SUP

PROJECT ID: **1610-11-70**

COUNTY: **ASHLAND**

NOVEMBER 2021

ORDER OF SHEETS

TOTAL SHEETS = 54

27

N

DESIGN DESIGNATION 1610-11-01

A.A.D.T.	2020	=	1300
A.A.D.T.	2040	=	1400
D.H.V.		=	120
D.D.		=	60/40
T.		=	30.6%
DESIGN SPEED		=	55 MPH
ESALS		=	1,600,000

CONVENTIONAL SYMBOLS

PLAN

- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE (300'EB')
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS (CAUTION)
- MARSH AREA
- WOODED OR SHRUB AREA

PROFILE

- GRADE LINE
- ORIGINAL GROUND
- MARSH OR ROCK PROFILE (To be noted as such) (ROCK)
- SPECIAL DITCH (LABEL)
- GRADE ELEVATION (95.36)
- CULVERT (Profile View)

UTILITIES

- ELECTRIC (E)
- FIBER OPTIC (FO)
- GAS (G)
- SANITARY SEWER (SAN)
- STORM SEWER (SS)
- TELEPHONE (T)
- WATER (W)
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

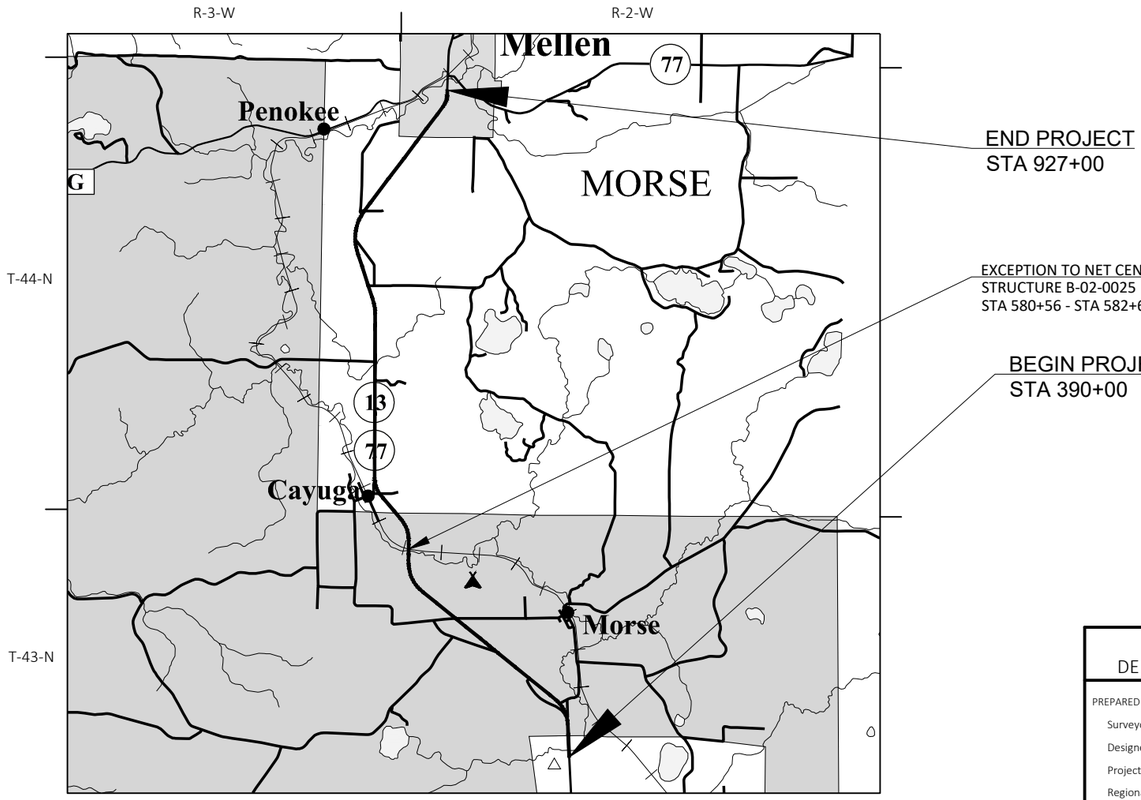
PARK FALLS - MELLEN

MORSE ROAD TO JEFFERSON AVENUE

STH 13
ASHLAND COUNTY

STATE PROJECT NUMBER
1610-11-70

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1610-11-70	WISC 2022044	1



END PROJECT
STA 927+00

EXCEPTION TO NET CENTERLINE LENGTH
STRUCTURE B-02-0025
STA 580+56 - STA 582+66

BEGIN PROJECT
STA 390+00

LAYOUT
SCALE 0 2 MI

TOTAL NET LENGTH OF CENTERLINE = 10.17

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, COUNTY COUNTY, NAD83 (YEAR), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	WISDOT
Designer	TRAVIS JENSEN
Project Manager	MATT DICKENSON
Regional Examiner	TOU YANG
Regional Supervisor	JEFF OLSON

APPROVED FOR THE DEPARTMENT

DATE: 8/31/21 Matthew J Dickenson (Signature)

E

FILE NAME : N:\PDS\C3D\16101101\SHEETSPLAN\16101101_TITLE.DWG PLOT DATE : 8/10/2021 10:18 AM PLOT BY : PEARSON, MICHAEL R PLOT NAME :

UTILITIES

CENTURY LINK
COMMUNICATION LINES
PO BOX 78
HAWKINS, WI, 54530
BENJAMIN BAKER
BEN.BAKER@CENTURYLINK.COM
715-585-6303

ASTREA
COMMUNICATION LINES
105 KENT ST
PO BOX 190
IRON MOUNTAIN, MI, 49801
RUSSEL KENNY
RUSSEL.KENNY@ASTREACONNECT.COM
906-282-6434

PRICE ELECTRIC COOP INC
ELECTRICITY
PO BOX 110
PHILIPS, WI 54555-0110
BEN ORYSEN
BORYSEN@PRICE-ELECTRIC.COM
715-339-2155

EXCEL ENERGY
ELECTRICITY
2400 FARM ROAD
ASHLAND, WI 54808
MURRAY SMERER
MURRAY.J.SMERER@XCELENERGY.COM
715-682-6928

EXCEL ENERGY
TRANSMISSION
414 NICOLLET MALL 5TH FLOOR
MINNEAPOLIS, MN 55401
MITCHELL DIENGER
MITCHELL.A.DIENGER@XCELENERGY.COM
612-321-3109

BAYFIELD ELECTRIC COOP
ELECTRICAL FACILITIES
PO BOX 68
IRON RIVER, WI 548
GARY TARASEWICZ
GARY.TARASEWICS@BAYFIELDELECTRIC.COM
715-372-4287

CONTACTS

WISCONSIN DNR
WISCONSIN DNR NORTHERN REGION
810 WEST MAPLE STREET
SPOONER, WI, 54801
SHAWN HASELEU - DNR LIAISON
SHAWN.HASELEU@WISCONSIN.GOV
715-635-4228

WISDOT DESIGN CONTACT
WISDOT NW REGION
1701 N 4TH STREET
SUPERIOR, WI, 54880
MATT DICKENSON - PROJECT MANAGER
MATTHEW.DICKENSON@DOT.WI.GOV
715-395-3022

WISCONSIN CENTRAL LTD (CN)
3192 S POKEGAMA ROAD
SUPERIOR, WI, 54880
JACKIE MACEWICZ
JACKIE.MACEWICZ@CN.CA
715-345-2503
NOTE: WCL (CN) IS NOT PART OF DIGGER HOTLINE.
CALL CN BEFORE YOU DIG PER SPECIAL PROVISIONS.

GENERAL NOTES

WHEN THE QUANTITY OF BASE AGGREGATE OR PAVEMENT IS MEASURED FOR PAYMENT BY THE TON OR BY THE CUBIC YARD, THE DEPTH OR THICKNESS OF THE LAYER SHOWN ON THE PLANS IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

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

THE LOCATION OF DRIVEWAYS WILL BE DETERMINED BY THE ENGINEER.

THE LOCATIONS OF UTILITY FACILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE PRIOR TO THE START OF WORK.

CURVE DATA IS BASED ON THE ARC DEFINITION.

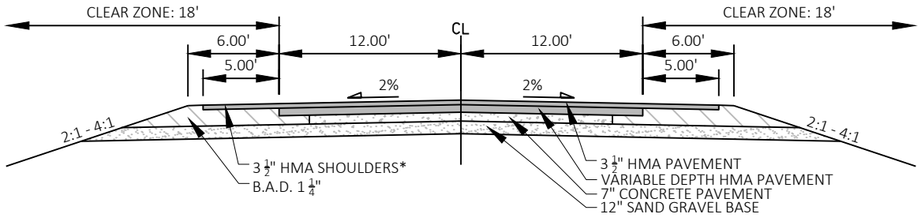
THE EXACT LOCATION OF EROSION CONTROL DEVICES SHALL BE DETERMINED IN THE FIELD.

NO EQUIPMENT OR MATERIALS SHALL BE STORED IN WETLAND AREAS.

PAVEMENT QUANTITIES ARE BASED ON 112 LBS/SY COMPACTED 1" THICK.

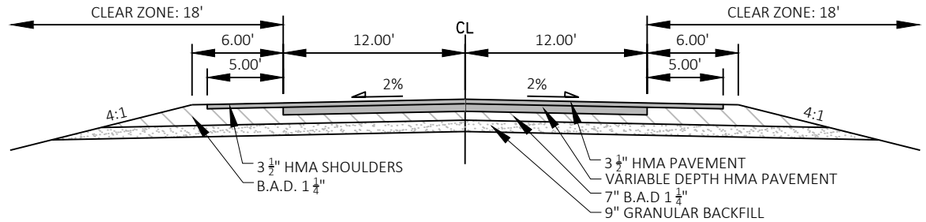
SUPERELEVATIONS SHALL MATCH EXISTING EXCEPT STATION 920+00 TO STATION 928+58 WHICH SHALL MATCH THE CURVE NOTES IN THE PLAN. THE FIELD ENGINEER SHALL PROVIDE MILLING AND PAVING SPECIFICATIONS NECESSARY TO AFFECT THE REQUIRED CROSS SLOPES.

DIGGERS HOTLINE
Dial 811 or (800)242-8511
www.DiggersHotline.com

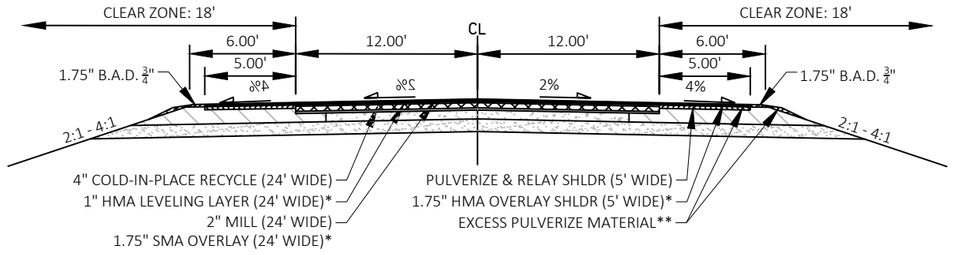


EXISTING TYPICAL SECTION STH 13
STA 390+00 - 565+55.76

*6 ½" HMA SHOULDERS
STA 390+00 - 410+86.52
STA 604+44.55 - 927+00



EXISTING TYPICAL SECTION STH 13
STA 565+55.76 - 604+44.55

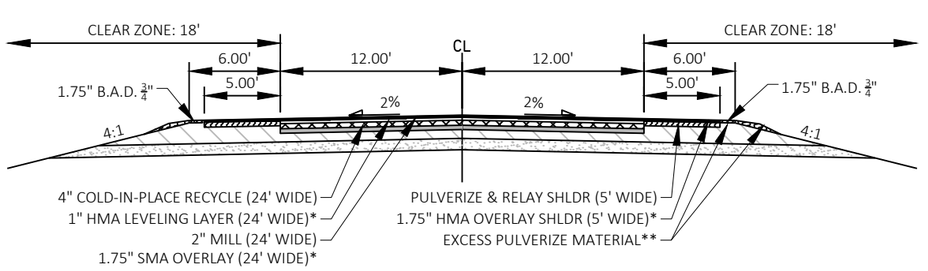


PROPOSED TYPICAL SECTION STH 13
STA 390+00 - 565+55.76
STA 604+44.55 - 927+00

EXCEPTIONS SHOWN ON NEXT PAGE

*PAVEMENT TYPE
-DRIVING LANES: 4 SMA 58-34 V
-SHOULDERS / LEVELING LAYER: 4 MT 58-34 S

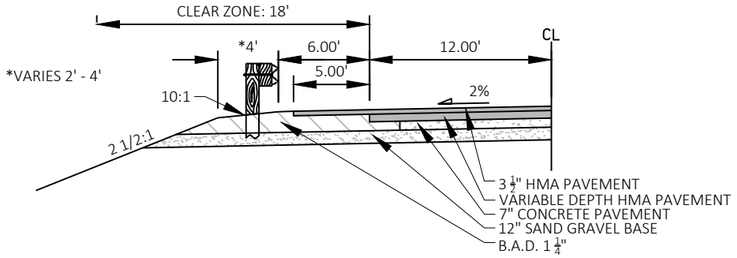
**CONSTRUCTION SEQUENCE NOTES
- DRIVING LANES: 2" MILL (24' WIDE), 4" CIR (24' WIDE), 1" HMA LEVELING (24' WIDE), 1.75" SMA (24' WIDE)
- SHOULDERS: PULVERIZE & RELAY (5' WIDE EACH SIDE - BLADE OFF 1" OVER THE SHOULDER POINT TO MATCH ML LEVELING LAYER FOR FINAL OVERLAY), 1.75" HMA OVERLAY (5' WIDE EACH SIDE). BLADING OF MATERIAL OFF SHOULDER IS INCIDENTAL TO ITEM: PULVERIZE & RELAY.



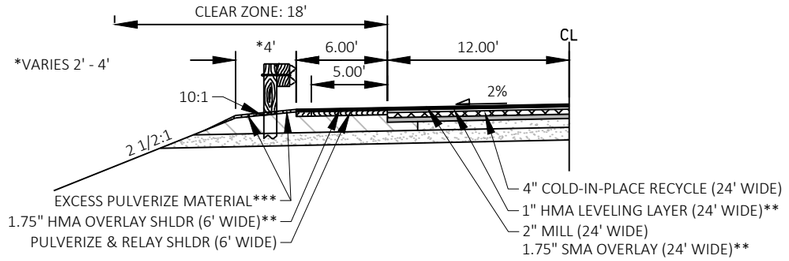
PROPOSED TYPICAL SECTION STH 13
STA 565+55.76 - 604+44.55

*PAVEMENT TYPE
-DRIVING LANES: 4 SMA 58-34 V
-SHOULDERS / LEVELING LAYER: 4 MT 58-34 S

**CONSTRUCTION SEQUENCE NOTES
- DRIVING LANES: 2" MILL (24' WIDE), 4" CIR (24' WIDE), 1" HMA LEVELING (24' WIDE), 1.75" SMA (24' WIDE)
- SHOULDERS: PULVERIZE & RELAY (5' WIDE EACH SIDE - BLADE OFF 1" OVER THE SHOULDER POINT TO MATCH ML LEVELING LAYER FOR FINAL OVERLAY), 1.75" HMA OVERLAY (5' WIDE EACH SIDE). BLADING OF MATERIAL OFF SHOULDER IS INCIDENTAL TO ITEM: PULVERIZE & RELAY.



EXISTING HALF TYPICAL SECTION STH 13
STA 438+50 - 446+00 (L)
STA 470+50 - 480+00 (L)
STA 717+00 - 721+00 (R)
STA 804+10 - 808+00 (L)
STA 813+00 - 826+00 (L)



PROPOSED HALF TYPICAL SECTION STH 13
STA 438+50 - 446+00 (L)
STA 470+50 - 480+00 (L)
STA 717+00 - 721+00 (R)
STA 804+10 - 808+00 (L)
STA 813+00 - 826+00 (L)

**PAVEMENT TYPE
-DRIVING LANES: 4 SMA 58-34 H
-SHOULDERS / LEVELING LAYER: 4 MT 58-34 S

***CONSTRUCTION SEQUENCE NOTES
- DRIVING LANES: 2" MILL (24' WIDE), 4" CIR (24' WIDE), 1" HMA LEVELING (24' WIDE), 1.75" SMA (24' WIDE)
- SHOULDERS: PULVERIZE & RELAY (6' WIDE EACH SIDE - BLADE OFF 1" OVER THE SHOULDER POINT TO MATCH ML LEVELING LAYER FOR FINAL OVERLAY), 1.75" HMA OVERLAY (6' WIDE EACH SIDE). BLADING OF MATERIAL OFF SHOULDER IS INCIDENTAL TO ITEM: PULVERIZE & RELAY.

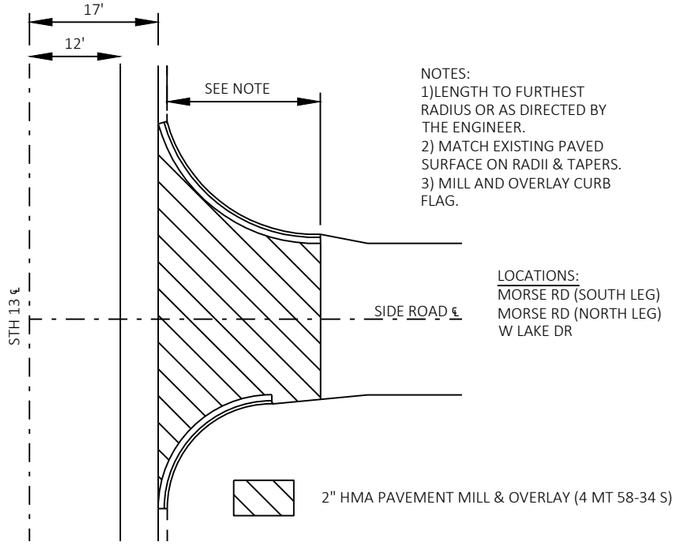
PAVEMENT CORING DATA
STA 392+27: 8 1/4"
STA 415+50: 5 3/4"
STA 426+50: 9 1/4"
STA 443+15: 10"
STA 451+10: 13"
STA 483+50: 9 1/2"
STA 519+50: 10"
STA 520+50: 9 1/2"
STA 540+50: 8"
STA 556+00: 8 1/2"
STA 581+25: 8 3/4"
STA 591+00: 7 7/8"
STA 608+00: 8 1/4"
STA 626+00: 9 1/2"

STATIONS ARE APPROXIMATE

PAVEMENT GPR DATA
STA 650+30: 9"
STA 671+80: 11"
STA 703+00: 12"
STA 729+35: 12"
STA 755+00: 10 1/2"
STA 783+00: 9"
STA 810+00: 8 1/2"
STA 838+00: 10"

STATIONS ARE APPROXIMATE

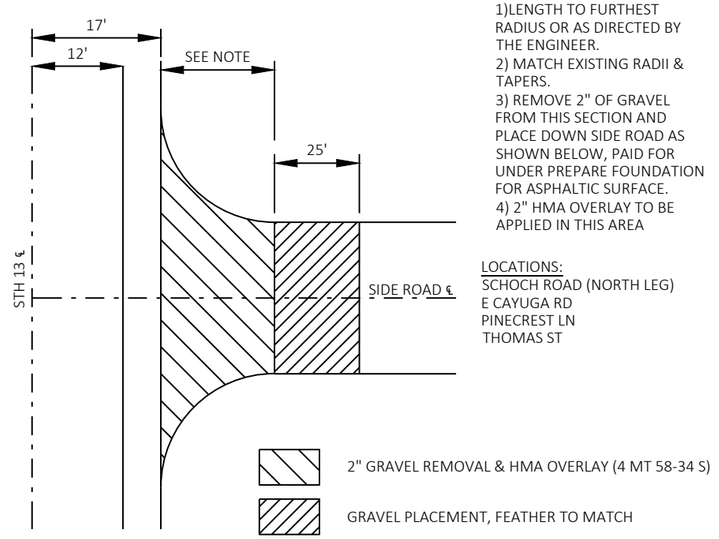
NOTE:
CIR MILLING MACHINE MAY HIT THE EXISTING PCC BASED ON THE CORING DATA.
THE CIR PROCESS SHOULD STOP AT THE TOP OF THE PCC.



NOTES:
1)LENGTH TO FURTHEST RADIUS OR AS DIRECTED BY THE ENGINEER.
2) MATCH EXISTING PAVED SURFACE ON RADII & TAPERS.
3) MILL AND OVERLAY CURB FLAG.

LOCATIONS:
MORSE RD (SOUTH LEG)
MORSE RD (NORTH LEG)
W LAKE DR

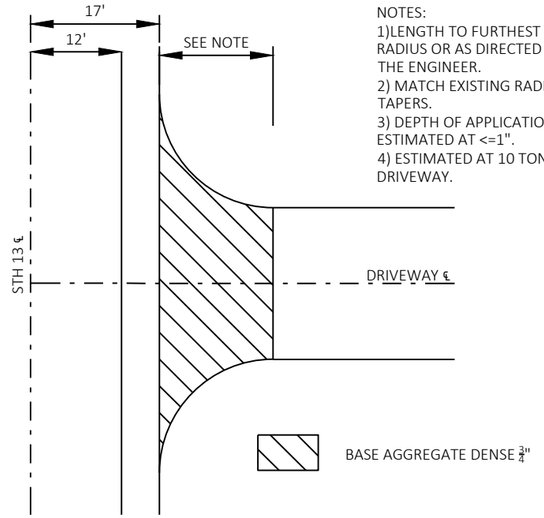
DETAIL OF PAVED SIDE ROAD WITH CURB & GUTTER



NOTES:
1)LENGTH TO FURTHEST RADIUS OR AS DIRECTED BY THE ENGINEER.
2) MATCH EXISTING RADII & TAPERS.
3) REMOVE 2" OF GRAVEL FROM THIS SECTION AND PLACE DOWN SIDE ROAD AS SHOWN BELOW, PAID FOR UNDER PREPARE FOUNDATION FOR ASPHALTIC SURFACE.
4) 2" HMA OVERLAY TO BE APPLIED IN THIS AREA

LOCATIONS:
SCHOCH ROAD (NORTH LEG)
E CAYUGA RD
PINECREST LN
THOMAS ST

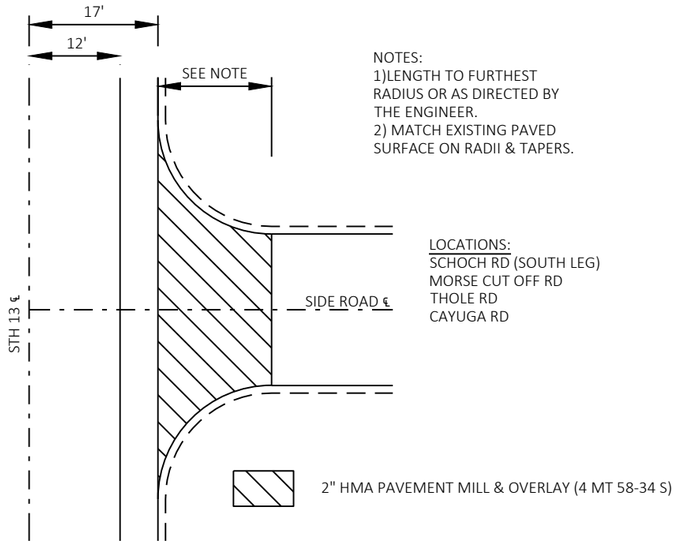
DETAIL OF UNPAVED SIDE ROAD WITH UNPAVED APPROACH



NOTES:
1)LENGTH TO FURTHEST RADIUS OR AS DIRECTED BY THE ENGINEER.
2) MATCH EXISTING RADII & TAPERS.
3) DEPTH OF APPLICATION ESTIMATED AT <=1".
4) ESTIMATED AT 10 TONS / DRIVEWAY.

DETAIL OF GRAVEL DRIVEWAY

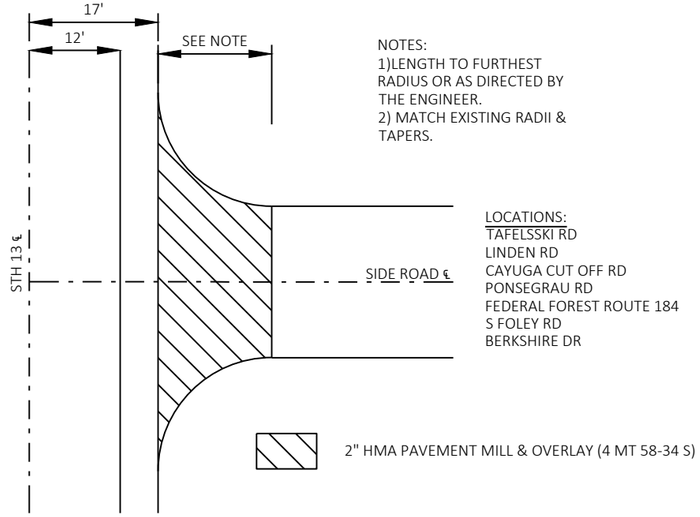
- 394+44L
- 395+76R
- 400+17L
- 403+19R
- 403+39L
- 407+96L
- 423+53L
- 424+80R
- 455+06R
- 481+50R
- 495+98R
- 497+25L
- 511+36R
- 513+27L
- 523+61R
- 523+68L
- 533+50R
- 552+17L
- 565+68L
- 586+00L
- 586+10R
- 611+02R
- 620+05L
- 624+50R
- 626+80L
- 641+55R
- 641+55L
- 649+45L
- 650+15R
- 665+00L
- 661+95R
- 665+90L
- 685+00R
- 686+35L
- 691+20R
- 693+20L
- 696+40R
- 703+75R
- 705+55L
- 710+40L
- 711+64R
- 730+95R
- 730+95L
- 741+25L
- 745+50R
- 747+85R
- 747+90L
- 751+75L
- 763+10L
- 768+30L
- 768+35R
- 777+40R
- 780+75L
- 797+90L
- 799+90L
- 801+45R
- 803+85L
- 808+25L
- 826+20R
- 826+45L
- 840+00R
- 840+00L
- 845+00R
- 845+05L
- 854+60L
- 854+65R
- 861+45R
- 873+35R
- 873+75L
- 875+95R
- 876+80L
- 881+85L
- 885+30R
- 888+30R
- 890+25L
- 891+10L
- 902+45L
- 904+30R
- 907+05L
- 907+15R
- 911+80R
- 916+80R
- 917+20L
- 924+40L
- 924+50R



NOTES:
1)LENGTH TO FURTHEST RADIUS OR AS DIRECTED BY THE ENGINEER.
2) MATCH EXISTING PAVED SURFACE ON RADII & TAPERS.

LOCATIONS:
SCHOCH RD (SOUTH LEG)
MORSE CUT OFF RD
THOLE RD
CAYUGA RD

DETAIL OF PAVED SIDE ROAD WITH NO CURB & GUTTER



NOTES:
1)LENGTH TO FURTHEST RADIUS OR AS DIRECTED BY THE ENGINEER.
2) MATCH EXISTING RADII & TAPERS.

LOCATIONS:
TAFELSSKI RD
LINDEN RD
CAYUGA CUT OFF RD
PONSEGRAU RD
FEDERAL FOREST ROUTE 184
S FOLEY RD
BERKSHIRE DR

DETAIL OF UNPAVED SIDE ROAD WITH PAVED APPROACH

PROJECT NO: 1610-11-70	HWY: STH 13	COUNTY: ASHLAND	PLAN: CONSTRUCTION DETAILS	SHEET 5	E

PLACE SIGNS 350' IN ADVANCE OF
PAVING OPERATIONS.
ADD BUMP SIGN AT ALL PROFILE
CHANGES EXCEEDING ONE INCH.

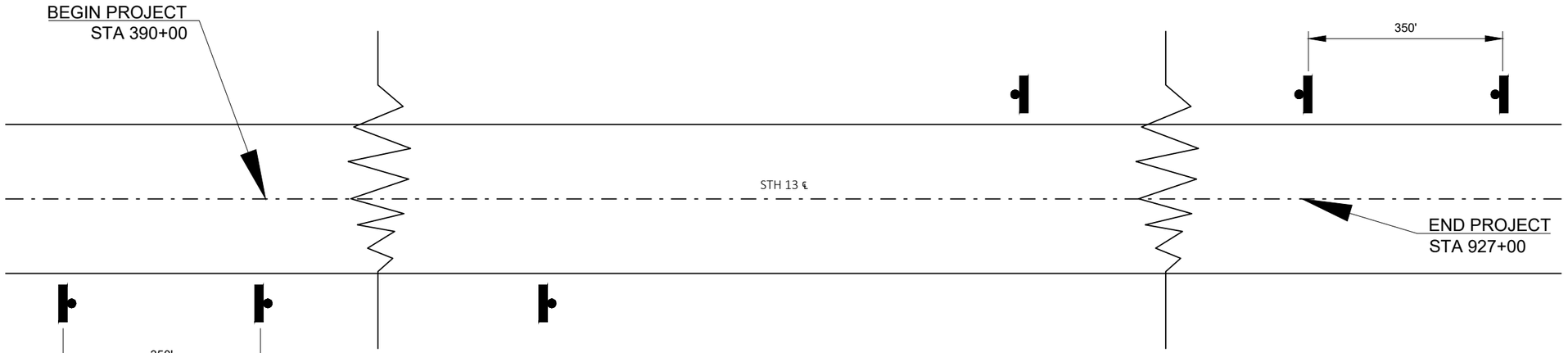
W8-11
48"X48"

WO13-1
36"X36"

WO16-7L
48"x24"

W8-11
48"X48"

WO13-1
36"X36"



W8-11
48"X48"

WO13-1
36"X36"

WO16-7L
48"X24"

W8-11
48"X48"

WO13-1
36"X36"

PLACE SIGNS 350' IN ADVANCE OF
PAVING OPERATIONS.
ADD BUMP SIGN AT ALL PROFILE
CHANGES EXCEEDING ONE INCH.

DETAIL FOR SIGNING ON CIR PAVEMENT SURFACES

NOTES:

USE SDD 15C4 (TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC) FOR ADVANCE WARNING SIGNS.

DRAWING NOT TO SCALE. ALL SIGNS & POSTS ON THIS SHEET SHALL BE PAID FOR WITH "TRAFFIC CONTROL SIGNS".

ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD). SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISDOT STANDARD SIGN PLATES.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE. ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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

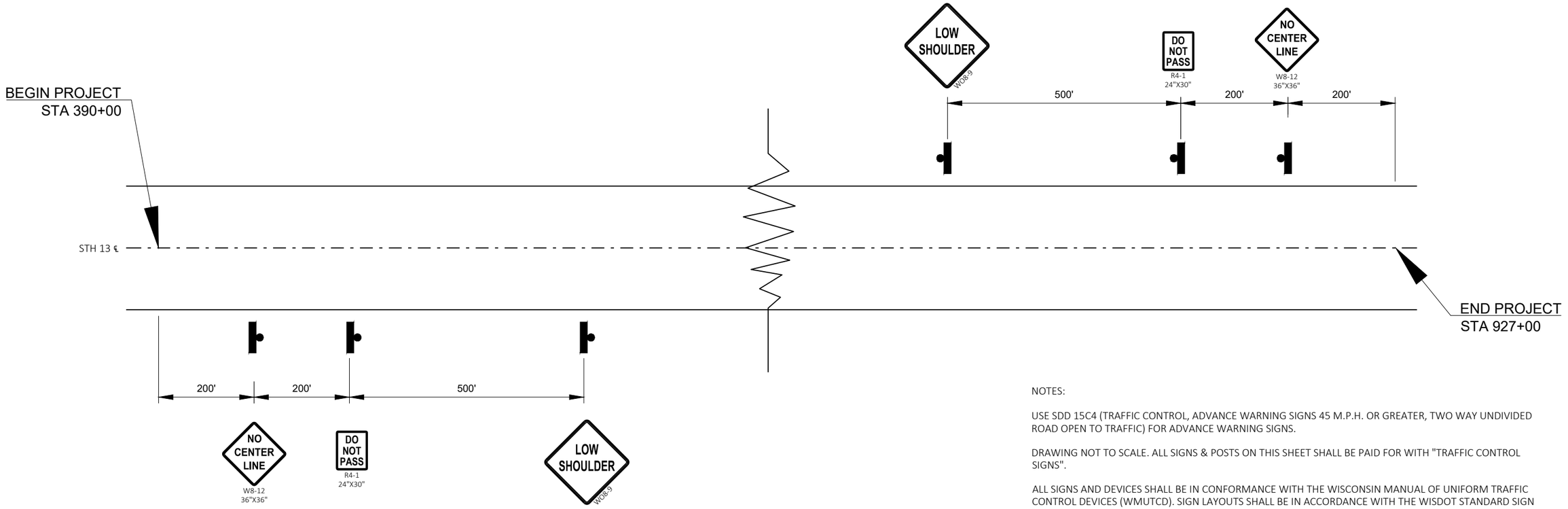
ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE CONTROL ZONE, INCLUDING PRE-EXISTING SIGNING IN THE VICINITY, SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.

SEE NEXT DETAIL SHEET FOR ADDITIONAL TRAFFIC CONTROL SIGNING WHEN CENTERLINE PAVEMENT MARKINGS ARE MISSING. "DO NOT PASS" SIGNS MUST BE INSTALLED UNTIL PAVEMENT MARKINGS ARE IN PLACE.

WHEN CIR OPERATIONS EXTEND BEYOND ONE MILE IN LENGTH, PLACE SHOWN SIGNS AT ONE MILE INTERVALS.

NOTES:
SEE SDD 15C34 "STANDARD APPLICATION FOR TEMPORARY RAISED PAVEMENT MARKERS TYPE II" FOR PLACEMENT AND FREQUENCY OF R4-1 & W8-12 SIGNS.

W08-9 SIGNS SHALL BE PLACED AT LEAST 200' IN ADVANCE OF THE LOW SHOULDER CONDITION AND EVERY 1 MILE IF CIR OPERATIONS EXTEND BEYOND 1 MILE.



DETAIL FOR SIGNING ON HMA PAVEMENT SURFACES

NOTES:

USE SDD 15C4 (TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC) FOR ADVANCE WARNING SIGNS.

DRAWING NOT TO SCALE. ALL SIGNS & POSTS ON THIS SHEET SHALL BE PAID FOR WITH "TRAFFIC CONTROL SIGNS".

ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD). SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISDOT STANDARD SIGN PLATES.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE. ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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

ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE CONTROL ZONE, INCLUDING PRE-EXISTING SIGNING IN THE VICINITY, SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.

REMOVE OR COVER W8-12 AND R4-1 SIGNS IMMEDIATELY FOLLOWING PLACEMENT OF TEMPORARY OR SAME-DAY PAVEMENT MARKING.

Estimate Of Quantities

1610-11-70

Line	Item	Item Description	Unit	Total	Qty
0002	204.0120	Removing Asphaltic Surface Milling	SY	142,640.000	142,640.000
0004	204.0126.S	Removing Asphaltic Longitudinal Notched Wedge Joint Milling	LF	53,700.000	53,700.000
0006	211.0100	Prepare Foundation for Asphaltic Paving (project) 01. 1610-11-70	LS	1.000	1.000
0008	213.0100	Finishing Roadway (project) 01. 1610-11-70	EACH	1.000	1.000
0010	305.0110	Base Aggregate Dense 3/4-Inch	TON	2,129.000	2,129.000
0012	325.0100	Pulverize and Relay	SY	59,433.000	59,433.000
0014	455.0605	Tack Coat	GAL	20,192.000	20,192.000
0016	455.0770.S	Asphalt Stabilizing Agent	TON	571.000	571.000
0018	460.0105.S	HMA Percent Within Limits (PWL) Test Strip Volumetrics	EACH	1.000	1.000
0020	460.0115.S	HMA Pavement Test Strips Volumetrics	EACH	1.000	1.000
0022	460.0120.S	HMA Pavement Test Strips Density	EACH	1.000	1.000
0024	460.2000	Incentive Density HMA Pavement	DOL	11,183.000	11,183.000
0026	460.2010	Incentive Air Voids HMA Pavement	DOL	11,334.000	11,334.000
0028	460.6244	HMA Pavement 4 MT 58-34 S	TON	14,167.000	14,167.000
0030	460.8644	HMA Pavement 4 SMA 58-34 V	TON	13,979.000	13,979.000
0032	460.9000.S	Material Transfer Vehicle	EACH	1.000	1.000
0034	465.0110	Asphaltic Surface Patching	TON	150.000	150.000
0036	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	20.000	20.000
0038	465.0425	Asphaltic Shoulder Rumble Strips 2-Lane Rural	LF	106,980.000	106,980.000
0040	465.0475	Asphalt Centerline Rumble Strips 2-Lane Rural	LF	53,490.000	53,490.000
0042	618.0100	Maintenance And Repair of Haul Roads (project) 01. 1610-11-70	EACH	1.000	1.000
0044	619.1000	Mobilization	EACH	1.000	1.000
0046	624.0100	Water	MGAL	32.000	32.000
0048	642.5201	Field Office Type C	EACH	1.000	1.000
0050	643.0900	Traffic Control Signs	DAY	2,532.000	2,532.000
0052	643.0920	Traffic Control Covering Signs Type II	EACH	160.000	160.000
0054	643.5000	Traffic Control	EACH	1.000	1.000
0056	646.1020	Marking Line Epoxy 4-Inch	LF	61,823.000	61,823.000
0058	646.1040	Marking Line Grooved Wet Ref Epoxy 4-Inch	LF	106,125.000	106,125.000
0060	649.0105	Temporary Marking Line Paint 4-Inch	LF	165,084.000	165,084.000
0062	649.0120	Temporary Marking Line Epoxy 4-Inch	LF	55,028.000	55,028.000
0064	650.8000	Construction Staking Resurfacing Reference	LF	53,700.000	53,700.000
0066	650.9910	Construction Staking Supplemental Control (project) 01. 1610-11-70	LS	1.000	1.000
0068	740.0440	Incentive IRI Ride	DOL	26,745.000	26,745.000
0070	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,500.000	2,500.000
0072	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	1,440.000	1,440.000
0074	SPV.0035	Special 01. Base Repair for CIR Pavement	CY	30.000	30.000
0076	SPV.0060	Special 01. Prepare Foundation For HMA Upper Layer 1610-11-70	EACH	1.000	1.000
0078	SPV.0180	Special 01. Cold-In-Place Recycling (CIR) Pavement Partial Depth	SY	142,640.000	142,640.000

3

REMOVING ASPHALTIC SURFACE MILLING

CATEGORY	STATION TO	STATION	LOCATION	204.0120 SY	REMARKS
0010	39000	- 58056	MAINLINE	50816	2" DEEP
0010	58266	- 92700	MAINLINE	91824	2" DEEP
			TOTAL 0010	142640	

REMOVING ASPHALTIC LONGITUDINAL NOTCHED WEDGE JOINT MILLING, ITEM 204.0126.S

CAT	STATION TO	STATION	LOCATION	204.0126.S LF	REMARKS
0010	390+00	- 927+00	SMA PAVEMENT	53700	CENTERLINE
			TOTAL 0010	53700	

TACK COAT

CATEGORY	STATION TO	STATION	LOCATION	455.0605 GAL	REMARKS
MAINLINE					
0010	390+00	- 580+56	MAINLINE	7114	24' WIDE
0010	582+66	- 927+00	MAINLINE	12855	24' WIDE
SIDEROADS					
0010		415+60	MORSE CUT OFF ROAD	20	
0010		415+60	SCHOCH ROAD	13	
0010		426+33	MORSE ROAD	28	
0010		453+56	SCHOCH ROAD	12	
0010		483+17	LINDEN RD	14	
0010		519+33	MORSE RD	20	
0010		519+90	THOLE ROAD	16	
0010		527+54	E CAYUGA ROAD	3	
0010		527+90	CAYUGA ROAD	21	
0010		636+00	CAYUGA CUT OFF ROAD	12	
0010		707+05	PONSEGRAU ROAD	6	
0010		720+30	FEDERAL FOREST ROUTE 184	8	
0010		773+80	LAKE DRIVE	11	
0010		807+74	FOLEY ROAD	18	
0010		828+55	FOLEY ROAD	7	
0010		829+00	TAFESLKI ROAD	8	
0010		909+28	BERKSHIRE DRIVE	5	
			TOTAL 0010	20192	

NOTE: ASSUMES 2 APPS OF TACK
(1 ON CIR, 1 ON LEVELING LAYER)

PREPARE FOUNDATION FOR ASPHALTIC PAVING (1610-11-70)

CATEGORY	STATION	LOCATION	211.0100 LS	REMARKS
0010	453+56	SCHOCH RD (N LEG)	0.25	:E DETAIL OF UNPAVED SIDE RD W UNPAVED APPR.
0010	527+54	E CAYUGA RD	0.25	:E DETAIL OF UNPAVED SIDE RD W UNPAVED APPR.
0010	893+83	PINECREST LN	0.25	:E DETAIL OF UNPAVED SIDE RD W UNPAVED APPR.
0010	913+00	THOMAS ST	0.25	:E DETAIL OF UNPAVED SIDE RD W UNPAVED APPR.
		TOTAL 0010	1	

BASE AGGREGATE DENSE 3/4-INCH

CATEGORY	STATION TO	STATION	LOCATION	305.0110 TON	REMARKS
0010	390+00	- 437+31	MAINLINE SHOULDERS	105	
0010	437+31	- 447+19	MAINLINE SHOULDERS	22	BG LEFT SIDE
0010	447+19	- 469+30	MAINLINE SHOULDERS	49	
0010	469+30	- 481+19	MAINLINE SHOULDERS	26	BG LEFT SIDE
0010	481+19	- 580+56	MAINLINE SHOULDERS	221	
0010	582+66	- 802+92	MAINLINE SHOULDERS	489	
0010	802+92	- 809+18	MAINLINE SHOULDERS	14	BG LEFT SIDE
0010	809+18	- 811+81	MAINLINE SHOULDERS	6	
0010	811+81	- 827+17	MAINLINE SHOULDERS	34	BG LEFT SIDE
0010	827+17	- 927+00	MAINLINE SHOULDERS	222	
0010			DRIVEWAY / FIELD ENTRANCES	840	84 DRIVEWAYS @ 10 TONS/EACH
0010			UNDISTRIBUTED	100	
			TOTAL 0010	2129	

PULVERIZE AND RELAY

CATEGORY	STATION TO	STATION	LOCATION	325.0100 SY	REMARKS
0010	390+00	- 580+56	MAINLINE SHLDRS	21173	ASSUME 5' EACH SIDE
0010	582+66	- 927+00	MAINLINE SHLDRS	38260	ASSUME 5' EACH SIDE
			TOTAL 0010	59433	

FINISHING ROADWAY (1610-11-70)

CATEGORY	STATION TO	STATION	LOCATION	213.0100 EACH	REMARKS
0010	390+00	- 927+00	PROJECT	1	
			TOTAL 0010	1	

3

ASPHALT STABILIZING AGENT

CATEGORY	STATION TO	STATION	LOCATION	455.0770.S TON	REMARKS
0010	390+00	- 927+00	MAINLINE	571	
			TOTAL 0010	571	

HMA PAVEMENT TEST STRIP

CATEGORY	LOCATION	460.0100.S EACH
0010	PROJECT	1
	TOTAL 0010	1

HMA PERCENT WITHIN LIMITS (PWL) TEST STRIP VOLUMETRICS

CATEGORY	LOCATION	460.0105.S EACH
0010	PROJECT	1
	TOTAL 0010	1

HMA PAVEMENT TEST STRIP VOLUMETRICS

CATEGORY	LOCATION	460.0115.S EACH
0010	PROJECT	1
	TOTAL 0010	1

HMA PAVEMENT TEST STRIP DENSITY

CATEGORY	LOCATION	460.0120.S EACH
0010	PROJECT	1
	TOTAL 0010	1

HMA PAVEMENT 4 SMA 58-34 V

CATEGORY	STATION TO	STATION	LOCATION	460.8644 TON	REMARKS
0010	390+00	- 580+56	MAINLINE DRIVING LANES	4980	1.75" DEE
0010	582+66	- 927+00	MAINLINE DRIVING LANES	8999	1.75" DEE
			TOTAL 0010	13979	

ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES

CATEGORY	STATION	LOCATION	465.0120 TON
0010	861+45	DRIVEWAY - R	10
0010	907+05	DRIVEWAY - L	10
		TOTAL 0010	20

HMA PAVEMENT 4 MT 58-34 S

CATEGORY	STATION TO	STATION	LOCATION	460.6244 TON	REMARKS
0010	390+00	- 580+56	MAINLINE DRIVING LANES	2846	1" LEVELING
0010	582+66	- 927+00	MAINLINE DRIVING LANES	5142	1" LEVELING
0010	390+00	- 580+56	MAINLINE SHOULDERS	2075	1.75" DEEP
0010	582+66	- 927+00	MAINLINE SHOULDERS	3749	1.75" DEEP
0010		415+60	MORSE CUT OFF ROAD	31	2" DEEP
0010		415+60	SCHOCH ROAD	21	2" DEEP
0010		426+33	MORSE ROAD	44	2" DEEP
0010		453+56	SCHOCH ROAD	19	2" DEEP
0010		483+17	LINDEN RD	23	2" DEEP
0010		519+33	MORSE RD	32	2" DEEP
0010		519+90	THOLE ROAD	26	2" DEEP
0010		527+54	E CAYUGA ROAD	5	2" DEEP
0010		527+90	CAYUGA ROAD	33	2" DEEP
0010		636+00	CAYUGA CUT OFF ROAD	20	2" DEEP
0010		707+05	PONSEGRAU ROAD	10	2" DEEP
0010		720+30	FEDERAL FOREST ROUTE 184	12	2" DEEP
0010		773+80	LAKE DRIVE	18	2" DEEP
0010		807+74	FOLEY ROAD	28	2" DEEP
0010		828+55	FOLEY ROAD	11	2" DEEP
0010		829+00	TAFESLKI ROAD	13	2" DEEP
0010		909+28	BERKSHIRE DRIVE	8	2" DEEP
			TOTAL 0010	14167	

ASPHALTIC SURFACE PATCHING

CATEGORY	STATION TO	STATION	LOCATION	465.0110 TON	REMARKS
0010	390+00	- 927+00	UNDISTRIBUTED	150	PREPARE FOUNDATION FOR CIR & SMA / HMA
			TOTAL 0010	150	

ASPHALTIC SHOULDER RUMBLE STRIPS 2-LANE RURAL

CATEGORY	STATION TO	STATION	LOCATION	465.0425 LF	REMARKS
0010	390+00	- 580+56	SHOULDERS	38112	
0010	582+66	- 927+00	SHOULDERS	68868	
			TOTAL 0010	106980	

ASPHALT CENTER LINE RUMBLE STRIPS 2-LANE RURAL

CATEGORY	STATION TO	STATION	LOCATION	465.0475 LF	REMARKS
0010	390+00	- 580+56	CENTERLINE	19056	
0010	582+66	- 927+00	CENTERLINE	34434	
			TOTAL 0010	53490	

3

MAINTENANCE AND REPAIR OF HAUL ROADS (1610-11-70)

CATEGORY	LOCATION	618.0100 EACH	REMARKS
0010	PROJECT	1	
	TOTAL 0010	1	

MOBILIZATION

CATEGORY	LOCATION	619.1000 EACH	REMARKS
0010	PROJECT	1	
	TOTAL 0010	1	

WATER

CAT	STATION TO	STATION	LOC	624.0100 MGAL	REMARKS
0010	390+00 -	927+00	UNDIST.	32	15 GAL/TON
		TOTAL 0010		32	

FIELD OFFICE TYPE C

CATEGORY	LOCATION	642.5201 EACH	REMARKS
0010	PROJECT	1	
	TOTAL 0010	1	

TRAFFIC CONTROL SIGNS

CATEGORY	SIGNS	DAYS	LOCATION	643.0900 DAY	REMARKS
0010	10.00	60.00	BEGINNING AND END OF WORK ZONE	600	PER SDD 15C4
0010	18.00	60.00	SIDEROADS	1080	PER SDD 15C4
0010	12.00	21.00	CIR SURFACES	252	ER DETAIL FOR SIGNING ON CIR PVT SURF
0010	60.00	10.00	NO CL/NO PASSING	600	ER DETAIL FOR SIGNING ON HMA PVT SURF
			TOTAL 0010	2532	

TRAFFIC CONTROL

CATEGORY	LOCATION	643.5000 EACH
0010	PROJECT	1
	TOTAL 0010	1

TRAFFIC CONTROL COVERING SIGNS TYPE II

CAT	STATION TO	STATION	LOCATION	643.0920 EACH	REMARKS		
0010	390+00 -	927+00	TC SIGNS: R4-1, W8-12	40	STAGE 1	REPEATED	STH 13 CENTERLINE (MILLED SURF)
0010	390+00 -	927+00	TC SIGNS: R4-1, W8-12	40	STAGE 2	EACH MILE	STH 13 CENTERLINE (ON CIR)
0010	390+00 -	927+00	TC SIGNS: R4-1, W8-12	40	STAGE 3	FOR 10	CENTERLINE (ON LEVELING LAYER)
0010	390+00 -	927+00	TC SIGNS: R4-1, W8-12	40	STAGE 4	MILES	STH 13 CENTERLINE (ON SMA)
0010							
			TOTAL 0010	160			

CONSTRUCTION STAKING RESURFACING REFERENCE

CATEGORY	STATION TO	STATION	LOCATION	650.8000 LF	REMARKS
0010	390+00 -	927+00	MAINLINE	53700	
			TOTAL 0010	53700	

CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (1610-11-70)

CATEGORY	LOCATION	650.9910 LS	REMARKS
0010	PROJECT	1	
	TOTAL 0010	1	

PAVEMENT MARKING SUMMARY

CAT	STATION	TO	STATION	LOCATION	646.1040 MARKING LINE GROOVED WET REF EPOXY 4-INCH LF	646.1020 MARKING LINE EPOXY 4-INCH LF	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH LF	649.0120 TEMPORARY MARKING LINE EPOXY 4-INCH LF	WHITE	YELLOW
0010	390+00	-	927+00	STH 13 CENTERLINE (MILLED SURF)			55028			55028
0010	390+00	-	927+00	STH 13 CENTERLINE (ON CIR)			55028			55028
0010	390+00	-	927+00	CENTERLINE (ON LEVELING LAYER)			55028			55028
0010	390+00	-	927+00	STH 13 CENTERLINE (ON SMA)		61823		55028		61823
0010	390+00	-	927+00	STH 13 EDGELINES	105565				105565	
0010			426+33	MORSE ROAD	150					150
0010			519+33	MORSE ROAD	160					160
0010			527+90	CAYUGA ROAD	150					150
0010			773+80	LAKE DRIVE	100					100
				TOTAL 0010	106125	61823	165084	55028		

ASPHALT STABILIZING AGENT

455.0770.S

CATEGORY	STATION TO	STATION	LOCATION	TON	REMARKS
0010	390+00 -	927+00	MAINLINE	571	
			TOTAL 0010	571	

BASE REPAIR FOR CIR PAVEMENT

SPV.0035.01

CATEGORY	STATION TO	STATION	LOCATION	CY	REMARKS
0010	390+00 -	927+00	PROJECT	30	
			TOTAL 0010	30	

MATERIAL TRANSFER VEHICLE

460.9000.S

CATEGORY	LOCATION	EACH	REMARKS
0010	PROJECT	1	
	TOTAL 0010	1	

PREPARE FOUNDATION FOR HMA UPPER LAYER 1610-11-70

SPV.0060.01

CATEGORY	LOCATION	EACH	REMARKS
0010	PROJECT	1	
	TOTAL 0010	1	

COLD-IN-PLACE RECYCLING (CIR) PAVEMENT PARTIAL DEPTH

SPV.0180.01

CATEGORY	STATION TO	STATION	LOCATION	SY	REMARKS
0010	390+00 -	580+56	STH 13	50816	DRIVING LANES ONLY
0010	582+66 -	927+00	STH 13	91824	DRIVING LANES ONLY
			TOTAL 0010	142640	

3

HMA / SMA ACCEPTANCE TABLE

Location	Station	Mixture Use	Underlying Surface	Bid Item	Tons	Thickness	Quality Management Program to be used for:	
							Mixture Acceptance	Density Acceptance
12' Driving Lanes (Cold-In-Place Recycle)	390+00 - 580+56, 582+66 - 927+00	Asphalt Stabilizing Agent	Milled Surface	SPV.0180.01, 455.0770.S	571	4"	Cold-In-Place Recycling (CIR) Pavement Partial Depth (SPV.0180.01)	
12' Driving Lanes (Leveling Layer)	390+00 - 580+56, 582+66 - 927+00	4 MT 58-34 S	Cold-In-Place Recycle	460.6244	7988	1"	PWL Incentive Air Voids HMA Pavement (460.2010)	Acceptance by ordinary compaction
12' Driving Lanes (SMA Pavement)	390+00 - 580+56, 582+66 - 927+00	4 SMA 58-34 V	1" Leveling Layer (4 MT 58-34 S)	460.8644	13979	1.75"	QMP as per SS 460	Incentive density HMA Pavement(460.2000)
5' Shoulders	390+00 - 580+56, 582+66 - 927+00	4 MT 58-34 S	Pulverize and Relay	460.6244	5824	1.75"	PWL Incentive Air Voids HMA Pavement (460.2010)	Acceptance testing by department; Not eligible for incentive or disincentive
Sideroads	Varies	4 MT 58-34 S	Milled Surface	460.6244	355	2"	PWL Incentive Air Voids HMA Pavement (460.2010)	Acceptance testing by department; Not eligible for incentive or disincentive

5

5

STA 394+44
RESTORE FE
(BASE AGGREGATE)

STA 400+17
RESTORE PE
(BASE AGGREGATE)

SPILLERBERG CREEK

ANT.

BP: 385+00.00

STH 13

390

N3° 06' 57"W

395

400

BEGIN PROJECT
STA 390+00

STA 395+76
RESTORE FE
(BASE AGGREGATE)

STA 403+39
RESTORE PE
(BASE AGGREGATE)

STA 407+98
RESTORE PE
(BASE AGGREGATE)

416+00.00

SCHOCH RD
STA 415+60L

PC: 410+86.52

SCHOCH RD

STH 13

405

N3° 06' 57"W

410

415

MORSE CUTOFF RD

MORSE CUTOFF RD
STA 415+60R

STA 403+19
RESTORE PE
(BASE AGGREGATE)

PROJECT NO: 1610-11-70	HWY: STH 13	COUNTY: ASHLAND	PLANS	SHEET 14	E

FILE NAME : N:\PDS\C3D\16101101\SHEETSPLAN\16101101_PLAN.DWG
LAYOUT NAME - PN-1

PLOT DATE : 10/27/2020 11:57 AM PLOT BY : JENSEN, TRAVIS G PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

STA 423+53
RESTORE PE
(BASE AGGREGATE)

SCHOCH RD

CMCP E 12" INCH 1519.968
CMCP B 12" INCH 1520.185
NOR 2'OFF

PI STA = 421+13.09
Y = 181628.222
X = 565972.920
DELTA = 48°15'28"
D = 2°30'00"
T = 1026.57'
L = 1930.31'
R = 2291.83'
PC STA = 410+86.52
PT STA = 430+16.83
S.E. = 4.6%

431+50.00

PT 430+16.83

SIGN

N51° 22' 25"W

430

416+00.00

STH 13

420

425

MORSE CUTOFF RD

MORSE RD

STA 424+80
RESTORE PE
(BASE AGGREGATE)

MORSE RD
STA 426+33R

5

5

PREPARE FOUNDATION FOR
ASPHALTIC SHOULDERS (1' WIDE)
STA 437+31 - 447+19

447+00.00

435

N51° 22' 25"W

440

445

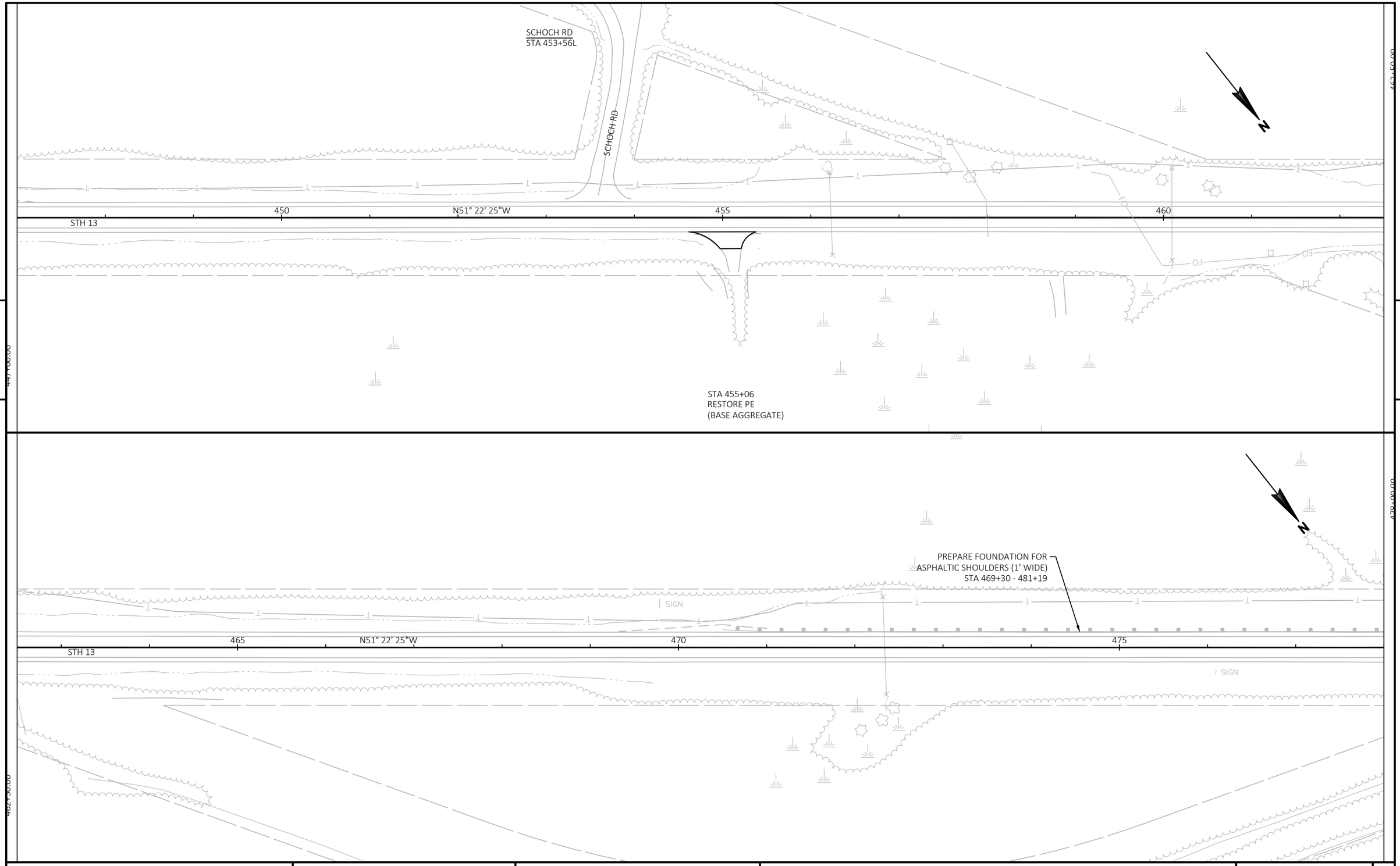
STH 13

437+00.00

PROJECT NO: 1610-11-70	HWY: STH 13	COUNTY: ASHLAND	PLANS	SHEET 15	E

FILE NAME : N:\PDS\C3D\16101101\SHEETSPLAN\16101101_PLAN.DWG
LAYOUT NAME - PN-2

PLOT DATE : 7/7/2021 1:13 PM PLOT BY : PEARSON, MICHAEL R PLOT NAME : PLOT SCALE : 1 IN:100 FT



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PROJECT NO: 1610-11-70	HWY: STH 13	COUNTY: ASHLAND	PLANS	SHEET 16	E

FILE NAME : N:\PDS\C3D\16101101\SHEETSPLAN\16101101_PLAN.DWG
LAYOUT NAME - PN-3

PLOT DATE : 10/27/2020 11:58 AM PLOT BY : JENSEN, TRAVIS G PLOT NAME : PLOT SCALE : 1 IN:100 FT

LINDEN RD
STA 483+17L

LINDEN RD

HEIGHT MOD

SIGN

480

485

N51° 22' 25"W

490

STH 13

STA 481+50
RESTORE FE
(BASE AGGREGATE)

STA 497+25
RESTORE FE
(BASE AGGREGATE)

495

500

N51° 22' 25"W

505

STH 13

STA 495+98
RESTORE FE
(BASE AGGREGATE)

5

5

PROJECT NO: 1610-11-70	HWY: STH 13	COUNTY: ASHLAND	PLANS	SHEET 17	E

FILE NAME : N:\PDS\C3D\16101101\SHEETSPLAN\16101101_PLAN.DWG
LAYOUT NAME - PN-4

PLOT DATE : 10/27/2020 11:59 AM PLOT BY : JENSEN, TRAVIS G PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

STA 513+27
RESTORE FE
(BASE AGGREGATE)

THOLE RD
STA 519+90L

THOLE RD

STA 523+68
RESTORE PE
(BASE AGGREGATE)

N

524+50.00

510

515

N51° 22' 25"W

520

STH 13

5

5

505+00.00

MORSE RD

MORSE RD
STA 519+33R

STA 511+36
RESTORE FE
(BASE AGGREGATE)

STA 523+61
RESTORE FE
(BASE AGGREGATE)

N

540+00.00

SIGN

SIGN

525

530

N51° 22' 25"W

535

STH 13

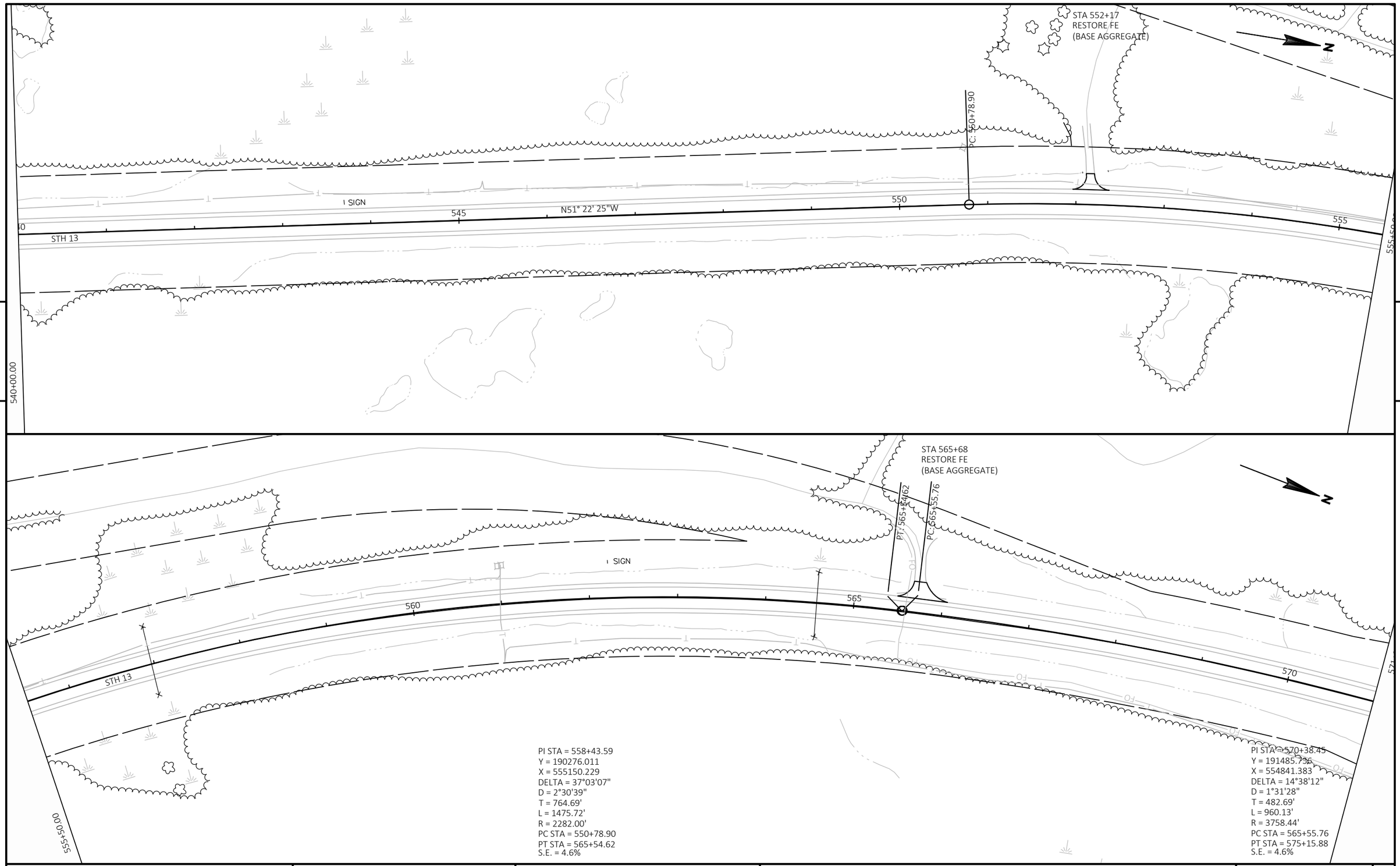
525+00.00

STA 533+50
RESTORE FE
(BASE AGGREGATE)

PROJECT NO: 1610-11-70	HWY: STH 13	COUNTY: ASHLAND	PLANS	SHEET 18 E

FILE NAME : N:\PDS\C3D\16101101\SHEETSPLAN\16101101_PLAN.DWG
LAYOUT NAME - PN-5

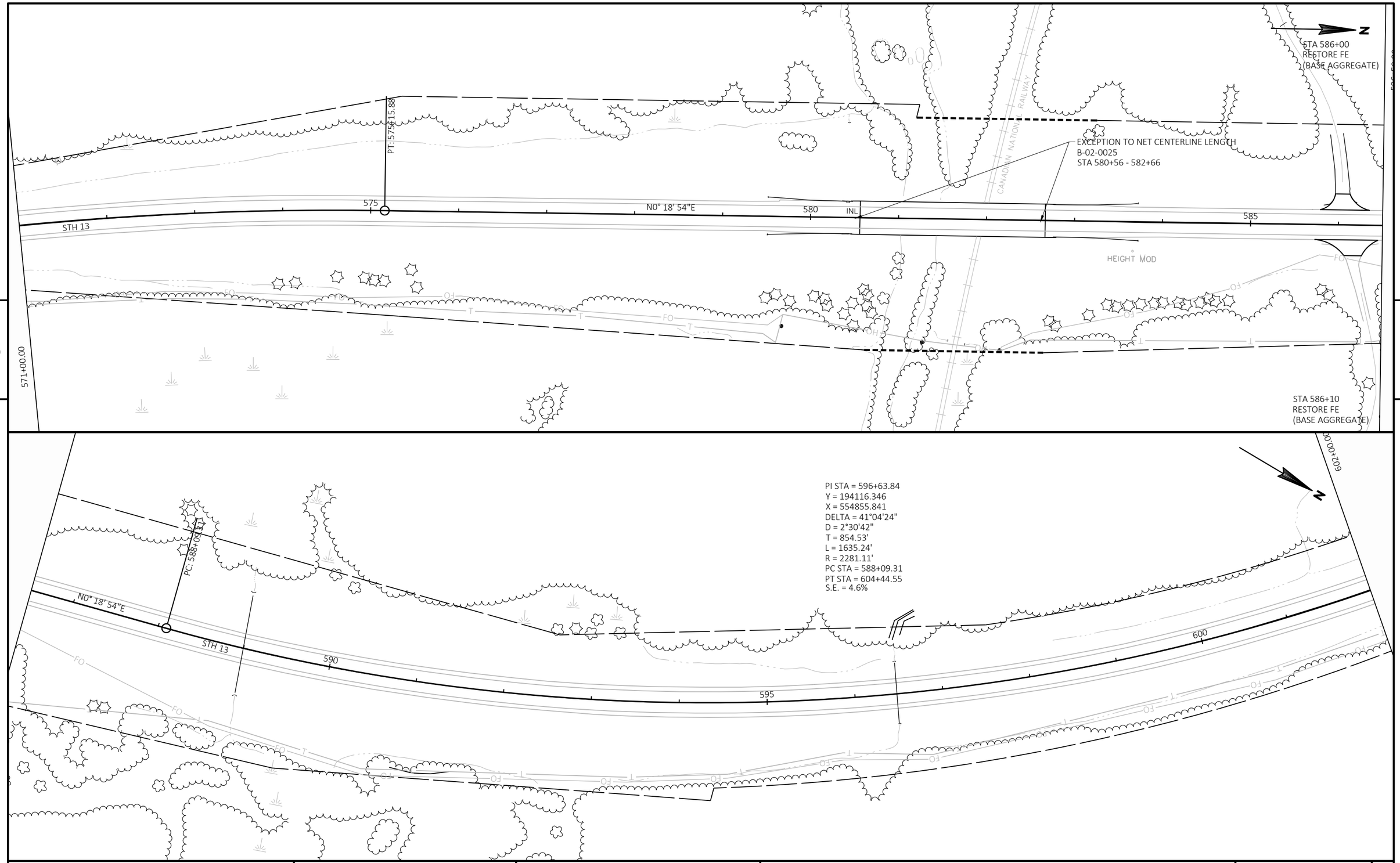
PLOT DATE : 10/27/2020 12:00 PM PLOT BY : JENSEN, TRAVIS G PLOT NAME : PLOT SCALE : 1 IN:100 FT



PROJECT NO: 1610-11-70	HWY: STH 13	COUNTY: ASHLAND	PLANS	SHEET 19	E

FILE NAME : N:\PDS\C3D\16101101\SHEETSPLAN\16101101_PLAN.DWG
LAYOUT NAME - PN-6

PLOT DATE : 7/7/2021 1:25 PM PLOT BY : PEARSON, MICHAEL R PLOT NAME : PLOT SCALE : 1 IN:100 FT



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PROJECT NO: 1610-11-70	HWY: STH 13	COUNTY: ASHLAND	PLANS	SHEET 20	E

FILE NAME : N:\PDS\C3D\16101101\SHEETSPLAN\16101101_PLAN.DWG
LAYOUT NAME - PN-7

PLOT DATE : 7/7/2021 1:31 PM PLOT BY : PEARSON, MICHAEL R PLOT NAME : PLOT SCALE : 1 IN:100 FT

5

5

PT: 604+44.55

STH 13

605

N40° 45' 30"W

610

615

STA 611+02
RESTORE PE
(BASE AGGREGATE)

SEPTIC

STA 620+05
RESTORE PE
(BASE AGGREGATE)

STA 626+80
RESTORE FE
(BASE AGGREGATE)

CAYUGA RD
STA 527+90L

CAYUGA RD

CAYUGA CUTOFF RD

PC: 625+81.38

620

625

630

633+00.00

617+50.00

STA 624+50
RESTORE FE
(BASE AGGREGATE)

E CAYUGA RD

E CAYUGA RD
STA 527+54R

ANT.

PI STA = 632+86.02
Y = 196915.960
X = 552442.832
DELTA = 40°30'02"
D = 2°59'59"
T = 704.65'
L = 1350.12'
R = 1910.00'
PC STA = 625+81.38
PT STA = 639+31.49
S.E. = 5.0%

PROJECT NO: 1610-11-70	HWY: STH 13	COUNTY: ASHLAND	PLANS	SHEET 21	E

CAYUGA CUTOFF RD
STA 636+00L

CAYUGA CUT OFF RD

PT: 639+31.49

STA 641+55
RESTORE FE
(BASE AGGREGATE)

N

635

640

645

N0° 15' 28"W

STH 13

633+00.00

5

5

STA 641+55
RESTORE FE
(BASE AGGREGATE)

STA 649+45
RESTORE PE
(BASE AGGREGATE)

CEMETERY

FLAG

CAYUGA CEMETERY

SIGN

STA 655+00
RESTORE CE
(BASE AGGREGATE)

N

650

655

660

N0° 15' 28"W

STH 13

648+50.00

664+00.00

STA 650+15
RESTORE FE
(BASE AGGREGATE)

STA 661+95
RESTORE PE
(BASE AGGREGATE)

PROJECT NO: 1610-11-70	HWY: STH 13	COUNTY: ASHLAND	PLANS	SHEET 22	E

FILE NAME : N:\PDS\C3D\16101101\SHEETSPLAN\16101101_PLAN.DWG
LAYOUT NAME - PN-9

PLOT DATE : 10/27/2020 12:02 PM PLOT BY : JENSEN, TRAVIS G PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

STA 665+90
RESTORE FE
(BASE AGGREGATE)

N

665 N0° 15' 28"W 670 675

STH 13

679+50.00

STA 686+35
RESTORE PE
(BASE AGGREGATE)

STA 693+20
RESTORE PE
(BASE AGGREGATE)

N

680 N0° 15' 28"W 685 690

STH 13

STA 685+00
RESTORE PE
(BASE AGGREGATE)

STA 691+20
RESTORE PE
(BASE AGGREGATE)

695+00.00

5

5

PROJECT NO: 1610-11-70	HWY: STH 13	COUNTY: ASHLAND	PLANS	SHEET 23	E

FILE NAME : N:\PDS\C3D\16101101\SHEETSPLAN\16101101_PLAN.DWG
LAYOUT NAME - PN-10

PLOT DATE : 10/27/2020 12:03 PM PLOT BY : JENSEN, TRAVIS G PLOT NAME : PLOT SCALE : 1 IN:100 FT

STA 705+55
RESTORE PE
(BASE AGGREGATE)

STA 710+40
RESTORE EE
(BASE AGGREGATE)

695 700 N0° 15' 28"W 705 710

STH 13

PONSEGRAU RD

PONSEGRAU RD
STA 707+05R

STA 696+40
RESTORE PE
(BASE AGGREGATE)

STA 703+75
RESTORE PE
(BASE AGGREGATE)

FEDERAL FOREST ROUTE 184
STA 720+30L

FEDERAL FOREST ROUTE 184

715 N0° 15' 28"W 720 725

STH 13

STA 711+64
RESTORE PE
(BASE AGGREGATE)

PROJECT NO: 1610-11-70	HWY: STH 13	COUNTY: ASHLAND	PLANS	SHEET 24	E

FILE NAME : N:\PDS\C3D\16101101\SHEETSPLAN\16101101_PLAN.DWG
LAYOUT NAME - PN-11

PLOT DATE : 10/27/2020 12:03 PM PLOT BY : JENSEN, TRAVIS G PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

STA 730+95
RESTORE PE
(BASE AGGREGATE)

STA 741+25
RESTORE PE
(BASE AGGREGATE)

730 N0° 15' 28"W 735 740

STH 13

5

5

STA 730+95
RESTORE PE
(BASE AGGREGATE)

STA 747+90
RESTORE PE
(BASE AGGREGATE)

STA 751+75
RESTORE PE
(BASE AGGREGATE)

RUINS

PC 753+87.25

745 N0° 15' 28"W 750 755

STH 13

STA 747+85
RESTORE PE
(BASE AGGREGATE)

STA 745+50
RESTORE PE
(BASE AGGREGATE)

PROJECT NO: 1610-11-70	HWY: STH 13	COUNTY: ASHLAND	PLANS	SHEET 25	E

FILE NAME : N:\PDS\C3D\16101101\SHEETSPLAN\16101101_PLAN.DWG
LAYOUT NAME - PN-12

PLOT DATE : 10/27/2020 12:04 PM PLOT BY : JENSEN, TRAVIS G PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

STA 763+10
RESTORE FE
(BASE AGGREGATE)

PT: 762+97.05

STA 768+20
RESTORE PE
(BASE AGGREGATE)

SEPTIC
(SEPV)

772+50.00

STH 13

760

765

N18° 25' 14"W

770

PI STA = 758+46.00
Y = 209534.982
X = 552386.067
DELTA = 18°09'47"
D = 1°59'47"
T = 458.75'
L = 909.80'
R = 2870.00'
PC STA = 753+87.25
PT STA = 762+97.05
S.E. = 4.0%

STA 768+35
RESTORE PE
(BASE AGGREGATE)

STA 780+75
RESTORE PE
(BASE AGGREGATE)

TOWER

ANCHOR

ANCHOR

772+50.00

775

N18° 25' 14"W

780

785

STH 13

LAKE DR

LAKE DR
STA 773+80R

STA 777+40
RESTORE FE
(BASE AGGREGATE)

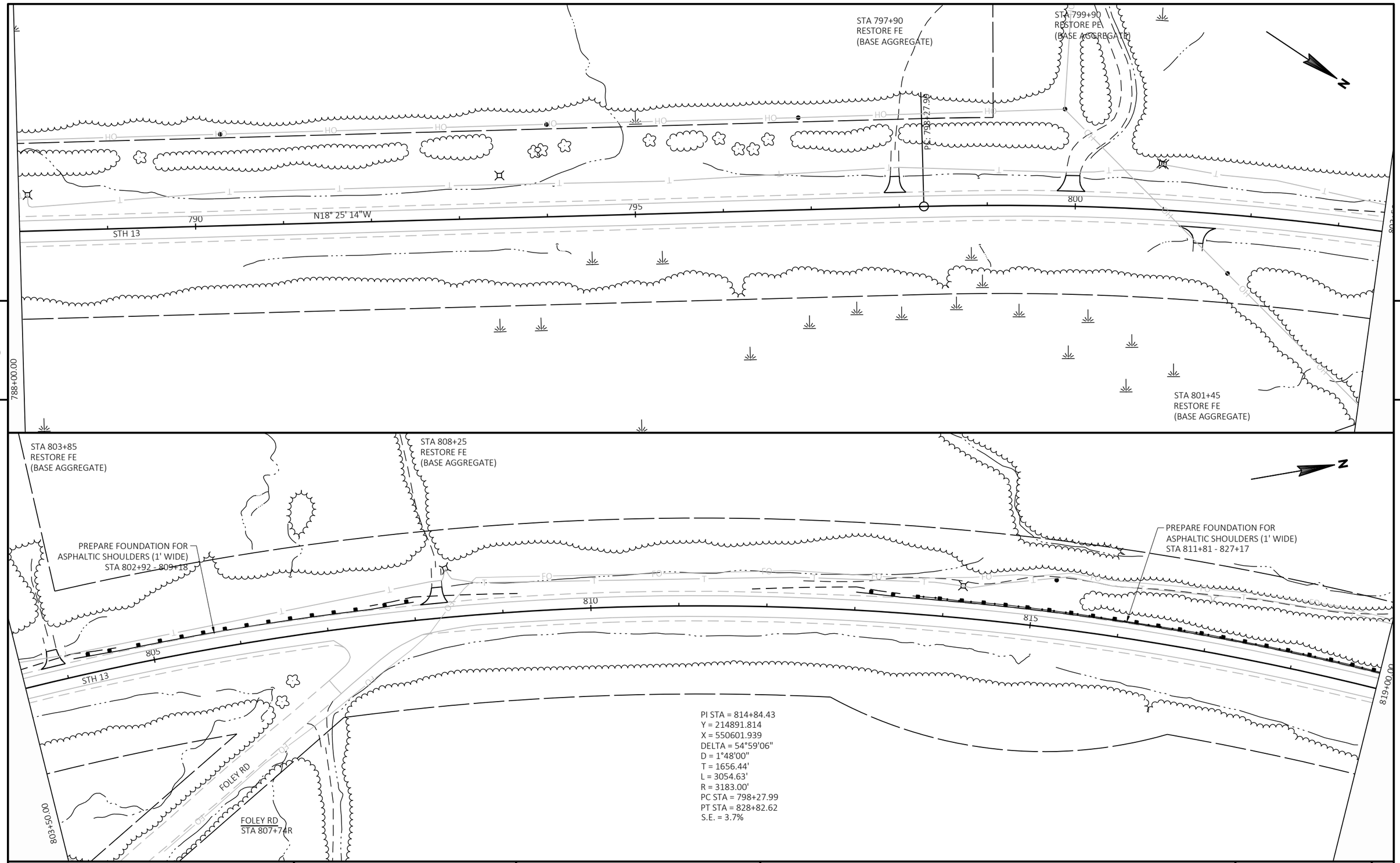
772+50.00

PROJECT NO: 1610-11-70	HWY: STH 13	COUNTY: ASHLAND	PLANS	SHEET 26	E

FILE NAME : N:\PDS\C3D\16101101\SHEETSPLAN\16101101_PLAN.DWG
LAYOUT NAME - PN-13

PLOT DATE : 7/7/2021 1:41 PM PLOT BY : PEARSON, MICHAEL R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 1610-11-70	HWY: STH 13	COUNTY: ASHLAND	PLANS	SHEET 27	E

FILE NAME : N:\PDS\C3D\16101101\SHEETSPLAN\16101101_PLAN.DWG
LAYOUT NAME - PN-14

PLOT DATE : 7/7/2021 1:42 PM PLOT BY : PEARSON, MICHAEL R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

5

FOLEY RD
STA 828+55L

STA 826+45
RESTORE PE
(BASE AGGREGATE)

FOLEY RD

PT: 828+82.62

825

820

830

STH 13

N36° 33' 52"E

819+00.00

STA 826+20
RESTORE FE
(BASE AGGREGATE)

TAFELSKI RD

TAFELSKI RD
STA 829+00R

STA 840+00
RESTORE FE
(BASE AGGREGATE)

STA 845+05
RESTORE FE
(BASE AGGREGATE)

TAFELSKI CREEK

835

840

N36° 33' 52"E

845

STH 13

838+00.00

STA 840+00
RESTORE PE
(BASE AGGREGATE)

STA 845+00
RESTORE PE
(BASE AGGREGATE)

PROJECT NO: 1610-11-70	HWY: STH 13	COUNTY: ASHLAND	PLANS	SHEET 28	E

FILE NAME : N:\PDS\C3D\16101101\SHEETSPLAN\16101101_PLAN.DWG
LAYOUT NAME - PN-15

PLOT DATE : 10/27/2020 12:06 PM PLOT BY : JENSEN, TRAVIS G PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

STA 854+60
RESTORE PE
(BASE AGGREGATE)

N

855 N36° 33' 52"E 860 865

STH 13

8859500.00

5

STA 854+65
RESTORE FE
(BASE AGGREGATE)

STA 861+45
RESTORE PE
(BASE AGGREGATE)

STA 873+75
RESTORE PE
(BASE AGGREGATE)

SEPV
&SEPC

STA 876+80
RESTORE PE
(BASE AGGREGATE)

WALLS
WALLS
WALLS
W
W

N

8861000.00

870 N36° 33' 52"E 875 880

STH 13

8859500.00

STA 873+35
RESTORE PE
(BASE AGGREGATE)

STA 875+95
RESTORE PE
(BASE AGGREGATE)

PROJECT NO: 1610-11-70	HWY: STH 13	COUNTY: ASHLAND	PLANS	SHEET 29	E

FILE NAME : N:\PDS\C3D\16101101\SHEETSPLAN\16101101_PLAN.DWG
LAYOUT NAME - PN-16

PLOT DATE : 10/27/2020 12:06 PM PLOT BY : JENSEN, TRAVIS G PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

STA 881+85
RESTORE PE
(BASE AGGREGATE)

STA 890+25
RESTORE PE
(BASE AGGREGATE)

STA 893+10
RESTORE PE
(BASE AGGREGATE)

SEPC
SEPV
SEPV
W
T
OH
FO

885
N36° 33' 52"E
890
895

STH 13

SIGN

WALLS
WALLS

STA 885+30
RESTORE PE
(BASE AGGREGATE)

STA 888+30
RESTORE PE
(BASE AGGREGATE)

PINECREST RD
STA 893+83R

881+00.00

5

STA 902+45
RESTORE PE
(BASE AGGREGATE)

STA907+05
RESTORE PE
(BASE AGGREGATE)

SEPV
SEPTIC
SEPV
SEPC

BERKSHIRE DR
STA 909+28L

BERKSHIRE DR

SIGN

900
N36° 33' 52"E
905
910

STH 13

SIGN

SIGN

STA 904+30
RESTORE PE
(BASE AGGREGATE)

STA 907+15
RESTORE PE
(BASE AGGREGATE)

STA 911+80
RESTORE FE
(BASE AGGREGATE)

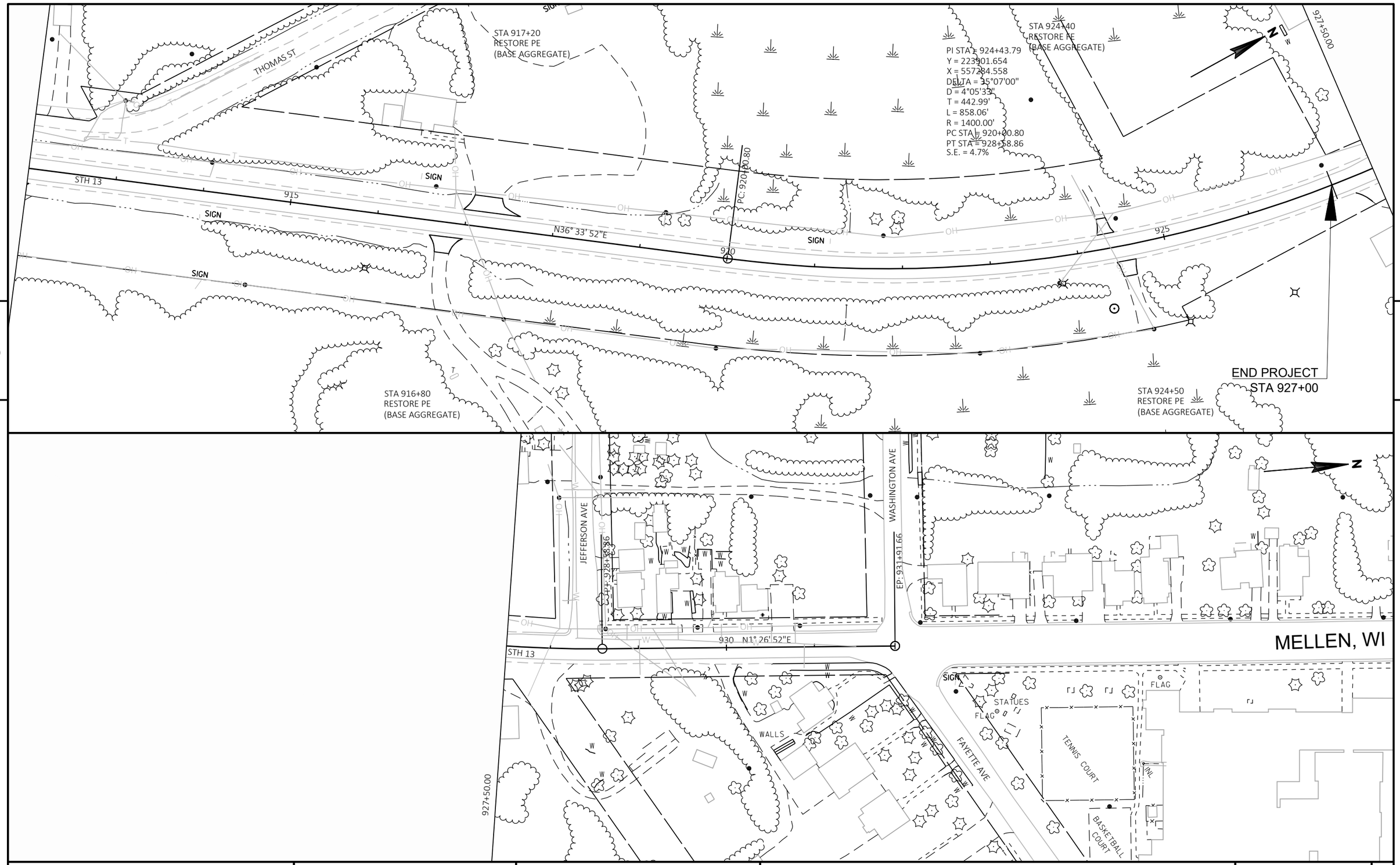
896+50.00

5

PROJECT NO: 1610-11-70	HWY: STH 13	COUNTY: ASHLAND	PLANS	SHEET 30	E

FILE NAME : N:\PDS\C3D\16101101\SHEETSPLAN\16101101_PLAN.DWG
LAYOUT NAME - PN-17

PLOT DATE : 10/27/2020 12:07 PM PLOT BY : JENSEN, TRAVIS G PLOT NAME : PLOT SCALE : 1 IN:100 FT



5

5

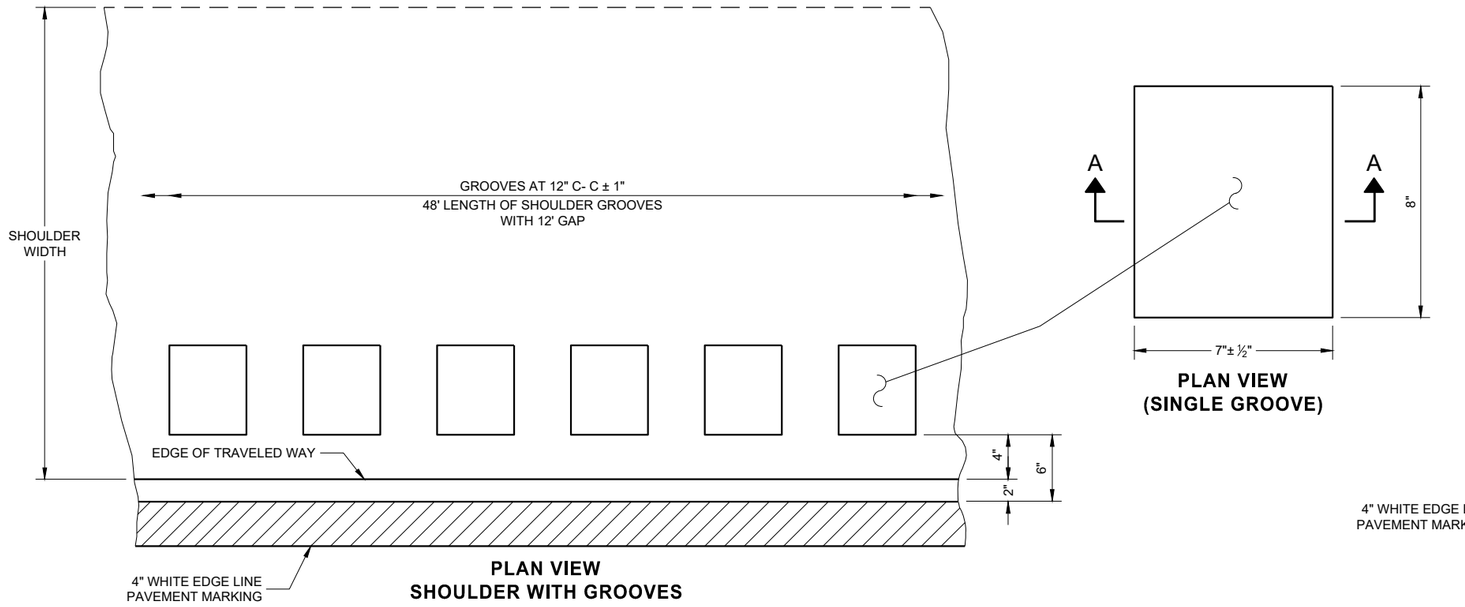
PROJECT NO: 1610-11-70	HWY: STH 13	COUNTY: ASHLAND	PLANS	SHEET 31	E

FILE NAME : N:\PDS\C3D\16101101\SHEETSPLAN\16101101_PLAN.DWG
LAYOUT NAME - PN-18

PLOT DATE : 7/7/2021 1:11 PM PLOT BY : PEARSON, MICHAEL R PLOT NAME : PLOT SCALE : 1 IN:100 FT

Standard Detail Drawing List

13A10-02A	2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING
13A10-02B	2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING
13A10-02C	2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING
13A10-02D	2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING
13A11-03A	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13A11-03B	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C06-09	SIGNING & MARKING FOR TWO LANE BRIDGES
15C08-20A	LONGITUDINAL MARKING (MAINLINE)
15C08-20B	PAVEMENT MARKING (TURN LANES)
15C11-08A	CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST
15C11-08B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-07	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C19-06A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C34-03	STANDARD APPLICATION FOR TEMPORARY RAISED PAVEMENT MARKER, TYPE 2
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS
15D39-02	TRAFFIC CONTROL, DROP-OFF SIGNING
15D44-02	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES



PLAN VIEW
SHOULDER WITH GROOVES

PLAN VIEW
(SINGLE GROOVE)

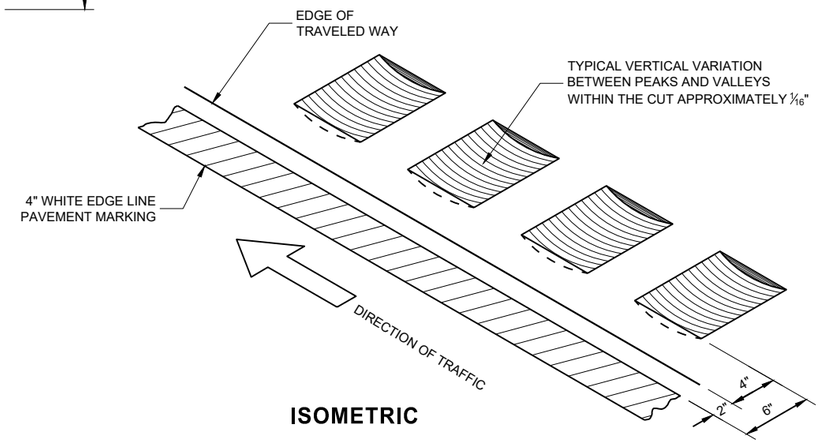
PLACEMENT DETAIL FOR TYPE 1 MILLED RUMBLE STRIP

GENERAL NOTES

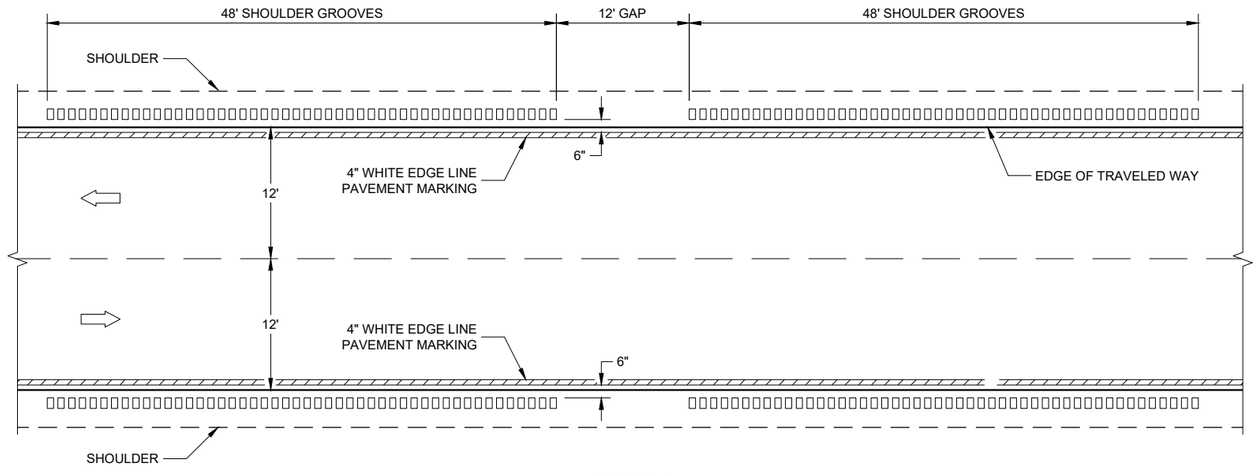
DETAILS OF CONSTRUCTION NO SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

DO NOT MILL SHOULDER GROOVES THROUGH ANY INTERSECTION, MARKED CROSSWALK, NON-MOTORIZED PATH CROSSING, OR SNOWMOBILE CROSSING.

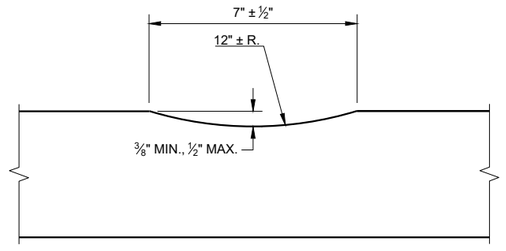
(1) SHOULDER GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS. WHEN DIRECTED BY THE ENGINEER.



ISOMETRIC



TYPE 1
2 - LANE SHOULDER RUMBLE STRIP



SECTION A - A

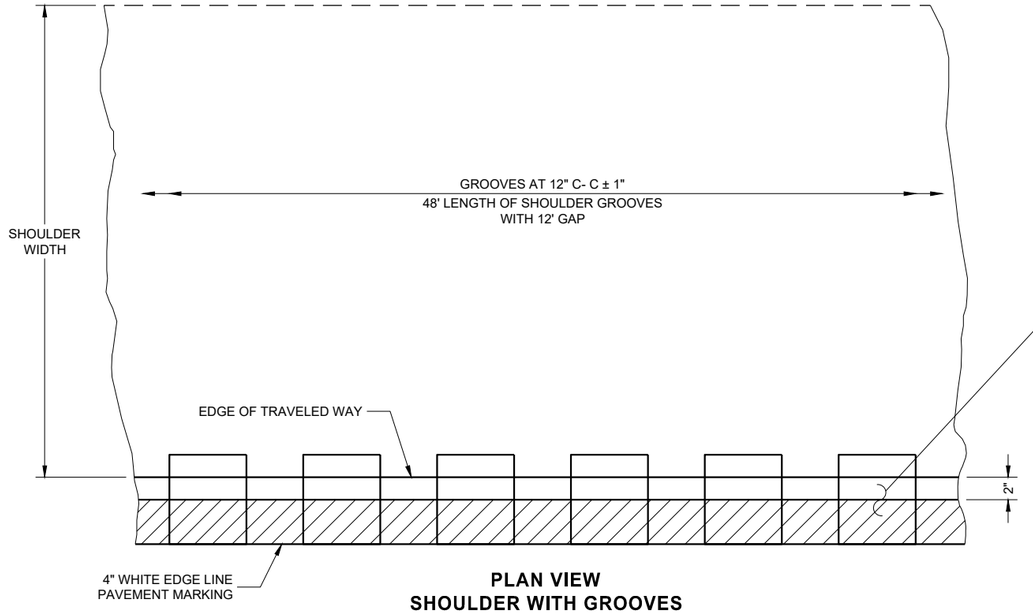
2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

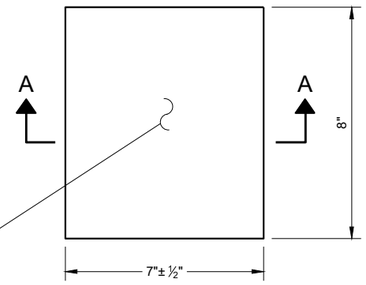
SDD 13A10 - 02a

6

SDD 13A10 - 02a



PLAN VIEW
SHOULDER WITH GROOVES



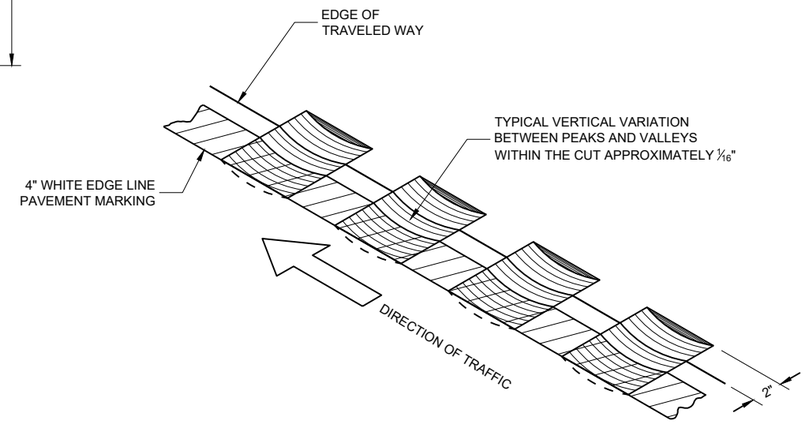
PLAN VIEW
(SINGLE GROOVE)

GENERAL NOTES

DETAILS OF CONSTRUCTION NO SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

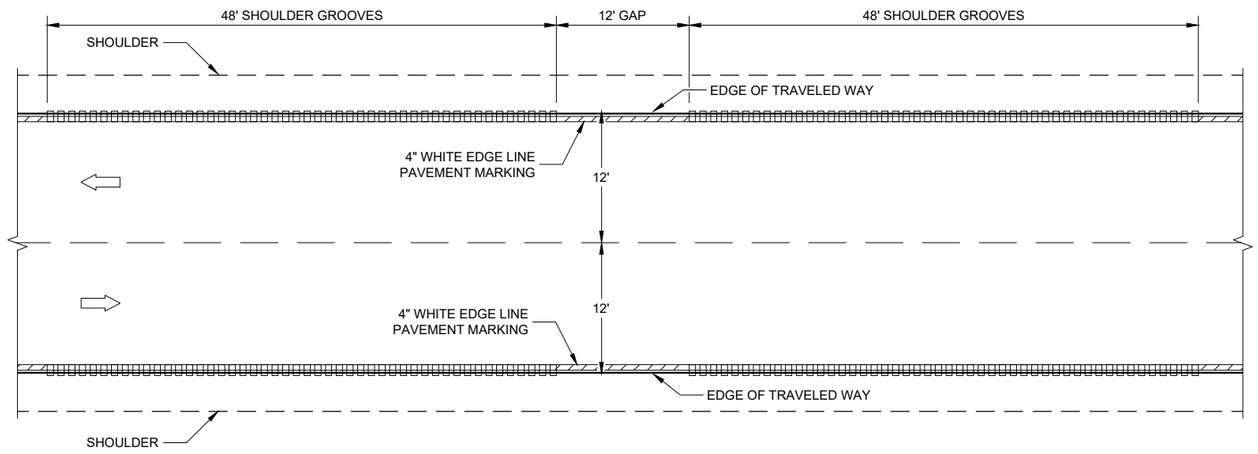
DO NOT MILL SHOULDER GROOVES THROUGH ANY INTERSECTION, MARKED CROSSWALK, NON-MOTORIZED PATH CROSSING, OR SNOWMOBILE CROSSING.

(1) SHOULDER GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS. WHEN DIRECTED BY THE ENGINEER.

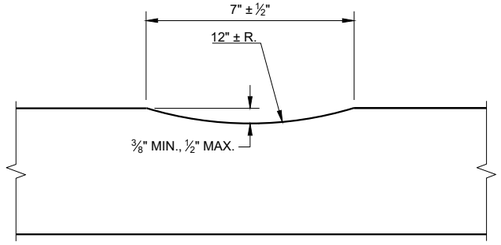


ISOMETRIC

PLACEMENT DETAIL FOR TYPE 2 MILLED RUMBLE STRIP



TYPE 2
2 - LANE SHOULDER RUMBLE STRIP



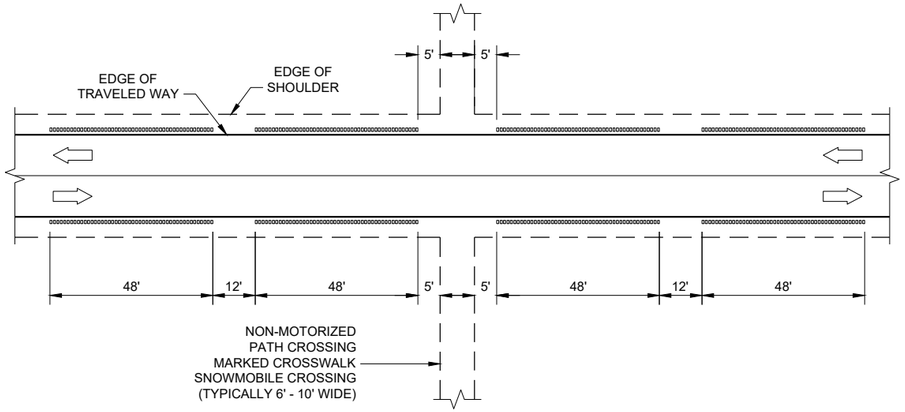
SECTION A - A

2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING

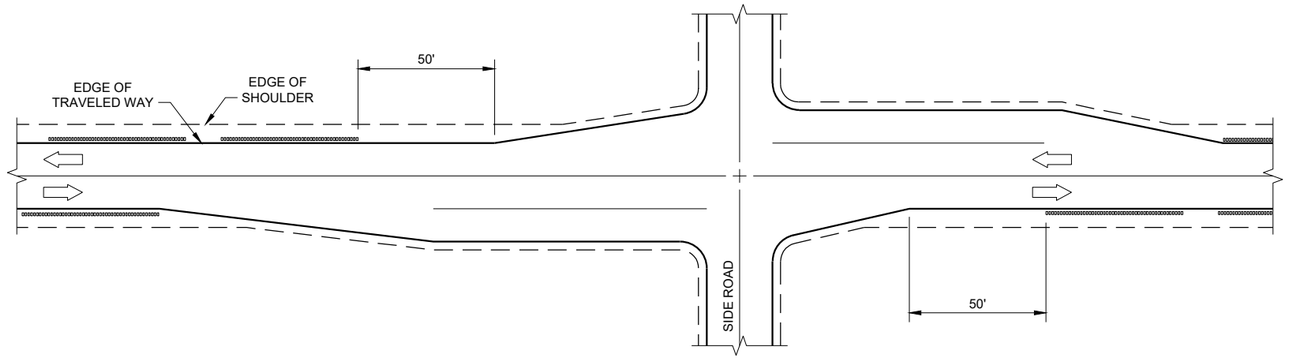
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 13A10 - 02b

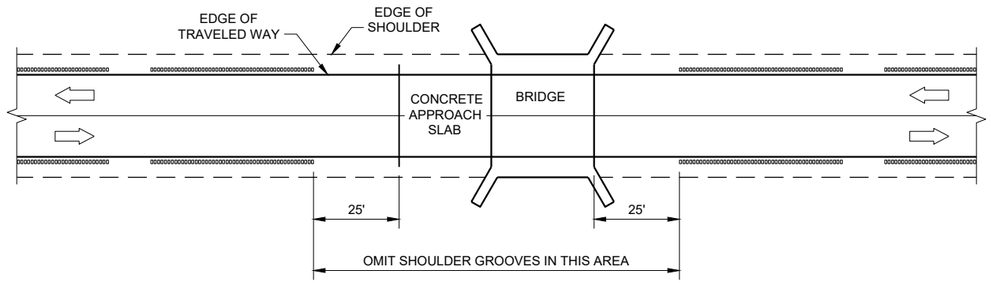
SDD13A10 - 02b



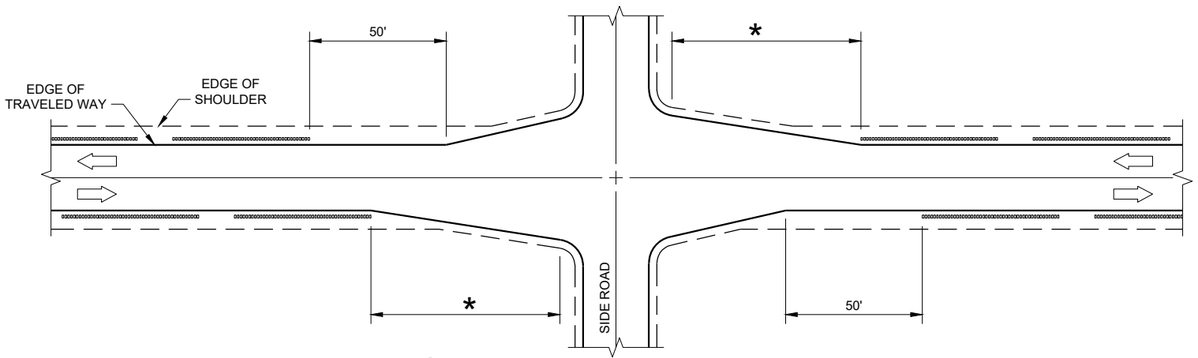
SHOULDER GROOVES AT MISCELLANEOUS CROSSINGS



SHOULDER GROOVES AT RIGHT TURN LANE

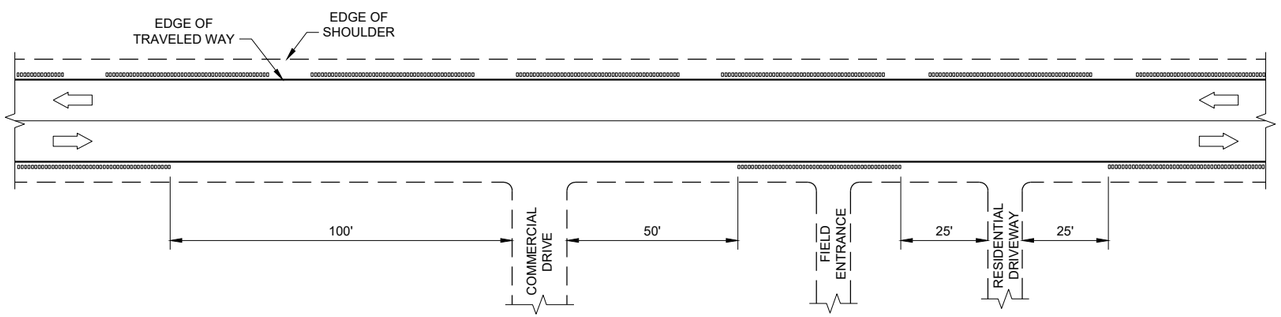


SHOULDER GROOVES AT BRIDGES



* GREATER OF 100' OR APPROACH TAPER LENGTH

SHOULDER GROOVES AT INTERSECTIONS WITH APPROACH TAPER



SHOULDER GROOVES AT DRIVEWAYS (1)

GENERAL NOTES

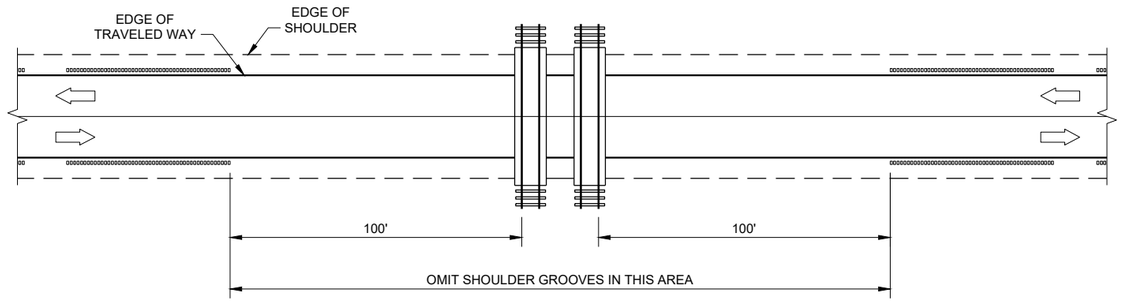
(1) SHOULDER GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS. WHEN DIRECTED BY THE ENGINEER.

2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING

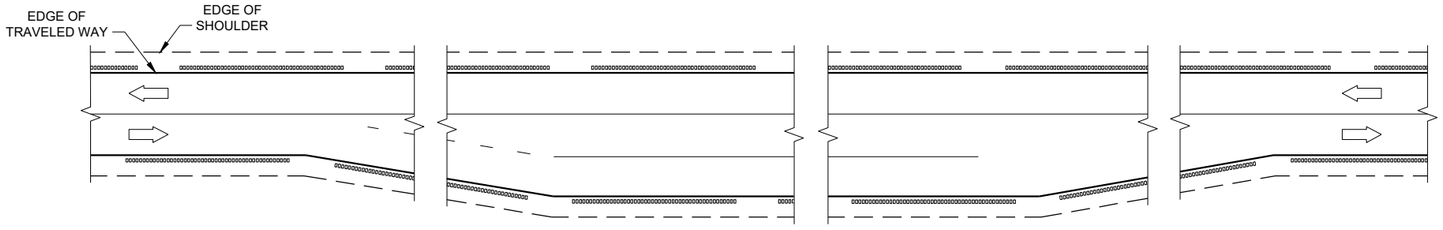
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

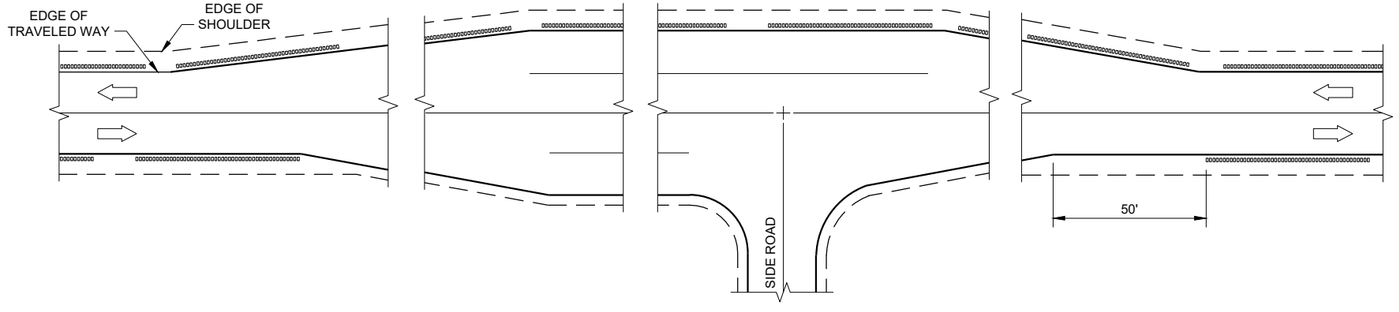
SDD 13A10 - 02c



SHOULDER GROOVES AT RAILROADS



SHOULDER GROOVES AT PASSING AND CLIMBING LANES



SHOULDER GROOVES AT BYPASS LANES

6

6

SDD 13A10 - 02d

SDD13A10 - 02d

2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING

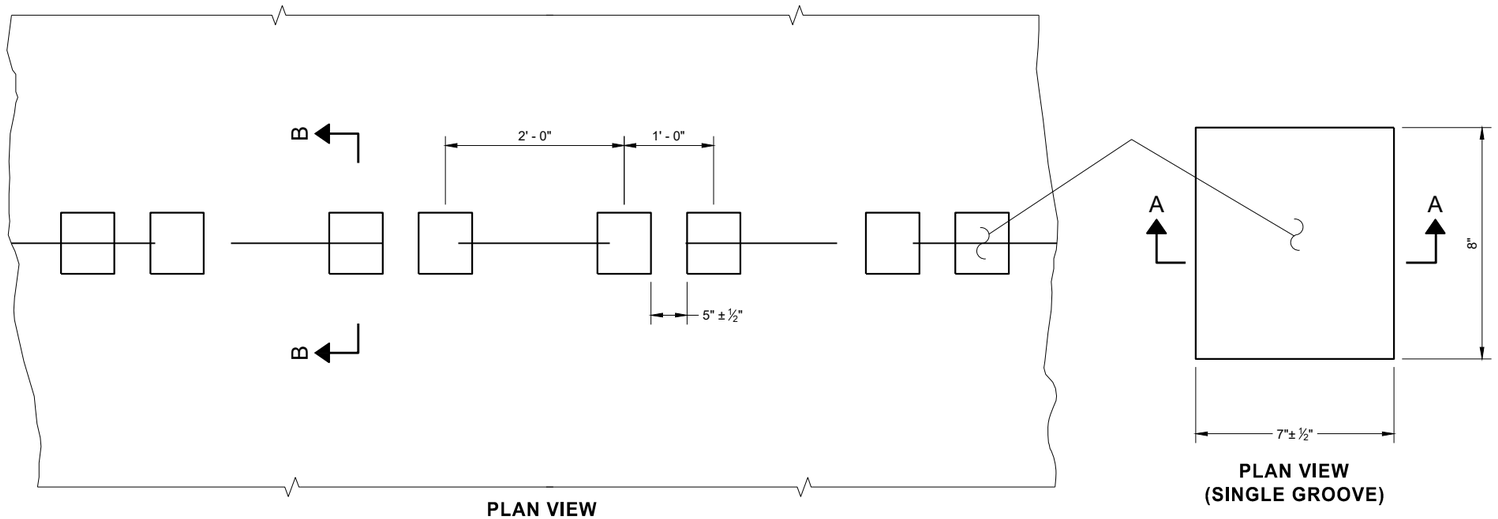
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA



PLAN VIEW
SHOULDER WITH GROOVES

PLAN VIEW
(SINGLE GROOVE)

PLACEMENT DETAIL FOR TYPE 1 MILLED RUMBLE STRIP

GENERAL NOTES

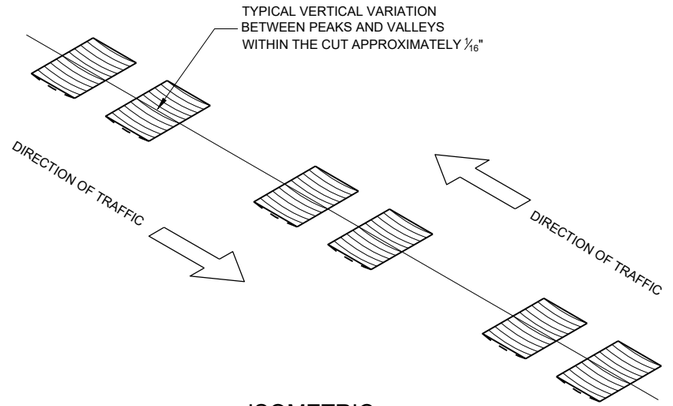
DETAILS OF CONSTRUCTION NO SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

DO NOT MILL CENTERLINE GROOVES THROUGH ANY INTERSECTION, MARKED CROSSWALK, NON-MOTORIZED PATH CROSSING, OR SNOWMOBILE CROSSING.

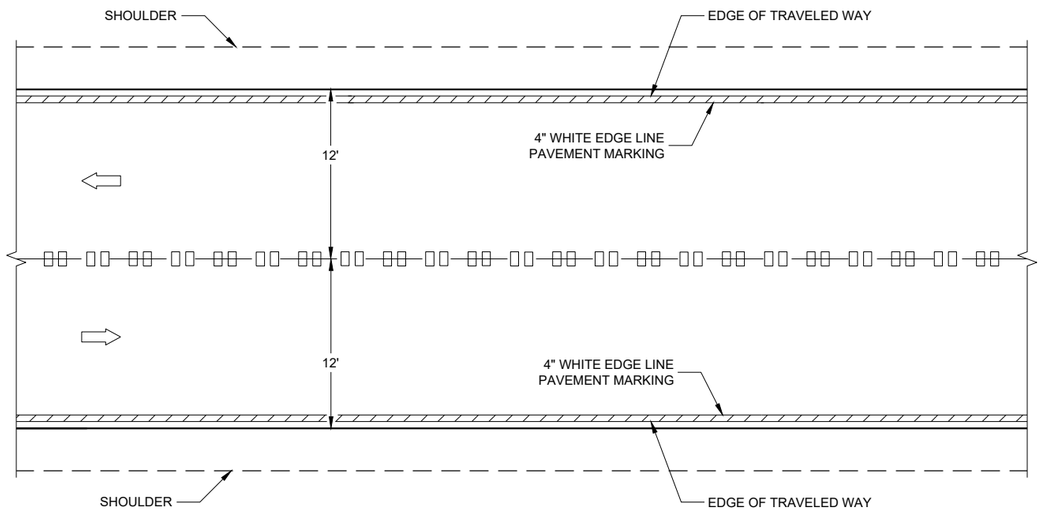
INSTALL PAVEMENT MARKING AFTER THE GROOVES ARE INSTALLED.

SEE SIGNING PLAN FOR SIGN REQUIREMENTS THAT MAY BE NEEDED.

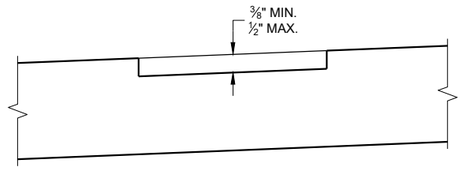
(1) CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS. WHEN DIRECTED BY THE ENGINEER.



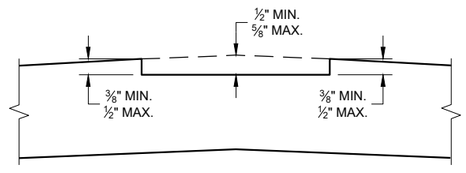
ISOMETRIC



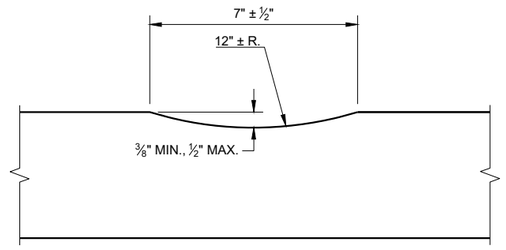
CENTERLINE GROOVES ON TWO-WAY ROADWAYS



SECTION B - B
SUPERELEVATED ROADWAY



SECTION B - B
CROWNED ROADWAY



SECTION A - A

2-LANE RURAL
CENTER LINE RUMBLE STRIP, MILLING

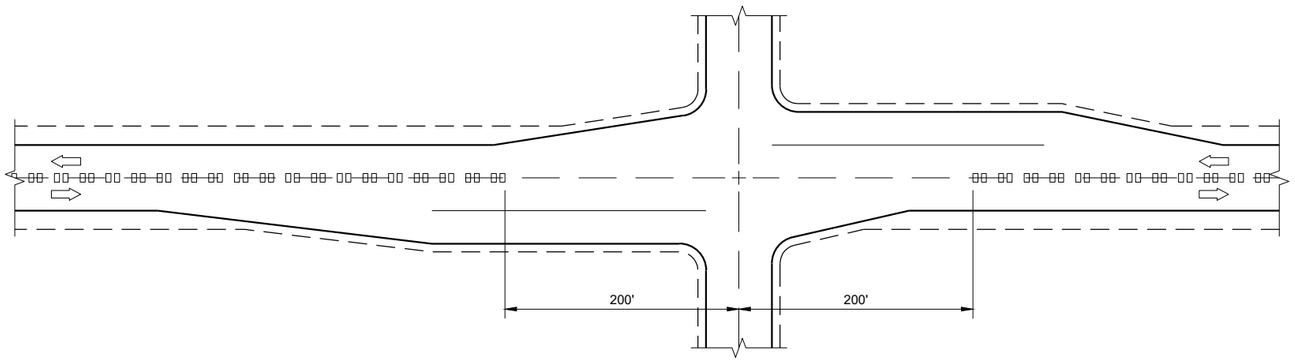
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

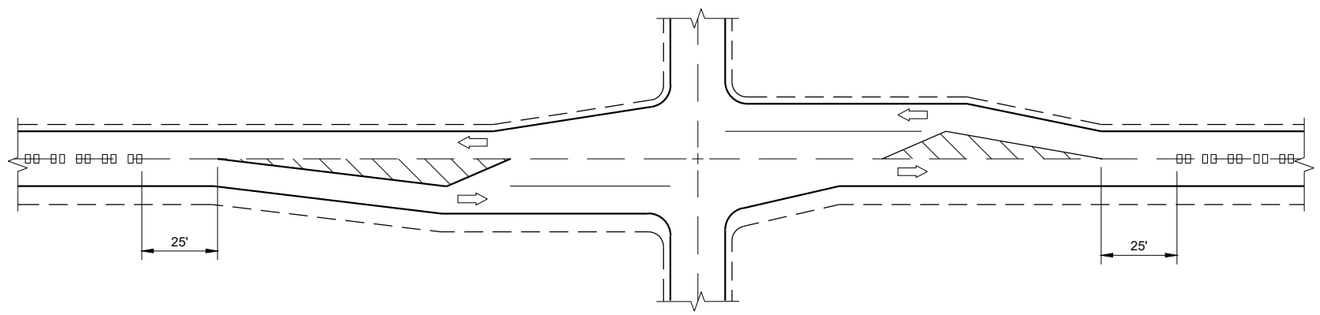
SDD 13A11 - 03a

6

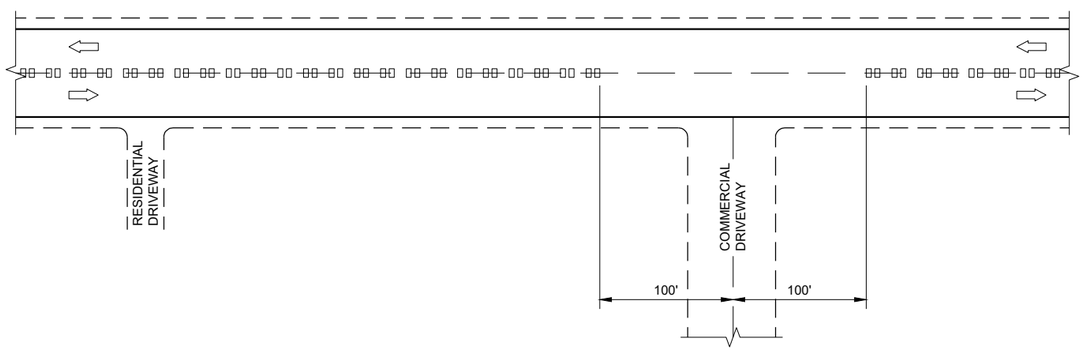
SDD 13A11 - 03a



CENTERLINE GROOVES AT INTERSECTIONS



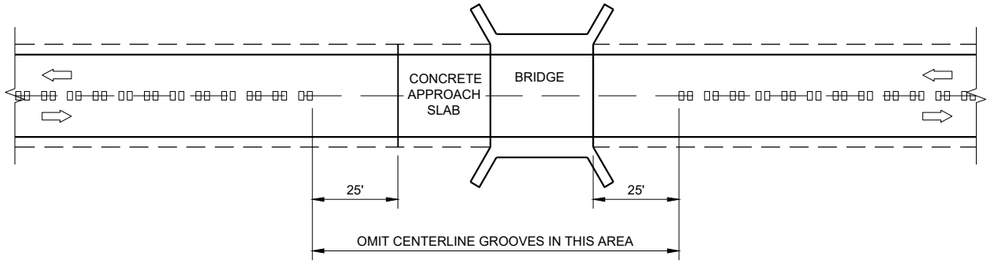
CENTERLINE GROOVES AT INTERSECTIONS (WITH LEFT TURN LANES)



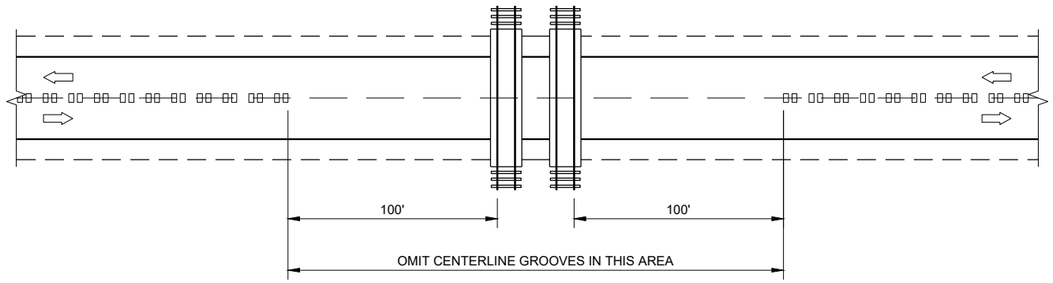
CENTERLINE GROOVES AT DRIVEWAYS (1)

GENERAL NOTES

(1) CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS. WHEN DIRECTED BY THE ENGINEER.



CENTERLINE GROOVES AT BRIDGES



CENTERLINE GROOVES AT RAILROADS

2-LANE RURAL CENTERLINE RUMBLE STRIP, MILLING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA

6
SDD 13A11 - 03b

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 MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

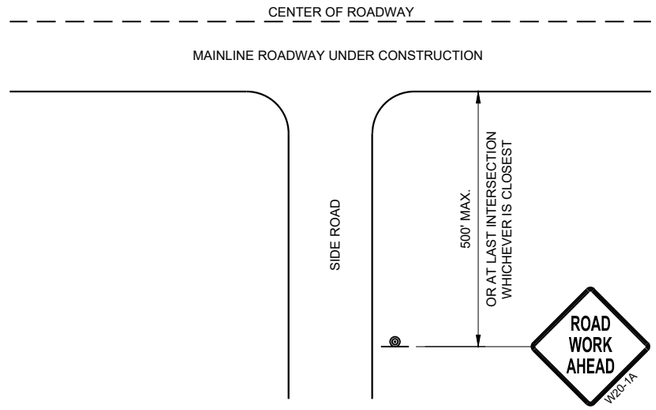
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN 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 REESTABLISHED.

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

** PLACE AN ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



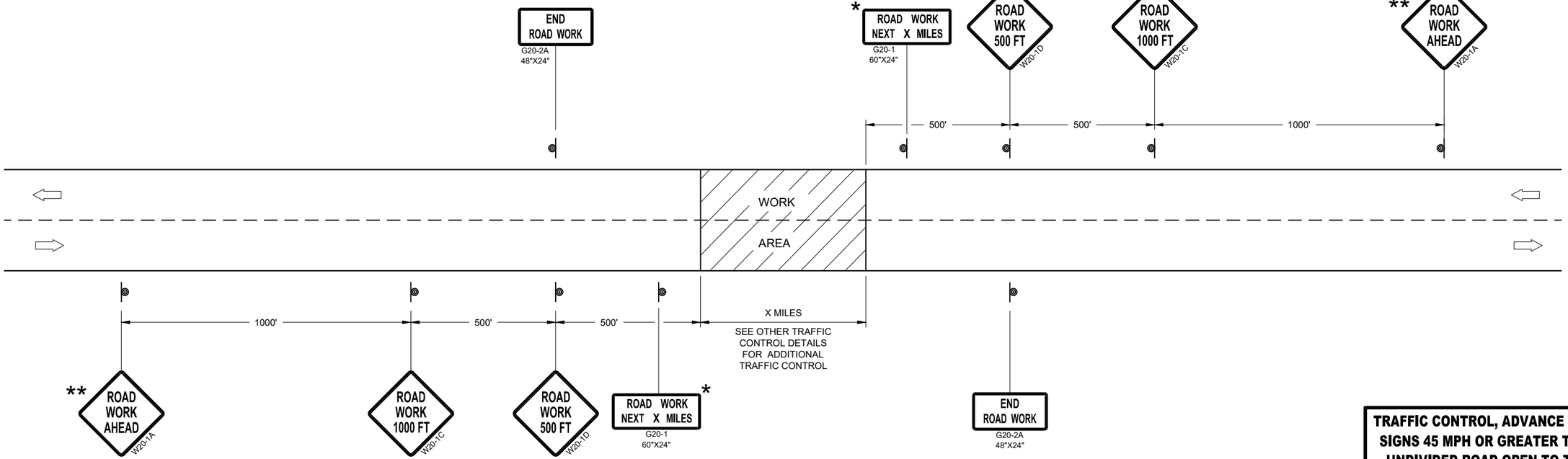
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

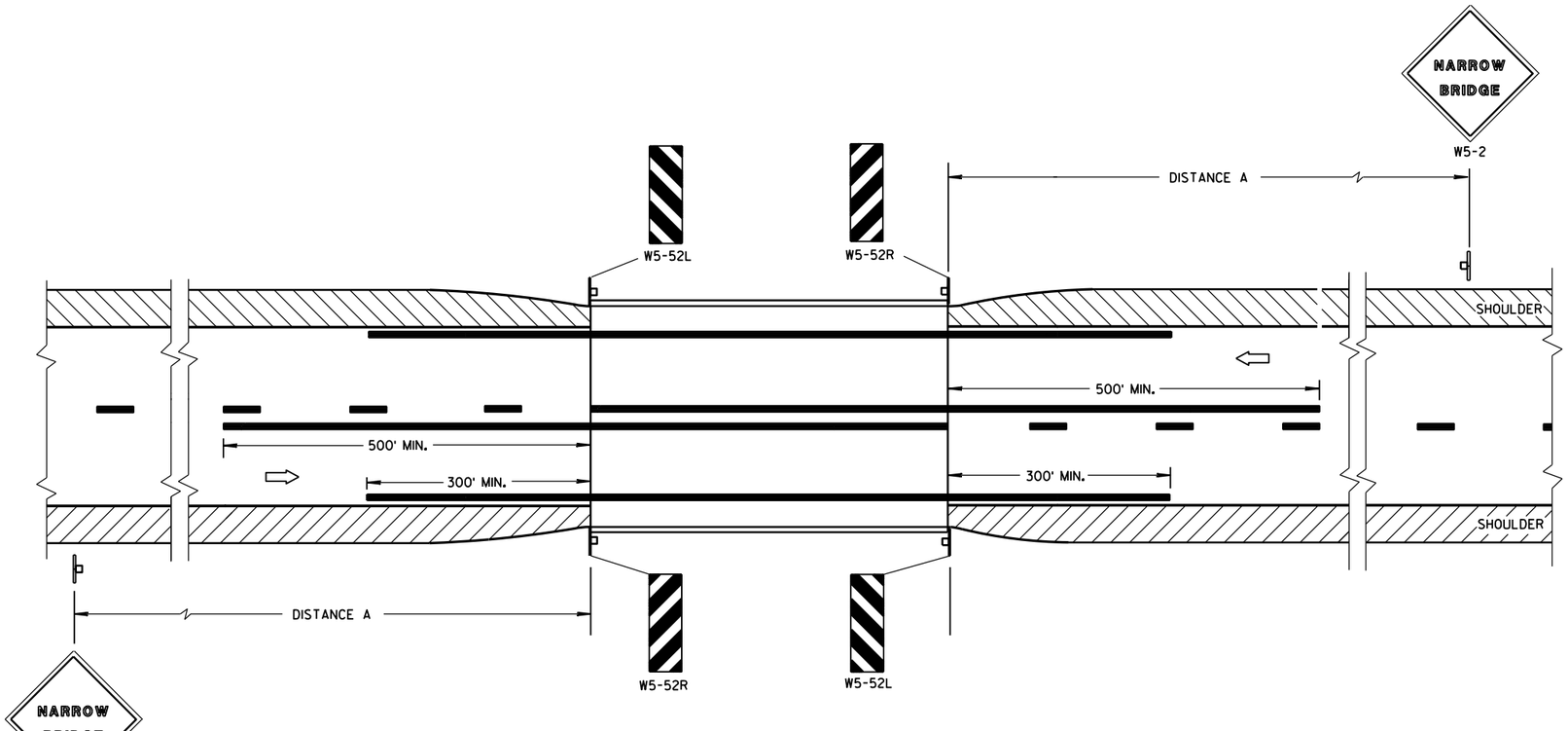
APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C04 - 05



SITUATION 1

WARRANTING CRITERIA:

BRIDGE WIDTH IS AT LEAST 16 FEET BUT LESS THAN 24 FEET.

DISTANCE TABLE

POSTED OR 85th PERCENTILE SPEED	DISTANCE "A"
25	150'
30	200'
35	250'
40	300'
45	400'
50	550'
55	750'

GENERAL NOTES

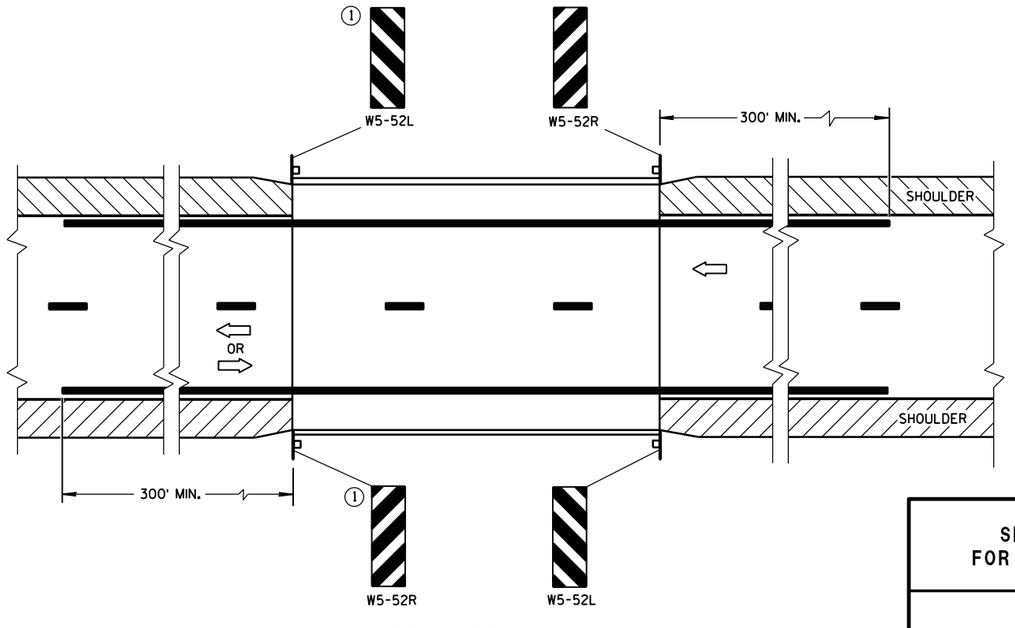
DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

LOCATE W5-52 SIGN POST(S) BEHIND GUARDRAIL WHEN PRESENT.

PLACE THE EDGE OF THE W5-52 SIGN IN LINE WITH FACE OF CURB OR PARAPET.

(1) OMIT ON ONE-WAY TRAVELLED WAYS.

⇨ DIRECTION OF TRAFFIC



SITUATION 2

WARRANTING CRITERIA:

1. BRIDGE WIDTH IS AT LEAST 24 FEET AND
2. BRIDGE SHOULDER WIDTH IS LESS THAN 6 FEET.

SIGNING & MARKING FOR TWO LANE BRIDGES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017 — DATE
/S/ Matthew R. Rauch — STATE SIGNING AND MARKING ENGINEER
FHWA

6

S.D.D. 15 C 6-9

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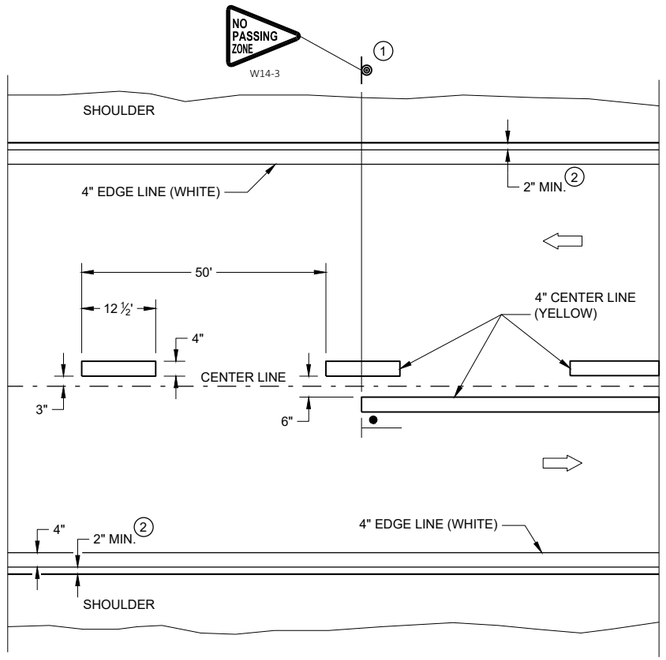
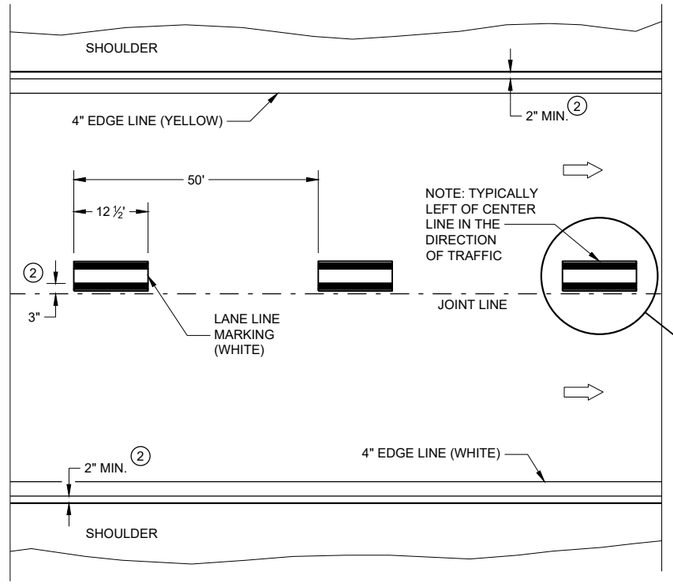
S.D.D. 15 C 6-9

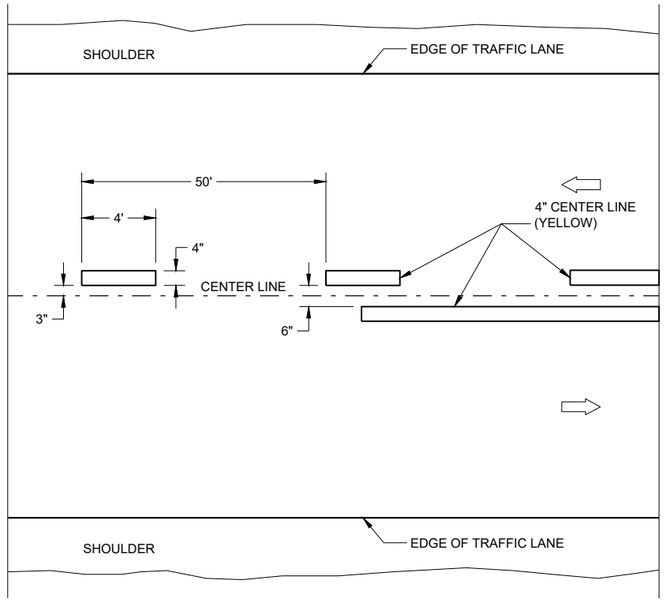


TWO WAY TRAFFIC

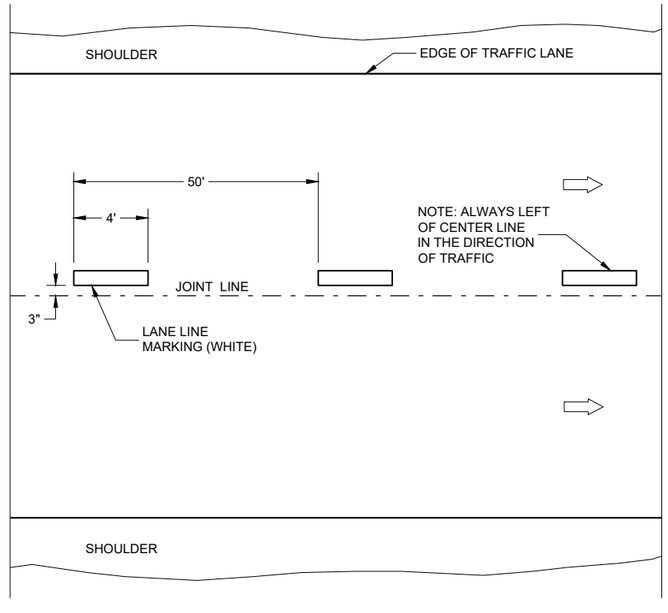


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

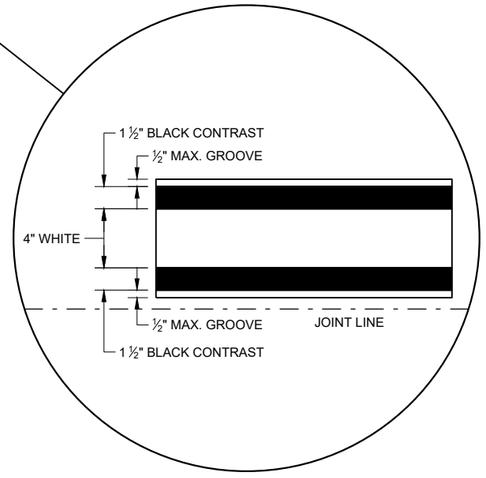
1. LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING
2. MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



LONGITUDINAL MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE
/S/ Matthew Rauch
STATEWIDE SIGNING AND M
ENGINEER

FHWA

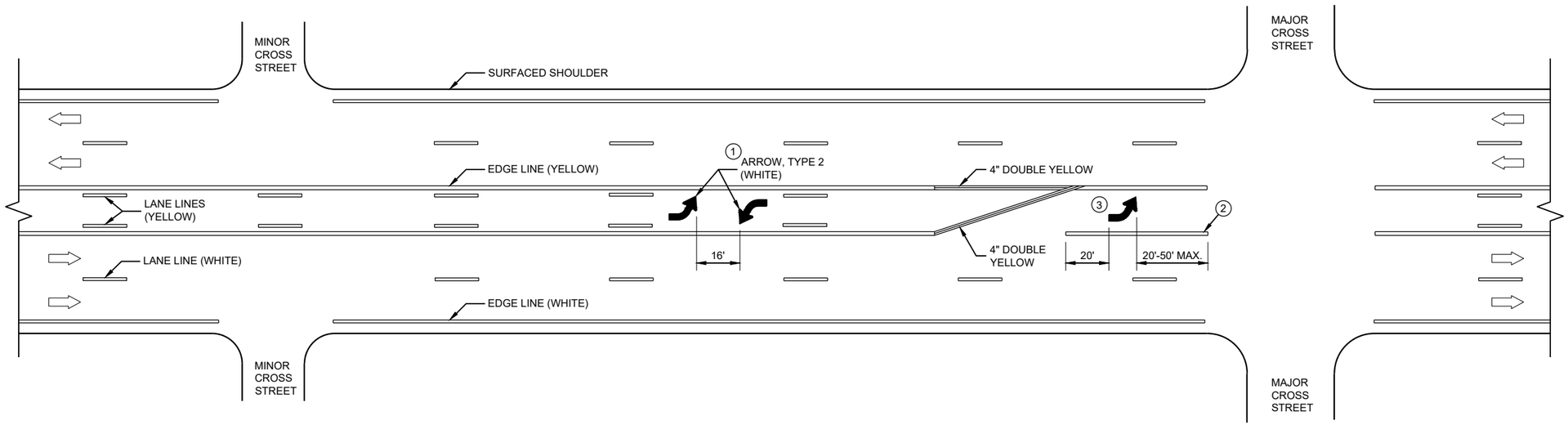
SDD 15C08 - 20a

SDD 15C08 - 20a

GENERAL NOTES

1. A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
2. 8" WHITE
3. TURN BAY LENGTH OF LESS THAN 48' DOES NOT REQUIRE PAVEMENT ARROWS OR TEXT.

DIRECTION OF TRAFFIC



TWO WAY LEFT TURN LANE

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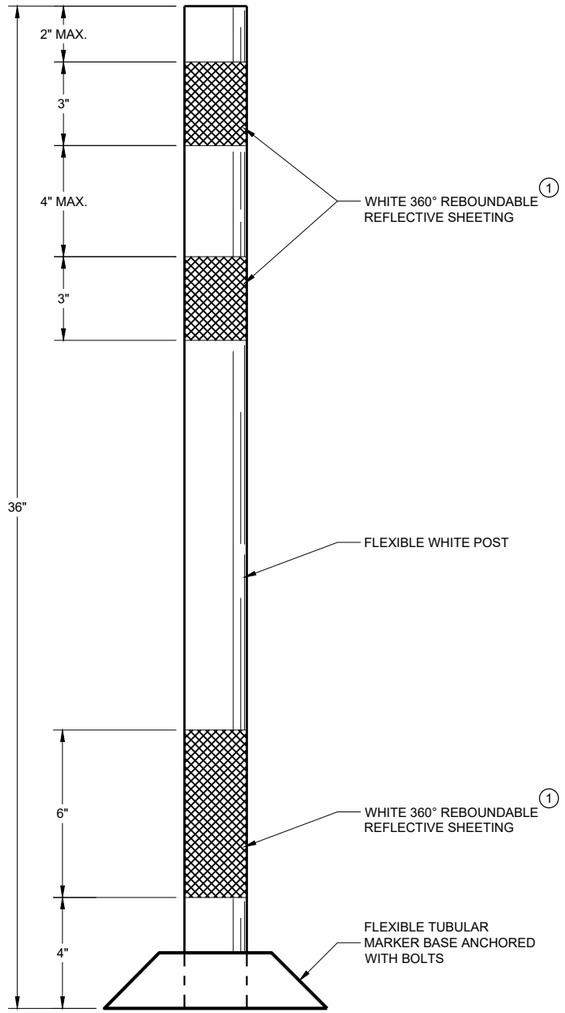
SDD 15C08 - 20b

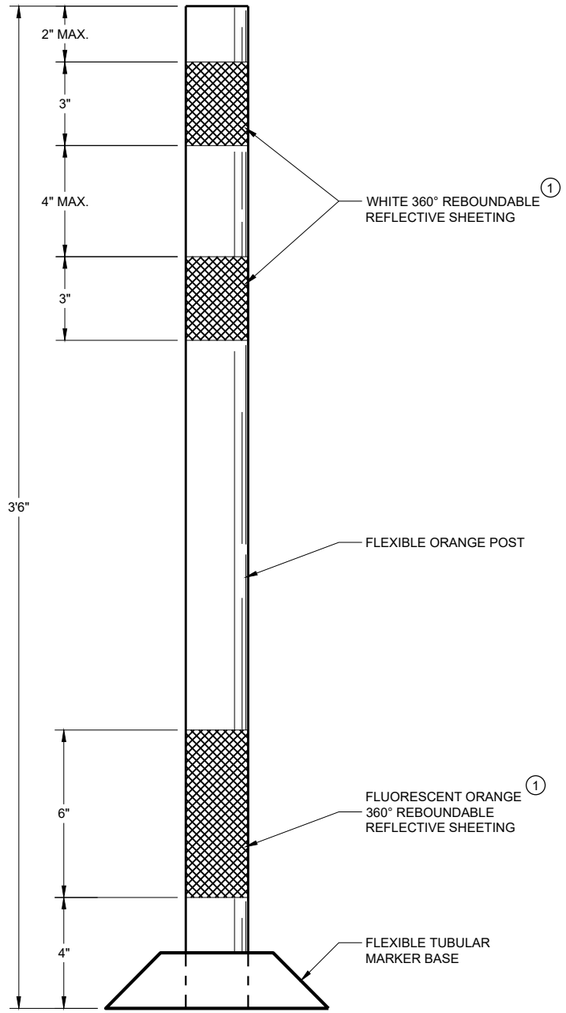
SDD 15C08 - 20b

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA



FLEXIBLE TUBULAR MARKER POST PERMANENT CROSSOVER



FLEXIBLE TUBULAR MARKER POST WORK ZONE

GENERAL NOTES

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

SURFACE MOUNTED BASES SHALL BE FURNISHED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS TO BE COMPATIBLE WITH FLEXIBLE TUBULAR MARKER POSTS TO A SIZE AND SHAPE THAT WILL PROVIDE A STABLE POST FOUNDATION WHEN SECURED TO THE PAVEMENT.

THE ASPHALTIC ADHESIVE OR BUTYL PAD FURNISHED SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, UNLESS DIRECTED BY THE ENGINEER TO USE BOLTS.

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

6

SDD 15C11 - 08a

CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

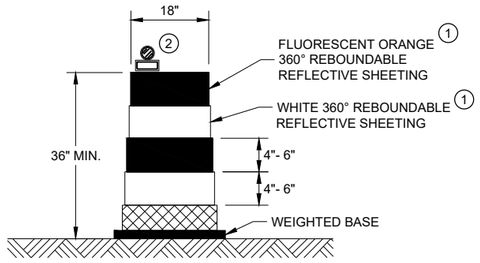
FHWA

6

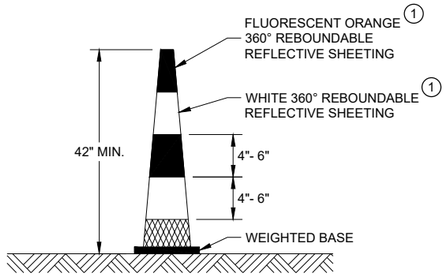
SDD 15C11 - 08a

GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.

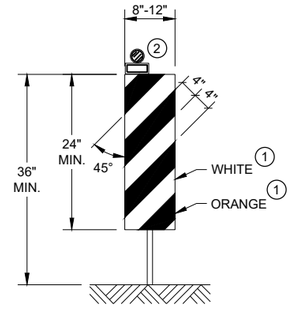


DRUM



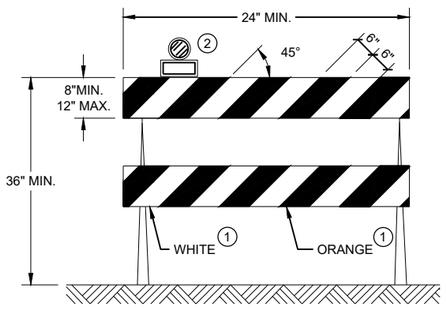
42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS



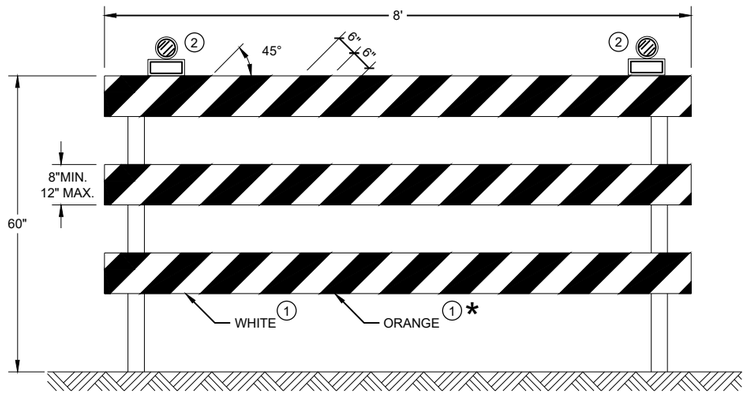
VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO
THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES
MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD
TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP
TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES
DRUMS, CONES, BARRICADES
AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

6

SDD15C11 - 08b

6

SDD15C11 - 08b

LEGEND

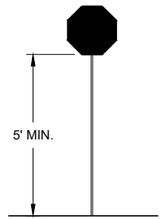
SIGN ON PORTABLE OR PERMANENT SUPPORT

TEMPORARY PORTABLE RUMBLE STRIP ARRAY

DIRECTION OF TRAFFIC

WORK AREA

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



STOP/SLOW PADDLE ON SUPPORT STAFF

GENERAL NOTES

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

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

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

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

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

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

FLAGGING

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

(1) FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

(2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED.

TEMPORARY PORTABLE RUMBLE STRIPS

UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS SPACED ACCORDING TO MANUFACTURER'S RECOMMENDATION, PLACED TRANSVERSE ACROSS THE LANE AT LOCATIONS SHOWN.

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FOR THE APPROVED PRODUCTS LIST.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

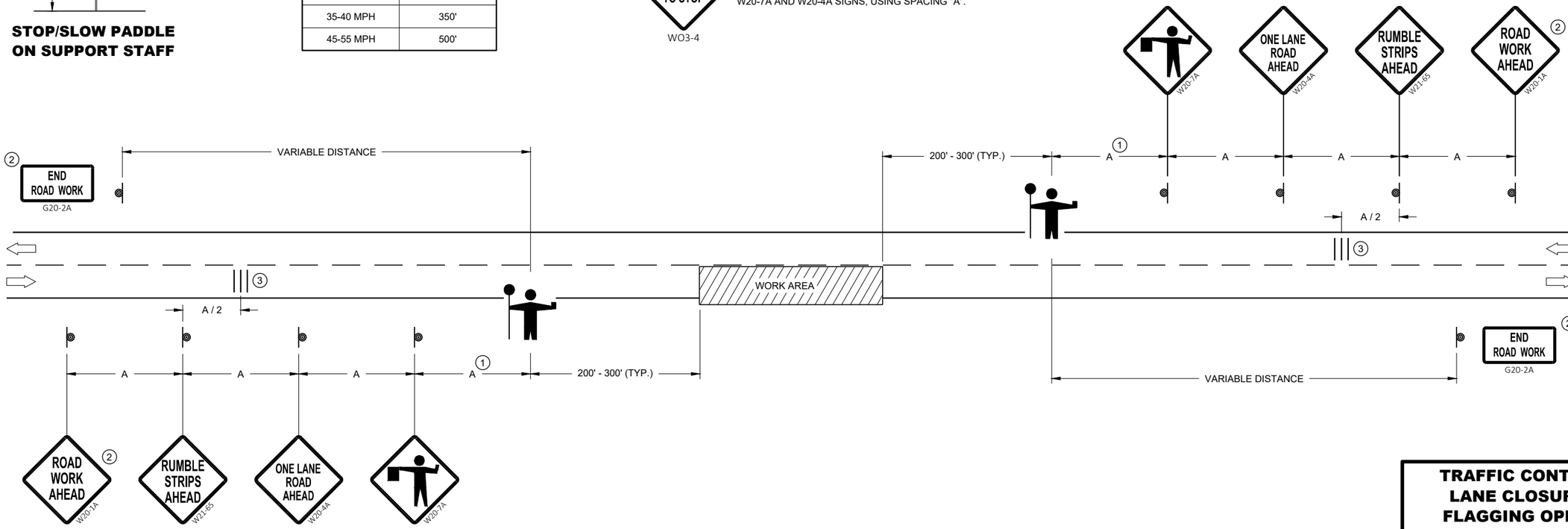
DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.

SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'

WO3-4

USE OF WO3-4 SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING "A".



TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C12 - 07

LEGEND

V1 LEAD VEHICLE

V2 MARKING VEHICLE

V3 SHADOW VEHICLE

TRUCK MOUNTED ATTENUATOR (TMA)

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC

FLASHING ARROW PANEL (CAUTION)

GENERAL NOTES

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

ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL OPERATING IN CAUTION MODE. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

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

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL AND HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

THE WORK AND SHADOW VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW TRAFFIC TO PASS.

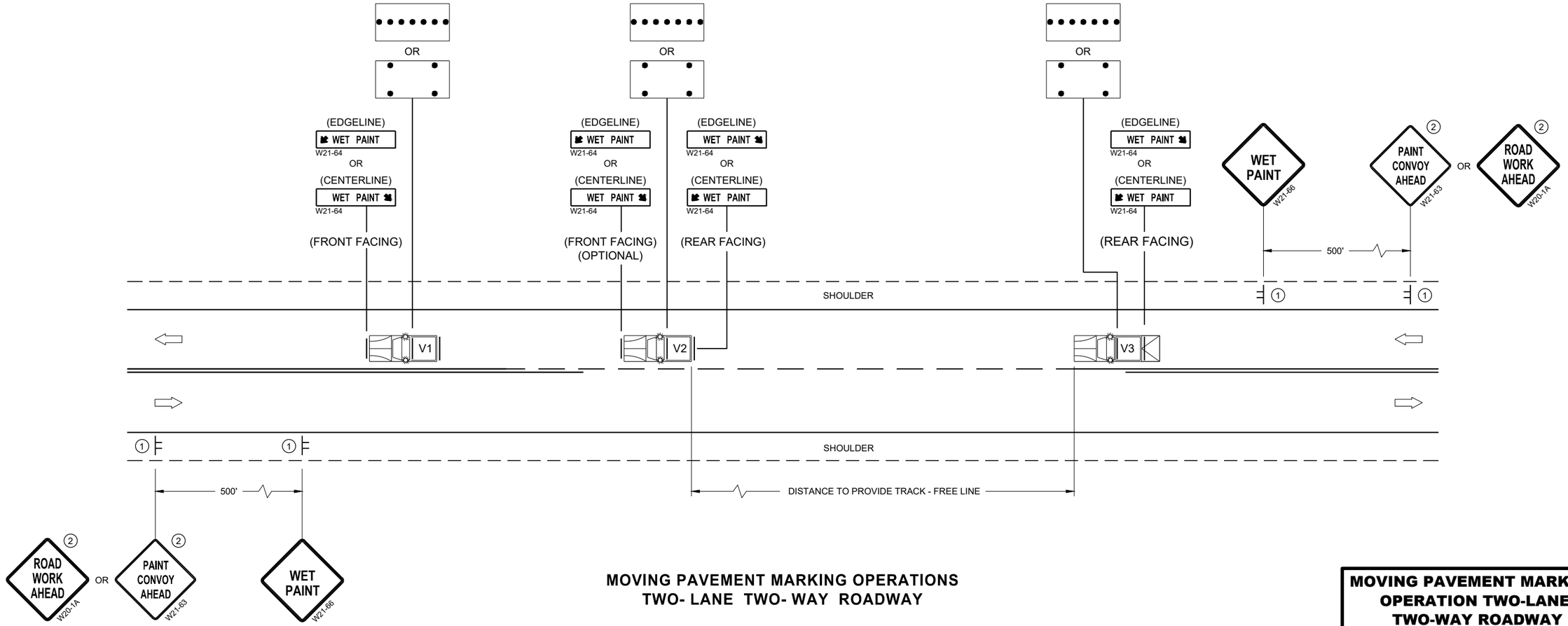
WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC.

CONES SHOULD BE USED BETWEEN THE MARKING AND SHADOW VEHICLE AT 100 FOOT SPACING. CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

CONES SHALL BE A MINIMUM OF 18" FOR WET PAVEMENT MARKING .

(1) SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES.

(2) IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1A OR W21-63 ARE NOT REQUIRED.



MOVING PAVEMENT MARKING OPERATIONS TWO- LANE TWO- WAY ROADWAY

MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

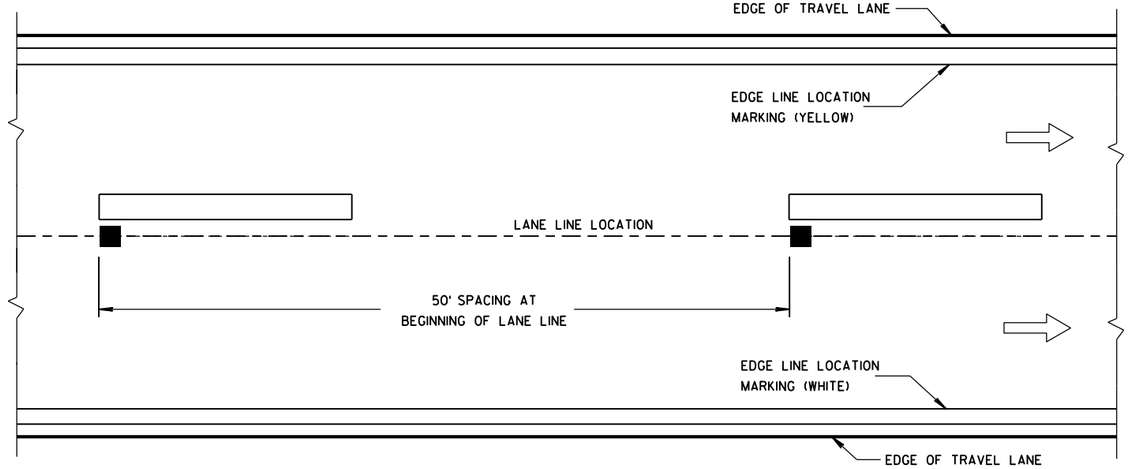
APPROVED
November 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

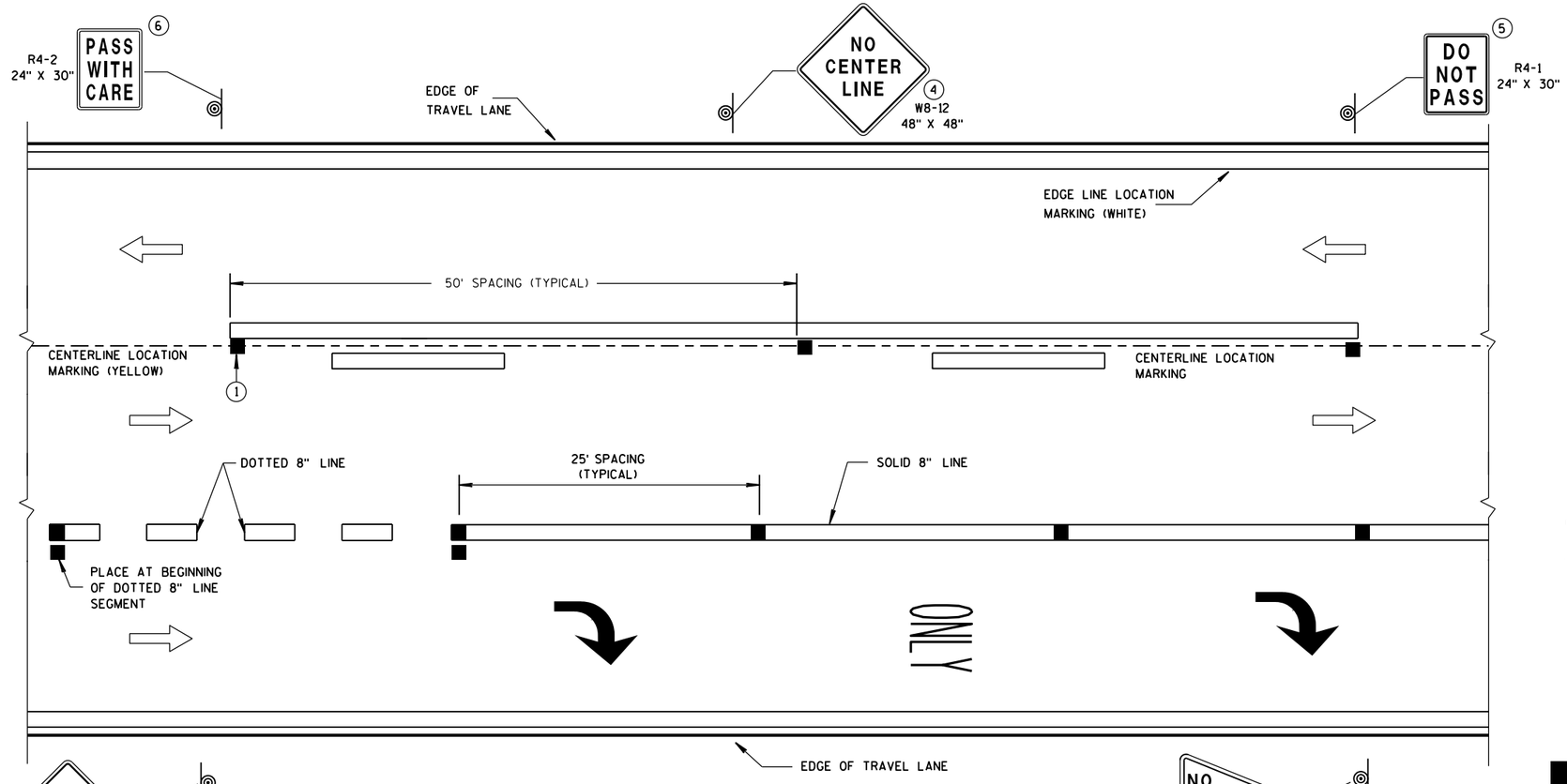
FHWA

SDD 15C19 - 06a

SDD 15C19 - 06a



LONGITUDINAL PLACEMENT 4-INCH LANE LINE



LONGITUDINAL PLACEMENT 4-INCH CENTERLINE AND 8-INCH CHANNEL LINE

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

COLOR OF TEMPORARY RAISED PAVEMENT MARKERS, TYPE II SHALL MATCH THE COLOR OF THE MARKING THEY SUPPLEMENT.

PLACEMENT OF TEMPORARY RAISED PAVEMENT MARKERS ON EDGE LINES ARE OPTIONAL. IF PLACED ON EDGE LINES, MAXIMUM SPACING SHALL BE 50 FEET.

PROVIDE SINGLE OR MULTI-COVER TEMPORARY RAISED PAVEMENT MARKERS AS SHOWN ON PLAN.

MARK T's ON PAVEMENT FOR RE-ESTABLISHING NO PASSING ZONES.

SAME DAY TEMPORARY PAVEMENT MARKING MAY BE USED IN LIEU OF TEMPORARY RAISED PAVEMENT MARKERS, TYPE II.

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

IF TEMPORARY SAME DAY PAVEMENT MARKING IS USED, ENSURE PROPOSED PAVEMENT MARKINGS ARE PLACED IN THE EXACT LOCATIONS AS THE EXISTING MARKINGS, USING A MINIMAL AMOUNT OF TEMPORARY RAISED PAVEMENT MARKERS, TYPE II OR OTHER METHODS AS APPROVED BY THE ENGINEER.

IF ROADWAY IS DETOURED DURING CONSTRUCTION, THE DO NOT PASS, PASS WITH CARE AND NO CENTERLINE SIGNS MAY BE OMITTED, PROVIDED A LIQUID MARKING IS INSTALLED BEFORE THE ROADWAY IS REOPENED TO TRAFFIC.

(1) FOR DOUBLE SOLID YELLOW, PLACE THE MARKERS BETWEEN THE LINES.

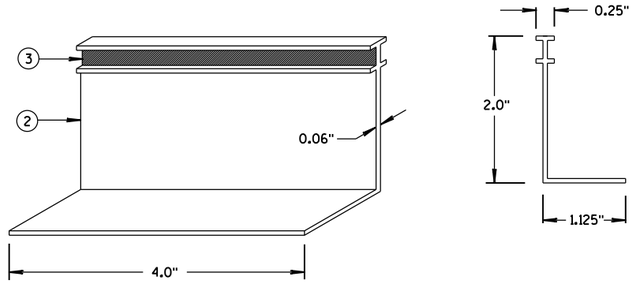
(2) MARKERS SHALL BE OF POLYURETHANE MATERIAL.

(3) MARKERS SHALL HAVE A MINIMUM SIZE REFLECTIVE SURFACE OF 4 INCH WIDTH X 0.25 INCH HEIGHT.

(4) NO CENTER LINE SIGNS SHALL BE PLACED AT THE BEGINNING OF PROJECT, AT TWO-MILE INTERVALS AND AFTER STATE AND COUNTY HIGHWAY INTERSECTIONS.

(5) DO NOT PASS SIGNS SHALL BE INSTALLED AT THE BEGINNING OF NO PASSING ZONES. ADDITIONAL DO NOT PASS SIGNS SHALL BE INSTALLED AT ONE MILE INTERVALS AND AFTER STATE AND COUNTY HIGHWAY INTERSECTIONS WITHIN THE NO PASSING ZONE.

(6) PASS WITH CARE SIGNS SHALL BE PLACED AT THE DOWNSTREAM END OF NO PASSING ZONES.



ISOMETRIC VIEW

SIDE VIEW

TEMPORARY RAISED PAVEMENT MARKER, TYPE II

LEGEND

- TEMPORARY RAISED PAVEMENT MARKER, TYPE II
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- DIRECTION OF TRAVEL

STANDARD APPLICATION FOR TEMPORARY RAISED PAVEMENT MARKERS, TYPE II

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6-2017 — DATE
/S/ Matthew R. Rauch
STATE SIGNING AND MAR[illegible] ENGINEER
FHWA

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S.D.D. 15 C 34-3

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S.D.D. 15 C 34-3

LEGEND

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL DRUM

DIRECTION OF TRAFFIC

WORK ZONE

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

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

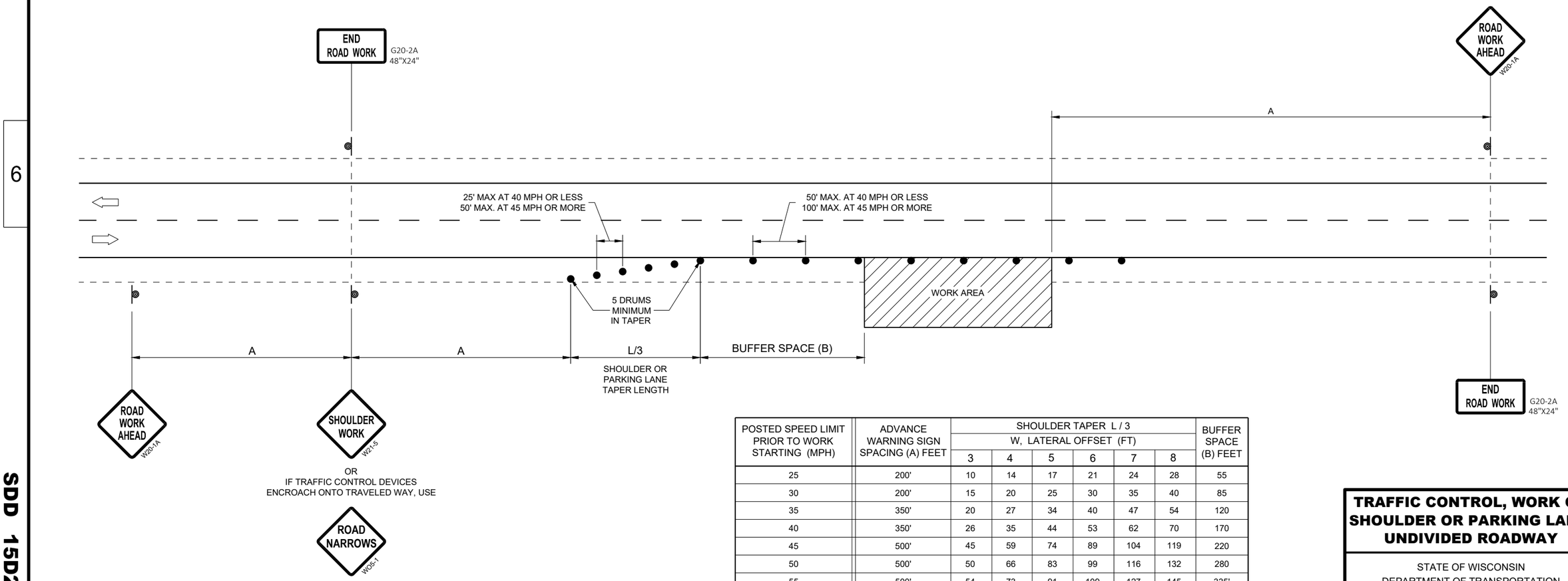
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

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

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

W20-1A AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHOULDER TAPER L / 3 W, LATERAL OFFSET (FT)						BUFFER SPACE (B) FEET
		3	4	5	6	7	8	
25	200'	10	14	17	21	24	28	55
30	200'	15	20	25	30	35	40	85
35	350'	20	27	34	40	47	54	120
40	350'	26	35	44	53	62	70	170
45	500'	45	59	74	89	104	119	220
50	500'	50	66	83	99	116	132	280
55	500'	54	73	91	109	127	145	335'

TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

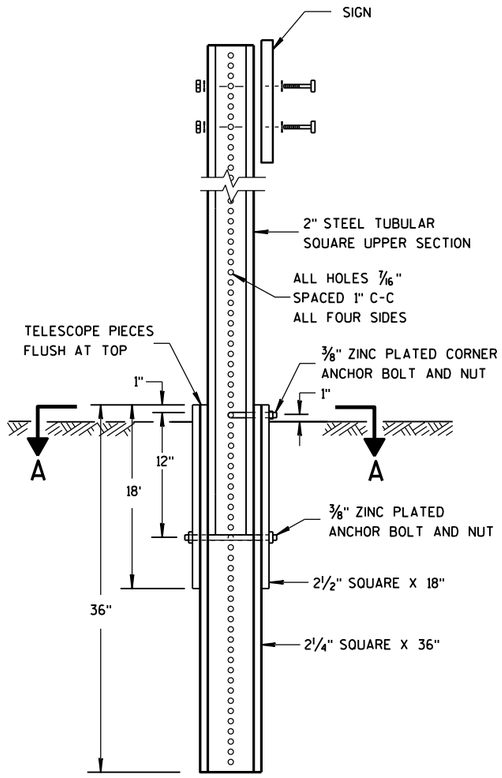
APPROVED
May 2020
DATE

/S/ Andrew Heidtke
STATEWIDE WORK ZONE T SAFETY ENGINEER

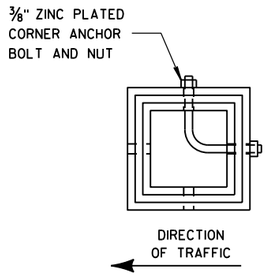
FHWA

SDD 15D28 - 04

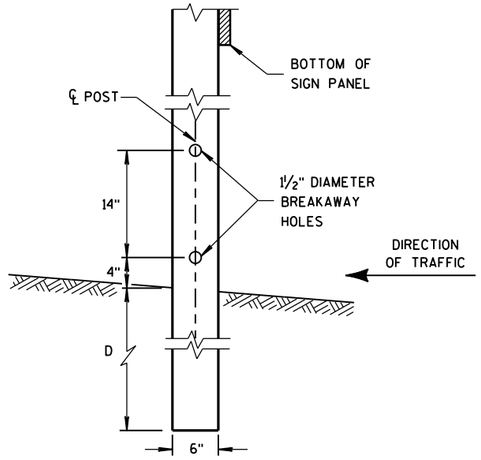
SDD 15D28 - 04



DETAIL OF TUBULAR STEEL SIGN POST



SECTION A-A



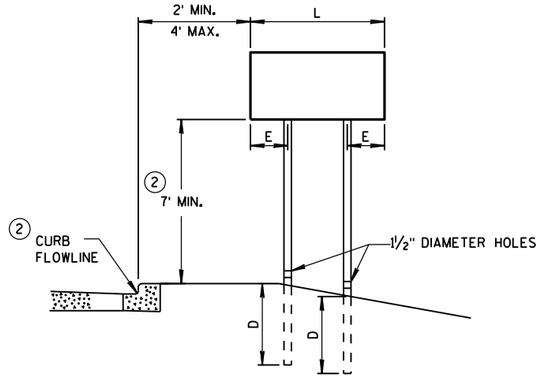
4"x6" WOOD POST MODIFICATION

GENERAL NOTES

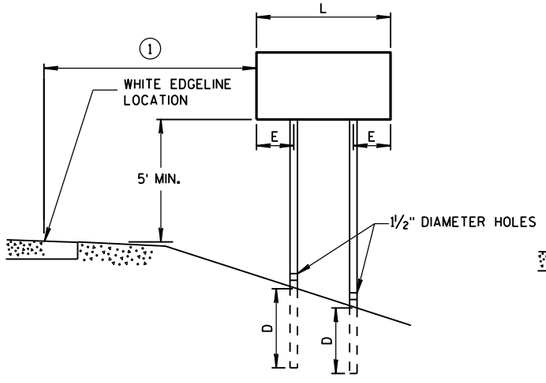
(1) 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.

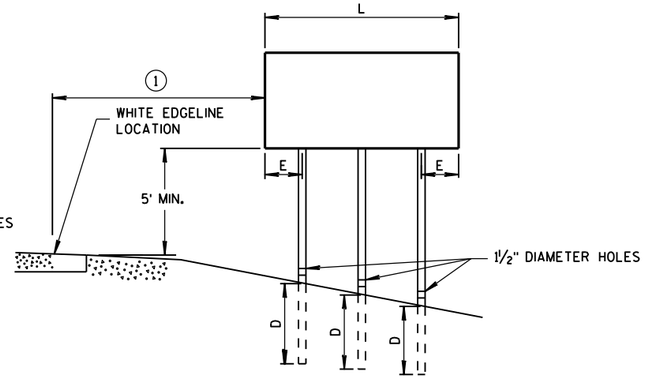
(2) THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK AND NO PARKING, VERTICAL CLEARANCE MAY BE REDUCED TO 5 FOOT MINIMUM. OFFSET OF SIGNS IS MEASURED FROM THE CURB FLOWLINE.

(3) FOR SIGNS REQUIRING 4 POSTS, SPACE INTERMEDIATE POSTS EVENLY.



URBAN AREA





RURAL AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

TUBULAR STEEL POSTS

AREA OF SIGN INSTALLATION (SQ. 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 SQ. FT. SHALL BE MOUNTED ON MULTIPLE POSTS (SEE ABOVE TABLE).

SIGNS LARGER THAN 27 SQ. FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

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 WOOD POSTS REQUIRED
L	E	
48" OR LESS AND LESS THAN 20 SQ. FT.	-	1
LESS THAN 60"	12"	2
60" TO 120"	L/5	2
GREATER THAN 120" LESS THAN 168"	12"	3
168" AND GREATER	12"	4

SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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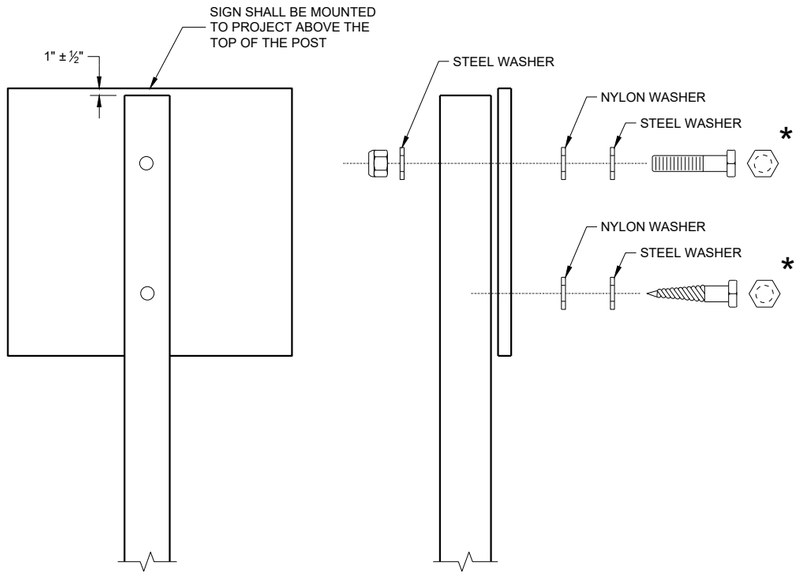
S.D.D. 15 D 38-2a



NUTS, BOLTS AND LAGS USED FOR MOUNTING SIGNS SHALL HAVE HEXAGONAL HEADS AND SHALL BE EITHER:

A. HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM
   DESIGNATION: A 153, CLASS D, OR SC 3
B. ELECTRO-GALVANIZED IN ACCORDANCE WITH ASTM
   DESIGNATION: B 633, TYPE III, SC 3

THREADS ON BOLTS AND NUTS SHALL BE MANUFACTURED WITH SUFFICIENT ALLOWANCE FOR THE CADMIUM PLATE OR GALVANIZED COATING TO PERMIT THE NUTS TO RUN FREELY ON THE BOLTS.

WOOD POST (4" x 6")
LAG SCREWS - ⅜" x 3"
MACHINE BOLTS - 5/16" x 6 ½" OR 7" LENGTH W/NUTS

SQUARE STEEL POST (2" x 2")
MACHINE BOLTS - ⅜" x 3 ¼" LENGTH W/NUTS
RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM
BODY/MANDREL O.D. FLANGE 0.720 - 0.765 INCH,
GRIP RANGE 0.042 - 0.375 INCH

WASHERS (ALL POSTS) -
1 ¼" O.D. x ⅜" I.D. x 1/16" STEEL
1 ¼" O.D. x ⅜" I.D. x 0.080 NYLON

* TWO DIFFERENT FASTENING SYSTEMS ARE SHOWN FOR ILLUSTRATION PURPOSES. ON ANY INDIVIDUAL SIGN, EITHER ONE OR THE OTHER SYSTEM SHALL BE USED. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

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SDD 15D38 - 02b

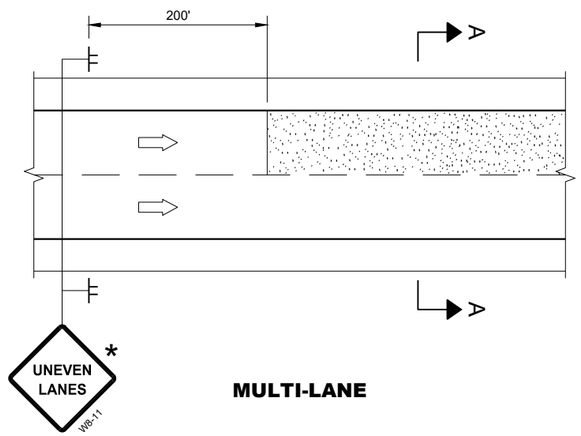
SDD15D38 - 02b

ATTACHMENT OF SIGNS TO POSTS

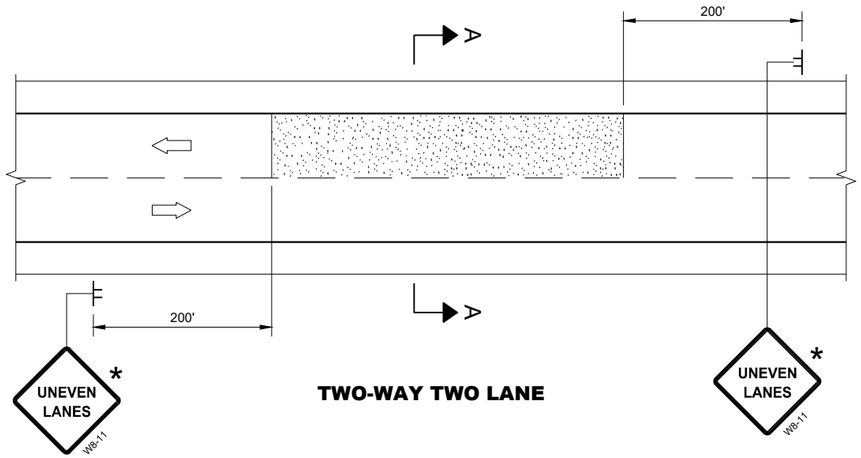
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA



MULTI-LANE



TWO-WAY TWO LANE

GENERAL NOTES

FOR SPOT LOCATIONS USE ENGINEERING JUDGEMENT WHEN PLACING ADDITIONAL SIGNS.

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

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

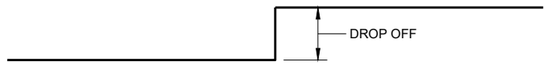
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

* IF THE DROP-OFF IS CONTINUOUS ALONG THE PROJECT, PLACE ADDITIONAL SIGNS EVERY 1 MILE AND AFTER EVERY ENTRANCE RAMP.

(1) USE CLOSER SPACING WHEN DELINEATING DROP-OFF.

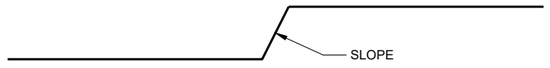
LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA WITH DROP-OFF
- MILLED SURFACE

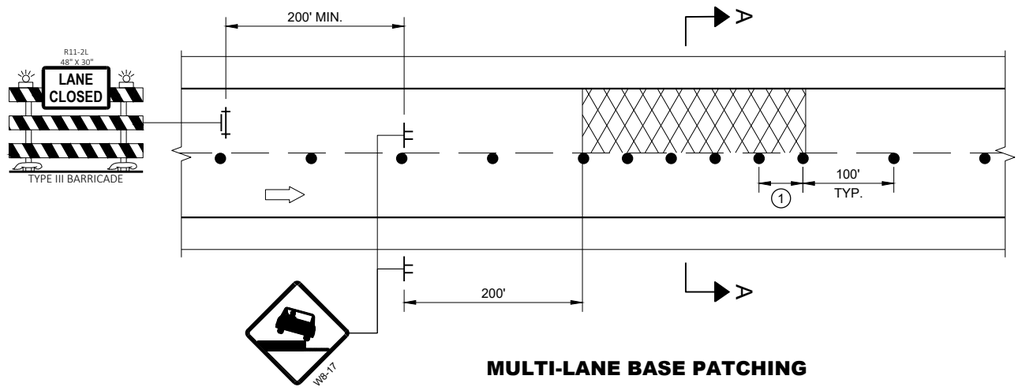


SECTION A - A

OR

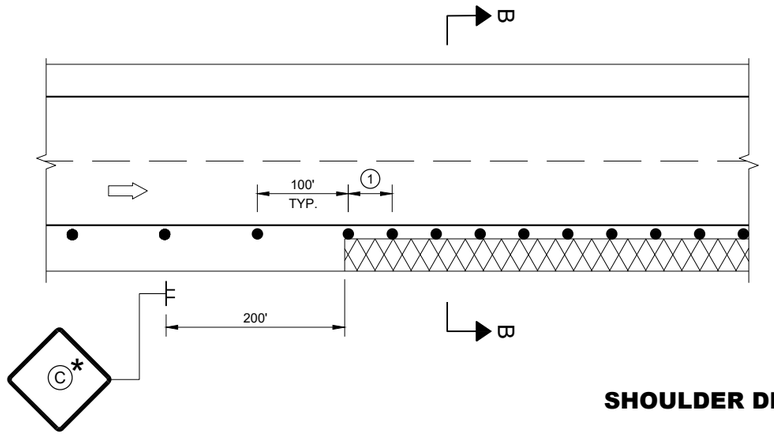


SECTION A - A

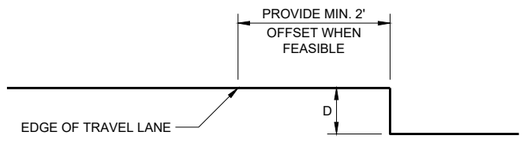


MULTI-LANE BASE PATCHING

ADJACENT LANE DROP-OFFS



SHOULDER DROP-OFFS



SECTION B - B

D	SIGN (C)
< 2" WITH A SLOPE STEEPER THAN 3:1	LOW SHOULDER WO8-9
2" < 6" WITH A SLOPE STEEPER THAN 3:1	SHOULDER DROP - OFF W8-9A PROVIDE A 3:1 OR FLATTER SLOPE OF MATERIAL ADJACENT TO THE PAVEMENT

TRAFFIC CONTROL, DROP-OFF SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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SDD 15D39 - 02

GENERAL NOTES

DRAWING NOT TO SCALE. ALL SIGNS AND POSTS ON THIS SHEET SHALL BE PAID FOR WITH 'TRAFFIC CONTROL SIGNS' BID ITEM. ALL SIDE ROADS WHICH ARE UNDER CONSTRUCTION OF CURB AND GUTTER AND/OR GRADING SHALL BE ADEQUATELY SIGNED.

ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD). SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISDOT STANDARD SIGN PLATES.

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

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

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

ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE CONTROL ZONE, INCLUDING PRE-EXISTING SIGNS IN THE VICINITY, SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.

SEE 15C34 FOR ADDITIONAL TRAFFIC CONTROL SIGNING WHEN CENTERLINE PAVEMENT MAKINGS ARE MISSING. 'DO NOT PASS' SIGNS MUST BE INSTALLED ON THE SAME DAY AS MILLING OPERATIONS.

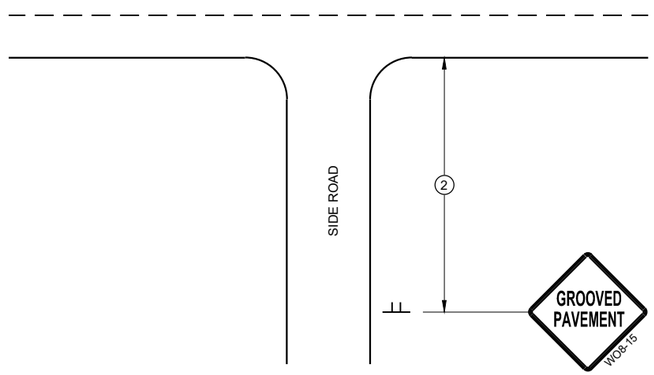
(1) PLACE SIGNS 350' IN ADVANCE OF MILLED SURFACES AND AT 1 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.

(2) PLACE SIGN 200' MIN. FROM INTERSECTION AND 200' MIN. AFTER ADVANCE WARNING SIGN SHOWN IN SDD 15C04.

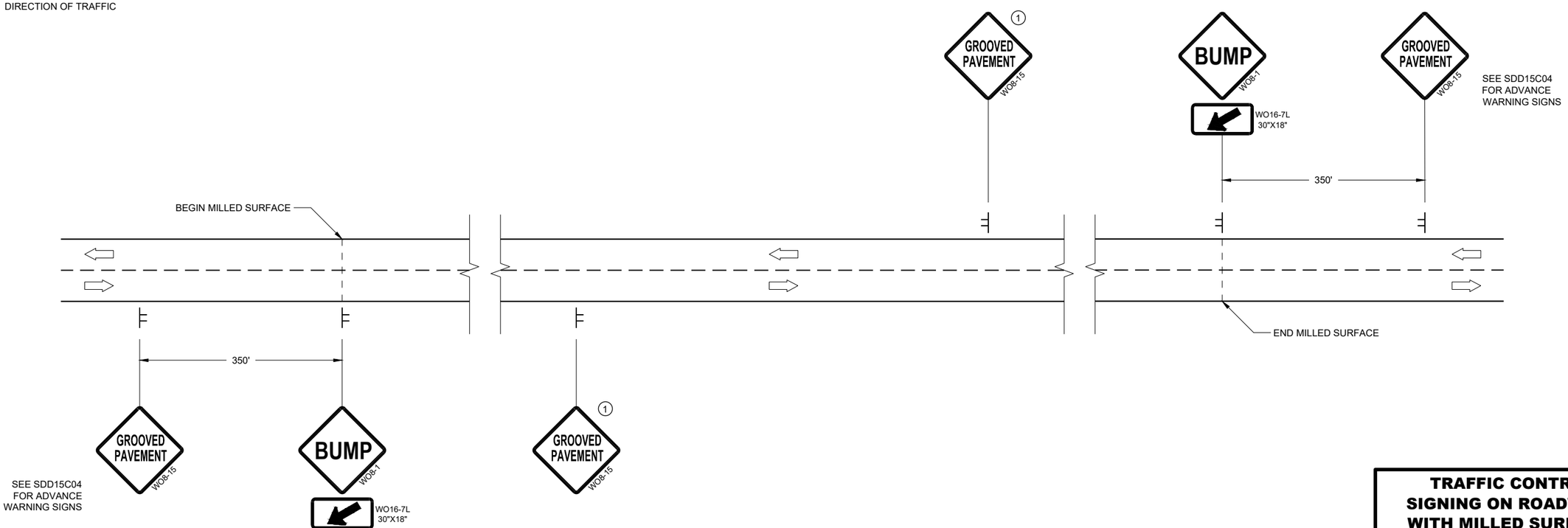
LEGEND

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC



TYPICAL SIDE ROAD APPROACH SIGN DETAIL



DETAIL FOR SIGNING ON MILLED SURFACES

TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

SDD 15D44 - 02

SDD 15D44 - 02

Notes

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