MARSH AREA

WOODED OR SHRUB AREA

# STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

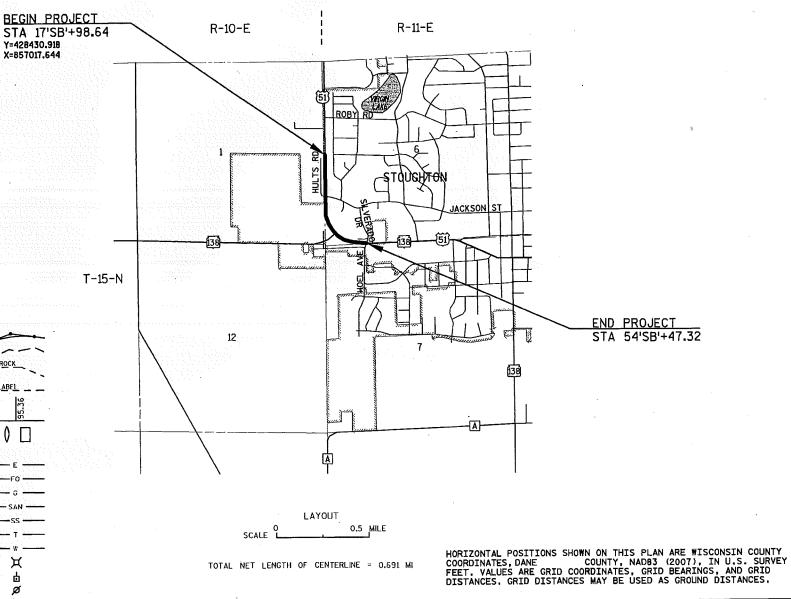
## STOUGHTON - MADISON

SILVERADO DRIVE TO ROBY ROAD

**USH 51** 

DANE COUNTY

STATE PROJECT NUMBER
5845-01-61



ORIGINAL PLANS PREPARED BY & ASSOCIATES, INC. CONSULTING ENGINEERS Stevens Point . Fond du Lac 85 South Pioneer Road, Suite 500 • Fond du Lao, WI 54855 (820) 824-5720 • 1 (820) 824-5725 ISCONSIA JEFFREY A. **CHVOSTA** E-39047 SLINGER. GSIONAL ENG STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION REPARED BY Surveyor GREMMER & ASSOCIATES, INC. Designer Project Manager KARLA KNORR

FEDERAL PROJECT

PROJECT

CONTRACT

STATE PROJECT

5845-01-61

STORM SEWER TELEPHONE

POWER POLE
TELEPHONE POLE

UTILITY PEDESTAL

WATER

#### **GENERAL NOTES**

ALL ELEVATIONS ON THIS PLAN ARE REFERENCED TO NAVD 88 (2007) VERTICAL DATUM.

ALL DISTANCES AND STATIONING SHOWN ON THIS PLAN ARE GROUND VALUES.

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

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

A VERTICAL SAW CUT SHALL BE MADE THROUGH EXISTING DRIVEWAYS, SIDEWALKS AND PAVEMENTS AT THE REMOVAL LIMITS.

A BUTT JOINT SHALL BE PROVIDED AT ALL LOCATIONS WHERE NEW PAVEMENT MATCHES EXISTING PAVEMENT.

SAWCUT LOCATIONS SHOWN ON THE PLANS ARE SUBJECT TO ADJUSTMENT BY THE ENGINEER IN THE FIELD.

EROSION CONTROL ITEMS SHOWN ARE APPROXIMATE, THE EXACT LOCATION SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THAT THE MEASURE IS NO LONGER NECESSARY. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING THE EROSION CONTROL MEASURE AS DIRECTED BY THE ENGINEER.

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

CONTRACTOR SHALL ENSURE A VERTICAL FACE WHERE HMA PAVING ABUTS HMA PAVEMENT CONSTRUCTED IN PREVIOUS PROJECT STAGES.

INSTALL SAFETY EDGE ON HMA PAVEMENTS WITH HMA PAVED SHOULDER OF 3 FFFT OR LESS.

PLACE 2.50" HMA PAVEMENT IN TWO LAYERS OF THE FOLLOWING THICKNESSES: LEVELING LAYER THICKNESS = 0.75" NOMINAL GRADATION SIZE = 9.5 MM UPPER LAYER THICKNESS = 1.75" NOMINAL GRADATION SIZE = 12.5 MM

CONTROL POINTS

FASTING

858836.850

857001.239

857008,124

\*\* VERTICAL DATUM REFERENCED TO NAVD88 (2007).

**ELEVATION** 

917.106

910.959

913.941

REMARKS

PLASTIC

PK NAIL

PK NAIL

### **ABBREVIATIONS**

NOR

OH PC RC

APRON ENDWALL ASP OR ASPH Δ S P H Δ I T BACK OF CURB BAD BASE AGGREGATE DENSE BLDG CP BUILDING CONTROL POINT COR CORNER CORR CORRUGATED CULVERT PIPE CORRUGATED METAL CULVERT PIPE CORRUGATED PLASTIC CPCP DIM EOP EDGE OF PAVEMENT EROSION CONTROL IMPLEMENTATION **ECIP** PLAN FOC FACE OF CURB FΟ FIBER OPTIC GARAGE HMA HOT MIX ASPHALT INVERT ELEVATION LANE DISTRIBUTION LOW POINT MAX MAXIMUM MIN MOD MINIMIIM

MODIFIED

NORMAL

SHOULDER

OVERHEAD ELECTRIC

PORTLAND CEMENT REVERSE CROWN

#### ORDER OF SECTION 2 SHEETS

TYPICAL SECTIONS CONSTRUCTION DETAILS PLAN DETAILS SIGNING PLAN

PAVEMENT MARKING PLAN TRAFFIC CONTROL PLAN ALIGNMENT DIAGRAM

#### UTILITIES

GAS

ALLIANT ENERGY CORPORATION **SUITE 1000** 4902 NORTH BILTMORE LANE MADISON, WI 53718 PHONE: (608) 458-4871 ATTN: JASON HOGAN

EMAIL: JasonHogan@alliantenergy.com

316 WEST WASHINGTON AVENUE MADISON, WI 53703

PHONE: (608) 252-2385

EMAIL: ca2624@att.com

ATTN: CAROL ANASON

#### <u>SEWER</u>

ELECTRIC

ATTN: JOHN MCLAIN

CITY OF STOUGHTON - SEWER 600 SOUTH 4TH STREET STOUGHTON, WI 53589 PHONE: (608) 877-7421 ATTN: BRIAN FRICKSON EMAIL: berickson@stoughtonutilities.com

CITY OF STOUGHTON UTILITIES - ELECTRIC 600 SOUTH 4TH STREET STOUGHTON, WI 53589

EMAIL: jmclain@stoughtonutilities.com

#### **COMMUNICATIONS**

COMMUNICATIONS

AT&T WISCONSIN

CHARTER COMMUNICATIONS 2701 DANIELS STREET MADISON, WI 53718 PHONE: (608) 274-3822 ATTN: BRANDON STORM EMAIL: brandon.storm@charter.com

#### WATER

CITY OF STOUGHTON - WATER 600 SOUTH 4TH STREET STOUGHTON. WI 53589 PHONE: (608) 877-7430 ATTN: SCOTT GUNSOLUS EMAIL: swgunsolus@stoughtonutilities.com



#### CITY OF STOUGHTON CONTACT

381 EAST MAIN STREET STOUGHTON, WI 53589 PHONE: (608) 873-6619 ATTN: RODNEY SCHEEL, DIRECTOR OF PLANNING & DEVELOPMENT EMAIL: rscheel@ci.stoughton.wi.us

#### DESIGN CONTACT

GREMMER & ASSOCIATES, INC. 93 S. PIONEER ROAD, SUITE 300 FOND DU LAC, WI 54935 PHONE: (920) 924-5720 ATTN: JEFFREY CHVOSTA EMAIL: j.chvosta@gremmerassociates.com

#### **WISDOT CONTACT**

WISDOT SW DISTRICT - MADISON 2101 WRIGHT STREET MADISON, WI 53704-2583 PHONE: (608) 246-7911 ATTN: CHRIS HODGES EMAIL: Chris.Hodges@dot.wi.gov

#### DNR AREA LIAISON

WISCONSIN DEPT. OF NATURAL RESOURCES 3911 FISH HATCHERY ROAD FITCHBURG, WI 53711 PHONE: (608) 275-3301 ATTN: ERIC HEGGELUND EMAIL: eric.heggelund@wisconsin.gov

SHEET

PROJECT NO:5845-01-61

CP

T127

T195

T201

NORTHING

425854.814

427292.962

425854.817

HWY: USH 51

COUNTY: DANE

GENERAL NOTES

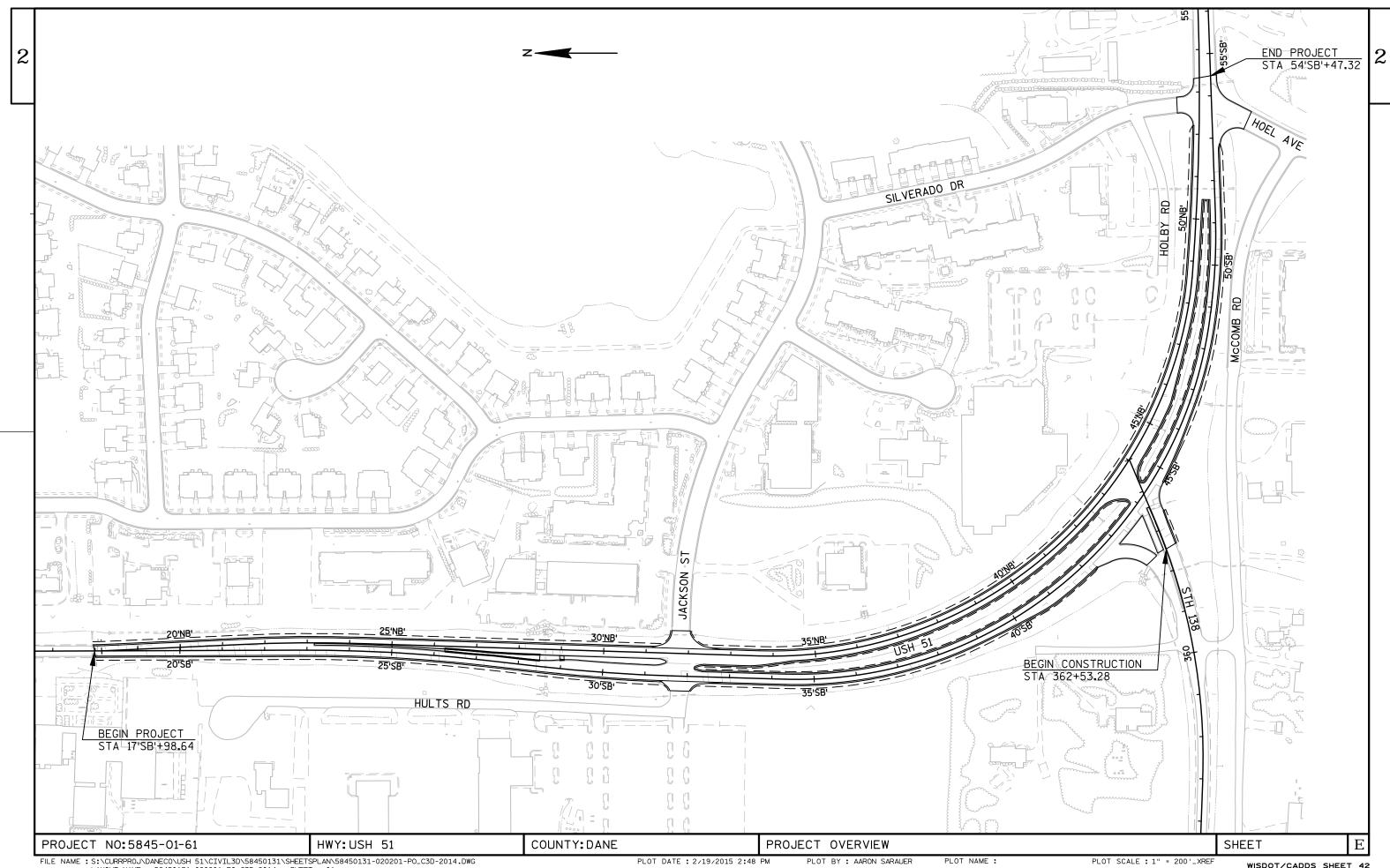
PLOT SCALE : 1" = 1'

WISDOT/CADDS SHEET 42

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PLOT DATE: 2/19/2015 2:48 PM

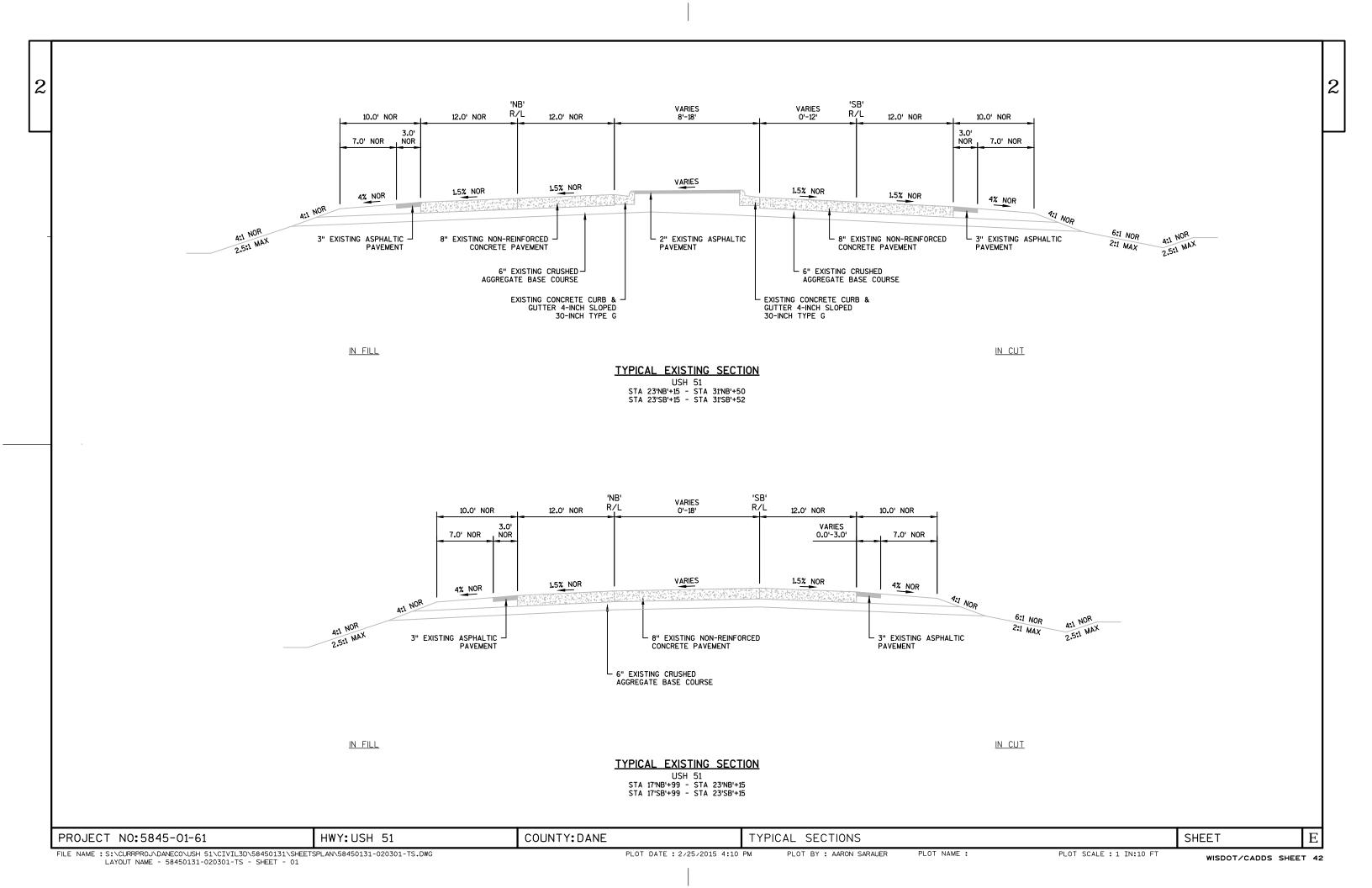
PLOT BY : AARON SARAUER

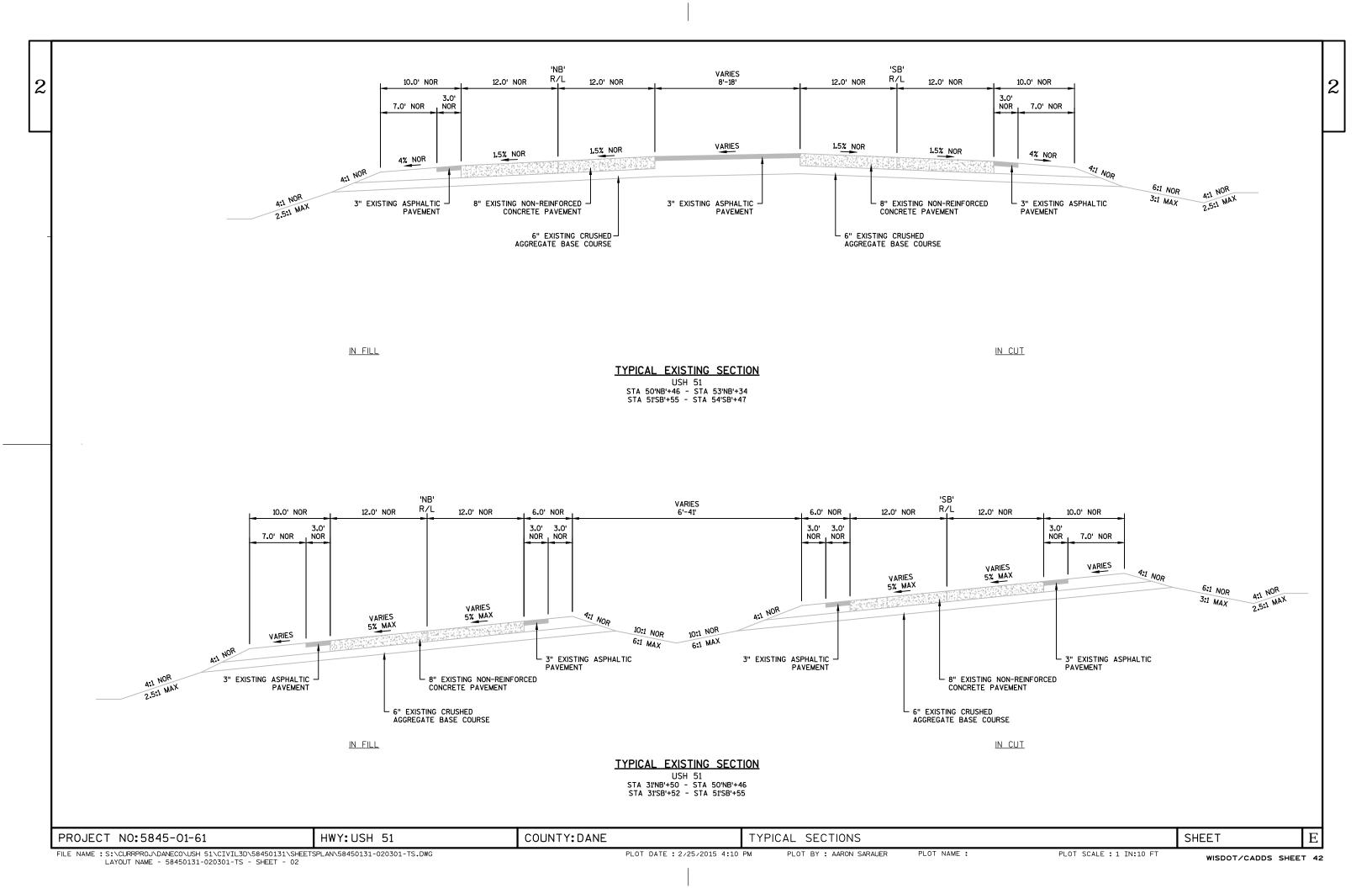


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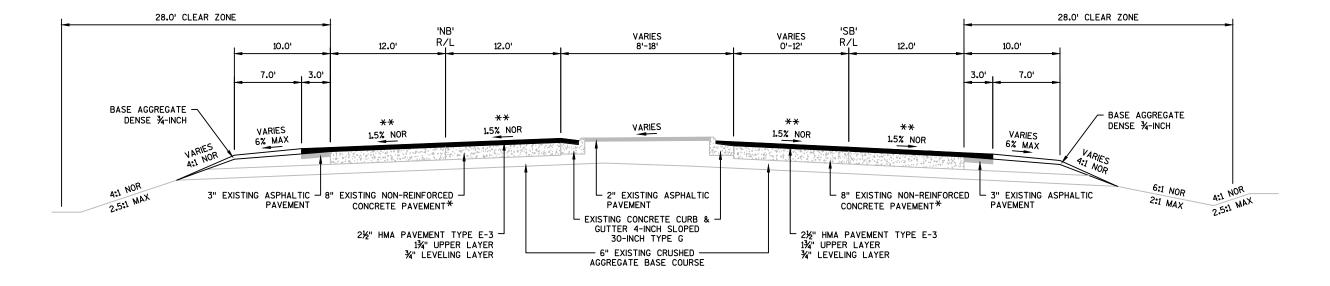
PLOT SCALE : 1" = 200'\_XREF

WISDOT/CADDS SHEET 42









TYPICAL FINISHED SECTION

USH 51

STA 23'NB'+15 - STA 26'NB'+25 STA 28'NB'+50 - STA 31'NB'+50 STA 23'SB'+15 - STA 26'SB'+25

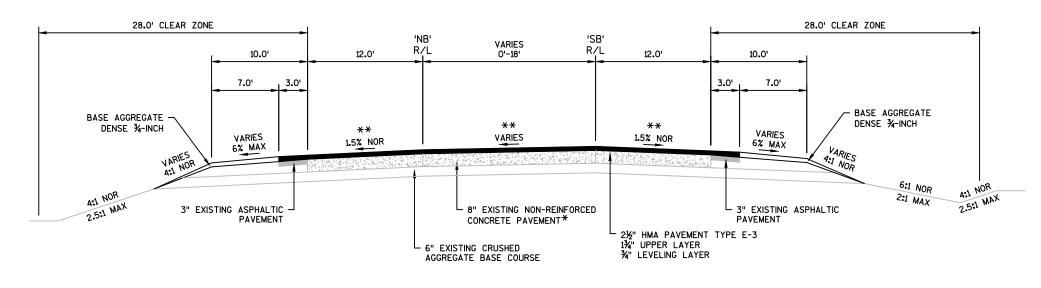
STA 28'SB'+49 - STA 31'SB'+52

<u>IN FILL</u>

NOTES

ALL ITEMS DENOTED AS "EXISTING" SHALL REMAIN IN PLACE UNLESS NOTED OTHERWISE IN PLANS.

- \* EXISTING CONCRETE TO BE BASE PATCHED. SEE PLANS FOR LOCATIONS OF BASE PATCHING CONCRETE.
- \*\* CROSS SLOPE AND SUPERELEVATION SHALL MATCH EXISTING PAVEMENT.



<u>IN FILL</u>

IN CUT

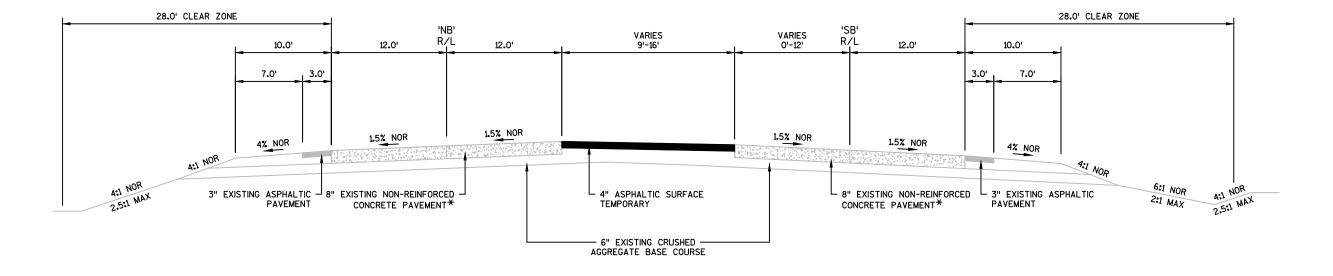
IN CUT

#### TYPICAL FINISHED SECTION

USH 51 STA 17'NB'+99 - STA 23'NB'+15 STA 17'SB'+99 - STA 23'SB'+15

PROJECT NO:5845-01-61 HWY:USH 51 COUNTY:DANE TYPICAL SECTIONS SHEET E





<u>IN FILL</u>

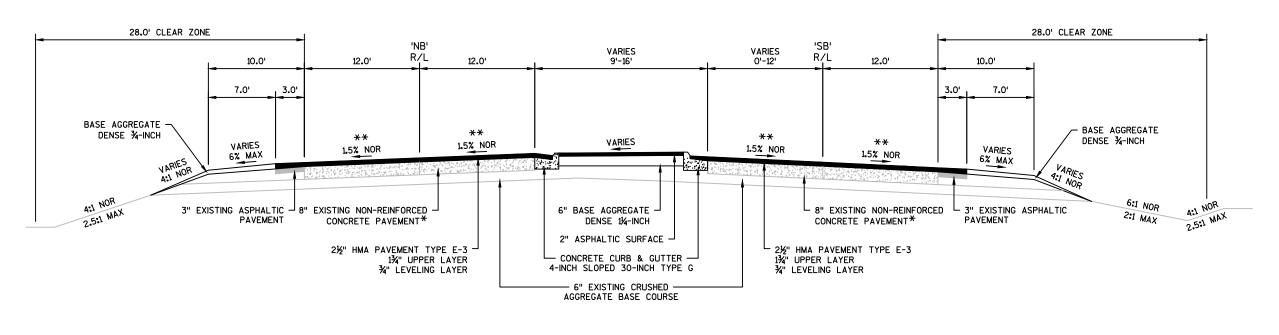
#### TYPICAL FINISHED SECTION

TEMPORARY CROSSOVER STA 26'NB'+25 - STA 28'NB'+50 STA 26'SB'+25 - STA 28'SB'+49 IN CUT

ALL ITEMS DENOTED AS "EXISTING" SHALL REMAIN IN PLACE UNLESS NOTED OTHERWISE IN PLANS.

<u>NOTES</u>

- EXISTING CONCRETE TO BE BASE PATCHED. SEE PLANS FOR LOCATIONS OF BASE PATCHING CONCRETE.
- \*\* CROSS SLOPE AND SUPERELEVATION SHALL MATCH EXISTING PAVEMENT.



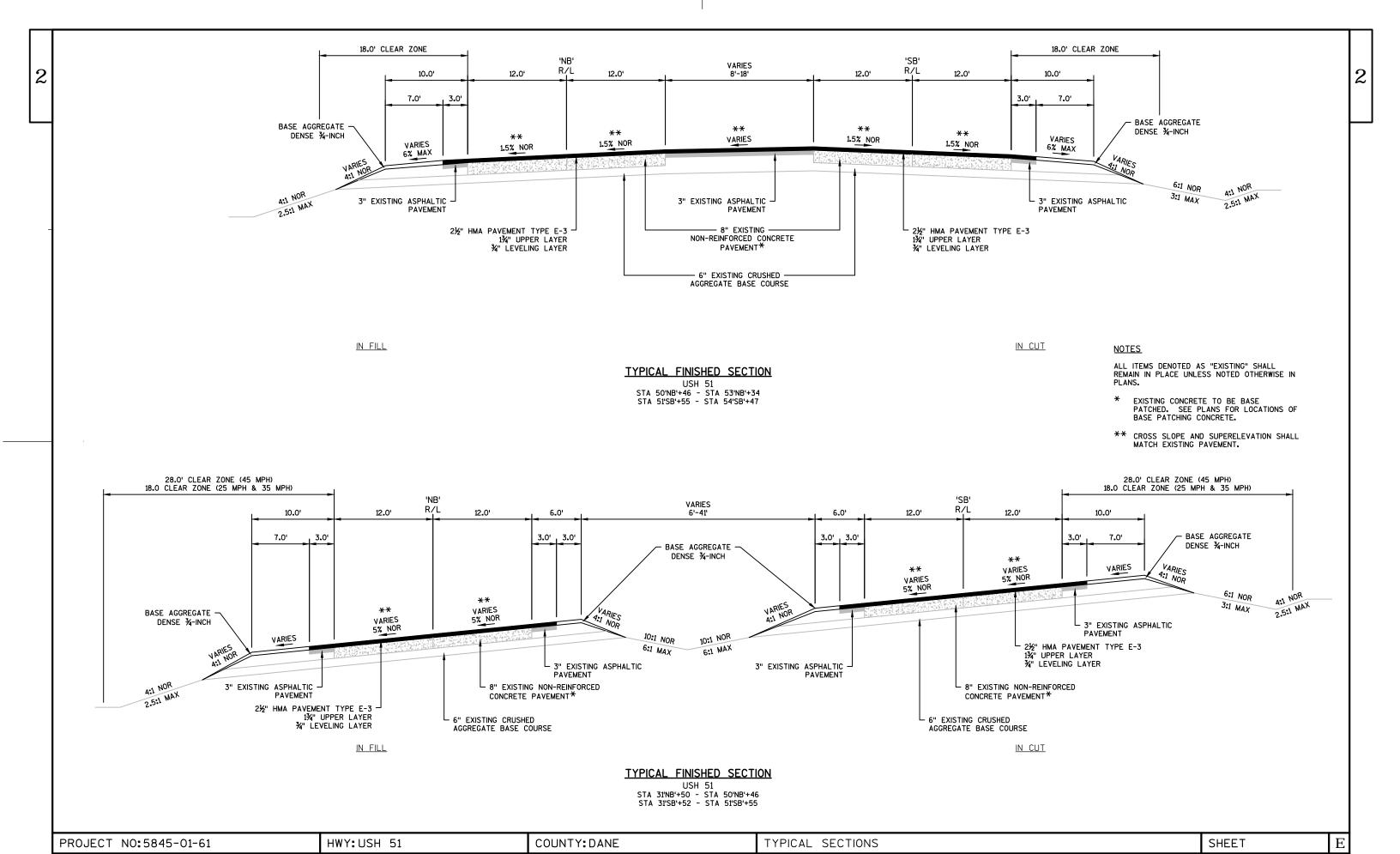
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#### TYPICAL FINISHED SECTION

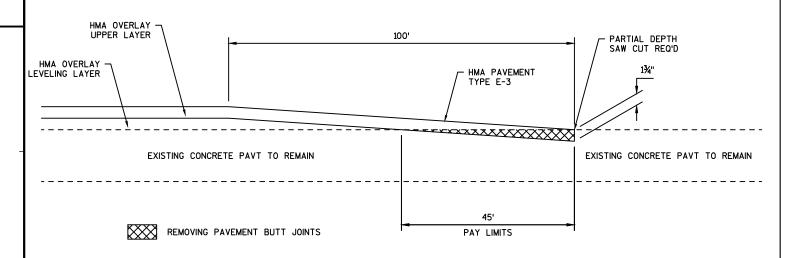
USH 51 STA 26'NB'+25 - STA 28'NB'+50 STA 26'SB'+25 - STA 28'SB'+49

PROJECT NO:5845-01-61 HWY: USH 51 COUNTY: DANE TYPICAL SECTIONS SHEET PLOT NAME :

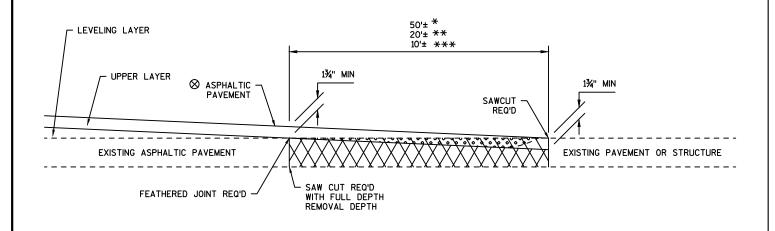
IN CUT







#### REMOVING PAVEMENT BUTT JOINTS DETAIL



SEE TYPICAL CROSS SECTION FOR PAVEMENT TYPE AND THICKNESS OF INDIVIDUAL LAYERS

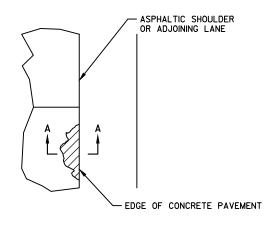
REMOVING ASPHALTIC SURFACE, BUTT JOINTS (MILLING OPTION)

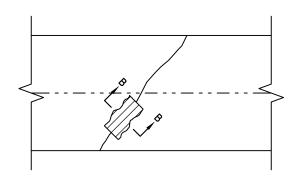
#### REMOVING ASPHALTIC SURFACE BUTT JOINTS DETAIL

\* MAINLINE

\*\* SIDEROADS

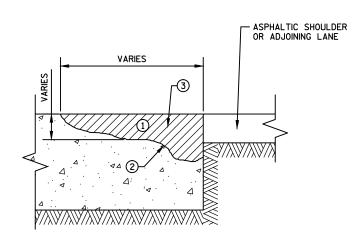
\*\*\* PRIVATE ENTRANCES

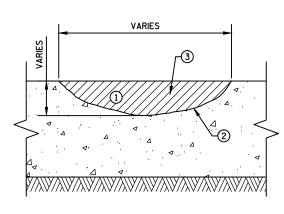




PLAN VIEW

PLAN VIEW





SECTION A-A

SECTION B-B

- 1 REMOVE ALL UNSOUND AND DETERIORATED MATERIAL.
- 2 BLOW OUT REPAIR AREAS WITH 80 PSI MINIMUM COMPRESSED AIR.
- 3 ASPHALTIC SURFACE

- 1 REMOVE ALL UNSOUND AND DETERIORATED MATERIAL.
- 2 BLOW OUT REPAIR AREAS WITH 80 PSI MINIMUM COMPRESSED AIR.
- 3 ASPHALTIC SURFACE

EDGE REPAIR

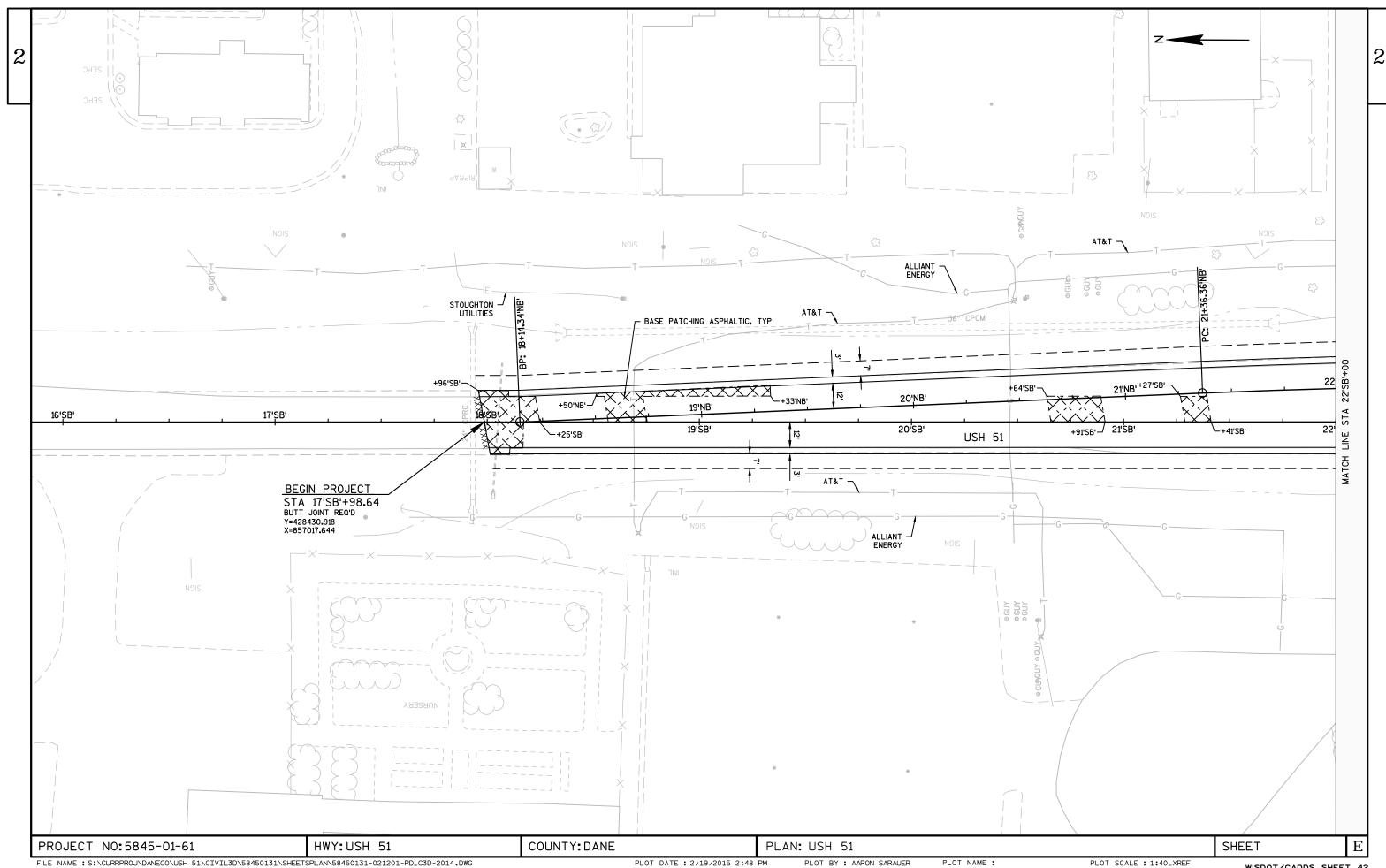
CRACK/JOINT REPAIR

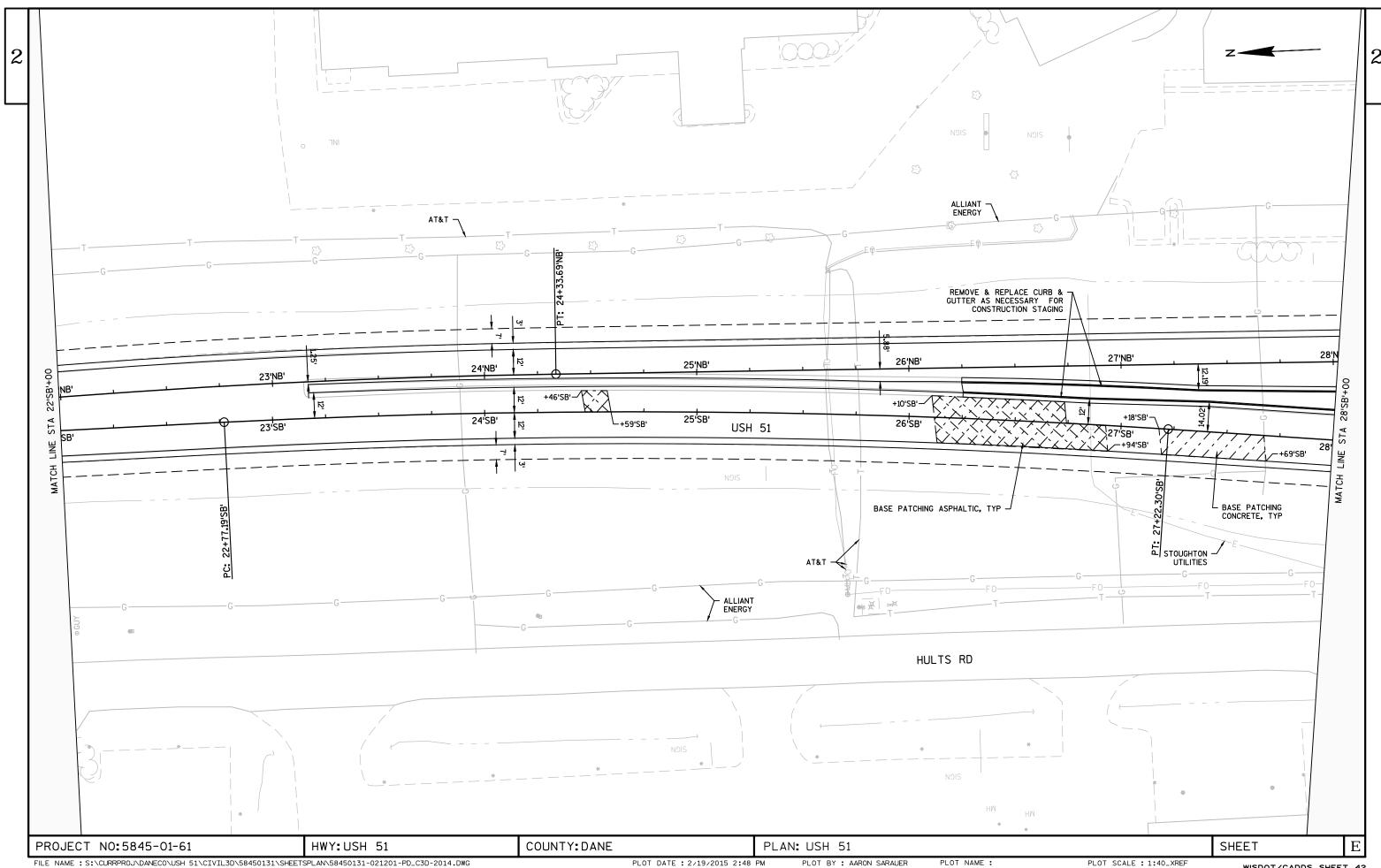
SHEET

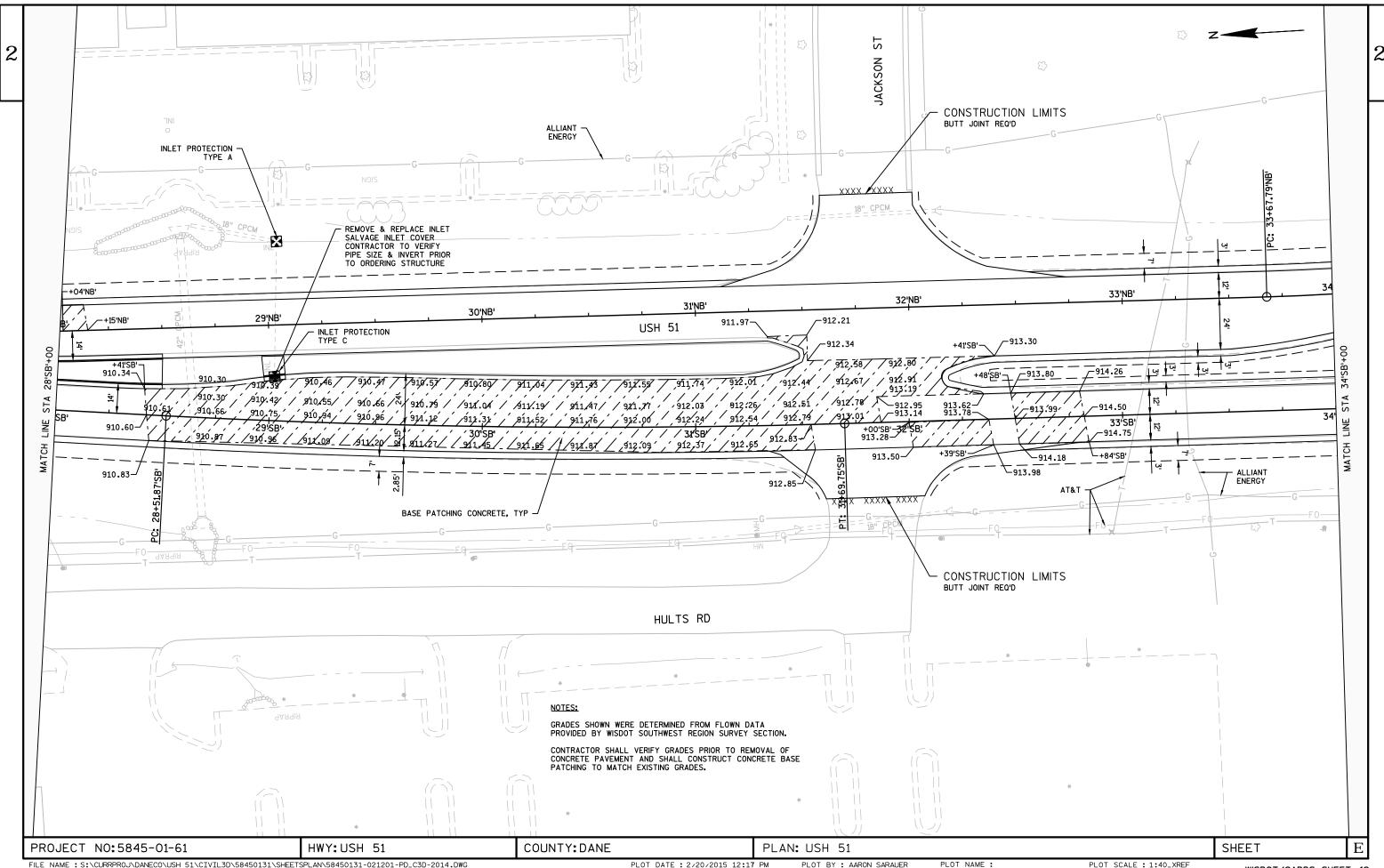
CONCRETE JOINT AND CRACK CLEANING DETAIL

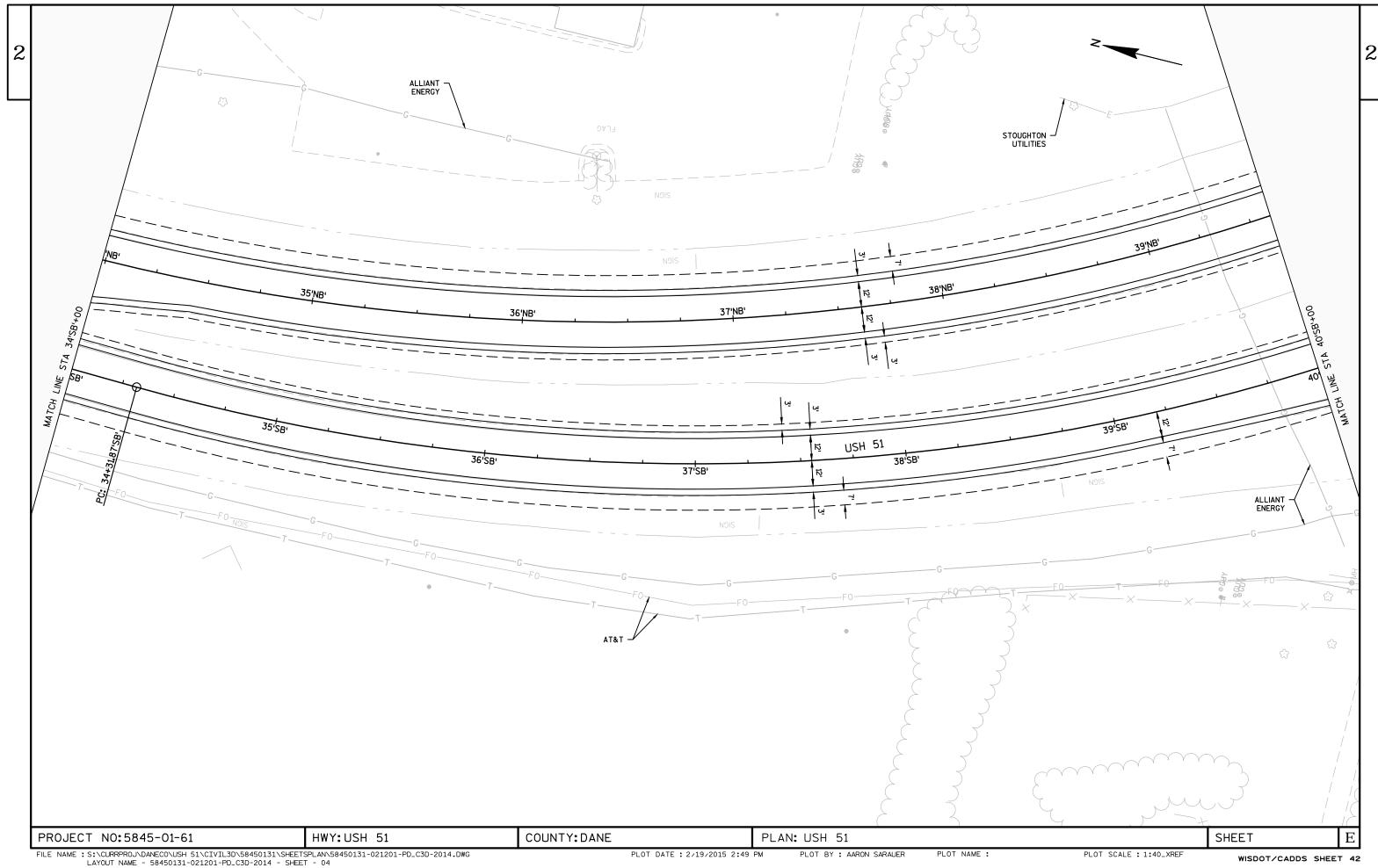
PROJECT NO:5845-01-61 HWY:USH 51 COUNTY:DANE CONSTRUCTION DETAILS

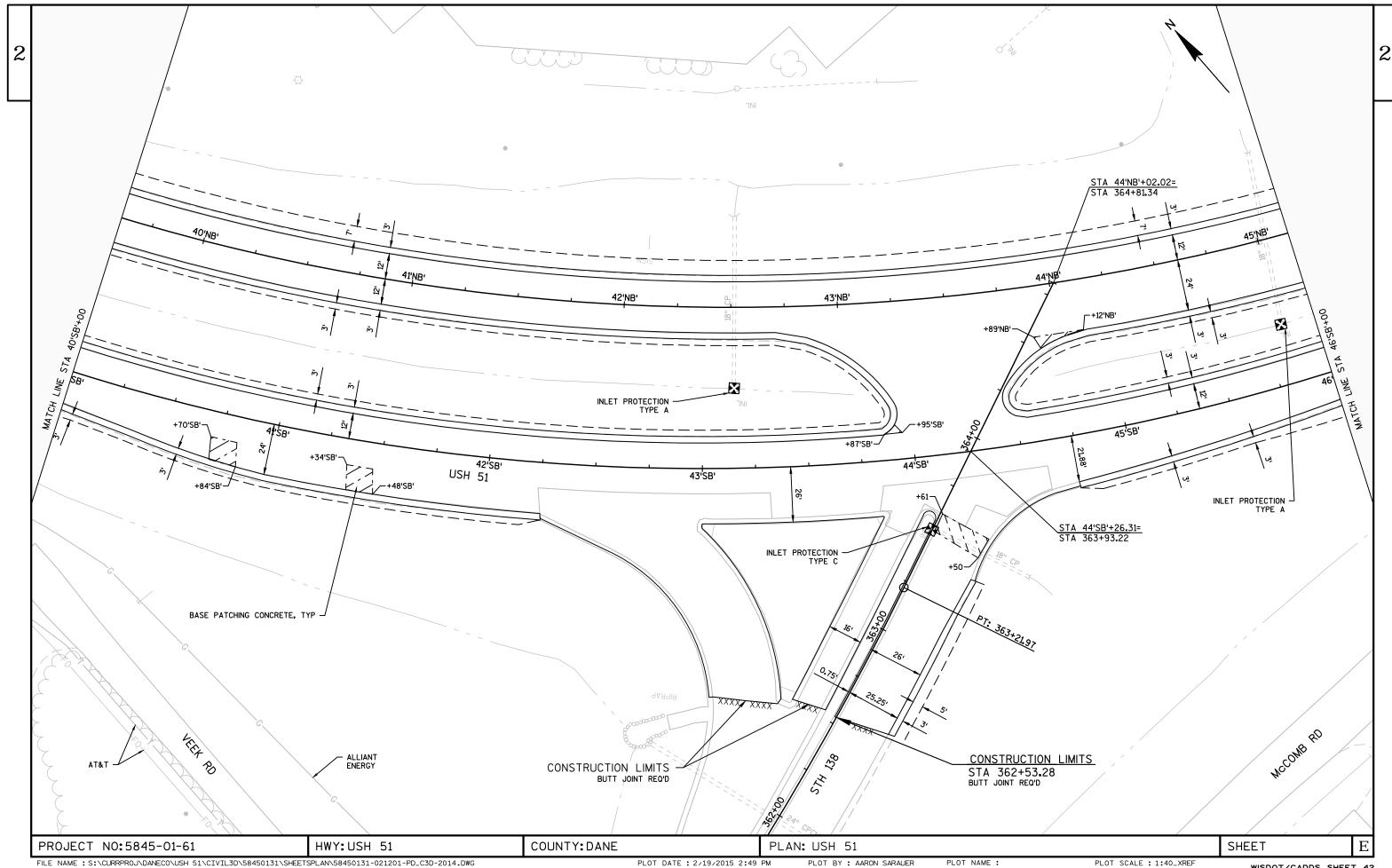
NOTES:
1. COMPACT EACH LAYER WITH
ENGINEER-APPROVED COMPACTION EQUIPMENT.
2. UNLESS THE ENGINEER DIRECTS OTHERWISE,
COMPACT EACH LAYER TO A THICKNESS OF 6 INCHES OR LESS.
3. ROLL THE TOP LAYER UNTIL FLUSH WITH THE ADJACENT SURFACE. REPAIR LENGTH - SAWCUT FULL DEPTH REQ'D EXISTING CONCRETE PAVEMENT -EXISTING CRUSHED AGGREGATE BASE COURSE - ASPHALTIC BASE PLACE IN 6" MAXIMUM LAYERS BASE PATCHING ASPHALTIC DETAIL PROJECT NO:5845-01-61 HWY: USH 51 COUNTY: DANE SHEET CONSTRUCTION DETAILS FILE NAME : S:\CURRPROJ\DANECO\USH 51\CIVIL3D\58450131\SHEETSPLAN\58450131-021001-CD.DWG LAYOUT NAME - 58450131-021001-CD - SHEET - 02 PLOT DATE: 2/25/2015 4:11 PM PLOT BY: AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:10 FT

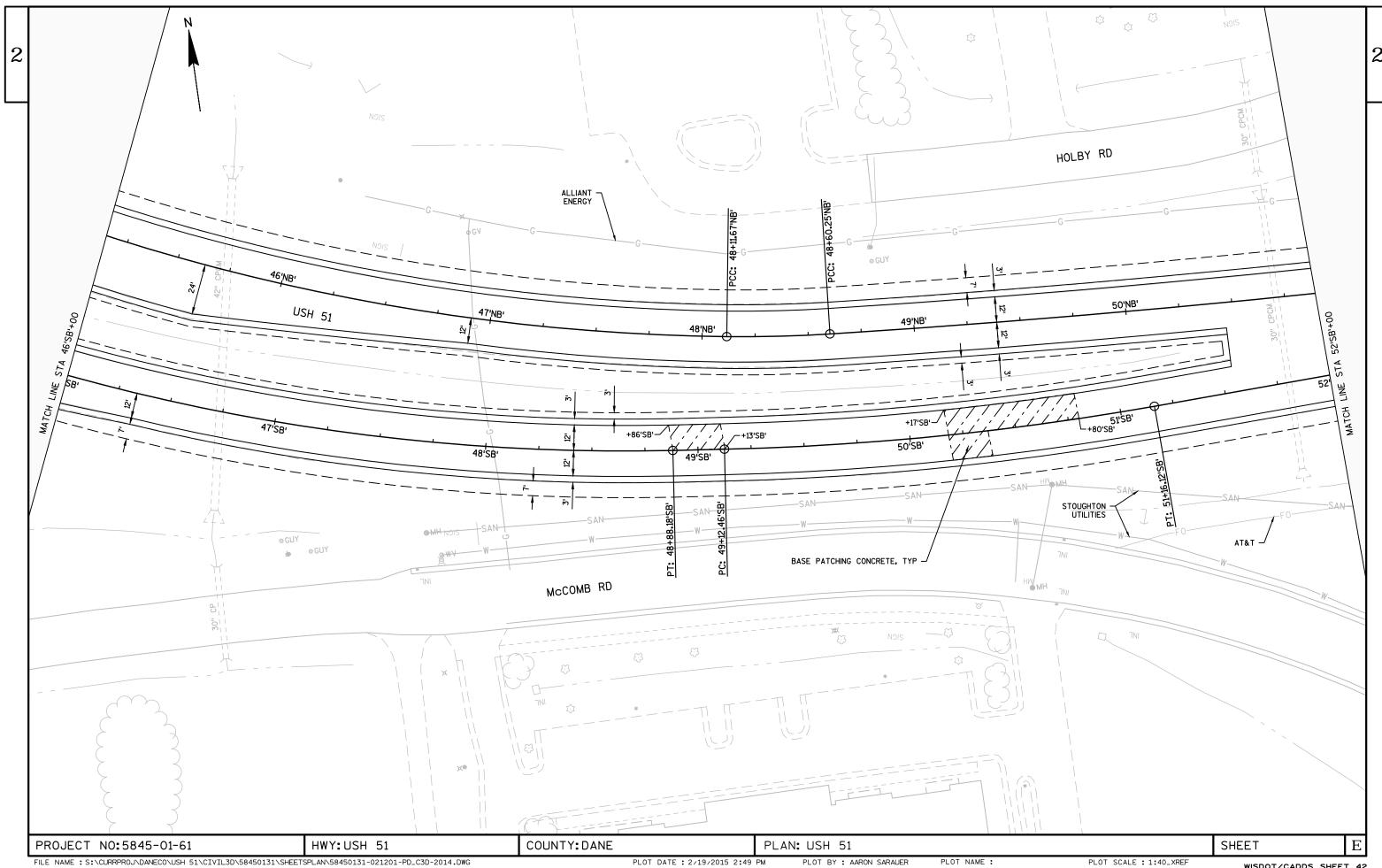


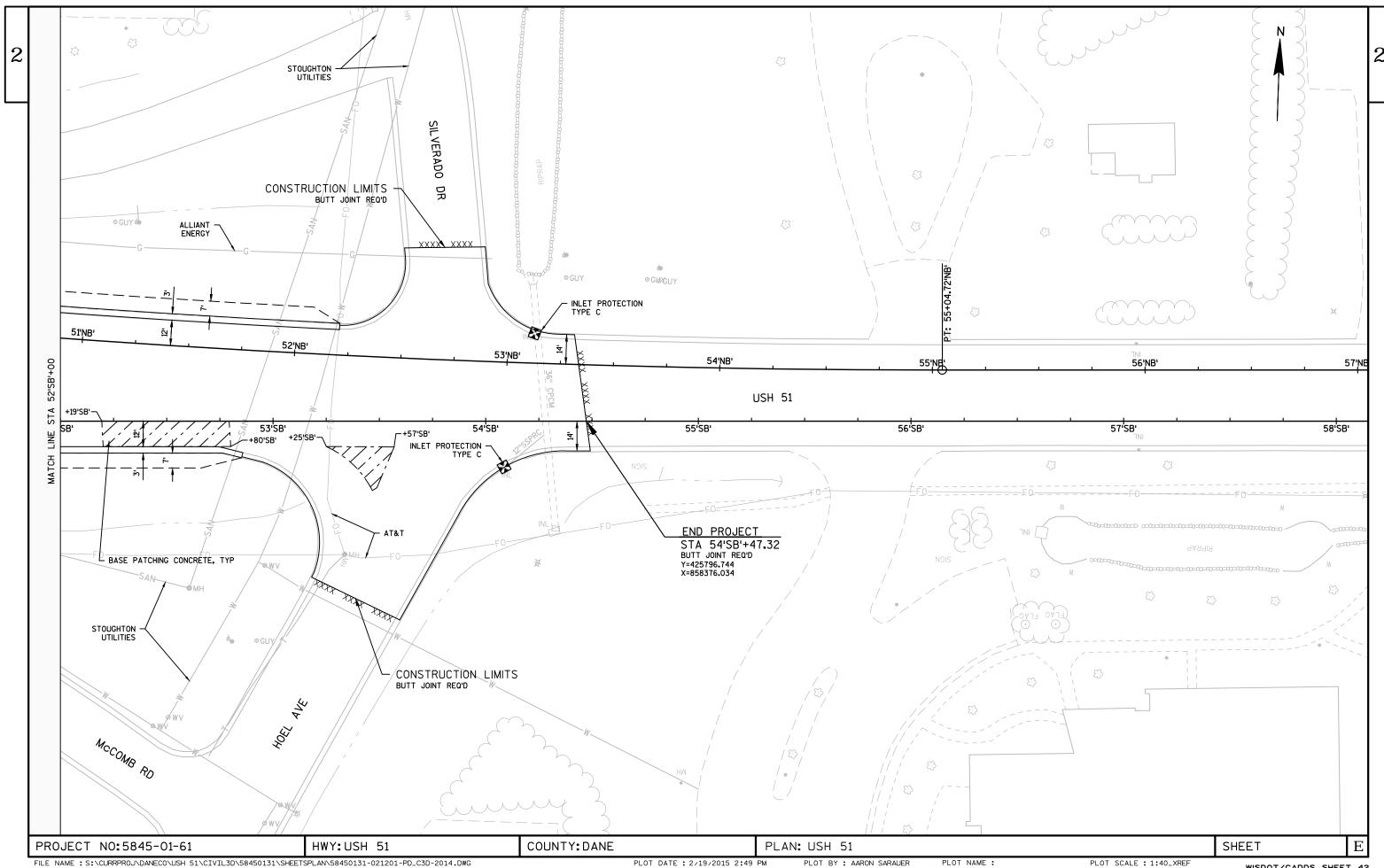


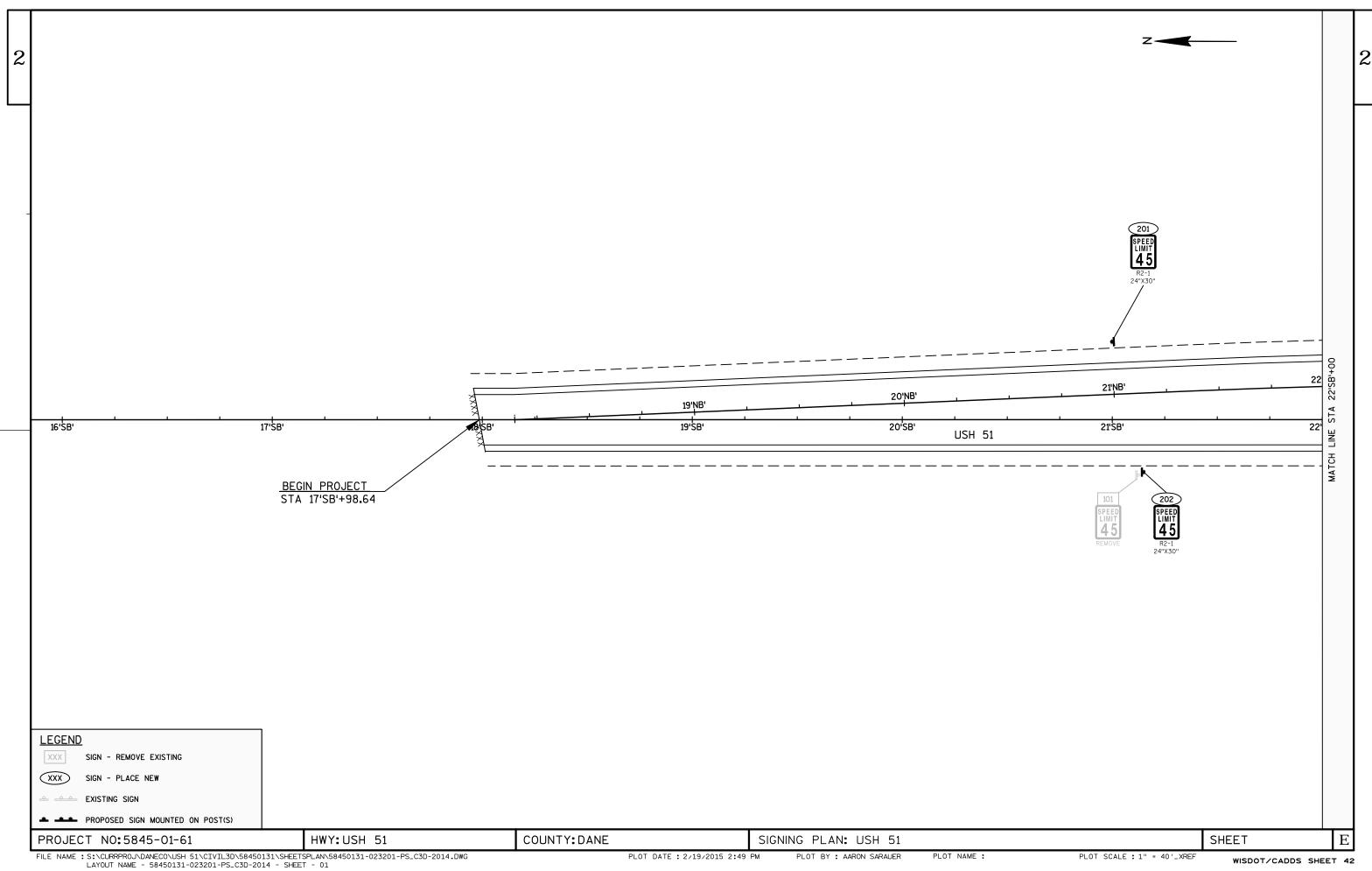


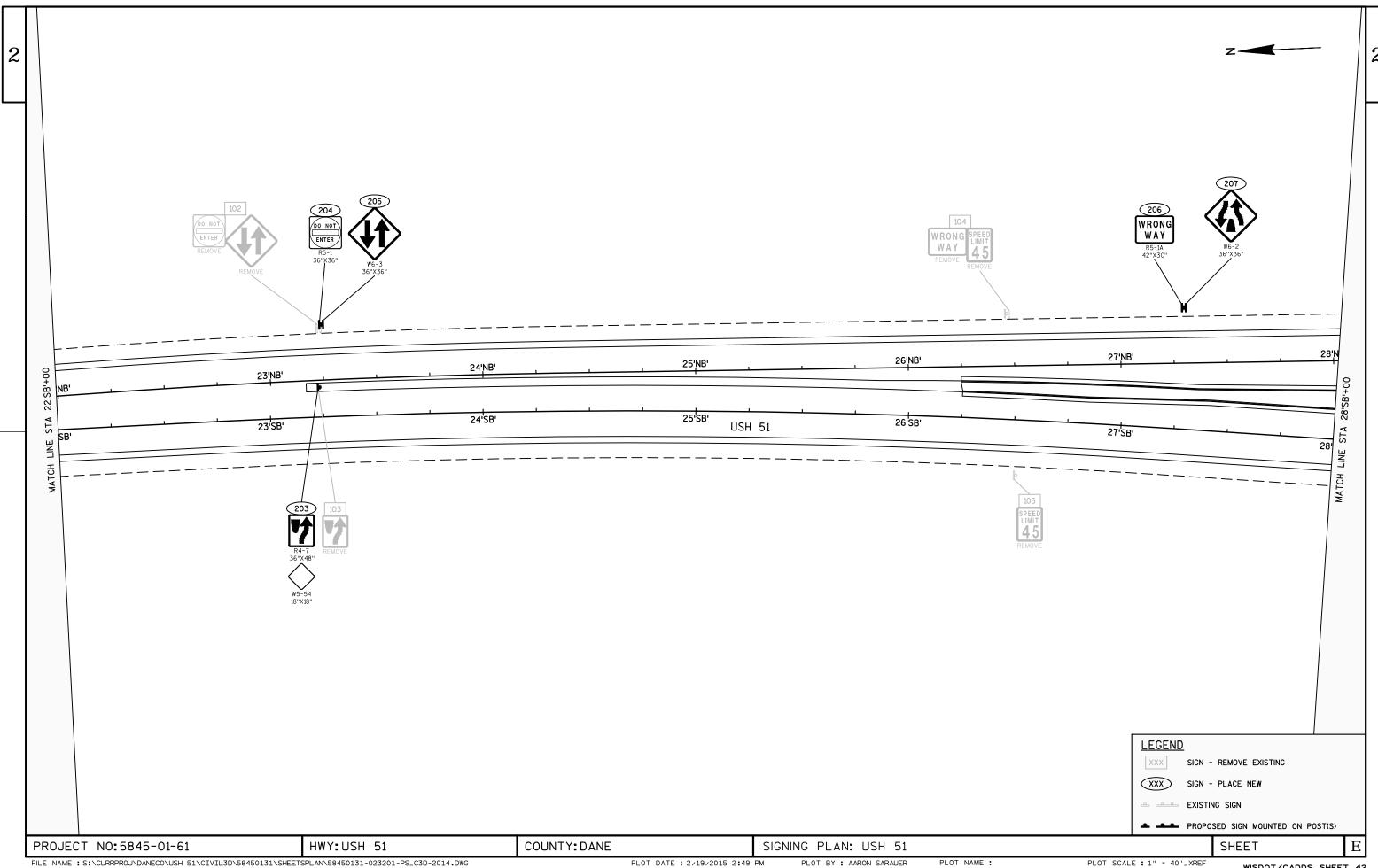


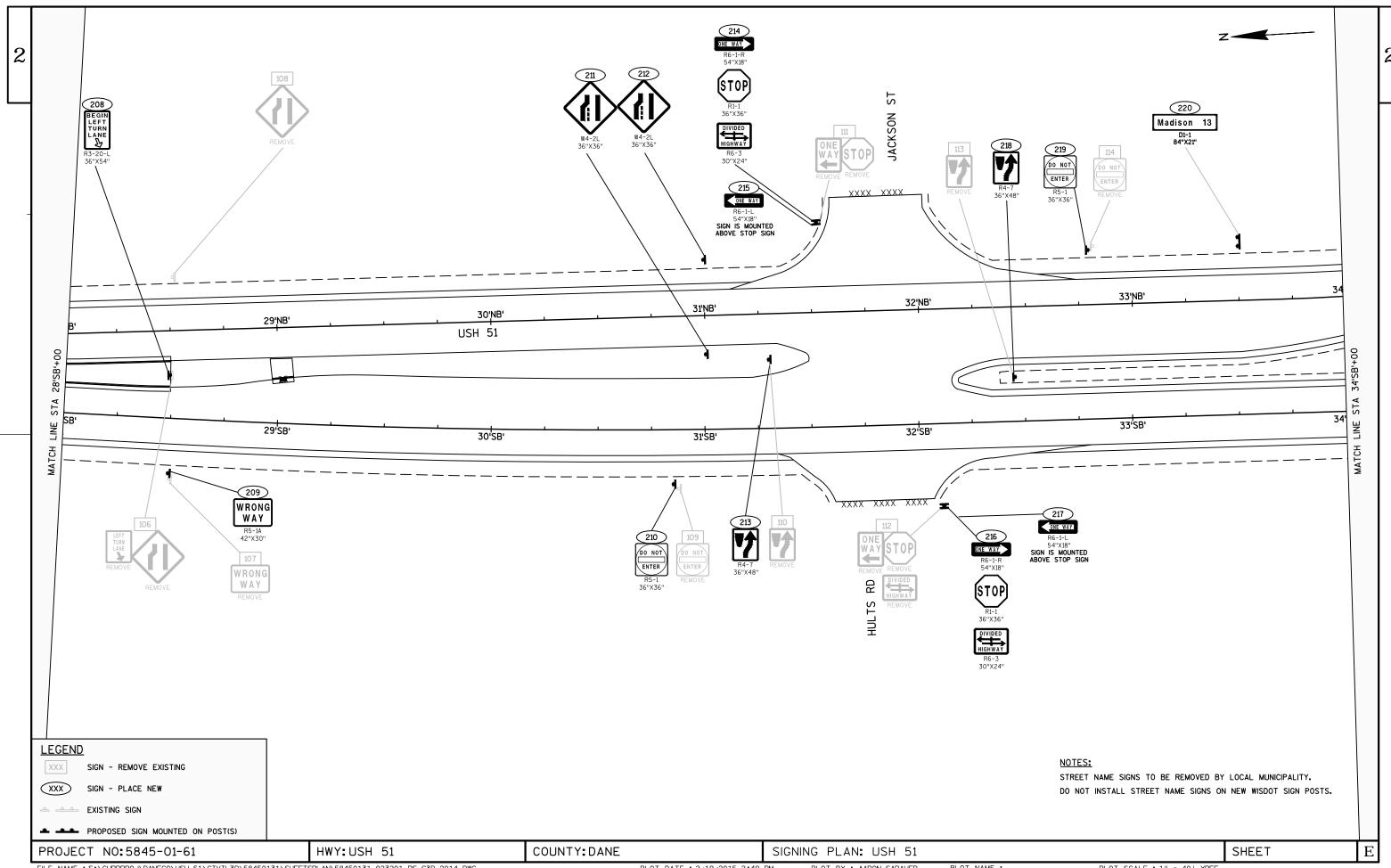


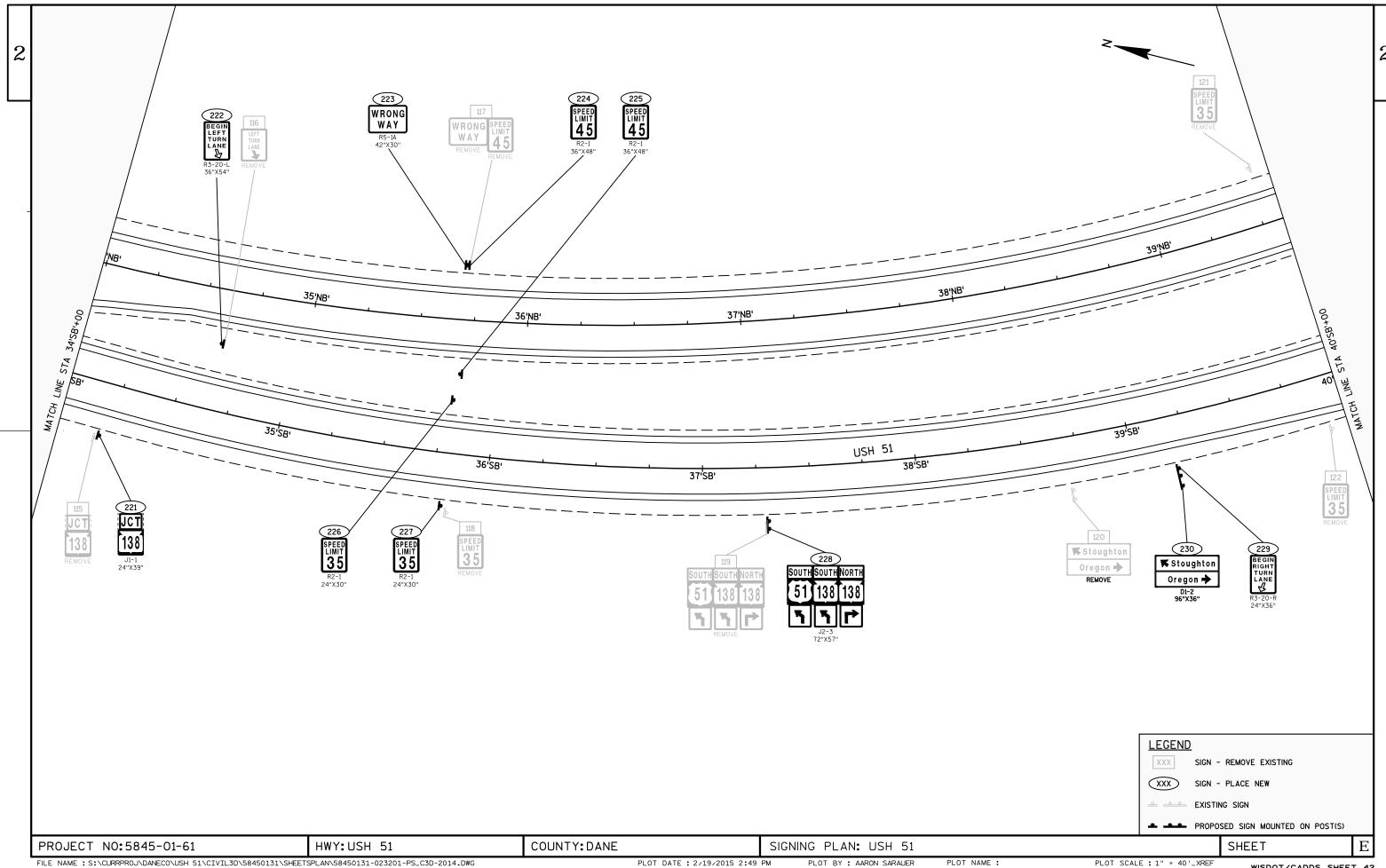


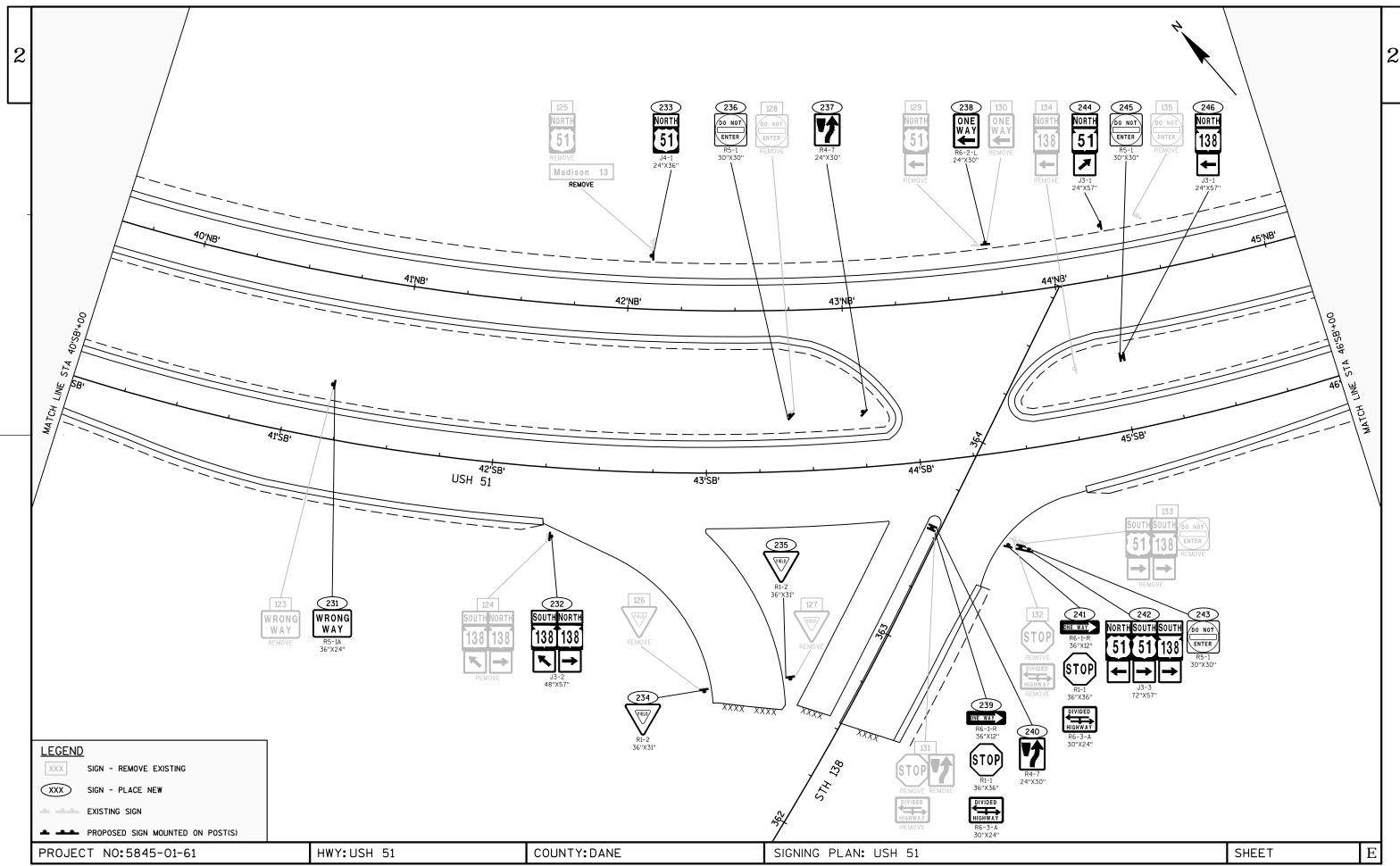


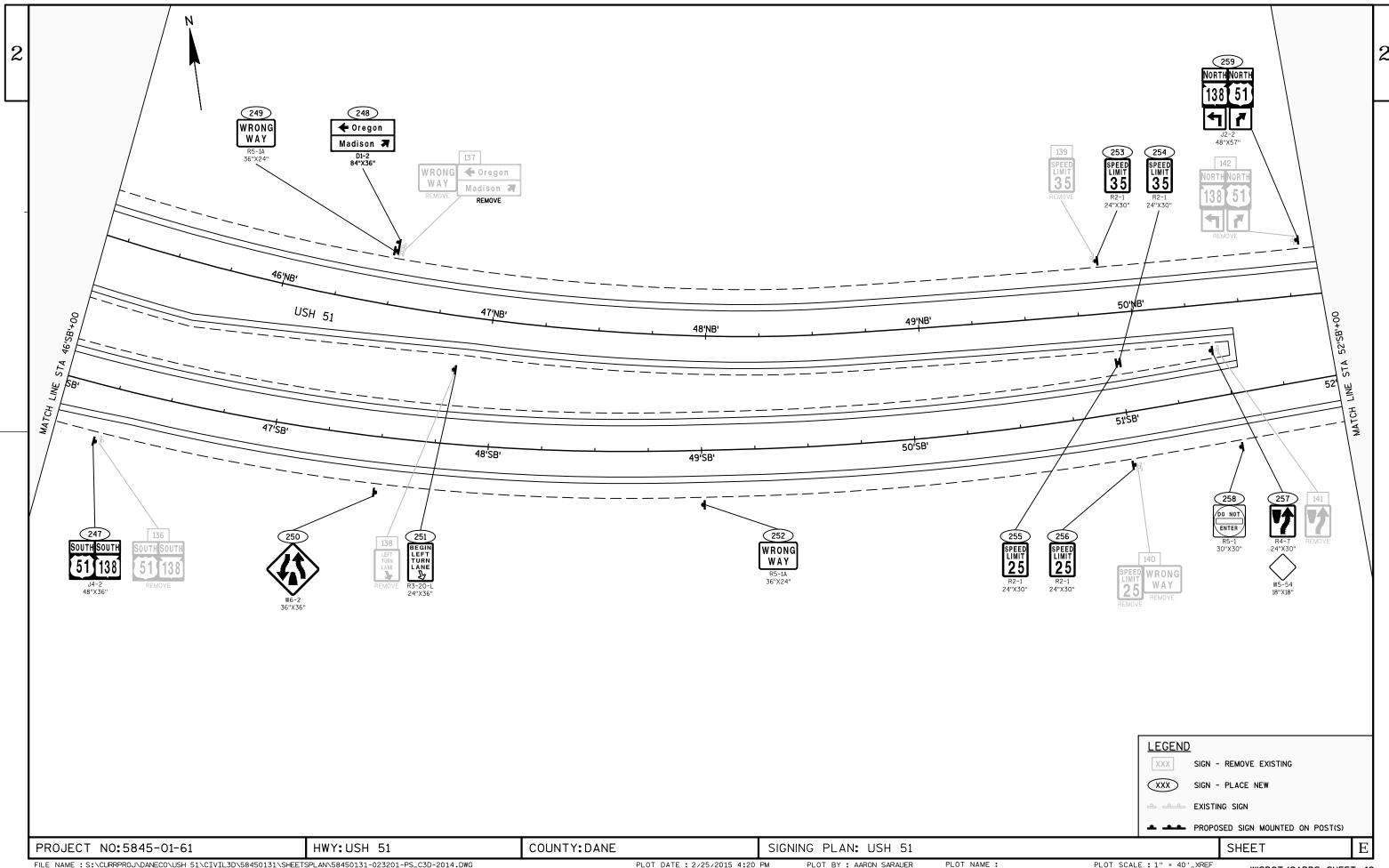


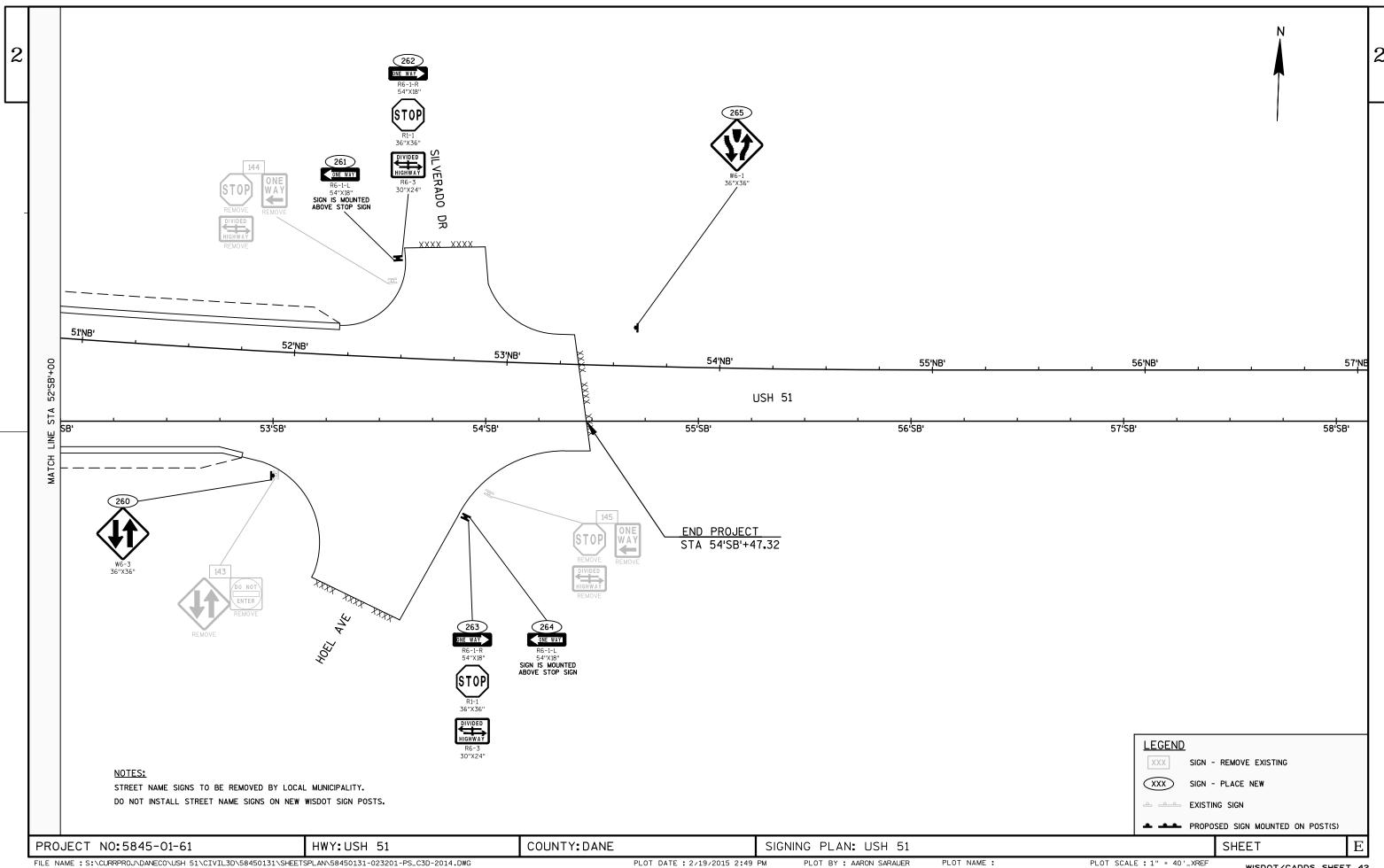


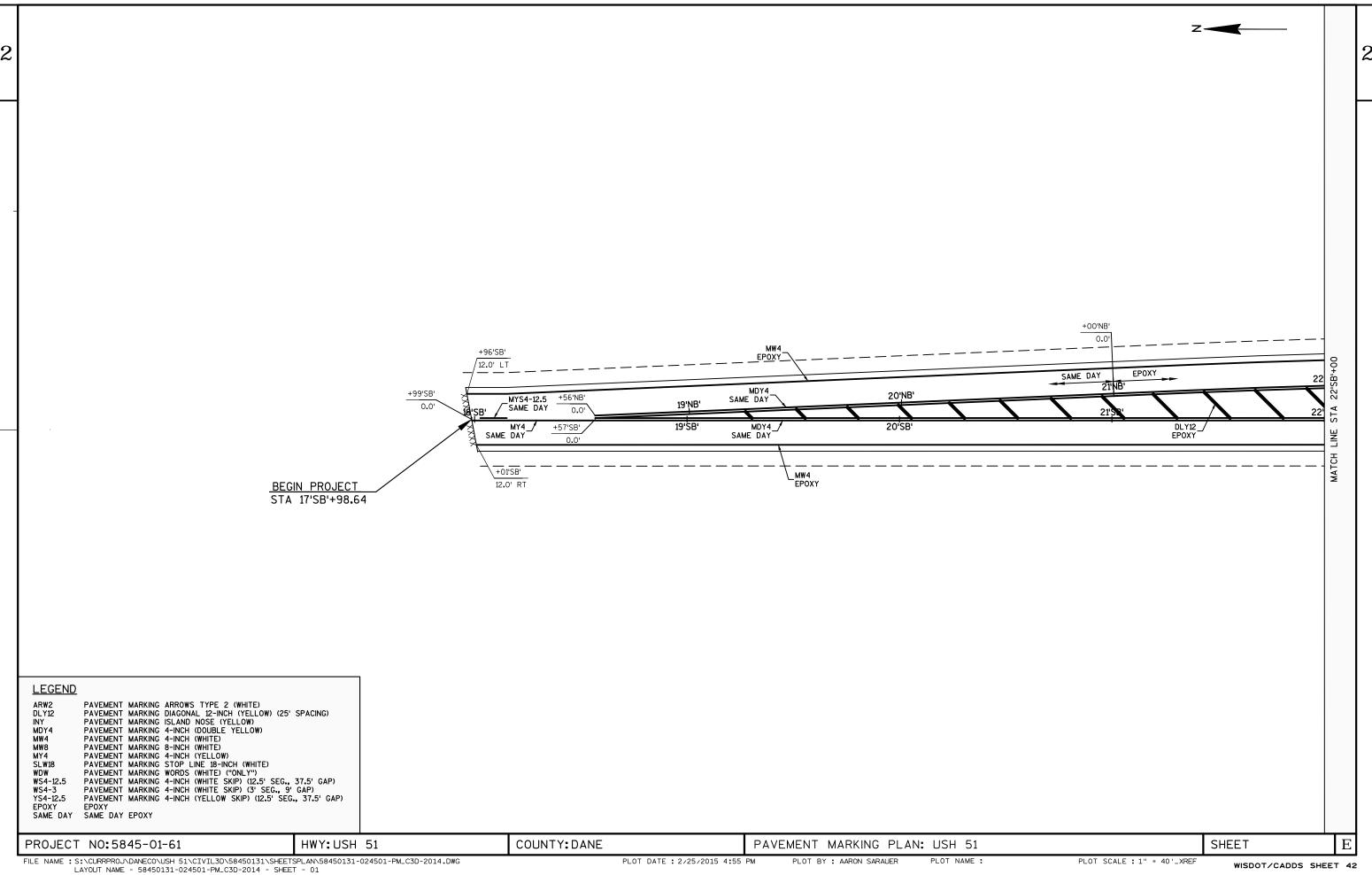


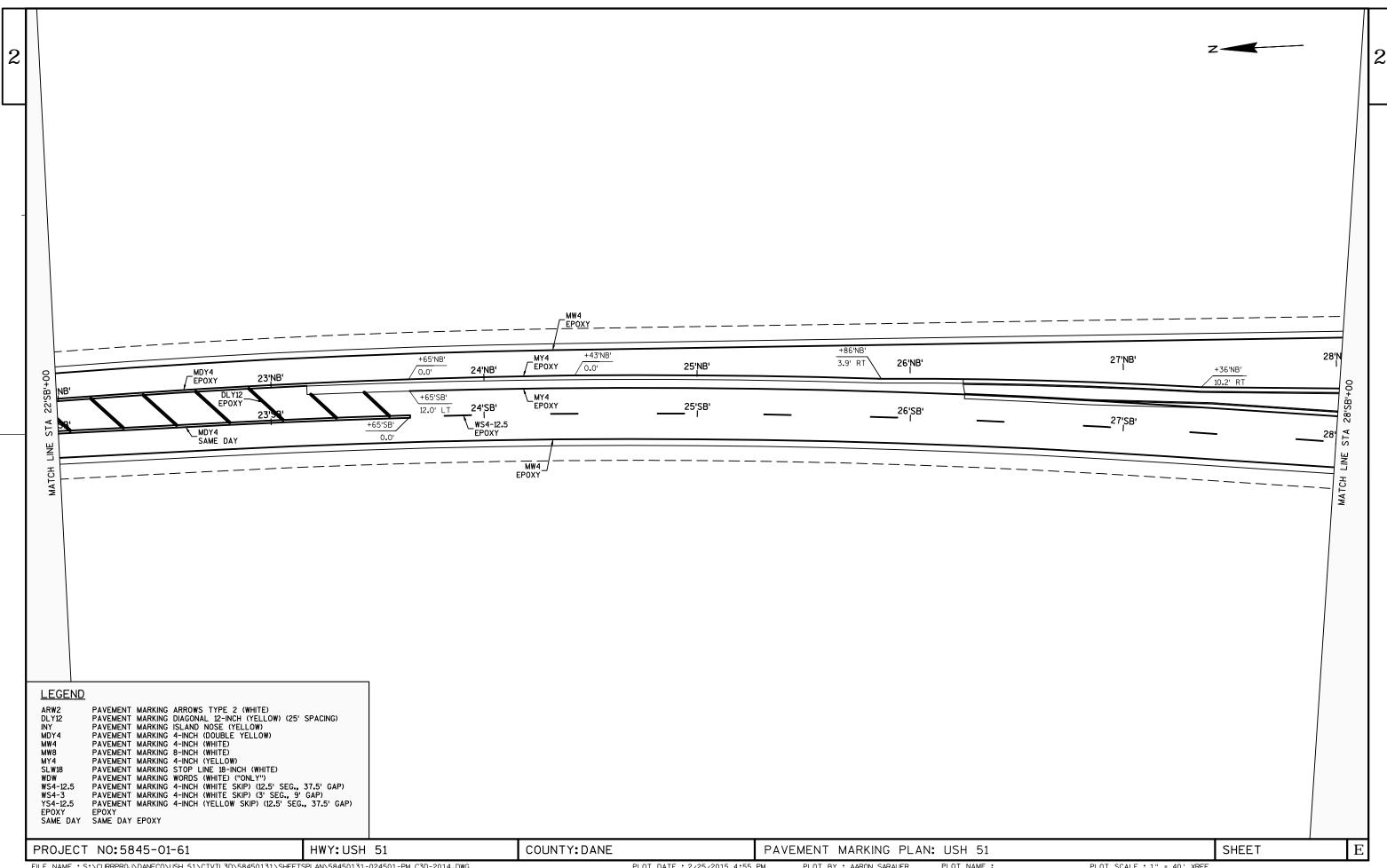


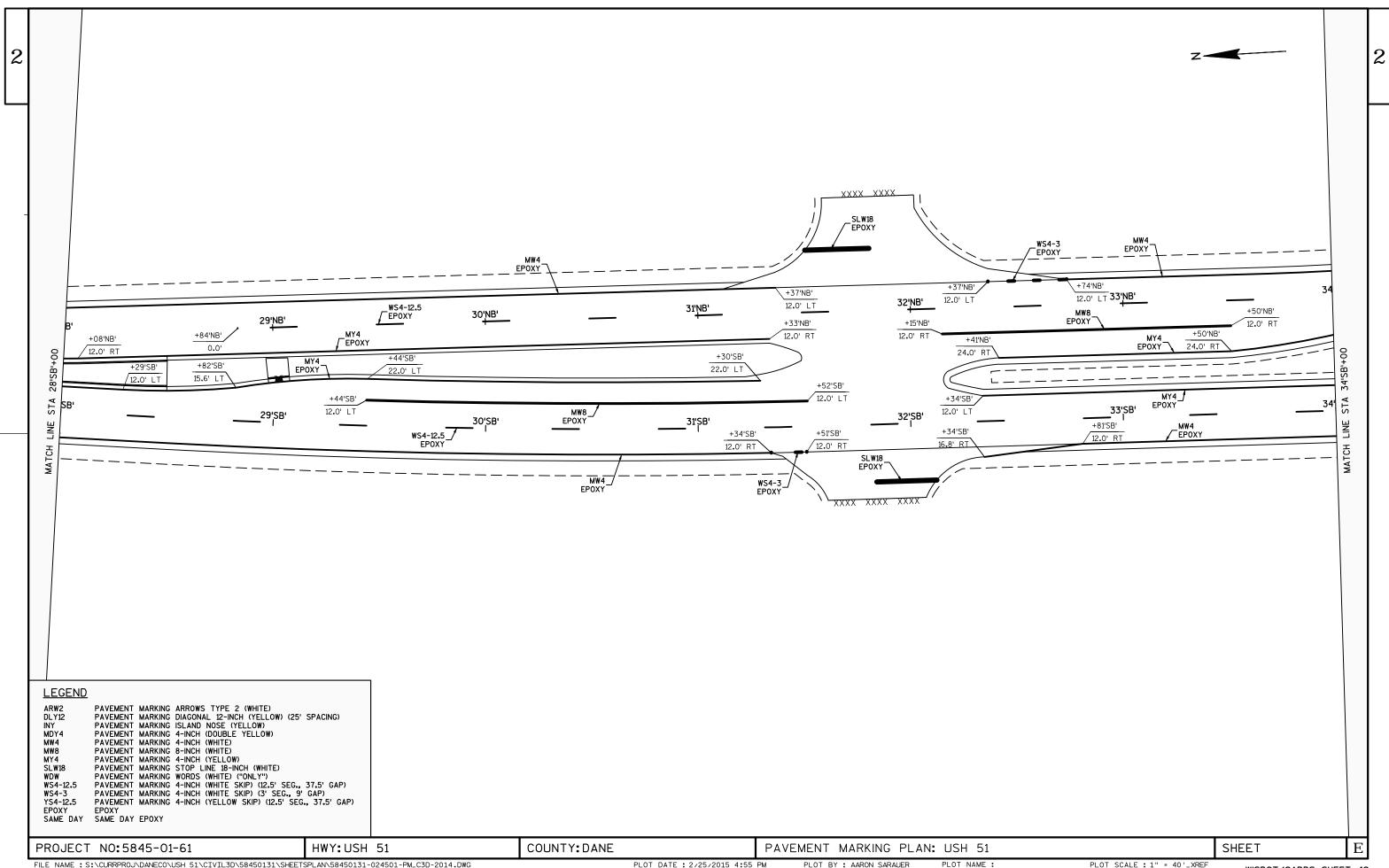


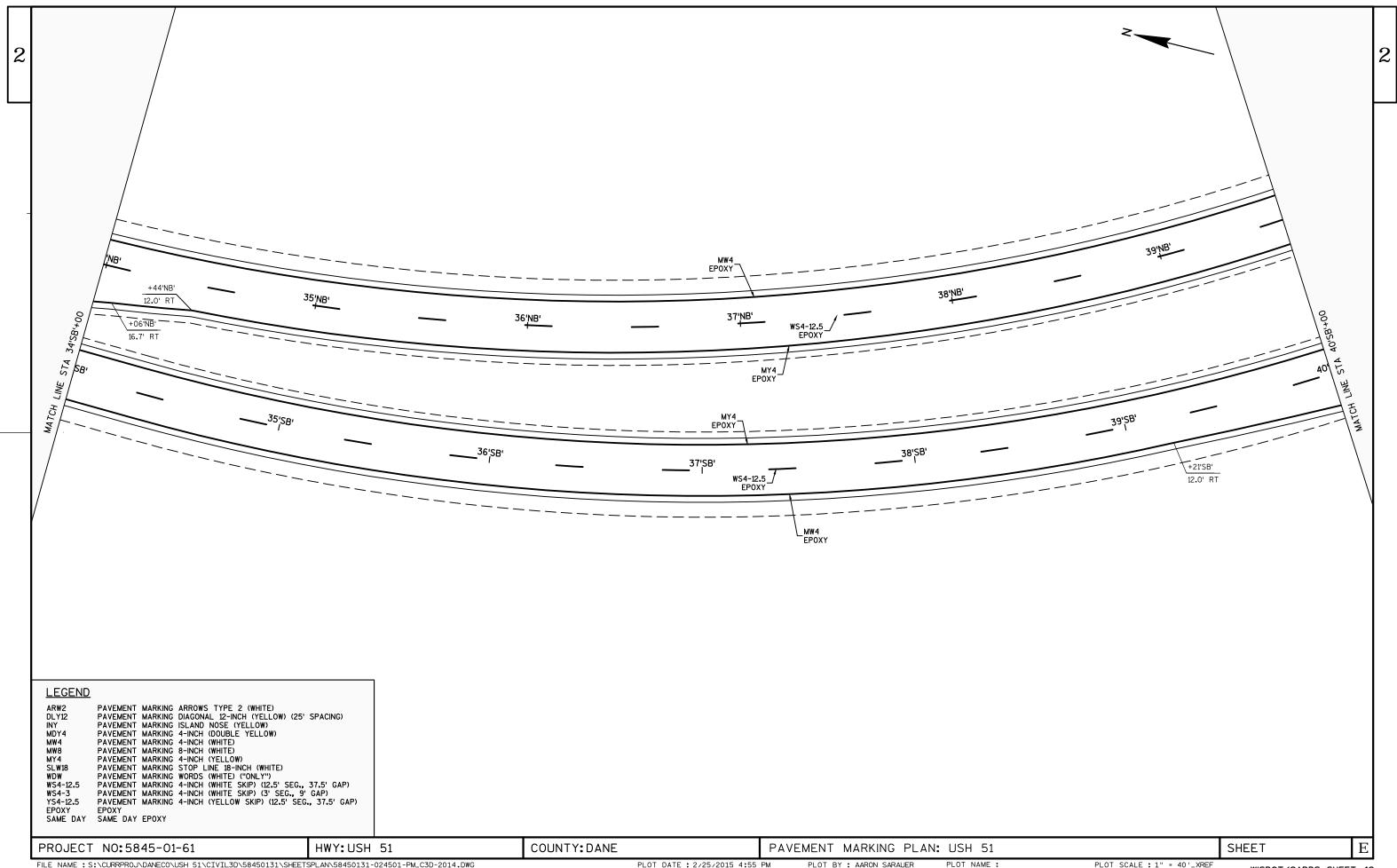


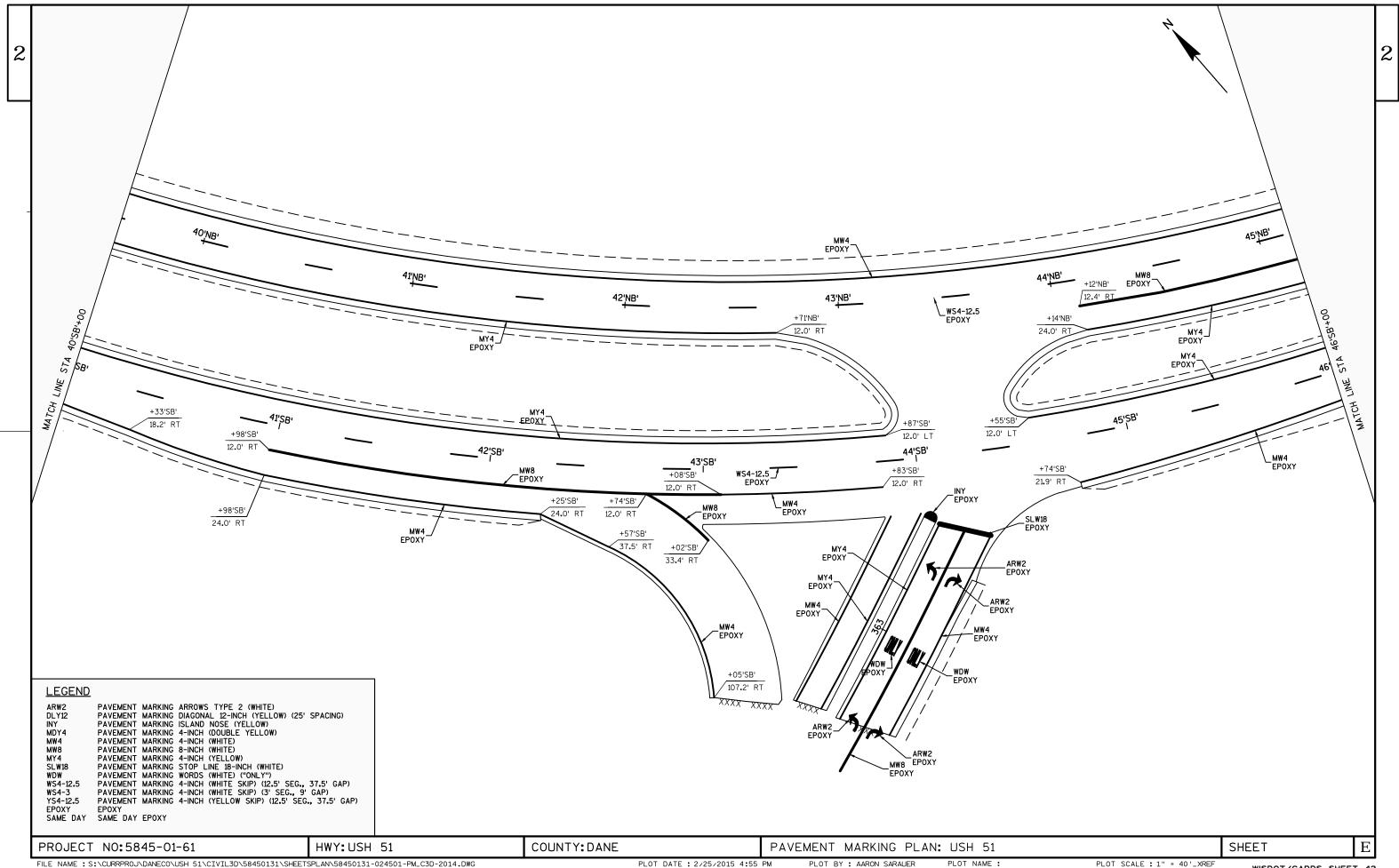


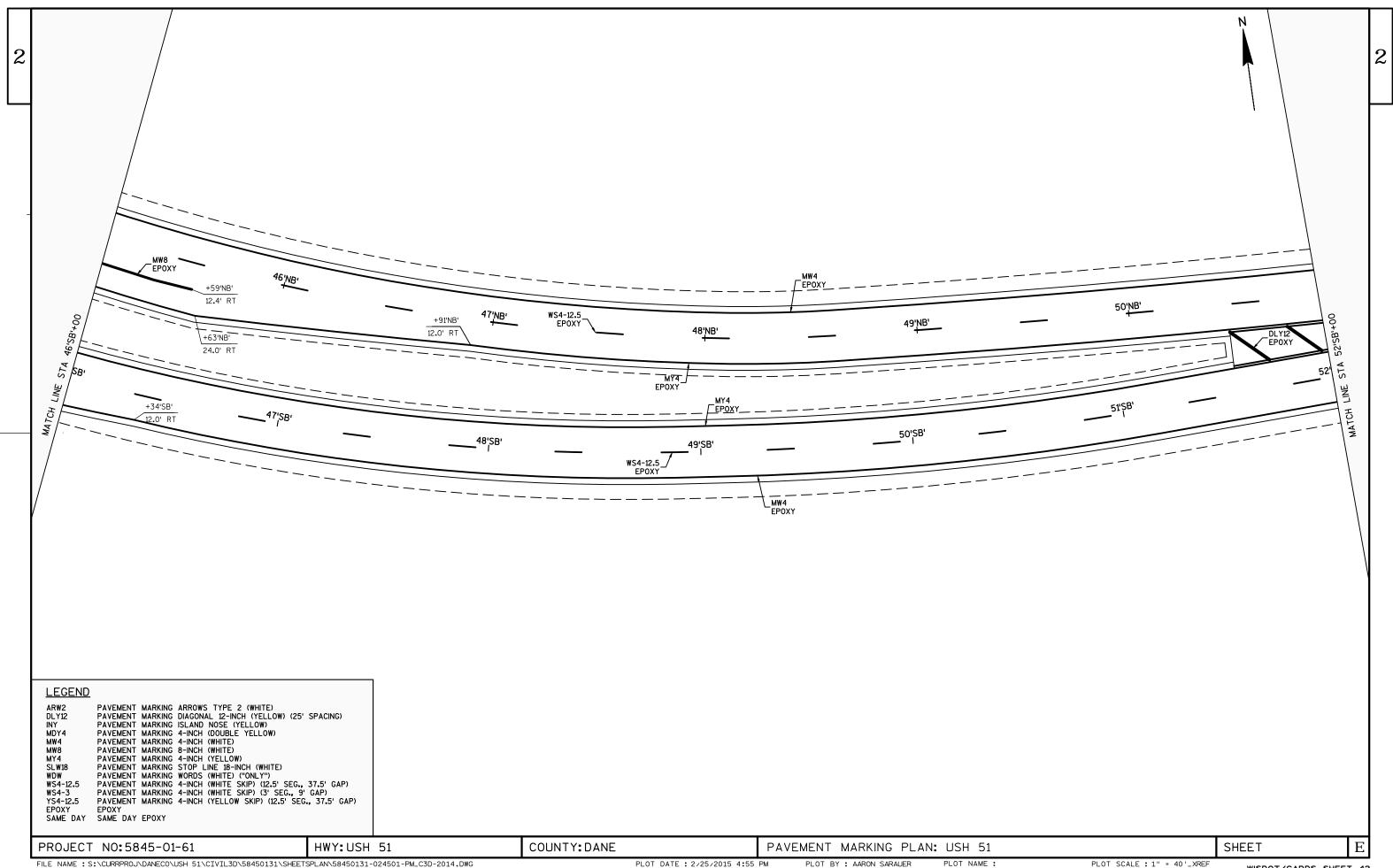


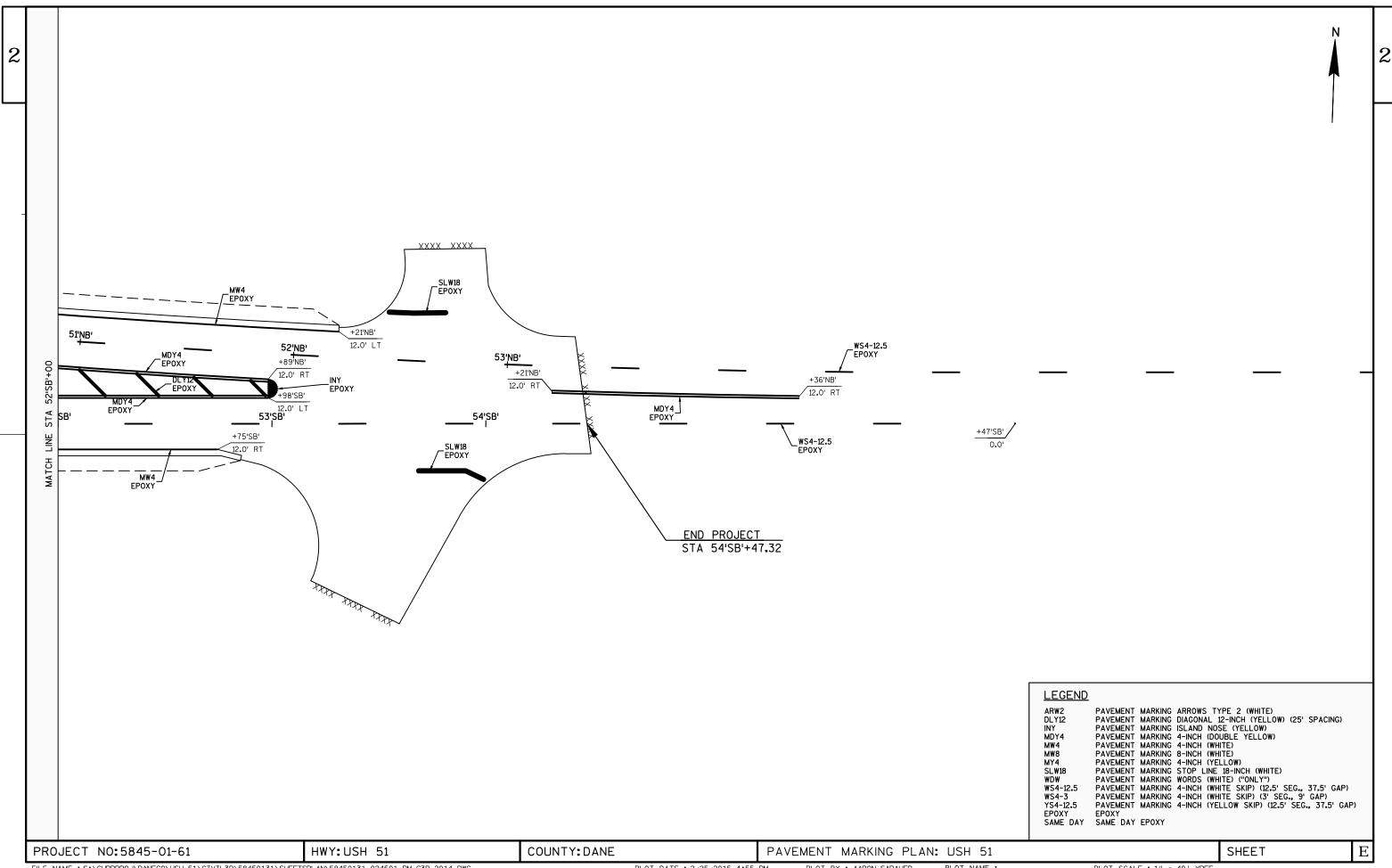


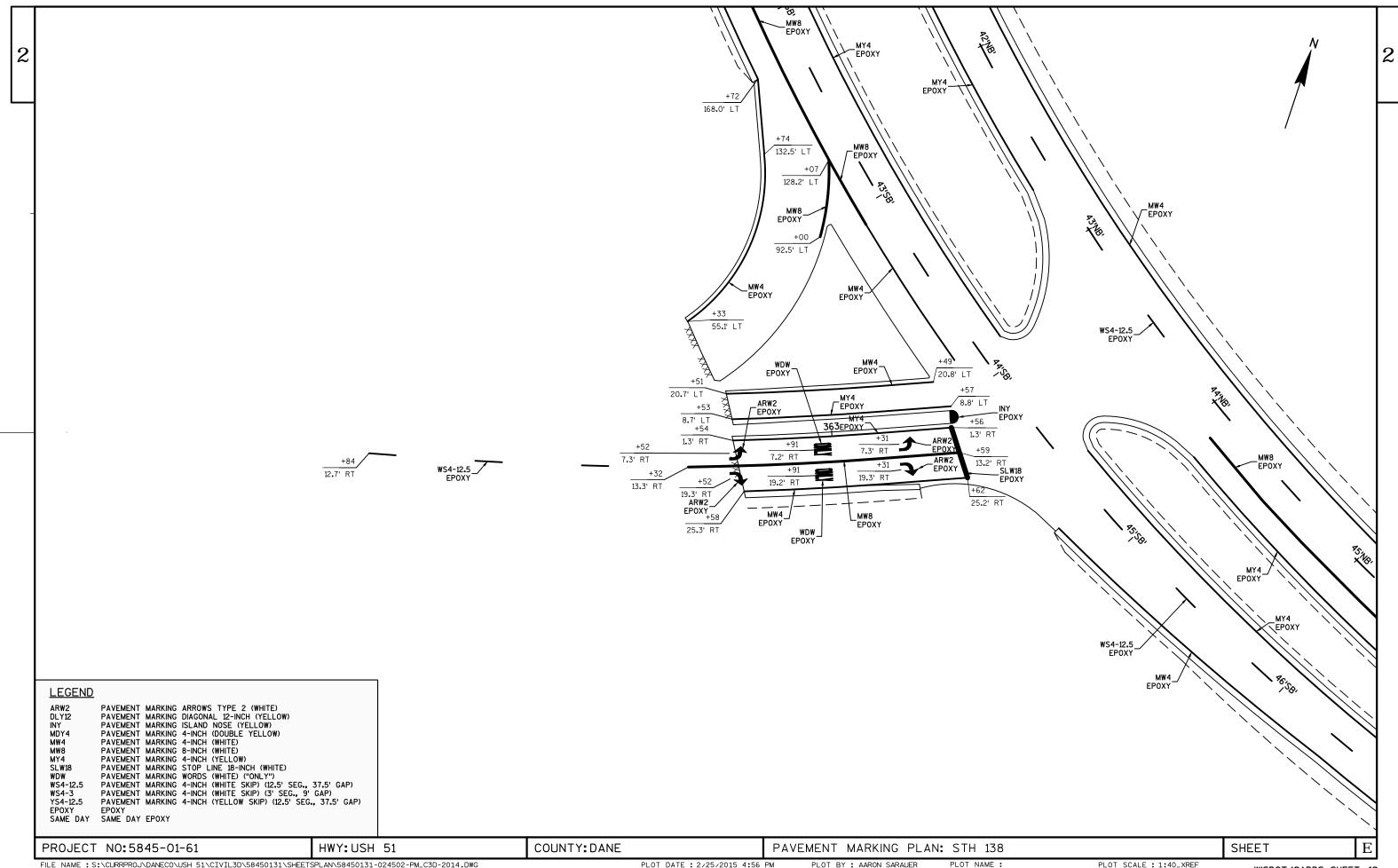


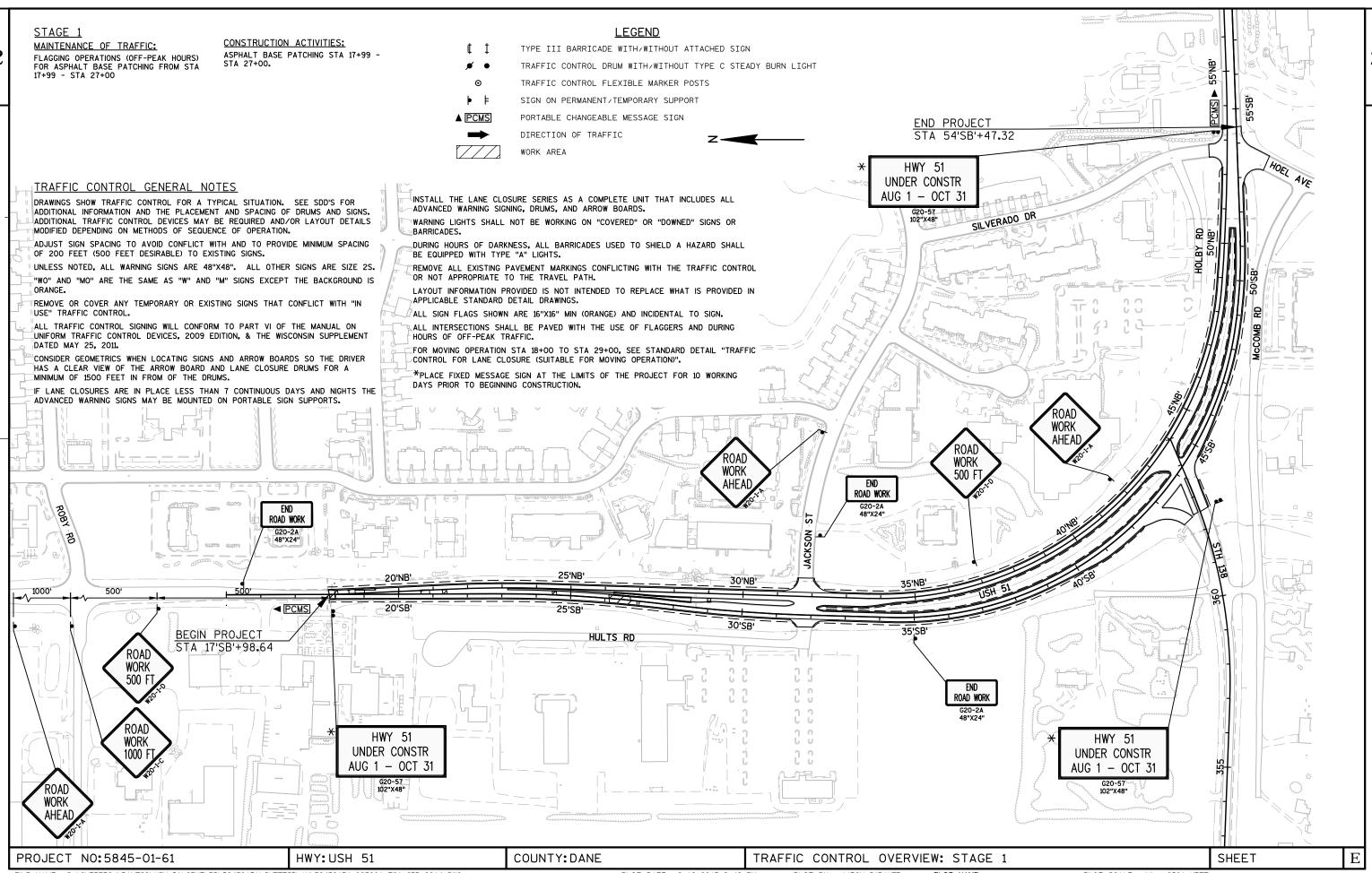


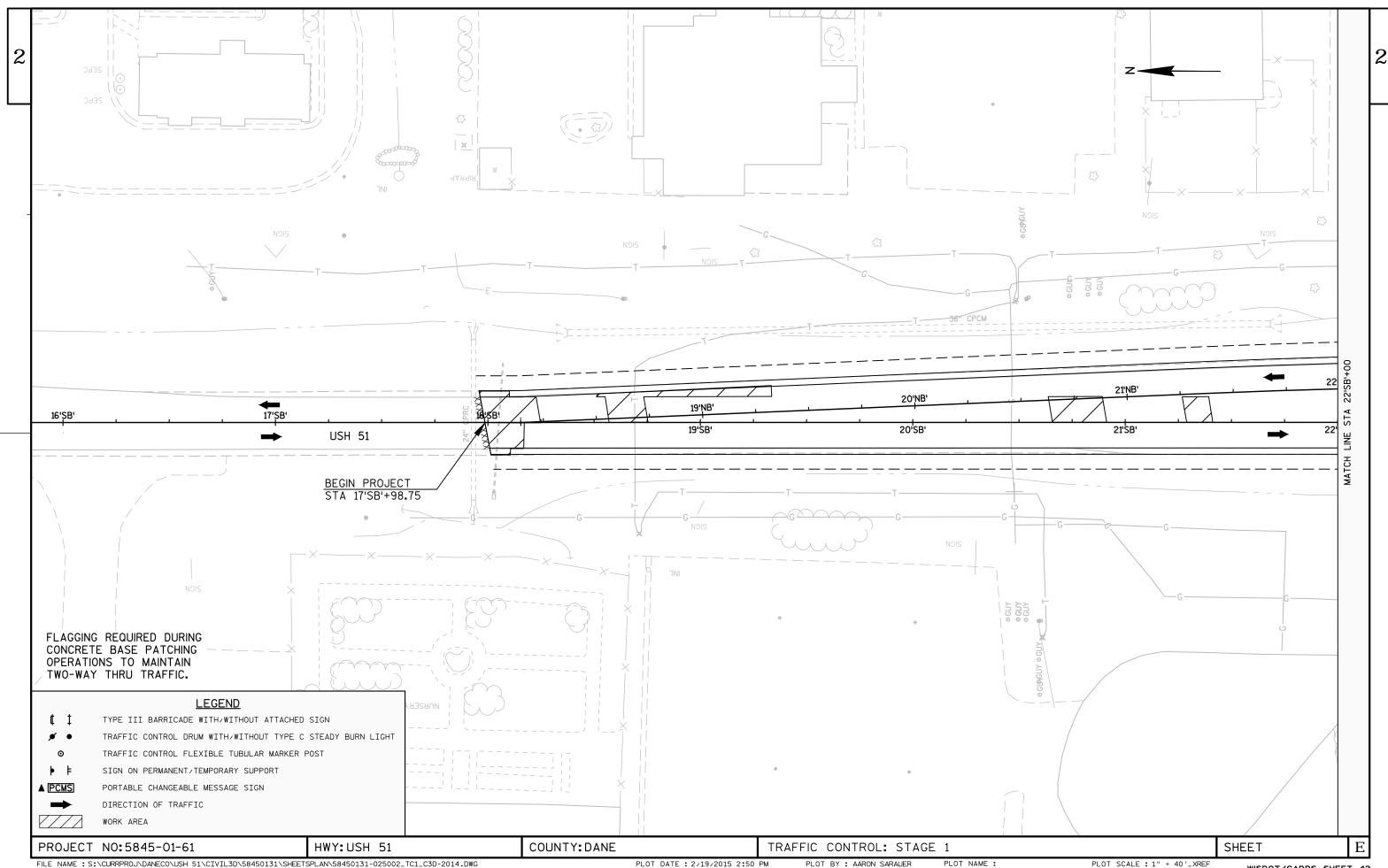


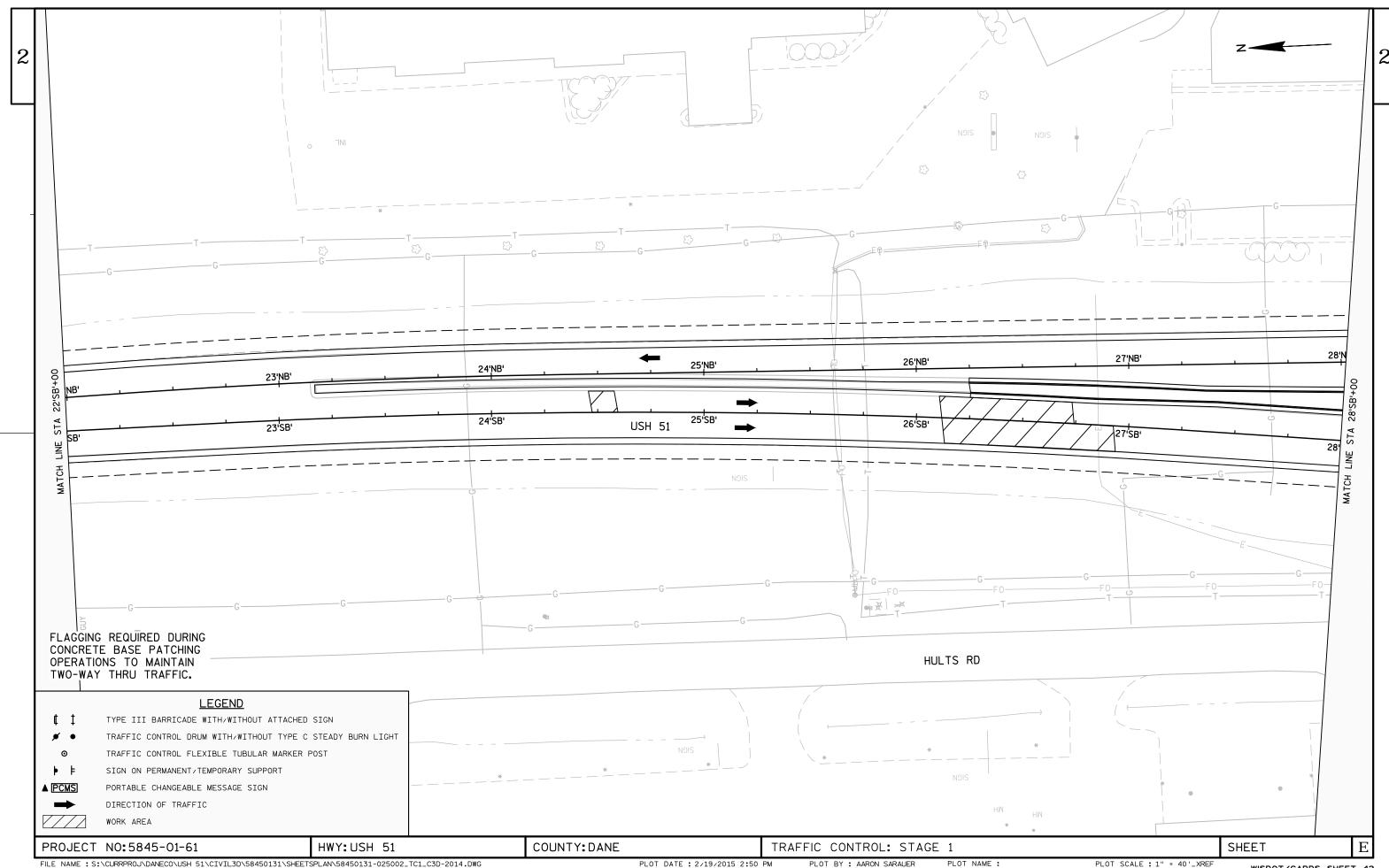


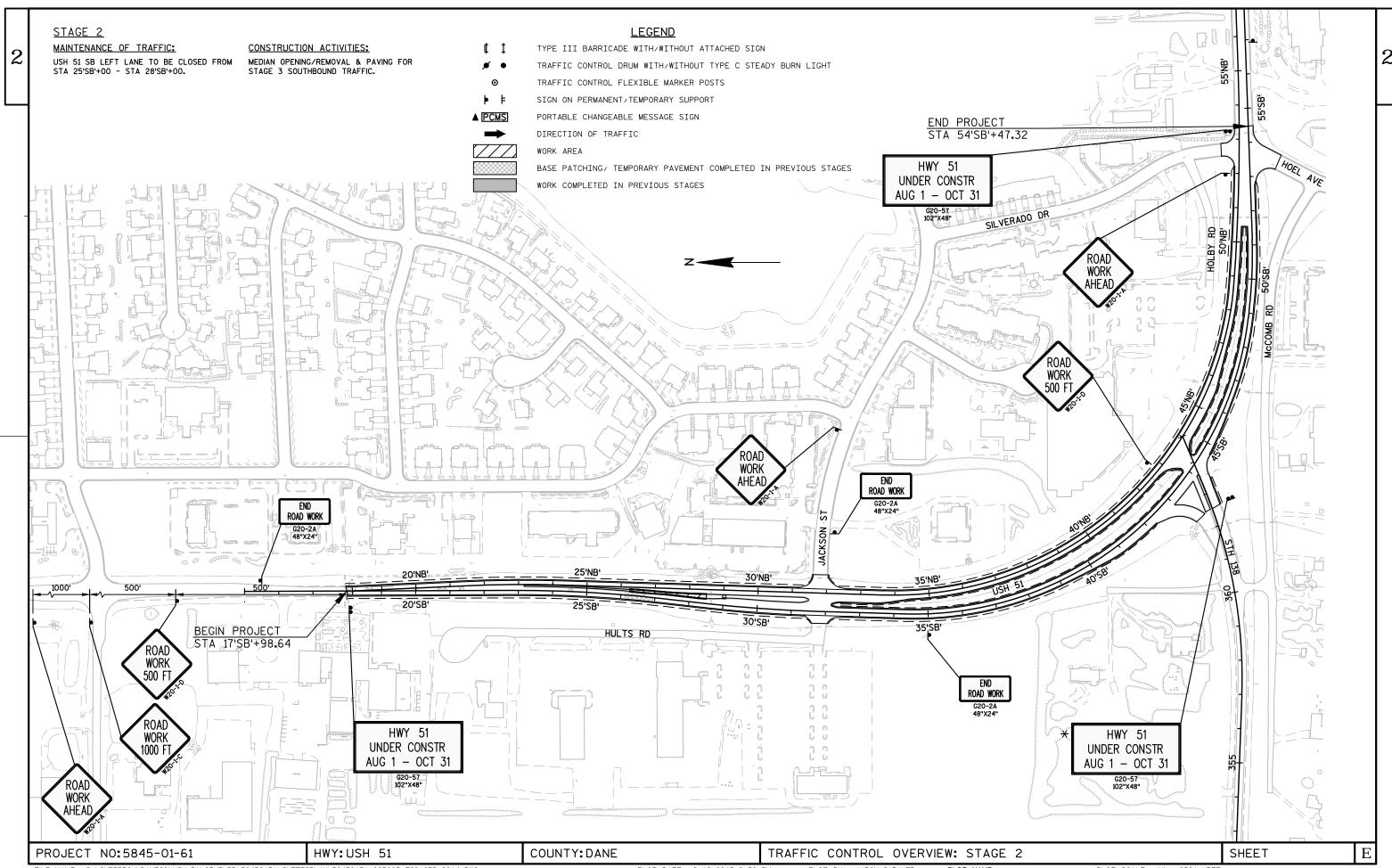


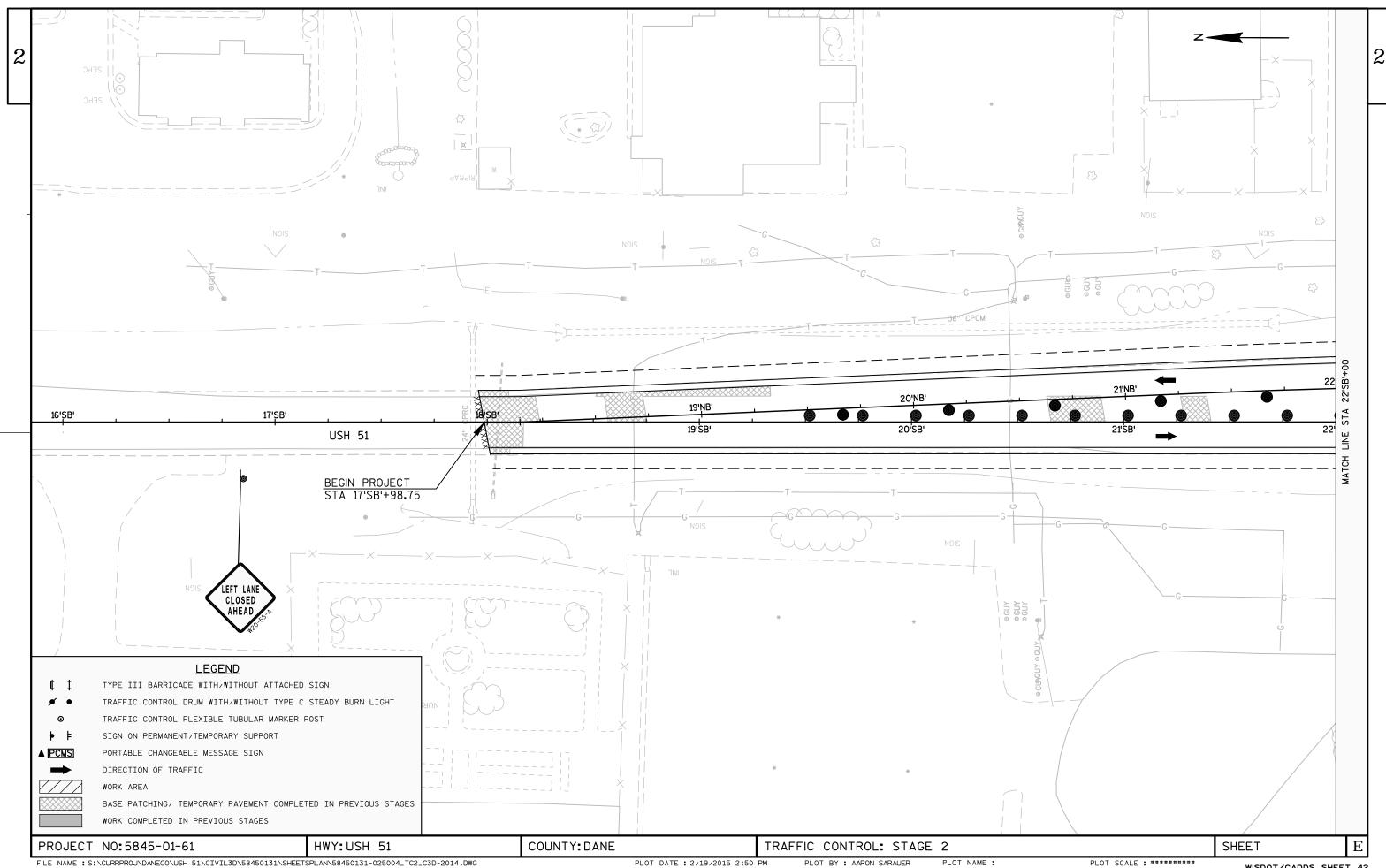


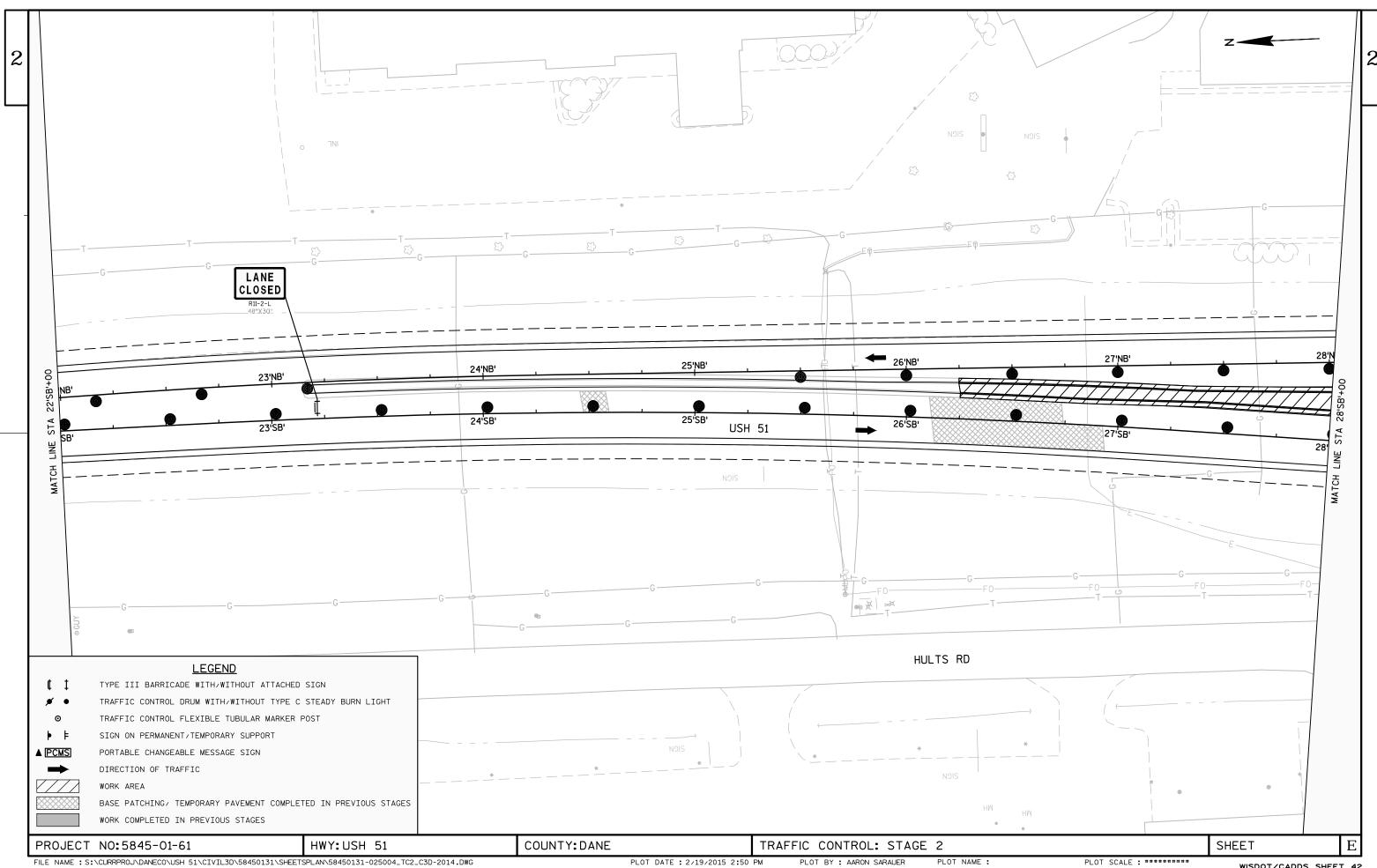


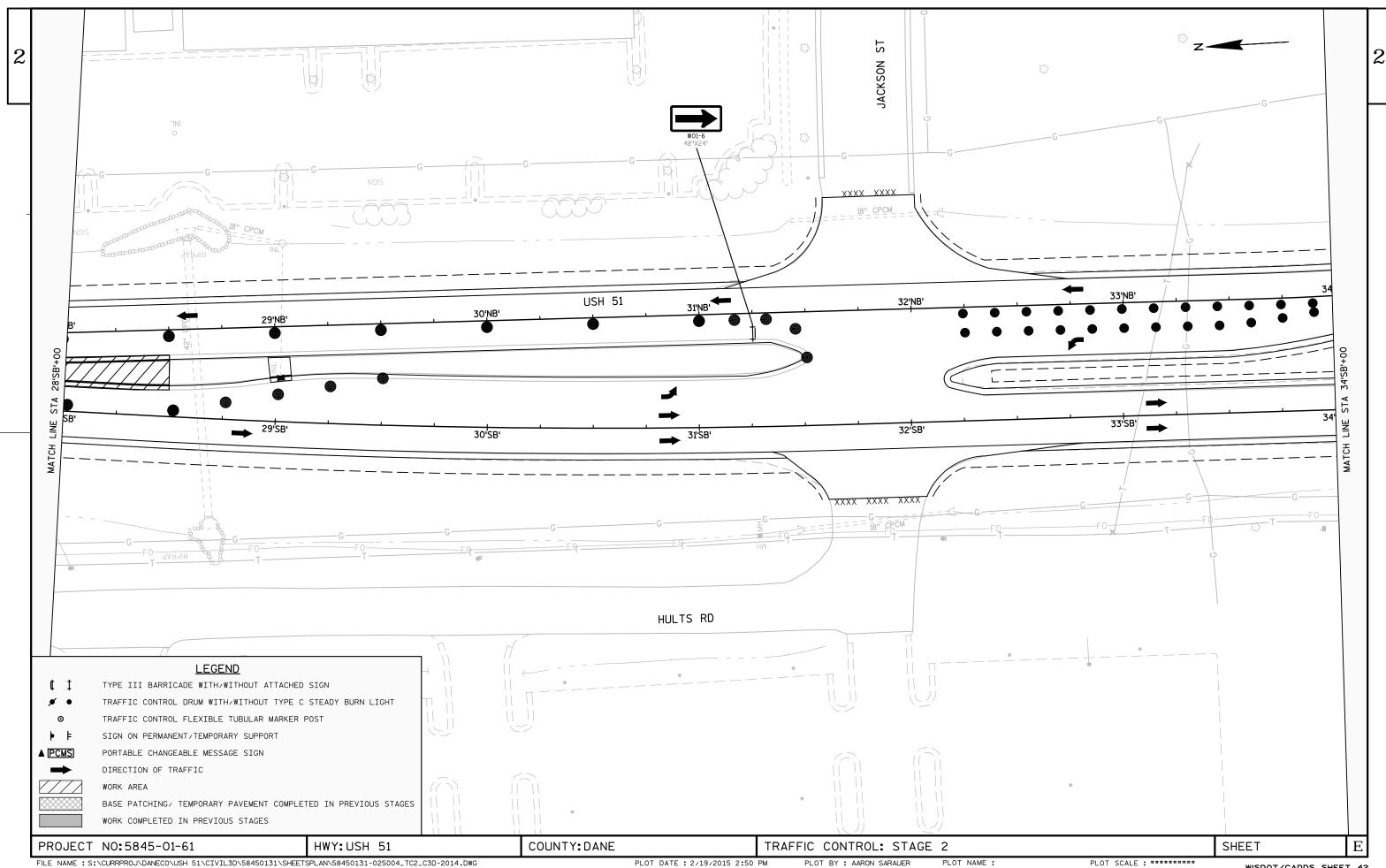


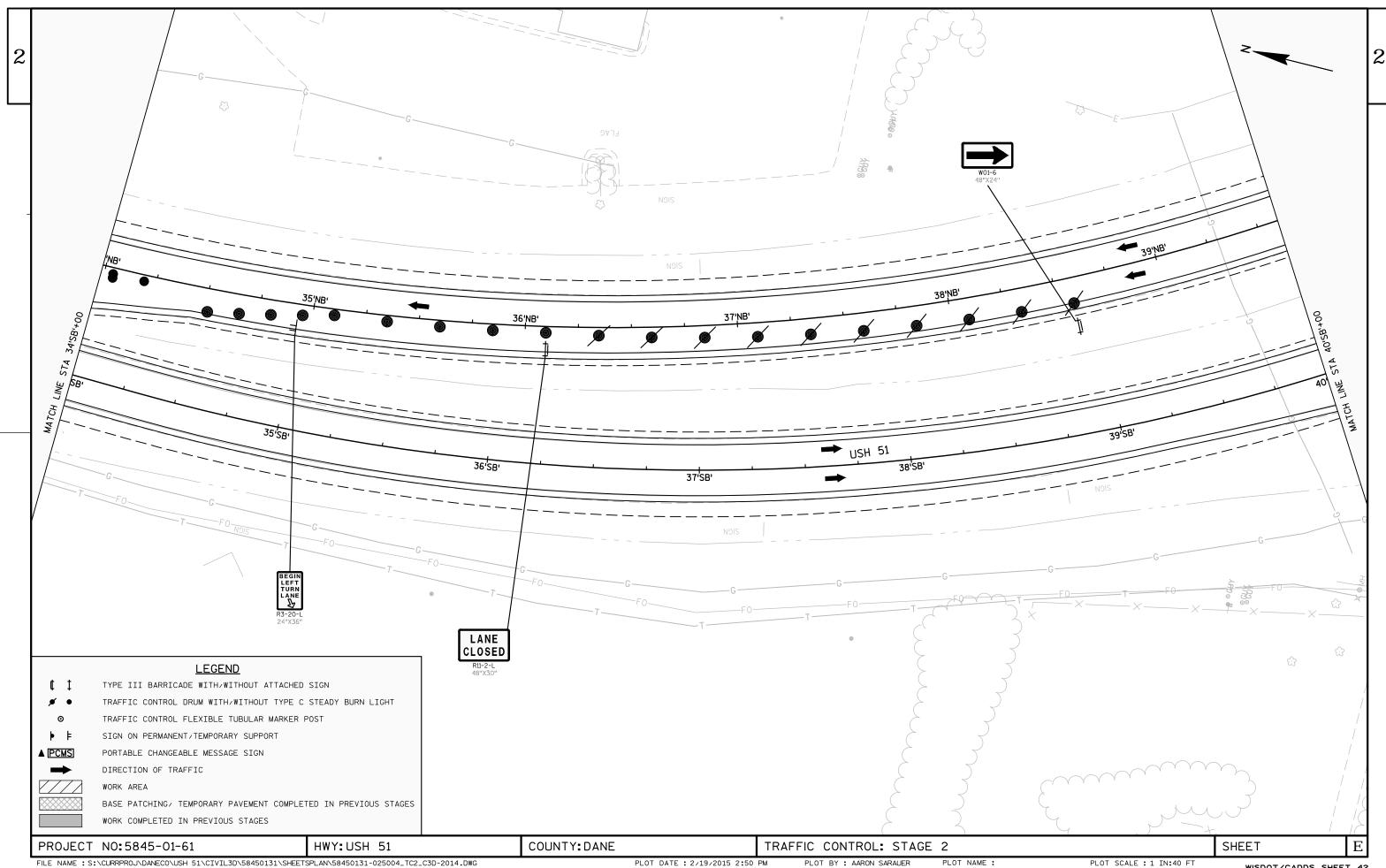


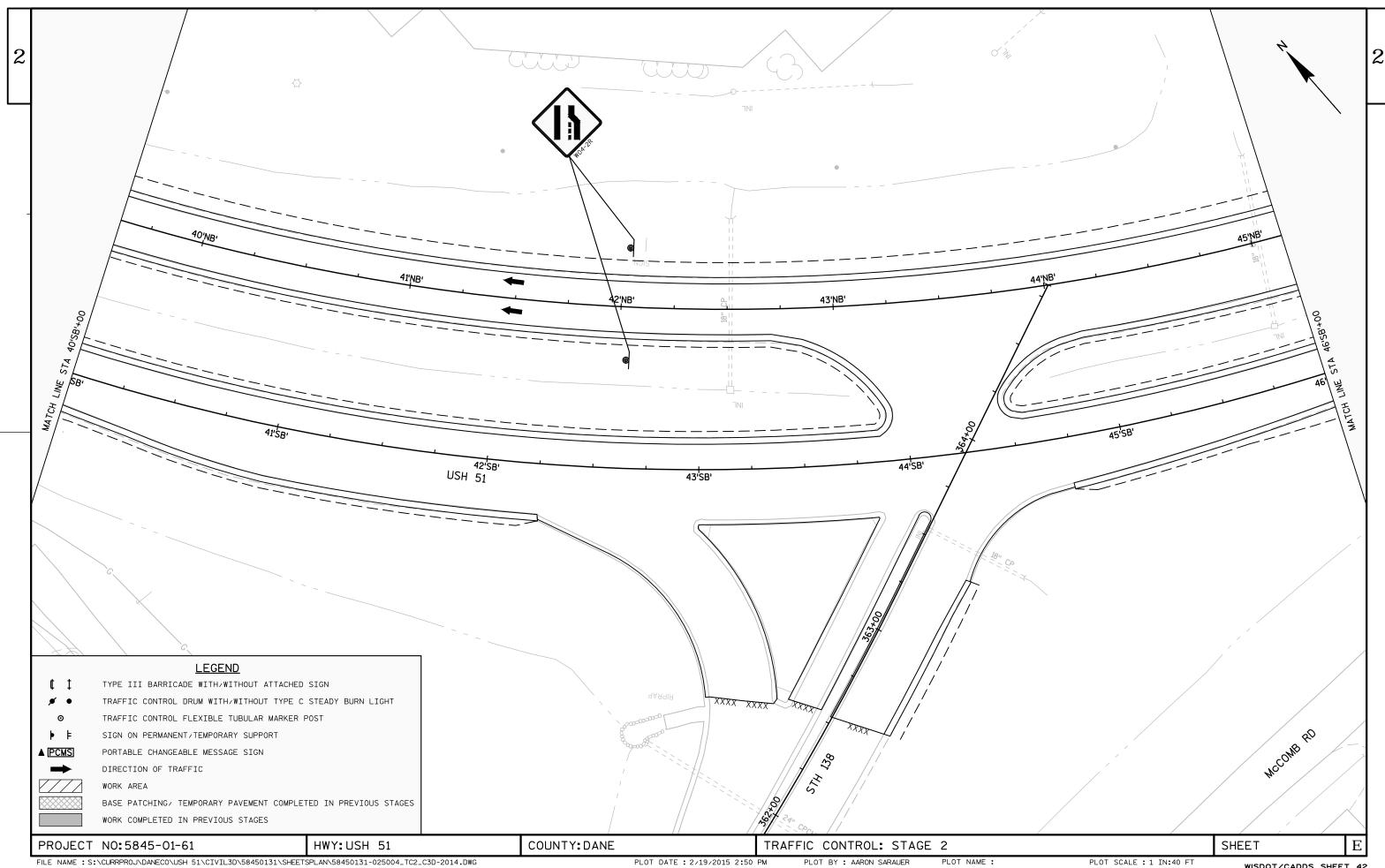


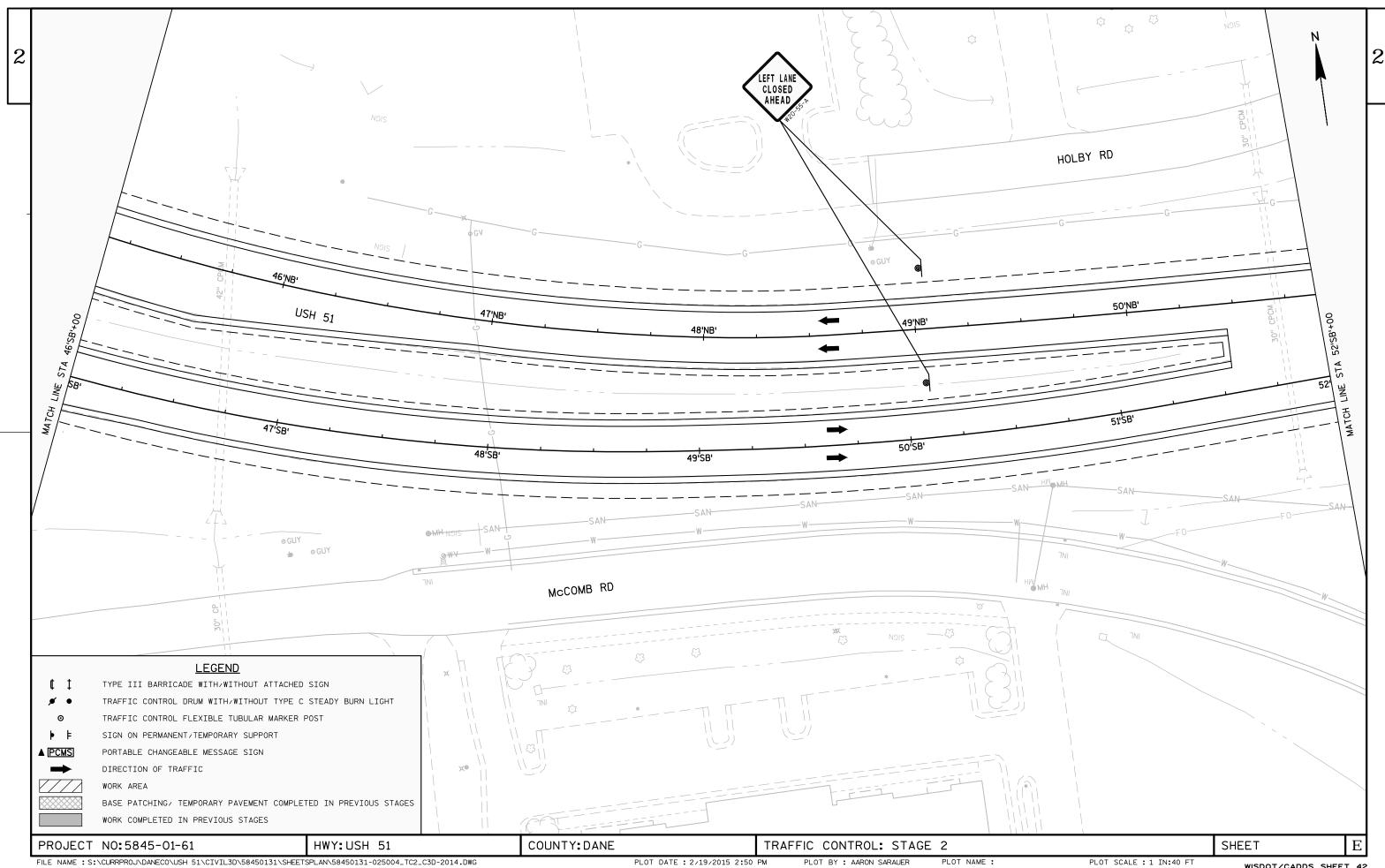


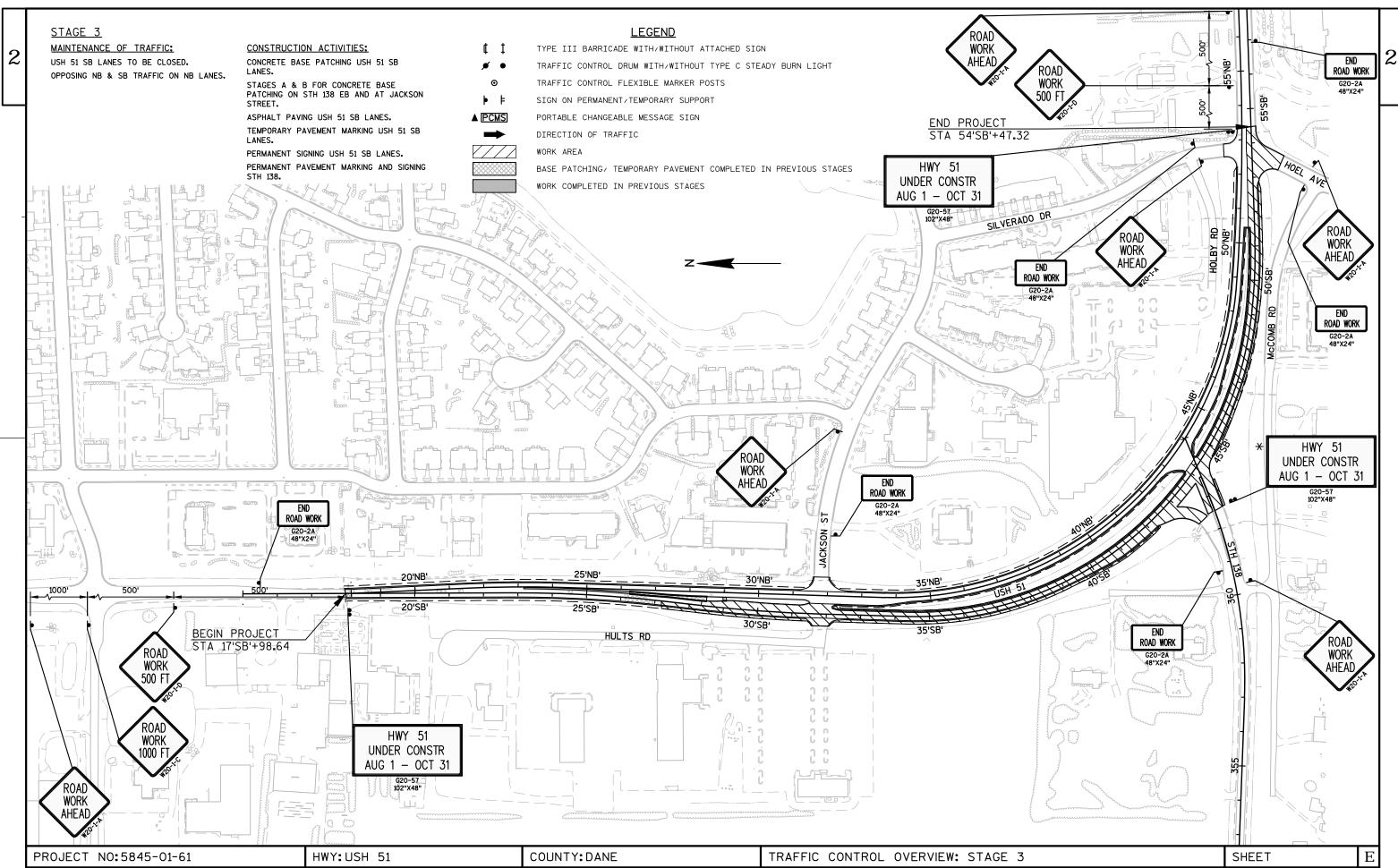


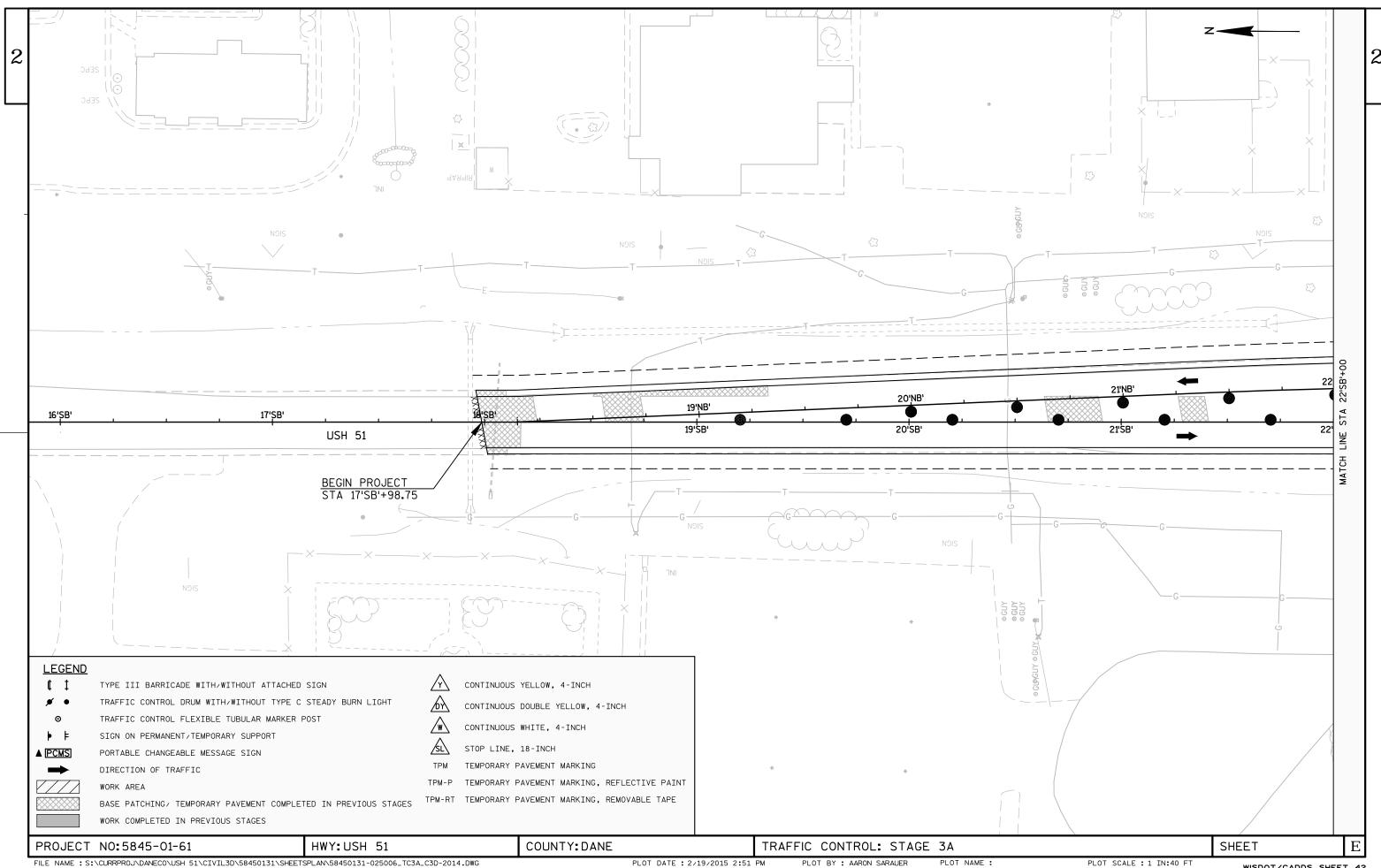


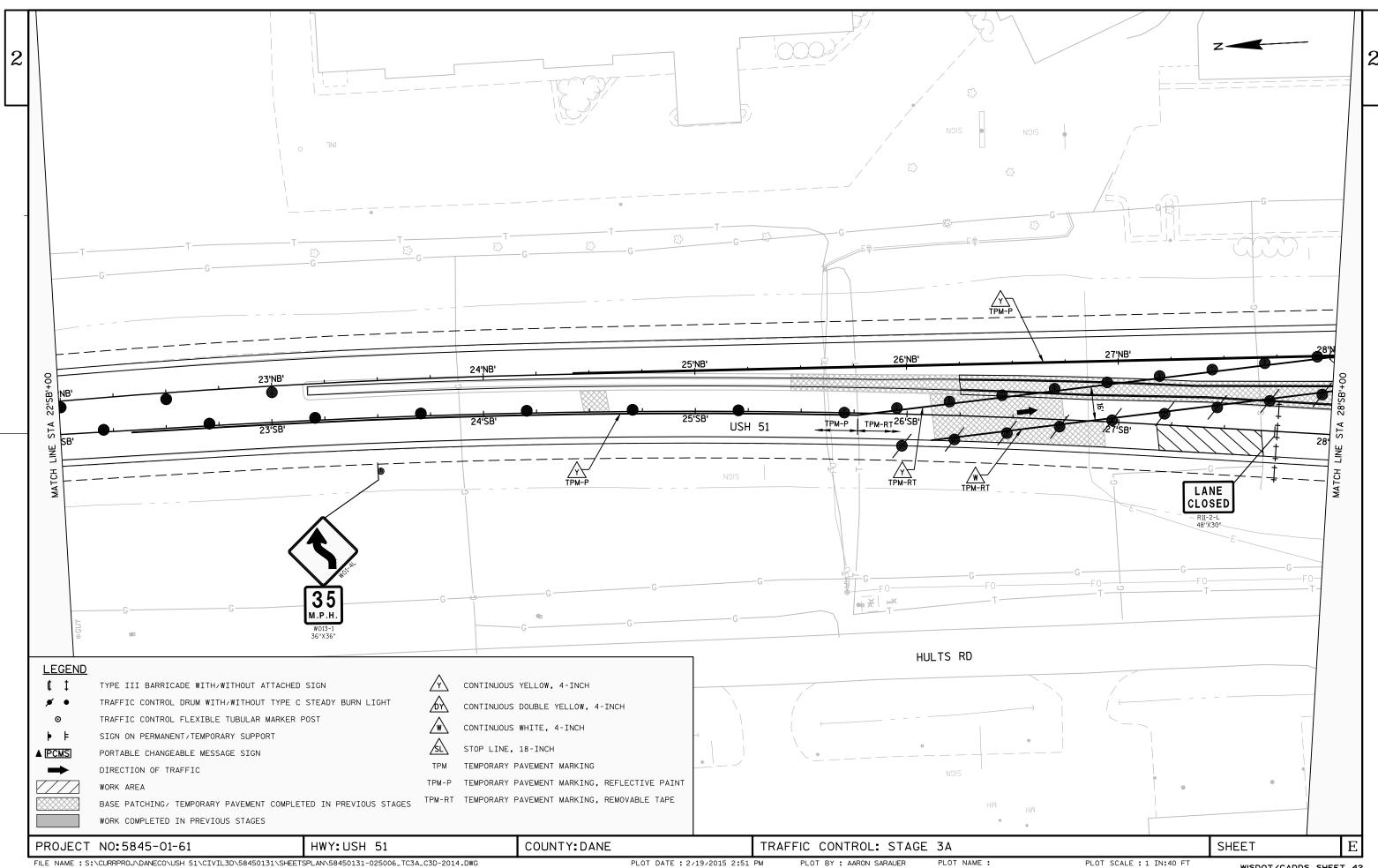


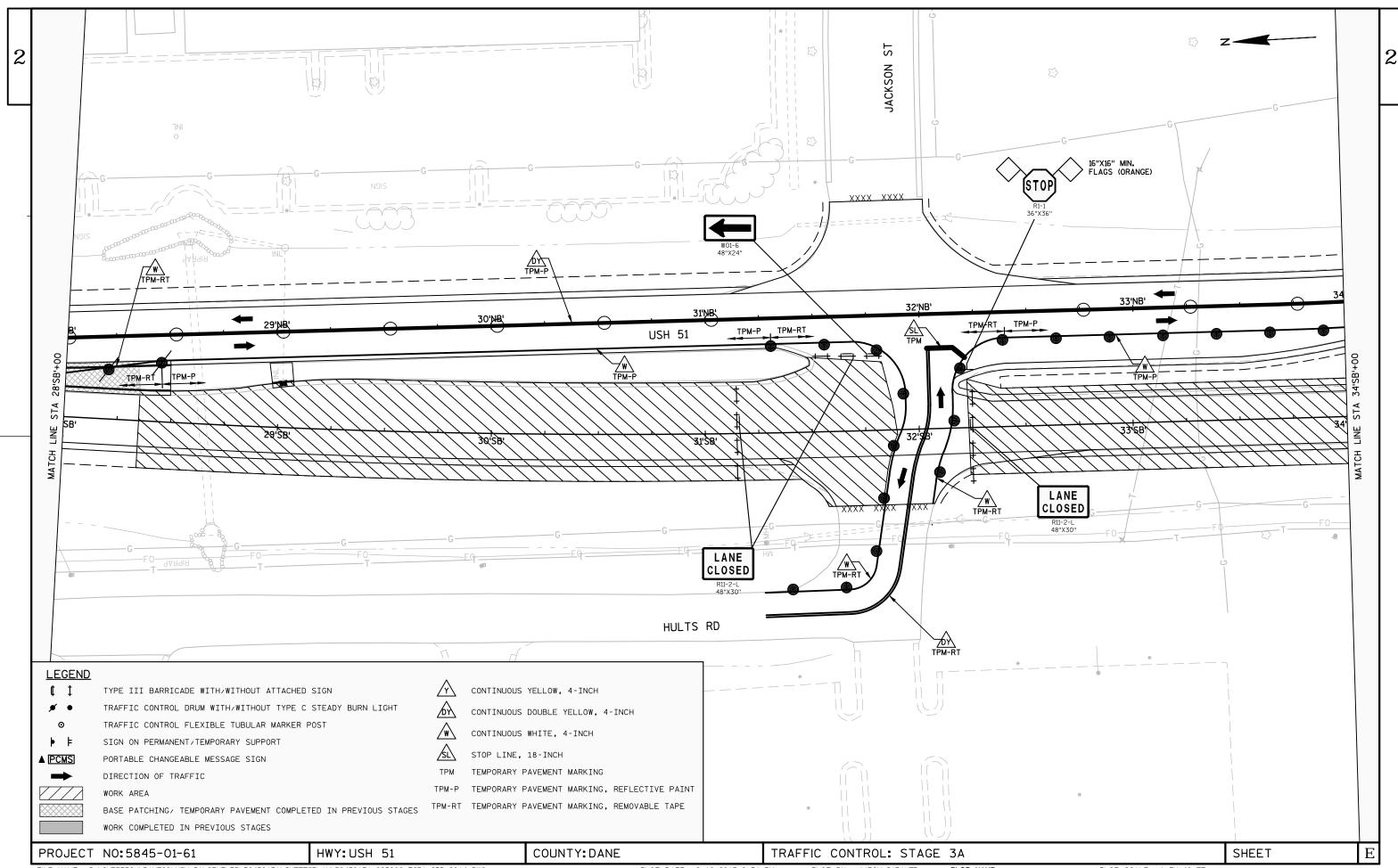


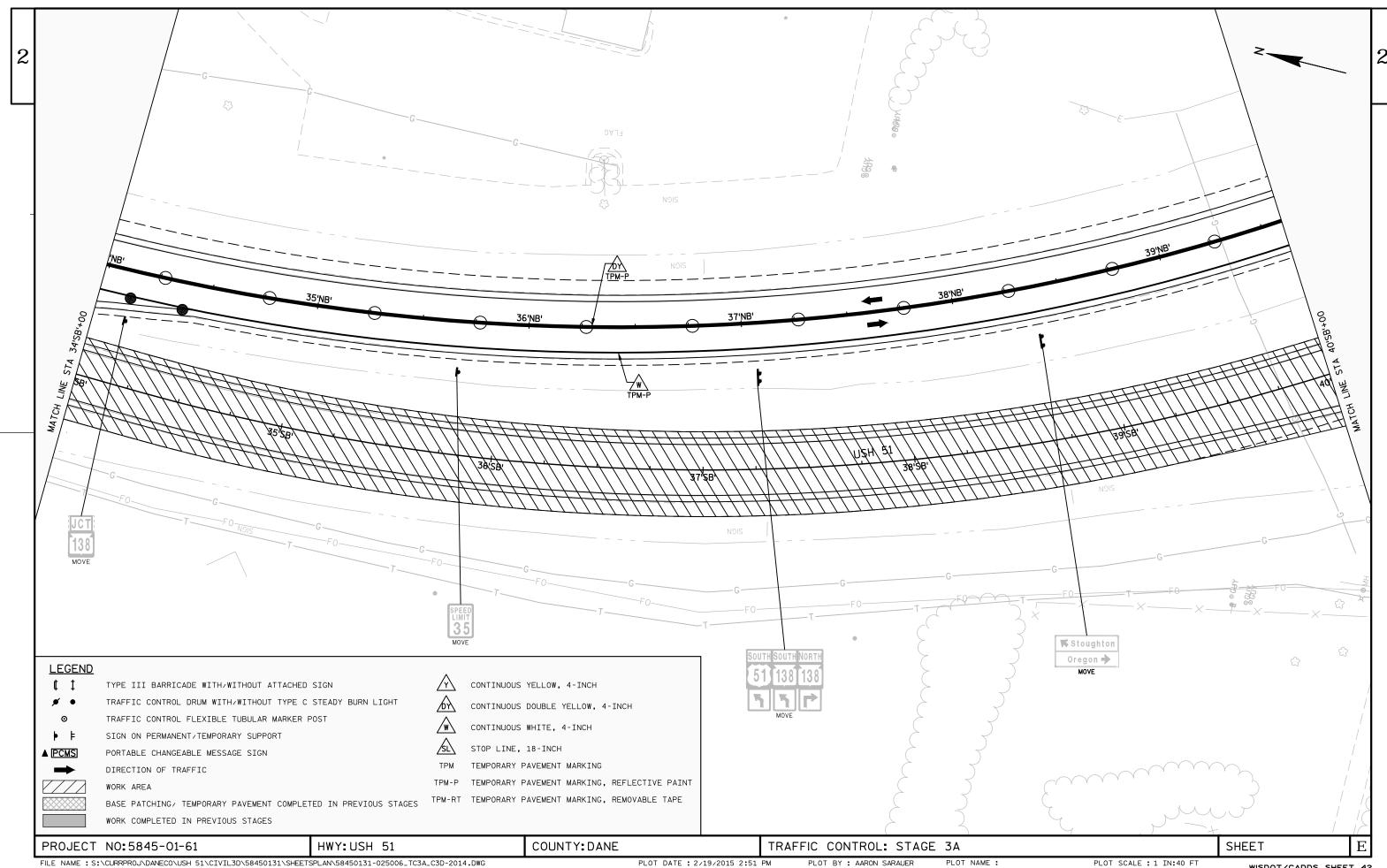


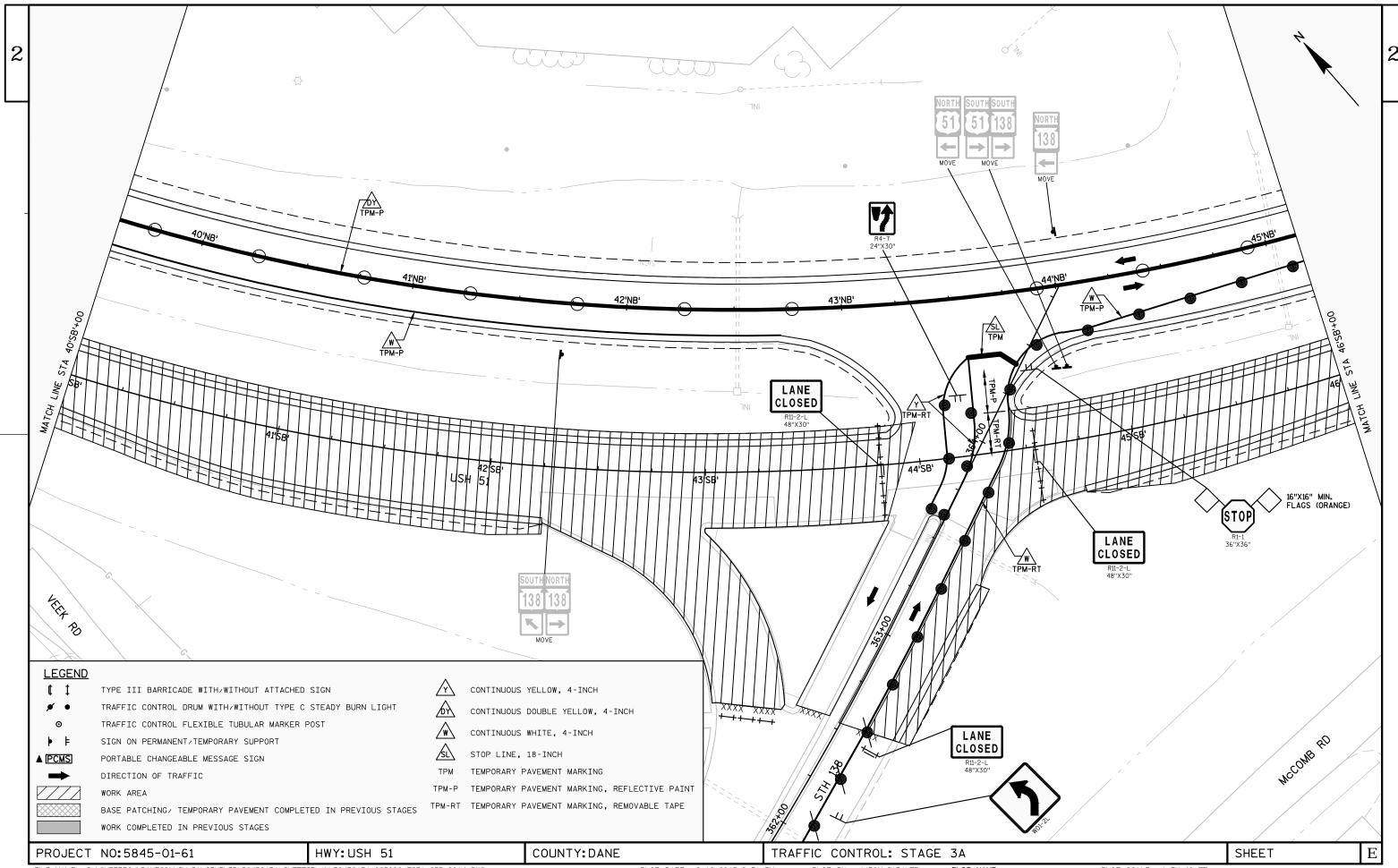


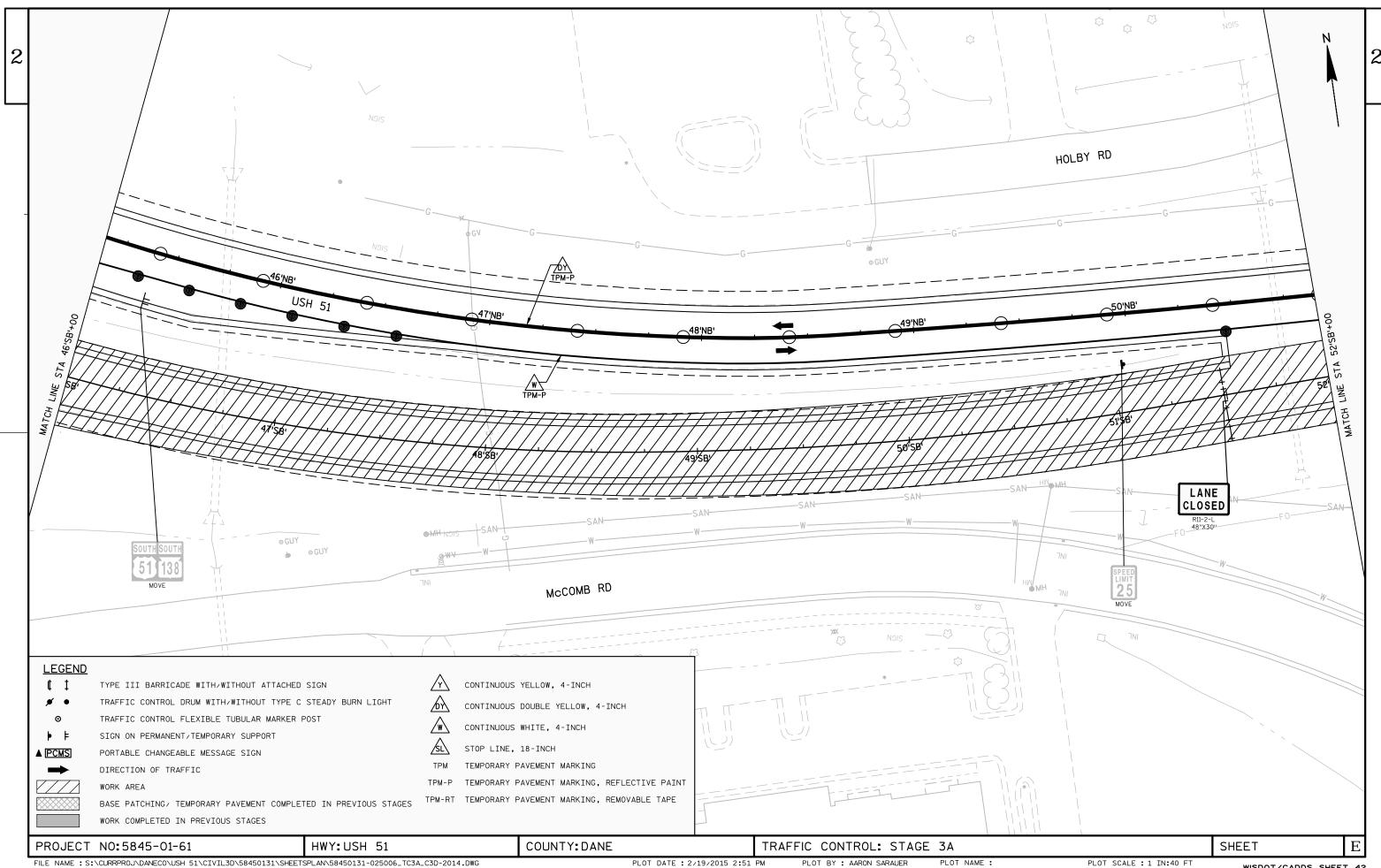


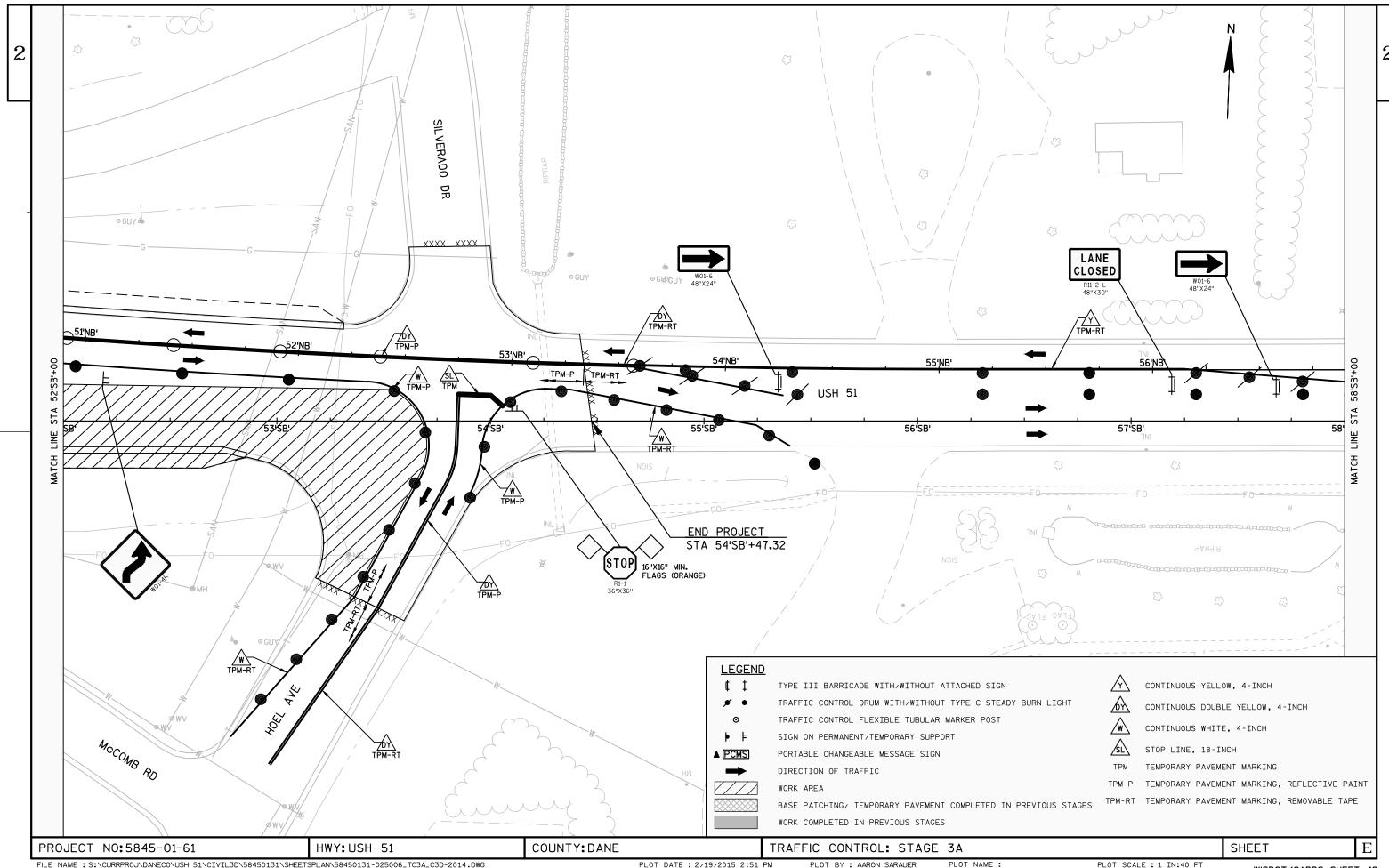












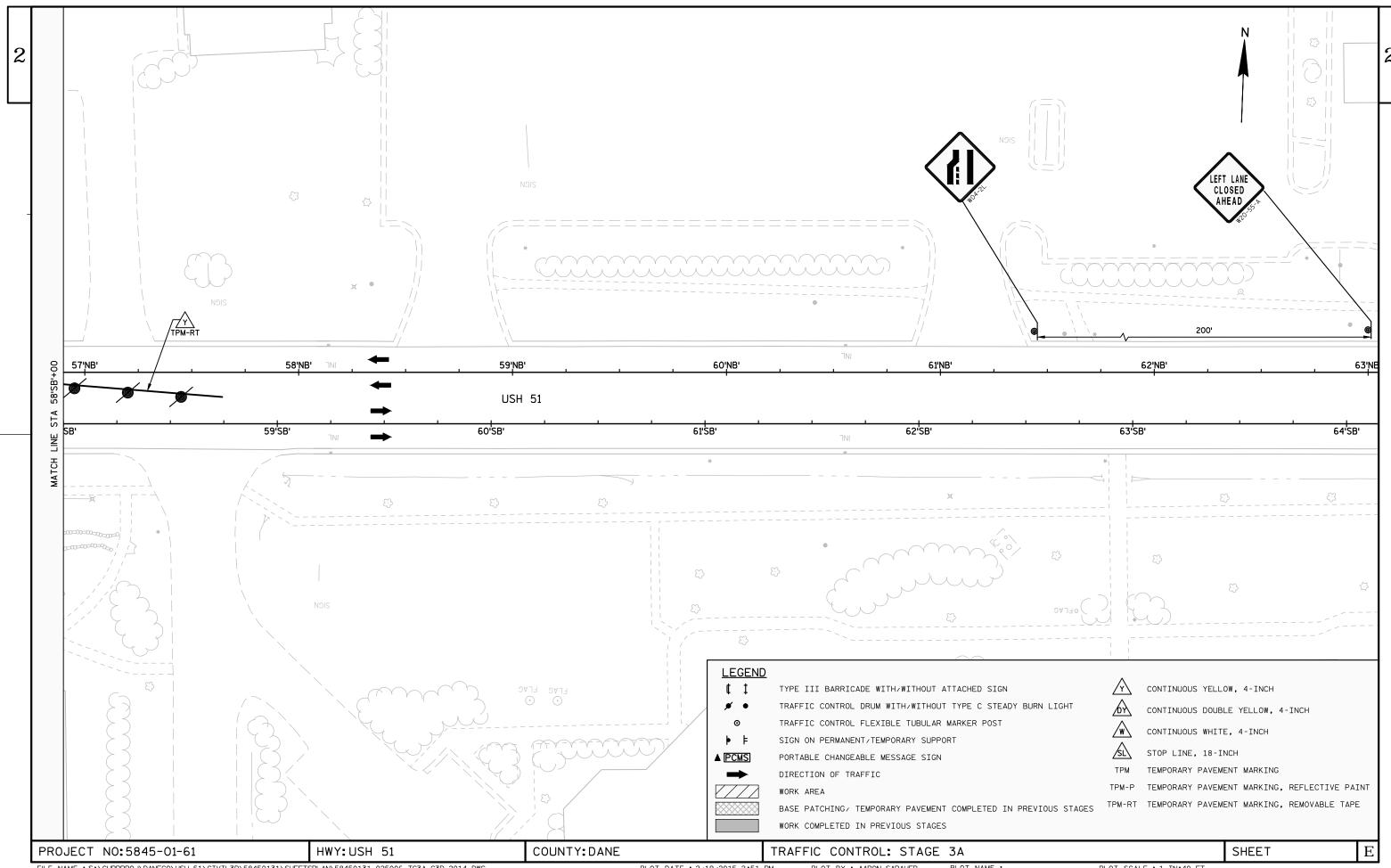
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PLOT DATE: 2/19/2015 2:51 PM

PLOT BY: AARON SARAUER

PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



FILE NAME: S:\CURRPROJ\DANECO\USH 51\CIVIL3D\58450131\SHEETSPLAN\58450131-025006\_TC3A\_C3D-2014.DWG LAYOUT NAME - 58450131-025006\_TC3A\_C3D-2014 - SHEET - 08

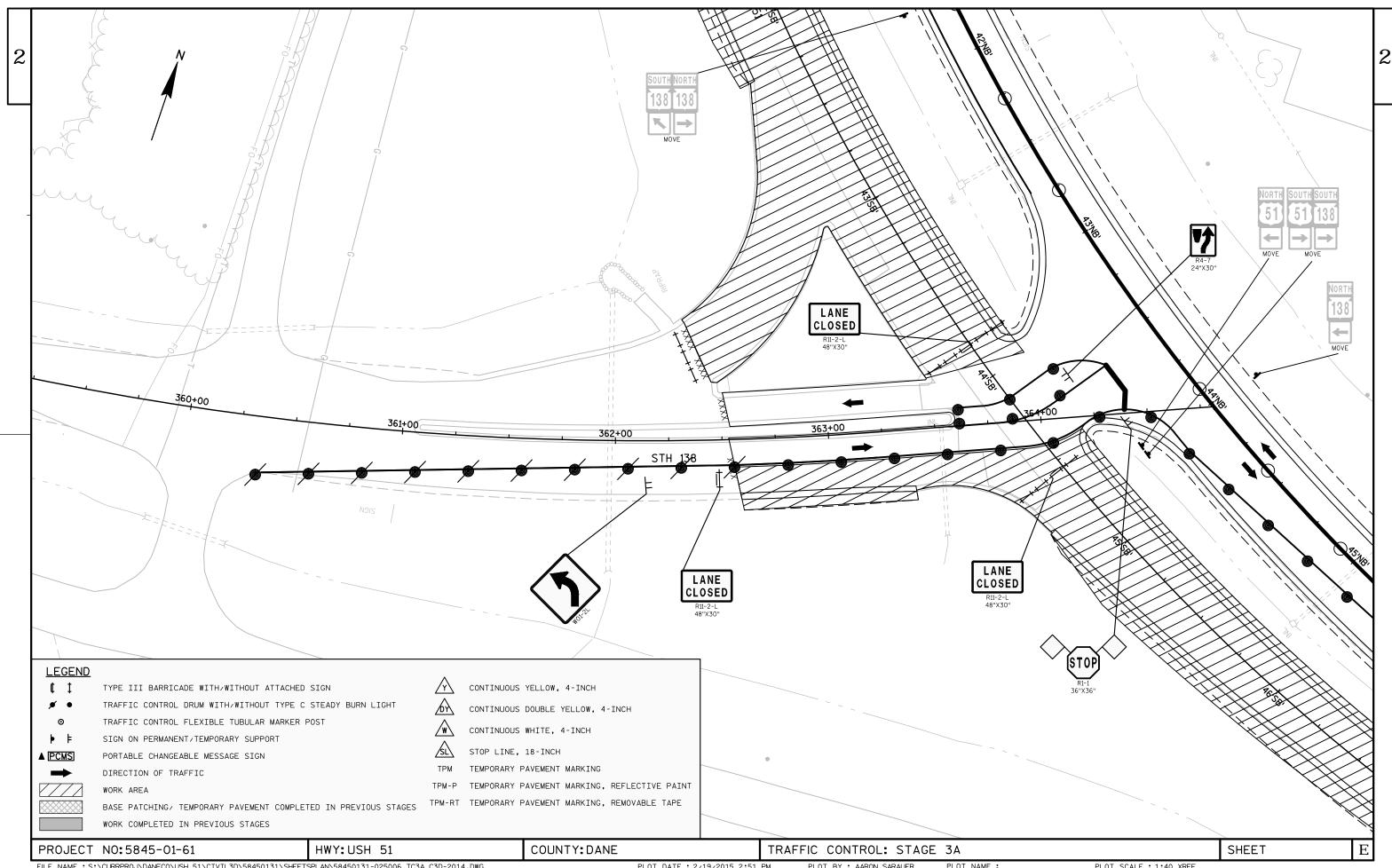
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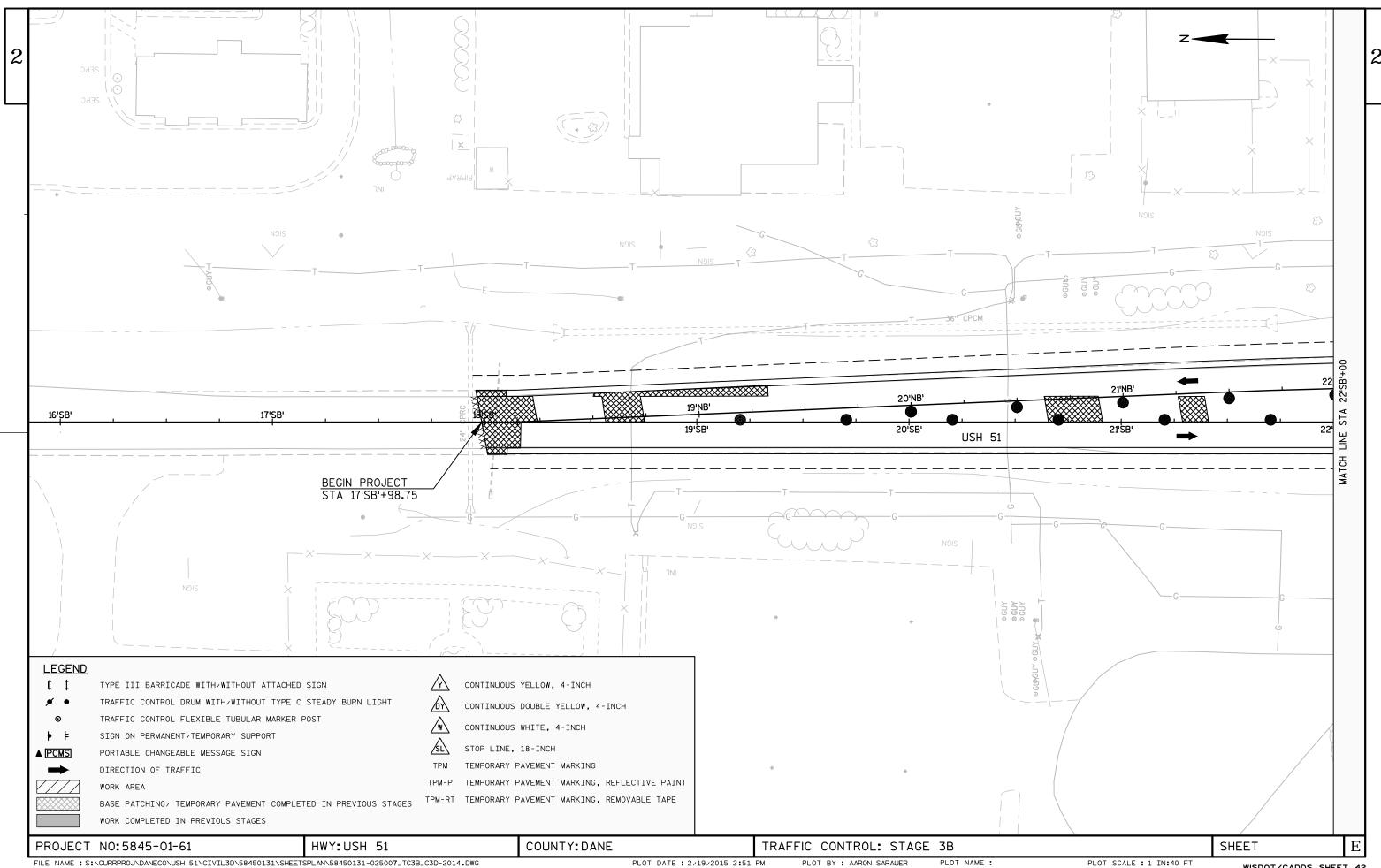
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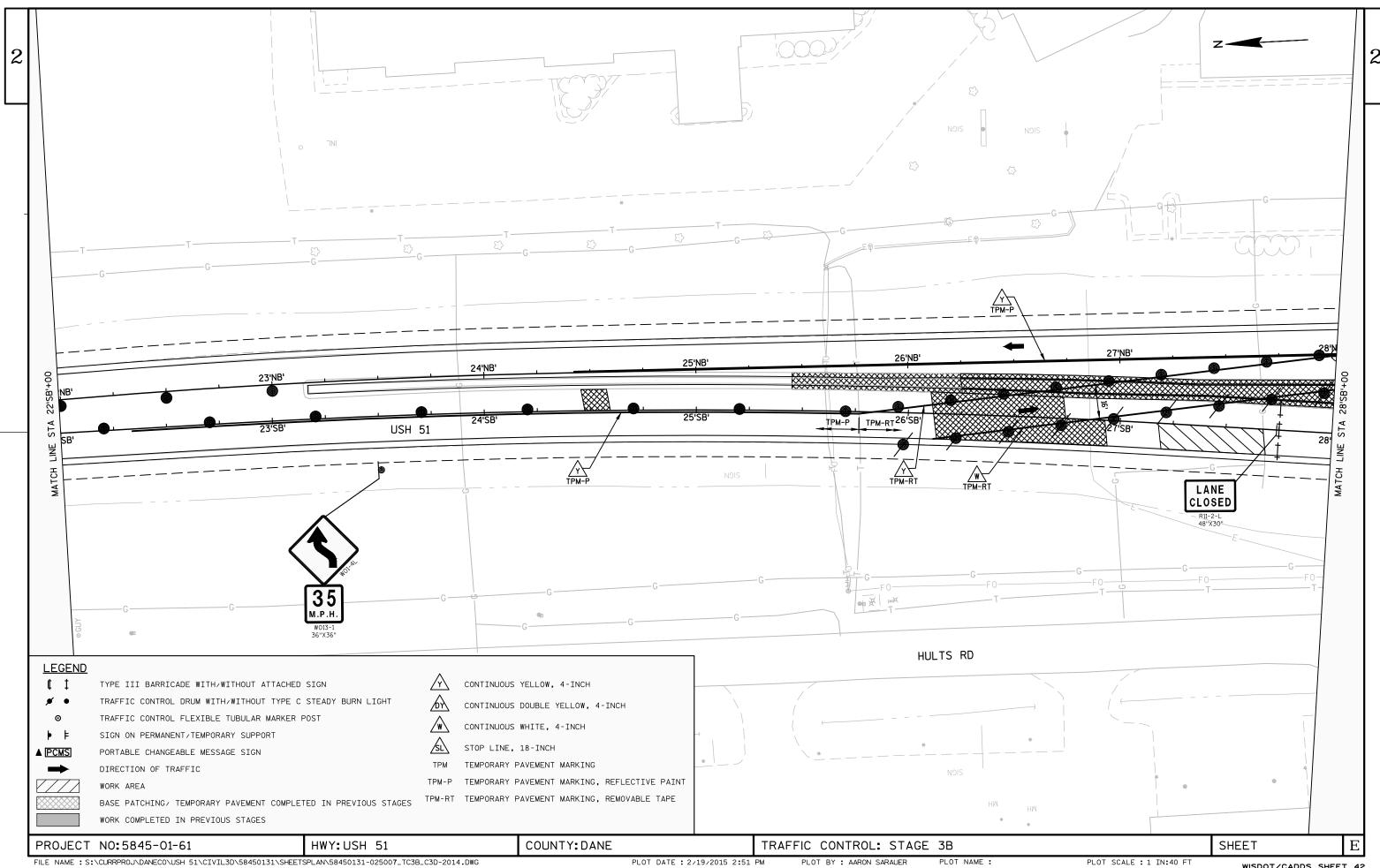
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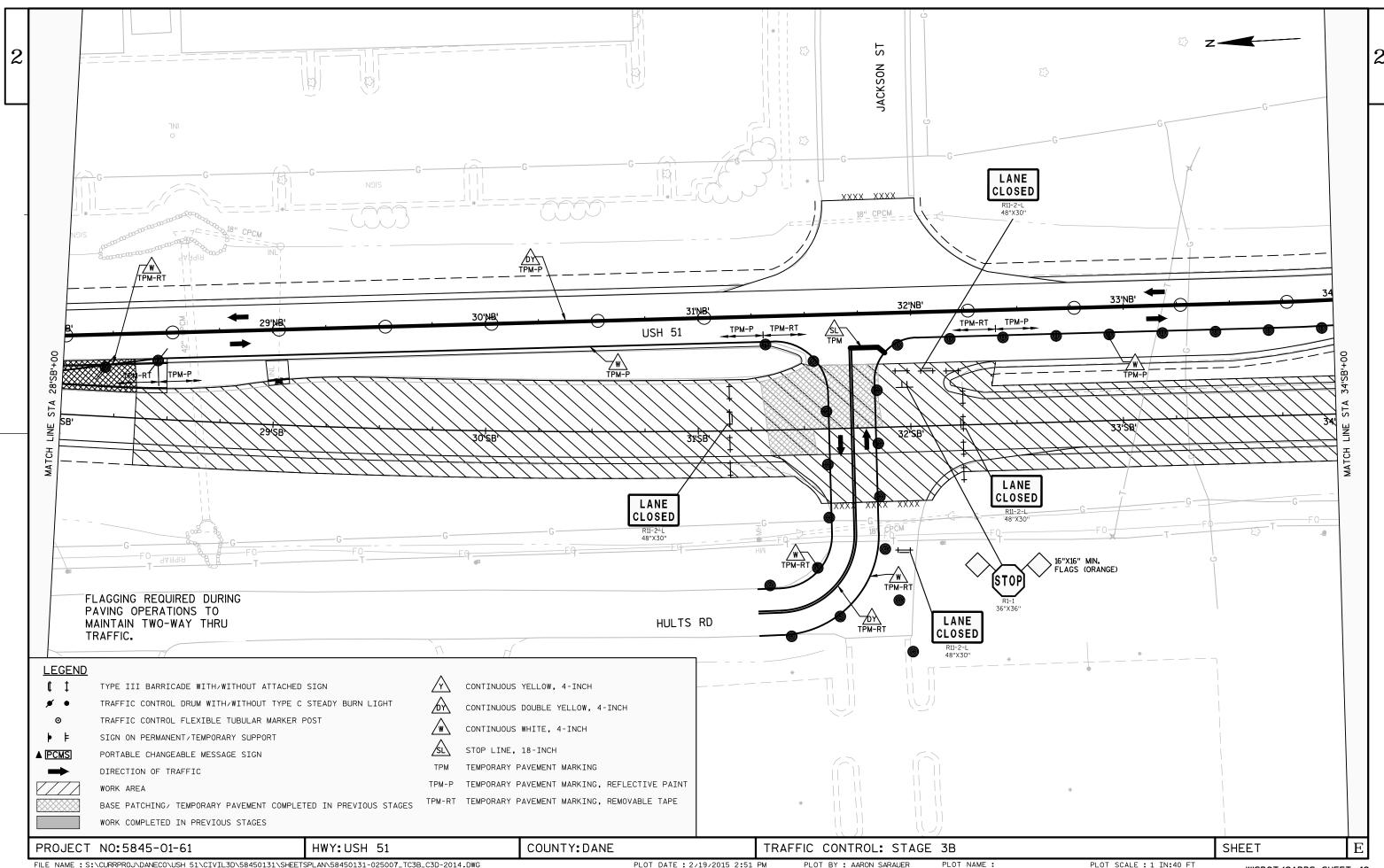
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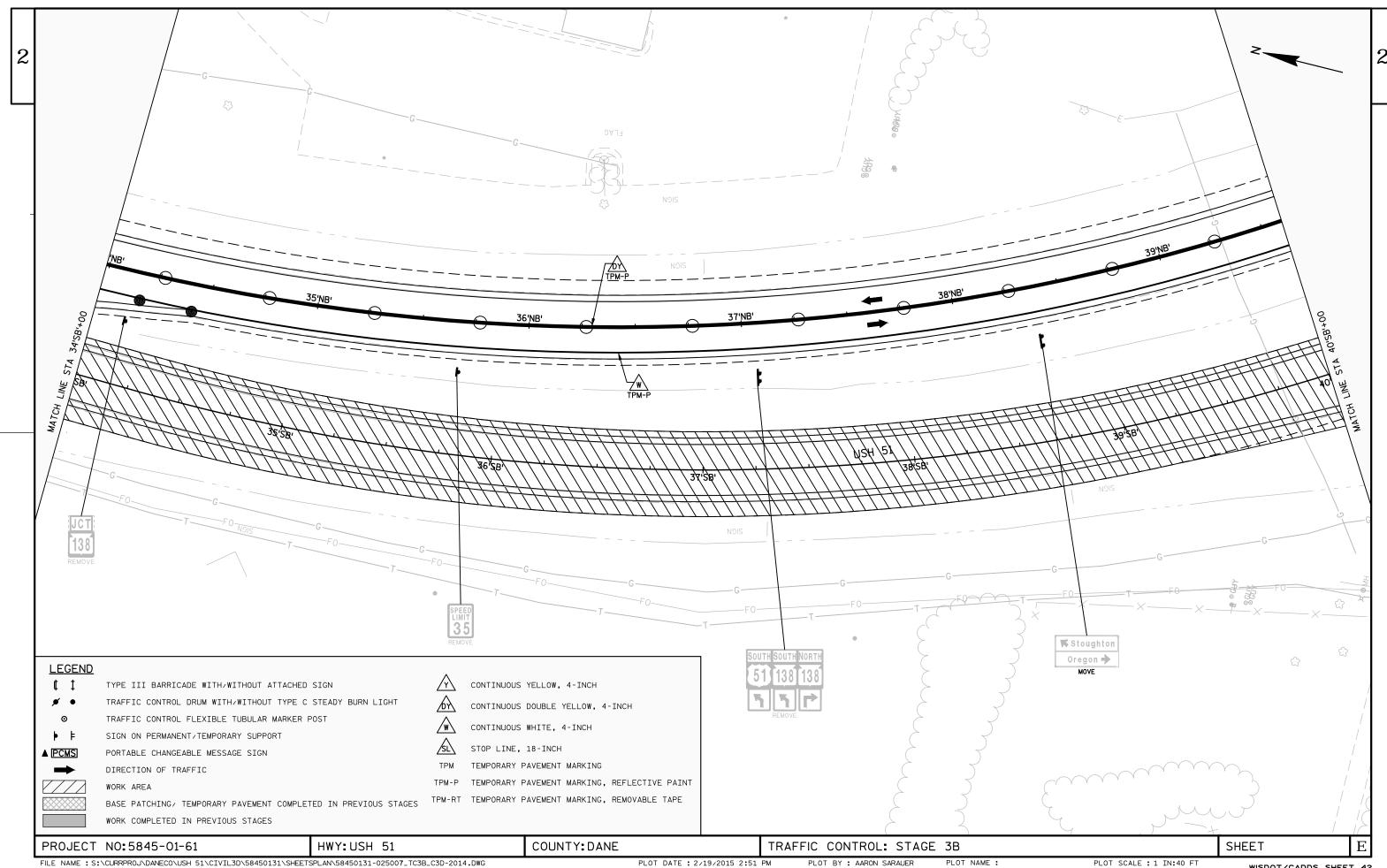
WISDOT/CADDS SHEET 42

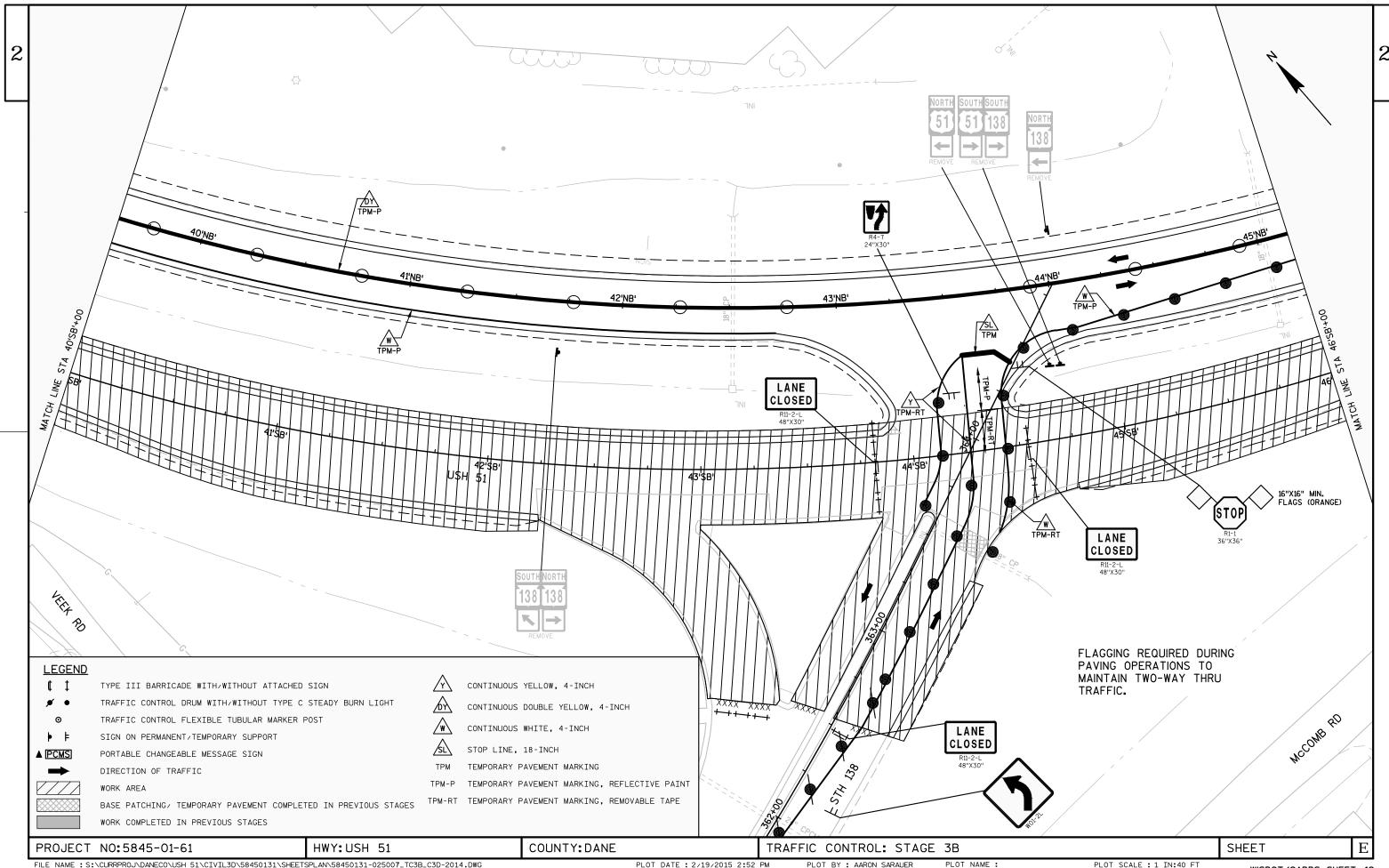


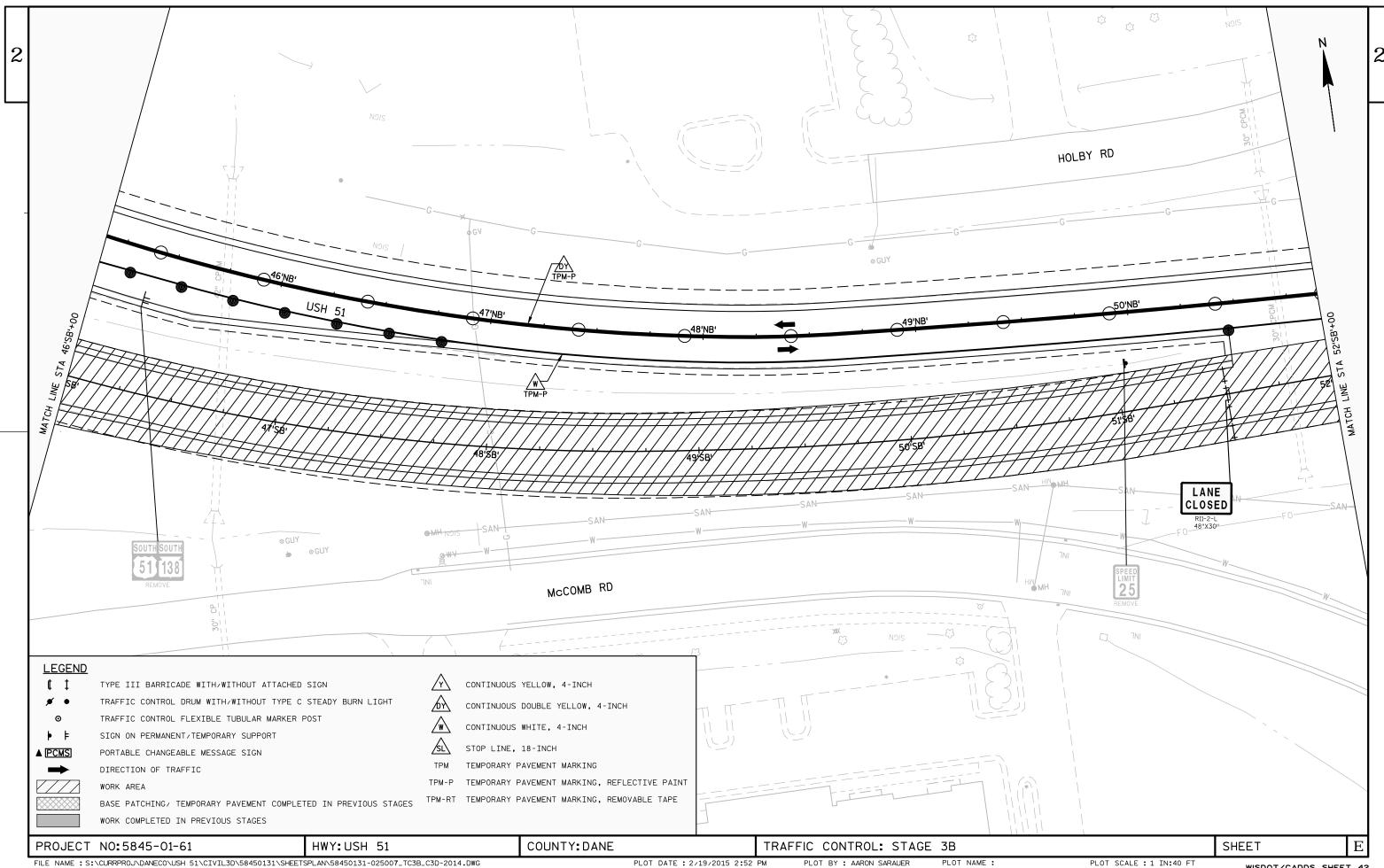


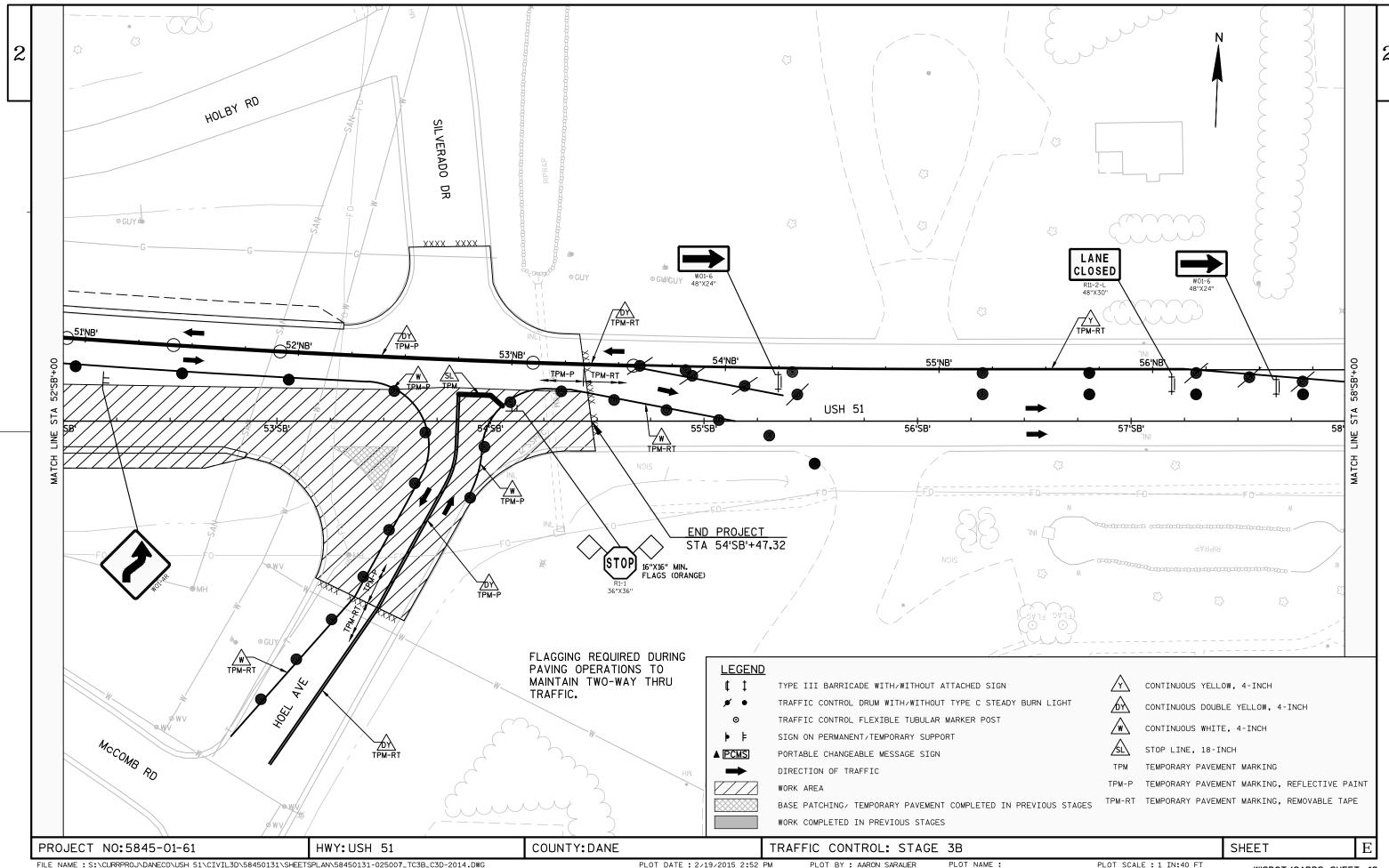












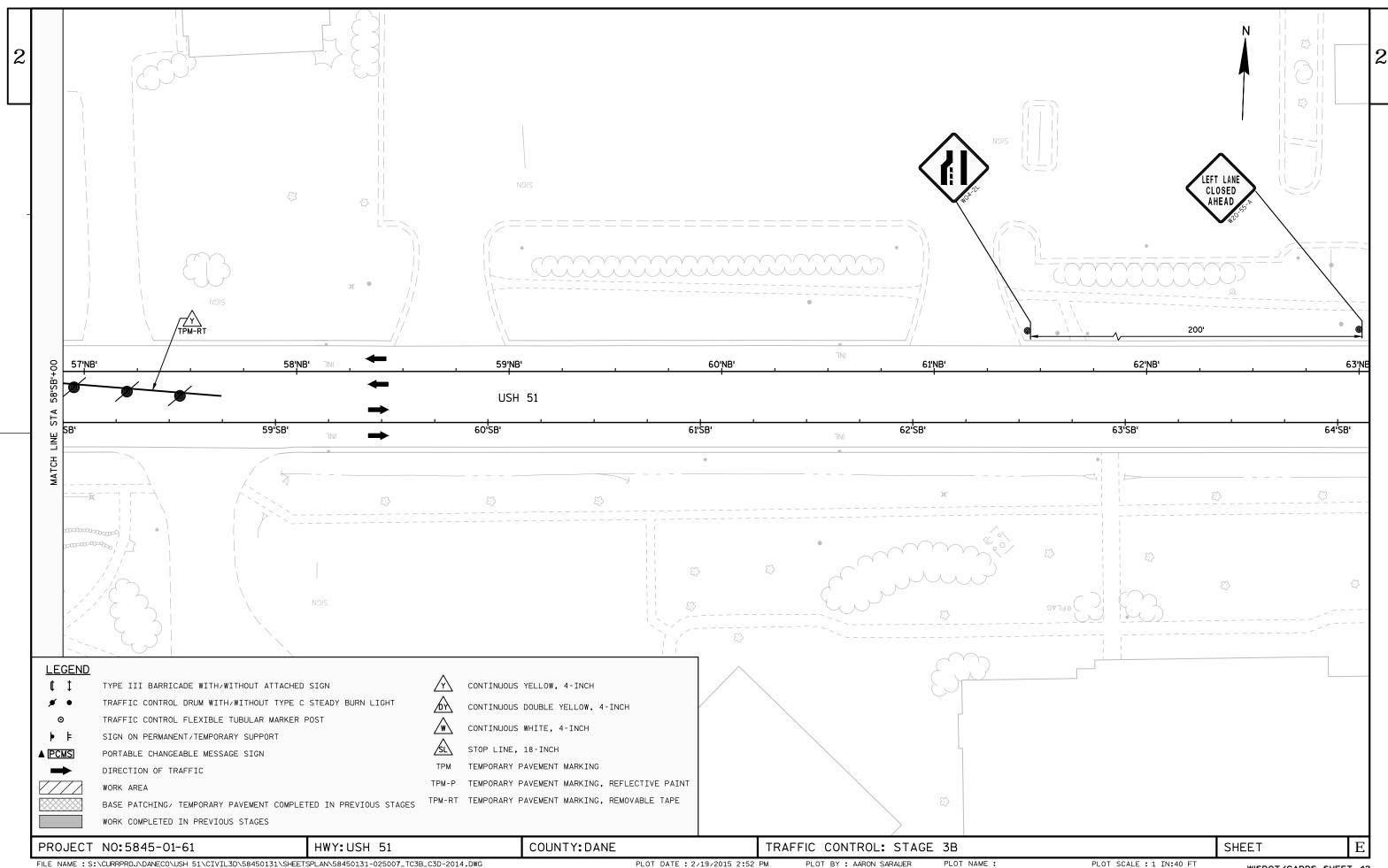
FILE NAME: S:\CURRPROJ\DANECO\USH 51\CIVIL3D\58450131\SHEETSPLAN\58450131-025007\_TC3B\_C3D-2014.DWG LAYOUT NAME - 58450131-025007\_TC3B\_C3D-2014 - SHEET - 07

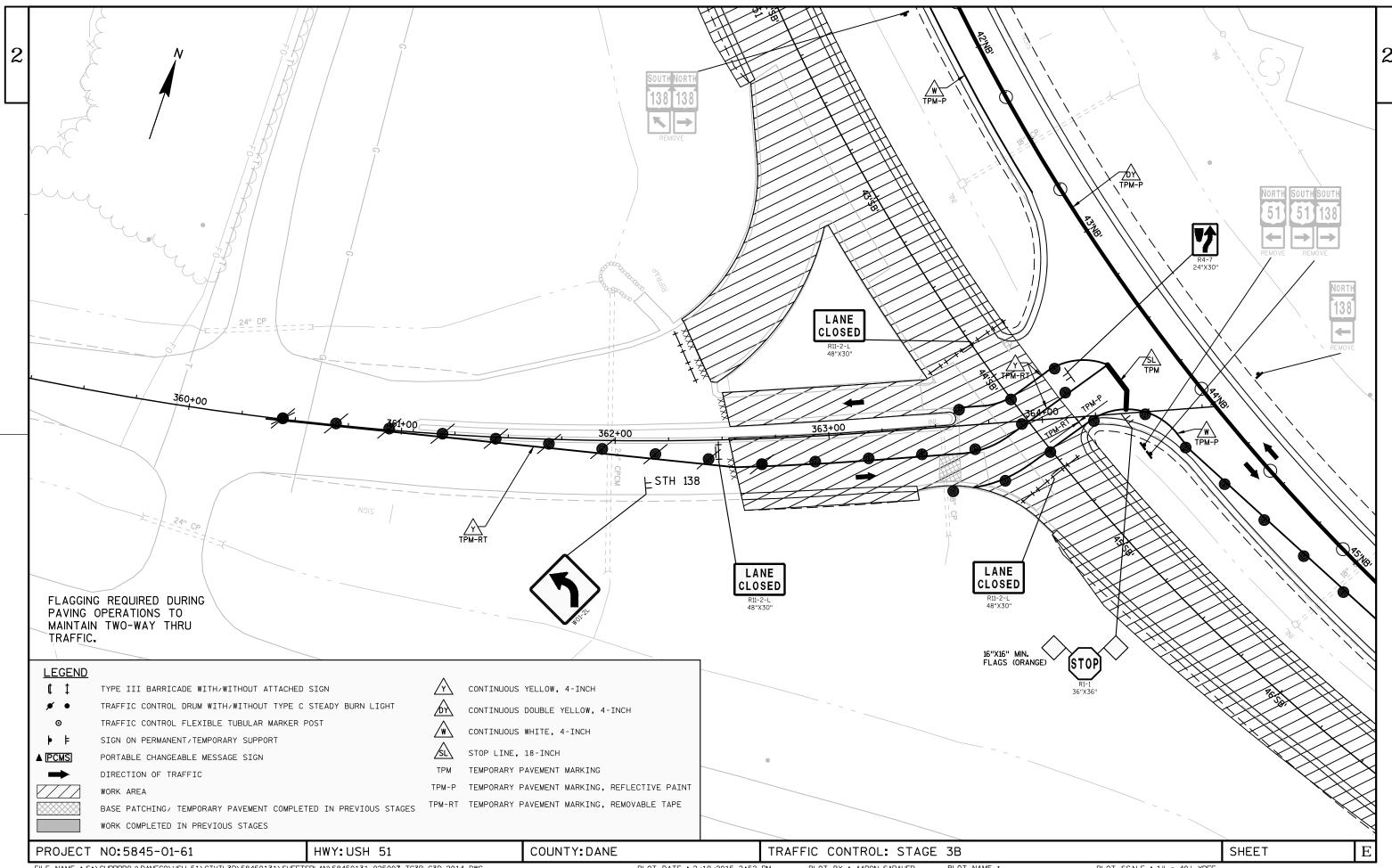
PLOT DATE: 2/19/2015 2:52 PM

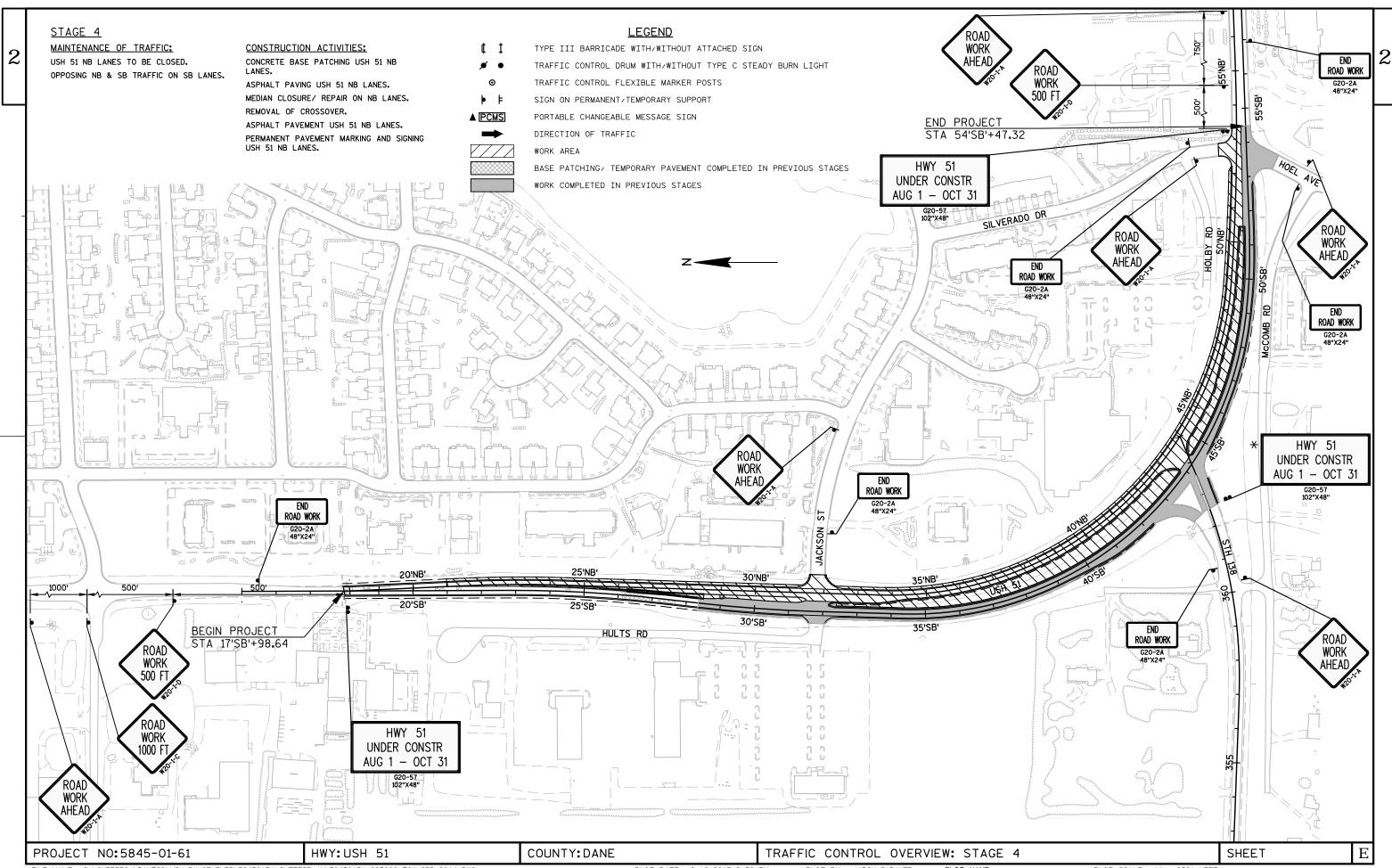
PLOT BY: AARON SARAUER

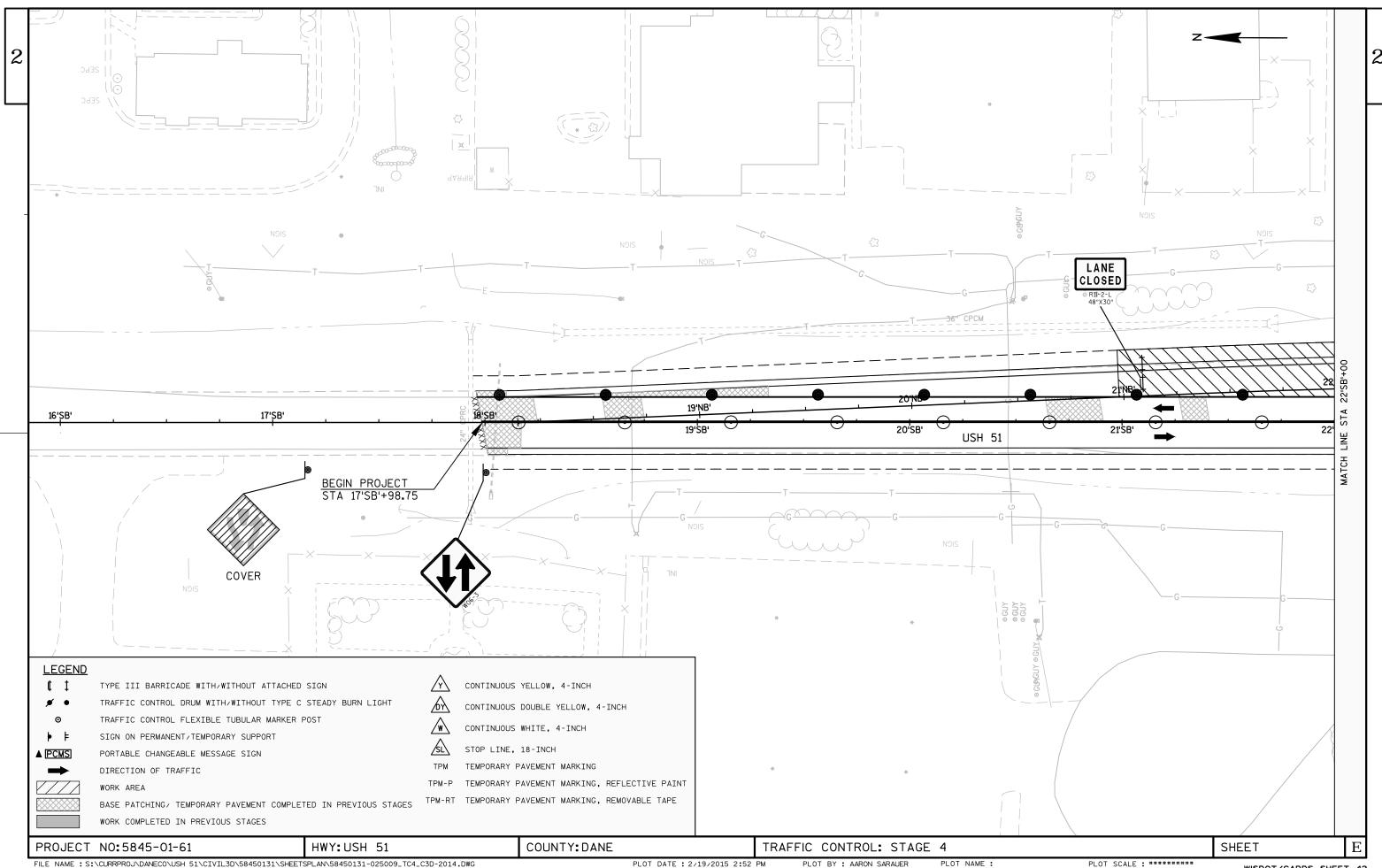
PLOT SCALE : 1 IN:40 FT

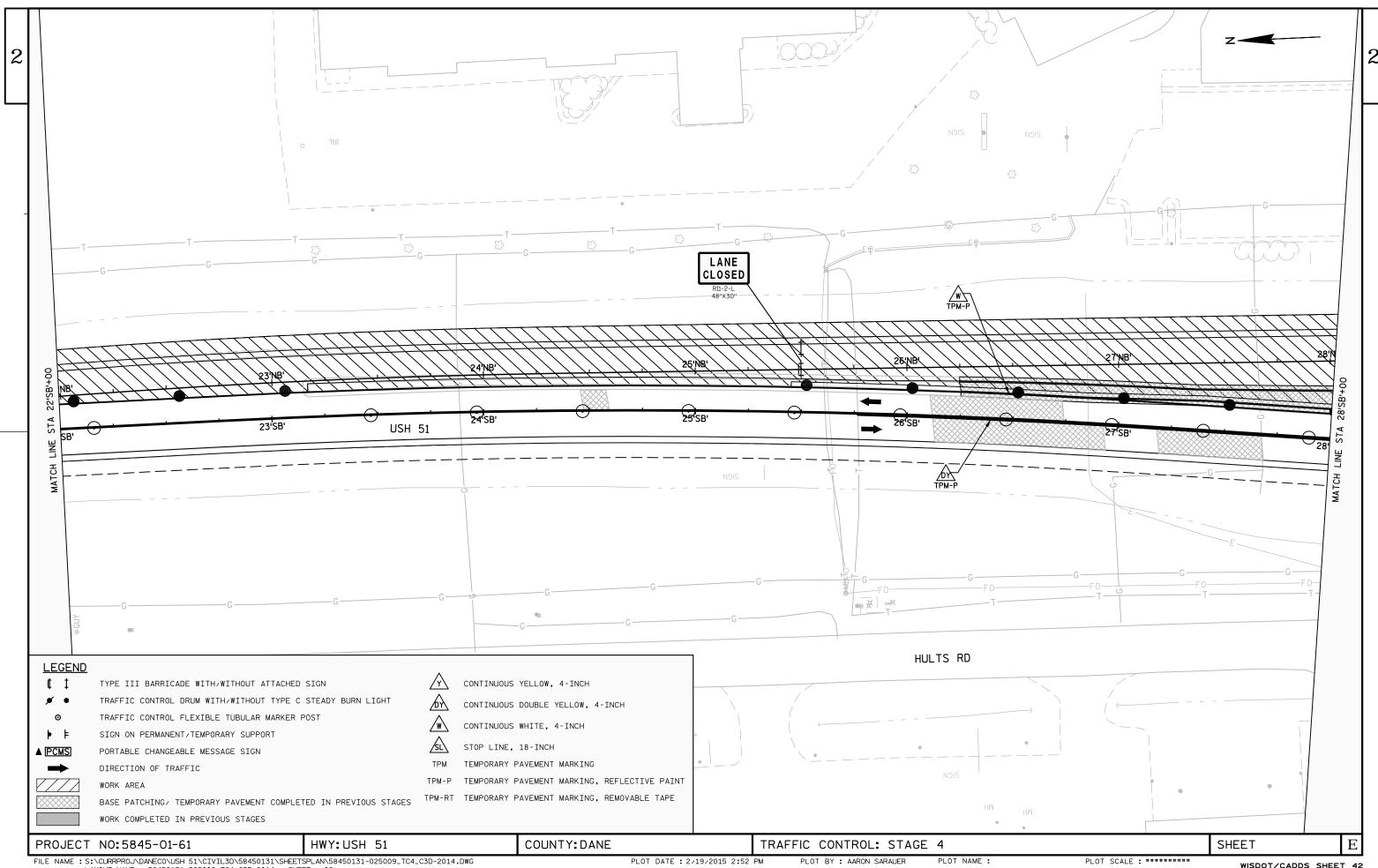
WISDOT/CADDS SHEET 42

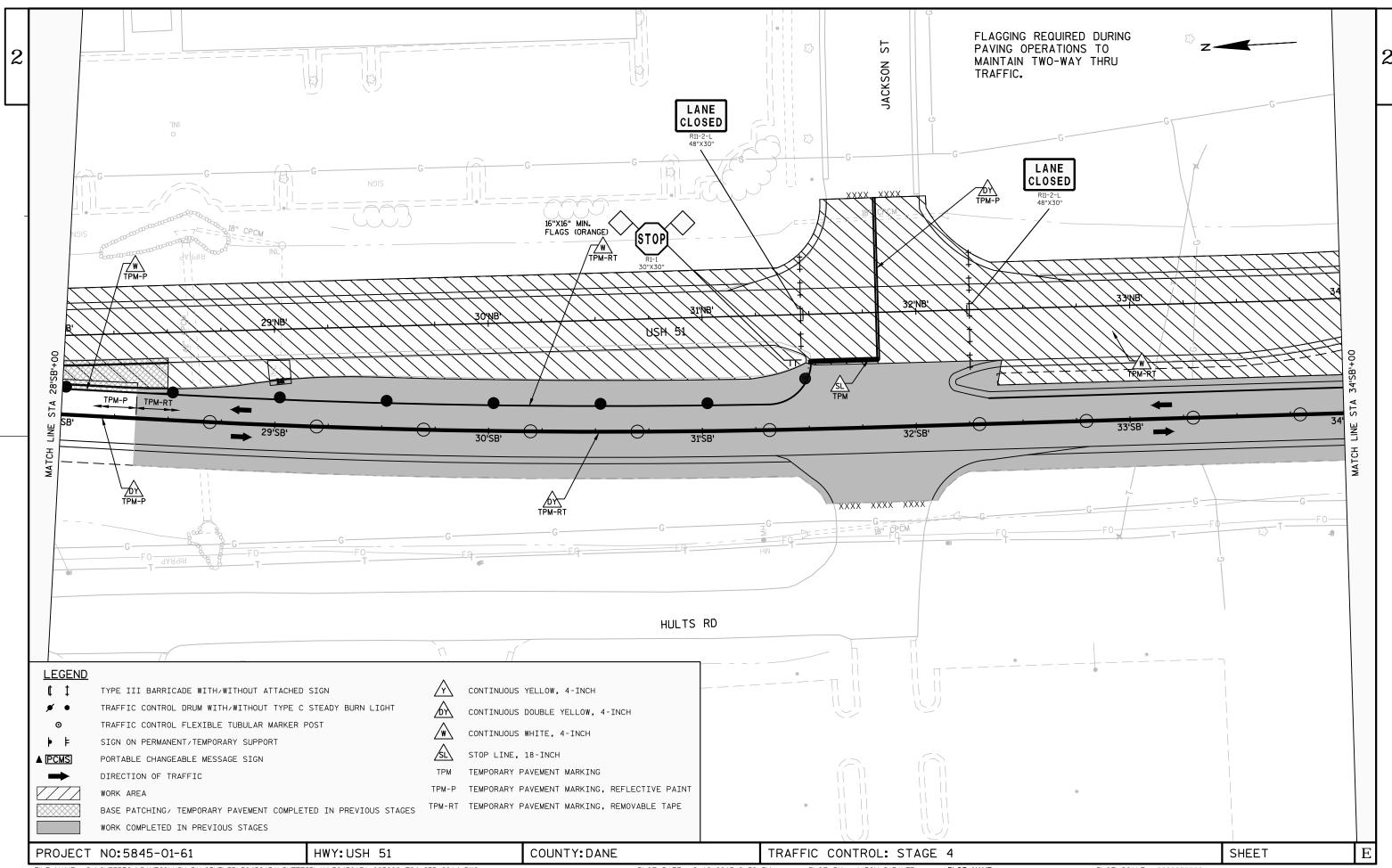


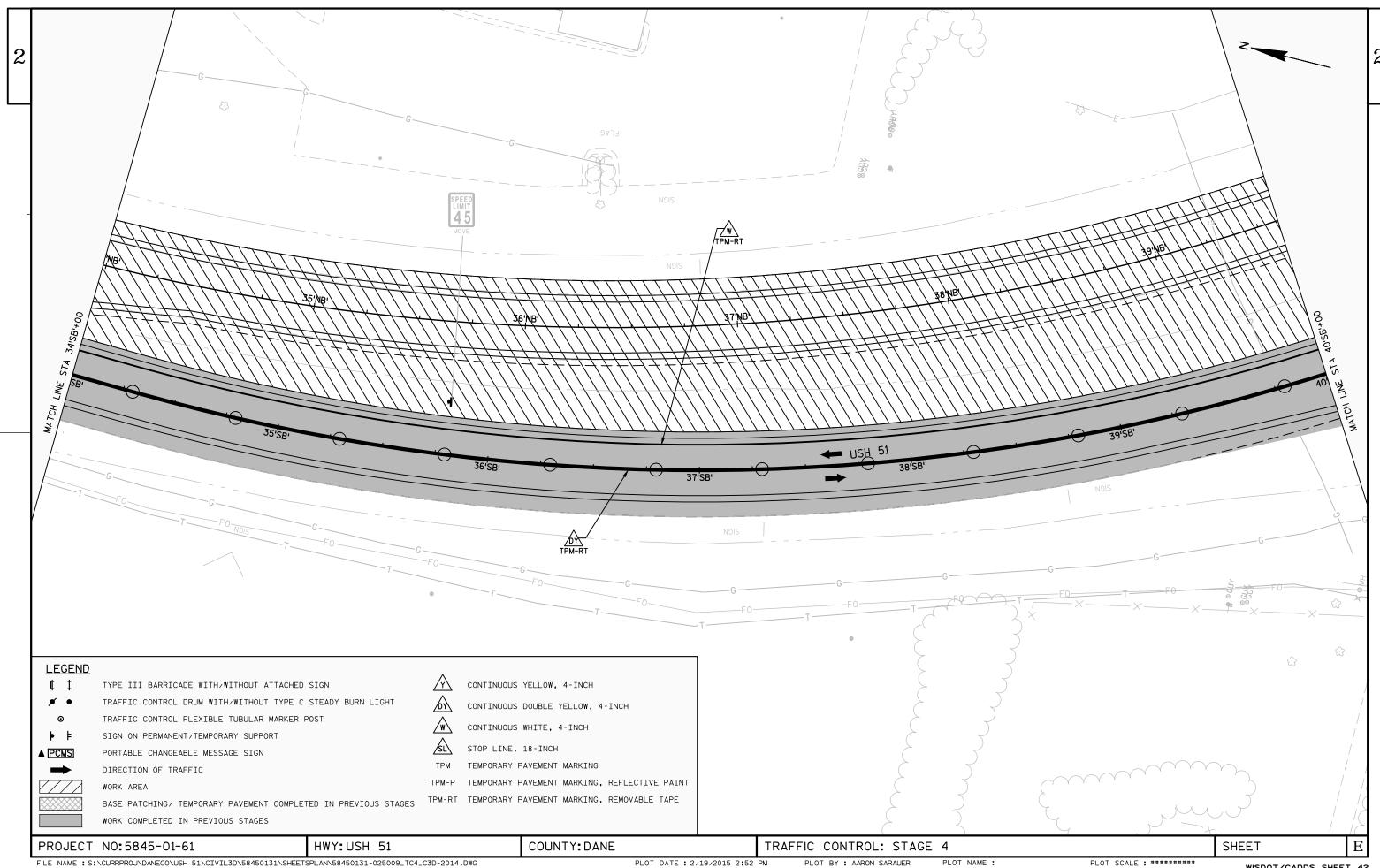


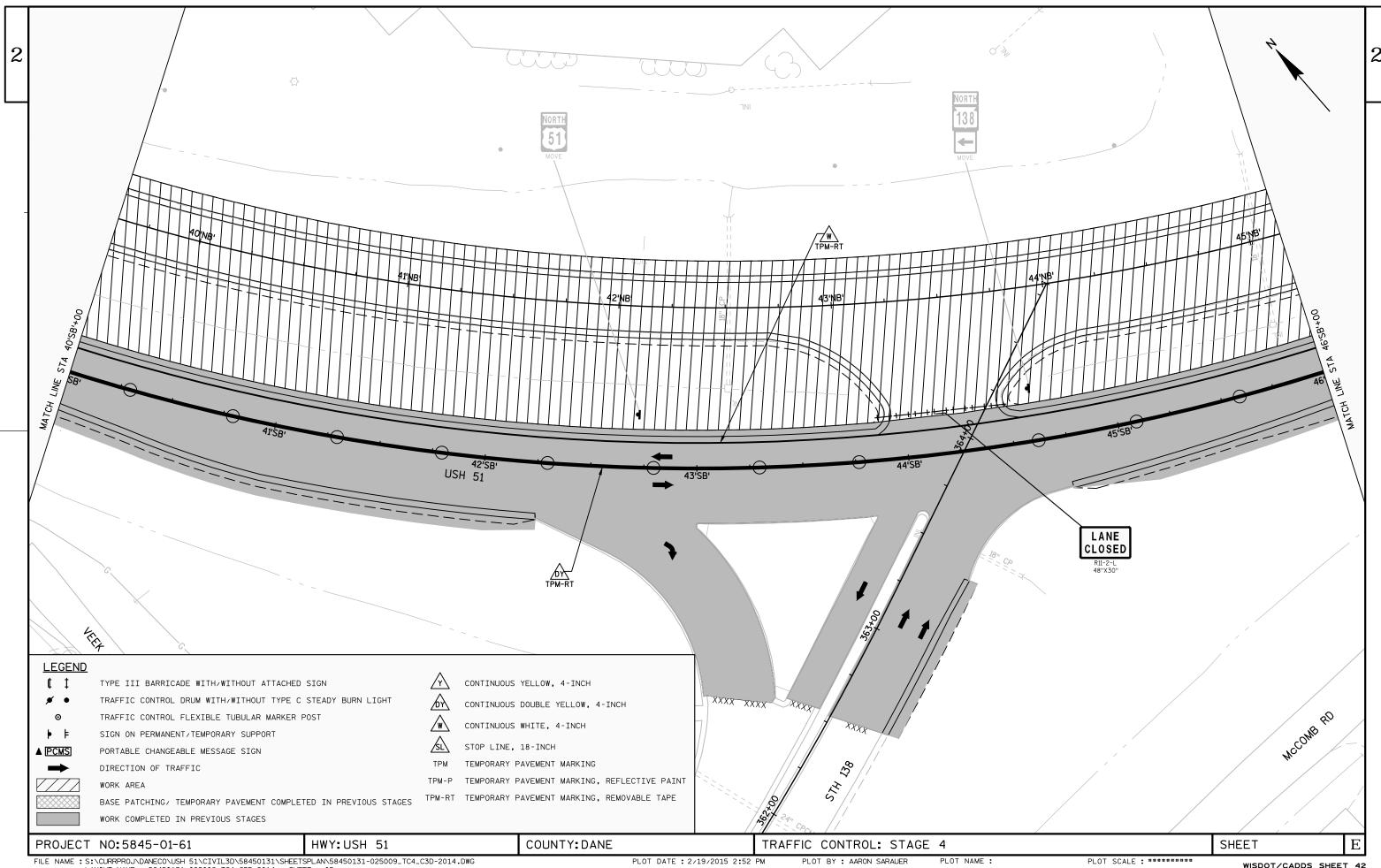


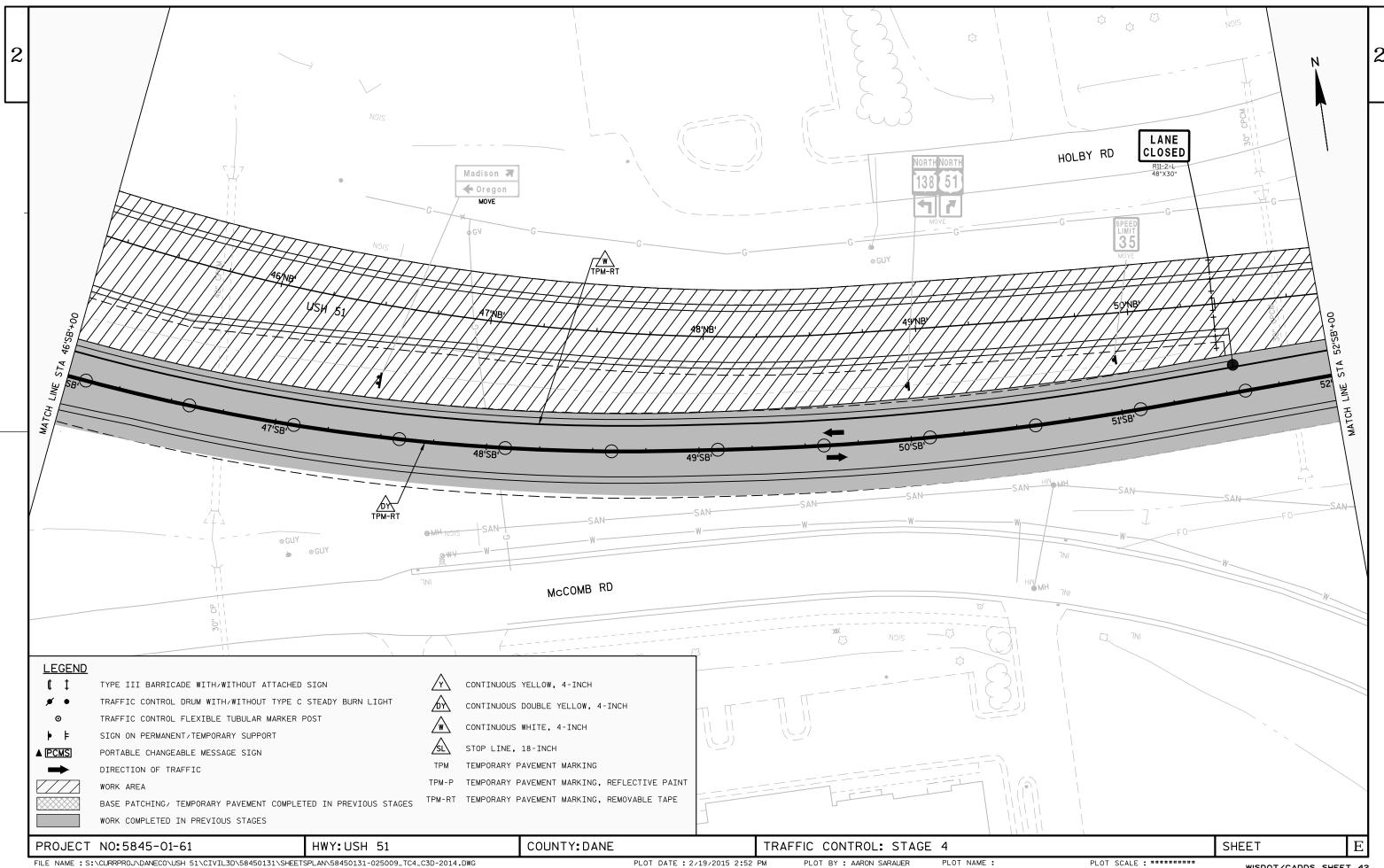


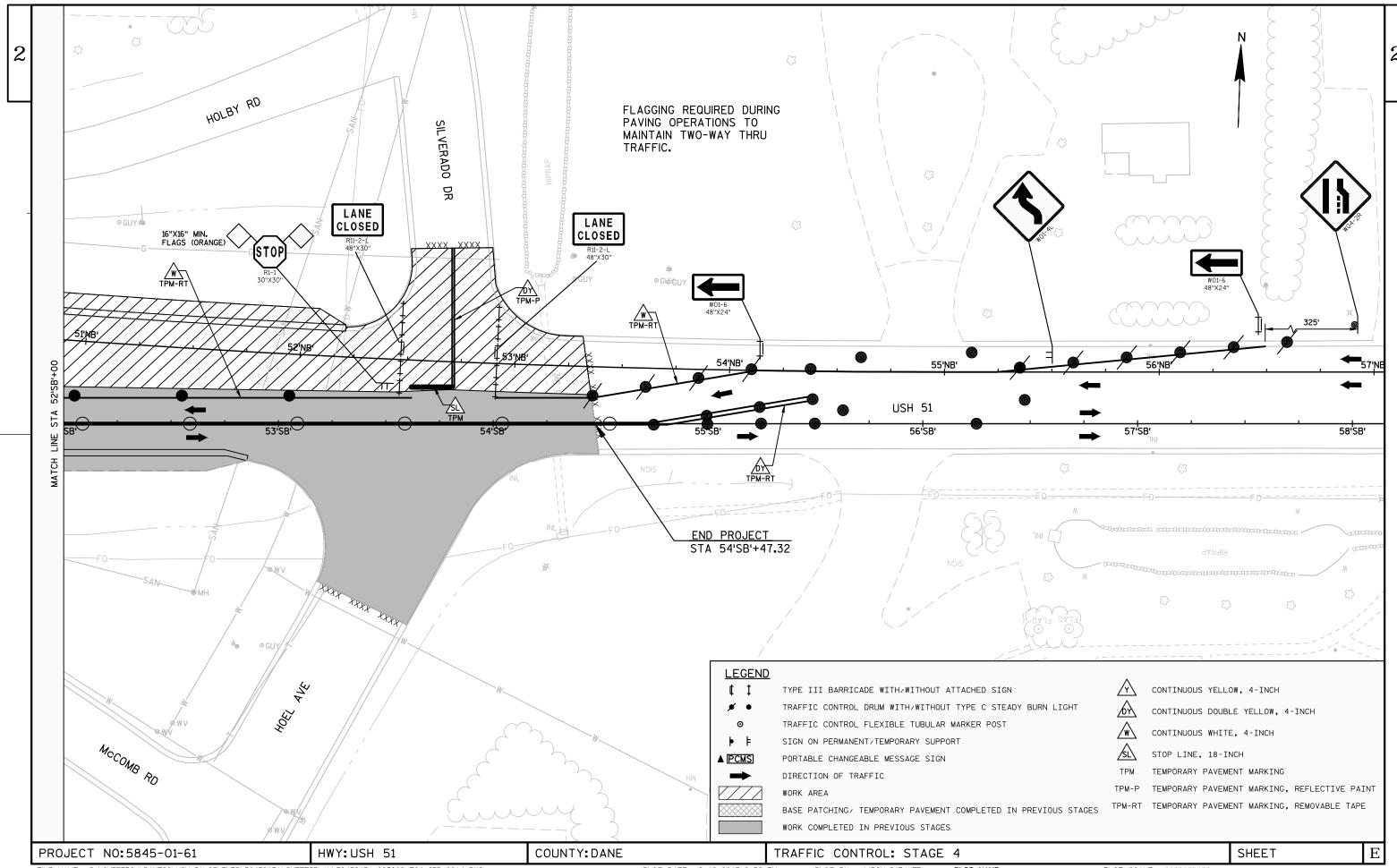


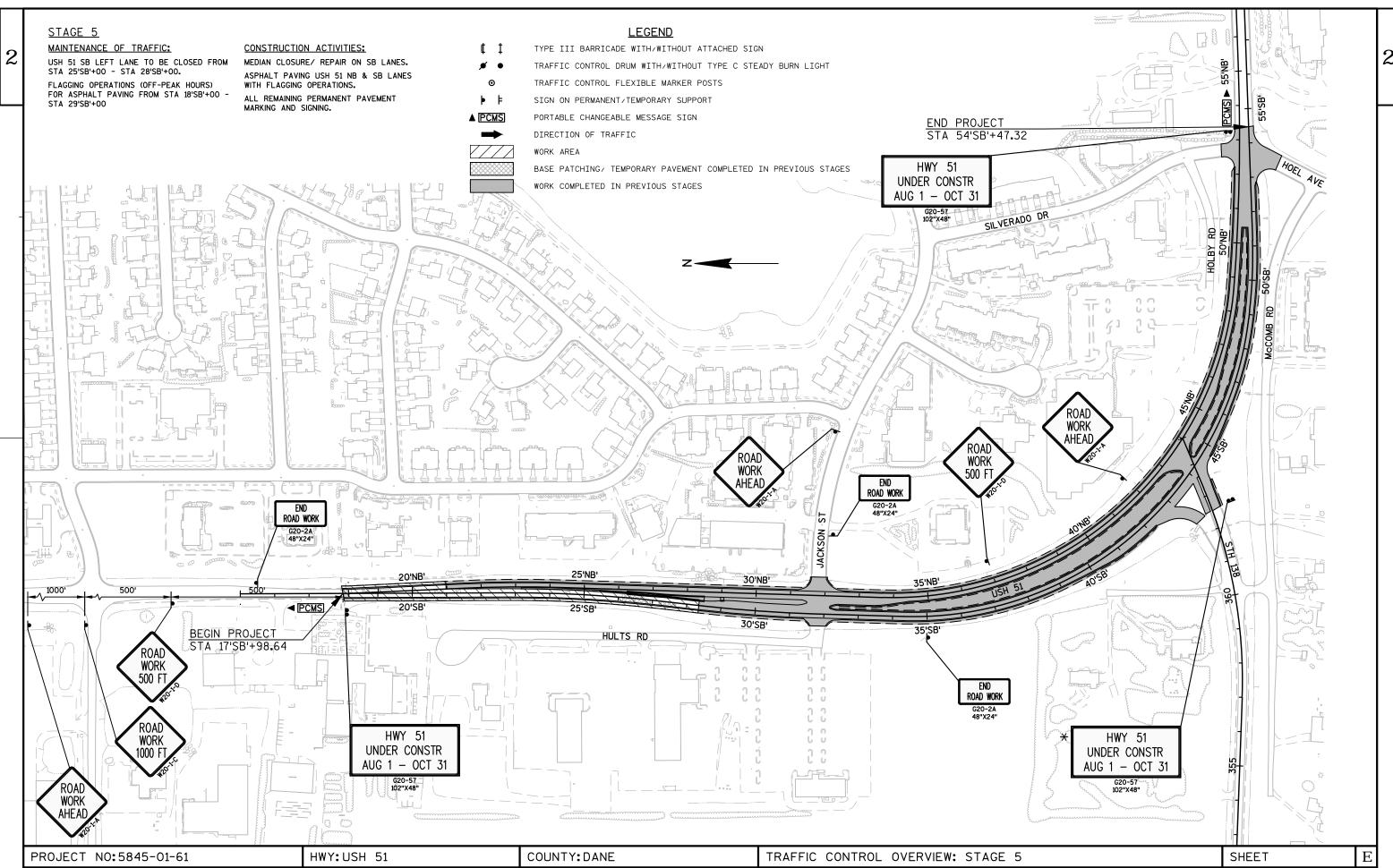


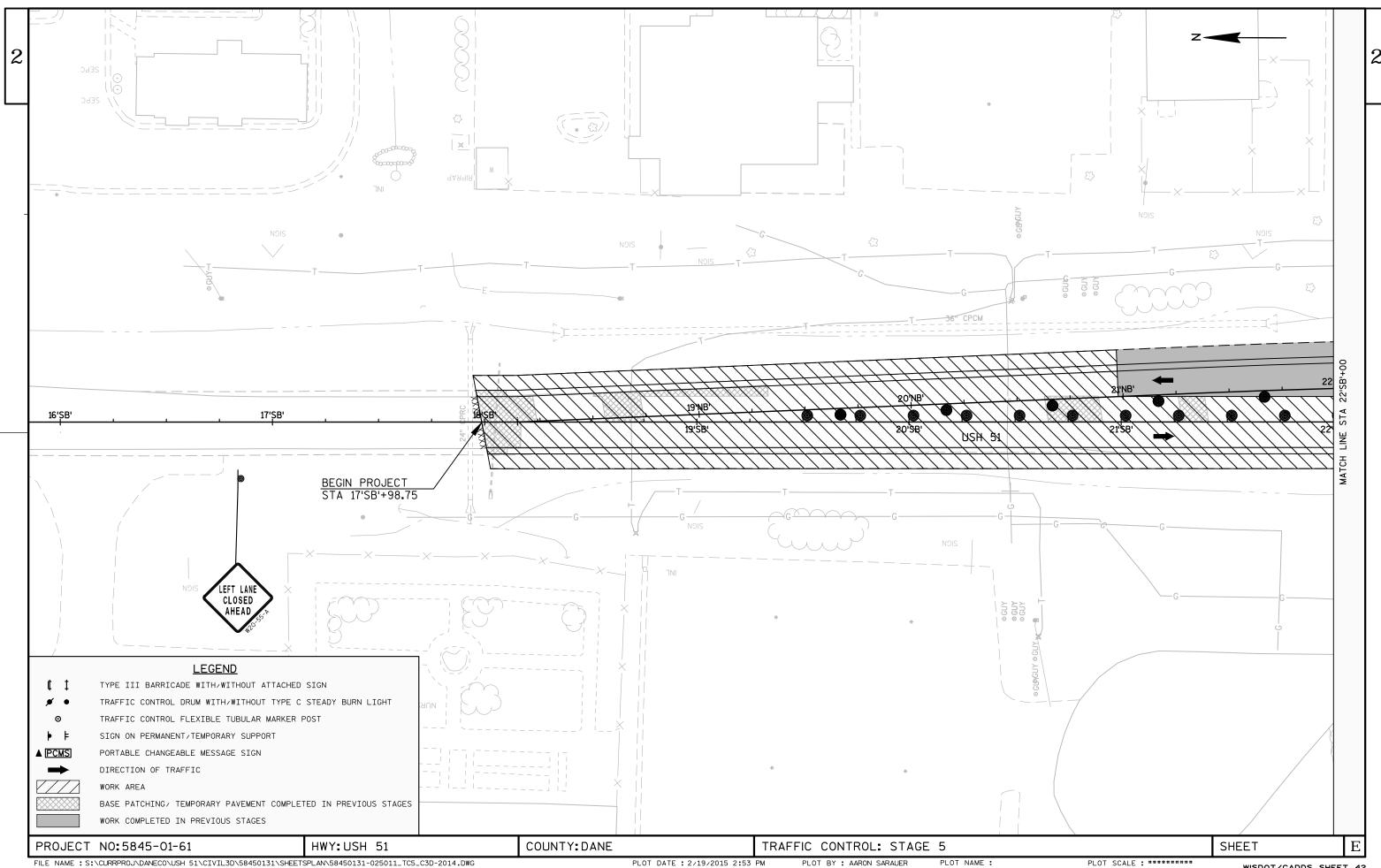


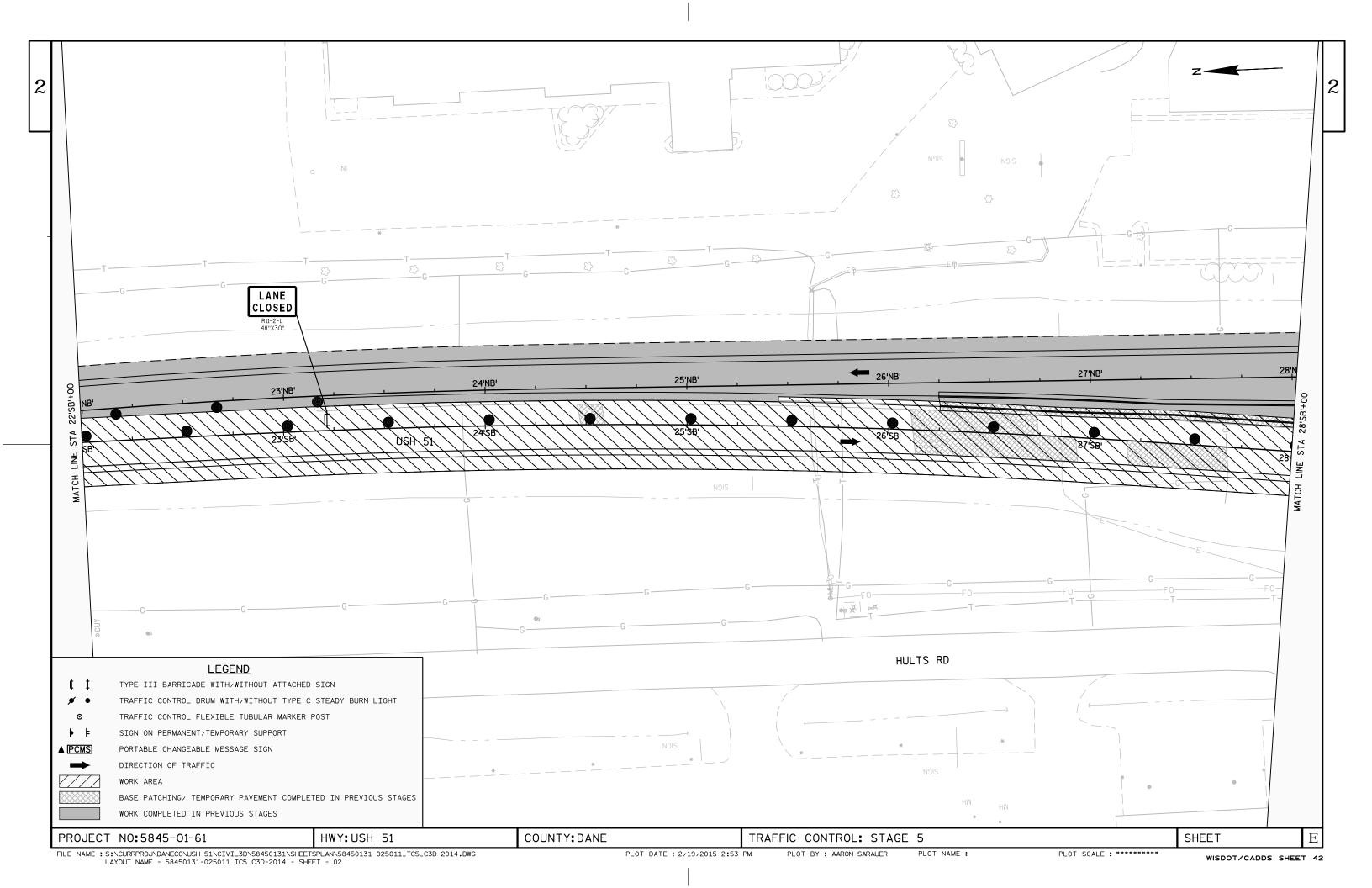


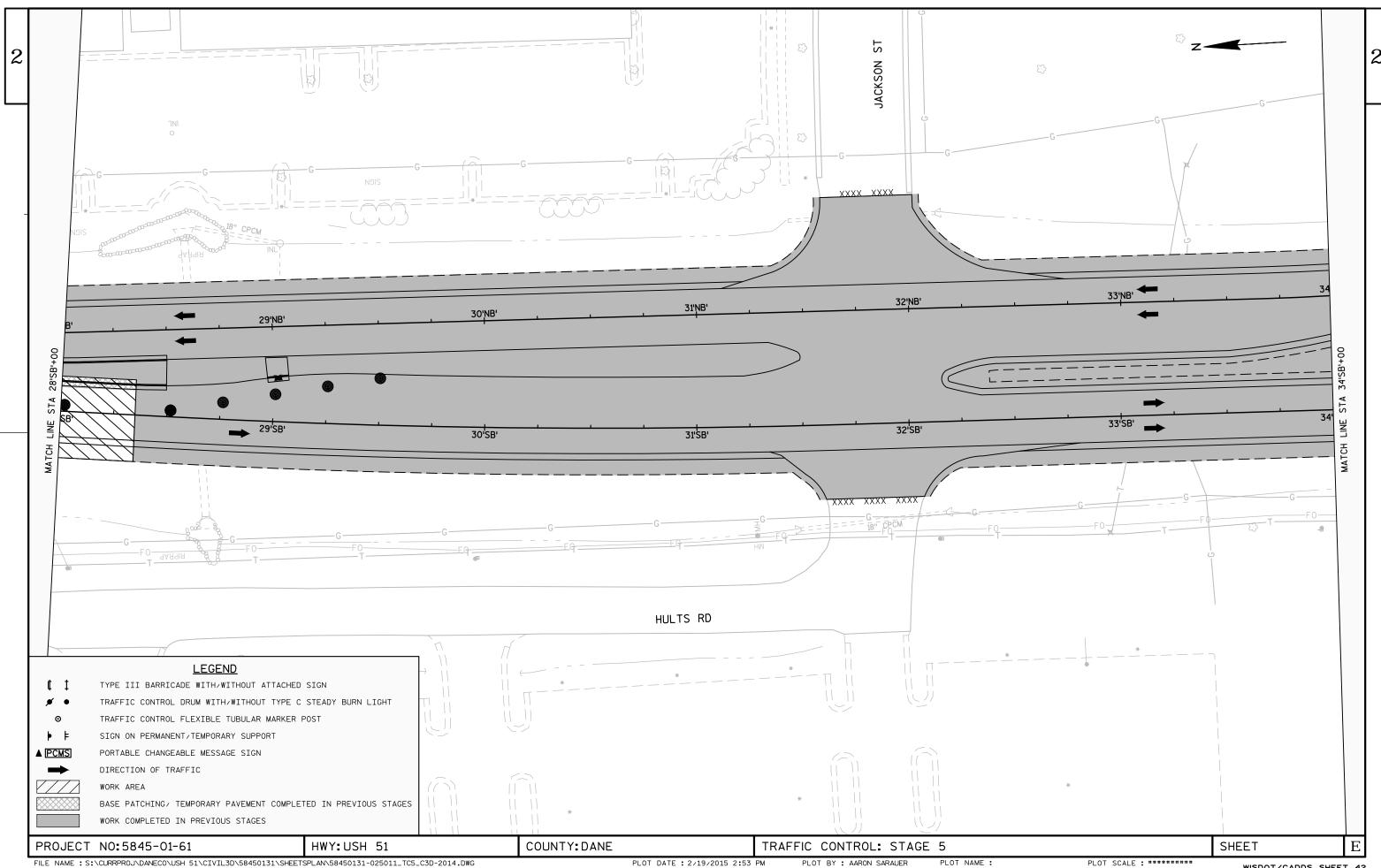


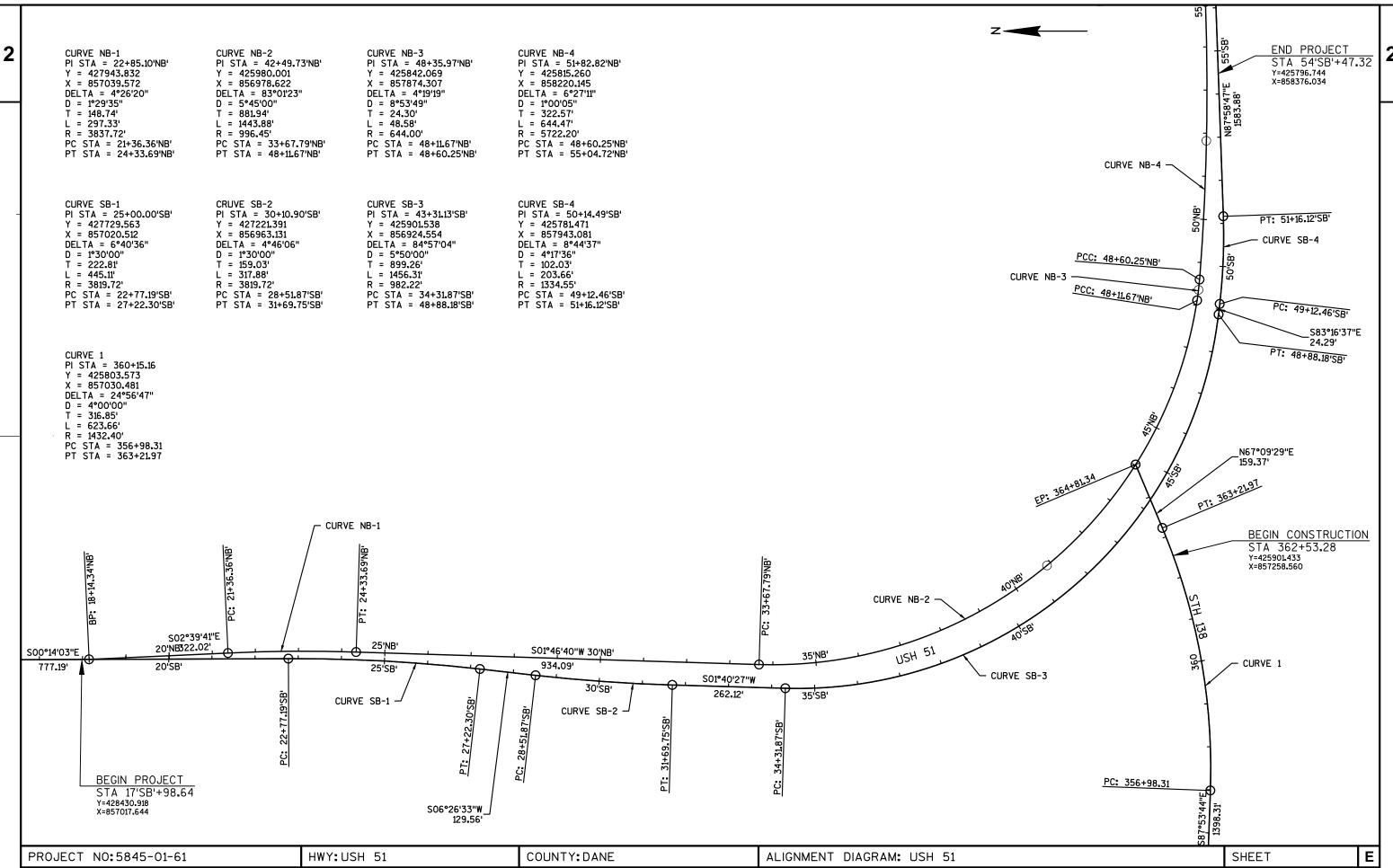












DATE 02	2MAR15	E S T	IMAT	E O F Q U A N	
LI NE NUMBER 0010 0020 0030 0040 0050	I TEM 204. 0105 204. 0115 204. 0150 204. 0220 213. 0100	ITEM DESCRIPTION Removing Pavement Butt Joints Removing Asphaltic Surface Butt Joints Removing Curb & Gutter Removing Inlets Finishing Roadway (project) 01. 5845-01-61	UNI T SY SY LF EACH EACH	TOTAL 780.000 280.000 460.000 1.000	5845-01-61 QUANTI TY 780. 000 280. 000 460. 000 1. 000 1. 000
0060	305. 0110	Base Aggregate Dense 3/4-Inch	TON	1, 600. 000	1, 600. 000
0070	305. 0120	Base Aggregate Dense 1 1/4-Inch	TON	70. 000	70. 000
0080	390. 0203	Base Patching Asphaltic	SY	365. 000	365. 000
0090	390. 0303	Base Patching Concrete	SY	1, 830. 000	1, 830. 000
0100	416. 0610	Drilled Tie Bars	EACH	384. 000	384. 000
0110	416. 0620	Drilled Dowel Bars	EACH	378.000	378.000
0120	455. 0120	Asphaltic Material PG64-28	TON	250.000	250.000
0130	455. 0605	Tack Coat	GAL	4,550.000	4,550.000
0140	460. 1103	HMA Pavement Type E-3	TON	4,580.000	4,580.000
0150	460. 2000	Incentive Density HMA Pavement	DOL	2,940.000	2,940.000
0160 0170 0180 0190	460. 4000 465. 0105 465. 0125 601. 0574 611. 3230	HMA Cold Weather Paving Asphaltic Surface Asphaltic Surface Temporary Concrete Curb & Gutter 4-Inch Sloped 30-Inch Type G Inlets 2x3-FT	TON TON TON LF	480. 000 22. 000 75. 000 460. 000	480. 000 22. 000 75. 000 460. 000
0210	611. 9710	Salvaged Inlet Covers Mobilization Mobilizations Erosion Control Mobilizations Emergency Erosion Control Inlet Protection Type A	EACH	1.000	1.000
0220	619. 1000		EACH	1.000	1.000
0230	628. 1905		EACH	4.000	4.000
0240	628. 1910		EACH	2.000	2.000
0250	628. 7005		EACH	3.000	3.000
0260	628. 7015	Inlet Protection Type C Posts Wood 4x6-Inch X 14-FT Posts Wood 4x6-Inch X 16-FT Posts Wood 4x6-Inch X 18-FT Signs Type II Reflective H	EACH	6. 000	6. 000
0270	634. 0614		EACH	14. 000	14. 000
0280	634. 0616		EACH	34. 000	34. 000
0290	634. 0618		EACH	10. 000	10. 000
0300	637. 2210		SF	588. 960	588. 960
0310	637. 2230	Signs Type II Reflective F	SF	67. 500	67. 500
0320	638. 2102	Moving Signs Type II	EACH	16. 000	16. 000
0330	638. 2602	Removing Signs Type II	EACH	45. 000	45. 000
0340	638. 3000	Removing Small Sign Supports	EACH	49. 000	49. 000
0350	638. 4000	Moving Small Sign Supports	EACH	20. 000	20. 000
0360 0370 0380 0390 0400	642. 5001 643. 0100 643. 0300 643. 0420 643. 0500	Field Office Type B Traffic Control (project) 01. 5845-01-61 Traffic Control Drums Traffic Control Barricades Type III Traffic Control Flexible Tubular Marker Posts	EACH EACH DAY DAY EACH	1.000 1.000 6,518.000 1,694.000 122.000	1.000 1.000 6,518.000 1,694.000 122.000
0410	643. 0600	Traffic Control Flexible Tubular Marker	EACH	122. 000	122. 000
0420	643. 0705	Bases Traffic Control Warning Lights Type A Traffic Control Warning Lights Type C Traffic Control Signs Traffic Control Covering Signs Type II	DAY	2, 323.000	2, 323. 000
0430	643. 0715		DAY	1, 168.000	1, 168. 000
0440	643. 0900		DAY	1, 889.000	1, 889. 000
0450	643. 0920		EACH	1.000	1. 000
0460	643. 1000	Traffic Control Signs Fixed Message	SF	102.000	102.000
0470	643. 1050	Traffic Control Signs PCMS	DAY	28.000	28.000
0480	646. 0106	Pavement Marking Epoxy 4-Inch	LF	15,850.000	15,850.000
0490	646. 0126	Pavement Marking Epoxy 8-Inch	LF	2,100.000	2,100.000
0500	646. 0406	Pavement Marking Same Day Epoxy 4-Inch	LF	1,590.000	1,590.000

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DATE 02 LINE	MAR15	EST	IMAT	E OF QUAN	T I T I E S 5845-01-61	
NUMBER	ITEM	ITEM DESCRIPTION	UNI T	TOTAL	QUANTI TY	
0510	646. 0600	Removing Pavement Markings	LF	1, 010. 000	1, 010. 000	
0520	647. 0156	Pavement Marking Arrows Epoxy Type 1	EACH	8. 000	8. 000	
0530	647. 0166	Pavement Marking Arrows Epoxy Type 2	EACH	16. 000	16. 000	
0540	647. 0176	Pavement Marking Arrows Epoxy Type 3	EACH	3. 000	3. 000	
0550	647. 0206	Pavement Marking Arrows Bike Lane Epoxy	EACH	3. 000	3. 000	
0560	647. 0306	Pavement Marking Symbols Bike Lane Epoxy	EACH	3.000	3.000	
0570	647. 0356	Pavement Marking Words Epoxy	EACH	8.000	8. 000	
0580	647. 0566	Pavement Marking Stop Line Epoxy 18-Inch	LF	185. 000	185. 000	
0590	647. 0606	Pavement Marking Island Nose Epoxy	EACH	2. 000	2. 000	
0600	647. 0716	Pavement Marking Diagonal Epoxy 8-Inch	LF	350. 000	350. 000	
0/10	(47.072/	Devemont Marking Diagraph Frank 12 Lack		2/0.000	2/0.000	
0610 0620	647. 0726 647. 0766	Pavement Marking Diagonal Epoxy 12-Inch	LF LF	360. 000 540. 000	360. 000 540. 000	
0620	647. 0766	Pavement Marking Crosswalk Epoxy 6-Inch Removing Pavement Markings Arrows	EACH	2. 000	2. 000	
0640	647. 0965	Removing Pavement Markings Words	EACH	2. 000	2. 000	
0650	649. 0200	Temporary Pavement Marking Reflective	LF	12, 550. 000	12, 550. 000	
0030	047.0200	Paint 4-Inch	Li	12, 330. 000	12, 330. 000	
0660	649. 0400	Temporary Pavement Marking Removable	LF	14, 200. 000	14, 200. 000	
		Tape 4-Inch				
0670	649. 1100	Temporary Pavement Marking Stop Line	LF	135.000	135.000	
		18-I nch				
0680	649. 1200	Temporary Pavement Marking Stop Line	LF	115. 000	115. 000	
0.4.00	(50 4000	Removable Tape 18-Inch	E4011	4 000	4 065	
0690	650. 4000	Construction Staking Storm Sewer	EACH	1.000	1.000	
0700	650. 8000	Construction Staking Resurfacing	LF	3, 788. 000	3, 788. 000	
		Reference				
0710	650. 9910	Construction Staking Supplemental	LS	1. 000	1. 000	
3710	550. 7710	Control (project) 01. 5845-01-61		1. 000	1.000	
0720	690. 0150	Sawing Asphal t	LF	130.000	130.000	
0730	690. 0250	Sawing Concrete	LF	2,000.000	2, 000. 000	
0740	SPV. 0090	Special 01. Concrete Joint and Crack	LF	10, 500. 000	10, 500. 000	
		Cİ eani ng		•	•	
		-				

### BUTT JOINT ITEMS

		204.0105 REMOVING PAVEMENT BUTT JOINTS	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS
STATION - STATION	LOCATI ON	SY	SY
CATEGORY CODE 0010			
17' SB' +99 - 18' SB' ++49	LT & RT	134	20
31' SB' +60 - 32' SB' +06	RT		144
31' NB' +50 - 32' NB' +03	LT		108
362+32 - 362+63	LT	78	
362+53 - 362+74	LT	36	
362+53 - 362+74	RT	58	8

LT

108

88

278

TOTALS 780

- -

280

70

HWY: USH 51

53' SB' +18 - 53' SB' +60

52' NB' +49 - 52' NB' +88

54' SB' +02 - 54' SB' +47 LT & RT

## REMOVING CURB & GUTTER

		204. 0150	
STATION - STATION	LOCATI ON	LF	COMMENTS
CATEGORY CODE 0010			
26' SB+25 - 28' SB' +50	LT	225	REMOVE FOR CROSSOVER
26' NB+25 - 28' NB' +50	RT	225	REMOVE FOR CROSSOVER
28' SB' +97 - 29' SB' +07	LT	10	REMOVE FOR INLET REPLACEMENT

TOTAL 460

### REMOVING INLETS

		204.0220
STATI ON	LOCATI ON	EACH
CATEGORY CODE 0010		
29' SB' +02	20. 6' LT	1

TOTAL 1

## BASE AGGREGATE DENSE ITEMS

			305.0120 1 1/4-INCH
STATION - STATION	LOCATI ON	TON	TON
CATEGORY CODE 0010			
17' SB' +99 - 54' SB' +47	LT & RT	1, 600	70

TOTALS 1,600

BASE AGGREGATE DENSE 3/4-INCH WEIGHT CALCULATIONS BASED ON 2. 1 TONS/CY.
BASE AGGREGATE DENSE 1 1/4-INCH WEIGHT CALCULATIONS

## BASE PATCHING ITEMS

		390. 0203 BASE PATCHING ASPHALTIC	390. 0303 BASE PATCHING CONCRETE
STATION - STATION	LOCATI ON	SY	SY
CATEGORY CODE 0010			
17' SB' +99 - 18' SB' +25	LT & RT	66	
18' SB' +51 - 19' SB' +34	LT	55	
20' SB' +66 - 20' SB' +91	LT	34	
21' SB' +29 - 21' SB' +41	LT	17	
24' SB' +47 - 24' SB' +59	LT	13	
26' SB' +12 - 26' SB' +93	LT & RT	180	
27' SB' +18 - 27' SB' +67	RT		66
28' NB' +04 - 28' NB' +15	LT		14
28' SB' +43 - 32' SB' +41	LT & RT		1, 294
32' SB' +00 - 32' SB' +37	RT		50
32' SB' +50 - 32' SB' +82	LT & RT		87
40' SB' +70 - 40' SB' +82	RT		16
41' SB' +34 - 41' SB' +47	RT		16
363+50 - 363+60	RT		26
43' SB' +87 - 43' SB' +95	LT		2
43' NB' +89 - 44' NB' +12	RT		6
48' SB' +88 - 49' SB' +13	LT		32
50' SB' +18 - 50' SB' +80	LT & RT		108
52' SB' +19 - 52' SB' +79	RT		80
53' SB' +25 - 53' SB' +57	RT		33

TOTAL 365

## DRILLED TIE BAR AND DRILLED DOWEL BAR ITEMS

			416.0610 TIE BARS	DOWEL BARS
STATION -		LOCATI ON	EACH	EACH
CATEGORY COD	E 0010			
1. 55 .00	18' SB' +25	21 4 111		34
18' SB' +51 -	10 02 .01	LT	27	18
20' SB' +66 -		LT	16	16
21' SB' +29 -	~ 1 02 . 11	LT	8	16
24' SB' +47 -	24' SB' +59	LT	6	12
26' SB' +12 -	26' SB' +93	LT & RT	26	28
27' SB' +18 -	27' SB' +67	RT	16	16
28' NB' +04 -	28' NB' +15	LT	3	16
28' SB' +43 -	32' SB' +41	LT & RT	172	40
32' SB' +00 -	32' SB' +37	RT	12	16
32' SB' +50 -	32' SB' +82	LT & RT		32
40' SB' +70 -	40' SB' +82	RT	4	16
41' SB' +34 -	41' SB' +47	RT	4	16
363+50 -	363+60	RT	5	32
43' SB' +87 -	43' SB' +95	LT	4	2
43' NB' +89 -	44' NB' +12	RT	14	4
48' SB' +88 -	49' SB' +13	LT	8	16
50' SB' +18 -	50' SB' +80	LT & RT	14	32
52' SB' +19 -	52' SB' +79	RT	19	16
53' SB' +25 -		RT	26	
		TOTALS	384	378

MISCELLANEOUS QUANTITIES SHEET **E** 

PROJECT NO: 5845-01-61
FILE NAME: 58450131-030201-mq.ppt

BASED ON 2.0 TONS/CY.

PLOT DATE :

COUNTY: DANE

PLOT BY : gaajs

1,830

PLOT NAME :

PLOT SCALE : 1:1

## 3

## ASPHALTIC ITEMS

		455.0120 ASPHALTIC MATERIAL PG64-28	455.0605 TACK COAT	460.1103 HMA PAVEMENT TYPE E-3	460.4000 HMA COLD WEATHER PAVING	465.0105 ASPHALTIC SURFACE	465.0125 ASPHALTIC SURFACE TEMPORARY
STATION - STATION	LOCATI ON	TON	GAL	TON	TON	TON	TON
CATEGORY CODE 0010							
							_
17' SB' +99 - 54' SB' +47	LT & RT	233	4, 245	4, 275	480		
26' SB' +25 - 28' SB' +50	LT					21	75
28' SB' +97 - 29' SB' +07	LT					1	
UNDISTRIBUTED (KETTLE PARK WEST)		17	305	305			
	TOTALS	250	4, 550	4, 580	480	22	75

HMA PAVEMENT WEIGHT CALCULATIONS BASED ON 112 LB/SY/IN.
TACK COAT CALCULATIONS BASED ON 0.070 GAL/SY.
ASPHALTIC MATERIAL WEIGHT CALCULATIONS BASED ON 5.5% OF THE HMA PAVEMENT WEIGHT.

# CONCRETE CURB AND GUTTER 4-INCH SLOPED 30-INCH TYPE G

STATION - STATION	LOCATI ON	601.0574 LF
CATEGORY CODE 0010		
26' SB' +25 - 28' SB' +50	LT	225
26' NB' +25 - 28' NB' +50	RT	225
28' SB' +97 - 29' SB' +07	LT	10

TOTAL

460

## INLET PROTECTION ITEMS

		628. 7005 TYPE A	628.7015 TYPE C
STATI ON	LOCATI ON	EACH	EACH
CATEGORY CODE 0010			
29+02	LT		1
43+15	LT	1	
45+83	LT	1	
54+09	RT		1
54+23	LT		1
363+52	LT		1
UNDI STRI BUTED		1	2
	TOTALS	3	6

## STORM SEWER ITEMS

		611.3230 INLETS 2X3-FT	611.9710 SALVAGED INLET COVERS	650. 4000 CONSTRUCTION STAKING STORM SEWER
STATI ON	LOCATI ON	EACH	EACH	EACH
CATEGORY CODE 0010				
29' SB' +02	20. 6' LT	1	1	1
	TOTALS	1	1	1

## REMOVING SIGN ITEMS

638. 2602	638.3000
REMOVI NG	<b>REMOVING</b>
SIGNS	SMALL SIGN
TYPE II	SUPPORTS

			TYPE II	SUPPORTS	
SIGN NO.	STATI ON	LOCATI ON	EACH	EACH	COMMENTS
CATEGORY	CODE 0010				
101	21' SB' +12	RT	1	1	
102	23' NB' +24	LT	1	1	REMOVE 2 SIGNS
103	23' SB' +24	LT	1	1	
104	26' NB' +47	LT	1	1	REMOVE 2 SIGNS
105	26' SB' +52	RT	1	1	
106	28' SB' +49	LT	1	1	REMOVE 2 SIGNS
107	28' SB' +51	RT	1	1	
108	28' NB' +52	LT	1	1	
109	30' SB' +88	RT	1	1	
110	31' NB' +29	RT	1	1	
111	31' NB' +53	LT	1	1	REMOVE 2 SIGNS
112	32' SB' +15	RT	1	1	REMOVE 3 SIGNS
113	32' SB' +46	LT	1	1	
114	32' NB' +82	LT	1	1	
115	34' SB' +18	RT	1	1	
116	34' NB' +60	RT	1	1	
117	35' NB' +70	LT	1	1	REMOVE 2 SIGNS
118	35' SB' +83	RT	1	1	
119	37' SB' +29	RT	1	2	
120	38' SB' +70	RT	1	2	
121	39' NB' +51	LT	1	1	
122	39' SB' +92	RT	1	1	
123	41' SB' +20	LT	1	1	<del></del>
124	42' SB' +29	RT	1	1	
125	42' NB' +11	LT	1	2	REMOVE 2 SIGNS
126	362+35	LT	1	1	
127	362+60	LT	1	1	
128	43' SB' +40	LT	1	1	
129	43' NB' +65	LT	1	1	
130	43' NB' +70	LT	1	1	
131	363+54	LT	1	1	REMOVE 3 SIGNS
132	363+66	RT	1	1	REMOVE 2 SIGNS
133	363+66	RT	1	1	REMOVE 2 SIGNS
134	44' NB' +03	RT	1	1	
135	44' NB' +44	LT	1	1	
136	46' SB' +23	RT	1	1	
137	46' NB' +53	LT	1	2	REMOVE 2 SIGNS
138	46' NB' +84	RT	1	1	
139	49' NB' +83	LT	1	1	
140	51' SB' +02	RT	1	1	REMOVE 2 SIGNS
141	50' NB' +38	RT	1	1	
141	50' NB' +78	LT	1	1	
142	53' SB' +01	RT	1	1	REMOVE 2 SIGNS
143	52' NB' +44	LT	1	1	REMOVE 2 SIGNS
144	52 NB +44 54' SB' +02	RT	1	1	REMOVE 3 SIGNS
143	J4 SD +U2	K I	1	1	REMOVE 3 SIGNS

TOTALS 45 49

PROJECT NO: 5845-01-61 HWY: USH 51 COUNTY: DANE MISCELLANEOUS QUANTITIES SHEET **E** 

FILE NAME : 58450131-030201-mq.ppt PLOT DATE : PLOT BY : gaajs PLOT NAME : PLOT SCALE : 1:1

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## SIGNING ITEMS

SIGN NUMBER	LOCATI ON	SI GN CODE	SIZE	634.0614 POSTS WOOD 4X6X14 EACH	634.0616 POSTS WOOD 4X6X16 EACH	634.0618 POSTS WOOD 4X6X18 EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637. 2230 SIGNS TYPE II REFLECTIVE F SF	COMMENTS
CATEGOR	Y CODE 0010	0							
001	051 17	DO 1	0.4800		4		5.00		45 MOH
201	25' LT	R2-1	24X30		1		5. 00		45 MPH
202 203	25' RT 14' LT	R2- 1 R4- 7	24X30 36X48	1	1 		5. 00 12. 00	 	45 MPH
203A	" "	W5-54	18X18				1£. 00	2. 25	USE A 4-FT MOUNTING HEIGHT
204	26' LT	R5- 1	36X36		1		9. 00	2. 23 	
205	"	W6-3	36X36					9. 00	MOUNT ON SAME POST AS #204 (OPPOSITE SIDE)
206	26' LT	R5-1A	42X30		1		8. 75		
207	"	W6-2	36X36					9. 00	MOUNT ON SAME POST AS #206 (OPPOSITE SIDE)
208	20' LT	R3-20L	36X54		1		13. 50		
209	26' RT	R5- 1A	42X30	1			8. 75		
210	26' RT	R5-1	36X36		1		9. 00		
211	18' RT	W4-2L	36X36		1			9. 00	
212	26' LT	W4-2L	36X36		1			9. 00	
213	21' RT	R4-7	36X48		1		12. 00		
214	42' LT	R6-1R	54X18		<u> </u>		6. 75		<u></u>
214A 214B	"	R1- 1 R6- 3	36X36 30X24				7. 46 5. 00		
2145	"	R6-1L	54X18				6. 75		MOUNT ABOVE STOP SIGN (OPPOSITE SIDE OF #214)
216	39' RT	R6-1R	54X18		1		6. 75		
216A	"	R1-1	36X36				7. 46		
216B	11	R6-3	30X24				5. 00		
217	"	R6-1L	54X18				6. 75		MOUNT ABOVE STOP SIGN (OPPOSITE SIDE OF #216)
218	21' LT	R4-7	36X48		1		12.00		
219	26' LT	R5- 1	36X36		1		9. 00		
220	28' LT	D1-1	84X21		2		12. 25		MADI SON 13
221	25' RT	J1-1	24X39		1		6. 50		JCT 138
222	26' RT	R3-20L	36X54		1		13. 50		
223	26' LT	R5-1A	42X30		1		8. 75		AT MOUL / MOUNT ON CAME DOOT AC HOOO (ODDOCLTE CLDE)
224 225	26' RT	R2- 1 R2- 1	36X48 36X48				12. 00 12. 00		45 MPH/ MOUNT ON SAME POST AS #222 (OPPOSITE SIDE) 45 MPH
226	25' LT	R2-1	24X30	1	1 		5. 00		35 MPH
227	25' RT	R2-1	24X30	1			5. 00		35 MPH
228	27' RT	J2-3	72X57			2	28. 50		NORTH 51 [LB], SOUTH 138 [LB], NORTH 138 [RT]
229	25' RT	R3-20R	24X36		1		6. 00		
230	31' RT	D1-2	96X36			2	24. 00		STOUHGTON [TL], OREGON RIGHT [RA]
231	26' LT	R5- 1A	36X24	1			6.00		
232	32' RT	J3-2	48X57		1		19. 00		SOUTH 138 [TL], NORTH 138 [RA]
233	25' LT	J4-1	24X36		1		6. 00		NORTH 51
234	64' LT	R1-2	36X31	1			3. 88		
235	31' LT	R1-2	36X31	1			3. 88		
236	26' LT	R5-1	30X30		1		6. 25 5. 00		
237 238	26' LT 25' LT	R4- 7 R6- 2L	24X30 24X30	1	I 		5. 00 5. 00		
239	4' LT	R6- 1R	36X12		1		3. 00		
239A	4 L1	R1-1	30X12				5. 18		
239B	II .	R6- 3A	30X24				5. 00		
240	"	R4-7	24X30				5. 00		MOUNT ON SAME POST AS #239 (OPPOSITE SIDE)
241	33' RT	R6-1R	36X12		1		3. 00		
241A	"	R1-1	30X30				5. 18		
241B	"	R6-3A	30X24				5. 00		<u></u>
242	38' RT	J3-3	72X57			2	28. 50		NORTH 51 [LA], SOUTH 51 [RA], SOUTH 138 [RA]
243		R5-1	30X30				6. 25		MOUNT ON SAME POST AS #240 (OPPOSITE SIDE)
244	25' LT	J3-1	24X57		1		9. 50		NORTH 51 [TR]
245	37' RT	R5-1	30X30			1	6. 25		NODELL 190 [IA] / MOUNT ON CAME DOOR AC #040 (ODDOCTOR CERT)
246		J3- 1	24X57				9. 50		NORTH 138 [LA] / MOUNT ON SAME POST AS #242 (OPPOSITE SIDE)
						C	ONTI NUED ON NEX	XT SHEET	

PROJECT NO: 5845-01-61 FILE NAME: 58450131-030201-mq.ppt

HWY: USH 51

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## SIGNING ITEMS (CONTINUED)

ar av		ar av		634.0614 POSTS WOOD	634.0616 POSTS WOOD	634.0618 POSTS WOOD	637.2210 SIGNS TYPE II	637.2230 SIGNS TYPE II	
SIGN	LOCATION	SIGN	OT ZE	4X6X14	4X6X16	4X6X18	REFLECTIVE H	REFLECTIVE F	
	LOCATION Y CODE 001	CODE	SIZE	EACH	EACH	EACH	SF	SF	COMMENTS
247	27' RT	J4-2	48X36		1		12. 00		SOUTH 51, SOUTH 138
248	28' LT	D1-2	84X36			2	21. 00		MADISON [TR], OREGON [LA]
249	"	R5- 1A	36X24				6. 00		MOUNT ON SAME POST AS #246 (OPPOSITE SIDE)
250	26' RT	W6-2	36X36		1			9. 00	
251	25' RT	R3- 20L	24X36		1		6. 00		
252	26' RT	R5-1A	36X24	1			6. 00		
253	25' LT	R2-1	24X30	1			5. 00		35 MPH
254	24' LT	R2-1	24X30	1			5.00		25 MPH
255	"	R2-1	24X30				5.00		35 MPH/ MOUNT ON SAME POST AS #251 (OPPOSITE SIDE)
256	25' RT	R2-1	24X30	1			5. 00		25 MPH
257	22' RT	R4-7	24X30	1			5. 00		
257A	"	W5-54	18X18					2. 25	USE A 4-FT MOUNTING HEIGHT
258	25' RT	R5-1	30X30	1			6. 25		
259	26' LT	J2-2	48X57			1	19.00		NORTH 138 [LT], NORTH 51 [RB]
260	26' RT	W6-3	36X36		1			9. 00	
261	"	R6-1L	54X18				6. 75		MOUNT ABOVE STOP SIGN (OPPOSITE SIDE OF #)
262	47' LT	R6-1R	54X18		1		6. 75		
262A	"	R1-1	36X36				7.46		
262B	"	R6-3	30X24				5. 00		
263	45' RT	R6-1R	54X18		1		6. 75		
263A	"	R1-1	36X36				7. 46		
263B	"	R6-3	30X24				5. 00		
264		R6-1L	54X18		<del></del>		6. 75		MOUNT ABOVE STOP SIGN (OPPOSITE SIDE OF #)
265	18' LT	W6-1	36X36		1			9. 00	
-									

588.96

67.50

PROJECT NO: 5845-01-61 HWY: USH 51 COUNTY: DANE MISCELLANEOUS QUANTITIES SHEET **E** 

TOTALS

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					TRAFF	[C CO	NTROL	I TEMS									,		
	APPROXI MATE NUMBER OF DAYS		638.4000 MOVING SMALL SIGN		0300 UMS	BARRI	0420 CADES		643.0600 FLEXIBLE TUBULAR MARKER	643. WARI LIG TYP	HTS	643. WARN LIG TYP	NI NG HTS		0900 GNS	643.0920 COVERING SIGNS TYPE II		SI	. 1050 GNS CMS
	IN		SUPPORTS	NO.	TOTAL	NO.	TOTAL	POSTS	BASES				TOTAL		TOTAL			NO.	TOTA
LOCATI ON PROJECT	SERVI CE	EACH	EACH	REQ' D	DAY	REQ' D	DAY	EACH	EACH	REQ' D	DAY	REQ' D	DAY	REQ' D	DAY	EACH	SF	REQ' D	DAY
TROOLET																			
USH 51 NORTH OF PROJECT LIMITS	76																34		
USH 51 EAST OF PROJECT LIMITS	76																34		
STH 138 WEST OF PROJECT LIMITS	76																34		
	PROJECT SUBTOTALS																102		
STAGE 1																			
STAGE 1																			
USH 51 NORTH OF PROJECT LIMITS	7																	1	7
USH 51 EAST OF PROJECT LIMITS	7																	1	7
NORTH OF WORK AREA	8													4	32				
SOUTH OF WORK AREA	8													3	24				
JACKSON STREET	8													2	16				
	STAGE 1 SUBTOTALS													9	72			2	14
STAGE 2																			
NORTH OF WORK AREA	Q													4	32				
SOUTH OF WORK AREA	8		 											3	32 24				
JACKSON STREET	8													2	16				
NORTH OF SOUTHBOUND LANE CLOSURE	8													1	8				
AT SOUTHBOUND LANE CLOSURE	8			97	776	4	32			8	64	11	88	5	40				
SOUTH OF SOUTHBOUND LANE CLOSURE	8													4	32				
	STAGE 2 SUBTOTALS			97	776	4	32			8	64	11	88	19	152				
STAGE 3																			
NODEH OF HODY ADEA	00														100				
NORTH OF WORK AREA EAST OF WORK AREA	30 30													4	120 90				
JACKSON STREET	30													ა 9	60				
NORTH MEDIAN CROSSOVER	30			45	1, 350	4	120			5	150	11	330	3	90				
USH 51	30	10	12					50	50										
HULTS ROAD	30					8	240			10	300			2	60				
STH 138	30					13	390			17	510			6	180				
EAST MEDIAN CROSSOVER	30			30	900	7	210			11	330	10	300	7	210				
HOEL AVENUE	30			13	390									3	90				
SI LVERADO DRI VE	30													2	60				
	STAGE 3 SUBTOTALS	10	12	88	2, 640	32	960	50	50	43	1, 290	21	630	32	960				
STAGE 3A																			
HULTS ROAD	18			22	396	3	54			4	72			3	54				
STH 138	18			35	630	1	18			2	36	10	180	2	36				
	STAGE 3A SUBTOTALS			57	1, 026	4	72			6	108	10	180	5	90				
STAGE 3B																			
HULTS ROAD	12			26	312	4	48			6	72			3	36				
						-								-					
STH 138	12			37	444	1	12			2	24	10	120	2	24				
STH 138	STAGE 3B SUBTOTALS			37 63	756	5	60			8	96	10	120		60				

MISCELLANEOUS QUANTITIES

FILE NAME : 58450131-030201-mq.ppt
PLOT DATE : PLOT BY : gaajs PLOT NAME : PLOT SCALE : 1:1

COUNTY: DANE

HWY: USH 51

PROJECT NO: 5845-01-61

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## TRAFFIC CONTROL ITEMS (CONTINUED)

	APPROXI MATE NUMBER OF DAYS		638.4000 MOVING SMALL SIGN		0300 UMS	BARR			643.0600 FLEXIBLE TUBULAR MARKER	WAR LI (	0705 NING GHTS PE A	WAR: LIG	0715 NING SHTS PE C		0900 GNS	643.0920 COVERING SIGNS TYPE II	643. 1000 SIGNS FIXED MESSAGE	SI	. 1050 GNS CMS
	IN	IIPE II	SUPPORTS	NO.	TOTAL	NO.	TOTAL	POSTS	BASES	NO.	TOTAL	NO.	TOTAL	NO.	TOTAL	IIPE II	MESSAGE	NO.	TOTA
LOCATI ON	SERVI CE	EACH	EACH	REQ' D		REQ' D		EACH	EACH	REQ' D		REQ' D		REQ' D		EACH	SF	REQ' D	
TAGE 4																			
NORTH OF WORK AREA	15													4	60				
EAST OF WORK AREA	15													3	45				
JACKSON STREET	15					9	135			11	165			5	75				
NORTH MEDIAN CROSSOVER	15			11	165	2	30			4	60			2	30	1			
USH 51	15	6	8					72	72										
OLD NORTH CROSSOVER	15			13	195	2	30			4	60			1	15				
STH 138	15					7	105			8	120			1	15				
SI LVERADO DRI VE	15					10	150			12	180			3	45				
EAST MEDIAN CROSSOVER	15			28	420	7	105			10	150	10	150	5	75				
HOEL AVENUE	15													2	30				
	STAGE 4 SUBTOTALS	6	8	52	780	37	555	72	72	49	735	10	150	26	390	1			
TAGE 5																			
USH 51 NORTH OF PROJECT LIMITS	7																	1	7
USH 51 EAST OF PROJECT LIMITS	7																	1	7
NORTH OF WORK AREA	15													2	60				
SOUTH OF WORK AREA	15													2	45				
JACKSON STREET	15													2	30				
AT SOUTHBOUND LANE CLOSURE	15			36	540	1	15			2	30			2	30				
	STAGE 5 SUBTOTALS			36	540	1	15			2	30			8	165			2	14
	TOTALS	16	20	393	6, 518	83	1,694	122	122	116	2, 323	62	1, 168	104	1, 889	1	102	4	28

## PAVEMENT MARKING ITEMS

			EP 4-]	O106 OXY INCH		646. 0126 EPOXY 8-INCH	SAME EP: 4-I	O4O6 E DAY OXY NCH	ARROWS EPOXY TYPE 1	647.0166 ARROWS EPOXY TYPE 2	ARROWS EPOXY TYPE 3	ARROWS BIKE LANE EPOXY	SYMBOLS BIKE LANE EPOXY	WORDS EPOXY	647.0566 STOP LINE EPOXY 18-INCH	I SLAND NOSE EPOXY	DI AGONAL EPOXY 8-INCH	DI AGONAL EPOXY 12-INCH	CROSSWALI EPOXY 6-INCH
		WHITE			YELLOW	WHITE	YELLOW	YELLOW	WHITE	WHITE	WHITE	WHITE	WHITE	WHITE	WHI TE	YELLOW	WHITE	YELLOW	WHITE
			12.5' SKI PS	3' SKIPS				12.5' SKIPS											
STATION - STATION	LOCATI ON	LF	LF	LF	LF	LF	LF	LF	EACH	EACH	EACH	EACH	EACH	EACH	LF	EACH	LF	LF	LF
CATEGORY CODE 0010																			
17' SB' +99 - 54' SB' +47	LT & RT	3, 386	826	6	3, 119	458	1, 075	25								1		360	
		3, 274	726	12	3, 223	286	490												
360+84 - 363+62	LT & RT	202	38		206	128				4				2	25	1			
JACKSON STREET															31				
HULTS ROAD															29				
SILVERADO DRIVE															27				
HOEL AVENUE															32				
UNDISTRIBUTED (KETTLE PARK WEST)		832				1, 228			8	12	3	3	3	6	41		350		540
	TOTALS	7, 694	1, 590	18	6, 548	2, 100	1, 565	25 590	. 8	16	3	3	3	8	185	2	350	360	540

HWY: USH 51

COUNTY: DANE

MISCELLANEOUS QUANTITIES

PLOT BY : gaajs

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### REMOVING PAVEMENT MARKING ITEMS

N	LF	EACH	EACH
		ARROWS	WORDS
	MARKINGS	MARKINGS	MARKINGS
	PAVEMENT	PAVEMENT	PAVEMENT
	<b>REMOVING</b>	<b>REMOVING</b>	REMOVI NG
	646.0600	647.0955	647.0965

2

2

			ARROWS	WORDS
STATION - STATION	LOCATI ON	LF	EACH	EACH
CATEGORY CODE 0010				
25' SB' +60 - 27' SB' +	10 C/L	38		
26' SB' +35 - 27' SB' +8	80 LT	146		
26' NB' +90 - 28' NB' +4	46 RT	156		
44' NB' +12 - 45' NB' +	58 RT	148		
52' NB' +33 - 52' NB' +6	67 RT	34		
53' SB' +60 - 53' SB' +8	80 LT	20		
53' NB' +18 - 54' NB' +3	39 RT	244		
54' SB' +47 - 56' SB' +4	47 C/L	50		
53' NB' +52 - 57' NB' +6	64 C/L	112		
360+92 - 362+32	RT	38		
362+45	RT			2
363+21	RT		2	
363+56 - 363+62	RT	24		

TOTALS 1,010

14, 200

		REFLECTI	O2OO VE PAINT NCH	REMOVAE	0400 BLE TAPE NCH	649.1100 STOP LINE 18-INCH	649.1200 STOP LINE REMOVABLE TAPE 18-INCH
	•	WHITE	YELLOW	WHITE	YELLOW	WHITE	WHITE
STATION - STATION	LOCATI ON	LF	LF	LF	LF	LF	LF
CATEGORY CODE 0010							
STAGE 3	LT & RT	2, 440	6, 074	2, 292	3, 082	84	65
STAGE 4	LT & RT	740	1, 578	3, 106	5, 720	51	50
STAGE 5	LT & RT	126	1, 592				
	TOTALS	3, 306	9, 244	5, 398	8, 802	_ 135	115

TEMPORARY PAVEMENT MARKING ITEMS

CONSTRUCTION STAKING ITEMS

		650.8000 RESURFACI NG REFERENCE	650.9910 SUPPLEMENTAL CONTROL
STATION - STATION	LOCATI ON	LF	LS
CATEGORY CODE 0010			
			_
17' SB' +99 - 54' SB' +47	LT & RT	3, 648	1
362+53 - 363+93	LT & RT	140	
	TOTALS	3, 788	1

STAKING ITEMS FOR STORM SEWER SHOWN ELSEWHERE

12,550

HWY: USH 51 PROJECT NO: 5845-01-61 COUNTY: DANE MISCELLANEOUS QUANTITIES

STATION - STATION

CATEGORY CODE 0010

SHEET

### LT & RT 31 LT & RT 32

690.0150 690.0250

ASPHALT CONCRETE

LF

LF

SAWING PAVEMENT ITEMS

LOCATI ON

STATION - STATION

CATEGORY CODE 0010

17' SB' +99 18' SB' +17 - 18' SB' +25 18' SB' +51 - 19' SB' +34 LT 114 20' SB' +64 - 20' SB' +91 LT 76 21' SB' +27 - 21' SB' +41 LT 49 24' SB' +46 - 24' SB' +59 LT 44 26' SB' +10 - 26' SB' +94 LT & RT 126 26' SB' +25 LT 5 27' SB' +18 - 27' SB' +69 RT 74 28' NB' +04 - 28' NB' +15 LT 36 28' SB' +41 - 32' SB' +41 LT & RT 477 28' SB' +49 LT 12 5 LT 28' SB' +97 3 29' SB' +07 LT 3 31' SB' +54 - 32' SB' +35 LT & RT 107 RT 48 31' SB' +60 - 62' SB' +06 - -31' NB' +60 - 62' NB' +03 LT 45 - -RT62 32' SB' +00 - 32' SB' +39 32' SB' +50 LT & RT 24 32' SB' +82 LT & RT 24 40' SB' +70 - 40' SB' +84 RT35 41' SB' +34 - 41' SB' +48 RT 36 43' SB' +87 - 43' SB' +95 LT 13 43' NB' +89 - 44' NB' +12 RT30 362+32 - 362+48 LT 35 362+52 LT 16 RT 362+56 3 26 RT 68 363+50 - 363+61 48' SB' +86 - 49' SB' +13 LT 49 24 50' SB' +18 LT & RT 50' SB' +37 - 50' SB' +80 LT & RT 67 52' SB' +19 - 52' SB' +79 RT 84 RT 53' SB' +25 - 53' SB' +57 86 53' SB' +18 - 53' SB' +60 RT 46 52' NB' +49 - 52' NB' +88 LT 38 54' SB' +47 LT & RT 55

> TOTALS 130 2,000

## CONCRETE JOINT AND CRACK CLEANING

SPV. 0090. 01 LOCATI ON LF

UNDI STRI BUTED LT & RT 10, 500

> TOTAL 10, 500

PLOT DATE :

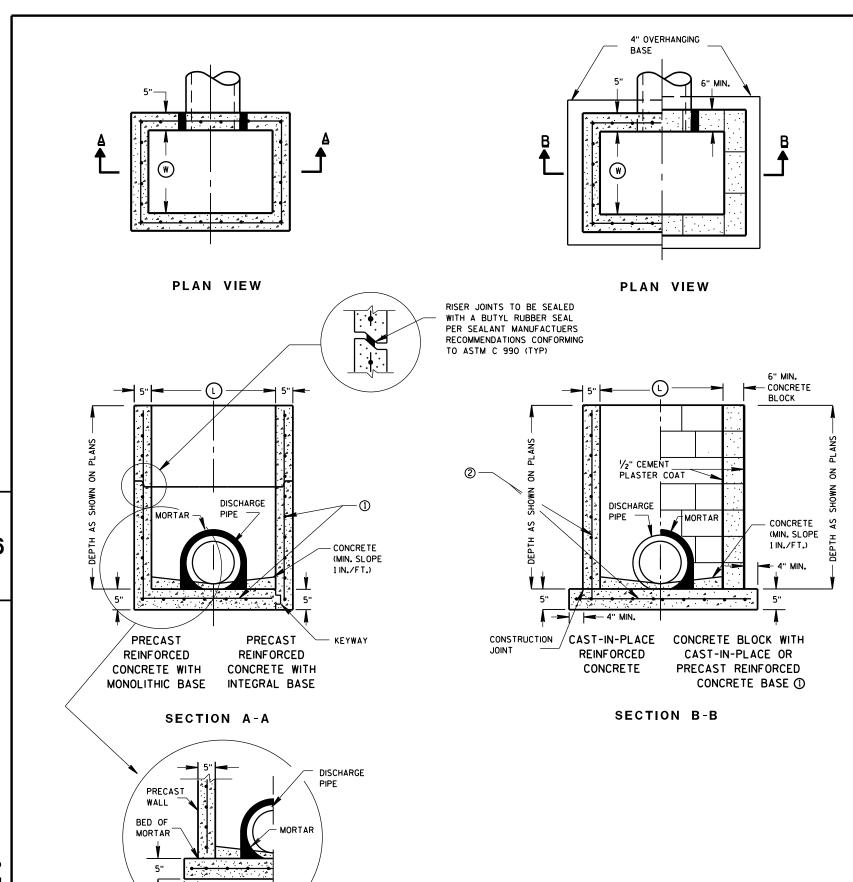
PLOT BY : gaajs

PLOT NAME :

PLOT SCALE: 1:1

# Standard Detail Drawing List

08C07-01	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08D01-17	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08E10-02	INLET PROTECTION TYPE A, B, C AND D
13C14-04A	BASE PATCHING CONCRETE
13C14-04B	BASE PATCHING CONCRETE
13C14-04C	BASE PATCHING CONCRETE
14B29-01	SAFETY EDGE
15C04-02	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C05-02	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS
15C07-12B	PAVEMENT MARKING WORDS
15C07-12C	PAVEMENT MARKING ARROWS
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C08-16B	PAVEMENT MARKING (INTERSECTIONS)
15C08-16E	PAVEMENT MARKING (LEFT TURN LANE)
15C08-16F	PAVEMENT MARKING (ISLANDS)
15C11-05	FLEXIBLE TUBULAR MARKER POST, ANCHOR & BASES
15C12-04	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15C18-03	MEDIAN ISLAND MARKING
15C19-02A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C19-02B	MOVING PAVEMENT MARKING OPERATION MULTI-LANE UNDIVIDED ROADWAY
15C19-02C	MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY
15C21-05	SIGNING AND MARKING FOR TWO LANE TO FOUR LANE DIVIDED TRANSITIONS
15C29-03A	BI CYCLE LANE MARKING
15C29-03C	URBAN BI CYCLE LANE MARKI NG
15C29-03E	PAVEMENT MARKING FOR BIKE LANES
15C33-01	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D06-03	TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION
15D11-05	TRAFFIC CONTROL, SINGLE LANE CROSSOVER
15D20-02	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D21-03	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D23-03	TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE



### **GENERAL NOTES**

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

- 4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
- 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
- OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

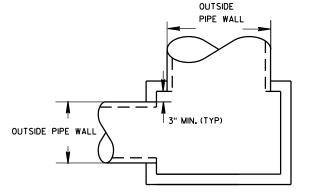
- 1) FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.
- (2) CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

### INLET COVER MATRIX

	INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	s	т	v	WM
		WIDTH (W) (FT)	LENGTH (L) (FT)									
	2X2-FT	2	2	X	х				Х		Х	
ſ	2X2.5-FT	2	2.5			Х			Х	Х	Х	Х
[	2X3-FT	2	3					Х				
	2.5X3-FT	2.5	3				Х					

### PIPE MATRIX

	MAXIMUM INSIDE PIPE DIAMETER				
INLET SIZE	WIDTH (IN)	LENGTH (IN)			
2X2-FT	12	12			
2X2.5-FT	12	18			
2X3-FT	12	24			
2.5X3-FT	18	24			



DETAIL "A"

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

**APPROVED** 6/5/2012 DATE

FHWA

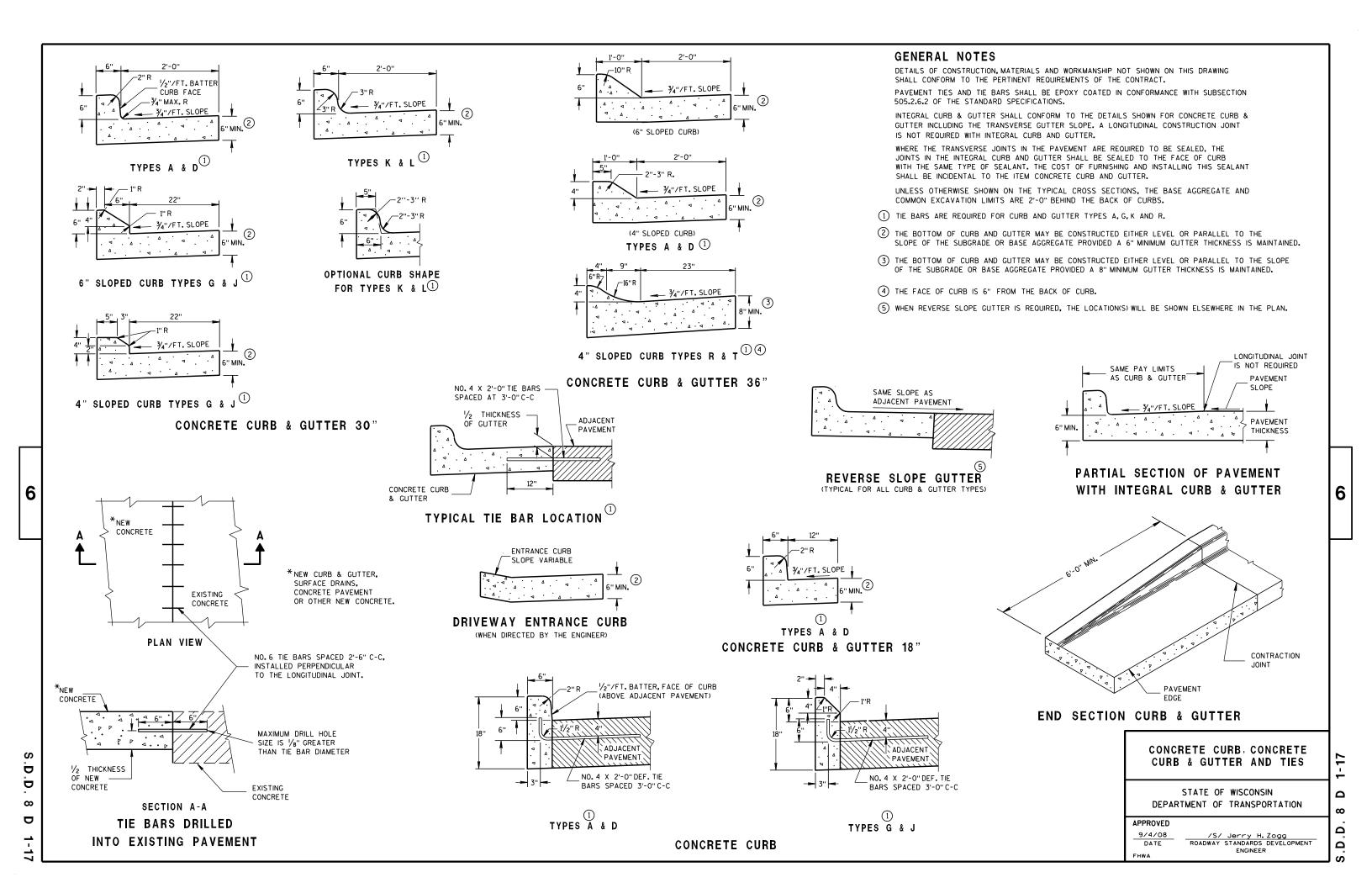
/S/ Jerry H. Zogg ROADWAY STANDARDS DEVELOPMENT

ENGINEER

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

SEPARATE PRECAST REINFORCED

CONCRETE BASE OPTION







INLET PROTECTION, TYPE A

### **GENERAL NOTES**

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

- 1) FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
- (2) FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.
- (3) FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.



### INLET PROTECTION, TYPE C (WITH CURB BOX)

### **INSTALLATION NOTES**

### TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

### TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE, THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

### INLET PROTECTION TYPE A, B, C, AND D

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02

/S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER 6

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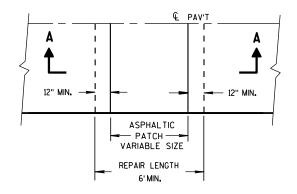
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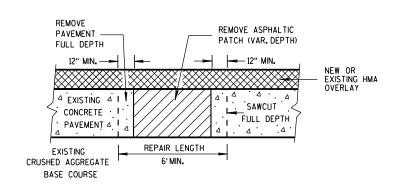
PROVIDE 6-FOOT MINIMUM DISTANCE FROM BOUNDARIES OF CONCRETE REPAIR AREAS TO ADJACENT TRANSVERSE JOINT OR CRACK.

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.

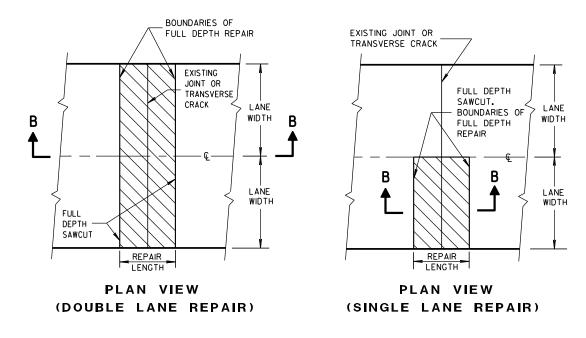


**PLAN VIEW** 



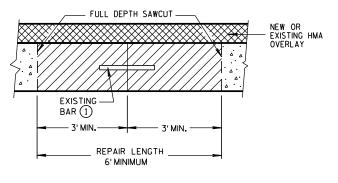
SECTION A-A

HMA PATCH REMOVAL



FULL DEPTH CONCRETE PAVEMENT REMOVAL

(SEE NOTE)



SECTION B-B

**CONCRETE REMOVAL** 

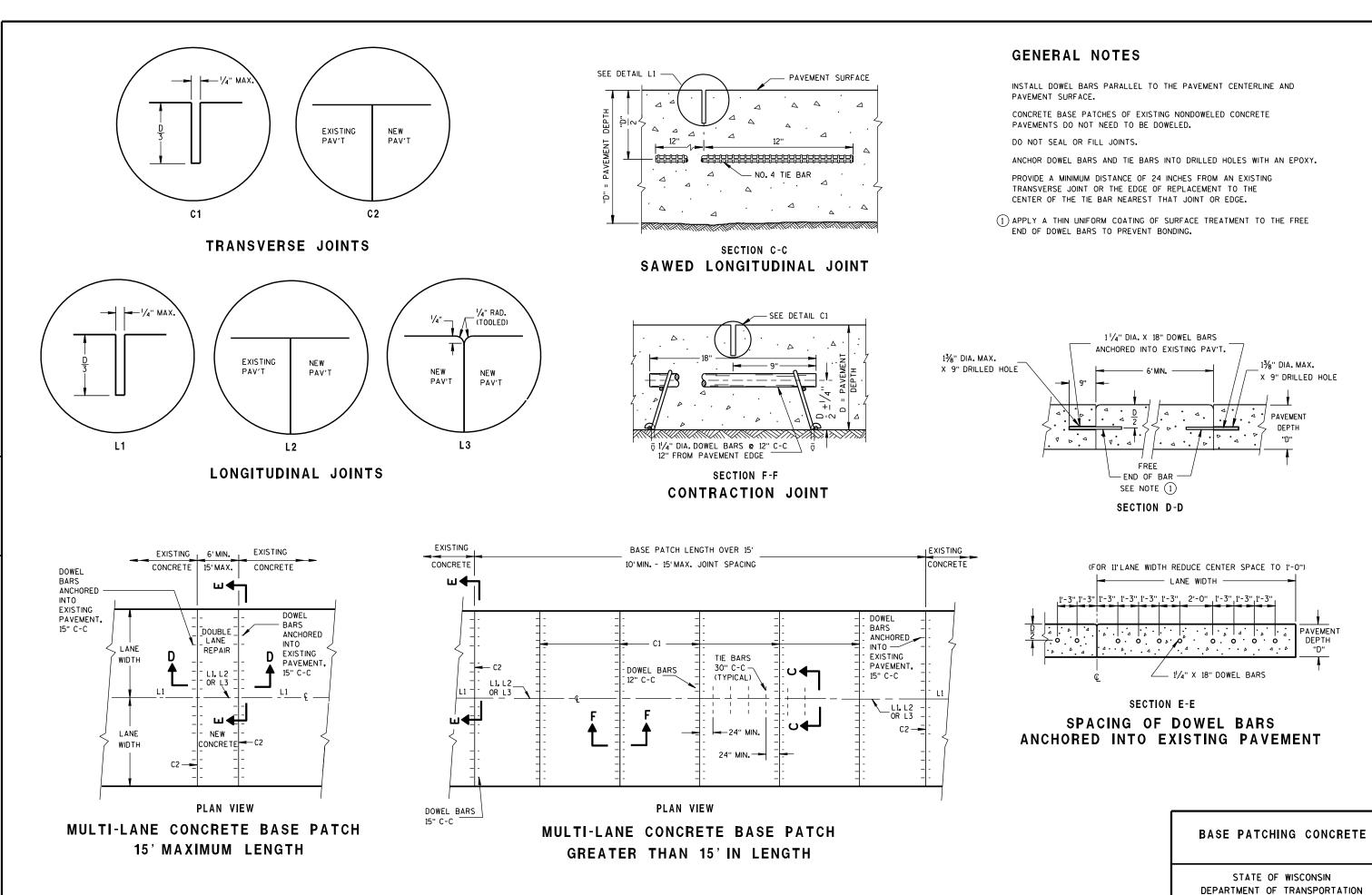
BASE PATCHING CONCRETE

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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

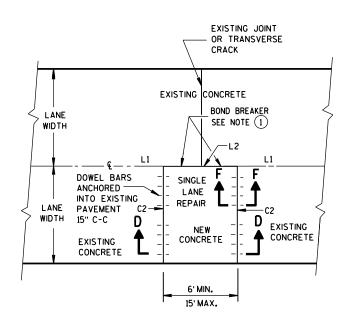


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## TIE BARS ANCHORED INTO EXISTING PAVEMENT



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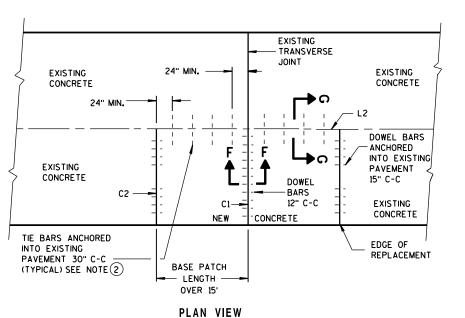
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PLAN VIEW SINGLE LANE CONCRETE BASE PATCH 15' MAXIMUM LENGTH



SINGLE LANE CONCRETE BASE PATCH GREATER THAN 15' IN LENGTH

**GENERAL NOTES** 

1 USE AN ENGINEER-APPROVED BOND BREAKER (E.G. RELEASE AGENT, CURING COMPOUND) 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

/S/ Deb Bischoff 12-11-2009 DATE PAVEMENT POLICY & DESIGN ENGINEER

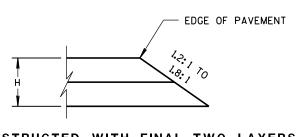
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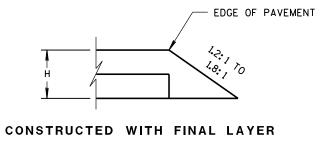
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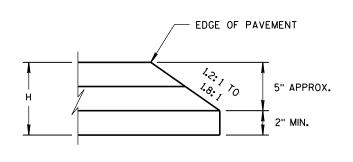


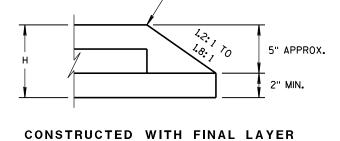


FOR H 5" OR LESS

CONSTRUCTED WITH FINAL TWO LAYERS

FOR H 5" OR LESS





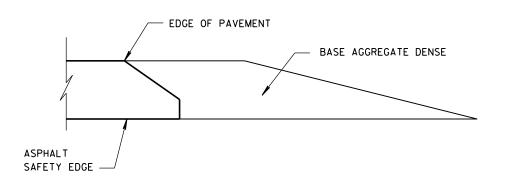
FOR H GREATER THAN 5"

EDGE OF PAVEMENT

CONSTRUCTED WITH FINAL TWO LAYERS

FOR H GREATER THAN 5"

HMA PAVEMENT AND HMA OVERLAYS



FINISHED SHOULDER AGGREGATE PLACEMENT

SAFETY EDGE SM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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APPROVED

DATE ROADWAY STANDARDS DEVELOPMENT ENGINEER

## TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL

## **GENERAL NOTES**

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C

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

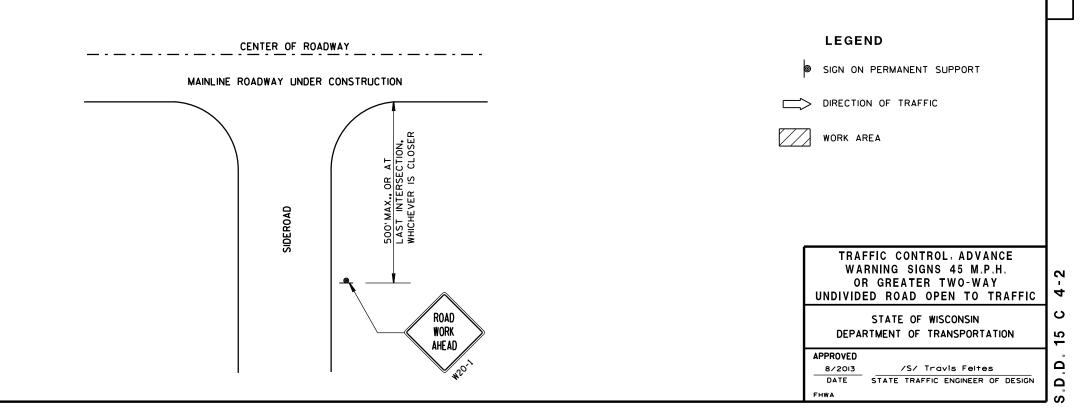
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"×48" 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 W20-1 "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



## **GENERAL NOTES**

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

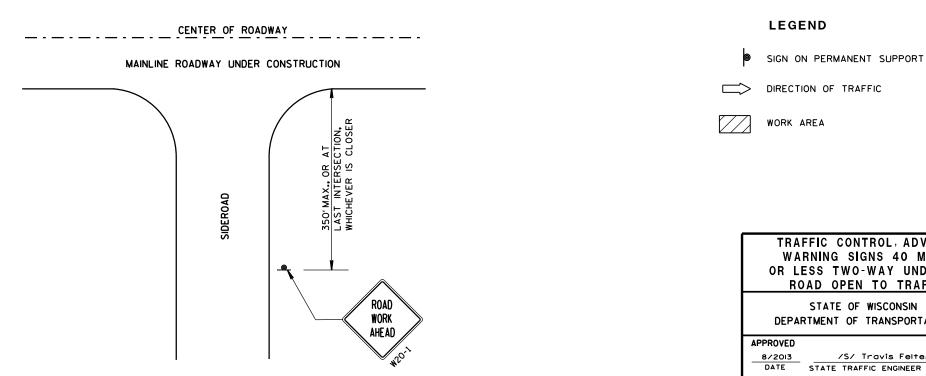
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"×48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"x36" SIGNS MAY BE USED INSTEAD OF 48"x48"

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.

\* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FT" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION

/S/ Travis Feltes STATE TRAFFIC ENGINEER OF DESIGN

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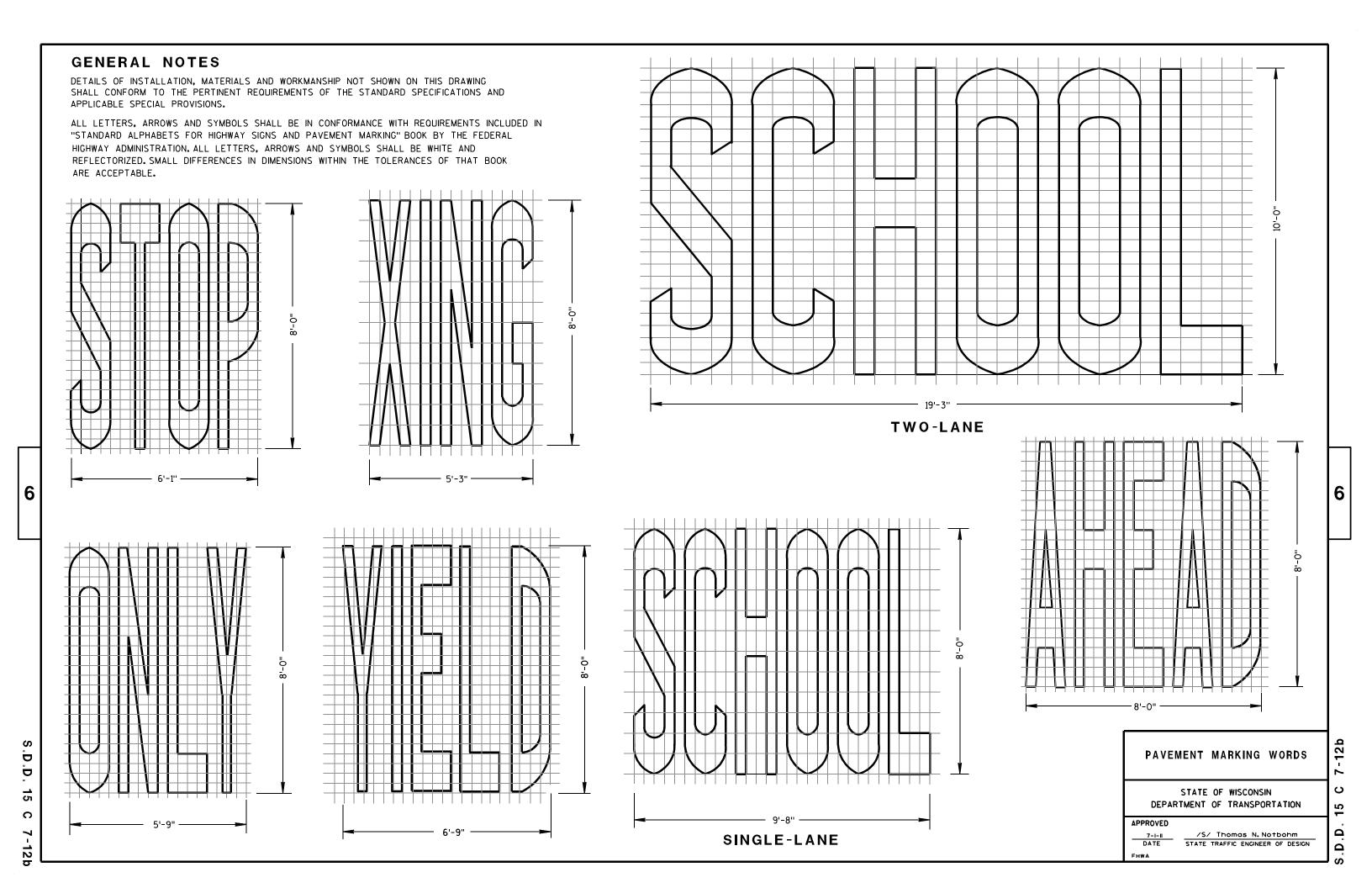
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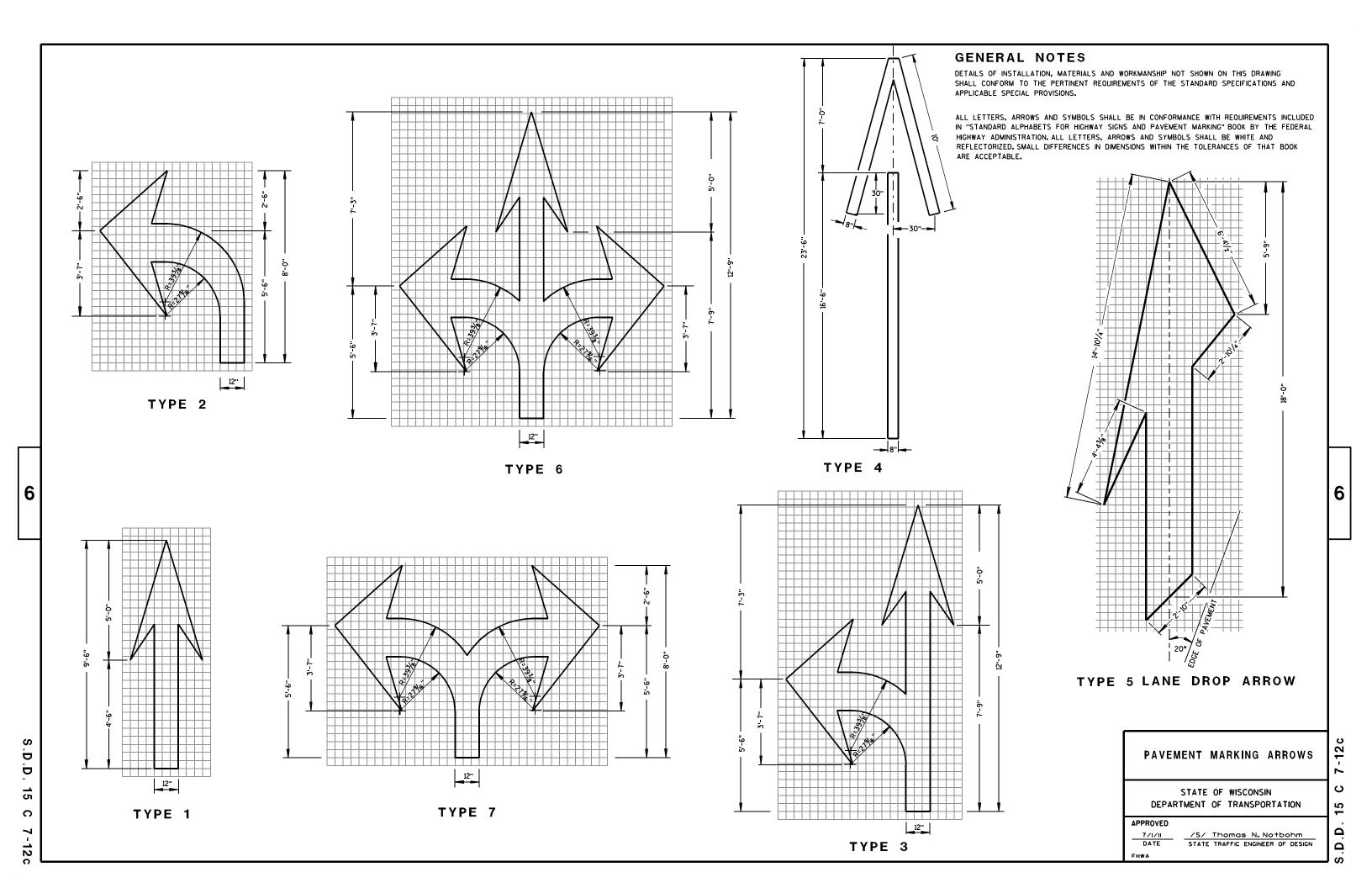
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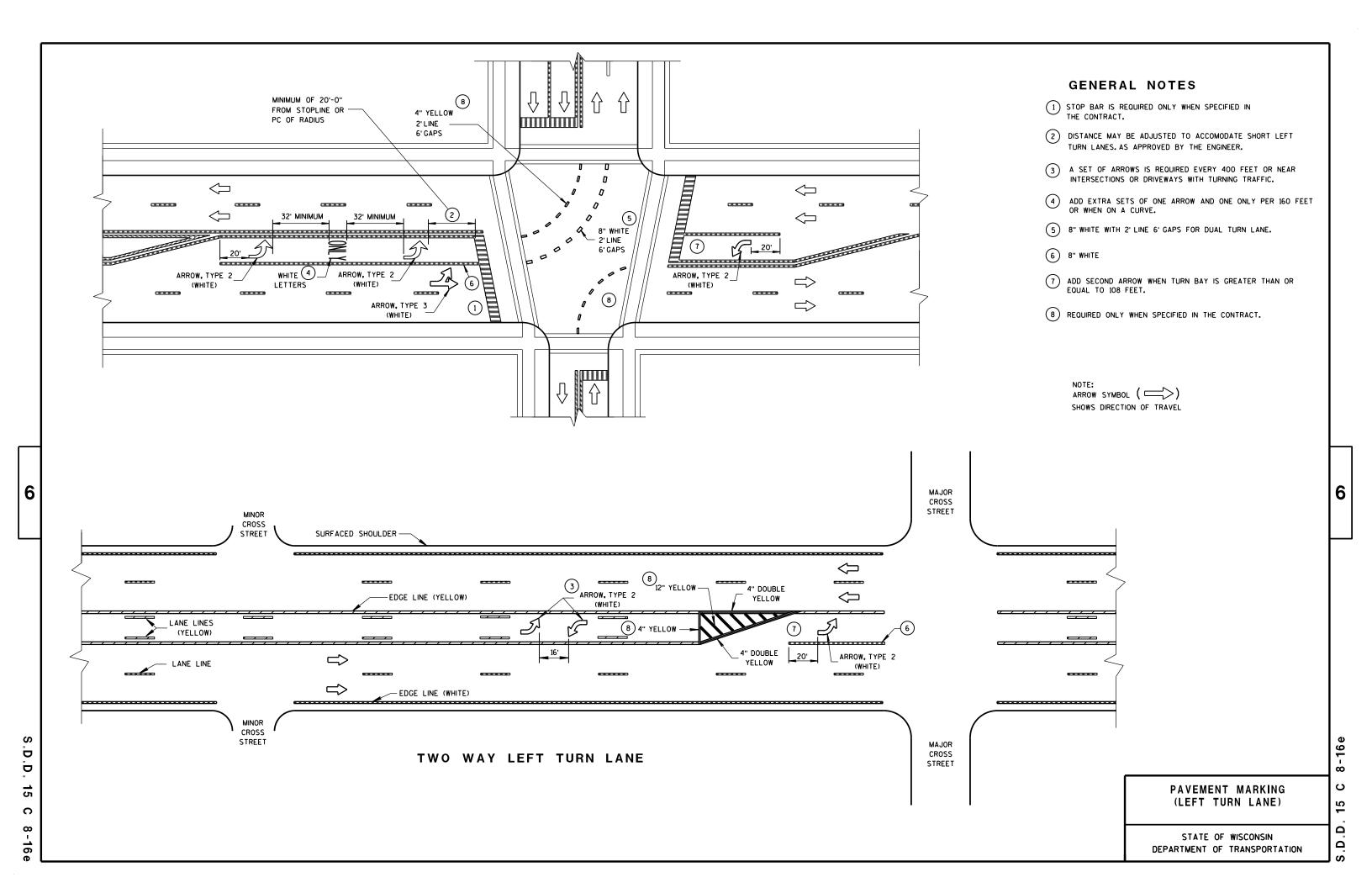
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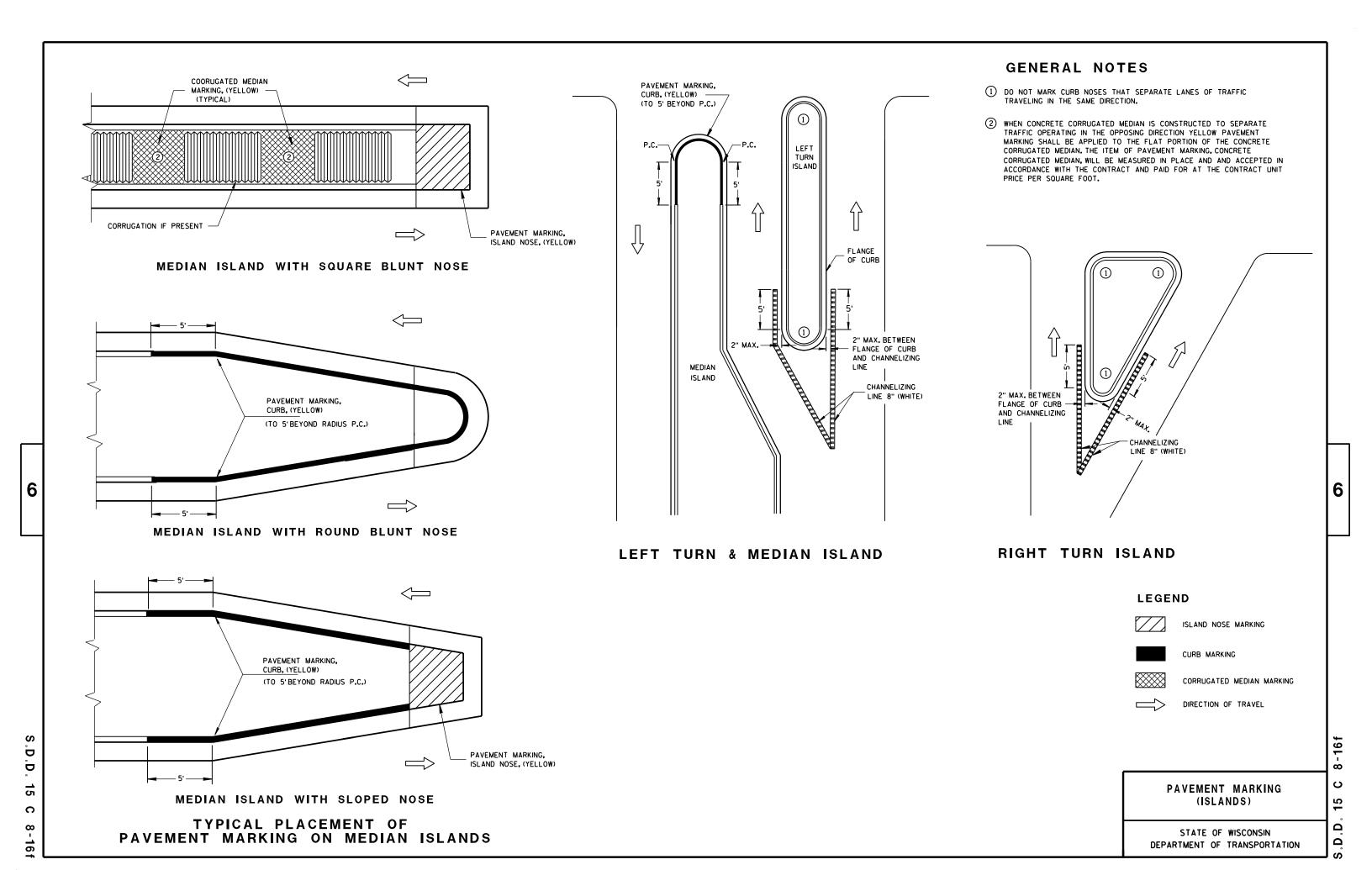


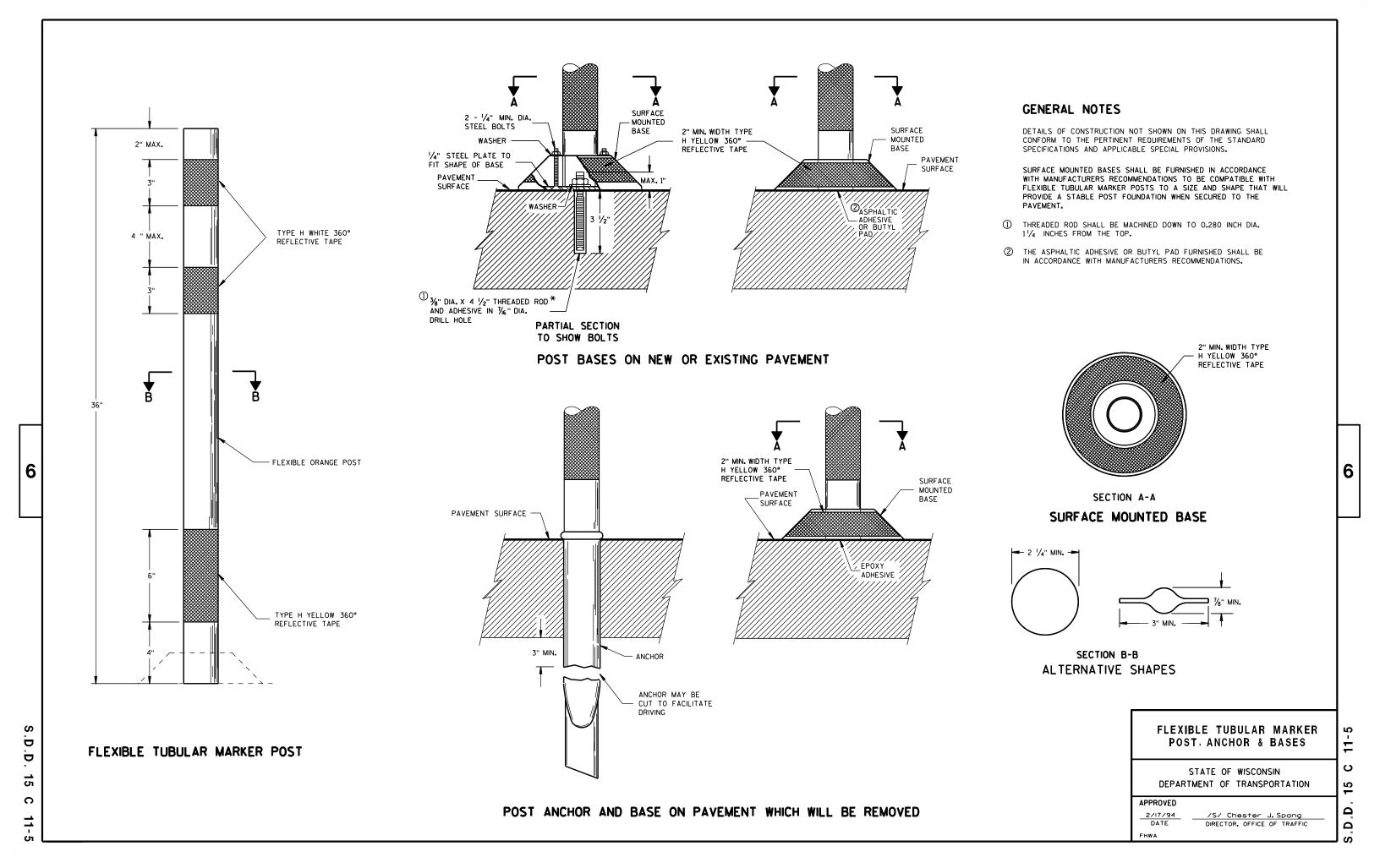




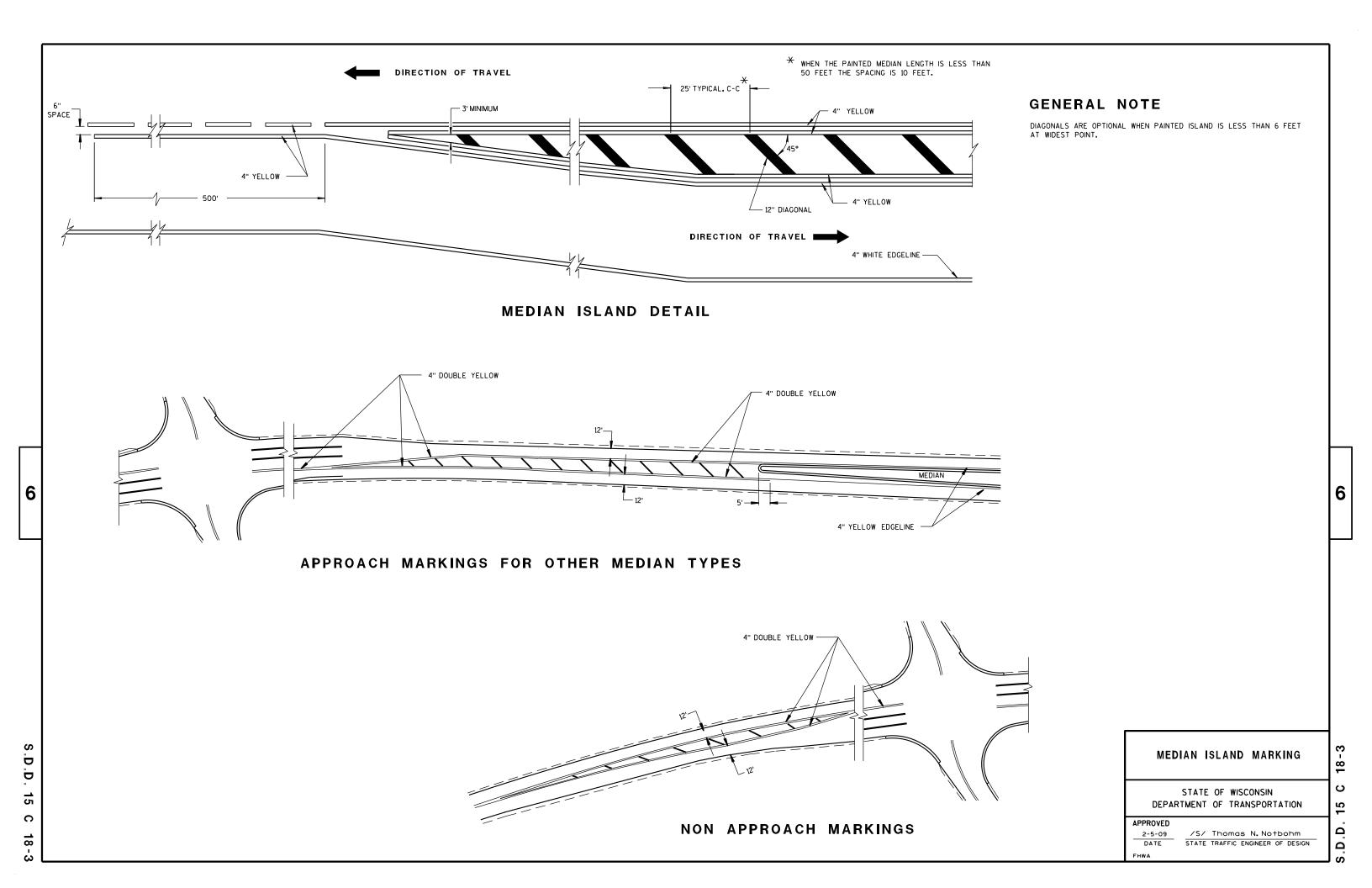


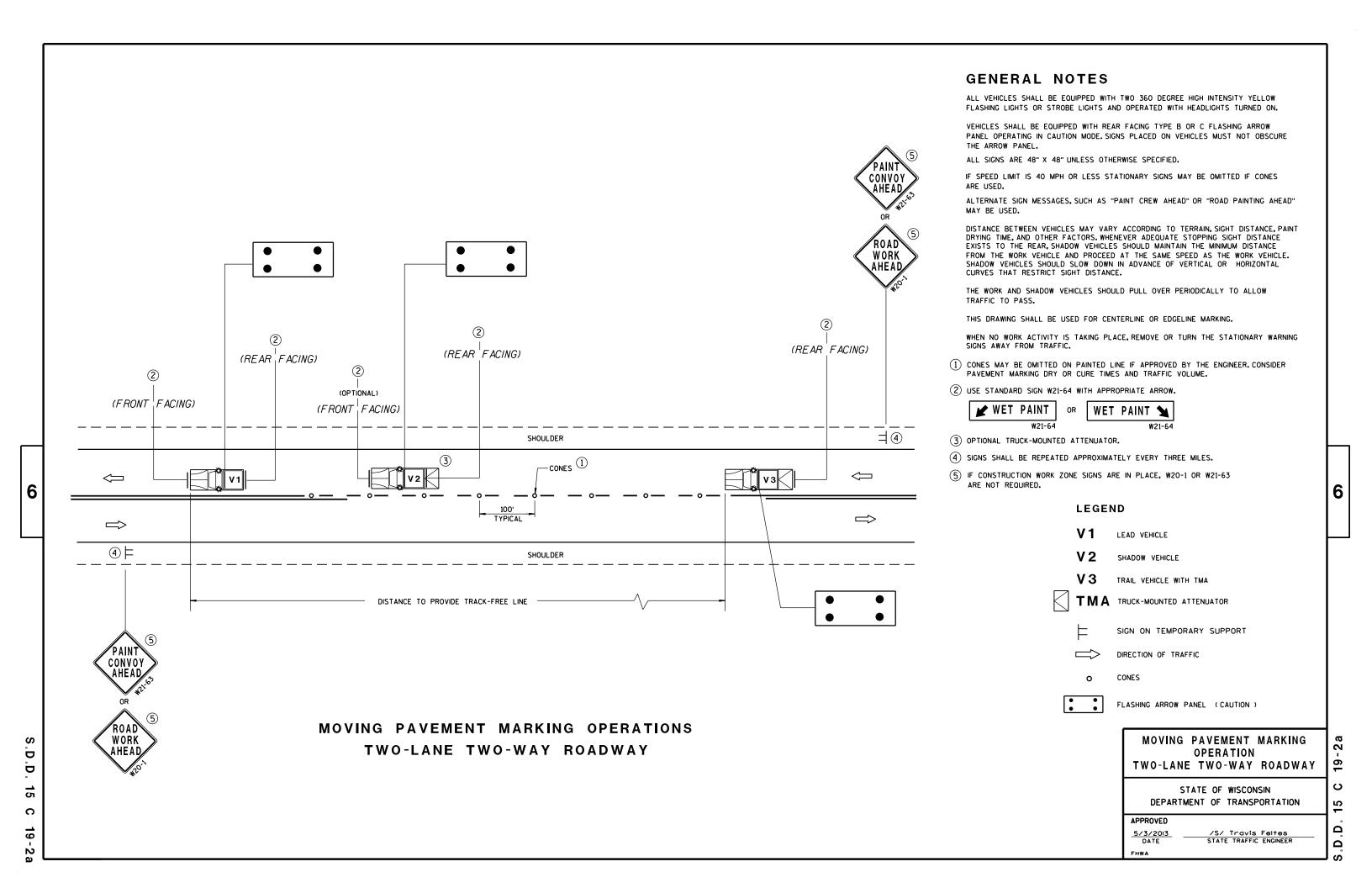


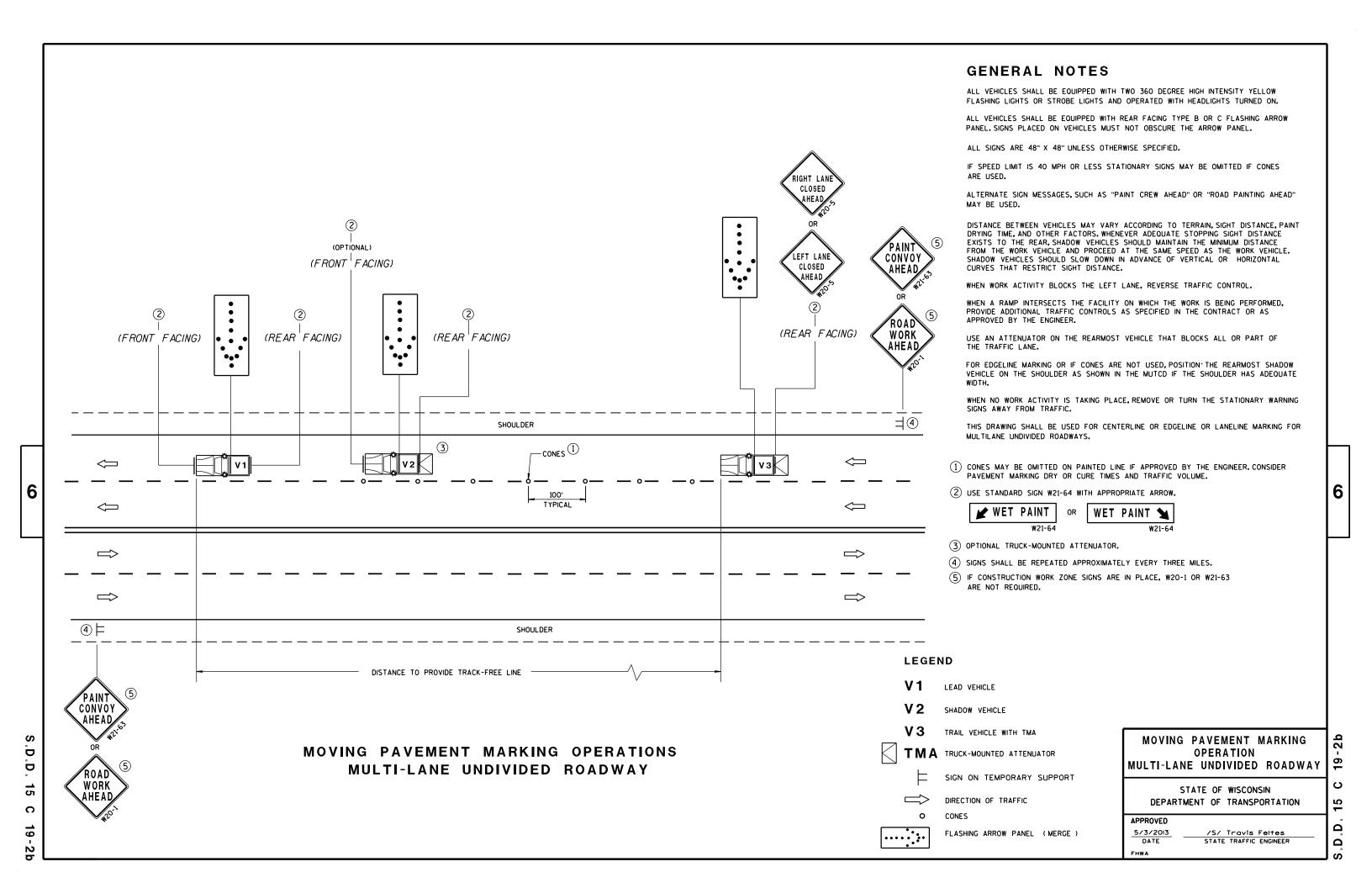


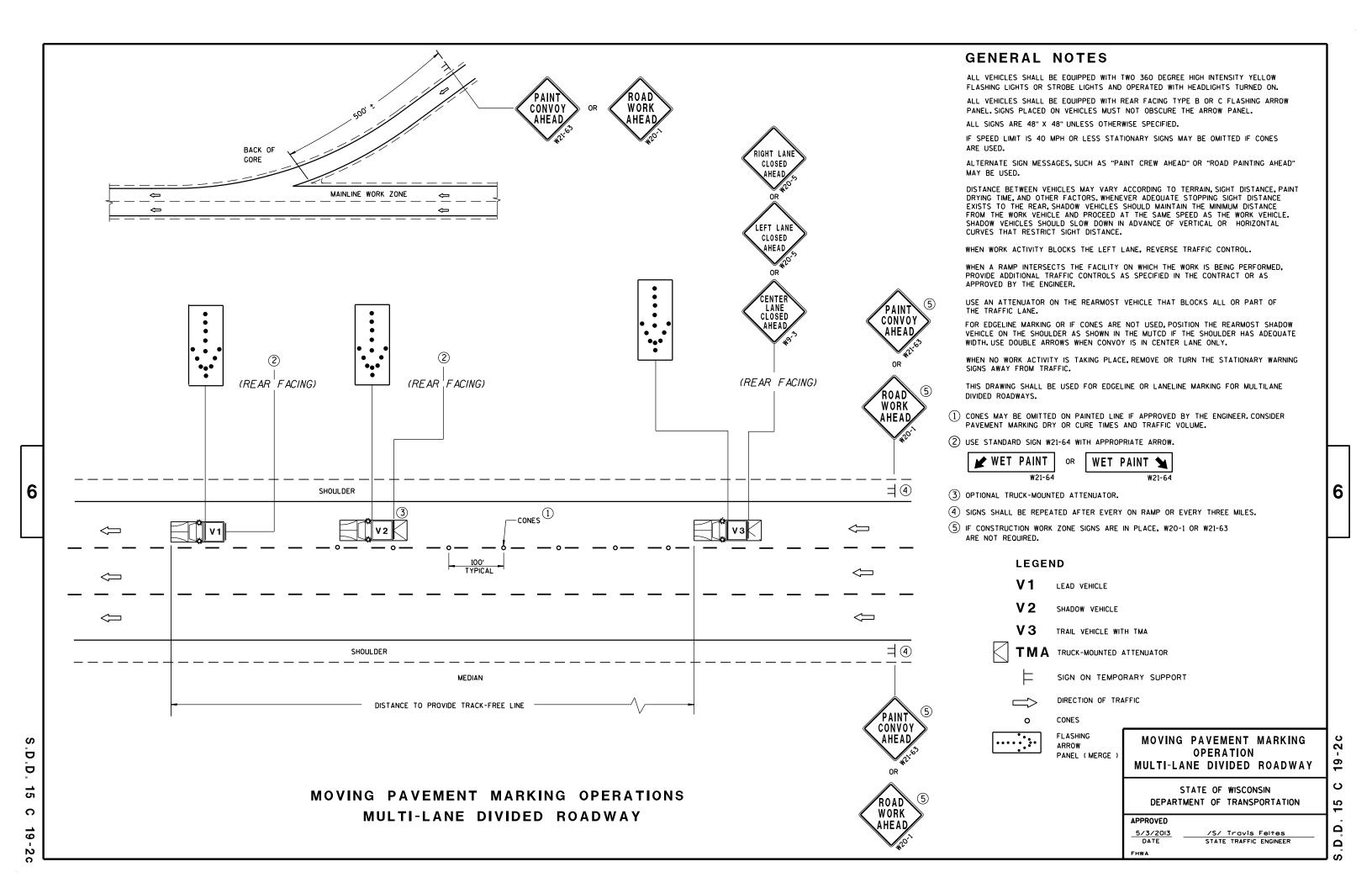


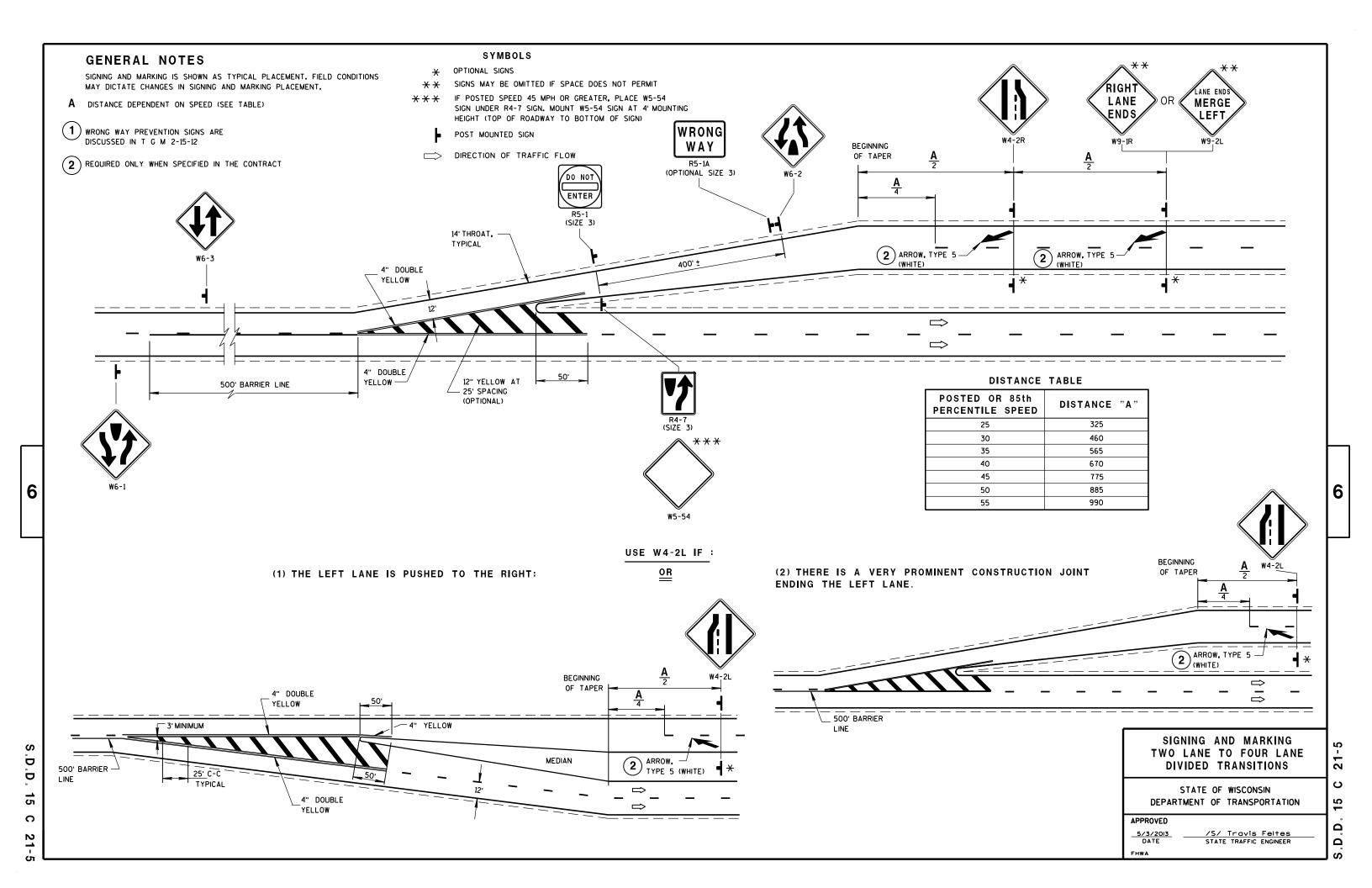


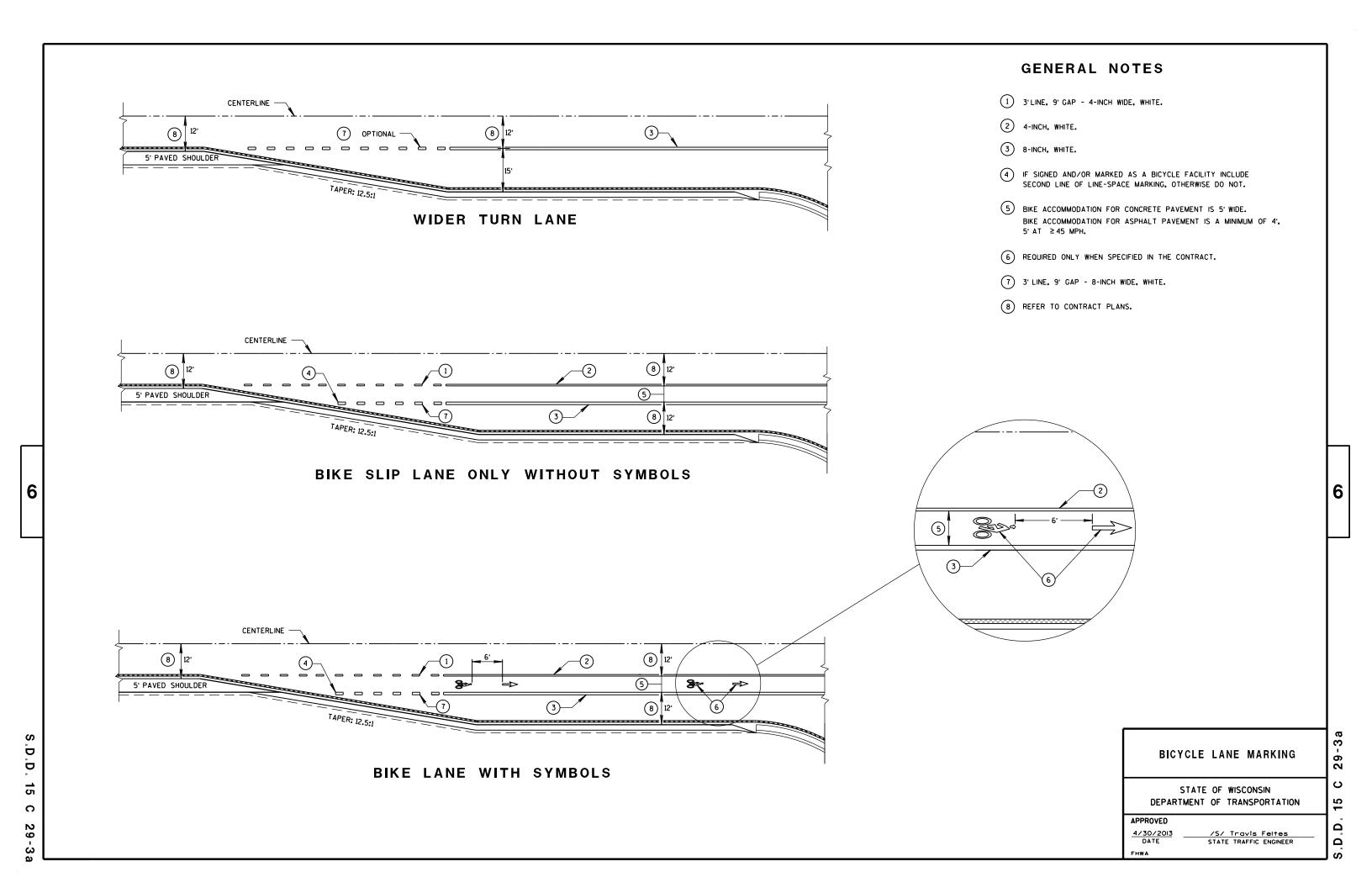


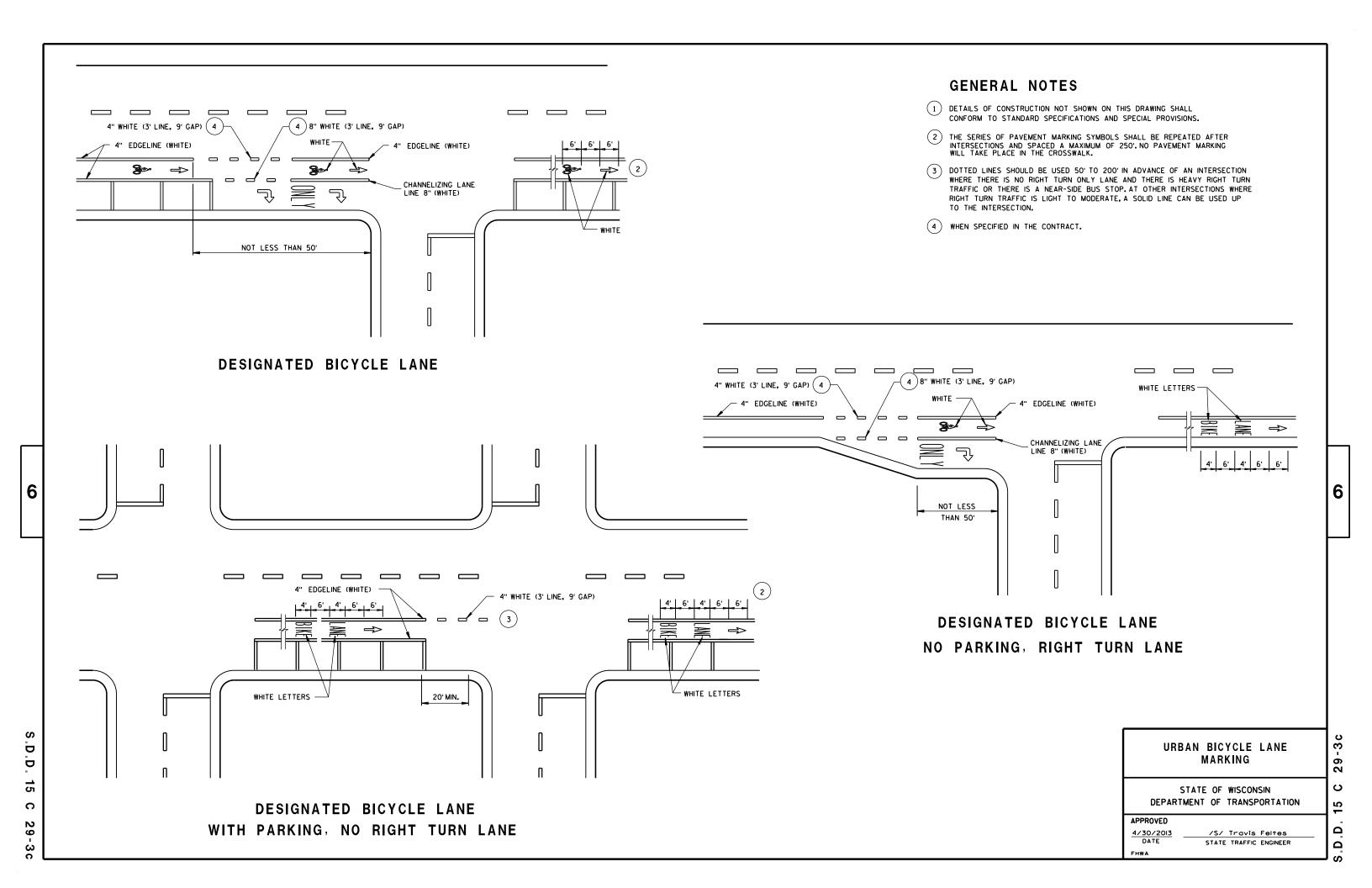








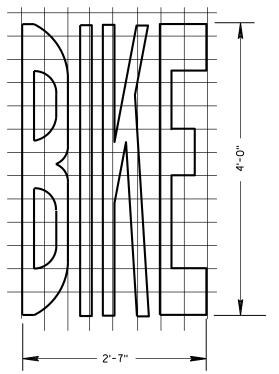




## **GENERAL NOTES**

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

ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.



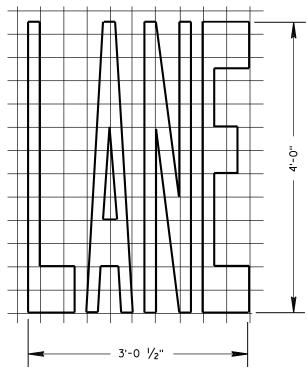
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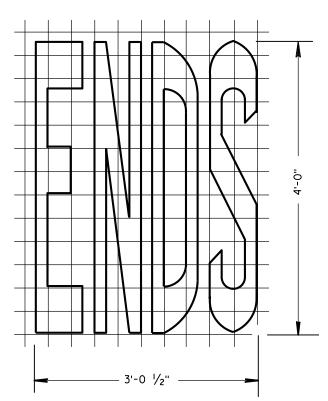
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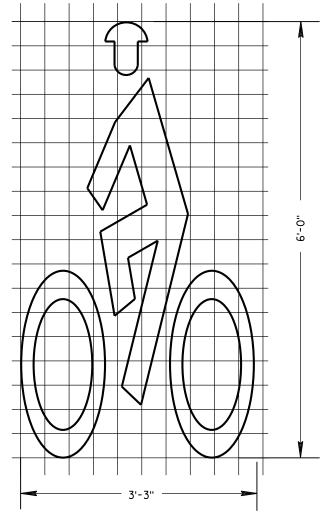
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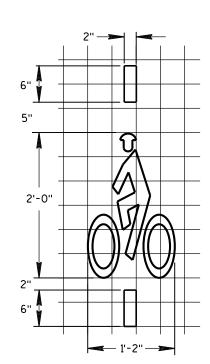




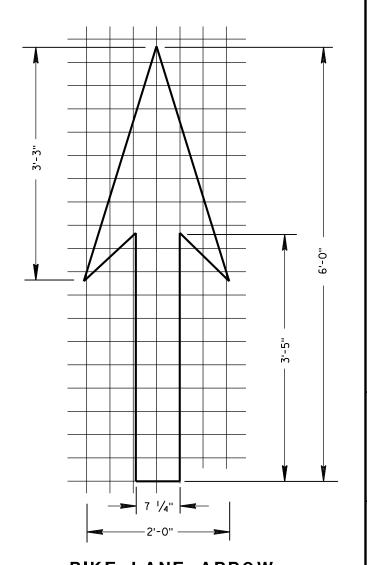
BIKE LANE WORDS



**BIKE LANE SYMBOL** 



BICYCLE DETECTOR PAVEMENT MARKING



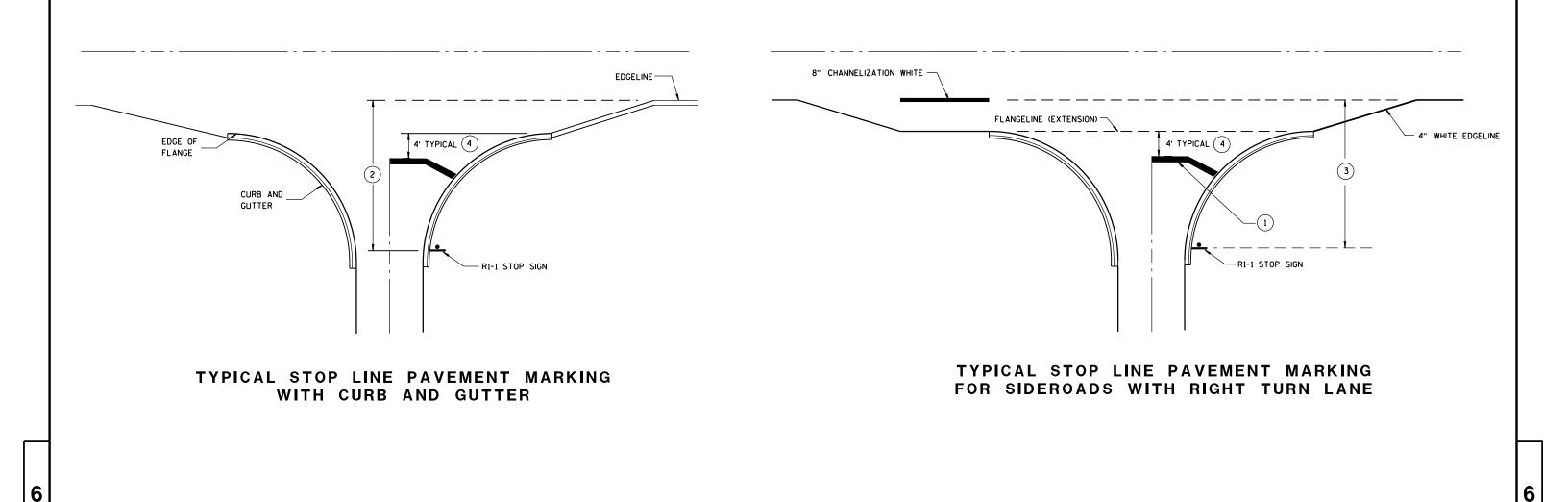
**BIKE LANE ARROW** 

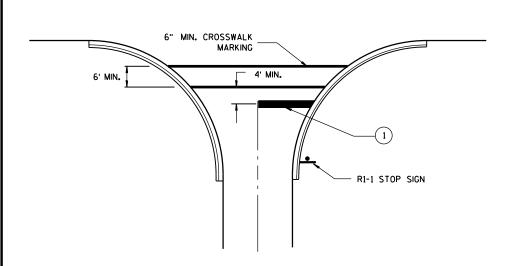
PAVEMENT	MARKING	FOR	
BIKE	LANES		

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

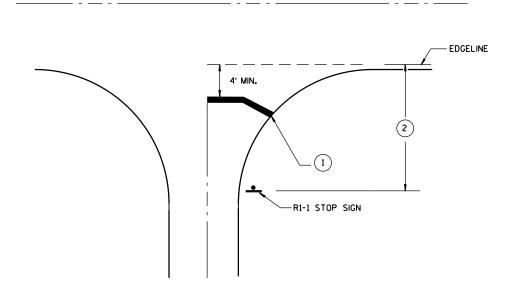
APPROVED	
4-30-2013	/S/ Travis Feltes
DATE	STATE TRAFFIC ENGINEER

S.D.D. 15 C 2





TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

## GENERAL NOTES

- 1 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE PROJECT ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
- 2 IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE THAN NO STOP LINE IS REQUIRED.
- (3) IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION THAN NO STOP LINE IS REQUIRED.
- MOVE CLOSER TO EDGE OF TRAVEL LANE AS NEEDED FOR VISIBILITY AND SIGHT LINES.

# STOP LINE AND CROSSWALK PAVEMENT MARKING

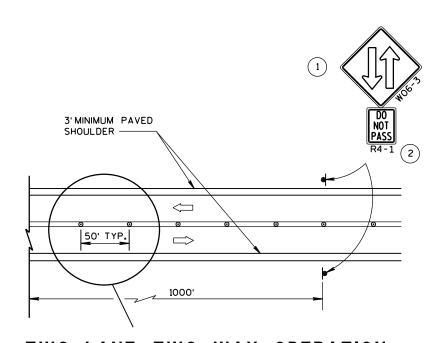
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

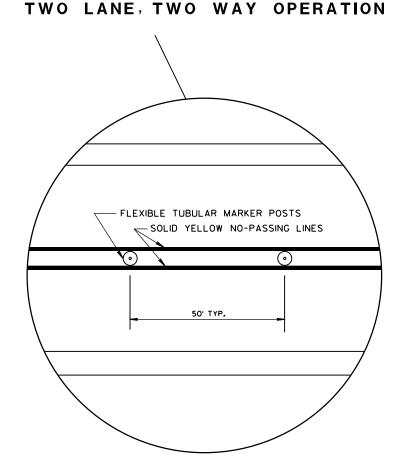
APPROVED	
4/30/2013	/S/ Travis Feltes
DATE	STATE TRAFFIC ENGINEER
FHWA	

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### **GENERAL NOTES**

ALL SIGNS ARE 48"×48" UNLESS OTHERS NOTED.

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE 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.

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

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

A SINGLE ROW OF FLEXIBLE TUBULAR MARKERS ON CENTERLINE EXTEND FOR THE ENTIRE LENGTH OF TWO-WAY TRAFFIC AT 50-FOOT SPACING.

COVER EXISTING CENTERLINE STRIPE WITH TEMPORARY PAVEMENT MARKING, 4-INCH DOUBLE YELLOW.





THE WO6-3 WITH THE WO57-51 SHALL BE LOCATED 200 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP AND/OR 500 FEET BEYOND ANY SIDEROAD. THE WO6-3 WITH THE R4-1 SHALL BE LOCATED 1000 FEET BEYOND THE WO6-3 AND THE WO57-51 AND THE SIGNS SHALL BE ALTERNATED WITH ONE MILE INTERVALS BETWEEN WO6-3 SIGNS.

CONVENTIONAL: 24"×30" FREEWAY AND EXPRESSWAY: 36"×48"

#### LEGEND

SIGN ON PERMANENT SUPPORT

DELINEATOR FLEXIBLE/TUBULAR MARKER

DIRECTION OF TRAFFIC

TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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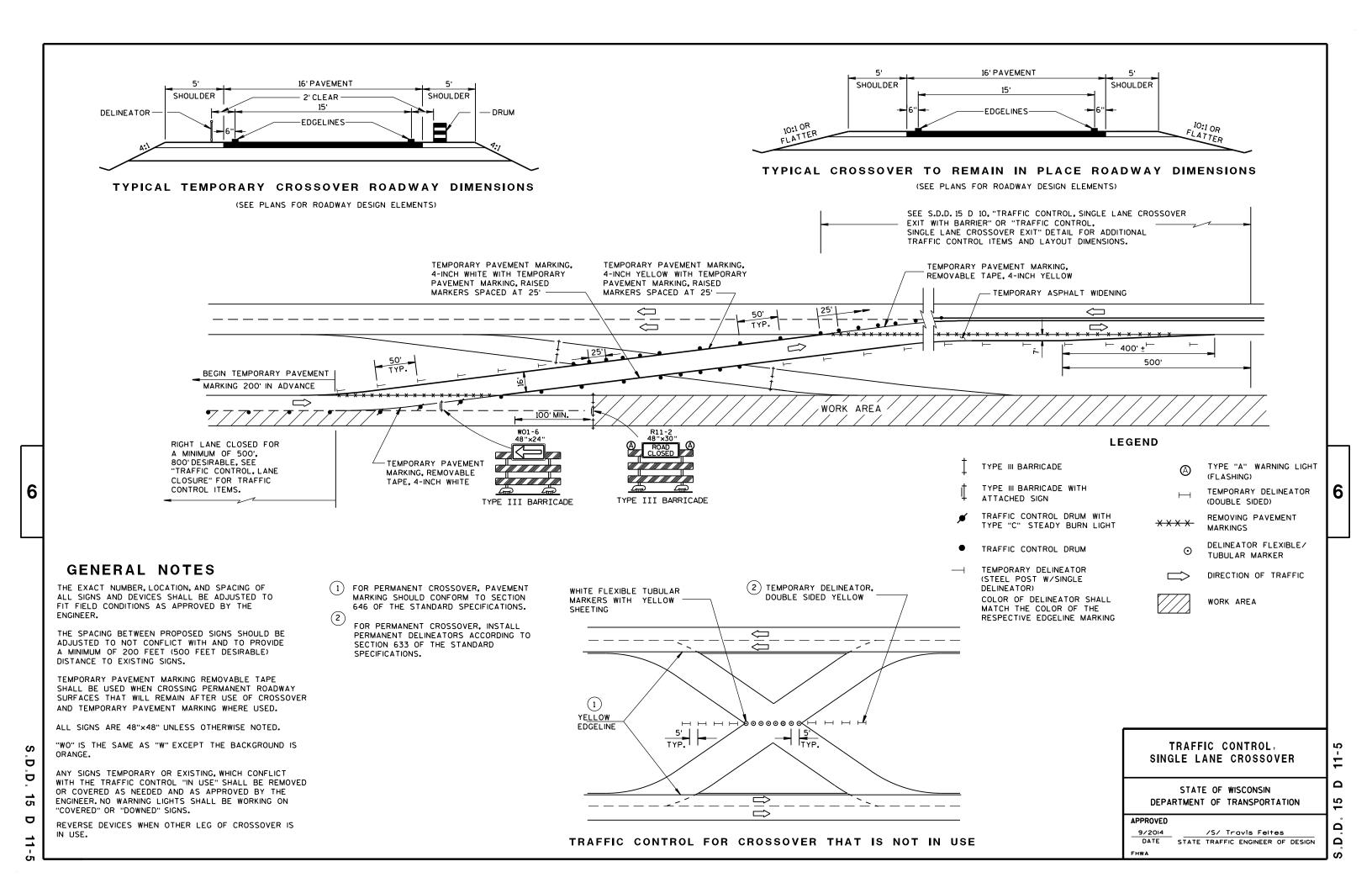
BAZOI3 /S/ Travis Feltes

DATE STATE TRAFFIC ENGINEER OF DESIGN /S/ Travis Feltes

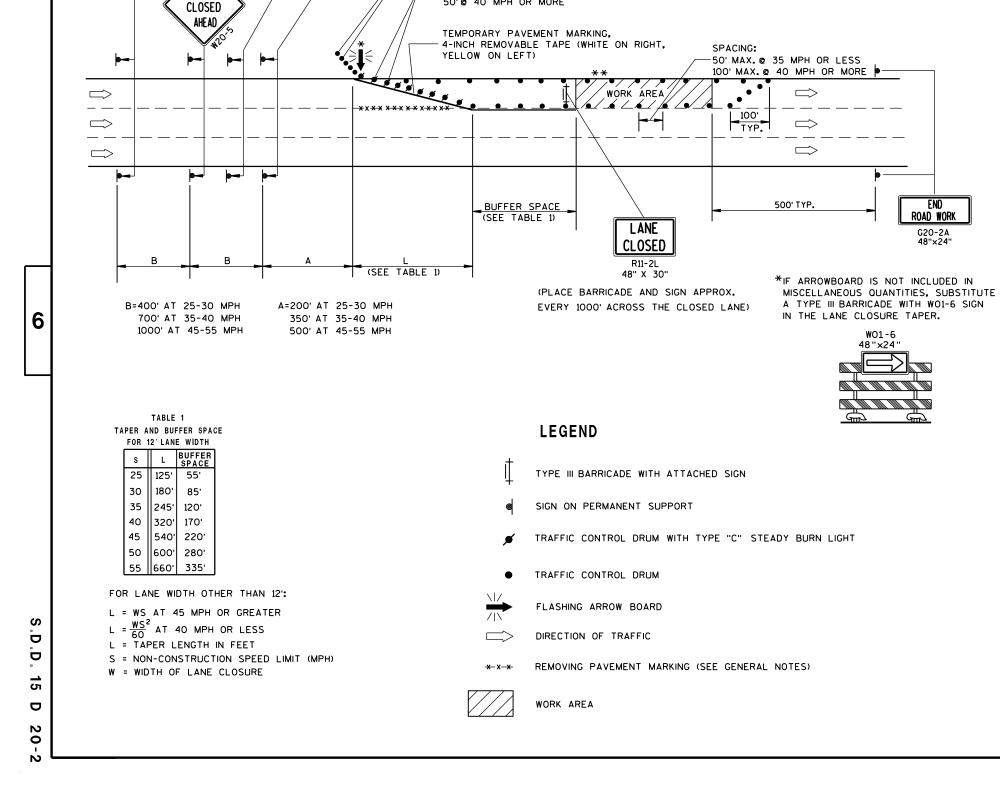
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(5) DRUMS SPACED @ 10'

INTERVALS AS NEEDED IN

FRONT OF ARROW BOARD

25' @ 35 MPH OR LESS 50' @ 40 MPH OR MORE

SPACING:

ROAD WORK

NEXT\_\_\_MILES

G20-1

60" X 24"

AHEAD

### **GENERAL NOTES**

\*\*THE LINE OF DRUMS SHOWN ALONG THE MEDIAN/CENTERLINE

ADJACENT TO THE WORK AREA. FOR THIS CONDITION INSTALL

W20-1 "ROAD WORK AHEAD" SIGN FOR OPPOSING DIRECTION OF

IS REQUIRED ONLY WHERE THERE IS OPPOSING TRAFFIC

TRAFFIC. IN ADVANCE OF THE WORK AREA.

THIS LANE CLOSURE DETAIL IS TYPICAL FOR CLOSING THE LEFT LANE, FOR A RIGHT LANE CLOSURE, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

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

ALL SIGNS ARE 48"×48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY DISTRICT TRAFFIC UNIT.

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

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

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.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

ON UNDIVIDED ROADWAYS, OMIT THE SIGNS SHOWN ON LEFT SIDE OF ROAD.

W2O-1, G2O-1 AND G2O-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROWBOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROWBOARDS AND LANE CLOSURE DRUMS.

PLACE THE ARROWBOARD AS CLOSE AS POSSIBLE TO THE BEGINNING OF THE LANE CLOSURE TAPER, PREFERABLY ON THE SHOULDER OR TERRACE.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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

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

TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY

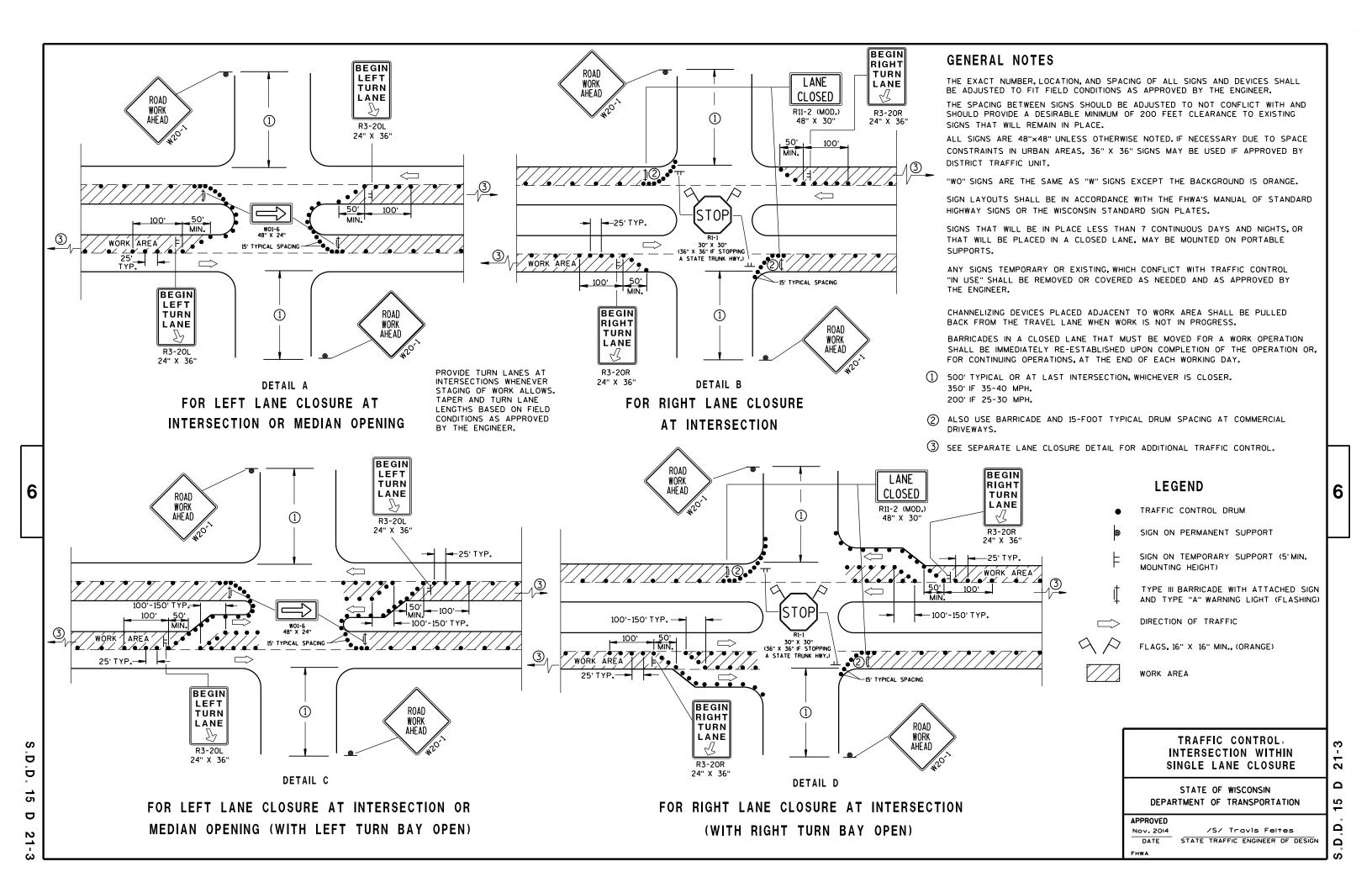
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

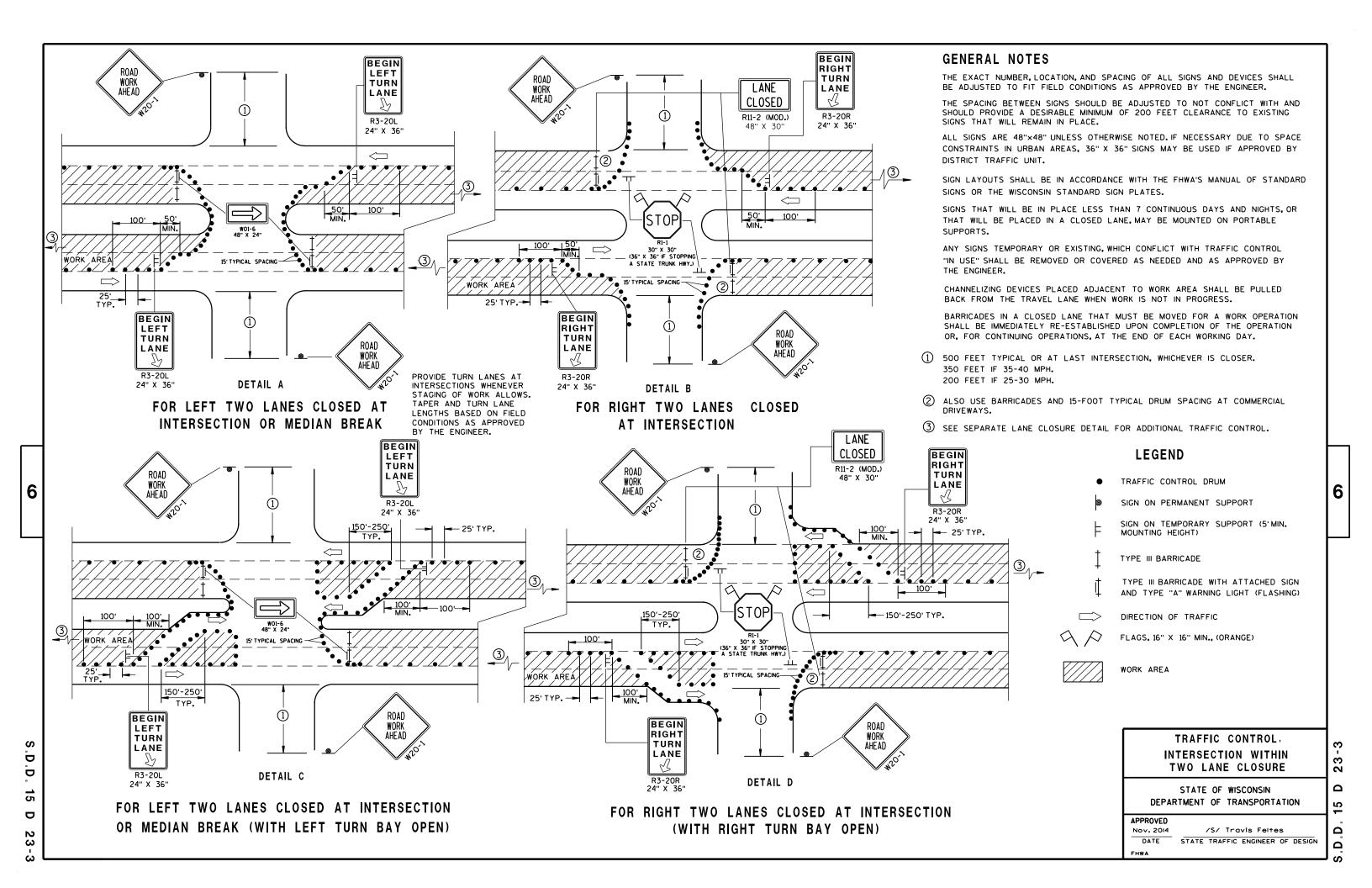
APPROVED

8/2013 /S/ Travis Feites

DATE TRAFFIC ENGINEER OF DESIGN

S.D.D. 15 D 2

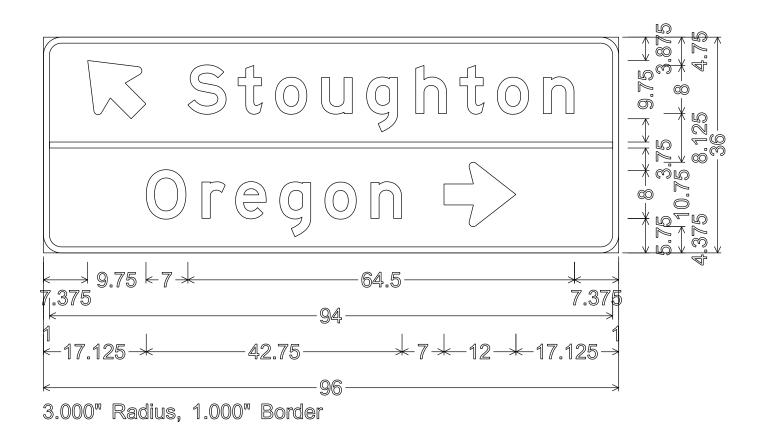


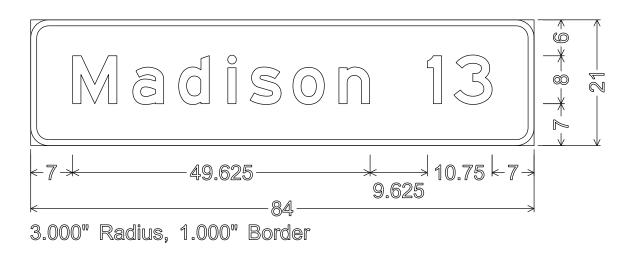


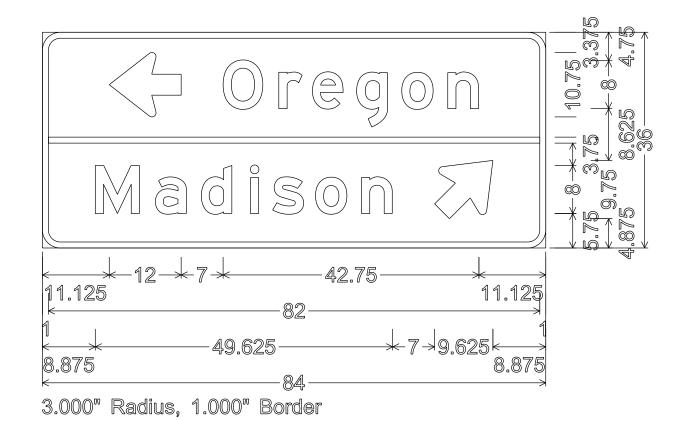
- 1. Sign is Type II Type H Reflective
- 2. Color:

Background - Green Message - White

3. Message Series - E







PROJECT NO: 5845-01-61 HWY: USH 51 COUNTY: DANE PERMANENT SIGNING SHEET NO: | E

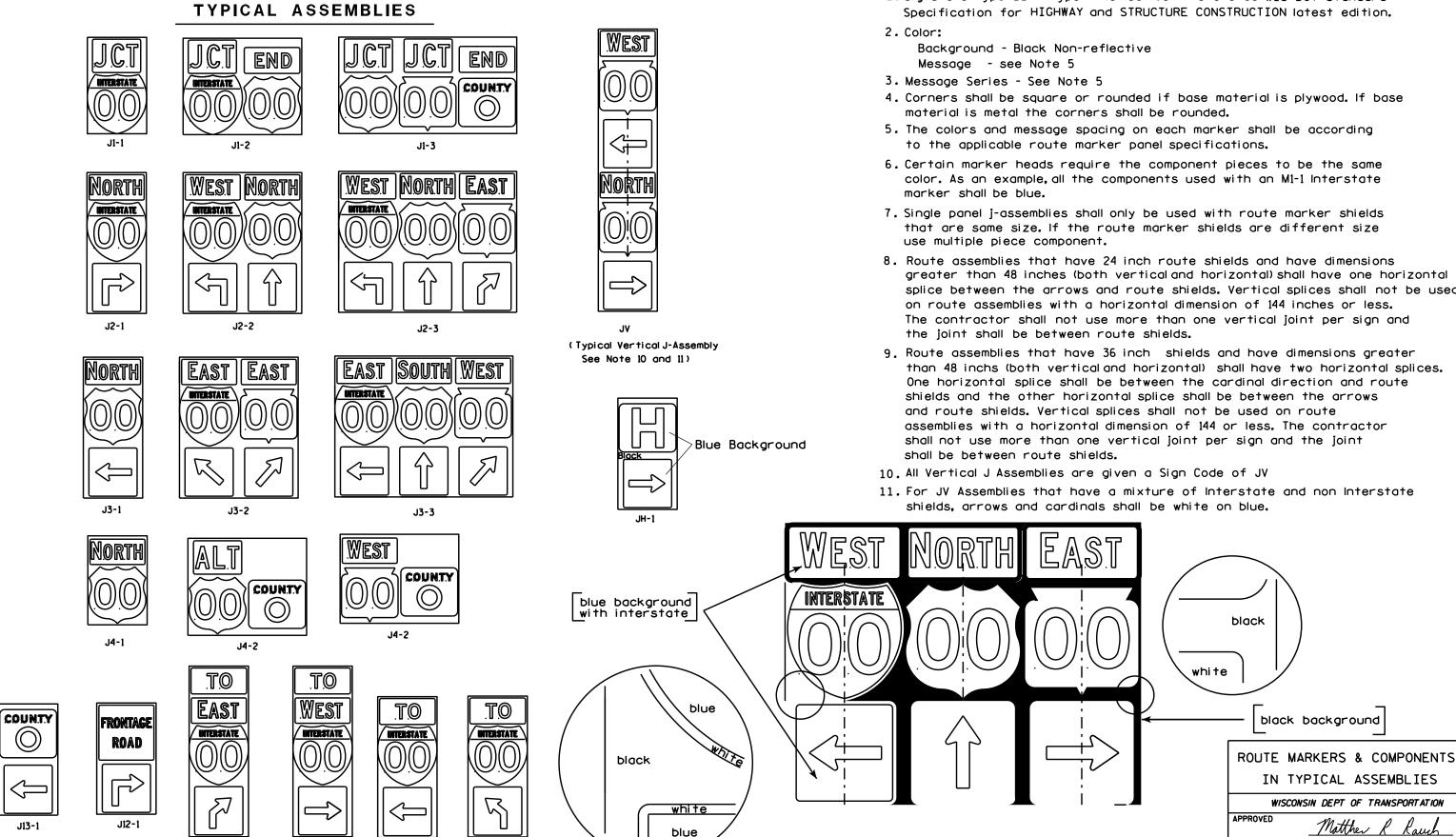
PLOT NAME :

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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

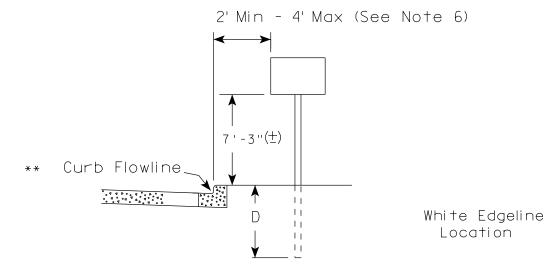
PLATE NO. \_\_A2-15.8

DATE 2/06/14

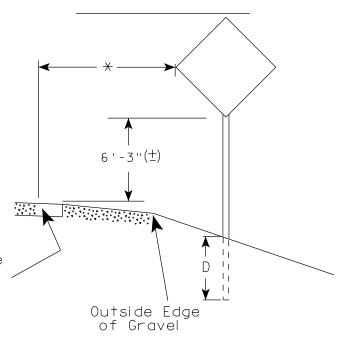
SHEET NO:



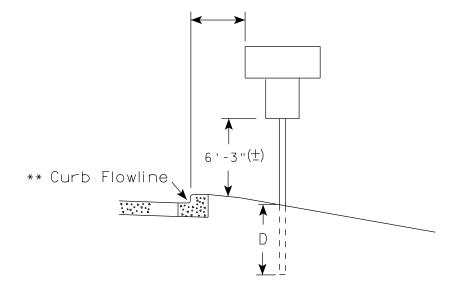
# URBAN ARFA



RURAL AREA (See Note 2)



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



5'-3"(生) White Edgeline  $D^{-1}$ Location Outside Edae 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.

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: mscsja

## GENERAL NOTES

- 1. Signs wider than 4 feet, 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 11/12/14

PROJECT NO: FILE NAME : C:\CAEFiles\Projects\tr\_stdplate\A43.DGN COUNTY:

PLOT DATE: 12-NOV-2014 14:03

PLOT NAME :



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

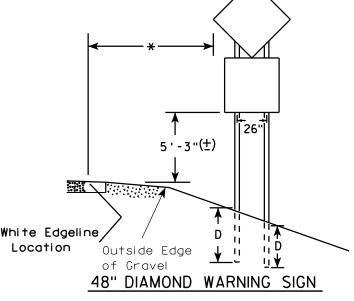
## GENERAL NOTES

- 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 or 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

# 2'Min - 4'Max (See Note 6) 6 ' - 3 "(±) Curb Flowline. 48" DIAMOND WARNING SIGN

D 11



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

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

HWY:

White Edgeline,

Location

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

Location

Outside Edae

of Gravel

#### POST EMBEDMENT DEPTH

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

PLATE NO. A4-4.13

FILE NAME : C:\CAEFiles\Projects\tr\_stdplate\A44.DGN

PROJECT NO:

PLOT DATE: 12-NOV-2014 14:01

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 107.021305:1.000000

WISDOT/CADDS SHEET 42

SHEET NO:

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE 11/12/14





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

DATE 2/05/15

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

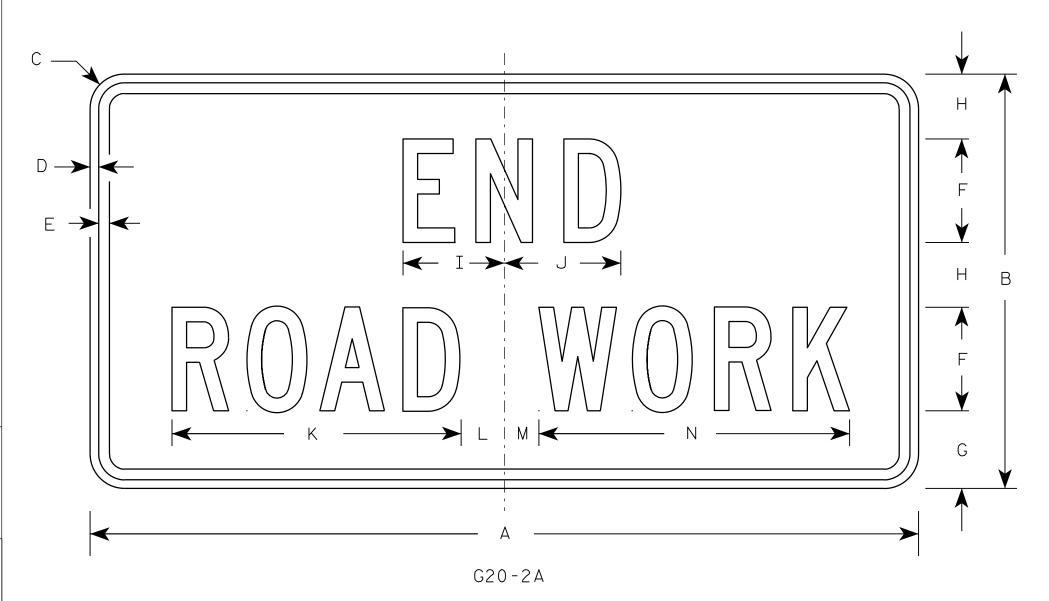
For State Traffic Engineer

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

2. Color:

Background - Orange Message - Black

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



Metric equivalent for this sign is:

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

COUNTY:

STANDARD SIGN G20-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED AND UN A O N

Matther R Lauch

For State Traffic Engineer

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

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\G202A.DGN

HWY:

PROJECT NO:

PLOT DATE: 30-SEP-2009 09:31

PLOT BY: ditjph

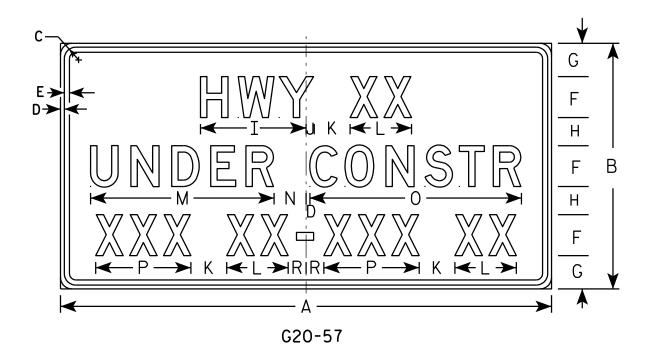
PLOT NAME :

PLOT SCALE: 5.561773:1.000000

- 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. Substitute appropriate numeral and adjust spacing to achieve proper balance.



Metric equivalent for this sign is:

SIZE 2 2400 mm X 1200 mm 5

SIZE	Α	В	С	D	Ε	F	G	н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	٧	w	X	Y	Z	Area sq. ft.	Area m2
1																												
2																												
3																												
4	96	48	2 1/4	3∕4	1	8	6 1/2	5 1/2	20 %	1 1/8	7	12	35 %	6 1/4	41 3/8	18 %		3 1/2									32.0	2.88
5																												

COUNTY:

STANDARD SIGN G20-57

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE 7/13/09

PLATE NO. G20-57.2

SHEET NO:

FILE NAME : c:\Users\PROJECTS\tr\_stdplate\G2057.DGN

PROJECT NO:

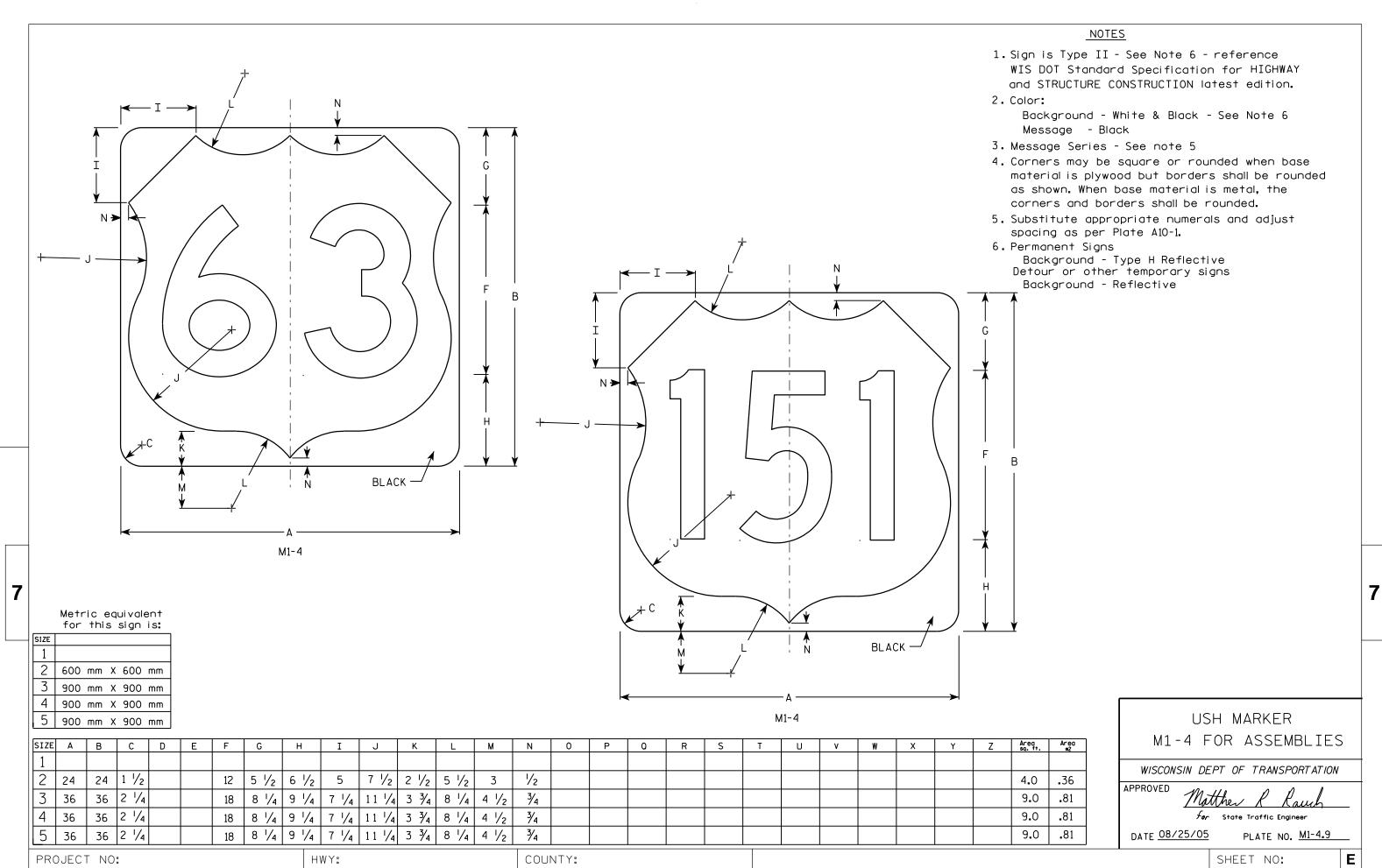
HWY:

PLOT DATE: 13-JUL-2009 10:50

PLOT BY: dotsja

PLOT NAME :

PLOT SCALE: 18.770987:1.000000



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

HWY:

900 mm X 900 mm

5 900 mm X 900 mm

PROJECT NO:

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

COUNTY:

STATE ROUTE MARKER
M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

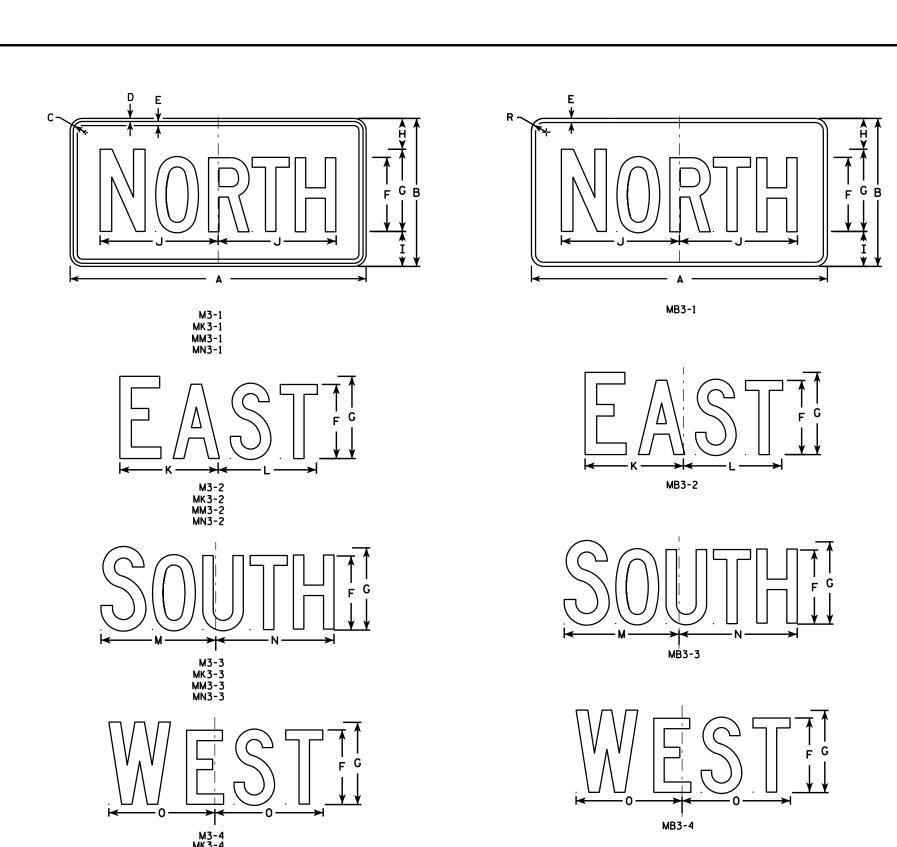
The state Traffic Engineer

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

SHEET NO:

\_\_\_\_

PLOT NAME :



- 1. 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

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

					MN3-4																					
SIZE	Α	В	С	D	E	F	G	Н	I	J K	L	М	N	0	Р	0	R	S	T	U	v	W	Х	Y	Z	Areq sq. ft.
SIZE 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

Matther & Rauch

For State Traffic Engineer

DATE 6/30/14 PLATE NO. M3-1.13

SHEET NO:

07.001/5...14.675054.4.000000

FILE NAME : C:\CAEFiles\Projects\tr\_stdplate\M31.DGN

HWY:

PROJECT NO:

PLOT DATE: 30-JUN-2014 12:53

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 11.675051:1.000000

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

Background - See note 4 Message - See note 4

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. M5-1 and M5-2 Background White Type H Reflective Message Black
  - MB5-1 and MB5-2 Background Blue

    Message White Type H Reflective
  - MG5-1 and MG5-2 Background Green

    Message White Type H Reflective
  - MK5-1 and MK5-2 Background Green
    - Message White Type H Reflective
  - MM5-1 and MM5-2 Background White Type H Reflective Message Green
- MN5-1 and MN5-2 Background Brown

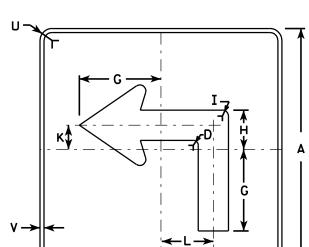
Message - White - Type H Reflective

- M05-1 and M05-2 Background Orange Type F Reflective Message - Black
- MP5-1 and MP5-2 Background White Type H Reflective Message Blue
- MR5-1 and MR5-2 Background Brown
  - Message Yellow Type H Reflective
- 5. M5-1R same as M5-1L except arrow points right.
- 6. M5-2R same as M5-2L except arrow tilts right.

c —	
D → E →	
Į.	<b>←</b>
·	M5-2L
	MK5-2L

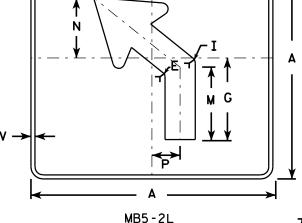
MK5-1L MM5-1L MO5-1L MP5-1L MR5-1L

M5-1L



MB5-1L MG5-1L MN5-1L

HWY:



MG5-2L

MN5-2L

MM5-2L

M05-2L

MP5-2L

MR5-2L

T A S

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	T	U	٧	₩	Х	Y	Z	Areo sq. fi
1																											
2	21		1 1/8	3%	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 %	5 1/4	5	2 1/2		1/2	2 %	3	1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 1/8	4 1/8	<b>7</b> /8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 1/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 1/8	4 1/8	<b>7</b> /8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 1/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 1/8	4 1/8	<b>½</b>		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 1/8	1/2					6.25

COUNTY:

STANDARD SIGN M5-1 & M5-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer
DATE 7/29/13 PLATE NO. M5-1.12

SHEET NO:

PROJECT NO:

PLOT NAME :

- 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

MG6-1 and MG6-2 Background - Green

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

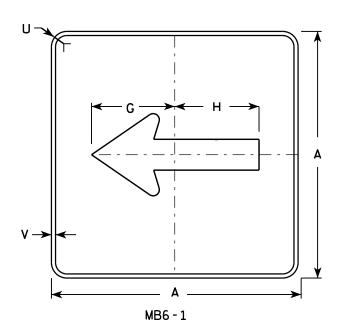
MR6-1 and MR6-2 Background - Brown

Message - Yellow

c —	
D ->	
	A
	M6 - 2
	MK 6 - 2



- MM6-2 MN6 - 2
- MO6-2
- MP6-2
- MR6-2



HWY:

M6 - 1

MK6-1

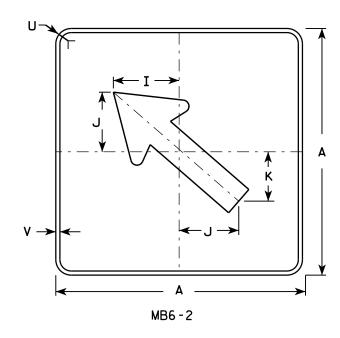
MM6 - 1

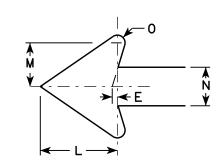
MN6-1

MO6 - 1

MP6-1

MR6-1





SIZE	Α	В	С	D	Е	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	٧	W	X	Y	Z	Area sq. ft.
1																											
2	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 %	1/2					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

DATE 7/03/14 PLATE NO. M6-1.14

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr\_stdplate\M61.DGN

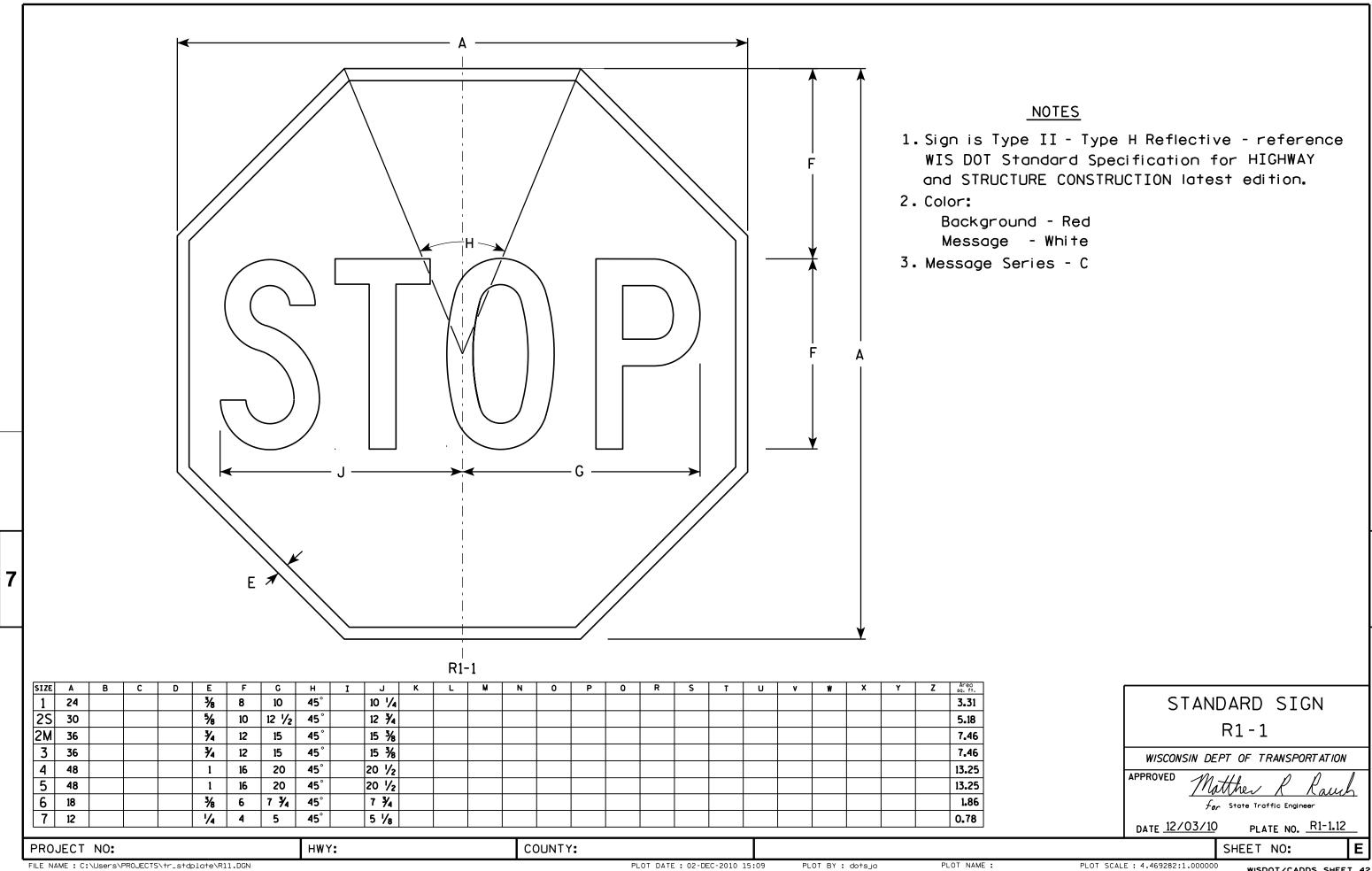
PROJECT NO:

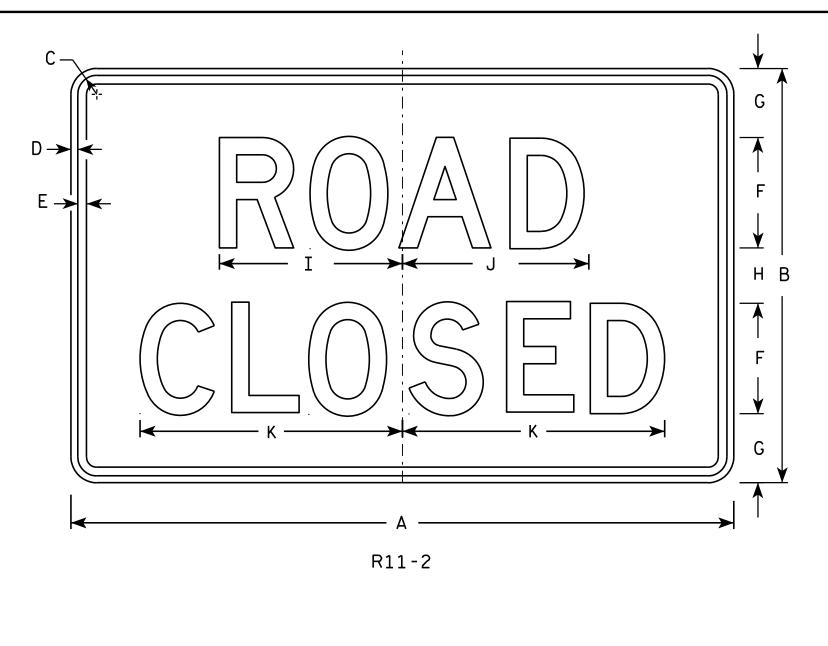
PLOT DATE: 03-JUL-2014 14:28

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 11.675051:1.000000



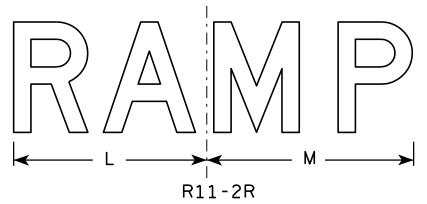


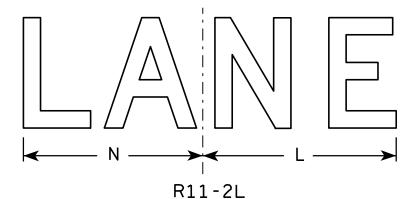
# <u>NOTES</u>

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

Background - White Message - Black

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





SIZE	A	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	Ρ	0	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
PRO	DJECT	NO:						HWY:					С	OUNTY	<b>':</b>												

STANDARD SIGN R11-2

WISCONSIN DEPT OF TRANSPORTATION

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

SHEET NO:

PLOT BY: mscj9h

- 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 - C

PLOT NAME :

- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. The border strip and word message are reflectorized red.

A	
	G
	\\ \ F \\ \ \ \
E	     B 
D D	
R1-2	

SIZE	Α	В	С	D	E	F	G	н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	V	W	Х	Y	Z	Area sq. ft.
1	30	26	1 1/2	5/8	4	2 1/2	6 3/8	<b>7</b> ⁄8	4	3 %																	2.71
25	36	31	2	3/4	5	3	7 3/4	1 1/4	4 3/4	4 3/8																	3.88
2M	48	42	3	1	6	4	9 3/4	2	6 1/4	5 %																	7.00
3	48	42	3	1	6	4	9 3/4	2	6 1/4	5 %																	7.00
4	48	42	3	1	6	4	9 3/4	2	6 1/4	5 %																	7.00
5	60	52	3	1 1/2	8	5	13	2 1/2	7 1/8	7 1/4																	10.83
6																											
7	18	15 1/2	1	3/8	2 1/2	1 1/2	3 1/8	5/8	2 3/8	2 1/4																	0.97

COUNTY:

STANDARD SIGN R1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew & Rauch

 $f_{or}$  State Traffic Engineer

3/14 PLATE NO. R1-2.12

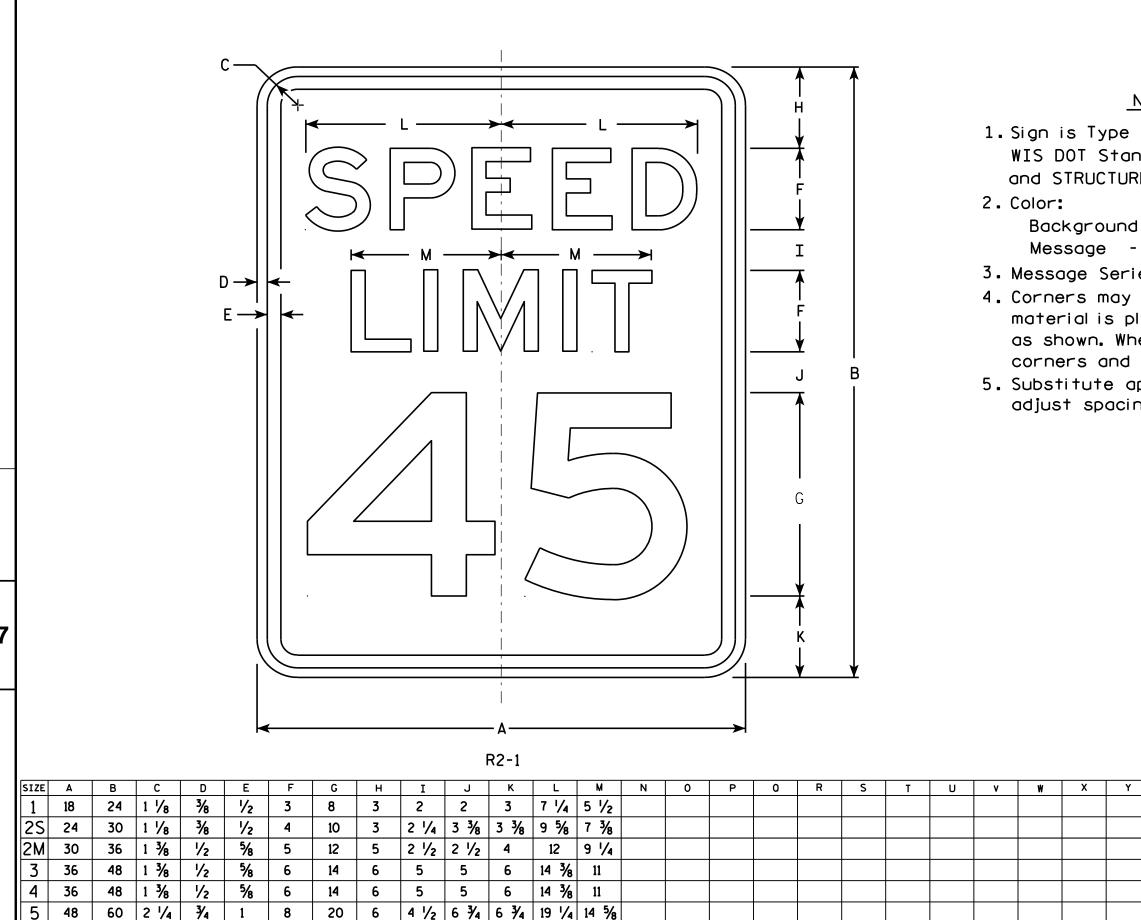
DATE 10/13/14 PLA

SHEET NO:

311221

PROJECT NO:

HWY:



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

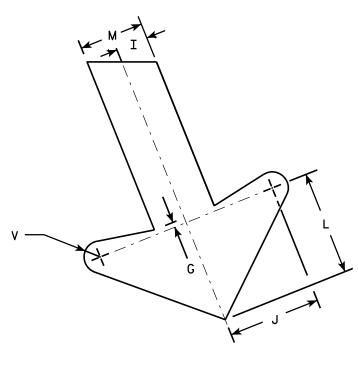
PLOT NAME :

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 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.



|--|

PLOT NAME :

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

COUNTY:

R3-20L

HWY:

М

М

0

STANDARD SIGN R3-20L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew K

for State Traffic Engineer

DATE 10/18/10

/18/10 PLATE NO. R3-20L.7

SHEET NO: E

PROJECT NO:

R3-20R

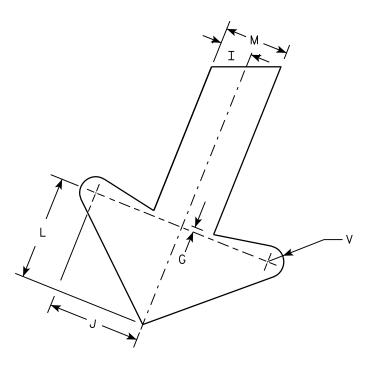
HWY:

### NOTES

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

Background - White Message – Black

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



ARROW	DETA	ال
-------	------	----

PLOT NAME :

																											1 4
SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	a	R	S	T	U	٧	W	Х	Y	Z	Area sq. ft.
1 1																											
25	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 1/8	2 %	3 1/4	2	1 ½	8 1/2	8 1/4		8 1/8	7	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 1/8	2 %	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 %	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 1/8	3	2 1/4	12 3/4	12 1/2		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

COUNTY:

STANDARD SIGN R3-20R

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer

SHEET NO:

DATE 10/18/10

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

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\R320R.DGN

PROJECT NO:

PLOT DATE: 15-OCT-2010 14:59

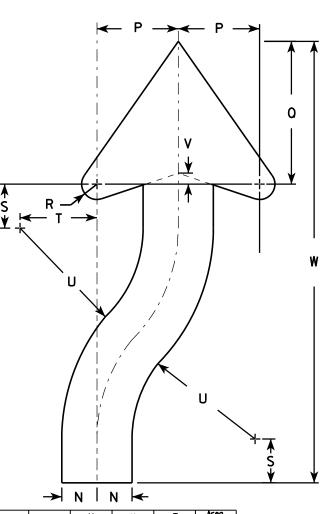
PLOT BY : dotsja

PLOT SCALE: 5.959043:1.000000

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

Background - White Message - Black

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



PLOT NAME :

ARROW DETAIL

																							$\rightarrow$	N I	N <del> </del>		
SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	W	Х	Y	Z	Areo sq. ft
1	18	24	1 1/8	3∕8	1/2	3 %	4 3/4	5 ½	1 3/8	2 1/4	6	3	9 3/8	1 1/2	22 1/2	3 1/2	6 1/8	5/8	1 %	3 1/4	6 3/4	1/2	20 ¾				3.0
2S	24	30	1 1/8	3∕8	1/2	4 1/2	6 1/4	7 3/8	1 %	3	8	4	12 1/2	2	30	4 %	8 1/8	<b>1</b> /8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
2M	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 1/8	3	8	4	12 1/2	2	30	4 %	8 1/8	7∕8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
3	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 1/8	4 1/2	12	6	18 ¾	3	45	6 %	12 1/4	1 1/4	3 3/4	6 %	13 1/2	1	40 ¾				12.0
4	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 1/8	4 1/2	12	6	18 ¾	3	45	6 %	12 1/4	1 1/4	3 3/4	6 %	13 ½	1	40 ¾				12.0
5	48	60	2 1/4	₹4	1	9	12 1/2	14 3/4	3 3/4	6	16	8	25	4	60	9 1/4	16 1/4	1 %	5	8 3/4	18	1 1/4	50 1/4				20.0

COUNTY:

R4-7

STANDARD SIGN R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer

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

SHEET NO:

PROJECT NO:

D→

HWY:

# <u>NOTES</u>

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

Background - See detail Message - White - Type H Reflective

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

Whi te Red White R5-1

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

COUNTY:

STANDARD SIGN R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

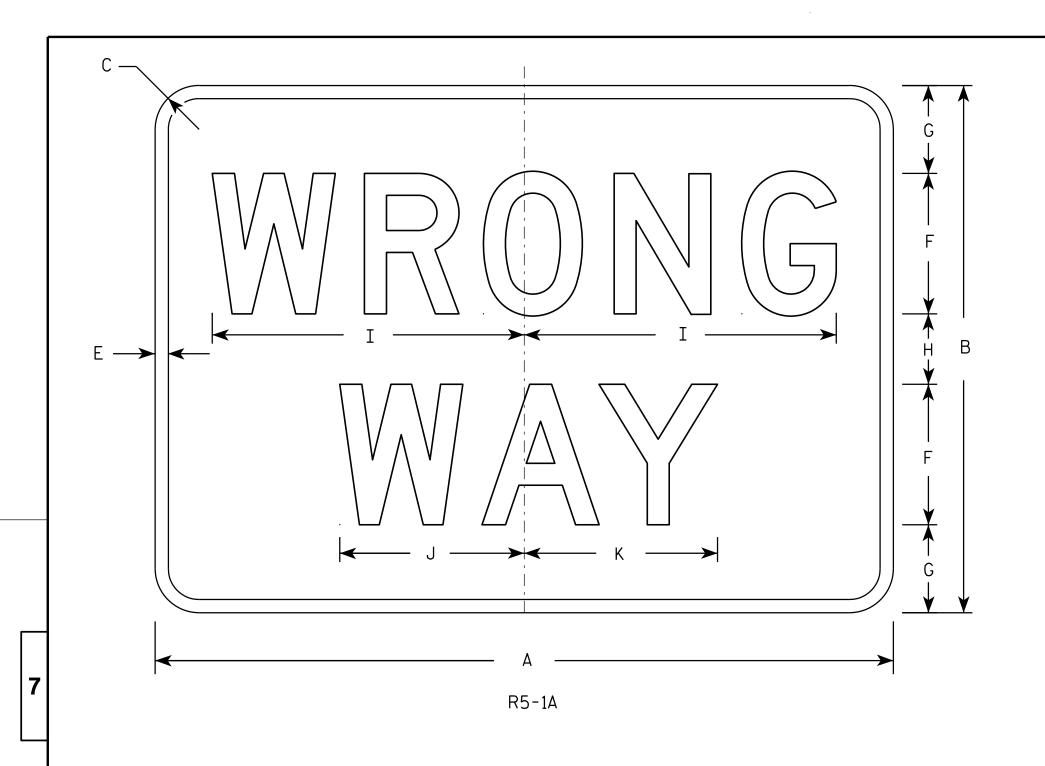
DATE 12/17/10 PLATE NO. R5-1.15

SHEET NO:

PROJECT NO:

HWY:

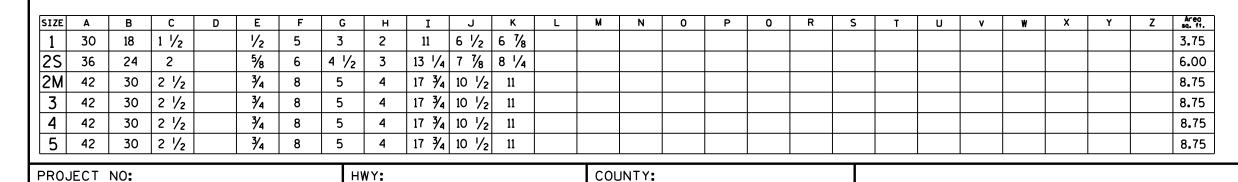
PLOT NAME :



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

Background - Red Message - White

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



STANDARD SIGN R5-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Raud

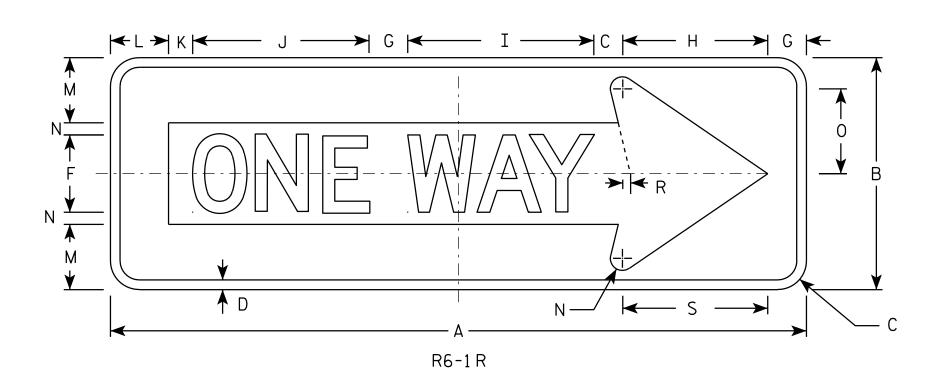
For State Traffic Engineer PLATE NO. R5-1A.2

DATE 12/17/10

SHEET NO:

PROJECT NO:

PLOT NAME :

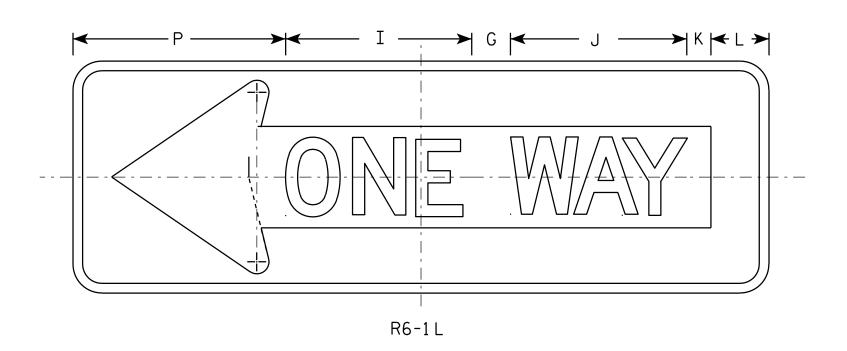


- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - BLACK

Message - BLACK LEGEND & WHITE ARROW & BORDER

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



SIZE	A	В	С	D	Ε	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Areo sq. fi
1																											
25	36	12	1 1/2	1/2		4	2	7 1/2	9 %	9 1/8	1 1/4	3	3 %	5/8	4 3/8	11		3/8	7 1/2								3.0
2M	54	18	2 1/4	3/4		6	3	11 1/4	14 1/2	13 %	1 1/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.7
3	54	18	2 1/4	3/4		6	3	11 1/4	14 1/2	13 %	1 1/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.7
4	54	18	2 1/4	3/4		6	3	11 1/4	14 1/2	13 %	1 1/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
5																											

STANDARD SIGN R6-1 L & R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE 12/17/10

PLATE NO.R6-1.2 SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\R61.DGN

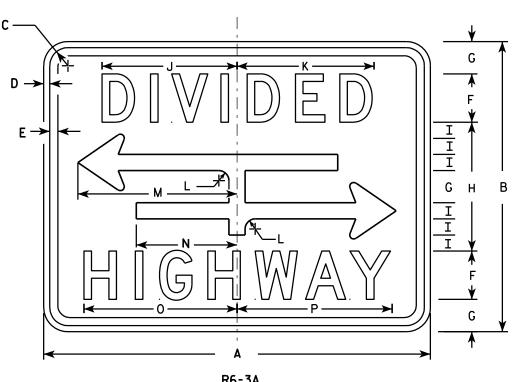
PROJECT NO:

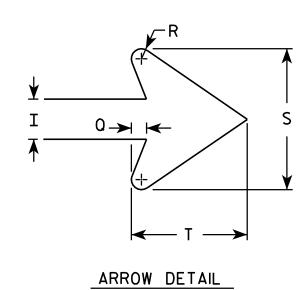
# <u>NOTES</u>

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

Background - White Message - Black

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





SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	P	0	R	S	T	U	٧	W	X	Y	Z	Area sq. ft.
1	24	18	11/8	3/8	3/8	3	2	8	1	8 3/8	8 1/2	5/8	9 %	6 1/4	9 1/2	9 %	3/8	1/4	3 1/2	2 3/4							3.0
2S	30	24	11/8	3/8	1/2	4	2 %	10 ¾	1 3/8	10 1/2	10 %	<b>7</b> /8	12 1/2	7 1/8	12 1/4	12 3/8	1/2	3/8	4 %	3 %							5.0
2M	30	24	11/8	3/8	1/2	4	2 %	10 ¾	1 3/8	10 1/2	10 %	<b>7</b> ⁄8	12 1/2	7 1/8	12 1/4	12 3/8	1/2	3/8	4 %	3 %							5.0
3																											
4																											
5																											
					•										•												

STANDARD SIGN R6-3 & R6-3A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

for State Traffic Engineer DATE 3/31/2011

PLATE NO. R6-3.5 SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\R63.DGN

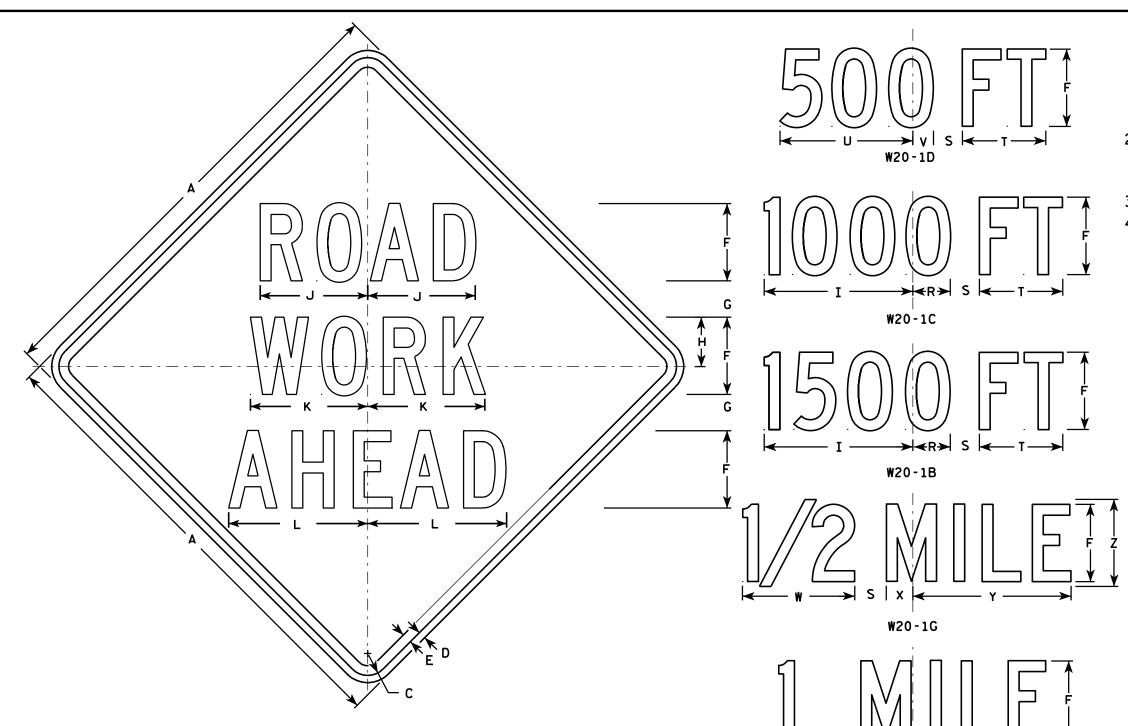
PROJECT NO:

R6-3

PLOT DATE: 31-MAR-2011 09:08

PLOT BY: mscsja

5.959043:1.000000



7 5/8 8 7/8 1 1/8 4 1/2 3 1/2

3 3/4 | 5 1/8 | 15 3/8 | 11 1/8 | 12 1/8 | 14 3/8 | 1 5/8 | 6 7/8 | 5 3/8 | 13 7/8 |

3 3/4 | 5 1/8 | 15 3/8 | 11 1/8 | 12 1/8 | 14 3/8 | 1 5/8 | 6 3/8 | 5 3/8

3 3/4 | 5 1/8 | 15 3/8 | 11 1/8 | 12 1/8 | 14 3/8 | 1 5/8 | 6 7/8 | 5 3/8

3 3/4 | 5 1/8 | 15 3/8 | 11 1/8 | 12 1/8 | 14 3/8 | 1 5/8 | 6 7/8 | 5 3/8 |

| 3 3/4 | 5 1/8 | 15 3/8 | 11 1/8 | 12 1/8 | 14 3/8 | 1 5/8 | 6 7/8 |

W20-1A

2 \\ 8 | 3 \\ 4 | 10 \\ 8 |

NOTES

- 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

Area sq. ft.

16.0

16.0

16.0

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.

STANDARD SIGN W20-1A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch

For State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-1.9

SHEET NO:

1 3/4 10 3/4

16 3/8 9

1 3/8

2 1/4

2 1/4

1/2

3/4

3/4

SIZE A

3

4

5

36

48

48

48

48

48

PROJECT NO:

W20-1F

1 3/8

13 3/4 2 1/8 11 1/8 2 3/4 16 3/8

13 3/4 2 1/8 11 1/8 2 3/4 16 3/8

13 3/4 2 1/8 11 1/8 2 3/4 16 3/8

8 \% | 13 \% | 2 \% | 11 \% | 2 \% | 16 \% | 9

| 13 3/4 | 2 1/8 | 11 1/8 | 2 3/4 |

5 %

8 %

2 1/2 1 1/8

3 1/8

3 %

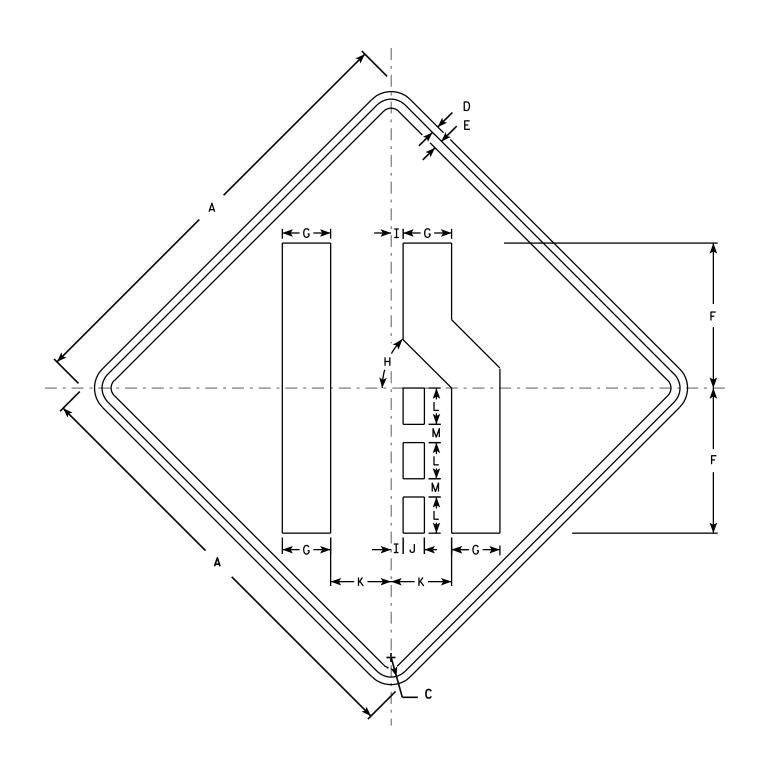
3 %

3 %

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

Background - Yellow Message - Black

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. W4-2L is the same as W4-2R except the symbolis reversed along the vertical centerline.



W4-2R

SIZE	Α	В	С	D	Е	F	G	H	I	7	K	L	М	N	0	Р	0	R	S	T	U	٧	W	X	Υ	Z	Area sq. ft
1	30		1 3/8	1/2	5/8	10	3 %	45°	<b>1</b> %	1 1/2	4 1/4	2 1/2	1 1/4														6.25
25	36		1 %	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2M	36		1 %	5/8	₹4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
3	36		1 %	5/8	₹4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
4	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 ¾	4	2														16.0
5	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

STANDARD SIGN W4-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE 3/12/13

PLATE NO. W4-2.14

SHEET NO:

PROJECT NO:

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

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

W5-54	

SIZE	Α	В	С	D	Е	F	G	Н	I	C	K	L	М	N	0	Р	0	R	S	T	U	٧	W	Х	Y	Z	Area sq. ft.
1	12								1																		1.0
2S	18								1 1/2																		2.25
2M	18								1 1/2																		2.25
3																											
4																											
5		·			·										·				·								

COUNTY:

STANDARD SIGN W5-54

WISCONSIN DEPT OF TRANSPORTATION

Matthew R Rauch *for* State Traffic Engineer DATE 11/3/10 PLATE NO. W5-54.8

APPROVED

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\W554.DGN

PROJECT NO:

HWY:

PLOT DATE: 03-NOV-2010 09:54

PLOT BY: ditjph

PLOT NAME :

PLOT SCALE: 4.965871:1.000000

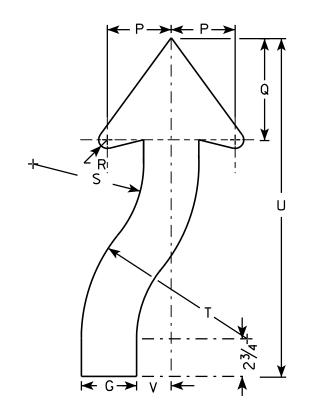
WISDOT/CADDS SHEET 42

Ε

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

Background - Yellow Message - Black

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. W6-2 same as W6-1 but is rotated 180° when mounted.



ARROW DETAIL

PLOT NAME :

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Ρ	0	R	S	T	U	٧	W	Х	Y	Z	Areg sq. ft.
1	30		1 3/8	1/2	5/8		3 1/4	8	8 1/4	4 1/8	7 1/8	25	1 3/4	11 %	4 1/8	3 %	6 3/4	5/8	6 %	9 %	21 %	2					6.25
2S	36		1 1/8	5/8	3/4		4	8 3/4	10	4 3/4	9 1/2	30	2	14	5	4 %	7 3/8	<b>7</b> /8	8	12	24 1/2	2 1/2					9.0
2M	36		1 1/8	5/8	3/4		4	8 3/4	10	4 3/4	9 1/2	30	2	14	5	4 %	7 3/8	<b>7</b> /8	8	12	24 1/2	2 1/2					9.0
3																											
4	48		2 1/4	3/4	1		5 3/8	11 %	13 %	6 3/8	12 5/8	40	2 5/8	18 %	6 %	6 1/4	9 %	1 1/4	10 %	16	32 %	3 %					16.0
5	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 %	18 %	6 %	6 1/4	9 %	1 1/4	10 %	16	32 %	3 3/8	·				16.0

COUNTY:

W6-1

**←** G → ← G →

STANDARD SIGN W6-1 & W6-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch
for State Traffic Engineer

DATE <u>03/12/13</u>

PLATE NO. <u>W6-1.14</u>

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr\_stdplate\W61.DGN

PROJECT NO:

HWY:

PLOT DATE: 12-MAR-2013 14:02

PLOT BY: mscsja

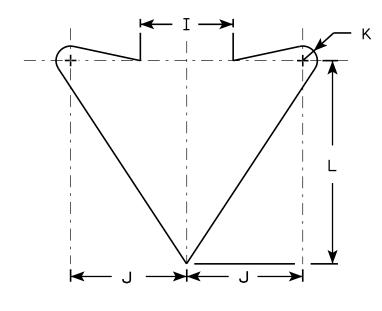
PLOT SCALE: 6.946657:1.000000

# <u>NOTES</u>

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

Background - Yellow Message - Black

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



ARROW DETAIL

SIZE	Α	В	C	D	Ε	F	G	н	I	J	K	L	M	N	0	P	0	R	S	Т	U	٧	W	x	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	10 1/2	1	3 %	4	5	5/8	8 3/4	5 %														6.25
25	36		1 %	5/8	3/4	12	1	4 1/4	5	6	3/4	10 1/2	6 3/4														9.0
2M	36		1 %	5/8	3/4	12	1	4 1/4	5	6	3/4	10 1/2	6 3/4														9.0
3																											
4	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
5	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0

COUNTY:

W6-3

HWY:

STANDARD SIGN W6-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthe R Rauch
For State Traffic Engineer

DATE <u>03/12/13</u>

3/12/13 PLATE NO. W6-3.10

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr\_stdplate\W63.DGN

PROJECT NO:

PLOT DATE: 12-MAR-2013 14:11

PLOT NAME :

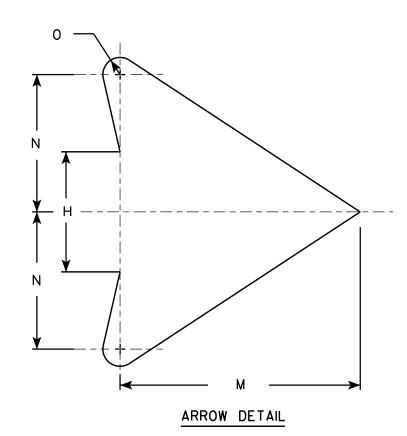
PLOT BY: mscsja

PLOT SCALE: 6.202372:1.000000

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

Background - Orange Message - Black

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. W01-2L is the same as W01-2R except the arrow is reversed along the vertical centerline.



SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	٧	W	X	Y	Z	Areg sq. ft.
1	36		1 %	5/8	3/4		12 3/8	5 1/4	6 3/4	2 %	3 ½	10 1/8	10 1/2	6	3/4												4.0
2S	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 %	14 1/2	14	8	1												16.0
2M	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 %	14 1/2	14	8	1												16.0
3	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 %	14 1/2	14	8	1												16.0
4	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 %	14 1/2	14	8	1												16.0
5	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0

COUNTY:

STANDARD SIGN W01-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Rauch
For State Traffic Engineer

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

SHEET NO:

PLATE NO. WO1-1.1

FILE NAME : C:\CAEfiles\Projects\tr\_stdplate\W012.DGN

PROJECT NO:

**⊢** H →

HWY:

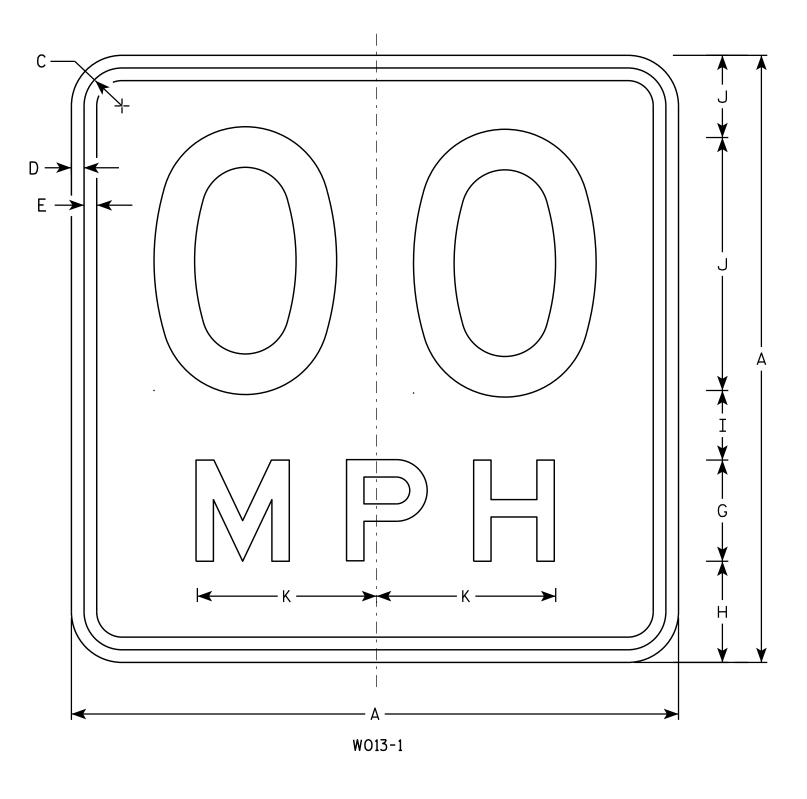
W01-2R

PLOT DATE: 28-FEB-2014 11:34

PLOT NAME :

PLOT BY: mscj9h

PLOT SCALE: 6.992871:1.000000



# <u>NOTES</u>

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

Background - Orange Message - Black

- 3. Message Series See Note 6
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
- 6. Line 1 is Series D Line 2 is Series E

SIZE	Α	В	С	D	E	F	G	н	I	J	К	L	М	N	0	Ρ	0	R	S	T	U	٧	₩	X	Y	Z	Areg sq. ft.
1	24		1 1/8	3∕8	1/2	10	4	4	2 3/4	3 1/4	7 1/8																4.00
2S	36		1 %	5/8	3∕4	16	6	5 1/2	4	4 1/2	10 %																9.00
2M	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 %																9.00
3	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 %																9.00
4	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 %																9.00
5	36		1 %	5/8	3/4	16	6	5 1/2	4	4 1/2	10 %																9.00

COUNTY:

STANDARD SIGN W013-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Rauch

For State Traffic Engineer

DATE 11/21/13 PLATE NO. WO13-1.1

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr\_stdplate\W0131.DGN

HWY:

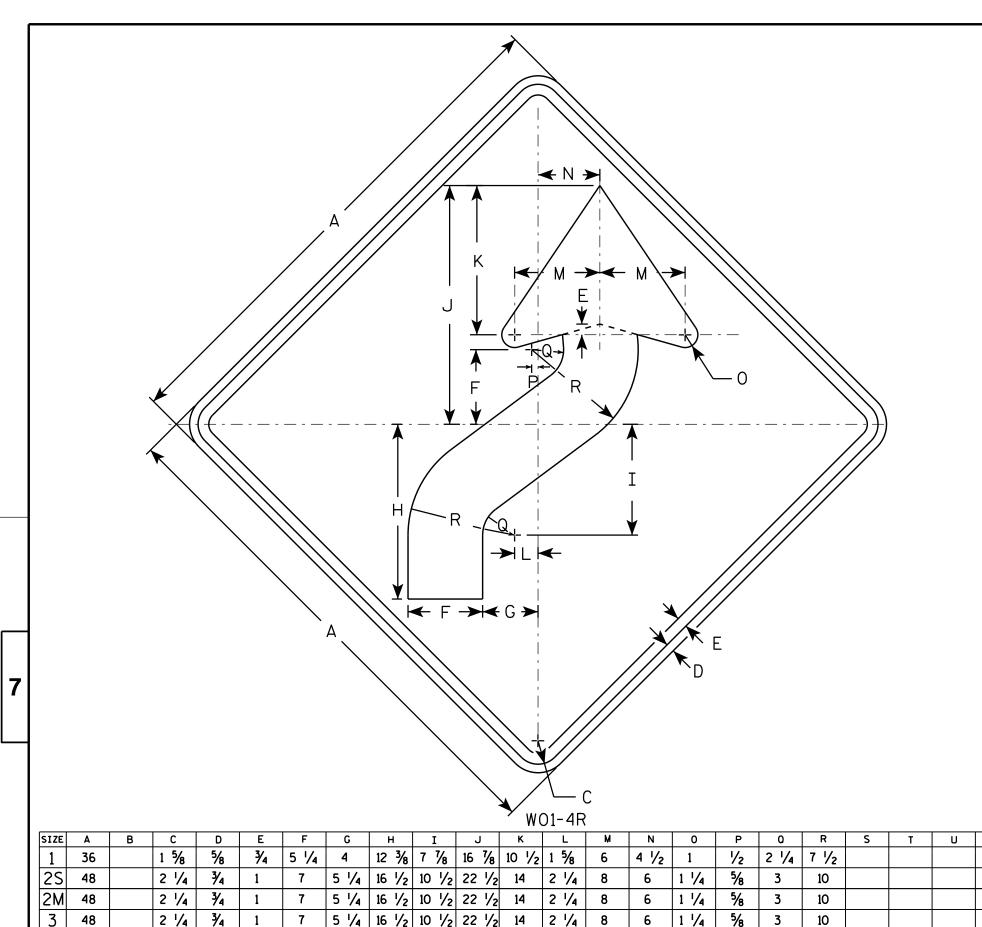
PROJECT NO:

PLOT DATE: 02-DEC-2013 13:55

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 3.794391:1.000000



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

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

HWY:

2 1/4

2 1/4

# **NOTES**

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

Background - Orange Message - Black

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

Area sa. ff. 9.0 16.0 16.0 AP 16.0 16.0 16.0 D

STANDARD SIGN W01-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch

For State Traffic Engineer

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

PLATE NO. WO1-4.1
SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr\_stdplate\W014.DGN

48

48

PROJECT NO:

2 1/4 3/4

2 1/4 | 3/4

PLOT DATE : 28-FEB-2014 11:35

10

1 1/4

1 1/4

COUNTY:

5/8

PLOT NAME :

PLOT BY: mscj9h

PLOT SCALE: 6.755110:1.000000

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

Background - Orange Message - Black

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

	G
	_ <b>¥</b> B
W01-6	₩

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

COUNTY:

STANDARD SIGN WO1-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch
For State Traffic Engineer

For State Traffic Engineer

13 PLATE NO. <u>W01-6.1</u>

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

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr\_stdplate\W016.DGN

HWY:

PROJECT NO:

PLOT DATE : 28-FEB-2014 11:37

PLOT NAME :

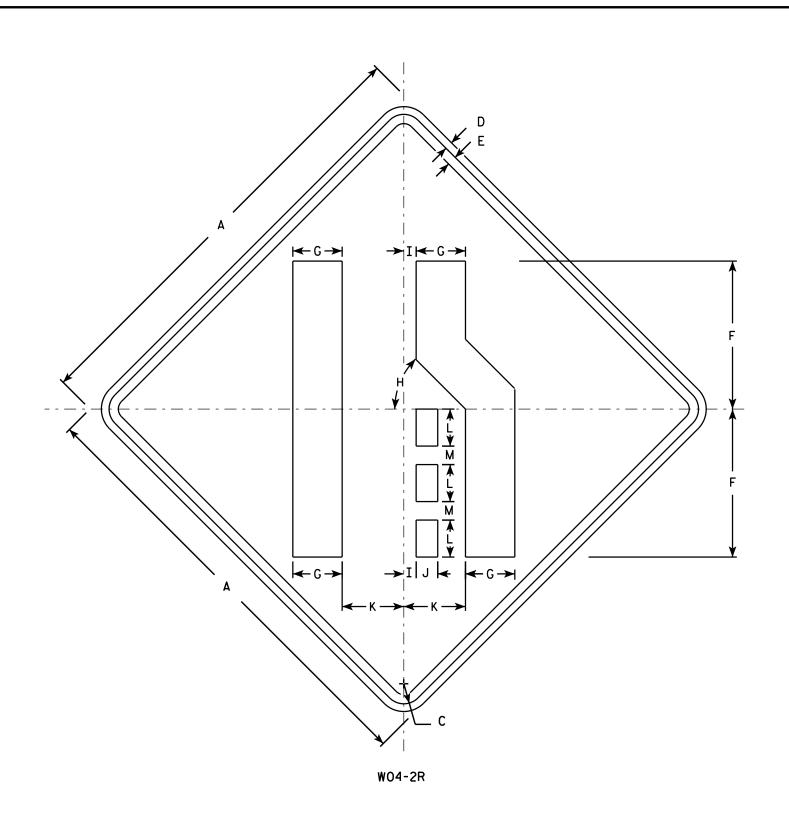
PLOT BY: mscj9h

PLOT SCALE: 5.837526:1.000000

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

Background - Orange Message - Black

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



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

STANDARD SIGN W04 - 2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

ForState Traffic Engineer

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

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr\_stdplate\W042.DGN

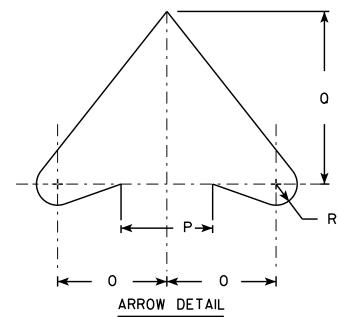
PROJECT NO:

PLOT DATE: 20-NOV-2013 11:43

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

Background - Orange Message - Black

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



ΙZΕ	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	36		1 1/8	5/8	3/4		12 3/4	7 1/2	1 1/2	2 1/4	3	18	11 1/8	45°	4 %	4	7 3/8	<i>7</i> ⁄8	7 3/4	12 3/4							9.0
S	48		2 1/4	3/4	1		17	10	2	3	4	24	15 3/4	45°	6 1/4	5 1/2	9 %	1 1/4	10 1/4	17							16.0
М	48		2 1/4	3/4	1		17	10	2	3	4	24	15 3/4	45°	6 1/4	5 1/2	9 %	1 1/4	10 1/4	17							16.0
3	48		2 1/4	3/4	1		17	10	2	3	4	24	15 3/4	45°	6 1/4	5 1/2	9 1/8	1 1/4	10 1/4	17							16.0
4	48		2 1/4	3/4	1		17	10	2	3	4	24	15 3/4	45°	6 1/4	5 1/2	9 1/8	1 1/4	10 1/4	17							16.0
5	48		2 1/4	3/4	1		17	10	2	3	4	24	15 3/4	45°	6 1/4	5 1/2	9 1/8	1 1/4	10 1/4	17							16.0

W04-3R

STANDARD SIGN W@433

WISCONSIN DEPT OF TRANSPORTATION

APPROVED M. // #

for State Traffic Engineer

DATE <u>11/20/13</u>

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr\_stdplate\W043.DGN

W04-3L

PLOT DATE: 20-NOV-2013 11:49

PLOT BY: mscsja

6.810449:1.000000 WISDOT/CADD

PLATE NO. WO4-3.1

Notes



# Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov