PROJECT WITH:

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ORDER	OF	SHEETS

JULY 2016

Section No. 1

Section No. 2 Typical Sections and Details Estimate of Quantities Section No. 3 Section No. 3 Miscellaneous Quantities Section No. 4 Right of Way Plat

Plan and Profile Section No. 6 Standard Detail Drawings Section No. 7 Sign Plates

Section No. 8 Structure Plans Section No. 9 Computer Earthwork Data

Section No. 9 Cross Sections

TOTAL SHEETS = 106

DESIGN DESIGNATION

A.A.D.T. (2016) = 5,300-8,100A.A.D.T. (2036) = 6,600-9,500(2036) = D.H.V. = 60-40 = 16.8

DESIGN SPEED = 55mph-45mph = NA

CONVENTIONAL SYMBOLS

	PROFILE	
<u> </u>	GRADE LINE	
	ORIGINAL GROUND MARSH OR ROCK PROFILE	ROCK
	(To be noted as such)	
	SPECIAL DITCH	LABEL
	GRADE ELEVATION	95.36
	CULVERT (Profile View)	0 □
300'EB'	UTILITIES	
	ELECTRIC	— Е —
	FIBER OPTIC	——F0——
-	GAS	—— G ——
M	SANITARY SEWER	SAN
-CĂŬŤĮÕN>-	STORM SEWER	——ss——
7/1	TELEPHONE	— т —
(I I I I	WATER	w
<u> </u>	UTILITY PEDESTAL	Ħ
	POWER POLE	Ь
	300/EB'	GRADE LINE ORIGINAL GROUND MARSH OR ROCK PROFILE (To be noted as such) SPECIAL DITCH GRADE ELEVATION CULVERT (Profile View) UTILITIES ELECTRIC FIBER OPTIC GAS SANITARY SEWER STORM SEWER TELEPHONE WATER UTILITY PEDESTAL POWER POLE

TELEPHONE POLE

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

JANESVILLE - DARIEN

PRAIRIE DR TO ILLINOIS STATE LINE

USH 14

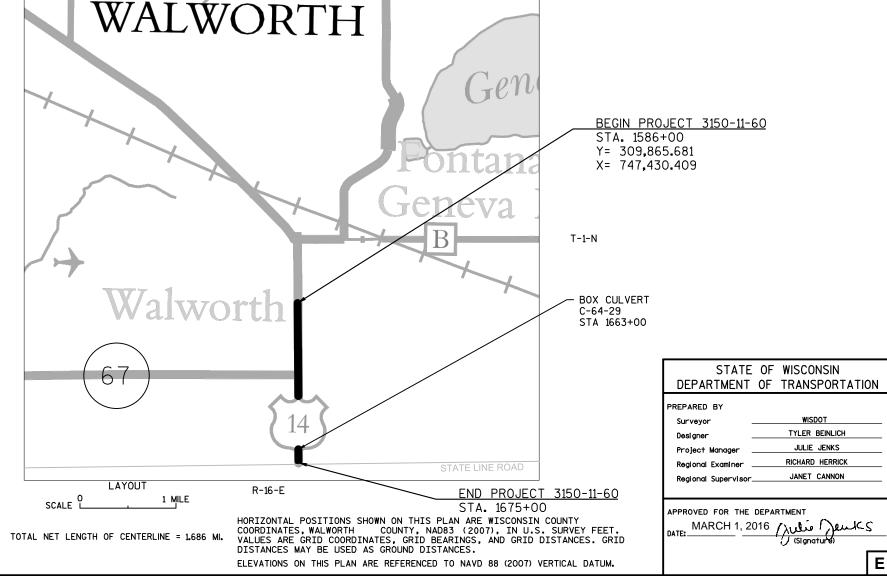
WALWORTH COUNTY

STATE PROJECT NUMBER 3150-11-60

T-1-N

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R-16-E



FEDERAL PROJECT

CONTRACT

PROJECT

STATE PROJECT

3150-11-60

WOODED OR SHRUB AREA

GENERAL NOTES

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

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

THE LOCATIONS OF JOINTS IN THE HMA PAVEMENT SHALL BE APPROVED BY THE ENGINEER.

THE CONTRACTOR WILL MAINTAIN ACCESS TO ALL DRIVEWAYS AND BUSINESSES AT ALL TIMES.

AT NO TIME SHALL BOTH TRAFFIC LANES BE OPEN WITHOUT CENTERLINE PAVEMENT MARKING.

A SAWED JOINT WILL BE REQUIRED WHERE NEW PAVEMENT IS TO MEET AN EXISTING PAVED SURFACE.

TRAFFIC CONTROL LOCATIONS AS SHOWN IN THE PLAN ARE SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

ALL SIGN LOCATIONS SHALL BE REVIEWED BY THE ENGINEER PRIOR TO INSTALLATION.

NO TREES OR SHRUBS SHALL BE REMOVED UNLESS DESIGNATED FOR REMOVAL BY THE ENGINEER.

RETOPSOIL OF GRADED AREAS, AS DESIGNATED BY THE ENGINEER, IMMEDIATELY AFTER GRADING IS COMPLETED WITHIN THOSE AREAS. SEED, FERTILIZE, AND MULCH/EROSION MAT TOP-SOILED AREAS, AS DESIGNATED BY THE ENGINEER, WITHIN FIVE (5) CALENDAR DAYS AFTER PLACEMENT OF TOPSOIL. IF GRADED AREAS ARE LEFT EXPOSED FOR MORE THAN FOURTEEN (14) CALENDAR DAYS, SEED THOSE AREAS WITH TEMPORARY SEED.

STOCKPILE EXCESS MATERIAL OR SPOILS ON UPLAND AREAS AWAY FROM WETLAND, FLOODPLAINS AND WATERWAYS. STOCKPILED SOIL SHALL BE PROTECTED AGAINST EROSION. IF STOCKPILED MATERIAL IS LEFT FOR MORE THAN FOURTEEN (14) CALENDAR DAYS, SEED THE STOCKPILE WITH TEMPORARY SEED.

EROSION CONTROL BMP'S ARE AT SUGGESTED LOCATIONS. THE ACTUAL LOCATIONS WILL BE DETERMINED BY THE CONTRACTORS ECIP AND BY THE ENGINEER. EROSION CONTROL BMP'S SHALL BE MAINTANINED UNTIL PERMANENT VEGETATION IS ESTABLISHED OR UNTIL THE ENGINEER DETERMINES THAT THE BMP IS NO LONGER REQUIRED.

COORDINATE WITH SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION (SEWRPC) FOR THE PERPETUATION OF SECTION CORNER (PUBLIC LAND SURVEY SYSTEM - PLSS) MONUMENTS. THE CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH SEWRPC AND THE WISDOT PROJECT MANAGER THROUGHOUT THE PERPETUATION PROCESS. THE CONTRACTOR WILL CONTACT SEWRPC AT (262) 953-4295 AT LEAST TWO WEEKS BEFORE STARTING CONSTRUCTION OPERATIONS OR THE PRECONSTRUCTION MEETING TO ALLOW FOR SECTION CORNER MONUMENT PERPETUATION COORDINATION.

CONTRACTOR SHALL PLACE RING(S) AT SECTION CORNER DURING HMA PAVING OPERATIONS TO PERPETUATE MONUMENT. RING WILL BE REUSED FROM EXISTING MONUMENT OR SUPPLIED BY SEWRPC. RING INSTALLATION SHALL BE INCIDENTAL TO HMA PAVING.

THE CONTRACTOR SHALL USE CARE TO NOT DAMAGE THE EXISTING SECTION CORNER MONUMENT DURING ANY OPERATIONS AND WILL BE RESPONSIBLE TO COORDINATE WITH AND REPLACE MONUMENT ACCORDING TO SEWRPC REQUIREMENTS AT OWN COST IF DAMAGE OCCURS. REPLACEMENT WORK WILL INCLUDE, BUT IS NOT LIMITED TO; COMPLETELY REMOVE EXISTING MONUMENT THAT WAS DAMAGED, BACKFILLING 3 TO 4 FOOT DEEP HOLE WHERE EXISTING MONUMENT WAS REMOVED AND COORDINATING THE METHODOLOGY AND PROVIDING THE MATERIALS TO COMPLETE THE CONSTRUCTION OF THE SURFACE SURROUNDING THE MONUMENT. SEWRPC WILL THEN REPLACE THE DAMAGED MONUMENTS UNDER A SEPARATE CONTRACT WITH WISDOT. A \$1,500 DEDUCTION PER DAMAGED SECTION CORNER WILL BE MADE FROM MONIES OWED TO THE CONTRACTOR TO COVER COSTS OF WISDOT'S CONTRACT WITH SEWRPC.

HMA PAVING

2" HMA PAVEMENT

2" - 4LT 58-28 S UPPER LAYER

6" HMA PAVEMENT

6" - 3LT 58-28 S UPPER LAYER (TO BE PAID AS BASE PATCHING ASPHALTIC)

ORDER OF SHEETS

GENERAL NOTES

PROJECT OVERVIEW

TYPICAL SECTIONS

CONSTRUCTION DETAILS

BEAM GUARD DETAIL/EROSION CONTROL PLAN

PLAN DETAILS

PERMANENT SIGNING

PAVEMENT MARKING

TRAFFIC CONTROL

ALIGNMENT LAYOUT

PROJECT NO: 3150-11-60 HWY: USH 14 COUNTY: WALWORTH GENERAL NOTES SHEET: E

ILE NAME : ______ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ PLOT NAME : _____ PLOT SCALE : 1:1

UTILITY CONTACTS

ALLIANT ENERGY CORPORATION JASON HOGAN 4902 N BILTMORE LN, STE 1000 MADISON, WI 53718 PHONE: (608) 458-4871 FAX: (563) 557-2288

JASONHOGAN@ALLIANTENERGY.COM

ANR PIPELINE COMPANY
DICK MELLOM
W3925 PIPELINE LN
EDIN, WI 53019
OFFICE: (608) 373-6923

CELL: (331) 256-0815

RICHARD MELLOM@TRANSCANADA.COM

CHARTER COMMUNICATONS
BRANDON OPHEIM
510 BELOIT ST
WALWORTH, WI 53184
PHONE: (608) 209-3195
BRANDON.OPHEIM@CHARTER.COM

ENBRIDGE (US) INC STEVE SPATA 803 HIGHLAND AVE FORT ATKINSON, WI 53538 PHONE: (920) 728-0199 STEVEN.SPATA@ENBRIDGE.COM FRONTIER - WISCONSIN
ED STIEBER
100 COMMUNICATIONS DR
SUN PRAIRIE, WI 53590
OFFICE: (608) 837-1410
CELL: (262) 325-7048

EDWARD.O.STIEBER@FTR.COM

WINDSTREAM KDL, INC AARON GRODI 13935 BISHOPS DR BROOKFIELD, WI 53005 OFFICE: (608) 819-5014 CELL: (919) 770-1778

SHARON TELEPHONE CO
ZACH LEHMAN
105 PLAIN ST
PO BOX 400
SHARON, WI 53585
PHONE: (262) 215-6270
FAX: (262) 736-9200
ZACH@SHARONTELEPHONE.COM

AARON.GRODI@WINDSTREAM.COM

WISDOT CONTACTS

PROJECT MANAGER
JULIE JENKS, P.E.
141 NW BARSTOW ST
PO BOX 798
WAUKESHA, WI 53187-0798
PHONE: (262) 548-6462
JULIE.JENKS@DOT.WI.GOV

DNR LIASON

CRAIG WEBSTER
141 NW BARSTOW
ROOM 180
WAUKESHA, WI 53187-0798
PHONE: (262) 574-2141
CRAIG.WEBSTER@WISCONSIN.GOV

WISDOT STOC JEFF MADSON 433 W ST. PAUL AVE, STE 300 MILWAUKEE, WI 53203-3007 PHONE: (414) 225-3723 JEFFREY.MADSON@DOT.WI.GOV

NOT A UTILITY - FOR INFORMATION ONLY

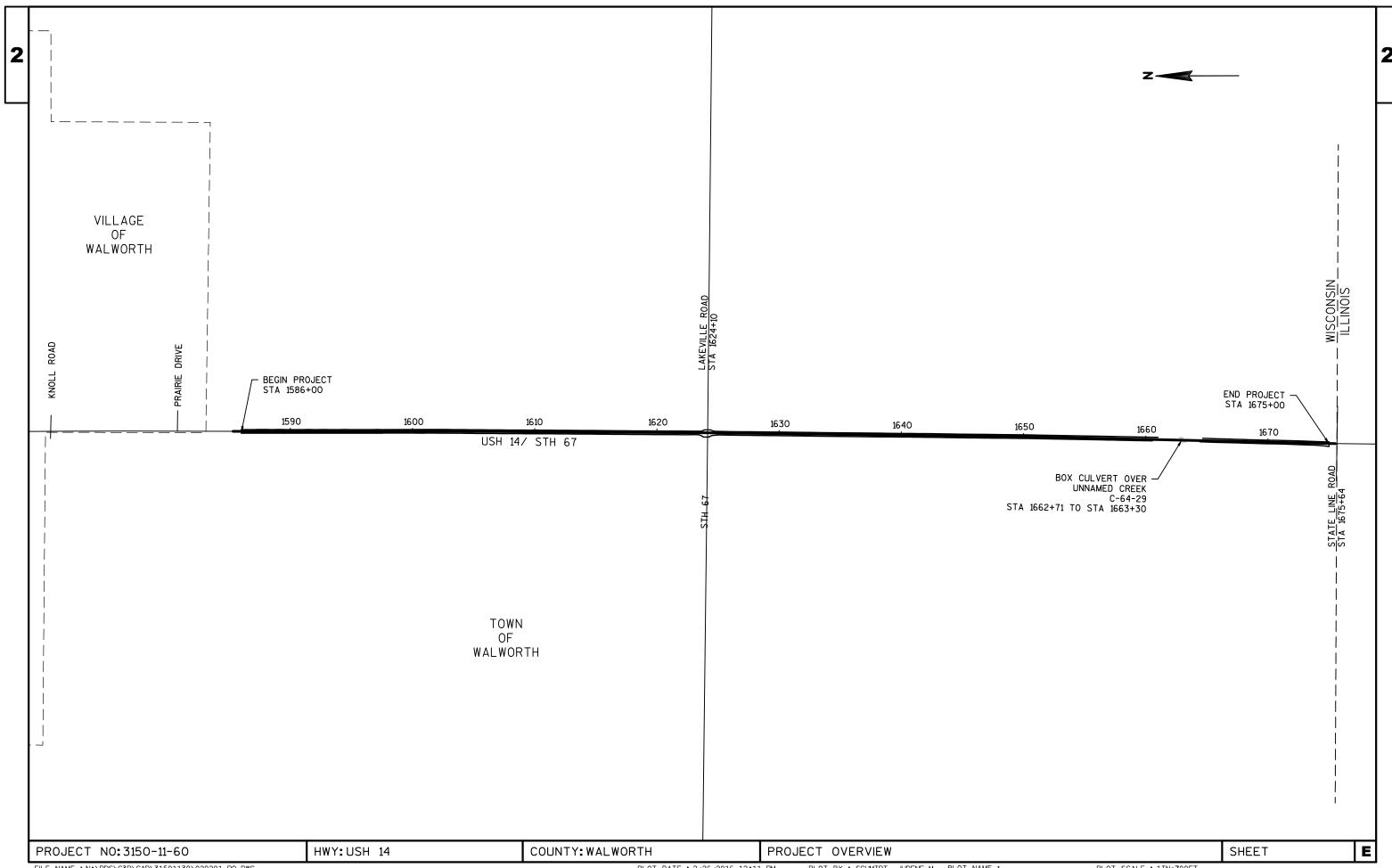
SOUTHEASTERN WI REGIONAL PLANNING COMMISSION JOHN WASHBURN W239 N1812 ROCKWOOD DR PO BOX 1607 WAUKESHA, WI 53187-1607 PHONE: (262) 953-4295 FAX: (262) 547-1103 JWASHBURN@SEWRPC.ORG

WALWORTH COUNTY PUBLIC WORKS DEPARTMENT JOSEPH KROLL W4097 COUNTY RD NN ELKHORN, WI 53121 PHONE: (262) 741-3441 JKROLL@CO.WALWORTH.WI.US



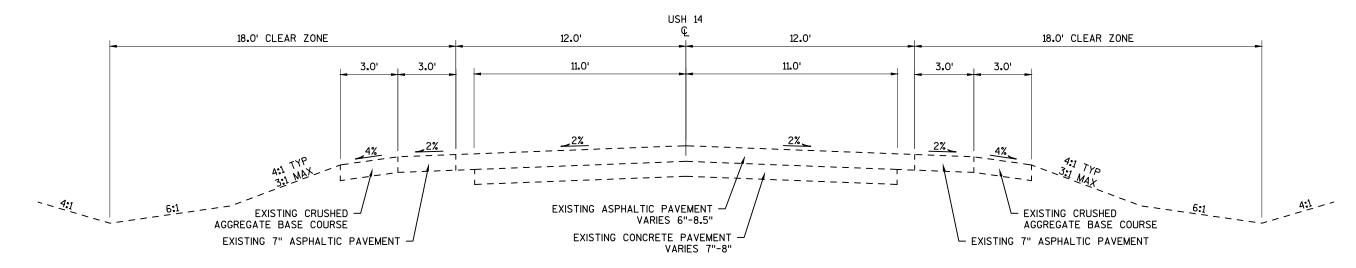
PROJECT NO: 3150-11-60 HWY: USH 14 COUNTY: WALWORTH UTILITY CONTACTS SHEET: E

FILE NAME : ______ PLOT BY : _____ PLOT BY : _____ PLOT NAME : _____ PLOT SCALE : 1:1

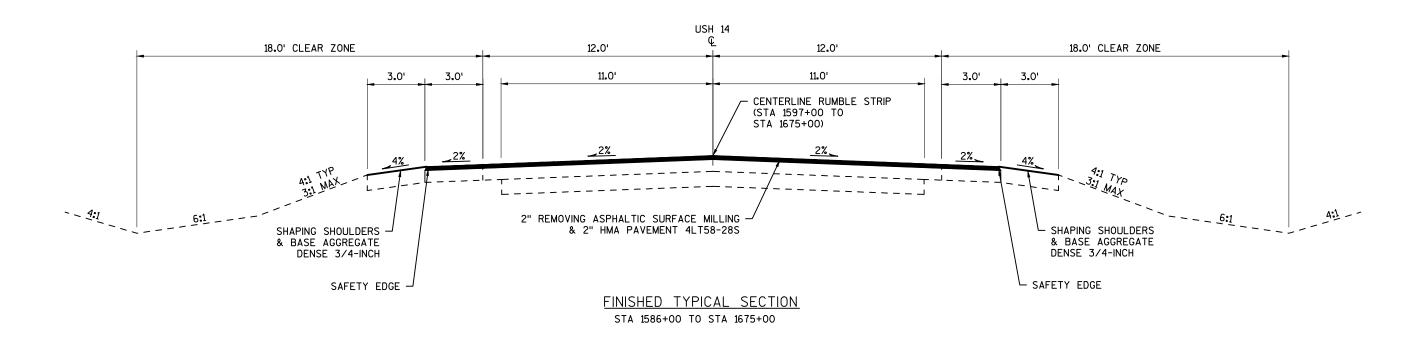








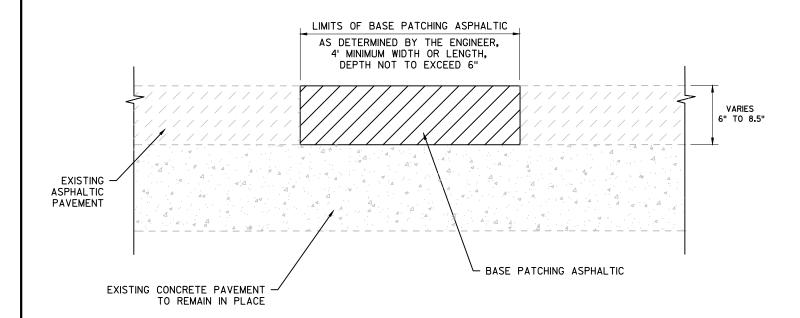
EXISTING TYPICAL SECTION STA 1586+00 TO STA 1675+00

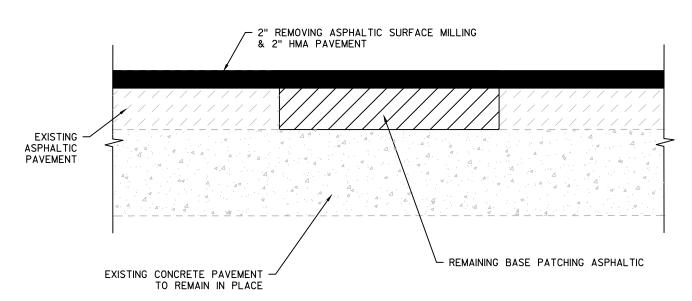


PROJECT NO: 3150-11-60 HWY: USH 14 COUNTY: WALWORTH SHEET E TYPICAL SECTIONS

2

WISDOT/CADDS SHEET 42





BASE PATCHING ASPHALTIC

NOTES:

BASE PATCH EXISTING ASPHALT PRIOR TO MILLING ASPHALTIC SURFACE, BASE PATCHING ASPHALTIC DEPTH NOT TO EXCEED 6"

EXISTING CONCRETE NOT TO BE REMOVED WITHIN BASE PATCH LIMITS

BASE PATCH LIMITS TO BE REMOVED AND PAVED IN SAME DAY

ALL CENTERLINE PAVEMENT MARKING REMOVED TO BE REPLACED SAME DAY WITH TEMPORARY EPOXY 4-INCH

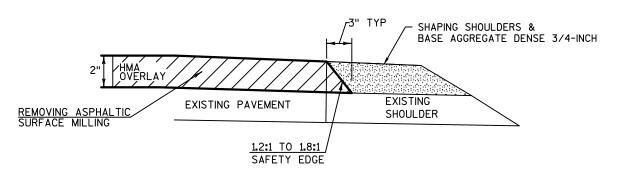
SEE PAVING TABLE FOR HMA PAVEMENT TYPE

6" TO BE PLACED IN 1 LIFT UP TO EXISTING SURFACE

SEE MISCELLANEOUS QUANTITY SHEETS FOR LOCATIONS

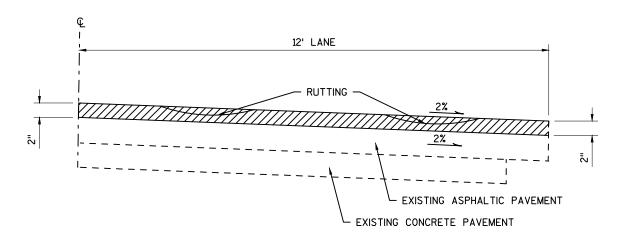
2" REMOVING ASPHALTIC SURFACE MILLING AFTER BASE PATCHING ASPHALTIC

PROJECT NO:3150-11-60 HWY:USH 14 COUNTY:WALWORTH CONSTRUCTION DETAIL SHEET



PAVEMENT SAFETY EDGE ON HMA OVERLAY

NOTES: PAVEMENT SAFETY EDGE WILL BE PAID AS HMA PAVEMENT. SEE SDD SAFETY EDGE



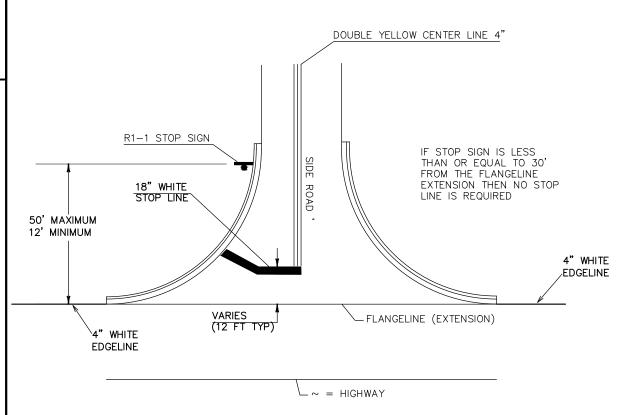
REMOVING ASPHALTIC SURFACE MILLING IN AREAS OF RUTTING

NOTES: IF RUTTING DEPTH EXCEEDS 2" CONTACT PROJECT ENGINEER

REMOVING ASPHALTIC SURFACE MILLING

PROJECT NO: 3150-11-60 HWY: USH 14 COUNTY: WALWORTH CONSTRUCTION DETAIL SHEET





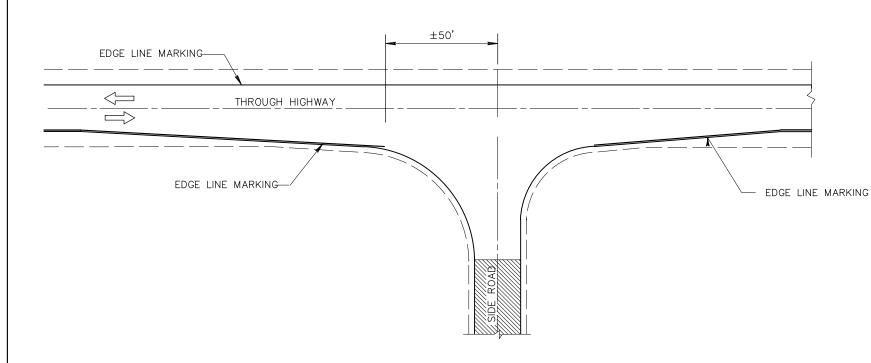
TYPICAL PAVEMENT MARKING FOR SIDEROADS

NOTES:

18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE PROJECT ENGINEER BASED ON VISIBILITY AND SIGHT LINES.

STOP LINES REQUIRED WHERE:

- CROSSWALK MARKINGS EXIST OR BEING PROVIDED
- LARGE RADII
- OFFSET LEFT TURNS WHERE STOP BAR FOR LEFT TURN IS SET BACK FROM THRU MOVEMENT.



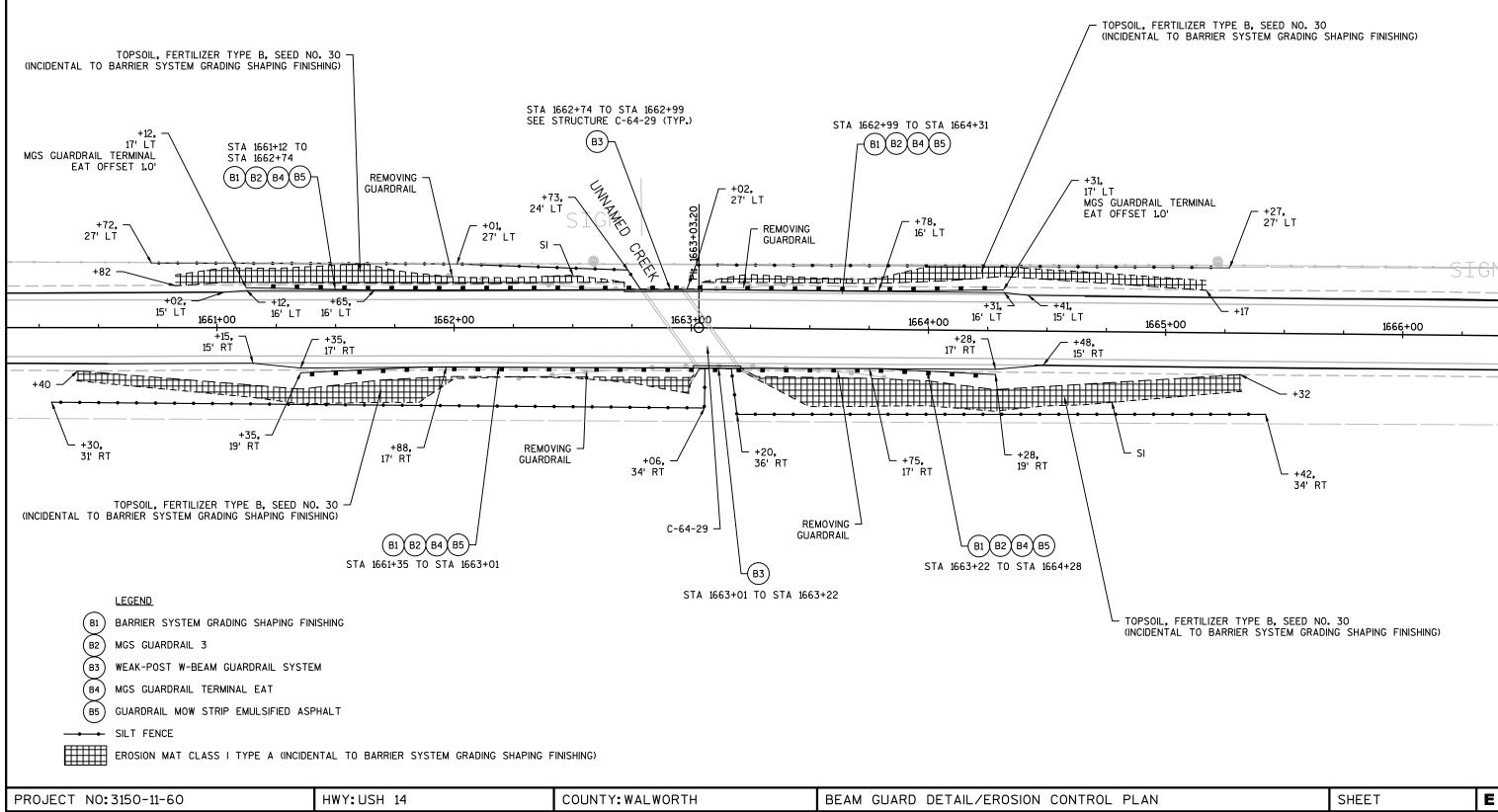
MINOR INTERSECTION WITHOUT CURBS

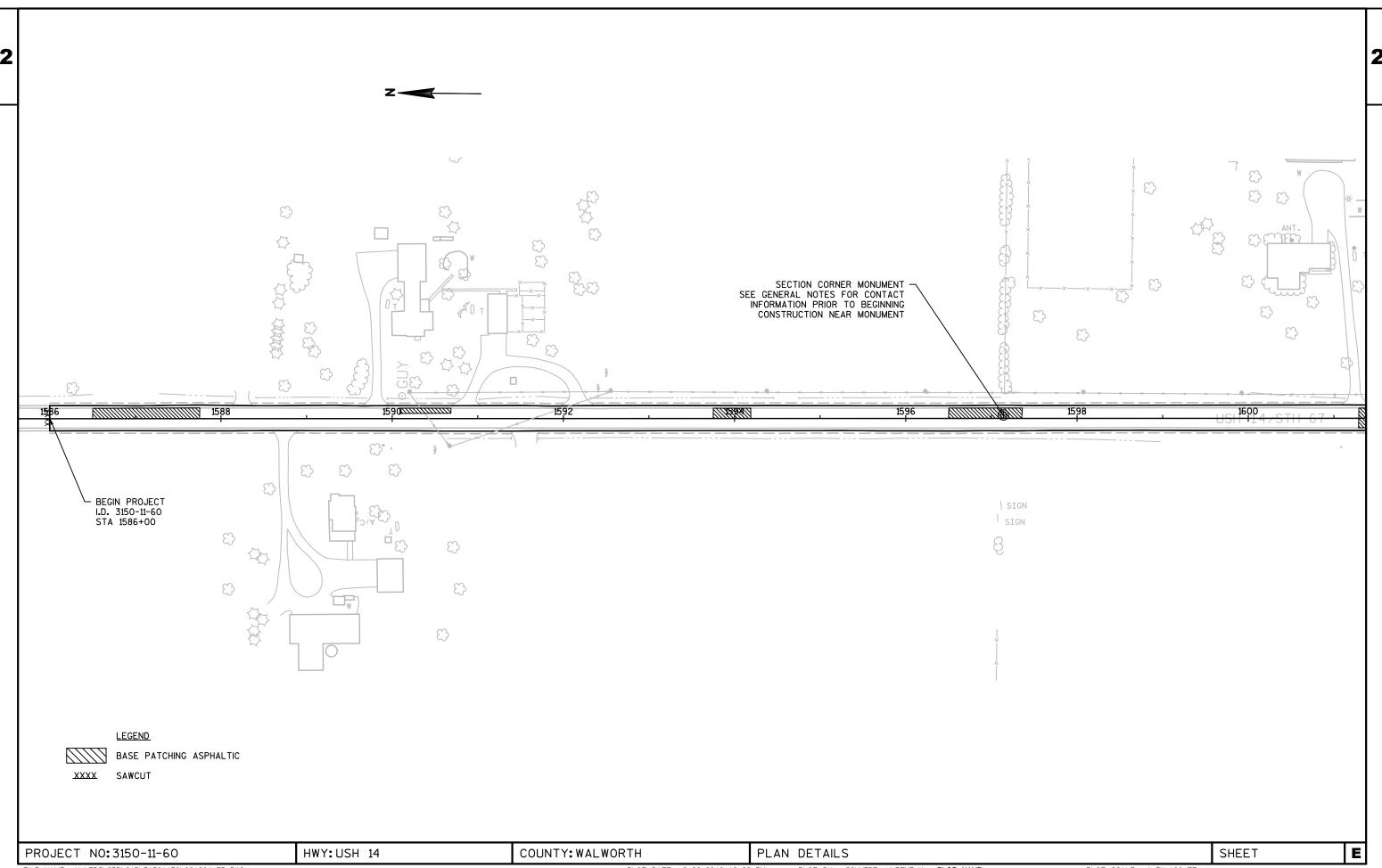
(TYPICAL MARKING)

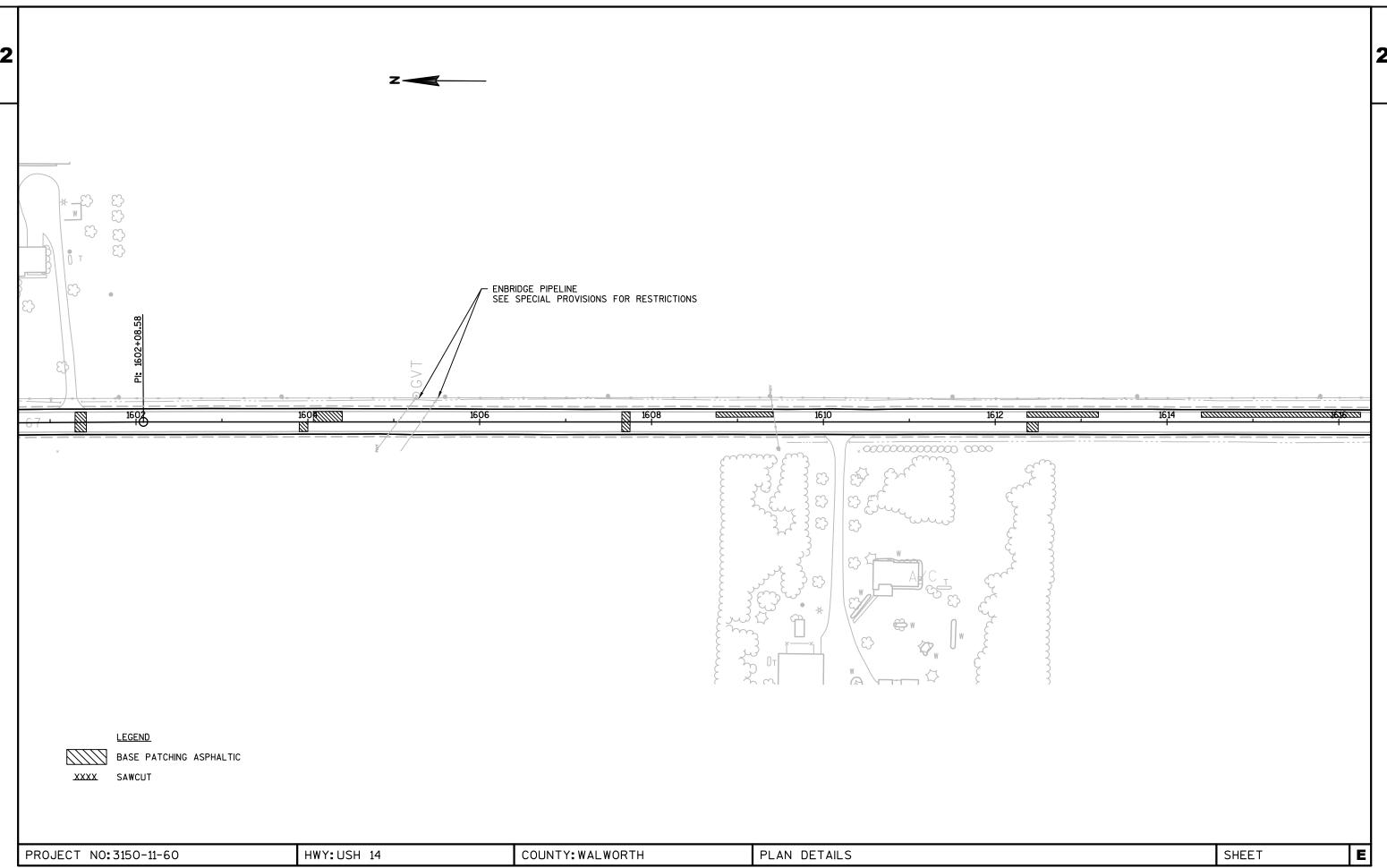
PROJECT NO:3150-11-60 HWY:USH 14 COUNTY:WALWORTH CONSTRUCTION DETAIL SHEET **E**

