D MAY 2013	)	MAY	2013
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#### ORDER OF SHEETS

Section No. 1 Title Section No. 2 Typical Sections and Details Section No. 3 Estimate of Quantities

Miscellaneous Quantities Section No. 3

Section No. 6 Standard Detail Drawings

Section No. 7 Sign Plates Section No. 8 Structure Plans

TOTAL SHEETS = 56

# STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

STATE HIGHWAY REHABILITATION-MAINTENANCE PROJECT

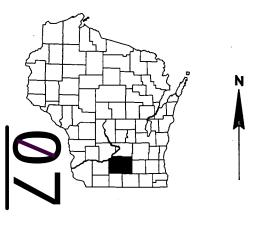
# DODGEVILLE-MOUNT HOREB

CTH Z TO CTH Y

**USH 18** 

**IOWA COUNTY** 

STATE PROJECT NUMBER 1204-05-60



#### DESIGN DESIGNATION

A.A.D.T. 2009 = 16,900 A.A.D.T. 2013 = 17,900 D.H.V. = 62/38 D.D. = 8.0% = 70 MPH

DESIGN SPEED = 4,620,900

#### CONVENTIONAL SYMBOLS

PLAN

CORPORATE LIMITS REFERENCE LINE COMBUSTIBLE FLUIDS UTILITIES

ELECTRIC FIBER OPTIC SANITARY SEWER STORM SEWER TELEPHONE UTILITY PEDESTAL POWER POLE 뷰 TELEPHONE POLE

**BEGIN PROJECT** END PROJECT STA, 233+29 STA. 351+48  $T \leftarrow N$ T-5-N R-4-E

> LAYOUT 1.0 MI.

TOTAL NET LENGTH OF CENTERLINE = 2.25 Mi.

ALIGNMENTS ON THE PLAN ARE FOR REFERENCE PURPOSES ONLY.

-"COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), 'IOWA' COUNTY."

FEDERAL PROJECT STATE PROJECT CONTRACT PROJECT 1204-05-60

## ORIGINAL PLANS PREPARED BY



CREATING QUALITY TRANSPORTATION TODAY AND TOMORROW

WISDOT SOUTHWEST REGION - MADISON OFFICE

### STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PREPARED BY Surveyor Designer

SHAUN ANDERSON

Project Manager Regional Examiner

Regional Supervisor CHRIS HODGES

C.O. Examiner

APPROVED FOR THE DEPARTMENT

FILE NAME: R:\Projects\d1\_12040530\010101\_ti.dgn

PLOT DATE: 29-JAN-2013 08:21

PLOT BY : dotj3j

PLOT NAME :

PLOT SCALE : 200.000000:1.000000

WISDOT/CADDS SHEET 14

# 2

#### **GENERAL NOTES**

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

DO NOT DRIVE EQUIPMENT OR STORE EQUIPMENT OR MATERIALS IN ARCHAEOLOGICAL SITES, ENVIRONMENTALLY SENSITIVE AREAS, WETLANDS, OR WATERWAYS.

THERE ARE UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA.

HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112 LB/SY/IN.

HMA PAVEMENT TYPE E-10 IS TO BE PLACED IN 2 LAYERS. THE LEVELING LAYER IS 1.00-INCHES USING 9.5mm NOMINAL SIZE AGGREGATE. THE UPPER LAYER IS 2.00-INCHES USING 12.5mm NOMINAL SIZE AGGREGATE.

EROSION CONTROL FEATURES SHOWN ON THE PLAN SHEETS ARE AT SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY. REMOVE ITEMS AT THE ENGINEERS DIRECTION.

EXACT LOCATIONS FOR THE BASE PATCHING CONCRETE SHES AND CONCRETE PAVEMENT REPAIR AND REPLACEMENT SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

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



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

PROJECT NO: 1204-05-60

HWY: USH 18

COUNTY: IOWA

GENERAL NOTES

PLOT BY : dotsxa

Jason Hogan Alliant Energy - Electricity Suite 1000 4902 N Biltmore Lane Madison, WI 53718 (608) 395-7395 jasonhogan@alliantenergy.com

Utilities

Robert Church Frontier North Inc 118 Division St Plymouth, WI 53073 (608) 837-1881 robert.church@ftr.com

Randy Simms Packerland Broadband State Construction Manager 105 Kent St. Iron Mountain, MI 49801 (800) 236-8424 Office (906) 282-3802 Mobile randy.simms@ccisystems.com

Wayne Cretton Packerland Broadband 105 Kent St. Iron Mountain, MI 49801 (906) 282-3768

#### WISCONSIN DNR LIAISON

South Central Region Amanda Cushman 3911 Fish Hatchery Rd Fitchburg, WI 53711 phone:(608)275-3485 fax:(608)275-3338 amanda.cushman@wisconsin.gov

SHEET

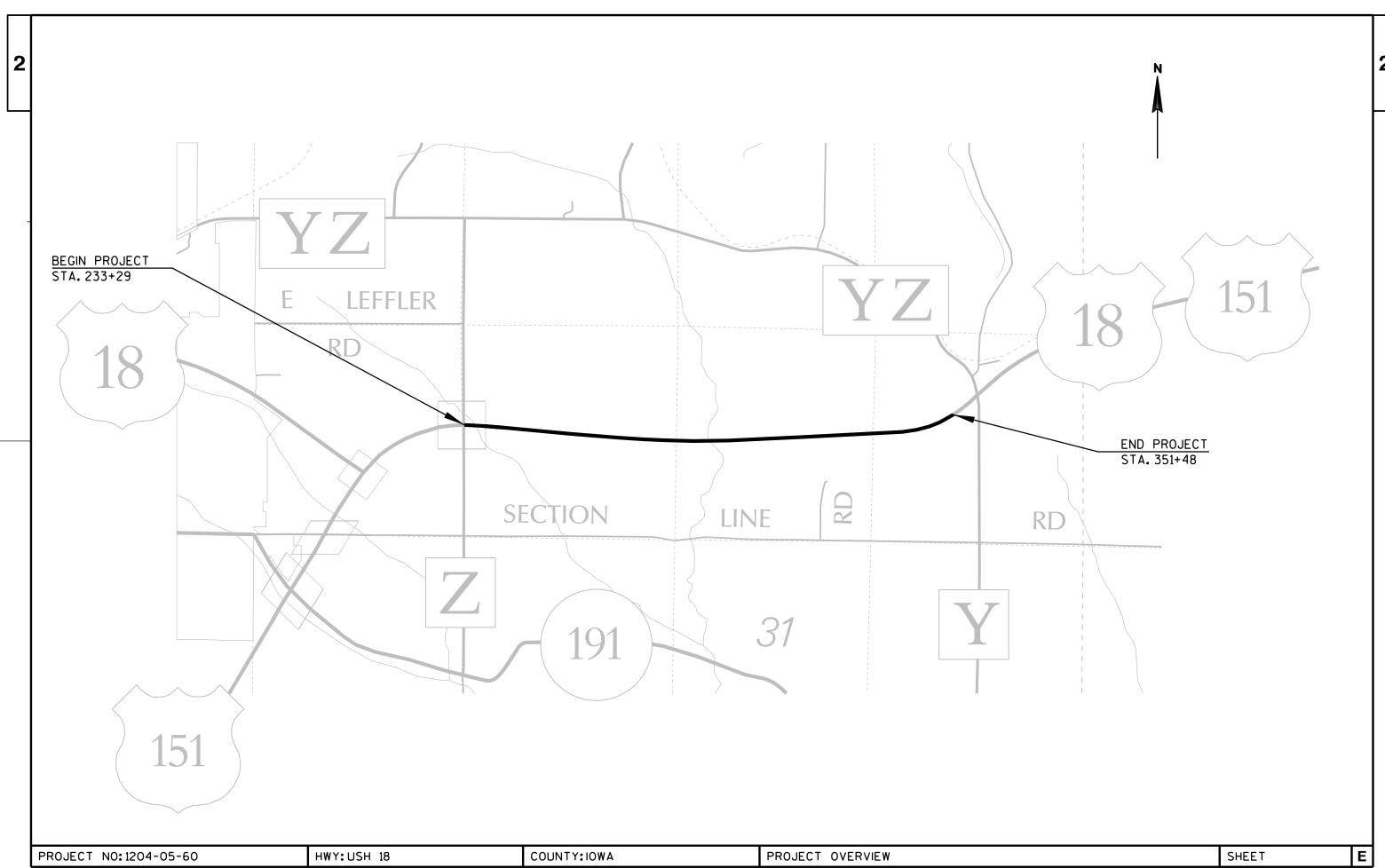
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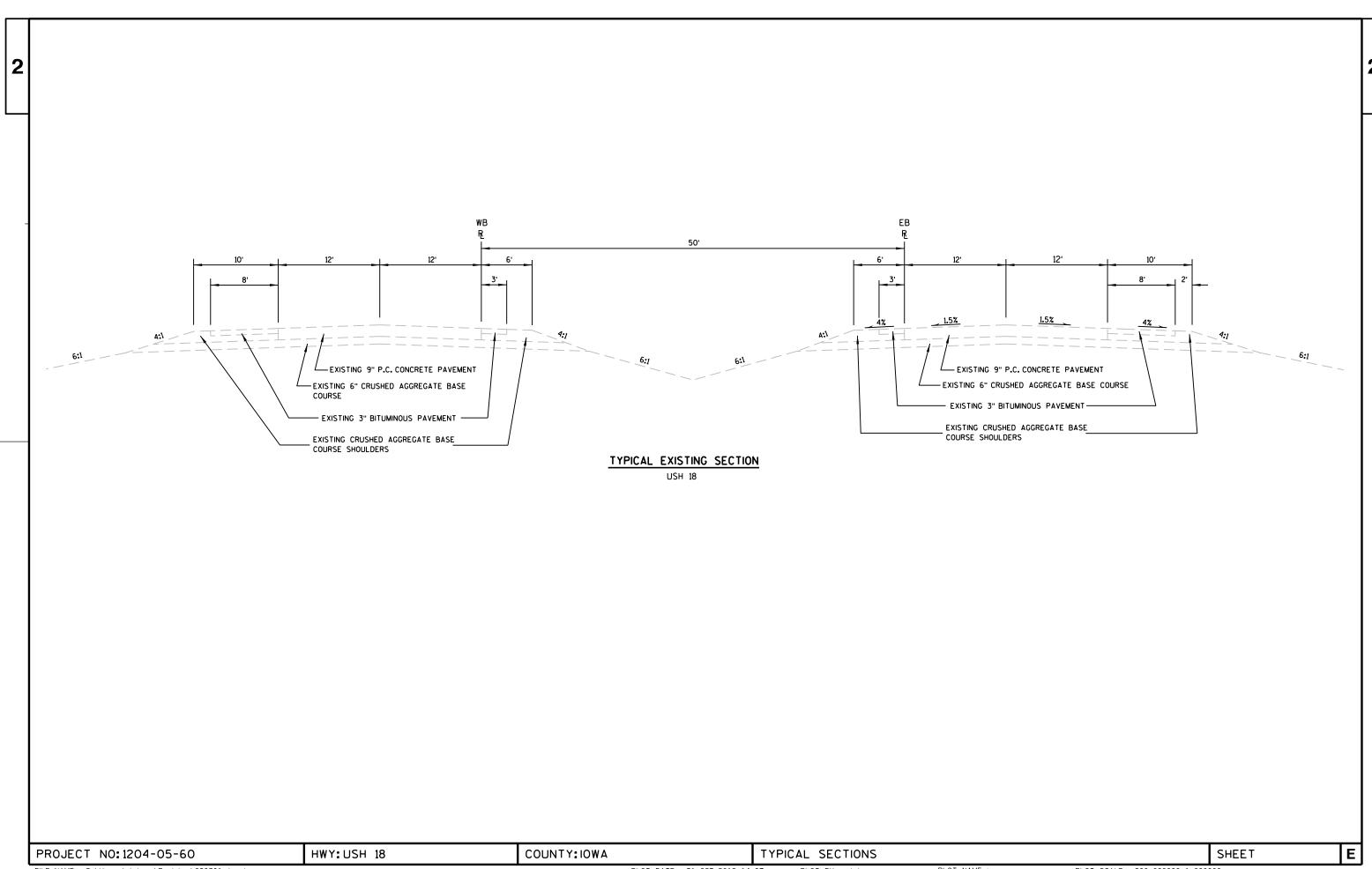
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PLOT NAME :

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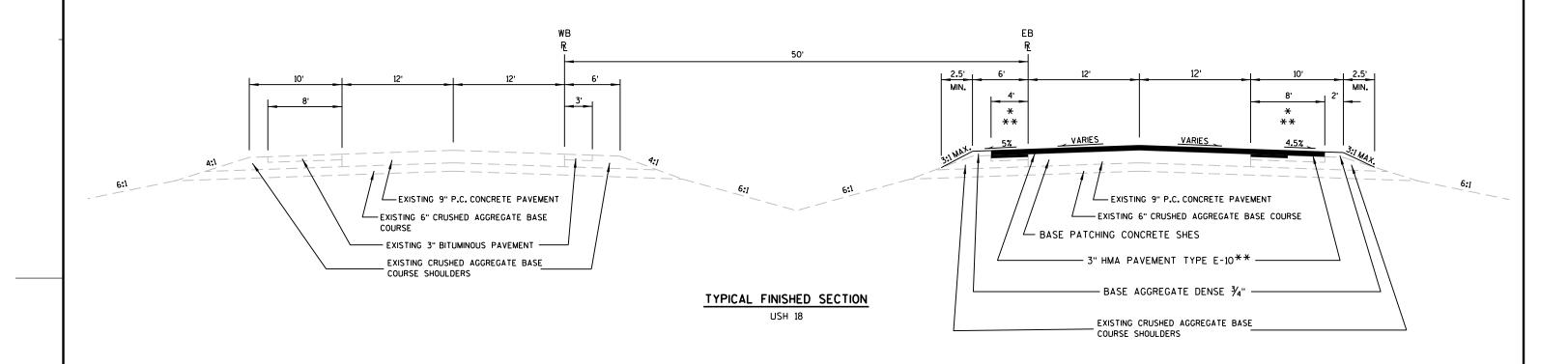


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PLOT SCALE: 200.000000:1.000000

WISDOT/CADDS SHEET 42



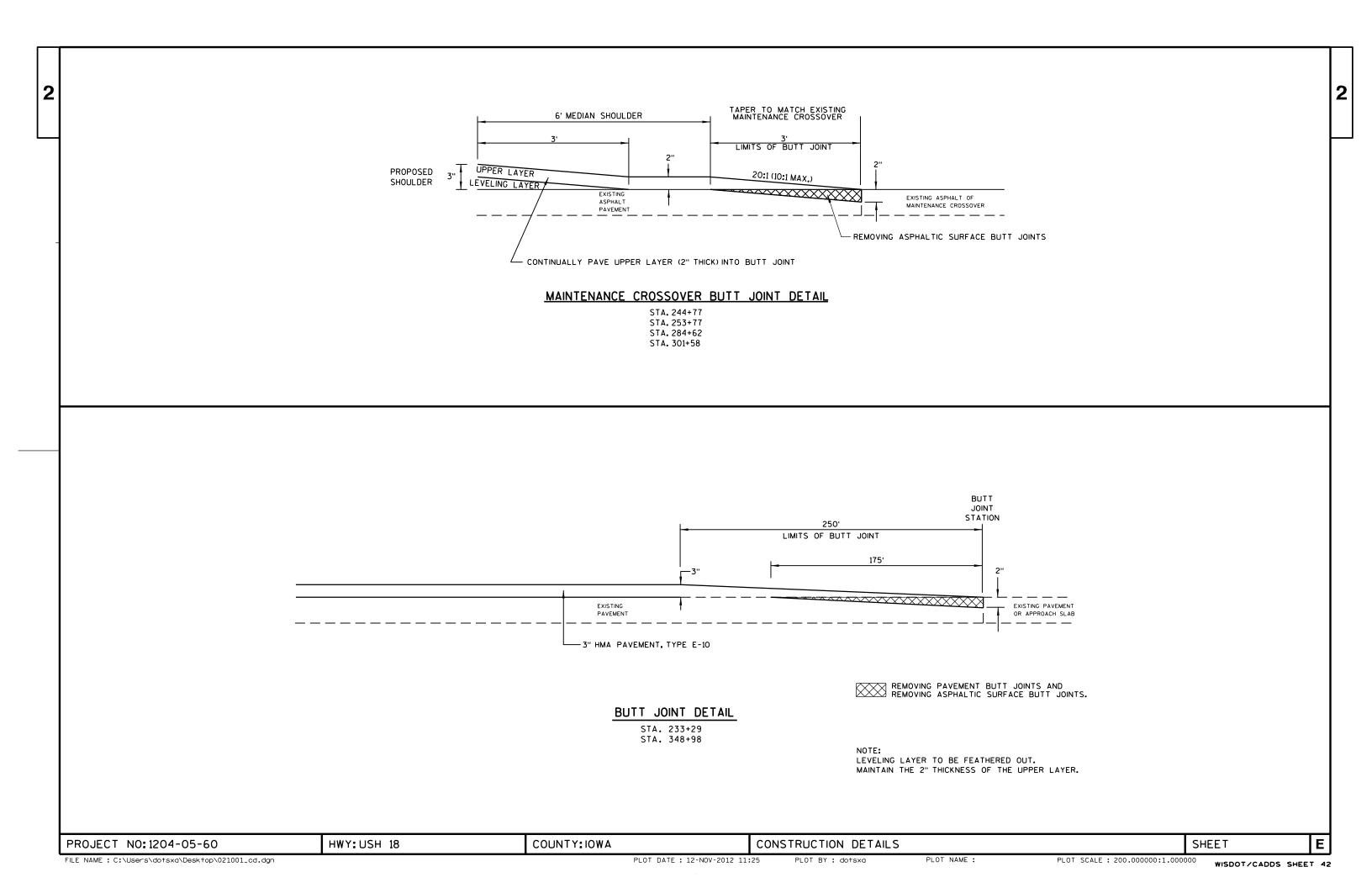


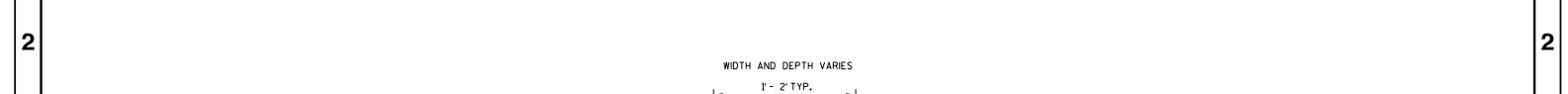
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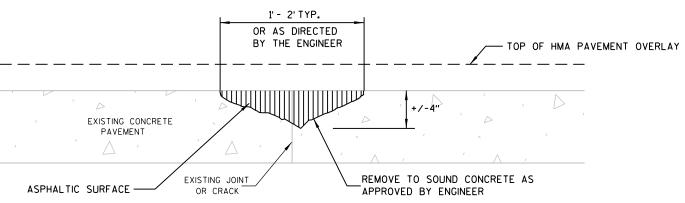
PROJECT NO:1204-05-60 HWY:USH 18 COUNTY:IOWA TYPICAL SECTIONS SHEET **E** 

<sup>\*</sup> LANE CLOSURE PREPARATION: 4 FT WIDE PARTIAL DEPTH MILL AND OVERLAY OF ASPHALTIC SHOULDERS. MILL 1.75" BELOW TOP OF CONCRETE PAVEMENT AND REPLACE WITH 1.75" HMA PAVEMENT TYPE E-10.

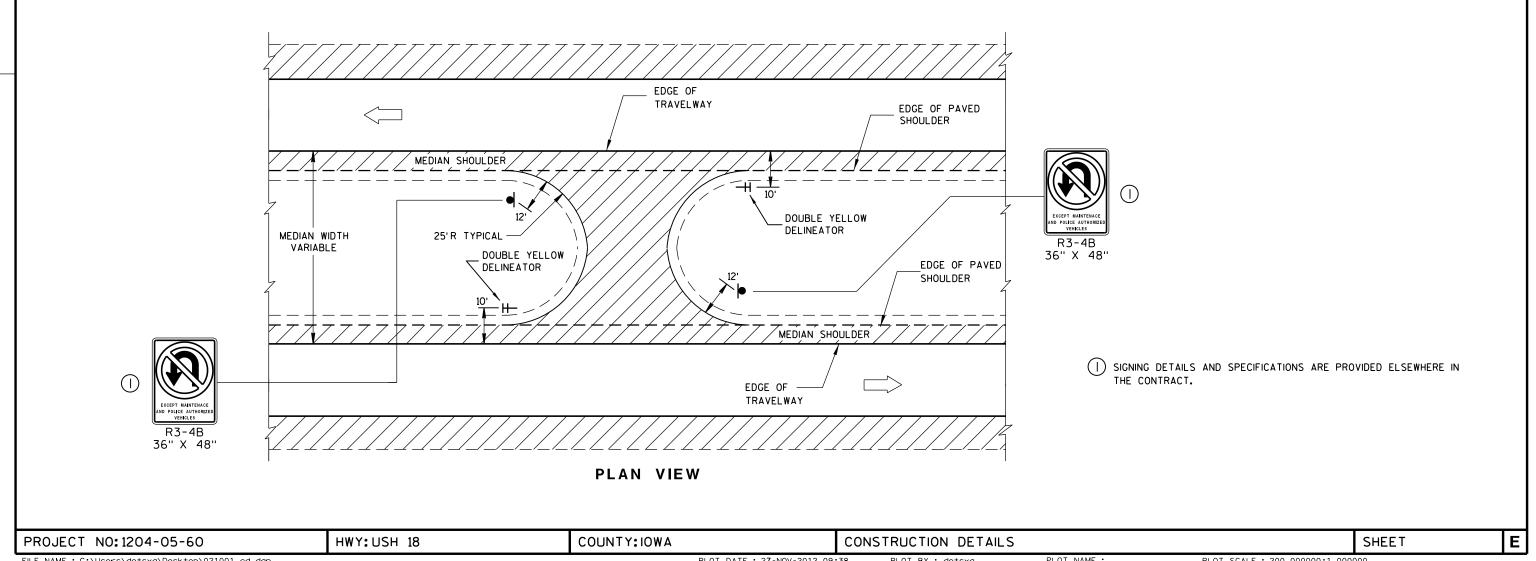
<sup>\*\*</sup> TAPER HMA PAVEMENT 3" AT TRAVEL LANE TO 2.5" AT OUTSIDE OF SHOULDER.



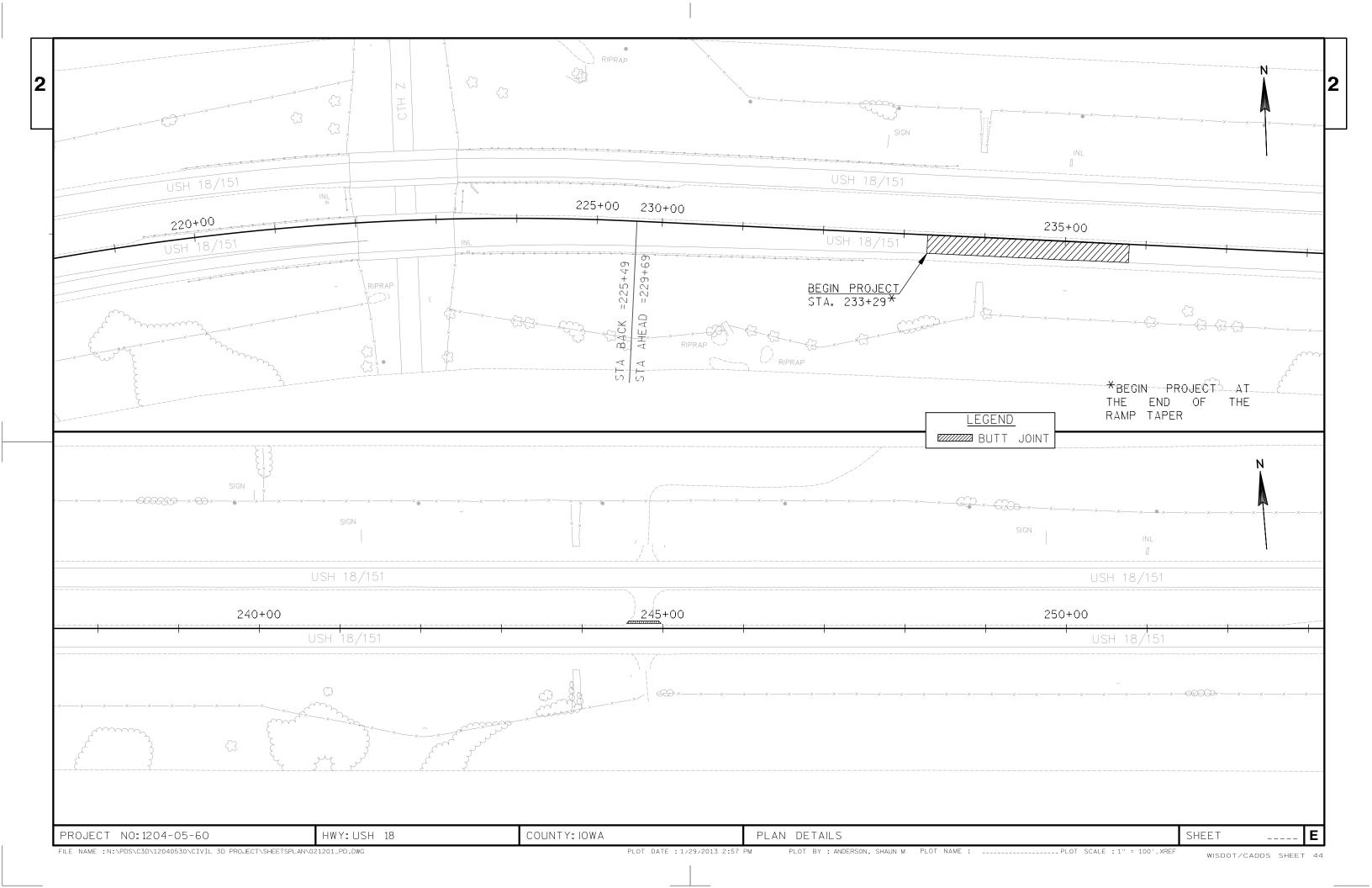


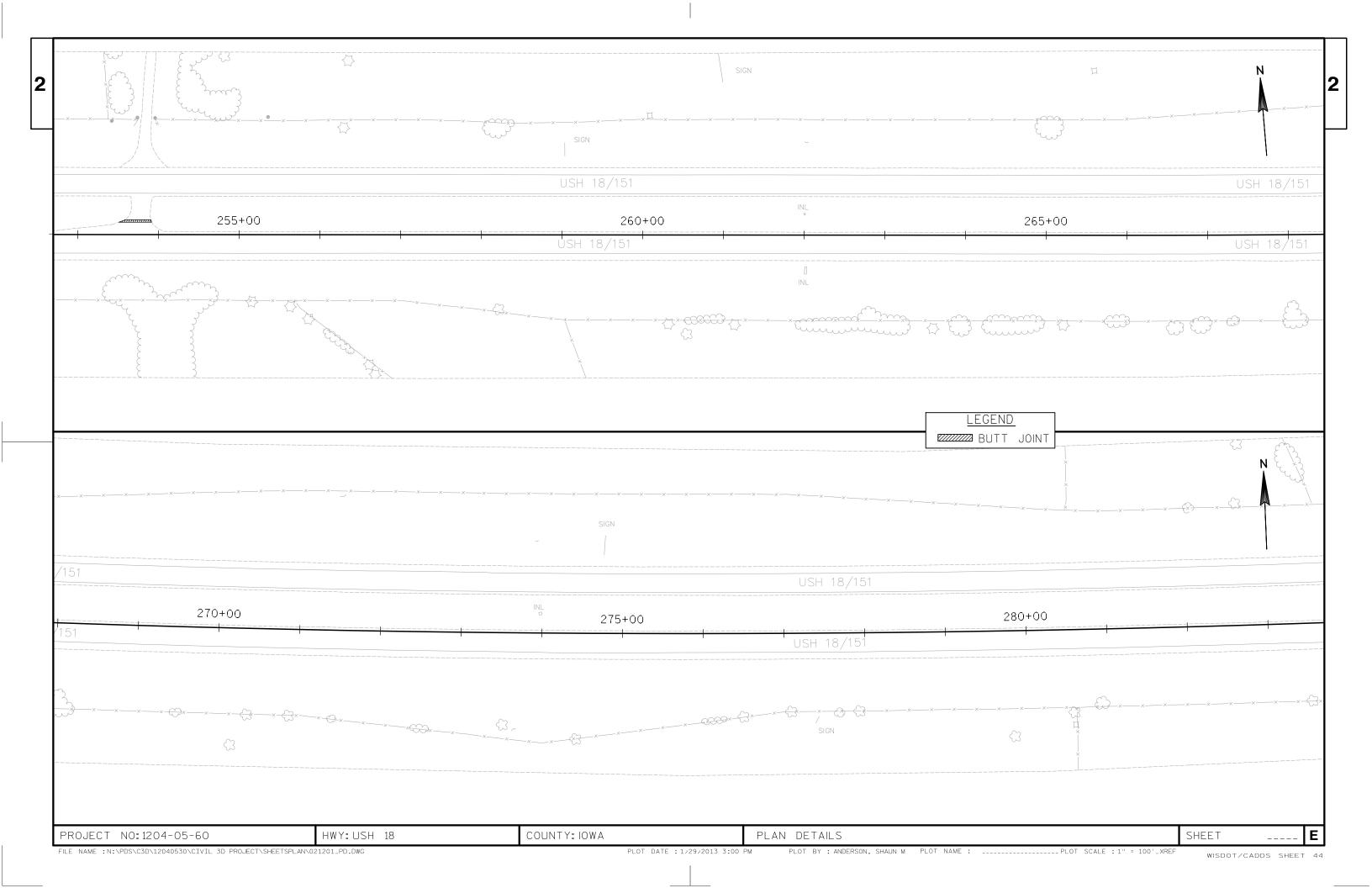


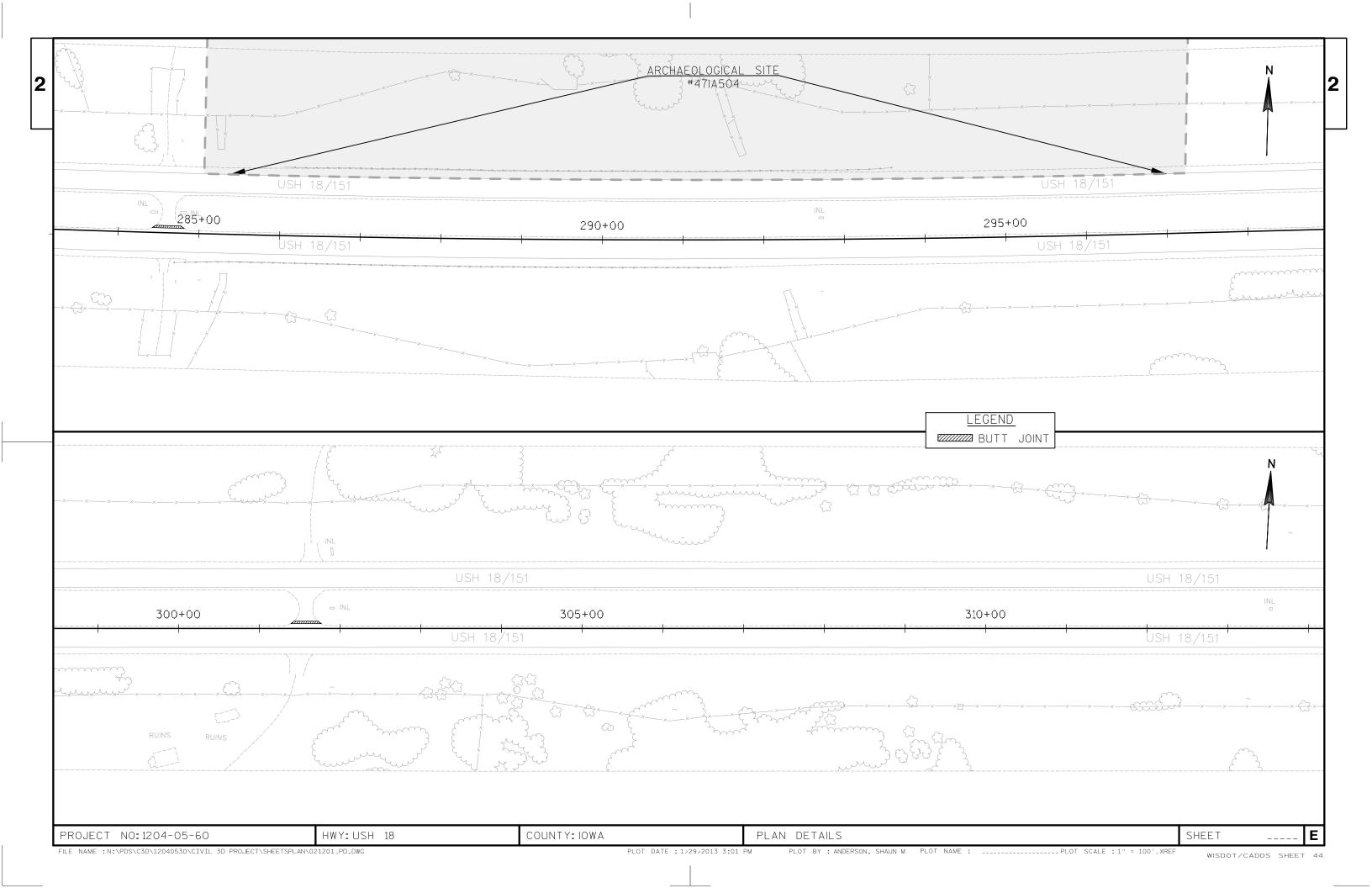
### CONCRETE JOINT AND CRACK REPAIR

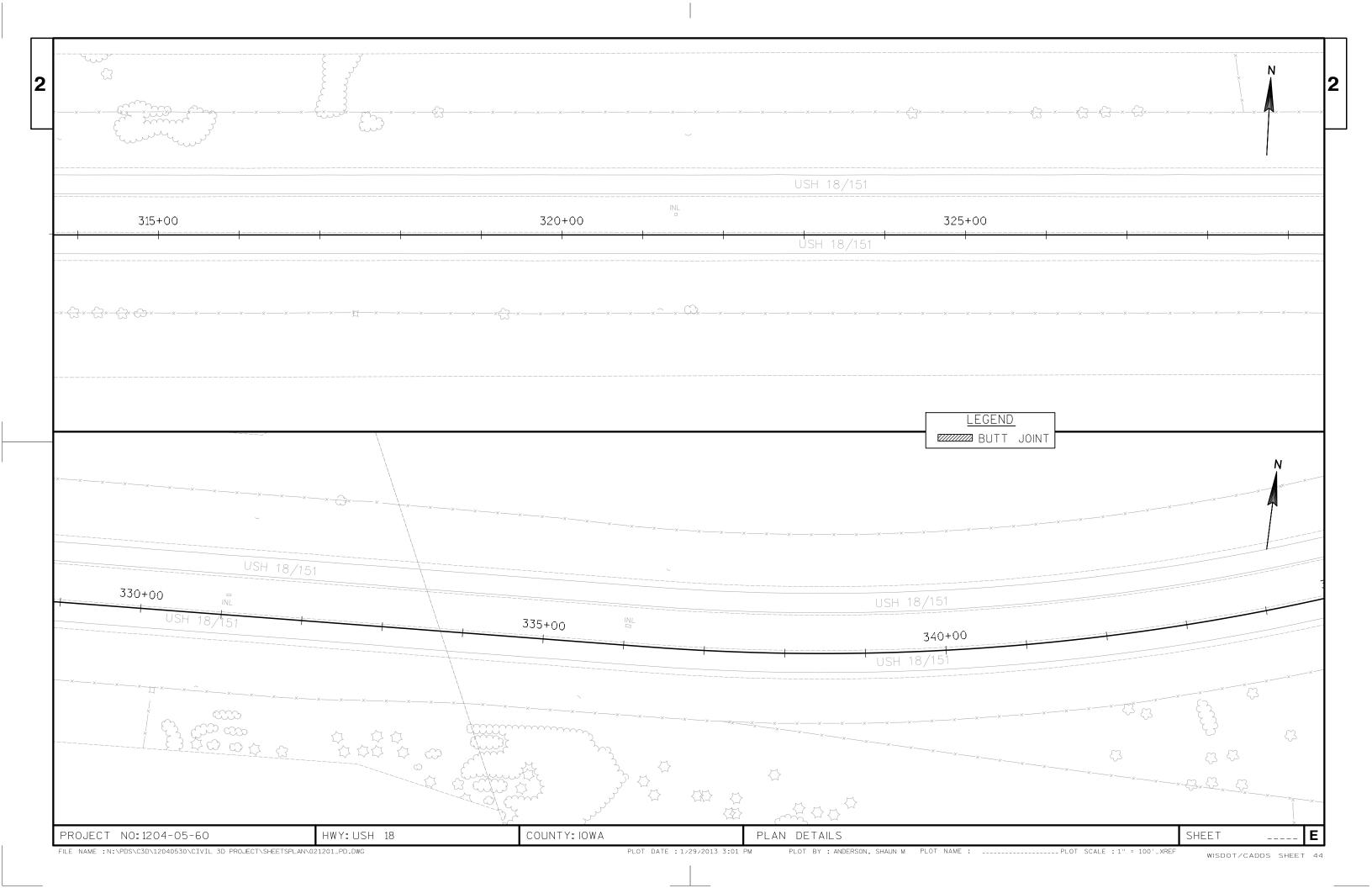


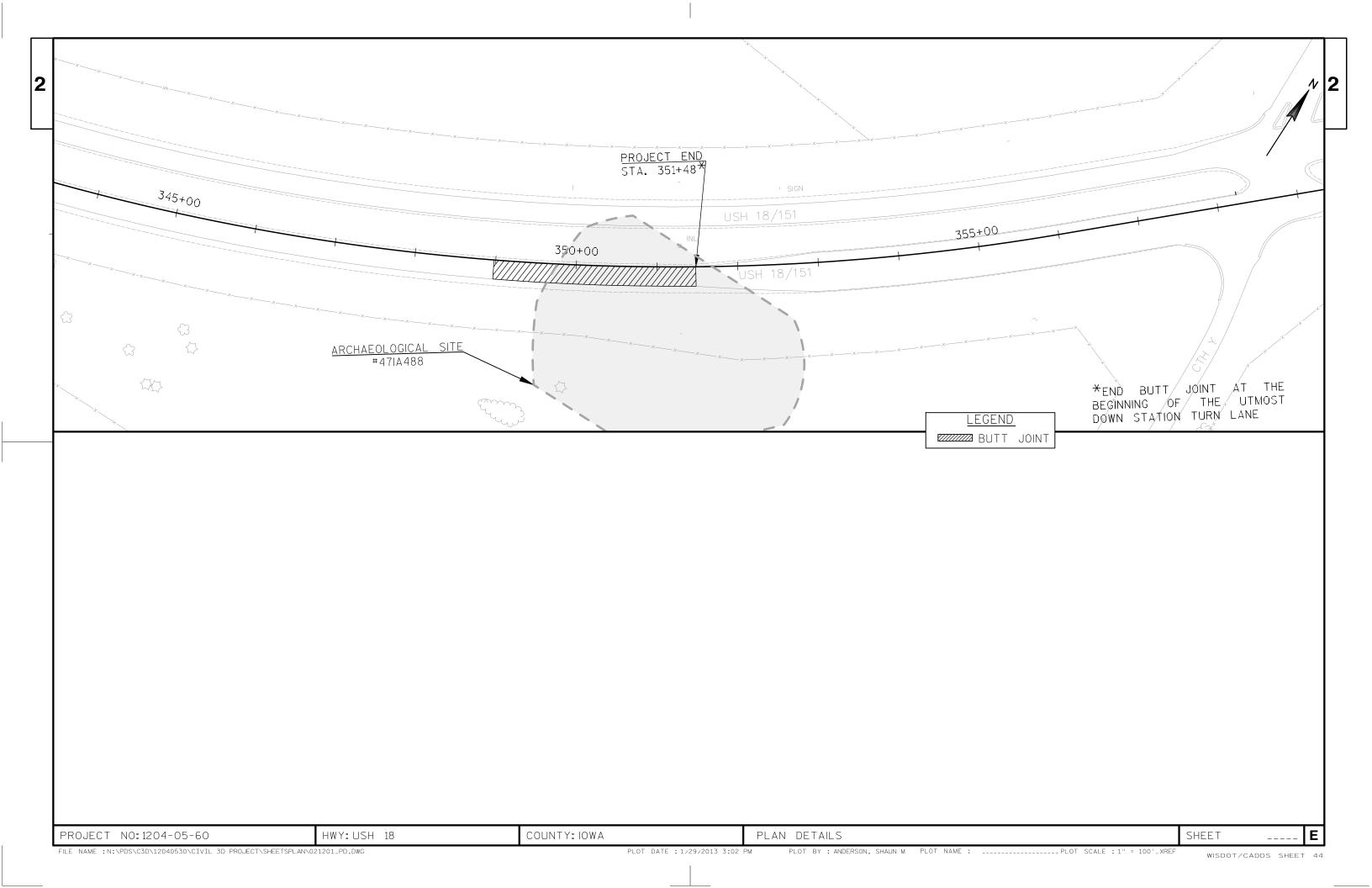
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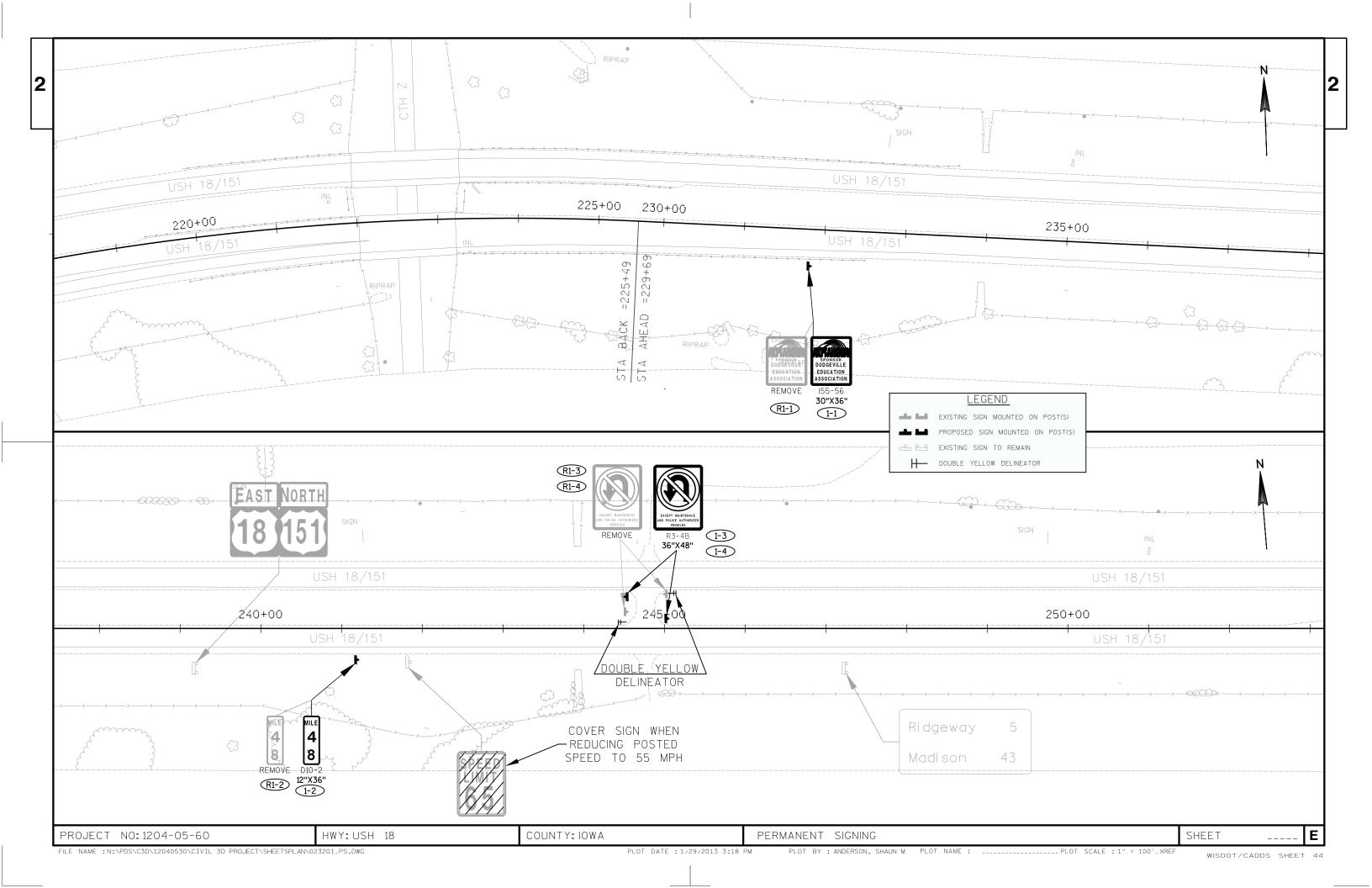


