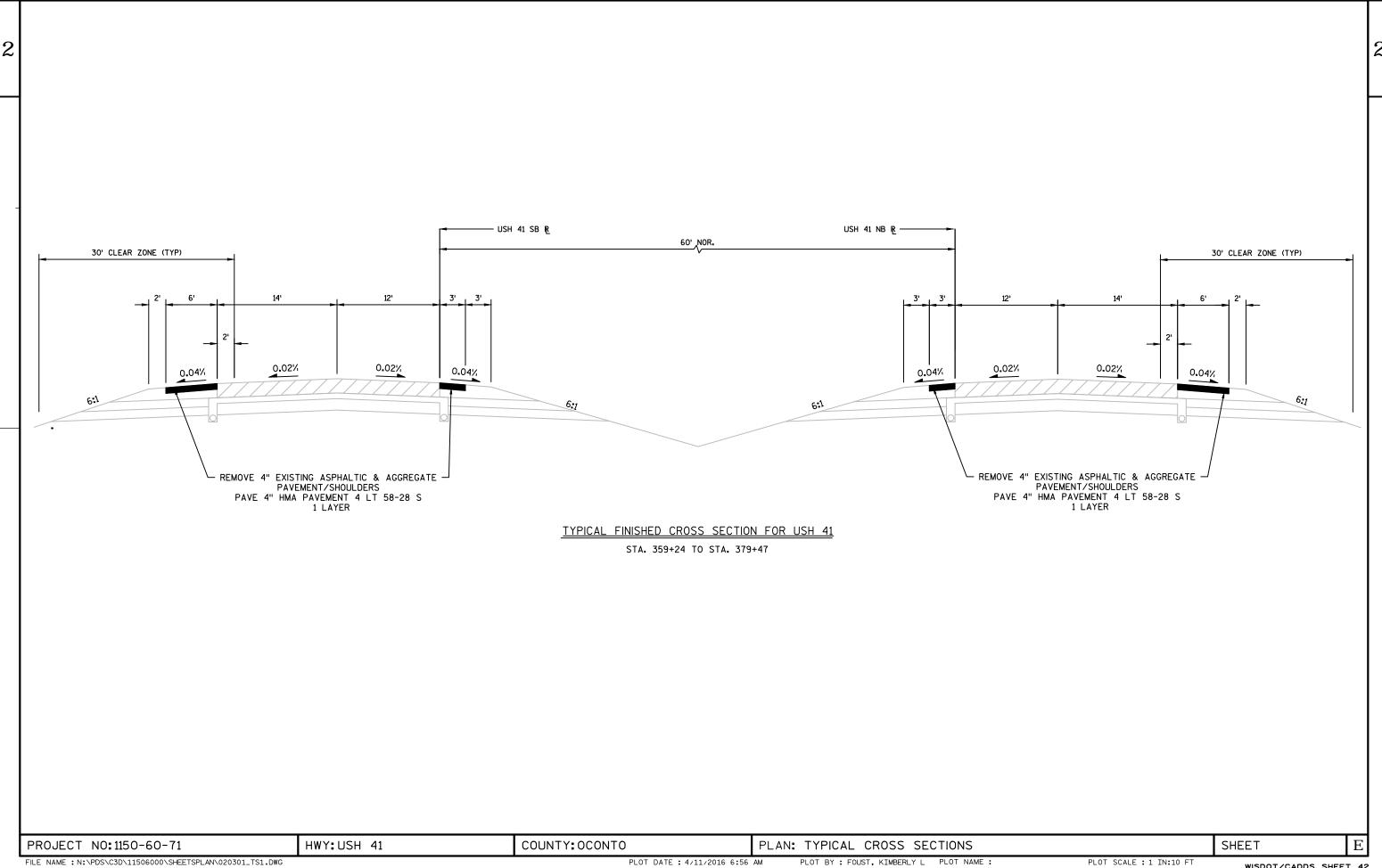


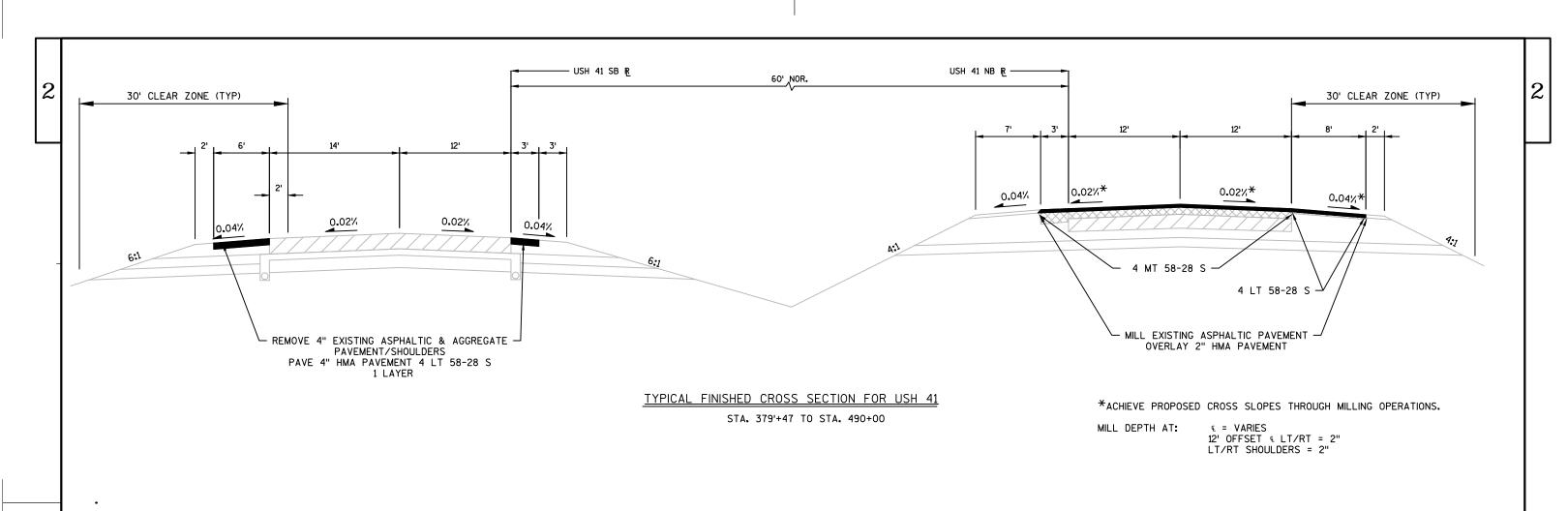


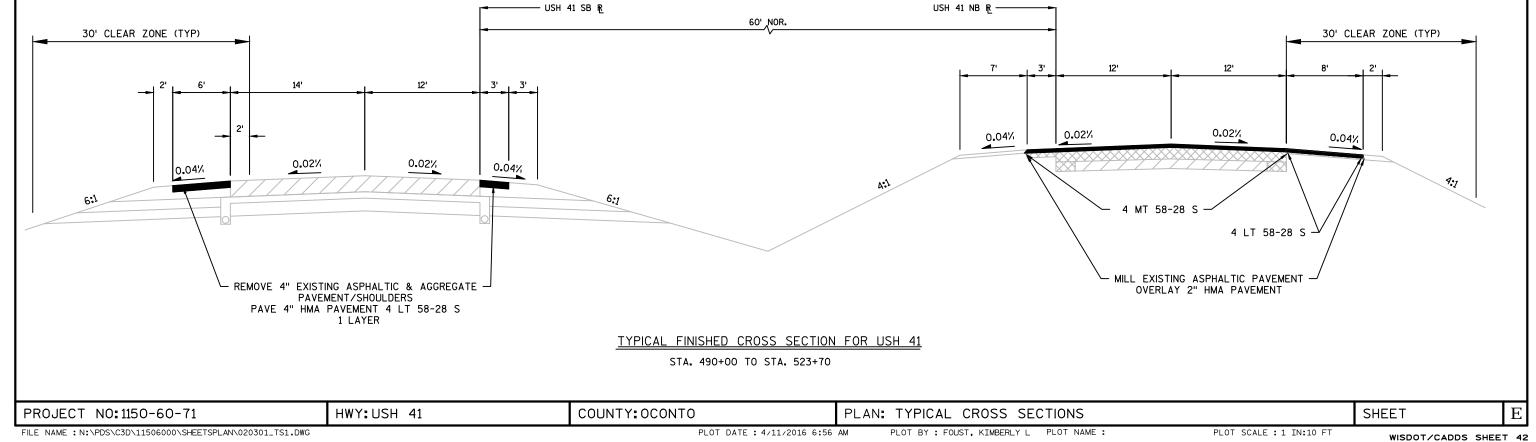
PLOT DATE : 4/11/2016 6:56 AM

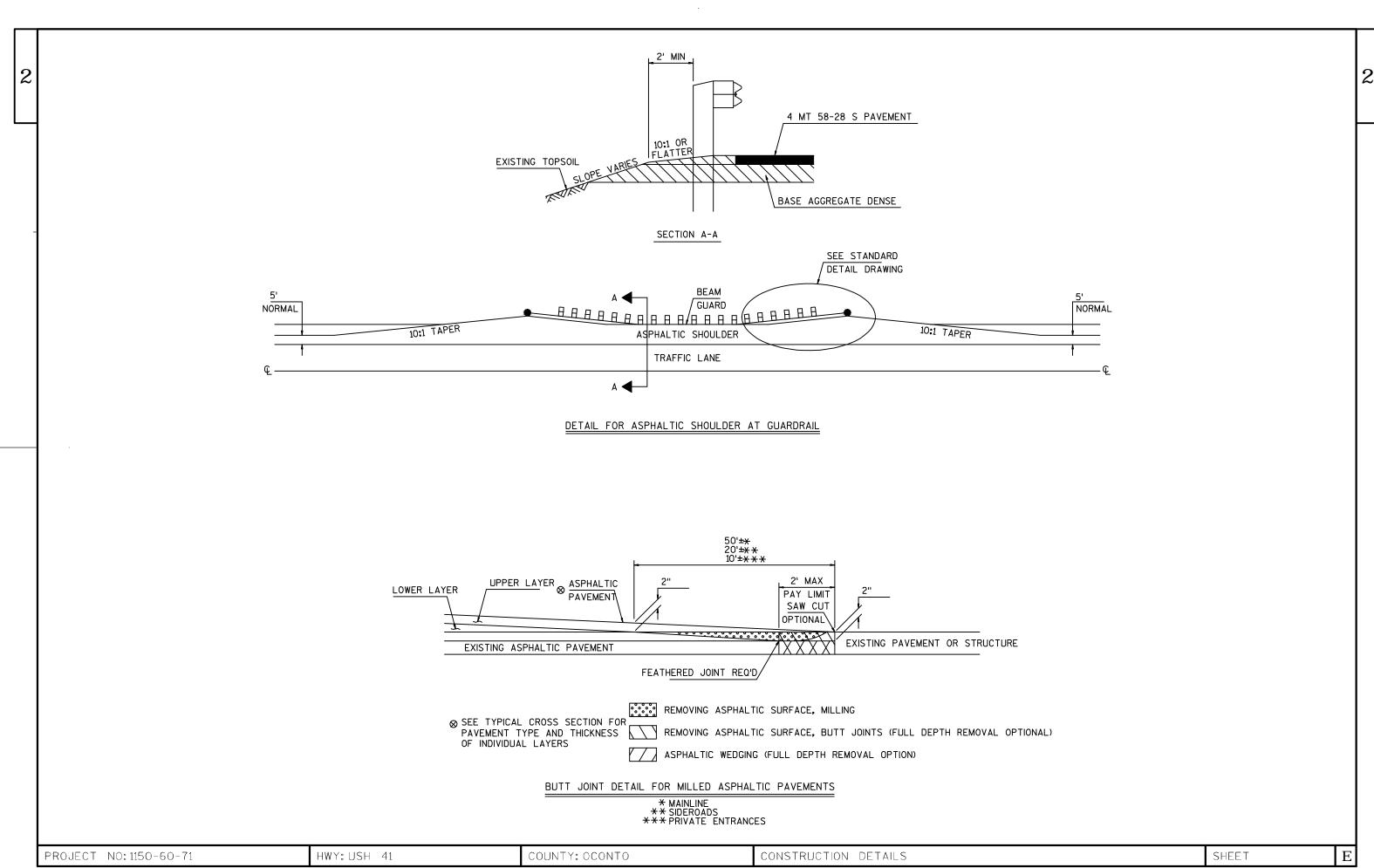
PLOT BY: FOUST, KIMBERLY L PLOT NAME:

PLOT SCALE : 1 IN:10 FT

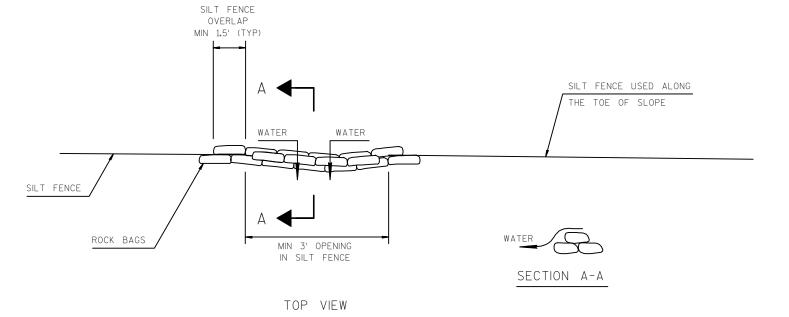






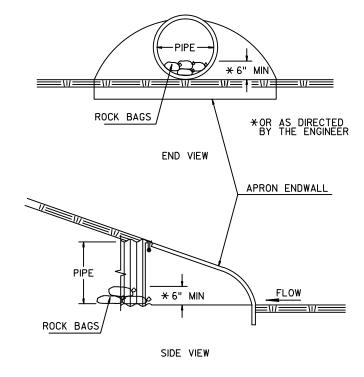




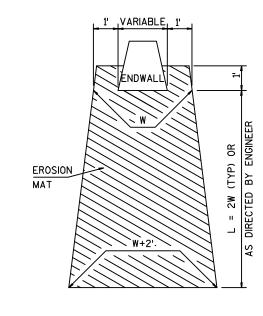


ROCK BAGS USED FOR SILT FENCE RELIEF DETAIL

PAID AS ROCK BAGS



CULVERT PIPE CHECKS



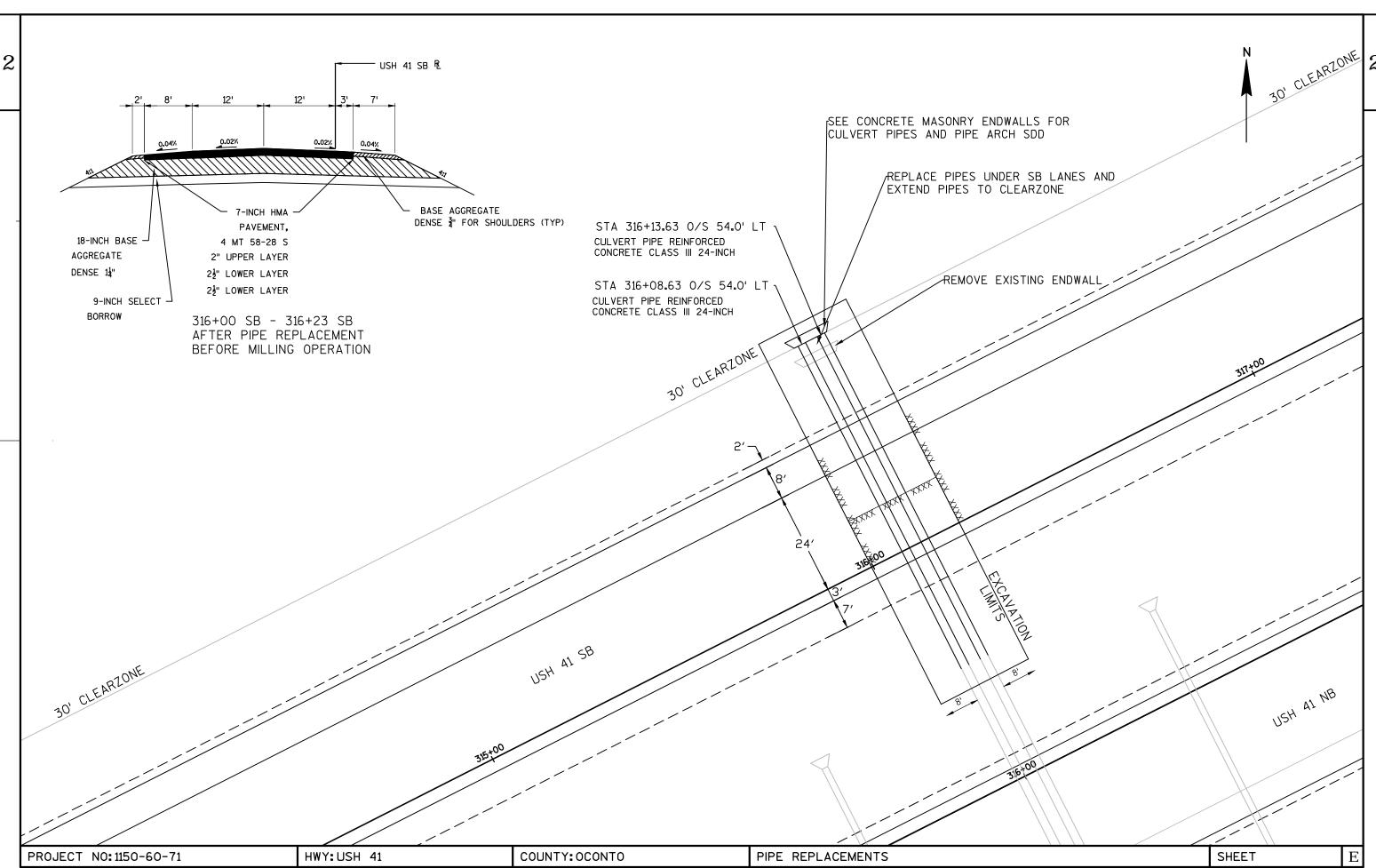
EROSION MAT TREATMENT AT CULVERTS

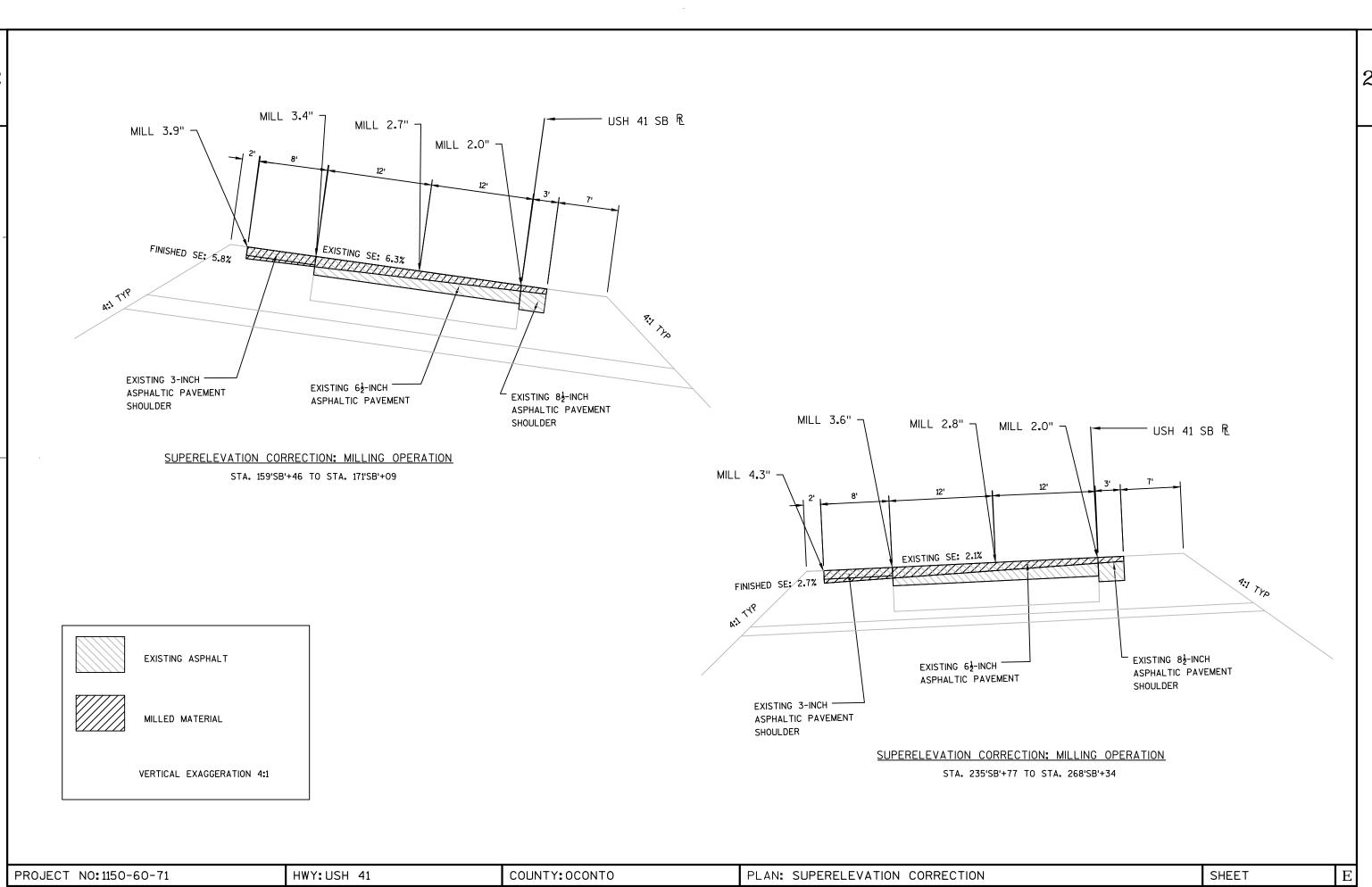
PROJECT NO:1150-60-71 HWY:USH 41 COUNTY:OCONTO CONSTRUCTION DETAILS SHEET **E**

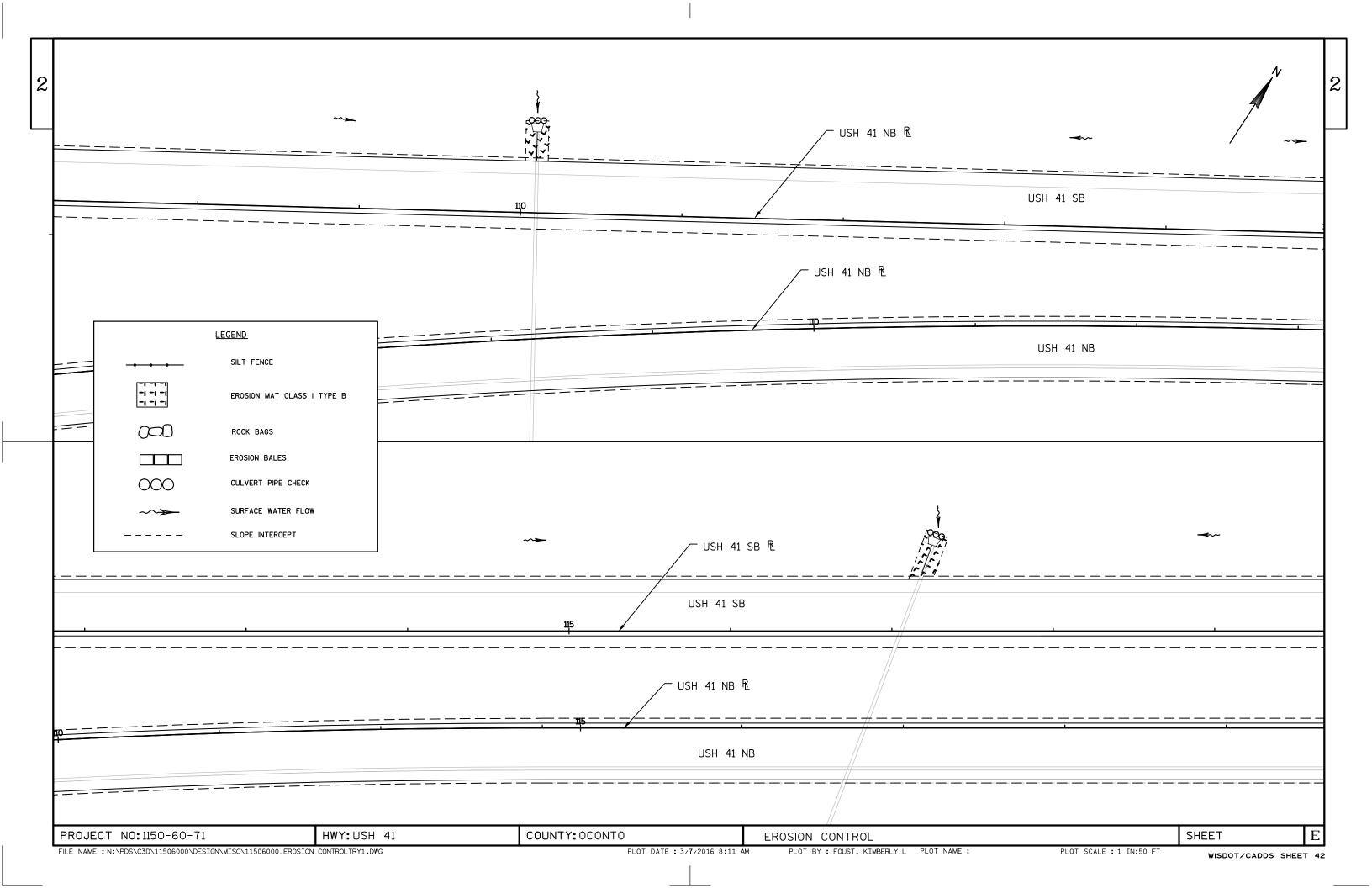
FILE NAME : N:\PDS\C3D\11506000\SHEETSPLAN\NE REGION DETS.DWG PLOT DATE : 1/26/2016 2:41 PM PLOT BY : FOUST, KIMBERLY L PLOT NAME : WISDO I/CADDS SHEET 42

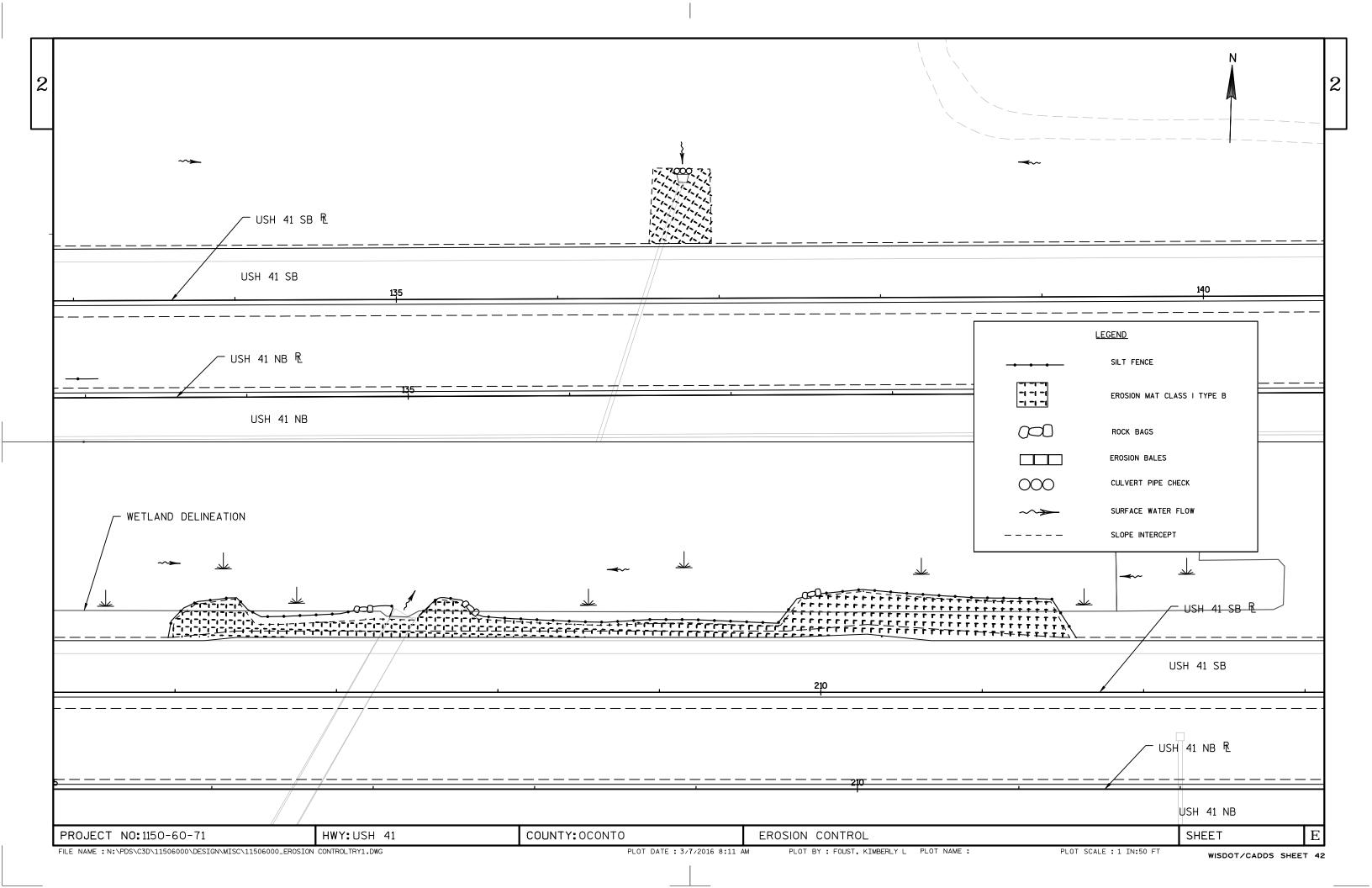
SILT FENCE ROAD SIDE OPENING 12" MIN 18" MAX SILT FENCE 30" MIN FENCEHEIGHT 36" MAX NOTE: SILT FENCE POSTS FOR THE TURN-AROUND SHOULD 4" INCHES BE ON THE OUTSIDE OF THE TURN-AROUND. 10' MIN PLAN VIEW SILT FENCE TURN-AROUND DETAIL HWY: USH 41 COUNTY: OCONTO SHEET PROJECT NO: 1150-60-71 CONSTRUCTION DETAILS

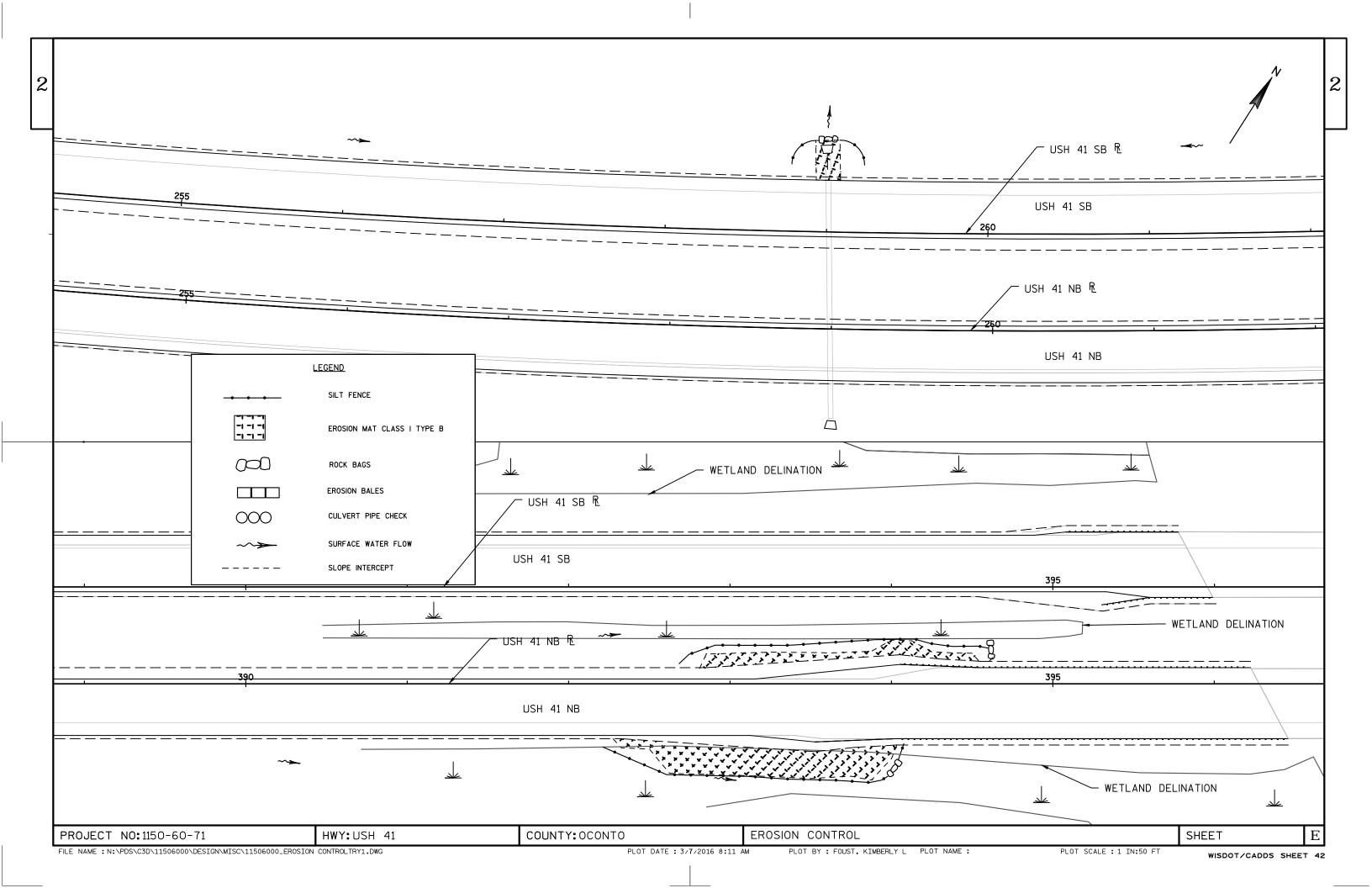
FILE NAME : N:\PDS\C3D\11506000\SHEETSPLAN\NE REGION DETS.DWG PLOT DATE : 1/26/2016 2:41 PM PLOT BY : FOUST, KIMBERLY L PLOT NAME : PLOT SCALE : WISDOT/CADDS SHEET 42

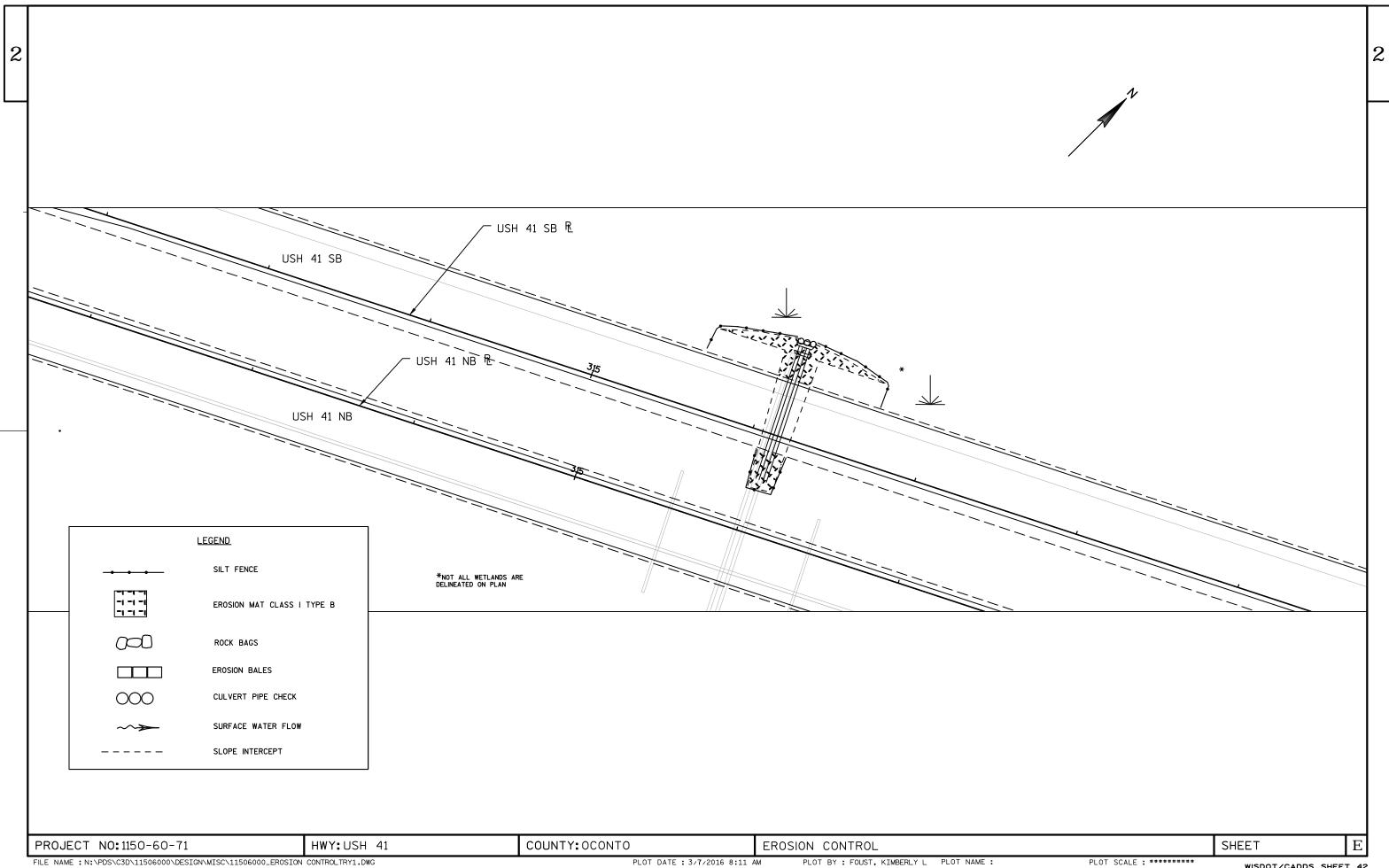


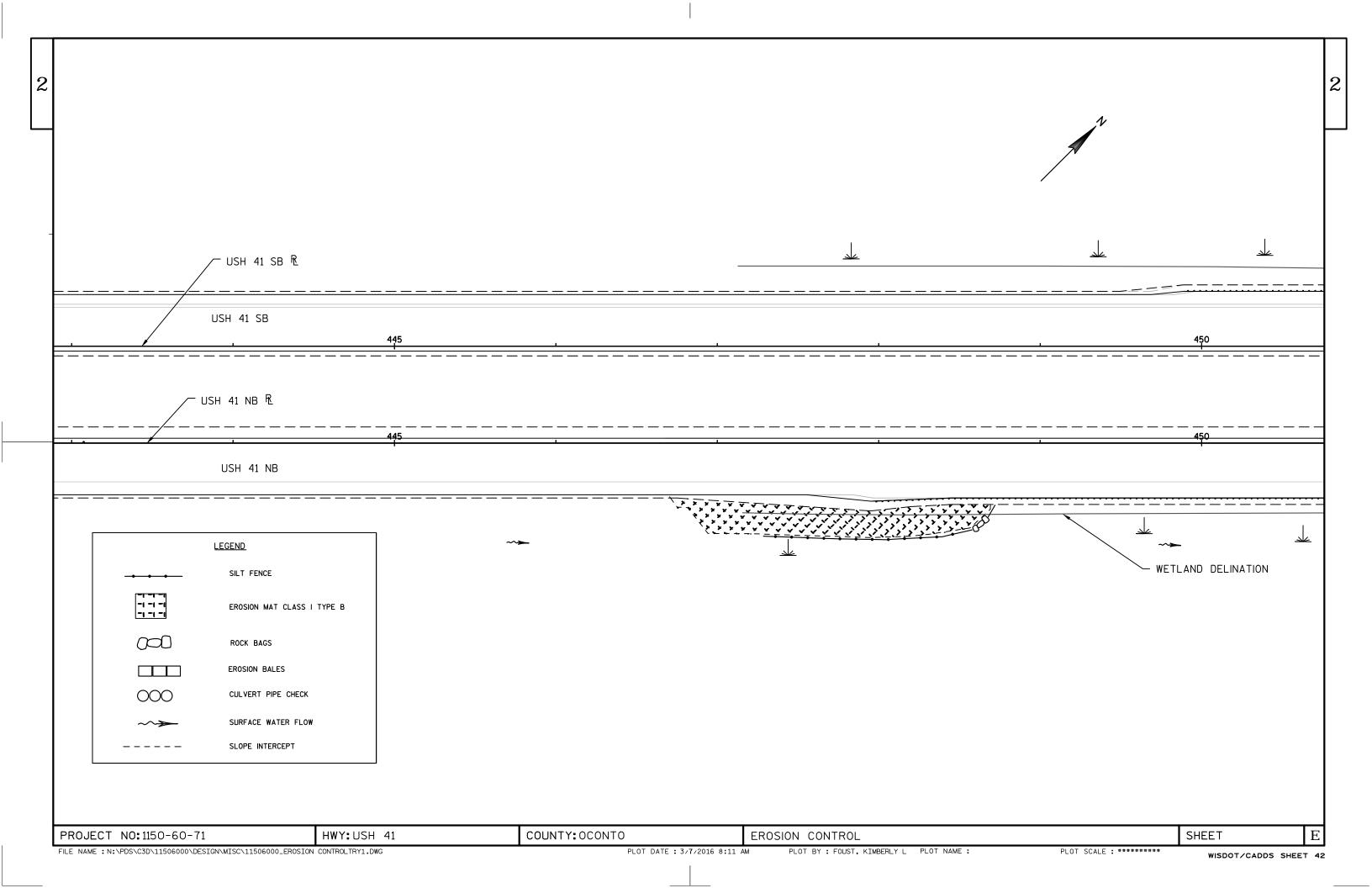


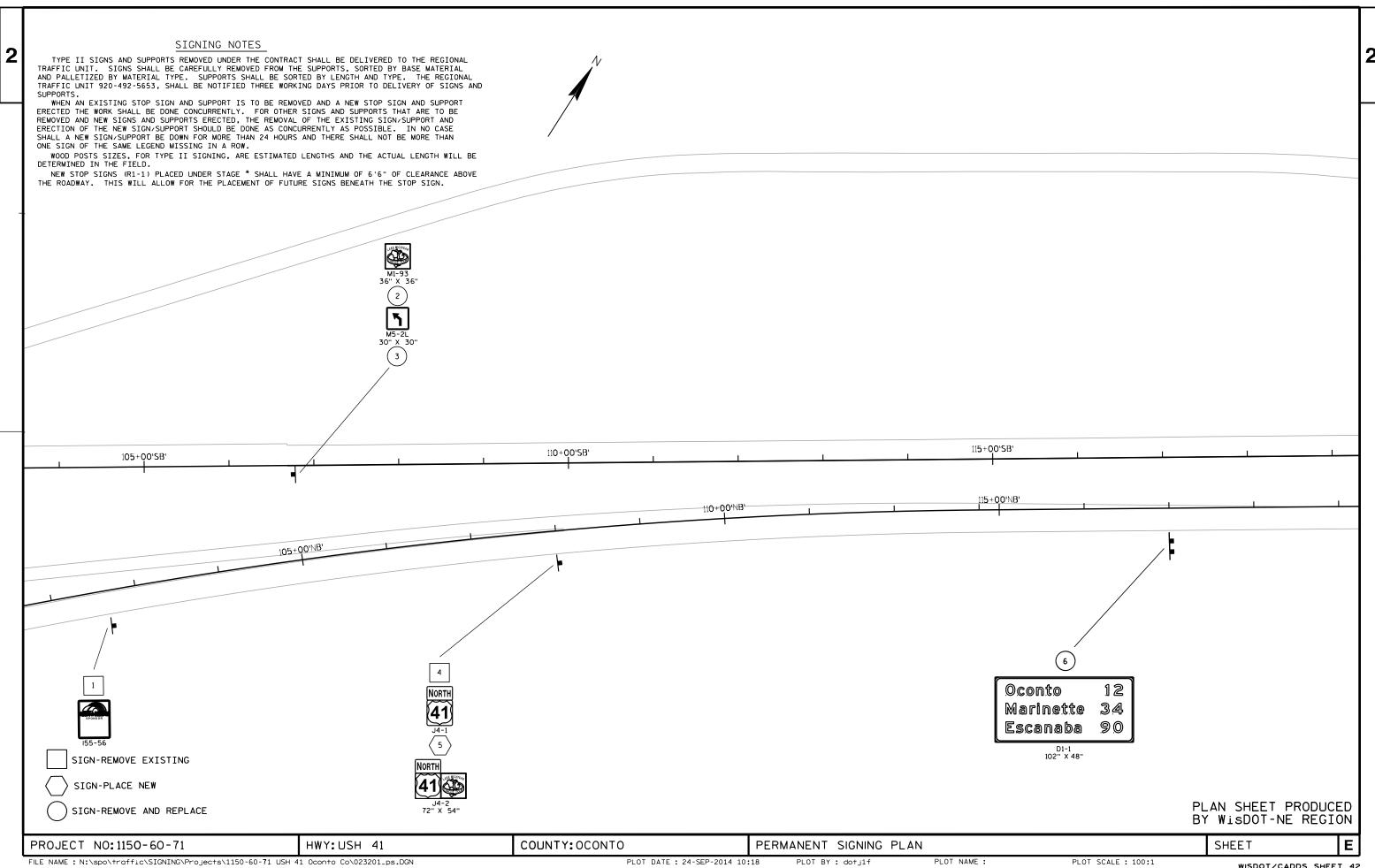


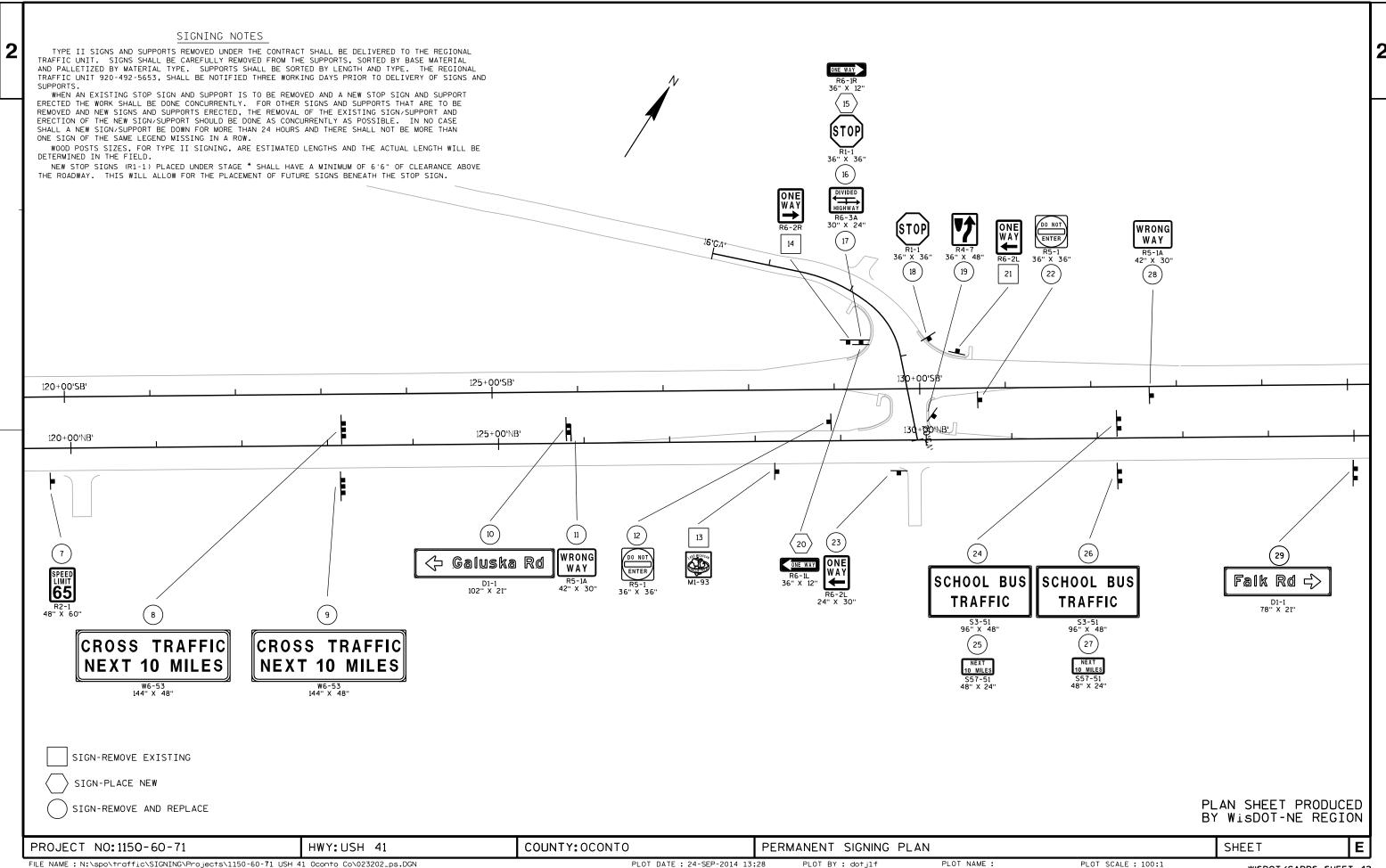


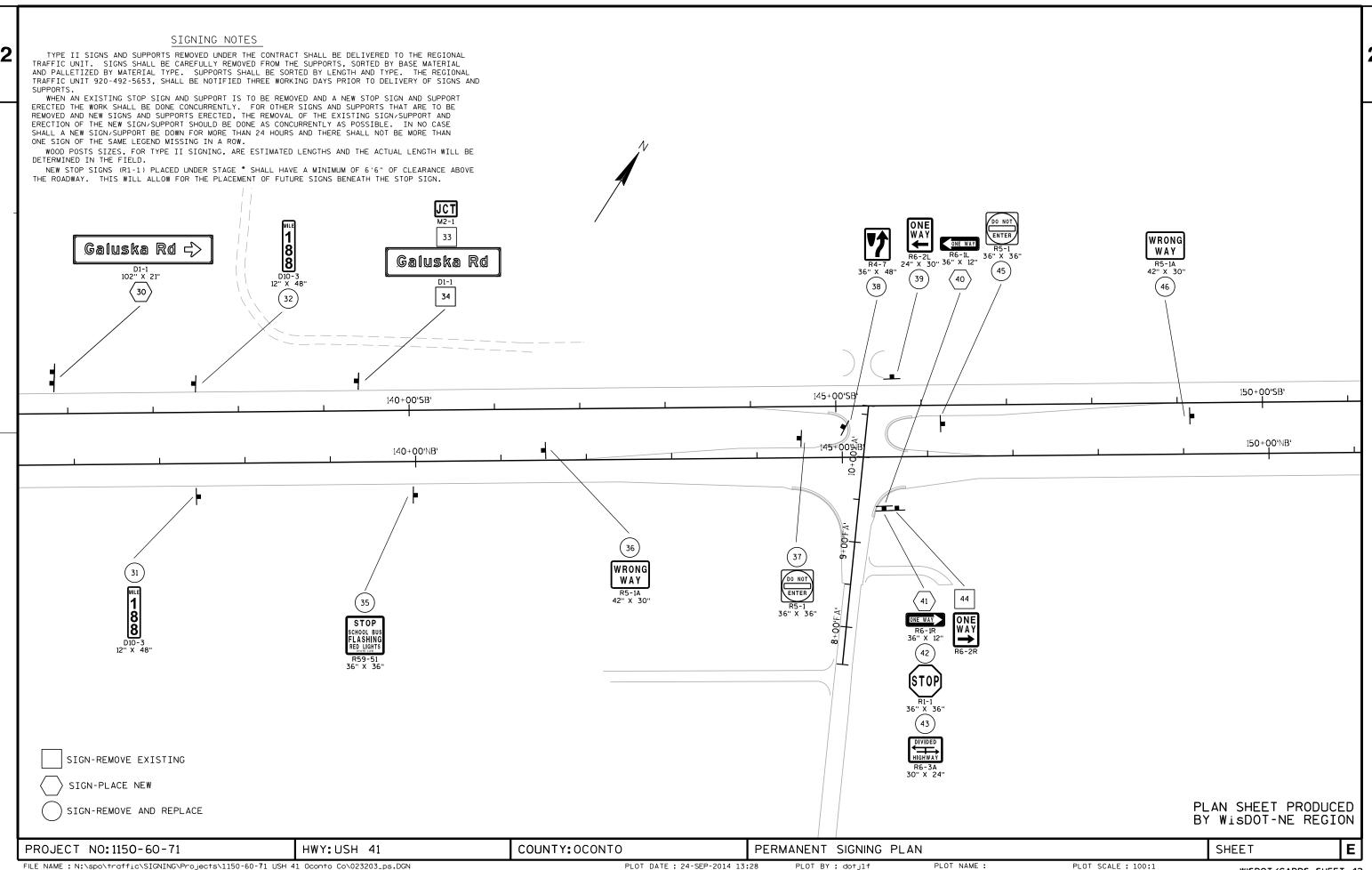


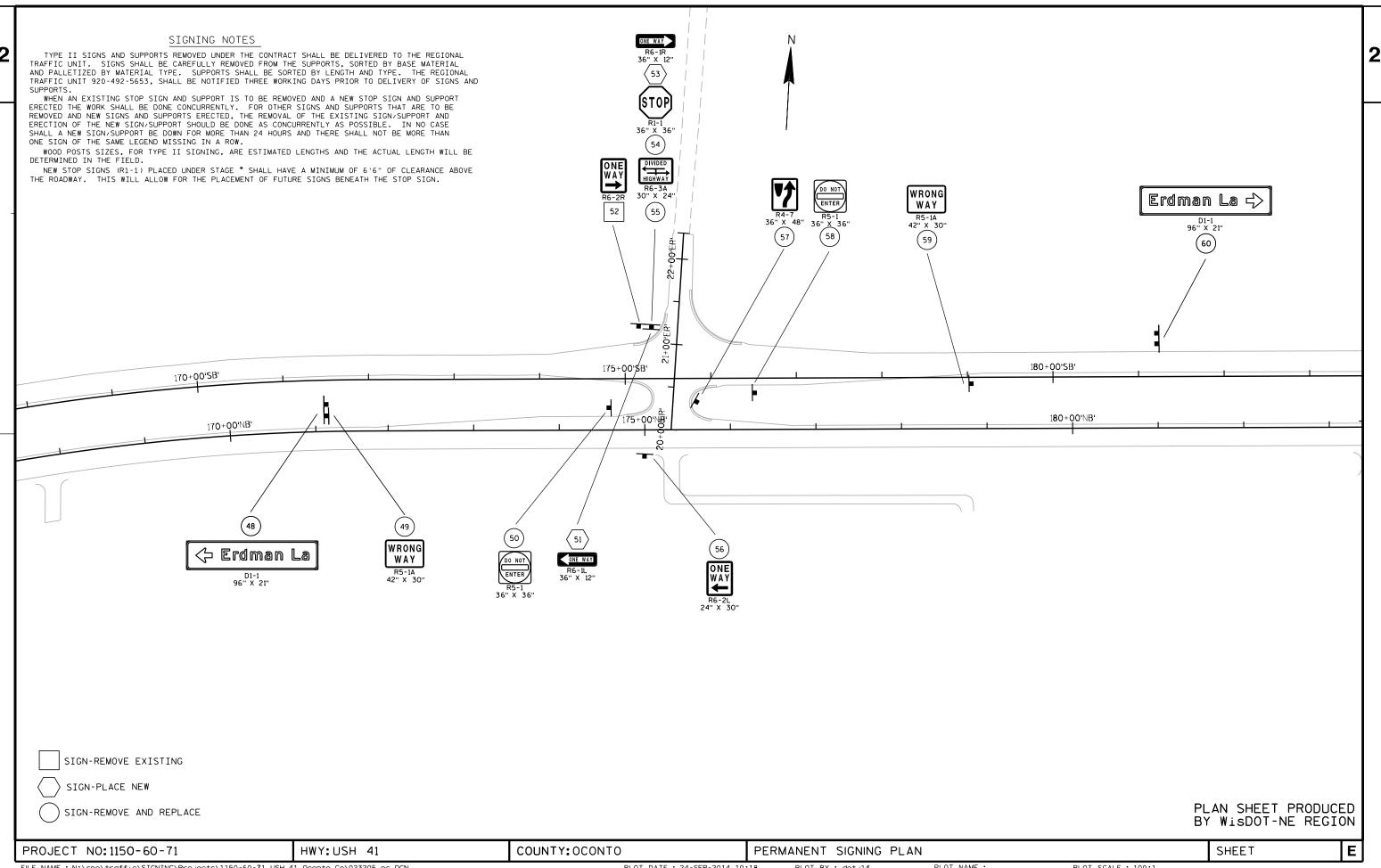














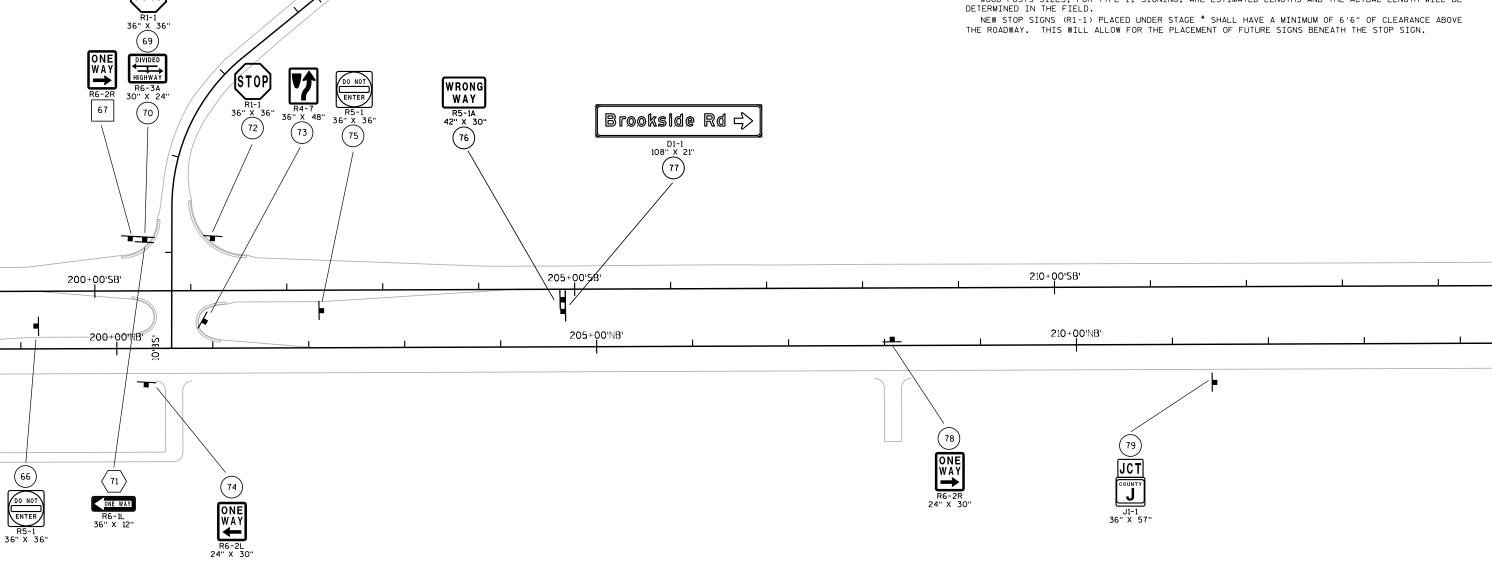
SIGNING NOTES

TYPE II SIGNS AND SUPPORTS REMOVED UNDER THE CONTRACT SHALL BE DELIVERED TO THE REGIONAL TRAFFIC UNIT. SIGNS SHALL BE CAREFULLY REMOVED FROM THE SUPPORTS, SORTED BY BASE MATERIAL AND PALLETIZED BY MATERIAL TYPE. SUPPORTS SHALL BE SORTED BY LENGTH AND TYPE. THE REGIONAL TRAFFIC UNIT 920-492-5653, SHALL BE NOTIFIED THREE WORKING DAYS PRIOR TO DELIVERY OF SIGNS AND

SUPPORTS.

WHEN AN EXISTING STOP SIGN AND SUPPORT IS TO BE REMOVED AND A NEW STOP SIGN AND SUPPORT ERECTED THE WORK SHALL BE DONE CONCURRENTLY. FOR OTHER SIGNS AND SUPPORTS THAT ARE TO BE REMOVED AND NEW SIGNS AND SUPPORTS ERECTED, THE REMOVAL OF THE EXISTING SIGN/SUPPORT AND ERECTION OF THE NEW SIGN/SUPPORT SHOULD BE DONE AS CONCURRENTLY AS POSSIBLE. IN NO CASE SHALL A NEW SIGN/SUPPORT BE DOWN FOR MORE THAN 24 HOURS AND THERE SHALL NOT BE MORE THAN ONLY SIGNS OF THE SAME LECEND MISSING IN A POWER. ONE SIGN OF THE SAME LEGEND MISSING IN A ROW.

WOOD POSTS SIZES, FOR TYPE II SIGNING, ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE



SIGN-REMOVE EXISTING

> SIGN-PLACE NEW

PROJECT NO:1150-60-71

) SIGN-REMOVE AND REPLACE

HWY: USH 41

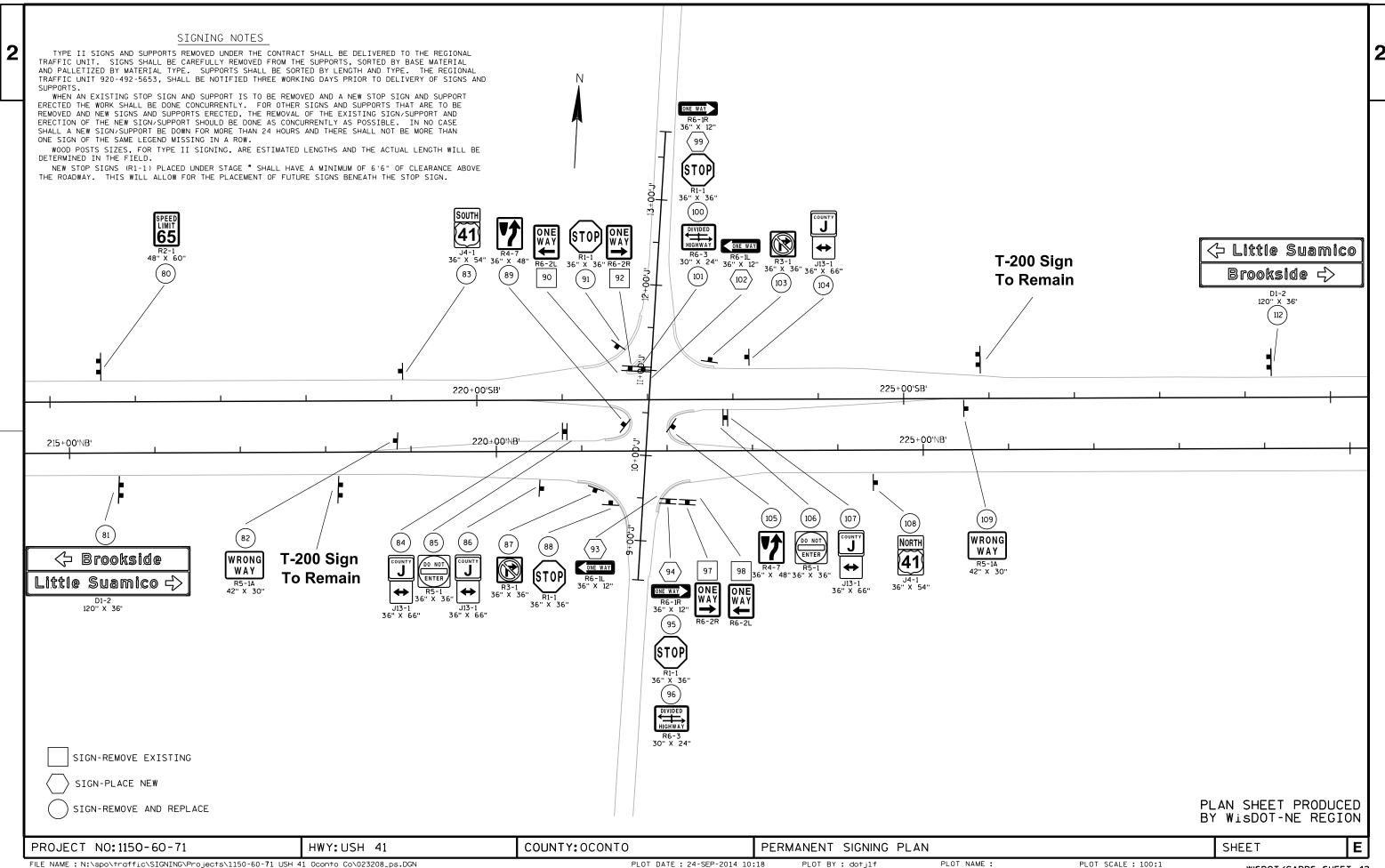
COUNTY: OCONTO

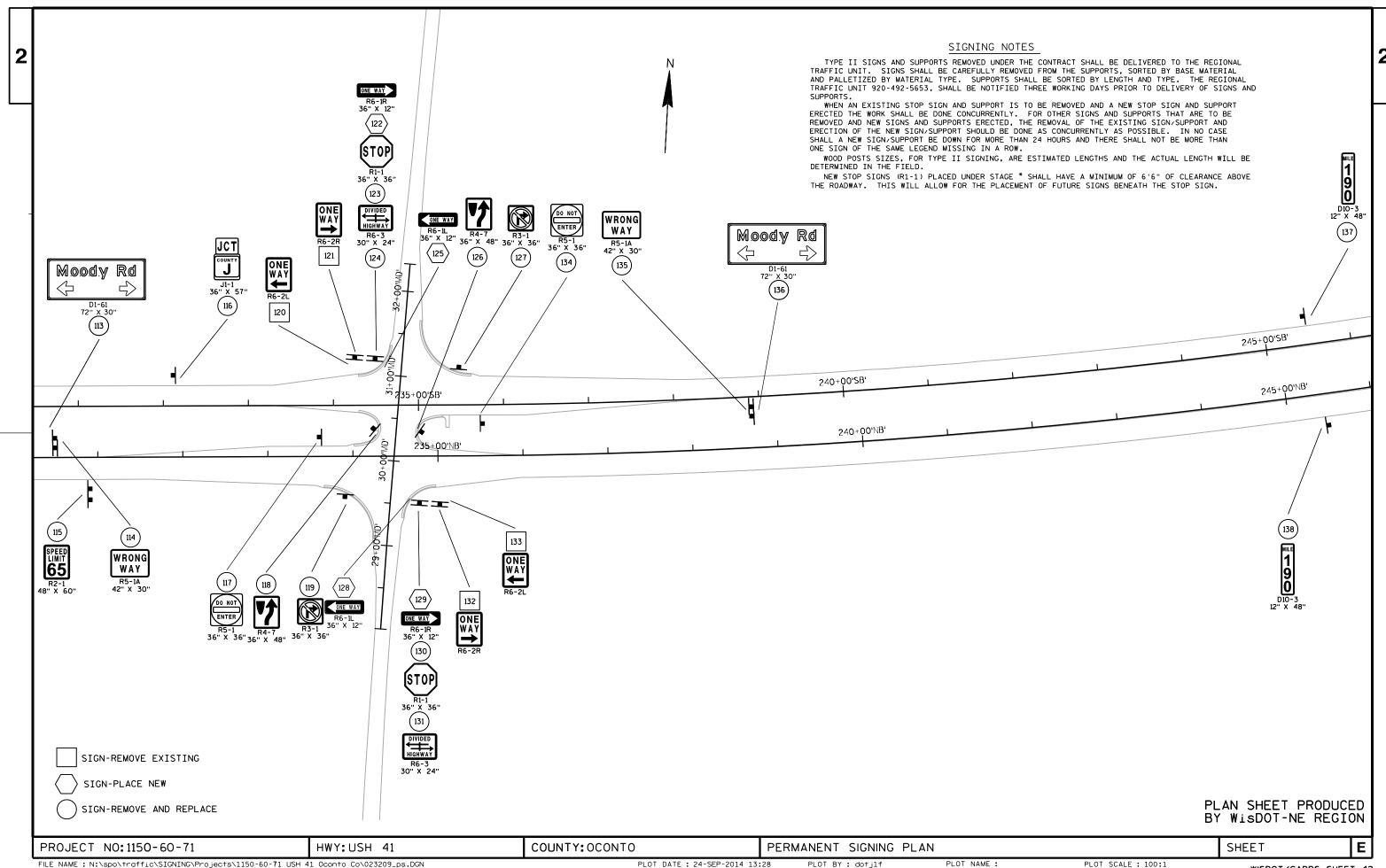
PERMANENT SIGNING PLAN PLOT BY : dotj1f

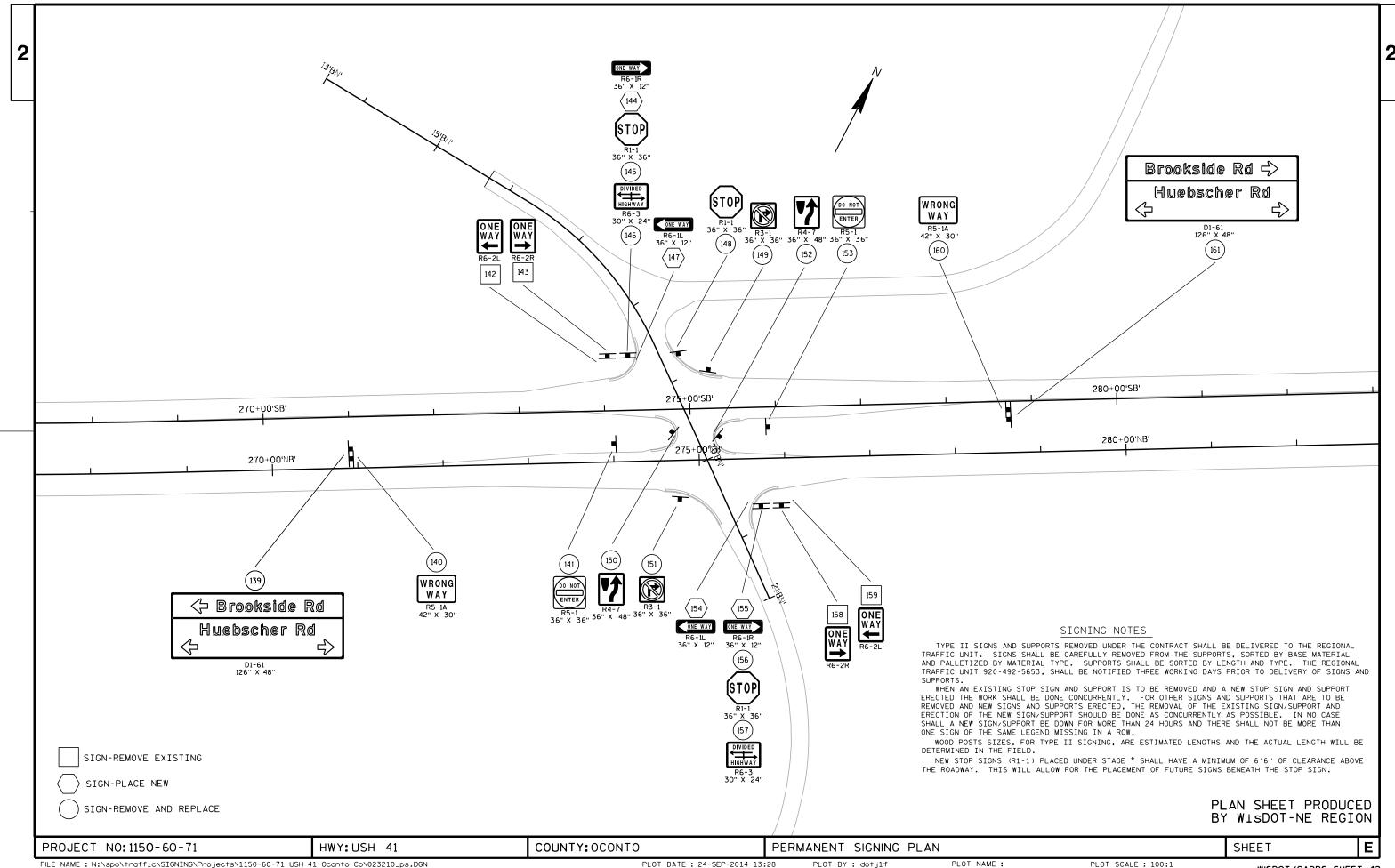
PLOT NAME :

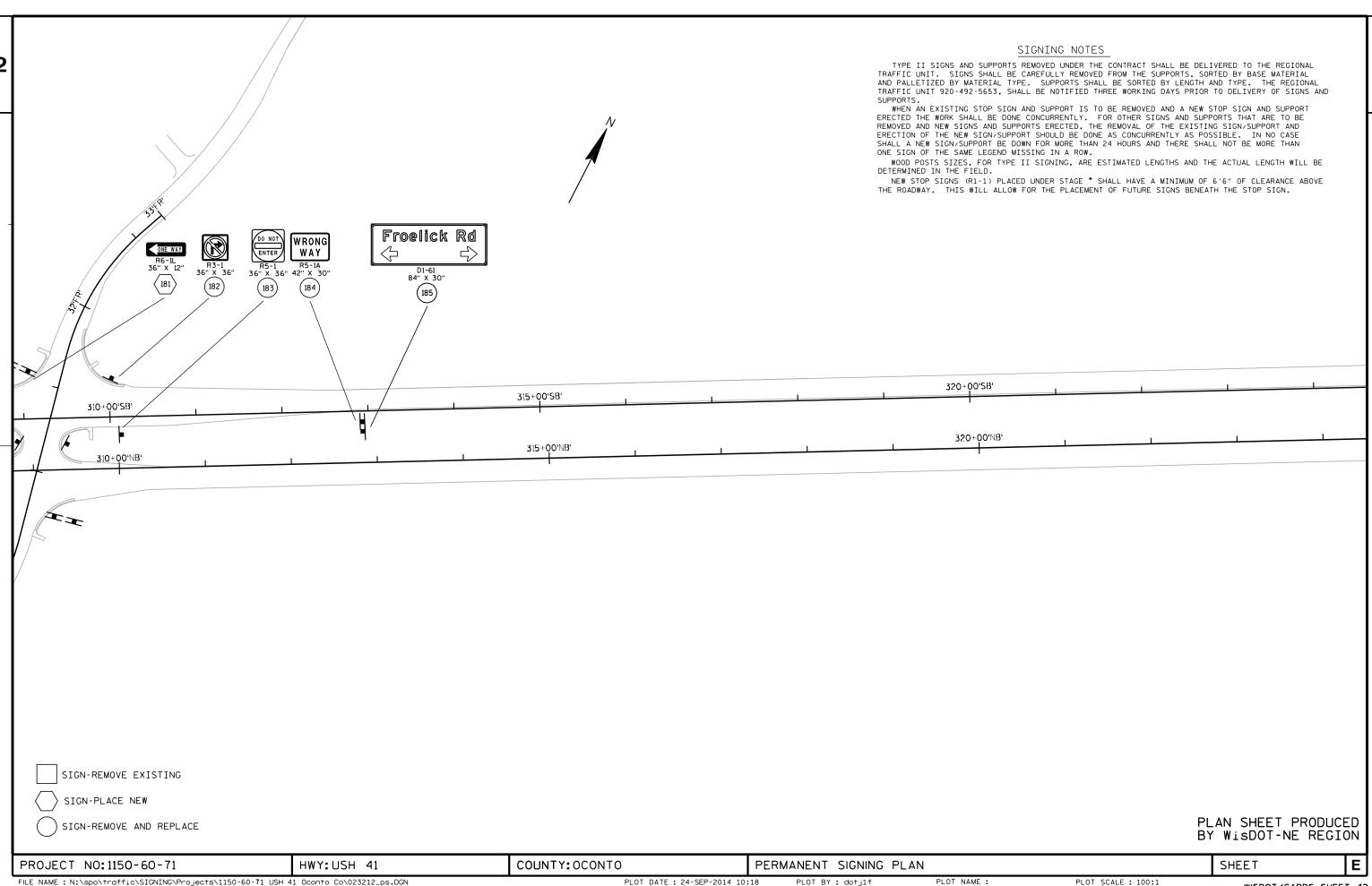
PLAN SHEET PRODUCED BY WisDOT-NE REGION SHEET

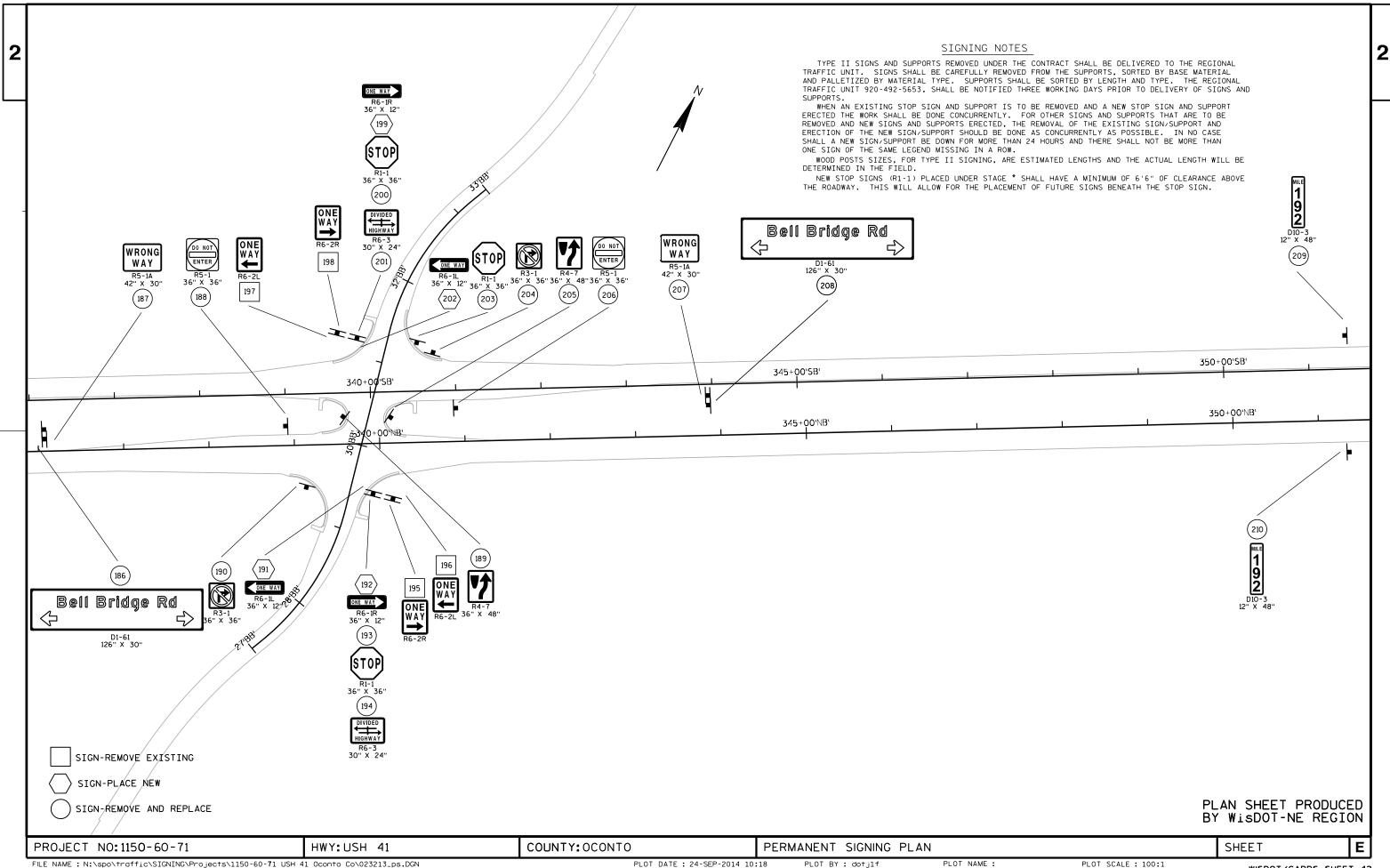
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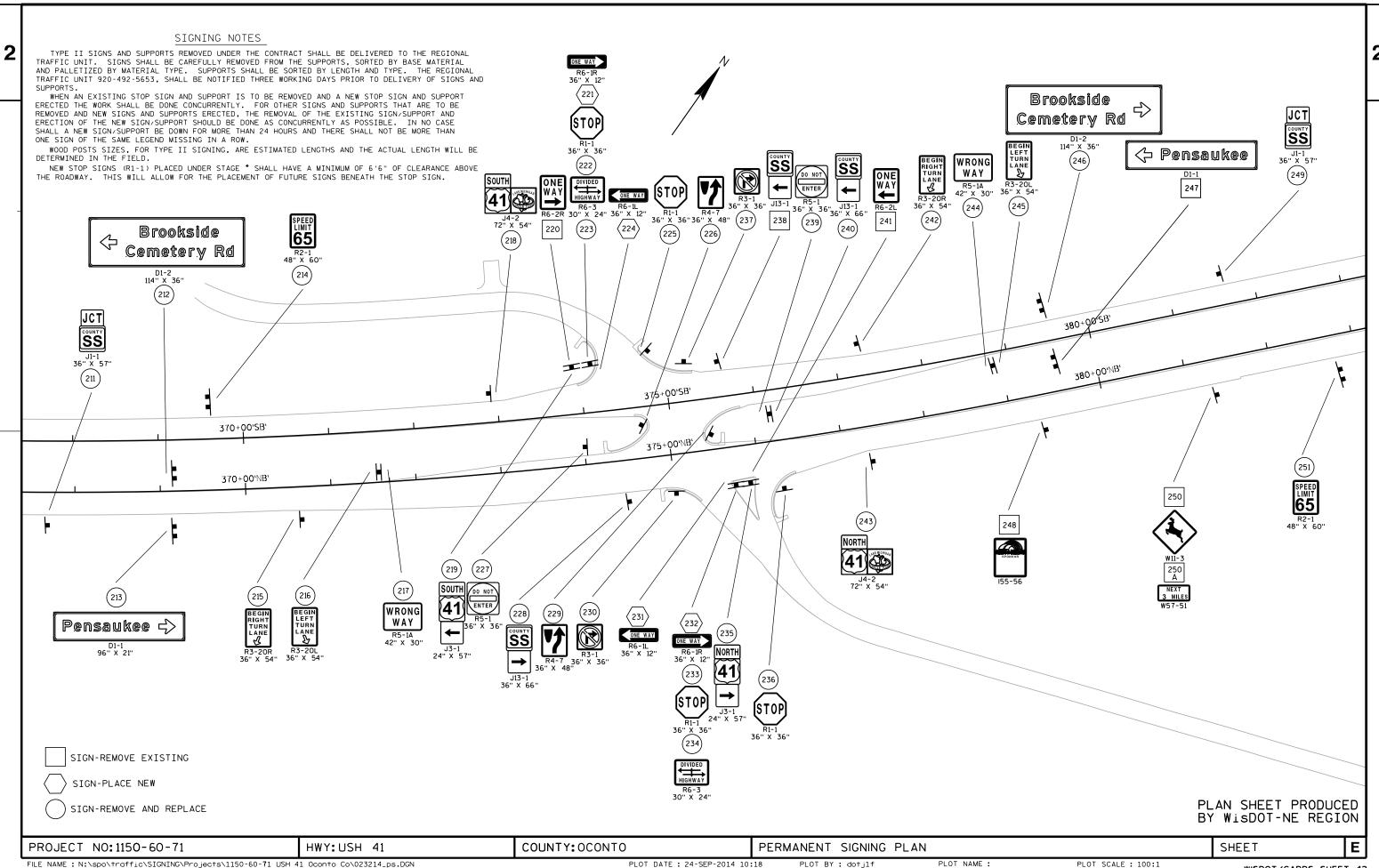


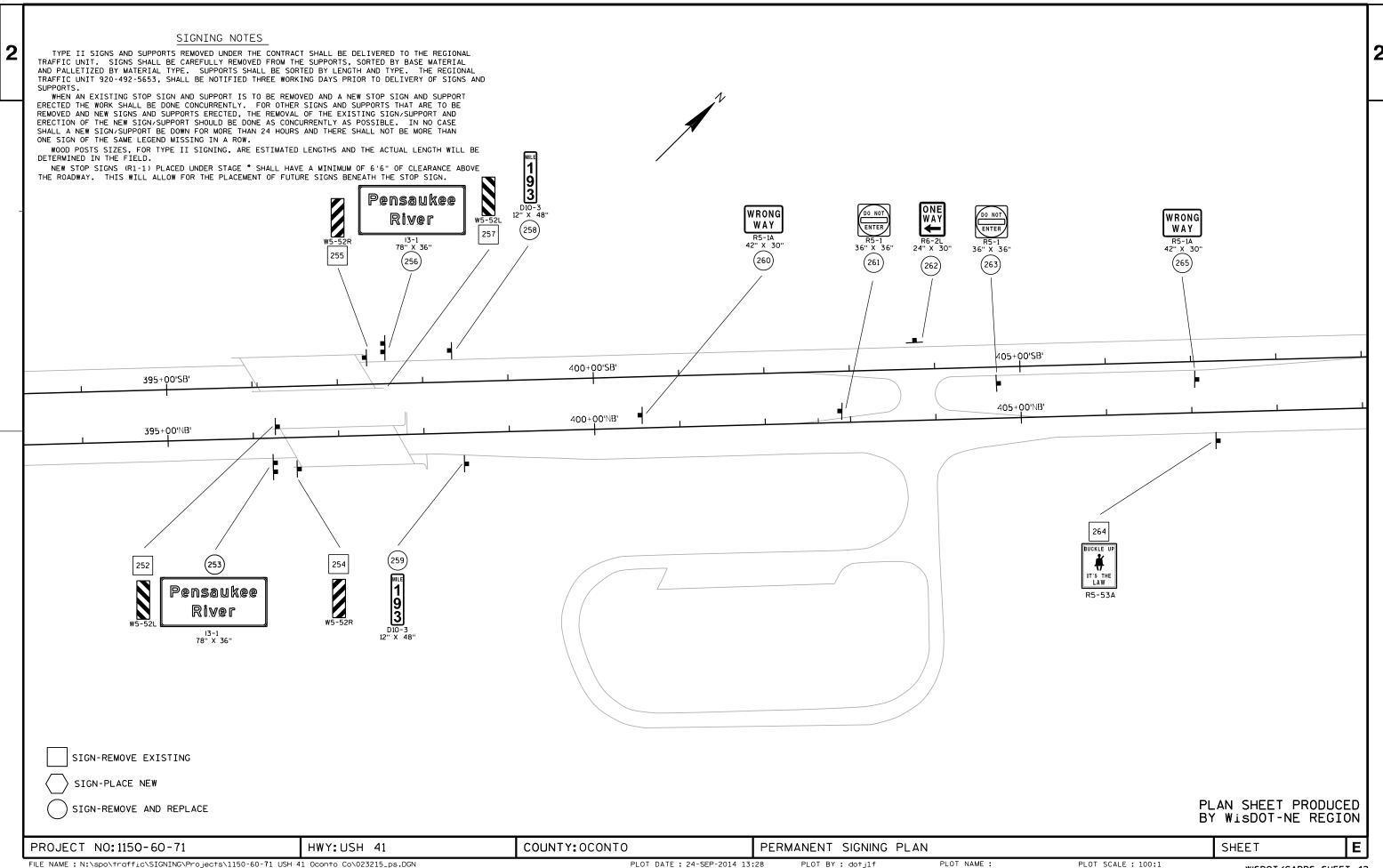


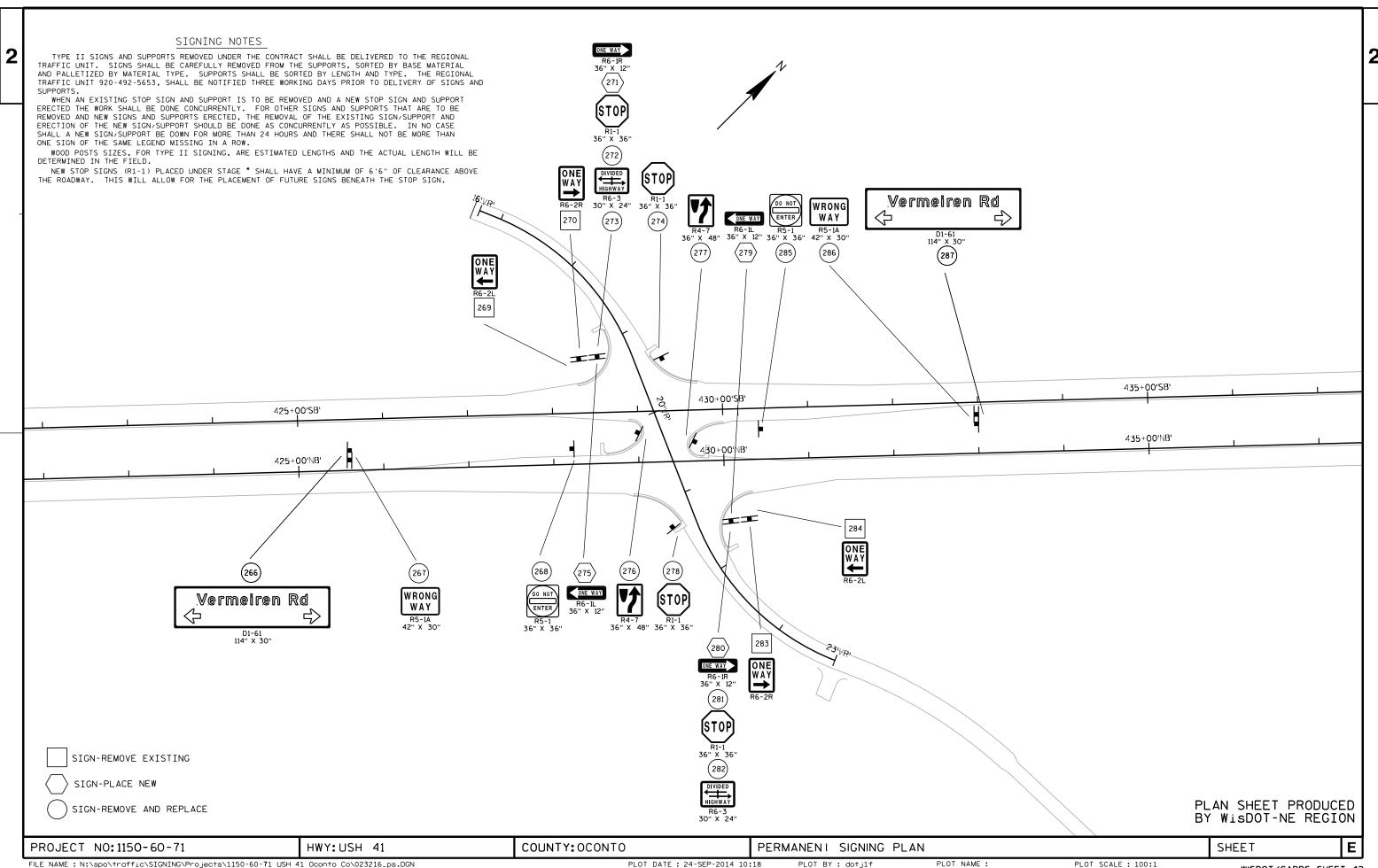


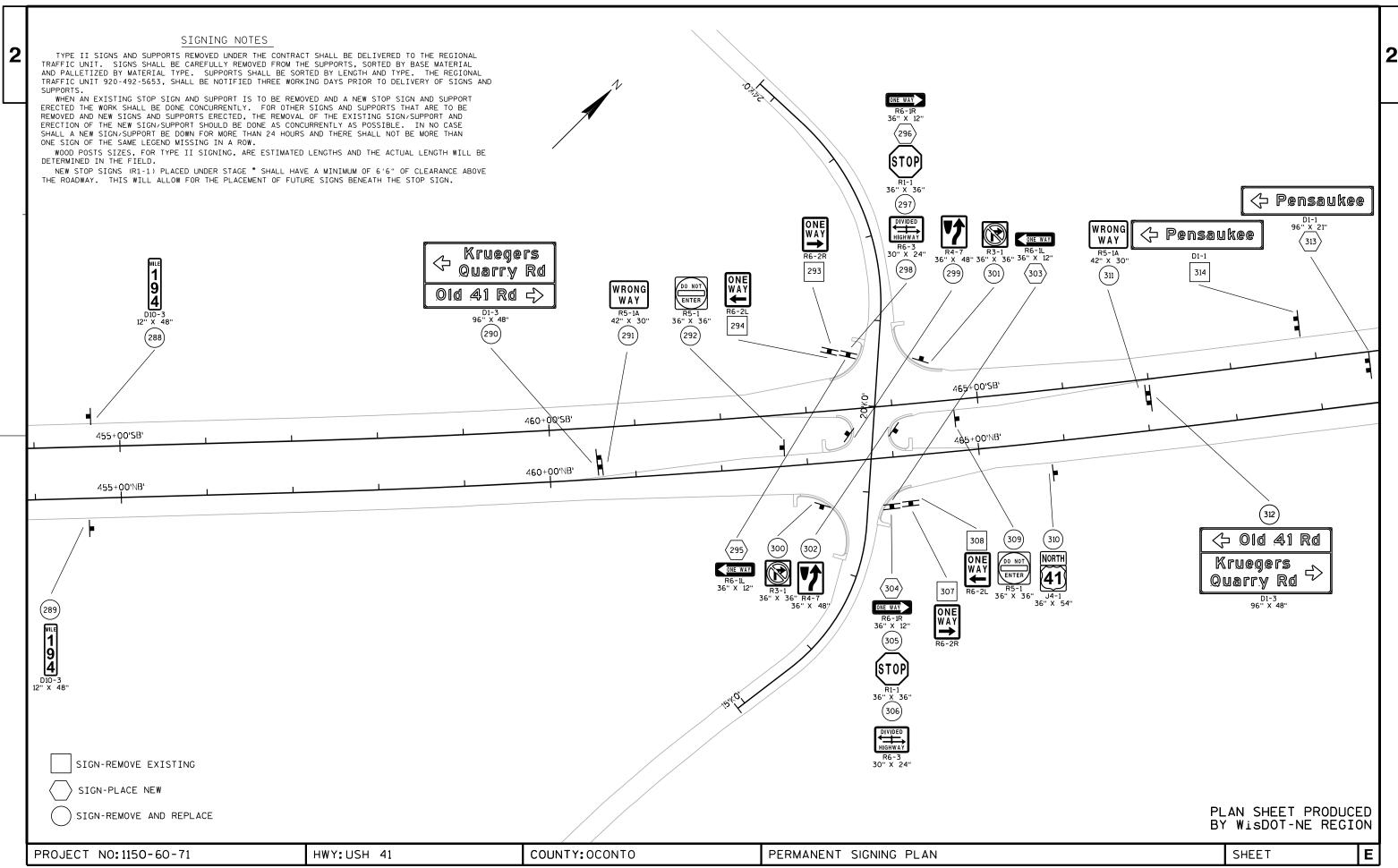


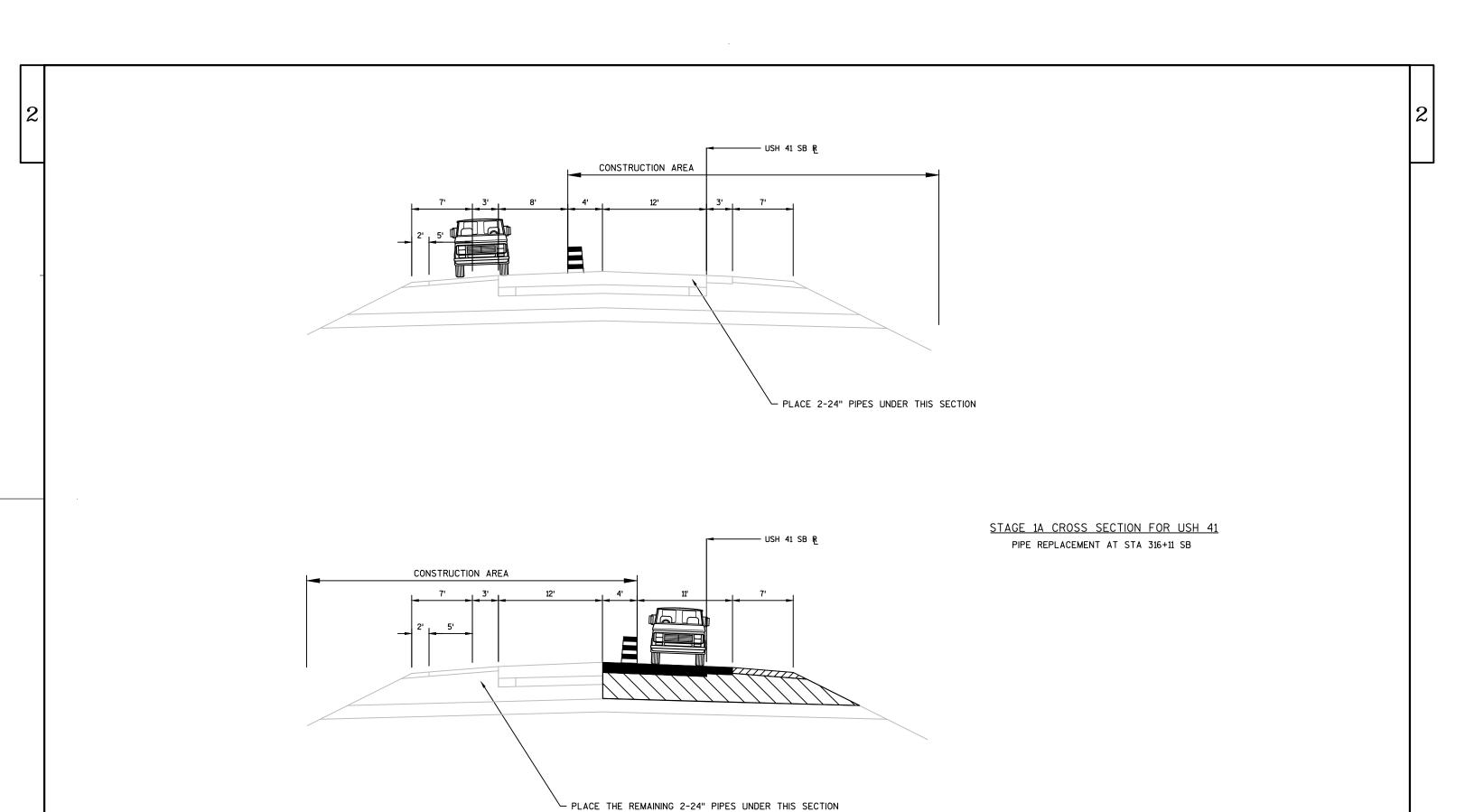




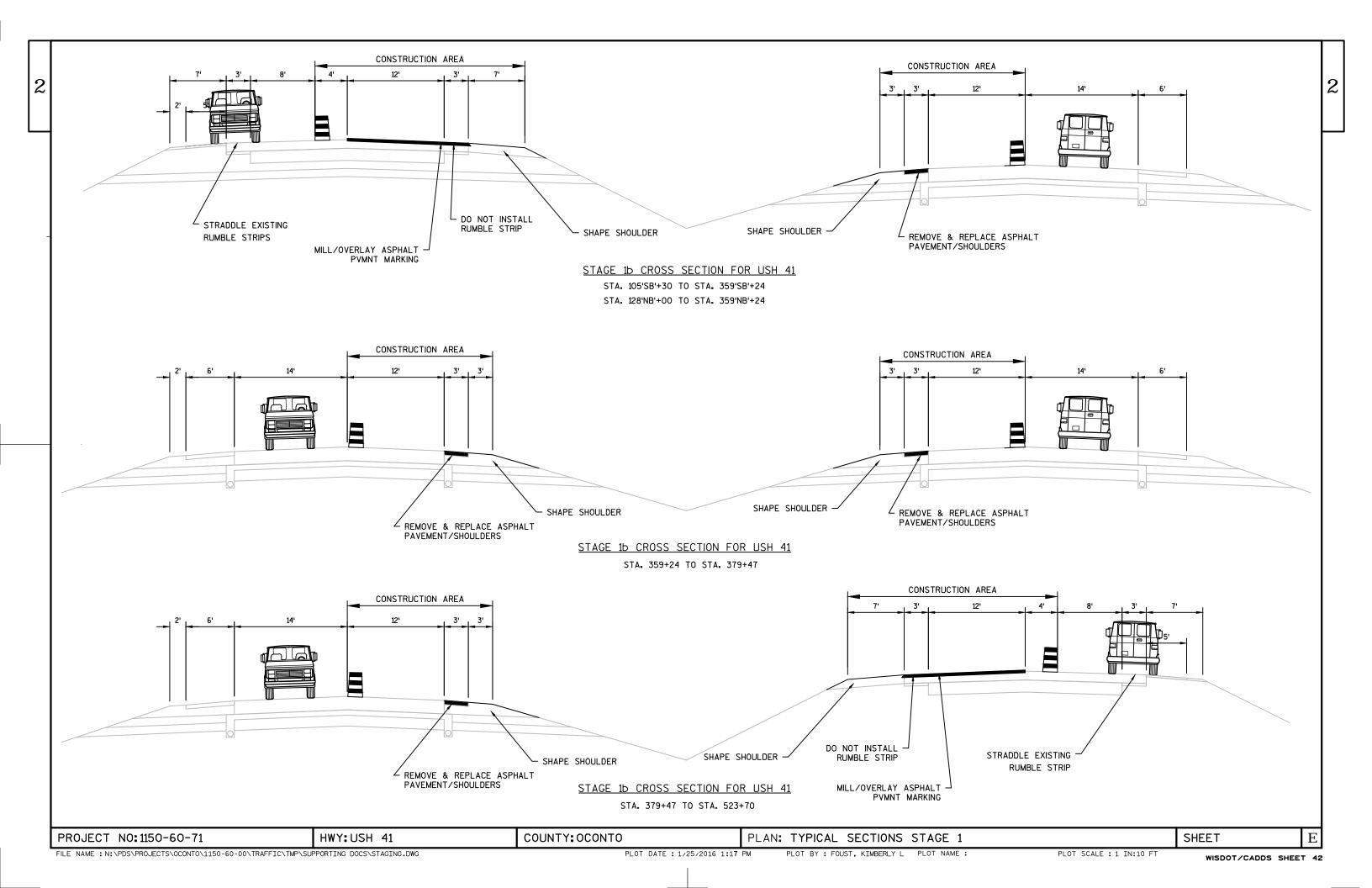


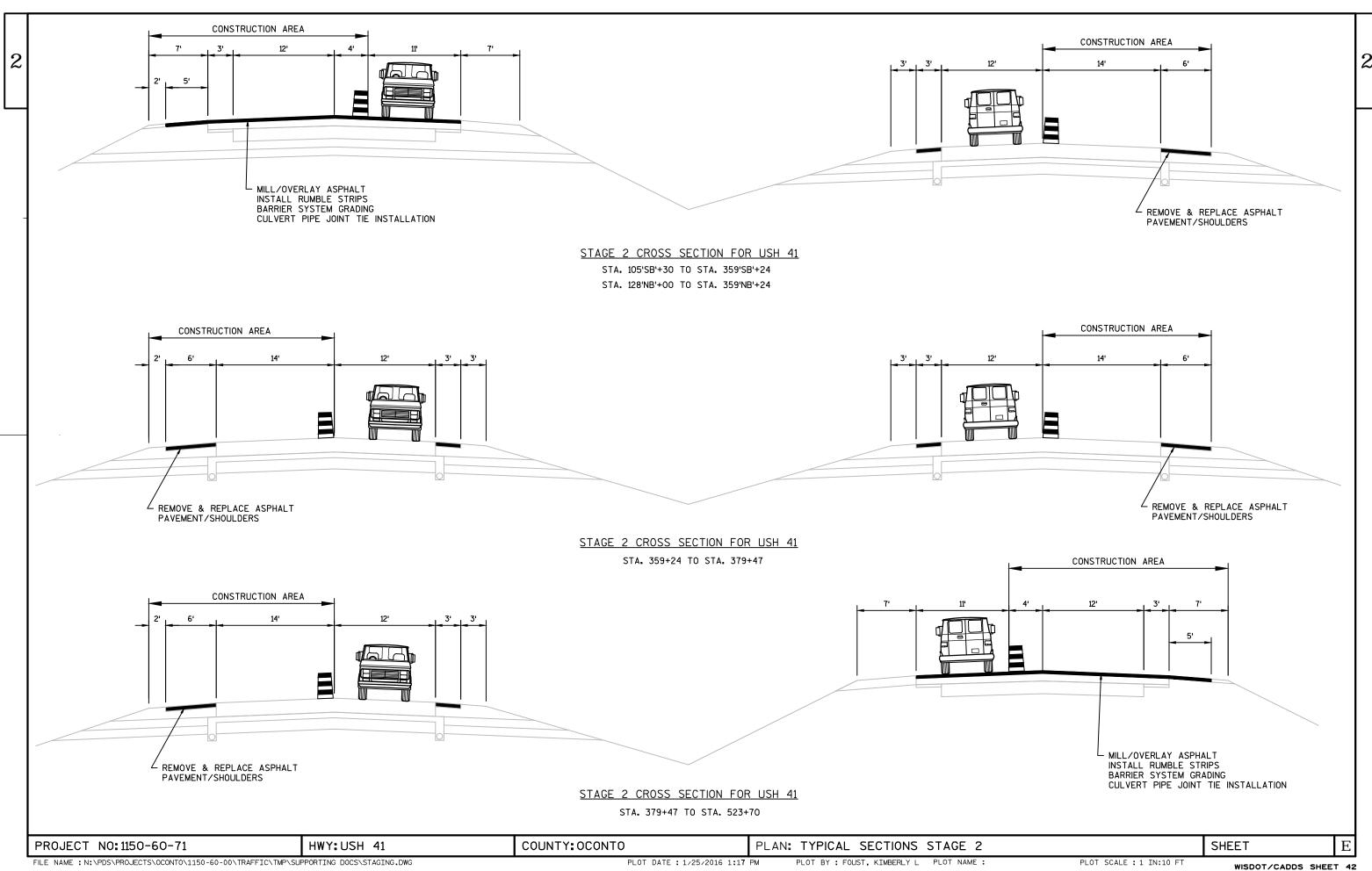


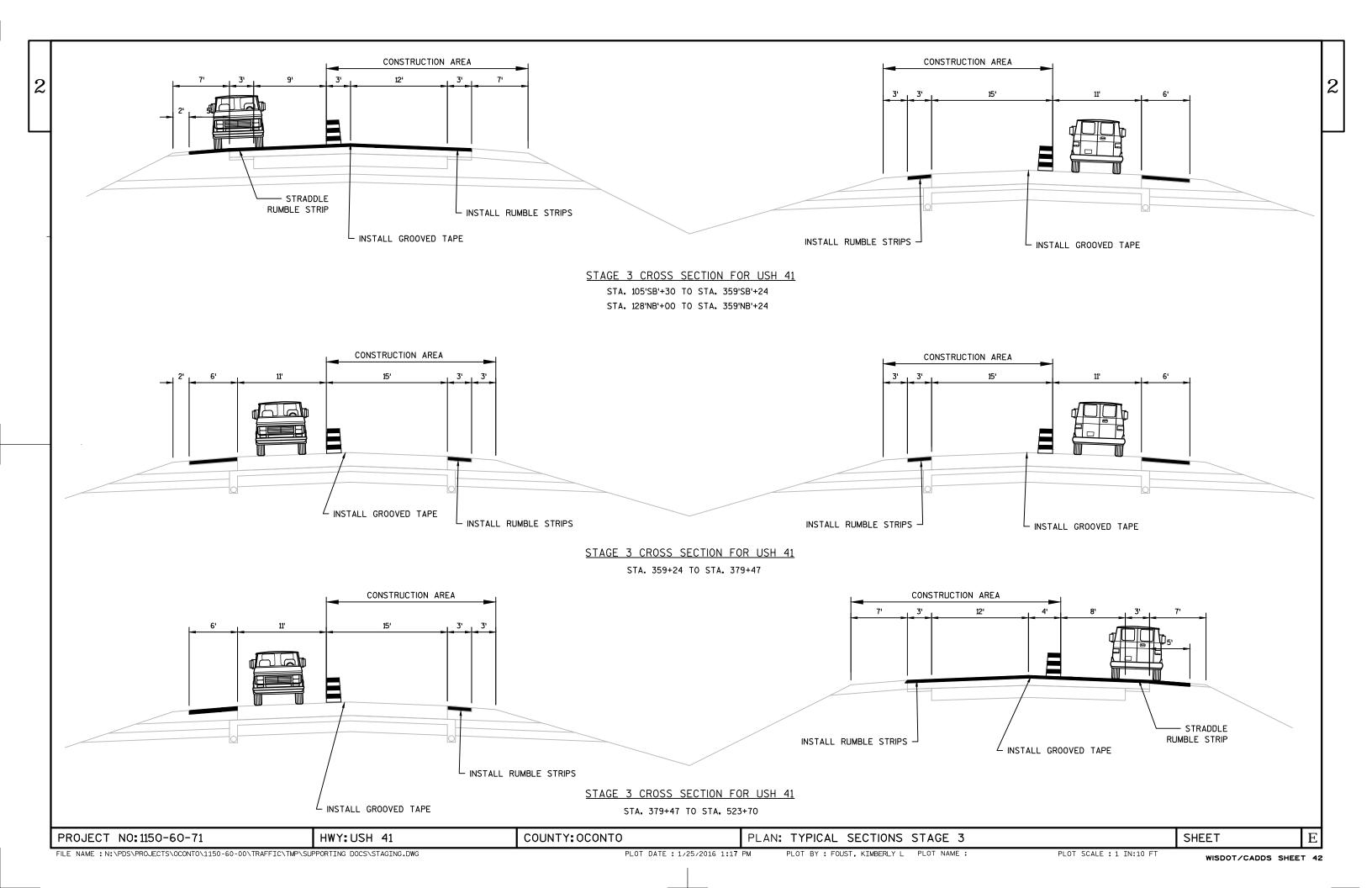


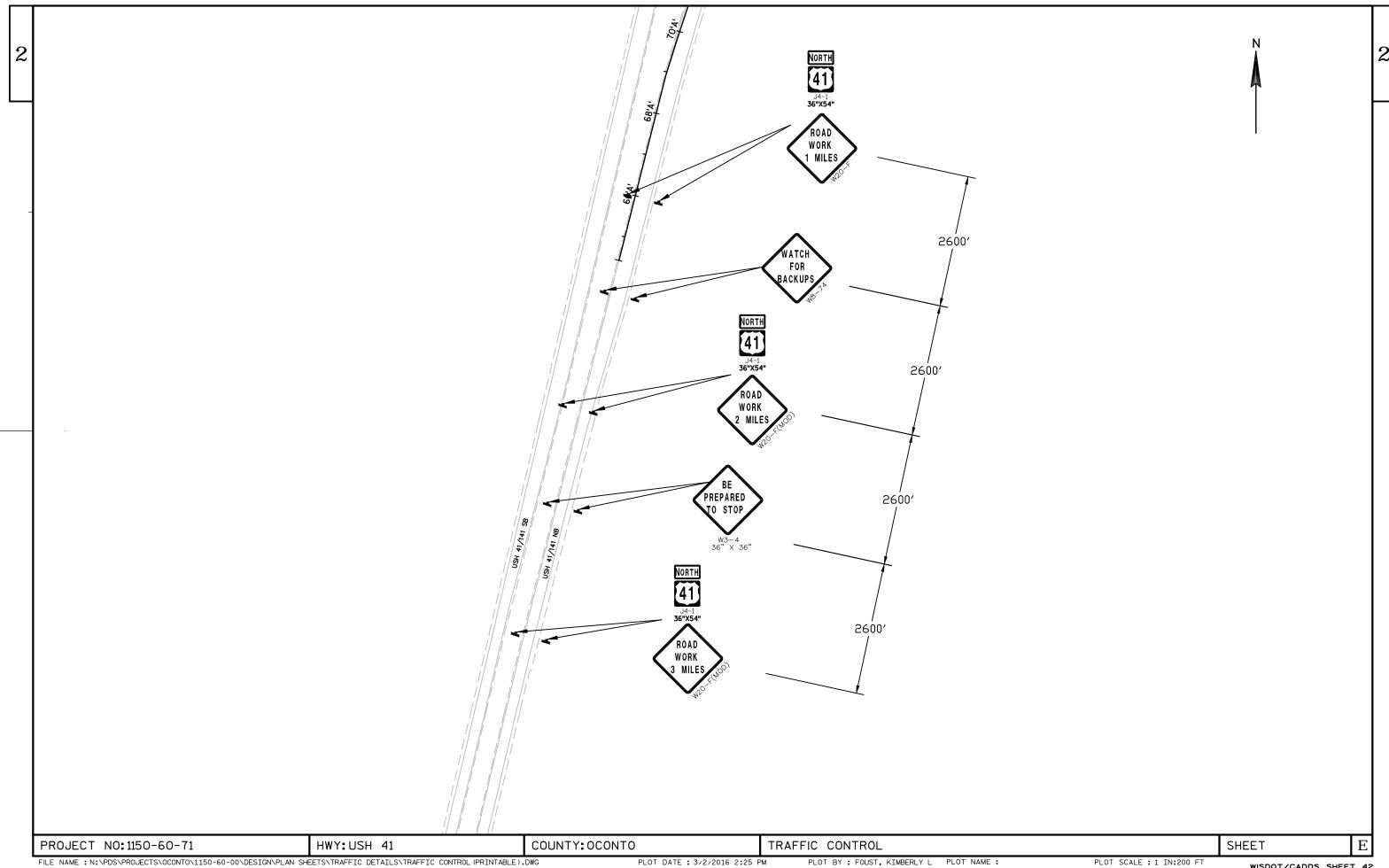


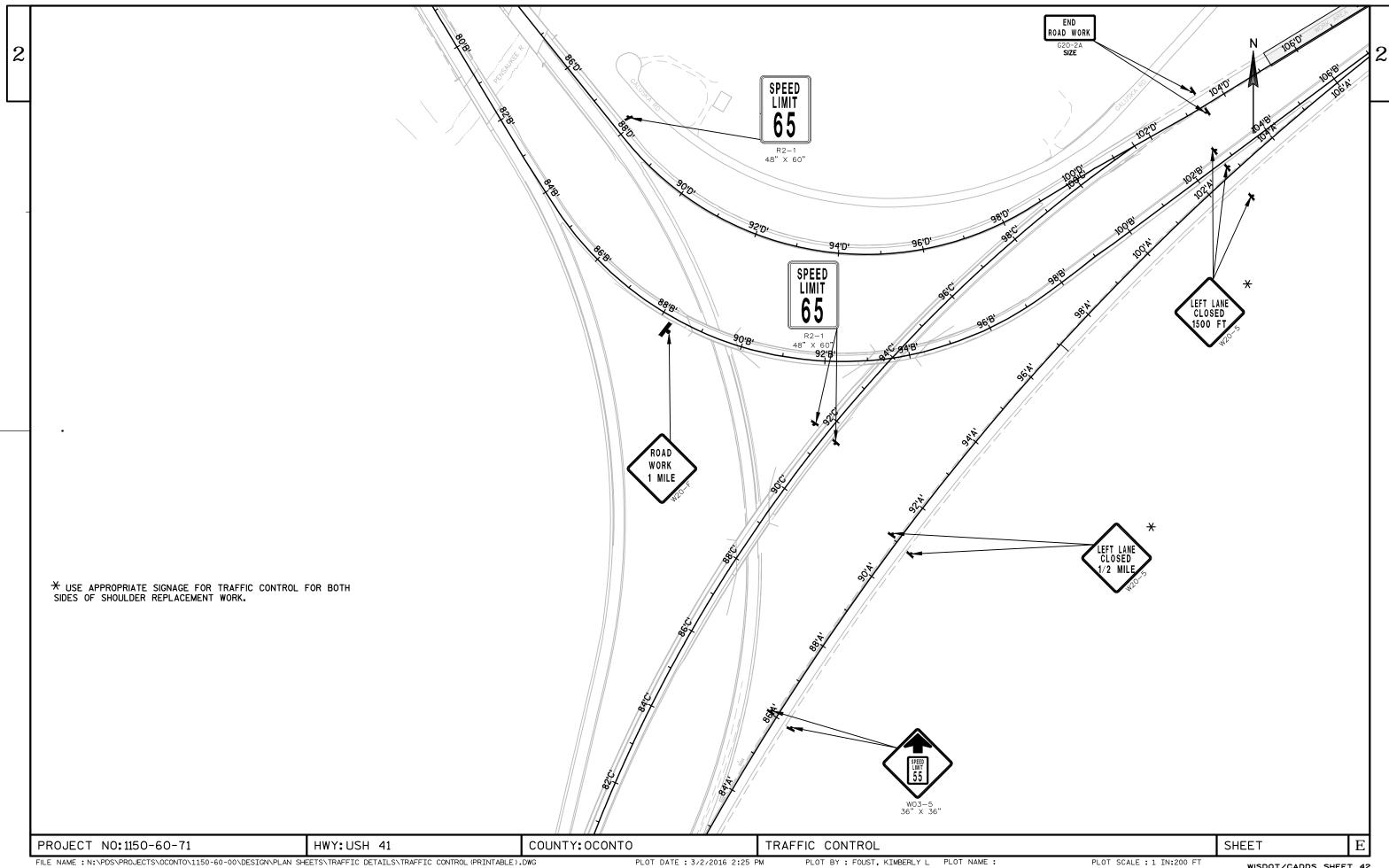
PROJECT NO:1150-60-71 HWY:USH 41 COUNTY:OCONTO PLAN: TYPICAL SECTION STAGE 1A SHEET E

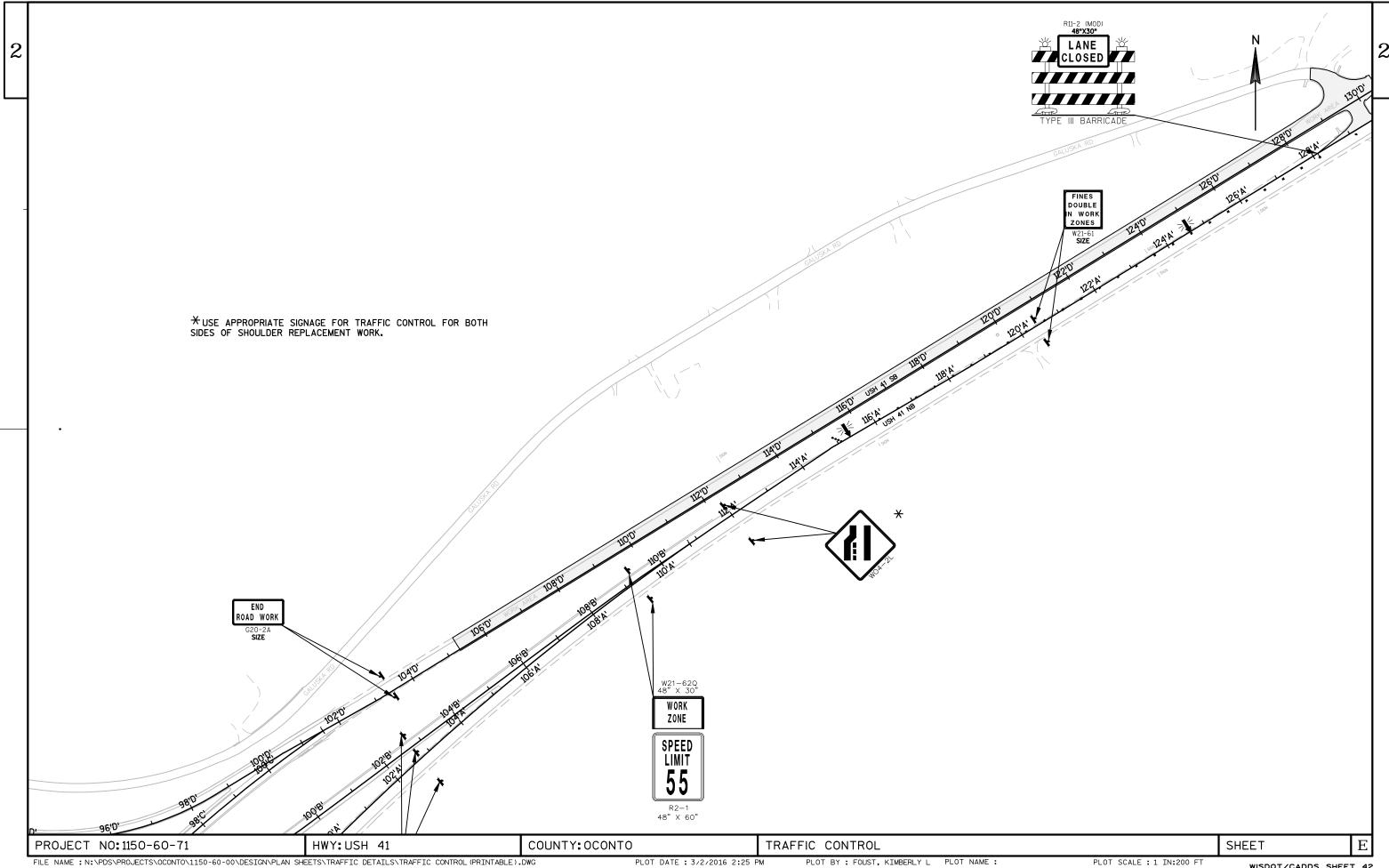












TRAFFIC CONTROL NOTES

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

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, 500 FEET DESIRABLE, DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

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

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

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. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

REDUCED SPEED AHEAD AND SPEED LIMIT 55 SIGNS MUST BE POST MOUNTED.

SPEED LIMIT SIGNS SHALL ALSO BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP AND AT 0.5 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.

THE LOCATION OF THE FIRST SIGN INDICATING THE 55 MPH REGULATORY SPEED LIMIT IS REFERENCED FROM BEGINNING OF LANE CLOSURE TAPER. THE 55 MPH REGULATORY SPEED LIMIT SIGN LOCATION MUST BE ADJUSTED WHEN CONSTRUCTION ACTIVITIES REQUIRE THE LANE CLOSURE START LOCATION TO CHANGE.

TRAFFIC CONTROL DEVICES NOT IN USE SHALL BE LAYED DOWN OR REMOVED, TURNING OF DEVICES TO OBSCURE THE MESSAGE WILL NOT BE ALLOWED.

REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 7 CONTINUOUS DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

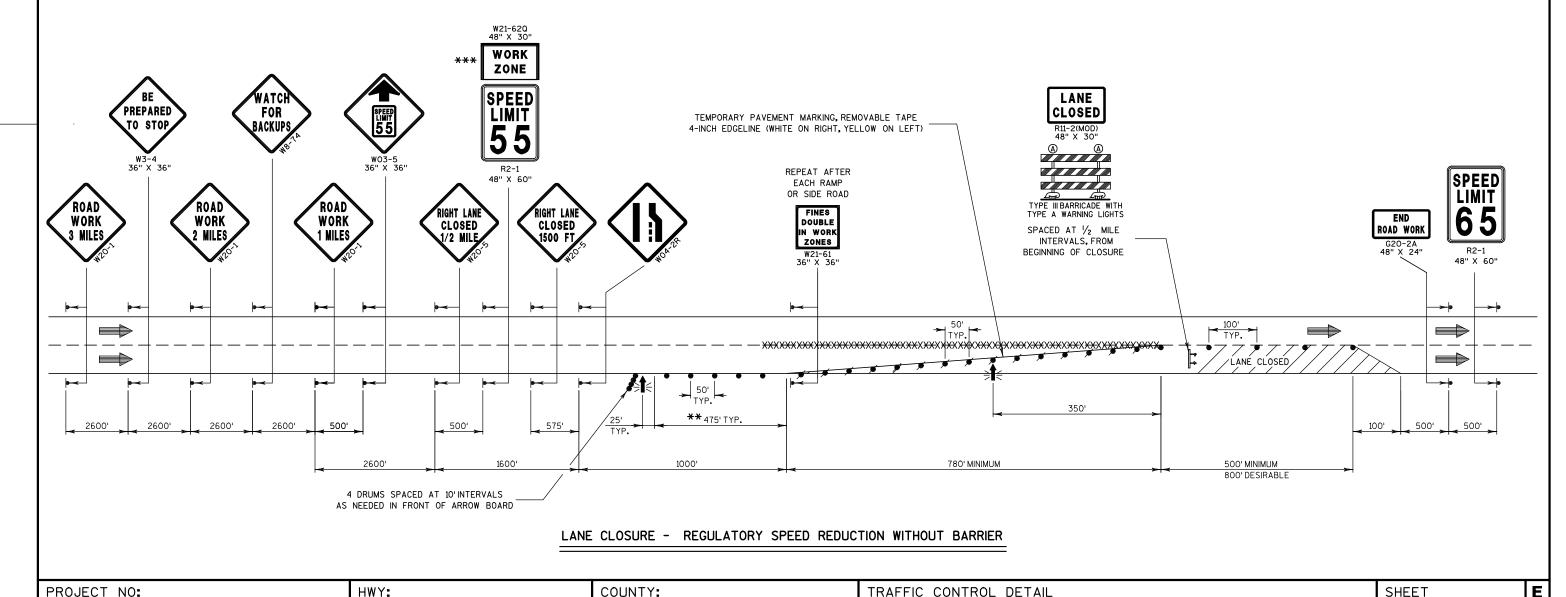
IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

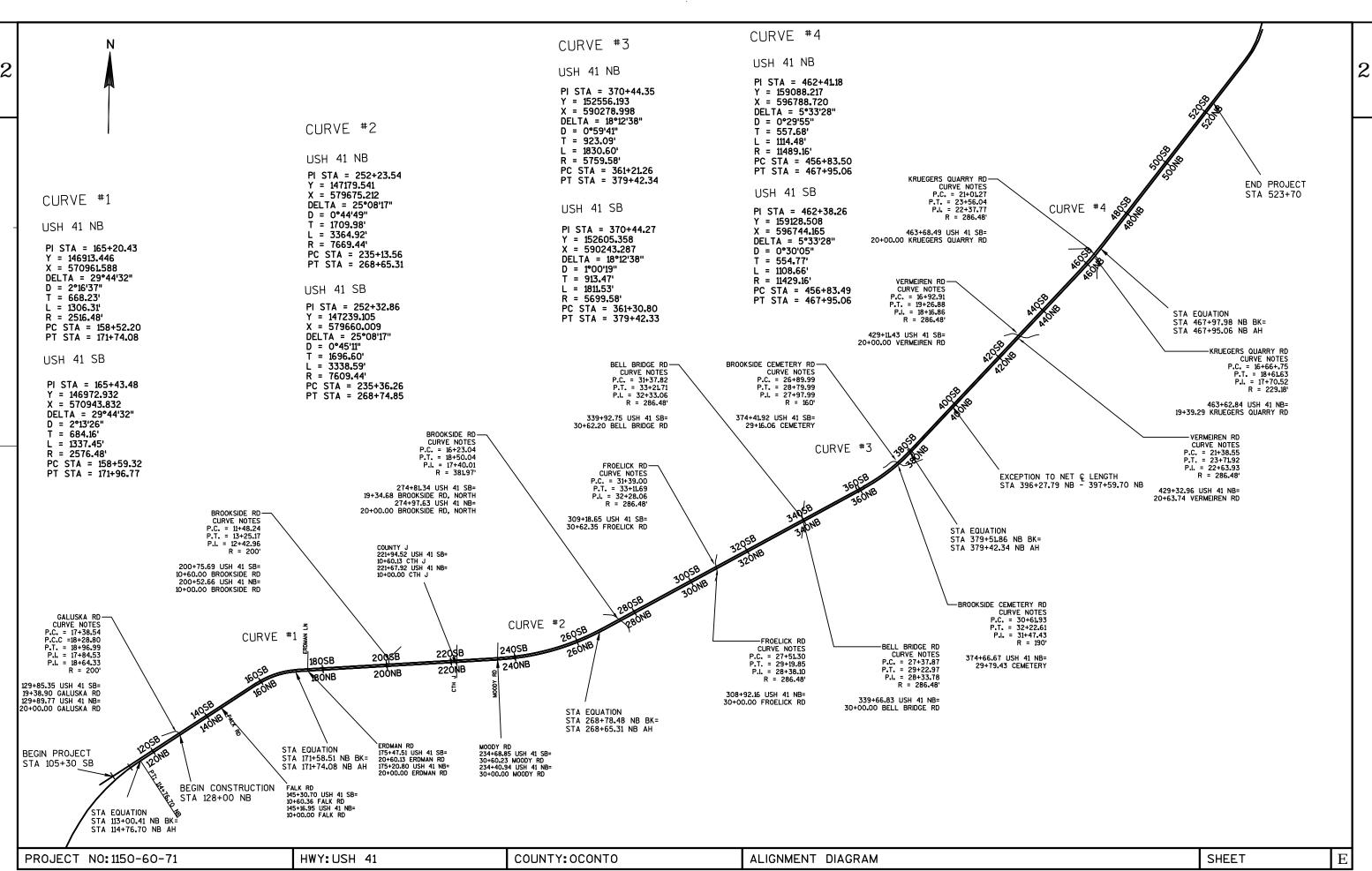
IF LANE CLOSURE IS MORE THAN 1 MILE, PLACE A TYPE III BARRICADE APPROXIMATELY EVERY $\frac{1}{2}$ MILE ACROSS THE CLOSED LANE TO HELP ENFORCE THE DRUM LINE.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE $\frac{1}{2}$ THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

- ** CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM OF 1500 FEET IN FRONT OF THE DRUMS.
- ***SEE REQUIREMENT FOR TEMPORARY REGULATORY SPEED REDUCTION IN THE SPECIAL PROVISIONS.

COVERING AND REMOVAL OF MATERIAL COVERING TEMPORARY REGULATORY SPEED LIMIT SIGNS AND EXISTING SPEED LIMIT SIGNS RELATED TO TEMPORARY AND/OR PERIODIC LANE CLOSURES SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.





DATE 14	IAPR16	EST	IMAT	E O F Q U A N	
LI NE NUMBER	ITEM	ITEM DESCRIPTION	UNI T	TOTAL	1150-60-71 QUANTI TY
0010 0020	203. 0100 204. 0100	Removing Small Pipe Culverts Removing Pavement	EACH SY	2. 000 61. 000	2. 000 61. 000
0020	204. 0110	Removing Asphaltic Surface	SY	41, 475. 000	41, 475. 000
0040 0050	204. 0115 204. 0120	Removing Asphaltic Surface Butt Joints Removing Asphaltic Surface Milling	SY SY	50. 000 179, 470. 000	50. 000 179, 470. 000
					·
0060 0070	204. 0185 204. 9060. S	Removing Masonry 5 Removing (item description) 01. Apron Endwall 24-Inch	CY EACH	2. 000 1. 000	2. 000 1. 000
0080 0090	205. 0100 208. 1100	Excavation Common Select Borrow	CY CY	126. 000 41. 000	126. 000 41. 000
0100	211. 0100	Prepare Foundation for Asphaltic Paving	LS	1. 000	1. 000
		(project) 01. 1150-60-71			
0110	211. 0400	Prepare Foundation for Asphaltic	STA	885.000	885.000
0120	213. 0100	Shoul ders Finishing Roadway (project) 01. 1150-60-71	EACH	1. 000	1. 000
0130	305. 0110	Base Aggregate Dense 3/4-Inch	TON	13, 123. 000	13, 123. 000
0140 0150	305. 0120 305. 0500	Base Aggregate Dense 1 1/4-Inch Shaping Shoulders	TON STA	638. 000 753. 000	638. 000 753. 000
	416. 1110	Concrete Shoulder Rumble Strips	LF	39, 550. 000	39, 550. 000
0160 0170	440. 4410	Incentive IRI Ride	DOL	30, 160. 000	30, 160. 000
0180	455. 0605	Tack Coat	GAL	13, 596, 000	13, 596, 000
0190 0200	460. 2000 460. 4110. S	Incentive Density HMA Pavement S Reheating HMA Pavement Longitudinal	DOL LF	19, 980. 000 39, 691. 000	19, 980. 000 39, 691. 000
		Joints			
0210	460. 5224	HMA Pavement 4 LT 58-28 S	TON	13, 858. 000	13, 858. 000
0220 0230	460. 6224 465. 0105	HMA Pavement 4 MT 58-28 S Asphaltic Surface	TON TON	17, 357. 000 188. 000	17, 357. 000 188. 000
0240	465. 0110	Asphaltic Surface Patching	TON	40.000	40.000
0250	465. 0315	Asphaltic Flumes	SY	194. 000	194. 000
0260	465. 0400	Asphaltic Shoulder Rumble Strips	LF	106, 373. 000	106, 373. 000
0270 0280	504. 0900 520. 1024	Concrete Masonry Endwalls Apron Endwalls for Culvert Pipe 24-Inch	CY EACH	2. 000 1. 000	2. 000 1. 000
0290	522. 0124	Culvert Pipe Reinforced Concrete Class	LF	160. 000	160. 000
0300	524. 0124	Culvert Pipe Salvaged 24-Inch	LF	20. 000	20. 000
0310	524. 0130	Culvert Pipe Salvaged 30-Inch	LF	18. 000	18. 000
0320	524. 0136	Culvert Pipe Salvaged 36-Inch	LF	2. 000	2.000
0330	524. 0624	Apron Endwalls for Culvert Pipe Salvaged 24-Inch	EACH	1. 000	1. 000
0340	524. 0630	Apron Endwalls for Culvert Pipe Salvaged 30-Inch	EACH	1. 000	1. 000
0350	524. 0636	Apron Endwalls for Culvert Pipe	EACH	1.000	1. 000
		Sal vaged 36-I nch			
0360	614. 0010		EACH	4.000	4. 000
0370 0380	614. 2300 614. 2340	MGS Guardrail 3 MGS Guardrail 3 L	LF LF	225. 000 112. 500	225. 000 112. 500
0390	614. 2610	MGS Guardrail Terminal EAT	EACH	1.000	1. 000
0400	614. 2620	MGS Guardrail Terminal Type 2	EACH	1. 000	1. 000
0410	618. 0100	Maintenance And Repair of Haul Roads (project) 01. 1150-60-71	EACH	1. 000	1. 000
0420	619. 1000	Mobilization	EACH MGAL	1. 000 137, 600	1. 000 137, 600
0430 0440	624. 0100 625. 0500	Water Sal vaged Topsoi I	MGAL SY	137. 600 573. 000	137. 600 573. 000
0450	628. 1504	Silt Fence	LF	1, 463. 000	1, 463. 000

DATE 14	IAPR16	EST	IMAT	E O F Q U A N	
LI NE NUMBER	ITEM	ITEM DESCRIPTION	UNI T	TOTAL	1150-60-71 QUANTI TY
0460	628. 1520	Silt Fence Maintenance	LF	1, 463. 000	1, 463. 000
0470	628. 1905	Mobilizations Erosion Control	EACH	2.000	2. 000
0480 0490	628. 1910 628. 2004	Mobilizations Emergency Erosion Control Erosion Mat Class I Type B	EACH SY	2. 000 2, 698. 000	2. 000 2, 698. 000
0500	628. 7555	Cul vert Pi pe Checks	EACH	22. 000	22. 000
0510	628. 7570	Rock Bags	EACH	180. 000	180. 000
0520 0530	629. 0210 630. 0130	Fertilizer Type B Seeding Mixture No. 30	CWT LB	0. 370 11. 000	0. 370 11. 000
0540	630. 0200	Seeding Temporary	LB	6. 000	6. 000
0550	633. 5200	Markers Culvert End	EACH	6. 000	6. 000
0560	634. 0614	Posts Wood 4x6-Inch X 14-FT	EACH	120. 000	120. 000
0570	634. 0616	Posts Wood 4x6-Inch X 14-F1	EACH	56. 000	56. 000
0580	634. 0618	Posts Wood 4x6-Inch X 18-FT	EACH	39. 000	39. 000
0590	637. 2210	Signs Type II Reflective H	SF	2, 628. 630	2, 628. 630
0600	637. 2230	Signs Type II Reflective F	SF	176. 000	176. 000
0610	638. 2602	Removing Signs Type II	EACH	209.000	209. 000
0620	638. 3000	Removing Small Sign Supports	EACH	232. 000	232. 000
0630	642. 5201	Field Office Type C	EACH	1.000	1. 000
0640	643. 0100	Traffic Control (project) 01. 1150-60-71	EACH	1.000	1.000
0650	643. 0300	Traffic Control Drums	DAY	55, 968. 000	55, 968. 000
0660	643. 0420	Traffic Control Barricades Type III	DAY	1, 664. 000	1, 664. 000
0670	643. 0705	Traffic Control Warning Lights Type A	DAY	3, 328. 000	3, 328. 000
0680	643. 0715	Traffic Control Warning Lights Type C	DAY	1, 560. 000	1, 560. 000
0690 0700	643. 0800 643. 0900	Traffic Control Arrow Boards Traffic Control Signs	DAY DAY	104. 000 8, 476. 000	104. 000 8, 476. 000
				J, 470. 000	
0710	643. 1050	Traffic Control Signs PCMS	DAY	14. 000	14. 000
0720	646. 0106	Pavement Marking Epoxy 4-Inch	LF	159, 615. 000	159, 615. 000
0730 0740		Pavement Marking Outfall Pavement Marking Grooved Wet Reflective	EACH LF	166. 000 20, 789. 000	166. 000 20, 789. 000
0740	040. 0041. 3	Contrast Tape 4-Inch	LI	20, 707. 000	20, 707.000
0750	646. 0883. S	Pavement Marking Grooved Wet Reflective	LF	2, 925. 000	2, 925. 000
		Tape 8-Inch			
0760	650. 6000	Construction Staking Pipe Culverts	EACH	2. 000	2. 000
0770	650. 8000	Construction Staking Resurfacing	LF	81, 413. 000	81, 413. 000
		Reference			
0780	650. 9910	Construction Staking Supplemental	LS	1. 000	1. 000
0790	654. 0102	Control (project) 01. 1150-60-71 Concrete Bases Type 2	EACH	1. 000	1. 000
0800	657. 0255	Transformer Bases Breakaway 11 1/2-Inch	EACH	1. 000	1. 000
		Bolt Circle			
0010	4E7 0210	Pol es Type 3	EACH	1 000	1 000
0810 0820	657. 0310 690. 0150	Sawi ng Asphal t	EACH LF	1. 000 673. 000	1. 000 673. 000
0830	690. 0250	Sawing Concrete	LF	71. 000	71. 000
0840	ASP. 1TOA	On-the-Job Training Apprentice at \$5.	HRS	2, 000. 000	2,000.000
0050	ACD 4T00	00/HR	LIDC	1 200 000	1 220 000
0850	ASP. 1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	1, 320. 000	1, 320. 000
0860	SPV. 0060	Special O1. Installing Pole Mounted	EACH	1. 000	1. 000
		Cabi net			
0870	SPV. 0060	Special 02. Installing 2 Solar Panels	EACH	1. 000	1. 000
0880	SPV. 0060	on One Bracket Special O3. Installing Wavetronix Click	EACH	1. 000	1. 000
0000	3F V. 0000	200 Module	LACII	1.000	1.000
0890	SPV. 0060	Special 04. Installing Wavetronix	EACH	1. 000	1. 000
0000	001/ 00/0	Detector Module	E 4 0 · ·		
0900	SPV. 0060	Special 05. Installing Concrete Maintenance Platform	EACH	1. 000	1. 000
		maintenance Fration			

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DATE 14	IAPR16		ESTIMATE	O F Q U A N			
LI NE NUMBER	ITEM	ITEM DESCRIPTION	UNI T	TOTAL	1150-60-71 QUANTI TY		
0910	SPV. 0060	Special O6. Grading, Shaping, & Finishing For ATR Site	EACH	1. 000	1. 000		

REMOVING ASPHALTIC SURFACE BUTT JOINTS

		204. 0115	
STATI ON	TO LOCATI ON	SY	REMARKS
STAGE 1B			
105+30 SB	USH 41 LT	3	BEGINNING OF SB LANES
128+00 NB	USH 41 LT	1	NB SHOULDER
359+24 SB	USH 41	3	END OF SB LANES
379+47 NB	USH 41	3	BEGINNING OF NB LANES
396+47 NB	USH 41	5	STRUCTURE
397+80 NB	USH 41	5	STRUCTURE
523+70 SB	USH 41 RT	1	SB SHOULDER
523+70 NB	USH 41	3	END OF NB LANES
	STAGE 1B TOTAL	24	
STAGE 2			
105+30 SB	USH 41	4	BEGINNING OF SB LANES
128+00 NB	USH 41 RT	1	NB SHOULDER
359+24 SB	USH 41	3	END OF SB LANES
379+47 NB	USH 41	3	BEGINNING OF NB LANES
396+47 NB	USH 41	5	STRUCTURE
397+80 NB	USH 41	5	STRUCTURE
523+70 SB	USH 41 LT	1	SB SHOULDER
523+70 NB	USH 41	4	END OF NB LANES
	STAGE 2 TOTAL	26	
	TOTAL	50	

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

REMOVING ASPHALTIC SURFACE MILLING

		204. 0120	
STATI ON TO STATI ON	LOCATI ON	SY	REMARKS
STAGE 1B	***** 44	*2005	22277
105+30 SB - 359+24 SB	USH 41	42325	MAI NLI NE
126+16 SB - 130+87 SB	USH 41 RT	791	GALUSKA CROSSOVER
142+28 SB - 148+31 SB	USH 41 RT	914	FALK CROSSOVER
172+54 SB - 178+58 SB	USH 41 RT	910	ERDMAN CROSSOVER
197+53 SB - 203+76 SB	USH 41 RT	932	BROOKSI DE SOUTH CROSSOVER
218+89 SB - 224 SB+93	USH 41 RT	916	COUNTY J CROSSOVER
231+63 SB - 237+63 SB	USH 41 RT	914	MOODY CROSSOVER
272+03 SB - 277+95 SB	USH 41 RT	900	BROOKSI DE NORTH CROSSOVER
306+10 SB - 312+14 SB	USH 41 RT	914	FROELICK CROSSOVER
336+81 SB - 342+69 SB	USH 41 RT	904	BELL BRI DGE CROSSOVER
371+46 NB - 378+61 NB	USH 41 LT	1563	BROOKSI DE CEMETERY CROSSOVER
379+47 NB - 396+47 NB	USH 41	2883	MAI NLI NE
397+80 NB - 523+70 NB	USH 41	21139	MAI NLI NE
402+71 NB - 404+91 NB	USH 41 LT	523	MEDI AN CROSSSOVER
426+00 NB - 432+37 NB	USH 41 LT	1012	VERMEI REN CROSSOVER
460+83 NB - 466+66 NB	USH 41 LT	867	KRUEGERS QUARRY CROSSOVER
474+91 NB - 477+11 NB	USH 41 LT	523	MEDIAN CROSSOVER
501+71 NB - 503+91 NB	USH 41 LT	523	MEDI AN CROSSOVER
	STAGE 1B TOTAL	79453	
STAGE 2			
105+30 SB - 359+24 SB	USH 41	56434	MAI NLI NE
143+82 SB - 146+12 SB	USH 41 RT	574	FALK RD
128+65 SB - 130+92 SB	USH 41 LT	590	GALUSKA RD
174+63 SB - 176+73 SB	USH 41 LT	357	ERDMAN RD
199+81 SB - 201+99 SB	USH 41 LT	372	BROOKSI DE RD SOUTH
220+52 SB - 222+80 SB	USH 41 RT	553	COUNTY J
220+61 SB - 225+03 SB	USH 41 LT	596	COUNTY J
233+22 SB - 235+55 SB	USH 41 RT	551	MOODY RD
233+82 SB - 236+30 SB	USH 41 LT	411	MOODY RD
274+03 SB - 276+32 SB	USH 41 RT	524	BROOKSI DE RD NORTH
273+56 SB - 275+93 SB	USH 41 LT	382	BROOKSI DE RD NORTH
307+64 SB - 309+89 SB	USH 41 RT	642	FROELI CK RD
308+34 SB - 310+60 SB	USH 41 LT	472	FROELI CK RD
338+41 SB - 340+60 SB	USH 41 RT	595	BELL BRI DGE RD
338+98 SB - 341+22 SB	USH 41 LT	441	BELL BRIDGE RD
371+68 NB - 376+33 NB	USH 41 RT	1312	BROOKSI DE CEMETERY RD
372+97 NB - 376+50 NB	USH 41 LT	1033	BROOKSI DE CEMETERY RD
379+47 NB - 396+47 NB	USH 41	3832	MAI NLI NE
397+80 NB - 523+70 NB	USH 41	28099	MAI NLI NE
427+78 NB - 430+09 NB	USH 41 LT	677	VERMEI REN RD
428+29 NB - 430+60 NB	USH 41 RT	521	VERMEI REN RD
462+42 NB - 464+51 NB	USH 41 RT	468	KRUEGERS QUARRY RD
462+79 NB - 465+23 NB	USH 41 LT	581	KRUEGERS QUARRY RD
	STAGE 2 TOTAL	100017	·
	TOTAL	179470	

PROJECT NO: 1150-60-71 HWY: USH 41 COUNTY: OCONTO MISCELLANEOUS QUANTITIES SHEET: **E**

REMOVING ASPHALTIC SURFACE*

			204. 0110*	
STATI ON	TO STATION	LOCATI ON	SY	REMARKS
STAGE 1B				
128+00 NB	- 379+47 NB	USH 41 LT	8, 325	SHOULDERS
359+24 SB	- 523+70 SB	USH 41 RT	5, 436	SHOULDERS
	STAGE 1B TOTAL		13, 761	
STAGE 2				
128+00 NB	- 379+47 NB	USH 41 RT	16, 648	SHOULDERS
359+24 SB	- 523+70 SB	USH 41 LT	10, 872	SHOULDERS
	STAGE 2 TOTAL		27, 520	
	TOTAL		41, 281	

* ADDITIONAL QUANTITIES LISTED ELSEWHERE IN PLAN

REMOVING CULVERT PIPE ITEMS

STATI ON	LOCATI ON	REMOVI NG SMALL PI PE CULVERTS 203. 0100 EACH	REMOVI NG MASONRY 204. 0185 CY	REMOVI NG APRON ENDWALLS 204. 9060. S EACH
110+08 SB	USH 41 LT			1
316+11 SB	USH 41	2		
316+11 SB	USH 41 LT		2	
	TOTAL	2	2	1

BASE AGGREGATE DENSE 3/4-INCH

						624. 0100	
					305. 0110	*WATER	
	STATI ON	T0	STATI ON	LOCATI ON	TON	MGAL	REMARKS
Stage 1B							
G	105+30 SB	-	359+24 SB	USH 41 RT	5481	54. 8	SHOULDERS
	359+24 SB	-	523+70 SB	USH 41 RT	763	7. 6	SHOULDERS
	128+00 NB	-	379+47 NB	USH 41 LT	1167	11. 7	SHOULDERS
	379+47 NB	-	523+70 NB	USH 41 LT	3113	31. 1	SHOULDERS
	392+85 NB	-	394+55 NB	USH 41 LT	10	0. 1	BEAM GUARD SHOULDER
Stage 2							
	105+30 SB	-	359+24 SB	USH 41 LT	785	7. 9	SHOULDERS
	359+24 SB	-	523+70 SB	USH 41 LT	509	5. 1	SHOULDERS
	128+00 NB	-	379+47 NB	USH 41 RT	778	7. 8	SHOULDERS
	379+47 NB	-	523+70 NB	USH 41 RT	446	4. 5	SHOULDERS
	205+99 SB	-	211+49 SB	USH 41 LT	45	0. 5	BEAM GUARD SHOULDER
	392+33 NB	-	394+03 NB	USH 41 RT	9	0. 1	BEAM GUARD SHOULDER
	446+775NB	-	448+45 NB	USH 41 RT	19	0. 2	BEAM GUARD SHOULDER
				TOTAL	13123	131. 2	

*WATER LISTED ELSEWHERE IN PLAN

REMOVING PAVEMENT

					204. 0100
	STATI ON	T0	STATI ON	LOCATI ON	SY
STAGE	1A				
	316+00 SB	-	316+23 SB	USH 41	61
			TOTAL		61

PROJECT NO: 1150-60-71 HWY: USH 41 COUNTY: OCONTO MISCELLANEOUS QUANTITIES SHEET: **E**

BARRIER SYSTEM GRADING SHAPING FINISHING

				*	*	*	*	*	*
			614. 0010	SALVAGED TOPSOI L	FERTI LI ZER TYPE B	SEEDI NG MI XTURE NO. 30	SEEDI NG TEMPORARY	EXCAVATI ON COMMON	BORROW
STATI ON	TO STATION	LOCATI ON	EACH	SY	СШТ	LB	LB	CY	CY
205+99 SB	211+49 SB	USH 41 LT	1	939	0. 6	17	13	105	54
392+33 NB	394+03 NB	USH 41 RT	1	291	0. 2	5	4	-	33
392+85 NB	394+55 NB	USH 41 LT	1	112	0. 1	2	2	-	2
446+75 NB	448+45 NB	USH 41 RT	1	358	0. 2	6	5	41	68
		TOTAL	4	1700	1. 1	30	24	146	157

^{*} ITEMS AND QUANTITIES FOR BID INFORMATION ONLY

SELECT BORROW

				208. 1100	
STATI ON	T0	STATI ON	LOCATI ON	CY	REMARKS
STAGE 1A					_
316+00 SB	-	316+23 SB	USH 41	41	PIPE REPLACEMENTS
			TOTAL	41	

PREPARE FOUNDATION FOR ASPHALTIC PAVING AND SHOULDERS

STATION TO STATION	LOCATI ON	PAVI NG 211. 0100 LS	SHOULDERS 211. 0400 STA	REMARKS
STAGE 1B				_
PROJECT STAGE 1	USH 41	0. 5		
359+24 SB - 523+70 SB	USH 41 RT		165	SHOULDER
128+00 NB - 379+47 NB	USH 41 LT		251	SHOULDER
	STAGE 1B TOTALS	0. 5	416	
STAGE 2				
PROJECT STAGE 2	USH 41	0. 5		
158+59 SB - 171+97 SB	USH 41 LT		14	REPLACE SHOULDER
206+18 SB - 210+62 SB	USH 41 LT		5	WI DENI NG ADJACENT TO BG
235+36 SB - 268+75 SB	USH 41 LT		34	REPLACE SHOULDER
359+24 SB - 523+70 SB	USH 41 LT		165	SHOULDER
128+00 NB - 379+47 NB	USH 41 RT		251	SHOULDER
	STAGE 2 TOTALS	0. 5	469	
	TOTAL	1	885	

BASE AGGREGATE DENSE 1 1/4-INCH

STATI ON	ТО	STATI ON	LOCATI ON	305. 0120 TON	624. 0100 *WATER MGAL
STAGE 1A					
316+00 SB	-	316+23 SB	USH 41	153	1. 5
STAGE 1B					0. 0
392+85 NB	-	394+55 NB	USH 41 LT	48	0. 5
STAGE 2					0. 0
205+99 SB	-	211+49 SB	USH 41 LT	315	3. 2
392+33 NB	-	394+03 NB	USH 41 RT	23	0. 2
446+75 NB	-	448+45 NB	USH 41 RT	99	1. 0
			TOTAL	638	6. 4

*WATER LISTED ELSEWHERE IN PLAN

SHAPING SHOULDERS

				305. 0500
STATI ON	T0	STATI ON	LOCATI ON	STA
 STAGE 1B				
105+30 SB	-	359+24 SB	USH 41 RT	255
379+47 NB	-	523+70 NB	USH 41 LT	145
STAGE 2				
105+30 SB	-	158+59 SB	USH 41 LT	54
171+97 SB		206+18 SB	USH 41 LT	36
210+62 SB		235+36 SB	USH 41 LT	26
268+75 SB		359+24 SB	USH 41 LT	92
 379+47 NB	_	523+70 NB	USH 41 RT	145
			TOTAL	753

PROJECT NO: 1150-60-71 HWY: USH 41 COUNTY: OCONTO MISCELLANEOUS QUANTITIES SHEET:

ASPHALTIC FLUMES AND REMOVING ASPHALTIC SURFACE*

			ASPHALTIC FLUMES 465, 0315	REMOVI NG ASPHALTI C SURFACI 204. 0110*
STATI ON	LOCATI ON	V	SY	SY
STAGE 1B				-
129+00 NB	18'	LT	4. 4	4. 4
130+20 NB	13'		4. 4	4. 4
176+00 SB	20'	RT	4. 4	4. 4
201+30 SB	20'	RT	4. 4	4. 4
235+20 SB	20'	RT	4. 4	4. 4
340+40 SB	18'	RT	4. 4	4. 4
373+50 NB	20'	LT	4. 4	4. 4
STAGE 1B TOTAL			31	31
STAGE 2				
129+20 SB	98'	LT	4. 4	4. 4
130+00 SB	40'		4. 4	4. 4
144+90 SB	105'		4. 4	4. 4
145+30 SB	70'	RT	4. 4	4. 4
175+40 SB	73'		4. 4	4. 4
175+70 SB	99'	LT	4. 4	4. 4
200+60 SB	76'	LT	4. 4	4. 4
220+90 NB	38'	RT	4. 4	4. 4
222+20 NB	38'	RT	4. 4	4. 4
234+60 SB	70'		4. 4	4. 4
234+90 SB	100'	LT	4. 4	4. 4
234+20 NB	97'	RT	4. 4	4. 4
234+50 NB	72'	RT	4. 4	4. 4
275+10 NB	78'	RT	4. 4	4. 4
275+50 NB	83'	RT	4. 4	4. 4
274+30 SB	85'	LT	4. 4	4. 4
274+70 SB	79'	LT	4. 4	4. 4
308+40 NB	106'	RT	4. 4	4. 4
309+40 NB	40'	RT	4. 4	4. 4
308+60 SB	38'	LT	4. 4	4. 4
309+60 SB	103'	LT	4. 4	4. 4
339+40 SB	40'	LT	4. 4	4. 4
340+80 SB	40'	LT	4. 4	4. 4
339+20 NB	100'		4. 4	4. 4
340+10 NB	40'	RT	4. 4	4. 4
374+10 NB	42'	RT	4. 4	4. 4
375+90 NB	41'		4. 4	4. 4
373+60 SB	102'		4. 4	4. 4
375+00 SB	42'		4. 4	4. 4
429+40 NB	76'		4. 4	4. 4
429+90 NB	105'	RT	4. 4	4. 4
428+50 SB	103'		4. 4	4. 4
429+10 SB	75'		4. 4	4. 4
463+20 NB	98'		4. 4	4. 4
463+70 NB	92'	RT	4. 4	4. 4
463+60 SB	80'	LT	4. 4	4. 4
464+50 SB	36'	<u>LT</u>	4. 4	4. 4
STAGE 2 TOTAL			163	163
TOTAL			194	194

RESTORATION ITEMS

STATI ON	ТО	STATI ON	LOCATI ON	SALVAGED TOPSOI L 625. 0500 SY	FERTI LI ZER TYPE B 629. 0210 CWT	SEEDI NG MI XTURE NO. 30 630. 0130 LB	SEEDI NG TEMPORARY 630. 0200 LB
110+02 SB	-	110+16 SB	USH 41 LT	36	0. 02	1	1
117+10 SB	-	117+35 SB	USH 41 LT	44	0. 03	1	1
136+57 SB	-	136+95 SB	USH 41 LT	189	0. 12	3	2
258+93 SB	-	259+08 SB	USH 41 LT	41	0. 03	1	1
315+64 SB	-	316+67 SB	USH 41 LT	90	0.06	2	1
316+00 SB	-	316+23 SB	USH 41 RT	58	0. 04	1	1
UNDI	STRI	BUTED		115	0. 07	2	1
			TOTAL	573	0. 37	11	6

SILT FENCE

					SILT FENCE 628. 1504	SILT FENCE MAINTENANCE 628. 1520
	STATI ON	T0	STATI ON	LOCATI ON	LF	LF
	205+75 SB	_	212+00 SB	USH 41 LT	630	630
	258+75 SB	-	259+25 SB	USH 41 LT	59	59
	315+60 SB	-	316+70 SB	USH 41 LT	110	110
	316+00 SB	-	316+25 SB	USH 41 RT	73	73
_	392+00 NB	-	394+25 NB	USH 41 RT	251	251
	392+50 NB	-	394+75 NB	USH 41 LT	249	249
	448+00 NB	-	449+00 NB	USH 41 RT	91	91
				TOTAL	1463	1463

*ADDITIONAL QUANTITIES LISTED ELSEWHERE IN PLAN

PROJECT NO: 1150-60-71 HWY: USH 41 COUNTY: OCONTO MISCELLANEOUS QUANTITIES SHEET: **E**

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ASPHALT ITEMS

STATI ON TO STATI ON	LOCATI ON	TACK COAT 455. 0605 GAL	HMA PAVEMENT 4 MT 58-28 S 460. 6224 TON	HMA PAVEMENT 4 LT 58-28 S 460. 5224 TON	REHEATI NG HMA LONGI TUDI NAL JOI NTS 460. 4110. S LF	ASPHALTI C SURFACE 465. 0105 TON	ASPHALTI C SURFACE PATCHI NG 465. 0110 TON	REMARKS
								
STAGE 1A								
316+00 SB - 316+23 SB	SOUTHBOUND LANES/SHOULDERS	5	36					FOR PIPE REPLACEMENT
STAGE 1B								
105+30 SB - 359+24 SB	SOUTHBOUND LANES	2539	5150					
126+16 SB - 342+69 SB	SOUTHBOUND INTERSECTION CROSSOVERS	438	876					
359+24 SB - 523+70 SB	SHOULDERS	329		1196				
128+00 NB - 379+47 NB	SHOULDERS	503		1777				
379+47 NB 396+47 NB	NORTHBOUND LANES	175	353					
397+80 NB - 523+70 NB	NORTHBOUND LANES	1270	2566					
402+71 NB - 503+91 NB	NORTHBOUND MEDIAN CROSSOVERS	207				188		
371+46 NB - 466+66 NB	NORTHBOUND INTERSECTION CROSSOVERS	207	413					
PROJECT	USH 41						20	UNDI STRI BUTED
	STAGE 1B TOTALS	5668	9358	2973	0	188	20	
STAGE 2								
128+00 NB - 379+47 NB	SHOULDERS	1006		3831				
105+30 SB - 359+24 SB	SOUTHBOUND LANES & SHOULDER	3392	4075	2709	25395			
359+24 SB - 523+70 SB	SHOULDERS	658		2500				
128+65 NB - 341+22 NB	SOUTHBOUND SIDE ROADS	424	847					
379+47 NB 396+47 NB	NORTHBOUND LANES & SHOULDER	232	301	163				
397+80 NB - 523+70 NB	NORTHBOUND LANES & SHOULDER	1686	2189	1183	14296			
428+29 NB - 464+51 NB	NORTHBOUND SI DE ROADS	276	551					
158+59 SB 171+97 SB	SOUTHBOUND, OUTSIDE SHOULDER	71		143				TO FIX SUPERELEVATION
235+36 SB 268+75 SB	SOUTHBOUND, OUTSIDE SHOULDER	178		356				TO FIX SUPERELEVATION
PROJECT	USH 41						20	UNDI STRI BUTED
	STAGE 2 TOTALS	7923	7963	10885	39691	0	20	
	TOTAL	13, 596	17357	13858	39691	188	40	

CULVERT PIPE ITEMS

			COLVERT										
			PI PE										
			REI NFORCED										
		CONCRETE	CONCRETE	APRON ENDWALLS				APRON ENDWALLS	APRON ENDWALLS	APRON ENDWALLS			
		MASONRY	CLASS III	FOR CULVERT PIPE	CULVERT PIPE	CULVERT PIPE	CULVERT PIPE	FOR CULVERT PIPE	FOR CULVERT PIPE	FOR CULVERT PIPE	MARKERS		
		ENDWALL	24- I NCH	24- I NCH	SALVAGED 24-INCH	SALVAGED 30-INCH	I SALVAGED 36-INC	CH SALVAGED 24-INCH	SALVAGED 30-INCH	SALVAGED 36-INCH	CULVERT END	*	
		504.0900	522. 0124	520. 1024	524. 0124	524. 0130	524. 0136	524. 0624	524. 0630	524. 0636	633. 5200	JOI NT	
STATI ON	LOCATI ON	CY	LF	EACH	LF	LF	LF	EACH	EACH	EACH	EACH	TIES	REMARKS
110+08 SB	USH 41 LT			1	10						1	4	TIE AEW & FIRST PIPE SECTION
117+17 SB	USH 41 LT				10			1			1	4	TIE AEW & FIRST PIPE SECTION
136+63 SB	USH 41 LT					18			1		1	6	TIE AEW & FIRST TWO PIPE SECTIONS
258+99 SB	USH 41 LT						2			1	1	2	TIE AEW
316+11 SB	USH 41		160										SEE CONSTRUCTION DETAIL

* NON-BID ITEM (FOR INFORMATION ONLY)

CULVERT

PROJECT NO: 1150-60-71 HWY: USH 41 COUNTY: OCONTO MISCELLANEOUS QUANTITIES SHEET: **E**

ASPHALTIC SHOULDER RUMBLE STRIP

ASPHALTIC SHOULDER RUMBLE STRIP CONT.

LOCATI ON

STATION TO STATION

STAGE 3

465. 0400

LF

				465. 0400
STATI ON '	TO	STATI ON	LOCATI ON	LF
STAGE 2				_
105+30 SB	-	128+15 SB	USH 41 LT	2285
130+92 SB	-	174+13 SB	USH 41 LT	4334
176+78 SB	-	199+31 SB	USH 41 LT	2252
201+99 SB	-	220+11 SB	USH 41 LT	1812
225+03 SB	-	233+32 SB	USH 41 LT	830
236+30 SB	-	273+06 SB	USH 41 LT	3666
275+93 SB	-	307+84 SB	USH 41 LT	3191
310+60 SB	-	338+48 SB	USH 41 LT	2789
341+22 SB	-	359+24 SB	USH 41 LT	1802
379+47 NB	-	395+20 NB	USH 41 RT	1573
398+75 NB	-	428+29 NB	USH 41 RT	2954
431+10 NB	-	462+42 NB	USH 41 RT	3134
465+01 NB	-	523+70 NB	USH 41 RT	5873
			STAGE 2 TOTAL	36, 495

CONCRETE SHOULDER RUMBLE STRIP

STATI ON	T0	STATI ON	LOCATI ON	416. 1110 LF
SIAITUN	10	SIAIIUN	LUCATION	LF
STAGE 2				
359+24 SB	_	372+45 SB	USH 41 LT	1321
376+45 SB	_	394+82 SB	USH 41 LT	1837
398+16 SB	_	427+30 SB	USH 41 LT	2914
430+20 SB	_	462+25 SB	USH 41 LT	3205
465+15 SB	_	523+70 SB	USH 41 LT	5855
109+51 NB	_	113+00 NB	USH 41 RT	349
114+77 NB	-	129+54 NB	USH 41 RT	1477
129+98 NB	_	143+75 NB	USH 41 RT	1377
146+55 NB	_	167+20 NB	USH 41 RT	2065
167+89 NB	_	171+58 NB	USH 41 RT	369
171+74 NB	_	174+94 NB	USH 41 RT	320
175+52 NB	-	184+43 NB	USH 41 RT	891
184+99 NB	-	200+22 NB	USH 41 RT	1523
200+80 NB	-	207+52 NB	USH 41 RT	672
208+07 NB	-	220+29 NB	USH 41 RT	1222
223+07 NB	-	232+99 NB	USH 41 RT	992
235+82 NB	-	262+79 NB	USH 41 RT	2697
263+49 NB	-	268+78 NB	USH 41 RT	529
268+65 NB	-	273+94 NB	USH 41 RT	529
276+72 NB	-	307+54 NB	USH 41 RT	3082
310+30 NB	-	338+32 NB	USH 41 RT	2802
341+01 NB	-	373+58 NB	USH 41 RT	3257
376+82 NB	-	379+47 NB	USH 41 RT	265
			TOTAL	39550

105+30 SB	-	128+65 SB	USH 41 RT	2335
130+75 SB	-	143+68 SB	USH 41 RT	1293
148+31 SB	-	173+77 SB	USH 41 RT	2545
178+58 SB	_	199+16 SB	USH 41 RT	2058
203+76 SB	_		USH 41 RT	1658
224+93 SB	-	233+07 SB	USH 41 RT	814
237+63 SB	_	273+34 SB	USH 41 RT	3572
277+95 SB	-	307+50 SB	USH 41 RT	2955
312+14 SB	_	338+21 SB	USH 41 RT	2608
342+69 SB	_	359+24 SB	USH 41 RT	1655
359+24 SB	_	372+66 SB	USH 41 RT	1342
	_		USH 41 RT	1891
	_		USH 41 RT	393
405+41 SB	_	427+61 SB	USH 41 RT	2220
432+38 SB	_	462+18 SB	USH 41 RT	2980
466+87 SB	-		USH 41 RT	754
477+61 SB	-	501+21 SB	USH 41 RT	2360
504+41 SB	-	523+70 SB	USH 41 RT	1929
109+51 NB	-	113+00 NB	USH 41 LT	349
114+77 NB	-	126+11 NB	USH 41 LT	1134
130+81 NB	-	142+20 NB	USH 41 LT	1139
146+84 NB	-	172+31 NB	USH 41 LT	2547
176+77 NB	-	197+30 NB	USH 41 LT	2053
202+16 NB	-	218+76 NB	USH 41 LT	1660
223+34 NB	-	231+40 NB	USH 41 LT	806
236+06 NB	-	268+78 NB	USH 41 LT	3272
268+65 NB	-	271+94 NB	USH 41 LT	329
276+37 NB	-	306+01 NB	USH 41 LT	2964
310+64 NB	-	336+71 NB	USH 41 LT	2607
341+34 NB	-	371+46 NB	USH 41 LT	3012
376+46 NB	-	379+47 NB	USH 41 LT	301
379+47 NB	-	395+20 NB	USH 41 LT	1573
398+75 NB	-	402+71 NB	USH 41 LT	396
405+41 NB	-	426+00 NB	USH 41 LT	2059
430+77 NB	-	460+84 NB	USH 41 LT	3007
465+25 NB	-	474+91 NB	USH 41 LT	969
477+61 NB	-	501+71 NB	USH 41 LT	2410
504+41 NB	-	523+70 NB	USH 41 LT	1929
			STAGE 3 TOTAL	69, 878
			TOTAL	106, 373

PROJECT NO: 1150-60-71 HWY: USH 41 COUNTY: OCONTO MISCELLANEOUS QUANTITIES SHEET: **E**

MAINTENANCE AND REPAIR OF HAUL ROADS (PROJECT)

	618. 0100
LOCATI ON	EACH
PROJECT	1
	TOTAL 1

MOBILIZATIONS EROSION CONTROL

	MOBI LI ZATI ON	MOBI LI ZATI ON
	EROSI ON CONTROL	EMERGENCY EROSION
	628. 1905	628. 1910
LOCATI ON	EACH	EACH
PROJECT	2	2
TOTAL	2	2

CULVERT PIPE CHECKS AND ROCK BAGS

		CULVERT PIPE		
		CHECKS	ROCK BAGS	
		628. 7555	628. 7570	
STATION TO STATION	LOCATI ON	EACH	EACH	REMARKS
110+09 SB	USH 41 LT	4		
117+18 SB	USH 41 LT	4		
136+78 SB	USH 41 LT	5		
206+00 SB - 212+00 SB	USH 41 LT		60	SILT FENCE RELIEF
259+00 SB	USH 41 LT		20	SILT FENCE RELIEF
316+11 SB	USH 41 LT	9	40	SILT FENCE RELIEF
393+75 NB - 394+75 NB	USH 41 RT<		40	SILT FENCE RELIEF
448+00 NB - 449+00 NB	USH 41 RT<		20	SILT FENCE RELIEF
	TOTAL	22	180	

EROSION MAT CLASS I TYPE B

				628. 2004
STATI ON	T0	STATI ON	LOCATI ON	SY
110+02 SB	-	110+16 SB	USH 41 LT	36
117+10 SB	-	117+35 SB	USH 41 LT	44
136+57 SB	-	136+95 SB	USH 41 LT	189
205+99 SB	-	211+49 SB	USH 41 LT	939
258+93 SB	-	259+08 SB	USH 41 LT	41
315+64 SB	-	316+67 SB	USH 41 LT	90
316+03 SB	-	316+25 SB	USH 41 RT	58
392+33 NB	-	394+03 NB	USH 41 RT	291
392+85 NB	-	394+55 NB	USH 41 LT	112
446+75 NB	-	448+45 NB	USH 41 RT	358
UNDI	STRIE	BUTED		540
			TOTAL	2698

GUARDRAIL ITEMS

STATI ON TO STATI ON	LOCATI ON	MGS GUARDRAIL 3 614.2300 LF	MGS GUARDRAIL 3 L 614. 2340 LF	MGS GUARDRAIL TERMI NAL EAT 614. 2610 EACH	MGS GUARDRAIL TERMI NAL TYPE 2 614. 2620 EACH
206+38 SB - 206+76 SB	USH 41 LT	37. 5			1
206+76 SB - 207+89 SB	USH 41 LT		112. 5		
207+89 SB - 209+76 SB	USH 41 LT	187. 5			
209+76 SB - 210+29 SB	USH 41 LT			1	
	TOTAL	225. 0	112. 5	1	1

PROJECT NO: 1150-60-71 HWY: USH 41 COUNTY: OCONTO MISCELLANEOUS QUANTITIES SHEET: **E**

				637. 2210	637. 2230	624 0614	634. 0616	624 0619	620 2602	638. 3000
				SI GNS	SI GNS	P0STS	POSTS	POSTS	REMOVI NG	REMOVI NG
				TYPE II	TYPE II	W00D	W00D	W00D	SIGNS	SMALL SIGN
SI GN		CLCN								SUPPORTS
	LOCATI ON	SIGN	W V II		REFLECTIVE F	4x6x14	4x6x16	4x6x18	TYPE II	
NO.		CODE	WXH	S. F.	S. F.	EACH	EACH	EACH	EACH	EACH
1	USH 41, N. OF USH 141/41 SPLIT	I 55- 56		0.00					1	1
2	"	M1-93	36" X 36"	9. 00			1		1	1
3	" "	M5-2L	30" X 30"	6. 25			1			
4	" "	J4-1	36" X 54"	13. 50			1		1	1
5		M1-93	36" X 36"	9. 00		1				
6	"	D3- 2	102" X 48"	34. 00		2			1	2
7	II	R2-1	48" X 60"	20. 00			2		1	1
8	п	W6-53	144" X 48"		48. 00		3		1	3
9	н	W6- 53	144" X 48"		48. 00		3		1	3
10	II .	D1- 1	102" X 21"	14. 88		2			1	1
11	П	R5- 1A	42" X 30"	8. 75						
12	П	R5- 1A	36" X 36"	9. 00		1				
13	II .	M1-93							1	1
14	GALUSKA RD	R6- 2R							1	1
15	II .	R6- 1R	54" X 18"	6. 75						
16	n	R1-1	36" X 36"	7. 46					1	1
17	II	R6-3	30" X 24"	5. 00						
18	u	R1- 1	36" X 36"	7. 46		1			1	1
19	USH 41, AT GALUSKA RD	R4-7	36" X 48"	12. 00			1		1	1
20	GALUSKA RD	R6- 1L	54" X 18"	6. 75						
21	USH 41, AT GALUSKA RD	R6- 2L							1	1
22	н	R5- 1	36" X 36"	9. 00		1			1	1
23	н	R6- 2L	24" X 30"	5. 00		1			1	1
24	USH 41, N. OF GALUSKA RD	S3-51	96" X 48"		32. 00			2	1	2
25	II.	S57-51	48" X 24"		8. 00					
26	n	S3-51	96" X 48"		32. 00			2	1	2
27	n	S57-51	48" X 24"		8. 00					
28	n .	R5- 1A	42" X 30"	8. 75		1			1	1
29	n .	D1- 1	78" X 21"	11. 38		2			1	1
30	II .	D1- 1	102" X 21"	14. 88		2				
31	II .	D10-3	12" X 48"	4. 00			1		1	1
32	II .	D10-3	12" X 48"	4. 00			1		1	1
33	VACANT									
34	USH 41, N. OF GALUSKA RD	D1- 1							1	
35	USH 41, S. OF FALK RD	R59-51	36" X 36"	9. 00		1			1	1
36	USH 41, S. OI TALK RD	R5- 1A	42" X 30"	8. 75		1			1	1
37	п	R5-1A	36" X 36"	9. 00		1			1	1
38	п	R4- 7	36" X 48"	12. 00			1		1	1
JU	PAGE SUBTOTALS	104-7	JU A 40	265. 55	176. 00	17	14	4	27	33

PLAN SHEET PRODUCED BY WisDOT - NE REGION

		1	T	1	1	,	1	1		T
				637. 2210	637. 2230		634. 0616			638. 3000
				SI GNS	SI GNS	POSTS	POSTS	POSTS	REMOVI NG	REMOVI NG
				TYPE II	TYPE II	WOOD	WOOD	WOOD	SI GNS	SMALL SIGN
SI GN		SI GN		REFLECTI VE H	REFLECTI VE F	4x6x14	4x6x16	4x6x18	TYPE II	SUPPORTS
NO.	LOCATI ON	CODE	WXH	S. F.	S. F.	EACH	EACH	EACH	EACH	EACH
39	USH 41, AT FALK RD	R6- 2L	24" X 30"	5. 00		1			1	1
40	FALK RD	R6-1L	54" X 18"	6. 75						
41	II .	R6- 1R	54" X 18"	6. 75						
42	II .	R1-1	36" X 36"	7. 46				1	1	1
43	II .	R6- 3A	30" X 24"	5. 00						
44	II .	R6-2R							1	1
45	USH 41, N. OF FALK RD	R5-1	36" X 36"	9. 00		1			1	1
46	II .	R5- 1A	42" X 30"	8. 75		1			1	1
47	II	D1-1	78" X 21"	11. 38		2			1	1
48	USH 41, S. OF ERDMAN LA	D1-1	96" X 21"	14. 00		2			1	1
49	II	R5- 1A	42" X 30"	8. 75						
50	"	R5- 1	36" X 36"	9. 00		1			1	1
51	ERDMAN LANE	R6-1L	54" X 18"	6. 75						
52	11	R6-2R							1	1
53	11	R6-1R	54" X 18"	6. 75						
54	11	R1-1	36" X 36"	7. 46				1	1	1
55	11	R6-3A	30" X 24"	5. 00						
56	USH 41, AT ERDMAN LA	R6-2L	24" X 30"	5. 00		1			1	1
57	11	R4-7	36" X 48"	12. 00			1		1	1
58	USH 41, N. OF ERDMAN LA	R5- 1	36" X 36"	9. 00		1			1	1
59	ш	R5- 1A	42" X 30"	8. 75		1			1	1
60	ш	D1-1	96" X 21"	14. 00		2			1	2
61	ш	R6-2R	24" X 30"	5. 00		1			1	1
62	п	D10-3	12" X 48"	4. 00		1			1	1
63	п	D10-3	12" X 48"	4. 00		1			1	1
64	USH 41, S. OF BROOKSIDE RD	D1-1	108" X 21"	15. 75		2			1	2
65	п	R5- 1A	42" X 30"	8. 75						
66	11	R5- 1	36" X 36"	9. 00		1			1	1
67	BROOKSI DE RD	R6-2R							1	1
68	II.	R6- 1R	54" X 18"	6. 75						
69	11	R1-1	36" X 36"	7. 46					1	1
70	11	R6- 3A	30" X 24"	5. 00						
71	n .	R6-1L	54" X 18"	6. 75						
72	n .	R1-1	36" X 36"	7. 46					1	1
73	USH 41, AT BROOKSIDE RD	R4- 7	36" X 48"	12. 00			1		1	1
74	II.	R6- 2L	24" X 30"	5. 00		1			1	1
75	USH 41, N. OF BROOKSIDE RD	R5- 1	36" X 36"	9. 00		1			1	1
76	11	R5- 1A	42" X 30"	8. 75						
<u> </u>	PAGE SUBTOTALS	,		281. 22	0. 00	21	2	2	26	28

PLAN SHEET PRODUCED BY WisDOT - NE REGION

Sign				1	007 0010	007 0000	224 224	004 0040	004 0040	Taga 2000	
No. No. Location No. Code W. N. S. E.					637. 2210	637. 2230					638. 3000
SICA LOCATION COPE W. N. SEPLECTIVE RECRIT VE EACH SAN SAN											
NO. NO.											
The color of the											
Teal											
79											
1							1				
SI								=		1	1
82								2		1	
S3			1				2			1	2
84	82		R5- 1A	42" X 30"	8. 75		1			1	1
Signature Sign	83	II	J4- 1	36" X 54"	13. 50			1		1	1
86	84	II	J13-1	36" X 66"	16. 50				1	1	1
87	85	II	R5-1	36" X 36"	9. 00						
88	86	п	J13-1	36" X 66"	16. 50				1	1	1
R89	87	п	R3-1	36" X 36"	9. 00		1			1	1
90	88	СТН Ј	R1-1	36" X 36"	7. 46		1			1	1
91	89	USH 41, AT CTH J	R4-7	36" X 48"	12. 00			1		1	1
92 " R6-2R	90	СТН Ј	R6-2L							1	1
93	91	II .	R1-1	36" X 36"	7. 46		1			1	1
94	92	II .	R6-2R								
No - Ix No -	93	II .	R6-1L	54" X 18"	6. 75						
95	94	II .	R6-1R	54" X 18"	6. 75						
97	95	II.	R1- 1		7. 46				1	1	1
98 " " R6-2L " " " " " " " " " " " " " " " " " " "	96	u .	R6-3								
99	97	u .	R6-2R							1	1
99 "R6-1R 54" X 18" 6.75 100 "R1-1 36" X 36" 7.46 11 1 1 1 1 1 1 1 1 1 1 1 1		u .									
100		II .		54" X 18"	6. 75						
101		11							1	1	1
102		II .									
103		II .									
104		USH 41. N. OF CTH J									1
105							_			_	-
106		11						1		1	
107 " J13-1 36" X 66" 16.50 1 1 1 1 108 " J4-1 36" X 54" 13.50 1 1 1 1 1 109 " R5-1A 42" X 30" 8.75 1 1		11									
108 " J4-1 36" X 54" 13.50 1 1 1 109 " R5-1A 42" X 30" 8.75 1 1 1 110 VACANT 1 1 1 1 1 1 1 1 1 1 1 1 2 1 2 1 2 1 2 1 1 1 1 1		II .									
109 " R5-1A 42" X 30" 8.75 1 1 1 110 VACANT 1 2 112 " D1-2 120" X 36" 30.00 2 1 2 113 USH 41, S. 0F M00DY RD D1-61 72" X 30" 15.00 2 1 2 114 " R5-1A 42" X 30" 8.75 1		11									
110 VACANT 1 2 113 USH 41, S. 0F MOODY RD D1-61 72" X 30" 15.00 2 1 2 114 " R5-1A 42" X 30" 8.75 1		п									
111 VACANT 1 2 113 USH 41, S. OF MOODY RD D1-61 72" X 30" 15.00 2 1 2 114 " R5-1A 42" X 30" 8.75 1		VACANT									
112 " D1-2 120" X 36" 30.00 2 1 2 113 USH 41, S. 0F MOODY RD D1-61 72" X 30" 15.00 2 1 2 114 " R5-1A 42" X 30" 8.75 1											
112 D1-2 120 X 30 30.00 2 1 2 113 USH 41, S. 0F MOODY RD D1-61 72" X 30" 15.00 2 1 2 114 " R5-1A 42" X 30" 8.75 1			 								
114 " R5-1A 42" X 30" 8.75 1 1											
		USH 41, S. UF MUUDI KD									
	114	PAGE SUBTOTALS	KJ- IA	142 A 30	376. 09	0. 00	15	7	6	26	29

PLAN SHEET PRODUCED BY WisDOT - NE REGION

				637. 2210	637. 2230	634. 0614	634. 0616	634. 0618	638. 2602	638. 3000
				SI GNS	SI GNS	POSTS	POSTS	POSTS	REMOVI NG	REMOVI NG
				TYPE II	TYPE II	WOOD	WOOD	WOOD	SI GNS	SMALL SIGN
SI GN		SI GN		REFLECTI VE H	REFLECTI VE F	4x6x14	4x6x16	4x6x18	TYPE II	SUPPORTS
NO.	LOCATI ON	CODE	WXH	S. F.	S. F.	EACH	EACH	EACH	EACH	EACH
115	USH 41, S. OF MOODY RD	R2- 1	48" X 60"	20. 00			2		1	1
116	п	J1-1	36" X 57"	14. 25				1	1	1
117	п	R5- 1	36" X 36"	9. 00		1			1	1
118	II.	R4- 7	36" X 48"	12. 00			1		1	1
119	11	R3-1	36" X 36"	9. 00		1			1	1
120	MOODY RD	R6- 2L							1	1
121	11	R6- 2R								
122	11	R6- 1R	54" X 18"	6. 75						
123	11	R1-1	36" X 36"	7. 46				1	1	1
124	11	R6-3	30" X 24"	5. 00						
125	11	R6-1L	54" X 18"	6. 75						
126	USH 41, N. OF MOODY RD	R4-7	36" X 48"	12. 00			1		1	1
127	11	R3-1	36" X 36"	9. 00		1			1	1
128	MOODY RD	R6-1L	54" X 18"	6. 75						
129	11	R6- 1R	54" X 18"	6. 75						
130	II	R1-1	36" X 36"	7. 46				1	1	1
131	II	R6-3	30" X 24"	5. 00						
132	II	R6- 2R							1	1
133	II	R6- 2L								
134	USH 41, N. OF MOODY RD	R5- 1	36" X 36"	9. 00		1			1	1
135	II	R5- 1A	42" X 30"	8. 75						
136	II	D1-61	72" X 30"	15. 00		2			1	2
137	II	D10-3	12" X 48"	4. 00		1			1	1
138	II .	D10-3	12" X 48"	4. 00		1			1	1
139	USH 41, S. OF BROOKSIDE / HUEBSCHER RD	D1-61	126" X 48"	42. 00		2			1	2
140	II .	R5- 1A	42" X 30"	8. 75						
141	II .	R5- 1	36" X 36"	9. 00		1			1	1
142	BROOKSI DE RD / HUEBSCHER RD	R6- 2L							1	1
143	II.	R6- 2R								
144	II .	R6- 1R	54" X 18"	6. 75						
145	II.	R1-1	36" X 36"	7. 46				1	1	1
146	II.	R6-3	30" X 24"	5. 00						
147	II.	R6- 1L	54" X 18"	6. 75						
148	II.	R1-1	36" X 36"	7. 46		1			1	1
149	USH 41, AT BROOKSIDE / HUEBSCHER RD	R3- 1	36" X 36"	9. 00		1			1	1
150	II.	R4- 7	36" X 48"	12. 00			1		1	1
151	II.	R3-1	36" X 36"	9. 00		1			1	1
152	II.	R4- 7	36" X 48"	12. 00			1		1	1
	PAGE SUBTOTALS			313. 09	0.00	14	6	4	24	26

PLAN SHEET PRODUCED BY WisDOT - NE REGION

				637. 2210	637. 2230	634, 0614	634, 0616	634. 0618	638, 2602	638. 3000
				SI GNS	SI GNS	POSTS	POSTS	POSTS	REMOVI NG	REMOVI NG
				TYPE II	TYPE II	WOOD	WOOD	WOOD	SIGNS	SMALL SIGN
SI GN		SI GN			REFLECTI VE F	4x6x14	4x6x16	4x6x18	TYPE II	SUPPORTS
NO.	LOCATI ON	CODE	WХН	S. F.	S. F.	EACH	EACH	EACH	EACH	EACH
153	USH 41, N. OF BROOKSIDE / HUEBSCHER RD	R5- 1	36" X 36"	9. 00		1			1	1
154	HUEBSCHER RD	R6- 1L	54" X 18"	6. 75						
155	"	R6- 1R	54" X 18"	6. 75						
156	"	R1-1	36" X 36"	7. 46				1	1	1
157	"	R6-3	30" X 24"	5. 00						
158	"	R6- 2R							1	1
159	11	R6- 2L								
160	USH 41, N. OF BROOKSIDE / HUEBSCHER RD	R5- 1A	42" X 30"	8. 75						
161	ıı .	D1-61	126" X 48"	42. 00		2			2	1
162	II .	D10-3	12" X 48"	4. 00		1			1	1
163	II .	D10-3	12" X 48"	4. 00		1			1	1
164	USH 41, S. OF FROELICK RD	D1-61	84" X 30"	17. 50		2			1	2
165	II .	R5- 1A	42" X 30"	8. 75						
166	11	R5- 1	36" X 36"	9. 00		1			1	1
167	II .	R3- 1	36" X 36"	9. 00		1			1	1
168	FROELI CK RD	R6- 1L	54" X 18"	6. 75						
169	II .	R6- 1R	54" X 18"	6. 75						
170	II.	R1-1	36" X 36"	7. 46				1	1	1
171	II.	R6-3	30" X 24"	5. 00						
172	II.	R6- 2R							1	1
173	11	R6- 2L								
174	USH 41, AT FROELICK RD	R4-7	36" X 48"	12. 00			1		1	1
175	11	R4-7	36" X 48"	12. 00			1		1	1
176	FROELI CK RD	R6- 2L							1	1
177	II .	R6- 2R								
178	11	R6- 1R	54" X 18"	6. 75						
179	11	R1-1	36" X 36"	7. 46				1	1	1
180	11	R6-3	30" X 24"	5. 00						
181	11	R6- 1L	54" X 18"	6. 75						
182	USH 41, N. OF FROELICK RD	R3-1	36" X 36"	9. 00		1			1	1
183	11	R5- 1	36" X 36"	9. 00		1			1	1
184	n .	R5- 1A	42" X 30"	8. 75						
185	"	D1-61	84" X 30"	17. 50		2			1	2
186	USH 41, S. OF BELL BRIDGE RD	D1-61	126" X 30"	26. 25		2			1	2
187	11	R5- 1A	42" X 30"	8. 75						
188	11	R5- 1	36" X 36"	9. 00		1			1	1
189	USH 41, AT BELL BRIDGE RD	R4-7	36" X 48"	12. 00			1		1	1
	PAGE SUBTOTALS			314. 13	0. 00	16	3	3	22	24

PLAN SHEET PRODUCED BY WisDOT - NE REGION

				637. 2210	637. 2230		634. 0616			638. 3000
				SIGNS	SIGNS	POSTS	POSTS	POSTS	REMOVI NG	
GT GN		GT GN		TYPE II	TYPE II	WOOD	WOOD	WOOD	SIGNS	SMALL SIGN
SI GN	T O G L PRY O V	SI GN			REFLECTIVE F	4x6x14	4x6x16	4x6x18	TYPE II	SUPPORTS
NO.	LOCATI ON	CODE	WXH	S. F.	S. F.	EACH	EACH	EACH	EACH	EACH
190	USH 41, AT BELL BRIDGE RD	R3-1	36" X 36"	9. 00		1			1	1
191	BELL BRI DGE RD	R6- 1L	54" X 18"	6. 75						
192	"	R6- 1R	54" X 18"	6. 75						
193	"	R1-1	36" X 36"	7. 46				1	1	1
194	" "	R6-3	30" X 24"	5. 00						
195		R6- 2R							1	1
196	"	R6- 2L								
197	"	R6- 2L							1	1
198	"	R6- 2R								
199	"	R6- 1R	54" X 18"	6. 75						
200	"	R1-1	36" X 36"	7. 46				1	1	1
201	"	R6-3	30" X 24"	5. 00						
202	"	R6- 1L	54" X 18"	6. 75						
203	"	R1-1	36" X 36"	7. 46		1			1	1
204	USH 41, AT BELL BRIDGE RD	R3- 1	36" X 36"	9. 00		1			1	1
205	"	R4-7	36" X 48"	12. 00			1		1	1
206	USH 41, N. OF BELL BRIDGE RD	R5- 1	36" X 36"	9. 00		1			1	1
207	"	R5- 1A	42" X 30"	8. 75						
208	"	D1-61	126" X 30"	26. 25		2			1	2
209	II	D10-3	12" X 48"	4. 00		1			1	
210	II	D10-3	12" X 48"	4. 00		1			1	
211	USH 41, S. OF BROOKSIDE CEMETARY RD	J1-1	36" X 57"	14. 25				1	1	1
212	II .	D1-2	114" X 36"	28. 50		2			1	2
213	"	D1- 1	96" X 21"	14. 00		2			1	2
214	"	R2-1	48" X 60"	20. 00			2		1	1
215	"	R3- 20R	36" X 54"	13. 50				1	1	1
216	"	R3- 20L	36" X 54"	13. 50				1	1	1
217	"	R5- 1A	42" X 30"	8. 75						
218	"	J4-2	72" X 54"	27. 00				1	1	1
219	BROOKSI DE CEMETARY RD	J3- 1	24" X 57"	9. 50				1	1	1
220	n .	R6-2R								
221	n .	R6- 1R	54" X 18"	6. 75						
222	"	R1-1	36" X 36"	7. 46				1	1	1
223	"	R6-3	30" X 24"	5. 00						
224	"	R6-1L	54" X 18"	6. 75						
225	"	R1-1	36" X 36"	7. 46		1			1	1
226	USH 41, AT BROOKSIDE CEMETARY RD	R4-7	36" X 48"	12. 00			1		1	1
227	"	R5- 1	36" X 36"	9. 00		1			1	1
	<u> </u>		1 2 2		ļ				24	25

PLAN SHEET PRODUCED BY WisDOT - NE REGION

HWY: USH 41 PROJECT NUMBER: 1150-60-71 COUNTY: OCONTO MISCELLANEOUS QUANTITIES SHEET

SI GN NO.	LOCATI ON	SI GN CODE	wхн	637. 2210 SI GNS TYPE II REFLECTI VE H S. F.	637. 2230 SI GNS TYPE II REFLECTI VE F S. F.	634. 0614 POSTS WOOD 4x6x14 EACH	634. 0616 POSTS WOOD 4x6x16 EACH	634. 0618 POSTS WOOD 4x6x18 EACH	638. 2602 REMOVI NG SI GNS TYPE II EACH	638. 3000 REMOVI NG SMALL SI GN SUPPORTS EACH
228	USH 41, AT BROOKSIDE CEMETARY RD	J13-1	36" X 66"	16. 50	э. г.			1	1	1
229	USH 41, AT DROURSTDE CEWETART RD	R4- 7	36" X 48"	12. 00			1		1	1
230	II.	R3- 1	36" X 36"	9. 00		1			1	1
231	BROOKSI DE CEMETARY RD	R6-1L	54" X 18"	6. 75						
232	II	R6-1R	54" X 18"	6. 75						
233	II .	R1-1	36" X 36"	7. 46				1	1	1
234	II .	R6- 3	30" X 24"	5. 00						
235	II .	J3- 1	24" X 57"	9. 50				1	1	1
236	II .	R1-1	36" X 36"	7. 46		1			1	1
237	USH 41, AT BROOKSIDE CEMETARY RD	R3- 1	36" X 36"	9. 00		1			1	1
238	11	J13-1							1	1
239	USH 41, N. OF BROOKSIDE CEMETARY RD	R5- 1	36" X 36"	9. 00						
240	11	J13-1	36" X 66"	16. 50			1		1	1
241	11	R6- 2L								
242	II.	R3- 20R	36" X 54"	13. 50				1	1	1
243	п	J4-2	72" X 54"	27. 00				1	1	1
244	п	R5- 1A	42" X 30"	8. 75						
245	п	R3-20L	36" X 54"	13. 50				1	1	1
246	п	D1-2	114" X 36"	28. 50		1			1	2
247	п	D1-1							1	2
248	II .	I 55- 56							1	1
249	п	J1-1	36" X 57"	14. 25				1	1	1
250	II .	W11-3							1	1
250A	п	W57-51								
251	n .	R2-1	48" X 60"	20. 00			2		1	1
252	USH 41, S. OF VERMEIREN RD	W5-52L							1	1
253	II	I 3- 1	78" X 36"	19. 50			2		1	1
254	п	W5-52R							1	1
255	II .	W5-52R							1	1
256	11	I3-1	78" X 36"	19. 50			2		1	1
257	11	W5-52L							1	1
258	II .	D10-3	12" X 48"	4. 00		1			1	1
259	ıı .	D10-3	12" X 48"	4. 00		1			1	1
260	п	R5- 1A	42" X 30"	8. 75		1			1	1
261	ıı .	R5-1	36" X 36"	9. 00		1			1	1
262	"	R6- 2L	24" X 30"	5. 00		1			1	1
263	"	R5- 1	36" X 36"	9. 00		1			1	1
264	"	R5- 53A							1	1
265	"	R5- 1A	42" X 30"	8. 75		1			1	1
266	"	D1-61	114" X 30"	23. 75		2			1	2
267	"	R5- 1A	42" X 30"	8. 75						
268		R5-1	36" X 36"	9. 00		1			1	1
920	VERMEI REN RD	R6- 2L							1	1
269 270	"I	R6-2R								

PLAN SHEET PRODUCED BY WisDOT - NE REGION

PROJECT NUMBER: 1150-60-71

HWY: USH 41

COUNTY: OCONTO

MISCELLANEOUS QUANTITIES

SHEET

E

SI GN NO.	LOCATI ON	SI GN CODE	W X H	637. 2210 SI GNS TYPE II REFLECTI VE H S. F.	637. 2230 SI GNS TYPE II REFLECTI VE F S. F.	POSTS WOOD	634. 0616 POSTS WOOD 4x6x16 EACH	634. 0618 POSTS WOOD 4x6x18 EACH	638. 2602 REMOVI NG SI GNS TYPE 11 EACH	638. 3000 REMOVING SMALL SIGN SUPPORTS EACH
271	VERMEI REN RD	R6- 1R	54" X 18"	6. 75						
272	II	R1-1	36" X 36"	7. 46				1	1	1
273	П	R6-3	30" X 24"	5. 00						
274	П	R1-1	36" X 36"	7. 46		1			1	1
275	П	R6- 1L	54" X 18"	6. 75						
276	USH 41, AT VERMEIREN RD	R4- 7	36" X 48"	12. 00			1		1	1
277	"	R4- 7	36" X 48"	12. 00			1		1	1
278	VERMEI REN RD	R1-1	36" X 36"	7. 46		1			1	1
279	II	R6- 1L	54" X 18"	6. 75						
280	II .	R6-1R	54" X 18"	6. 75						
281	п	R1-1	36" X 36"	7. 46				1	1	1
282	п	R6-3	30" X 24"	5. 00						
283	п	R6- 2R							1	1
284	п	R6- 2L								
285	USH 41, N. OF VERMEIREN RD	R5- 1	36" X 36"	9. 00		1			1	1
286	"	R5- 1A	42" X 30"	8. 75						
287	п	D1-60	114" X 30"	23. 75			2		1	2
288	п	D10-3	12" X 48"	4. 00		1			1	1
289	п	D10-3	12" X 48"	4. 00		1			1	1
290	USH 41, S. OF KRUEGERS QUARRY RD	D1-3	96" X 48"	32. 00			2		1	2
291	II .	R5- 1A	42" X 30"	8. 75						
292	п	R5- 1	36" X 36"	9. 00		1			1	1
293	KRUEGERS QUARRY RD	R6- 2R							1	1
294	II.	R6- 2L								
295	п	R6-1L	54" X 18"	6. 75						
296	п	R6- 1R	54" X 18"	6. 75						
297	II.	R1-1	36" X 36"	9. 00				1	1	1
298	II .	R6-3	30" X 24"	5. 00						
299	USH 41, AT KRUEGERS QUARRY RD	R4-7	36" X 48"	12. 00			1		1	1
300	n .	R3-1	36" X 36"	9. 00			1		1	1
301	II .	R3-1	36" X 36"	9. 00			1		1	1
302	п	R4- 7	36" X 48"	12. 00			1		1	1
303	OLD HWY 41 RD	R6- 1L	54" X 18"	6. 75						
304	п	R6- 1R	54" X 18"	6. 75						
305	II .	R1-1	36" X 36"	9. 00				1	1	1
306	п	R6-3	30" X 24"	5. 00						
307	II .	R6- 2R							1	1
308	п	R6- 2L								
309	USH 41, N. OF KRUEGERS QUARRY RD	R5- 1	36" X 36"	9. 00		1			1	1
310	п	J4-1	36" X 54"	13. 50				1	1	1
311	п	R5- 1A	42" X 30"	8. 75						
312	п	D1-3	96" X 48"	32. 00			2		1	2
313	п	D1-1	96" X 21"	14. 00		2				
314	п	D1-1							1	2
	PAGE SUBTOTALS			364. 34	0.00	9	12	5	25	29

2628. 63

PLAN SHEET PRODUCED BY WisDOT - NE REGION

232 209

PROJECT NUMBER: 1150-60-71

HWY: USH 41

COUNTY: OCONTO

PROJECT TOTALS

MISCELLANEOUS QUANTITIES

176.00

120

56

39

SHEET

 \mathbf{E}

643- TRAFFIC CONTROL ITEMS

STATI ON TO	STATI ON	LOCATI ON	TRAFFI C CONTROL DRUMS 643. 0300 DAY	TRAFFI C CONTROL BARRI CADES TYPE 111 643. 0420 DAY	TRAFFI C CONTROL WARNI NG LI GHTS TYPE A 643. 0705 DAY	TRAFFI C CONTROL WARNI NG LI GHTS TYPE C 643. 0715 DAY	TRAFFI C CONTROL ARROW BOARDS 643. 0800 DAY	TRAFFI C CONTROL SI GNS 643. 0900 DAY	TRAFFI C CONTROL SI GNS PCMS 643. 1050 DAY	REMARKS
STAGE 1A&B										
105+30 SB -	523+70 SB	USH 41	9324	336	672	315	21	1386	7	PLACE PCMS ~STA 534+50
109+51 NB -	523+70 NB	USH 41	9240	336	672	315	21	1617	7	PLACE PCMS ~STA 117+25
PROJECT L	LENGTH .	MEDI ANS	4800							
PROJECT L	ENGTH	SI DE ROADS						420		
		STAGE 1(A&B) TOTAL	23364	672	1344	630	42	3423	14	
STAGE 2										
105+30 SB -	523+70 SB	USH 41	11544	416	832	390	26	1716		
116+00 NB -	523+70 NB	USH 41	11440	416	832	390	26	2002		
PROJECT L	LENGTH	SI DE ROADS	5200					520		
		STAGE 2 TOTAL	28184	832	1664	780	52	3718	0	
STAGE 3										
105+30 SB -	523+70 SB	USH 41	2220	80	160	75	5	330		
116+00 NB -	523+70 NB	USH 41	2200	80	160	75	5	385		
PROJECT L	ENGTH	SI DE ROADS						100		
		STAGE 3 TOTAL	4420	160	320	150	10	815	0	
		ፐርፒላ፣	55069	1664	2220	1560	104	9476	1.4	
		STAGE 3 TOTAL TOTAL	55968	160	320	150	10	815 8476	14	

PAVEMENT MARKING EPOXY 4-INCH

646. 0106

			LF			
STATION T	TO STATION	LOCATI ON	YELLOW	WHITE		
STAGE 2						
105+30 SB	- 359+24 S	B USH 41 LT		24322		
359+24 SB	- 523+70 S	B USH 41 LT		16013		
128+00 NB	- 379+47 N	B USH 41 RT		24021		
379+47 NB	- 523+70 N	B USH 41 RT		14149		
9+00 J	- 9+46 J	СТН Ј	59	28		
11+00 J	- 11+59 J	СТН Ј	68	12		
30+26 BC	31+27 BC	C CTH SS	202	88		
		STAGE 2 TOTALS	329	78633		
STAGE 3						
105+30 SB	- 359+24 S	B USH 41 RT	24548			
359+24 SB	- 523+70 S	B USH 41 RT	16098			
109+51 NB	- 379+47 N	B USH 41 LT	25780			
379+47 NB	- 523+70 N	B USH 41 LT	14227			
		STAGE 3 TOTALS	80653	0		
		TOTAL	80982	78633		

PAVEMENT MARKING GROOVED WET REFLECTIVE TAPE

CONTRAST TAPE 4-INCH 646. 0841. S

STATI ON	T0	STATI ON	LOCATI ON	LF	REMARKS
105+30 SB	-	359+24 SB	USH 41 LT	6350.00	GROOVE OVER EXIST PVMT MARKS
128+00 NB	-	379+47 NB	USH 41 RT	6713	GROOVE OVER EXIST PVMT MARKS
359+24 SB	-	523+70 SB	USH 41 LT	4113	GROOVE OVER EXIST PVMT MARKS
379+47 NB	-	523+70 NB	USH 41 RT	3613.00	GROOVE OVER EXIST PVMT MARKS
•		•		•	

TOTAL 20789

PROJECT NO: 1150-60-71 HWY: USH 41 COUNTY: OCONTO MISCELLANEOUS QUANTITIES SHEET: **E**

3

TRAFFIC CONTROL (PROJECT)

1 COCATI ON EACH REMARKS

PROJECT 1

TOTAL 1

PAVEMENT MARKING GROOVED WET REFLECTIVE TAPE 8-INCH

				646. 0883. S	
STATI ON	T0	STATI ON	LOCATI ON	LF	REMARKS
STAGE 2					
374+93 SB	-	375+94 SB	USH 41 LT	100	
222+69 SB	-	224+44 SB	USH 41 LT	175	
372+17 NB	-	374+17 NB	USH 41 RT	200	
11+04 J	-	11+14 J	СТН Ј	20	CHANNELIZING AT ISLAND
30+58 BC	-	30+73 BC	CTH SS	30	CHANNELIZING AT ISLAND
			STAGE 2 TOTAL	525	
STAGE 3					
128+09 NB	_	129+09 NB	USH 41	100	
143+70 NB	_	144+70 NB	USH 41	100	
173+71 NB	_	174+71 NB	USH 41	100	
199+01 NB	_	200+01 NB	USH 41	100	
220+19 NB	_	221+19 NB	USH 41	100	
232+93 NB	-	233+93 NB	USH 41	100	
273+36 NB	_	274+36 NB	USH 41	100	
307+50 NB	_	308+50 NB	USH 41	100	
338+21 NB	_	339+21 NB	USH 41	100	
372+60 NB	_	373+60 NB	USH 41	100	
427+50 NB	_	428+50 NB	USH 41	100	
462+35 NB	_	463+35 NB	USH 41	100	
145+82 SB	_	146+82 SB	USH 41	100	
175+98 SB	_	176+98 SB	USH 41	100	
201+28 SB	_	202+28 SB	USH 41	100	
222+46 SB	_	223+46 SB	USH 41	100	
235+19 SB	_	236+19 SB	USH 41	100	
275+50 SB	_	276+50 SB	USH 41	100	
309+64 SB	_	310+64 SB	USH 41	100	
340+34 SB	_	341+34 SB	USH 41	100	
375+45 SB	-	377+45 SB	USH 41	200	_
429+87 SB	_	430+87 SB	USH 41	100	
464+29 SB	_	465+29 SB	USH 41	100	
			STAGE 3 TOTAL	2400	
<u> </u>			ΤΩΤΛΙ	2025	

TOTAL 2925

PROJECT NO: 1150-60-71 HWY: USH 41 COUNTY: OCONTO MISCELLANEOUS QUANTITIES SHEET: **E**

PAVEMENT MARKING OUTFALL

LOCATI ON

STATI ON

646. 0805. S EACH

REMARKS

SIATION	LOCATION	LACII	KEWAKKS				
109+51 NB - 124+00 N	IB USH 41 LT & RT	8	LOCATE IN FIELD				
	OO NB USH 41 LT & RT	8 2	LOCATE IN FIELD		D		
	00 NB USH 41 LT & RT	2.			PAVEMENT MARKING OUT	TFALL, CONT.	
	50 NB USH 41 LT & RT	2					
	00 NB USH 41 LT & RT	2			* aa:	646. 0805. S	
	00 NB USH 41 LT & RT	2		STATI ON	LOCATI ON	EACH	REMARKS
	50 NB USH 41 LT & RT	2					
	OO NB USH 41 LT	1		354+50 NB	USH 41 RT	1	
	50 NB USH 41 LT	1		359+00 NB	USH 41 LT	1	
	OO NB USH 41 RT	1		360+10 NB	USH 41 RT	1	
	OO NB USH 41 RT	1		362+50 NB	USH 41 LT	1	
	50 NB USH 41 RT	1		366+00 NB	USH 41 LT	1	
	OO NB USH 41 RT	1		369+50 NB	USH 41 LT	1	
	50 NB USH 41 RT	l •		372+50 NB	USH 41 LT	1	
	50 NB USH 41 RT 00 NB USH 41 LT	1		376+00 NB	USH 41 LT	1	
	OO NB USH 41 LT & RT	1		379+00 NB	USH 41 LT	1	
	OO NB USH 41 LT & RT	ے 9		381+60 NB	USH 41 LT & RT	2	
	00 NB USH 41 LT & RT	2.		362+50 SB	USH 41 LT	1	
	50 NB USH 41 LT & RT	2		365+00 SB	USH 41 LT	1	
	00 NB USH 41 LT & RT	2	_	369+50 SB	USH 41 LT	1	
	50 NB USH 41 LT & RT	2		373+00 SB	USH 41 LT	1	
	50 NB USH 41 LT & RT	2		376+50 SB	USH 41 LT	1	
217+	OO NB USH 41 LT & RT	2		380+00 SB	USH 41 LT	1	
221+	OO NB USH 41 LT & RT	2		384+00 SB	USH 41 LT	1	
	OO NB USH 41 LT & RT	2		388+00 SB	USH 41 LT & RT	2	
	80 NB USH 41 RT	1		392+00 SB	USH 41 LT & RT	2	
	OO NB USH 41 LT	1		395+90 SB	USH 41 LT & RT	2	
	50 NB USH 41 LT	1		402+00 SB	USH 41 LT & RT	2	
	00 NB USH 41 LT	1.		407+00 SB	USH 41 LT & RT	2	
	50 NB USH 41 LT	1		412+00 SB	USH 41 LT & RT	2	
	OO NB USH 41 LT	l •		417+00 SB	USH 41 LT & RT	2	
	50 NB USH 41 LT 00 NB USH 41 LT	1 1		422+00 SB	USH 41 LT & RT	2	
	00 NB USH 41 LT 50 NB USH 41 LT	1 1		427+00 SB	USH 41 LT & RT	2	
	00 NB USH 41 LT	1 1		432+00 SB	USH 41 LT & RT	2	
	50 NB USH 41 LT	1		437+00 SB	USH 41 LT & RT	2	
	00 NB USH 41 LT	1		442+00 SB	USH 41 LT & RT	2	
	00 NB USH 41 RT	1		447+00 SB	USH 41 LT & RT	2	
	OO NB USH 41 LT & RT	2		450+80 SB	USH 41 LT & RT	2	
	50 NB USH 41 LT & RT	2		456+00 SB	USH 41 LT & RT	2	
	OO NB USH 41 LT & RT	2		459+50 SB	USH 41 LT	1	
	OO NB USH 41 LT & RT	2		463+00 SB	USH 41 LT	1	
	OO NB USH 41 LT & RT	2		466+50 SB	USH 41 LT	1	
	OO NB USH 41 LT & RT	2		471+00 SB	USH 41 LT & RT	2	
	OO NB USH 41 LT & RT	2		476+00 SB	USH 41 LT & RT	2	
	OO NB USH 41 LT & RT	2		481+00 SB	USH 41 LT & RT	2	
	OO NB USH 41 LT & RT	2		486+00 SB	USH 41 LT & RT	2	
	OO NB USH 41 LT & RT	2		491+00 SB	USH 41 LT & RT	2	
	00 NB USH 41 LT & RT	2 2		496+00 SB	USH 41 LT & RT	2	
	00 NB USH 41 LT & RT 50 NB USH 41 LT & RT	2		501+00 SB	USH 41 LT & RT	2	
	OO NB USH 41 LT & RT	ے 9		511+00 SB	USH 41 LT & RT	2	
	00 NB USH 41 LT & RT	2.		516+00 SB	USH 41 LT & RT	2	
	00 NB USH 41 LT	1		521+00 SB	USH 41 LT & RT	2	
			_		TOTAL	166	
20 IEOT NO. 4450 00 74	LINANY LIGHT 44	Т	COLINITY: COOLITO	MICOSILIANISCUO CUANTITI	-0		OUEET
ROJECT NO: 1150-60-71	HWY: USH 41		COUNTY: OCONTO	MISCELLANEOUS QUANTITIE			SHEET:
LE NAME: N:\PDS\\030200_mq.pptx			PLOT DATE: Jui	ne 14, 1911 PLOT BY: A.R.H.	PLOT NAME :	PLOT SCALE : 1:1	

CONSTRUCTION STAKING RESURFACING REFERENCE

 STATI ON	ТО	STATI ON	LOCATI ON	650. 8000 LF
105+30 SB	-	359+24 SB	USH 41	25394
128+00 NB	-	379+47 NB	USH 41	25147
359+24 SB	-	523+70 SB	USH 41	16446
 379+47 NB	-	523+70 NB	USH 41	14426
			TOTAL	81413

CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (1150-60-71)

	650. 9910	
LOCATI ON	LS	REMARKS
PROJECT	1	
TOTAL	1	<u> </u>

CONSTRUCTION STAKING SLOPE STAKES FOR BARRIER SYSTEM GRADING SHAPING FINISHING*

				*
 STATI ON	TO	STATI ON	LOCATI ON	LF
 205+99 SB		211+49 SB	USH 41 LT	550
392+33 NB	-	394+55 NB	USH 41 RT	222
392+81 NB	-	394+55 NB	USH 41 LT	174
 446+75 NB	-	448+45 NB	USH 41 RT	170
			TOTAI	1116

TOTAL 1116

CONSTRUCTION STAKING PIPE CULVERTS

		650. 6000	
STATI ON	LOCATI ON	EACH	REMARKS
316+08. 63 SB	USH 41 LT	1	
316+13. 63 SB	USH 41 LT	1	
	TOTAL	2	

ATR WAVETRONIX DETECTOR

		CONCRETE BASES TYPE 2	TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE	POLES TYPE	I NSTALLI NG POLE MOUNTED CABI NET	INSTALLING 2 SOLAR PANELS ON ONE BRACKET	I NSTALLI NG WAVETRONI X CLI CK 200 MODULE	I NSTALLI NG WAVETRONI X DETECTOR MODULE	I NSTALLI NG CONCRETE MAI NTENANCE PLATFORM	GRADI NG, SHAPI & FINISHING FO ATR SITE
STATI ON	LOCATI ON	654. 0102 EACH	657. 0255 EACH	657. 0310 EACH	SPV. 0060. 01 EACH	SPV. 0060. 02 EACH	SPV. 0060. 03 EACH	SPV. 0060. 04 EACH	SPV. 0060. 05 EACH	SPV. 0060. 06 EACH
125+00 NB	USH 41 LT	1	1	1	1	1	1	1	1	1
	T(OTAL 1	1	1	1	1	1	1	1	1

STATE WILL PROVIDE THE FOLLOWING ITEMS:

* NON-BID ITEM FOR INFORMATION ONLY

2 SOLAR PANELS AND ONE BRACKET
CCTV MOUNTED CABINET
WAVETRONIX HD-125 UNIT & 40' CABLE
WAVETRONIX CLICK 200 SURGE ARRESTOR MODULE
WIRE AND HARDWARE NEEDED FOR INSTALLATION

SPV. 0060. 06 GRADING, SHAPING, & FINISHING FOR ATR SITE

	FILL		SALVAGED TOPSOI L	FERTILIZ TYPE B	MI XTIIRE	
STATI ON	CY		SY	СШТ	LB	EACH
125+00 NB	3		15	0. 01	0. 25	1
TITLE OF A SER	OH ANDTED TO	DOD D	TR THEORIGA	T ON ONT W		

* ITEMS AND QUANTITIES FOR BID INFORMATION ONLY

PROJECT NO: 1150-60-71 HWY: USH 41 COUNTY: OCONTO MISCELLANEOUS QUANTITIES SHEET: **E**

SAWING ASPHALT

690	0150
ooo.	0100

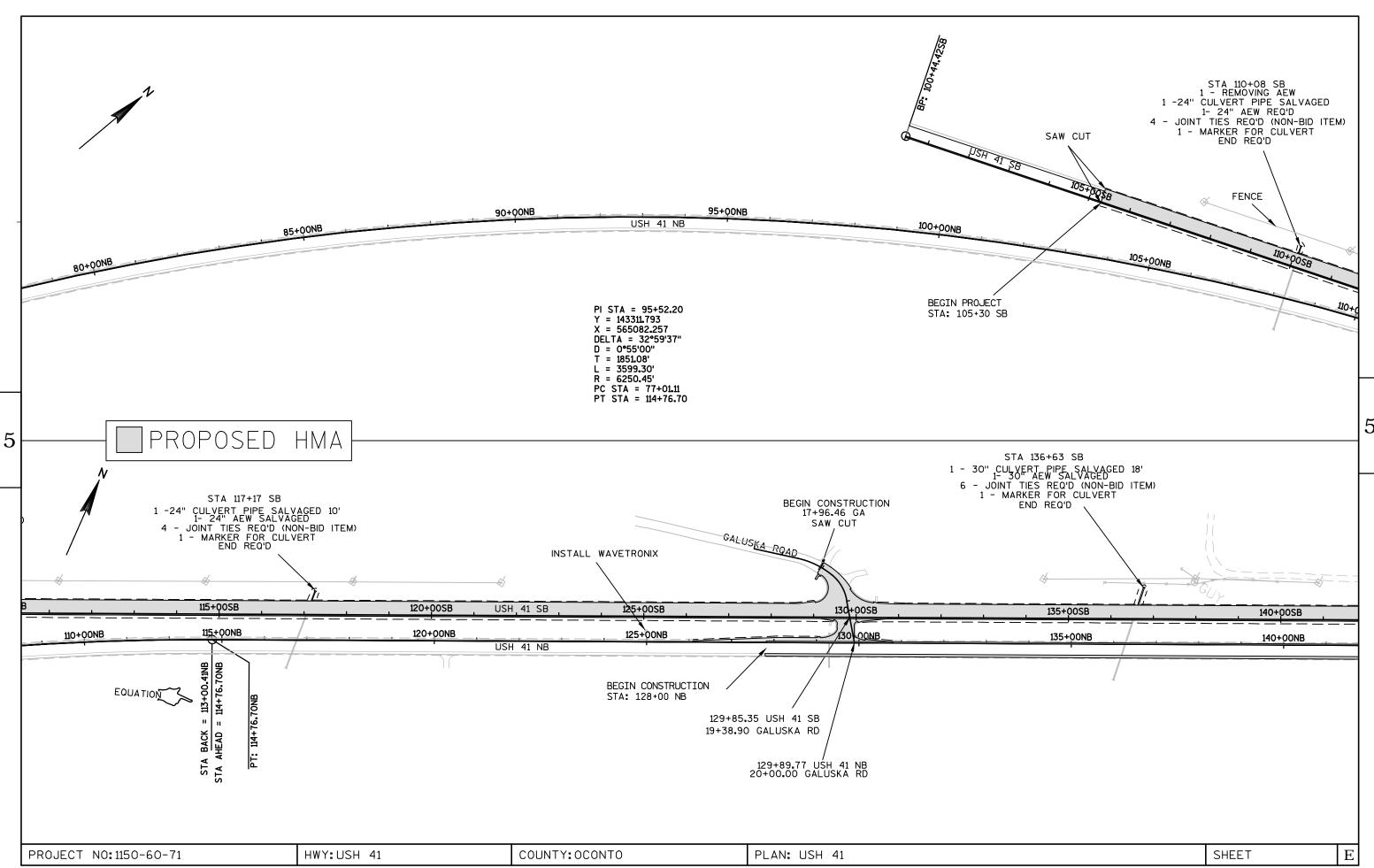
		690. 0150	
STATI ON	LOCATI ON	LF	REMARKS
TAGE 1A			
316+00 SB	USH 41	11	PI PE REPLACEMENT
316+23 SB	USH 41	11	PI PE REPLACEMENT
TAGE 1B			
105+30 SB	USH 41	3	INSIDE SHOULDER USH 41 SB
109+51 NB	USH 41	3	INSIDE SHOULDER USH 41 NB
359+24 SB	USH 41 RT	3	INSIDE SHOULDER
379+47 NB	USH 41 LT	3	INSIDE SHOULDER
395+96 SB	USH 41 RT	3	I NSI DE SHOULDER AT BRI DGE
397+29 SB	USH 41 RT	3	INSIDE SHOULDER AT BRIDGE
523+70 SB	USH 41 RT	3	INSIDE SHOULDER
	STAGE 1(A&B) TOTAL	43	-
STAGE 2			
105+30 SB	USH 41 LT	6	OUTSIDE SHOULDER USH 41 SB
128+00 NB	USH 41 RT	6	OUTSI DE SHOULDER USH 41 NB
359+24 SB	USH 41 LT	6	OUTSI DE SHOULDER USH 41 SB
379+47 NB	USH 41 RT	6	OUTSI DE SHOULDER USH 41 NB
395+96 SB	USH 41 LT	6	OUTSI DE SHOULDER AT BRI DGE
397+29 SB	USH 41 LT	6	OUTSI DE SHOULDER AT BRI DGE
523+70 NB	USH 41 RT	6	OUTSI DE SHOULDER
523+70 SB	USH 41 LT	6	OUTSI DE SHOULDER
17+96 GA	GALUSKA RD	28	
8+97 FA	FALK RD	29	
21+59 ER	ERDMAN RD	24	
11+54 BS	BROOKSI DE RD SOUTH	29	
9+00 J	COUNTY J	29	
11+59 J	COUNTY J	38	
29+01 MD	MOODY RD	29	
31+61 MD	MOODY RD	30	
18+38 BN	BROOKSI DE RD NORTH	38	
20+99 BN	BROOKSI DE RD NORTH	31	
28+79 FR	FROELI CK RD	30	
31+76 FR	FROELI CK RD	27	
28+85 BB	BELL BRIDGE RD	32	
31+66 BB	BELL BRIDGE RD	33	
27+67 BC	BROOKSI DE CEMETERY RD	27	
31+32 BC	BROOKSI DE CEMETERY RD	46	
18+71 VR	VERMEI REN RD	27	
21+87 VR	VERMEI REN RD	28	
18+30 KQ	KRUEGERS QUARRY RD	27	
<u> </u>	STAGE 2 TOTAL	630	-
	TOTAL	673	

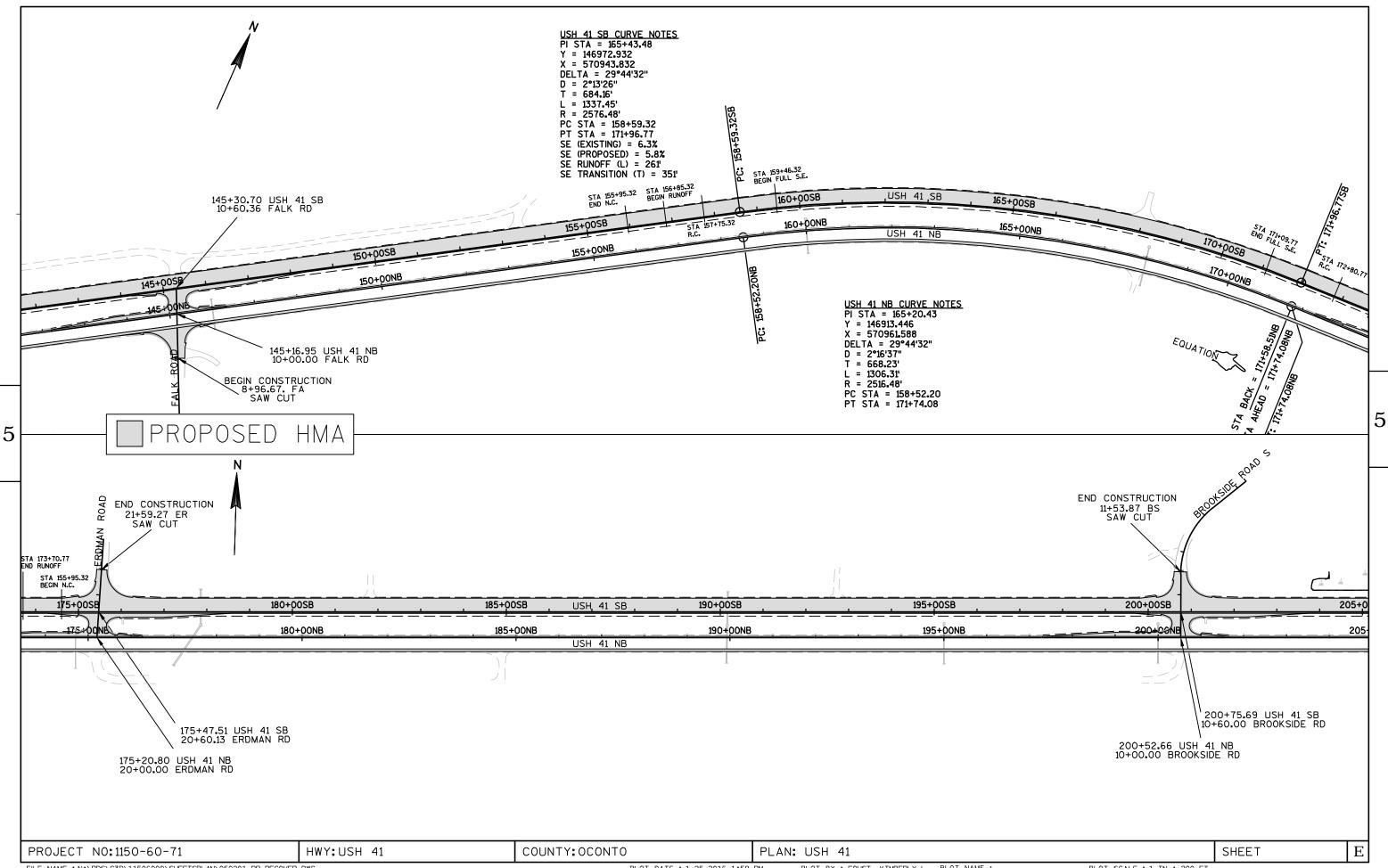
SAWING CONCRETE

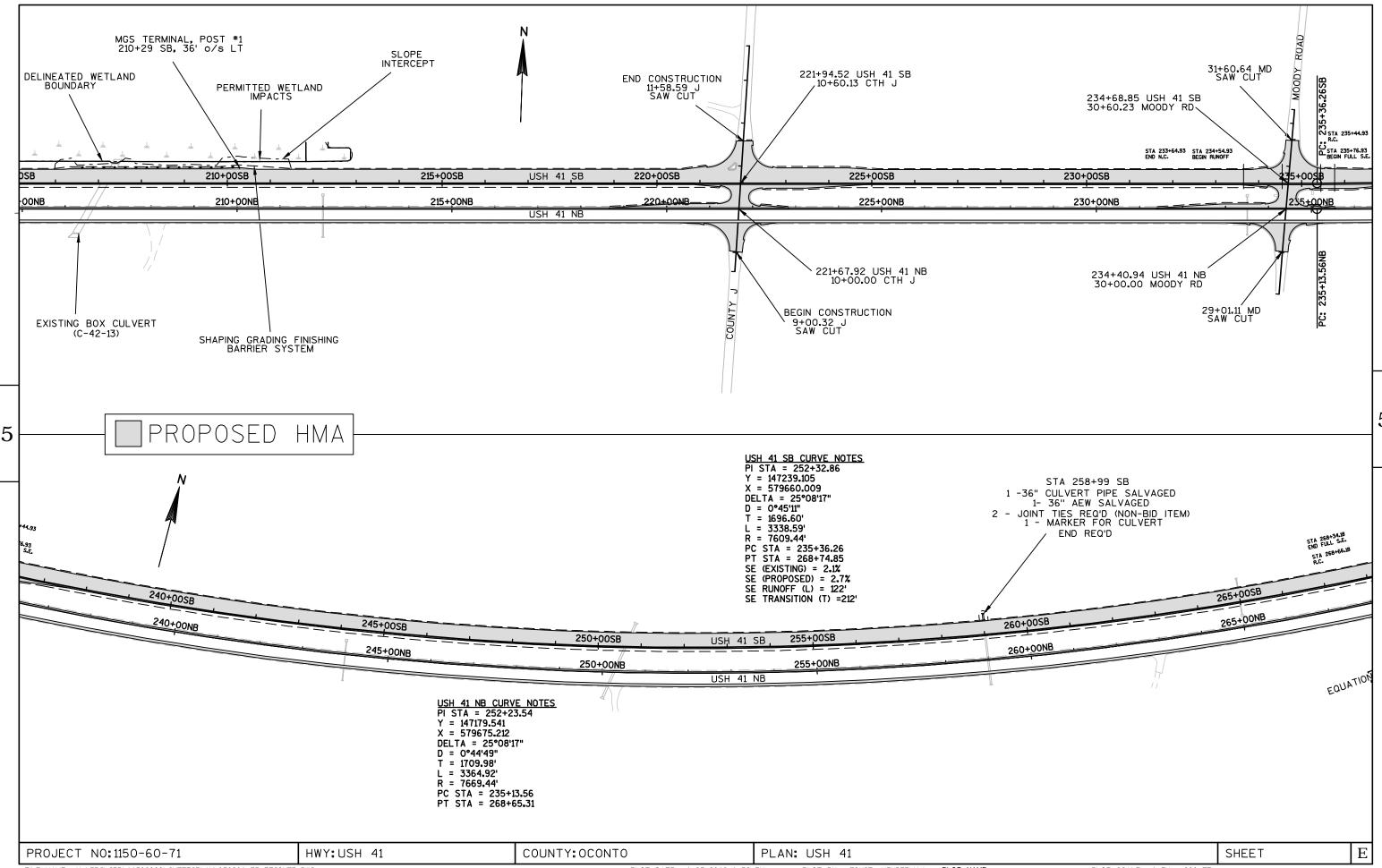
690. 0250

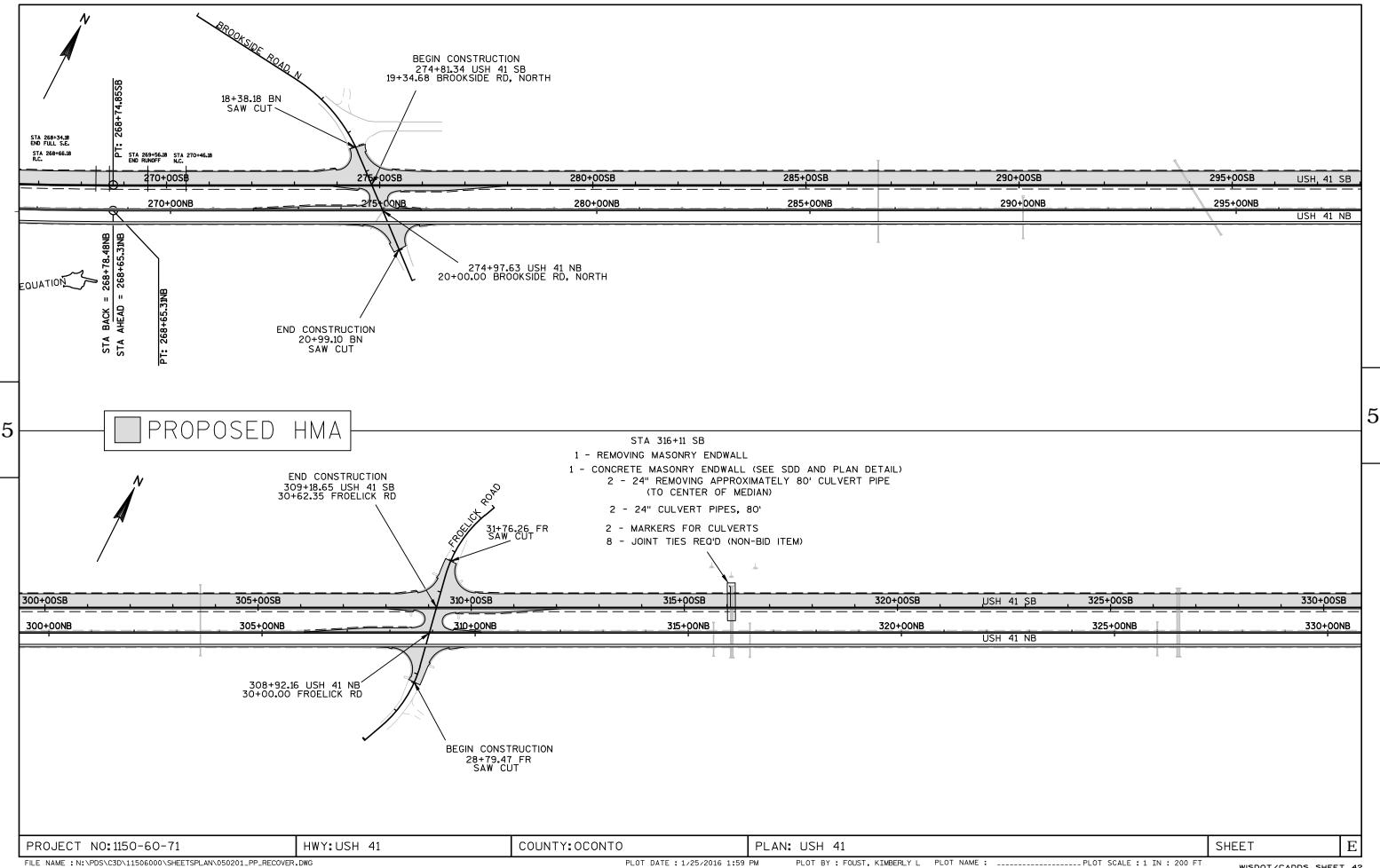
STATI ON	LOCATI ON	LF	REMARKS
STAGE 1A			
316+00 - 316+23 SB	USH 41	23	PI PE REPLACEMENT
316+00 SB	USH 41	24	PIPE REPLACEMENT
316+23 SB	USH 41	24	PIPE REPLACEMENT
	STAGE 1A TOTAL	71	

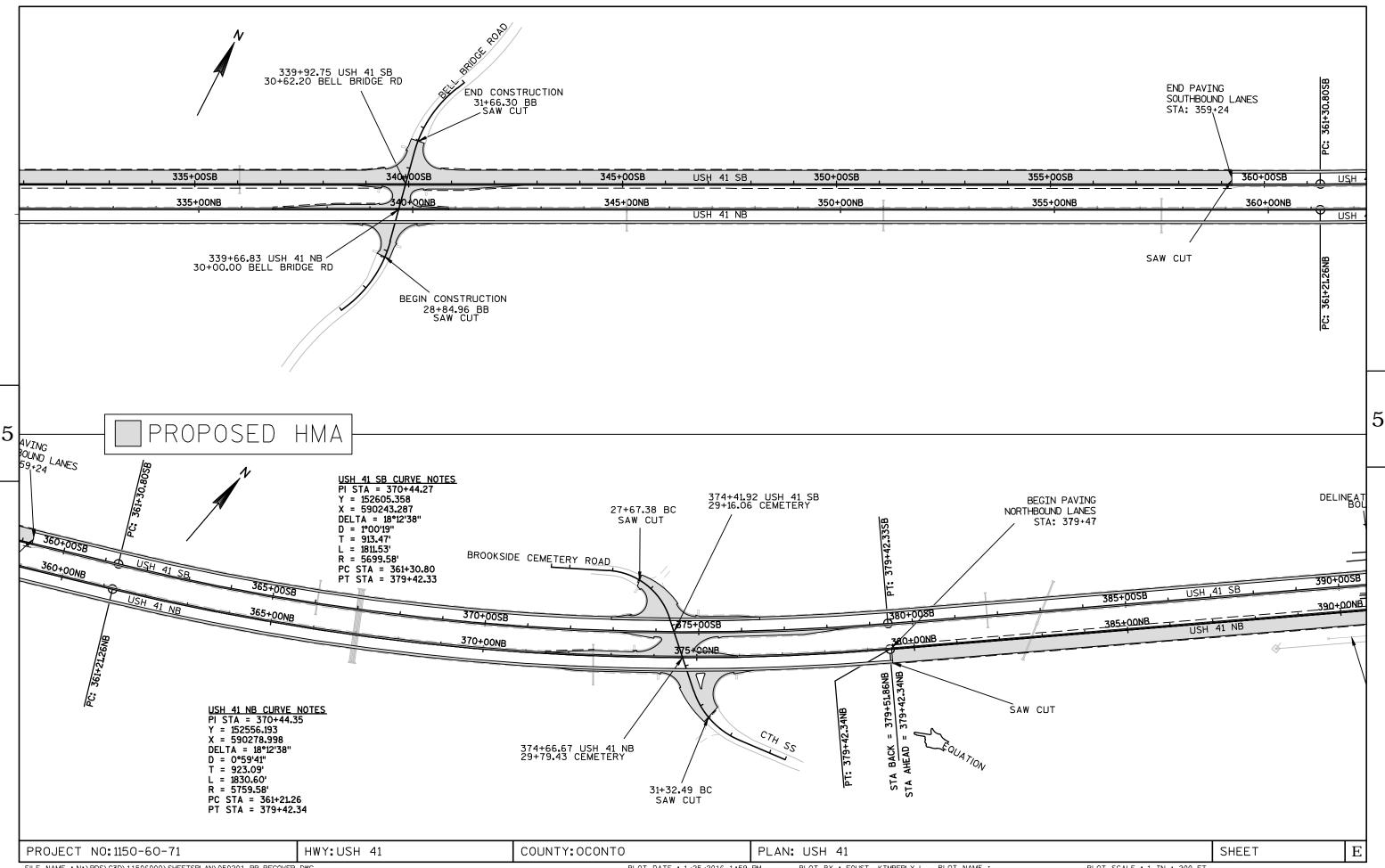
PROJECT NO: 1150-60-71 HWY: USH 41 COUNTY: OCONTO MISCELLANEOUS QUANTITIES SHEET: **E**

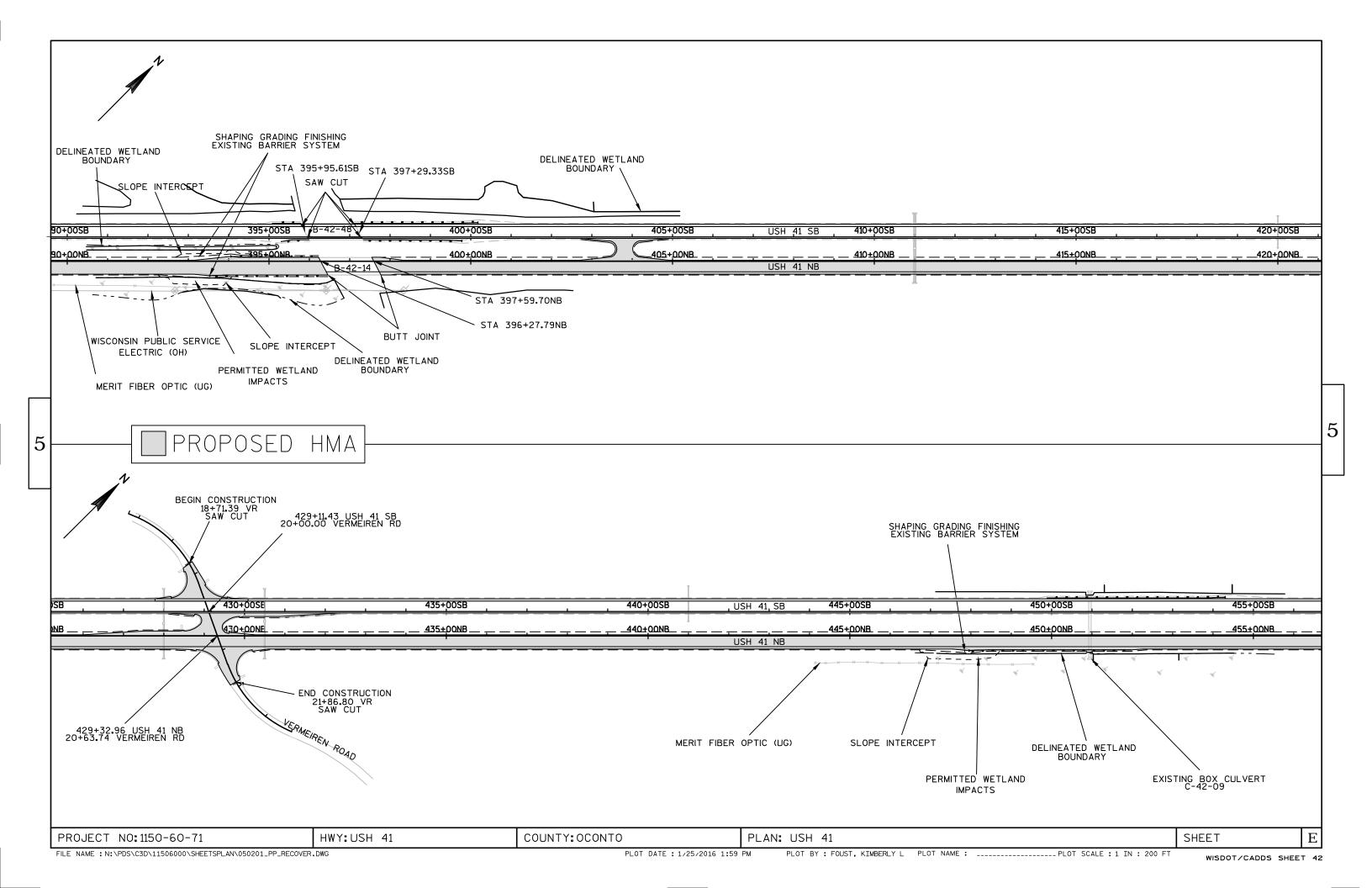


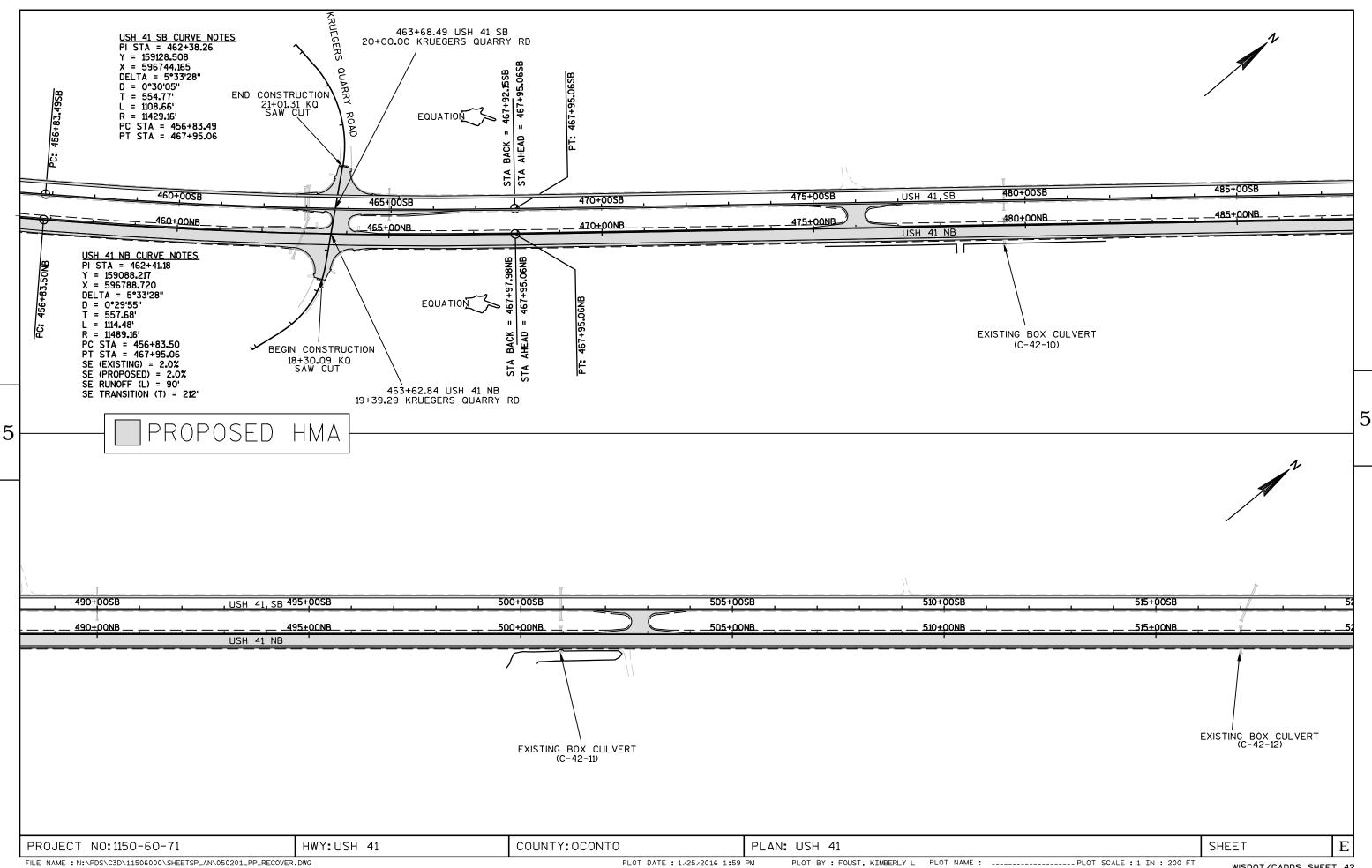


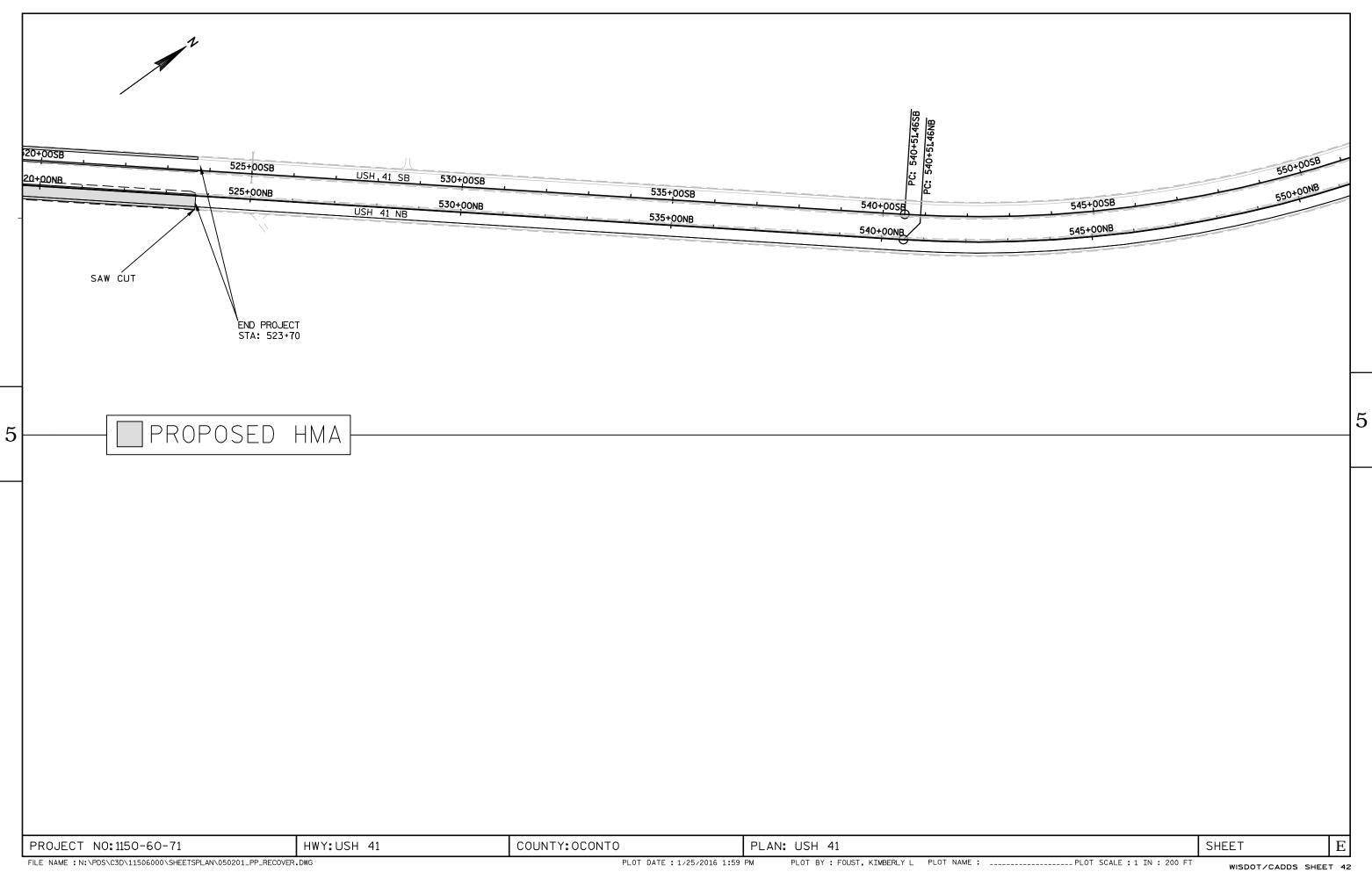






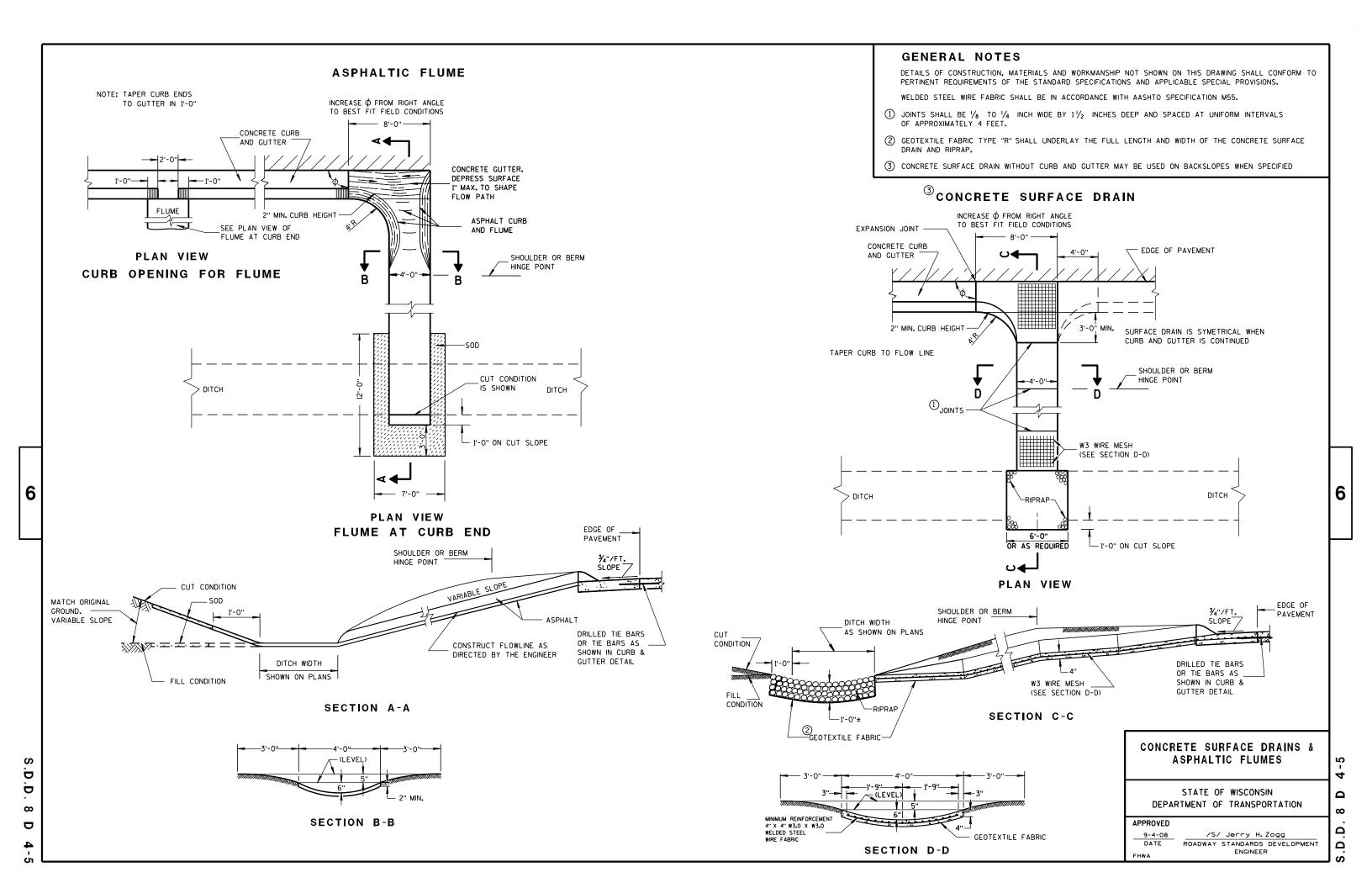


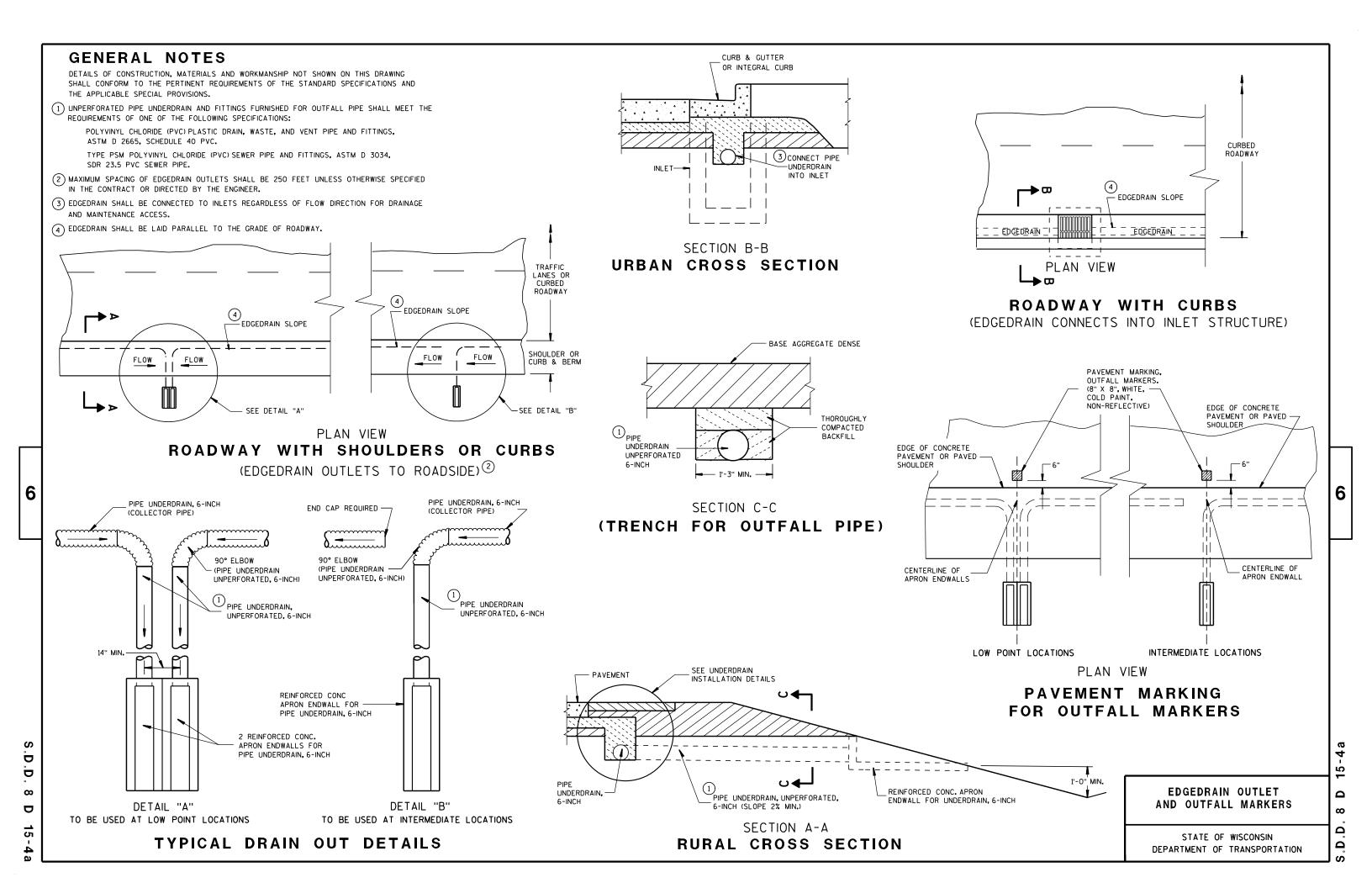




Standard Detail Drawing List

08D04-05 08D15-04A 08E09-06 08F01-11 08F04-07 08F10-01 09C02-07 09C03-04 09E01-14B 13A05-05A 14B29-01 14B42-03A 14B42-03B 14B42-03C 14B43-03A 14B43-03B	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES EDGEDRAIN OUTLET AND OUTFALL MARKERS SILT FENCE APRON ENDWALLS FOR CULVERT PIPE JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH CONCRETE BASES, TYPES 1, 2, 5, & 6 TRANSFORMER/PEDESTAL BASES POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS, TYPE 3 (HEAVY DUTY) SHOULDER RUMBLE STRIP, MILLING SAFETY EDGE MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L) MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)
14B43-03C 14B44-02A	MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L) MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-02B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-02C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B47-02A	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-02B	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-02C	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C08-16B	PAVEMENT MARKING (INTERSECTIONS)
15C08-16F	PAVEMENT MARKING (ISLANDS)





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)



SILT FENCE

S.D.D. 8 E 9-6

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METAL APRON ENDWALLS											
PIPE	E MIN. THICK.		DIMENSIONS (Inches)							APPROX.	
DIA.			A	В	-		L Li		L ₂ W		BODY
(IN.)	STEEL	ALUM.	(±1")	(MAX.)	(±1")	(±1 ½")	①	0	(±2")	SLOPE	
12	.064	.060	6	6	6	21	12	171/2	24	2½+o 1	1Pc.
15	.064	.060	7	8	6	26	14	213/4	30	21/2+o 1	1Pc.
18	.064	.060	8	10	6	31	15	281/4	36	21/2+o 1	1Pc.
21	.064	.060	9	12	6	36	18	295/8	42	21/2+o 1	1Pc.
24	.064	.075	10	13	6	41	18	371/4	48	21/2+o 1	1Pc.
30	.079	.075	12	16	8	51	18	521/4	60	21/2+0 1	1Pc.
36	.079	. 105	14	19	9	60	24	59¾	72	21/2+o 1	2 Pc.
42	.109	.105	16	22	11	69	24	75%	84	21/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 ¹ / ₄ +o 1	3 Pc.
54	.109	.105	18	30	12	84	30	851/2	102	2 ¹ / ₄ †o 1	3 Pc.
60	.109×	.105×	18	33	12	87	_	_	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	_	_	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	_	_	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	_	_	132	11/2+0 1	3 Pc.
84	.109×	.105×	18	45	12	87	_	_	138	11/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	_	_	144	11/2+0 1	3 Pc.
96	.109×	.105×	18	35	12	87	_	_	150	1/2+0 1	3 Pc.

	REINFORCED CONCRETE APRON ENDWALLS							
PIPE	DIMENSIONS (Inches)							APPROX.
DIA.	T	A	В	С	D	Ε	G	SLOPE
12	2	4	24	48 1/8	721/8	24	2	3 to 1
15	21/4	6	27	46	73	30	21/4	3 to 1
18	21/2	9	27	46	73	36	21/2	3 to 1
21	23/4	9	36	371/2	731/2	42	23/4	3 to 1
24	3	91/2	431/2	30	731/2	48	3	3 to 1
27	31/4	101/2	491/2	24	731/2	54	31/4	3 to 1
30	$3\frac{1}{2}$	12	54	193/4	731/2	60	31/2	3 to 1
36	4	15	63	34¾	97¾	72	4	3 to 1
42	$4\frac{1}{2}$	21	63	35	98	78	41/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	51/2		65	**************************************	8 ¹ / ₄ - 100	90	51/2	2% to 1
60	6	* ** 30-35	60	39	99	96	5	2 to 1
66	61/2	* ** 24-30	* * * 72-78	* * * 21-27	99	102	51/2	2 to 1
72	7	* ** 24-36	78	21	99	108	6	2 to 1
78	71/2	* ** 24-36	78	21	99	114	61/2	2 to 1
84	8	36	901/2	21	1111/2	120	61/2	1½+o 1
90	81/2	41	871/2	24	1111/2	132	61/2	11/2+0 1

THREADED %6" DIA. ROD CONNECTOR AROUND CULVERT & THROUGH TANK TYPE CONNECTOR LUG LUG OR ALTERNATE CONNECTOR STRAP (SEE DETAIL) MEASURED LENGTH OF CULVERT TYPE 1 FOR 12" THRU 24" CORR. PIPE







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

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

DIMPLED BAND MAY BE USED WITH HELICALLY

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

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

1" WIDE, 12 GA. (0.109" THICK) GALVANIZED STRAP WITH STANDARD 6" X 1/2" BAND BOLT AND NUT ALTERNATE FOR TYPE 1 CONNECTION END SECTION CONNECTOR STRAP

* EXCEPT CENTER PANEL SEE GENERAL NOTES





SHOULDER

SLOPE



SIDE ELEVATION METAL ENDWALLS



**MAXIMUM





CONCRETE ENDWALLS

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

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

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

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

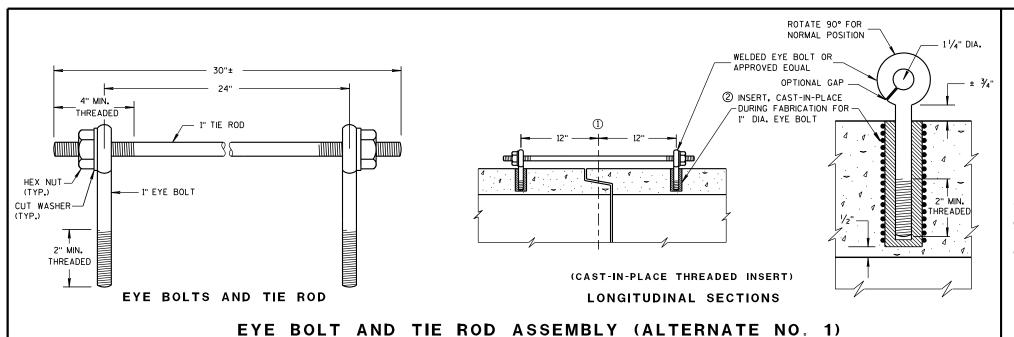
LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES. THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES.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

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

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



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



GENERAL NOTES

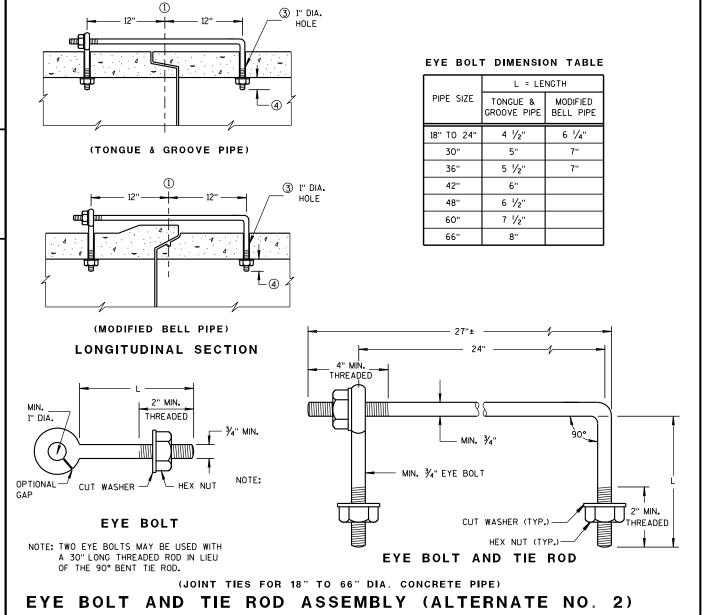
DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES, ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

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

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

- (1) & OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.
- THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE
- ${\mathfrak S}$ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ${\mathfrak L}$ OF TONGUE AND GROOVE.
- 4 BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.
- (5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.
- ⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN $rac{1}{2}$ INCH OF THE INNER SURFACE OF THE PIPE.

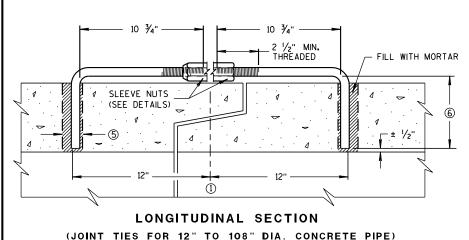


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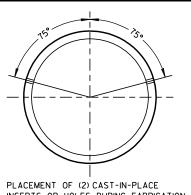
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ADJUSTABLE TIE ROD TABLE 5/8 5 12-60 3/4 5 1/2 3/4 90-108 DIMENSIONS SHOWN ARE IN INCHES **TAPERED** PLAIN RIGHT AND LEFT THREADS **SLEEVE NUTS**

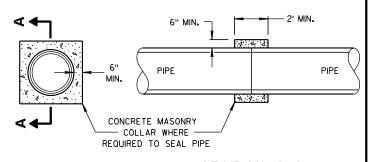


ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A-A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

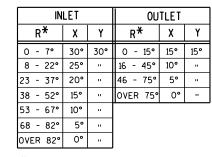
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

6/5/2012

/S/ Jerry H. Zogg DATE ROADWAY STANDARDS DEVELOPMENT ENGINEER

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*R = NUMBER OF DEGREES RIGHT OR LEFT HAND FORWARD

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.

FILL SLOPES FLATTER THAN 2 $\frac{1}{2}$:1 SHALL BE WARPED TO MEET THE TOP OF THE WINGWALLS.

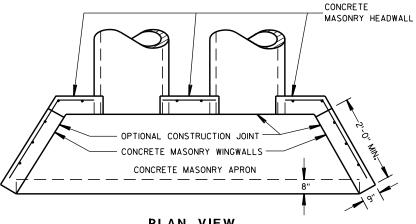
ALL STEEL REINFORCEMENT AND WELDED STEEL WIRE FABRIC SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE NOTED.

- MINIMUM REINFORCEMENT SHALL BE 6" X 6" W4.0 X W4.0 OR NO. 3 BARS SPACED 12" C-C IN BOTH DIRECTIONS.
- (2) THE SPACE BETWEEN PIPES SHALL BE AS FOLLOWS:

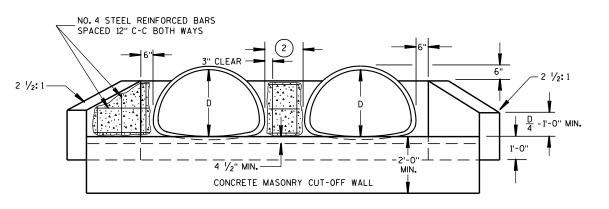
 DIAMETER OR SPAN
 SPACE

 UP TO AND INCLUDING 48"
 2'-0"

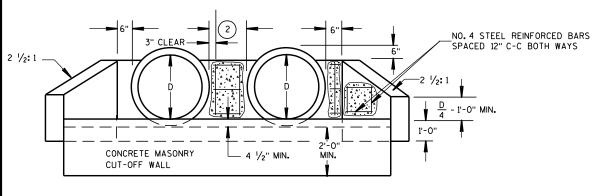
 OVER 48" TO 72"
 ½ DIA. OR SPAN



PLAN VIEW
CULVERT PIPE AND PIPE ARCH

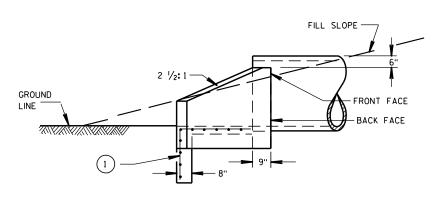


PIPE ARCH



END ELEVATION

CULVERT PIPE



SIDE ELEVATION

CULVERT PIPE AND PIPE ARCH

CONCRETE MASONRY ENDWALLS
FOR CULVERT PIPE AND
PIPE ARCH

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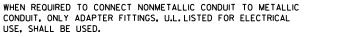
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

9/14/98 / S/ Rory L. Rhinesmith

CHIEF ROADWAY DEVELOPMENT ENGINEER

S.D.D. 8 F 10



IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL. THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE.
BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1FOOT OR LESS. A NO. 4 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL

BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE

(GROUND ROD) FOR TYPE 1. TYPE 2. TYPE 5. AND TYPE 6 BASES.

GENERAL NOTES (CONTINUED)

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE

OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE OF THE TYPE 2 AND TYPE 5 BASES THROUGH A LINCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD, ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 OF THE STANDARD SPECIFICATIONS.

WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED. THE 4" "L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND END SHALL NOT BE THREADED.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

- 1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL BY THE ENGINEER.
- (2) (4) 1" DIA. X 3'-6" ANCHOR RODS.
- (3) (4) 1" DIA. X 5'-0" ANCHOR RODS.
- (4) (6) NO. 6 X 6'-8" BAR STEEL REINFORCEMENT.
- (5) (7) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.
- (6) (4) 1" DIA. X 3'-6" ANCHOR RODS.
- (7) (6) NO.4 X 4'-8" BAR STEEL REINFORCEMENT.
- (8) (5) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

GENERAL NOTES

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

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN AT THE ENTRANCE OF THE BASE.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

FORMING DETAIL

1'-8"

a)

- FORM

FORMING SHALL BE

CONCRETE HAS SET

REMOVED AFTER

FORM DEPTH SHALL BE

GRADE ON THE LOWER

SIDE OF BASE

4" MAX.

CONDUIT WITHIN

6" DIA.

ANCHOR RODS SHALL BE

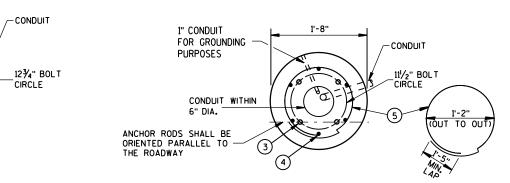
ORIENTED PARALLEL TO

1" CHAMFER ALL AROUND

FORM ALL EXPOSED

CONCRETE, PROVIDE

NO MORE THAN 6" BELOW



QUANTITY

REQUIREMENTS

ARDS OF CONCRETE

APPROX. CUBIC

LBS. OF HOOP

LBS. OF VERTICAL

BAR STEEL

BAR STEEL

CONCRETE BASE TYPE

0.57

23

60

0.40

NONE

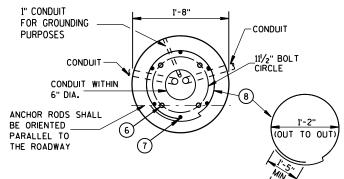
NONE

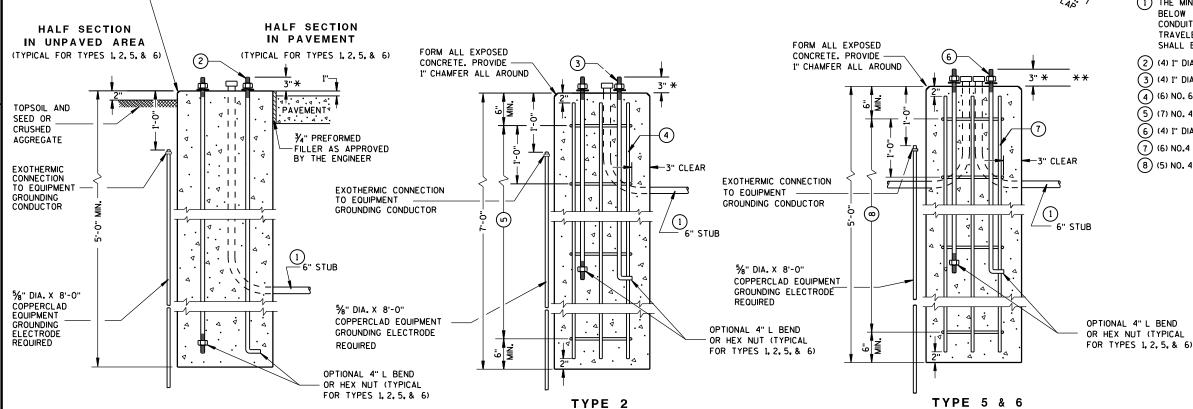
5 & 6

0.40

16

18





CONCRETE BASES

* ANY ANCHOR ROD PROJECTION SHORTER THAN 2¾" OR LONGER THAN 31/4" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

** FOR NONBREAKAWAY INSTALLATIONS, 41/2" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

CONCRETE BASES, TYPES 1, 2, 5, & 6

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

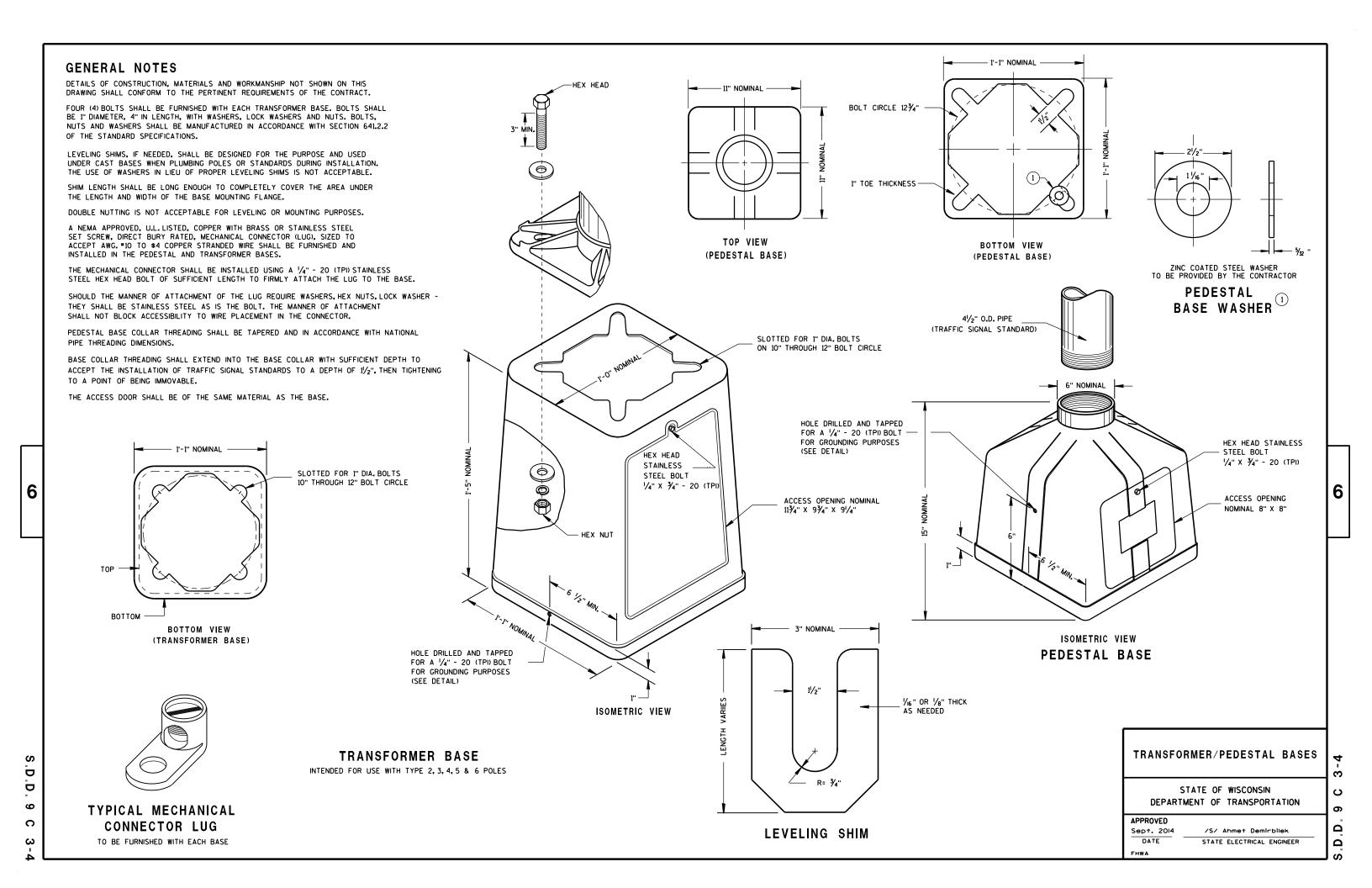
APPROVED Sept. 2014 /S/ Ahmet Demirbilek STATE ELECTRICAL ENGINEER

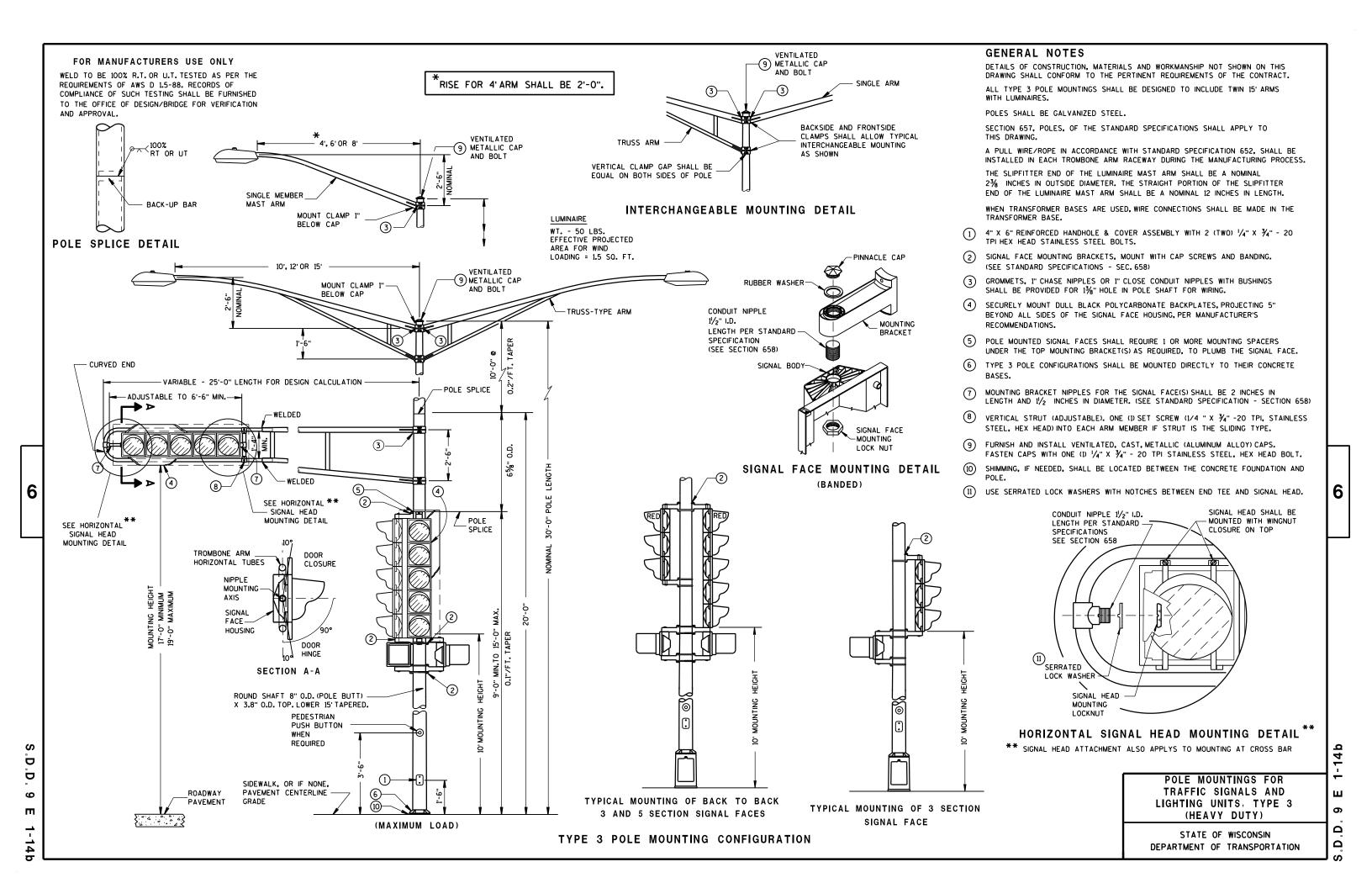
FHWA

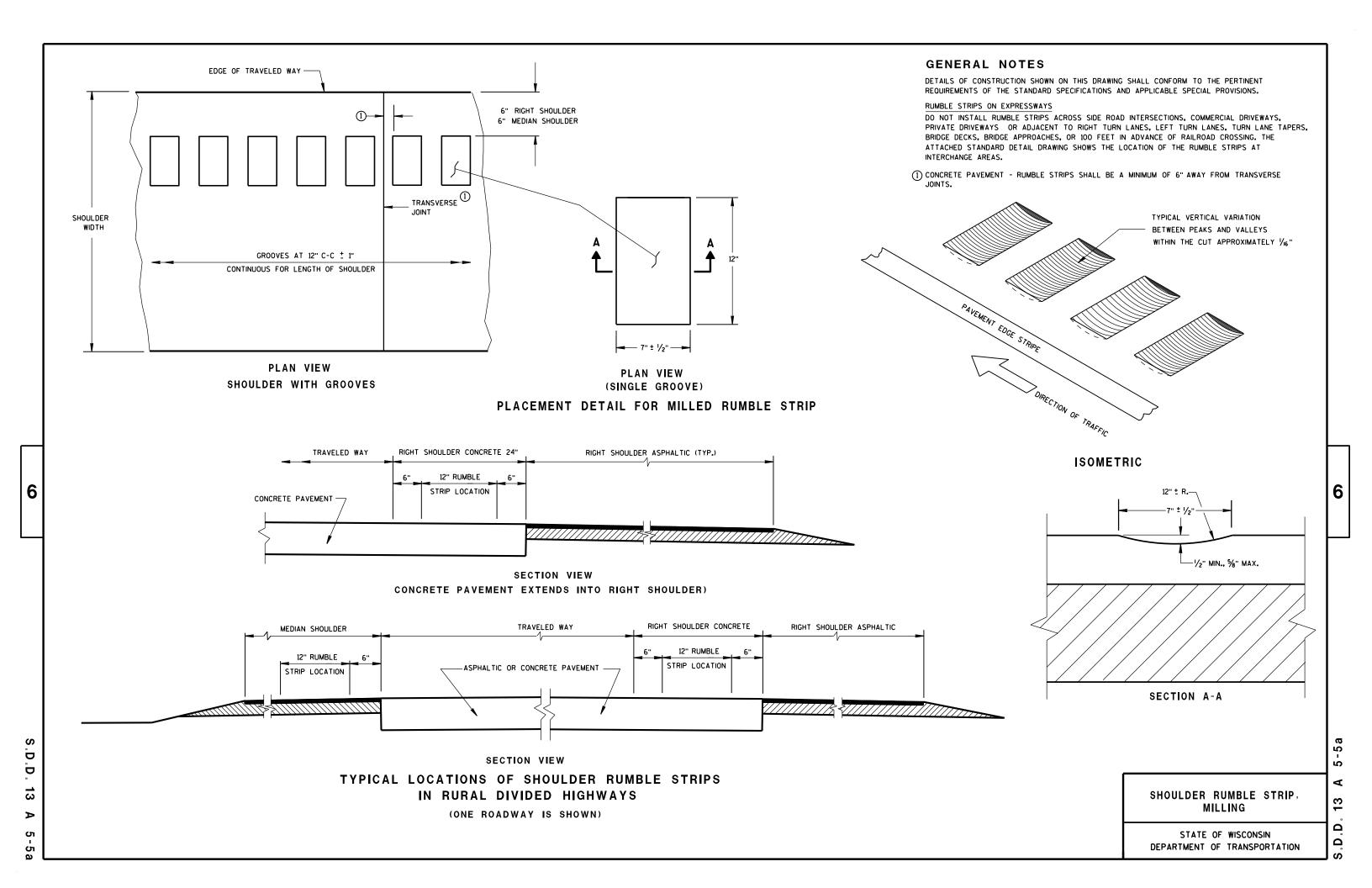
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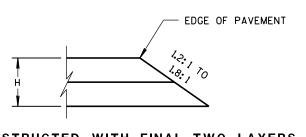
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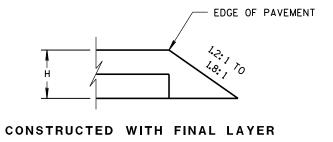
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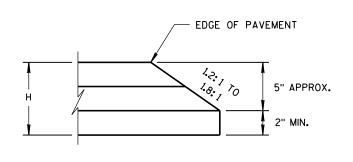


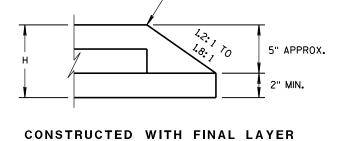


FOR H 5" OR LESS

CONSTRUCTED WITH FINAL TWO LAYERS

FOR H 5" OR LESS





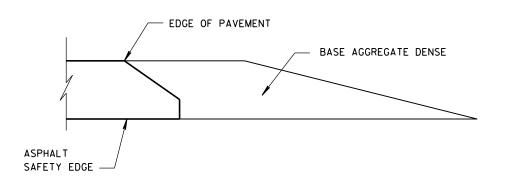
FOR H GREATER THAN 5"

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

6

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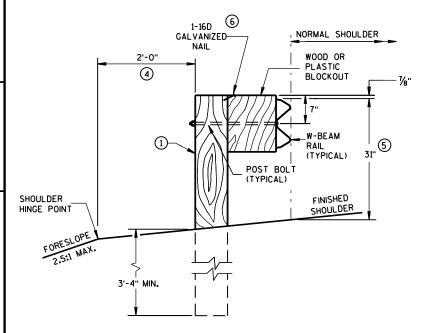
Ω

APPROVED

DATE ROADWAY STANDARDS DEVELOPMENT ENGINEER

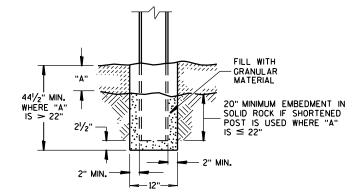
GENERAL NOTES

- (1) WOOD OR STEEL POSTS (W6X9 OR W6X8.5) MAY BE USED. DO NOT INTERMIX WOOD AND STEEL POSTS. INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.
- 2 USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.
- (3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 21/2 INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL IS TO BE FREE OF LARGE ROCKS.
- (4) WHEN THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING (K).
- (5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ± 1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 273/4" TO 32".
- (6) WHEN USING STEEL POST AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.



END VIEW

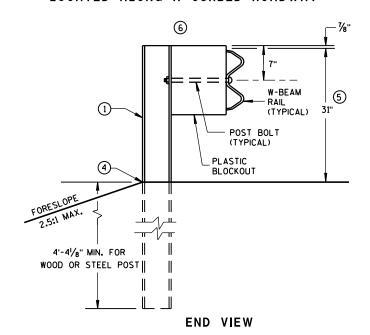
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



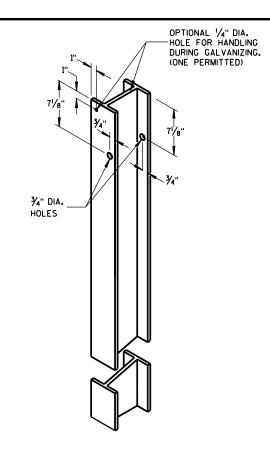
SETTING STEEL OR WOOD POST IN ROCK $^{\scriptsize{\textcircled{3}}}$



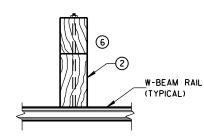
END VIEW
LOCATED ALONG A CURBED ROADWAY



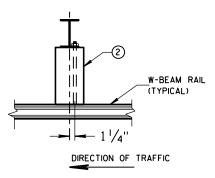
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



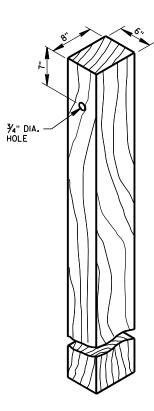
STEEL POST & HOLE PUNCHING DETAIL (w6X9)



PLAN VIEW
WOOD POST,
BLOCKOUT & BEAM



PLAN VIEW
STEEL POST,
PLASTIC BLOCKOUT & BEAM



WOOD POST (6" X 8") NOMINAL $^{\scriptsize \textcircled{1}}$



WOOD OR PLASTIC BLOCKOUT

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

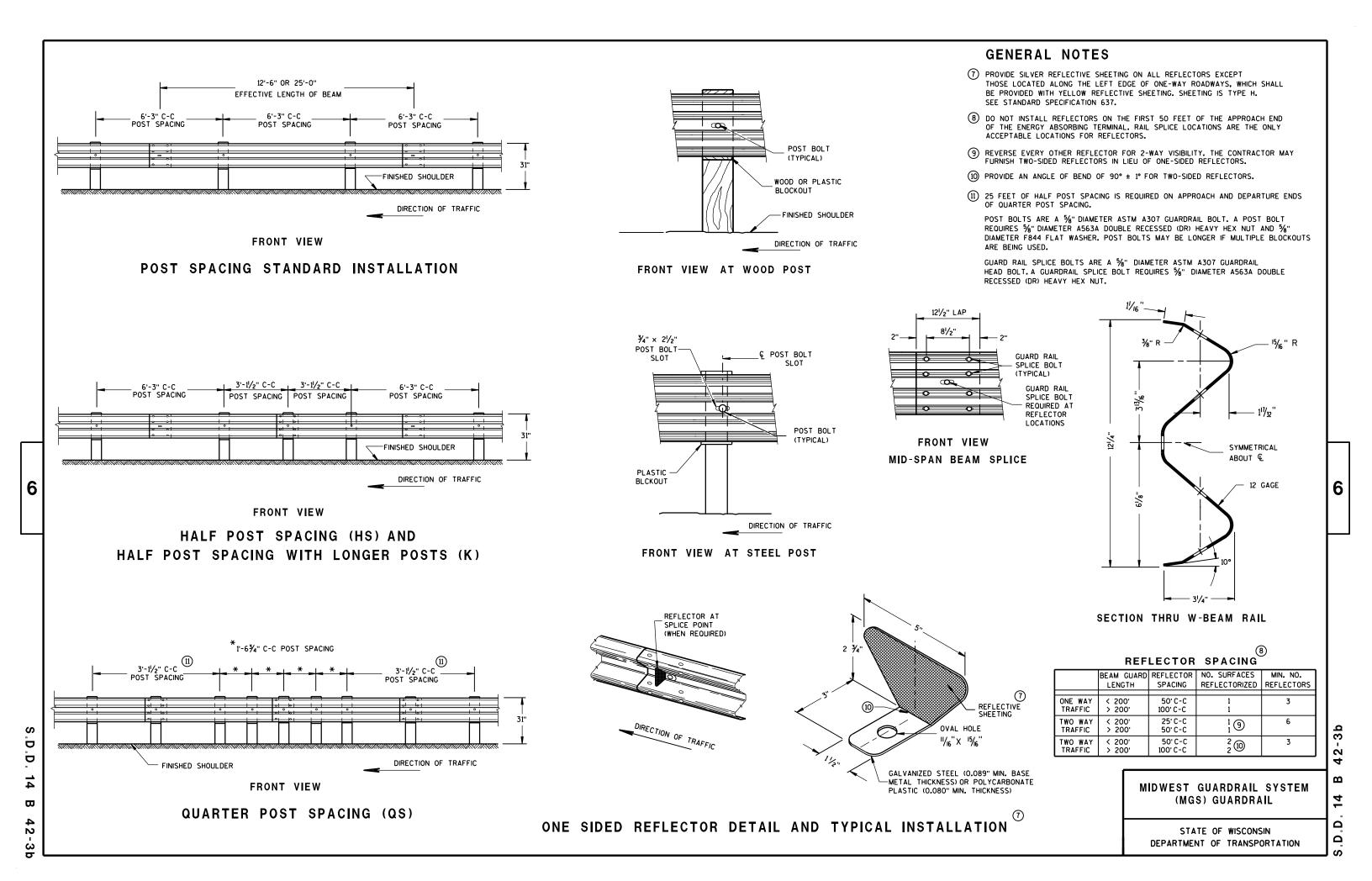
S.D.D. 14 B 4

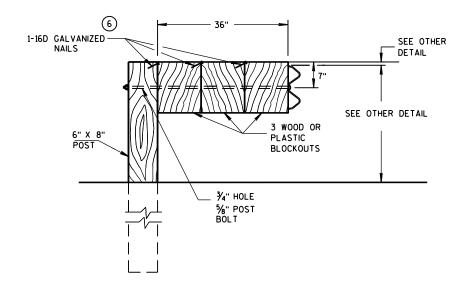
6

.D.D. 14 B

3a

2



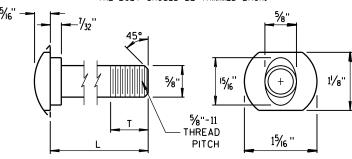


DETAIL FOR 36" BLOCKOUT DEPTH

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

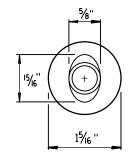
> DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

NOTE: 1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF $\frac{1}{16}$ ". 2. IF THE BOLT EXTENDS MORE THAN 1/4" FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.

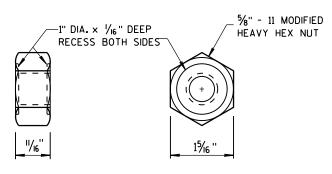


POST BOLT TABLE

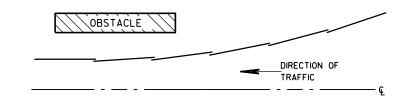
11/8"
437
13/4"
4"
41/16"
4"
41/16"
4"



ALTERNATE BOLT HEAD

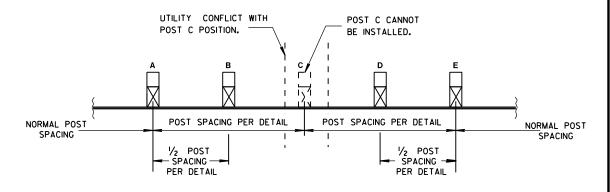


POST BOLT AND RECESS NUT



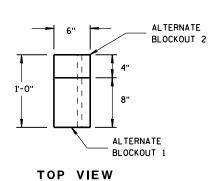
PLAN VIEW

BEAM LAPPING DETAIL



POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION





SIDE VIEW

ALTERNATE WOOD **BLOCKOUT DETAIL**

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

June 2014 /S/ Jerry H. Zogg ROADWAY STANDARDS DEVELOPMENT ENGINEER FHWA

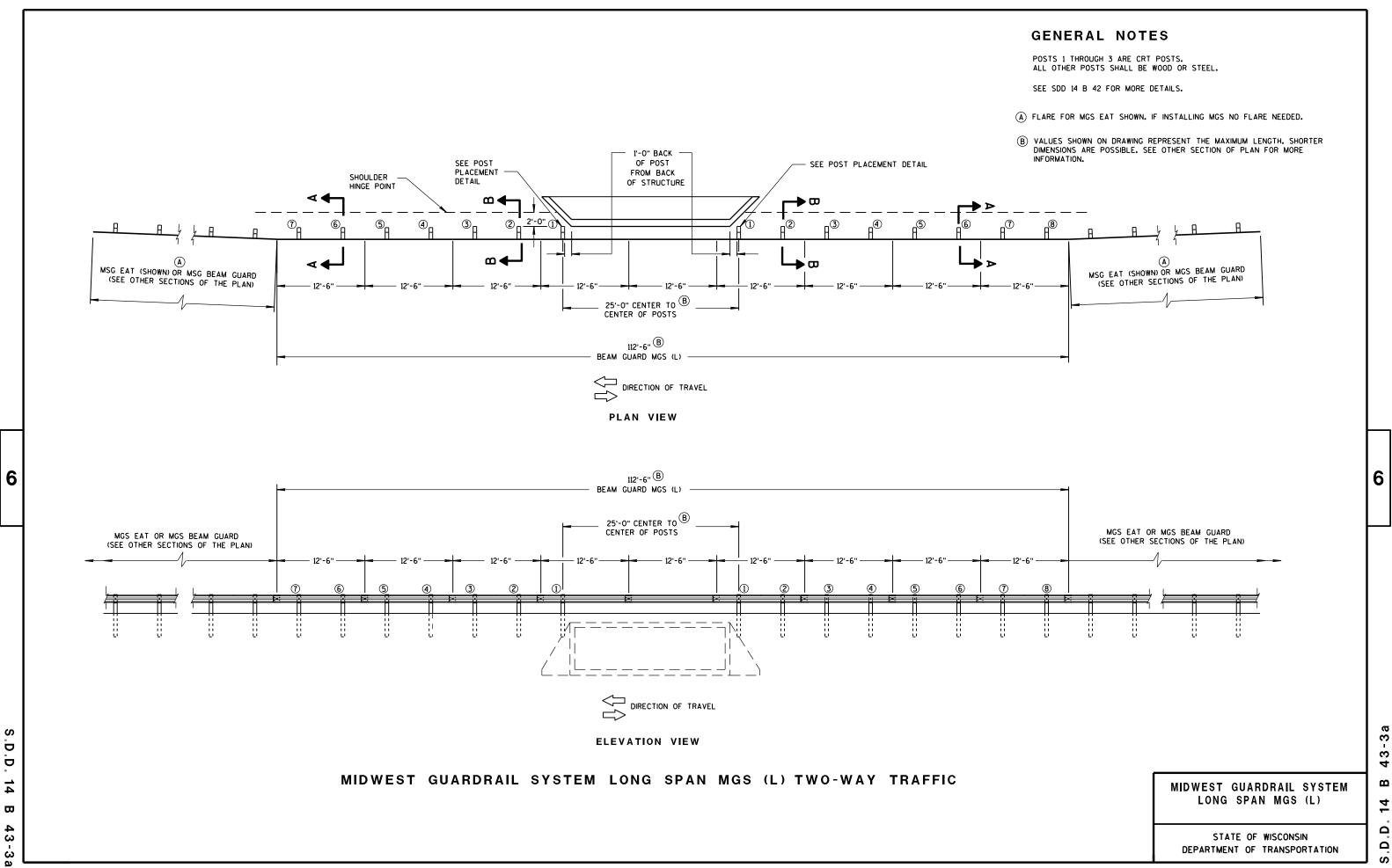
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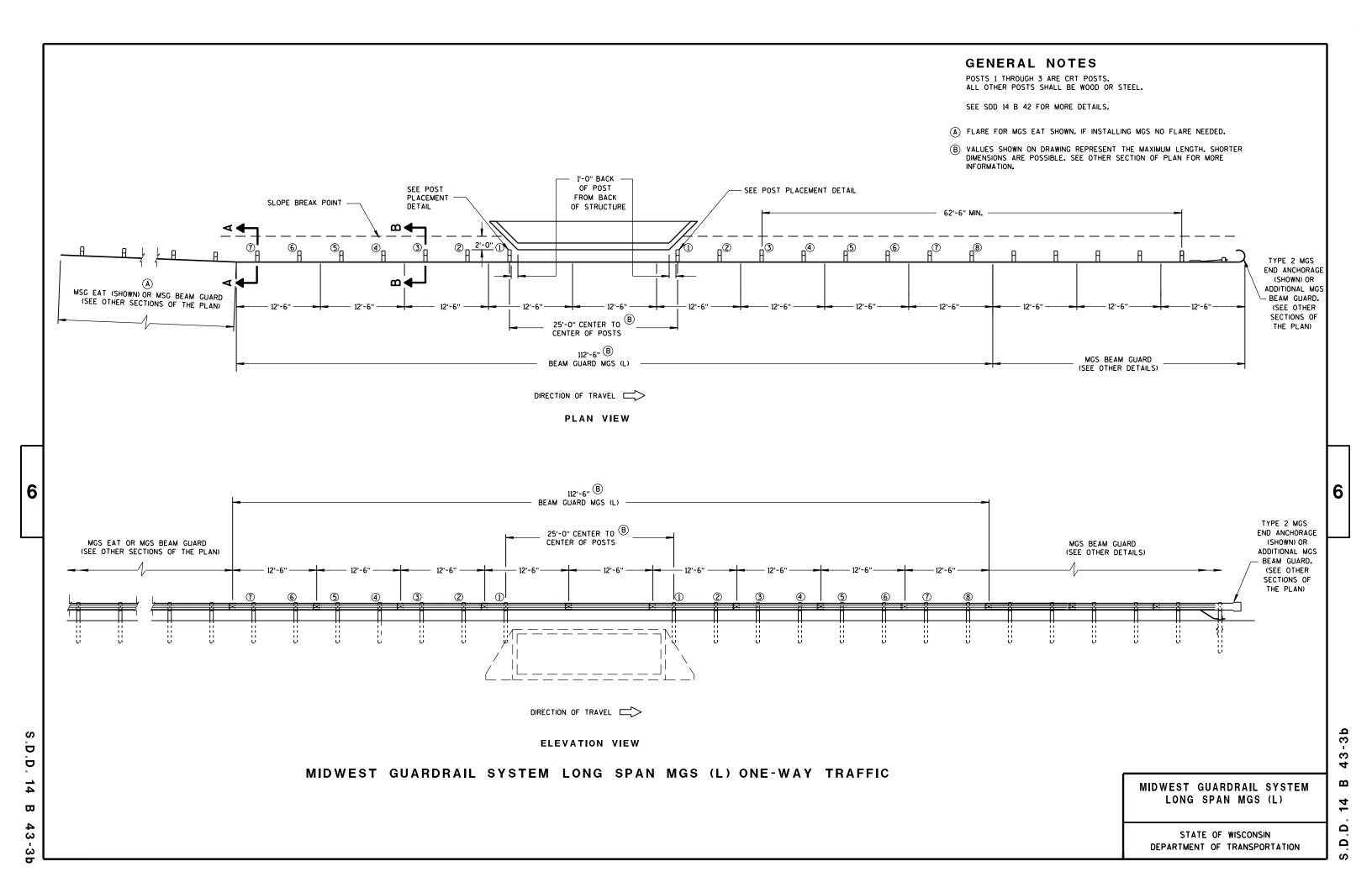
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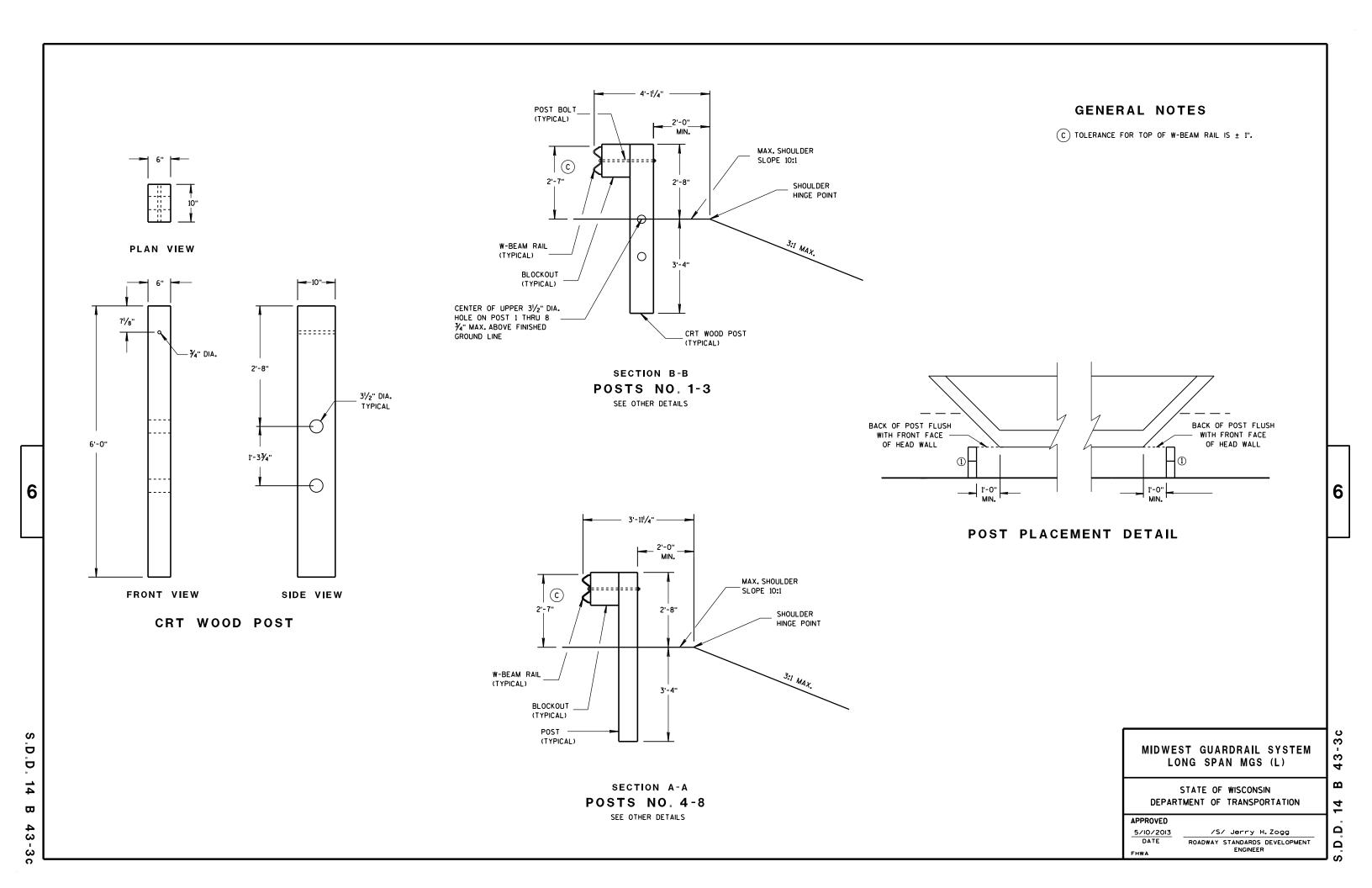
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S.D.D.

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SECTION A-A SECTION B-B

9 H

PLAN VIEW

BILL OF MATERIALS

PART NO.	DESCRIPTION MATERIALS PROVIDED BY MGS EAT MANUFACTURER. SEE MANUFACTURER'S DETAILS FOR MORE INFORMATION.						
1	WOOD BREAKAWAY POST						
2	6" X 8" X 0.188", 6'-0" LONG FOUNDATION TUBE AT POSTS 1 AND 2						
3	WOOD CRT						
4	WOOD BLOCKOUT						
(5)	PIPE SLEEVE						
6	BEARING PLATE						
7	BCT CABLE ASSEMBLY						
8	ANCHOR CABLE BOX						
9	GROUND STRUT						
10	PERFORATED W-BEAM RAIL END PANEL, 12'-6" LONG.						
(11)	STANDARD W-BEAM RAIL.MULTIPLE SECTIONS REQUIRED. SECTIONS VARY IN LENGTH.						
12	END SECTION EAT						
(3)	0.040" ALUMINUM SHEET WITH REFLECTIVE SHEETING TYPE F PER SECTION 637 OF THE STANDARD SPECIFICATIONS						
14)	EAT MARKER POST - YELLOW (SEE APPROVED PRODUCTS LIST)						



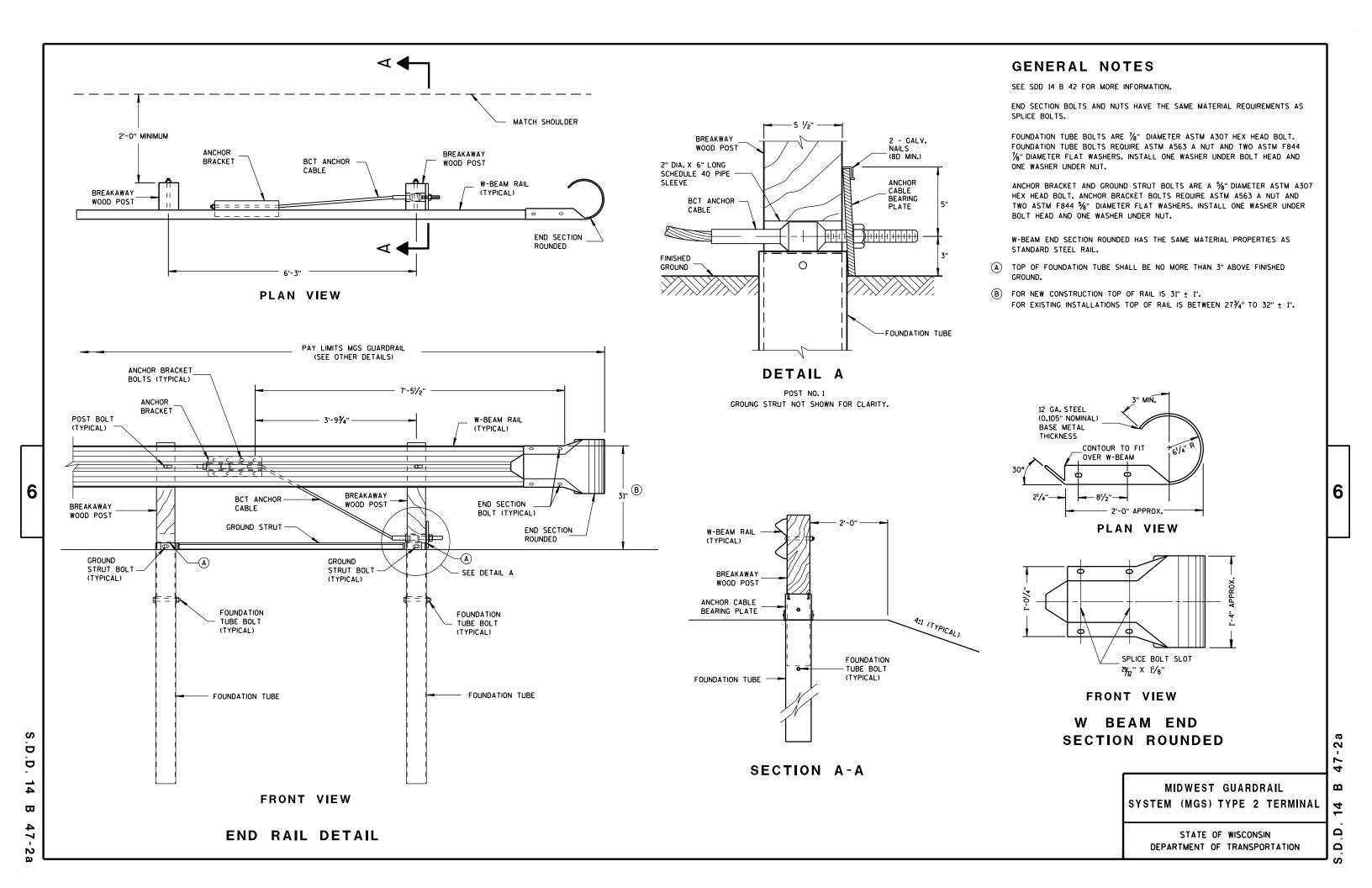
MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

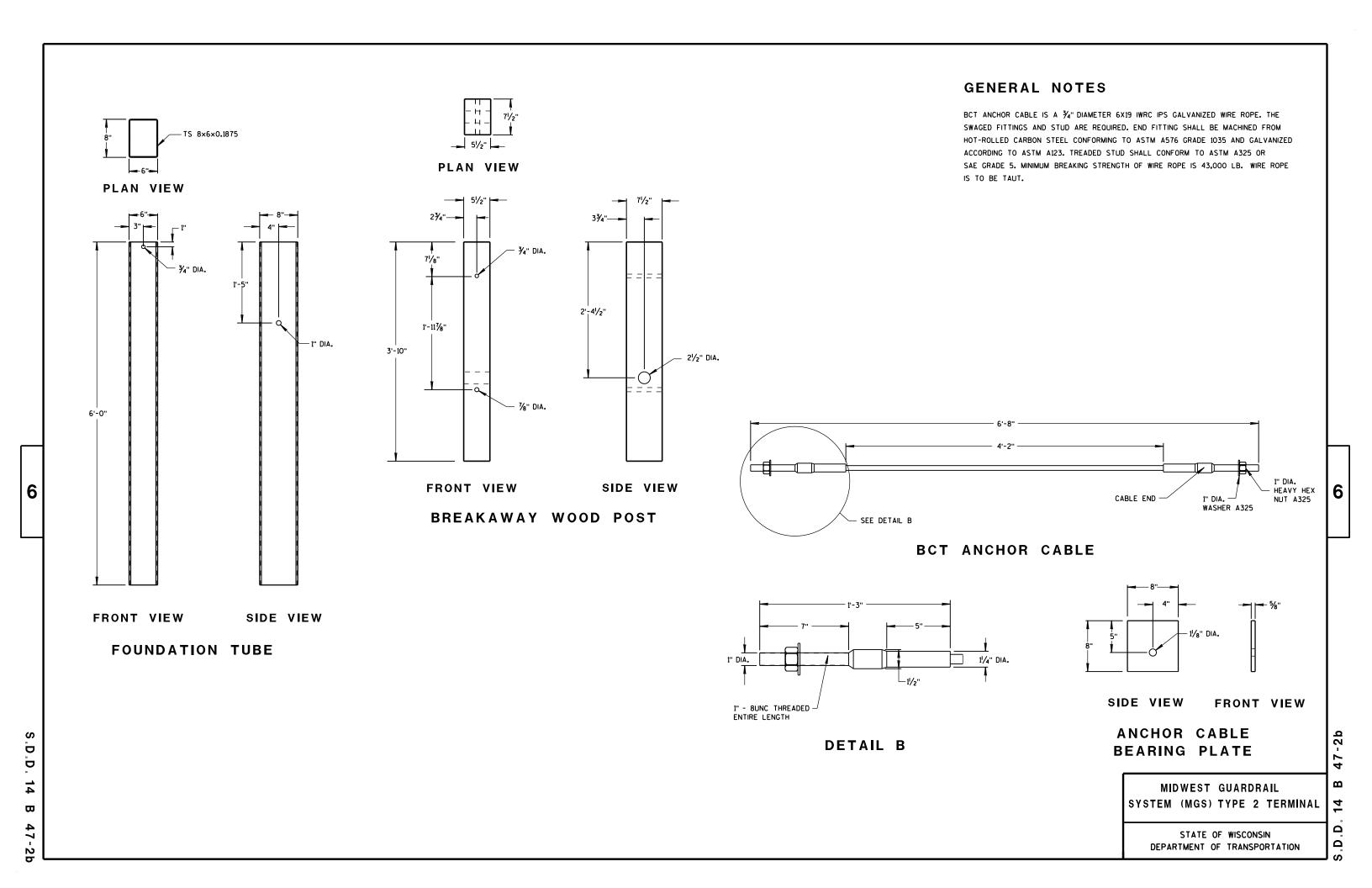
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

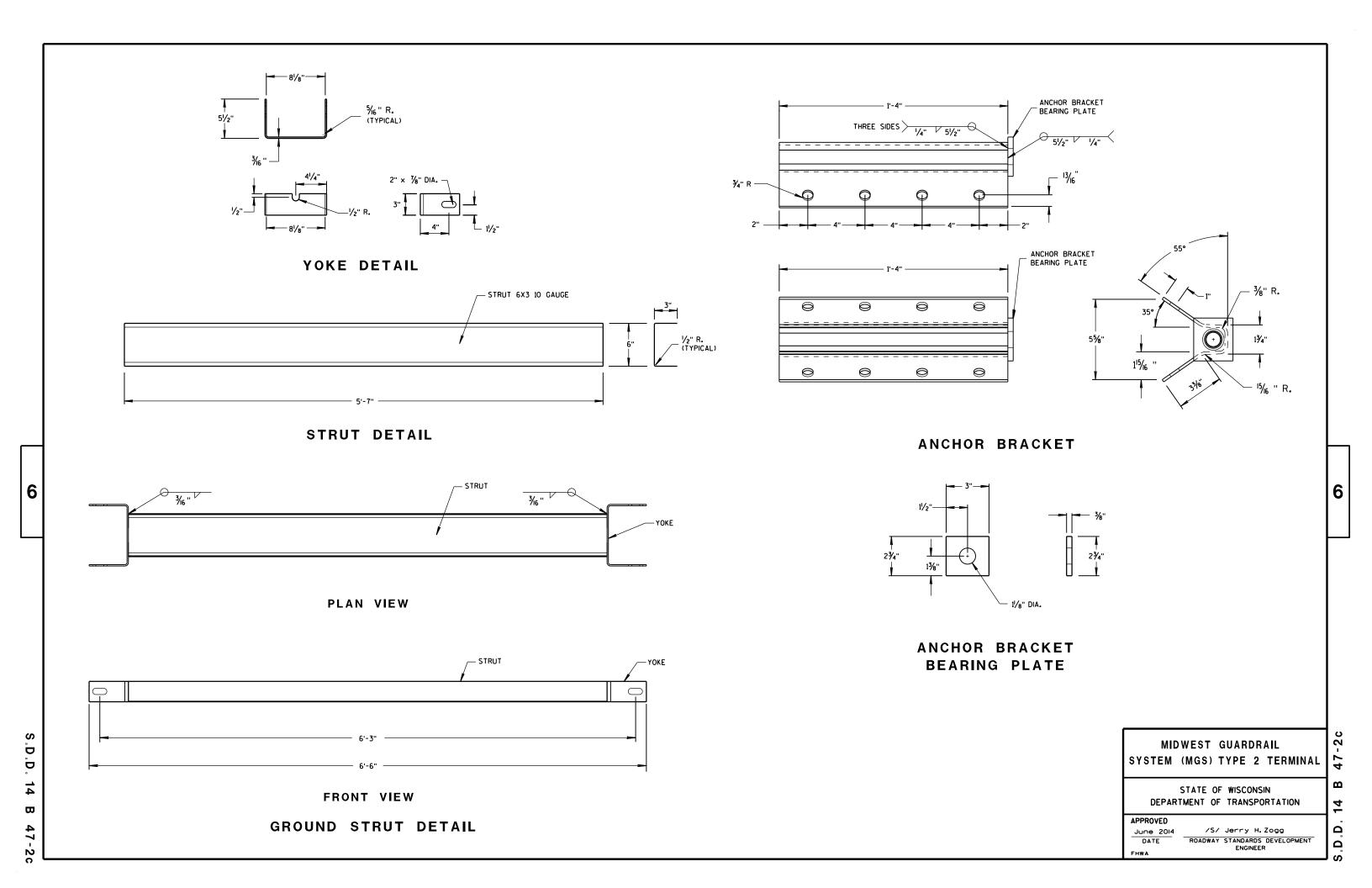
44-2b

 $\mathbf{\omega}$ 14 .D.D.





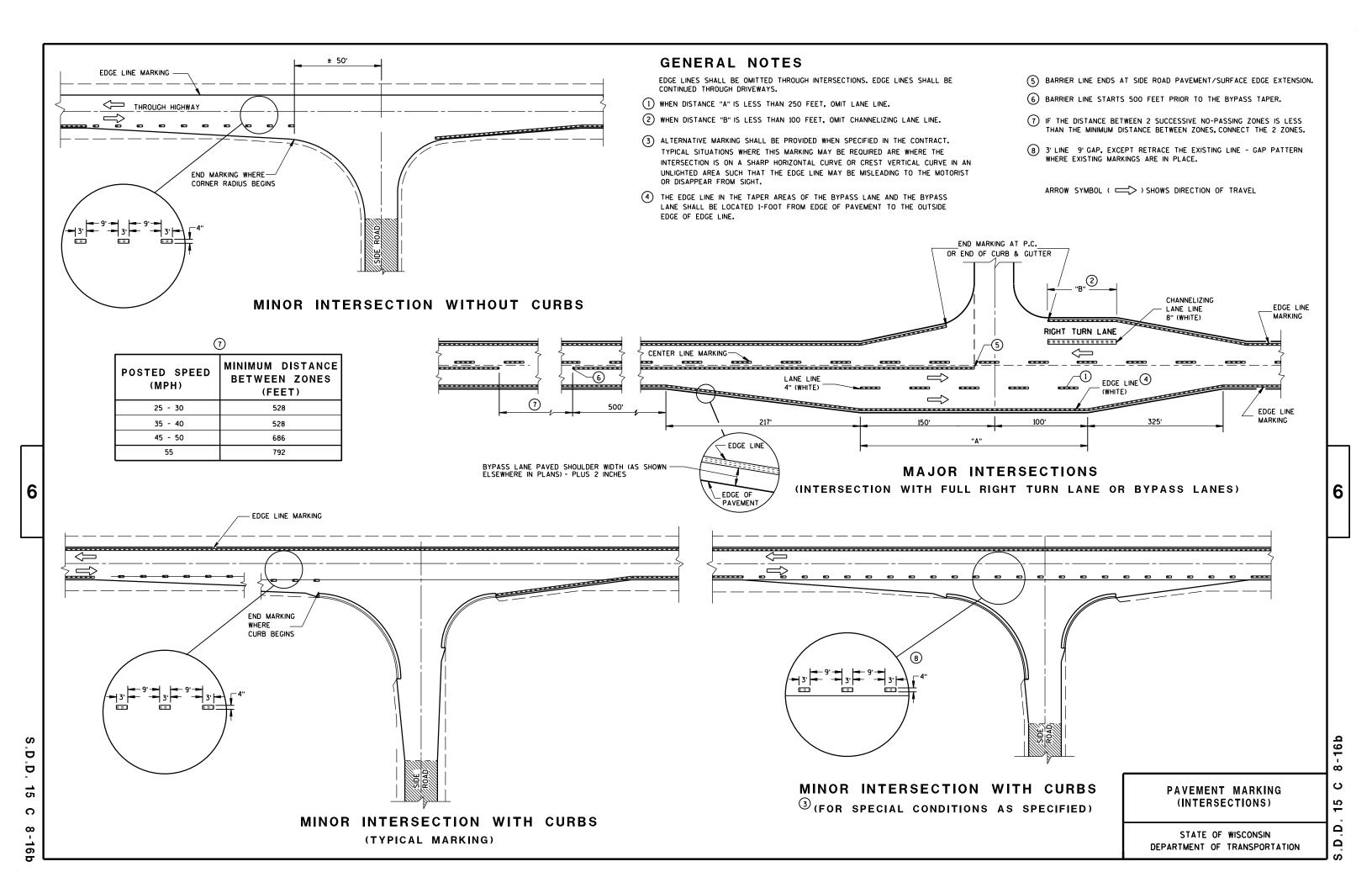


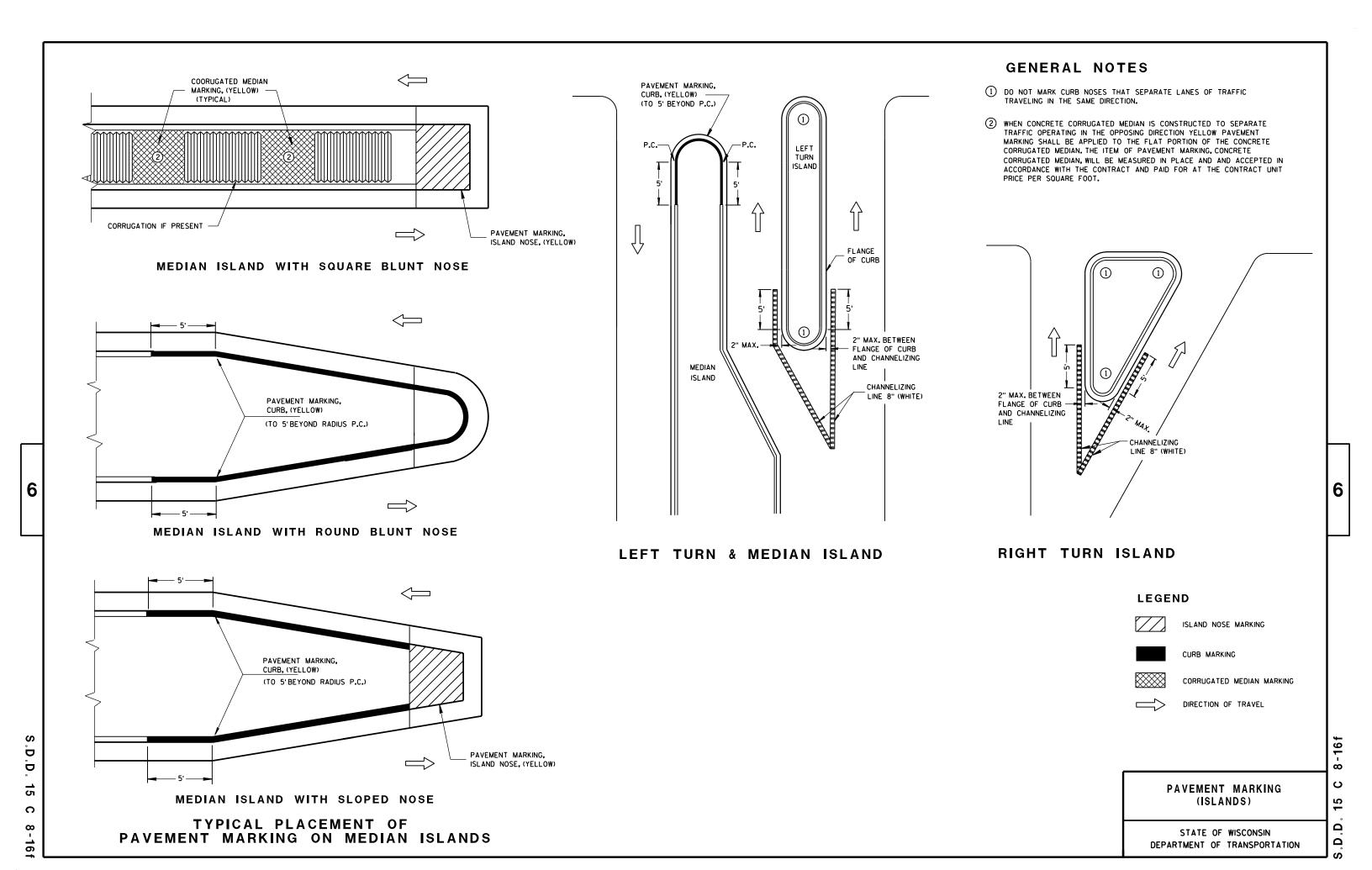


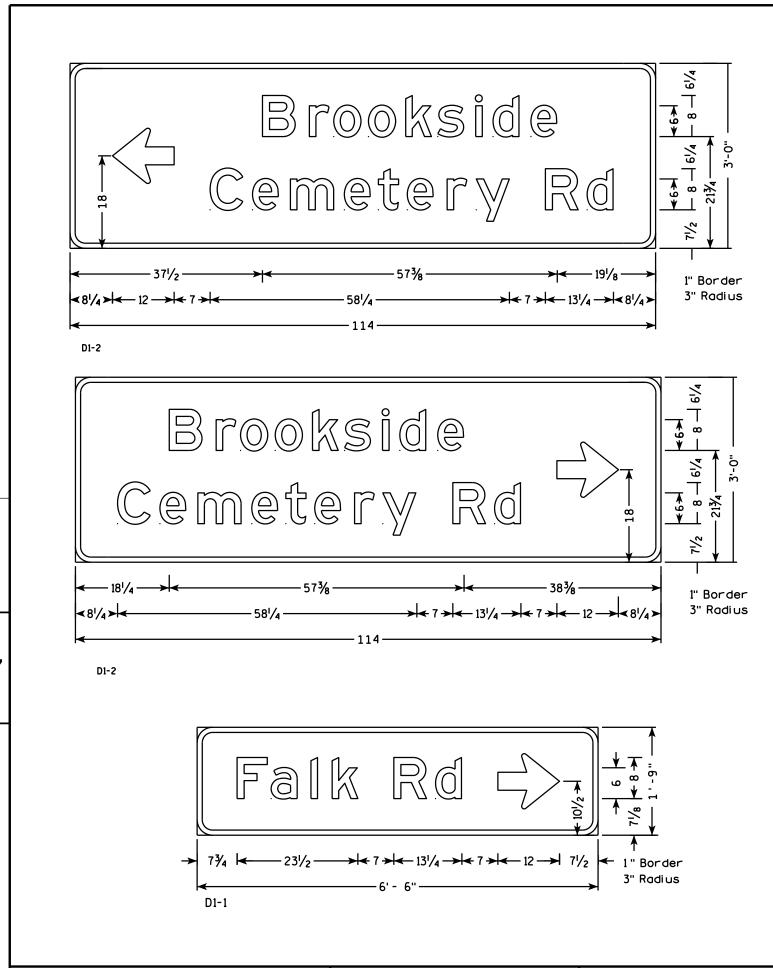










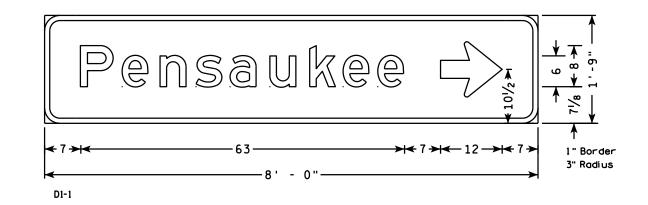


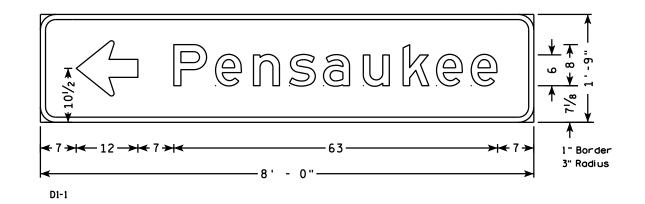
NOTES

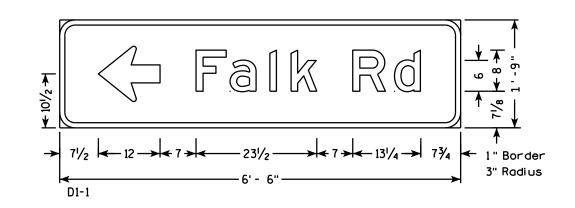
- 1. All Signs Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Green Message - White

3. Message Series - E

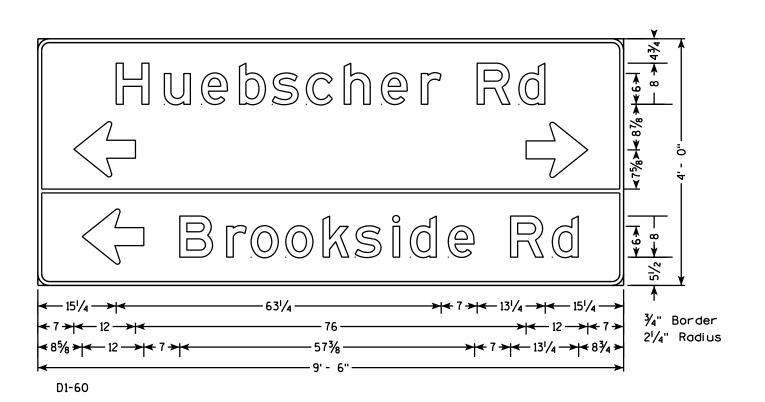


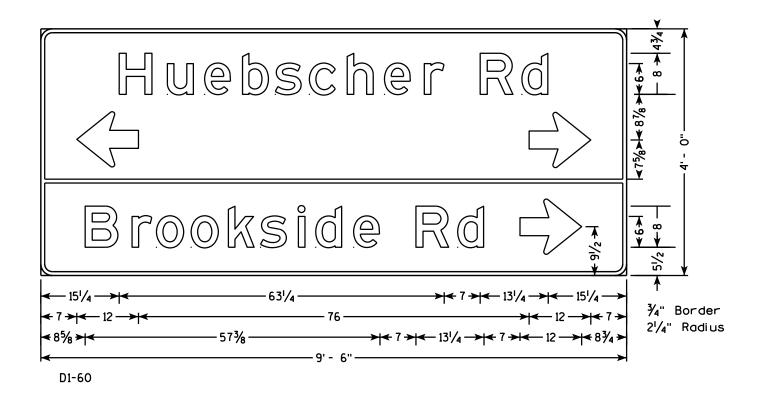




COUNTY: PROJECT NO: 1150-60-71 HWY: USH 41 OCONTO PERMANENT SIGNING SHEET NO:

PLOT NAME :



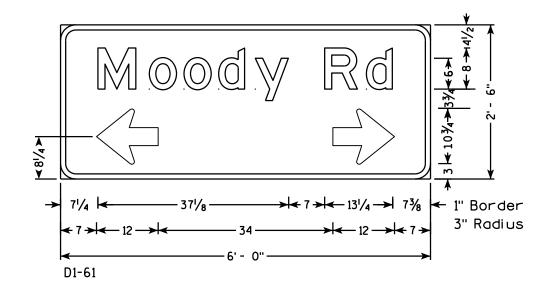


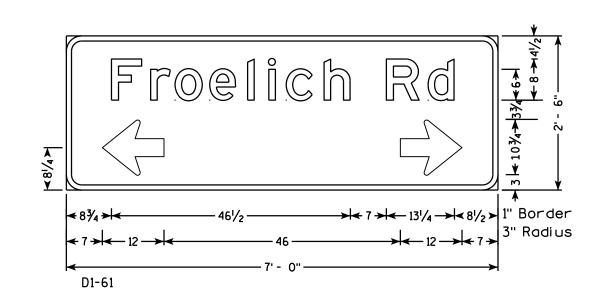
NOTES

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

Background - Green Message - White

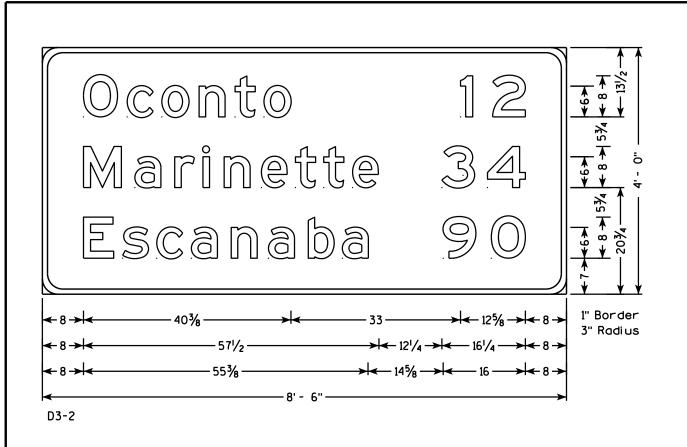
3. Message Series - E





PLOT NAME :

PROJECT NO: 1150-60-71 HWY: USH 41 COUNTY: OCONTO PERMANENT SIGNING SHEET NO: E

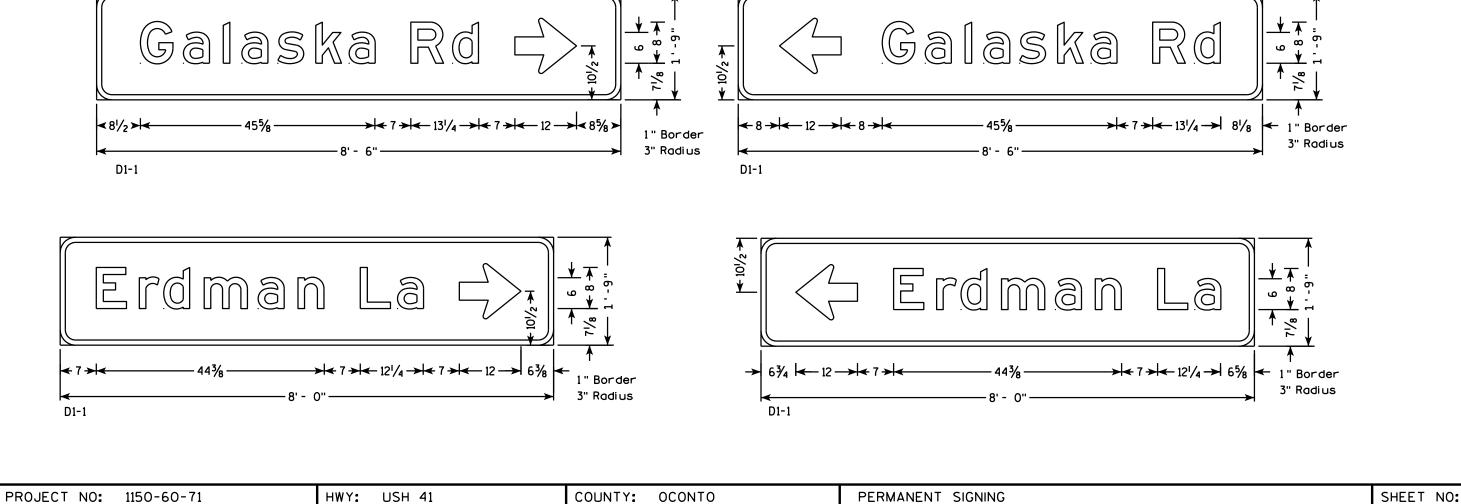


NOTES

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

Background - Green Message - White

3. Message Series - E

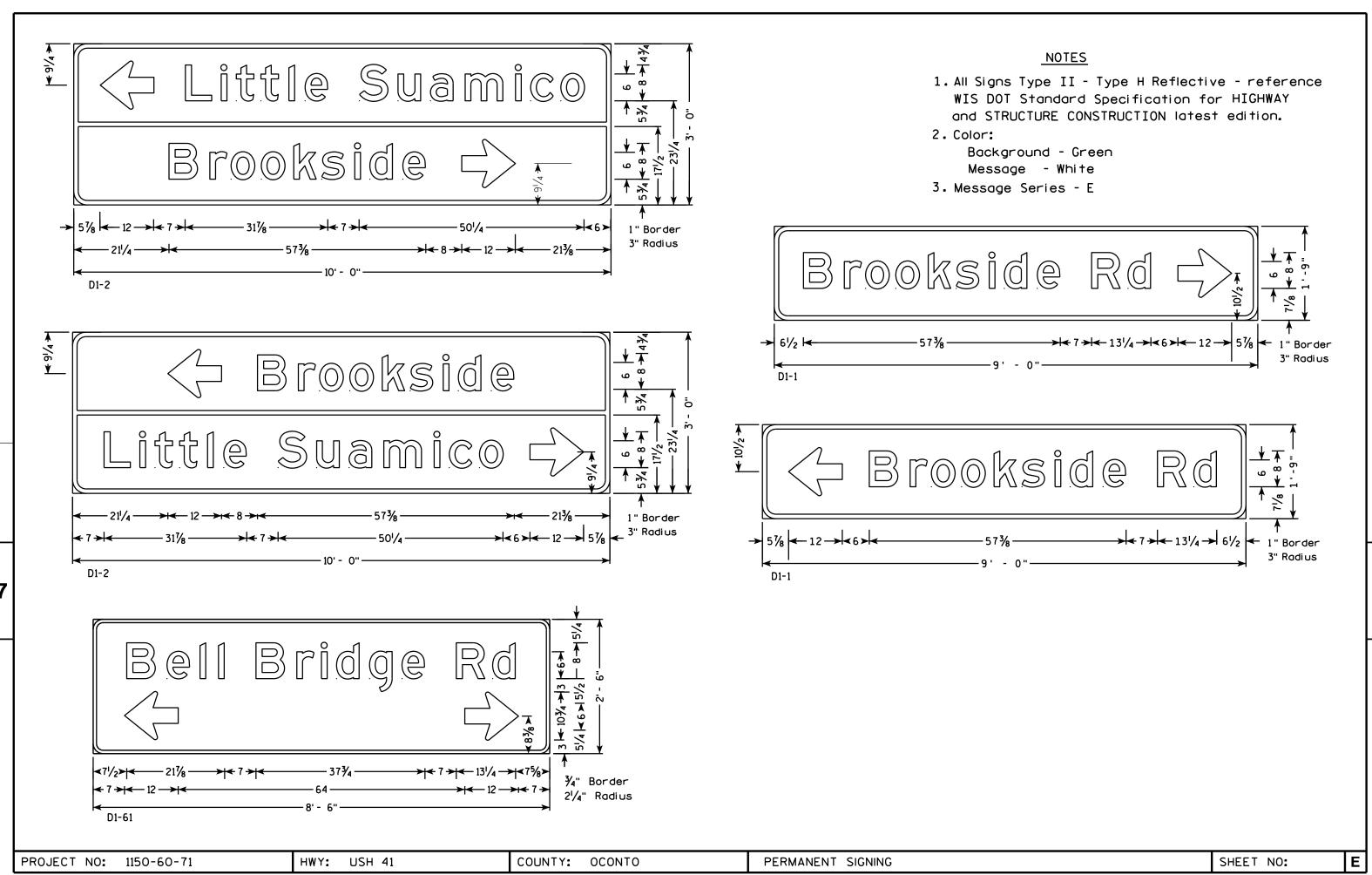


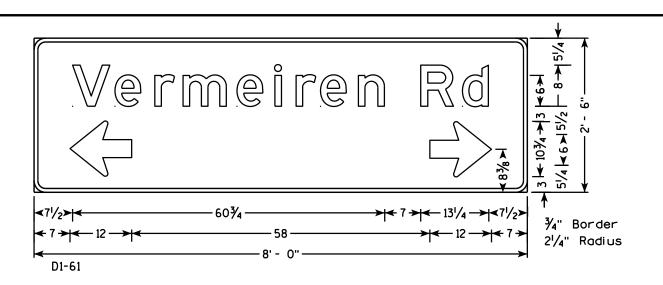
FILE NAME : C:\CAEfiles\Projects\tr_d3\3422A513.DGN

PLOT DATE: 13-APR-2016 14:50

PLOT NAME :

PLOT SCALE : 18.680081:1.000000

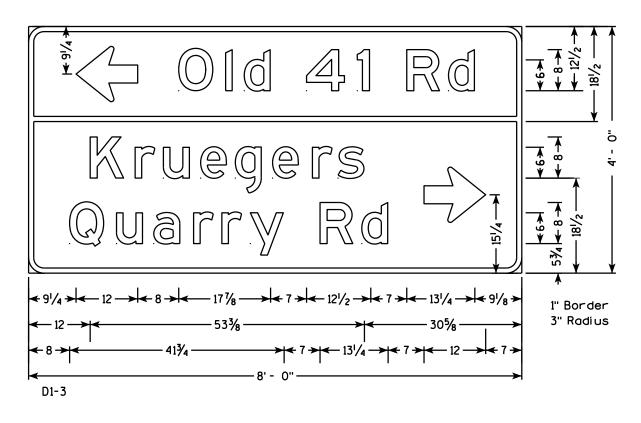


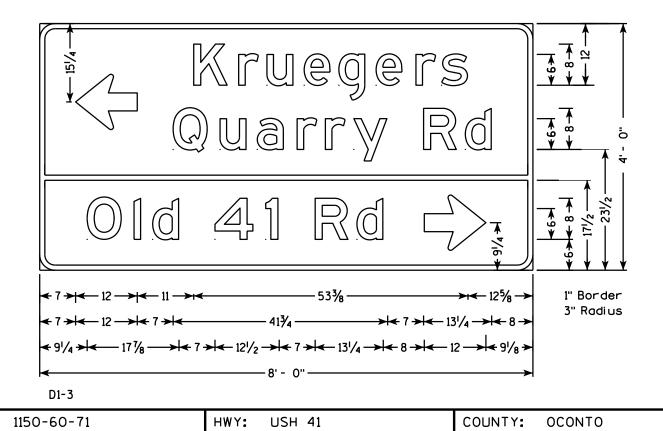


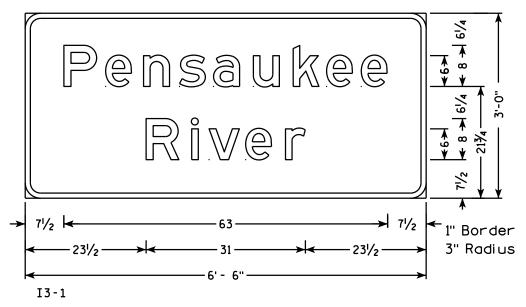
- 1. All Signs Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Green Message - White

3. Message Series - E







PROJECT NO:

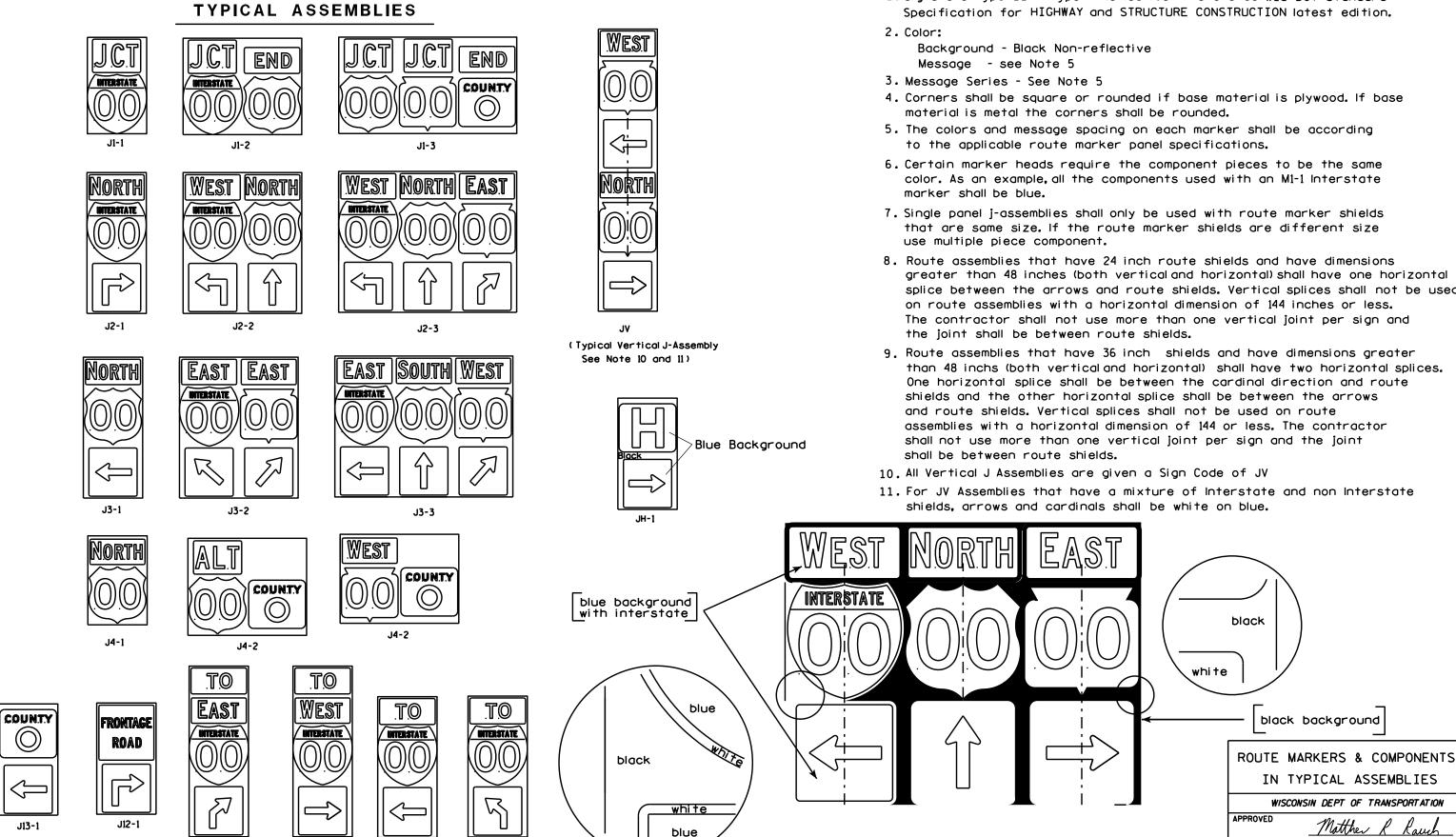
PLOT NAME :

PERMANENT SIGNING

SHEET NO:

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

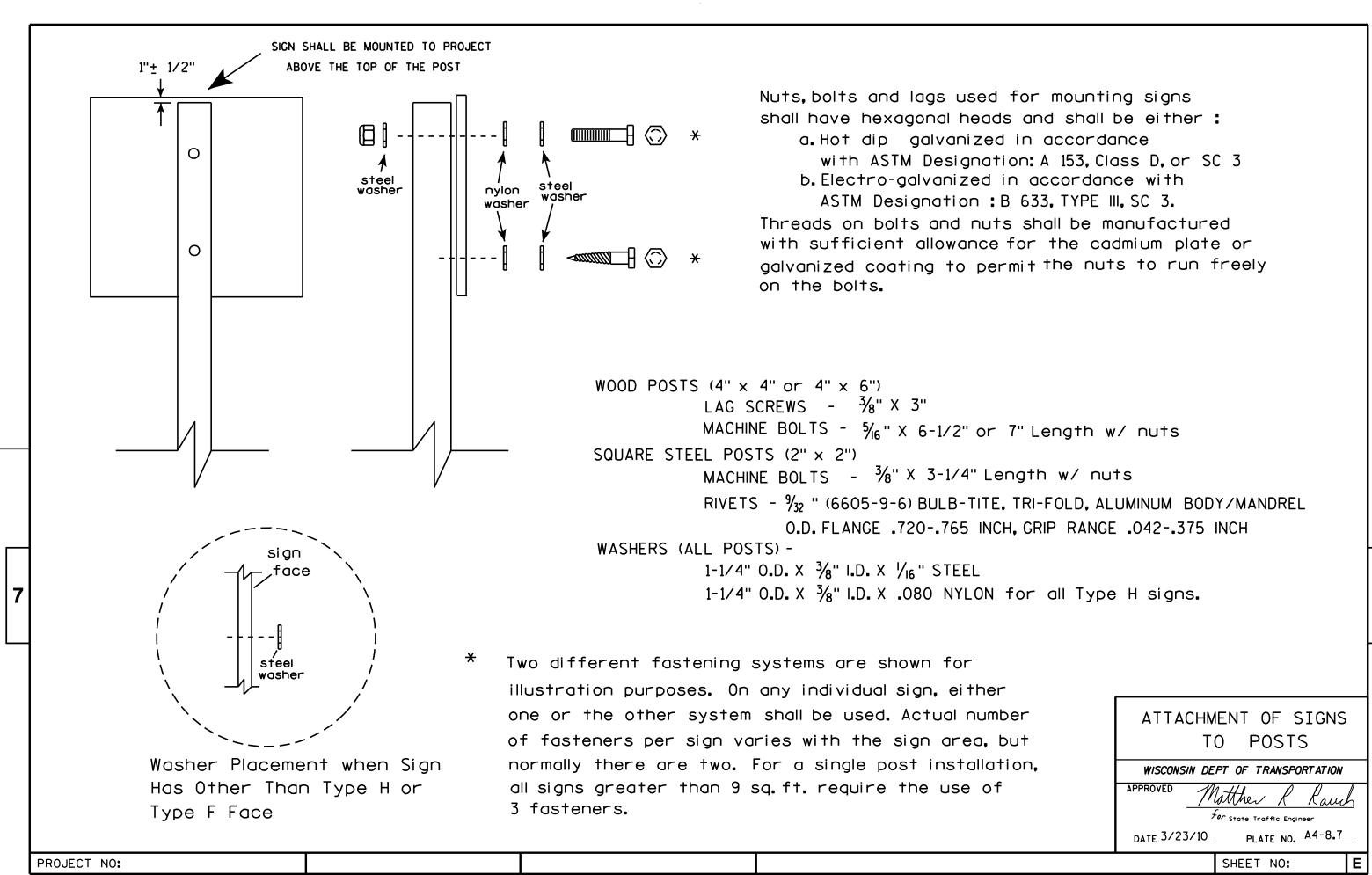
PLOT NAME :

PLOT BY: mscj9h

WISCONSIN DEPT OF TRANSPORTATION APPROVED

For State Traffic Engineer

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





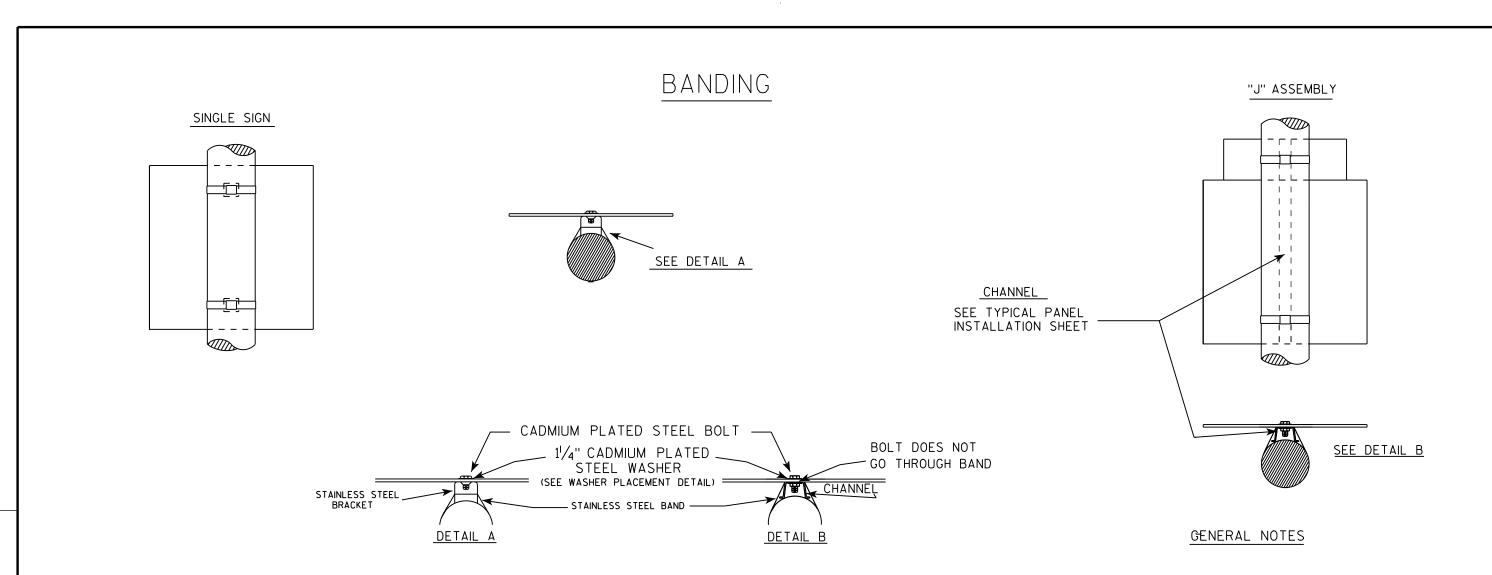
PROJECT NO: HWY: COUNTY: SHEET NO: FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE: 05-FEB-2015 17:09 PLOT BY: mscsja PLOT NAME : PLOT SCALE: 13.659812:1.000000

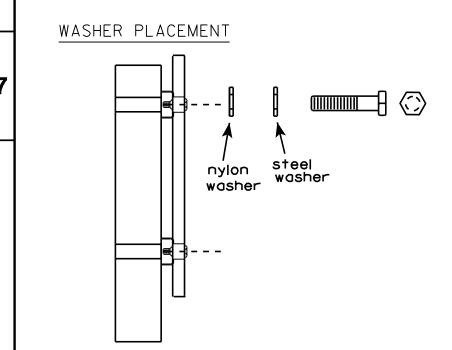
DATE 2/05/15

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

For State Traffic Engineer







HWY:

WASHERS (ALL POSTS) -

COUNTY:

1-1/4" O.D. $X\frac{3}{8}$ " I.D. $X\frac{1}{16}$ " STEEL 1-1/4" O.D. $X\frac{3}{8}$ " I.D. X .080 NYLON FOR ALL TYPE H SIGNS

PLOT BY: mscsja

- 1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
- 2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
- 3. Banding and assembly bracket shall be stainless steel. All bands shall be $\frac{3}{4}$ " in width and 0.025" thickness.

STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED 400 1100 000 000

For State Traffic Engineer

DATE 8/16/13

713 PLATE NO. A5-9.3

SHEET NO:

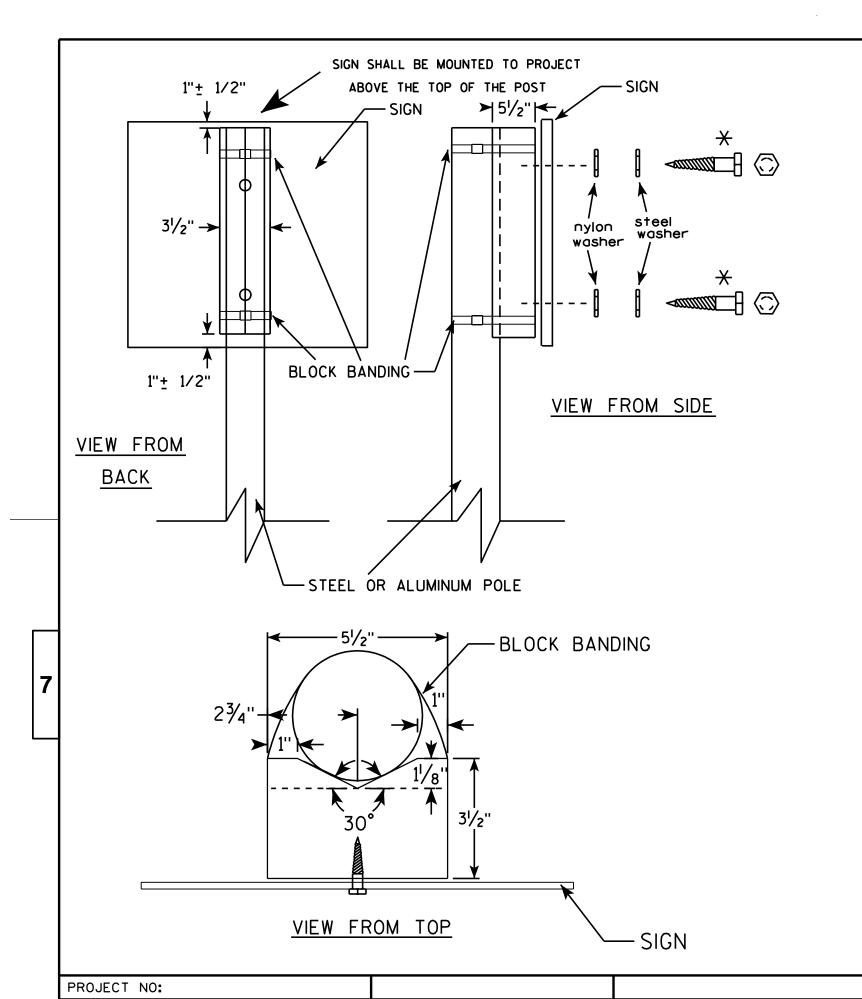
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A59.DGN

PROJECT NO:

PLOT DATE: 16-AUG-2013 13:27

PLOT NAME :

PLOT SCALE: 33.740899:1.000000



GENERAL NOTES

- 1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WISDOT STANDARD SPECIFICATIONS
- 2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, 3/4" WIDTH AND 0.025" THICKNESS
- 3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS.

 SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
- 4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
- 5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
 - a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D, or
 - b. Cadmium plated in accordance with ASTM Designation: B 766 TYPE 3, Class 12, or
 - c. Electro-galvanized in accordance with ASTM Designation: B 633, TYPE III, SC 3.
- 6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
- 7. STEEL WASHERS SHALL BE 11/4" O.D. X 3/8" I.D. X 1/16"
- 8. NYLON WASHERS SHALL BE $1^{1}/_{4}$ " O.D. X $3/_{8}$ " I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

X LAG BOLTS SHALL BE 3/8" X 21/2"

BLOCK BANDING DETAIL
(V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

APPROVED

For State Traffic Engineer

DATE 7/12/07

PLATE NO. A5-10.1

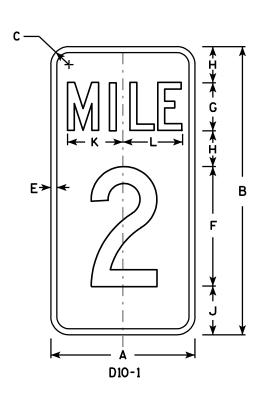
SHEET NO:

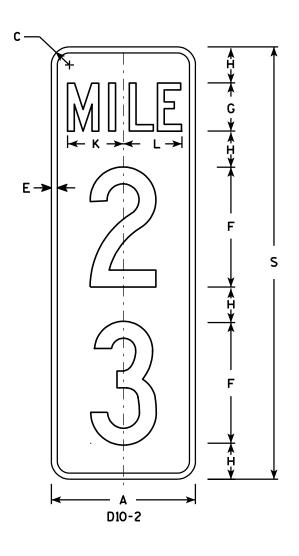
1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.

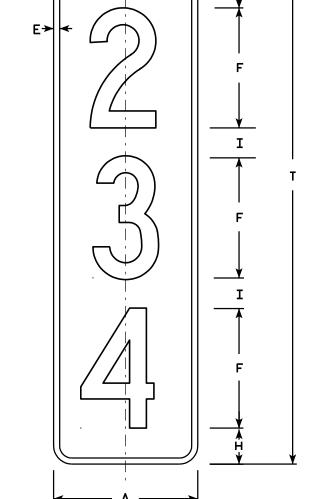
2. Color:

Background - Green Message - White - Type H Reflective

- 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. Optically adjust numerals about the centerline of the sign to achieve proper balance.







D10-3

PLOT BY : DOTDZK

Metric equivalent for this sign is:

PHY. SIZE	
12 X 24	300 mm X 600 mm
12 X 36	300 mm X 900 mm
12 X 48	300 mm X 1200 mm

		•			-	,																				
SIZE	Α	В	С	D	Ε	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	W	Х	Y	Z
1																										
2																										
3																										
4	12	24	1 1/2		1/2	10	4	3	2 1/2	4	4 %	4 1/8							36	48						
5	12	24	1 1/2		1/2	10	4	3	2 1/2	4	4 %	4 1/8							36	48						
																				1						

D10-1 D10-2 D10-3 2.0 3.0 4.0 .19 .28 .38

STANDARD SIGN D10-1 , D10-2 & D10-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED DATE 1/16/02 PLATE NO. <u>D10-3.2</u>

SHEET NO:

FILE NAME : C:\Users\Projects\tr_stdplate\D103.DGN

PROJECT NO:

PLOT DATE: 28-SEP-2005 08:20

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 400 110 00 00 110

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:

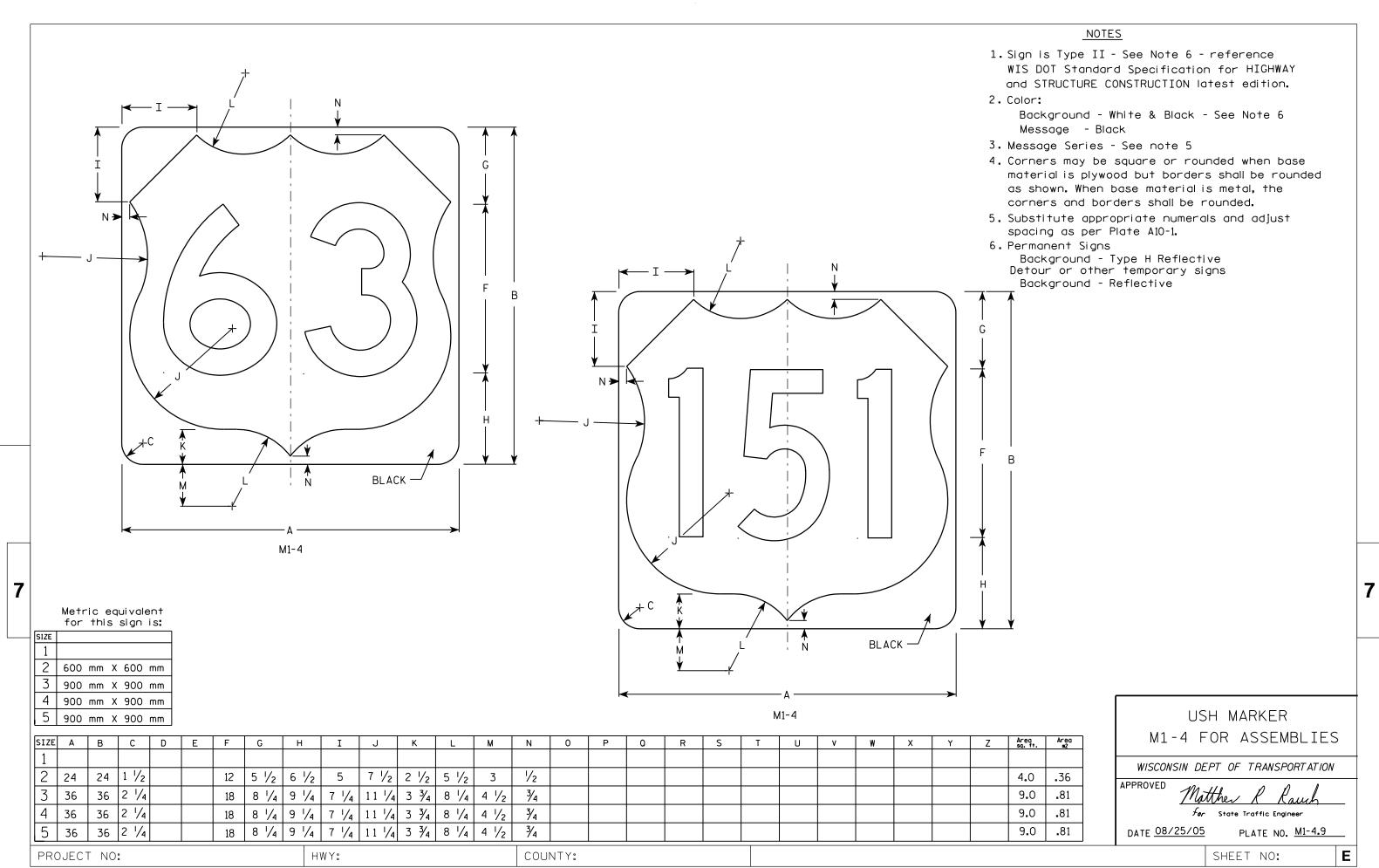
PLOT DATE: 30-SEP-2009 09:31

PLOT BY : ditjph

PLOT NAME :

PLOT SCALE : 5.561773:1.000000

5.561773:1.000000 WISDOT/CADDS SHEET 42



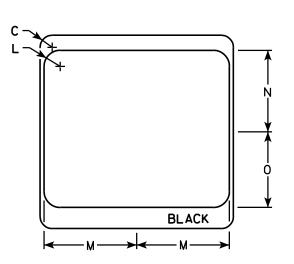
FILE NAME : C:\Users\Projects\tr_stdplate\M14.DGN

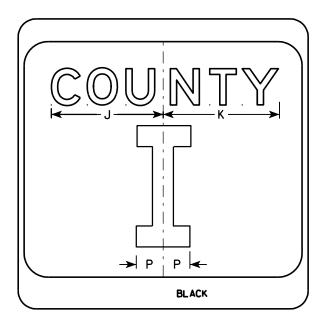
- 1. Sign is Type II see Note 7 reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

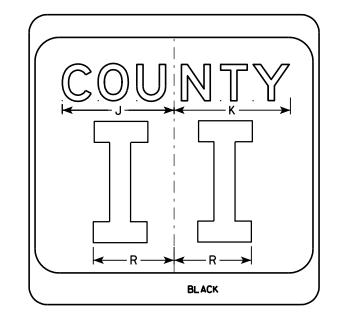
Background - White & Black - See Note 7 Message - Black

- 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

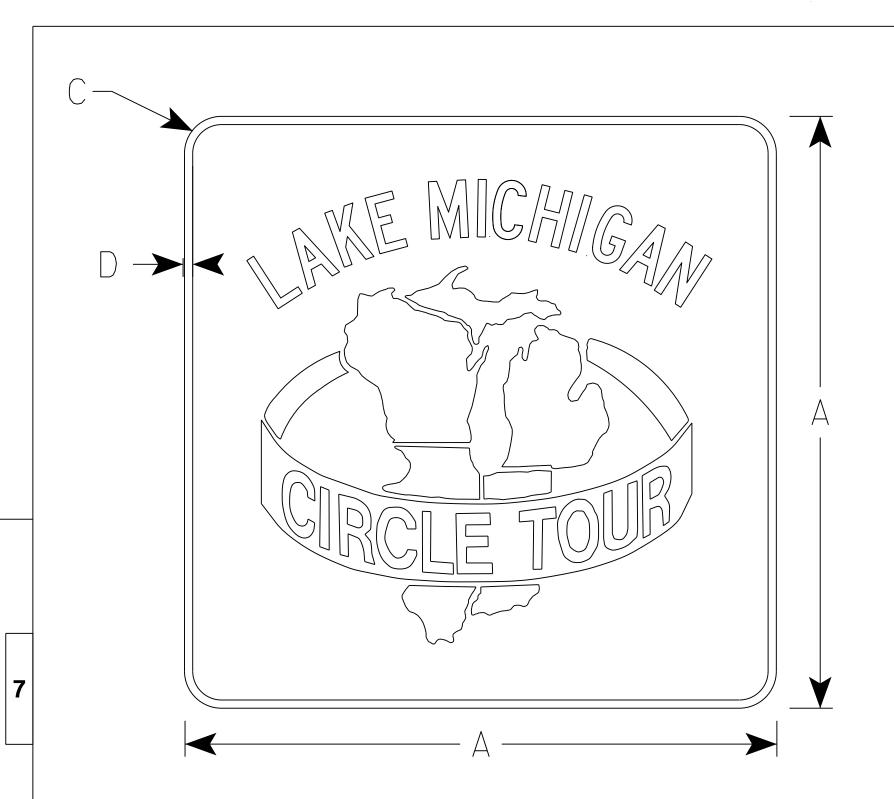
PLOT DATE: 29-SEP-2011 11:25

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 5.959043:1.000000

WISDOT/CADDS SHEET 42



HWY:

NOTES

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

Background - Green Message - White - Graphics - White Circle Tour Message is Green

- 3. Message Series Special
- 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	Q	R	S	Т	U	٧	W	Х	Y	Z	Area sq. ft.	Area m2
1 1																												
2	24			1 1/8	1/2																						4.0	.36
3																												
4	36			1 5/ ₈	3/4																						9.0	.81
5																												

COUNTY:

STANDARD SIGN M1 - 93

WISCONSIN DEPT OF TRANSPORTATION

DATE 11/5/15 PLATE NO. M1-93.2

SHEET NO:

Ε

- 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

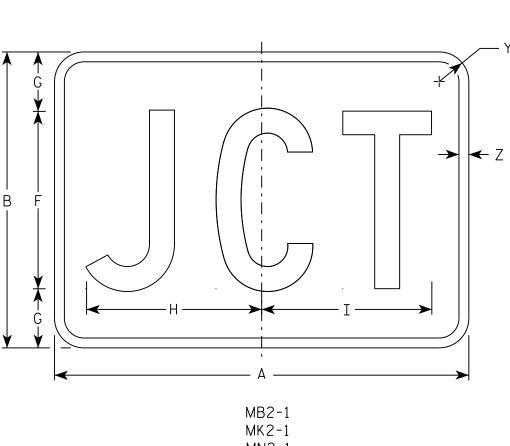
Message - White

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	Х	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:

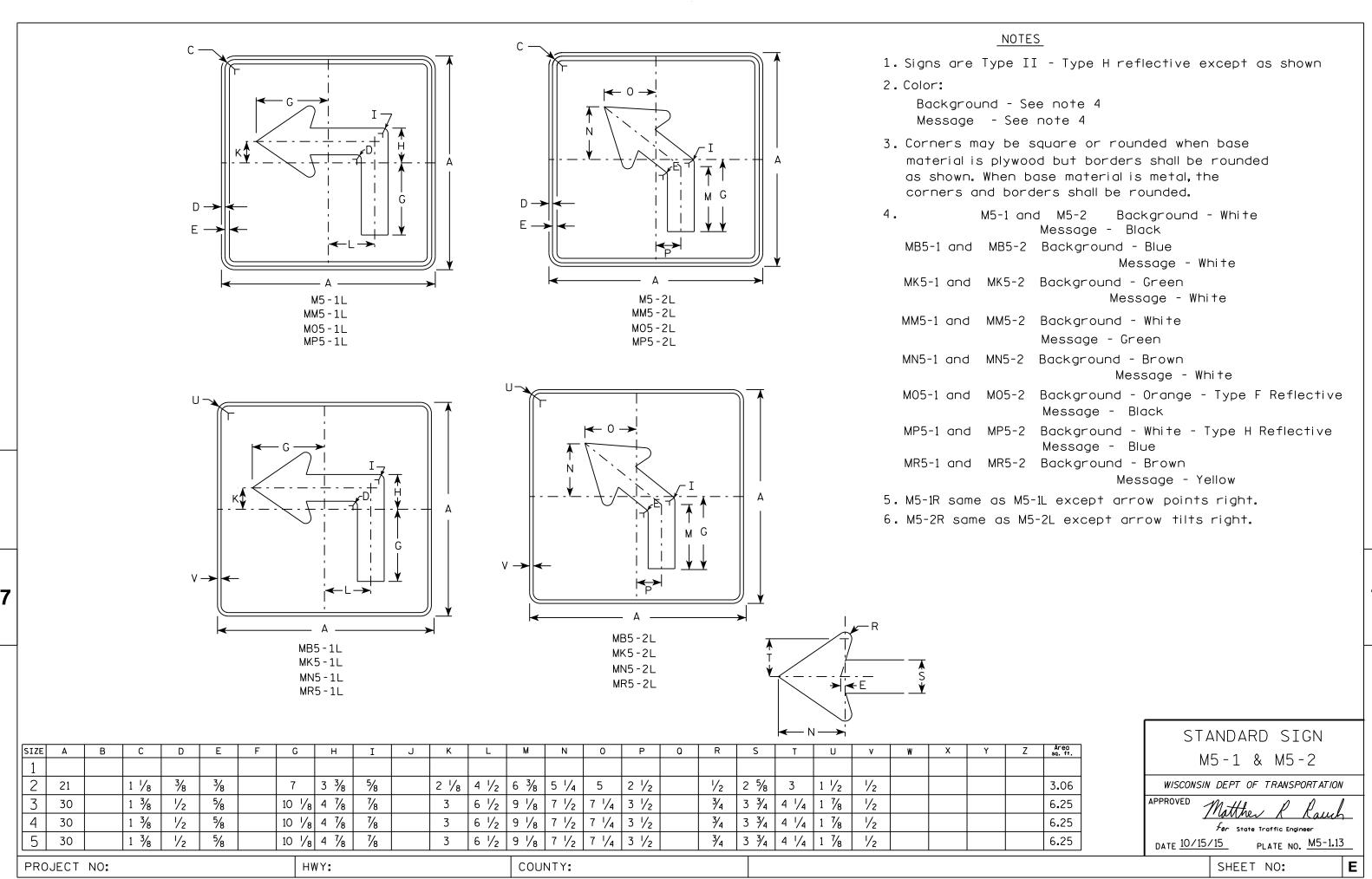
FILE NAME · C·\CAFfiles\Projects\tr stdnlote\M31 DCN

PROJECT NO:

PLOT DATE . 01-DEC-2015 17:54

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

PLOT SCALE . 11 675051.1 000000



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:

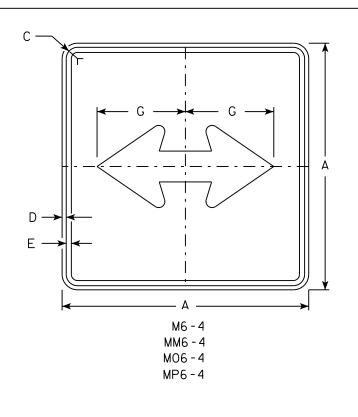
FILE NAME · C·\CAFfiles\Projects\tr stdplote\M61 DCN

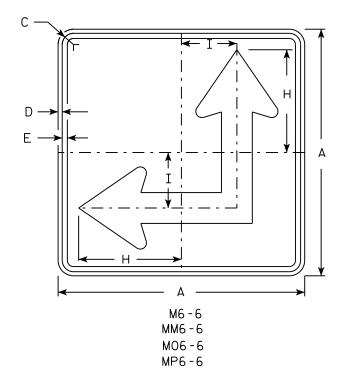
PROJECT NO:

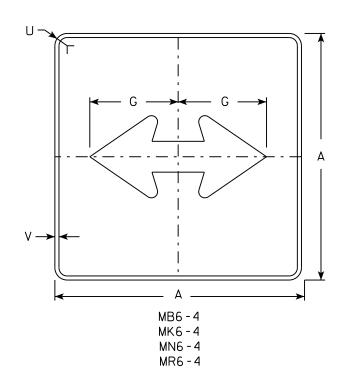
PLOT DATE . 01-DEC-2015 17:57

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

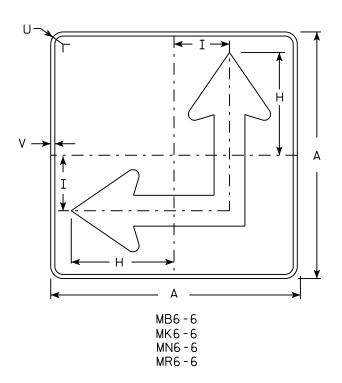
PLOT SCALE . 11 675051.1 000000







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

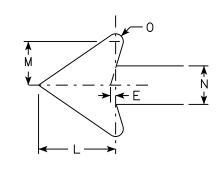
MP6-4 and MP6-6 Background - White

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 ½	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

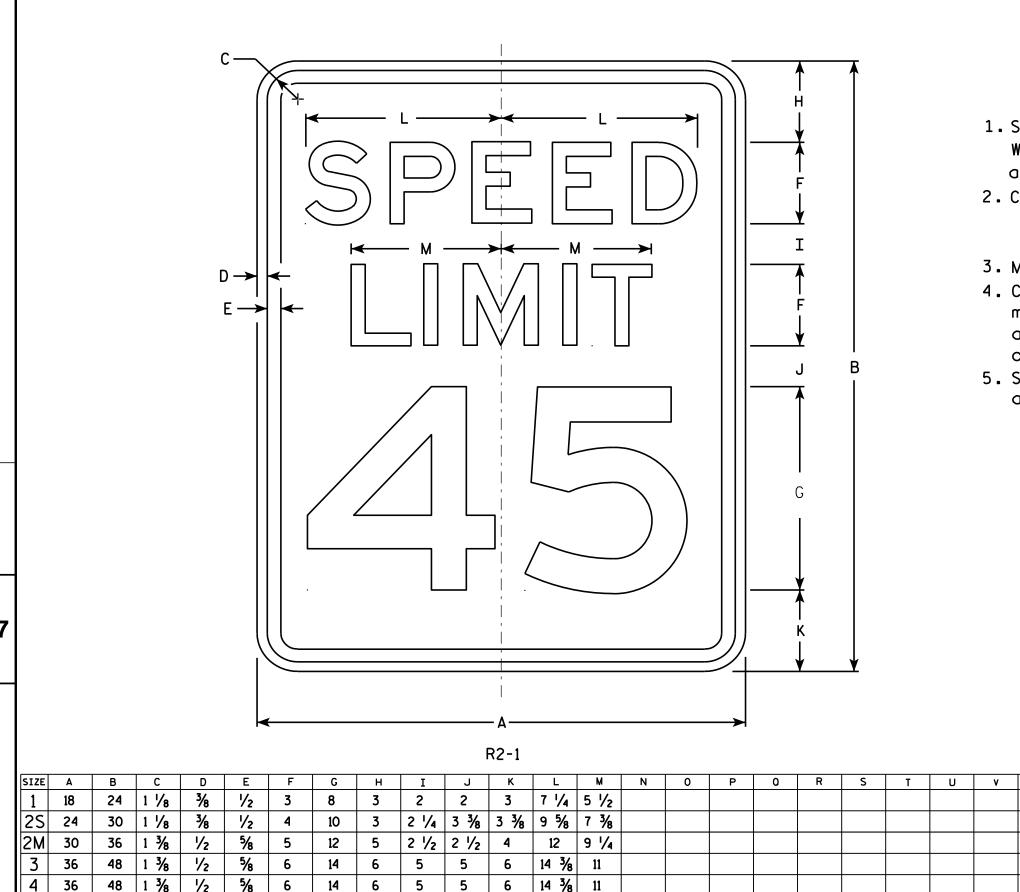
DATE 10/15/15

PLATE NO. M6-4.10 Ε

PLOT DATE . 01-DEC-2015 17.58

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

PLOT SCALE . 11 675051.1 000000



4 1/2 6 3/4 6 3/4 19 1/4 14 5/8

COUNTY:

20

HWY:

6

NOTES

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

Background - White Message - Black

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

3.0

5.0

7.5

12.0

12.0

20.0

STANDARD SIGN R2-1

WISCONSIN DEPT OF TRANSPORTATION APPROVED

Matther R Raus For State Traffic Engineer PLATE NO. R2-1.13

DATE <u>5/26/1</u>0

SHEET NO:

2 1/4

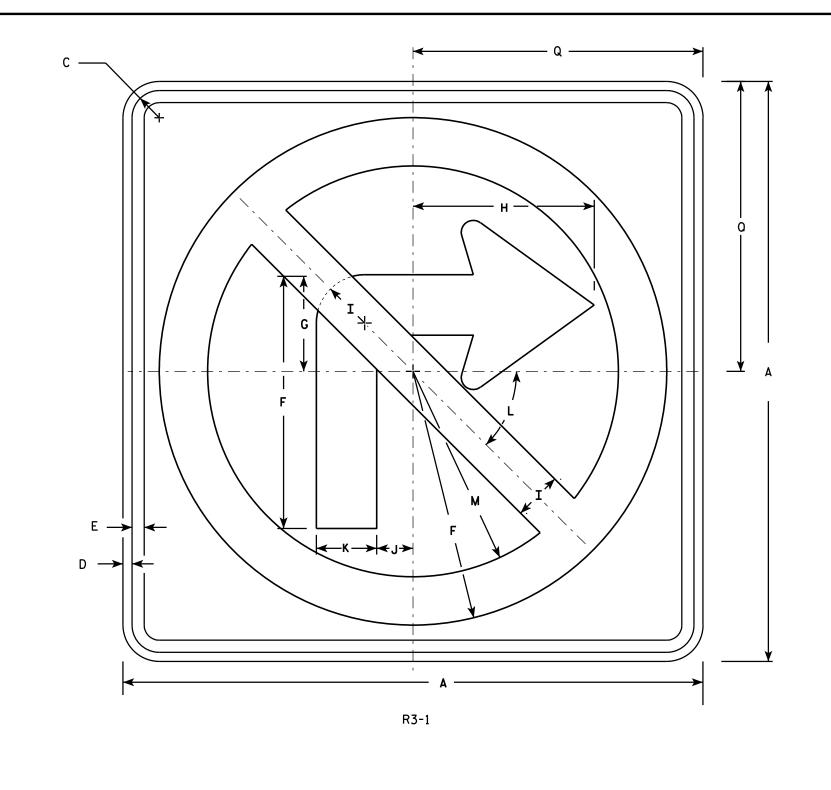
60

5

48

PROJECT NO:

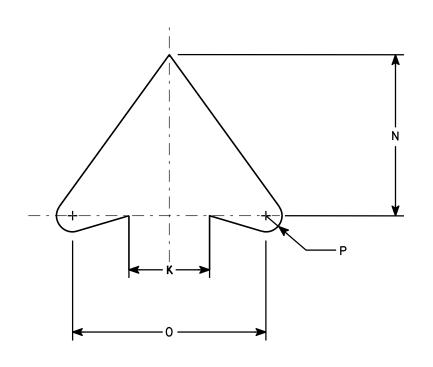
PLOT NAME :



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

Background - White Message - See note 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. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

PLOT NAME :

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	T	U	V	W	Х	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45	8 1/2	5	6	1/2	12										4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45 °	8 1/2	5	6	1/2	12										4.0
2M	36		1 %	5/8	3/4	15 ¾	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
3	36		1 %	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
4	36		1 %	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4	18										9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1	24										16.0
PRO	JECT	NO:			·		ŀ	HWY:	·			·	СО	UNTY:			·			·		·	·			·	

STANDARD SIGN R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matther

DATE12/08/10

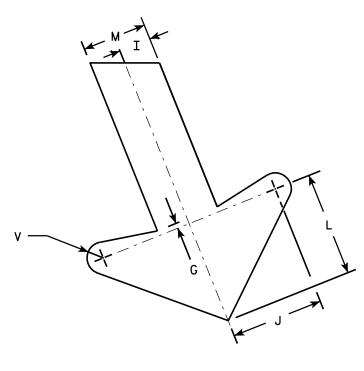
PLATE NO. __R3-1.5

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



ARROW DETAIL

SIZE	Α	В	С	D	Ε	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	W	Х	Y	Z	Areg sq. ft.
1																									1		
25	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 1/8	2	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 1/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 %	3	2 1/4	10 %	11 1/4		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

COUNTY:

R3-20L

HWY:

М

М

0

STANDARD SIGN R3-20L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED For State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20L.7 SHEET NO:

PLOT BY: dotsja

PLOT NAME :

PLOT SCALE: 5.959043:1.000000

WISDOT/CADDS SHEET 42

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R320L.DGN

PROJECT NO:

PLOT DATE: 15-OCT-2010 14:45

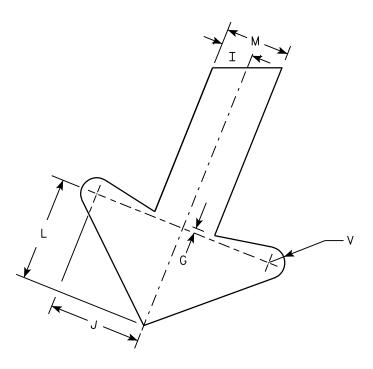
R3-20R

HWY:

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



ARROW	DETAIL

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	٧	W	Х	Y	Z	Area sq. ft.
1																											
25	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 1/8	2 %	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 1/8	2 %	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 %	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 1/8	3	2 1/4	12 3/4	12 1/2		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

COUNTY:

STANDARD SIGN R3-20R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
Forstate Traffic Engineer

SHEET NO:

DATE 10/18/10

PLATE NO. <u>R3-20R.</u>6

М

Ν

PLOT DATE: 15-OCT-2010 14:59 PLOT BY: do+sja

PLOT NAME :

PLOT SCALE : 5.959043:1.000000

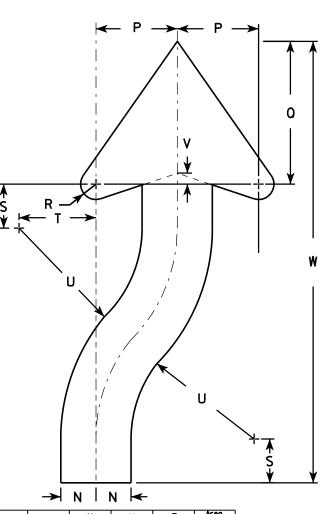
WISDOT/CADDS SHEET 42

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R320R.DGN

- 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	X	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 %	3	8	4	12 1/2	2	30	4 %	8 1/8	1 / 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 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				12.0
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:

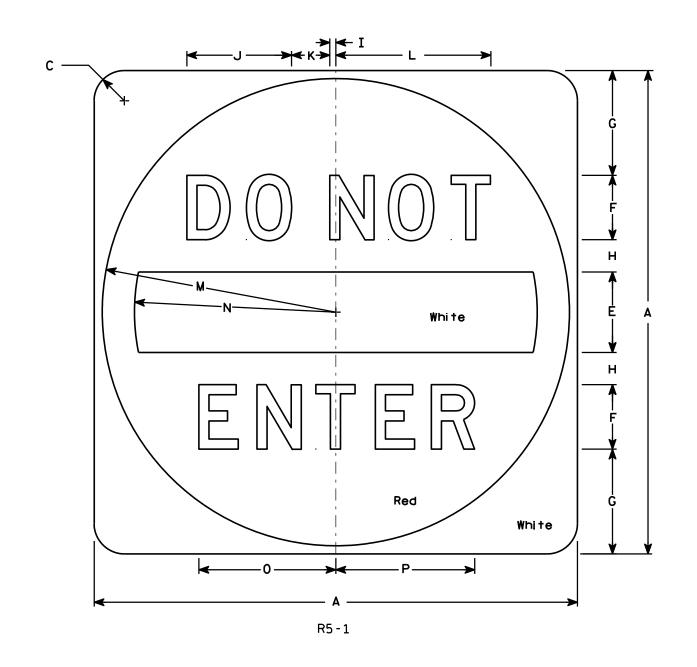
PLOT BY: mscsja

<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 - See detail Message - White - Type H Reflective

- 3. Message Series D
- 4. Corners may be square or rounded when base material is plywood but when base material is metal, the cornors shall be rounded.



SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	V	W	Х	Y	Z	Area sq. ft.
1																											
25	30		1 1/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 %	14 1/2	12 1/2	8 1/2	8 %											6.26
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 %	10 ¾											9.0
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 %	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 %	10 3/4											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 %	14 1/2	23 ½	20	12 3/4	12 1/8											16.0

COUNTY:

STANDARD SIGN R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

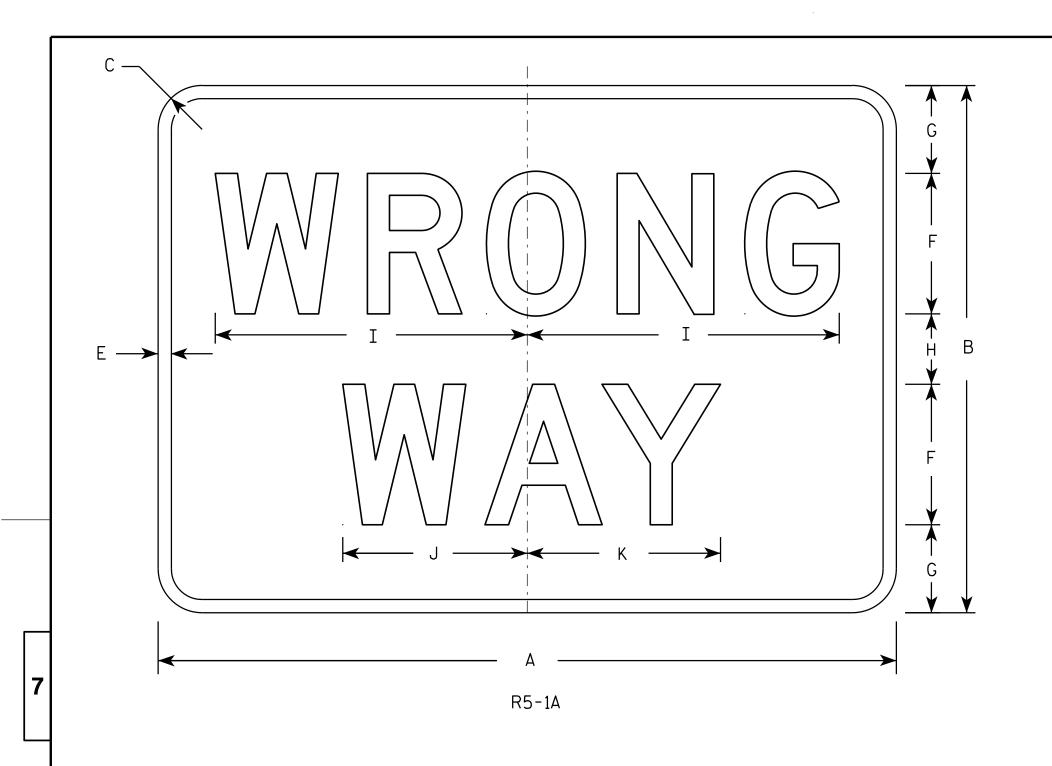
DATE 12/17/10

10 PLATE NO. R5-1.15

Р

PLOT NAME :

HWY:



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

SIZE	Α	В	С	D	Ε	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	30	18	1 1/2		1/2	5	3	2	11	6 ½	6 %																3.75
2S	36	24	2		5/8	6	4 1/2	3	13 1/4	7 1/8	8 1/4																6.00
2M	42	30	2 1/2		3/4	8	5	4	17 ¾	10 1/2	11																8.75
3	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
4	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
5	42	30	2 1/2	·	3/4	8	5	4	17 3/4	10 1/2	11	·		·													8.75

COUNTY:

STANDARD SIGN R5-1A

WISCONSIN DEPT OF TRANSPORTATION

Matther R Raud PLATE NO. R5-1A.2

DATE 12/17/10

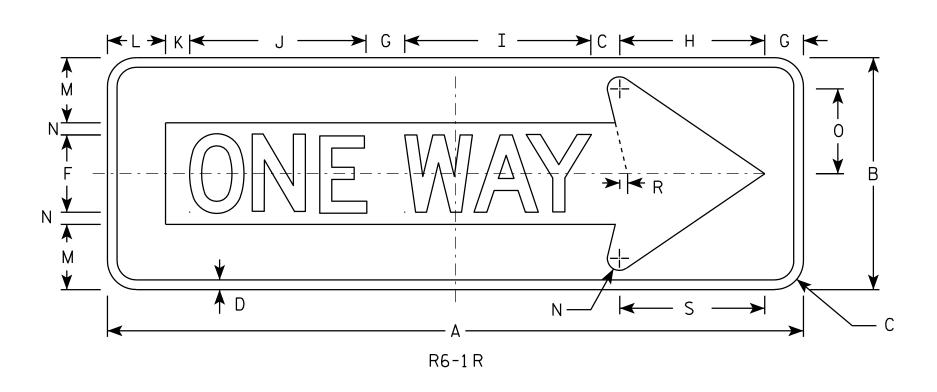
SHEET NO:

PROJECT NO:

HWY:

PLOT BY: dotsja

PLOT NAME :



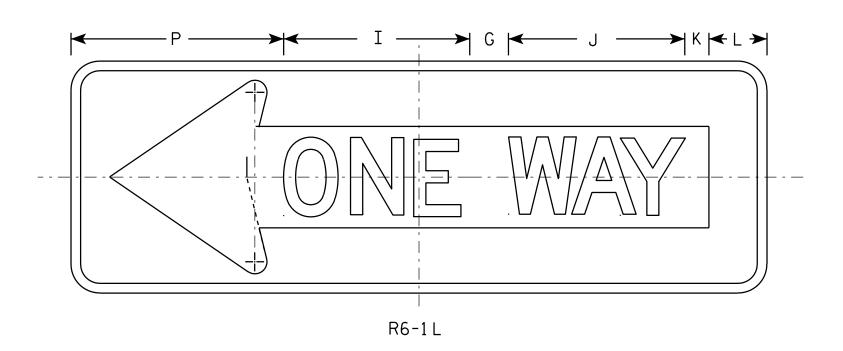
<u>NOTES</u>

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

Background - BLACK

Message - BLACK LEGEND & WHITE ARROW & BORDER

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



SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Arec sq. f
1																											
25	36	12	1 1/2	1/2		4	2	7 1/2	9 %	9 1/8	1 1/4	3	3 %	5/8	4 3/8	11		3/8	7 1/2								3.0
2M	54	18	2 1/4	3/4		6	3	11 1/4	14 1/2	13 %	1 1/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.
3	54	18	2 1/4	3/4		6	3	11 1/4	14 1/2	13 %	1 1/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.
4	54	18	2 1/4	3/4		6	3	11 1/4	14 1/2	13 %	1 1/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.
5																											

STANDARD SIGN R6-1 L & R

WISCONSIN DEPT OF TRANSPORTATION

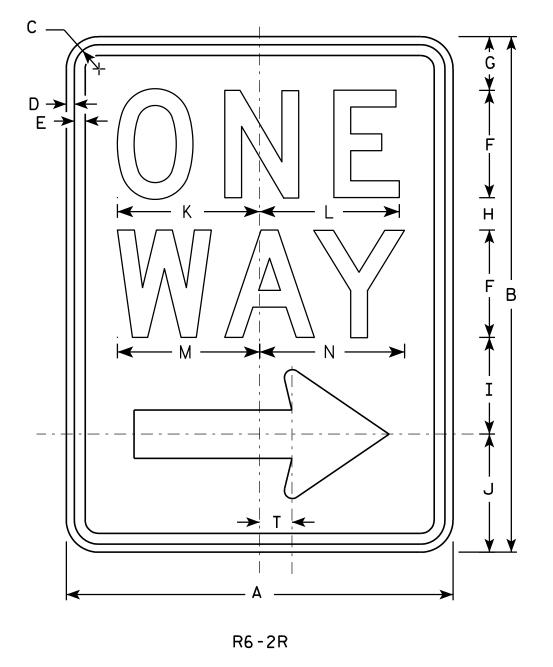
APPROVED

Matther & Kaure For State Traffic Engineer

DATE 12/17/10

O PLATE NO.R<u>6-1.2</u> SHEET NO:

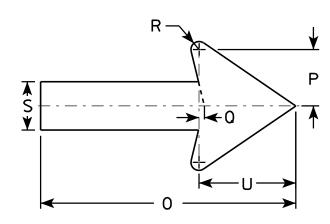
PLOT DATE: 17-DEC-2010 14:11 PLOT BY: dotsja



- 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. R6-2L same as R6-2R except arrow points to the left.



SIZE	A	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
1	18	24	1 1/8	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 ½	6 %	6 1/2	6 %	6 3/4	11 1/8	2 %	1/4	3/8	2 1/4	1 1/2	4 1/2					
2S	24	30	1 1/8	3/8	1/2	6	3	2 1/2	5 1/2	7	8 1/8	8 1/8	8 1/2	8 %	16	3 1/2	3/8	1/2	3	2	6					
2M	30	36	1 3/8	1/2	5/8	8	2 1/2	2	6 %	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 1/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 %	1/2	3/4	4 3/4	3	9					
4	36	48	1 1/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 %	1/2	3/4	4 3/4	3	9					
5																										

COUNTY:

STANDARD SIGN R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE 11/2/10

PLATE NO. R6-2.8 SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R62.DGN

HWY:

PROJECT NO:

PLOT DATE: 02-NOV-2010 15:25

PLOT BY: ditjph

PLOT NAME :

PLOT SCALE: 4.469282:1.000000

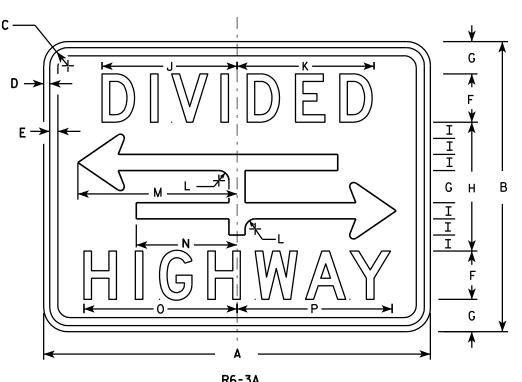
WISDOT/CADDS SHEET 42

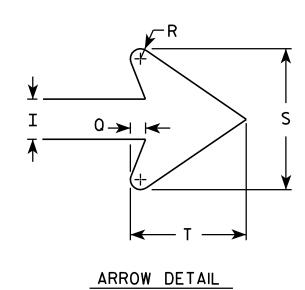
<u>NOTES</u>

- 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.





P6-3/	ı

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	24	18	1 1/8	3/8	3/8	3	2	8	1	8 3/8 8	3 1/2	5/8	9 %	6 1/4	9 1/2	9 %	3∕8	1/4	3 1/2	2 3/4							3.0
25	30	24	1 1/8	3/8	1/2	4	2 5/8	10 ¾	1 3/8	10 1/2 1	10 %	%	12 1/2	7 1/8	12 1/4	12 3/8	1/2	3/8	4 %	3 %							5.0
2N	30	24	1 1/8	3/8	1/2	4	2 %	10 ¾	1 3/8	10 1/2 10	10 %	1∕8	12 1/2	7 1/8	12 1/4	12 3/8	1/2	3/8	4 %	3 %							5.0
3																											
4																											
5								·																		·	

STANDARD SIGN R6-3 & R6-3A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

for State Traffic Engineer DATE 3/31/2011 PLATE NO. R6-3.5

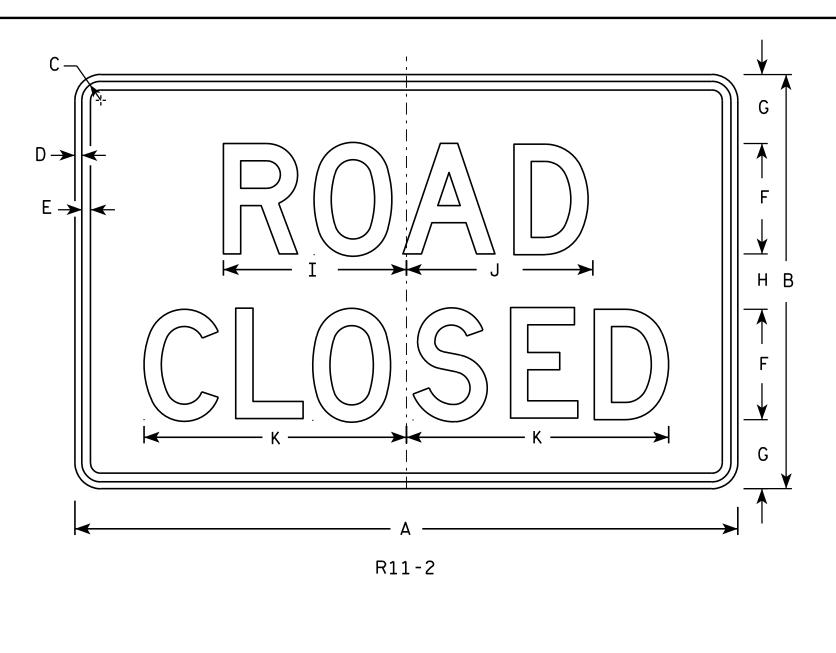
SHEET NO:

5.959043:1.000000

R6-3

PLOT DATE: 31-MAR-2011 09:08

PLOT BY: mscsja

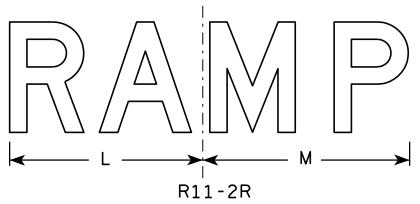


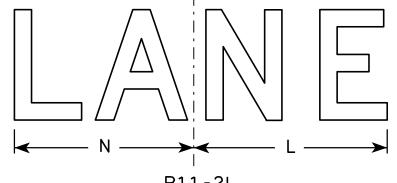
<u>NOTES</u>

- 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:

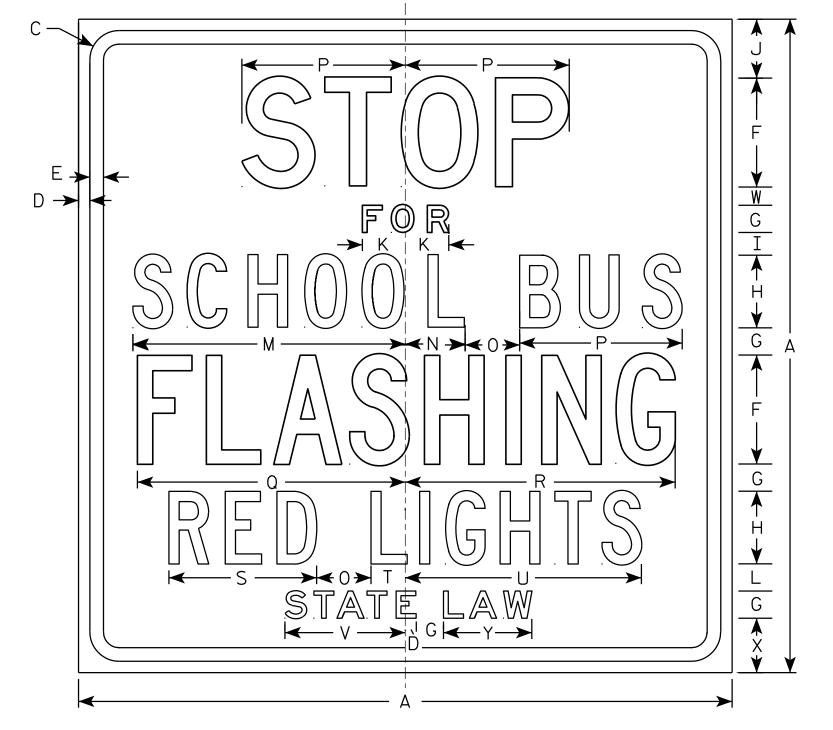
STANDARD SIGN R11-2

WISCONSIN DEPT OF TRANSPORTATION

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

SHEET NO:

HWY:



- 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 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
 Lines 2 & 6 are Series E
 Line 3,4 & 5 are Series C

R59-51

SIZE	Α	В	C	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	V	W	X	Y	Z'	Area sq. ft.
1																											
25	36		1 %	5/8	3/4	6	1 1/2	4	1 1/4	3 1/4	2 3/8	1 1/2	15	3 1/4	3	9	14 3/4	14 %	8 1/8	1 %	13	6 %	1	3	4 %		9.0
2M	36		1 %	5/8	3/4	6	1 1/2	4	1 1/4	3 1/4	2 3/8	1 1/2	15	3 1/4	3	9	14 3/4	14 %	8 1/8	1 %	13	6 %	1	3	4 1/8		9.0
3	48		2 1/4	3/4	1	8	2	6	1 1/4	4 3/4	3 1/4	1 1/2	20 1/4	5	3 %	12	19 1/2	20	11 5/8	3 3/4	19	9 1/2	1	3 1/2	6 3/4		16.0
4	48		2 1/4	3/4	1	8	2	6	1 1/4	4 3/4	3 1/4	1 1/2	20 1/4	5	3 %	12	19 1/2	20	11 5/8	3 3/4	19	9 1/2	1	3 1/2	6 3/4		16.0
5																											
		•			•					-				•	-		•	•	_	•	•	-					

COUNTY:

STANDARD SIGN R59-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch

For State Traffic Engineer

DATE 3/30/11 PLATE NO. R59-51.10

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R5951.DGN

HWY:

PROJECT NO:

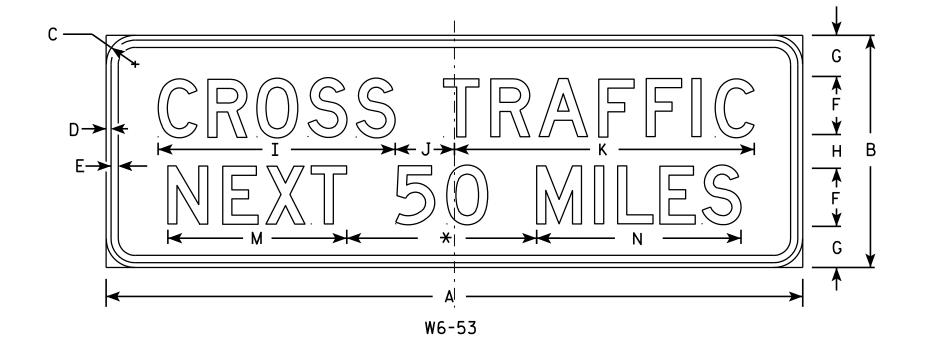
30-MAR-2011 09:59

PLOT DATE: 30-MAR-2011 09:59

PLOT NAME :

PLOT BY: mscj9h

PLOT SCALE: 5.287650:1.000000



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

Background - Yellow

Message - Black Non - reflective

3. Message Series - D

PLOT NAME :

- 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.

* Varies (See Note 5)

Areg SIZE 0 3 4 1 1/2 49 | 12 1/4 | 62 37 | 42 1/4 144 48 6 12 9 6 48.0 5

COUNTY:

STANDARD SIGN W6-53

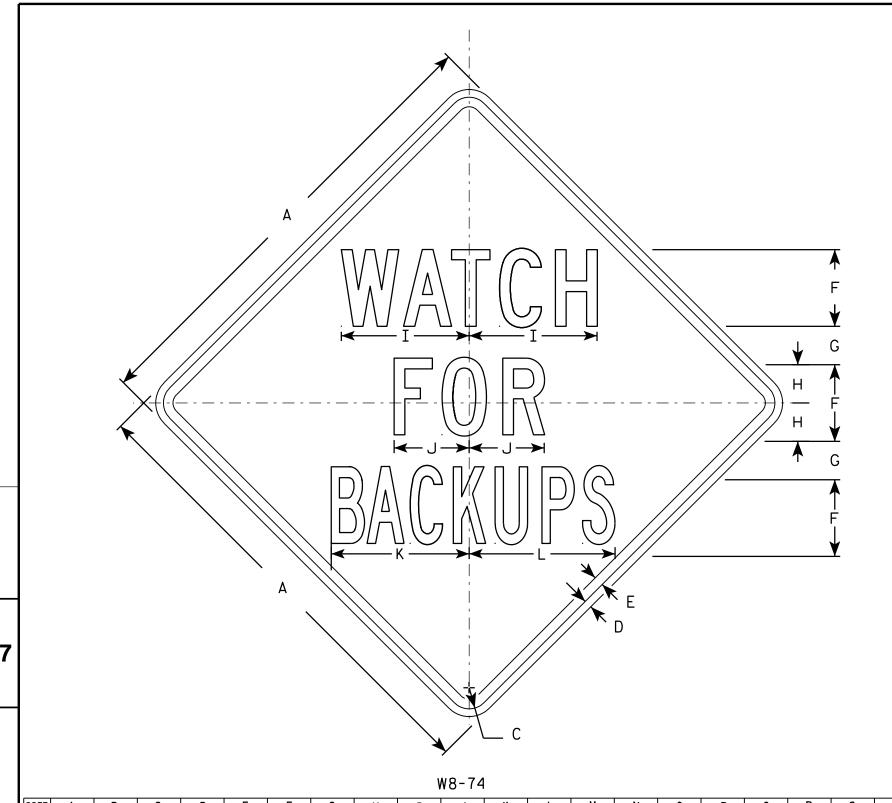
For State Traffic Engineer

DATE 03/12/13 PLATE NO. W6-53.6

SHEET NO:

PROJECT NO:

HWY:



HWY:

NOTES

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

Background - ORANGE Message - BLACK

- 3. Message Series C except Line 3 is 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.

Α	В	C	D	E	F	G	H	I	J	K	L	M	N	0	Р	0	R	S	Т	U	V	W	X	Y	Z	sq. ft.
36		1 %	5/8	3/4	6	2 1/2	3	10	5 %	10 ¾	11 3/8															9.0
36		1 %	5/8	3/4	6	2 1/2	3	10	5 %	10 ¾	11 3/8															9.0
48		2 1/4	3/4	1	8	4	4	13 %	7 1/8	14 3/8	15 1/4															16.0
48		2 1/4	3/4	1	8	4	4	13 %	7 1/8	14 3/8	15 1/4															16.0
48		2 1/4	3/4	1	8	4	4	13 %	7 1/8	14 3/8	15 1/4															16.0
	36 36 48 48	36 36 48 48	36 1 5/8 36 1 5/8 48 2 1/4 48 2 1/4	36 1 5/8 5/8 36 1 5/8 5/8 48 2 1/4 3/4 48 2 1/4 3/4	36 1 5/8 5/8 3/4 36 1 5/8 5/8 3/4 48 2 1/4 3/4 1 48 2 1/4 3/4 1	36	36	36	36	36	36	36 1 \(\frac{1}{9} \) \(\frac{1}{9} \) \(\frac{1}{9} \) 3 10 5 \(\frac{7}{8} \) 10 \(\frac{3}{4} \) 11 \(\frac{3}{8} \) 36 1 \(\frac{5}{8} \) \(\frac{5}{8} \) \(\frac{3}{4} \) 6 2 \(\frac{1}{2} \) 3 10 5 \(\frac{7}{8} \) 10 \(\frac{3}{4} \) 11 \(\frac{3}{8} \) 48 2 \(\frac{1}{4} \) \(\frac{3}{4} \) 1 8 4 4 13 \(\frac{5}{8} \) 7 \(\frac{7}{8} \) 14 \(\frac{3}{8} \) 15 \(\frac{1}{4} \) 48 2 \(\frac{1}{4} \) \(\frac{3}{4} \) 1 8 4 4 13 \(\frac{5}{8} \) 7 \(\frac{7}{8} \) 14 \(\frac{3}{8} \) 15 \(\frac{1}{4} \)	36	36	36	36	36	36	36	36	36	36	36	36 1 \(\frac{5}{8}\) \(\frac{7}{4}\) 6 2 \(\frac{7}{2}\) 3 10 5 \(\frac{7}{8}\) 10 \(\frac{7}{4}\) 11 \(\frac{7}{8}\) 8 4 6 2 \(\frac{7}{2}\) 3 10 5 \(\frac{7}{8}\) 10 \(\frac{7}{4}\) 11 \(\frac{7}{8}\) 12 \(\frac{7}{4}\) 11 \(\frac{7}{8}\) 12 \(\frac{7}{4}\) 12 \(\frac{7}{4}\	36	36

COUNTY:

STANDARD SIGN W8-74

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew & A for State Traffic Engineer

DATE 3/23/11 DIATE NO. WI

DATE 3/23/11 PLATE NO. W8-74.2

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W874.DGN

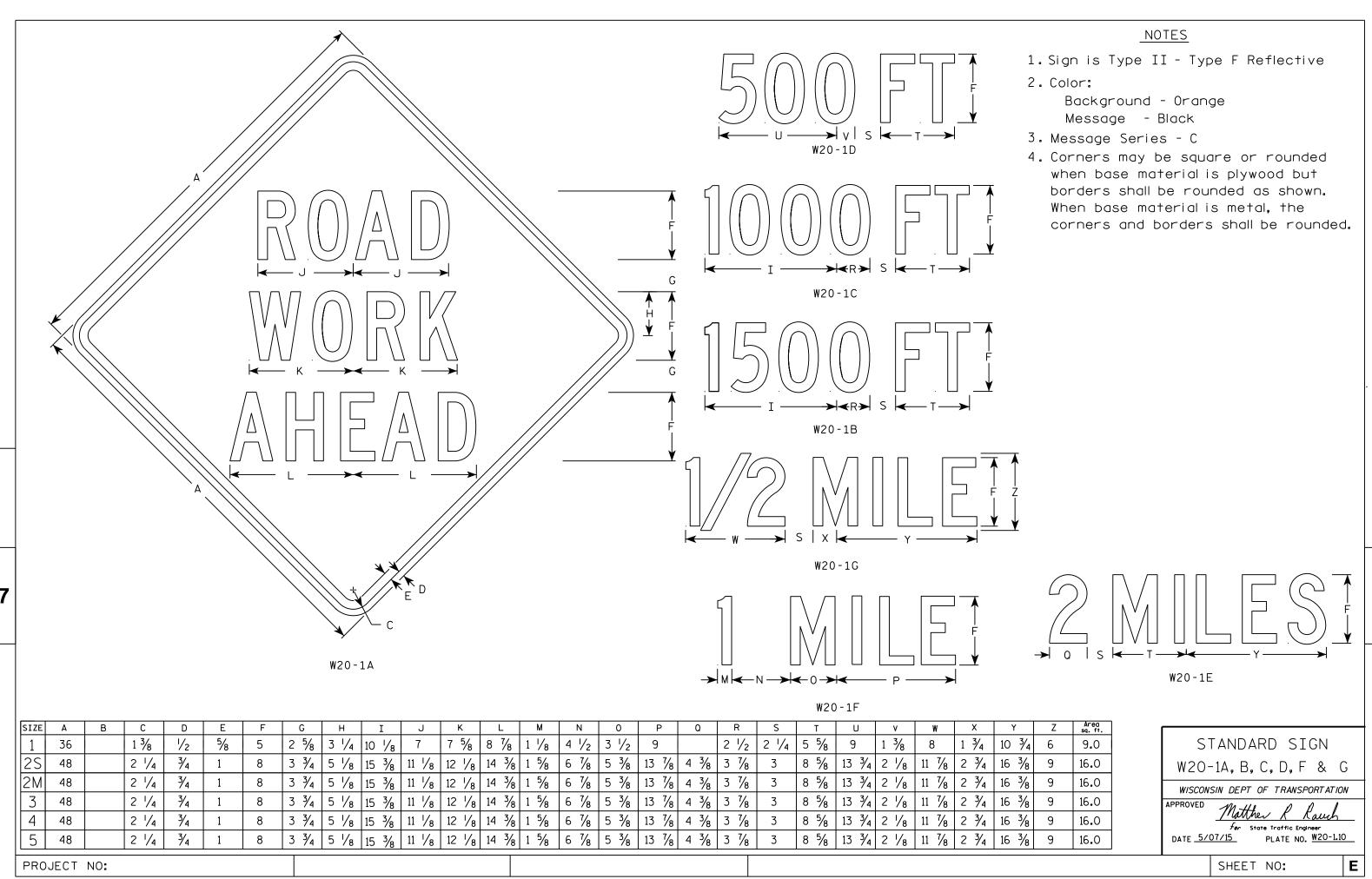
PROJECT NO:

PLOT DATE: 23-MAR-2011 10:22

PLOT NAME :

PLOT BY: mscj9h

PLOT SCALE: 7.510884:1.000000



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

PLOT DATE . 01-DEC-2015 18.24

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

- 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	

	W20-5A																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 %	19	18 3/8	16	14 1/4	1 1/8	1 1/2	6	4 %	12	2 1/8	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 %	19	18 3/8	16	14 1/4	1 1/8	1 1/2	6	4 %	12	2 5/8	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 5/8	7 1/2	13 1/2	3 3/8	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 ¾	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 %	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

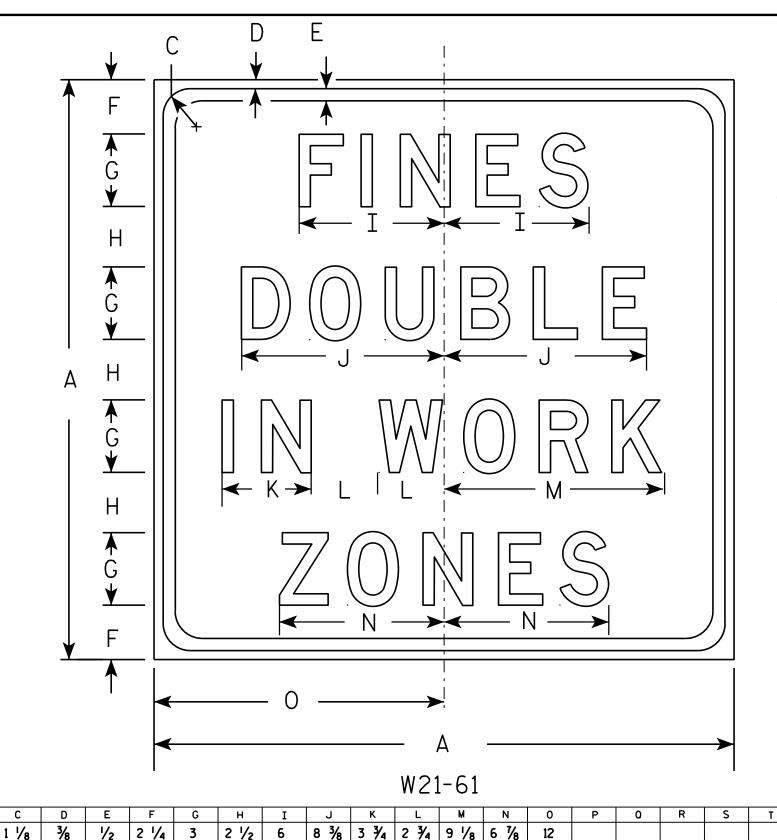
W20-55A

PLOT DATE: 18-MAR-2011 12:15

PLOT NAME :

PLOT SCALE: 11.918087:1.000000

WISDOT/CADDS SHEET 42



12 \\ 5 \\ 2 \ 4 \\ 8 \ 13 \\ 34 \ 10 \\ 4

| 16 3/4 | 7 3/8 | 5 1/2 | 18 1/4 | 13 5/8 |

COUNTY:

NOTES

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

Background - White Message - Black

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

4.0

9.0

9.0

16.0

STANDARD SIGN W21-61 APPROVED

WISCONSIN DEPT OF TRANSPORTATION For State Traffic Engineer

DATE 3/21/11

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W2161.DGN

1 %

1 5/8

2 1/4

3/4

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

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

HWY:

4 1/2

3/4

SIZE

2S

2M

3

4

5

24

36

36

48

PROJECT NO:

PLOT DATE: 21-MAR-2011 10:21

24

PLOT BY: mscj9h

PLOT NAME :

PLOT SCALE: 7.945391:1.000000

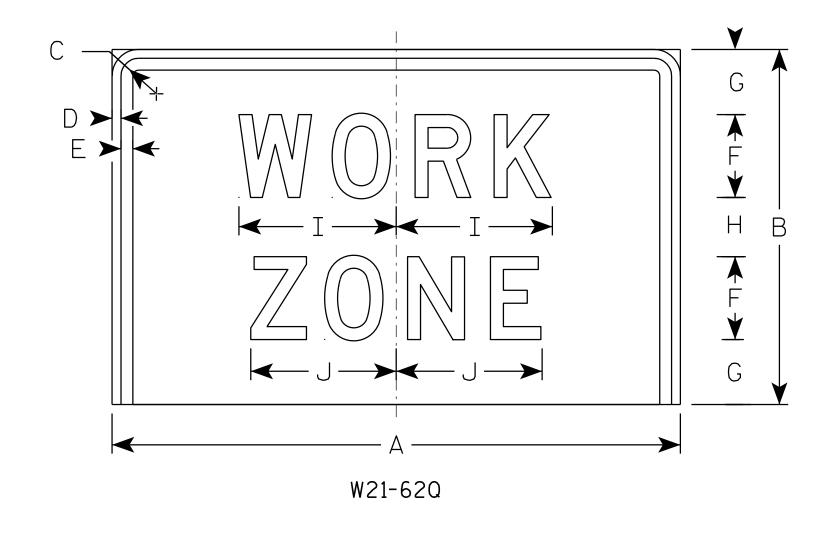
WISDOT/CADDS SHEET 42

PLATE NO. W21-61.4

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

Background - Orange Message - Black

3. Message Series - D



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																											
2S	48	30	2 1/4	3/4	1	7	5 1/2	5	13 1/4	12 1/4																	10.0
2M	48	30	2 1/4	3/4	1	7	5 1/2	5	13 1/4	12 1/4																	10.0
3																											
4																											
5																											
PRO	PROJECT NO: HWY:									COUN	TY:																

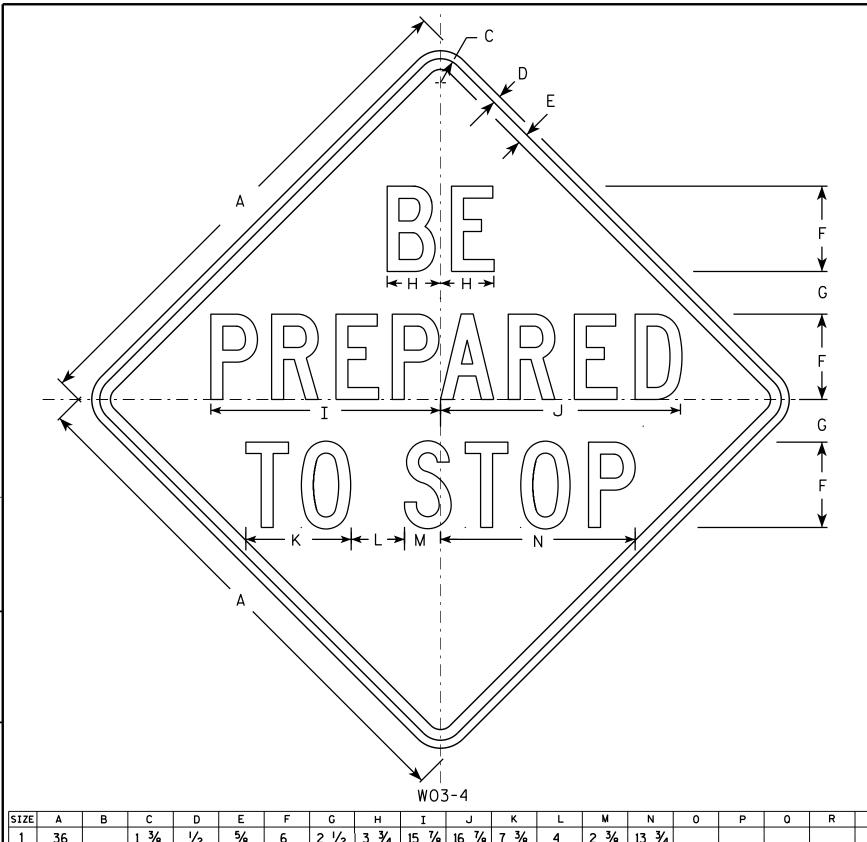
STANDARD SIGN W21-62Q

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer DATE 3/21/11 PLATE NO. W21-620.2

SHEET NO:

PLOT NAME :



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

Background - 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 :

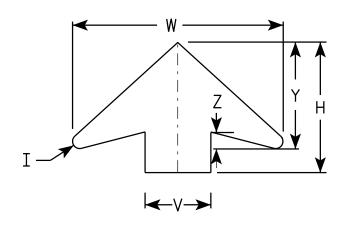
WISDOT/CADDS SHEET 42

PLOT SCALE: 8.999518:1.000000

<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 - ORANGE* Message - BLACK
- 3. Message Series C for numbers Series E for wording
- 4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance

*Speed Limit Sign shall have a White Background



ARROW DETAIL

SIZE	Α	В	С	D	Ε	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	C	٧	W	X	Y	Z	Areo sq. ft.
1	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3∕8	9 3/4	1 5/8	9.0
2S	48		2 1/4	3/4	1	19 1/4	10 ¾	17 3/8	1∕8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3%	12	8	25 %	3∕8	13	2	16.0
2M	48		2 1/4	3/4	1	19 1/4	10 ¾	17 3/8	7∕8	30	2 1/4	4	1 1/4	15	10	1 %	1/2	8	9 1/4	9 3/8	12	8	25 %	3⁄8	13	2	16.0
3	48		2 1/4	3∕4	1	19 1/4	10 ¾	17 3/8	7∕8	30	2 1/4	4	1 1/4	15	10	1 %	1/2	8	9 1/4	9 3%	12	8	25 %	3⁄8	13	2	16.0
4	48		2 1/4	3/4	1	19 1/4	10 ¾	17 3/8	⅓	30	2 1/4	4	1 1/4	15	10	1 %	1/2	8	9 1/4	9 3%	12	8	25 %	3/8	13	2	16.0
5	48		2 1/4	3/4	1	19 1/4	10 ¾	17 3/8	1 / ₈	30	2 1/4	4	1 1/4	15	10	1 %	1/2	8	9 1/4	9 3/8	12	8	25 %	3∕8	13	2	16.0

STANDARD SIGN W03 - 5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Raul

DATE 11/20/13

PLATE NO. W03-5.1

SHEET NO:

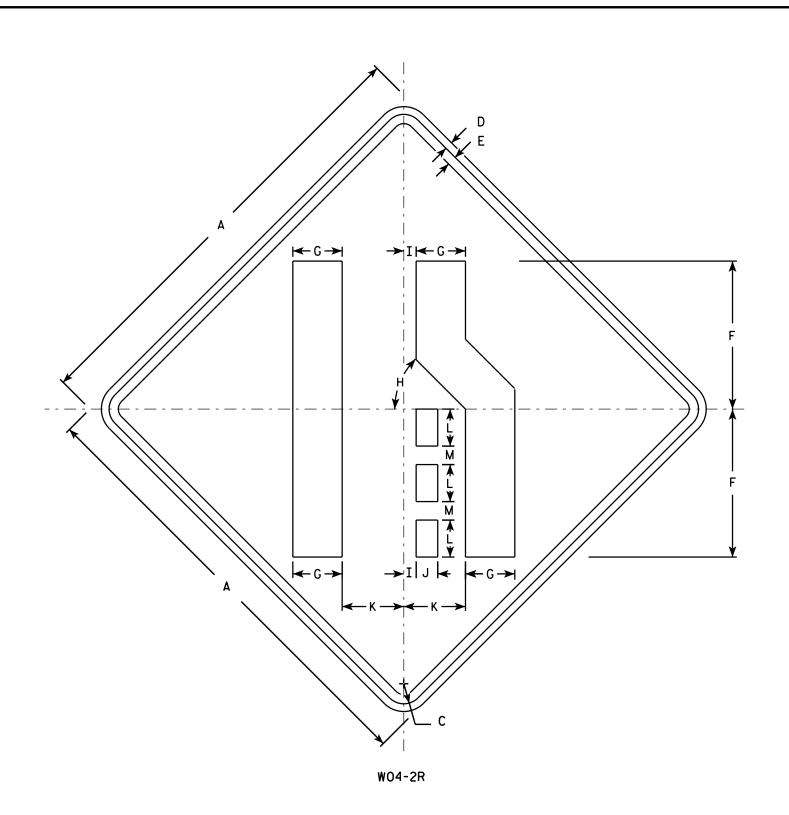
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W035.DGN

PROJECT NO:

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

Background - 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>

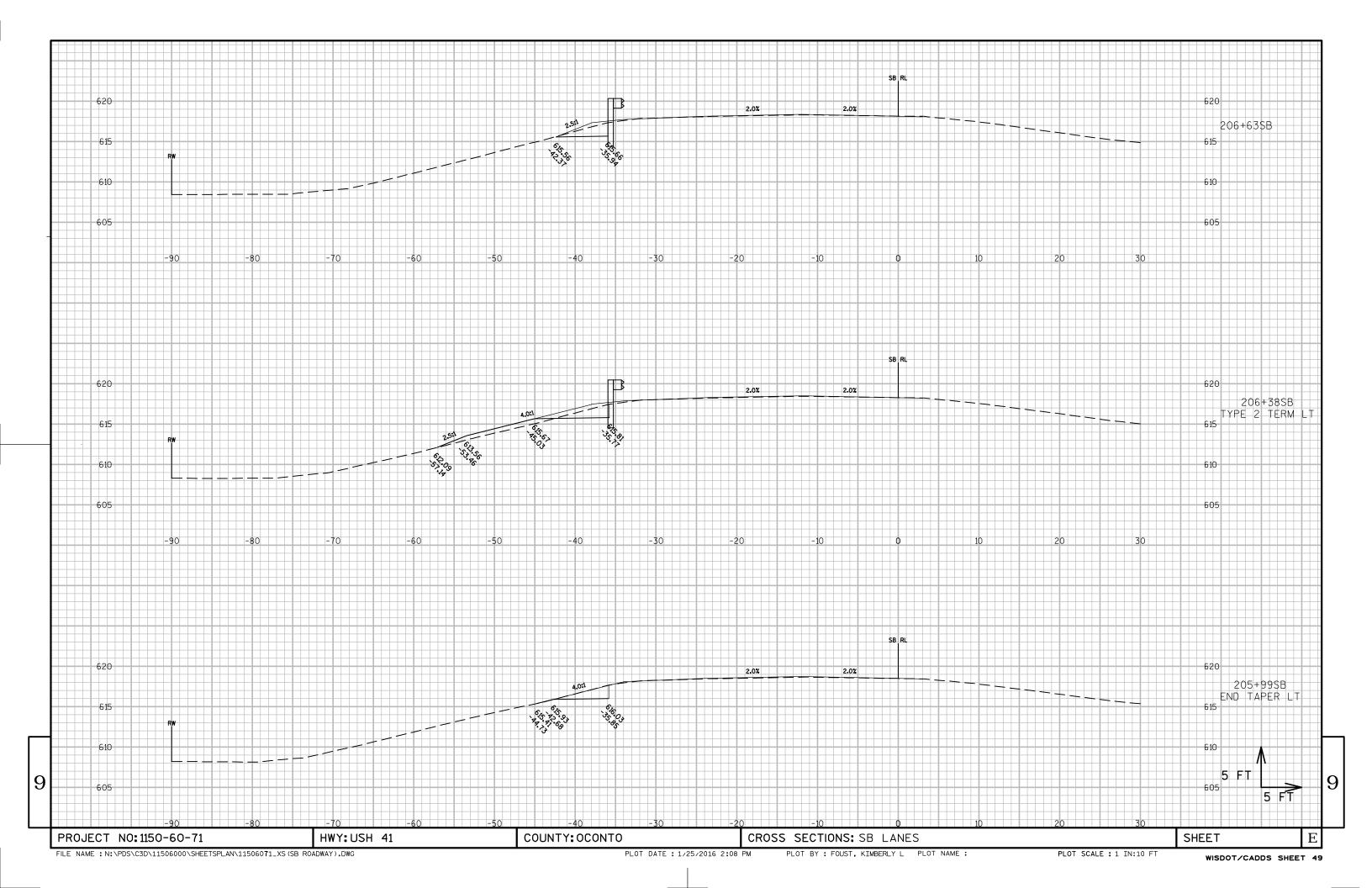
SHEET NO:

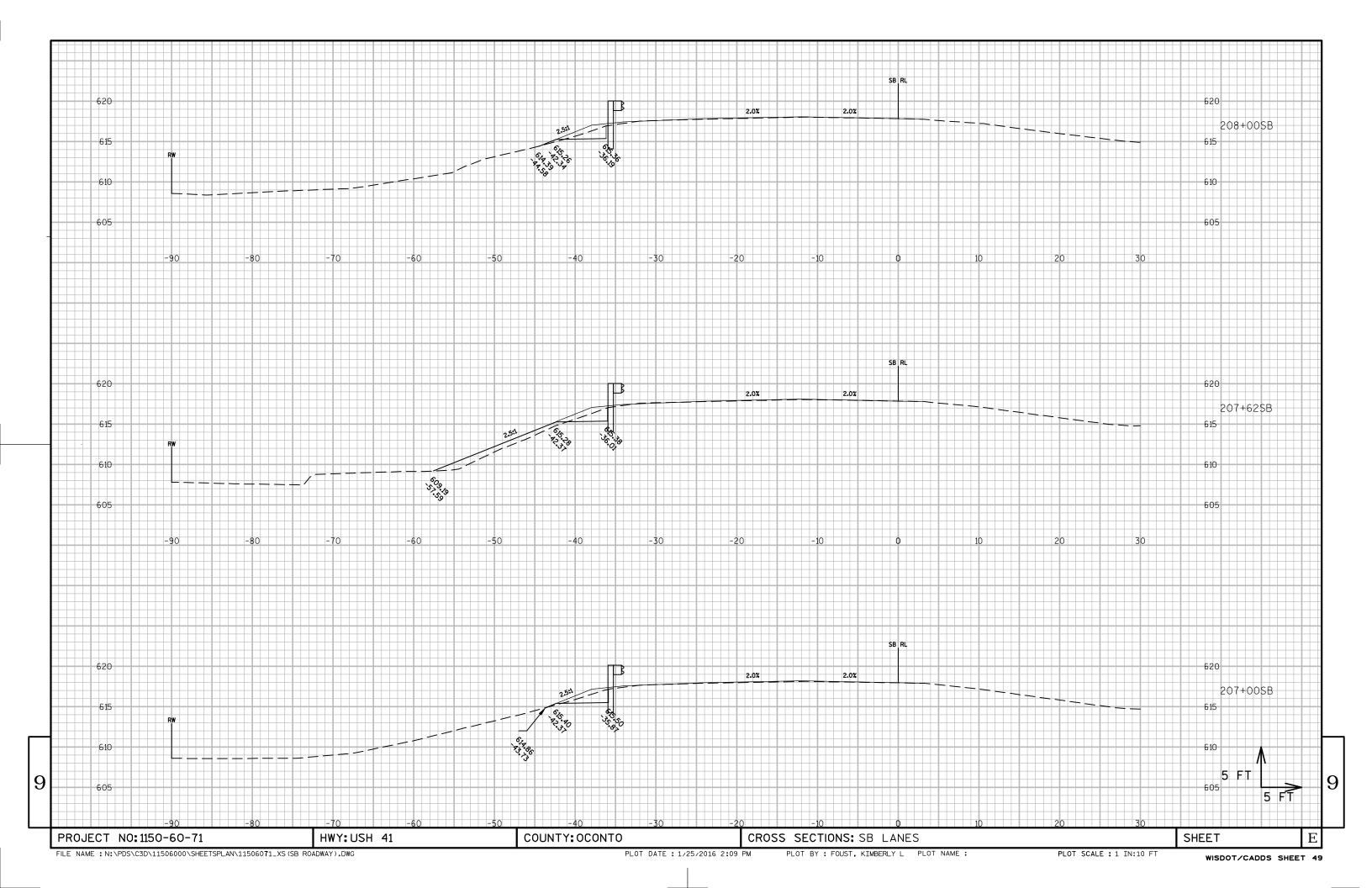
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W042.DGN

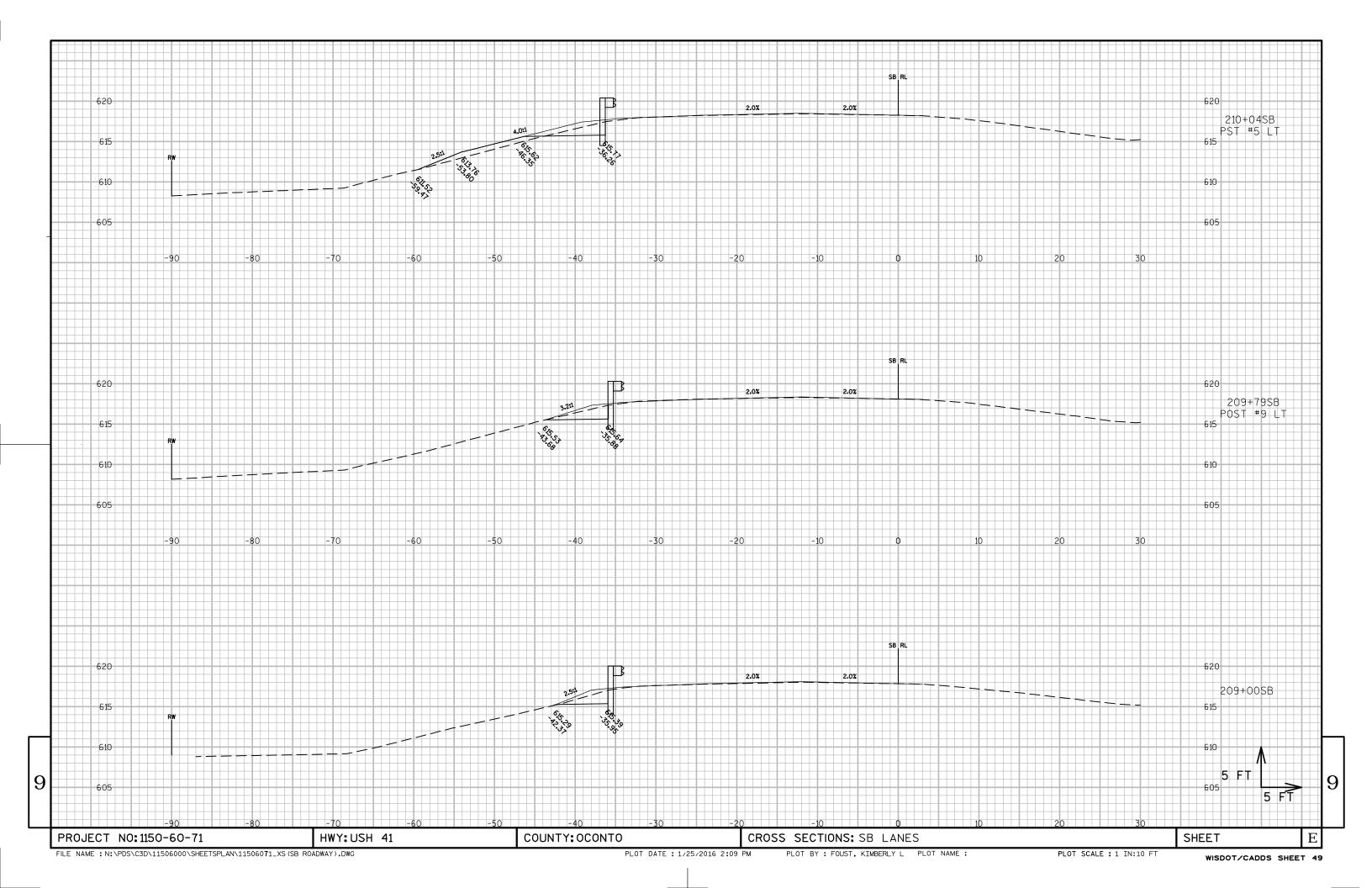
PROJECT NO:

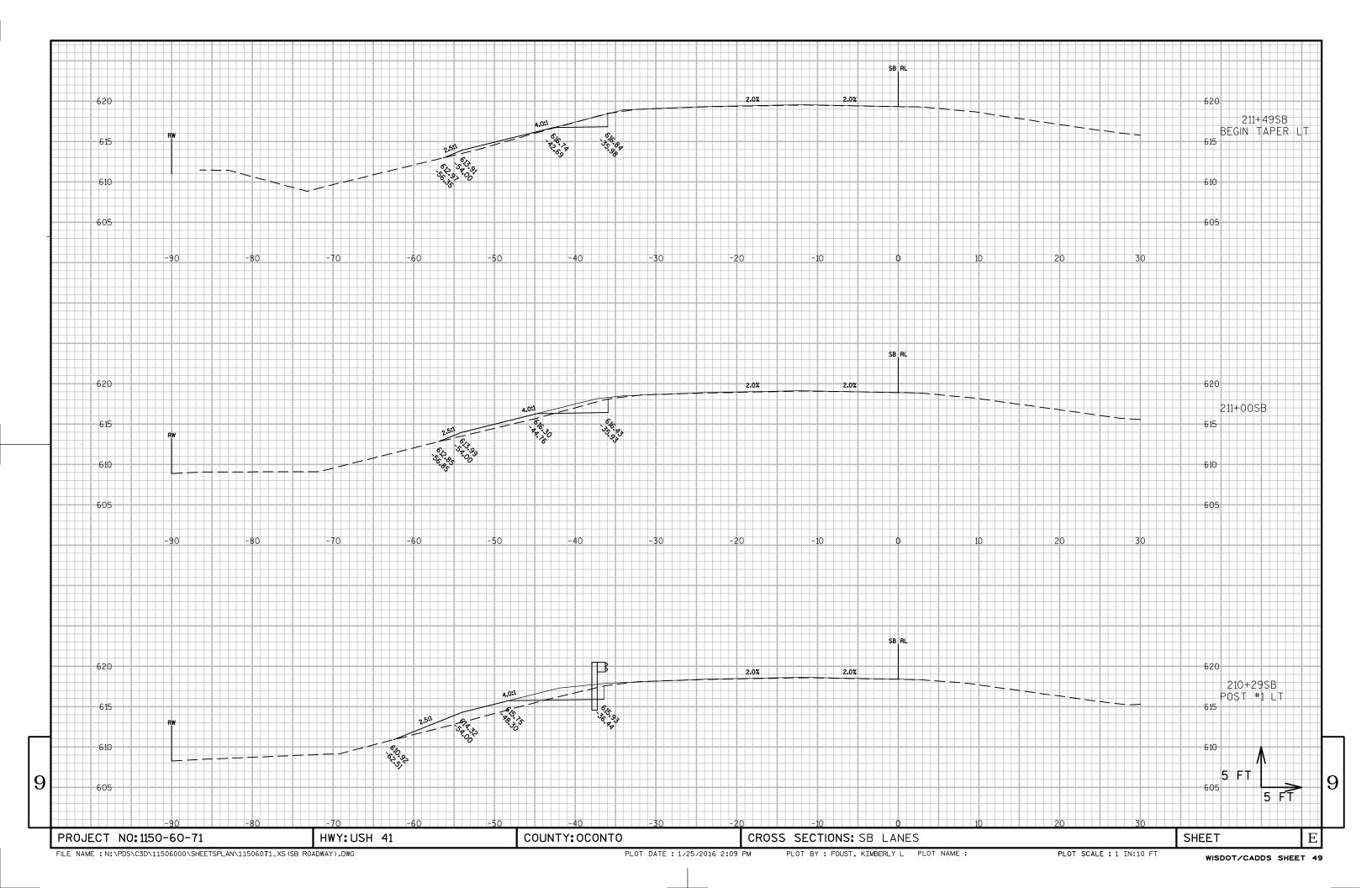
PLOT DATE: 20-NOV-2013 11:43

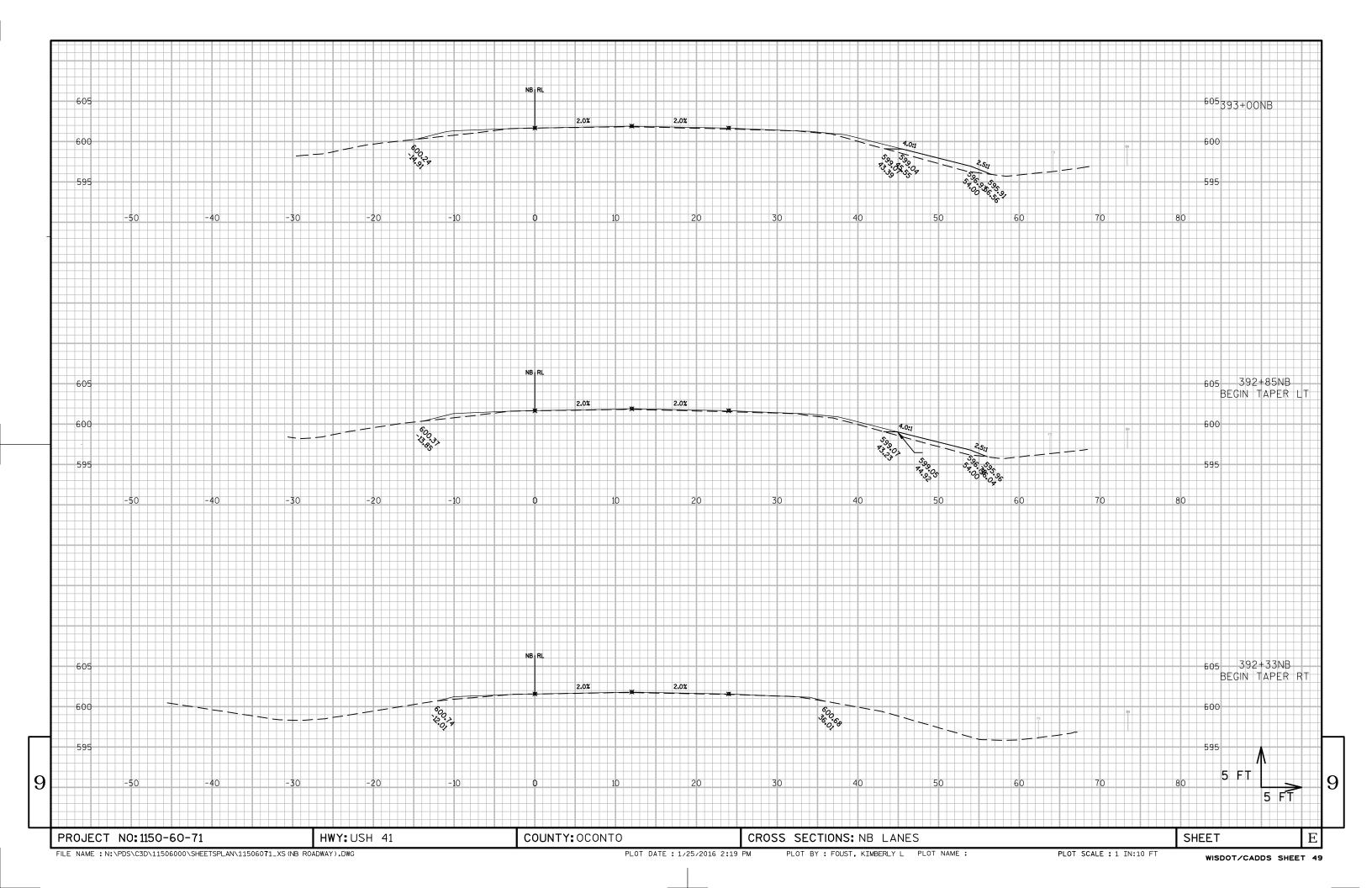
WISDOT/CADDS SHEET 42

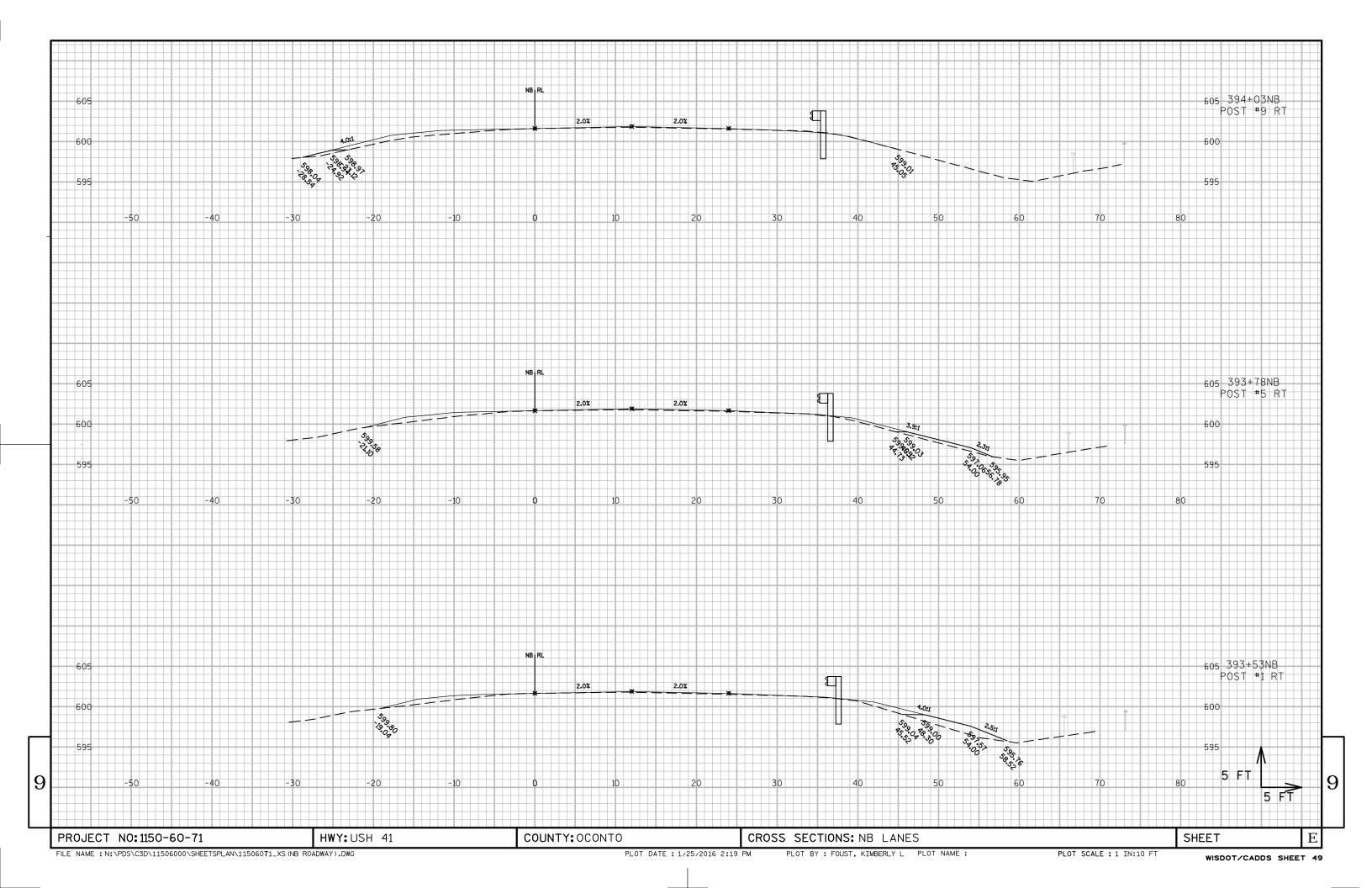


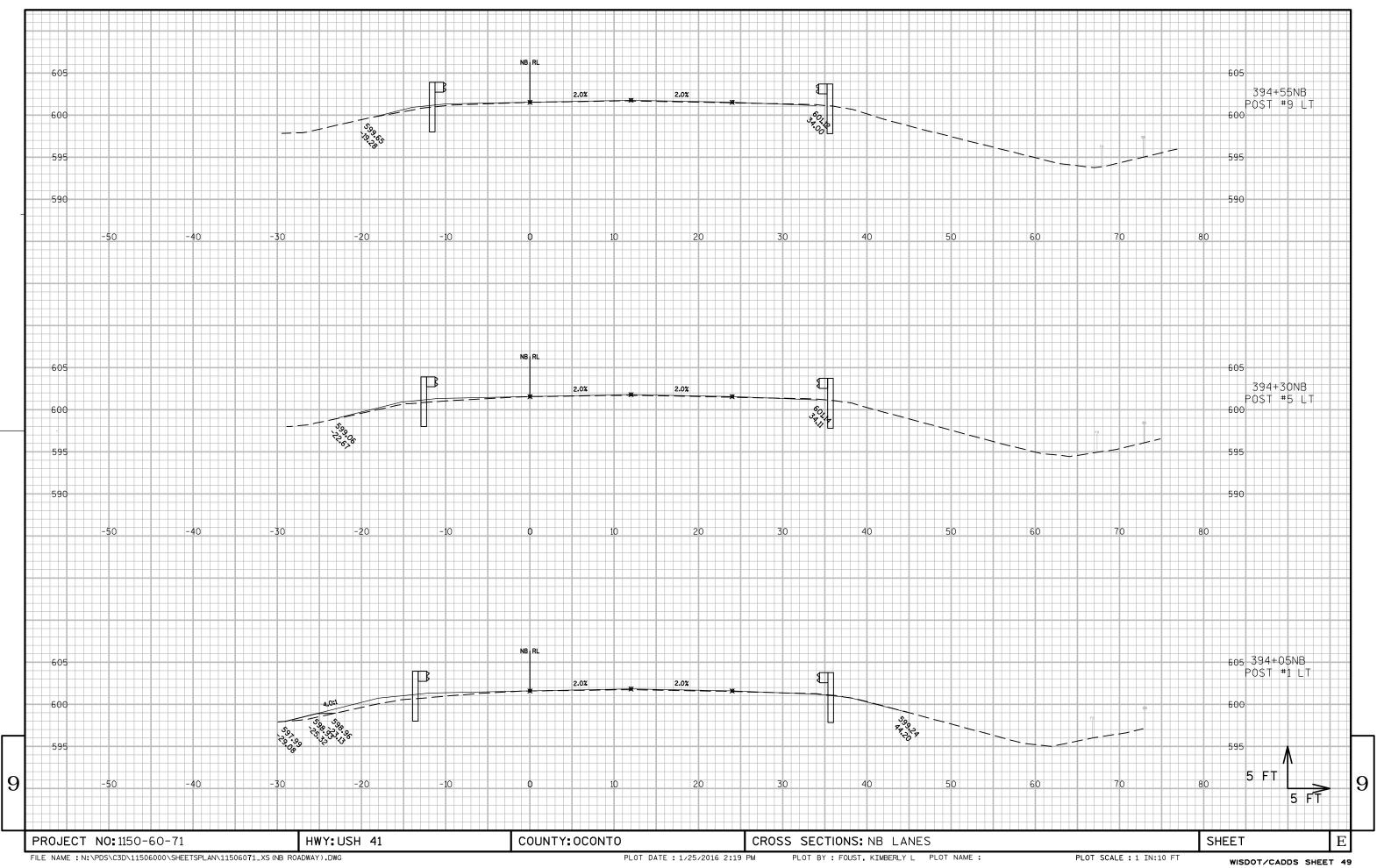


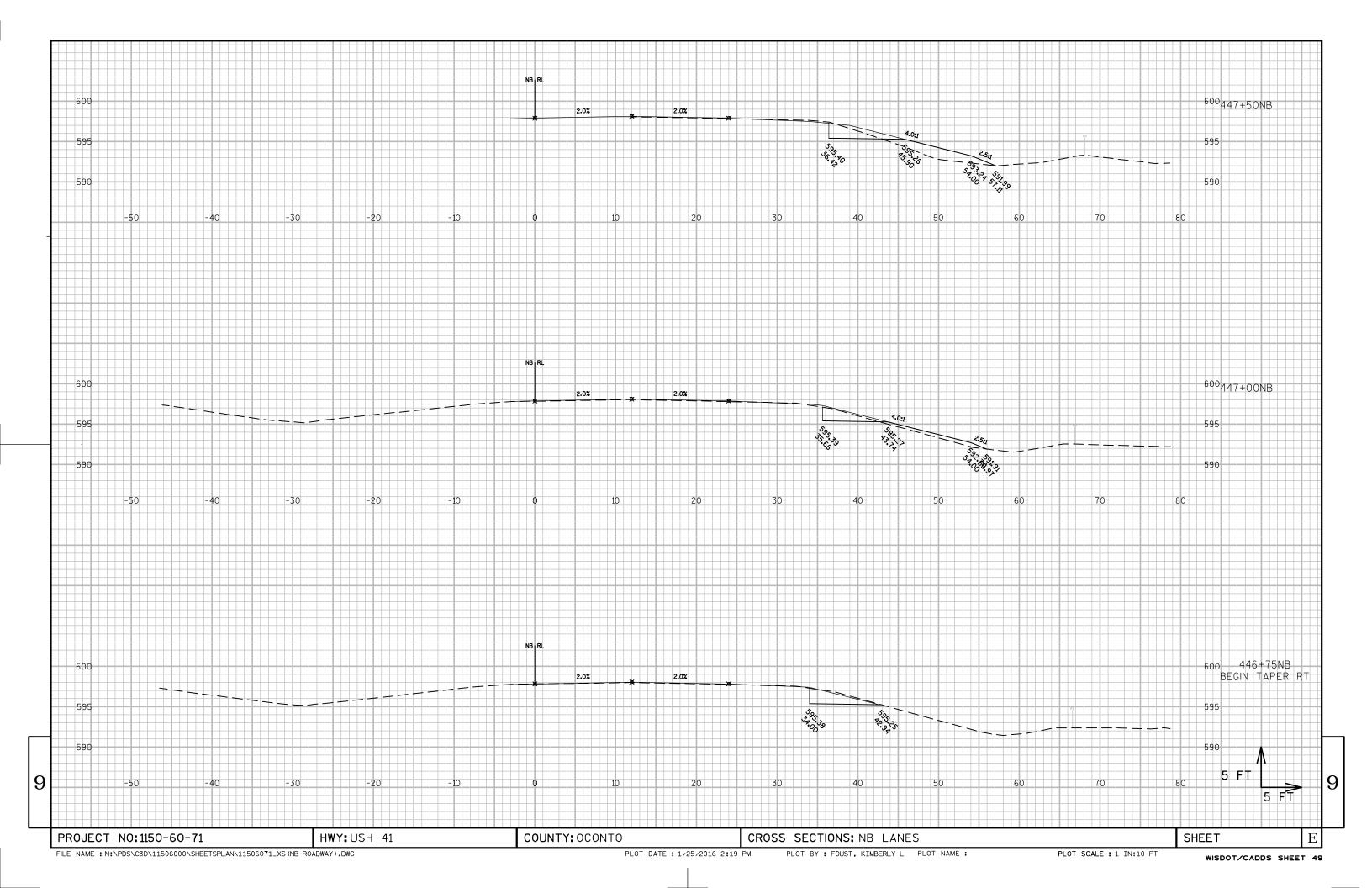


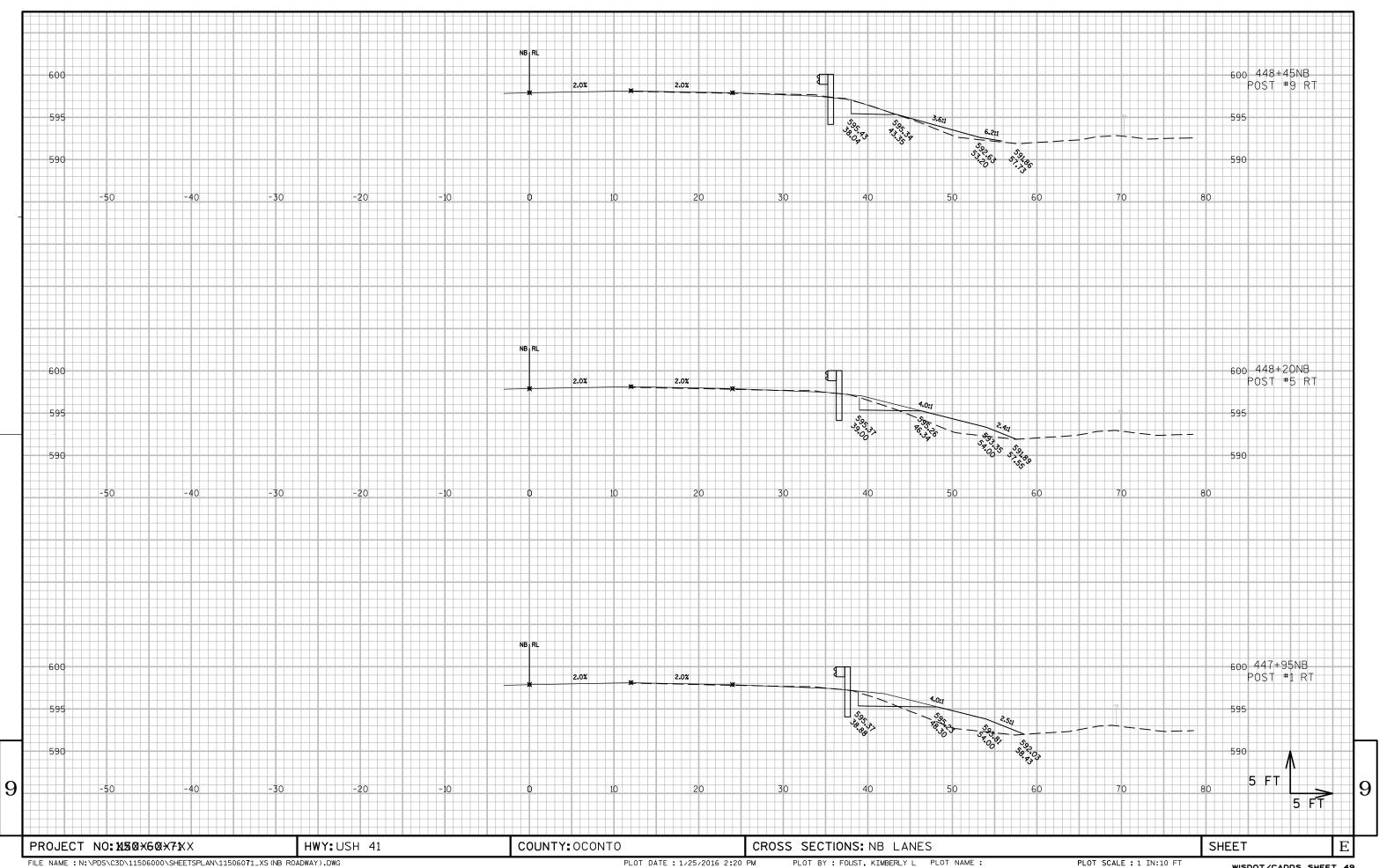














Wisconsin Department of Transportation

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