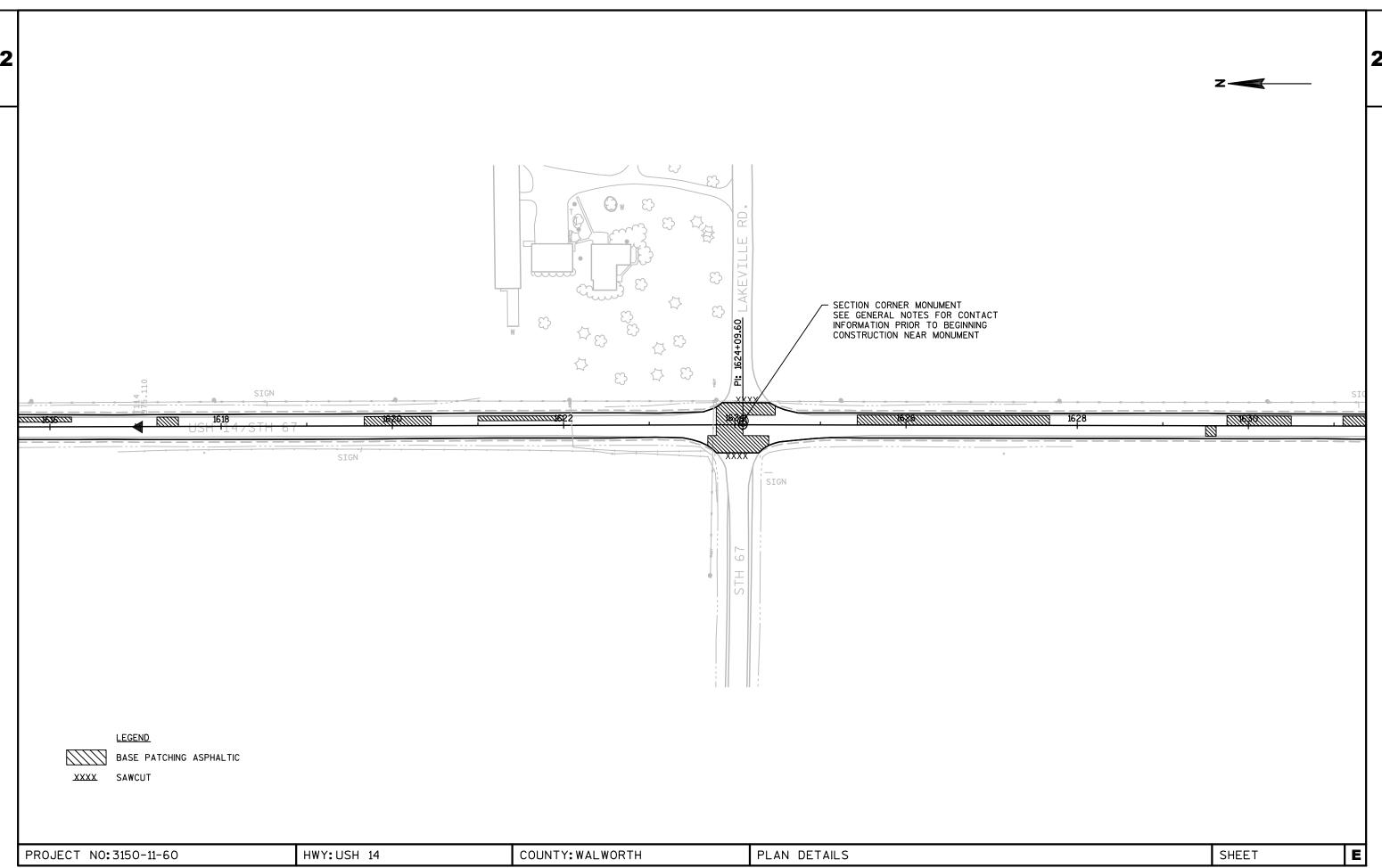
FILE NAME: N:\PDS\C3D\CAD\31501130\021002_CD.DWG
LAYOUT NAME - ****

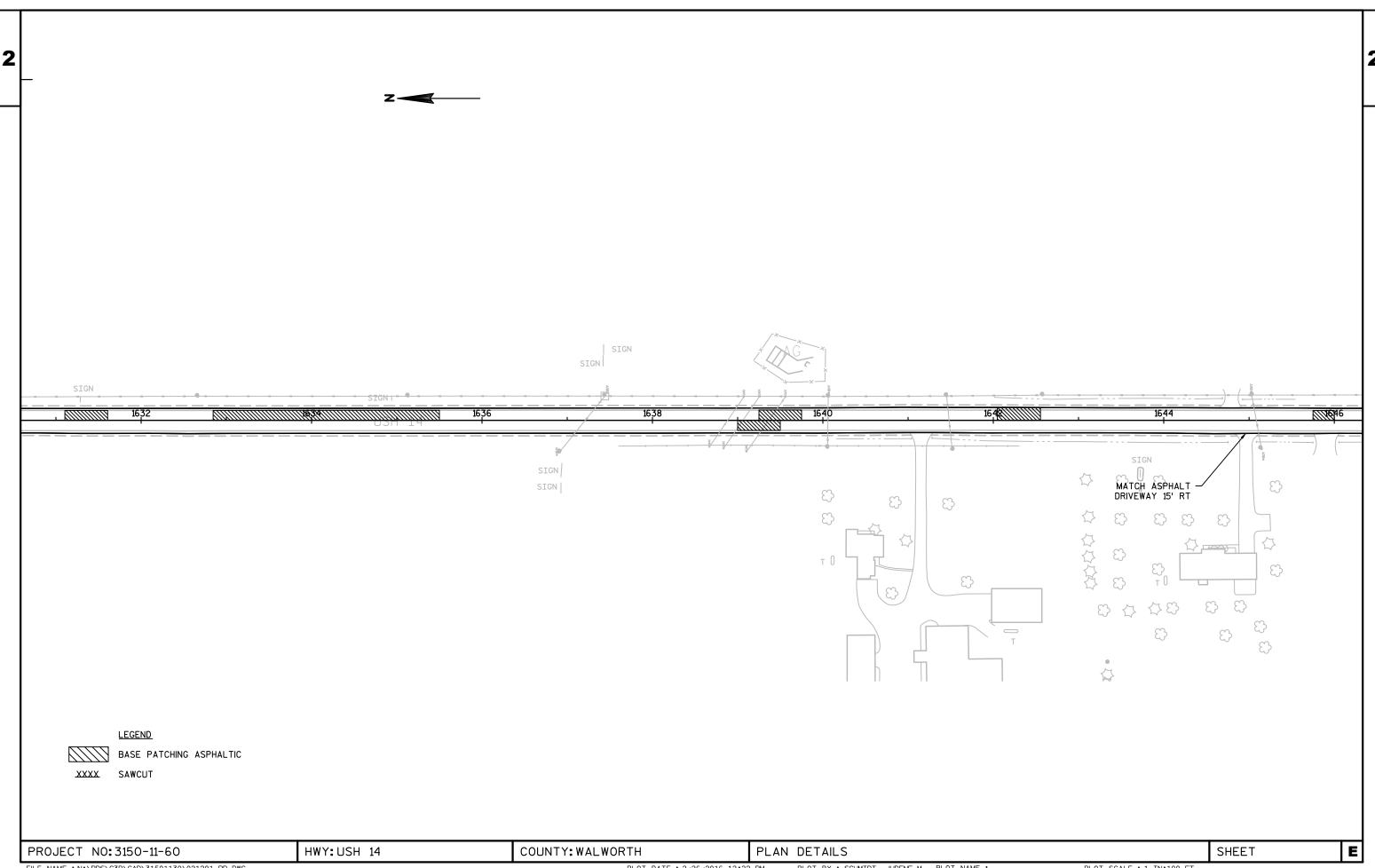
PLOT DATE: 5/5/2016 9:23 AM PLOT BY: SCHMIDT, JUDENE M PLOT NAME: PLOT SCALE: 1 IN:200 FT
WISDOT/CADDS SHEET 42

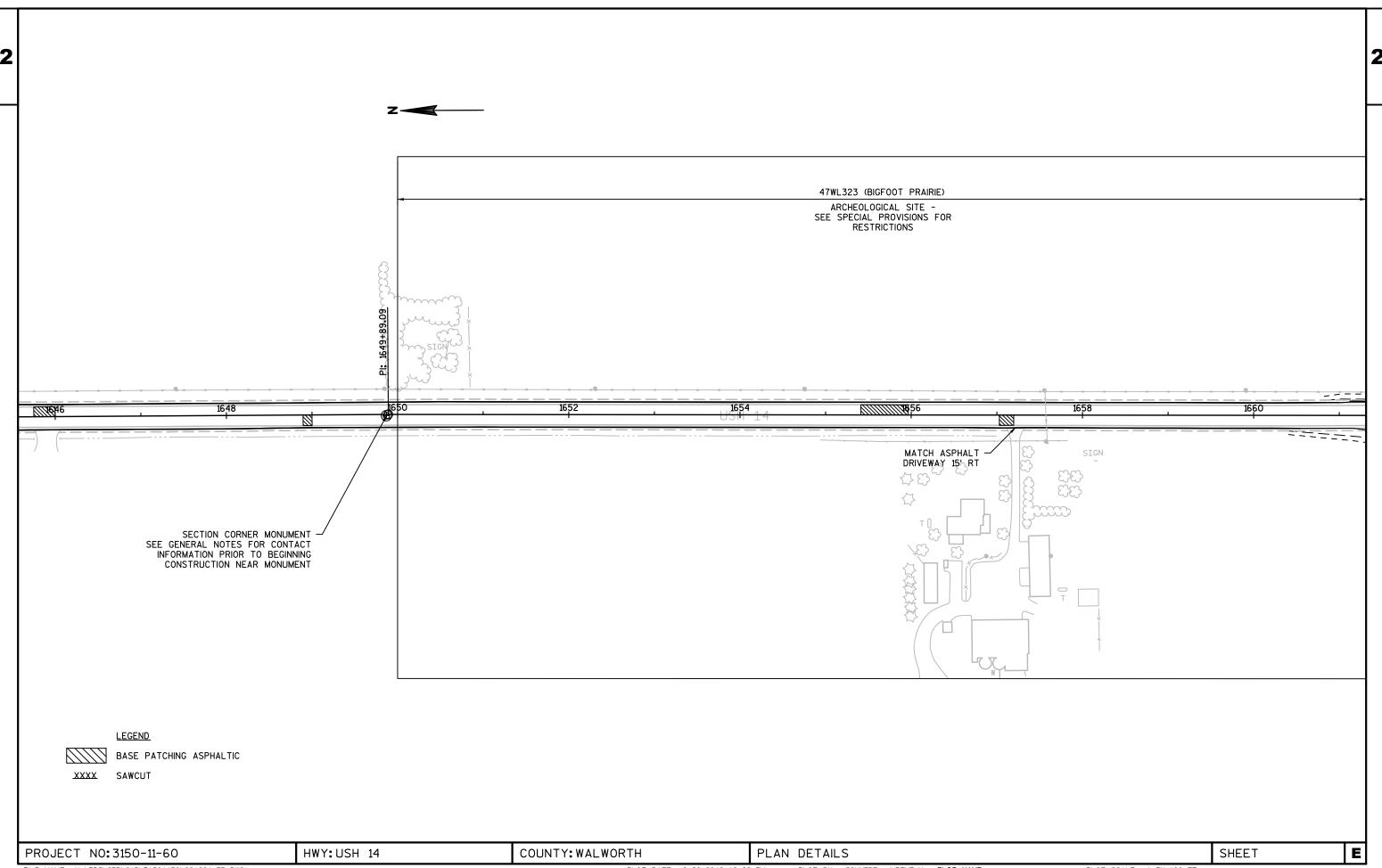


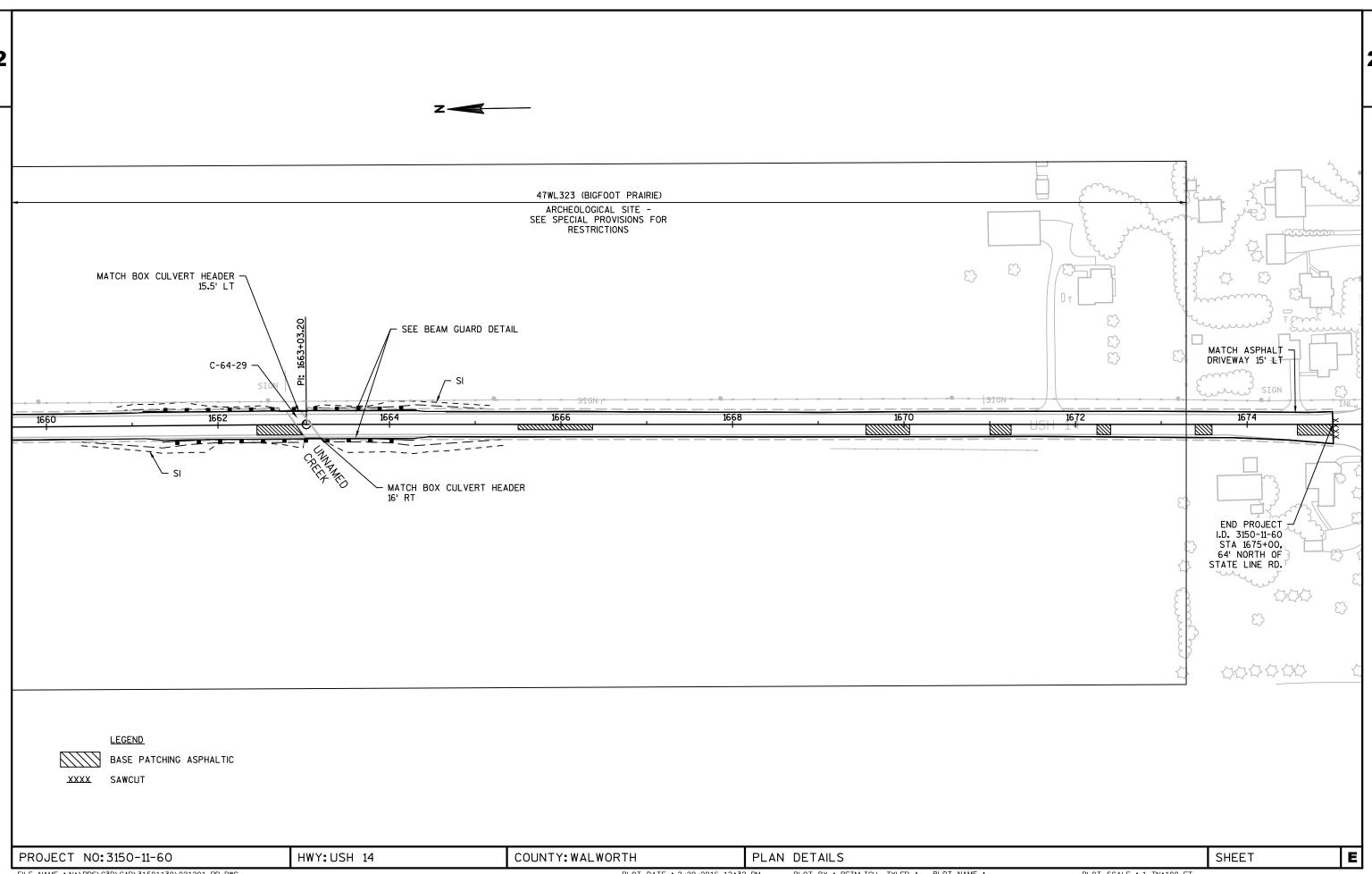


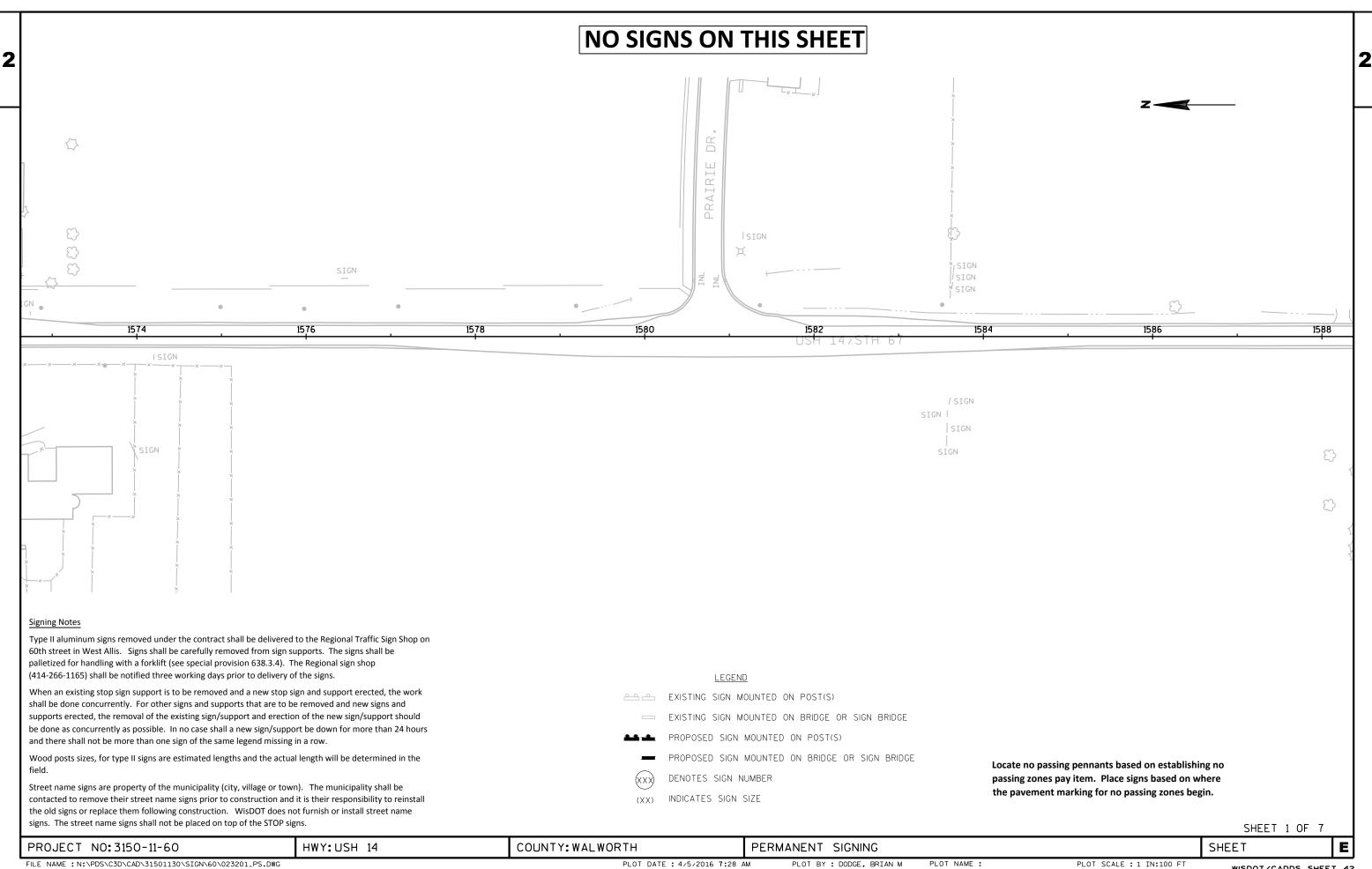




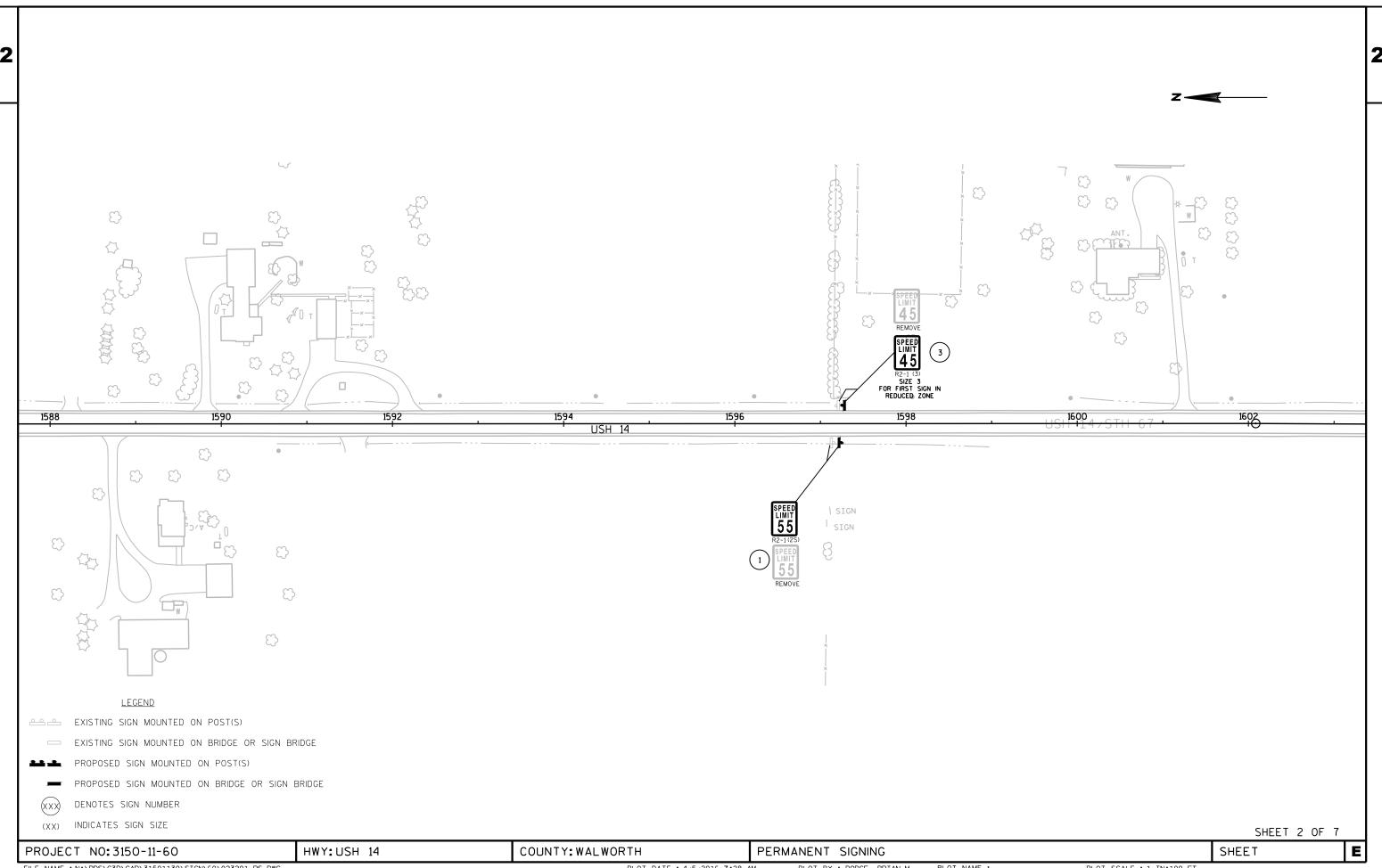


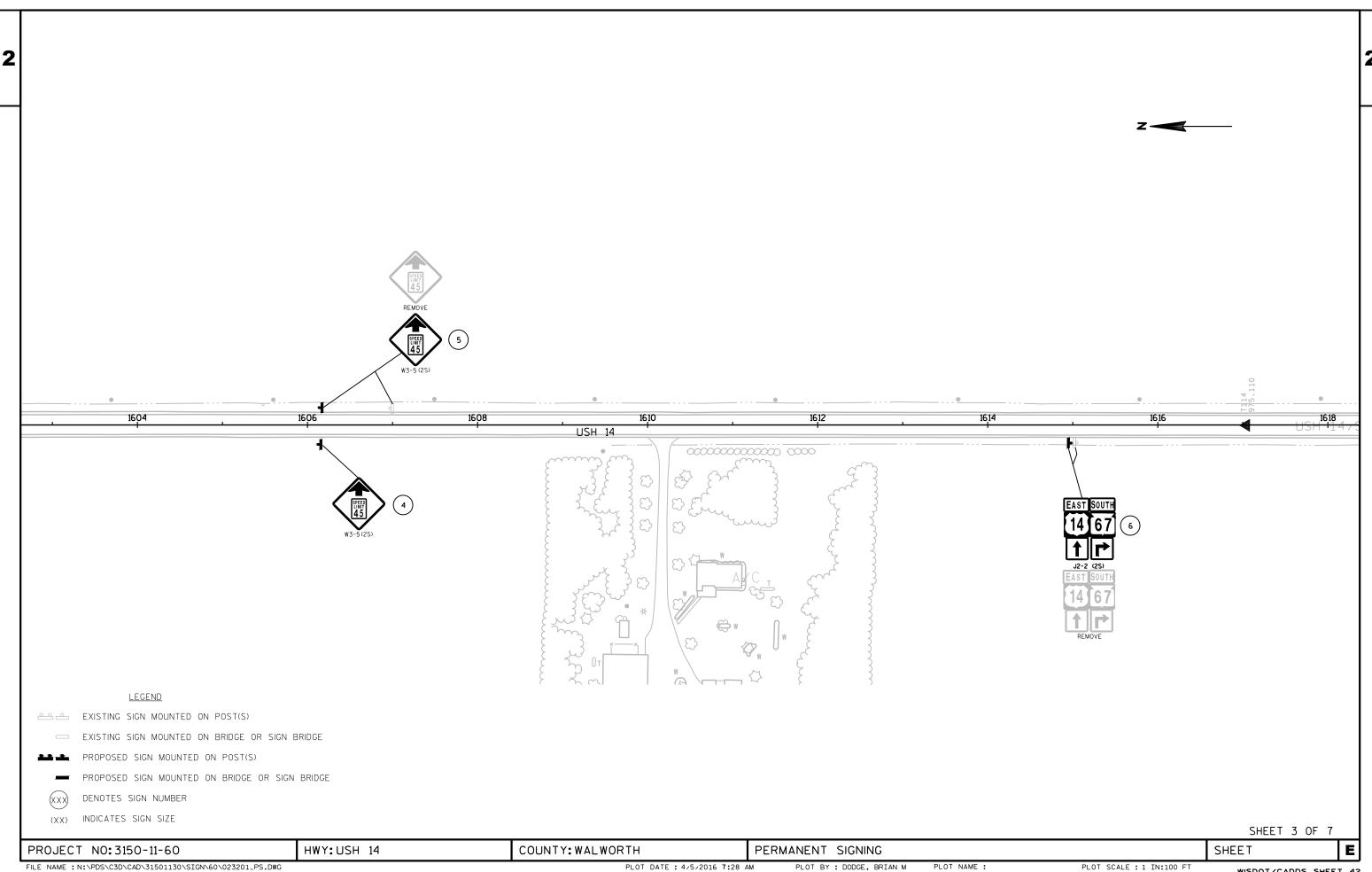


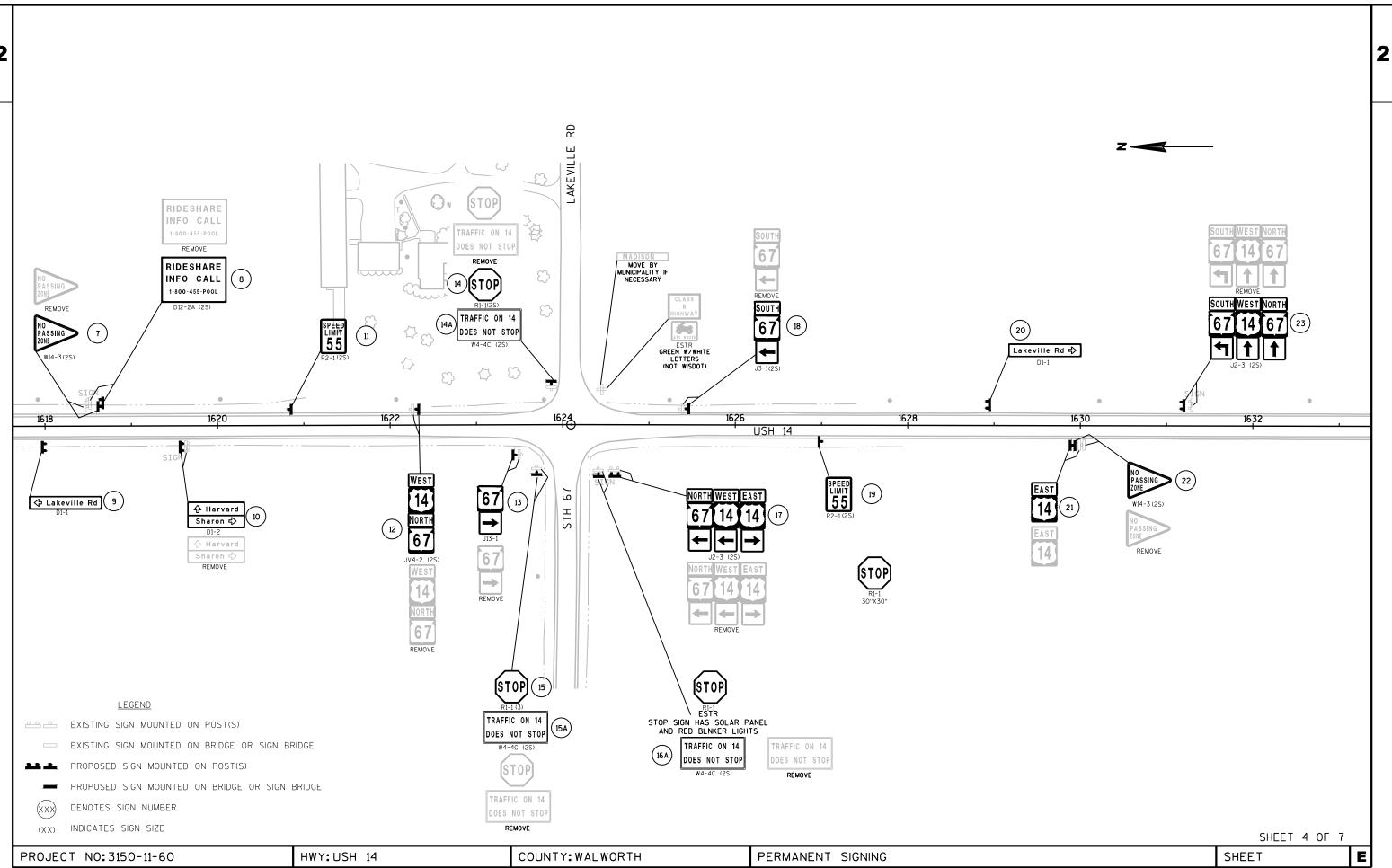


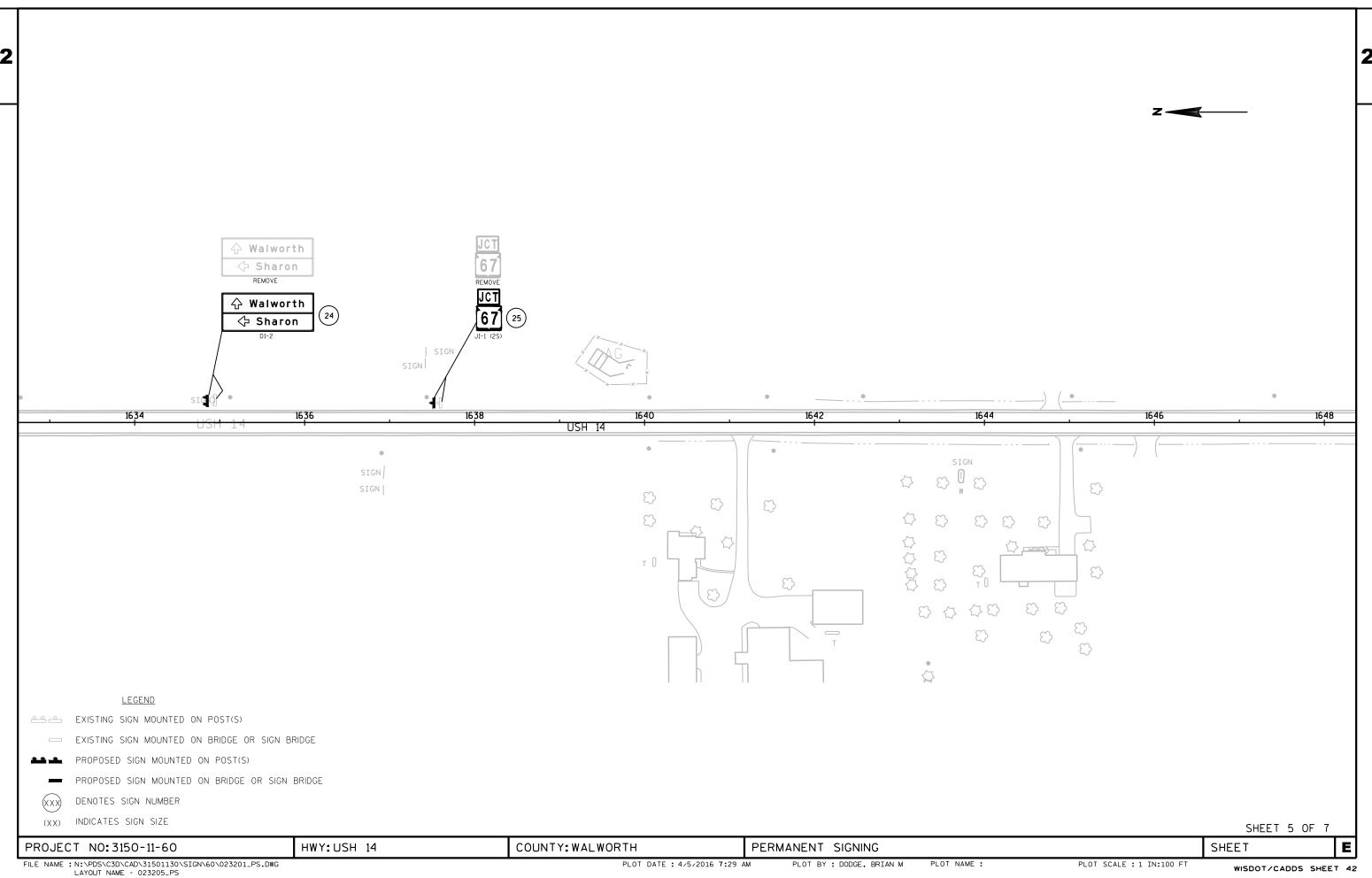


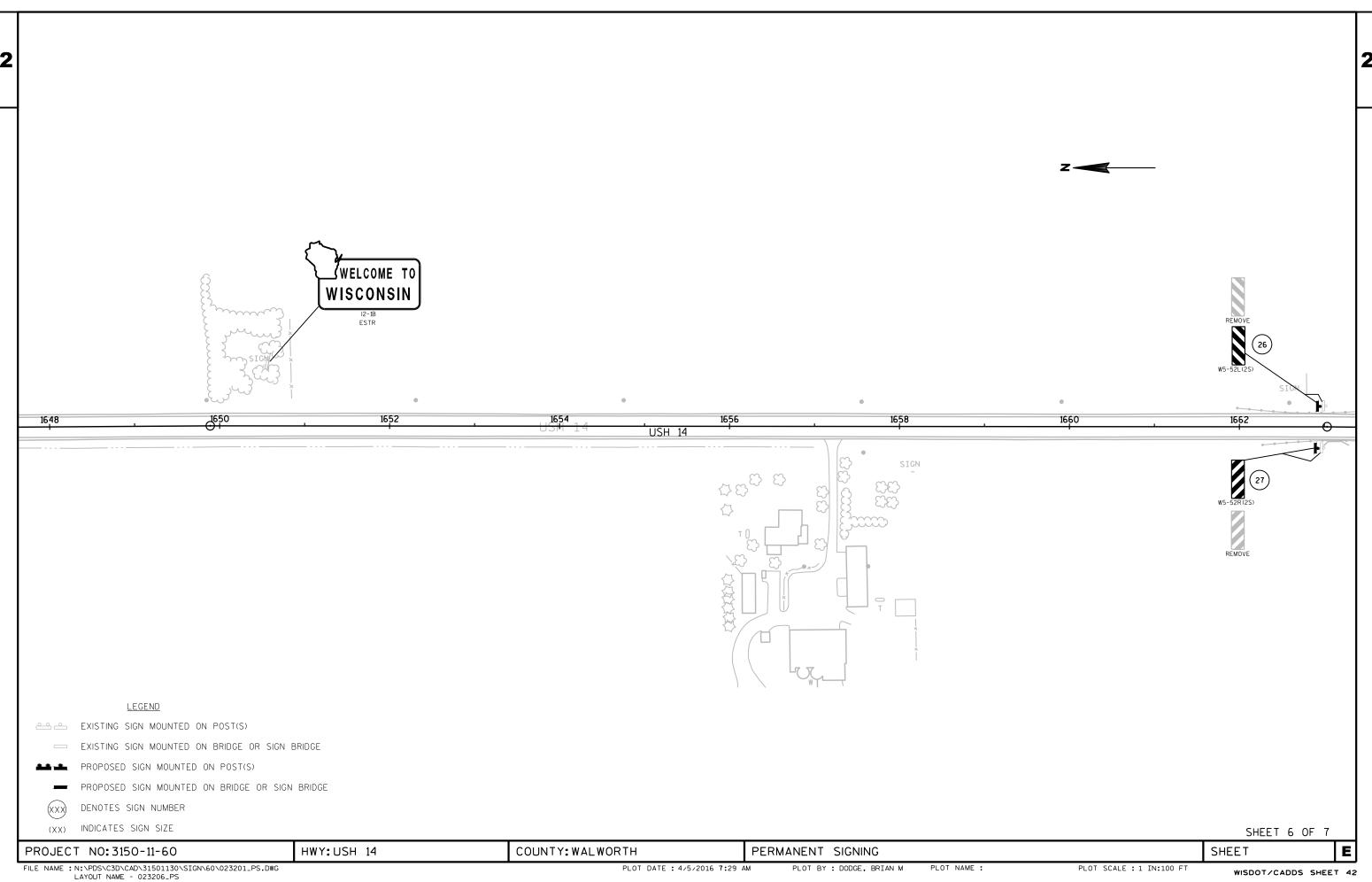
PLOT DATE : 4/5/2016 7:28 AM PLOT SCALE : 1 IN:100 FT



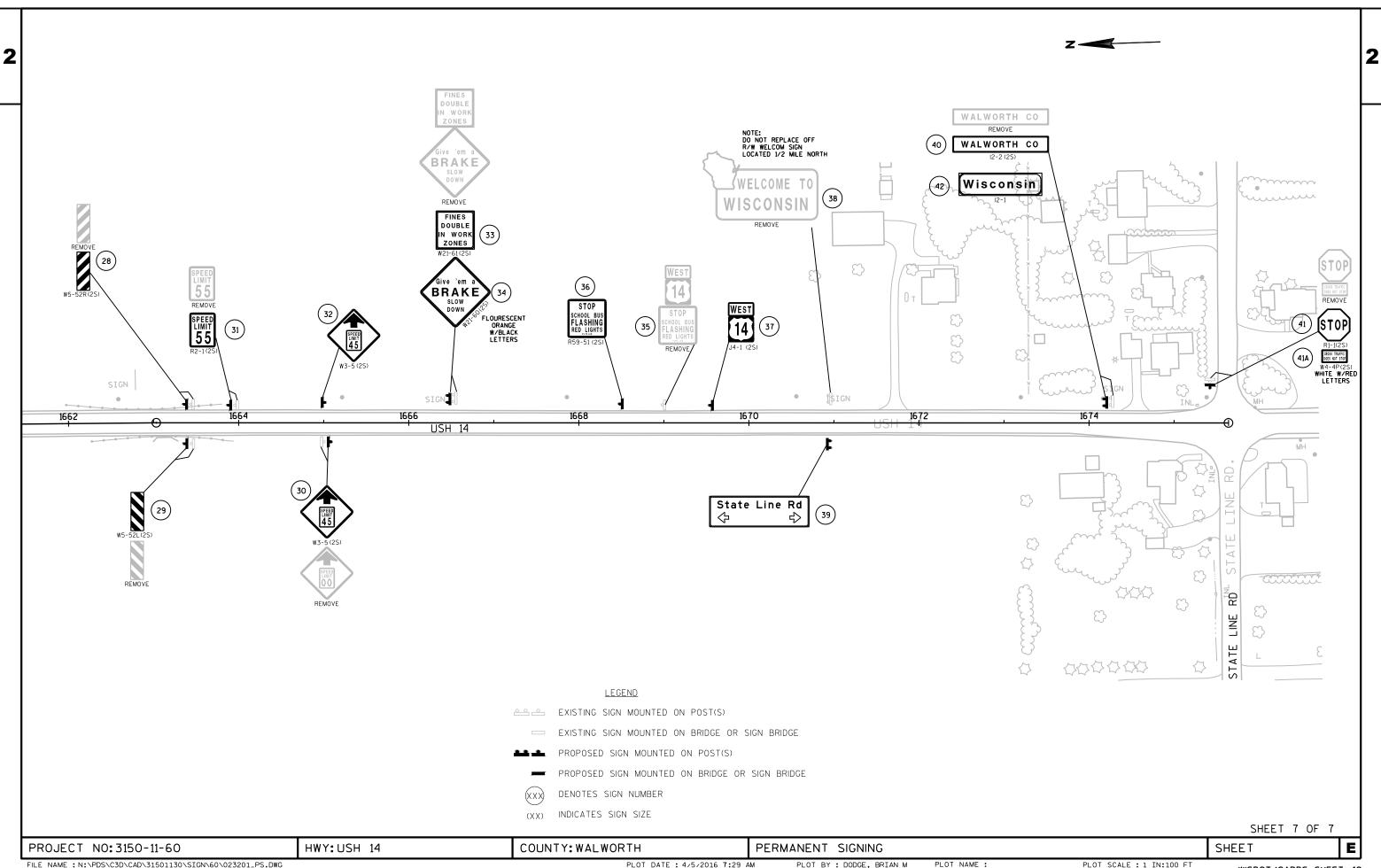


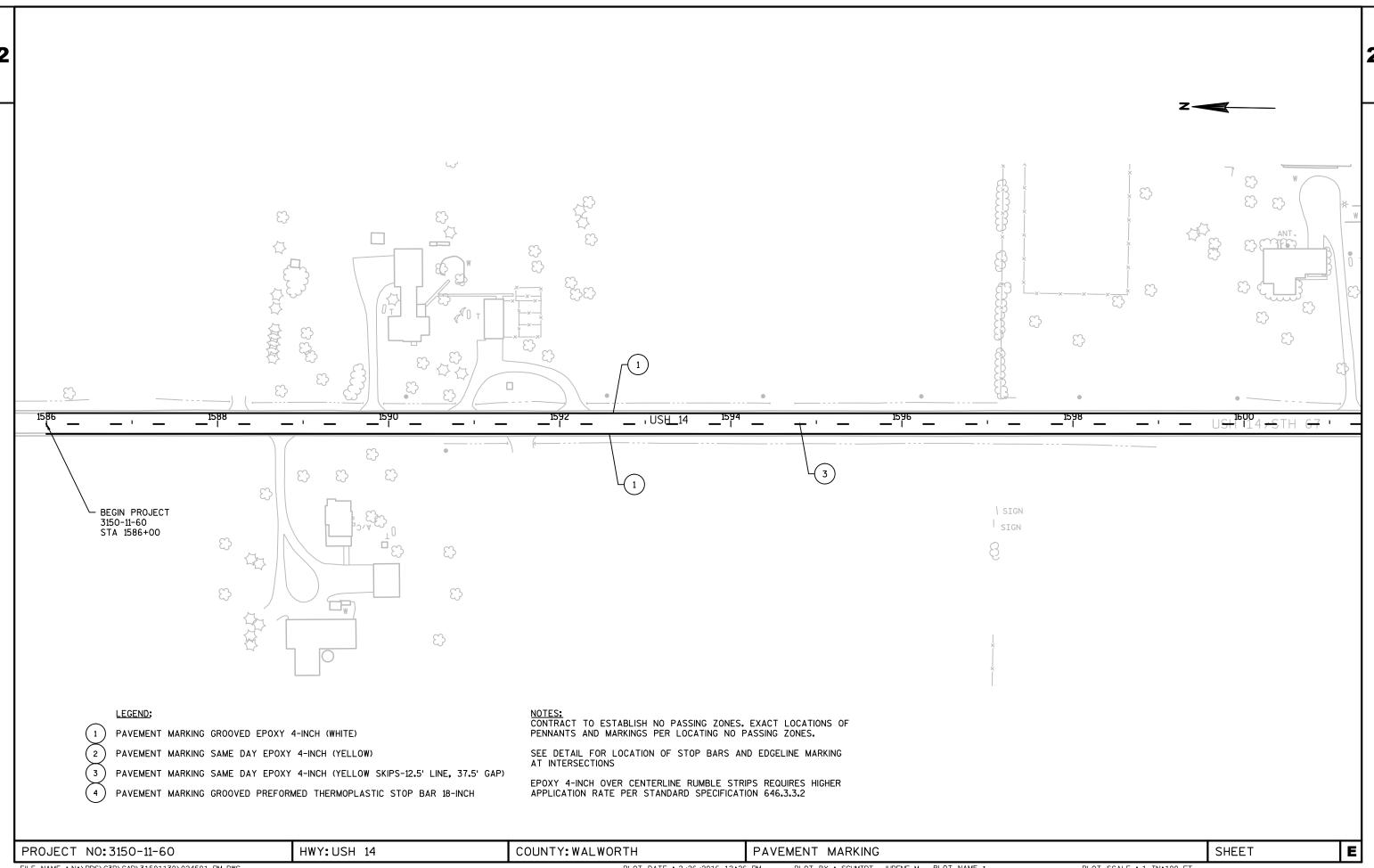


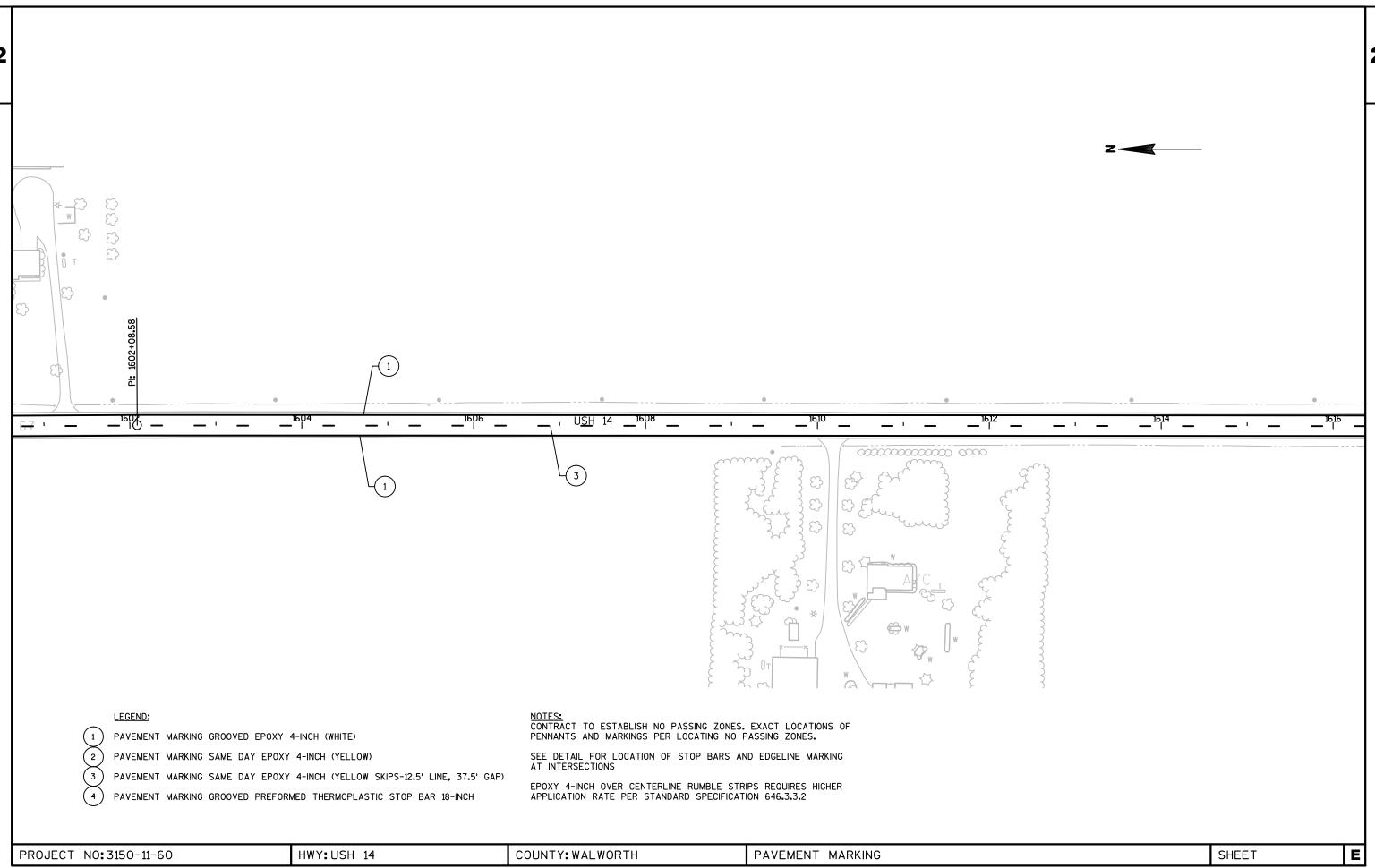


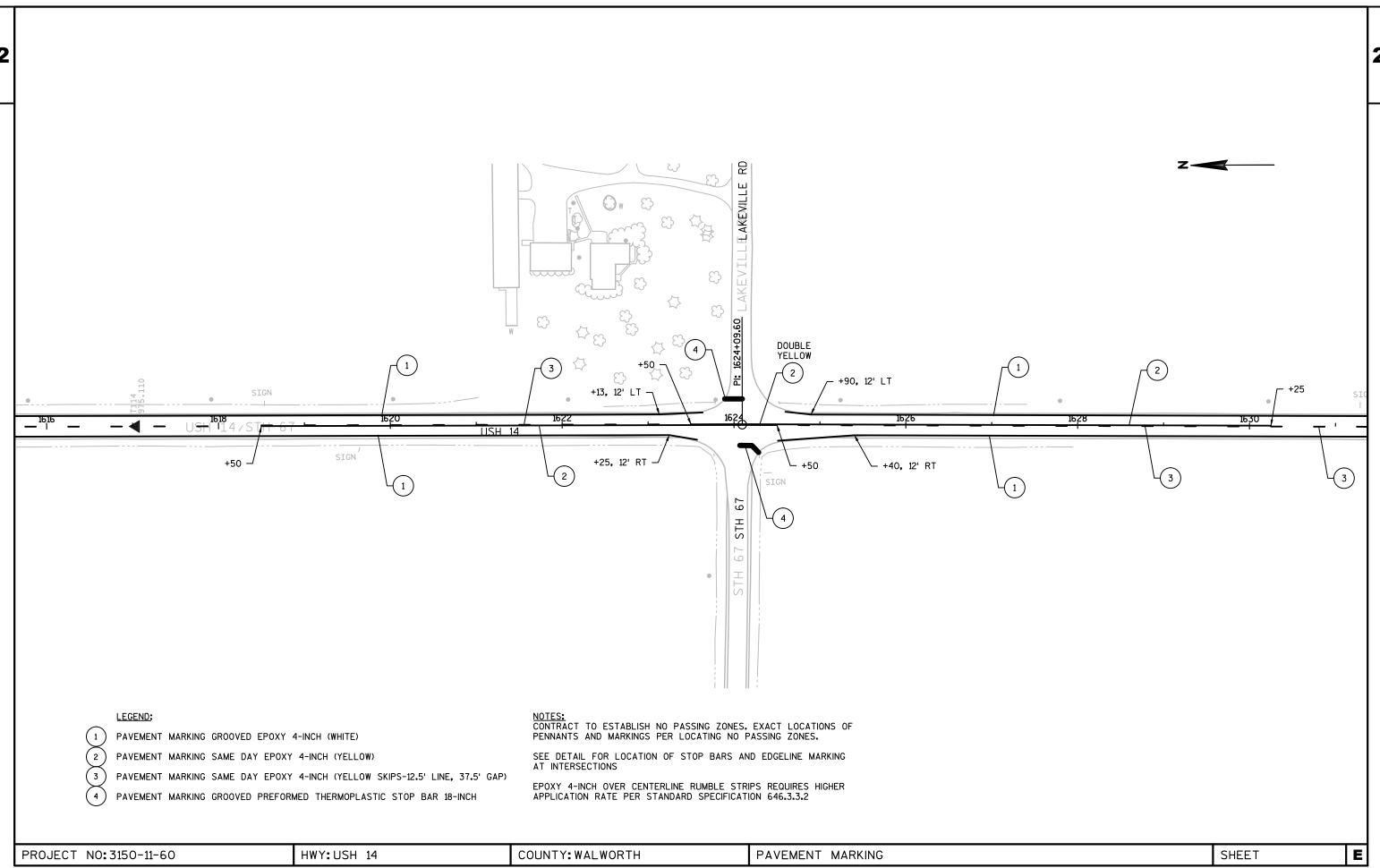


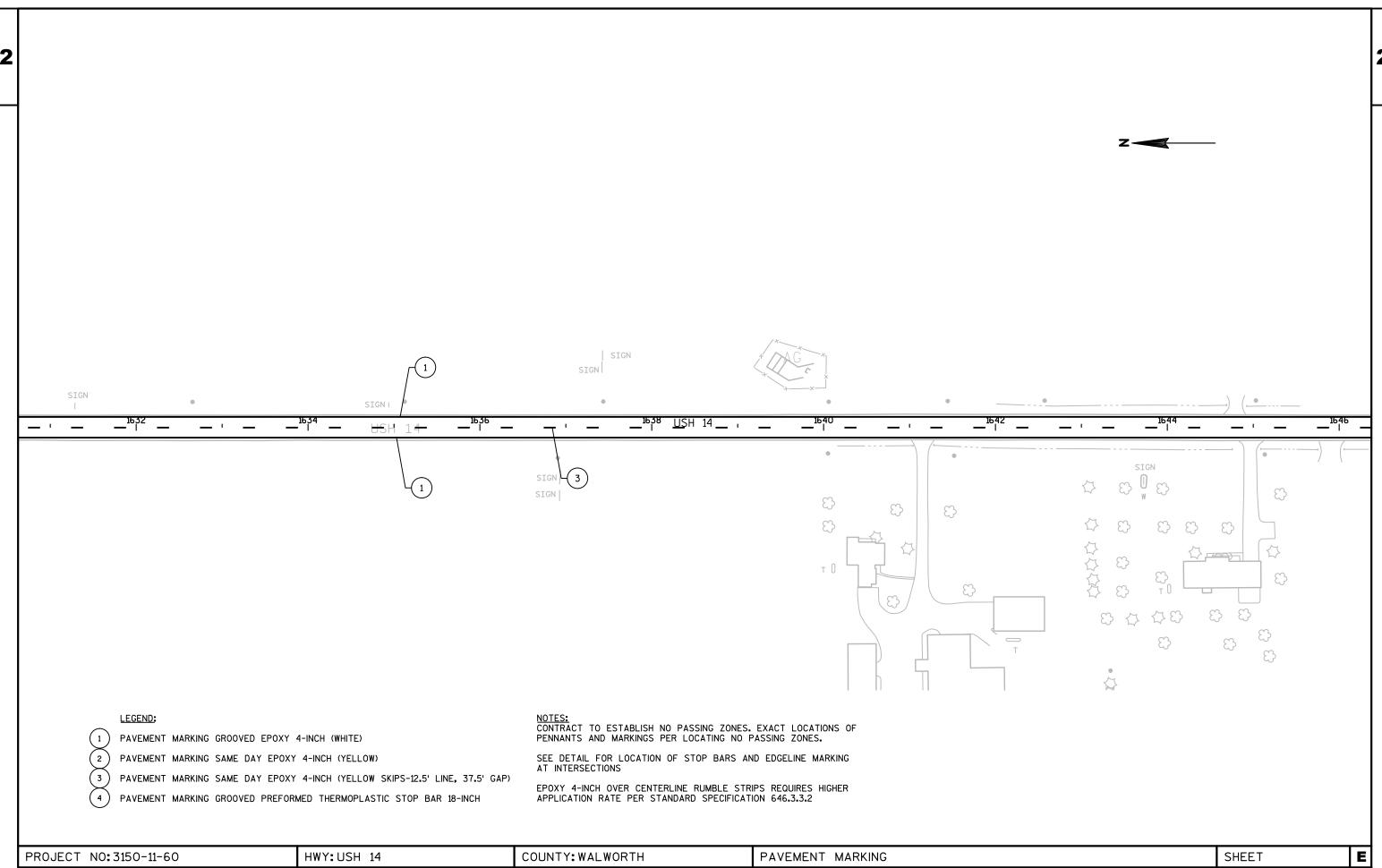
WISDOT/CADDS SHEET 42

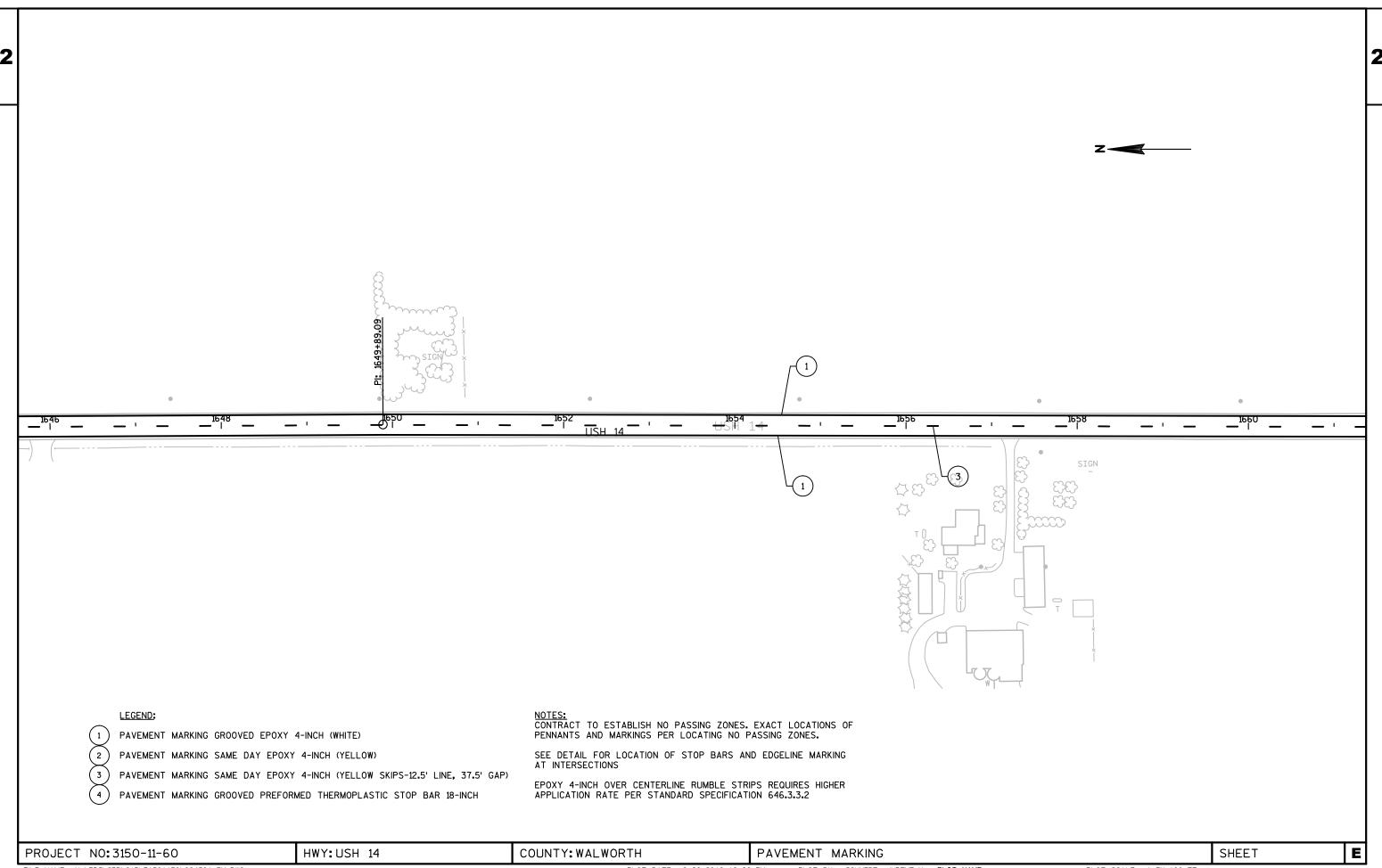


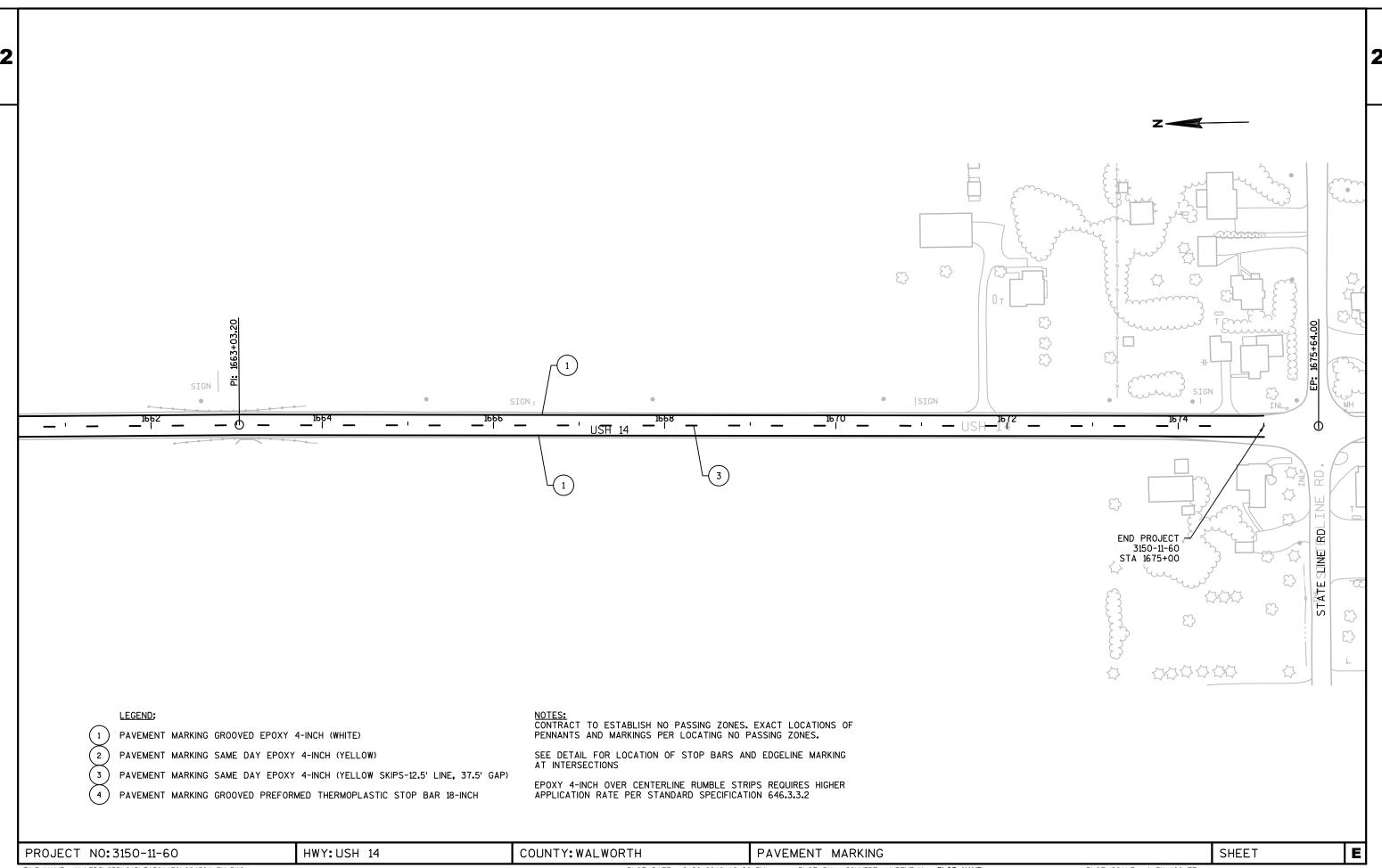


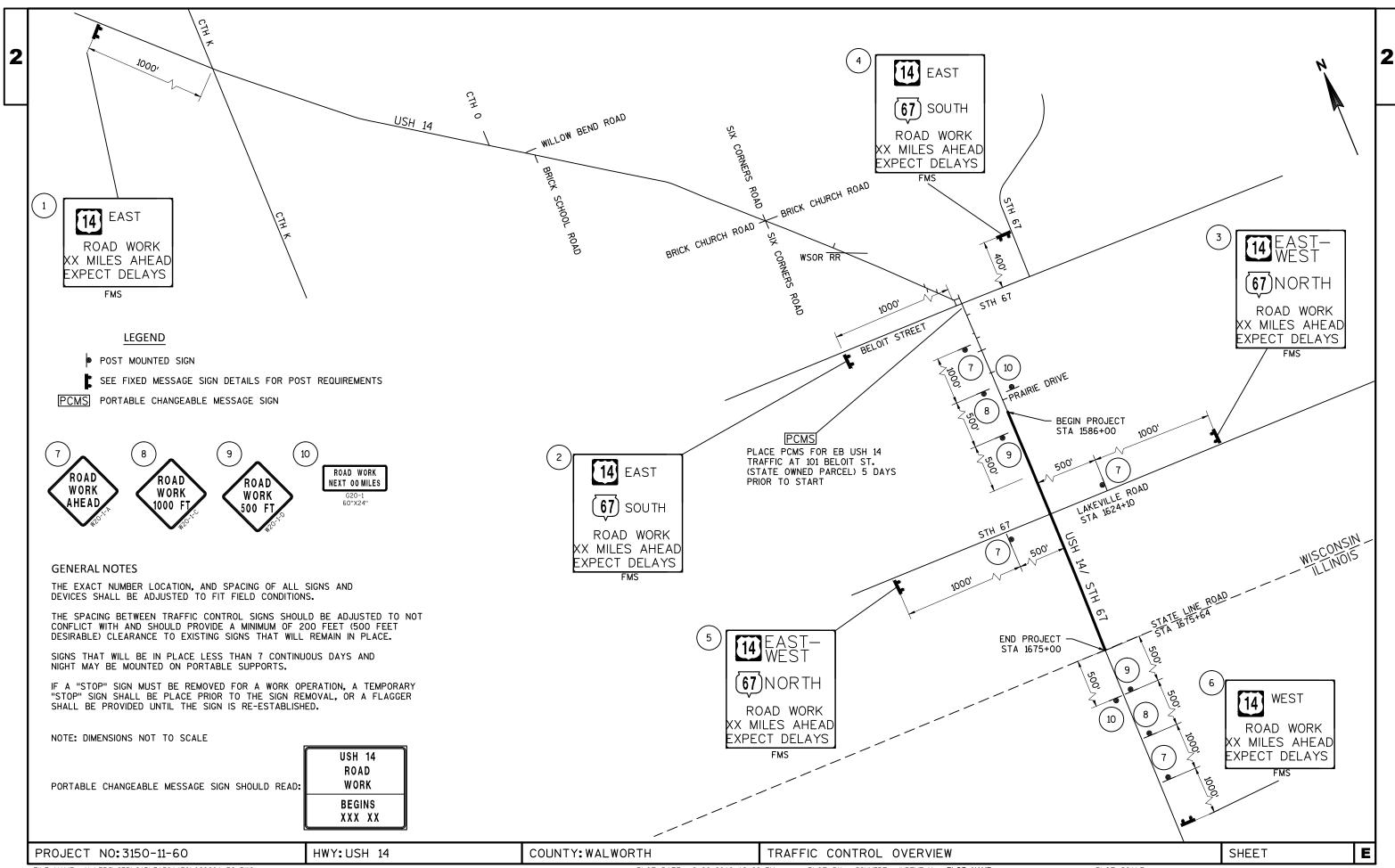












FIXED MESSAGE SIGNS (DETAILS SHEETS)

GENERAL NOTES:

- 1. ALL SIGNS TO HAVE FLUORESCENT REFLECTIVE SHEETING REFERENCE: "WISDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," LATEST FOLITION
- 2. AFTER SIGNS HAVE BEEN LOCATED IN THE FIELD, BUT BEFORE INSTALLATION, THE PROJECT ENGINEER SHALL VERIFY EACH SIGN LOCATION.
- 3. ALL SIGNS TO BE MOUNTED ON WOODEN POST SUPPORTS (4"x6") (FREEWAY) OR TUBULAR. STEEL POSTS OR 4X6 WOOD POSTS (NON FREEWAY). THE NUMBER OF POSTS REQUIRED FOR EACH LAYOUT IS SHOWN.
- 4. SIGNS ON THIS SHEET TO BE PAID UNDER THE ITEM "FIXED MESSAGE SIGNS."
- 5. SIGNS SHALL BE BLACK NON-REFLECTIVE MESSAGE ON ORANGE FLUORESCENT REFLECTIVE BACKGROUND PER SPEC 643 & 637.
- 6. ALL SIGNS SHALL HAVE CAPITAL LETTERS AND NUMERALS:

 12" CAPS SHALL BE SERIES "D"

 6" CAPS SHALL BE SERIES "C" UNLESS OTHERWISE SHOWN
- 7. ALL SIGNS SHALL HAVE BORDER & RADIUS OF BORDERS AS FOLLOWS:

 SIGN AREA
 WIDTH OF BORDER

 GREATER THAN 150 SQ FT
 3"

 60-150 SQ FT
 2"

 LESS THAN 60 SQ FT
 1"

- 8. BEGIN XXX XX SIGNS SHALL BE SEPARATE PANELS, BUT SHALL BE CONSIDERED AS PART OF THE SIGN AND SHOULD BE PLACED OVER EXPECT DELAYS WHEN SIGN IS ERECTED. THE MONTH AND DAY SHALL BE AS DIRECTED BY THE ENGINEER IN THE FIELD. PANELS SHALL BE REMOVED AFTER THEIR EFFECTIVE DATE.
- 9. SIGN BASE MATERIAL SHALL BE ACCORDING TO SECTION 643 & 637.
- 10. SIGNS TO BE IN PLACE 10 DAYS PRIOR TO CONSTRUCTION.
- (X)= SIGN NUMBER

FOR PLAN SHEETS

LEGEND: FIXED MESSAGE SIGNS

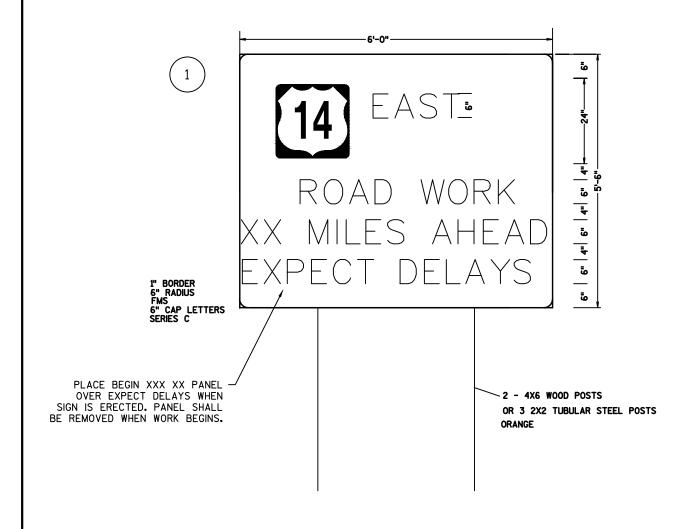
- EXISTING GUIDE SIGN TO BE COVERED
- FIXED MESSAGE SIGN(S) ON WOOD POST SUPPORTS OR TUBULAR STEEL POSTS
- (XX) FIXED MESSAGE SIGN NUMBER
- (A1) CONTRACTOR SHALL COVER AS DIRECTED BY THE ENGINEER ALL ROUTE MARKINGS PERTAINING TO THE PROJECT. INCIDENTAL TO WORK ZONE TRAFFIC CONTROL SIGNING.
- CMS CHANGEABLE MESSAGE SIGN

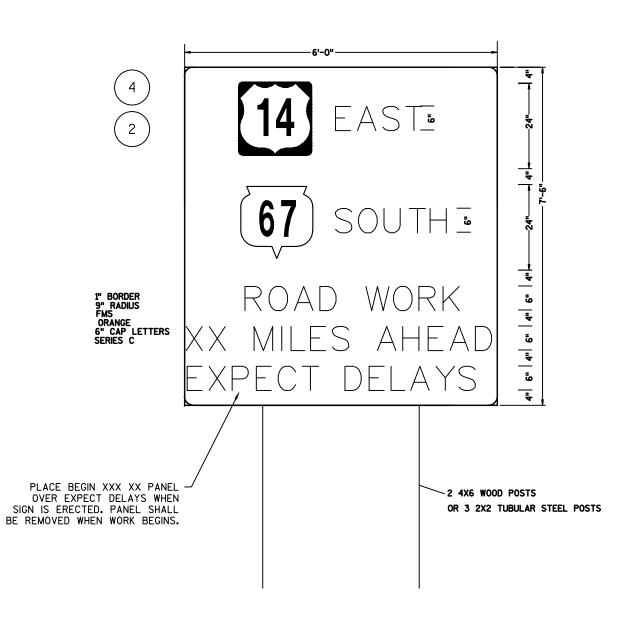
NOTES: FIXED MESSAGE SIGNS

- CONTRACTOR SHOULD LOCATE FIXED MESSAGE SIGNS A MINIMUM OF 400' FROM ANY EXISTING TYPE "I" SIGN.
- 2. ALL FIXED MESSAGE SIGNS SHALL BE BLACK NON—REFLECTIVE MESSAGE ON ORANGE FLORESCENT REFLECTIVE BACKGROUND PER SPEC 643 & 637.
- 3. SEE FIXED MESSAGE SIGNS AND SPECIAL MESSAGE SIGNS LAYOUT SHEETS FOR MORE INFORMATION.
- COVER DETOUR SIGNING WHEN NOT IN USE. INCIDENTAL TO WORK ZONE TRAFFIC CONTROL SIGNING.
- 5. SIGNS TO BE PLACED 10 DAYS PRIOR TO CONSTRUCTION.