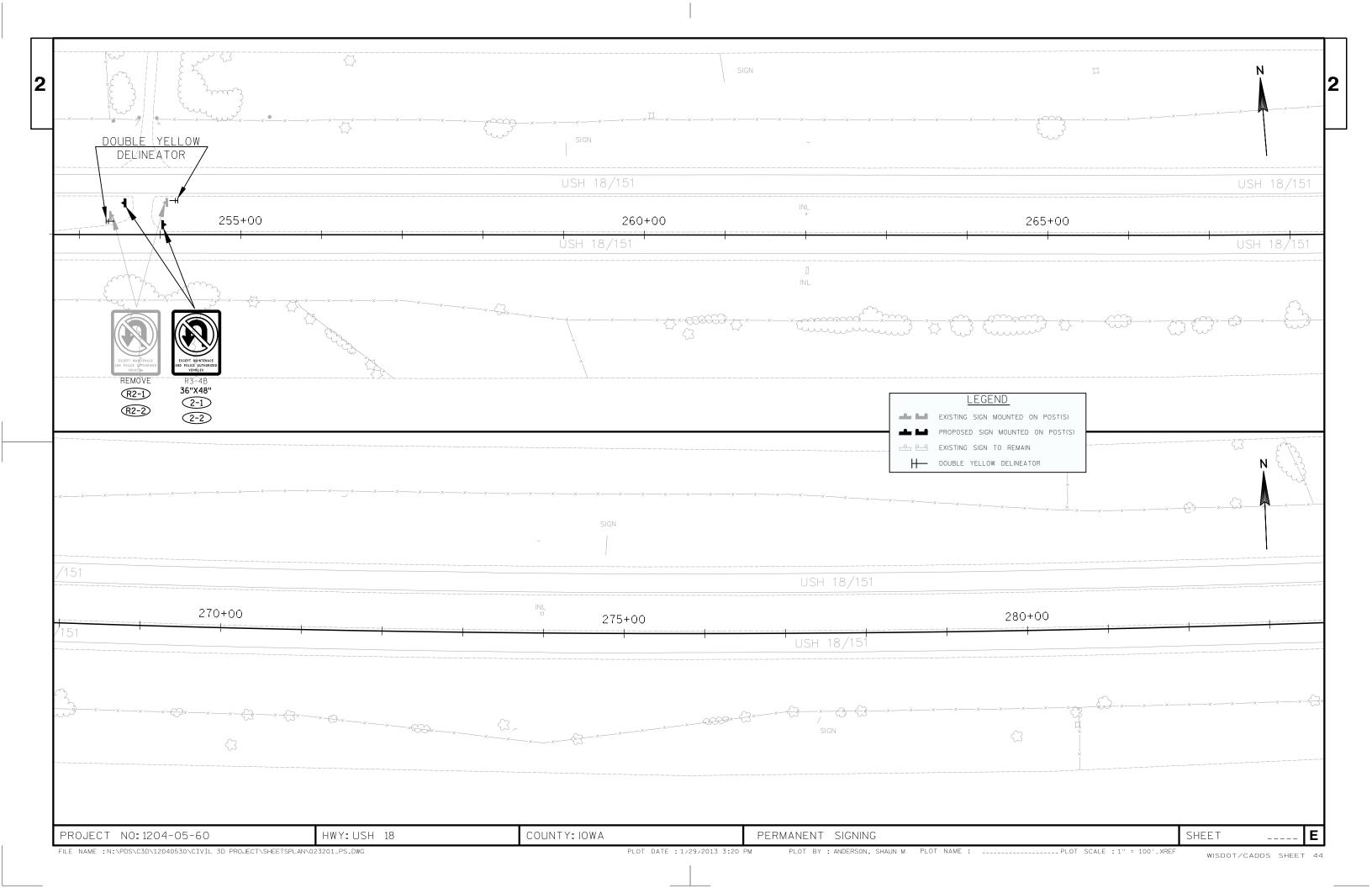


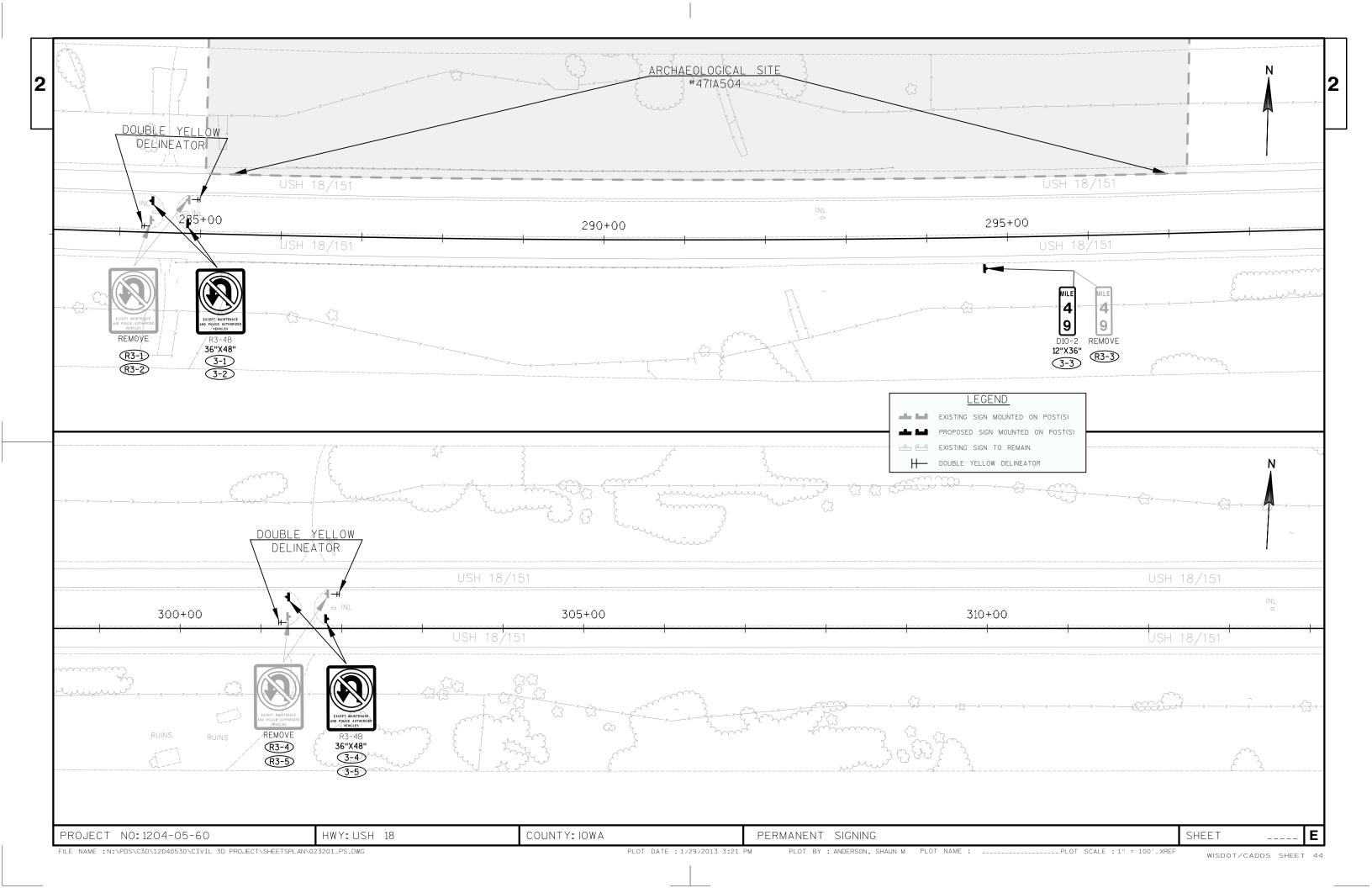


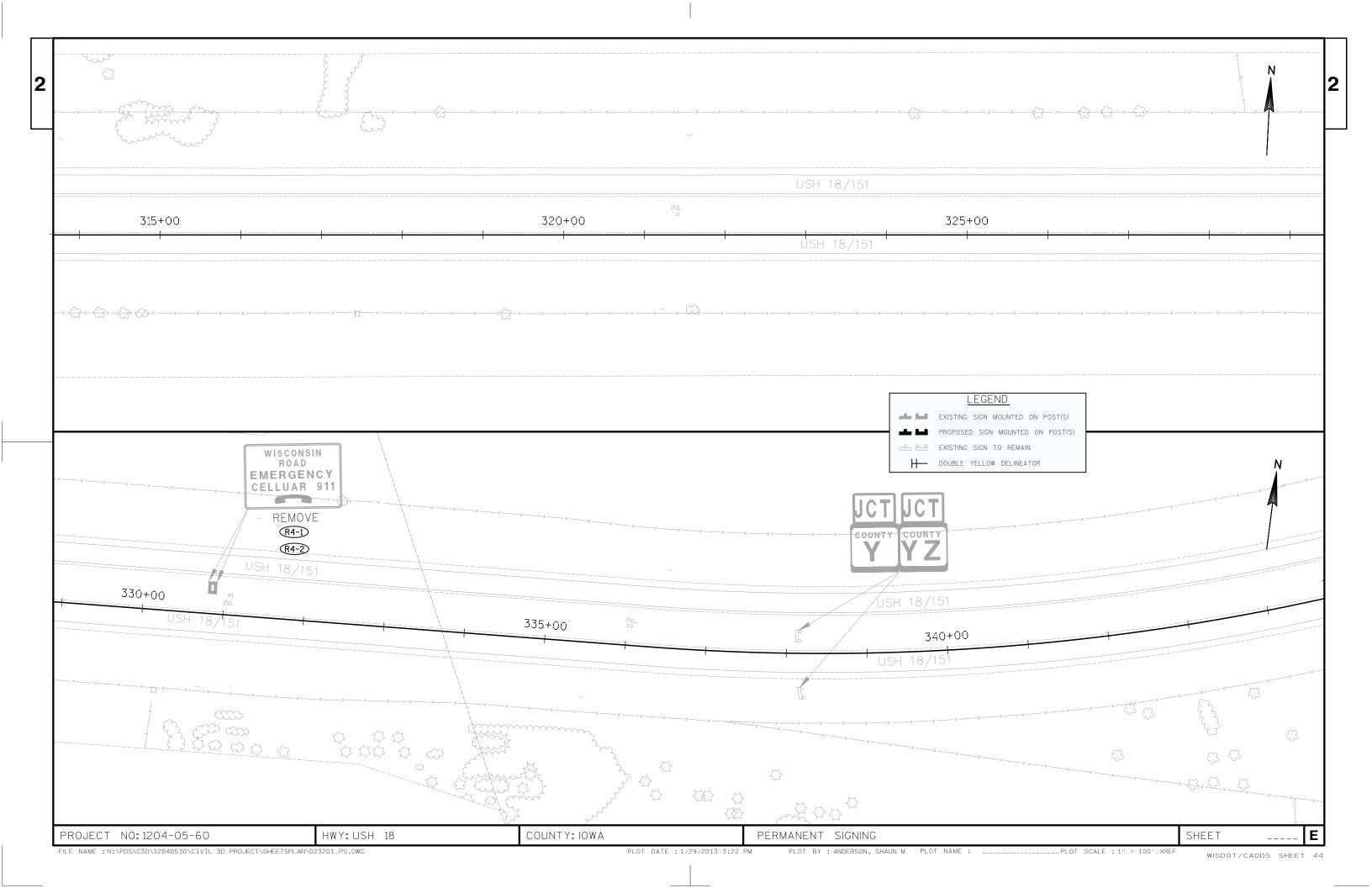


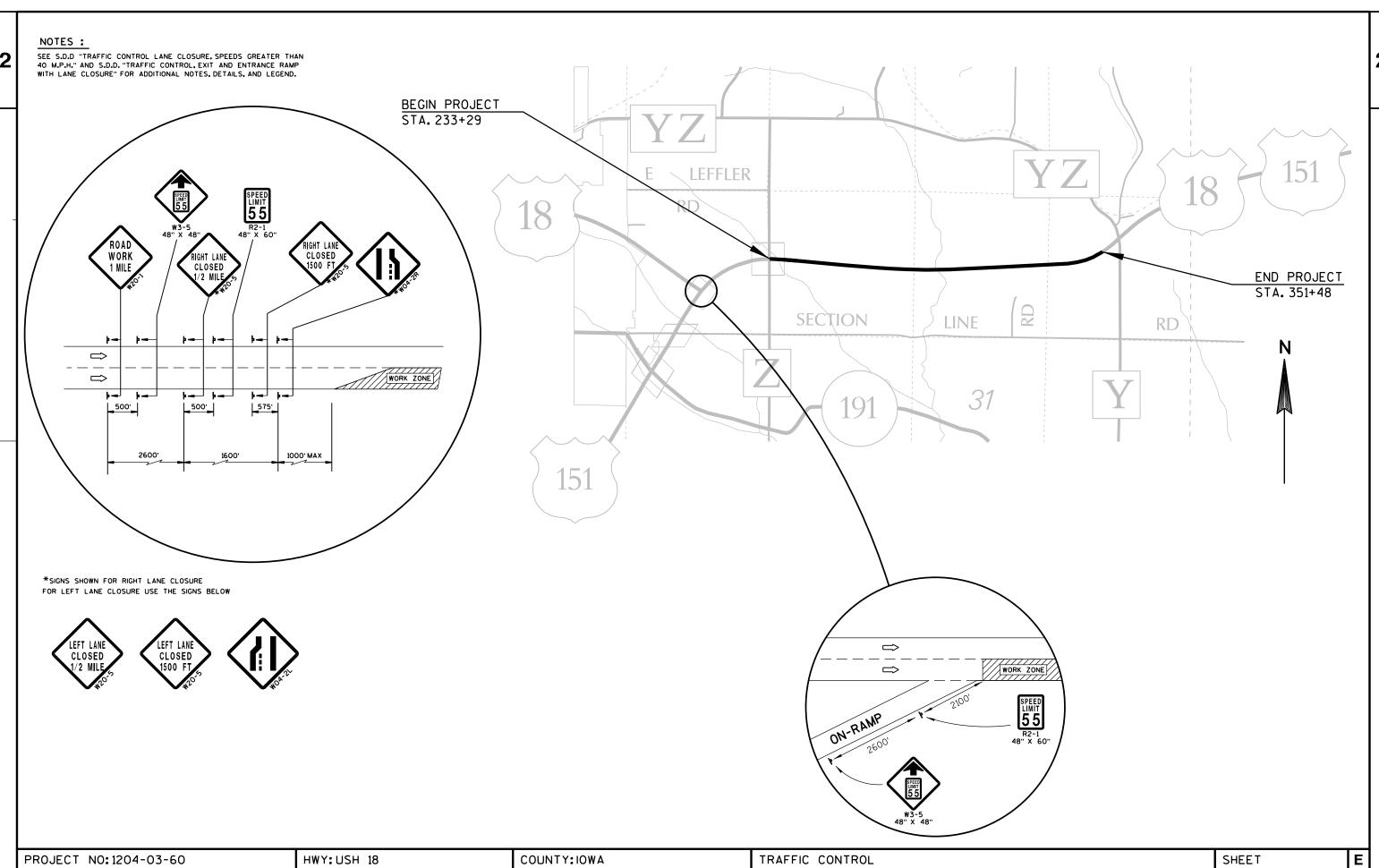












FILE NAME: C:\Users\dotsxa\Desktop\025001\_tc.dgn

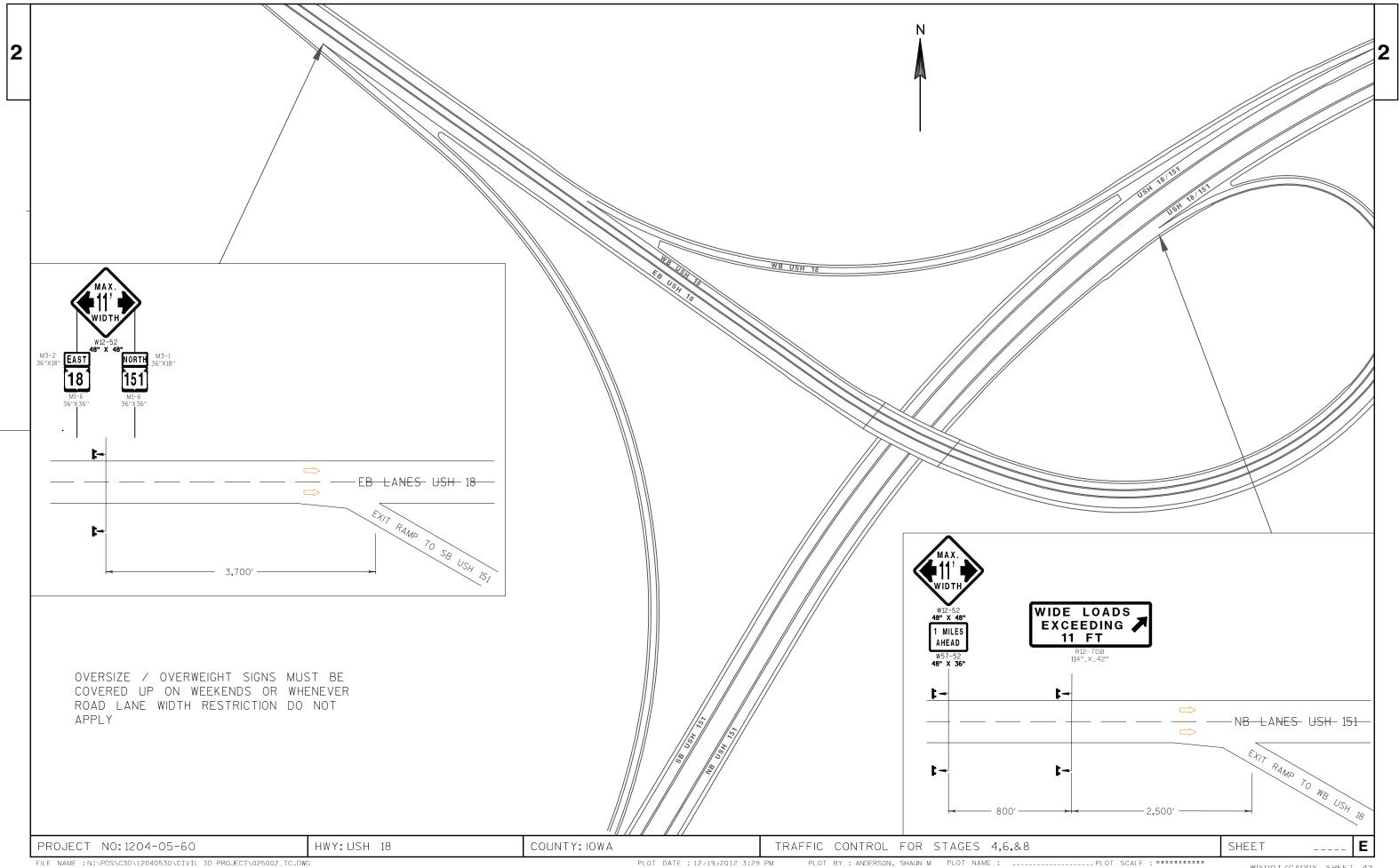
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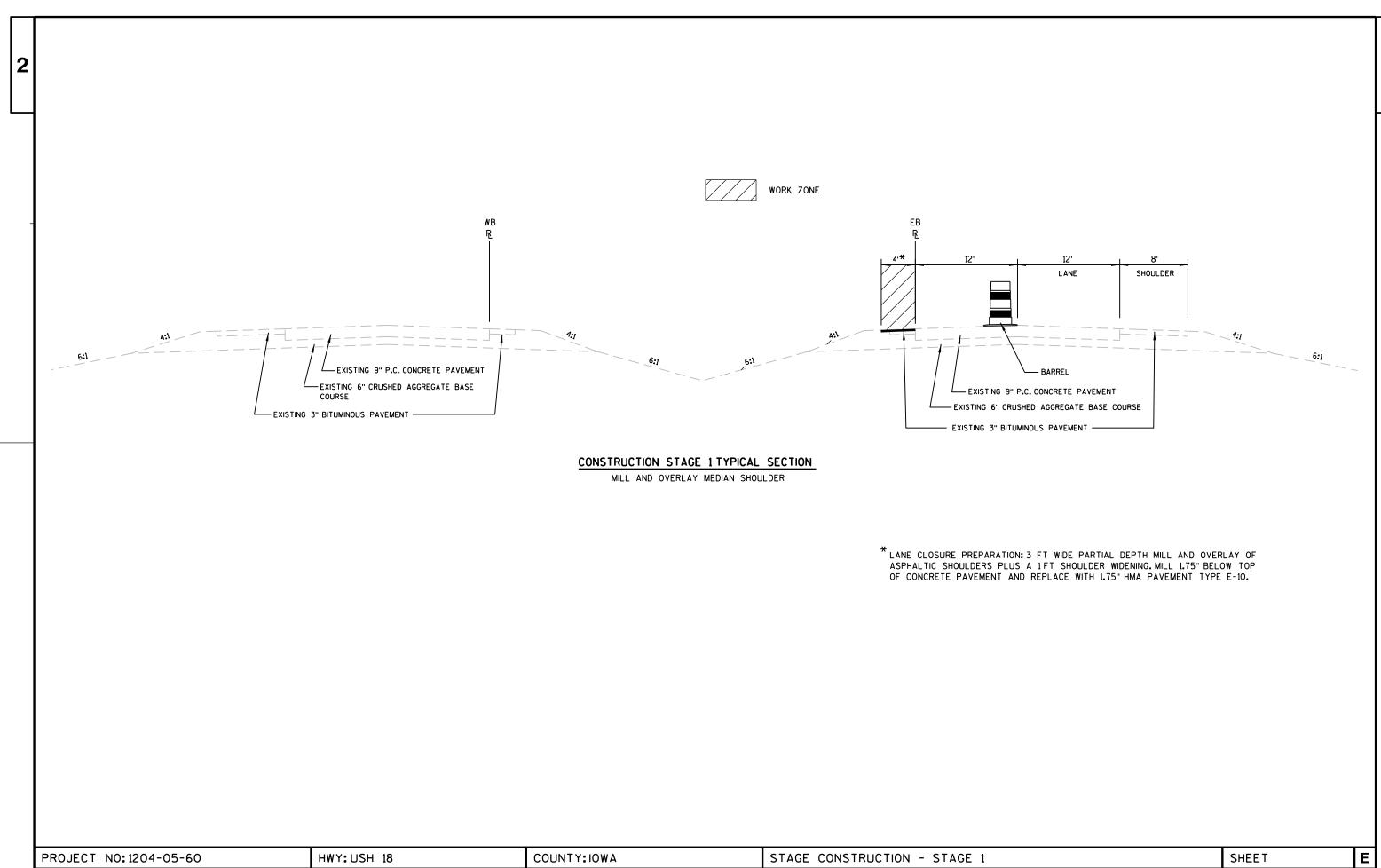
PLOT BY: dotsxa

PLOT NAME:

PLOT SCALE: 200.000000:1.000000

WISDOT/CADDS SHEET 42

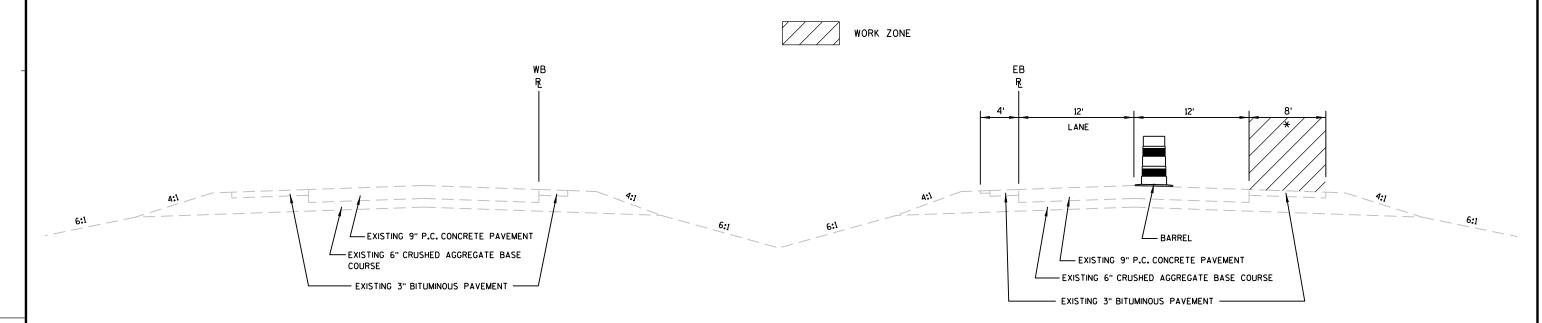




PLOT NAME :

PLOT DATE: 21-NOV-2012 08:31 FILE NAME : C:\Users\dotsxa\Desktop\026001\_s1.dgn PLOT BY : dotsxa PLOT SCALE: 200.000000:1.000000 WISDOT/CADDS SHEET 42





#### CONSTRUCTION STAGE 2 TYPICAL SECTION

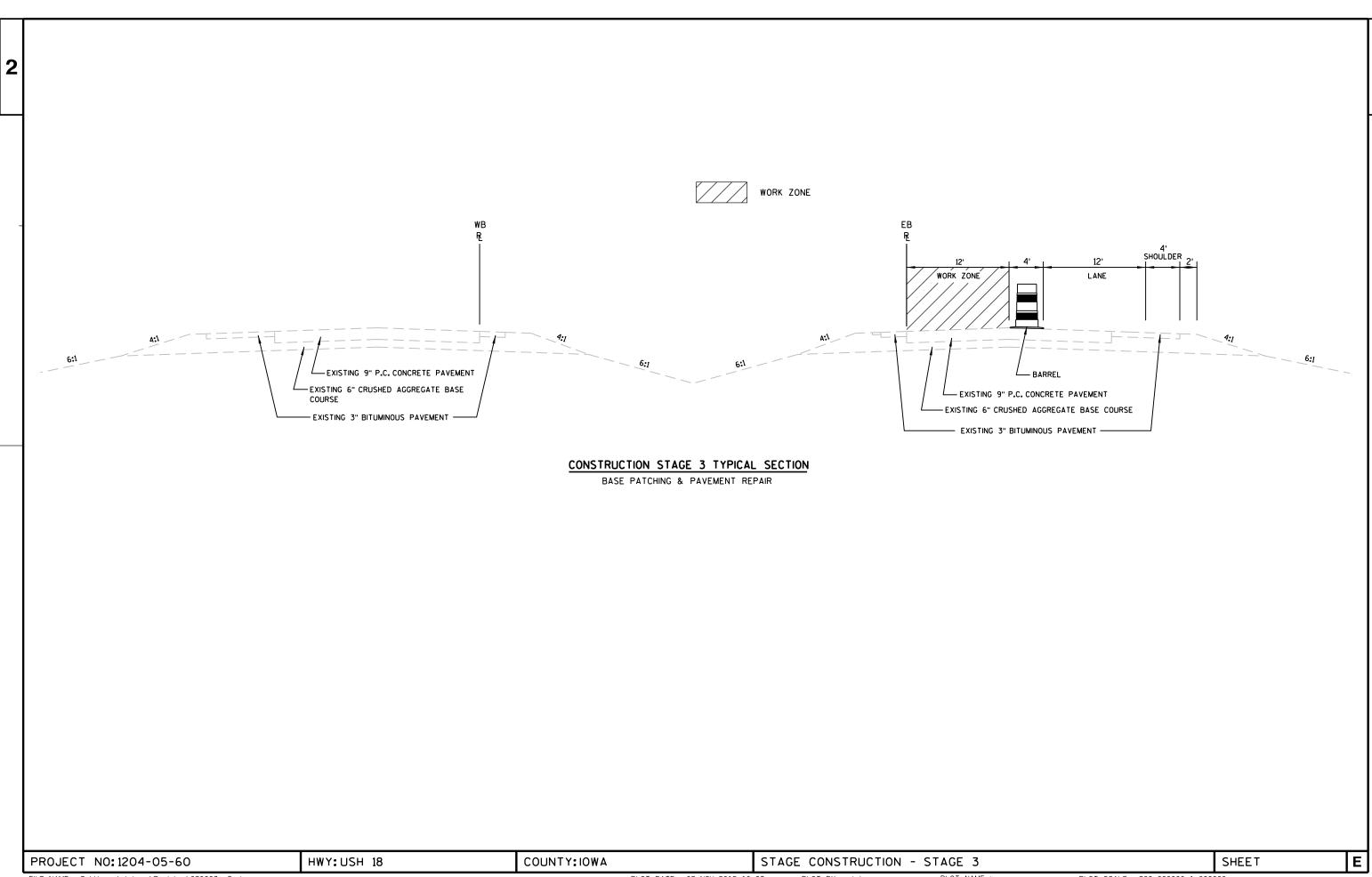
MILL AND OVERLAY OUTSIDE SHOULDER

PROJECT NO:1204-05-60 HWY:USH 18 COUNTY:IOWA STAGE CONSTRUCTION - STAGE 2 SHEET **E** 

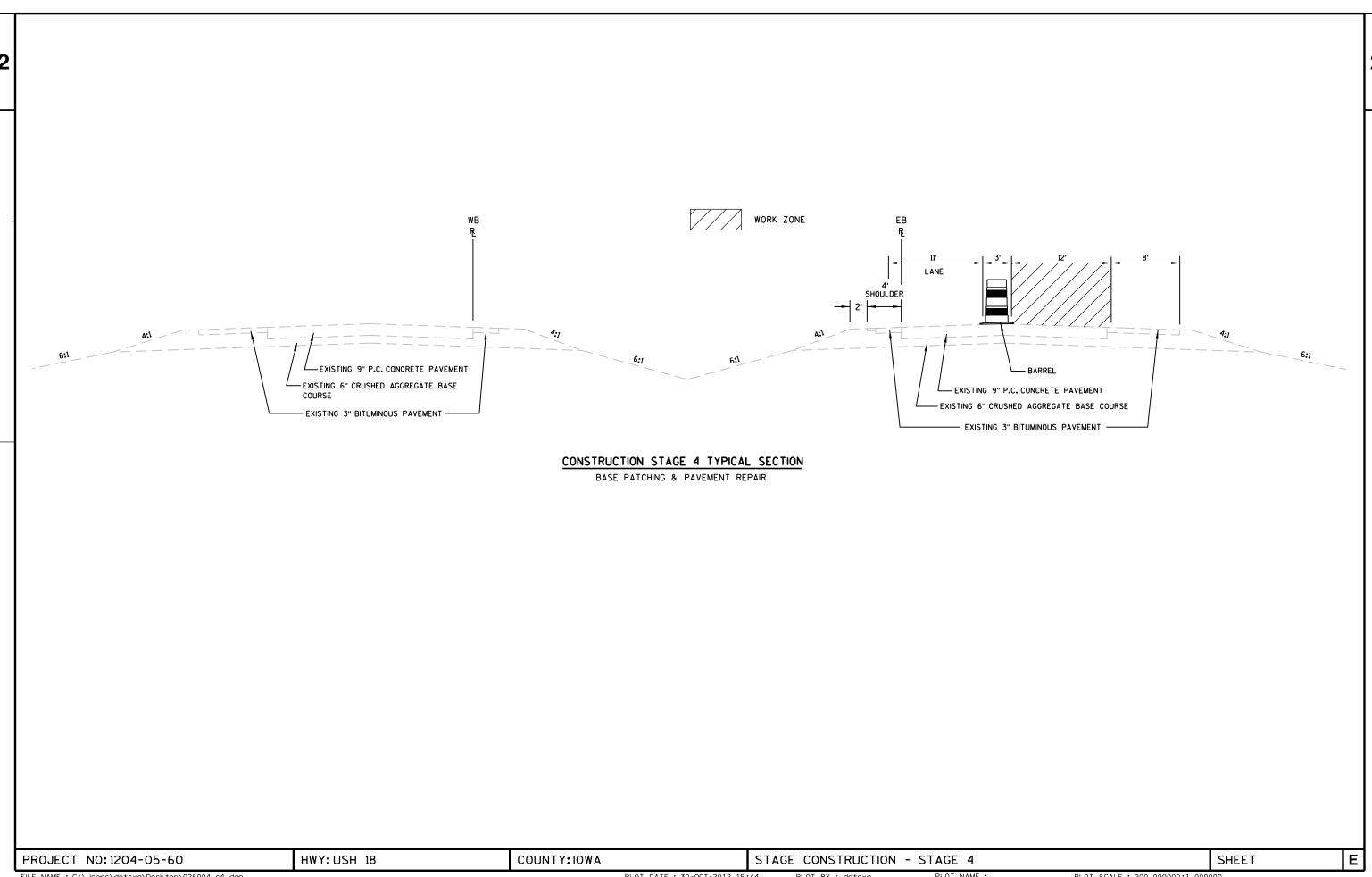
FILE NAME: C:\Users\dotsxa\Desktop\026002\_s2.dgn

PLOT DATE: 30-OCT-2012 15:33 PLOT BY: dotsxa PLOT NAME: PLOT SCALE: 200.000000:1.000000 wisDot/cadds Sheet 42

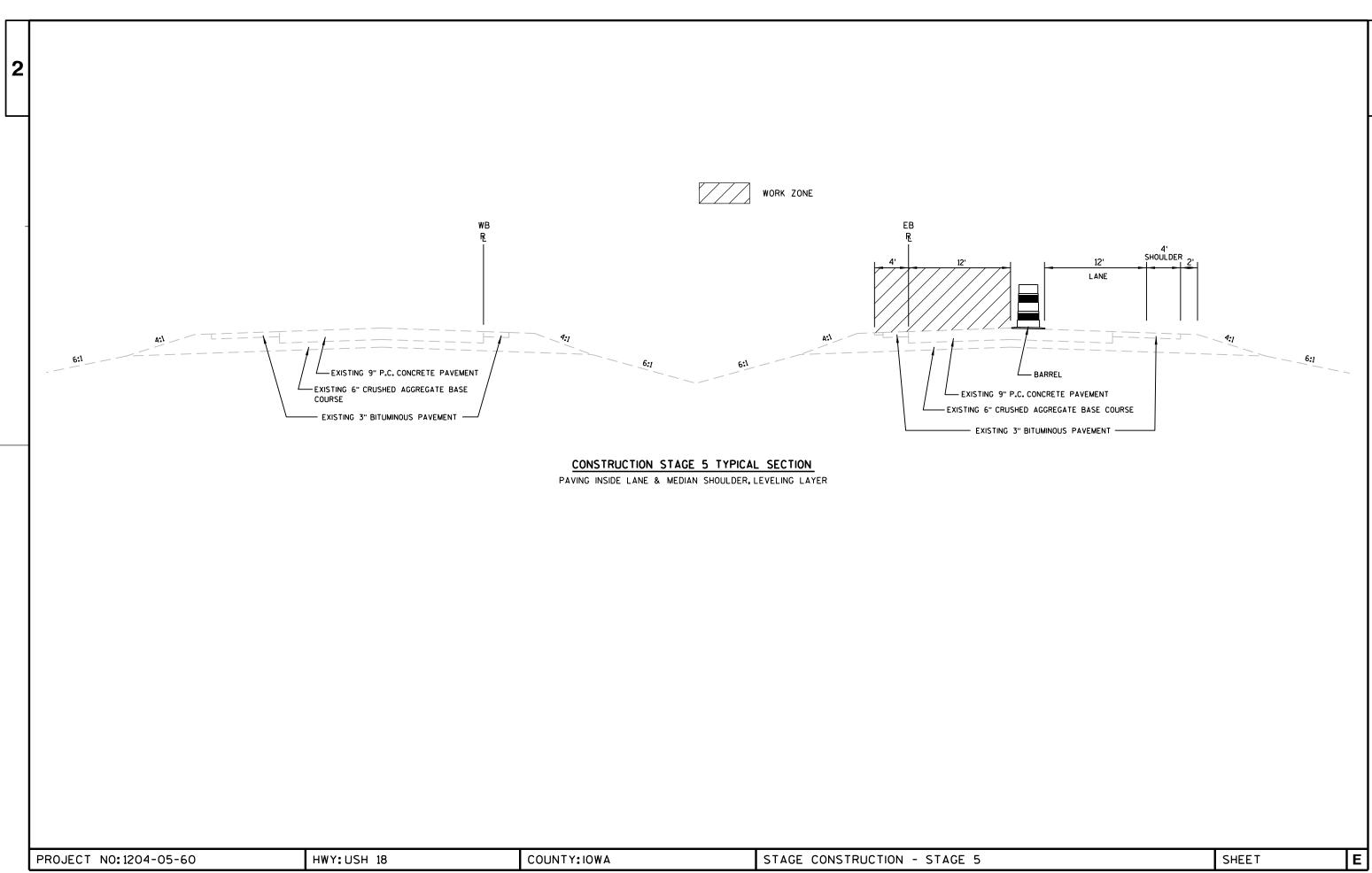
<sup>\*</sup>LANE CLOSURE PREPARATION: 4 FT WIDE PARTIAL DEPTH MILL AND OVERLAY OF ASPHALTIC SHOULDERS. MILL 1.75" BELOW TOP OF CONCRETE PAVEMENT AND REPLACE WITH 1.75" HMA PAVEMENT TYPE E-10.



