FEDERAL PROJECT DECEMBER 2020 STATE PROJECT STATE OF WISCONSIN ORDER OF SHEETS PROJECT CONTRACT 8358-00-70 FLAP 020 1 PROJECT **DEPARTMENT OF TRANSPORTATION** Typical Sections and Details Section No. Estimate of Quantitles PLAN OF PROPOSED IMPROVEMENT Section No. Plan and Profile Section No. Standard Detail Drawings T TRIPP, FAIRVIEW ROAD 358-00-70 CTH A TO WEIDENAAR ROAD LOCAL STREET 20 TOTAL SHEETS = PROJECT LOCATION **BAYFIELD COUNTY BEGIN PROJECT** STATE PROJECT NUMBER STA 1+57 8358-00-70 Y = 479310.87X = 691415.61Riba PERSEN NOS WASHBURN DESIGN DESIGNATION A.A.D.T. 2021 = 100 A,A.D.T. 2041 = 125 D.H.V. c 15 ≈ 50/50 D,D, **END PROJECT** = 3.1% DESIGN SPEED = 35 MPH STA 52+44 CHEQUAMEGON = 7,300 ESALS ACCEPTED FOR W **CONVENTIONAL SYMBOLS** Town of Tripp **PROFILE** GRADE LINE 1////// CORPORATE LIMITS NATIONAL T ORIGINAL GROUND PROPERTY LINE T-47-N MARSH OR ROCK PROFILE m LOT LINE (To be noted as such) LIMITED HIGHWAY EASEMENT SPECIAL DITCH **EXISTING RIGHT OF WAY** STATE OF WISCONSIN GRADE ELEVATION PROPOSED OR NEW R/W LINE DEPARTMENT OF TRANSPORTATION CULVERT (Profile View) SLOPE INTERCEPT REPARLD BY UTILITIES REFERENCE LINE Surveyor ELECTRIC Designer **EXISTING CULVERT** FIBER OPTIC Project Manager PROPOSED CULVERT (Box or Pipe) SANITARY SEWER ANDREW STENSLAND COMBUSTIBLE FLUIDS LAYOUT STORM SEWER HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN TELEPHONE SCALE COORDINATE REFERENCE SYSTEM (WISCRS), NAD83 ( 2011 ), IN U.S. SURVEY FEET, POSITIONS SHOWN ARE GRID MARSH AREA COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES UTILITY PEDESTAL Ħ TOTAL NET LENGTH OF CENTERLINE = 0.963 MI ARE THE SAME AS GROUND DISTANCES. ELEVATIONS ARE REFERENCED POWER POLE ф TO NAVD 88 (2012), GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A WOODED OR SHRUB AREA TELEPHONE POLE FILE NAME: N:\PDS\c30\83580000\SHEETSPLAN\010101\_TI.OWG 5/14/2020 2:22 PM PLOT BY: MEIR, RALPH L PLOT NAME

UTILITIES

NORVADO GUY FOLSUM 43705 USH 63 PO BOX 67 CABLE, WI 54821 PHONE: (715)580-8123 EMAIL: gfolsum@norvado.com BAYFIELD ELECTRIC COOPERATIVE FRANK POLKOSKI 68460 DISTRICT AVE PO BOX 68 IRON RIVER, WI 54847 PHONE: (715)372-7540 EMAIL: frank.polkoski@bayfieldelectric.com



#### **GENERAL NOTES:**

RESTORE PRIVATE ENTRANCES TO EXISTING CONDITIONS UNLESS SHOWN OTHERWISE.

THE EXACT CONSTRUCTION LIMITS OF PRIVATE ENTRANCES SHALL BE COORDINATED WITH THE ENGINEER IN THE FIELD.

WHEN THE QUANTITY OF BASE AGGREGATE IS MEASURED BY THE TON, THE THICKNESS OF THE LAYER SHOWN ON THE PLAN IS APPROXIMATE, AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF MATERIAL AS DIRECTED BY THE

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

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

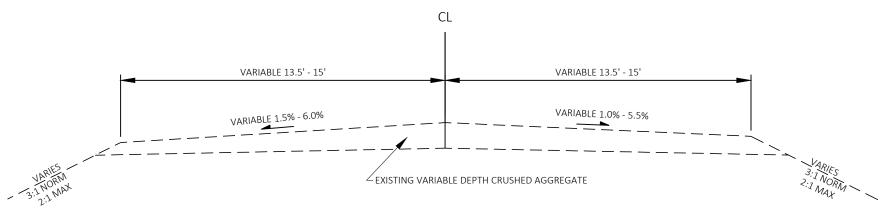
#### WISCONSIN DEPARTMENT OF NATURAL RESOURCES

WDNR - NORTHWEST DISTRICT HEADQUARTERS SHAWN HASELEU 810 WEST MAPLE STREET SPOONER, WI 54801 PHONE: (715)635-4228 EMAIL: Shawn.Haseleu@wisconsin.gov

Ε PROJECT NO: 8358-00-70 HWY: FAIRVIEW ROAD COUNTY: BAYFIELD **GENERAL NOTES** SHEET FILE NAME :

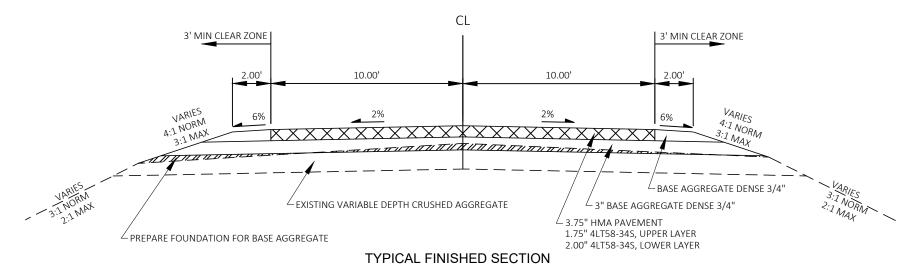
N:\PDS\C3D\83580000\SHEETSPLAN\020101 GN.DWG PLOT DATE : PLOT BY: MEIR, RALPH L PLOT NAME : PLOT SCALE : 7/28/2020 9:19 AM ########### WISDOT/CADDS SHEET 42 LAYOUT NAME - Plan 1 IN 100 FT





#### TYPICAL EXISTING SECTION

STA 1+57 TO STA 52+44



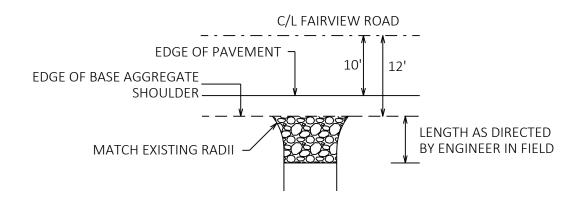
STA 1+57 TO STA 52+44

PROJECT NO: 8358-00-70 HWY: FAIRVIEW ROAD COUNTY: BAYFIELD TYPICAL SECTIONS

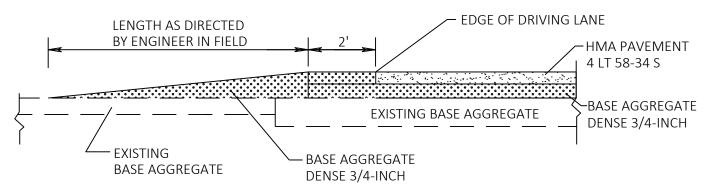
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LAYOUT NAME-01 PLOT NAME: PLOT NAME: PLOT NAME: PLOT NAME: PLOT NAME: PLOT NAME: N:\PDS\C30\SHEET AVERAGE NEWSDOT/CADDS SHEET 42

2

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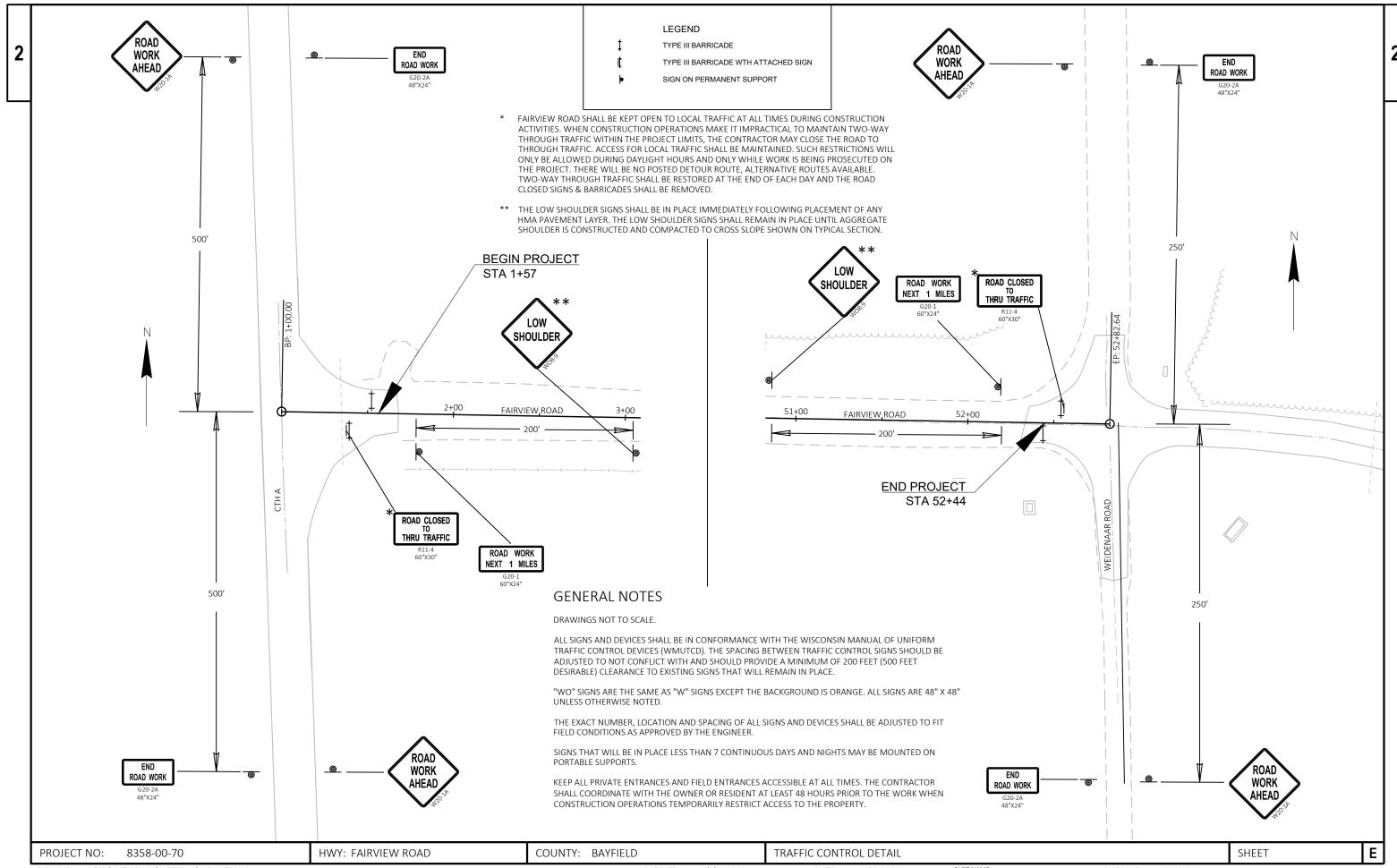


# BASE AGGREGATE PRIVATE/FIELD ENTRANCE DETAIL PLAN VIEW



BASE AGGREGATE PRIVATE ENTRANCE DETAIL PROFILE VIEW

PROJECT NO: 8358-00-70 HWY: FAIRVIEW ROAD COUNTY: BAYFIELD CONSTRUCTION DETAILS SHEET **E** 



8358-00-70	
0330-00-70	

Line	Item	Item Description	Unit	Total	Qty
0002	204.0110	Removing Asphaltic Surface	SY	56.000	56.000
0004	211.0100	Prepare Foundation for Asphaltic Paving (project) 01. 8358-00-70	LS	1.000	1.000
0006	211.0500	Prepare Foundation for Base Aggregate	STA	50.000	50.000
8000	213.0100	Finishing Roadway (project) 01. 8358-00-70	EACH	1.000	1.000
0010	305.0110	Base Aggregate Dense 3/4-Inch	TON	3,016.000	3,016.000
0012	455.0605	Tack Coat	GAL	565.000	565.000
0014	460.2000	Incentive Density HMA Pavement	DOL	1,520.000	1,520.000
0016	460.5244	HMA Pavement 4 LT 58-34 S	TON	2,374.000	2,374.000
0018	618.0100	Maintenance And Repair of Haul Roads (project) 01. 8358-00-70	EACH	1.000	1.000
0020	619.1000	Mobilization	EACH	1.000	1.000
0022	624.0100	Water	MGAL	38.000	38.000
0024	643.0420	Traffic Control Barricades Type III	DAY	52.000	52.000
0026	643.0900	Traffic Control Signs	DAY	274.000	274.000
0028	643.5000	Traffic Control	EACH	1.000	1.000
0030	650.8000	Construction Staking Resurfacing Reference	LF	5,087.000	5,087.000
0032	650.9910	Construction Staking Supplemental Control (project) 01. 8358-00-70	LS	1.000	1.000
0034	690.0150	Sawing Asphalt	LF	53.000	53.000
0036	740.0440	Incentive IRI Ride	DOL	3,850.000	3,850.000

### 3

#### REMOVING ASPHALTIC SURFACE

### BASE AGGREGATE AND WATER

				211.0500 PREPARE FOUNDATION FOR BASE	305.0110 BASE AGGREGATE DENSE	624.0100
				AGGREGATE	3/4-INCH	WATER
STATION	TO	STATION	LOCATION	STA	TON	MGAL
2+00	-	52+00	MAINLINE	50		14
1+67	-	52+34	MAINLINE		2,406	24
1+57	-	52+44	SHOULDERS		500	
			DRIVEWAYS		110	
			PROJECT TOTAL	50	3,016	38

#### HMA PAVEMENT AND TACK COAT

				455.0605	460.5244	
					HMA PAVEMENT	
				TACK COAT	4 LT 58-34 S	
STATION	TO	STATION	LOCATION	GAL	TON	REMARKS
1+57	-	52+44	MAINLINE		1,266	LOWER LAYER
1+57	-	52+44	MAINLINE	565	1,108	UPPER LAYER
			PROJECT TOTAL	565	2,374	

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010 UNLESS OTHERWISE NOTED

#### TRAFFIC CONTROL BARRICADES

643.0420

	NUMBER OF	NUMBER	TRAFFIC CONTROL	
STATION	BARRICADES REQUIRED	OF DAYS REQUIRED	BARRICADES TYPE 3 DAYS	REMARKS
SIATION	NEQUINED	REQUIRED	DAIS	ILLIVIAING
1+50	1	13	13	SEE TRAFFIC CONTROL DETAI
1+60	1	13	13	SEE TRAFFIC CONTROL DETAI
52+40	1	13	13	SEE TRAFFIC CONTROL DETAI
52+50	1	13	13	SEE TRAFFIC CONTROL DETA
	PRO.	JECT TOTALS	52	

#### TRAFFIC CONTROL SIGNS

					643.0900	
STATION	LOCATION	SIGN CODE	SIGN MESSAGE	SIZE	DAY	REMARKS
CTH A NB	RT	W20-1	ROAD WORK AHEAD	48 x 48	24	SEE TRAFFIC CONTROL DETAIL
CTH A SB	LT	G20-2A	END ROAD WORK	48 x 24	24	SEE TRAFFIC CONTROL DETAIL
CTH A NB	RT	W20-1	ROAD WORK AHEAD	48 x 48	24	SEE TRAFFIC CONTROL DETAIL
CTH A SB	LT	G20-2A	END ROAD WORK	48 x 24	24	SEE TRAFFIC CONTROL DETAIL
1+50	RT	R11-4	ROAD CLOSED TO THRU TRAFFIC	60 x 30	13	SEE TRAFFIC CONTROL DETAIL
1+75	RT	G20-1	ROAD WORK NEXT 1 MILES	60 x 24	24	SEE TRAFFIC CONTROL DETAIL
3+75	RT	WO8-9	LOW SHOULDER	48 x 48	4	SEE TRAFFIC CONTROL DETAIL
50+25	LT	WO8-9	LOW SHOULDER	48 x 48	4	SEE TRAFFIC CONTROL DETAIL
52+25	LT	G20-1	ROAD WORK NEXT 1 MILES	60 x 24	24	SEE TRAFFIC CONTROL DETAIL
52+50	LT	R11-4	ROAD CLOSED TO THRU TRAFFIC	60 x 30	13	SEE TRAFFIC CONTROL DETAIL
WEIDENAAR ROAD NB	RT	W20-1	ROAD WORK AHEAD	48 x 48	24	SEE TRAFFIC CONTROL DETAIL
WEIDENAAR ROAD SB	LT	G20-2A	END ROAD WORK	48 x 24	24	SEE TRAFFIC CONTROL DETAIL
WEIDENAAR ROAD NB	RT	W20-1	ROAD WORK AHEAD	48 x 48	24	SEE TRAFFIC CONTROL DETAIL
WEIDENAAR ROAD SB	LT	G20-2A	END ROAD WORK	48 x 24	24	SEE TRAFFIC CONTROL DETAIL
			PR	OJECT TOTAL	274	

#### CONSTRUCTION STAKING

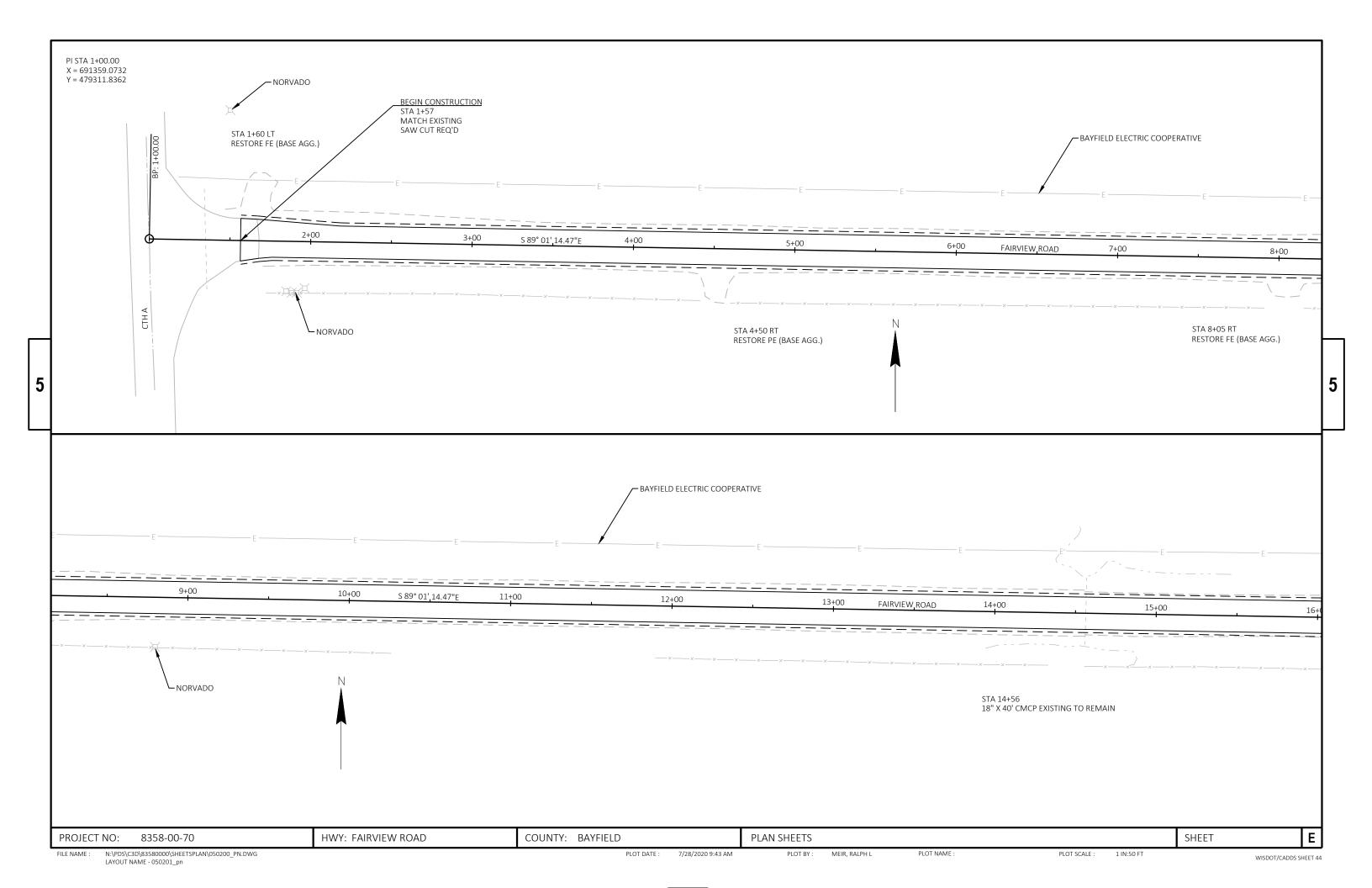
					650.8000
					CONSTRUCTION
					STAKING
					RESURFACING
					REFERENCE
_	STATION	TO	STATION	LOCATION	LF
	1+57	-	52+44	MAINLINE	5,087
				PROJECT TOTAL	5,087

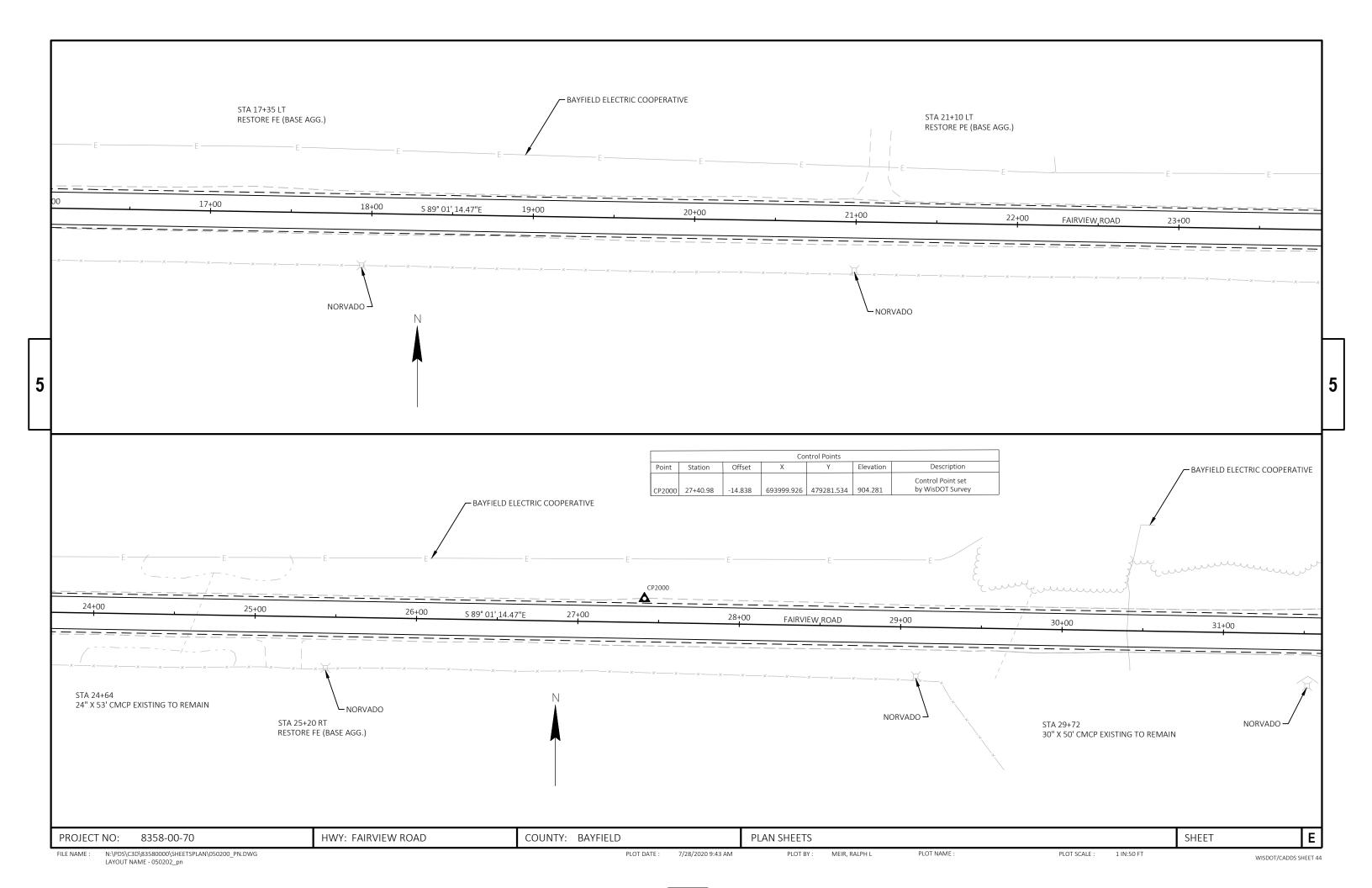
#### SAWING ASPHALT

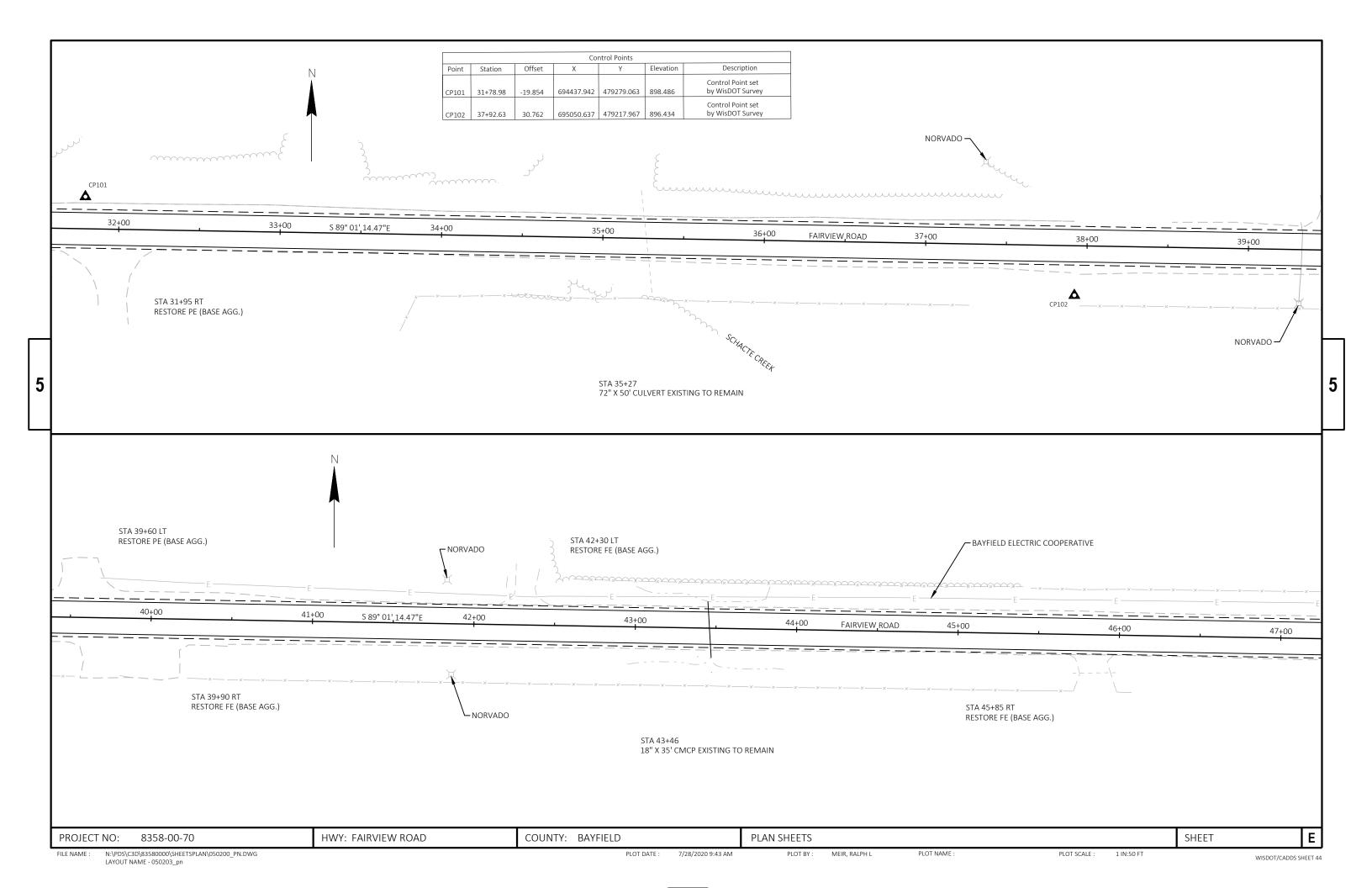
STATION	LOCATION	690.0150 SAWING ASPHALT LF
1+57 52+44	MAINLINE MAINLINE	26 27
	PROJECT TOTAL	53

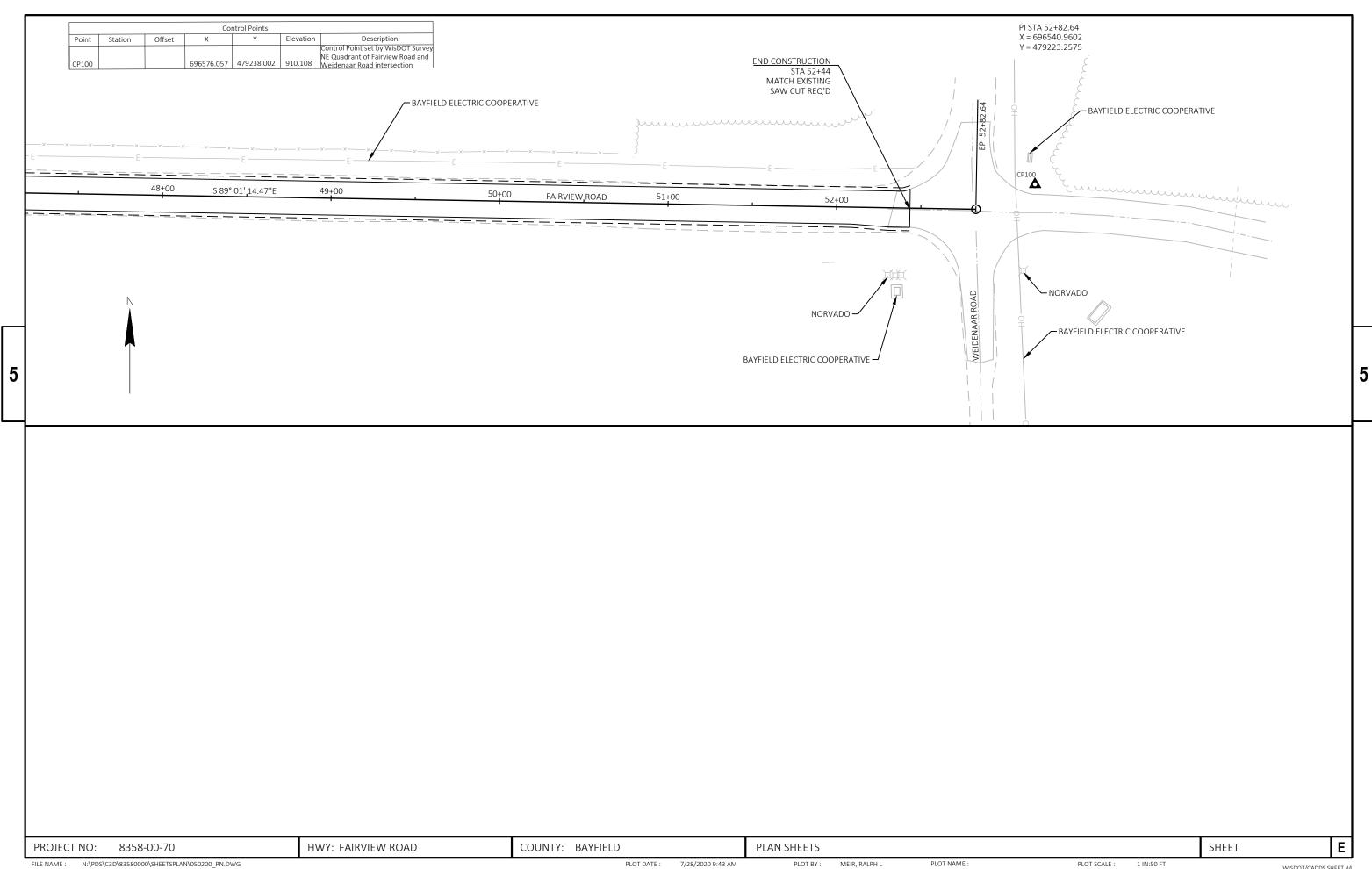
PROJECT NO: 8358-00-70 HWY: FAIRVIEW ROAD COUNTY: BAYFIELD MISCELLANEOUS QUANTITIES SHEET: **E** 

FILE NAME: N:\PDS\...\030201\_mq.pdf PLOT BY: PLOT NAME: PLOT NAME: PLOT SCALE: 1:1







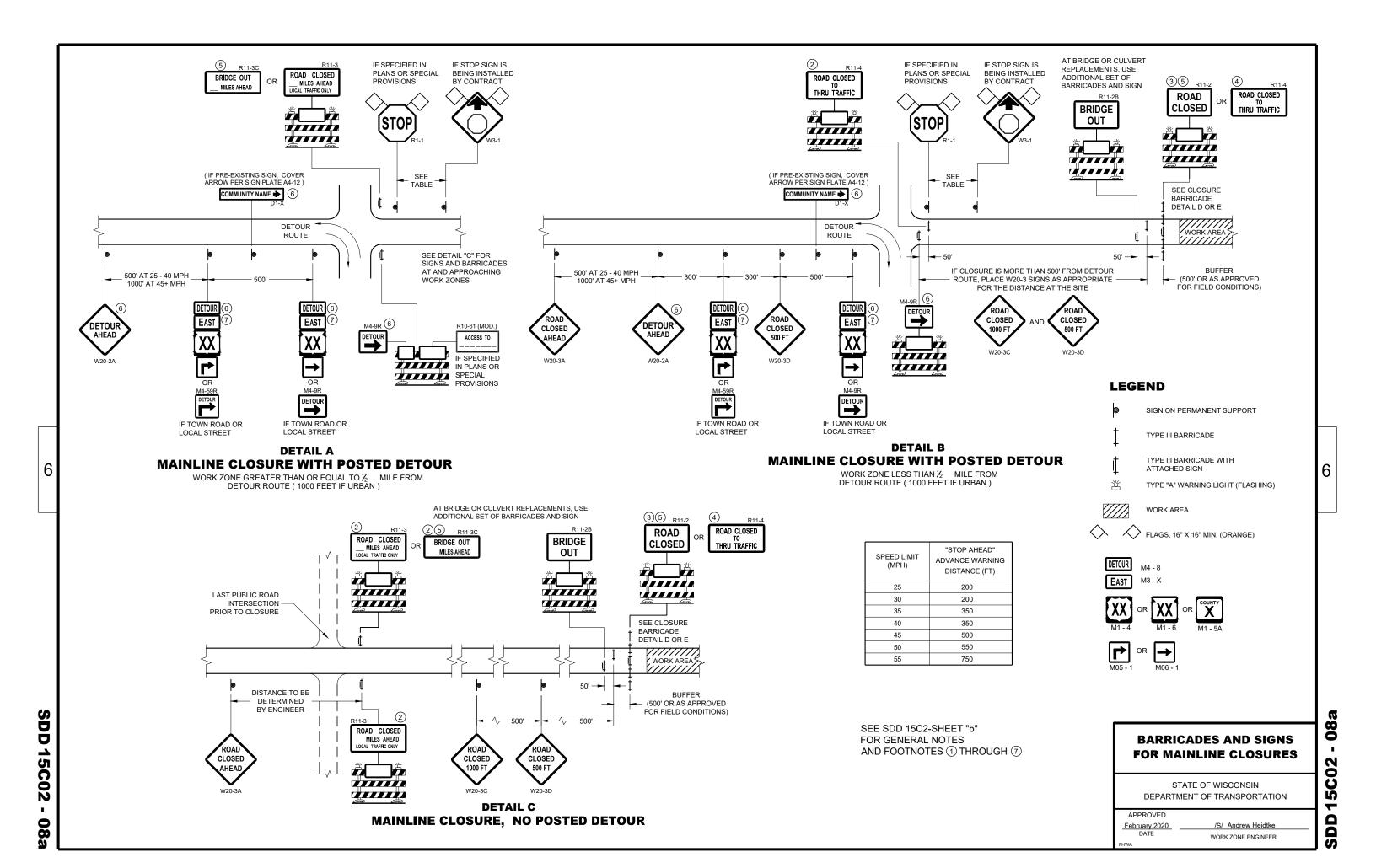


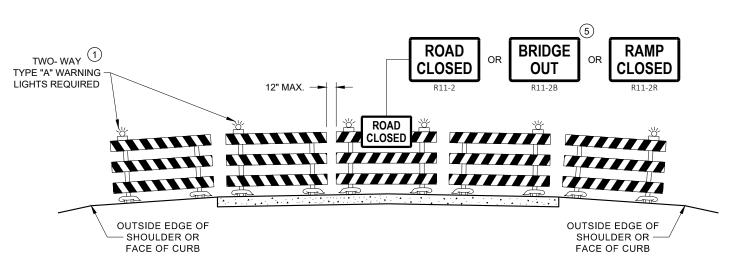
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LAYOUT NAME - 050204\_pn

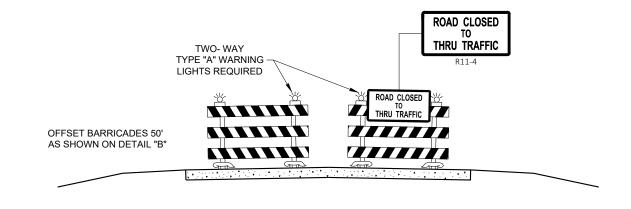
### Standard Detail Drawing List

15C02-08A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-08B	BARRI CADES AND SIGNS FOR VARIOUS CLOSURES
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C12-07	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS





## DETAIL D ROAD CLOSURE BARRICADE DETAIL APPROACH VIEW



## DETAIL E LANE CLOSURE BARRICADE DETAIL APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

#### **GENERAL NOTES**

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

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

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

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

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

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

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

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

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

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

R11 - 2 SHALL BE 48" X 30"

R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"

M4 - 9 SHALL BE 30" X 24"

M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)

M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)

M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)

MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS) D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

R1 - 1 SHALL BE 36" X 36"

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

## FOR VARIOUS CLOSURES

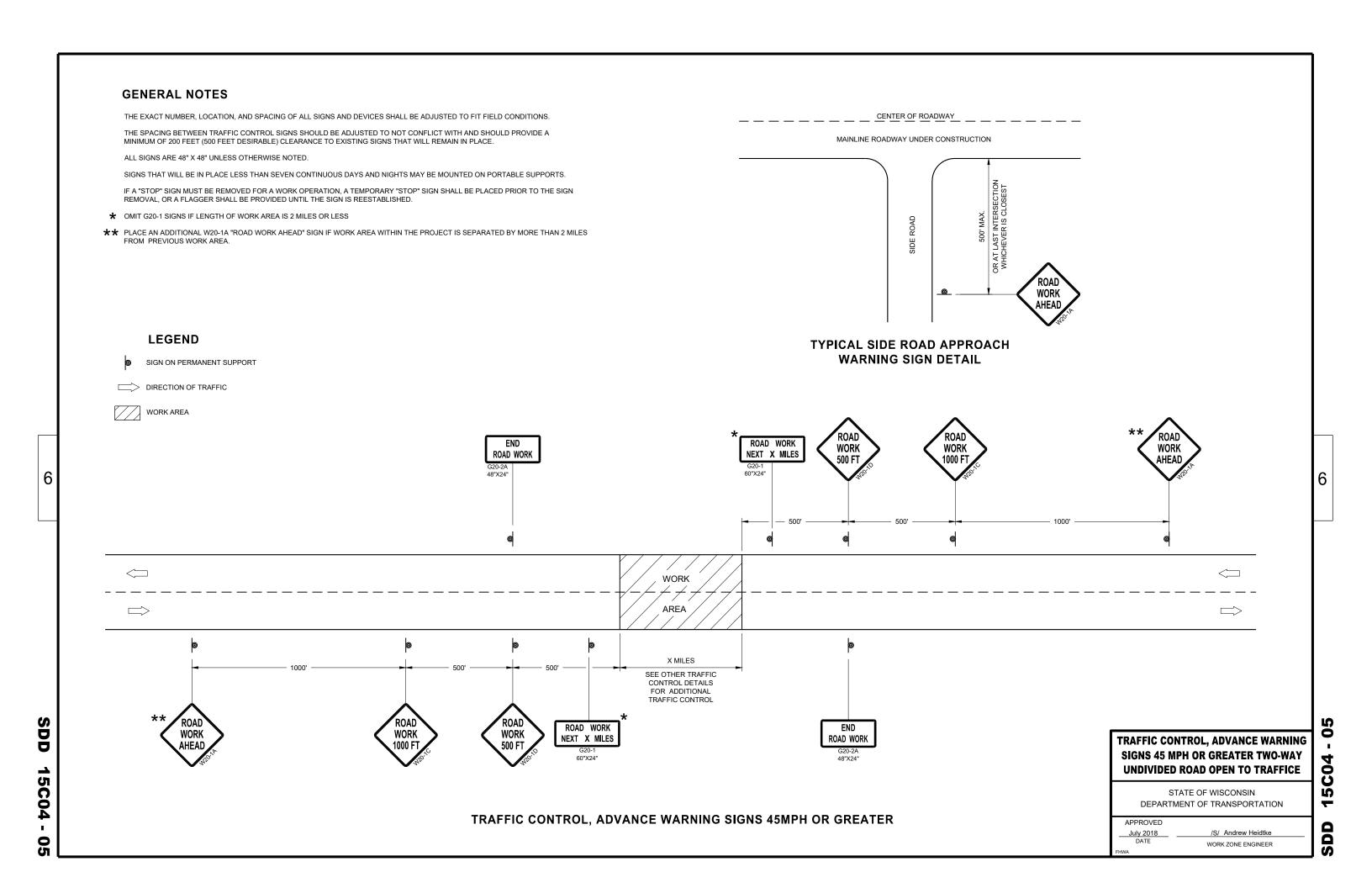
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

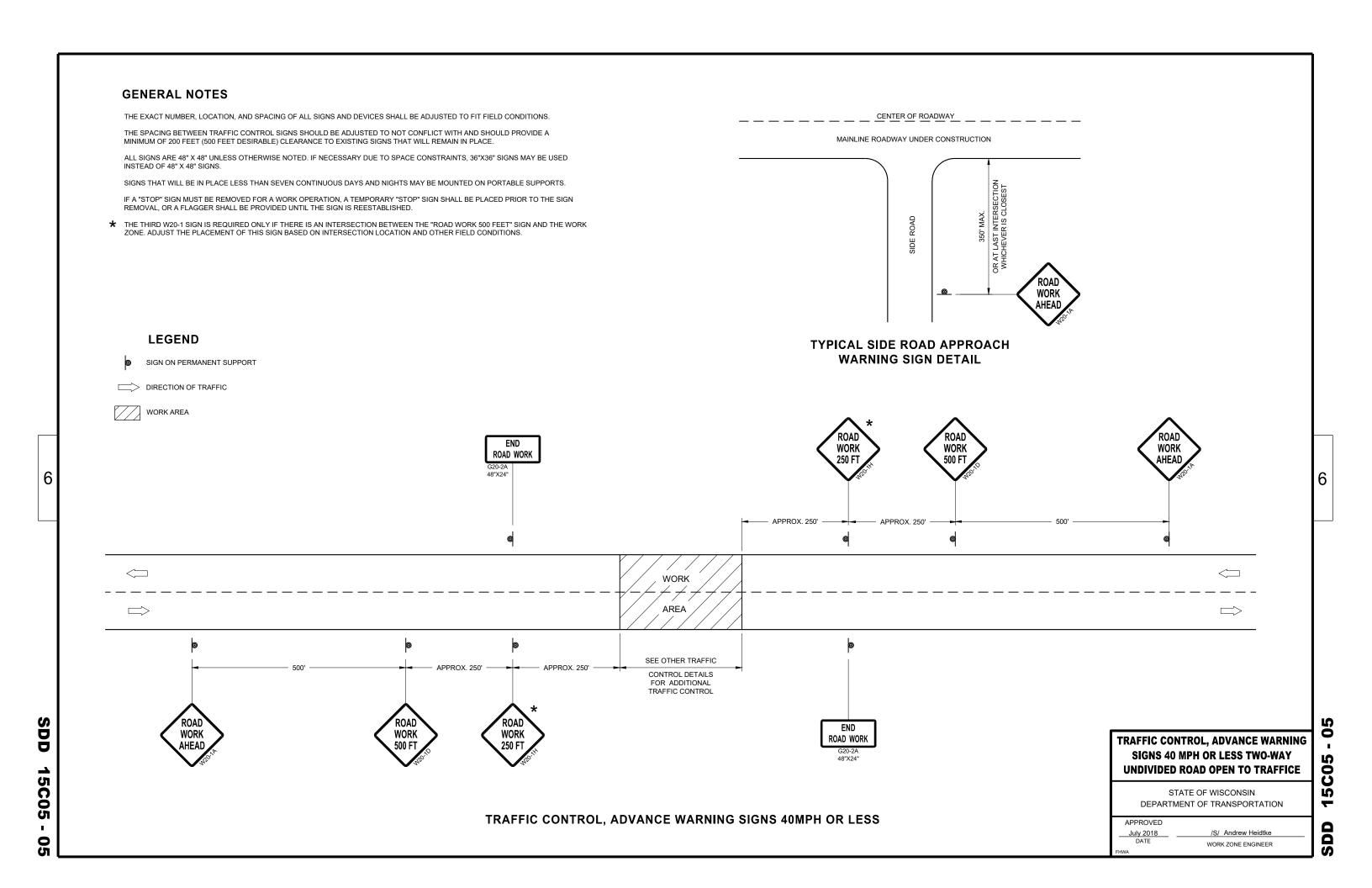
APPROVED

February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

D 15C02

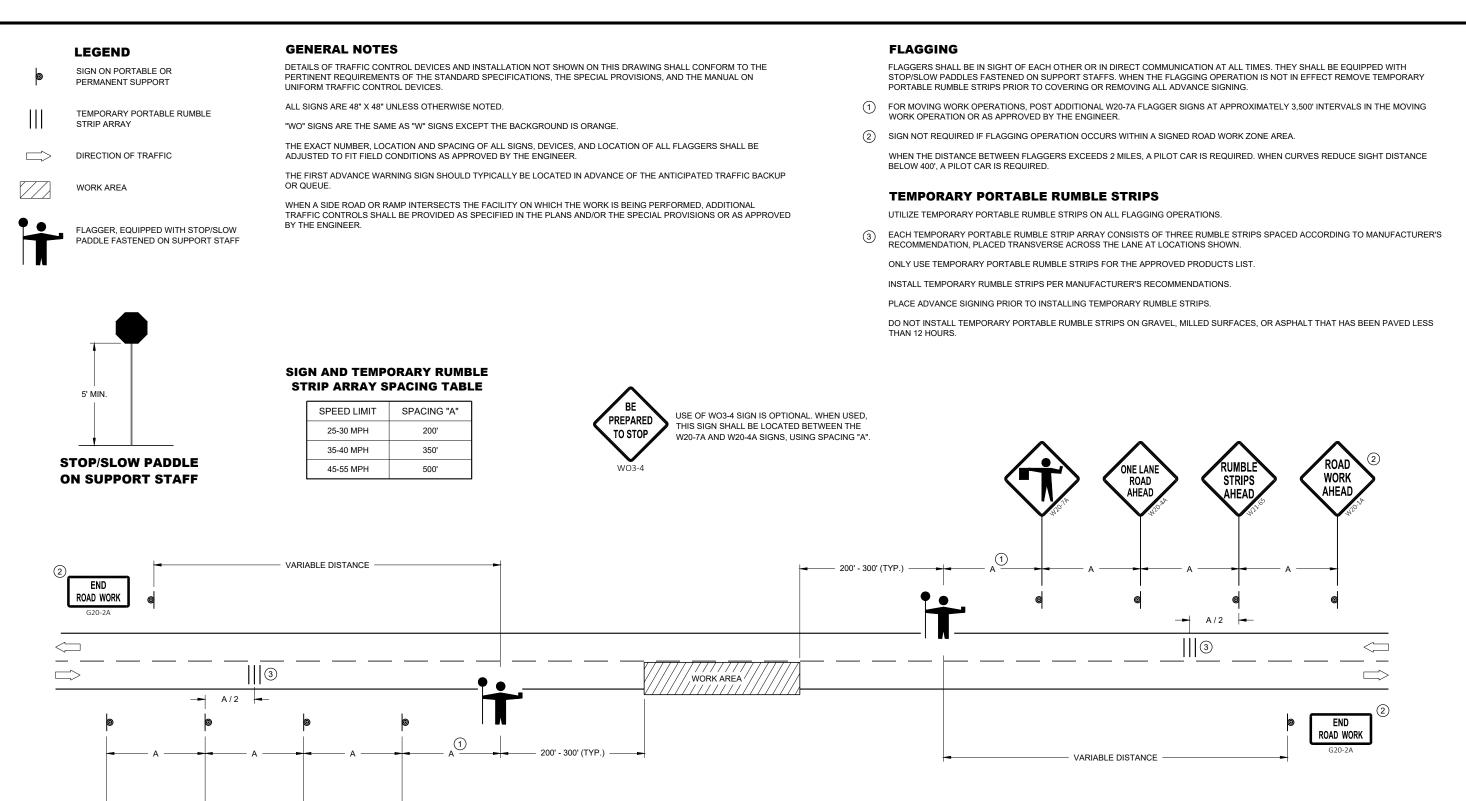




RUMBLE

STRIPS

WORK



### **FLAGGING OPERATION**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL FOR

LANE CLOSURE WITH

2

APPROVED	
May 2019	/S/ Andrew Heidtke
DATE	WORK ZONE ENGINEER
FHWA	

#### TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION



TUBULAR STEEL POSTS

AREA OF SIGN INSTALLATION (SO. FT.)	NUMBER OF REQUIRED TUBULAR STEEL POSTS
9 OR LESS	1
GREATER THAN 9 LESS THAN OR EQUAL TO 18	2
GREATER THAN 18 LESS THAN OR EQUAL TO 27	3

SIGNS WIDER THAN 3 FEET OR LARGER THAN 9 SO.FT. SHALL BE MOUNTED ON MULTIPLE POSTS (SEE ABOVE TABLE). SIGNS LARGER THAN 27 SO.FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

#### URBAN AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

WOOD POST **EMBEDMENT DEPTH** 

AREA OF SIGN INSTALLATION (SQ. FT.)	D (MIN)
20 OR LESS	4'
GREATER THAN 20	5'

4" X 6" WOOD POST

POST SPACING REQUIREMENTS		NUMBER OF	
L	E	WOOD POSTS REQUIRED	
48" OR LESS AND LESS THAN 20 SO.FT.	-	1	
LESS THAN 60"	12"	2	٤
60" TO 120"	L/5	2	
GREATER THAN 120" LESS THAN 168"	12"	3	
168" AND GREATER	12"	4	

SEE NOTE (3)

RURAL AREA

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

-11

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6

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6

- 11/2" DIAMETER HOLES

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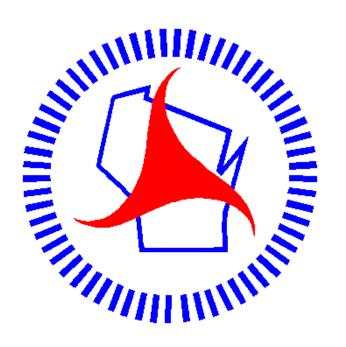
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

> /S/ Andrew Heidtke WORK ZONE ENGINEER

APPROVED

June 2017 DATE

0  $\infty$ **2**D 



## Wisconsin Department of Transportation

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