PROJECT NO:3150-11-60 HWY:USH 14 COUNTY:WALWORTH FIXED MESSAGE SIGNS SHEET **E**

2



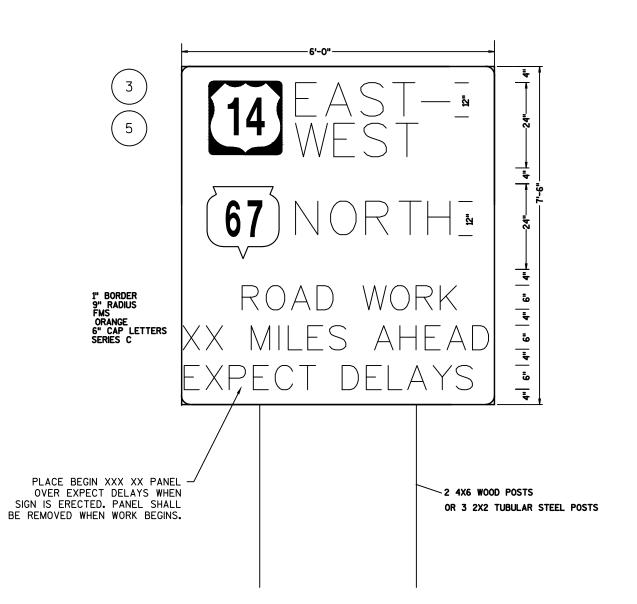


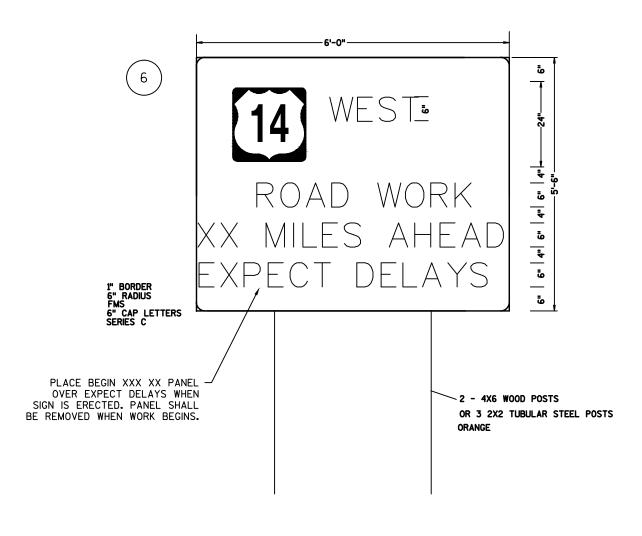


SEE NOTE 8 ON FIXED MESSAGE SIGNS, GENERAL NOTES.

PROJECT NO:3150-11-60 HWY:USH 14 COUNTY:WALWORTH FIXED MESSAGE SIGNS SHEET **E**

2

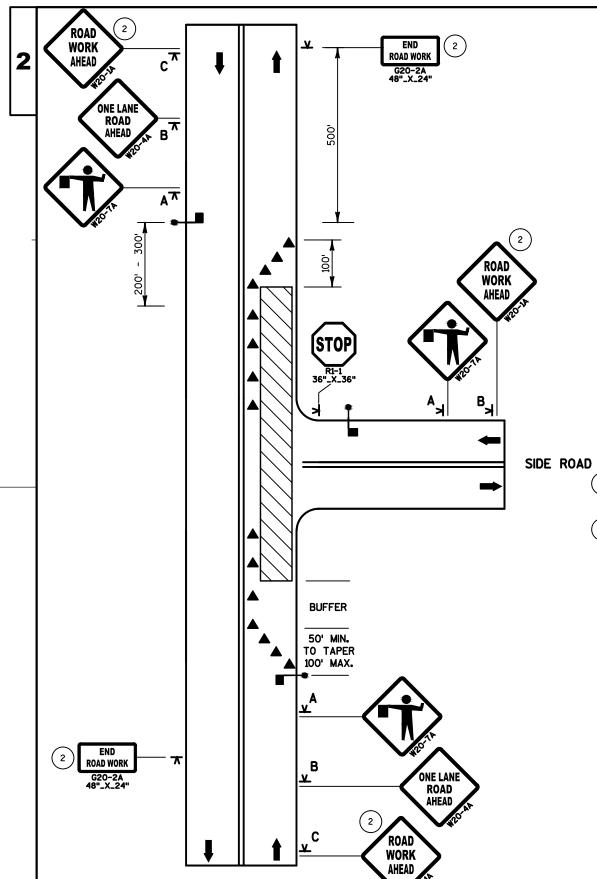




PROJECT NO:3150-11-60 HWY:USH 14 COUNTY:WALWORTH FIXED MESSAGE SIGNS SHEET **E**

WISDOT/CADDS SHEET 42





LANE CLOSURE THROUGH AN INTERSECTION

FLAGGER ON SIDE ROAD
(WORK AREA ON THROUGH ROAD)

LEGEND

◀ CHANNELIZING DEVICE

F PORTABLE SIGN SUPPORT

WORK AREA

TRAFFIC FLOW

FLAGGER

▶ POST MOUNTED SIGN

SPEED LIMIT (MPH)	SIGN SPACING A, B, C ,(FT)	BUFFER (FT)
25	200	55
30	200	85
35	350	120
40	350	170
45	500	220
50	500	280
55	500	335
ວວ	500	ا عدد

40AD <u>NOT</u>

- DEPENDING ON TRAFFIC CONDITIONS, CONSIDER ADDITIONAL TRAFFIC CONTROL ON THE SIDE ROAD APPROACHES, SUCH AS FLAGGERS AND APPROPRIATE SIGNS.
- 2 SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK AREA.

GENERAL NOTES

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

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

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

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

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

SHEET

WISDOT/CADDS SHEET 42

Ε

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

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

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

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

ADDITIONAL WORK VEHICLES MAY BE USED BETWEEN V1 AND V2.

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE AND OTHER FACTORS.

IF THERE IS A SIDE ROAD INTERSECTION BETWEEN THE FLAGGER STATIONS PROVIDE "ROAD WORK AHEAD" SIGNS ON THE SIDE ROAD AS APPROVED BY THE ENGINEER.

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

THIS DRAWING SHALL BE USED FOR CENTERLINE AND SHOULDER MILLING OF RUMBLE STRIPS.

- (1) MAXIMUM DISTANCE BETWEEN FLAGGER STATIONS SHALL BE TWO MILES.
- (2) FRONT TRUCK-MOUNTED ATTENUATOR V1 OPTIONAL FOR SHOULDER RUMBLE MILLING.
- 3 FOR MOVING WORK OPERATION, SIGNING FOR BOTH DIRECTIONS SHALL BE REESTABLISHED (AS SIMULTANEOUSLY AS PRACTICAL) AT APPROXIMATELY 3500 FOOT INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.
- (4) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

LEGEND

V1 LEAD VEHICLE

TRAIL VEHICLE WITH TMA

TRUCK-MOUNTED ATTENUATOR

SIGN ON PORTABLE SUPPORT

DIRECTION OF TRAVEL

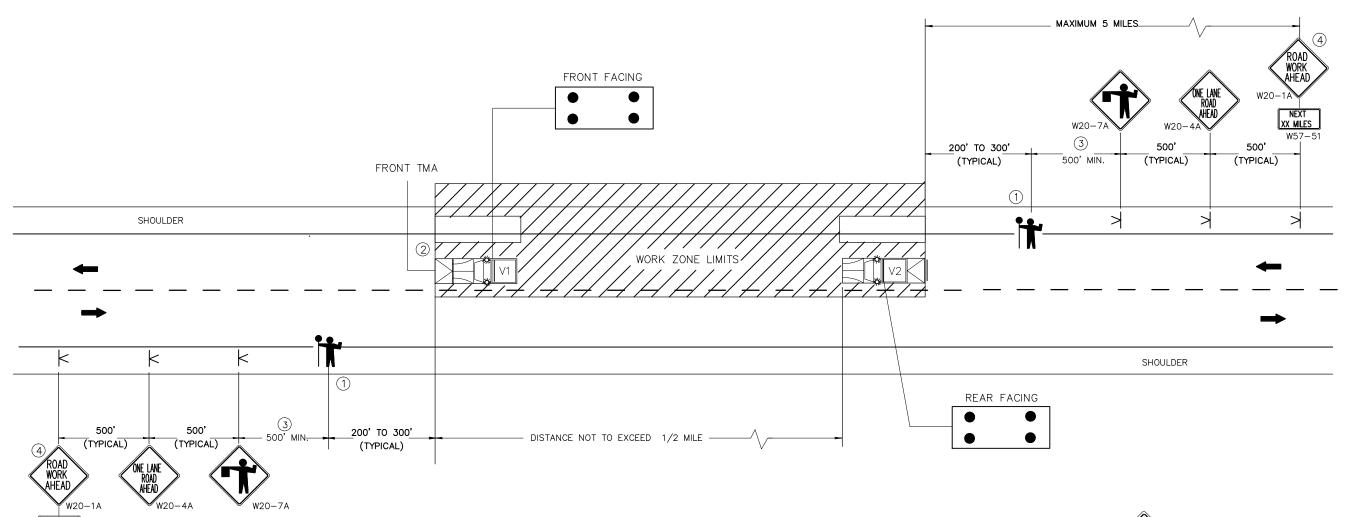
FLASHING ARROW PANEL (CAUTION)



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



WORK AREA



MOVING RUMBLE MILLING OPERATIONS TWO-LANE TWO-WAY ROADWAY

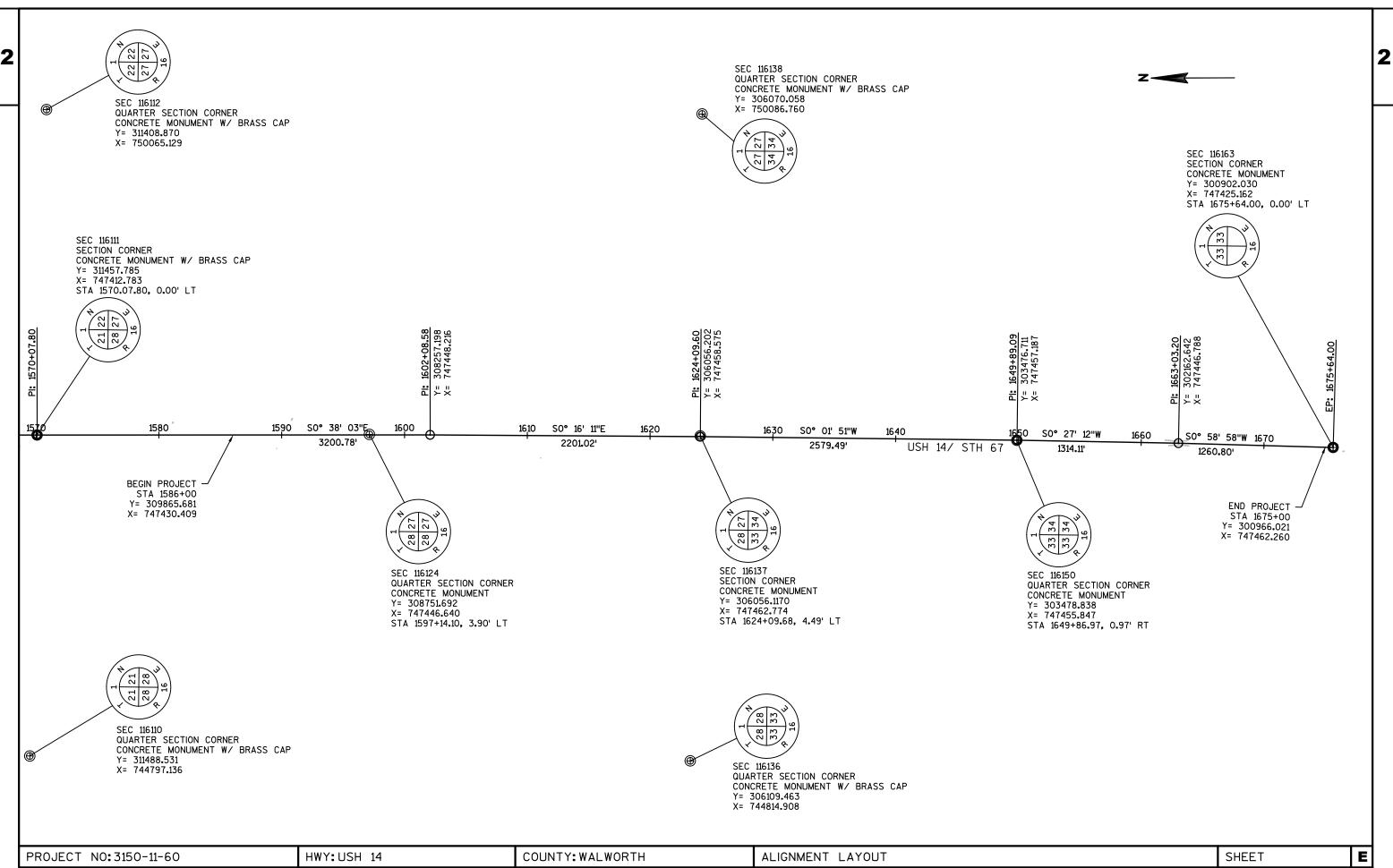
(REPOSITION VEHICLES TO OUTER EDGE FOR SHOULDER MILLING)

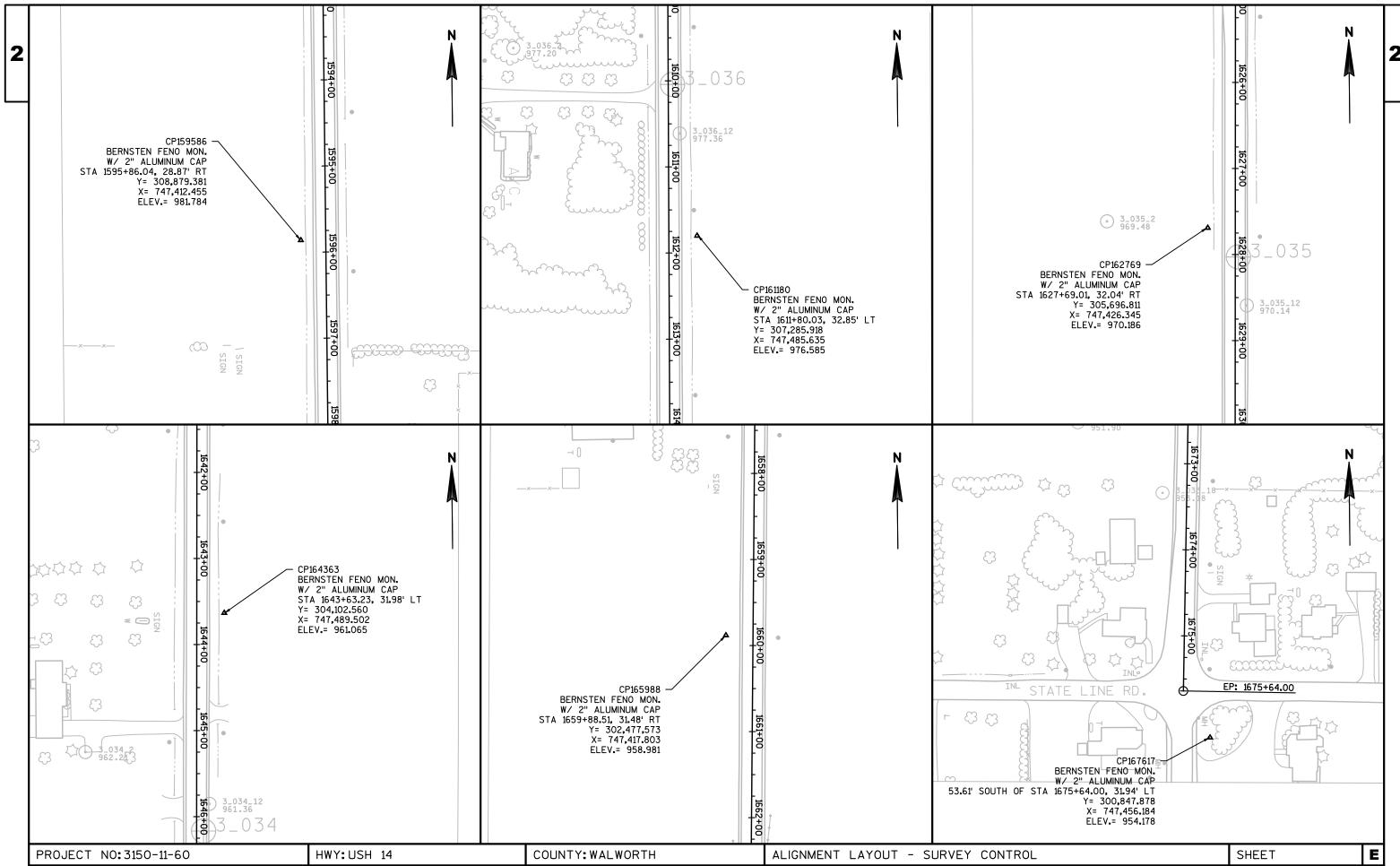
BE PREPARED TO STOP

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

PROJECT NO: 3150-11-60 SHEET E HWY: USH 14 COUNTY: WALWORTH TRAFFIC CONTROL DETAIL

XX MILES





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BASE PATCHING ASPHALTIC

LENGTH WIDTH

LOCATION

ASPHALT ITEMS

	204.0125 REMOVING ASPHALTIC SURFACE MILLING	455.0605 TACK COAT	460.5224 HMA PAVEMENT 4 LT 58-28 S	465.0475 ASPHALTIC CENTERLINE RUMBLE STRIPS 2-LANE RURAL
LOCATION	TON	GAL	TON	LF
EASTBOUND				
1586+00 TO 1597+00	202	128	237	
1597+00 TO 1625+00	531	338	625	2510
1625+00 TO 1673+00	880	565	1,043	4690
1673+00 TO 1675+00	42	27	49	64
WESTBOUND				
1586+00 TO 1597+00	202	128	237	
1597+00 TO 1625+00	524	334	616	
1625+00 TO 1673+00	880	562	1,039	
1673+00 TO 1675+00	37	23	43	
TOTAL	3,298	2,105	3,889	7,264

SHOULDER ITEMS

	305.0110 BASE AGGREGATE DENSE 3/4-INCH	305.0500* SHAPING SHOULDERS
LOCATION	TON	STA
EASTBOUND		
1586+00 TO 1623+90	100	38
1624+15 TO 1675+00	134	51
WESTBOUND		
1586+00 TO 1623+95	100	38
1624+25 TO 1675+00	134	51
UNDISTRIBUTED	47	
TOTAL	515	178

*UPPER LAYER OF EXISTING SHOULDER MATERIAL ARE MILLINGS. SHAPING SHOULDER ITEM SHALL BLADE OR SCARIFY MILLINGS TO DEPTH OF 2 INCHES, THEN PLACE ADDITIONAL BASE AGGREGATE DENSE 3/4-INCH AS NEEDED TO SHAPE AND COMPACT THE SHOULDER ACCORDING TO TYPICAL SECTION AND PAVEMENT SAFETY EDGE ON HMA OVERLAY CONSTRUCTION DETAIL. BLADING OR SCARIFYING MILLINGS IS INCIDENTAL TO ITEM SHAPING SHOULDERS.

*390.0203 BASE PATCHING

ASPHALTIC

LUC	ATION	LENGIH	חוטוייי	ASITIALTIC
STATION	DIRECTION	FT	FT	SY
1586+50	WB	125	12	167
1590+10	WB	60	6	40
1593+75	WB	45	12	60
1596+50	WB	85	12	113
1601+30	WB	10	12	13
1601+30	EB	10	12	13
1603+90	EB	10	12	13
1604+05	WB	35	12	47
1607+65	WB	10	12	13
1607+65	EB	10	12	13
1608+75	WB	65	6	43
1612+35	EB	15	6	10
1612+35	WB	85	12	113
1614+40	WB	185	6	123
1617+25	WB	25	12	33
1619+70	WB	75	12	100
1621+00	WB	100	6	67
1623+65	EB	85	12	113
1623+75	WB	75	12	100
1623+75	WB	35	12	47
1623+75	EB	35	12	47
1625+40	WB	225	12	300
1629+50	EB	10	12	13
1629+75	WB	75	12	100
1631+10	WB	50	12	67
1632+85	WB	265	12	353
1639+00	EB	50	12	67
1639+25	WB	50	12	67
1642+05	WB	50	12	67
1645+75	WB	25	12	33
1648+90	EB	10	12	13
1655+40	EB	55	12	73
1657+05	EB	15	12	20
1662+45	EB	55	12	73
1665+50	EB	85	6	57
1669+55	EB	50	12	67
1671+00	EB	25	12	33
1672+25	EB	15	12	20
1673+40	EB	20	12	27
1674+55	EB	45	12	60
LINIDICT	RIBUTED			280

TOTAL

3,078

*ENGINEER TO DETERMINE EXACT LOCATION IN THE FIELD NOTE: HMA PAVEMENT 3LT 58-28S TO BE PAID AS BASE PATCHING **ASHPALTIC**

NOTE: UNLESS OTHERWISE NOTED, ALL ITEMS ARE CATEGORY 0010

HWY: USH 14 MISCELLANEOUS QUANTITIES FILE NAME : ___ PLOT DATE : _ PLOT SCALE: 1:1

PROJECT NO: 3150-11-60

COUNTY: WALWORTH

PLOT NAME : _____

SHEET:

BEAM GUARD ITEMS

	204.0165	614.0397	614.2300 MGS 0	614.2610 GUARDRAIL
	REMOVING	GUARDRAIL MOW STRIP		
	GUARDRAIL	EMULSIFIED ASPHALT	3	TERMINAL EAT
LOCATION	LF	SY	LF	EACH
EASTBOUND				
1661+35 TO 1663+01	83	70	116	1
1663+22 TO 1664+28	72	47	50	1
WESTBOUND				
1661+12 to 1661+74	81	69	109	1
1662+99 TO 1664+31	78	54	79	1
TOTAL	314	240	354	4

EROSION CONTROL

	628.1504	628.1520 SILT FENCE
	SILT FENCE	MAINTENANCE
LOCATION	LF	LF
EASTBOUND		
1660+39 TO 1663+05	292	292
1663+25 TO 1665+28	242	242
WESTBOUND		
1661+72 TO 1662+75	211	211
1663+05 TO 1665+27	236	236
UNDISTRIBUTED	245	245
TOTAL	1,226	1,226

BARRIER SYSTEM GRADING SHAPING FINISHING

	**EXCAVATION COMMON	I **BORROW	**TOPSOIL	**FERTILIZER TYPE B	**SEED MIXTURE NO. 30	**EROSION MAT CLASS I TYPE A	614.0010
LOCATION	CY	CY	SY	CWT	LB	SY	EACH
EASTBOUND							
1660+72 TO 1663+00		20	133	0.08	2	133	1
1663+25 TO 1665+25		37	208	0.13	4	208	1
WESTBOUND							_
1661+62 TO 1662+75		8	83	0.05	1	83	1
1663+00 TO 1665+52		5	85	0.05	2	85	1
TOTAL	0	70	509	0.31	9	509	4

^{**}FOR INFORMATION ONLY, INCIDENTAL TO BARRIER SYSTEM GRADING SHAPING FINISHING
NOTE: QUANTITIES CALCULATED BASED ON SLOPE INTERCEPT LIMITS, ANY ADDITIONAL QUANTITIES DUE TO GRADING OPERATION ARE
INCIDENTAL TO BARRIER SYSTEM GRADING SHAPING FINISHING

EROSION CONTROL MOBILIZATIONS

	628.1905 MOBILIZATIONS	628.1910 MOBILIZATIONS
	EROSION	EMERGENCY
	CONTROL	EROSION
		CONTROL
LOCATION	EACH	EACH
USH 14	1	2
TOTAL	1	2

NOTE: UNLESS OTHERWISE NOTED, ALL ITEMS ARE CATEGORY 0010

PROJECT NO: 3150-11-60 HWY: USH 14 COUNTY: WALWORTH MISCELLANEOUS QUANTITIES SHEET: **E**

FILE NAME : _____ PLOT DATE : ____ PLOT BY : ____ PLOT NAME : ____ PLOT SCALE :

3150-11-60 USH 14

							637.2210	637.2230	637.2215	638.2602	638.3000	638.2102	634.0618	634.0816		
							SIGNS	SIGNS	SIGNS	REM	REM	MOVING		POSTS		
]		SIGN			SIGN		TYPE II	TYPE II	TYPE II	SIGNS	SMALL	SIGNS	WOOD	TUBULAR	MOUNT	
s	IGN	CODE	SIGN		SIZE		REFLECTIVE	RELFECTIVE	REFLECTIVE	TYPE	SIGN	TYPE	POSTS	STEEL	ON SAME	
١	NO.	& SIZE	MESSAGE	W	х	Н	Н	F	H FOLDING	II	SUP	II	4" X 6" X 18'	2" X 2" X 16'	POST AS	
				[IN.]	х	[IN.]	[SF]	[SF]	[SF]	[EA]	[EA]	[EA]	[EA]	[EA]	SIGN#	REMARKS / NEW SIGN LOCATION
1	1	R2-1 (2S)	SPEED LIMIT 55	24	Х	30	5.000			1	1		1			
	2	NOT USED														
	3	R2-1 (3)	SPEED LIMIT 45	36	Χ	48	12.000			1	1		1			SIZE 3 FOR FIRST SIGN IN REDUCED ZONE
	4	W3-5 (2S)	REDUCED SPEED AHEAD	36	Χ	36		9.000					1			
	5	W3-5 (2S)	REDUCED SPEED AHEAD	36	Х	36		9.000		1	1		1			
	6	J2-2 (2S)		48	Χ	57	19.000			1	1		1			
		M3-2	EAST	24	Χ	12										
		M1-4	USH 14	24	Χ	24										
		M6-1	ARROW UP	21	Χ	21										
		M3-3	SOUTH	24	Χ	12										
		M1-6	STH 67	24	Χ	24										
		M5-1R	ADVANCE ARROW RIGHT	21	Х	21										
	7	W14-3 (2S)	NO PASSING ZONE	48	Χ	36		6.000							8	
	8	D12-2A (2S)	RIDESHARE INFO	60	Χ	42	17.500			1	2		2			REMOVE THE W14-3 ALSO
	9	D1-1	[A] LAKEVILLE RD	84	Χ	15	8.750						2			
	10	D1-2	[A] HARVARD	66	Χ	30	13.750			1	2		2			
			SHARON [A]													
		` '	SPEED LIMIT 55	24	Χ	30	5.000						1			
	12	JV4-2 (2S)		24	Χ	72	12.000			1	1		1			
		M3-4	WEST	24	Χ	12										
		M1-4	USH 14	24	Χ	24										
		M3-1	NORTH	24	Χ	12										
		M1-6	STH 67	24	Х	24										
	13	J13-1 (2S)		24	Х	45	7.500			1	1		1			
			STH 67	24	Х	24										
			ARROW LEFT	21	Х	21										
		l ` '	STOP	30	X	30	5.180			1	1		1			REMOVE THE W4-4C ALSO
		` ´	TRAFFIC ON 14 DOES NOT STO	24	Х	12	2.000								14	YELLOW WITH BLACK LETTERS
		. ,	STOP	36	X	36	7.460			1	1		1			REMOVE THE W4-4C ALSO
			TRAFFIC ON 14 DOES NOT STO	24	X	12	2.000								15	YELLOW WITH BLACK LETTERS
	16	NOT USED	STOP (BLINKER)													BLINKER STOP SIGN, EXISTING SIGN TO REMAIN.

SHEET: 1 OF 3

SHEET:

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FILE NAME : N:\SPO\Operations\Signing\Miscellaneous Quantities\3150-11-60\030502_mq.pptx

HWY: USH 14

PROJECT NO: 3150-11-60

TYPE I&II PERMANENT SIGNING -

PLOT DATE: April 5, 2016

COUNTY: WALWORTH

PLOT BY : mscjzb

PLOT NAME: 030502_mq.pdf

MISCELLANEOUS QUANTITIES – PERMANENT SIGNING

PLOT SCALE : 1:1

3150-11-60 USH 14

	TERMANENT STORM					637.2210	637.2230	637.2215	638.2602	638.3000	638.2102	634.0618	634.0816		3150-11-60 USH 14
						010110	0,010	010110	5514	5514			50070		
	CICN			CICN		SIGNS	SIGNS	SIGNS	REM	REM	MOVING	WOOD	POSTS	MOUNT	
CICNI	SIGN			SIGN		TYPE II	TYPE II	TYPE II	SIGNS	SMALL	SIGNS	WOOD	TUBULAR	MOUNT	
SIGN	CODE	SIGN	10/	SIZE				REFLECTIVE		SIGN	TYPE	POSTS	STEEL	ON SAME	
NO.	& SIZE	MESSAGE	W UNI 1	X	H [IN.]	H [SF]	F [SF]	H FOLDING [SF]	II II	SUP [EA]	II [EA]	[EA]	2" X 2" X 16' [EA]		REMARKS / NEW SIGN LOCATION
			[IN.]	Х	[IIN.]	[SF]	[SF]	[SF]	[EA]	[EA]	[EA]	[EA]	[EA]	SIGN#	REWARKS / NEW SIGN LOCATION
16A	W4-4C (2S)	TRAFFIC ON 14 DOES NOT STO	24	Х	12	2.000			1						YELLOW WITH BLACK LETTERS. MOUNT UNDER BLINKER
17	J3-3 (2S)		72	Х	57	28.500			1	2		2			STOP SICNI
	M3-1	NORTH	24	Χ	12										
	M1-6	STH 67	24	Χ	24										
	M6-1	ARROW LEFT	21	Χ	21										
	M3-4	WEST	24	Χ	12										
	M1-4	USH 14	24	Χ	24										
	M6-1	ARROW LEFT	21	Χ	21										
	M3-2	EAST	24	Χ	12										
	M1-4	USH 14	24	Χ	24										
	M6-1	ARROW RIGHT	21	Χ	21										
18	J3-1 (2S)		24	Χ	57	9.500			1	1		1			
	M3-3	SOUTH	24	Χ	12										
	M1-6	STH 67	24	Χ	24										
	M6-1	ARROW LEFT	21	Х	21										
19	R2-1 (2S)	SPEED LIMIT 55	24	Χ	30	5.000						1			
20	D1-1	LAKEVILLE RD [A]	84	Χ	15	8.750						2			
21	J4-1 (2S)		24	Χ	36	6.000			1	1		1			REMOVE THE W14-3 ALSO
	M3-2	EAST	24	Χ	12										
	M1-4	USH 14	24	Х	24										
22	W14-3 (2S)	NO PASSING ZONE	48	Х	36		6.000							21	
23	J2-3 (2S)		72	X	57	28.500			1	2		2			
	M3-3	SOUTH	24	X	12										
	M1-6	STH 67	24	X	24										
	M5-1L	ADVANCE ARROW LEFT	21	X	21										
	M3-4	WEST	24	X	12										
	M1-4	USH 14	24	X	24										
	M6-1	ARROW UP	21	X	21										
	M3-1	NORTH	24	X	12										
	M1-6	STH 67	24	X	24										
	M6-1	ARROW UP	21	X	21		<u> </u>							<u> </u>	

SHEET: 2 OF 3

SHEET:

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FILE NAME : N:\SPO\Operations\Signing\Miscellaneous Quantities\3150-11-60\030502_mq.pptx

HWY: USH 14

PROJECT NO:3150-11-60

TYPE I&II PERMANENT SIGNING -

PLOT DATE: April 5, 2016

COUNTY: WALWORTH

PLOT BY : mscjzb

PLOT NAME: 030502_mq.pdf

PLOT SCALE : 1:1

MISCELLANEOUS QUANTITIES – PERMANENT SIGNING

3150-11-60 USH 14

							637.2210	637.2230	637.2215	638.2602	638.3000	638.2102	634.0618	634.0816		3130-11-00 USH 14
							SIGNS	SIGNS	SIGNS	REM	REM	MOVING		POSTS		
		SIGN			SIGN		TYPE II	TYPE II	TYPE II	SIGNS	SMALL	SIGNS	WOOD		MOLINIT	
1	OLON													TUBULAR	MOUNT	
ı	SIGN	CODE	SIGN	14/	SIZE				REFLECTIVE	TYPE 	SIGN	TYPE	POSTS	STEEL	ON SAME	
	NO.	& SIZE	MESSAGE	W	Х	Н	H	F	H FOLDING		SUP			2" X 2" X 16'	POST AS	
ı				[IN.]	Х	[IN.]	[SF]	[SF]	[SF]	[EA]	[EA]	[EA]	[EA]	[EA]	SIGN#	REMARKS / NEW SIGN LOCATION
ı	0.4	D4 0	[A] WALWORTH	70		00	45.000			4	0		0			
1	24	D1-2	[A] WALWORTH	72	Χ	30	15.000			1	2		2			
	0.5		[A] SHARON	0.4		00	0.500			4	4		4			
	25	J1-1 (2S)	LOT	24	X	39	6.500			1	1		1			
		M2-1	JCT	21	X	15										
		M1-6	STH 67	24	X	24								_		
	26	` ´	CLEARANCE STRIPER DOWN F	12	X	36		3.000		1	1			1		
ı	27	` ′	CLEARANCE STRIPER DOWN L		Х	36		3.000		1	1			1		
ı	28	` ′	CLEARANCE STRIPER DOWN L	12	Х	36		3.000		1	1			1		
ı	29	` ′	CLEARANCE STRIPER DOWN F	12	Х	36		3.000		1	1			1		
ı	30	` '	REDUCED SPEED AHEAD	36	Х	36		9.000		1	1		1			
ı	31	R2-1 (2S)	SPEED LIMIT 55	24	Χ	30	5.000			1	1		1			
ı	32	W3-5 (2S)	REDUCED SPEED AHEAD	36	Χ	36		9.000					1			
ı	33	W21-61 (2S)	FINES DOUBLE IN WORK ZONE	36	Χ	36	9.000			1	2		2			REMOVE THE W21-60 ALSO
ı	34	W21-60 (2S)	GIVE 'EM A BRAKE SLOW DOV	36	Χ	36		9.000							33	
ı	35	J4-1 (2S)	EXISTING ASSEMBLY							1	1					REMOVE THE R59-51 ALSO
	36	R59-51 (2S)	STOP FOR BUS FLASHING LIGH	36	Χ	36	9.000						1			
	37	J4-1 (2S)		24	Χ	36	6.000						1			
ı		M3-4	WEST	24	Χ	12										
l		M1-4	USH 14	24	Χ	24										
ı	38	I2-1B (2S)	WELCOME TO							1	2					EXISTING WELCOME TO WISCONSIN SIGN 1/2
ı			WISCONSIN													MILE NORTH
	39	D1-61	STATE LINE RD	78	Х	24	13.000						2			
			[A] [A]													
	40	I2-2 (2S)	WALWORTH CO	72	Х	15	7.500			1	2		2			
	41	R1-1 (2S)	STOP	30	Х	30	5.180			1	1		1			REMOVE THE W4-4P ALSO
		W4-4P (MOD) (2S)	CROSS TRAFFIC	24	Х	12	2.000								41	WHITE WITH RED LETTERS
			DOES NOT STOP													
	42	12-1	WISCONSIN	78	Х	21	11.375									MOUNT UNDER SIGN 40
		ITRIBUTED														
		TOTALS					294.945	69.000	0.000	28	35	0	40	4		
ı							1	<u> </u>	1	1	!	!		<u> </u>	!	1

SHEET: 3 OF 3

SHEET:

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FILE NAME : N:\SPO\Operations\Signing\Miscellaneous Quantities\3150-11-60\030502_mq.pptx

HWY: USH 14

PROJECT NO:3150-11-60

TYPE I&II PERMANENT SIGNING -

COUNTY: WALWORTH PLOT DATE: April 5, 2016

PLOT BY : mscjzb

PLOT NAME: 030502_mq.pdf

MISCELLANEOUS QUANTITIES – PERMANENT SIGNING

PLOT SCALE: 1:1

	643.	0300	643.	0900	643.1000 SIGNS FIXED	643.	1050		0045.01 REMOTE
	DRI	JMS	SIG	SNS	MESSAGE	SIGNS	PCMS	CC	DMM
	EACH	DAYS	EACH	DAYS	SF	EACH	DAYS	EACH	DAYS
3150-11-60	26	168	54	582	282	1	5	1	5
UNDISTRIBUTED						1	5	1	5
TOTAL		168		582	282		10		10

PAVEMENT MARKING

	646.0 SAME DAY EF		649. TEMPORARY E		SPV0090.01 GROOVED EPOXY	SPV.0090.02 GROOVED PREFORMED
	(YELLOW)	(YELLOW)	(YELLOW)	(YELLOW)	4-INCH	THERMOPLASTIC STOP BAR
		12.5' SKIPS		4' SKIPS	(WHITE)	18-INCH
LOCATION	LF	LF	LF	LF	LF	<u>LF</u>
USH 14						
1586+00 TO 1597+00**		675			2,200	
1597+00 TO 1622+10	360	625	360	200	5,165	
1622+10 TO 1626+10	500	75	500	24	606	
1626+10 TO 1673+00	415	1,188	415	380	9,508	
1673+64 TO 1675+00		38		12	272	
STH 67/LAKEVILLE RD						45
SUBTOTAL	1,275	2,600	1,275	616	17,751	45
TOTAL	3,8	75	1,8	91	17,751	45

^{**}ADDITIONAL QUANTITY INCLUDED FOR LOCATING NO PASSING ZONE MARKING BEYOND NORTH PROJECT LIMITS

LOCATING NO-PASSING ZONES

648.0100 LOCATING NO-PASSING ZONES

HWY: USH 14

LOCATION	MI
USH 14	1.69
TOTAL	1.69

PROJECT NO: 3150-11-60

CONSTRUCTION STAKING

| 650.8000 | 650.9910 | SUPPLEMENTAL | RESURFACING | CONTROL | (3150-11-60) | LOCATION | LF | LS | USH 14 | 8,900 | 1 | | TOTAL | 8,900 | 1 |

MISCELLANEOUS QUANTITIES

SAWING ASPHALT

690.0150

SHEET:

E

 LOCATION
 LF

 BEGIN PROJECT
 30

 STH 67
 56

 LAKEVILLE ROAD
 50

 END PROJECT
 37

 TOTAL
 173

FILE NAME : ______ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ PLOT SCALE : 1:1

COUNTY: WALWORTH

Standard Detail Drawing List

08E09-06	SILT FENCE
13A11-02A	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13A11-02B	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
14B28-03	GUARDRAIL MOW STRIP
14B42-03A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-03B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-03C	MI DWEST GUARDRAI L SYSTEM (MGS) GUARDRAI L
14B44-02A	MI DWEST GUARDRAI L SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-02B	MI DWEST GUARDRAI L SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-02C	MI DWEST GUARDRAI L SYSTEM ENERGY ABSORBING TERMINAL (MGS)
15C04-03	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C12-04	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15C19-03A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15D28-03	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

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.

- ① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
- 2 FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- 3 WOOD POSTS SHALL BE A MINIMUM SIZE OF 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



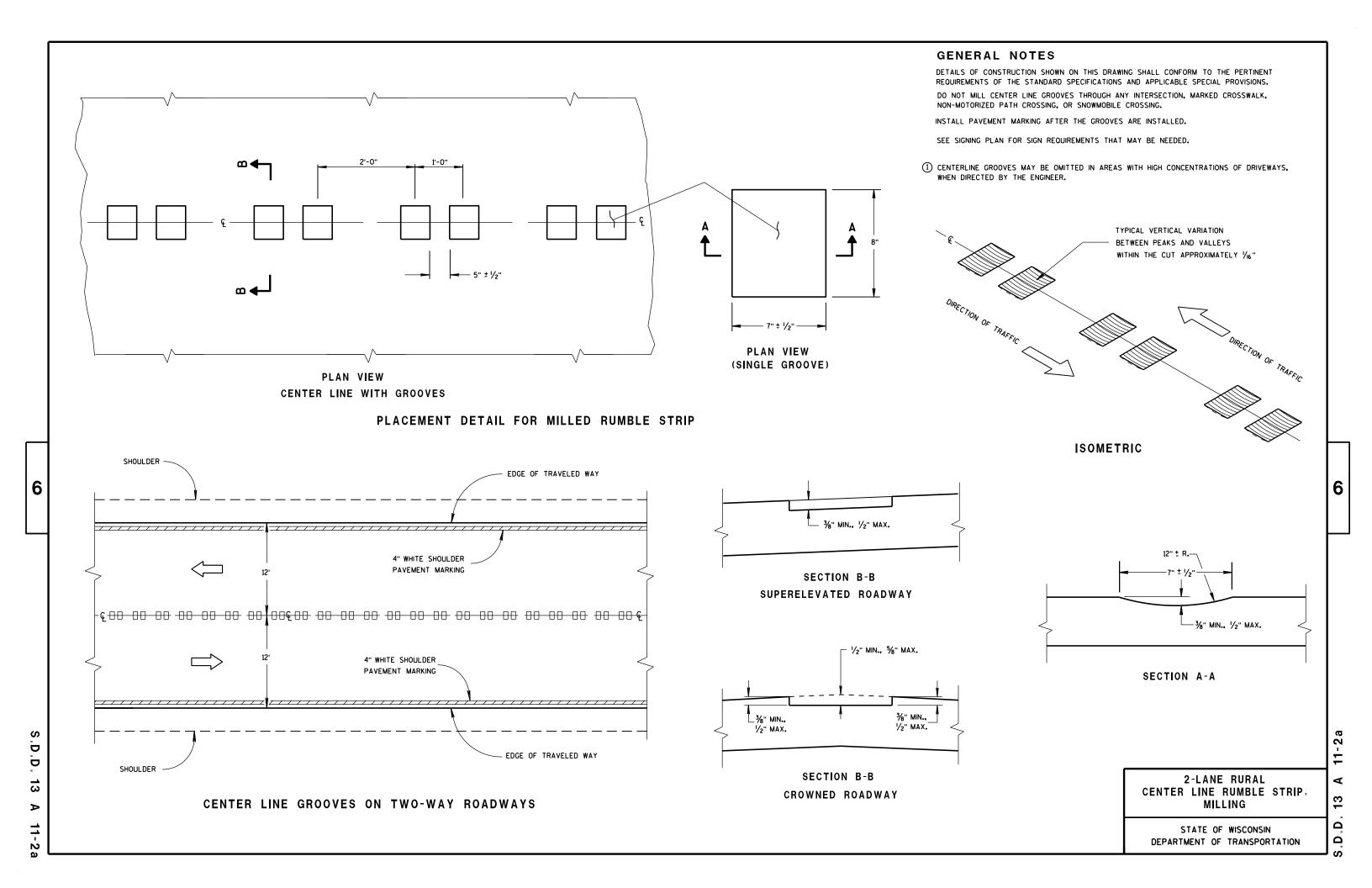
SILT FENCE TIE BACK

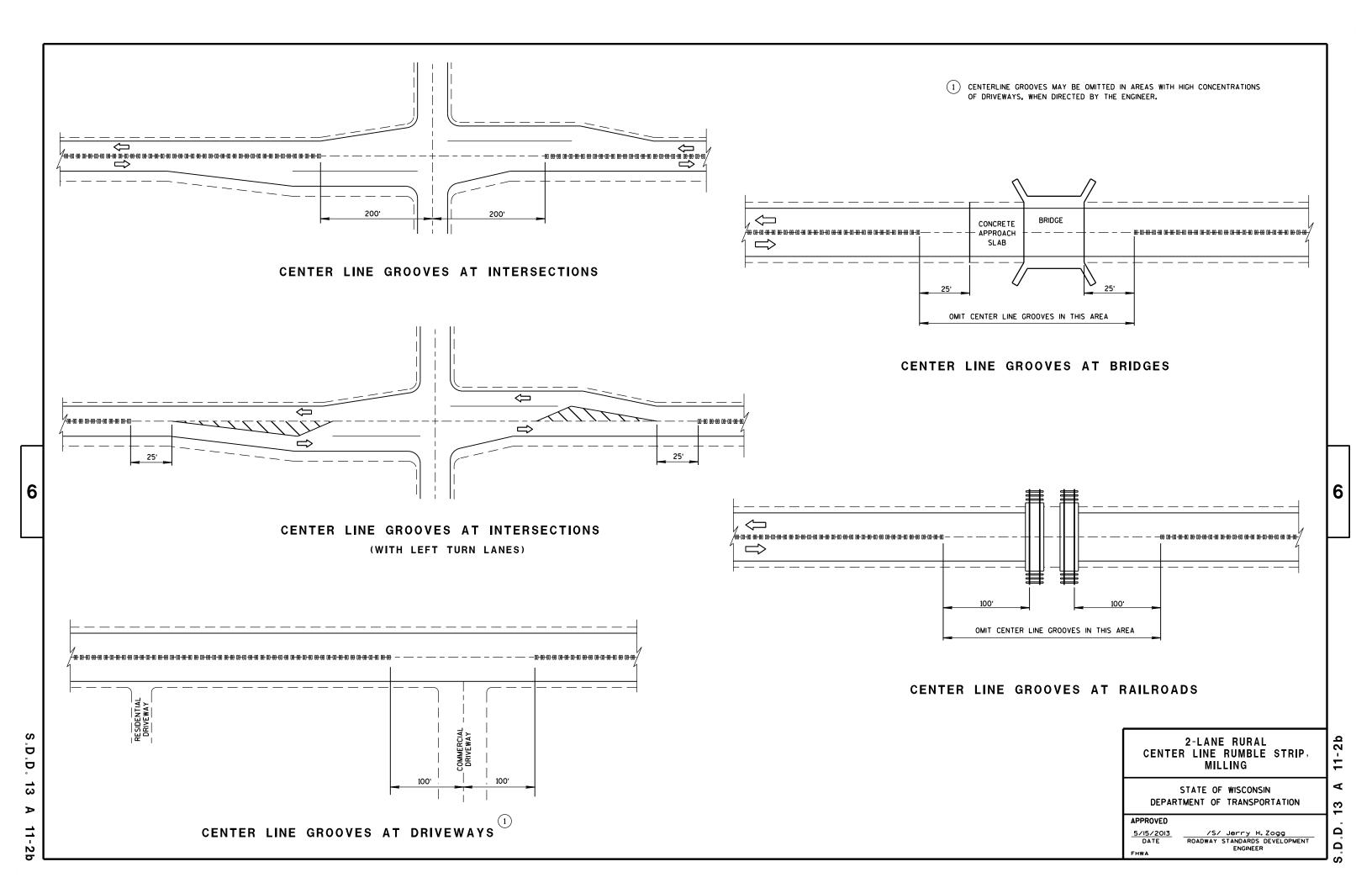
(WHEN REQUIRED BY THE ENGINEER)

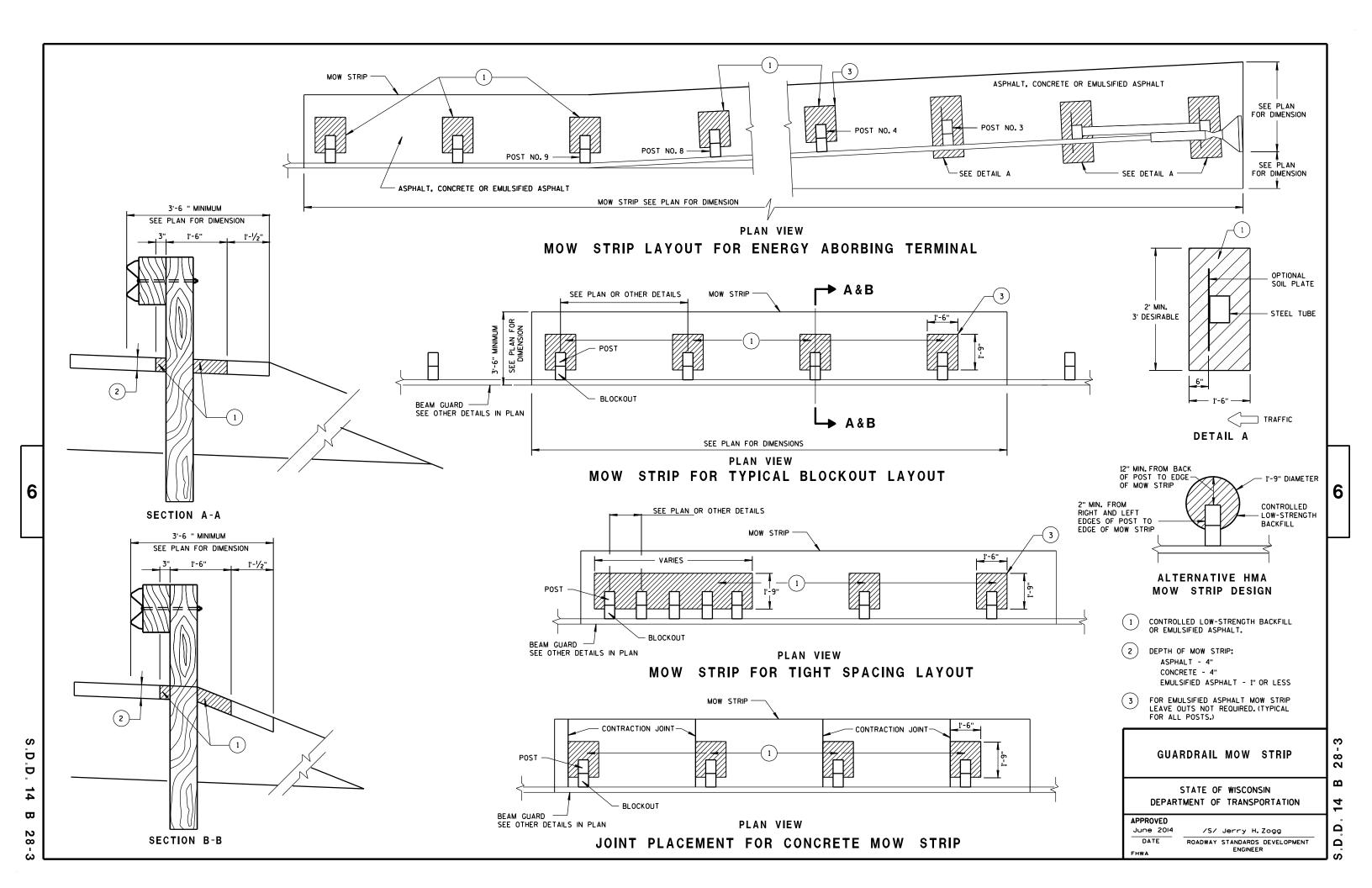


SILT FENCE

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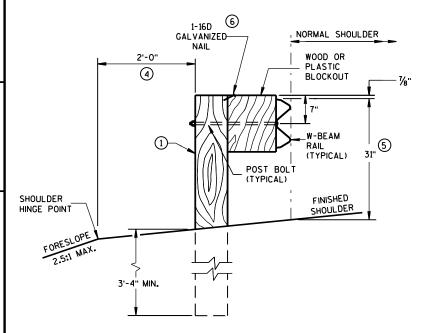






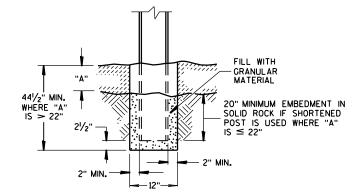
GENERAL NOTES

- (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

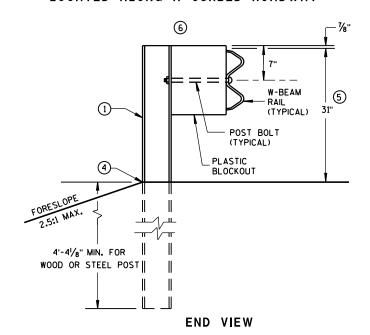
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



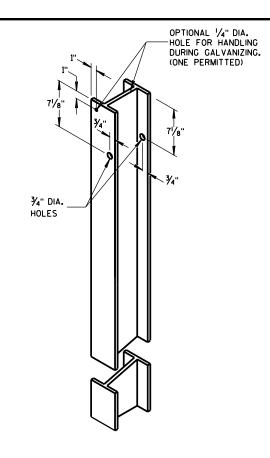
SETTING STEEL OR WOOD POST IN ROCK $^{\scriptsize{\textcircled{3}}}$



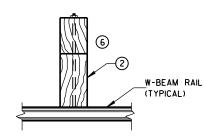
END VIEW
LOCATED ALONG A CURBED ROADWAY



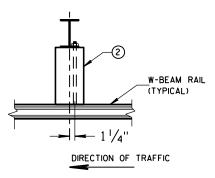
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



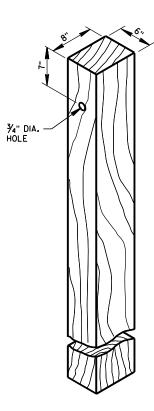
STEEL POST & HOLE PUNCHING DETAIL (w6X9)



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

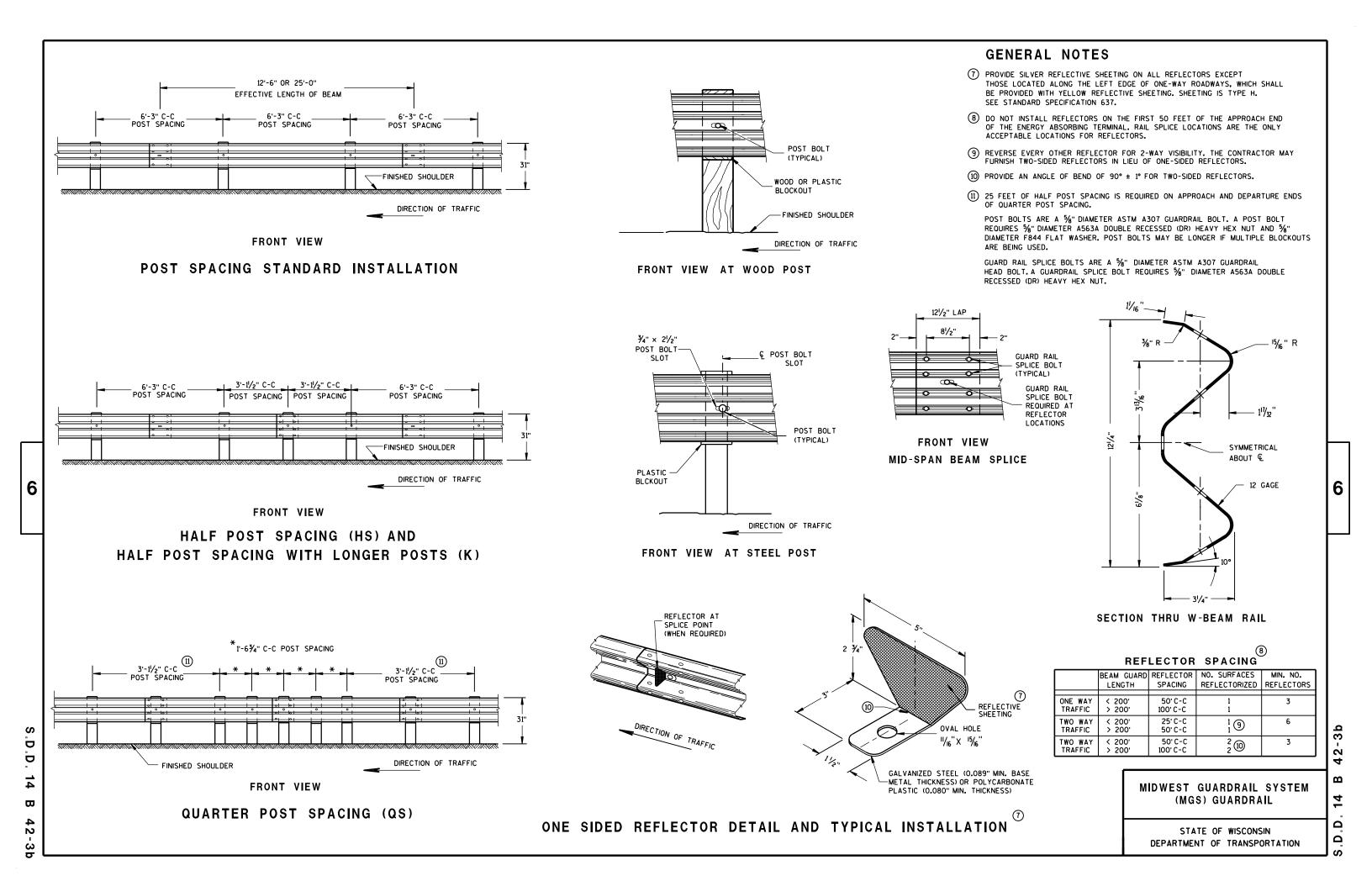
S.D.D. 14 B 4

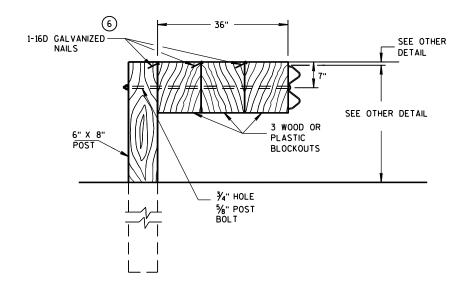
6

.D.D. 14 B

3a

2



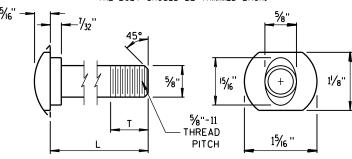


DETAIL FOR 36" BLOCKOUT DEPTH

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.

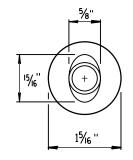
> DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

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.

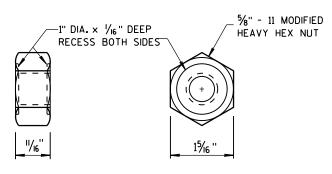


POST BOLT TABLE

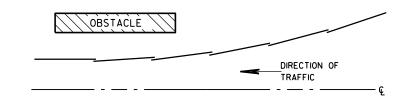
11/8"
437
13/4"
4"
41/16"
4"
41/16"
4"



ALTERNATE BOLT HEAD

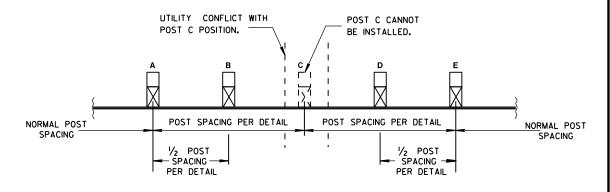


POST BOLT AND RECESS NUT



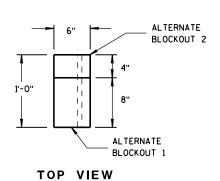
PLAN VIEW

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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SECTION A-A SECTION B-B

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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 1AND 2
3	WOOD CRT
4	WOOD BLOCKOUT
(5)	PIPE SLEEVE
6	BEARING PLATE
7	BCT CABLE ASSEMBLY
8	ANCHOR CABLE BOX
9	GROUND STRUT
10	PERFORATED W-BEAM RAIL END PANEL, 12'-6" LONG.
(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

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GENERAL NOTES

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

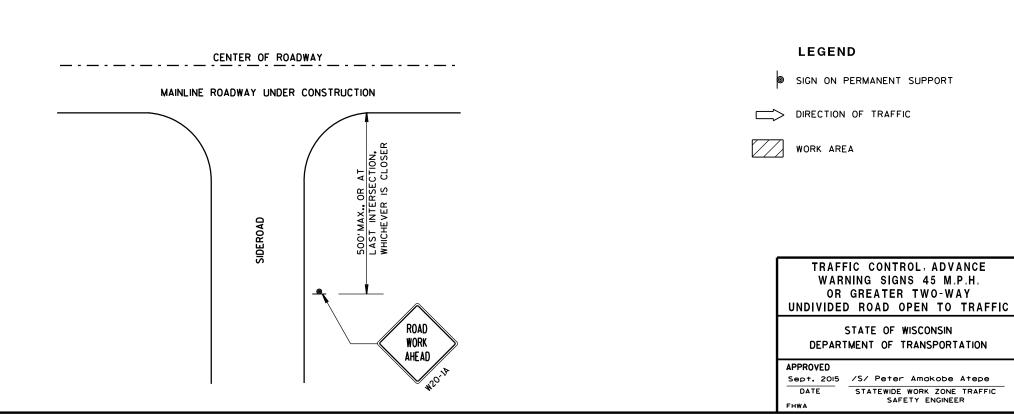
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

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

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



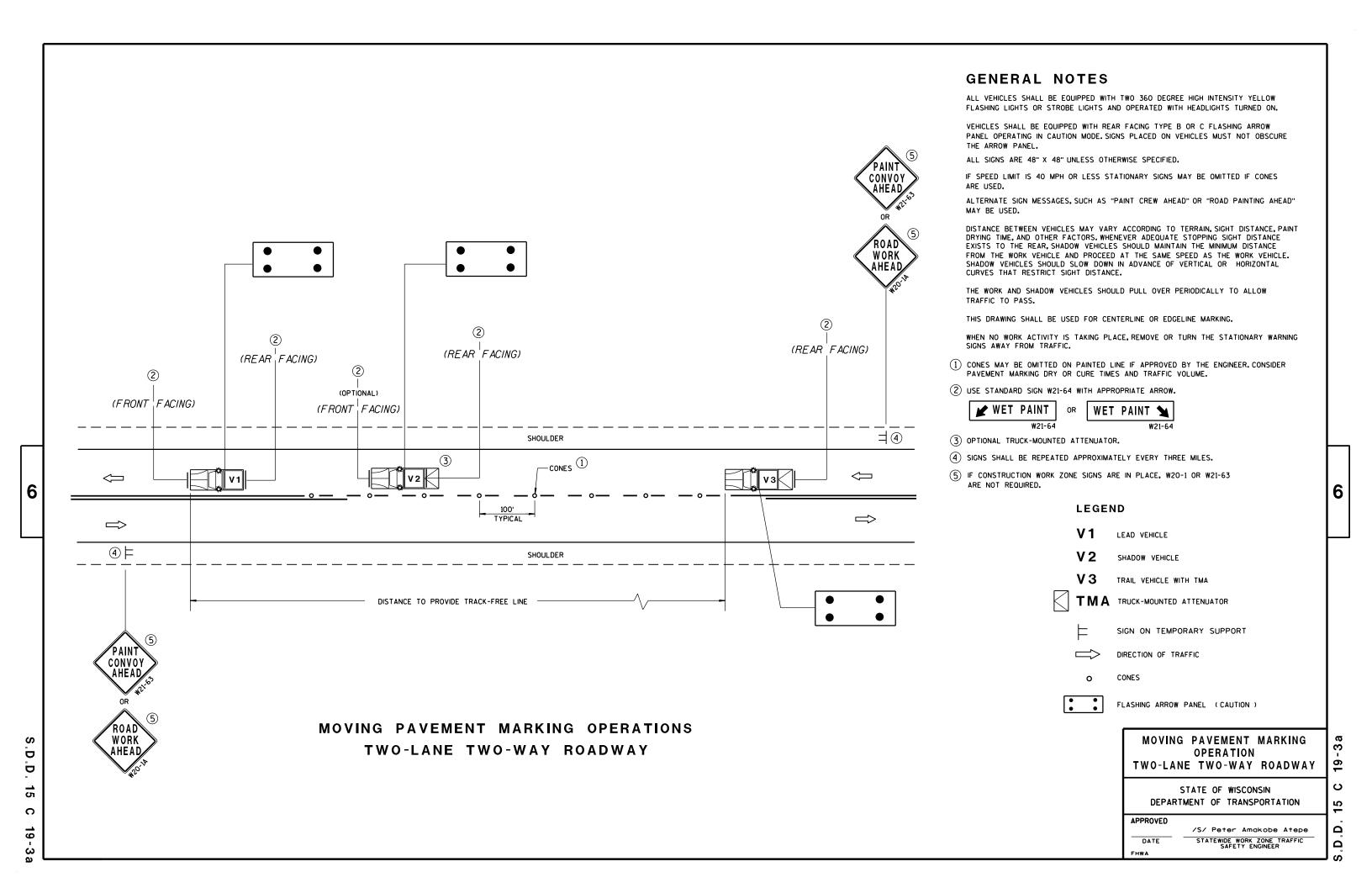
6

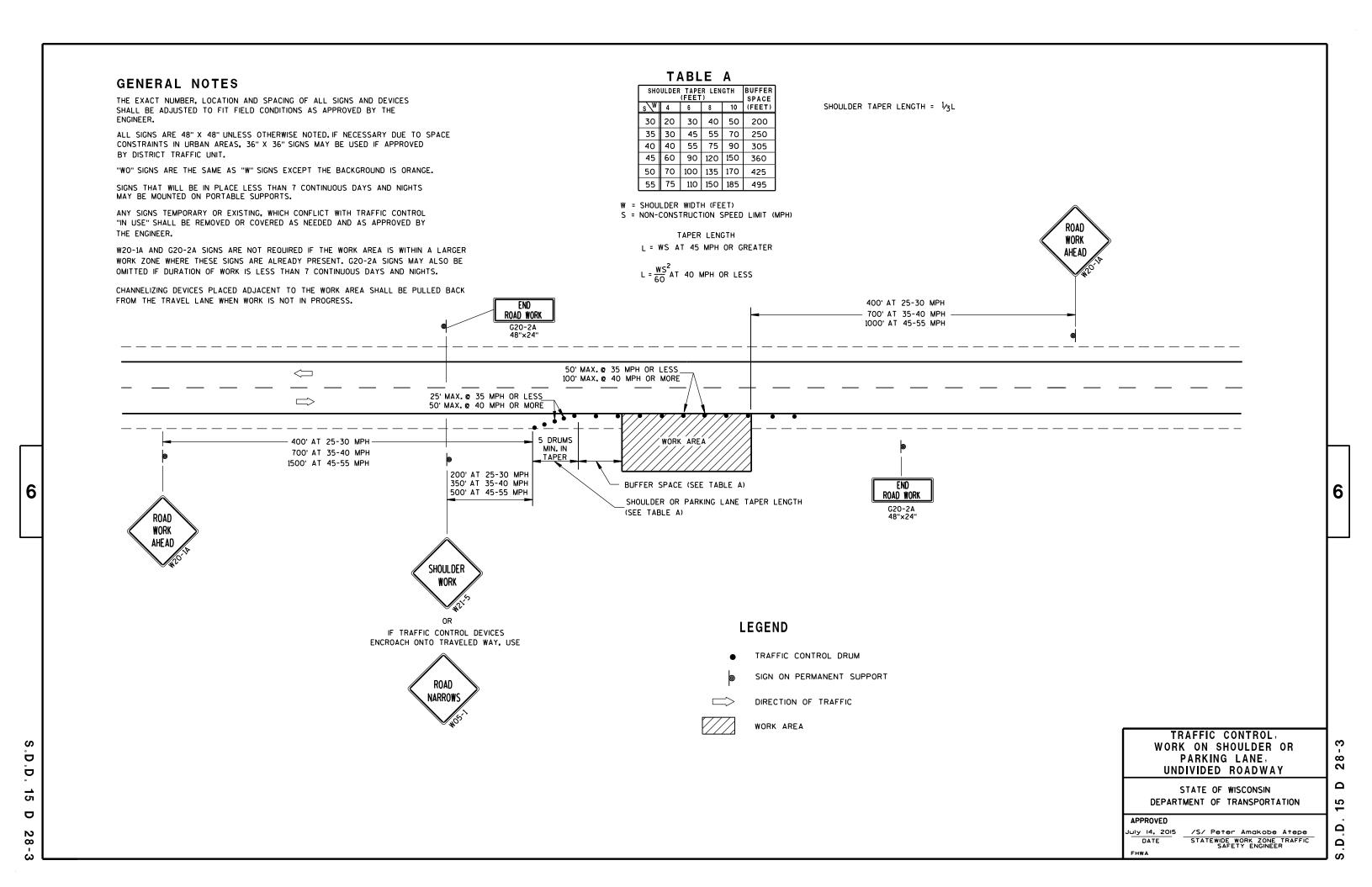
4

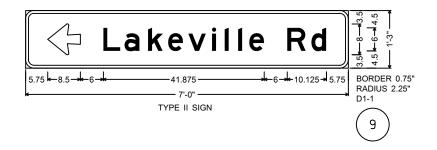
SAFETY ENGINEER

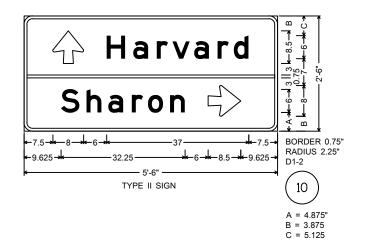


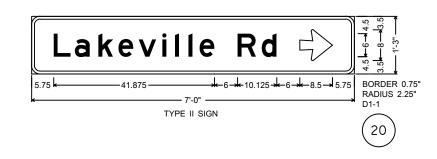


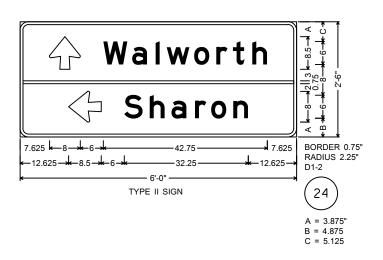






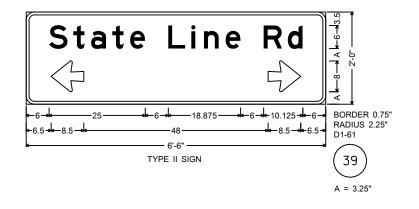


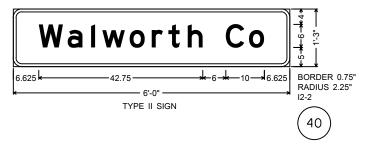




GENERAL NOTES:

- 1. DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE PLANS.
- 2. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET ARE "SIGNS, TYPE II".
- 3. UNLESS OTHERWISE NOTED, TYPE II SIGNS ON THIS SHEET SHALL HAVE "TYPE H REFLECTIVE SHEETING" AND "TYPE H MESSAGE MATERIAL". TYPE I SIGNS SHALL HAVE "TYPE SH REFLECTIVE
- 4. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET SHALL HAVE A GREEN BACKGROUND AND WHITE MESSAGE.
- 5. TYPE II SIGNS ALL UPPERCASE MESSAGE (EXCEPT ON SHIELDS OR WHERE OTHERWISE NOTED) SHALL BE "SERIES E". ALL LOWERCASE MESSAGE WITH AN INITIAL UPPERCASE LETTER SHALL BE "SERIES E".
- 6. TYPE I SIGNS ALL UPPERCASE MESSAGE (EXCEPT ON SHIELDS OR WHERE OTHERWISE NOTED) SHALL BE "SERIES E MODIFIED". ALL LOWER CASE MESSAGE WITH AN INITIAL UPPERCASE LETTER SHALL BE "SERIES E MODIFIED". ALL CAP WORDS ARE "SERIES E".
- 7. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET SHALL HAVE "TYPE A" OR "TYPE C" ARROWS AS SHOWN. SEE THE STANDARD SIGN PLATES FOR FURTHER DETAILS.
- 8. SEE THE STANDARD SIGN PLATES FOR FURTHER DETAILS ON ROUTE MARKER SHIELDS.
- 9. THE SIGN NUMBER IS DENOTED IN THE CIRCLE NEAR EACH DETAIL.
- 10. NUMBER FRACTIONS FOR INTERCHANGE SEQUENCE SIGNS SHALL BE "SERIES E" PER PLATES A11-7 AND A11-10.





SHEET 1 OF 1

PROJECT NO: 3150-11-60

HWY: USH 14

COUNTY: WALWORTH

SIGN DETAIL - TYPE II SIGNS

FILE NAME : N:\PDS\C3D\CAD\31501130\SIGN\60\070101_MS.DWG LAYOUT NAME - 070101_MS

PLOT DATE : 12/16/2015 7:08 AM

PLOT BY : DODGE, BRIAN M

WISDOT/CADDS SHEET

E

SHEET

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 DIAMOND (FOUR POSTS REQUIRED)						
L	E					
168" and greater	12"					

POST EMBEDMENT DEPTH

of Gravel

	ı
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

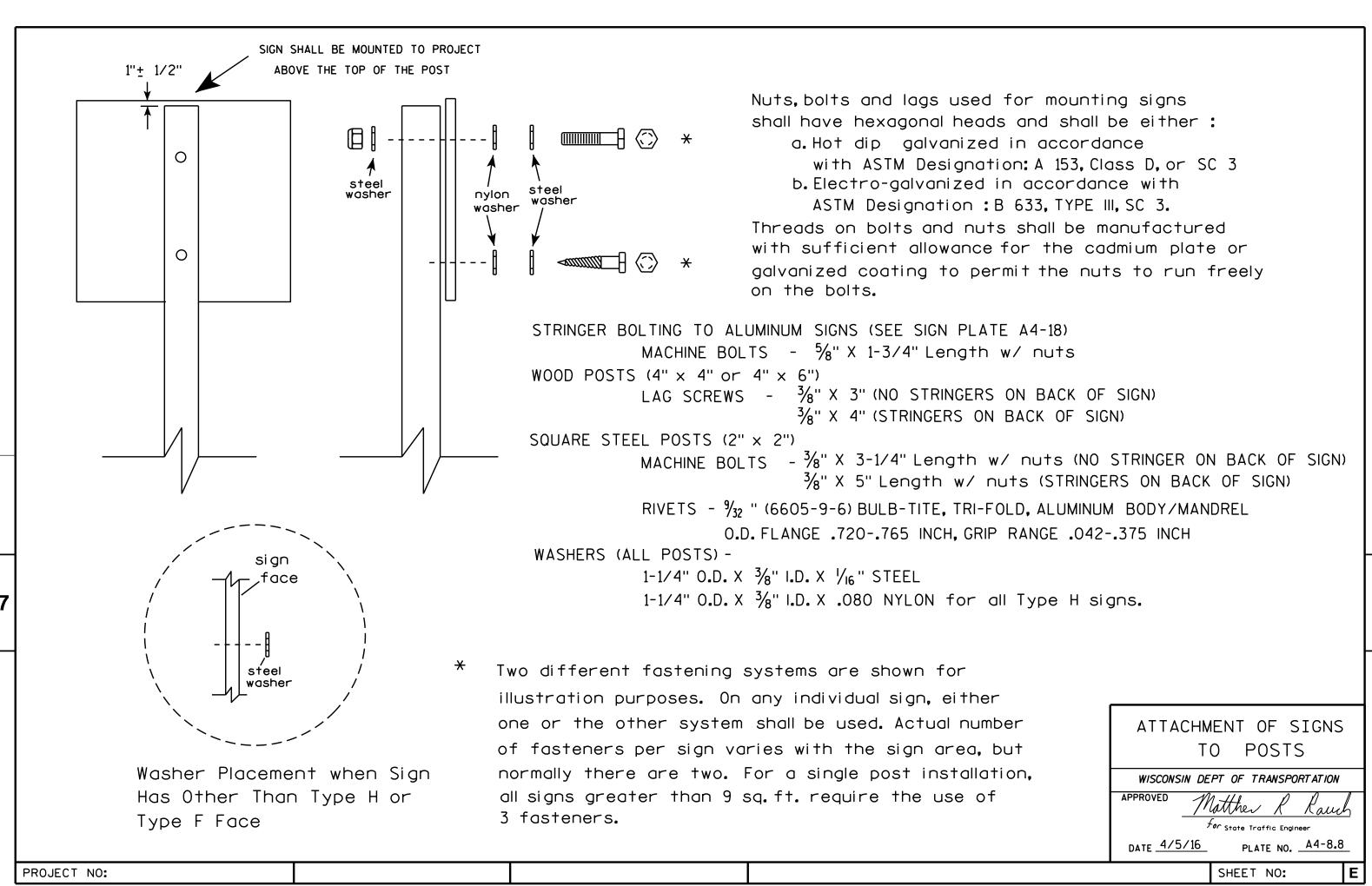
PLOT NAME :

PLOT BY: mscj9h

WISCONSIN DEPT OF TRANSPORTATION APPROVED

For State Traffic Engineer

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





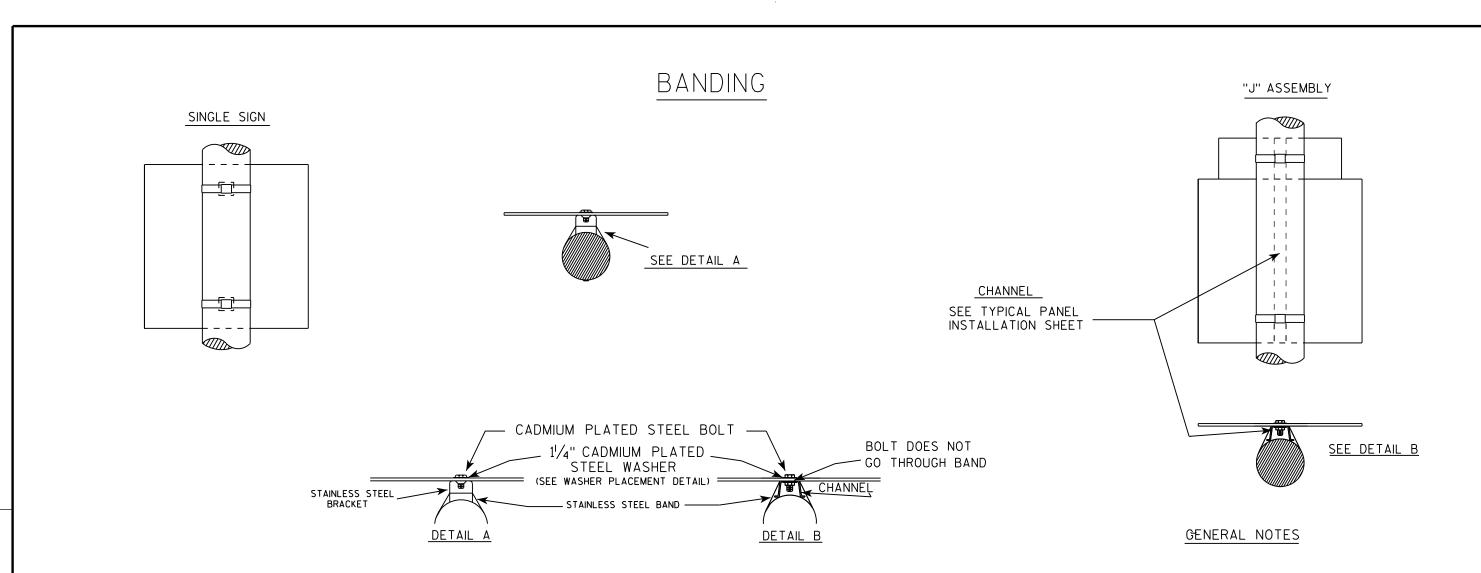
PROJECT NO: HWY: COUNTY: SHEET NO: FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE: 05-FEB-2015 17:09 PLOT BY: mscsja PLOT NAME : PLOT SCALE: 13.659812:1.000000

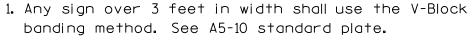
DATE 2/05/15

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

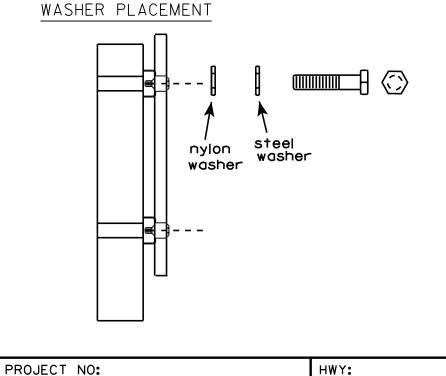
For State Traffic Engineer







- 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.



WASHERS (ALL POSTS) -

COUNTY:

1-1/4" O.D. X3/8" I.D. X1/16" STEEL 1-1/4" O.D. X3/8" I.D. X .080 NYLON FOR ALL TYPE H SIGNS

STANDARD SIGN SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

State Traffic Engineer DATE 8/16/13

SHEET NO:

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

PLOT DATE: 16-AUG-2013 13:27

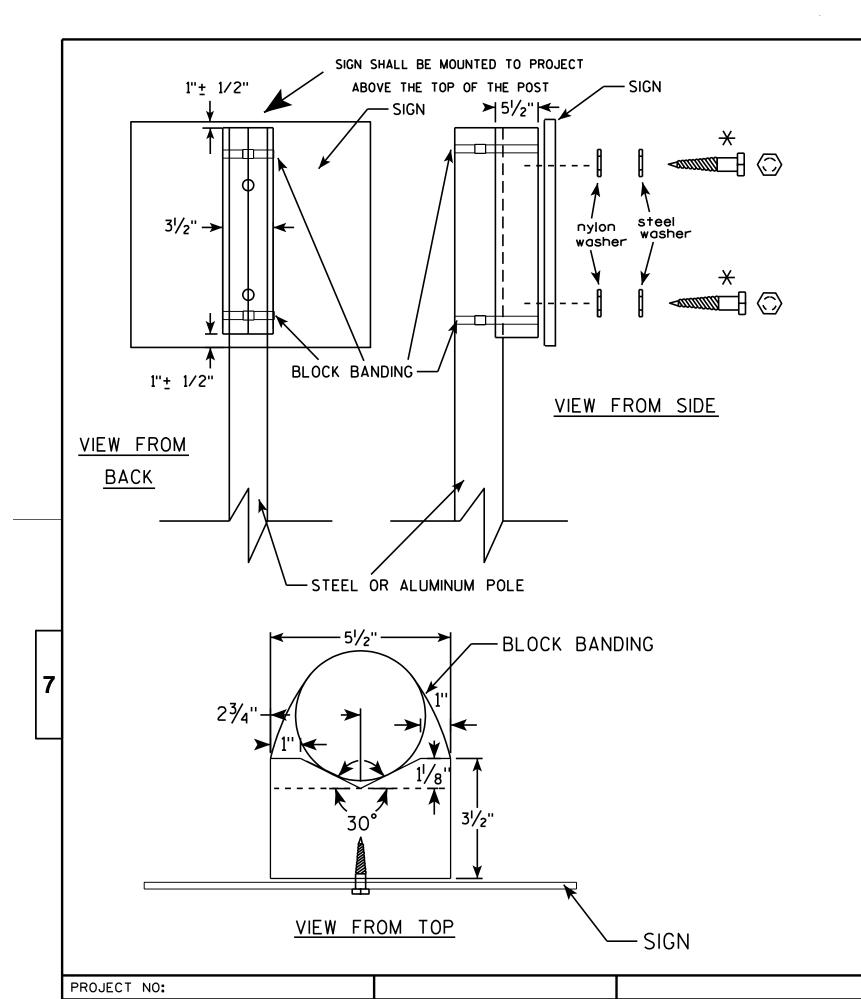
PLOT BY: mscsja

PLOT NAME :

PLOT SCALE: 33.740899:1.000000

WISDOT/CADDS SHEET 42

PLATE NO. A5-9.3



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 $\frac{3}{8}$ " 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 For State Traffic Engineer PLATE NO. <u>A5-10.1</u>

DATE 7/12/07

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 - Blue Message - White - Type H Reflective

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

D12-2A

Metric equivalent for this sign is:

SIZE 1200 mm X 525 mm 1500 mm X 1050 mm 3 4 1500 mm X 1050 mm

* Variable (See note 5)

5 1950 mm X 1350 mm SIZE Α В С D 1/2 2 3/4 2 3/4 12 1/8 9 3/8 2 1 1/8 10 1/4 3/4 7 3/4 10 5/8 48 21 | 1 1/2 3 3 1/2 7.0 0.63 3/4 24 1/8 18 5/8 3 7/8 2 1/8 20 1/8 1 10 3/8 13 3/8 42 2 1/4 6 17.5 1.58 60 3 24 1/8 18 5/8 3 7/8 2 1/8 20 1/8 1 10 3/8 13 7/8 60 42 2 1/4 3/4 6 17.5 | 1.58 5 30 \\ \ 23 \\ \ 4 \\ \ 2 \\ 8 \ 26 \\ \ 8 \ 1 \\ 2 78 54 8 10 15 1/2 21 1/4 29.25 2.63 PROJECT NO:

STANDARD SIGN D12-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

PLATE NO. _D12-2A.3

SHEET NO:

FILE NAME : C:\Users\Projects\tr_stdplate\D122A.DGN

PLOT DATE: 28-SEP-2005 13:19

PLOT BY : DOTDZK

WISDOT/CADDS SHEET 42

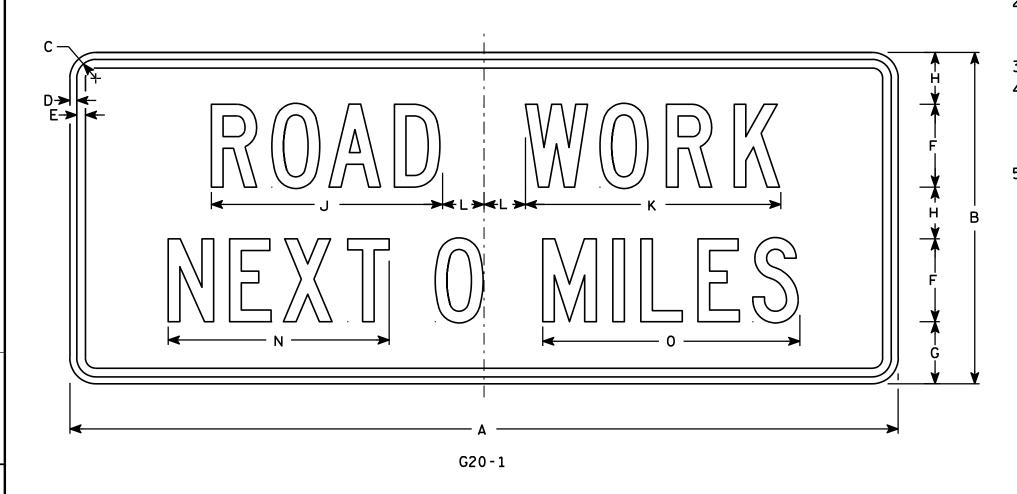
NOTES

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

PLOT NAME :

Background - Orange Message - Black

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



Metric equivalent for this sign is:

PROJECT NO:

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

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

COUNTY:

STANDARD SIGN G20-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

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

SHEET NO:

PLOT BY : DITJPH

PLOT DATE: 12-OCT-2005 17:02

PLOT SCALE: 6.954307:1.000000

WISDOT/CADDS SHEET 42

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

HWY:

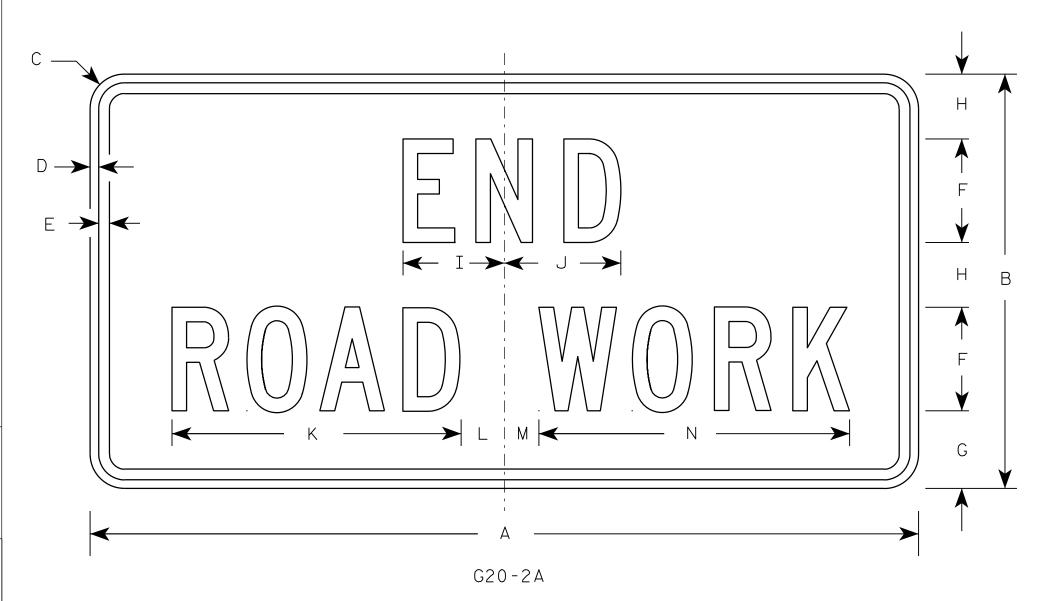
NOTES

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
- 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					
1	900	mm	Χ	450	mm
2	1200	mm	Х	600	mm
3	1200	mm	Х	600	mm
4	1200	mm	Χ	600	mm
5	1200	mm	Χ	600	mm

PROJECT NO:

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 3/4	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 3/4	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 3/4	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 3/4	2 1/2	1 3/4	18 1/2							·						8.0	0.72

COUNTY:

STANDARD SIGN G20-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthe

For State

DATE 9/30/09

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:

PLOT DATE: 30-SEP-2009 09:31

PLOT BY : ditjph

PLOT NAME :

PLOT SCALE: 5.561773:1.000000

WISDOT/CADDS SHEET 42

Ε

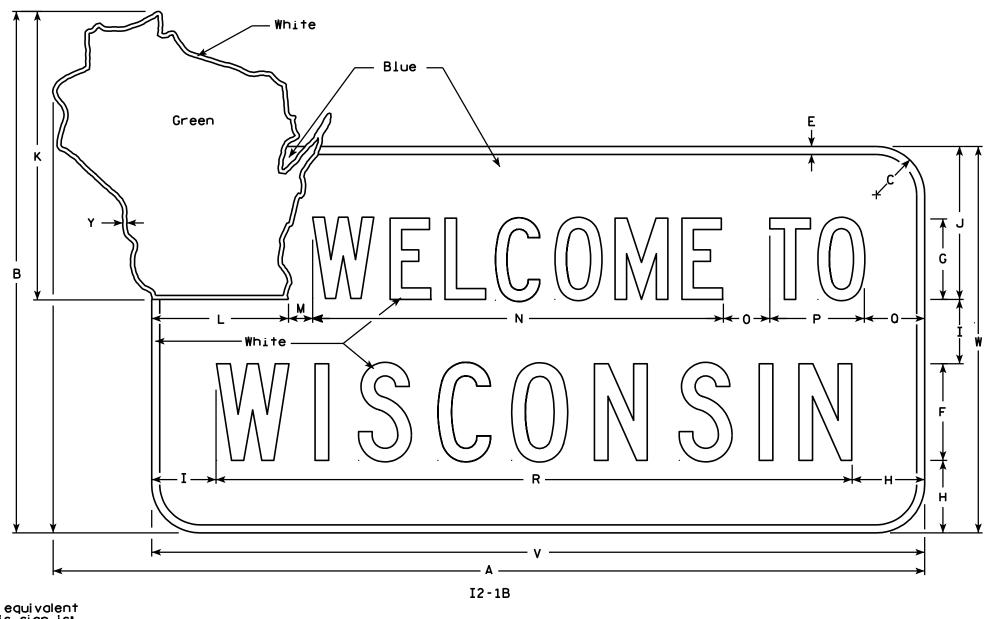


- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - As Noted

Message - As Noted - 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. The State Cutout is a scaled reproduction of State Outline.



Metric equivalent for this sign is:

1 2 2750 mm x 1650 mm 3 4 5

PROJECT NO:

*Combination of state cutout and main sign board.

SIZE	Α	В	С	D	Ε	F	G	Н	I	J	К	L	М	N	0	Р	0	R	S	Т	U	٧	₩	X	Y	Z	Area sq. ft.	Area sq. m.
1																												
2	108 1/2	65	6		1	12	10	9	8	19	36	17	3	51	5 3/4	11 3/4	7 1/2	79				96	48		1/2		41.0*	3.81
3																												
4																												
5																												

COUNTY:

STANDARD SIGN

I2-1B

WISCONSIN DEPT OF TRANSPORTATION

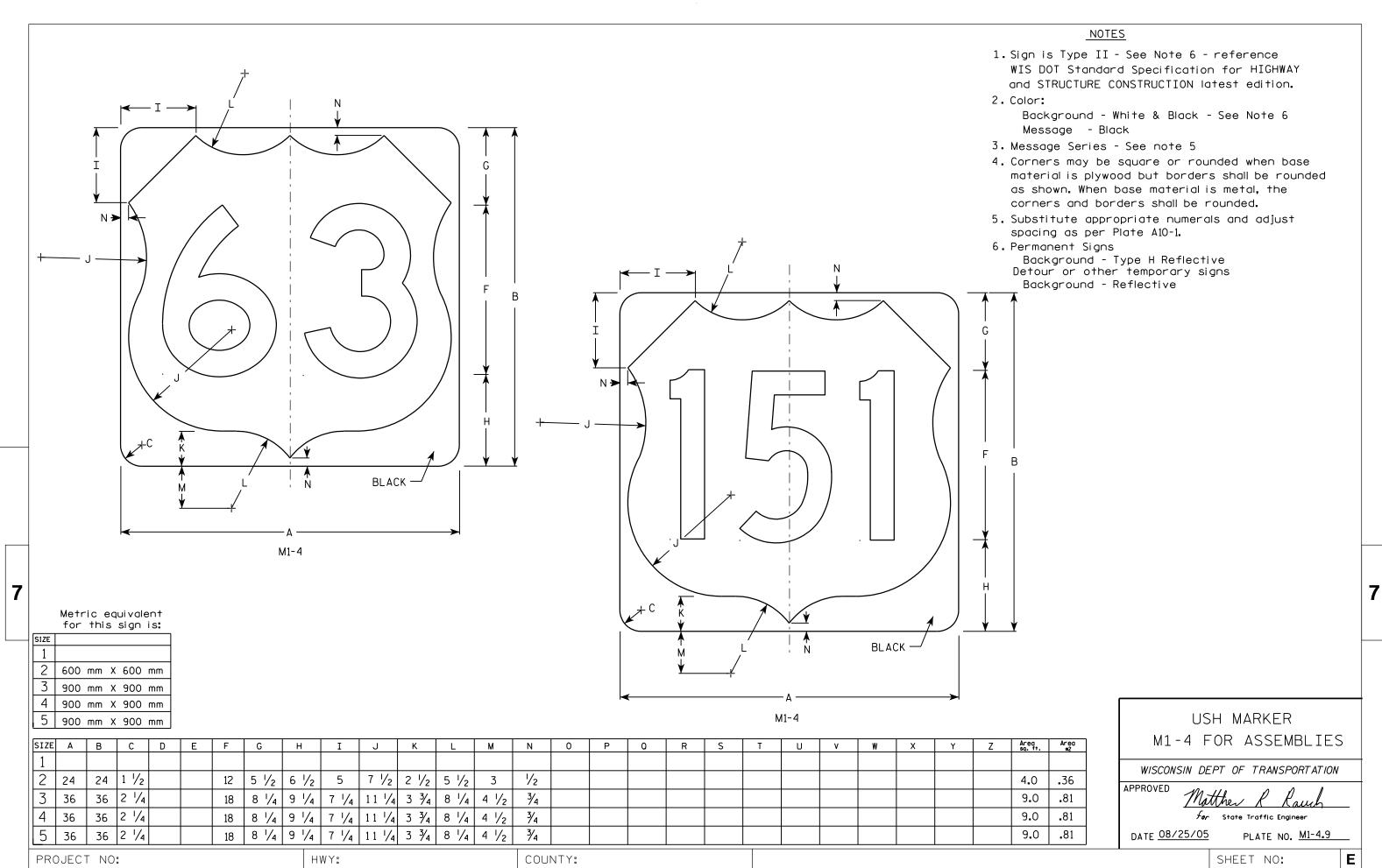
APPROVED -

DATE 1/24/02 PLATE NO. I2-1B.4

SHEET NO:

SHEET NO:

HWY:



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

PLOT DATE: 13-OCT-2005 14:52

PLOT NAME :

PLOT BY : DITJPH

PLOT SCALE: 5.960833:1.000000

- 1. Sign is Type II See Note 6 reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - White & Black - See Note 6 Message - Black

- 3. Message Series See note 5
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Substitute appropriate Series numerals and adjust spacing as per plate A10-1.
- 6. Permanent Signs
 Background Type H Reflective
 Detour or temporary Signs
 Background Reflective

BLACK	↑ G → ↑ F → → ↑ → → → → → → → → → →
Metric equivalent for this sign is:	

HWY:

900 mm X 900 mm

5 900 mm X 900 mm

PROJECT NO:

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

COUNTY:

STATE ROUTE MARKER
M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

The state Traffic Engineer

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

SHEET NO:

PLOT NAME :







MP3-1









HWY:



NOTES

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

Background - See note 5 Message - See note 5

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

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

MB3-1 thru MB3-4 Background - Blue

Message - White

MK3-1 thru MK3-4 Background - Green

Message - White

MM3-1 thru MM3-4 Background - White

Message - Green

MN3-1 thru MN3-4 Background - Brown

Message - White

MP3-1 thru MP3-4 Background - White

Message - Blue

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

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	0	R	S	Т	U	V	W	Х	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 1/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

COUNTY:

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

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

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

Ε

SHEET NO:

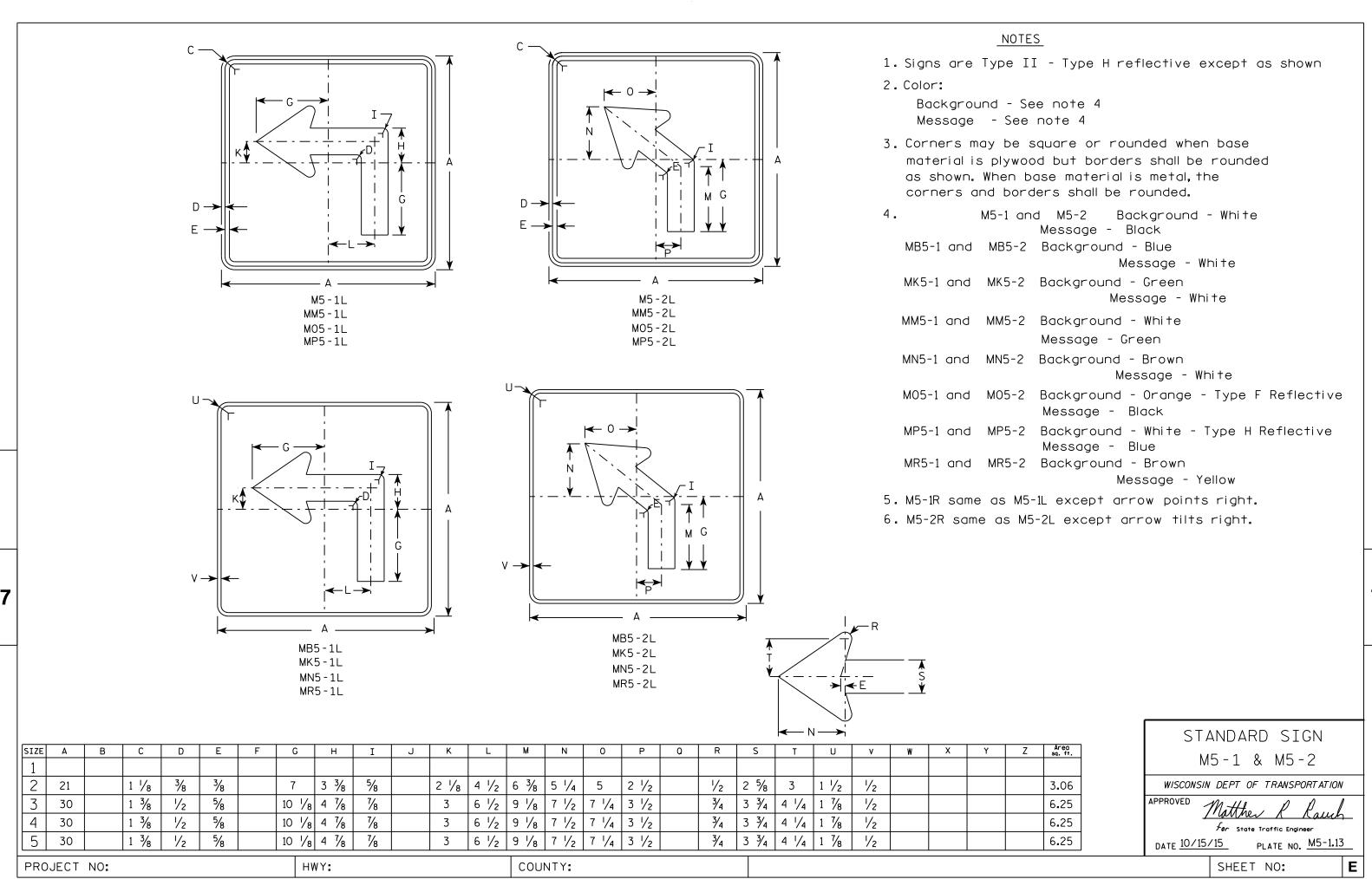
FILE NAME · C·\CAFfiles\Projects\tr stdolote\M31 DCN

PROJECT NO:

PLOT DATE . 01-DEC-2015 17:54

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

PLOT SCALE . 11 675051.1 000000



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 :

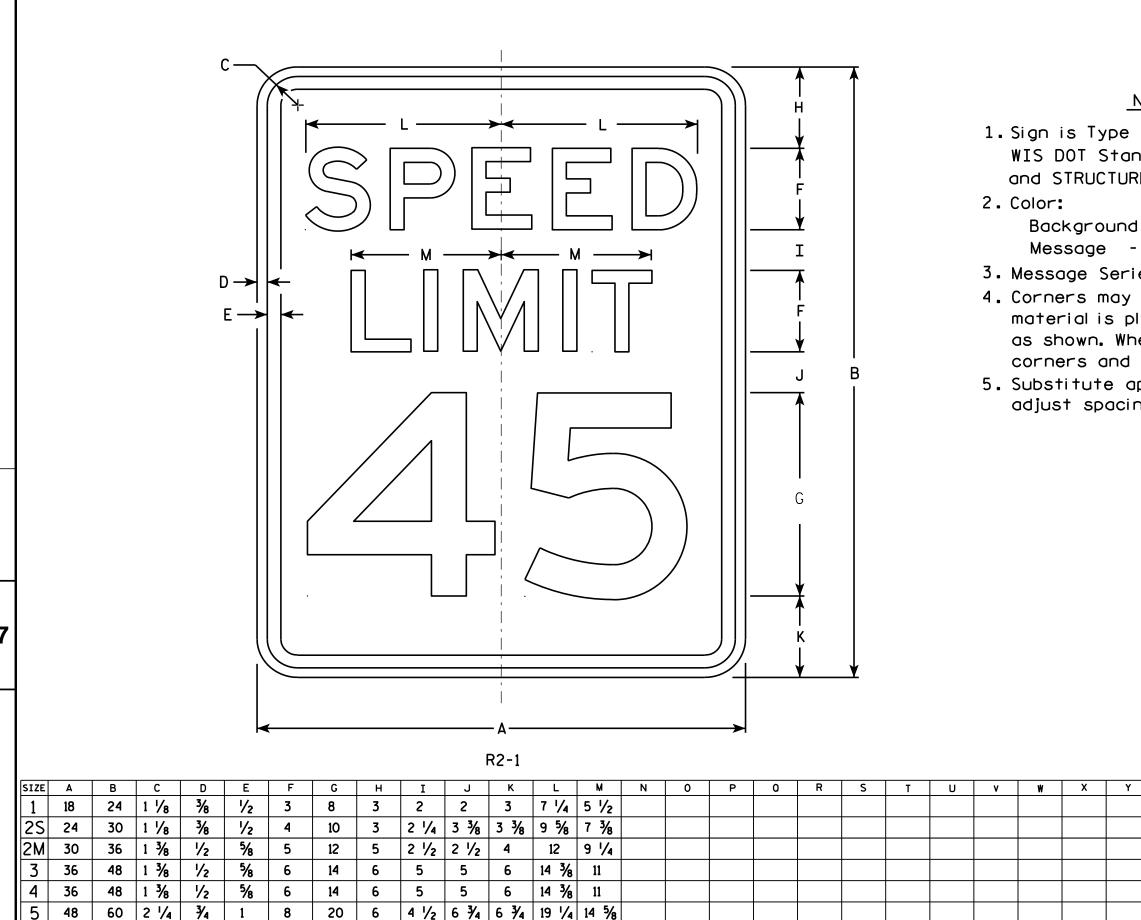
PLOT SCALE . 11 675051.1 000000

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

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

PLOT DATE . 01-DEC-2015 18:07

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



COUNTY:

NOTES

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

Background - White Message - Black

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

3.0

5.0

7.5

12.0

12.0

20.0

STANDARD SIGN R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matther R Raus

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

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R21.DGN

PROJECT NO:

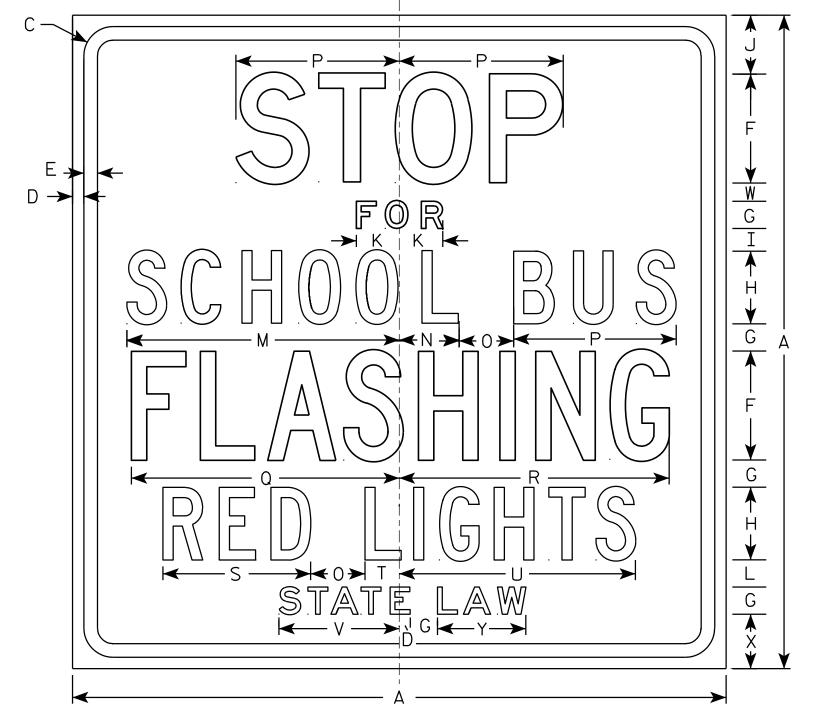
HWY:

PLOT DATE: 28-MAY-2010 08:32

PLOT BY : ditjph

PLOT NAME :

PLOT SCALE: 4.717577:1.000000



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

Background - White Message - 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	С	D	E	F	G	H	I	J	К	L	М	N	0	Р	0	R	S	Т	U	V	W	X	Y	Z	Area sq. ft.
1																											
25	36		1 5/8	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 1/8	8 1/8	1 1/8	13	6 %	1	3	4 1/8		9.0
2M	36		1 5/8	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 1/8	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

Matthew R Rauch

For State Traffic Engineer

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

DATE STOCKIE PLATE

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 BY: mscj9h

PLOT NAME :

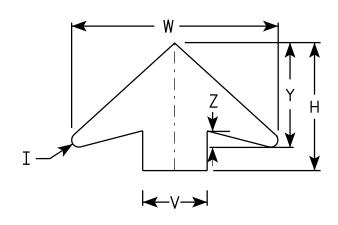
PLOT SCALE: 5.287650:1.000000

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

*Speed Limit Sign shall have a White Background



ARROW DETAIL

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

STANDARD SIGN W3-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch

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

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W35.DGN

PROJECT NO:

PLOT DATE: 29-MAY-2012 10:52

PLOT BY: mscsja

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

Background - Yellow Message - Black

- 3. Message Series B (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. Highway Number usually Series D. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

W4-4C * VARIES

Areo sq. ft. SIZE A D Ε G Н 0 Q S Ζ J K ٧ W 2 1/4 | 1 1/2 | 10 3/8 | 1 1/2 | 3 1/8 | 6 1/4 | 2 1/4 | 2 1/4 | 6 1/4 1 1/8 2.0 24 2 1/4 | 1 1/2 | 10 3/8 | 1 1/2 | 3 1/8 | 6 1/4 | 2 1/4 | 2 1/4 | 6 1/4 24 2.0 1 1/8 3 1/2 36 15 1 1/8 3.75 17 1/4 3 1/8 5 1/8 10 1/2 3 7/8 3 7/8 10 3/8 4 42 1 1/8 | 3/8 1/2 5 5.25 18 5

COUNTY:

WISCONSIN DEPT OF TRANSPORTATION

for State Traffic Engineer

STANDARD SIGN

W4-4C

DATE 03/12/13

PLATE NO. W4-4.2 SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W44C.DGN

PROJECT NO:

HWY:

PLOT DATE: 12-MAR-2013 11:39

PLOT BY: mscsja

PLOT NAME :

PLOT SCALE: 5.334037:1.000000



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

Background - Yellow Message - Black

- 3. Message Series 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.

W4-4P

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Areo sq. 11.
1																											
25	24	12	1 1/8	3/8	3/8	3	2 1/4	1 1/2	8	1 1/2	3/8	10	6 1/4	2 1/4	2 1/4	6 1/4											2.0
2M	24	12	1 1/8	3/8	3/8	3	2 1/4	1 1/2	8	1 1/2	3/8	10	6 1/4	2 1/4	2 1/4	6 1/4											2.0
3	36	15	1 1/8	3⁄8	1/2	4	2 5/8	1 3/4	10 ¾	2 3/8	3/8	13 1/2	8 3/8	3	3 1/8	8 3/8											3.75
4	42	18	1 1/8	3/8	1/2	5	3	2	13 3/8	3 1/8	3/8	16 1/8	10 1/2	3 %	3 %	10 3/8											5.25
5																											

STANDARD SIGN W4-4P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED /

For State Traffic Engineer

DATE 03/12/13

PLATE NO. <u>W4-4P.2</u>

HWY:

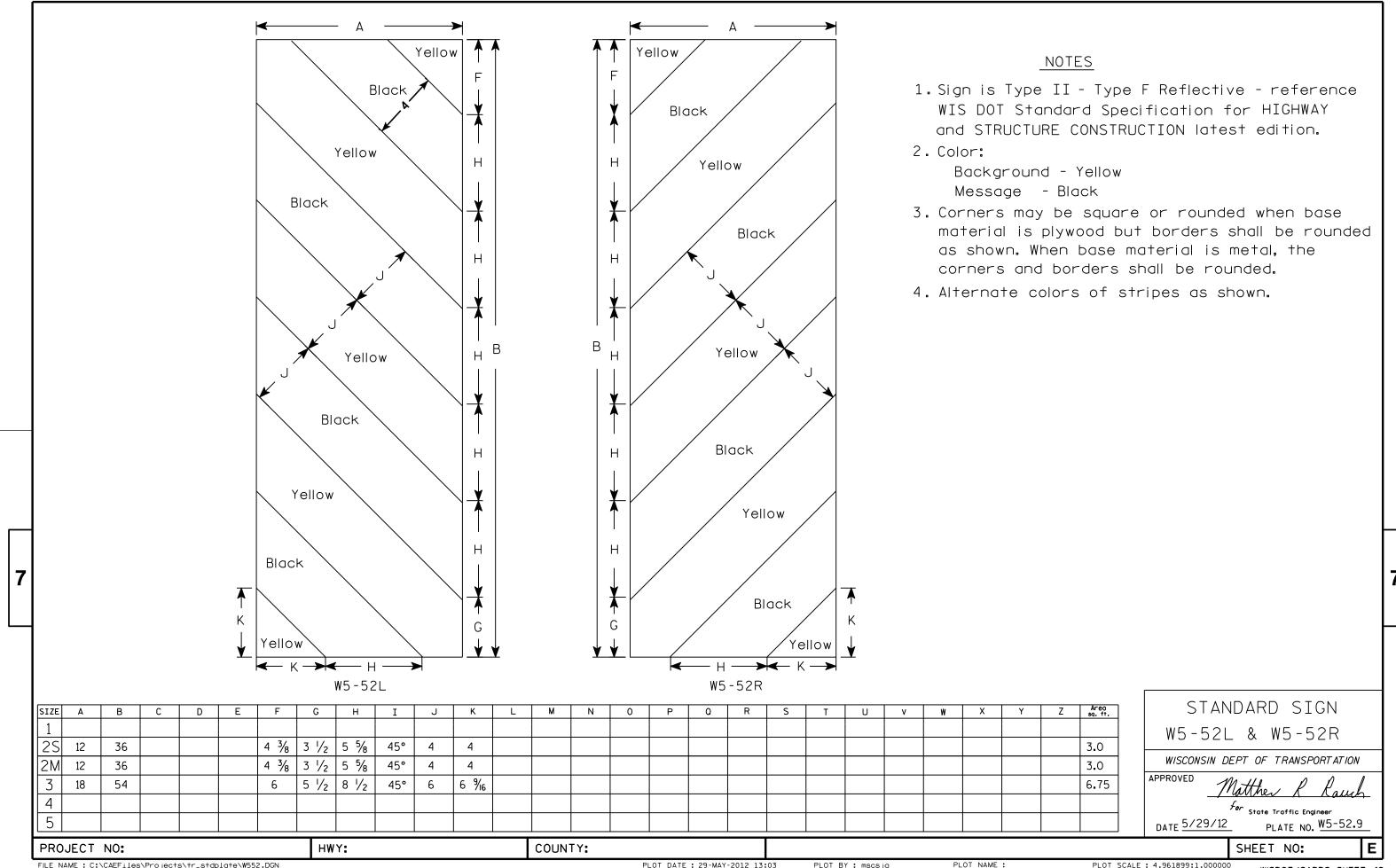
COUNTY:

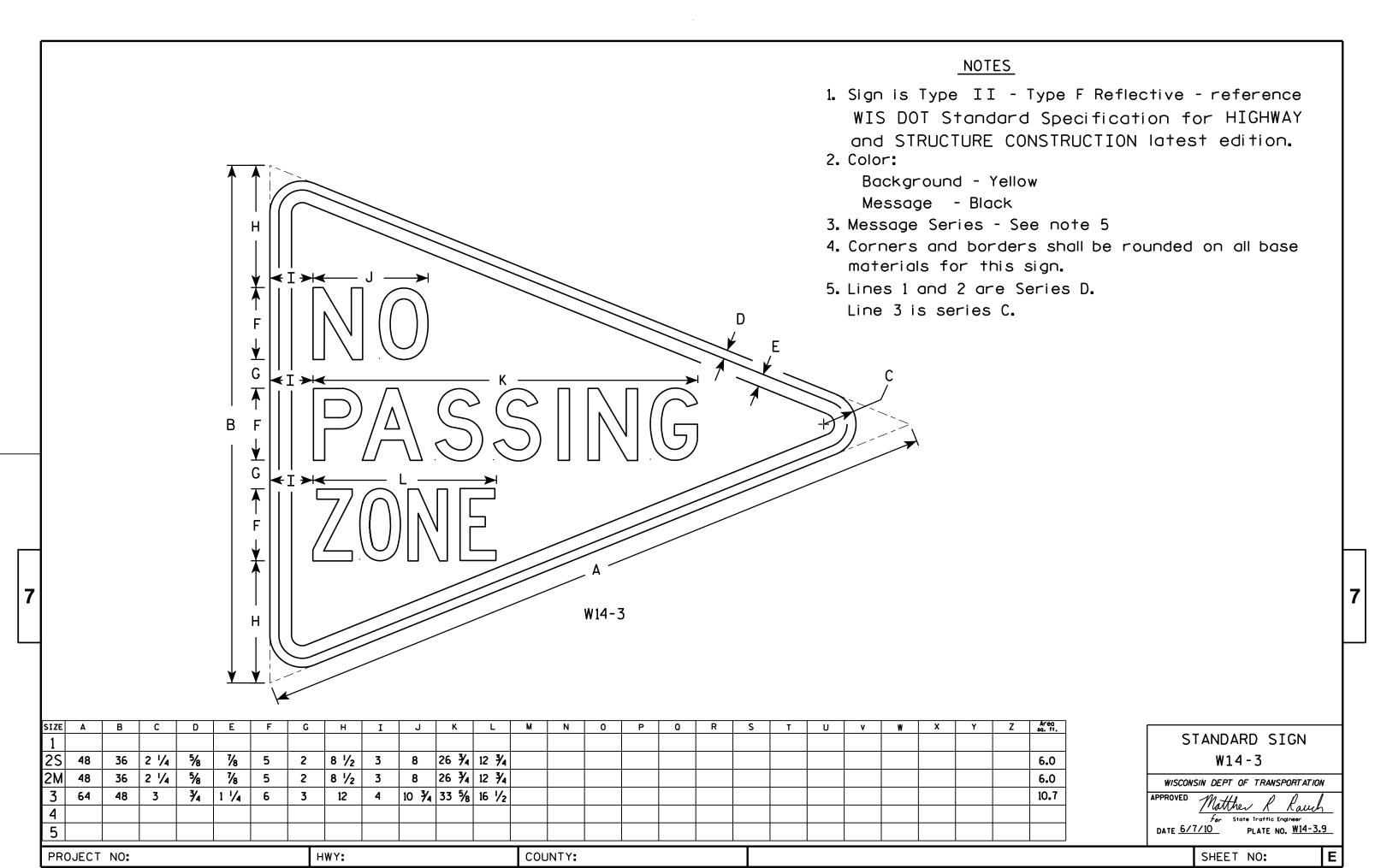
PLOT BY: mscsja

PLOT SCALE: 5.458200:1.000000

SHEET NO:

PROJECT NO:





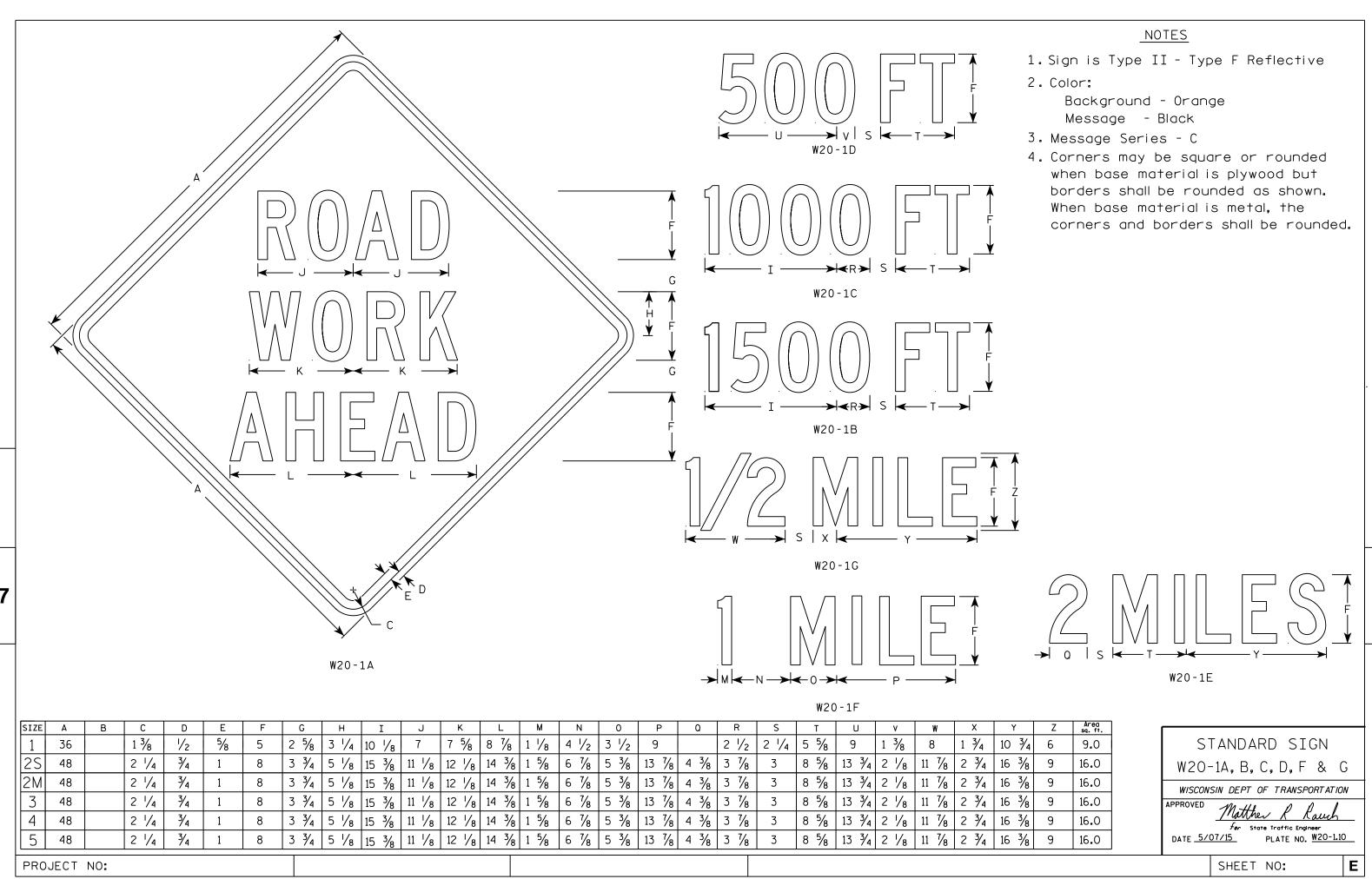
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W143.DGN

PLOT DATE: 07-JUN-2010 13:11

PLOT BY : ditjph

PLOT NAME :

PLOT SCALE: 5.710749:1.000000



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

PLOT DATE . 01-DEC-2015 18.24

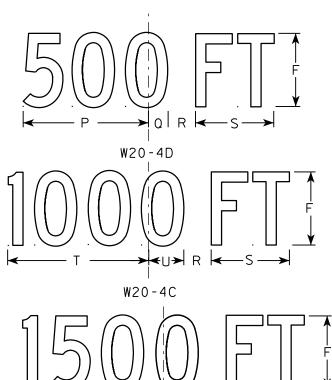
PIOT RY * \$\$ plotuser \$\$

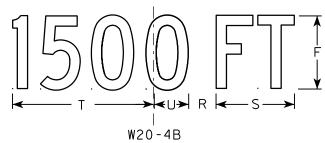


- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

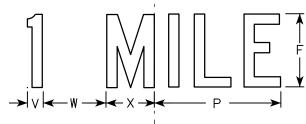
Background - Orange Message - Black

- 3. Message Series 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.









PLOT BY: mscj9h

								W2	O-4A													W20-4	1 F				
SIZE	Α	В	B C D E F G H I J K L M N O P 1 \(^{5}\)8 \(^{5}\)8 \(^{3}\)4 \(^{5}\) 5 \(^{2}\)3\(^{8}\)8 \(^{6}\) 3 \(^{3}\)4 \(^{10}\)3\(^{8}\)2 \(^{3}\)8 \(^{8}\)8 \(^{13}\)\(^{1}\)2 \(^{7}\) 8 \(^{8}\)8 \(^{9}\) 2 \(^{1}\)4 \(^{3}\)4 \(^{1}\)4 \(^{1}\)7 \(^{3}\)1\(^{8}\)8 \(^{8}\)5 \(^{1}\)4 \(^{14}\)5\(^{8}\)8 \(^{1}\)7 \(^{3}\)4 \(^{10}\)5\(^{8}\)17 \(^{3}\)4 \(^{9}\)3\(^{4}\)4 \(^{12}\)5\(^{8}\)12 \(^{2}\)4 \(^{3}\)4 \(^{1}\)4 \(^{3}\)4 \(^{1}\)4 \(^{5}\)8 \(^{1}\)7 \(^{3}\)4 \(^{9}\)3\(^{4}\)4 \(^{12}\)5\(^{8}\)8 \(^{12}\)5 \(^{12}\)5\(^{12}\)5\(^{12}\)5\(^{12}\)5\(^{12}\)7 \(^{12}\)5\(^{12}\)7 \(^{12}														0	R	S	Т	U	V	W	Х	Υ	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	2 3/8	6	3 3/4	10 3/8	2 3/8	8	13 ½	7	8 %	9	1 3/8	1 1/8	5 %	10 1/8	2 1/2	1 1/8	4 ½	3 ½	10 ¾	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 %	17 3/4	9 3/4	12 5/8	12	1 1/8	2 %	7 1/2	13 ½	3 %	1 1/2	6	4 %	14 3/8	2 3/8	16.0
2M	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 %	17 3/4	9 3/4	12 5/8	12	1 1/8	2 %	7 1/2	13 ½	3 3/8	1 1/2	6	4 %	14 3/8	2 3/8	16.0
3	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 %	17 3/4	9 3/4	12 5/8	12	1 1/8	2 %	7 1/2	13 ½	3 %	1 1/2	6	4 %	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 %	17 3/4	9 3/4	12 5/8	12	1 1/8	2 5/8	7 1/2	13 ½	3 3/8	1 1/2	6	4 %	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 5/8	17 3/4	9 3/4	12 5/8	12	1 1/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 %	14 3/8	2 3/8	16.0

W20-4A

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

WISCONSIN DEPT OF TRANSPORTATION

APPROVED State Traffic Engineer

DATE 3/18/11

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W204.DGN

PROJECT NO:

PLOT DATE: 18-MAR-2011 12:11

WISDOT/CADDS SHEET 42

PLATE NO. W20-4.9

Ε

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

Background - Orange Message - Black

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

A	C H
	W20-7A

HWY:

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	Т	U	٧	W	×	Y	Z	Area sq. ft.
1	36		1 1/8	5/8	₹4		2 3/4	13 1/2	14 %																		9.00
2S	48		2 1/4	3/4	1		3 3/4	18	19 1/2																		16.00
2M	48		2 1/4	3/4	1		3 3/4	18	19 1/2																		16.00
3	48		2 1/4	3/4	1		3 3/4	18	19 1/2																		16.00
4	48		2 1/4	¾	1		3 3/4	18	19 1/2																		16.00
5	48		2 1/4	3/4	1		3 3/4	18	19 1/2		·								·		·						16.00

COUNTY:

STANDARD SIGN W20-7A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew & Rawh

For State Traffic Engineer

DATE _3/18/11 PLATE NO. W20-7A.5

SHEET NO:

PROJECT NO:

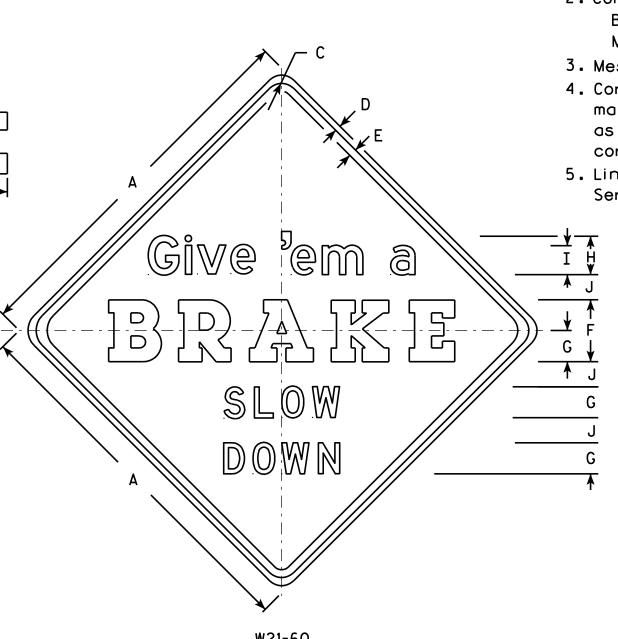
PLOT NAME :



- 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 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 one is Series E. Line two is a Special Graphic Series and Lines three and four are Series D.



W21-60

SIZE	Α	В	С	D	Ε	F	G	Н	I	7	K	L	М	N	0	Р	0	R	S	Т	C	٧	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	5	2 1/2	3 1/8	2 3/8	2	10 3/4	14	4 %														6.25
2S	36		1 %	5/8	3/4	6	3	3 3/4	2 3/4	2 1/2	13	16 ¾	5 ½														9.0
2M	36		1 %	5/8	3/4	6	3	3 3/4	2 3/4	2 1/2	13	16 ¾	5 1/2														9.0
3	48		2 1/4	3/4	1	8	4	5	3 3/4	3 1/4	17 1/4	22 ¾	7 1/2														16.0
4																											
5																											

COUNTY:

STANDARD SIGN W21-60

WISCONSIN DEPT OF TRANSPORTATION

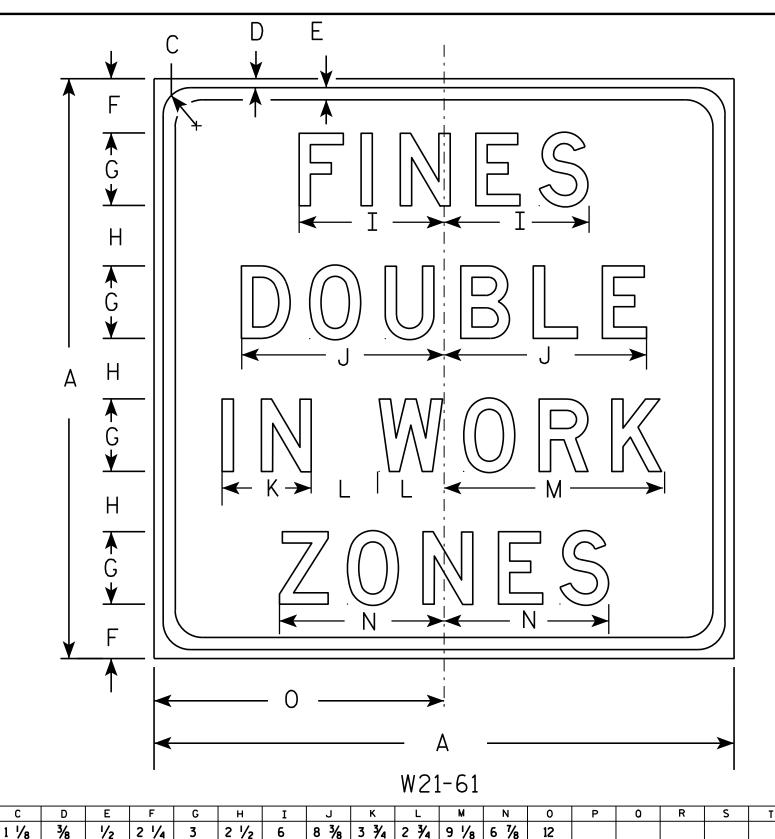
APPROVED Matthew R

 $f_{\it or}$ State Traffic Engineer DATE 3/21/11 PLATE NO. W21-60.4

SHEET NO:

HWY:

PLOT NAME :



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

For State Traffic Engineer
DATE 3/21/11 PLATE NO. W21-61.4

SHEET NO:

PLOT BY: mscj9h

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

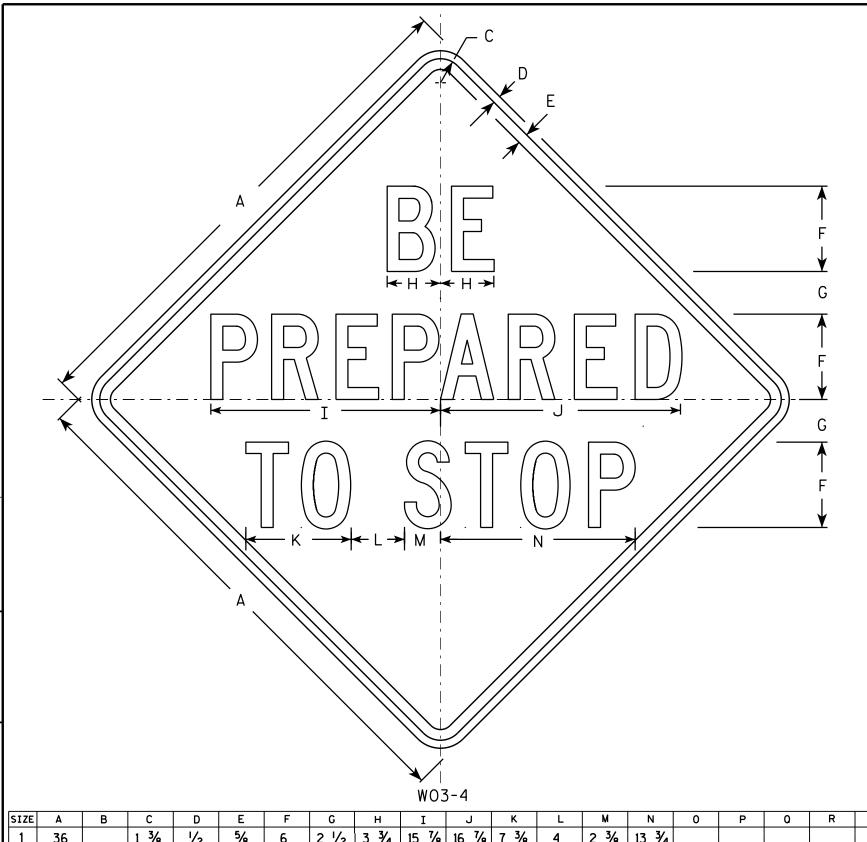
36

36

48

PROJECT NO:

24



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

Background - Orange Message - Black

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

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

COUNTY:

STANDARD SIGN W03 - 4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 12/02/13

PLATE NO. W03-4.1 SHEET NO:

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

HWY:

PROJECT NO:

PLOT DATE: 02-DEC-2013 14:02

PLOT NAME :

WISDOT/CADDS SHEET 42

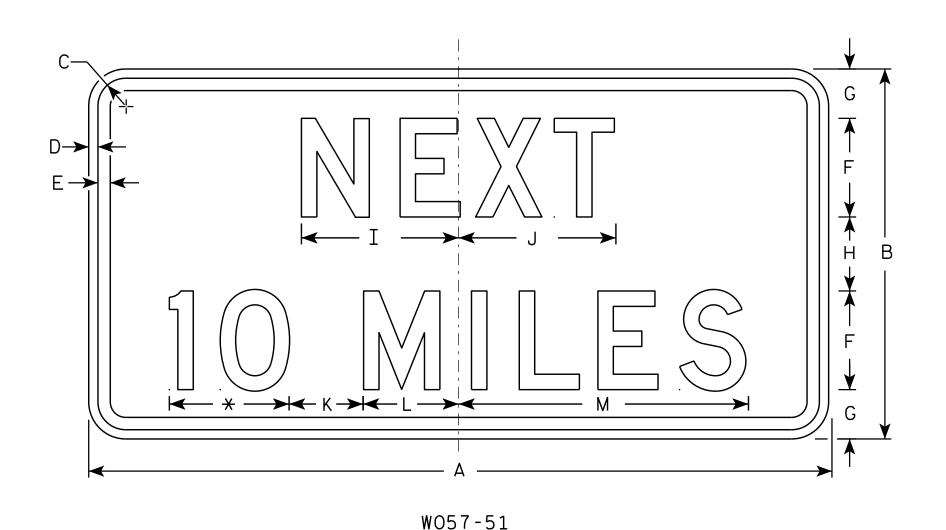
PLOT SCALE: 8.999518:1.000000

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

Background - Orange Message - Black

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

* See note 5



SIZE	Α	В	С	D	E	F	G	Н	T	J	К	L	М	N	0	Р	0	R	S	Т	U	v	w	X	Y	Z	Area sq. ft.
1	36	18	1 1/8	3/8	1/2	5	2 5/8	2 3/4	7 1/8	8	5	4 1/8	15 3/8			-		·				•				_	4.5
2S	48	24	1 3/8	1/2	5/8	6	3 1/2	5	10	10 1/8	6	5 %	19														8.0
2M	48	24	1 3/8	1/2	5/8	6	3 1/2	5	10	10 1/8	6	5 %	19														8.0
3	48	24	1 3/8	1/2	5/8	6	3 1/2	5	10	10 1/8	6	5 %	19														8.0
4	48	24	1 3/8	1/2	5/8	6	3 1/2	5	10	10 1/8	6	5 %	19														8.0
5	48	24	1 3/8	1/2	5/8	6	3 1/2	5	10	10 1/8	6	5 1/8	19														8.0

COUNTY:

STANDARD SIGN W057-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther & Rauch

DATE 11/20/13

13 PLATE NO. W057-51.1

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W05751.DGN

HWY:

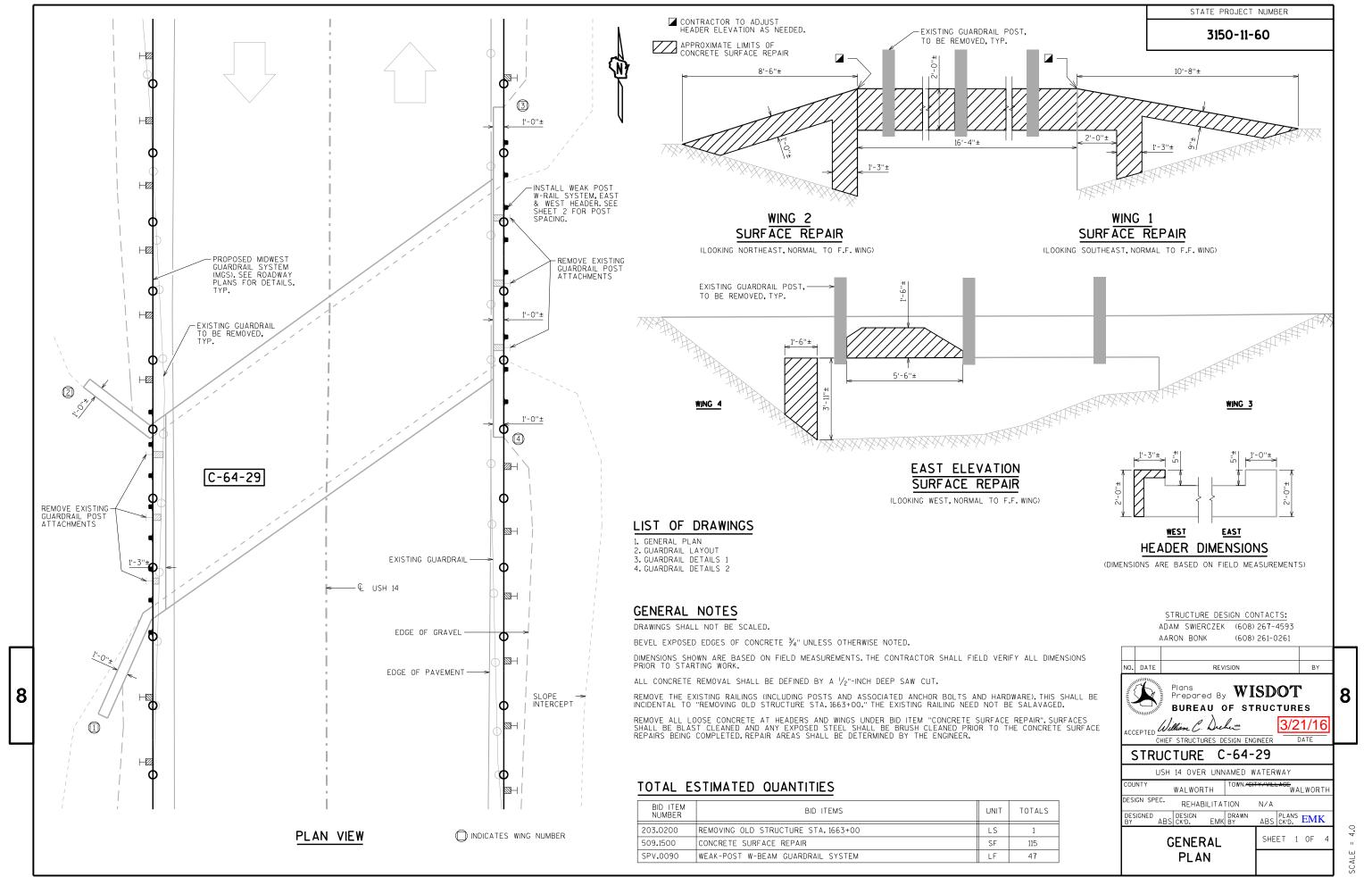
PROJECT NO:

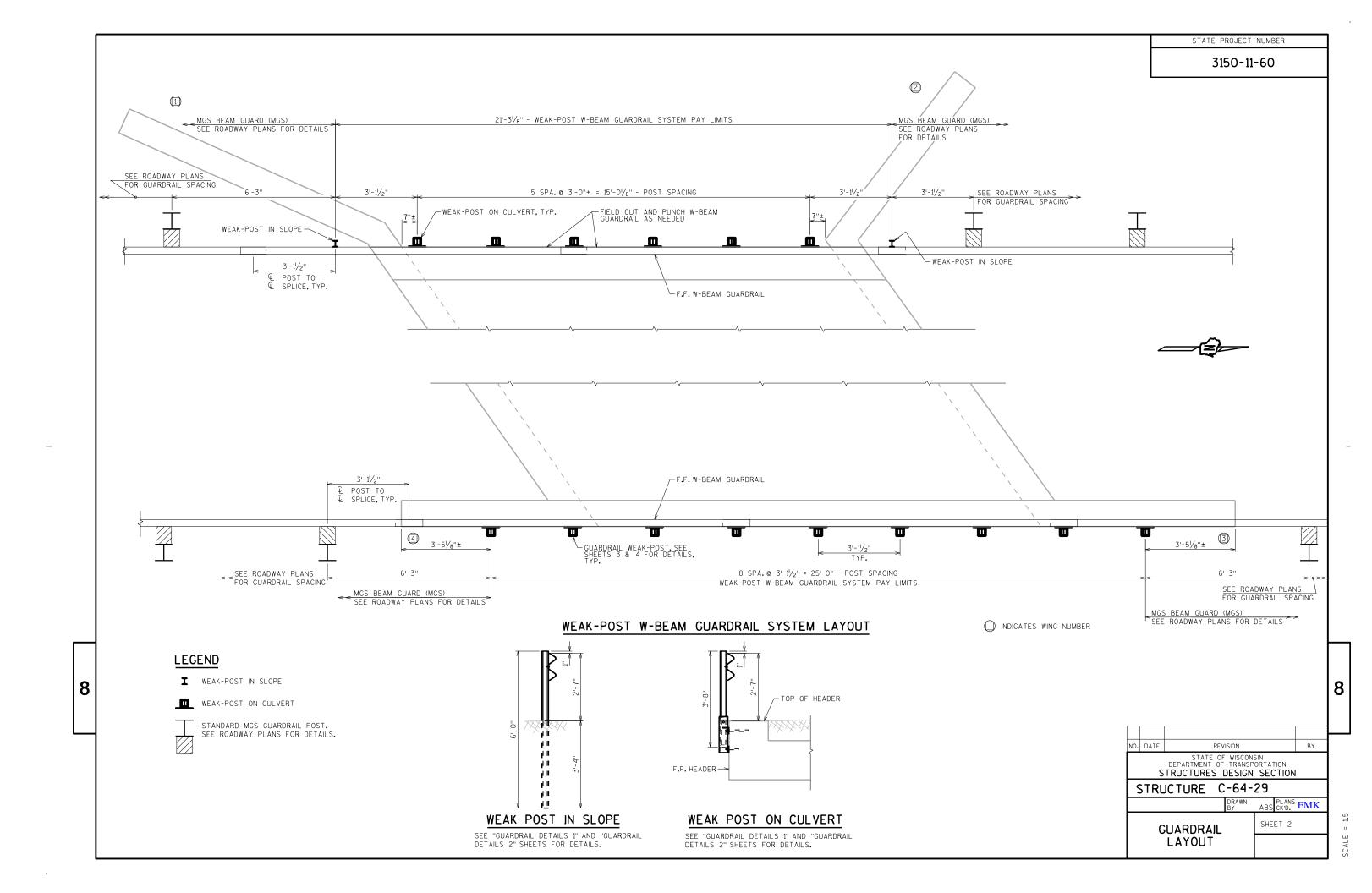
PLOT DATE: 28-FEB-2014 11:42

PLOT NAME :

PLOT BY: mscj9h

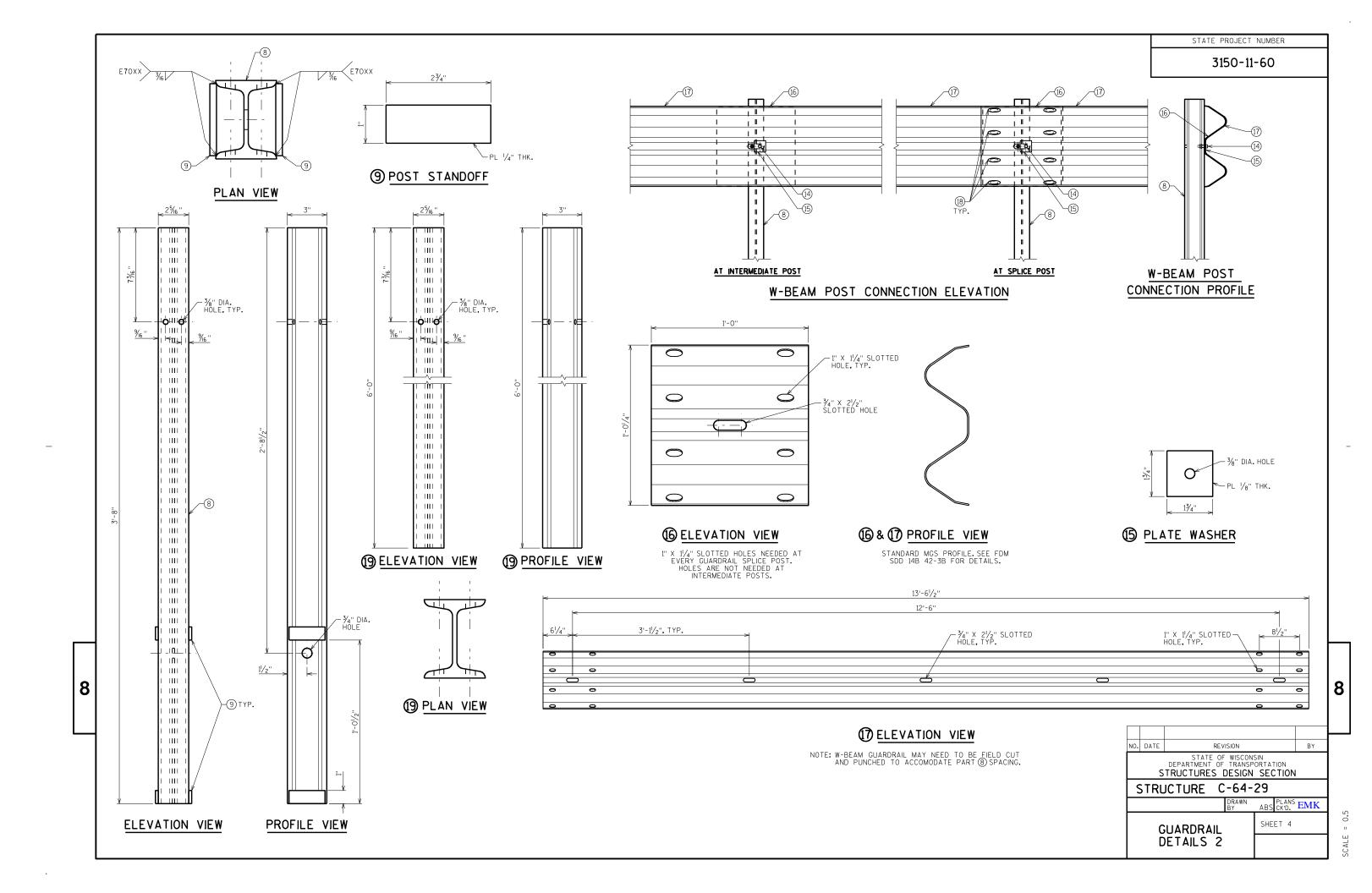
PLOT SCALE: 3.891684:1.000000

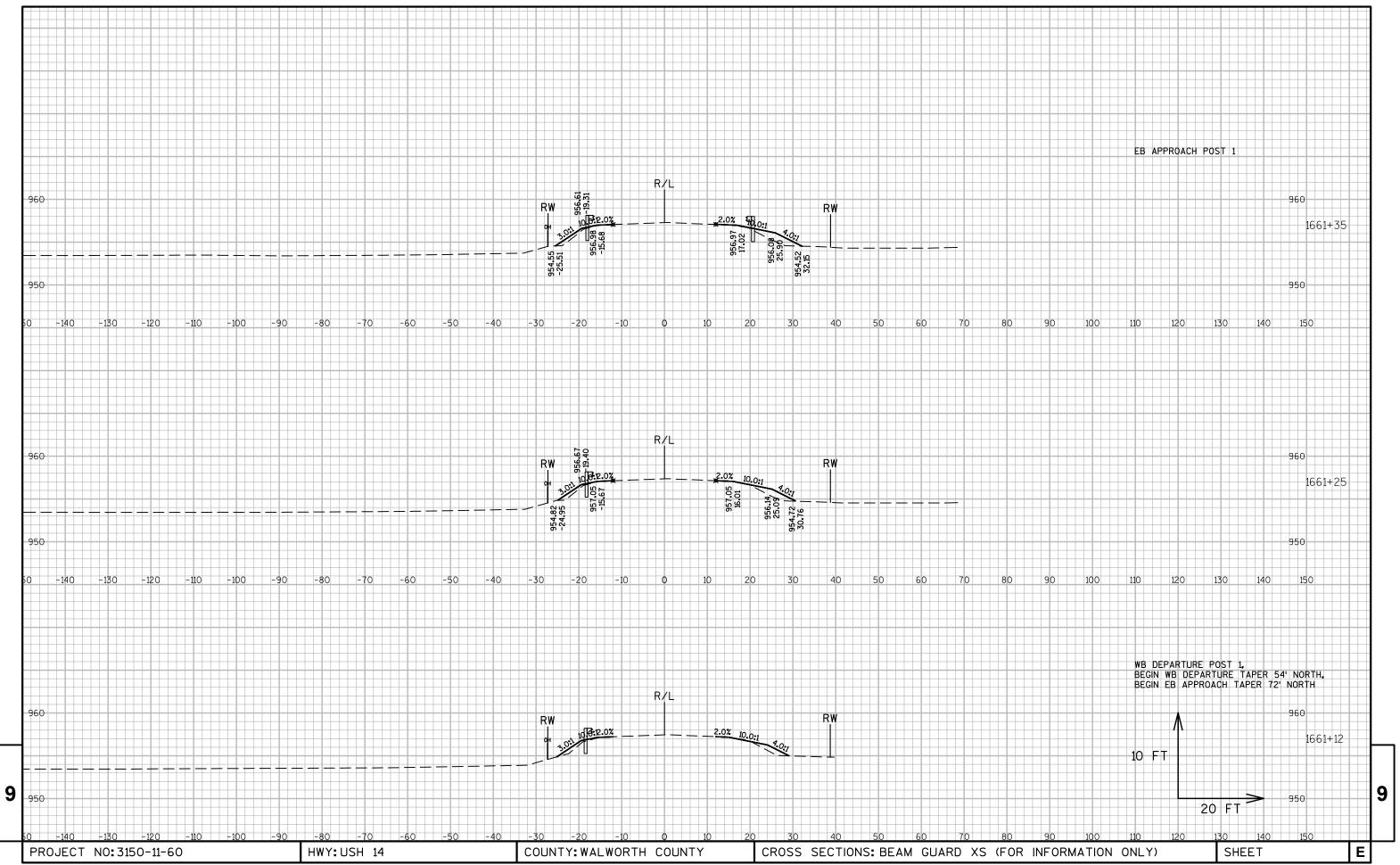


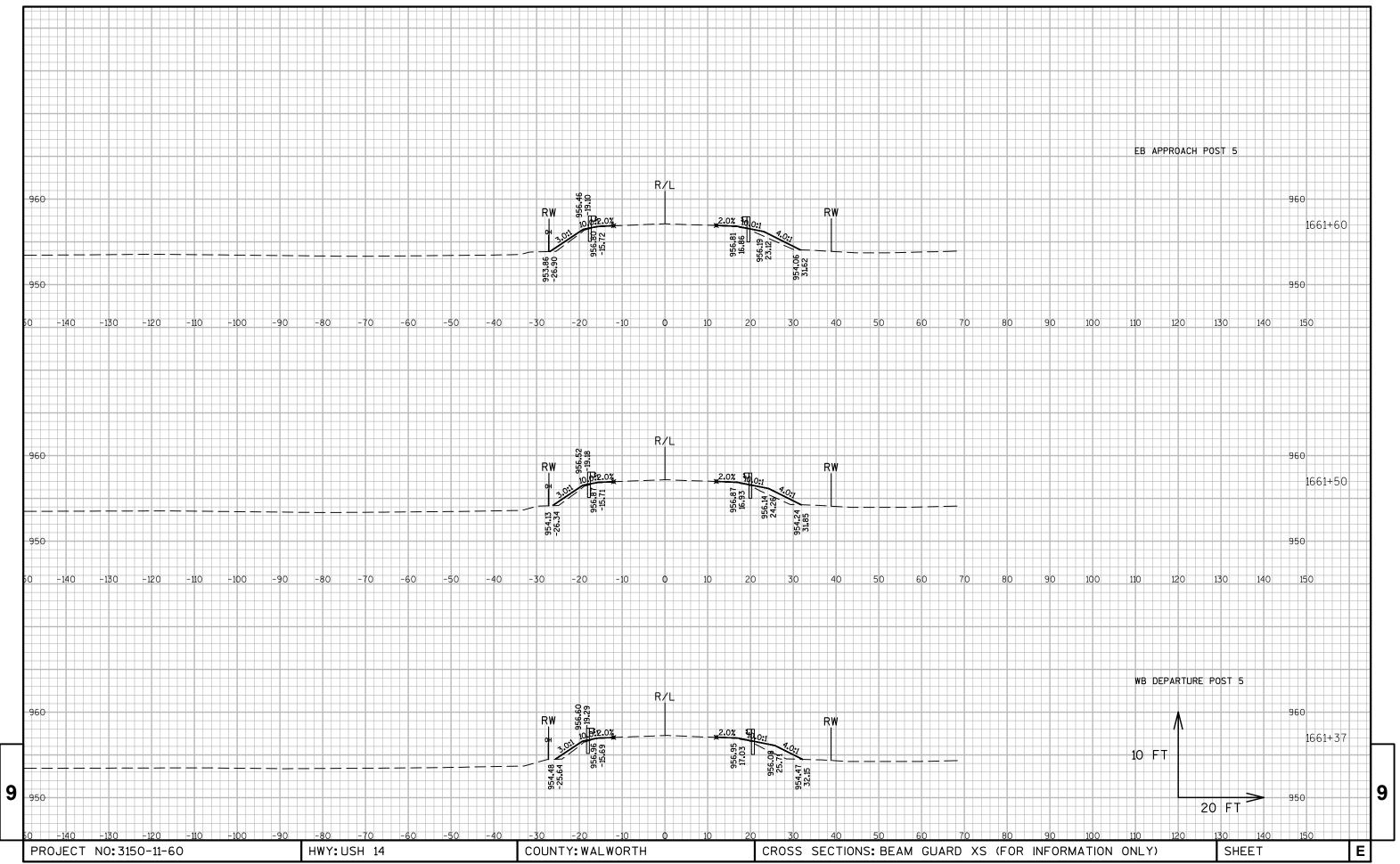


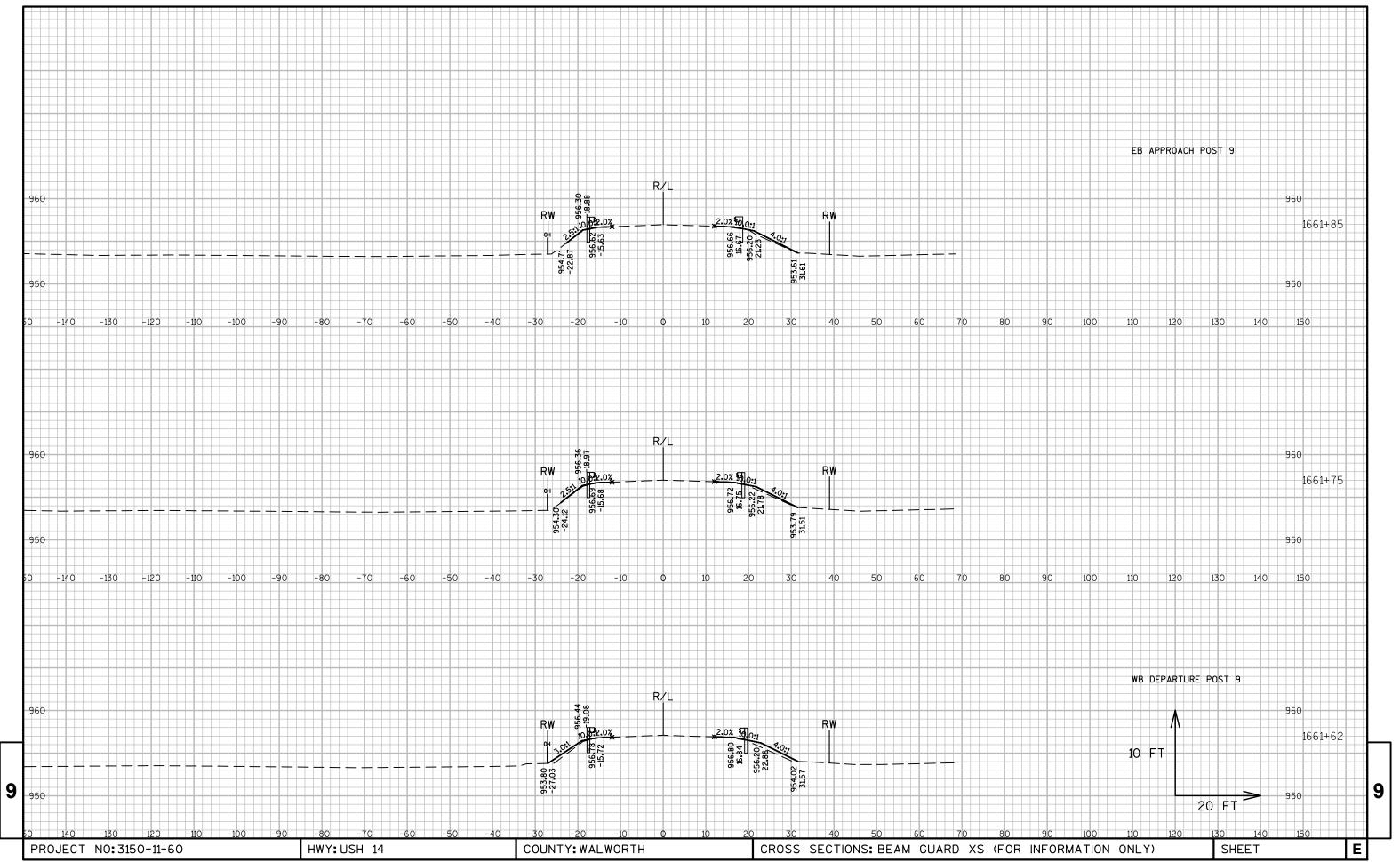
STATE PROJECT NUMBER

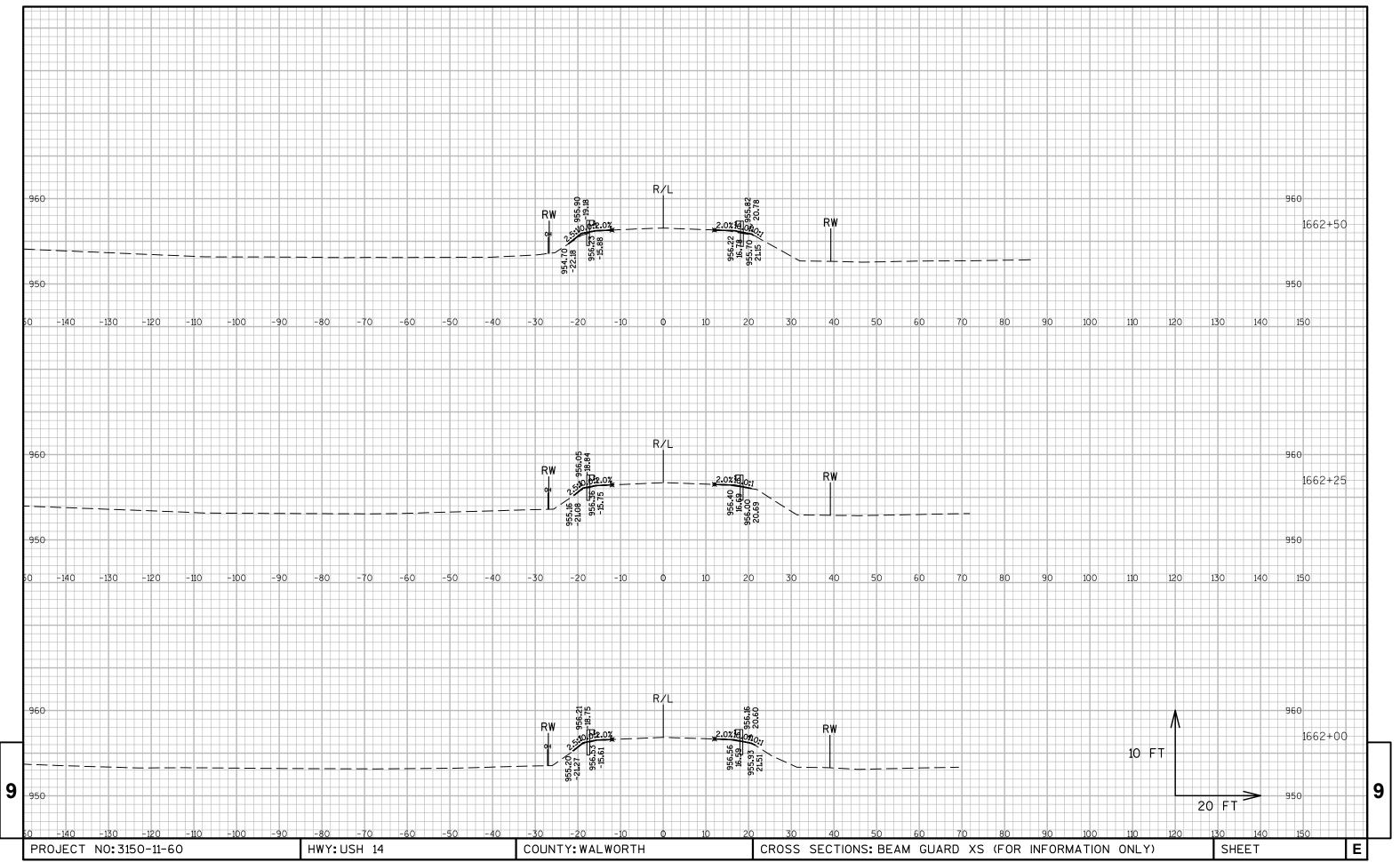
3150-11-60

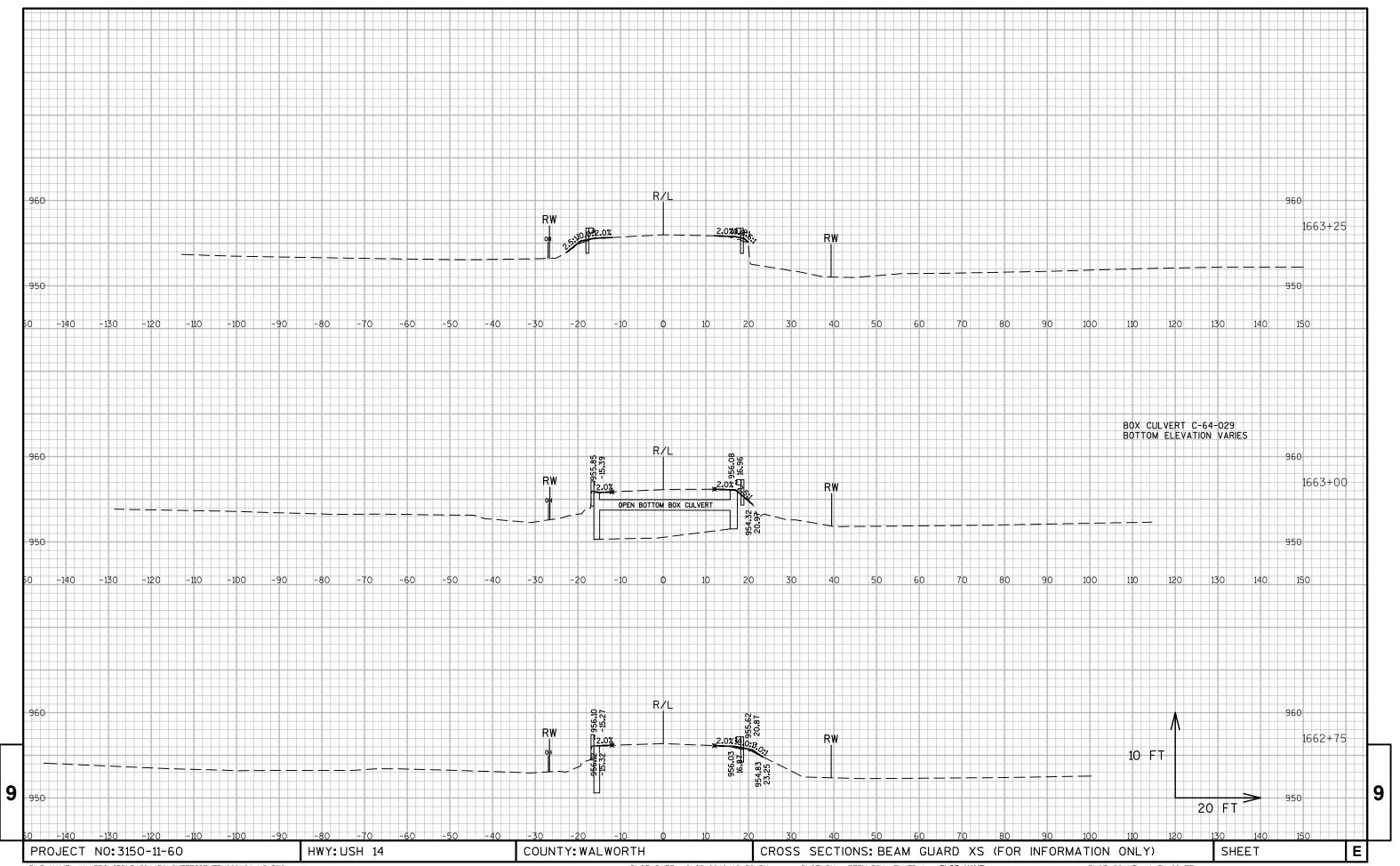


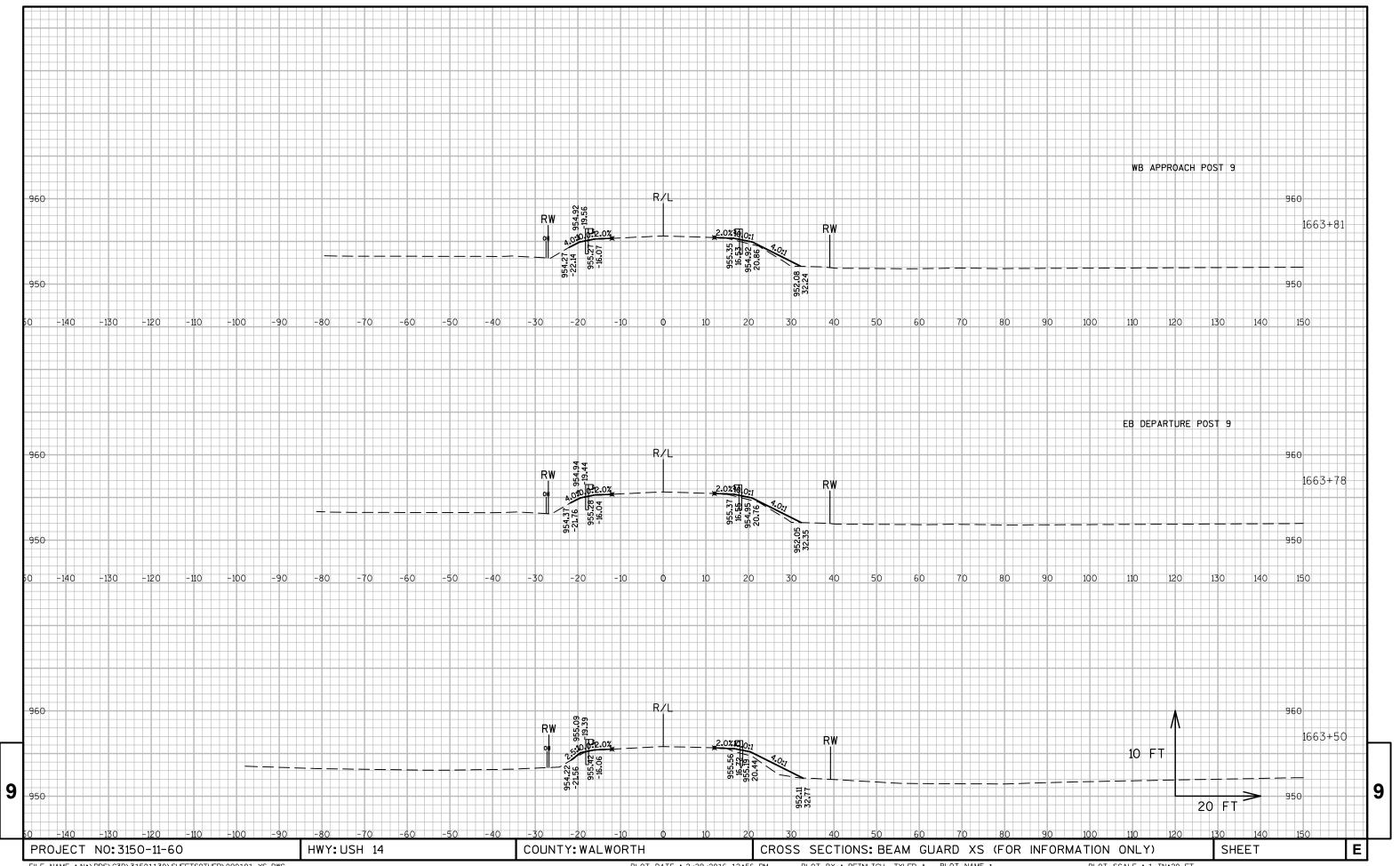


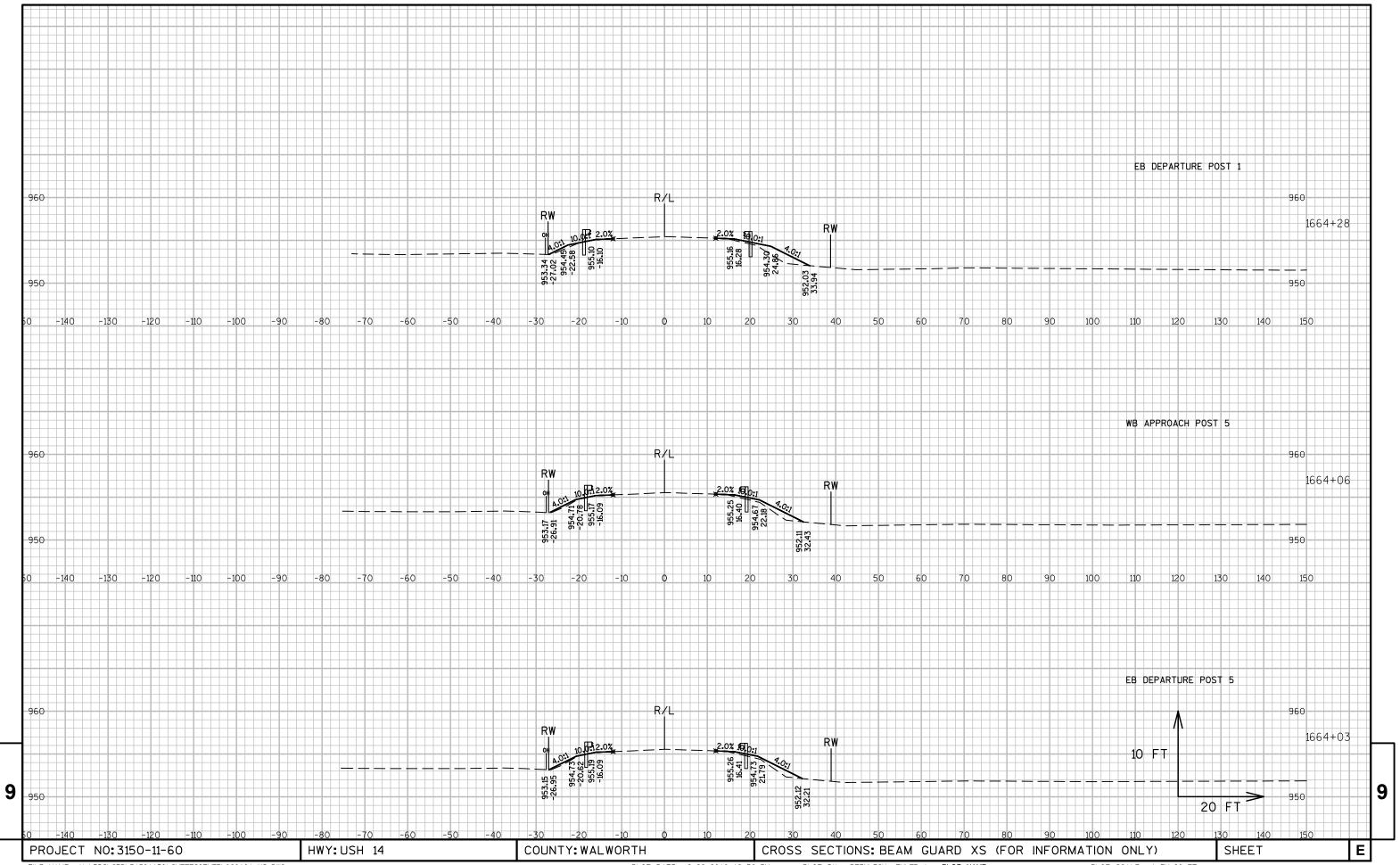


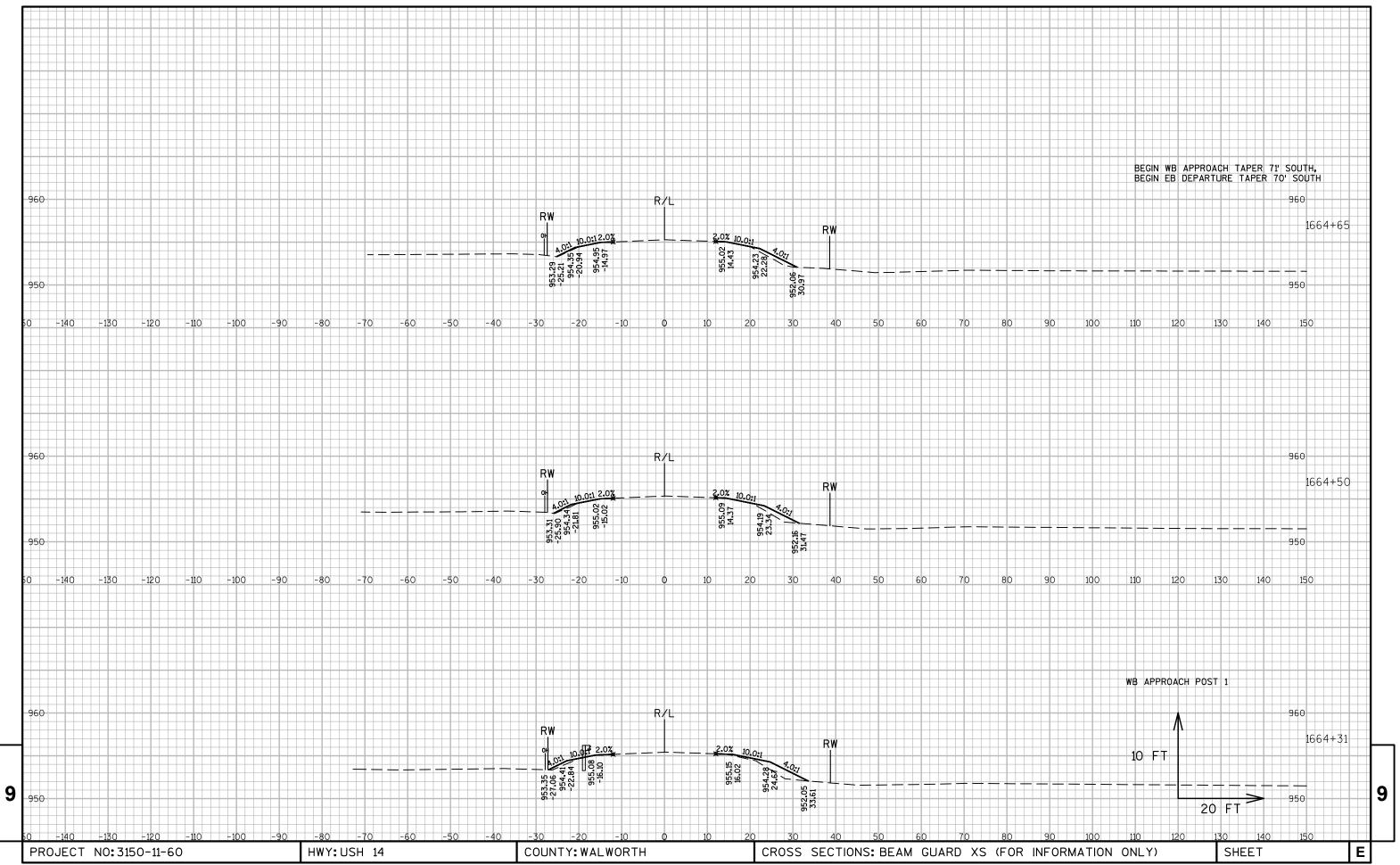














Wisconsin Department of Transportation

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