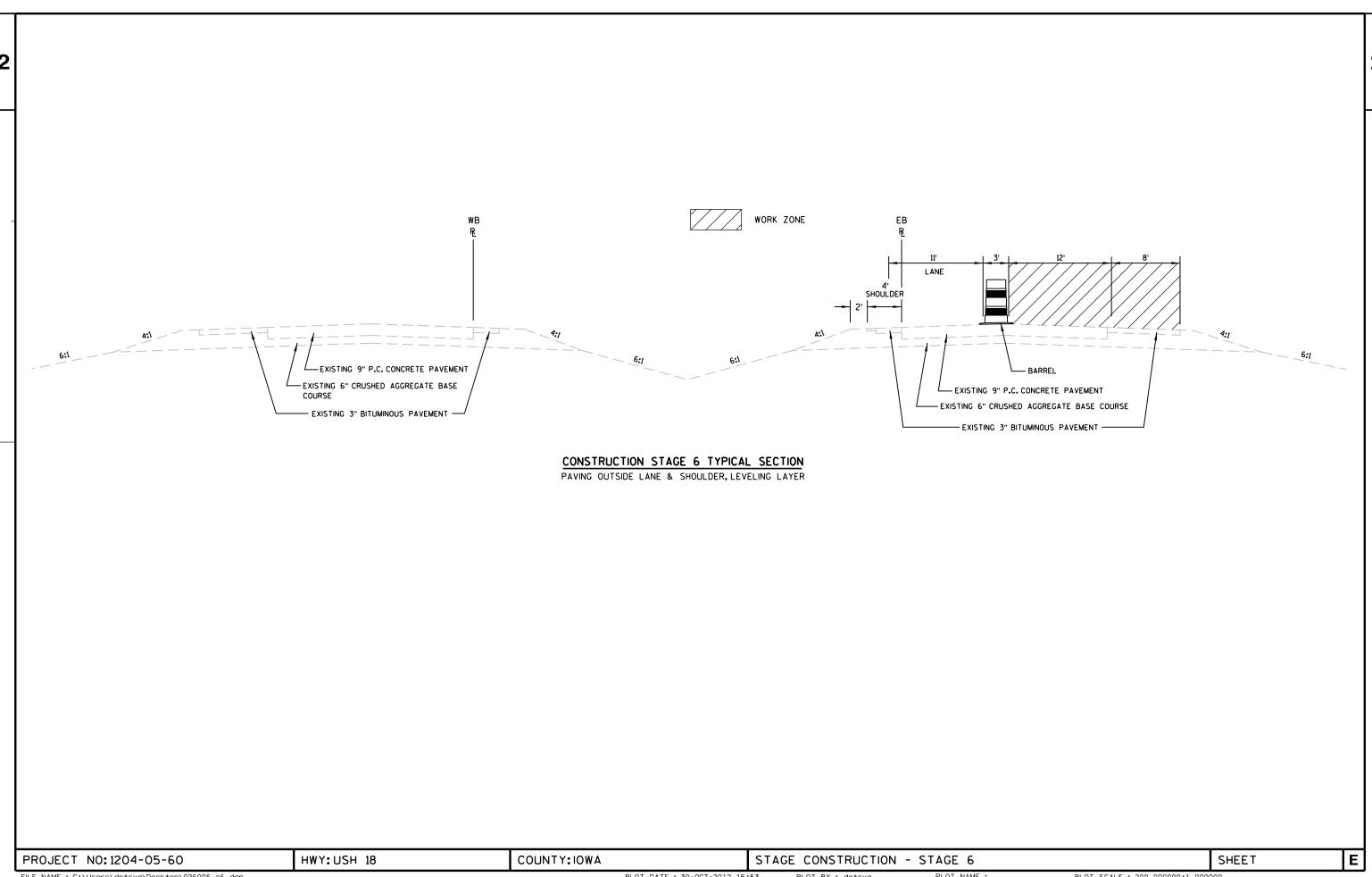
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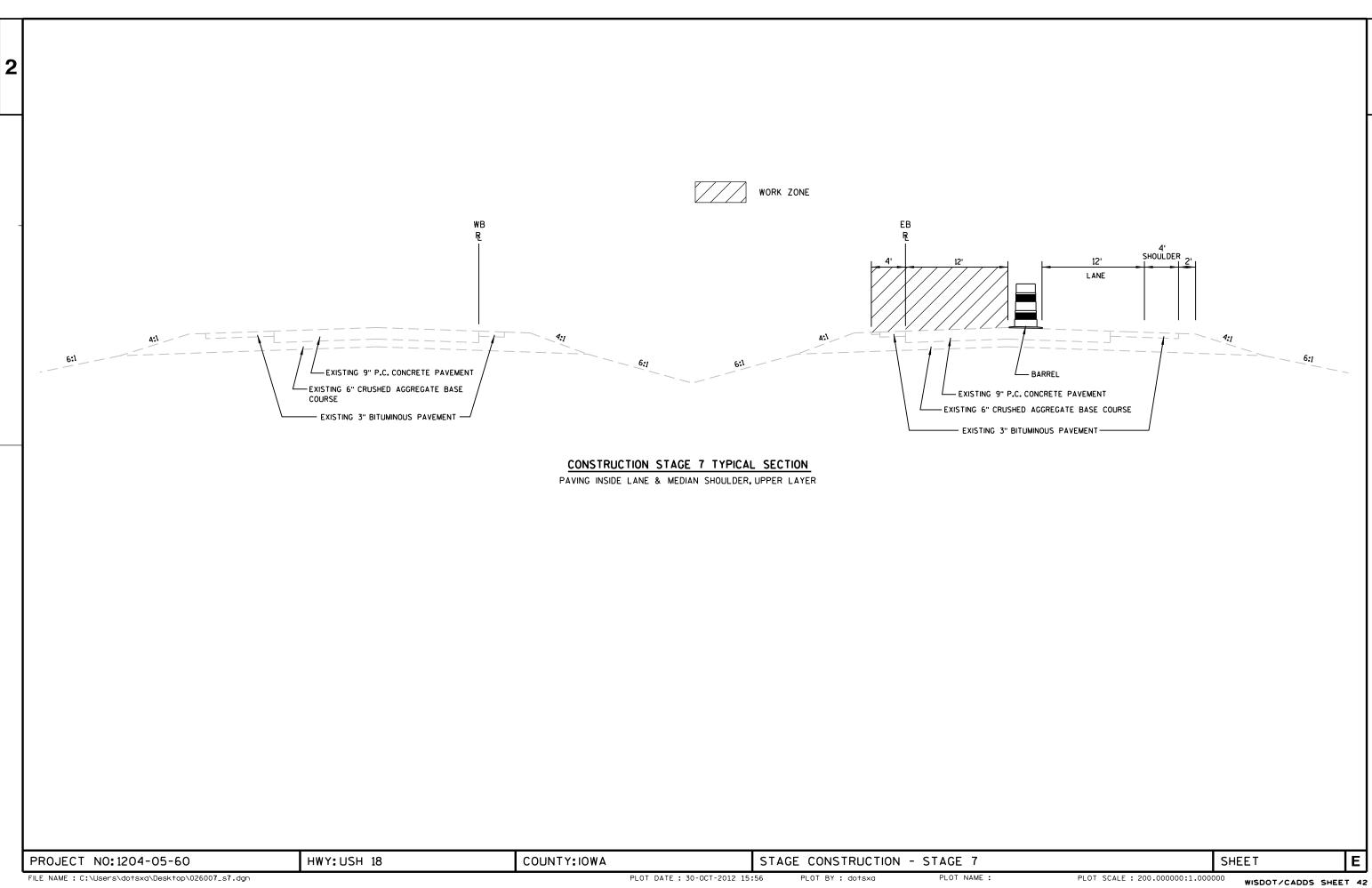
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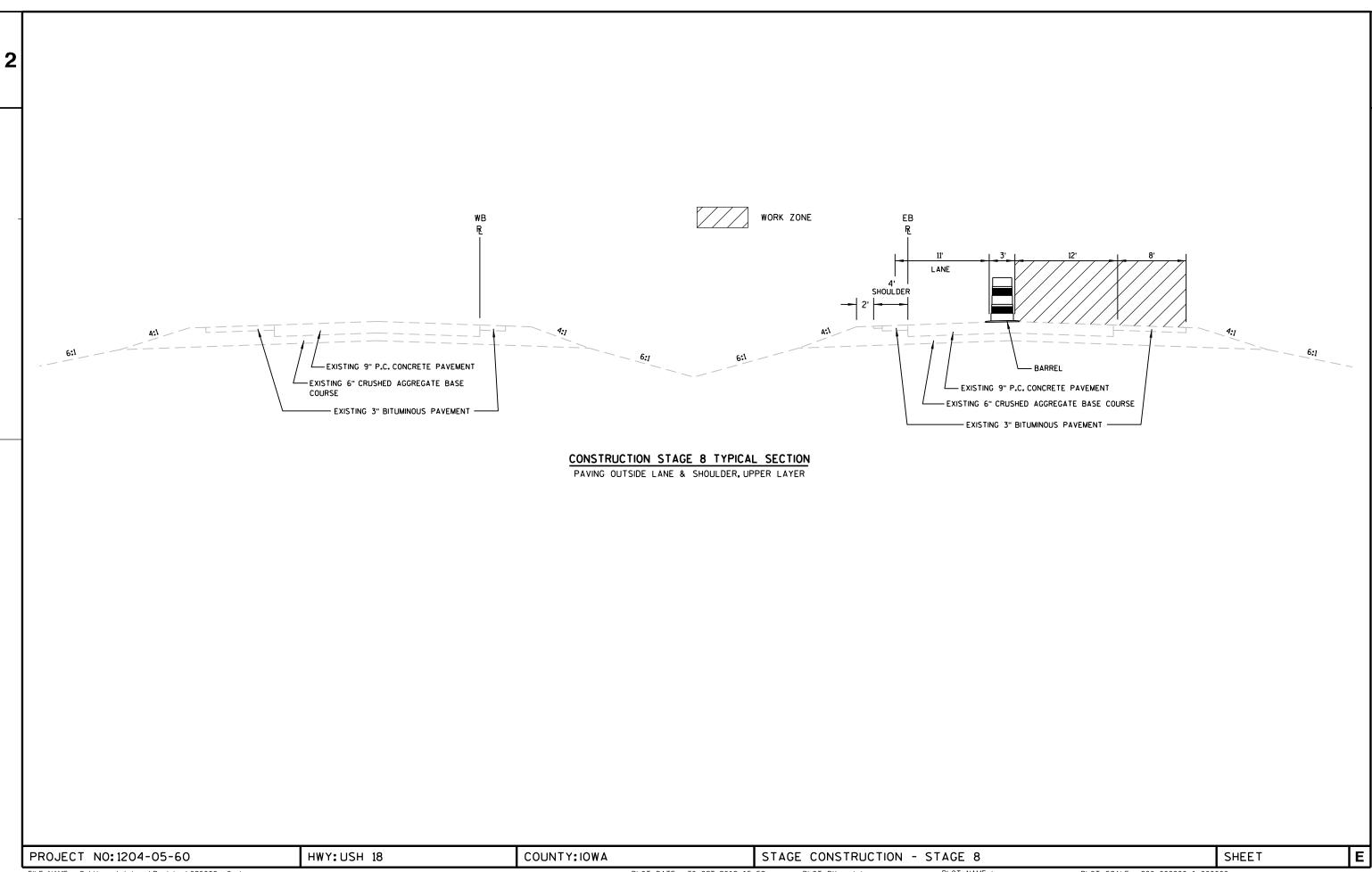


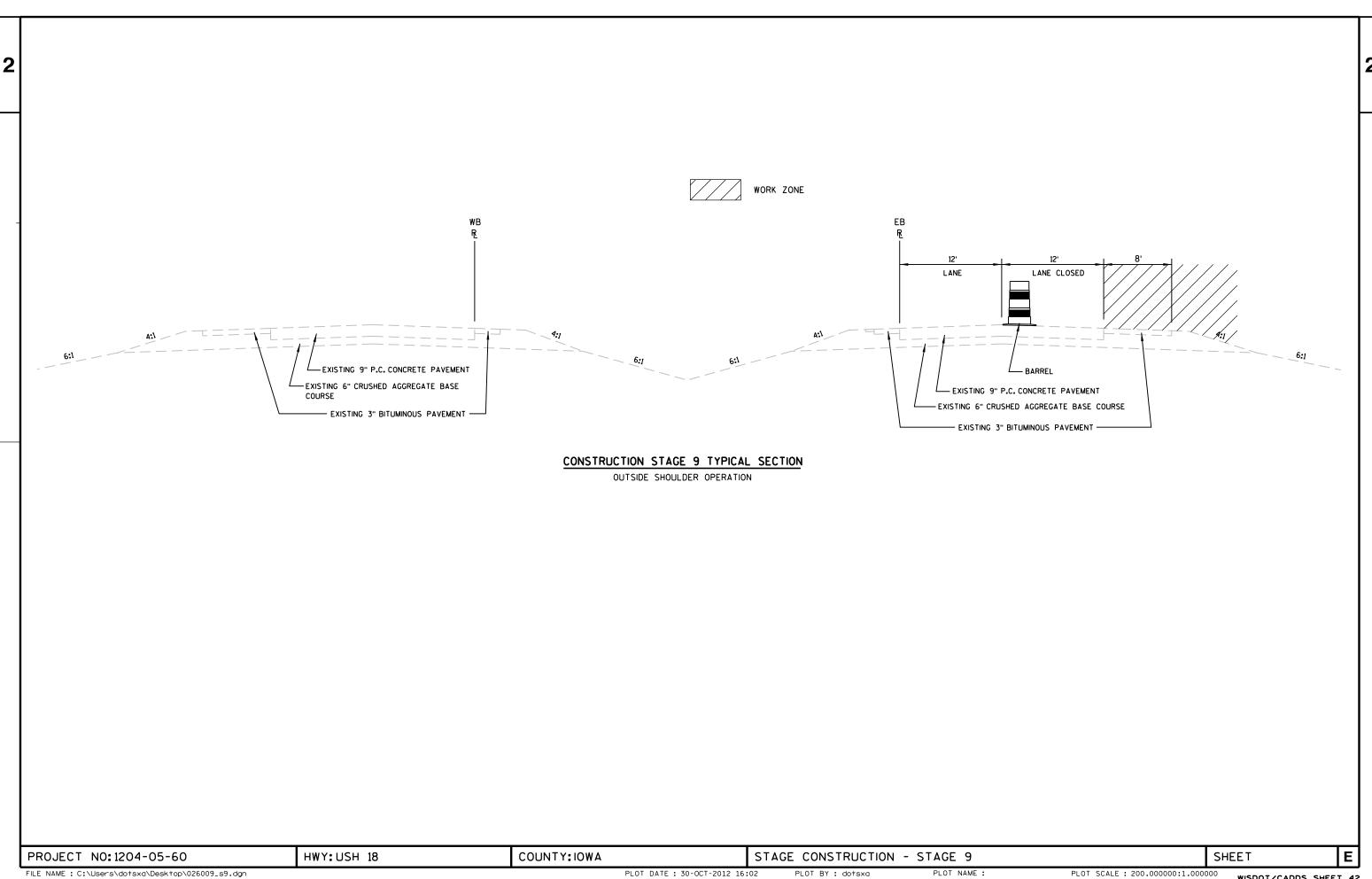
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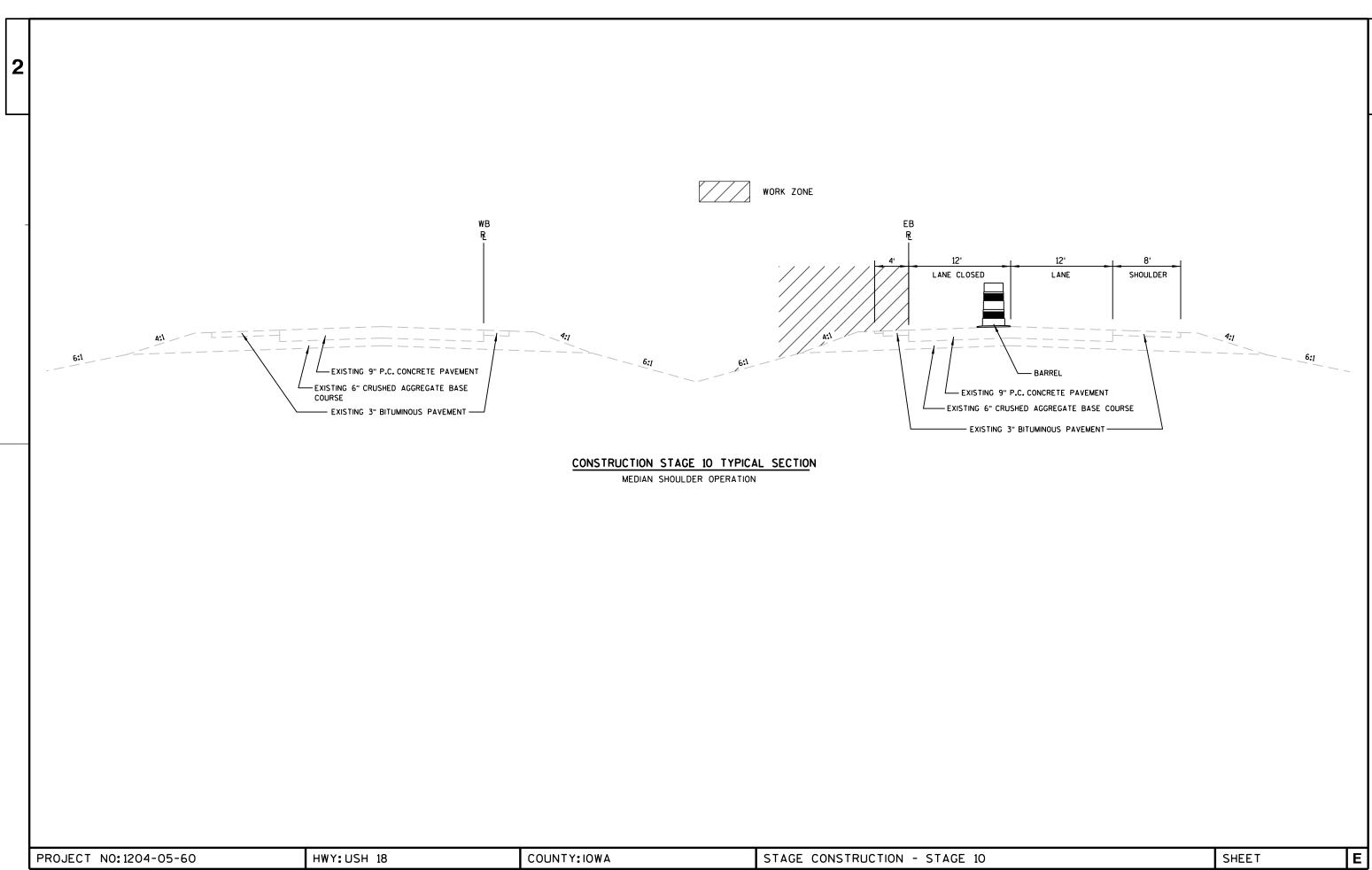


PLOT NAME : FILE NAME : C:\Users\dotsxa\Desktop\026006\_s6.dgn PLOT DATE: 30-OCT-2012 15:53 PLOT BY : dotsxa PLOT SCALE: 200.000000:1.000000









PLOT NAME : FILE NAME: C:\Users\dotsxa\Desktop\026010\_s10.dgn PLOT DATE: 30-0CT-2012 16:05 PLOT BY : dotsxa

DATE 12 LINE	MAR13	EST	IMAT	E O F Q U A N		
NUMBER	ITEM	ITEM DESCRIPTION	UNI T	TOTAL	1204-05-60 QUANTI TY	
0010	204. 0105	REMOVING PAVEMENT BUTT JOINTS	SY	940. 000	940. 000	
0010	204. 0105	REMOVING PAVEMENT BOTT JOINTS  REMOVING ASPHALTIC SURFACE BUTT JOINTS	SY	488. 000	488. 000	
0030	204. 0120	REMOVING ASPHALTIC SURFACE MILLING PREPARE FOUNDATION FOR ASPHALTIC	SY	9, 235. 000	9, 235. 000	
0040	211. 0400		STA	115. 000	115. 000	
0050	212 0100	SHOULDERS	FACII	1 000	1 000	
0050	213. 0100	FINISHING ROADWAY (PROJECT) 01.	EACH	1. 000	1. 000	
		1204-05-60				
0040	20E 0110	BASE AGGREGATE DENSE 3/4-INCH	TON	1, 535. 000	1, 535. 000	
0060	305. 0110					
0070	390. 0403	BASE PATCHING CONCRETE SHES	SY	1, 600. 000	1, 600. 000	
0800	416. 0610	DRILLED TIE BARS	EACH	216.000	216.000	
0090	416. 0620	DRILLED DOWEL BARS	EACH	1, 916. 000	1, 916. 000	
0100	440. 4410. S	INCENTIVE IRI RIDE	DOL	9, 000. 000	9, 000. 000	
0110	455 0405	ACDUALTIC MATERIAL DOES OF	TON	F00, 000	F00, 000	
0110	455. 0105	ASPHALTIC MATERIAL PG58-28	TON	522.000	522.000	
0120	455. 0605	TACK COAT	GAL	2, 610. 000	2, 610. 000	
0130	460. 1110	HMA PAVEMENT TYPE E-10	TON	9, 412. 000	9, 412. 000	
0140	460. 2000	INCENTIVE DENSITY HMA PAVEMENT	DOL	6, 030. 000	6, 030. 000	
0150	465. 0400	ASPHALTIC SHOULDER RUMBLE STRIP	LF	23, 660. 000	23, 660. 000	
01/6	(11 0100	AD HIGH NO CTEEL DI ATE DEAM CHARD		700 000	700 000	
0160	614. 0400	ADJUSTING STEEL PLATE BEAM GUARD	LF	700.000	700.000	
0170	614. 0950	REPLACING GUARDRAIL POSTS AND BLOCKS	EACH	4. 000	4. 000	
0180	618. 0100	MAINTENANCE AND REPAIR OF HAUL ROADS	EACH	1. 000	1. 000	
		(PROJECT) 01. 1204-05-60				
0190	619. 1000	MOBI LI ZATI ON	EACH	1. 000	1. 000	
0200	633. 0100	DELINEATOR POSTS STEEL	EACH	8. 000	8. 000	
				1/ 222	1, 222	
0210	633. 0500	DELINEATOR REFLECTORS	EACH	16. 000	16. 000	
0220	634. 0612	POSTS WOOD 4X6-INCH X 12-FT	EACH	2. 000	2. 000	
0230	634. 0616	POSTS WOOD 4X6-INCH X 16-FT	EACH	9. 000	9. 000	
0240	637. 0202	SIGNS REFLECTIVE TYPE II	SF	110. 000	110.000	
0250	638. 2602	REMOVING SIGNS TYPE II	EACH	13. 000	13. 000	
0260	638. 3000	REMOVING SMALL SIGN SUPPORTS	EACH	13.000	13.000	
0270	642. 5001	FIELD OFFICE TYPE B	EACH	1. 000	1. 000	
0280	643. 0100	TRAFFIC CONTROL (PROJECT) 01. 1204-05-60	EACH	1. 000	1. 000	
0290	643. 0300	TRAFFIC CONTROL DRUMS	DAY	6, 217. 000	6, 217. 000	
0300	643. 0420	TRAFFIC CONTROL BARRICADES TYPE III	DAY	325.000	325.000	
0310	643. 0715	TRAFFIC CONTROL WARNING LIGHTS TYPE C	DAY	1, 339. 000	1, 339. 000	
0320	643. 0800	TRAFFIC CONTROL ARROW BOARDS	DAY	31. 000	31. 000	
0330	643. 0900	TRAFFIC CONTROL SIGNS	DAY	810. 000	810. 000	
0340	643. 0920	TRAFFIC CONTROL COVERING SIGNS TYPE II	EACH	6. 000	6.000	
0350	643. 1050	TRAFFIC CONTROL SIGNS PCMS	DAY	59. 000	59.000	
0360	646. 0106	PAVEMENT MARKING EPOXY 4-INCH	LF	23, 700. 000	23, 700. 000	
0370	646. 0881. S	PAVEMENT MARKING GROOVED WET REFLECTIVE	LF	2, 970. 000	2, 970. 000	
		TAPE 4-INCH				
0380	649. 0200	TEMPORARY PAVEMENT MARKING REFLECTIVE	LF	1, 920. 000	1, 920. 000	
		PAINT 4-INCH		•	•	
0390	650. 8000	CONSTRUCTION STAKING RESURFACING	LF	11, 850. 000	11, 850. 000	
		REFERENCE		,	,	
0400	650. 9910	CONSTRUCTION STAKING SUPPLEMENTAL	LS	1. 000	1. 000	
	300. 7710	CONTROL (PROJECT) 01. 1204-05-60		1.000	1.000	
		33 (TROSEST) 31. 1207 00 00				
0.110	690. 0250	SAWI NG CONCRETE	LF	3, 500. 000	3, 500. 000	
()41()		C		5, 550. 550		
0410 0420	SPV. 0090	SPECIAL O1. CONCRETE JOINT AND CRACK	LF	1, 500. 000	1, 500. 000	

CONSTRUCTION STAKING RESURFACING REFERENCE

#### REMOVING ASPHALTIC SURFACE MILLING

#### PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS

		650.8000	
LOCATION		LF	
EB MAINLINE		11,850	
	TOTAL =	11.850	

STATION		204.0120
		SY
233+29 - 351+48	RT	5250
233+29 - 244+52	LT	380
244+52 - 245+02	LT	25
245+02 - 252+62	LT	260
252+62 - 254+14	LT	70
254+14 - 284+37	LT	1000
284+37 - 284+87	LT	25
284+87 - 301+33	LT	550
301+33 - 301+83	LT	25
301+83 - 351+48	LT	1650
	TOTAL =	9,235

SI	TATION	211.0400
		STA
233+29 - 244+52	LT	11
245+02 - 252+62	LT	7
254+14 - 284+37	LT	30
284+87 - 301+33	LT	17
301+83 - 351+48	LT	50
	TOTAL =	115

#### REMOVING JOINTS

		204.0105	204.0115	
		REMOVING PAVEMENT	REMOVING ASPHALTIC	
STAT	TION	BUTT JOINTS	SURFACE BUTT JOINTS	
		SY	SY	REMARKS
224+21	LT/RT	470	220	BEGIN PROJECT
244+77	LT	_	12	MAINTENANCE CROSSOVER
253+77	LT	_	12	MAINTENANCE CROSSOVER
284+62	LT	_	12	MAINTENANCE CROSSOVER
301+58	LT	_	12	MAINTENANCE CROSSOVER
348+98	LT/RT	470	220	END PROJECT
	TOTAL=	940	488	

#### CONCRETE BASE PATCHING AND CONCRETE JOINT REPAIR

		390.0403	416.0610	416.0620	690.0250	SPV.0090.01
		BASE PATCHING	DRILLED	DRILLED	SAWING	CONCRETE JOINT
		CONCRETE SHES	TIE BARS	DOWEL BARS	CONCRETE	AND CRACK REPAIR
LOCATION		SY	EACH	EACH	LF	LF
EB MAINLINE INSIDE LANE		800	108	608	1,750	
EB MAINLINE OUTSIDE LANE		800	108	608	1,750	
UNDISTRIBUTED				700		1500
	TOTAL =	1,600	216	1,916	3,500	1500

### HMA PAVEMENT

		455.0105	455.0605	460.1110
		ASPHALTIC MATERIAL	TACK COAT	HMA PAVEMENT
STATION		PG58-28		TYPE E-10
		TON	GAL	TON
EB MAINLINE AND SHOULDER				
233+29 - 351+48		420	2,350	7,620
SHOULDER MILL AND OVERLAY (STAGE	1 & 2)			
233+29 - 351+48	LT	30	130	515
233+29 - 351+48	RT	30	130	515
<u>UNDISTRIBUTED</u>				
		42		762
	TOTAL =	522	2,610	9,412

#### ASPHALTIC SHOULDER RUMBLE STRIP

		465.0400
LOCATION		LF
EB MAINLINE INSIDE SHOULDER		11,820
EB MAINLINE OUTSIDE SHOULDER		11,840
	TOTAL =	23,660

PROJECT NO:1204-05-60 HWY:USH 18 COUNTY:IOWA MISCELLANEOUS QUANTITIES SHEET E

FILE NAME : R:\Projects\d1\_12040530\030201\_mq.dgn PLOT DATE : 27-FEB-2013 14:05 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 200.000000:1.000000 WISDOT/CADDS SHEET 43

ADJUSTING BEAM GUARD

ST	TATION	305.0110 TON
233+29 - 351+48	RT	750
233+29 - 244+64	LT	75
244+90 - 253+64	LT	55
253+90 - 284+49	LT	200
284+75 - 301+45	LT	110
301+71-351+48	LT	320
UNDISTRIBUTED		25
	TOTAL =	1,535

BASE AGGREGATE DENSE 3/4 - INCH

		614.0400 ADJUSTING STEEL PLATE	614.0950 REPLACING GUARDRAIL POSTS
5	STATION	BEAM GUARD LF	AND BLOCKS EACH
284+70 - 291+60	RT	700	4
	TOTAL =	700	4

#### REMOVING SIGNS AND SIGN SUPPORTS

638.2602 638.3000

SIGN NO.	STAT	TON	REMOVING SIGNS TYPE II EACH	REMOVING SMALL SIGN SUPPORTS EACH	SIGNMESSAGE
R1-1	231+85	RT	1	1	ADOPT A HWY: DODGEVILLE EDUCATION ASSOCIATION
R1-2	241+20	RT	1	1	MILE 48
R1-3	244+53	LT	1	1	NO U-TURN
R1-4	245+00	LT	1	1	NO U-TURN
R2-1	253+41	LT	1	1	NO U-TURN
R2-2	254+06	LT	1	1	NO U-TURN
R3-1	284+41	LT	1	1	NO U-TURN
R3-2	284+83	LT	1	1	NO U-TURN
R3-3	294+73	RT	1	1	MILE 49
R3-4	301+36	LT	1	1	NO U-TURN
R3-5	301+80	LT	1	1	NO U-TURN
R4-1	330+83	LT	1	2	WISCONSIN ROAD EMERGENCY INFORMATION
R4-2	330+83	LT	1		WISCONSIN ROAD EMERGENCY INFORMATION
		TOTAL =	13	13	

#### SIGN AND SIGN SUPPORTS

POSTS WOOD 637.0202 634.0612 634.0616

SIGN NO.	STAT	ION	SIGN CODE	INCH	SIGN SIZ X	ZE INCH	SIGNS REFLECTIVE TYPE II SF	4 X 6 INCH 12 FT EACH	4 X 6 INCH 16 FT EACH	SIGN MESSAGE
1-1	231+83	RT	<b>I</b> 55-56	30	Χ	36	8		1	ADOPT A HWY: DODGEVILLE EDUCATION ASSOCIATION
1-2	241+20	RT	D10-2	12	Χ	36	3	1		MILE 48
1-3	244+51	LT	R3-4B	36	Χ	48	12		1	NO U-TURN
1-4	245+04	LT	R3-4B	36	Χ	48	12		1	NO U-TURN
2-1	253+54	LT	R3-4B	36	Χ	48	12		1	NO U-TURN
2-2	254+06	LT	R3-4B	36	Χ	48	12		1	NO U-TURN
3-1	284+38	LT	R3-4B	36	Χ	48	12		1	NO U-TURN
3-2	284+86	LT	R3-4B	36	Χ	48	12		1	NO U-TURN
3-3	294+73	RT	D10-2	12	Χ	36	3	1		MILE 49
3-4	301+32	LT	R3-4B	36	Χ	48	12		1	NO U-TURN
3-5	301+82	LT	R3-4B	36	Χ	48	12		1	NO U-TURN
						TOTAL =	110	2	9	

PROJECT NO: 1204-05-60

HWY: USH 18

COUNTY: IOWA

MISCELLANEOUS QUANTITIES

PLOT DATE: 25-JAN-2013 16:03 PLOT BY: dotsxa PLOT NAME : FILE NAME: C:\Users\dotsxa\Desktop\030201\_mq.dgn PLOT SCALE: 200.000000:1.000000

SHEET

WISDOT/CADDS SHEET 43

**DELINEATORS** 

		633.0100	633.0500
STAT	TON	DELINEATOR	DELINEATOR
		POSTS STEEL	REFLECTORS YELLOW
		EACH	EACH
244+54	LT	1	2
245+04	LT	1	2
253+43	LT	1	2
253+98	LT	1	2
284+37	LT	1	2
284+83	LT	1	2
301+32	LT	1	2
301+80	LT	1	2
	TOTAL =	8	16

TRAFFIC CONTROL ITEMS

		643.0300 TRAFFIC CONTROL	643.0420 TRAFFIC CONTROL	643.0715 TRAFFIC CONTROL	643.0800 TRAFFIC CONTROL	643.0900 TRAFFIC CONTROL	643.1050 TRAFFIC CONTROL
	LENGTH	DRUMS	BARRICADES	WARNING LIGHTS	ARROW BOARDS	SIGNS	SIGNS PCMS
	CALENDAR		TYPE III	TYPE C			
STAGE	DAYS	DAY	DAY	DAY	DAY	DAY	DAY
PREWARNING	7	<del>-</del>	<del>-</del>	<del>-</del>	<del>-</del>	_	14
STAGE 1	4	688	40	136	4	80	4
STAGE 2	3	693	33	159	3	66	3
STAGE 3	6	1,032	60	204	6	120	6
STAGE 4	7	1,617	77	371	7	266	21
STAGE 5	1	172	10	34	1	20	1
STAGE 6	1	231	11	53	1	38	1
STAGE 7	2	344	20	68	2	40	2
STAGE 8	2	462	22	106	2	76	2
STAGE 9	2	462	22	106	2	44	2
STAGE 10	3	516	30	102	3	60	3
TOTAL =	38	6.217	325	1.339	31	810	59

643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II

STAGE	110111	IO GONTINOE GOVERNING GIOI	10111211		
	EACH	NUMBER OF CYCLES	NUMBER OF SIGNS	MESSAGE	
STAGE 1& 2	1	1	1	SPEED LIMIT 65	
STAGE 3	1	1	1	SPEED LIMIT 65	
STAGE 4	1	1	1	SPEED LIMIT 65	
STAGE 5 & 6	1	1	1	SPEED LIMIT 65	
STAGE 7 & 8	1	1	1	SPEED LIMIT 65	
STAGE 9 & 10	1	1	1	SPEED LIMIT 65	
TOTAL =	6				

PAVEMENT MARKING

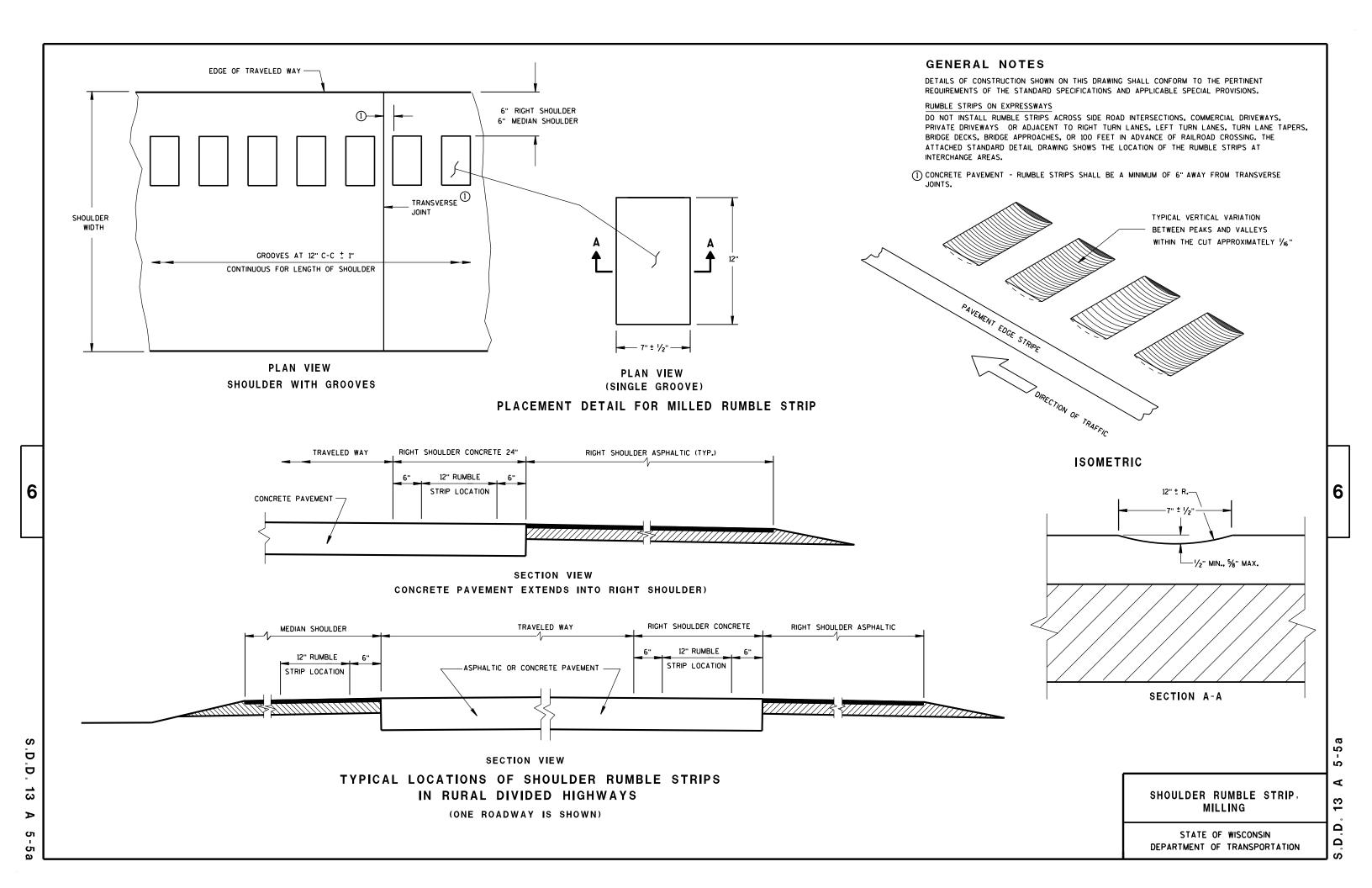
	646.0106	646.0106	646.0881.S	649.0200
	PAVEMENT MARKING	PAVEMENT MARKING	PAVEMENT MARKING	TEMPORARY PAVEMENT
	EPOXY 4-INCH	EPOXY 4-INCH	GROOVED WET	MARKING REFLECTIVE
			REFLECTIVE TAPE 4-INCH	PAINT 4-INCH
	(WHITE EDGELINE)	(YELLOW EDGELINE)	(LANELINE)	(LANELINE)
LOCATION	LF	LF	LF .	LF .
EB MAINLINE	11,850	11,850	2,970	1,920
	TOTAL =	23,700	2,970	1,920

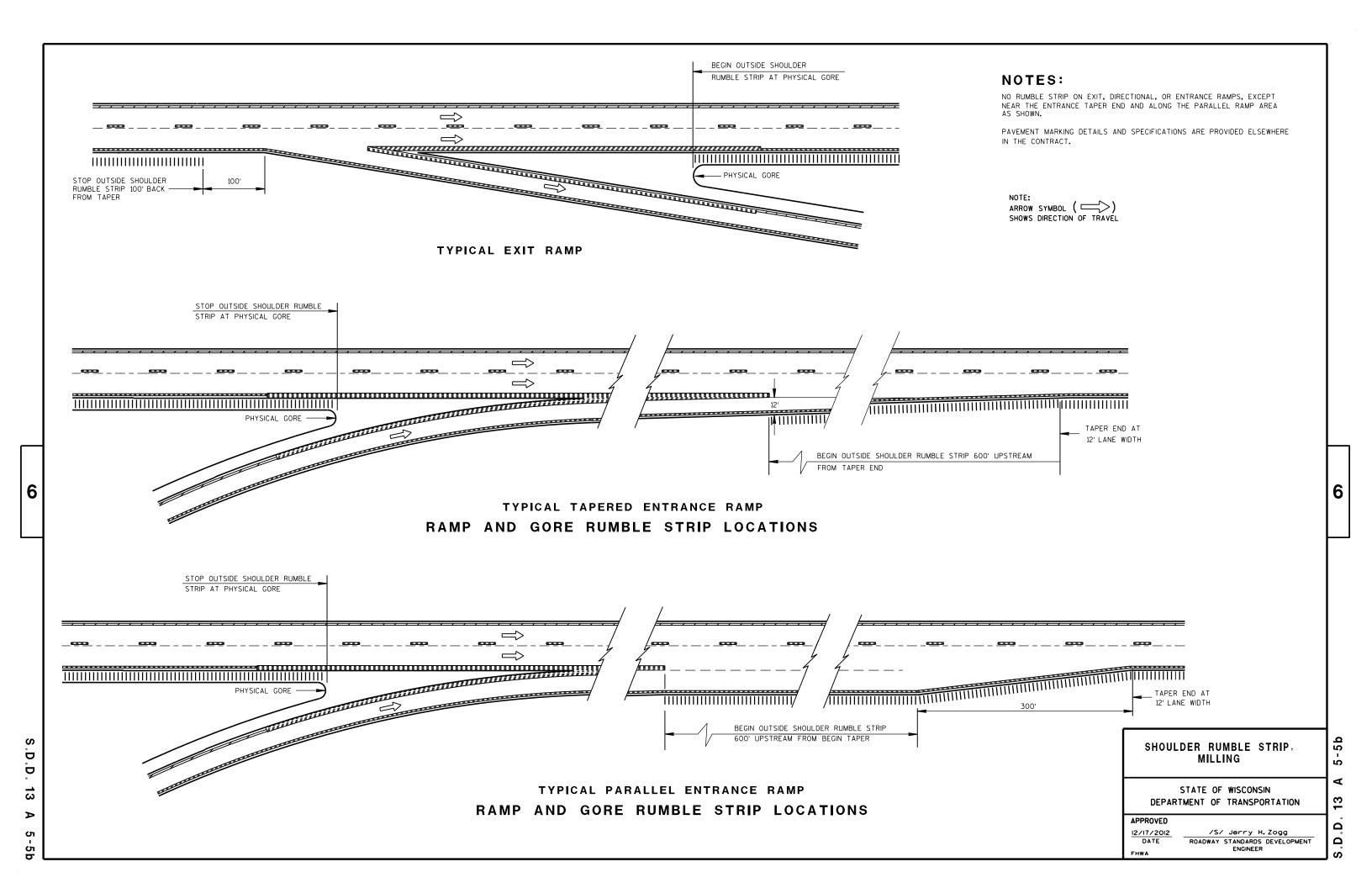
PROJECT NO: 1204-05-60 HWY: USH 18 COUNTY: IOWA MISCELLANEOUS QUANTITIES SHEET E

# Standard Detail Drawing List

13A05-05A	SHOULDER RUMBLE STRIP, MILLING
13A05-05B	SHOULDER RUMBLE STRIP, MILLING
13C14-04A	BASE PATCHING CONCRETE
13C14-04B	BASE PATCHING CONCRETE
13C14-04C	BASE PATCHING CONCRETE
14B15-07A	STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS
14B15-07B	STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS
14B15-07C	STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS
15A02-07	DELINEATOR POST, DELINEATOR BRACKET AND DELINEATOR
15C08-15A	PAVEMENT MARKING (MAINLINE)
15D12-02	TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 M.P.H.
15D15-01	TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE
15D27-01	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH

6





PROVIDE 6-FOOT MINIMUM DISTANCE FROM BOUNDARIES OF CONCRETE REPAIR AREAS TO ADJACENT TRANSVERSE JOINT OR CRACK.

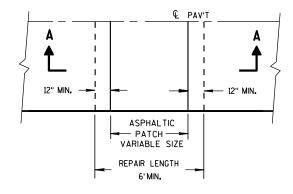
THE LENGTH OF THE REPAIRS MAY VARY FROM THE DIMENSIONS SHOWN IF THE EXISTING CONCRETE PAVEMENT IS NONDOWELED AND THE PAVEMENT IS TO BE OVERLAID AFTER REPAIRING.

1) DOWEL BARS MIGHT NOT EXIST.

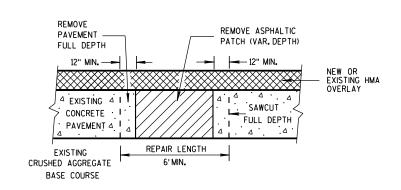
WIDTH

LANE

WIDTH

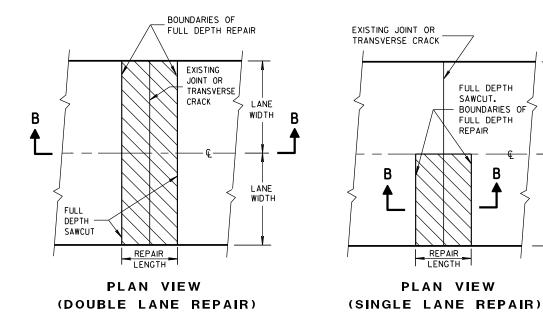


**PLAN VIEW** 



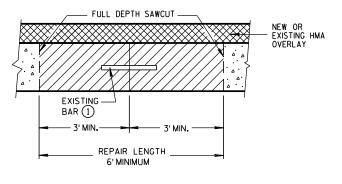
SECTION A-A

HMA PATCH REMOVAL



FULL DEPTH CONCRETE PAVEMENT REMOVAL

(SEE NOTE)



SECTION B-B
CONCRETE REMOVAL

BASE PATCHING CONCRETE

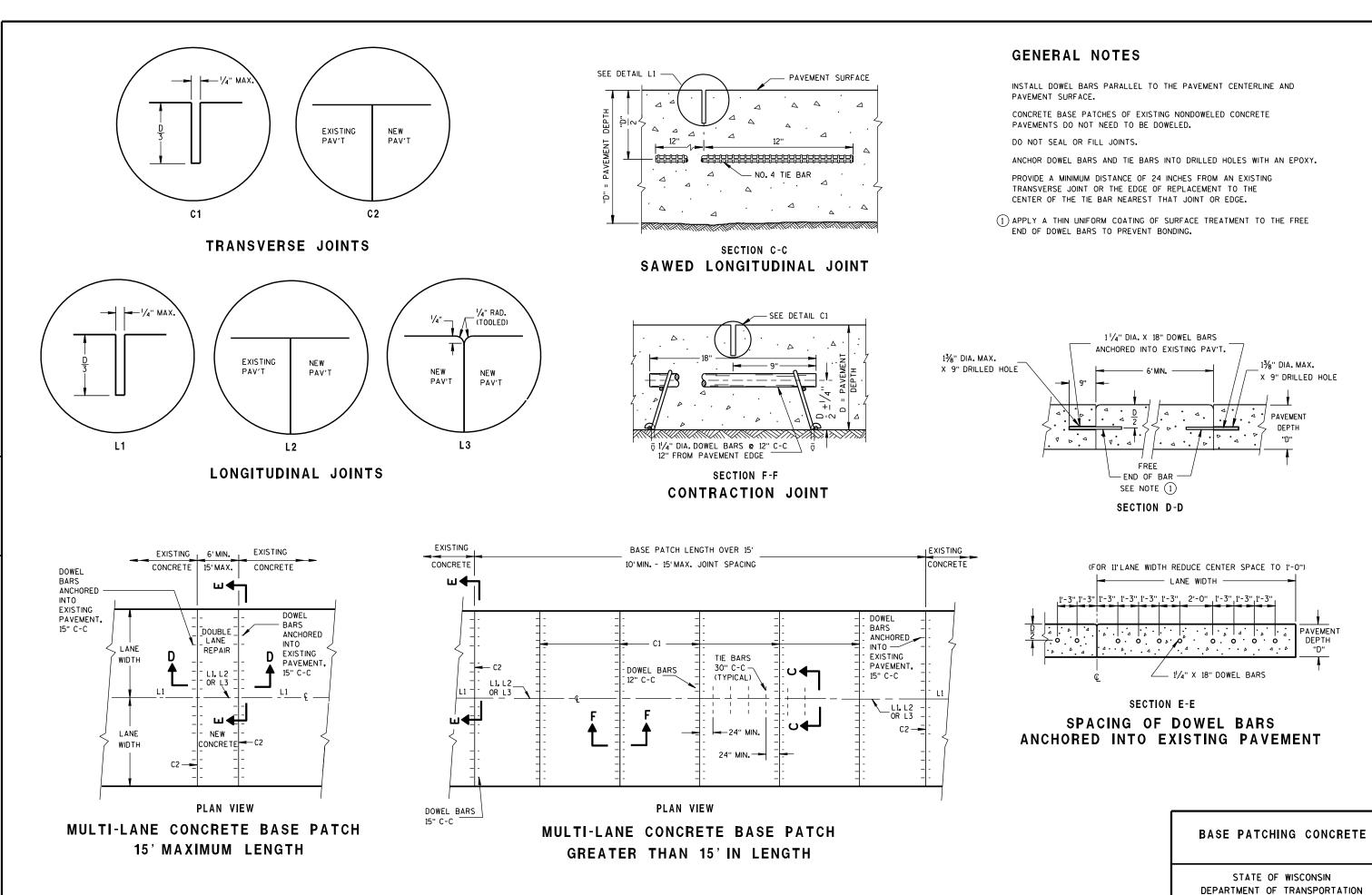
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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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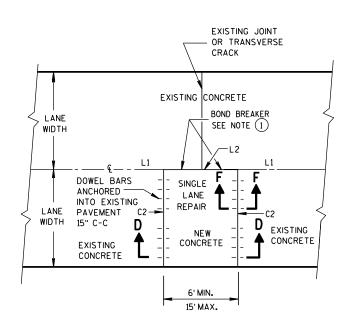
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# TIE BARS ANCHORED INTO EXISTING PAVEMENT

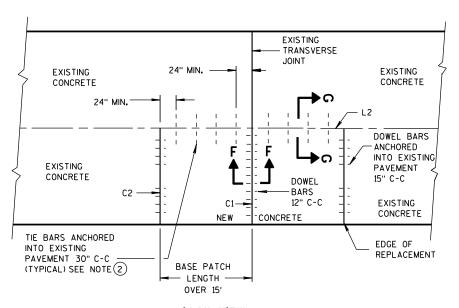
SECTION G-G



PLAN VIEW

SINGLE LANE CONCRETE BASE PATCH

15' MAXIMUM LENGTH



PLAN VIEW
SINGLE LANE CONCRETE BASE PATCH
GREATER THAN 15' IN LENGTH

# **GENERAL NOTES**

- (1) USE AN ENGINEER-APPROVED BOND BREAKER FOR SINGLE LANE BASE PATCHES UP TO 15 FEET IN LENGTH.
- 2 WITH THE APPROVAL OF THE ENGINEER, FOR SINGLE LANE PAVEMENT REPLACEMENTS LESS THAN 30 FEET IN LENGTH, DRILLED TIE BARS MAY BE INSTALLED ON 6:1 SKEW HORIZONTALLY, DIRECTION OF SKEW ALTERNATING WITH EACH SUCCESSIVE BAR. DRIVE SKEWED TIE BARS TO A DEPTH OF 6 INCHES AND TO SUCH A DIAMETER AS TO PROVIDE A TIGHT DRIVEN FIT.

BASE PATCHING CONCRETE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

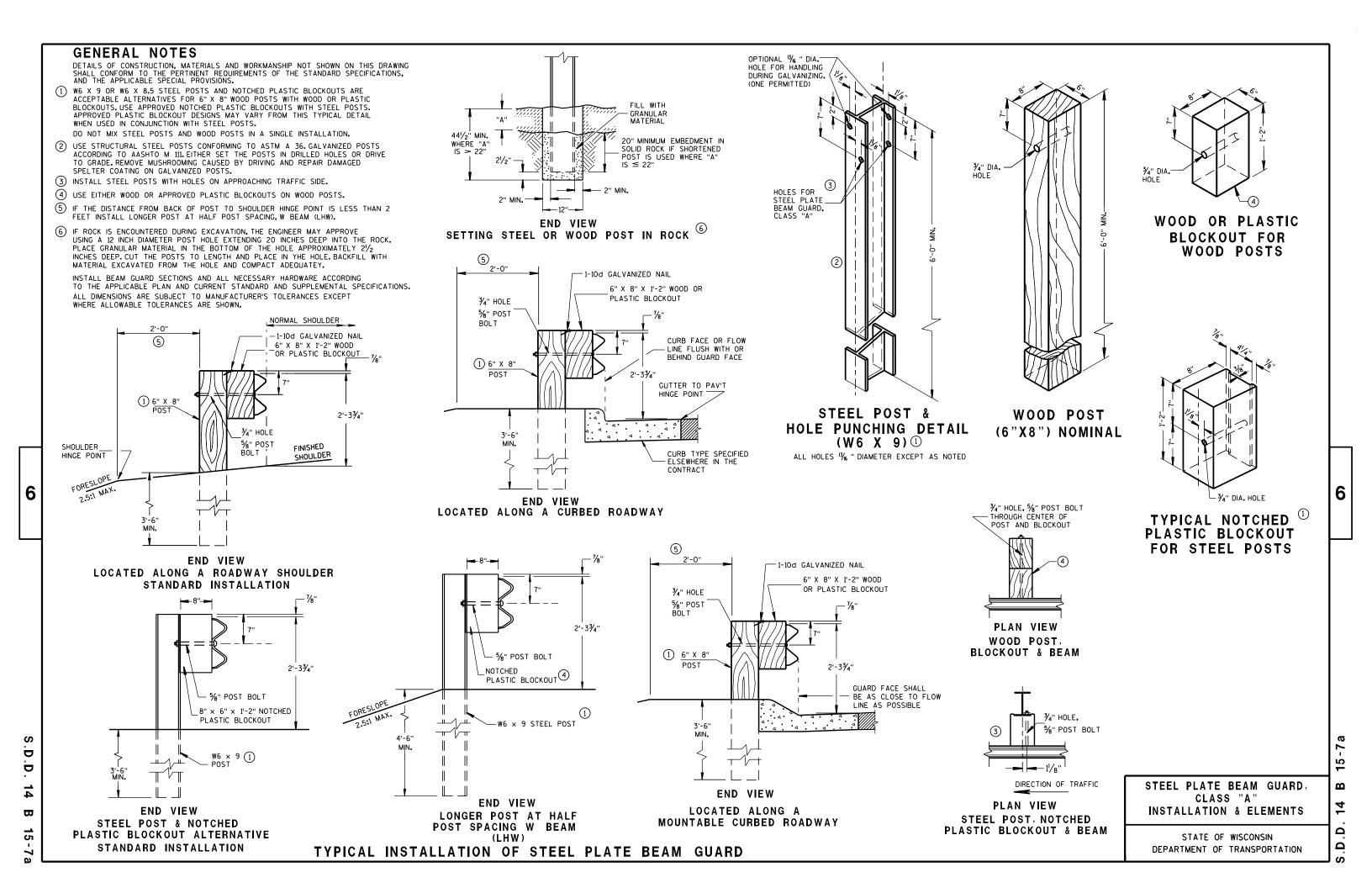
| 12-II-2009 | /S/ Deb Bischoff | PAVEMENT POLICY & DESIGN ENGINEER

S.D.D. 13 C 14-

6

D.D. 13 C 14

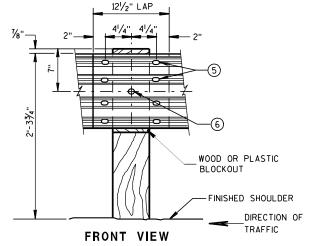
6



POST SPACING STANDARD INSTALLATION

SYMMETRICAL TABOUT € ∕-12 GAGE

SECTION THRU W BEAM



BEAM SPLICE AT WOOD POST AND POST MOUNTING DETAIL

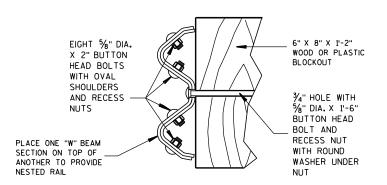
# **GENERAL NOTES**

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

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

FRONT VIEW BEAM SPLICE AT STEEL POST

# TYPICAL SPLICING DETAILS OF STEEL PLATE BEAM GUARD



**NESTED W BEAM (NW)** 

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

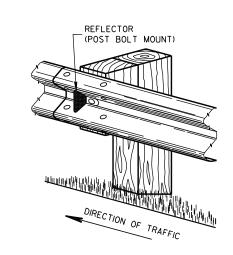
	-	12'-6" OF EFFECTIVE LEN		-	l					
	3'-11/2" C-C	3'-1 <sup>1</sup> / <sub>2</sub> " C-C	3'-1½" C-C	3'-11/2" C-C						
İ	POST SPACING	POST SPACING	POST SPACING	POST SPACING						
				•						
	-	-	+ +		2'-3¾''					
FINISHED _ DIRECTION OF										
	-									

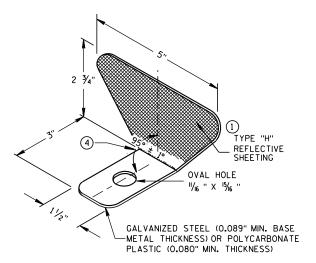
FRONT VIEW

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

# REFLECTOR SPACING

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





ONE SIDED REFLECTOR DETAIL AND TYPICAL INSTALLATION

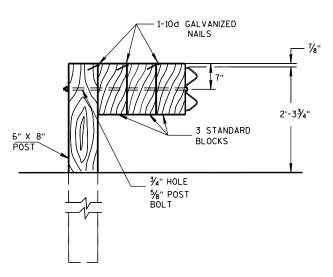
STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION 6

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- 1-10d GALVANIZED NAILS

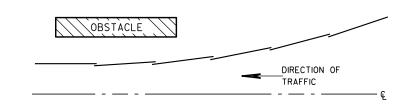


### DETAIL FOR TRIPLE BLOCKS

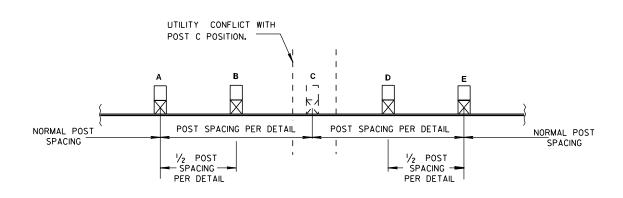
TRIPLE BLOCK DETAIL IS LIMITED TO ONE LOCATION WITHIN A BEAM GUARD RUN.

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

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



# PLAN VIEW BEAM LAPPING DETAIL



POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

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

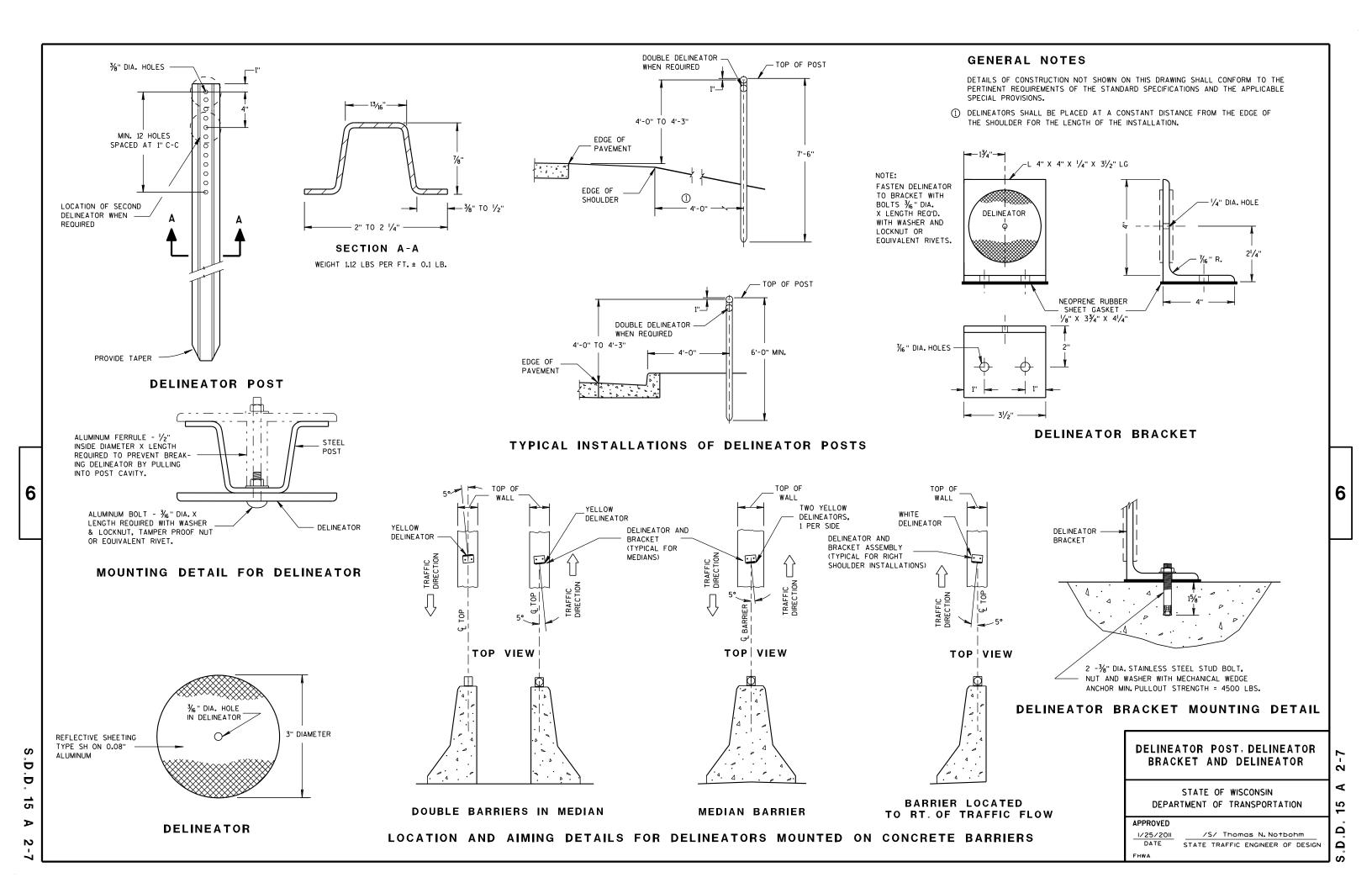
.D.D. 14 B 15

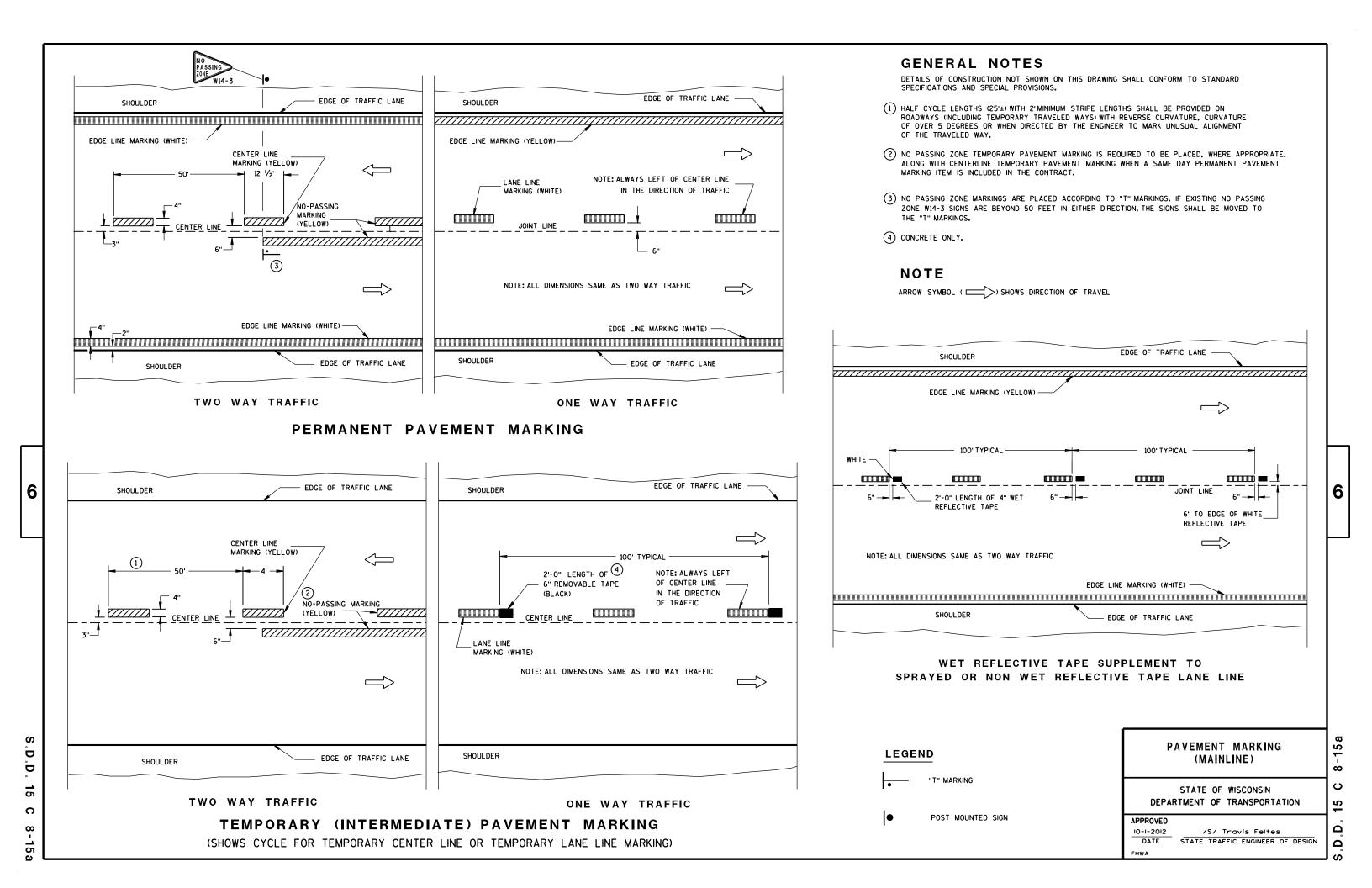
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# LEGEND

- POST WITH ATTACHED SIGN
- POST WITH ATTACHED SIGN
- ✓ DRUM WITH WARNING LIGHT (TYPE C)
- DRUM
- → ARROW BOARD
- √ 8' TYPE III BARRICADE
- \*- x-\* REMOVING PAVEMENT MARKING
- □⇒ DIRECTION OF TRAFFIC

#### GENERAL NOTES:

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

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

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

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

(1) CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS. THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

## GENERAL NOTES CONTINUED:

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

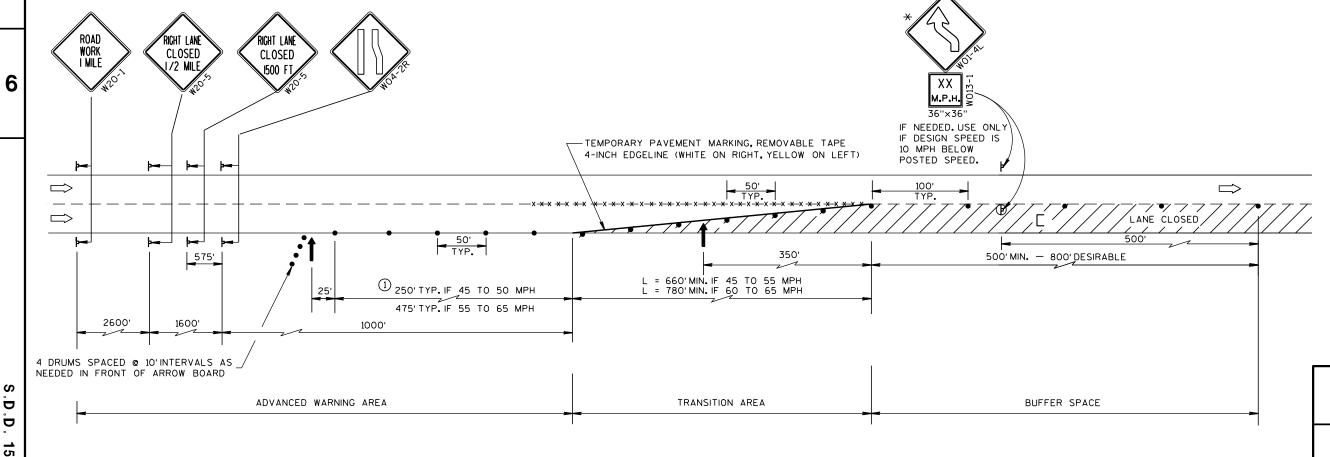
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

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

IF LANE CLOSURE IS MORE THAN 1 MILE, PLACE A TYPE III BARRICADE APPROXIMATELY EVERY 1/4 MILE ACROSS THE CLOSED LANE TO HELP ENFORCE THE DRUM LINE.

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

\* THE LEFT REVERSE CURVE SIGN (WO1-4L) IS ONLY REQUIRED WHEN THIS DETAIL IS USED IN COMBINATION WITH "SINGLE LANE CROSSOVER" DETAIL.



TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 M.P.H.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED 8-7-95

DATE

/S/ Chester J. Spang
DIRECTOR, OFFICE OF TRAFFIC

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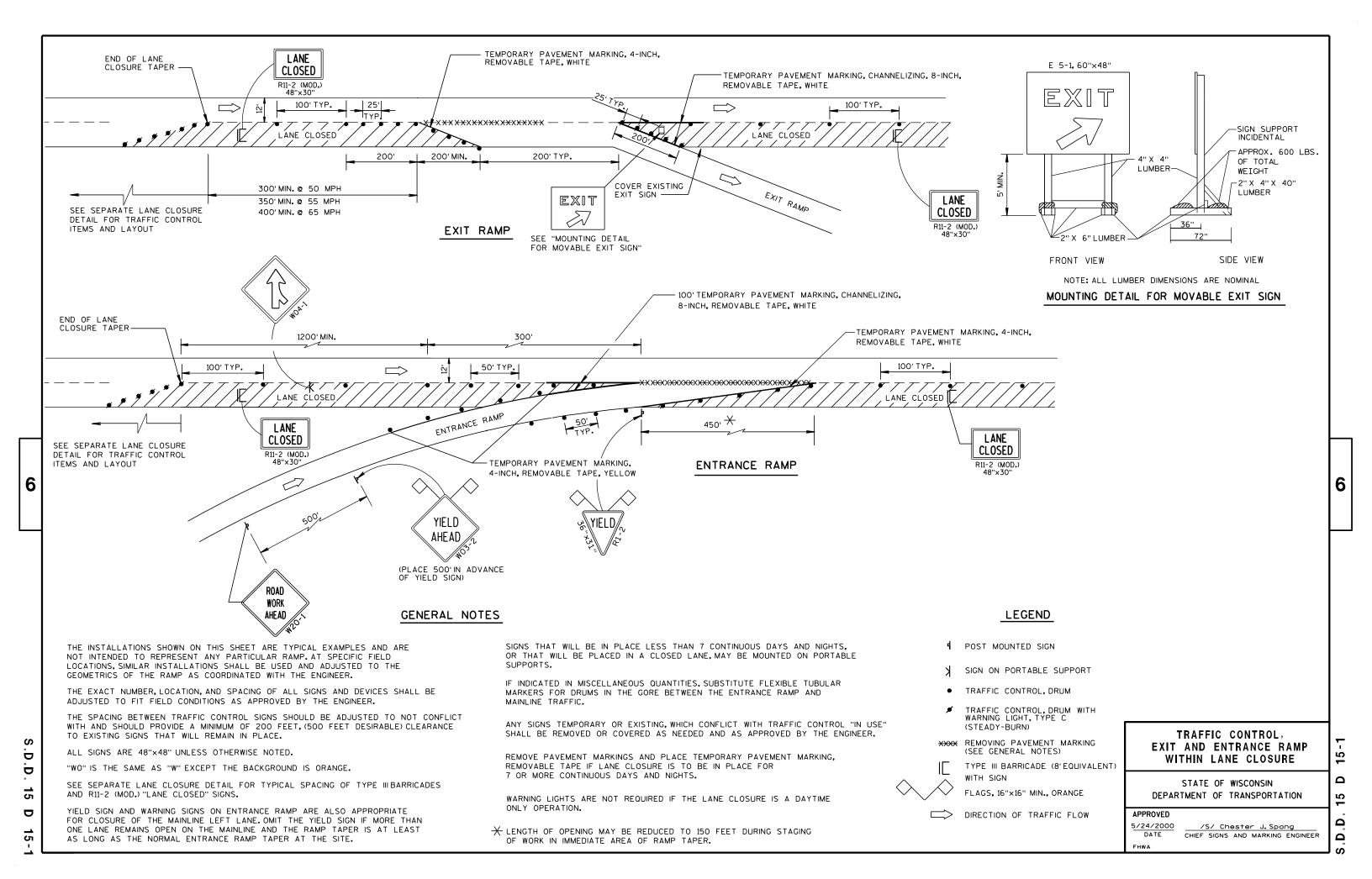
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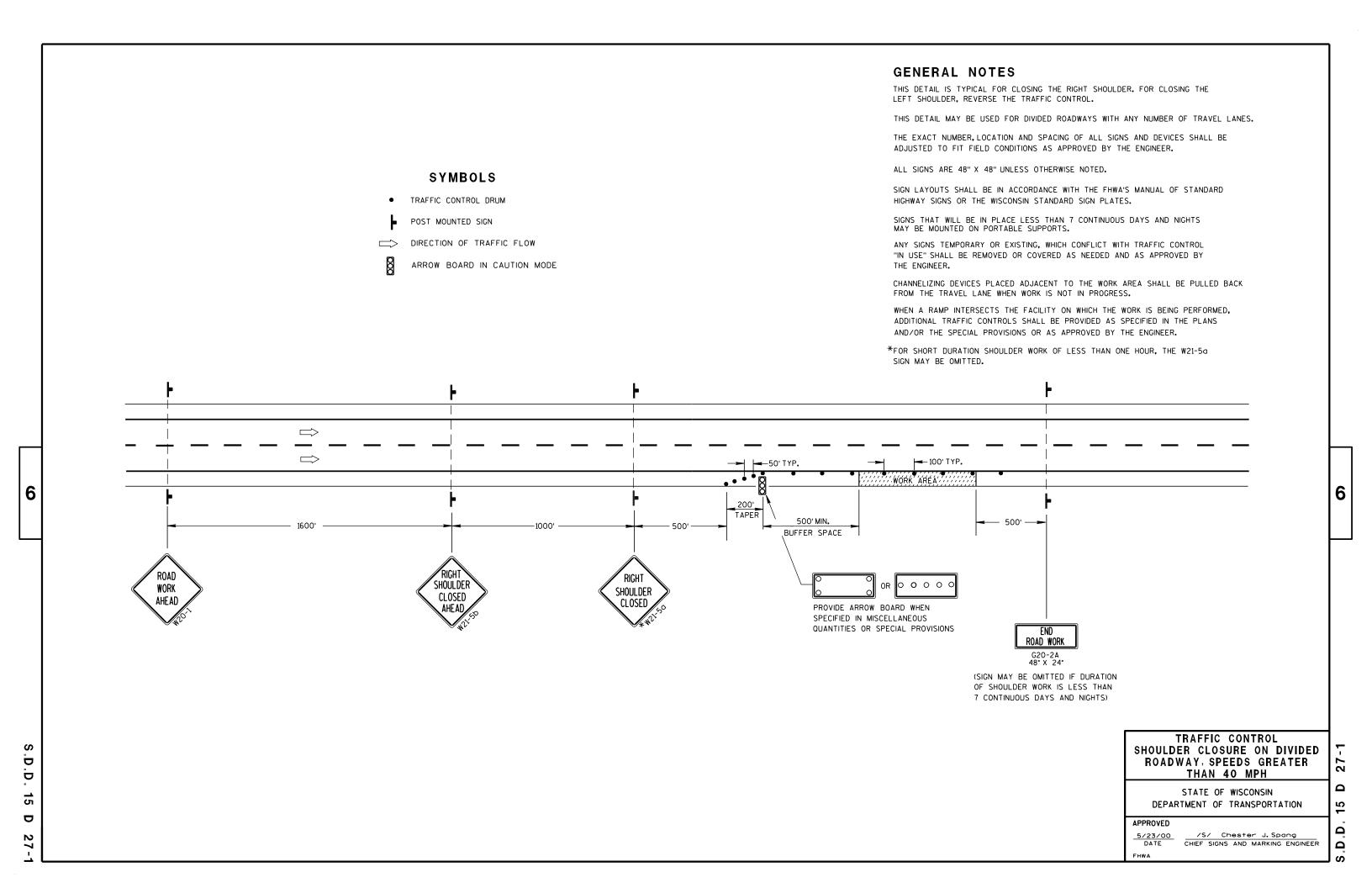
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S.D.D. 15 D 12-2







# urban area

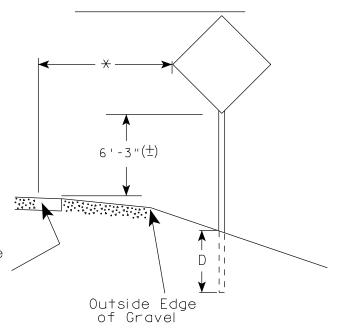
2' Min - 4' Max (See Note 5)

\*\* Curb Flowline

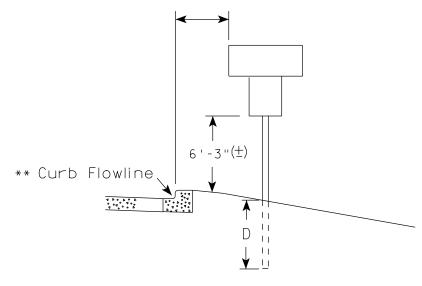
D

White Edgeline
Location

RURAL AREA (See Note 2)



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



White Edgeline
Location

Outside Edge
of Gravel

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

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

# GENERAL NOTES

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

POST EMBEDMENT DEPTH

Area of Sign	
Installation	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

Matthew R Rawl For State Traffic Engineer

DATE <u>9/21/2011</u>

PLATE NO. <u>A4-3.16</u>

PROJECT NO:

HWY:

COUNTY:

PLOT DATE: 21-SEP-2011 13:33 PLOT BY: mscs id

PLOT NAME :

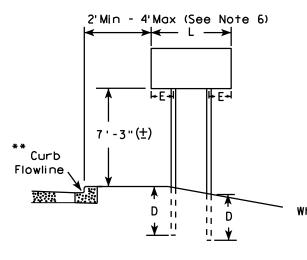
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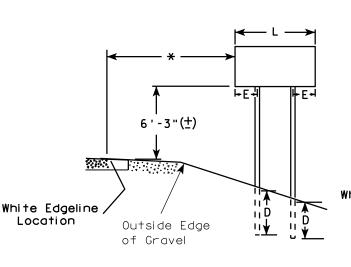
WISDOT/CADDS SHEET 42

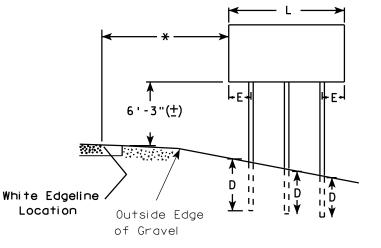
FILE NAME : C:\Users\PROJECTS\tr\_stdplate\A43.DGN

# URBAN AREA

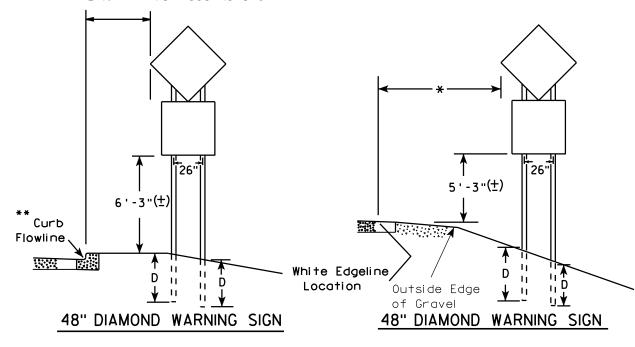
#### RURAL AREA (See Note 3)











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

HWY:

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

## GENERAL NOTES

- 1. For multiple post installations, individual post spacing shall be greater than 3'-6".
- 2. See tables below for required number of posts.
- 3. For expressways and freeways. mounting height is 7'-3'' (±) or 6'-3'' (±) depending upon existence of sub-sign.
- 4. The (±) tolerance for mounting height is 3 inches.
- 5. Minimum mounting height for J assemblies (A4-5) is 7'-3'' (±) or 6'-3'' (±) per urban or rural detail respectively.
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. Folding stop signs (R1-1F) shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
- 8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B). Clearance Markers (W5-52). Mile Markers (D10 series) & End of Road Markers (W5-56 & W5-56A) shall be mounted at a height of 4"-3" ( $\pm$ ).
- \* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.
- \*\* The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.
- \*\*\* See A4-3 sign plate for signs 4' or less in width or 20 S.F. or less in area.

# POST EMBEDMENT DEPTH

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

PLOT NAME :

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

For State Traffic Engineer

DATE 9/21/2011

SHEET NO:

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

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

PROJECT NO:

PLOT DATE: 21-SEP-2011 13:36

PLOT BY: mscsia

PLOT SCALE: 109.249131:1.000000 WISDOT/CADDS SHEET 42

COUNTY:



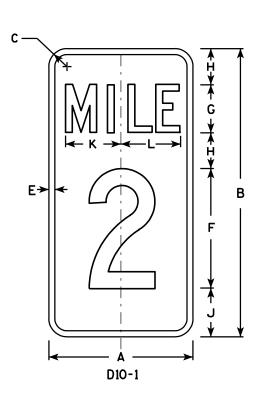
 Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.

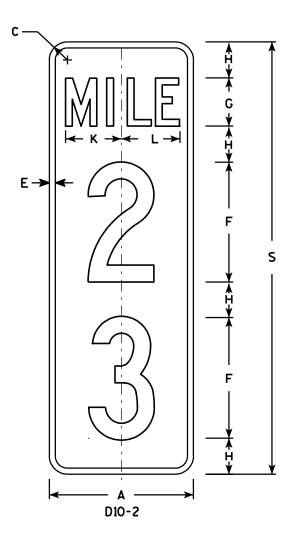
2. Color:

Background - Green

Message - White - Type H Reflective

- 3. Message Series C
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- Optically adjust numerals about the centerline of the sign to achieve proper balance.





D10-3

Metric equivalent for this sign is:

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

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

D10-1 D10-2 D10-3

Area Area Sq. ft. Sq. ft.

2.0 3.0 4.0

Area Area Area Area Area M2

19 .28 .38

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

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Chester J Spane
for Director, Office of Traff.

DATE 1/16/02 PLATE NO. D10-3.2

SHEET NO:

FILE NAME : C:\Users\Projects\tr\_stdplate\D103.DGN

PROJECT NO:

PLOT DATE: 28-SEP-2005 08:20

PLOT BY : DOTDZK

E → SPONSOR A E Y G Z F Z AF XA

HWY:

Background Colors of Symbol\*

**₽** 4

\* VARIES

White Black Green Orange

 $^*$  $\!\!\!/_4$ " Black Border between each color of rainbow and border of rainbow

#### I 2 36 | 1 1/2 | 1/2 5/8 3 1/2 2 7/8 | 2 1/8 | 11 1/4 | 11 1/8 | 9 3/8 | 1 1/4 3/4 12 % 7 1/2 30 7.5 3 4 5

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 - (See Note 5)

- 3. Message Series (See Note 6)
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Border Blue

Line 1 - Red

Line 2 - Black

Line 3-5 - Blue

6. Line 1 - Dutch 8011L

Line 2 - Series E

Line 3-5 - Series C

7. Contractor shall provide and install a new post bracket in accordance with the I55-56B sign detail.

> STANDARD SIGN I55-56

WISCONSIN DEPT OF TRANSPORTATION

APPROVED for State Traffic Engineer

DATE 4/27/11 PLATE NO. 155-56.3

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\I5556.DGN

PROJECT NO:

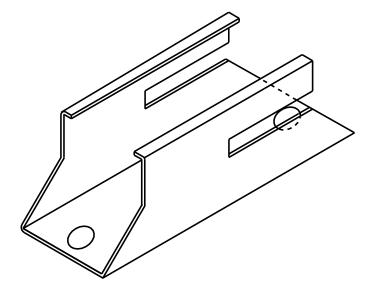
PLOT DATE: 27-APR-2011 10:05

PLOT BY: mscj9h

PLOT NAME :

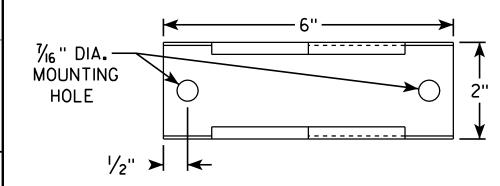
PLOT SCALE: 7.945391:1.000000

# ISOMETRIC VIEW

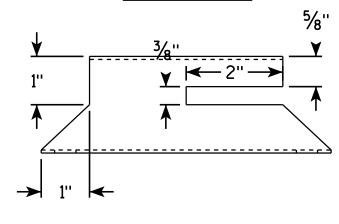


# TOP VIEW

HWY:



# SIDE VIEW

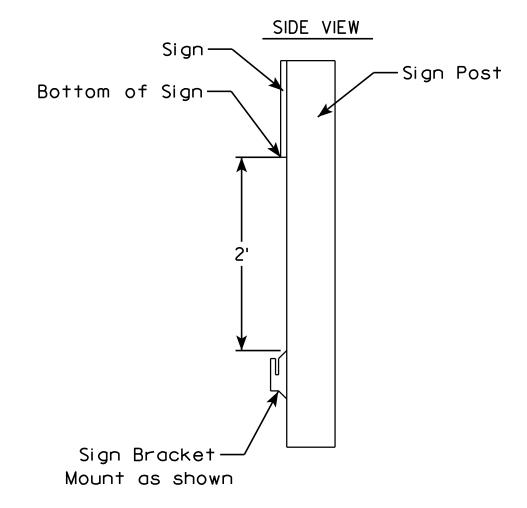


# END VIEW **←** 2" →

COUNTY:

# NOTES

- 1. Must be capable of permanent attachment to a wood or steel channel sign post utilizing the fastening hardware specified on the A4-8 sign plate.
- 2. Shall be entirely primed and painted with two coats of a black powder coated enamel paint.
- 3. Shall be made with 12 gauge steel, and incorporate no welds, no hinged components, no threaded lock-type components, and no parts which are loose or can be separated from the main body.
- 4. Shall have rounded edges with at least  $\frac{1}{8}$ " radii.
- 5. Shall not have unrounded and uncoated metaledges which can contact the back surface of the roll-up sign.
- 6. Top of bracket shall be mounted 2' below the bottom of the 155-56 sign.
- 7. Cost of bracket and fastening hardware shall be incidental to the 155-56 sign.



ROLLUP SIGN BRACKET I55-56B

WISCONSIN DEPT OF TRANSPORTATION APPROVED

SHEET NO:

for State Traffic Engineer DATE 2/5/10 PLATE NO. 155-56B.1

PLOT NAME :

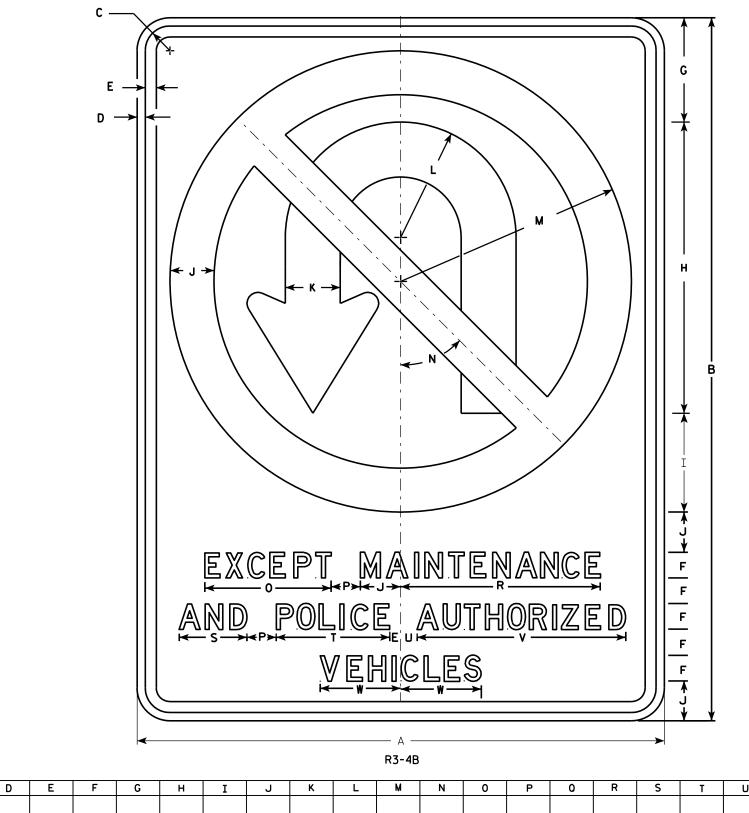
PLOT SCALE: 1.986348:1.000000

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\I5556B.DGN

PROJECT NO:

PLOT DATE: 01-MAR-2010 15:34

PLOT BY : ditjph

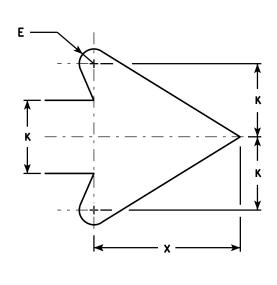


# **NOTES**

- 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 - See note 4

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE 25 2M 3 4 1 1/8 3/4 | 1 3/4 | 7 1/8 | 19 1/8 | 6 3/4 | 2 3/4 | 3 3/4 | 7 1/8 | 15 3/4 | 45° | 8 5/8 | 2 13 \\ 4 \\ 8 \ 7 \\ 4 \ 1 \\ 8 \ 14 \\ 4 \ 5 \\ 2 \ 7 \\ 8 36 12.0 3/4 | 1 3/4 | 7 1/8 | 19 1/8 | 6 3/4 | 2 3/4 | 3 3/4 | 7 1/8 | 15 3/4 | 45° | 8 5/8 | 5 36 13 \\ 4 \\ 8 | 7 \\ 34 | 1 \\ 8 | 14 \\ 4 | 5 \\ 2 | 7 \\ 8 12.0 48

COUNTY:

STANDARD SIGN R3-4B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE 3/17/2011

PLATE NO. R3-4B.2
SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\R34B.DGN

PROJECT NO:

HWY:

PLOT DATE: 17-MAR-2011 14:27

PLOT BY: mscsja

PLOT NAME :

PLOT SCALE: 6.554949:1.000000

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Notes



# Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov