RHI

DECEMBER 2026

PROJECT ID: 9660-01-74

WITH: N/A

COUNTY: MENOMINEE

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
~~Section No.~~	~~4~~	~~Right of Way Plat~~
Section No.	5	Plan and Profile
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plates
~~Section No.~~	~~8~~	~~Structure Plans~~
Section No.	9	Computer Earthwork Data
Section No.	9	Cross Sections

TOTAL SHEETS = 140



37

DESIGN DESIGNATION 9660-01-04

			STH SS	CTH M
A.A.D.T.	2027	=	630	600
A.A.D.T.	2047	=	630	600
D.H.V.		=	99	B7
D.D.		=	60/40	60/40
T.		=	21.4%	17%
DESIGN SPEED		=	SS MPH	SS MPH
ESALS		=	340,000	270,000

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'ER')
- 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

SHAWANO - LANGLADE

STH 55 AND CTH M (E) INTERSECTION

CTH M
MENOMINEE

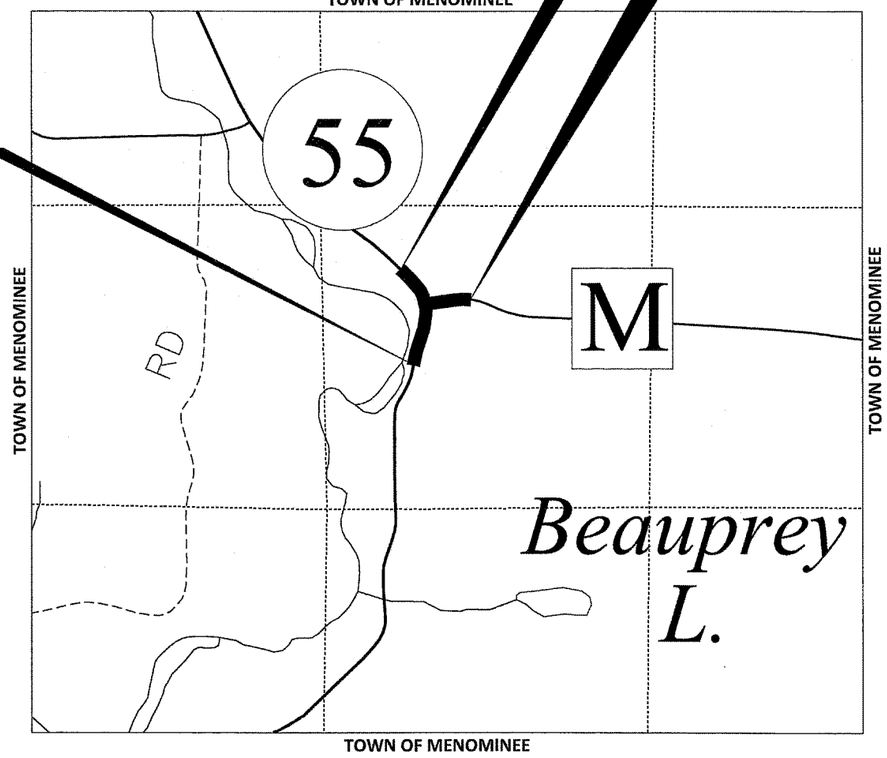
STATE PROJECT NUMBER
9660-01-74

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
9660-01-74	WISC 2027085	1

BEGIN PROJECT
STA. 12+50.00
Y = 101,449.68
X = 297,540.64

END PROJECT
STA. 25+97.50

END PROJECT
STA. 21'A'+53.00



LAYOUT

SCALE 0 0.5 MI

STH SS TOTAL NET LENGTH OF CENTERLINE = 0.255 MI

CTH M TOTAL NET LENGTH OF CENTERLINE = 0.057 MI

TOTAL NET LENGTH OF CENTERLINE = 0.312 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), MENOMINEE COUNTY. NAD83 (2011), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRIO BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES. ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 18A.

ACCEPTED FOR

MENOMINEE COUNTY

7/29/26 (Signature and Title of Official)

Date

ORIGINAL PLANS PREPARED BY

JEWELL

WISCONSIN
NICHOLAS G PEHLER
E-48548
PORT EDWARDS, WI
PROFESSIONAL ENGINEER
7-29-26

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	JEWELL ASSOCIATES ENGINEERS, INC.
Designer	JEWELL ASSOCIATES ENGINEERS, INC.
Project Manager	NATHAN WAITE, P.E.
Regional Examiner	NC REGION
Regional Supervisor	DAN ERVA, P.E.

APPROVED FOR THE DEPARTMENT

DATE: 07/29/2026 (Signature)

E

FILE NAME : R:\PROJECTS\W11720 WISDOT - STH 55 & CTH M, MENOMINEE CO\SHEETSPLAN\W11720_TITLE SHEET_RECOVER.DWG

PLOT DATE : 8/27/2024 2:28:00 PM

PLOT BY : NICK PEHLER

PLOT SCALE : 1" = 0.5 MILE

LAYOUT : 1.0 TITLE

GENERAL NOTES

HMA PAVEMENT QUANTITIES WERE CALCULATED USING 112 LB/SY/IN.

APPLY TACK COAT AT A RATE OF 0.05 GAL/SY BETWEEN LAYERS OF HMA PAVEMENT.

ADJUST DITCH GRADING AS NECESSARY TO FIELD CONDITIONS AND AS DIRECTED BY THE ENGINEER IN THE FIELD.

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

CURB AND GUTTER ELEVATIONS ARE GIVEN ON THE FLANGE LINE, UNLESS OTHERWISE NOTED. EXPANSION JOINTS SHALL BE CONSTRUCTED AT ALL RADII POINTS IN THE CURB AND GUTTER.

ALL RADII DIMENSIONS ON THE PLAN ARE GIVEN TO THE EDGE OF ASPHALT. CURVE DATA IS BASED ON THE ARC DEFINITION.

CONTACTS

WISCONSIN DOT:
WISDOT LOCAL PROGRAM PROJECT MANAGER
510 N. HANSON LAKE ROAD
RHINELANDER, WI 54501
ATTN: NATHAN WAITE, P.E.
PH: (715) 365-5762
E-MAIL: NATHANIEL.WAITE@DOT.WI.GOV

WDNR LIAISON:
STATE OF WISCONSIN
NATURAL RESOURCES, NORTHEAST REGIONAL HQ
2984 SHAWANO AVE.
GREEN BAY, WI 54313
ATTN: JIM DOPERALSKI, JR.
PH: (920) 412-0165
E-MAIL: JAMES.DOPERALSKI@WISCONSIN.GOV

DESIGN CONSULTANT:
JEWELL ASSOCIATES ENGINEERS, INC.
1210 PARKWOOD DRIVE
WISCONSIN RAPIDS, WI 54494
ATTN: NICK PEHLER, P.E.
PH: (715) 318-8565
CELL : (715) 459-5665
EMAIL: NICK.PEHLER@JEWELLASSOC.COM

COUNTY HIGHWAY DEPARTMENT:
MENOMINEE COUNTY HIGHWAY COMMISSIONER
W2703 CHIEF CARRON RD
KESHENA, WI 54135
ATTN: JAMES HORTON
PH: (715) 799-3369
EMAIL: JHORTON@CO.MENOMINEE.WI.US

UTILITIES

ELECTRICITY
ALLIANT ENERGY
ATTN: BILL BASTIAN
883 W SCOTT ST
FOND DU LAC, WI 54937
PH: (920) 322-6716
EMAIL: WILLIAMBASTIAN@ALLIANTENERGY.COM

COMMUNICATION LINES
CHARTER COMMUNICATIONS
ATTN: MACALLISTER CRAWFORD
3545 PLANK ROAD
APPLETON, WI 54915
PH: (920) 400-7913
EMAIL: MACALLISTER.CRAWFORD@SPECTRUM.COM

FRONTIER COMMUNICATIONS
ATTN: JEREMY ZEHM
154 E 2ND ST
NEW RICHMOND, WI 54017
PH: (715) 243-9243
EMAIL: JEREMY.ZEHM@FTR.COM

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

LIST OF STANDARD ABBREVIATIONS

ABUT	Abutment	INV	Invert	RDWY	Roadway
AC	Acre	IP	Iron Pipe or Pin	SALV	Salvaged
AGG	Aggregate	IRS	Iron Rod Set	SAN S	Sanitary Sewer
AH	Ahead	JT	Joint	SEC	Section
<	Angle	JCT	Junction	SHLDR	Shoulder
ASPH	Asphaltic	LHF	Left-Hand Forward	SHR	Shrinkage
AVG	Average	L	Length of Curve	SW	Sidewalk
ADT	Average Daily Traffic	LIN FT	Linear Foot	S	South
BAD	Base Aggregate Dense	or LF		SQ	Square
BK	Back	LC	Long Chord of Curve	SF or SQ FT	Square Feet
BF	Back Face	MH	Manhole	SY or SQ YD	Square Yard
BM	Bench Mark	MB	Mailbox	STD	Standard
BR	Bridge	ML or M/L	Match Line	SDD	Standard Detail Drawings
C or C/L	Center Line	N	North	STH	State Trunk Highways
CC	Center to Center	Y	North Grid Coordinate	STA	Station
C.E.	Commercial Entrance	OD	Outside Diameter	SS	Storm Sewer
CTH	County Trunk Highway	PLE	Permanent Limited Easement	SG	Subgrade
CR	Creek			SE	Superelevation
CR	Crushed	PT	Point	SL or S/L	Survey Line
CY or CU YD	Cubic Yard	PC	Point of Curvature	SV	Septic Vent
CP	Culvert Pipe	PI	Point of Intersection	T	Tangent
C & G	Curb and Gutter	PRC	Point of Reverse Curvature	TEL	Telephone
D	Degree of Curve			TEMP	Temporary
DHV	Design Hour Volume	PT	Point of Tangency	TI	Temporary Interest
DIA	Diameter	POC	Point On Curve	TLE	Temporary Limited Easement
E	East	POT	Point on Tangent		
X	East Grid Coordinate	PVC	Polyvinyl Chloride	t	Ton
ELEC	Electric (al)	PCC	Portland Cement Concrete	T or TN	Town
EL or ELEV	Elevation	LB	Pound	TRANS	Transition
ESALS	Equivalent Single Axle Loads	PSI	Pounds Per Square Inch	TL or T/L	Transit Line
		P.E.	Private Entrance	T	Trucks (percent of)
EBS	Excavation Below Subgrade	R	Radius	TYP	Typical
		RR	Railroad	UNCL	Unclassified
FF	Face to Face	R	Range	UG	Underground Cable
F.E.	Field Entrance	RL or R/L	Reference Line	USH	United States Highway
F	Fill	RP	Reference Point	VAR	Variable
FG	Finished Grade	RCCP	Reinforced Concrete Culvert Pipe	V	Velocity or Design Speed
FL or F/L	Flow Line			VERT	Vertical
FT	Foot	REQD	Required	VC	Vertical Curve
FTG	Footing	RES	Residence or Residential	VOL	Volume
GN	Grid North	RW	Retaining Wall	WM	Water Main
HT	Height	RT	Right	WV	Water Valve
CWT	Hundredweight	RHF	Right-Hand Forward	W	West
HYD	Hydrant	R/W	Right-of-Way	WB	Westbound
INL	Inlet	RD	Road	YD	Yard
ID	Inside Diameter	R	River		

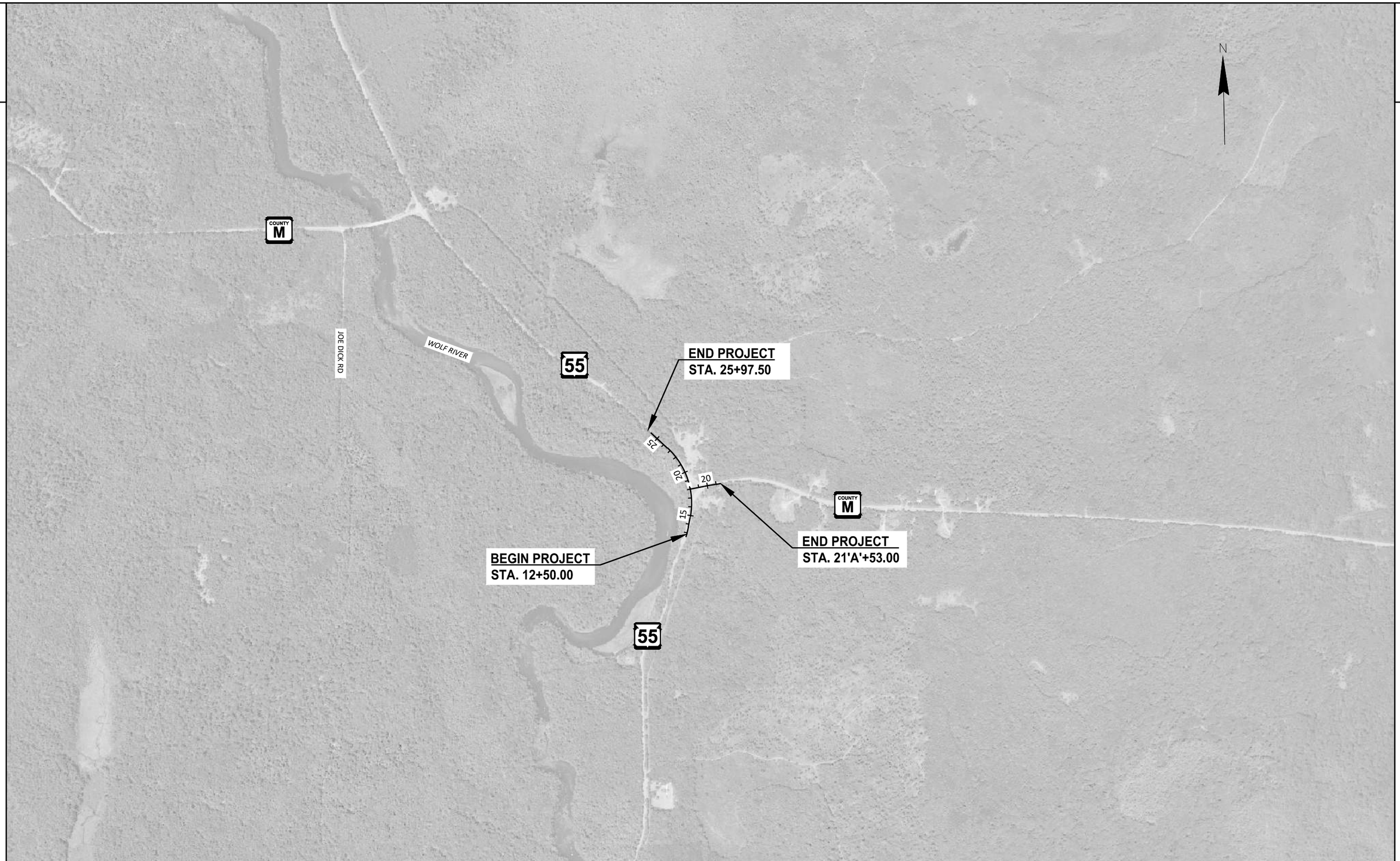
ORDER OF SECTION 2 SHEETS:

- GENERAL NOTES
- PROJECT OVERVIEW
- TYPICAL SECTIONS
- CONSTRUCTION DETAILS
- PAVEMENT LAYOUT
- EROSION CONTROL PLAN
- SIGNING REMOVALS
- SIGNING INSTALLS
- PAVEMENT MARKING
- TRAFFIC CONTROL PLANS

2

PROJECT NO: 9660-01-74	HWY: CTH M	COUNTY: MENOMINEE	GENERAL NOTES, UTILITIES, & ABBREVIATIONS	SHEET 2	E

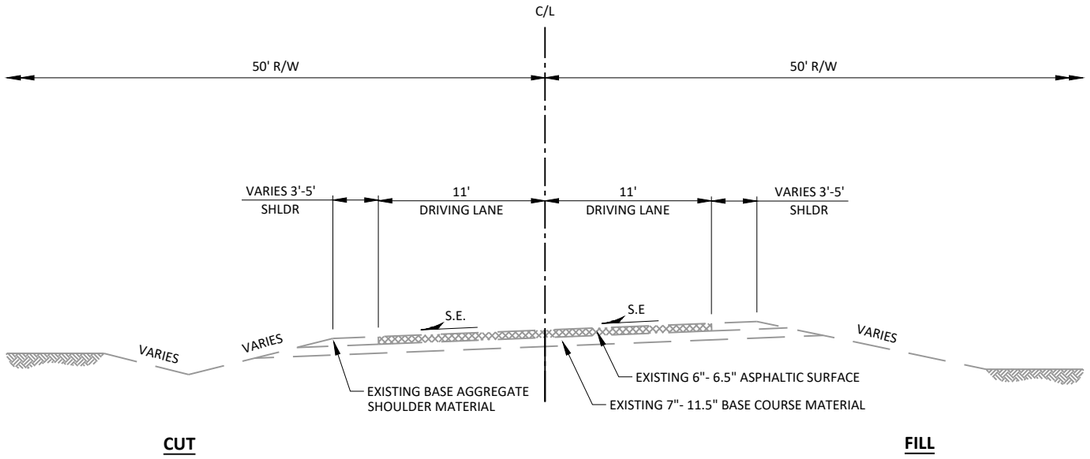
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PROJECT NO: 9660-01-74	HWY: CTH M	COUNTY: MENOMINEE	PROJECT OVERVIEW	SHEET 3	E

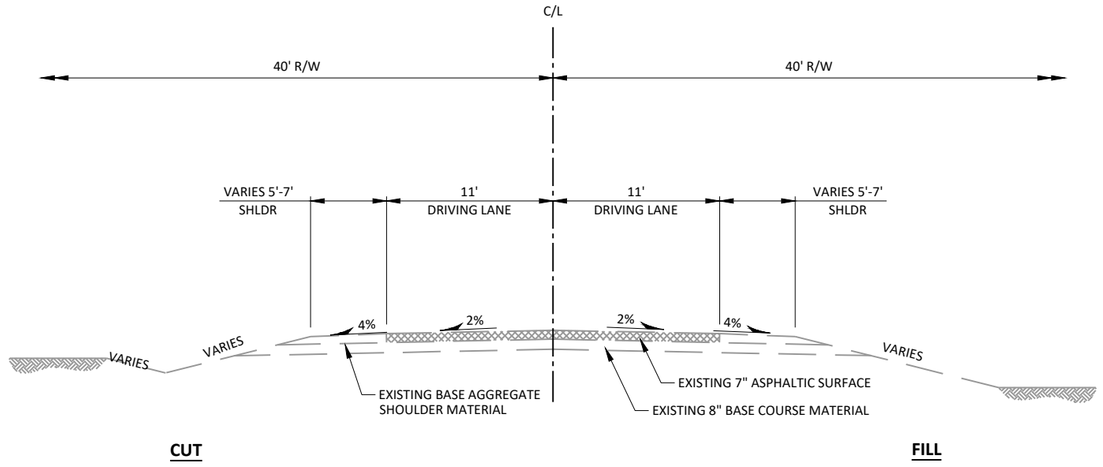
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2



TYPICAL EXISTING SUPERELEVATED SECTION

STH 55
STA. 12+50 - STA. 25+98

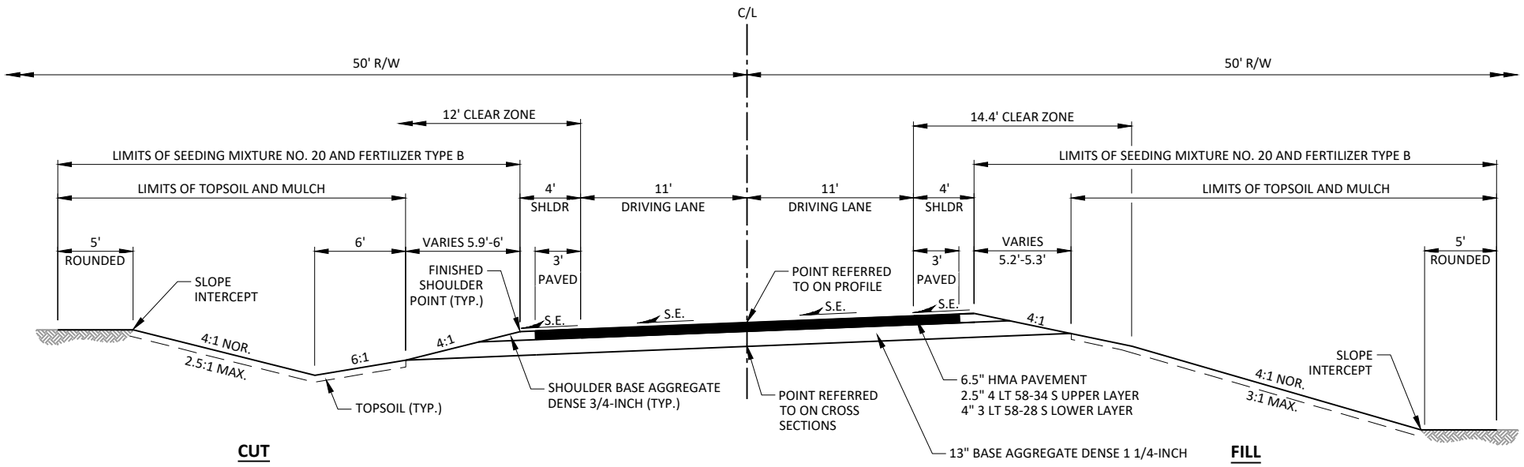


TYPICAL EXISTING SECTION

CTH M
STA. 18'A'+00 - STA. 21'A'+53

PROJECT NO: 9660-01-74	HWY: CTH M	COUNTY: MENOMINEE	EXISTING TYPICAL SECTIONS	SHEET 4	E

2

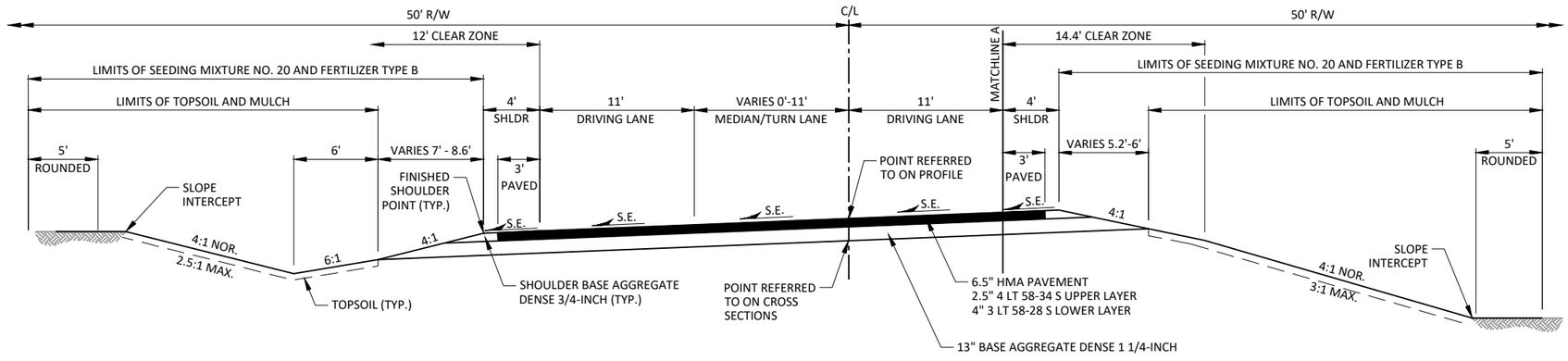


TYPICAL FINISHED RECONSTRUCTION SUPERELEVATED SECTION

STH 55
STA. 12+50 - STA. 12+90

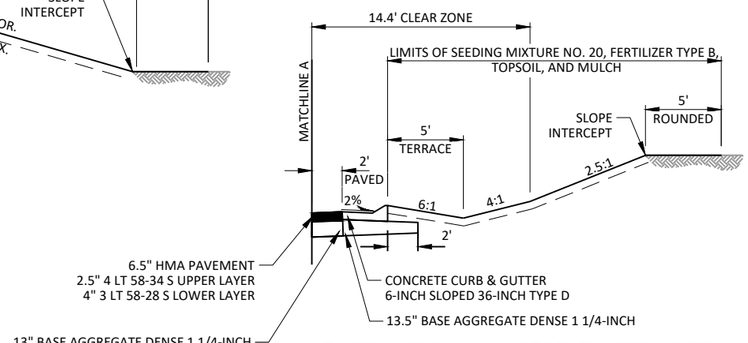
STH 55
CURVES 1 & 2

STATION	LEFT	RIGHT	COMMENT
12+50.00	5.80% <--	5.80% <--	MATCH EXISTING
12+55.13	6.00% <--	6.00% <--	BEGIN FULL SUPER
13+68.79	6.00% <--	6.00% <--	P.T. STATION - CURVE 1
14+80.35	6.00% <--	6.00% <--	P.C. STATION - CURVE 2
22+95.97	6.00% <--	6.00% <--	END FULL SUPER
23+43.96	4.00% <--	4.00% <--	P.T. STATION - CURVE 2
23+91.97	2.00% <--	2.00% <--	REVERSE CROWN
24+39.97	2.00% <--	0.00%	
24+87.97	2.00% <--	2.00% -->	BEGIN NORMAL CROWN - END SUPER



TYPICAL FINISHED MEDIAN AND TURN LANE SUPERELEVATED SECTION

STH 55
STA. 12+90 - STA. 24+88

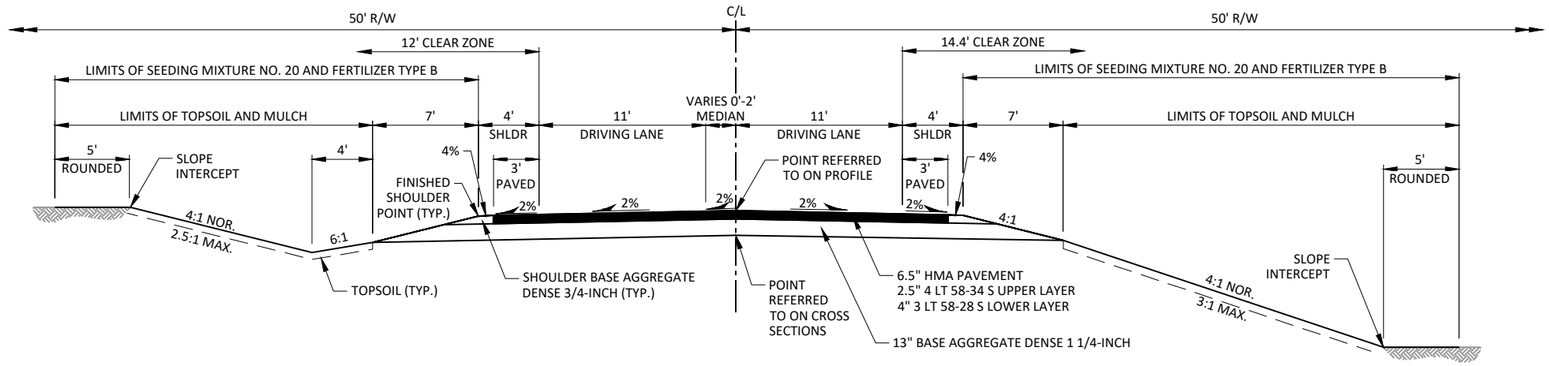


PARTIAL TYPICAL SUPERELEVATED SECTION

STH 55
STA. 13+25 - STA. 17+87, RT.
STA. 18+19 - STA. 18+83, RT.

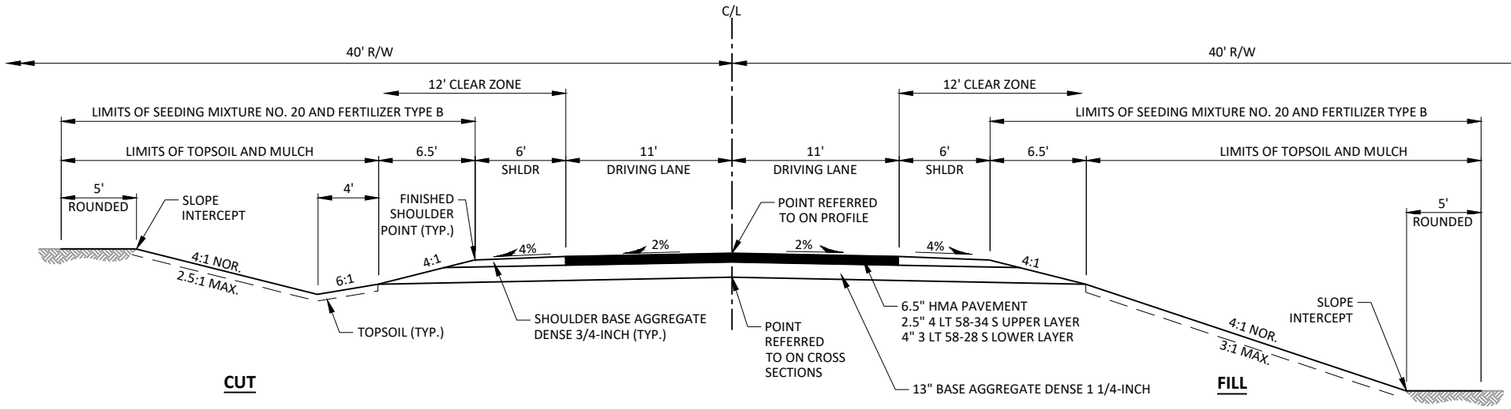
PROJECT NO: 9660-01-74	HWY: CTH M	COUNTY: MENOMINEE	PROPOSED TYPICAL SECTIONS	SHEET 5	E

FILE NAME : R:\PROJECTS\W11720 WISDOT - STH 55 & CTH M, MENOMINEE CO\SHEETSPLAN\TYPICALS\W11720_TYPICAL SECTIONS.DWG
PLOT DATE : 7/31/2026 2:03:30 PM
PLOT BY : WYATT FIRKUS
PLOT SCALE : 1 IN:10 FT
LAYOUT : 2.3 PROPOSED TYPICAL SECTIONS



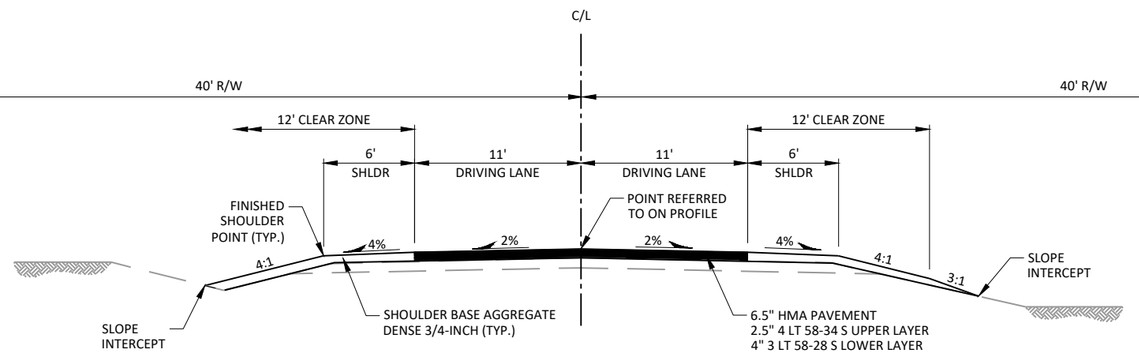
TYPICAL FINISHED PAVEMENT RECONSTRUCTION SECTION

STH 55
STA. 24+88 - STA. 25+98



TYPICAL FINISHED RECONSTRUCTION SECTION

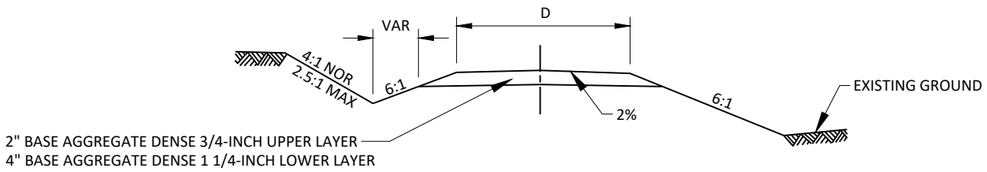
CTH M
STA. 18'A'+00 - STA. 20'A'+25



TYPICAL FINISHED PAVEMENT REPLACEMENT SECTION

CTH M
STA. 20'A'+25 - STA. 21'A'+53

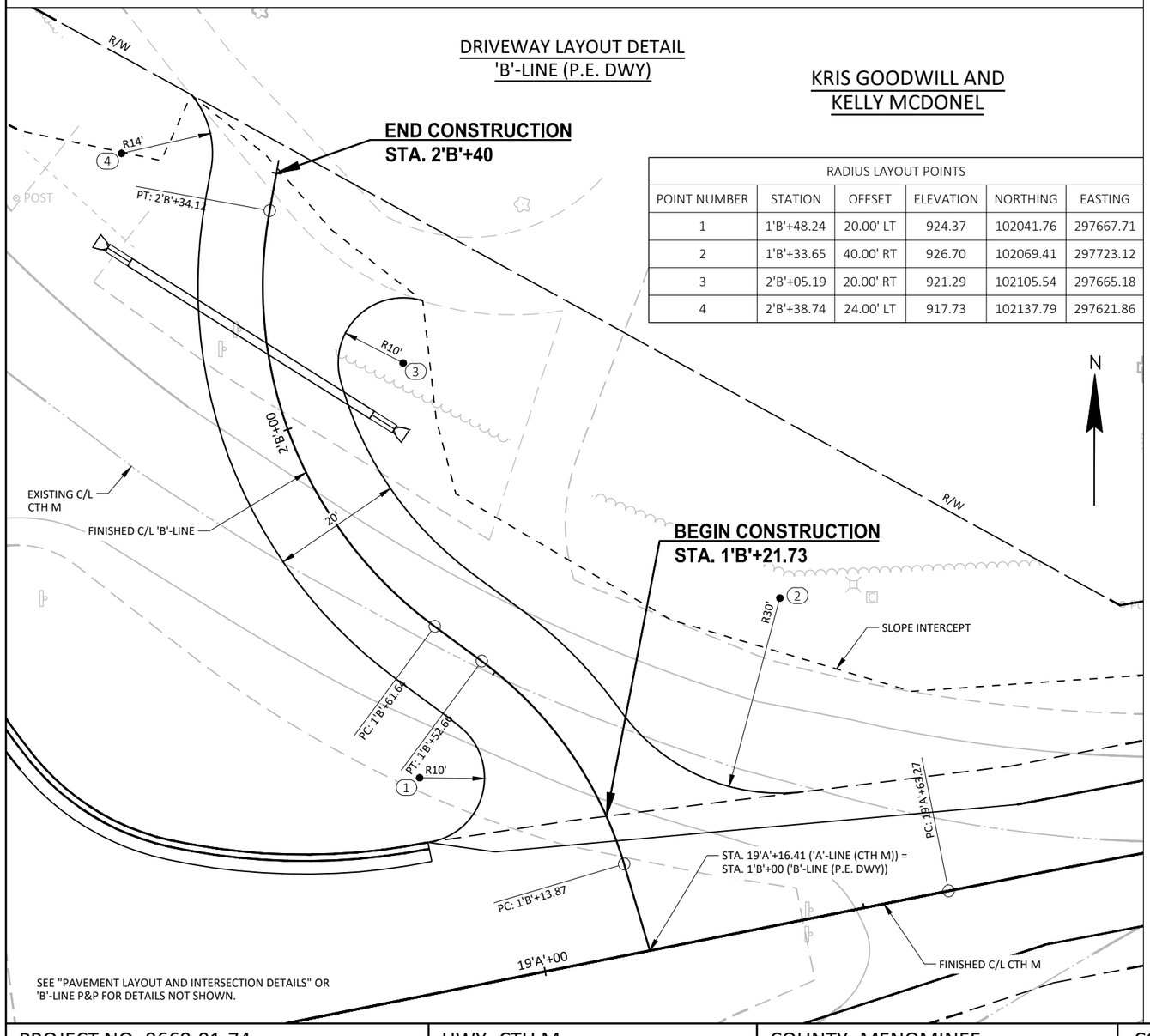
PROJECT NO: 9660-01-74	HWY: CTH M	COUNTY: MENOMINEE	PROPOSED TYPICAL SECTIONS	SHEET 6	E



TYPICAL CROSS SECTION

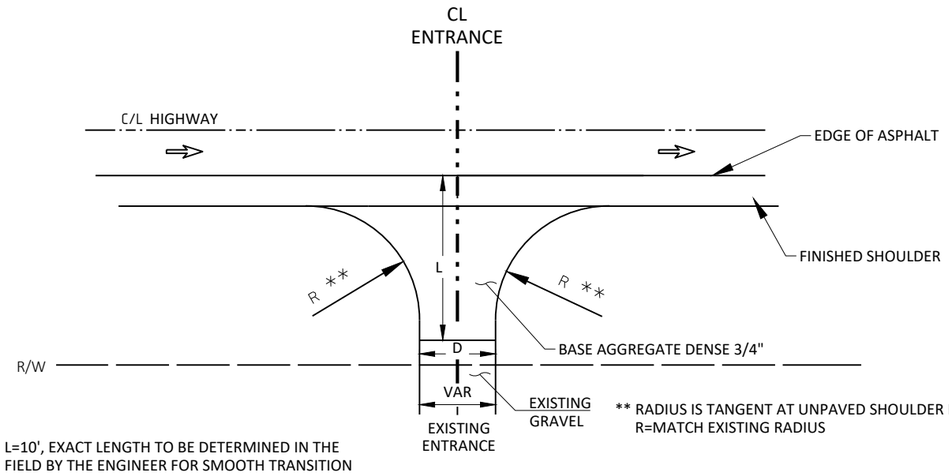
DRIVEWAY LAYOUT DETAIL
'B'-LINE (P.E. DWY)

KRIS GOODWILL AND KELLY MCDONEL



RADIUS LAYOUT POINTS					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1	1'B'+48.24	20.00' LT	924.37	102041.76	297667.71
2	1'B'+33.65	40.00' RT	926.70	102069.41	297723.12
3	2'B'+05.19	20.00' RT	921.29	102105.54	297665.18
4	2'B'+38.74	24.00' LT	917.73	102137.79	297621.86

SEE "PAVEMENT LAYOUT AND INTERSECTION DETAILS" OR
'B'-LINE P&P FOR DETAILS NOT SHOWN.



** RADIUS IS TANGENT AT UNPAVED SHOULDER EDGE
R=MATCH EXISTING RADIUS

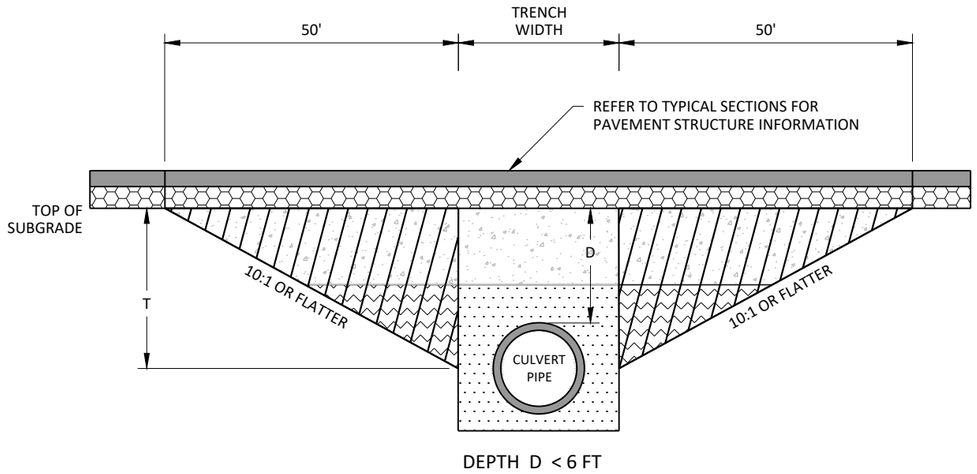
L=10', EXACT LENGTH TO BE DETERMINED IN THE FIELD BY THE ENGINEER FOR SMOOTH TRANSITION

D=DRIVEWAY WIDTH
D=MATCH EXISTING

PLAN VIEW

RURAL DRIVEWAY INTERSECTION (PE)
STA. 21'A'+28, RT.

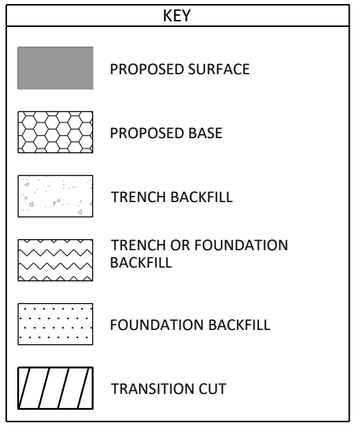
PROJECT NO: 9660-01-74	HWY: CTH M	COUNTY: MENOMINEE	CONSTRUCTION DETAILS	SHEET 7	E



DEPTH D < 6 FT

TRANSITION CUT DEPTH (T) = THE LESSER OF DEPTH TO CENTER OF PIPE OR 5 FT.
DO NOT EXTEND TRANSITION CUT BELOW HORIZONTAL CENTER OF PIPE.

CULVERT PIPE EXCAVATION

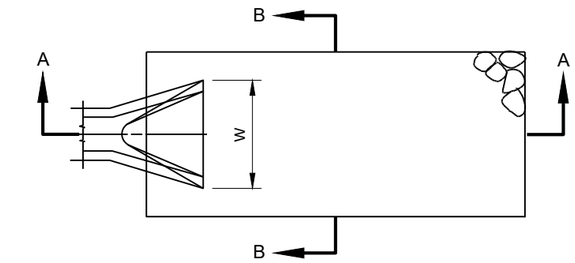


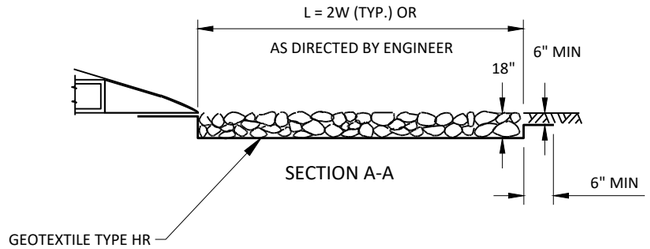
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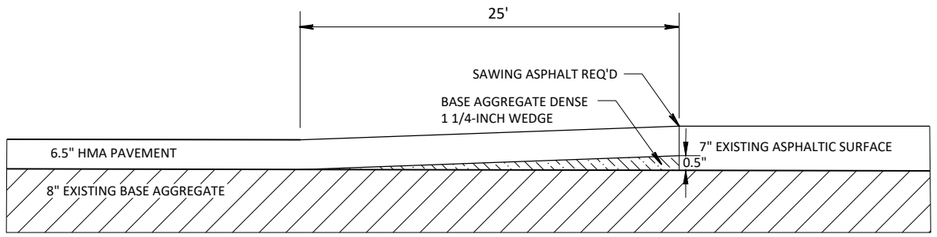
TRANSITION CUT IS PAID AS EXCAVATION COMMON.

TRANSITION CUT WIDTH IS FROM SUBGRADE SHOULDER POINT TO SUBGRADE SHOULDER POINT.

BACKFILL THE TRANSITION CUT AREAS WITH FOUNDATION AND TRENCH BACKFILL AS SPECIFIED IN STANDARD SPEC 520.



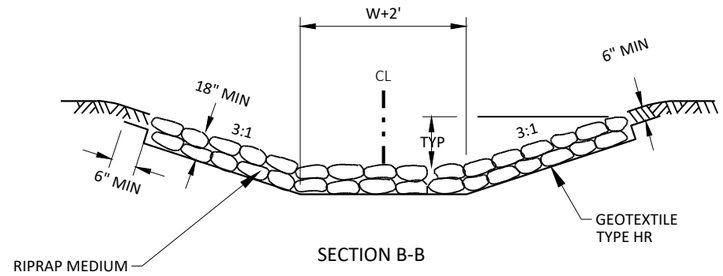




MAINLINE PROFILE TRANSITION DETAIL

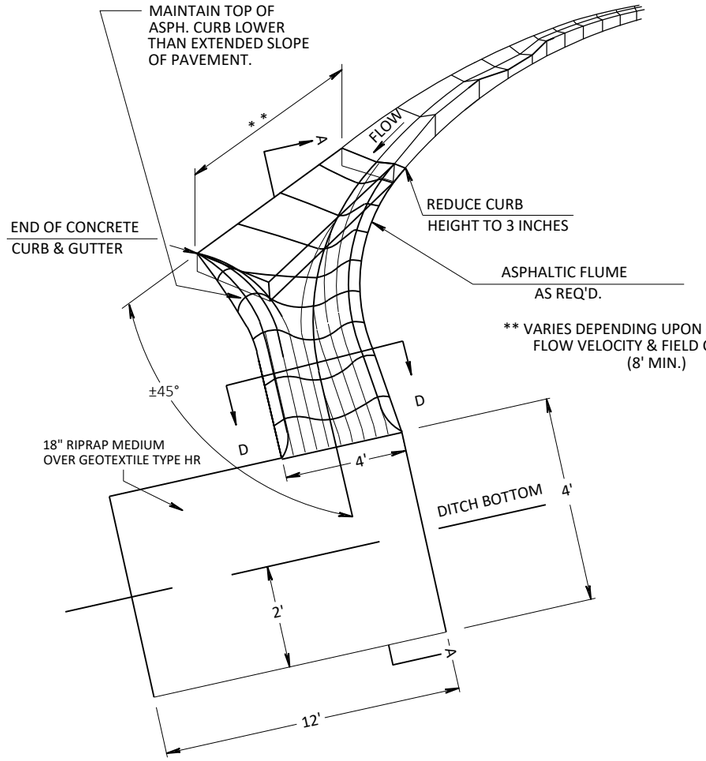
CTH M
STA. 21+28.00 - STA. 21+53.00

NOTE: PAVE HMA AT CONSISTENT DEPTH THROUGHOUT TRANSITION AREA. PREPARE FOUNDATION FOR ASPHALTIC PAVING, REQ'D. 0.5" WEDGE WILL BE CREATED BY GRADING EXISTING BASE COURSE MATERIAL AND ADDING ADDITIONAL BASE AGGREGATE DENSE 1 1/4-INCH AS NEEDED.

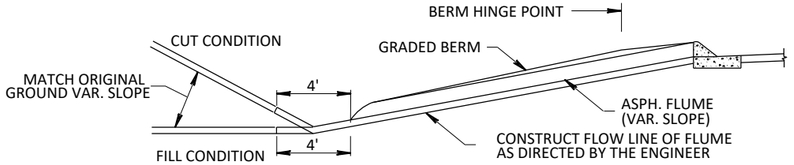


RIPRAP MEDIUM TREATMENT AT CULVERTS

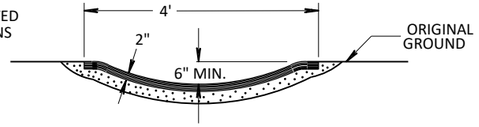
STA. 23+75, LT.



** VARIES DEPENDING UPON ANTICIPATED FLOW VELOCITY & FIELD CONDITIONS (8' MIN.)



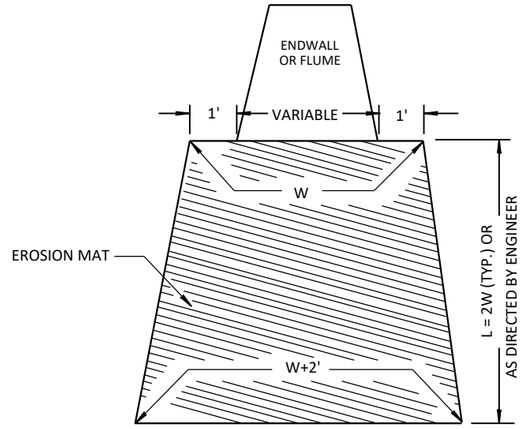
SECTION A-A



SECTION D-D

RIPRAP TREATMENT AT ASPHALTIC FLUMES

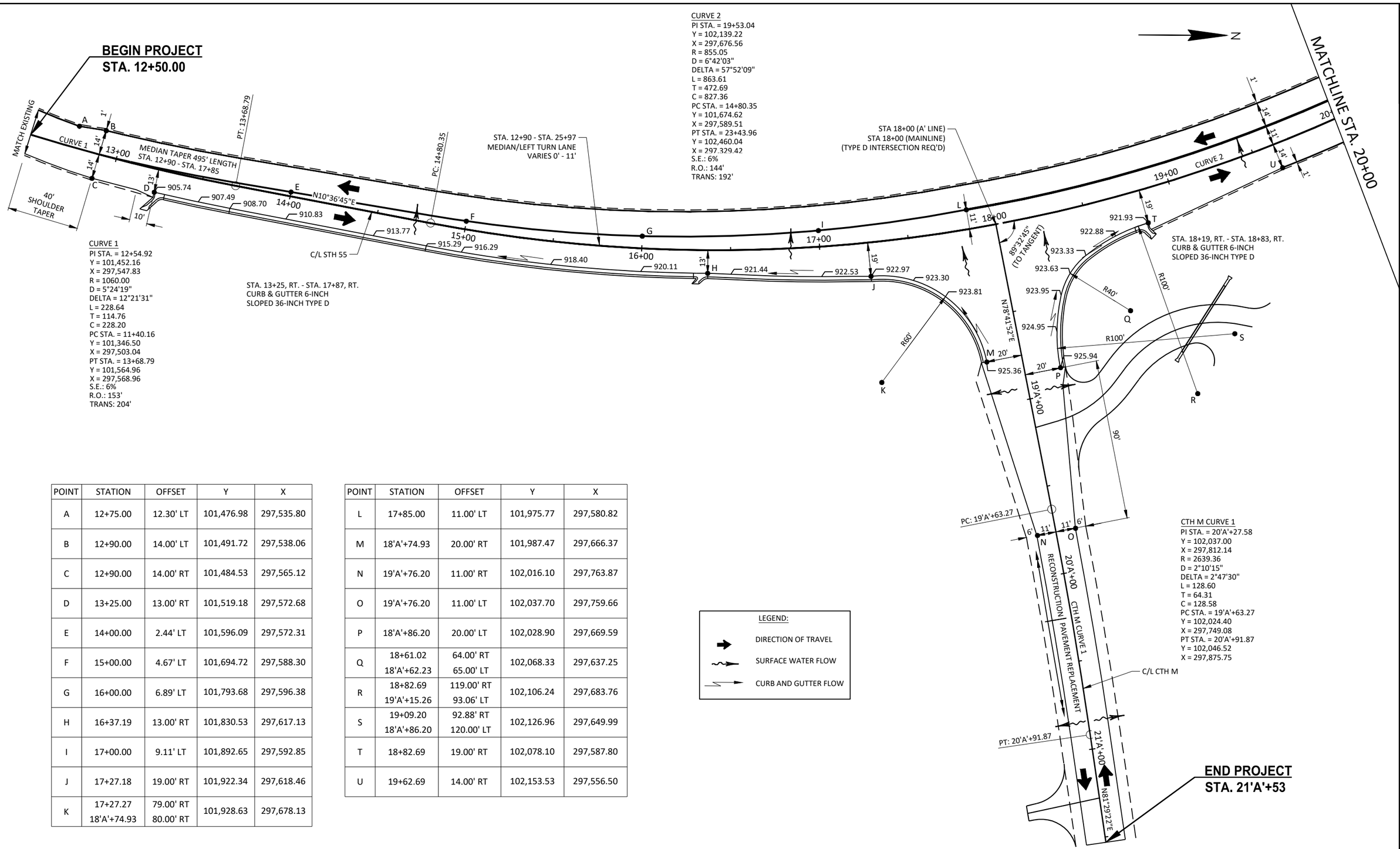
STA. 13+25, RT.
STA. 16+33, RT.



EROSION MAT TREATMENT AT CULVERTS & ASPHALTIC FLUMES

STA. 2'B'+13, LT.
STA. 18+75, RT.

2



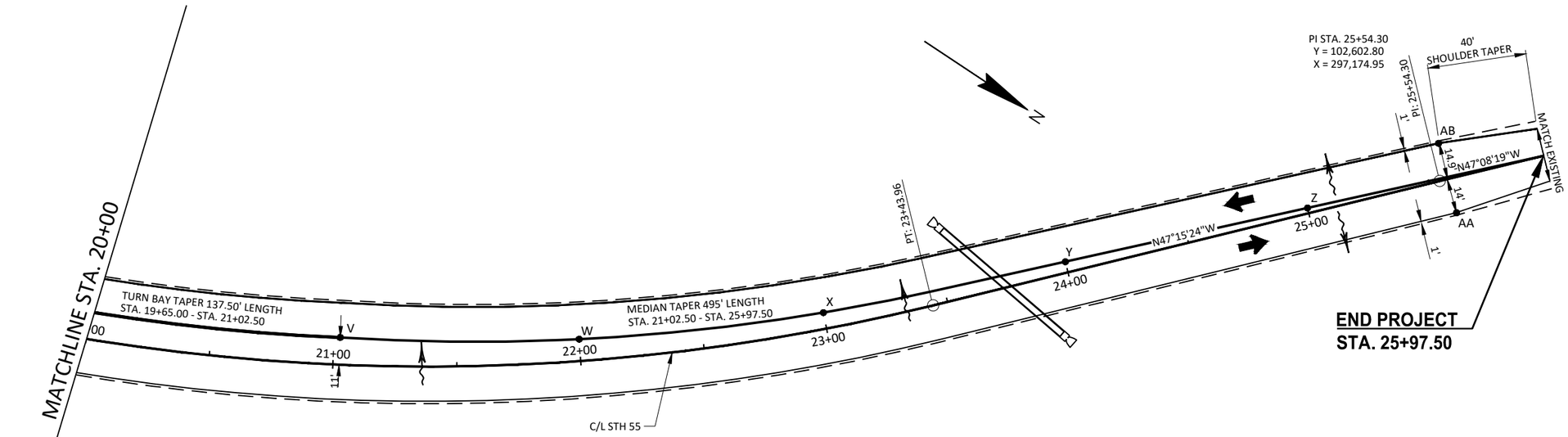
POINT	STATION	OFFSET	Y	X
A	12+75.00	12.30' LT	101,476.98	297,535.80
B	12+90.00	14.00' LT	101,491.72	297,538.06
C	12+90.00	14.00' RT	101,484.53	297,565.12
D	13+25.00	13.00' RT	101,519.18	297,572.68
E	14+00.00	2.44' LT	101,596.09	297,572.31
F	15+00.00	4.67' LT	101,694.72	297,588.30
G	16+00.00	6.89' LT	101,793.68	297,596.38
H	16+37.19	13.00' RT	101,830.53	297,617.13
I	17+00.00	9.11' LT	101,892.65	297,592.85
J	17+27.18	19.00' RT	101,922.34	297,618.46
K	17+27.27 18'A'+74.93	79.00' RT 80.00' RT	101,928.63	297,678.13

POINT	STATION	OFFSET	Y	X
L	17+85.00	11.00' LT	101,975.77	297,580.82
M	18'A'+74.93	20.00' RT	101,987.47	297,666.37
N	19'A'+76.20	11.00' RT	102,016.10	297,763.87
O	19'A'+76.20	11.00' LT	102,037.70	297,759.66
P	18'A'+86.20	20.00' LT	102,028.90	297,669.59
Q	18+61.02 18'A'+62.23	64.00' RT 65.00' LT	102,068.33	297,637.25
R	18+82.69 19'A'+15.26	119.00' RT 93.06' LT	102,106.24	297,683.76
S	19+09.20 18'A'+86.20	92.88' RT 120.00' LT	102,126.96	297,649.99
T	18+82.69	19.00' RT	102,078.10	297,587.80
U	19+62.69	14.00' RT	102,153.53	297,556.50

LEGEND:

- DIRECTION OF TRAVEL
- SURFACE WATER FLOW
- CURB AND GUTTER FLOW

2



LEGEND:

- DIRECTION OF TRAVEL
- SURFACE WATER FLOW
- CURB AND GUTTER FLOW

POINT	STATION	OFFSET	Y	X
V	21+02.50	11.00' LT	102,267.77	297,472.00
W	22+00.00	8.83' LT	102,348.52	297,419.44
X	23+00.00	6.61' LT	102,424.76	297,356.19
Y	24+00.00	4.39' LT	102,494.85	297,285.29
Z	25+00.00	2.17' LT	102,564.35	297,213.35
AA	25+57.50	14.00' RT	102,615.24	297,182.13
AB	25+57.50	14.89' LT	102,594.06	297,162.47

STA. 12+50 - 14+00, LT.
PLACE SILT FENCE AT THE SLOPE INTERCEPT TO AVOID ADDITIONAL WETLAND IMPACTS.

STA. 14+00 - 15+50, LT.
PLACE SILT FENCE AT THE TOE OF THE EXISTING SLOPE TO AVOID WETLAND IMPACTS.

STA. 15+50 - 25+98, LT.
PLACE SILT FENCE AT THE RIGHT OF WAY LIMITS.

N

MATCHLINE STA. 19+50

R/W

13+00

14+00

15+00

16+00

17+00

18+00

19+00

19'A'+00

20'A'+00

21'A'+00

C/L STH 55

C/L CTH M

BEGIN PROJECT
STA. 12+50.00

END PROJECT
STA. 21'A'+53

P.L.

P.L.

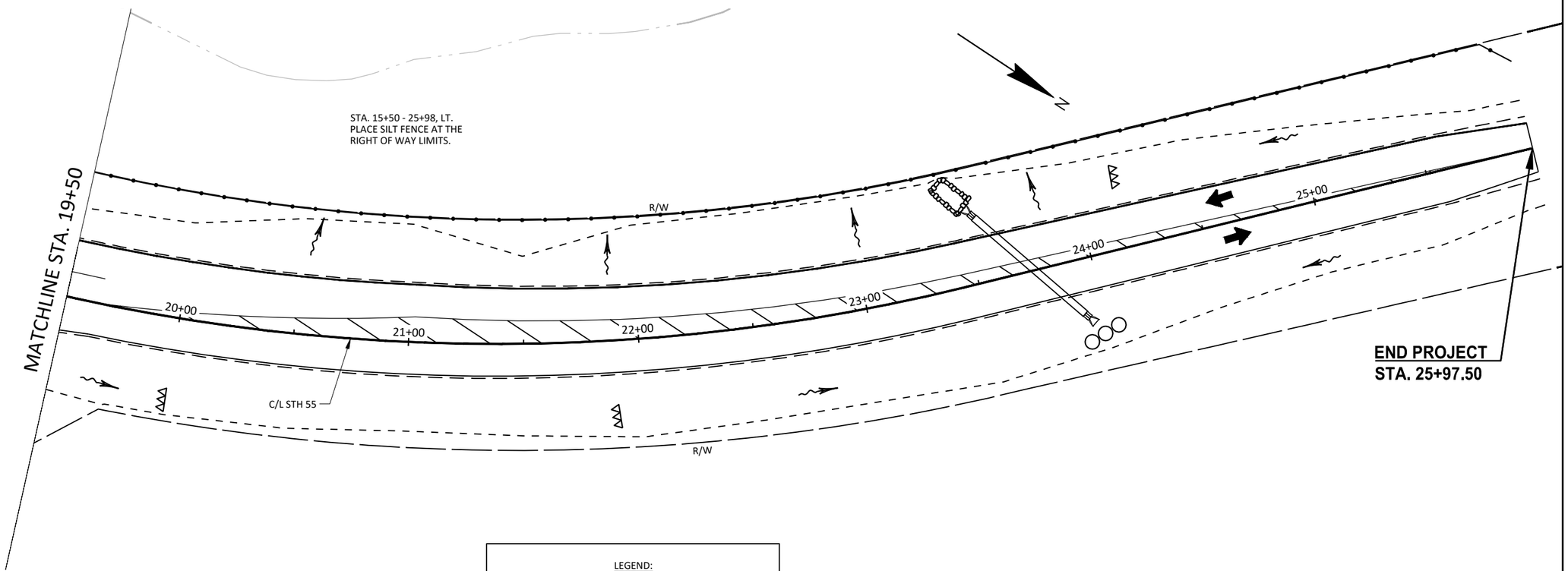
LEGEND:

- EROSION MAT URBAN CLASS I, TYPE B
- RIPRAP MEDIUM
- CULVERT PIPE CHECK
- TEMPORARY DITCH CHECK
- SILT FENCE
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- WETLAND BOUNDARY
- EXISTING WATER EDGE

PROJECT NO: 9660-01-74	HWY: CTH M	COUNTY: MENOMINEE	EROSION CONTROL	SHEET	E

FILE NAME : R:\PROJECTS\W11720 WISDOT - STH 55 & CTH M, MENOMINEE CO\SHEETSPLAN\DETAILS\W11720_EROSION CONTROL.DWG
PLOT DATE : 10/21/2026 10:38:28 AM
PLOT BY : HANNAH SCHUH
PLOT SCALE : 1 IN:50 FT
LAYOUT : 2.10 EROSION CONTROL

2



LEGEND:

- EROSION MAT URBAN CLASS I, TYPE B
- RIPRAP MEDIUM
- CULVERT PIPE CHECK
- TEMPORARY DITCH CHECK
- SILT FENCE
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- WETLAND BOUNDARY
- EXISTING WATER EDGE

PROJECT NO: 9660-01-74	HWY: CTH M	COUNTY: MENOMINEE	EROSION CONTROL	SHEET 13	E

2

BEGIN PROJECT
STA. 12+50.00

END PROJECT
STA. 25+97.50

N

SLOW VEHICLE TURNOUTS
REMOVE 2-2R

FIVE ISLANDS OF THE WOLF RIVER
SIGN TO REMAIN

SURING -->
2-1R

SLOW VEHICLE TURNOUTS NEXT 10 MILES
REMOVE 2-6R

SLOW VEHICLE TURNOUTS 1000 FT
REMOVE 2-18R

<-- SURING
2-19R

COUNTY M
REMOVE 2-20R

COUNTY M
REMOVE 2-3R

REMOVE 2-4R

REMOVE 2-5R

STOP
REMOVE 2-7R

55
REMOVE 2-8R

REMOVE 2-9R

STOP
REMOVE 2-10R

STOP
REMOVE 2-11R

COUNTY M
REMOVE 2-12R

STOP
REMOVE 2-13R

55 COUNTY M
REMOVE 2-14R

REMOVE 2-15R

REMOVE 2-16R

NORTH 55 COUNTY M
REMOVE 2-17R

13+00 14+00 15+00 16+00 17+00 18+00 19+00 20+00 21+00 22+00 23+00 24+00 25+00

19'A'+00 20'A'+00 21'A'+00

END PROJECT
STA. 21'A'+53

LEGEND

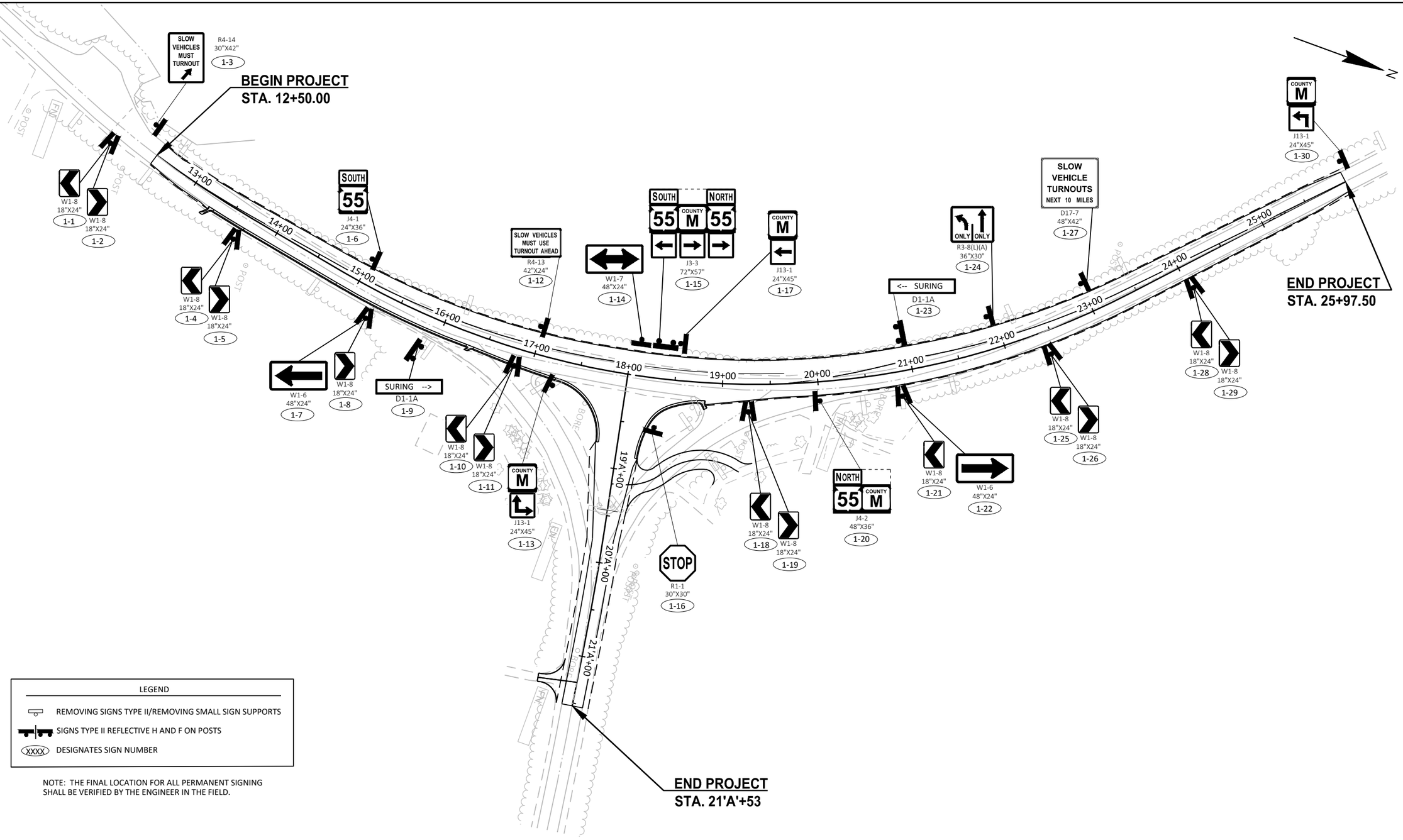
- REMOVING SIGNS TYPE II/REMOVING SMALL SIGN SUPPORTS
- SIGNS TYPE II REFLECTIVE H AND F ON POSTS
- XXXX DESIGNATES SIGN NUMBER

NOTE: THE FINAL LOCATION FOR ALL PERMANENT SIGNING SHALL BE VERIFIED BY THE ENGINEER IN THE FIELD.

PROJECT NO: 9660-01-74	HWY: CTH M	COUNTY: MENOMINEE	PERMANENT SIGNING - REMOVALS	SHEET	E

FILE NAME : R:\PROJECTS\W11720 WISDOT - STH 55 & CTH M, MENOMINEE CO\SHEETSPLAN\DETAILS\W11720_SIGNING AND MARKING.DWG
PLOT DATE : 8/4/2026 10:42:35 PM
PLOT BY : NICK PEHLER
PLOT SCALE : 1 IN:100 FT
LAYOUT : 2.12 SIGNING & PAVEMENT REMOVALS

2



LEGEND

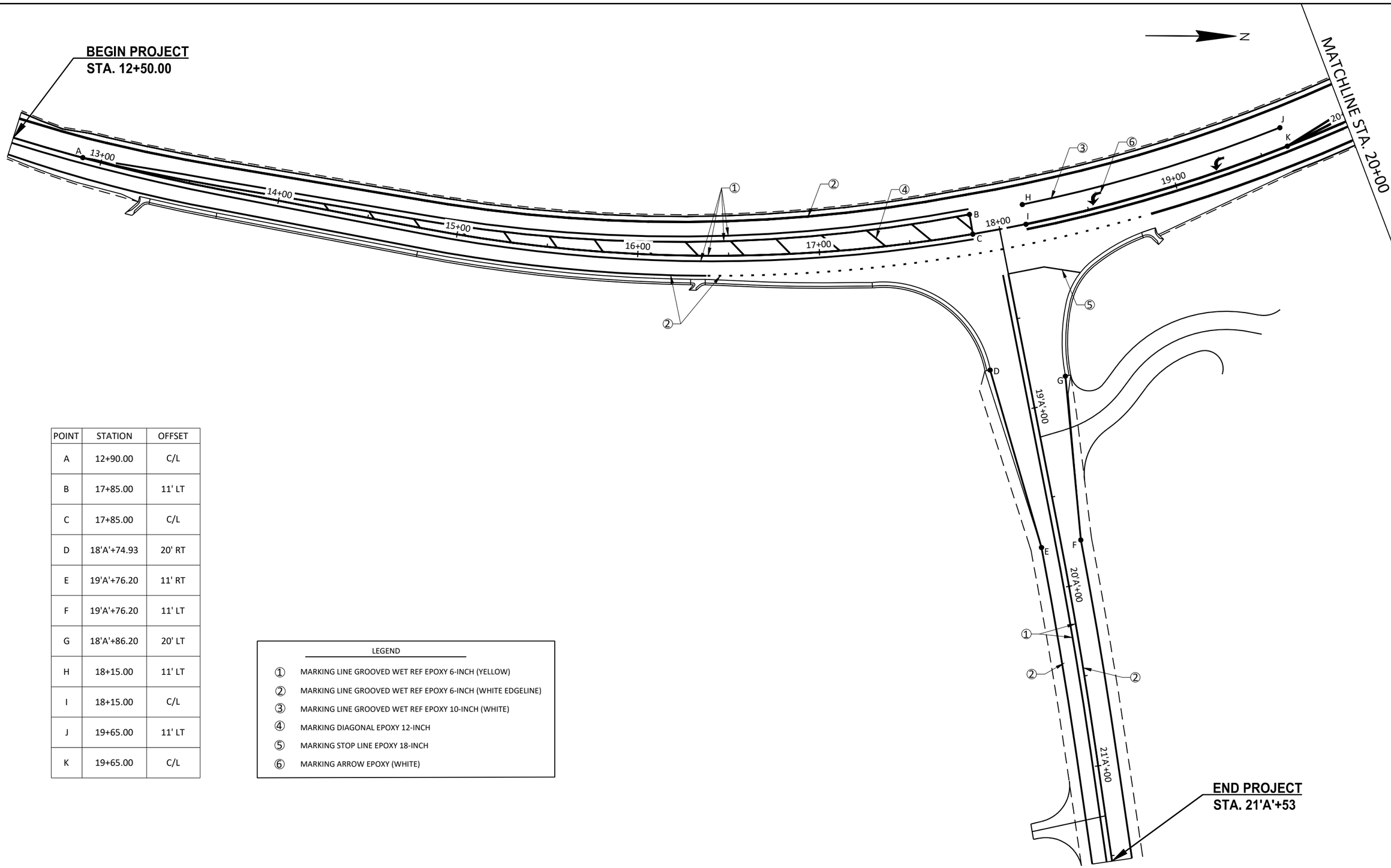
- REMOVING SIGNS TYPE II/REMOVING SMALL SIGN SUPPORTS
- SIGNS TYPE II REFLECTIVE H AND F ON POSTS
- XXXX DESIGNATES SIGN NUMBER

NOTE: THE FINAL LOCATION FOR ALL PERMANENT SIGNING SHALL BE VERIFIED BY THE ENGINEER IN THE FIELD.

PROJECT NO: 9660-01-74	HWY: CTH M	COUNTY: MENOMINEE	PERMANENT SIGNING - INSTALLS	SHEET	E

FILE NAME : R:\PROJECTS\W11720 WISDOT - STH 55 & CTH M, MENOMINEE CO\SHEETSPLAN\DETAILS\W11720_SIGNING AND MARKING.DWG PLOT DATE : 8/4/2026 10:38:41 PM PLOT BY : NICK PEHLER PLOT SCALE : 1 IN:100 FT LAYOUT : 2.13 SIGNING AND PAVEMENT INSTALLS

2



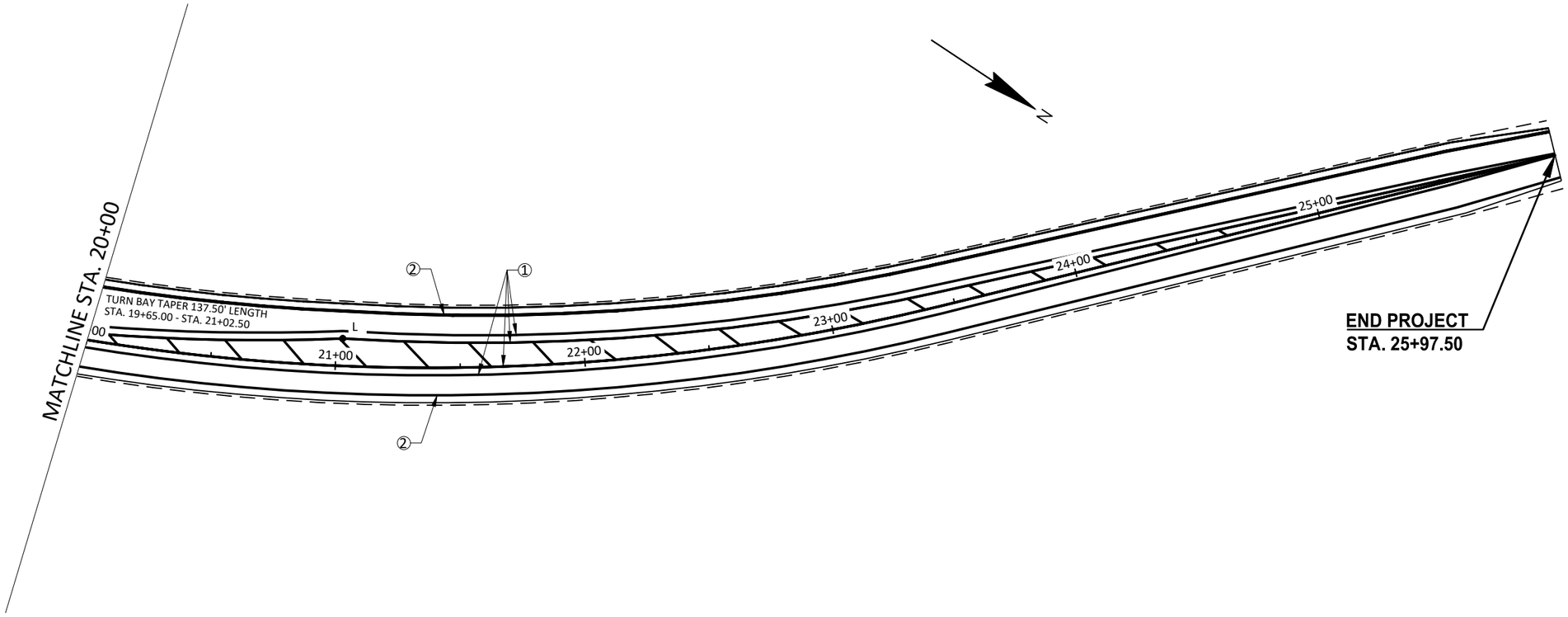
POINT	STATION	OFFSET
A	12+90.00	C/L
B	17+85.00	11' LT
C	17+85.00	C/L
D	18'A'+74.93	20' RT
E	19'A'+76.20	11' RT
F	19'A'+76.20	11' LT
G	18'A'+86.20	20' LT
H	18+15.00	11' LT
I	18+15.00	C/L
J	19+65.00	11' LT
K	19+65.00	C/L

LEGEND

① MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)
② MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE EDGELINE)
③ MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
④ MARKING DIAGONAL EPOXY 12-INCH
⑤ MARKING STOP LINE EPOXY 18-INCH
⑥ MARKING ARROW EPOXY (WHITE)

PROJECT NO: 9660-01-74	HWY: CTH M	COUNTY: MENOMINEE	PAVEMENT MARKING	SHEET 16	E

2



POINT	STATION	OFFSET
L	21+02.50	11' LT

LEGEND

① MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)

② MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE EDGELINE)

③ MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)

④ MARKING DIAGONAL EPOXY 12-INCH

⑤ MARKING STOP LINE EPOXY 18-INCH

⑥ MARKING ARROW EPOXY (WHITE)

PROJECT NO: 9660-01-74	HWY: CTH M	COUNTY: MENOMINEE	PAVEMENT MARKING	SHEET 17	E

GENERAL NOTES FOR TRAFFIC CONTROL

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES WILL 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 REMOVED AS DIRECTED BY THE ENGINEER.

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

ALL "W" AND "WO" SIGNS WILL BE 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.

ALL TRAFFIC CONTROL SIGNS WILL BE 48" X 48" UNLESS OTHERWISE NOTED.

ALL ROADS AND STREETS WITHIN THE WORK ZONES WILL BE KEPT ACCESSIBLE FOR EMERGENCY VEHICLES, RESIDENTS AND BUSINESSES.

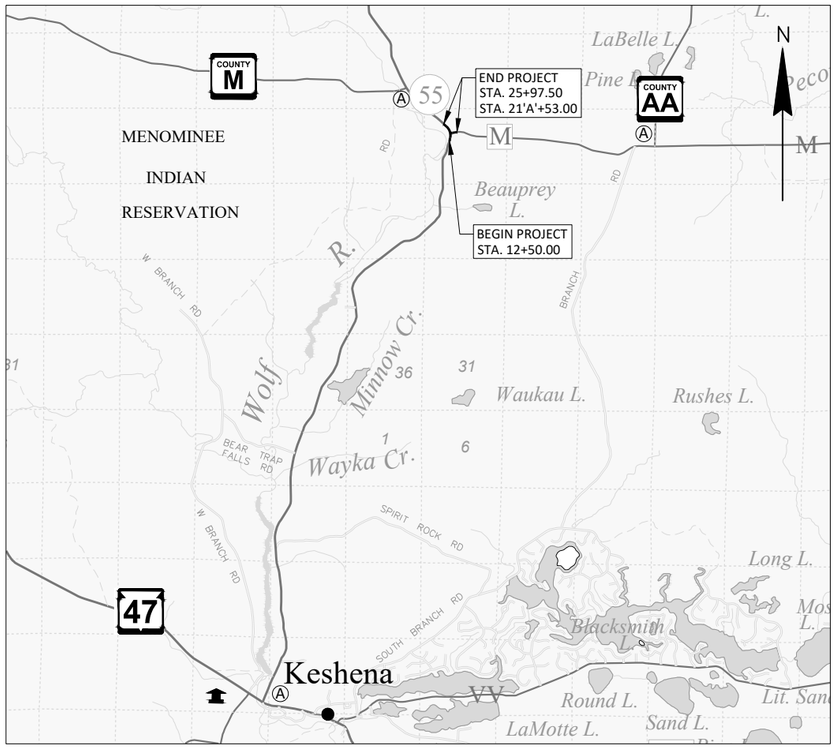
IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE AND MAINTAIN ACCESS TO ALL PROPERTY ABUTTING THE ROADWAY CONSTRUCTION WORK THROUGHOUT THE LIFE OF THE PROJECT.

THE SPACING BETWEEN SIGNS IS TO BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200' CLEARANCE TO EXISTING SIGNS.

DRAWINGS SHOW TRAFFIC CONTROL FOR A TYPICAL SITUATION. ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE REQUIRED AND/OR LAYOUT DETAILS MODIFIED DEPENDING ON CONTRACTOR'S METHODS OR SEQUENCES OF OPERATION.

ROAD MACHINERY, FLAGGERS AHEAD, ETC. SIGNS ARE TO BE USED AS NEEDED AND WILL BE REMOVED OR COVERED AT NIGHTS, ON WEEKENDS OR WHEN THE ACTIVITY IS NOT OCCURRING.

ADDITIONAL DRUMS OR TYPE III BARRICADES MAY BE REQUIRED ADJACENT TO DROP-OFFS, OPEN TRENCHES, OR PROTRUSIONS. COST TO BE INCLUDED WITH OPERATION WHICH CREATES THE HAZARD.



LEGEND

HWY 55/CTH M
ROAD WORK
BEGINS XXX-XX
Ⓐ

G20-57
72"X36"

PLACE 7 DAYS PRIOR TO CONSTRUCTION AND REMOVE WHEN CONSTRUCTION BEGINS.

XXX-XX IS THE MONTH AND DAY OF CONSTRUCTION START

STAGE 1A CONSTRUCTION

TRAFFIC

1. TRAFFIC IN NORMAL PATTERN ON EXISTING STH 55 AND CTH M.

2. TEMPORARY LANE CLOSURES DURING DAYTIME OPERATIONS ONLY WILL BE ALLOWED FOR PAVING TEMPORARY ASPHALT ON STH 55 NORTHBOUND SHOULDER AND CULVERT INSTALLATION.

3. SEE STANDARD DETAIL DRAWING "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED HIGHWAY".

CONSTRUCTION

1. PAVE STH 55 NORTHBOUND SHOULDER FROM STA. 12+00 - STA. 14+20 AND STA. 22+29 - STA. 26+15.

2. INSTALL LEFT SIDE OF CULVERT PIPE AT STA. 23+75.

NOTE: ALLOW PERTINENT DIRECTION SIGNS TO REMAIN FOR STAGE 1. REMOVE ALL OTHER SIGNS AFTER TRAFFIC STAGING TRAFFIC CONTROL MEASURES ARE IN PLACE.

STAGE 1B CONSTRUCTION

TRAFFIC

1. TRAFFIC IN TWO-WAY ONE-LANE PATTERN ON EXISTING STH 55 NORTHBOUD LANE AND TRAFFIC IN TWO-WAY TWO-LANE PATTERN ON EXISTING CTH M BY USE OF TEMPORARY SIGNALS AND RDTS DEVICES.

CONSTRUCTION

1. CONSTRUCT STH 55 SOUTHBOUND LANE AND PARTIAL MEDIAN.

NOTE: PRIOR TO COMPLETION OF STAGE 1 AND SWITCHING TRAFFIC TO STAGE 2, ALL TRAFFIC CONTROL DEVICES AND TEMPORARY PAVEMENT MARKING MUST BE IN PLACE.

STAGE 2 CONSTRUCTION

TRAFFIC

1. TRAFFIC IN TWO-WAY ONE-LANE PATTERN ON CONSTRUCTED STH 55 SOUTHBOUND LANE AND TRAFFIC IN TWO-WAY TWO-LANE PATTERN ON EXISTING CTH M BY USE OF TEMPORARY SIGNALS AND RDTS DEVICES.

CONSTRUCTION

1. CONSTRUCT STH 55 AND CTH M INTERSECTION.

PRIOR TO COMPLETION OF STAGE 2 AND SWITCHING TRAFFIC TO STAGE 3, ALL TRAFFIC CONTROL DEVICES AND TEMPORARY PAVEMENT MARKING MUST BE IN PLACE.

STAGE 3 CONSTRUCTION

TRAFFIC

1. TRAFFIC IN TWO-WAY ONE-LANE PATTERN ON CONSTRUCTED STH 55 SOUTHBOUND LANE AND TRAFFIC IN TWO-WAY TWO-LANE PATTERN ON EXISTING CTH M BY USE OF TEMPORARY SIGNALS AND RDTS DEVICES.

2. TEMPORARY LANE CLOSURES DURING DAYTIME OPERATIONS ONLY WILL BE ALLOWED FOR CTH M CONSTRUCTION OPERATIONS.

CONSTRUCTION

1. CONSTRUCT REMAINDER OF STH 55 AND REMAINDER OF CTH M. CONSTRUCT REMAINDER OF STH 55 CULVERT PIPE AT STA. 23+75. CONSTRUCT CTH M STA. 19'A'+75 - 21'A'+53 ONE LANE AT A TIME USING DRUMS TO DIRECT TRAFFIC AROUND THE WORK AREA, OR USE FLAGGING OPERATIONS. KEEP ONE LANE WITH A HARD SURFACE CONSISTING OF BASE AGGREGATE OR ASPHALT OPEN AT ALL TIMES.

2. PAVE HMA SURFACE LAYER UTILIZING TEMPORARY LANE CLOSURES WITH FLAGGING OPERATIONS.

3. PLACE ALL EROSION CONTROL DEVICES, FINISHING ITEMS, PAVEMENT MARKING, AND PERMANENT SIGNING ITEMS.

4. SWITCH TRAFFIC TO FINISHED DRIVING PATTERN.

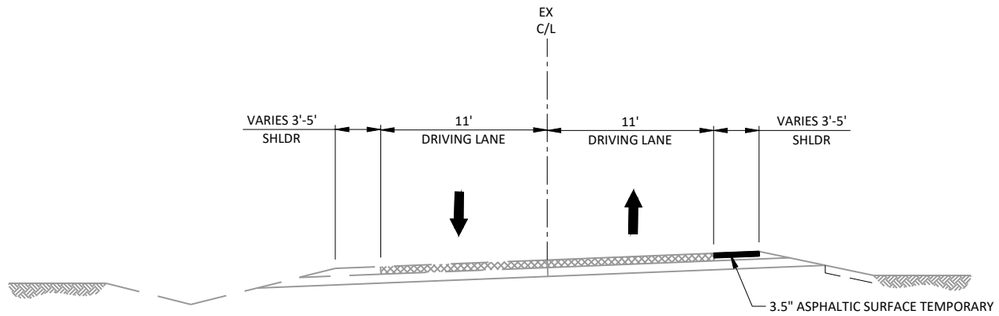
TEMPORARY TRAFFIC SIGNAL TIMING

	Ø1 NB CTH M	Ø2 SB CTH M	Ø3 WB CTH M
MINIMUM GREEN TIME	9 sec	9 sec	5 sec
MAXIMUM PASSAGE TIME DURING GREEN PHASE	5 sec	5 sec	5 sec
MINIMUM PASSAGE TIME DURING GREEN PHASE	3 sec	3 sec	-
START OF REDUCTION OF PASSAGE FROM MAX. TO MIN. DURING GREEN PHASE	15 sec	15 sec	-
TIME TO REDUCE PASSAGE FROM MAX. TO MIN. DURING GREEN PHASE	0 sec	0 sec	-
MAXIMUM GREEN TIME	25 sec	25 sec	7 sec
YELLOW	5 sec	5 sec	5 sec
ALL-RED	39 sec	30 sec	36 sec
RECALL MODE	MIN	MIN	MIN

REVIEW SIGNALS AFTER PROGRAMMING TO ASSURE THERE ARE NOT CONFLICTING MOVEMENTS.

IF THERE ARE QUESTIONS REGARDING THE TIMINGS PLEASE CONTACT TRAFFIC ENGINEER.

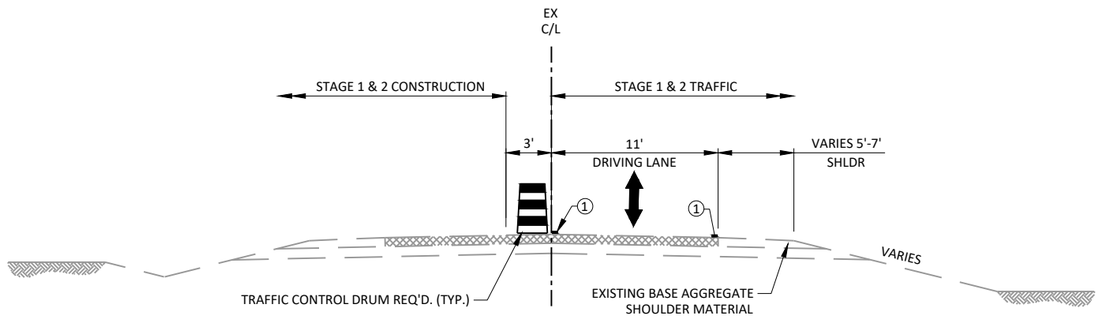
2



STAGE 1A TYPICAL SECTION - ASPHALTIC SURFACE TEMPORARY

STH 55
STA. 12+00 - STA. 14+20
STA. 22+29 - STA. 26+15

① TEMPORARY MARKING LINE PAINT 6-INCH, WHITE



STAGE 1 & 2 TYPICAL SECTION

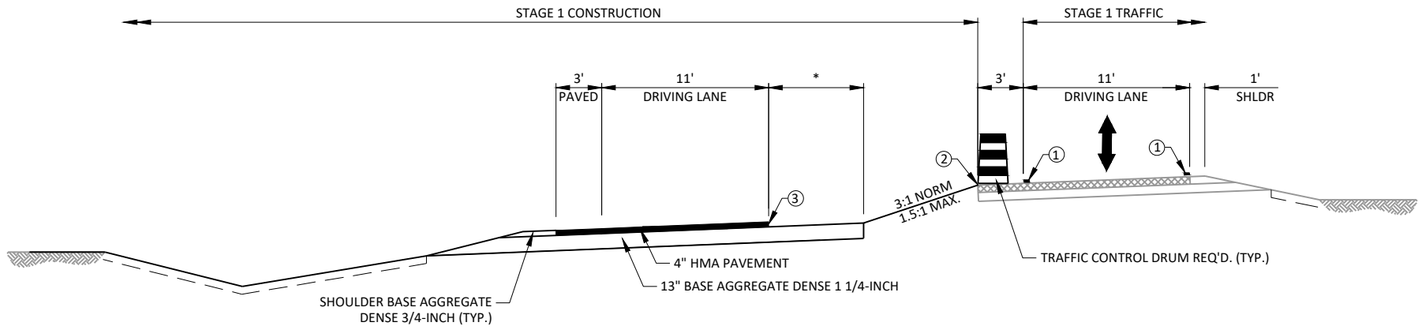
CTH M
STA. 18'A'+00 - STA. 20'A'+25

① TEMPORARY MARKING LINE PAINT 6-INCH, WHITE

PROJECT NO: 9660-01-74	HWY: CTH M	COUNTY: MENOMINEE	TRAFFIC CONTROL STAGE 1	SHEET	E

FILE NAME : R:\PROJECTS\W11720 WISDOT - STH 55 & CTH M, MENOMINEE CO\SHEETSPLAN\DETAILS\W11720_TRAFFIC STAGING STAGE 1.DWG
PLOT DATE : 8/4/2026 7:35:54 PM
PLOT BY : NICK PEHLER
PLOT SCALE : 1 IN:10 FT
LAYOUT : 2.17 STAGE 1

2



STAGE 1B TYPICAL SECTION - CUT SECTION

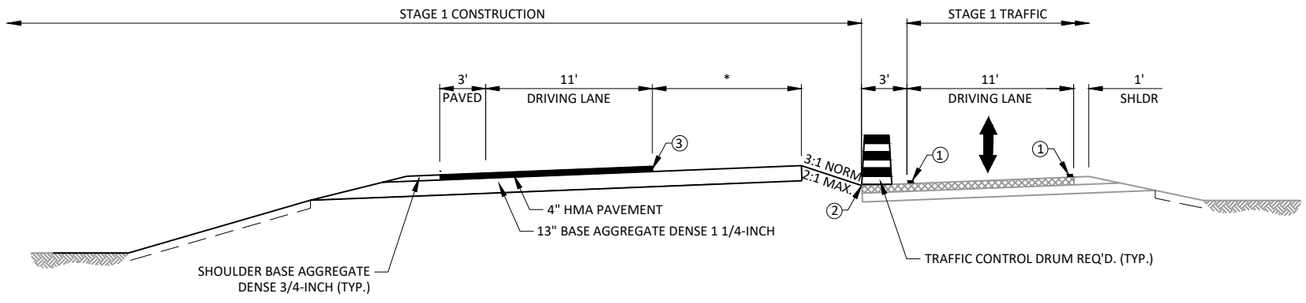
STH 55
STA. 14+50 - STA. 17+00

① TEMPORARY MARKING LINE PAINT 6-INCH, WHITE

② SAWING ASPHALT REQ'D.

③ PAVEMENT NOTCHED WEDGE JOINT REQ'D.
(SEE SDD HMA LONGITUDINAL JOINTS)

*PAVE MEDIAN/TURN LANE AT FULL WIDTH DURING STAGE 2 AND 3 TO AVOID LONGITUDINAL JOINTS IN THE MIDDLE OF THE MEDIAN / TURN LANE.



STAGE 1B TYPICAL SECTION - FILL SECTION

STH 55
STA. 14+20 - STA. 14+50
STA. 17+00 - STA. 22+29

① TEMPORARY MARKING LINE PAINT 6-INCH, WHITE

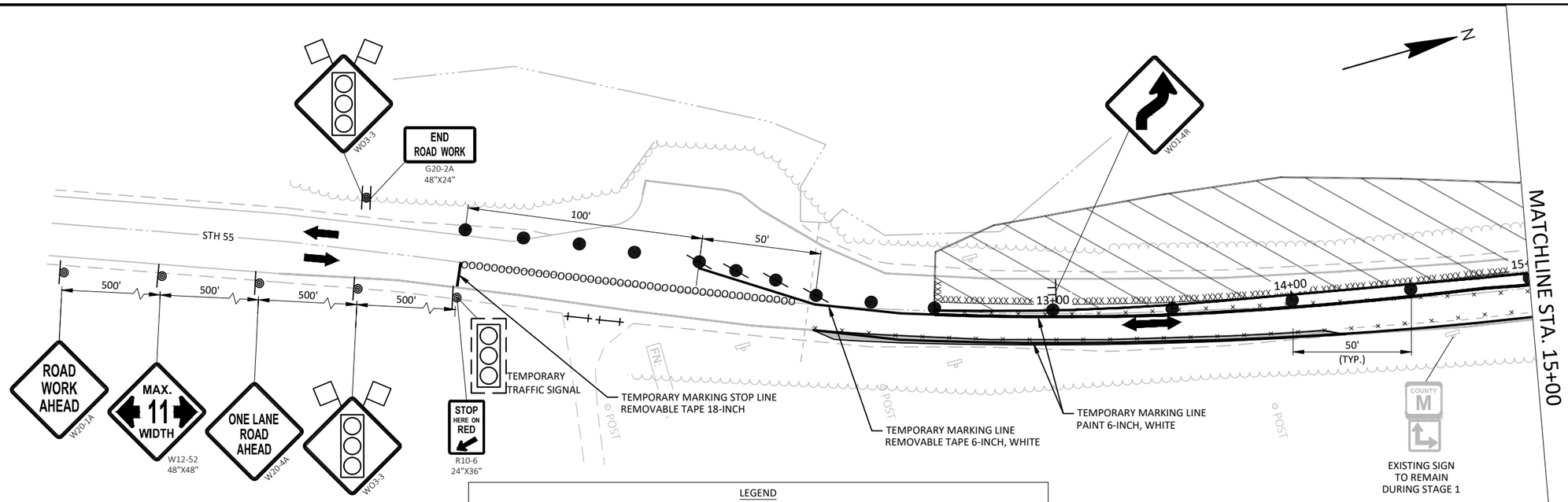
② SAWING ASPHALT REQ'D.

③ PAVEMENT NOTCHED WEDGE JOINT REQ'D.
(SEE SDD HMA LONGITUDINAL JOINTS)

*PAVE MEDIAN/TURN LANE AT FULL WIDTH DURING STAGE 2 AND 3 TO AVOID LONGITUDINAL JOINTS IN THE MIDDLE OF THE MEDIAN / TURN LANE.

PROJECT NO: 9660-01-74	HWY: CTH M	COUNTY: MENOMINEE	TRAFFIC CONTROL STAGE 1	SHEET	E

FILE NAME : R:\PROJECTS\W11720 WISDOT - STH 55 & CTH M, MENOMINEE CO\SHEETSPLAN\DETAILS\W11720_TRAFFIC STAGING STAGE 1.DWG
PLOT DATE : 8/4/2026 7:40:54 PM
PLOT BY : NICK PEHLER
PLOT SCALE : 1 IN:10 FT
LAYOUT : 2.18 STAGE 1

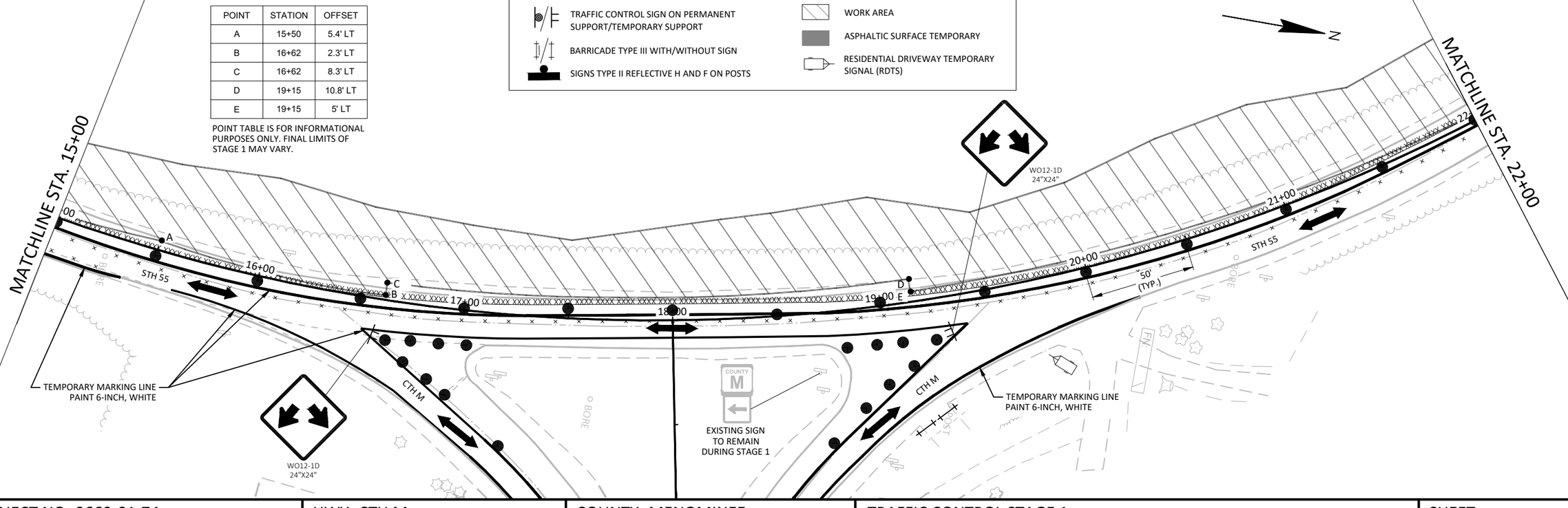


LEGEND

- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT/TEMPORARY SUPPORT
- BARRICADE TYPE III WITH/WITHOUT SIGN
- SIGNS TYPE II REFLECTIVE H AND F ON POSTS
- XXXX XXXX SAWING ASPHALT
- PAVEMENT MARKING REMOVAL
- OOOOO TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- RESIDENTIAL DRIVEWAY TEMPORARY SIGNAL (RDTS)

POINT	STATION	OFFSET
A	15+50	5.4' LT
B	16+62	2.3' LT
C	16+62	8.3' LT
D	19+15	10.8' LT
E	19+15	5' LT

POINT TABLE IS FOR INFORMATIONAL PURPOSES ONLY. FINAL LIMITS OF STAGE 1 MAY VARY.



PROJECT NO: 9660-01-74	HWY: CTH M	COUNTY: MENOMINEE	TRAFFIC CONTROL STAGE 1	SHEET	E

FILE NAME : R:\PROJECTS\W11720 WISDOT - STH 55 & CTH M, MENOMINEE CO\SHEETSPLAN\DETAILS\W11720_TRAFFIC STAGING STAGE 1.DWG
PLOT DATE : 8/4/2026 6:55:03 PM
PLOT BY : HANNAH SCHUH
PLOT SCALE : 1 IN:50 FT
LAYOUT : 2.19 STAGE 1

2

MATCHLINE STA. 22+00

23+00

24+00

25+00

STH 55

50'
(TYP.)

TEMPORARY MARKING LINE
PAINT 6-INCH, WHITE

TEMPORARY MARKING LINE
REMOVABLE TAPE 6-INCH, WHITE

WO1-6
48"X24"

50'

100'

TEMPORARY
TRAFFIC SIGNAL

STOP
HERE ON
RED
R10-6
24"X36"

TEMPORARY MARKING STOP LINE
REMOVABLE TAPE 18-INCH

WO3-3

ONE LANE
ROAD
AHEAD
W20-4A

MAX.
11
WIDTH
W12-52
48"X48"

ROAD
WORK
AHEAD
W20-1A

500'

500'

500'

500'

STH 55

END
ROAD WORK
G20-2A
48"X24"

WO3-3

N

LEGEND

- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT/TEMPORARY SUPPORT
- BARRICADE TYPE III WITH/WITHOUT SIGN
- SIGNS TYPE II REFLECTIVE H AND F ON POSTS
- XXXX XXXX SAWING ASPHALT
- PAVEMENT MARKING REMOVAL
- OOOOO TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- RESIDENTIAL DRIVEWAY TEMPORARY SIGNAL (RDTS)

CTH M

TEMPORARY MARKING LINE
PAINT 6-INCH, WHITE

WO12-1D
24"X24"

SOUTH
55
COUNTY
M
NORTH
55
J3-3
72"X57"

TEMPORARY MARKING LINE
PAINT 6-INCH, WHITE

19'A'+00

20'A'+00

21'A'+00

50'
(TYP.)

TEMPORARY MARKING LINE
PAINT 6-INCH, WHITE

CTH M

CTH M

TEMPORARY
TRAFFIC SIGNAL

STOP
HERE ON
RED
R10-6
24"X36"

TEMPORARY MARKING STOP LINE
REMOVABLE TAPE 18-INCH

WO3-3

ONE LANE
ROAD
AHEAD
W20-4A

MAX.
11
WIDTH
W12-52
48"X48"

ROAD
WORK
AHEAD
W20-1A

500'

500'

500'

500'

END
ROAD WORK
G20-2A
48"X24"

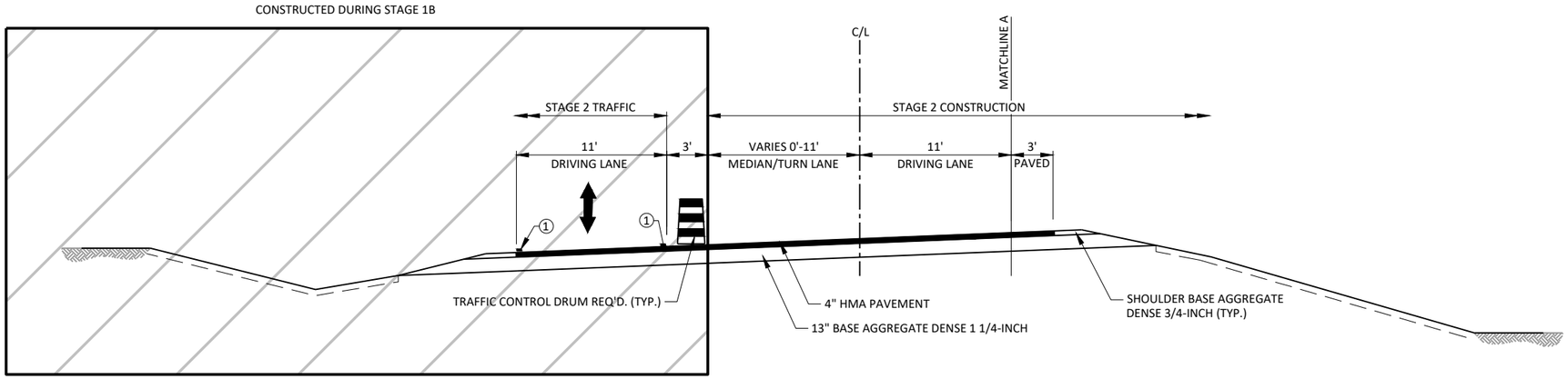
WO3-3

N

PROJECT NO: 9660-01-74	HWY: CTH M	COUNTY: MENOMINEE	TRAFFIC CONTROL STAGE 1	SHEET 22	E

FILE NAME : R:\PROJECTS\W11720 WISDOT - STH 55 & CTH M, MENOMINEE CO\SHEETSPLAN\DETAILS\W11720_TRAFFIC STAGING STAGE 1.DWG
PLOT DATE : 8/4/2026 6:55:04 PM
PLOT BY : HANNAH SCHUH
PLOT SCALE : 1 IN:50 FT
LAYOUT : 2.20 STAGE 1

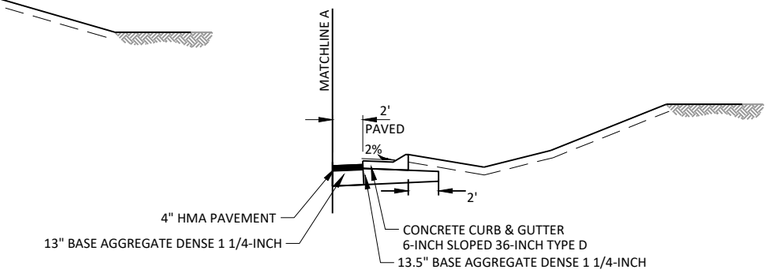
2



STAGE 2 TYPICAL SECTION

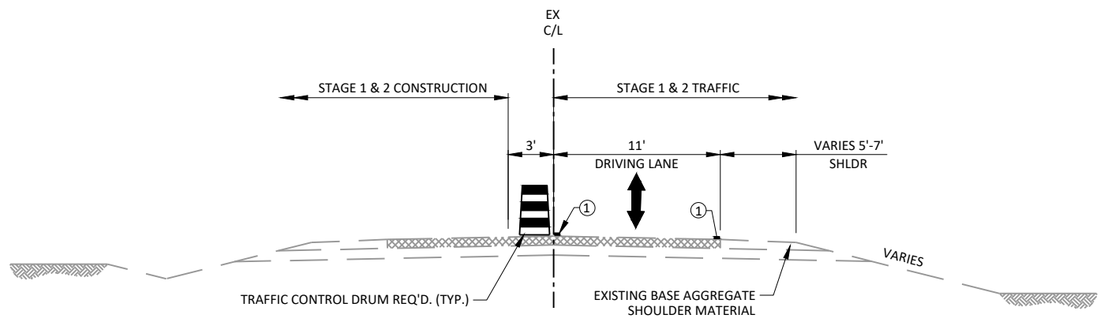
STH 55
STA. 16+60 - STA. 19+15

① TEMPORARY MARKING LINE PAINT 6-INCH, WHITE



STAGE 2 - PARTIAL TYPICAL SECTION

STH 55
STA. 16+00 - STA. 17+87, RT.



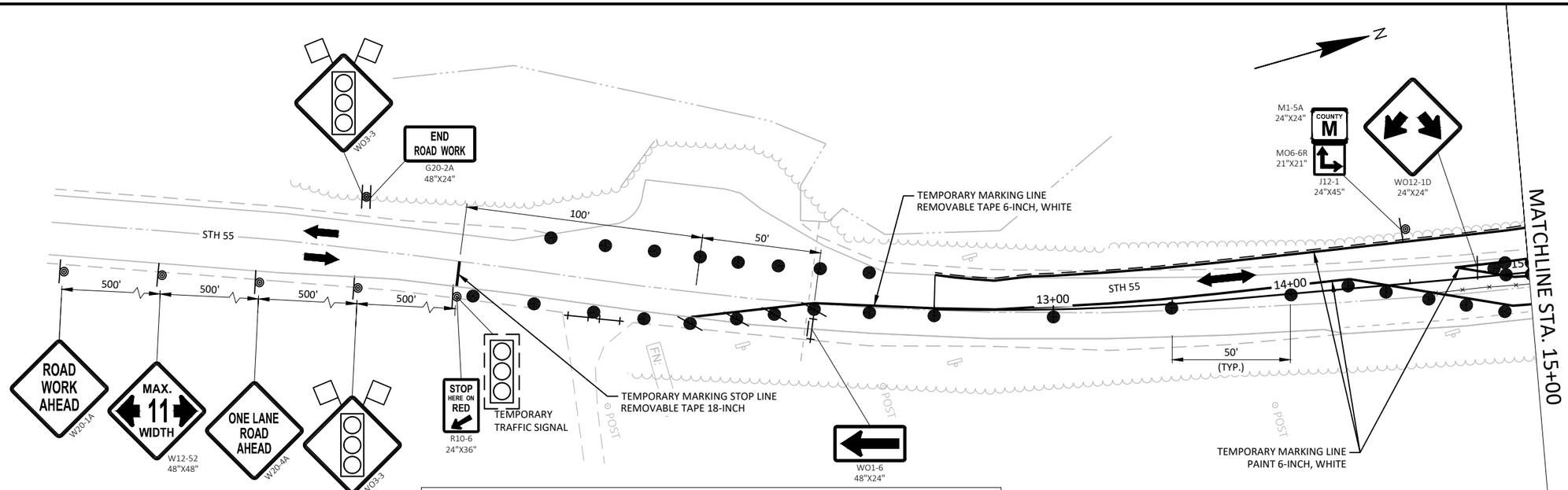
STAGE 1 & 2 TYPICAL SECTION

CTH M
STA. 18'A'+00 - STA. 20'A'+25

① TEMPORARY MARKING LINE PAINT 6-INCH, WHITE

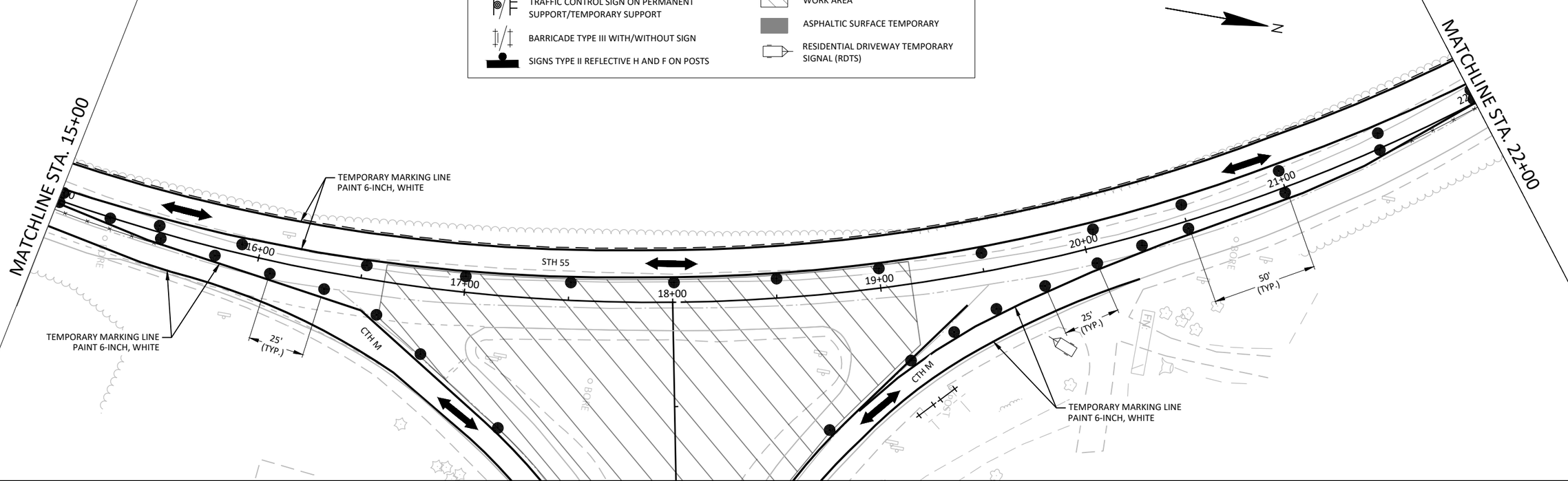
PROJECT NO: 9660-01-74	HWY: CTH M	COUNTY: MENOMINEE	TRAFFIC CONTROL STAGE 2	SHEET 23	E

2



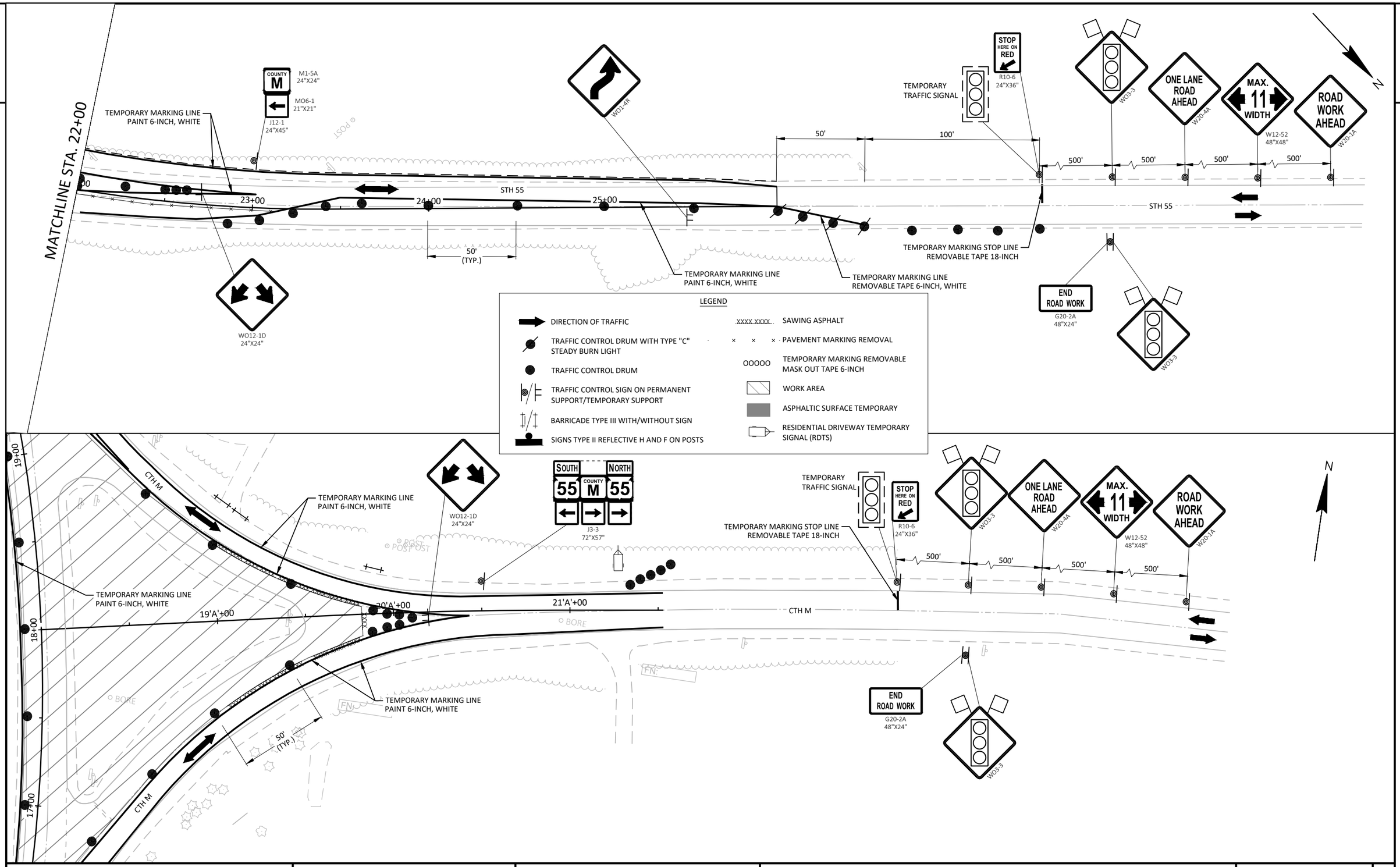
LEGEND

- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT/TEMPORARY SUPPORT
- BARRICADE TYPE III WITH/WITHOUT SIGN
- SIGNS TYPE II REFLECTIVE H AND F ON POSTS
- XXXX XXXX SAWING ASPHALT
- × × × PAVEMENT MARKING REMOVAL
- OOOOO TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- RESIDENTIAL DRIVEWAY TEMPORARY SIGNAL (RDTS)



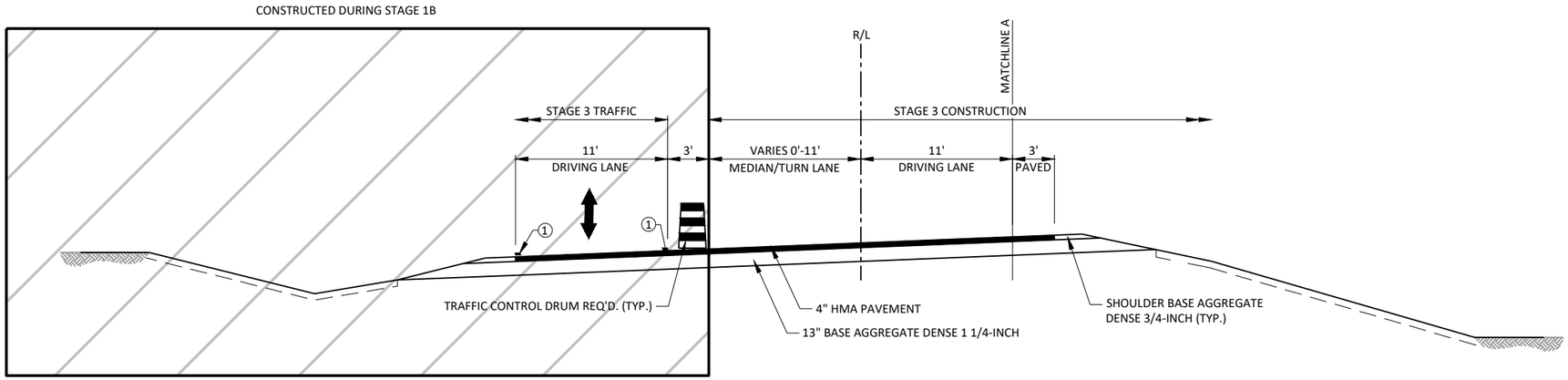
PROJECT NO: 9660-01-74	HWY: CTH M	COUNTY: MENOMINEE	TRAFFIC CONTROL STAGE 2	SHEET 24	E

2



PROJECT NO: 9660-01-74	HWY: CTH M	COUNTY: MENOMINEE	TRAFFIC CONTROL STAGE 2	SHEET 25	E

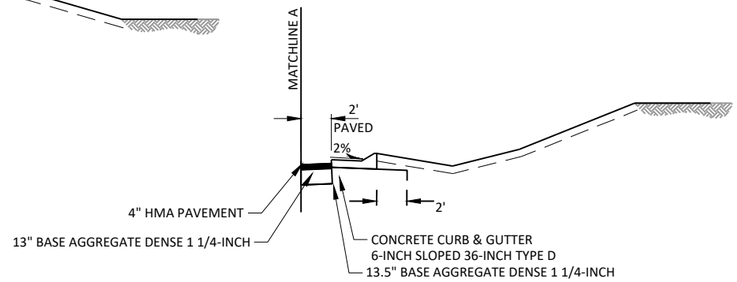
2



STAGE 3 TYPICAL SECTION

STH 55
STA. 12+50 - STA. 16+60
STA. 19+15 - STA. 25+98

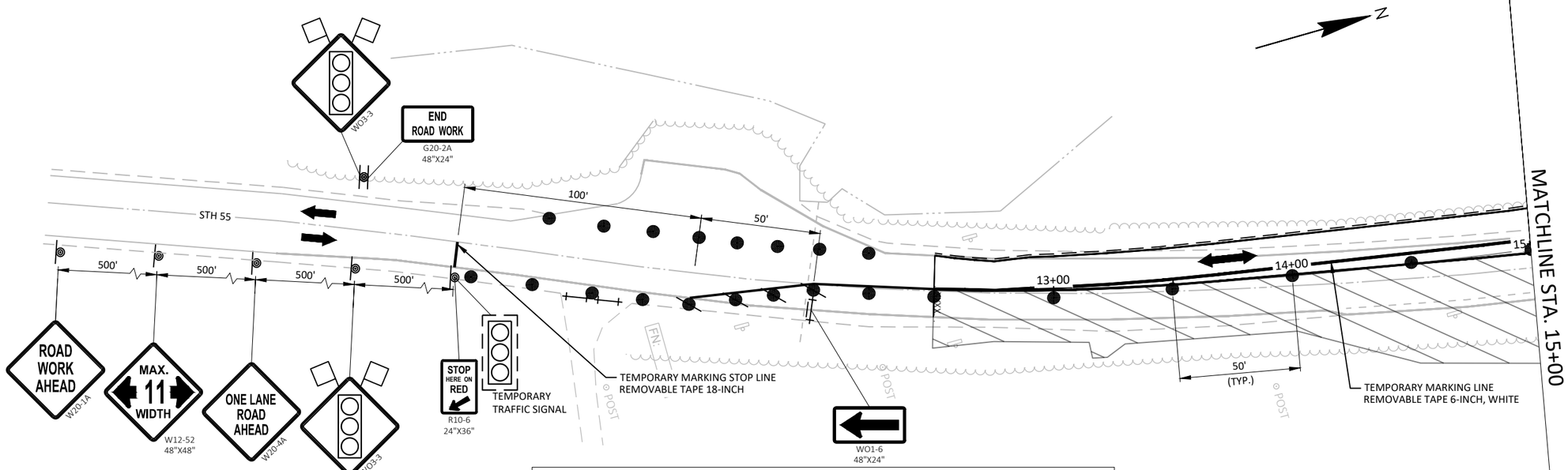
① TEMPORARY MARKING LINE PAINT 6-INCH, WHITE



STAGE 3 - PARTIAL TYPICAL SECTION

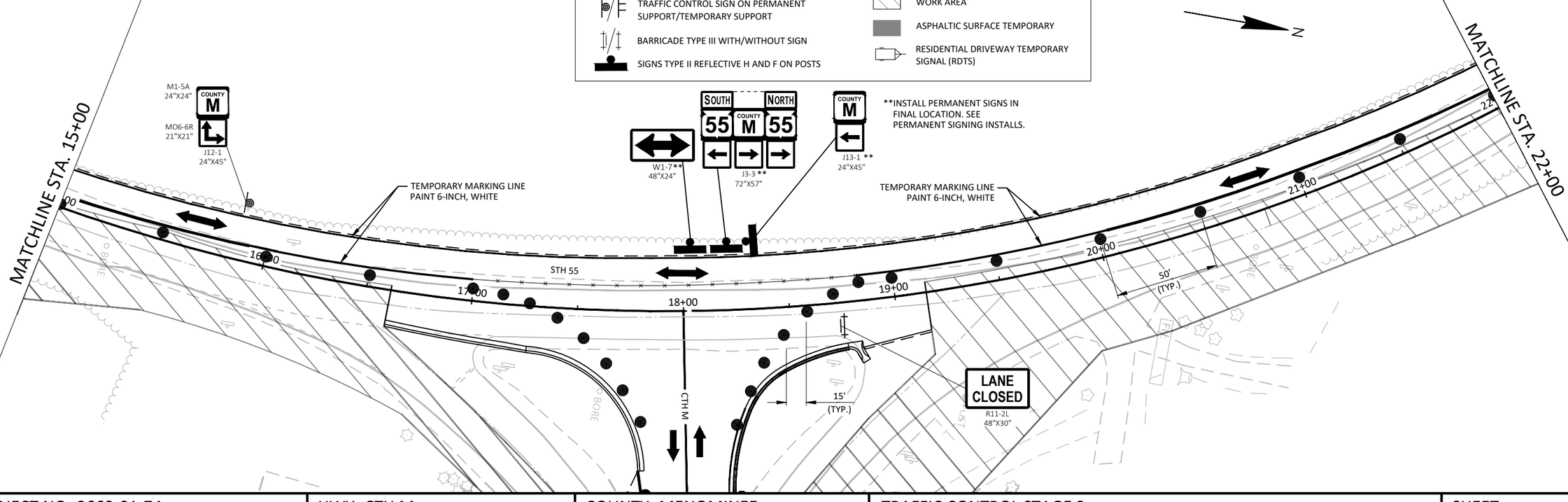
STH 55
STA. 13+25 - STA. 16+60, RT.

2



LEGEND

- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT/TEMPORARY SUPPORT
- BARRICADE TYPE III WITH/WITHOUT SIGN
- SIGNS TYPE II REFLECTIVE H AND F ON POSTS
- XXXX XXXX SAWING ASPHALT
- PAVEMENT MARKING REMOVAL
- OOOOO TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- RESIDENTIAL DRIVEWAY TEMPORARY SIGNAL (RDTS)



PROJECT NO: 9660-01-74	HWY: CTH M	COUNTY: MENOMINEE	TRAFFIC CONTROL STAGE 3	SHEET 27	E

2

MATCHLINE STA. 22+00

TEMPORARY MARKING LINE
PAINT 6-INCH, WHITE

W01-4R

50'
(TYP.)

STH 55

23+00

24+00

25+00

50'

100'

TEMPORARY
TRAFFIC SIGNAL

STOP
HERE ON
RED
R10-6
24"X36"

W03-3

ONE LANE
ROAD
AHEAD
W20-4A

MAX.
11
WIDTH
W12-52
48"X48"

ROAD
WORK
AHEAD
W20-1A

500'

500'

500'

500'

STH 55

TEMPORARY MARKING STOP LINE
REMOVABLE TAPE 18-INCH

END
ROAD WORK
G20-2A
48"X24"

W03-3

N

LEGEND

- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT/TEMPORARY SUPPORT
- BARRICADE TYPE III WITH/WITHOUT SIGN
- SIGNS TYPE II REFLECTIVE H AND F ON POSTS
- XXXX XXXX SAWING ASPHALT
- PAVEMENT MARKING REMOVAL
- OOOOO TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- RESIDENTIAL DRIVEWAY TEMPORARY SIGNAL (RDTS)

19+00

18+00

17+00

15'
(TYP.)

19'A'+00

20'A'+00

21'A'+00

50'
(TYP.)

STA. 19'A'+75 - STA. 21'A'+53 CONSTRUCT ONE LANE AT A TIME.
UTILIZE DRUMS TO DIRECT TRAFFIC AROUND THE WORK AREA,
OR USE FLAGGING OPERATIONS.

TEMPORARY MARKING LINE
PAINT 6-INCH, WHITE

TEMPORARY
TRAFFIC SIGNAL

STOP
HERE ON
RED
R10-6
24"X36"

W03-3

ONE LANE
ROAD
AHEAD
W20-4A

MAX.
11
WIDTH
W12-52
48"X48"

ROAD
WORK
AHEAD
W20-1A

500'

500'

500'

500'

CTH M

TEMPORARY MARKING STOP LINE
REMOVABLE TAPE 18-INCH

END
ROAD WORK
G20-2A
48"X24"

W03-3

N

PROJECT NO: 9660-01-74	HWY: CTH M	COUNTY: MENOMINEE	TRAFFIC CONTROL STAGE 3	SHEET	E

FILE NAME : R:\PROJECTS\W11720 WISDOT - STH 55 & CTH M, MENOMINEE CO\SHEETSPLAN\DETAILS\W11720_TRAFFIC STAGING STAGE 3.DWG PLOT DATE : 8/4/2026 7:12:44 PM PLOT BY : HANNAH SCHUH PLOT SCALE : 1 IN:50 FT LAYOUT : 2.26 STAGE 3

Estimate Of Quantities

9660-01-74

Line	Item	Item Description	Unit	Total	Qty
0002	201.0105	Clearing	STA	24.000	24.000
0004	201.0205	Grubbing	STA	24.000	24.000
0006	203.0100	Removing Small Pipe Culverts	EACH	2.000	2.000
0008	204.0180	Removing Delineators and Markers	EACH	2.000	2.000
0010	205.0100	Excavation Common	CY	5,040.000	5,040.000
0012	209.1500	Backfill Granular Grade 1	TON	85.000	85.000
0014	211.0101	Prepare Foundation for Asphaltic Paving (project) 01. 9660-01-74	EACH	1.000	1.000
0016	213.0100	Finishing Roadway (project) 01. 9660-01-74	EACH	1.000	1.000
0018	305.0110	Base Aggregate Dense 3/4-Inch	TON	280.000	280.000
0020	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	6,240.000	6,240.000
0022	455.0605	Tack Coat	GAL	330.000	330.000
0024	460.2000	Incentive Density HMA Pavement	DOL	1,440.000	1,440.000
0026	460.5223	HMA Pavement 3 LT 58-28 S	TON	1,500.000	1,500.000
0028	460.5244	HMA Pavement 4 LT 58-34 S	TON	750.000	750.000
0030	465.0125	Asphaltic Surface Temporary	TON	44.000	44.000
0032	465.0315	Asphaltic Flumes	SY	9.000	9.000
0034	520.1012	Apron Endwalls for Culvert Pipe 12-Inch	EACH	2.000	2.000
0036	521.5112	Culvert Pipe Corrugated Steel Polymer Coated 12-Inch	LF	44.000	44.000
0038	522.2419	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 19x30-Inch	LF	64.000	64.000
0040	522.2619	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 19x30-Inch	EACH	2.000	2.000
0042	601.0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF	599.000	599.000
0044	606.0200	Riprap Medium	CY	15.000	15.000
0046	618.0100	Maintenance and Repair of Haul Roads (project) 01. 9660-01-74	EACH	1.000	1.000
0048	619.1000	Mobilization	EACH	1.000	1.000
0050	624.0100	Water	MGAL	55.000	55.000
0052	625.0100	Topsoil	SY	9,760.000	9,760.000
0054	627.0200	Mulching	SY	9,580.000	9,580.000
0056	628.1504	Silt Fence	LF	1,620.000	1,620.000
0058	628.1520	Silt Fence Maintenance	LF	3,240.000	3,240.000
0060	628.1905	Mobilizations Erosion Control	EACH	6.000	6.000
0062	628.1910	Mobilizations Emergency Erosion Control	EACH	3.000	3.000
0064	628.2008	Erosion Mat Urban Class I Type B	SY	175.000	175.000
0066	628.7504	Temporary Ditch Checks	LF	120.000	120.000
0068	628.7555	Culvert Pipe Checks	EACH	6.000	6.000
0070	629.0210	Fertilizer Type B	CWT	8.000	8.000
0072	630.0120	Seeding Mixture No. 20	LB	560.000	560.000
0074	630.0500	Seed Water	MGAL	280.000	280.000
0076	633.5200	Markers Culvert End	EACH	2.000	2.000
0078	634.0614	Posts Wood 4x6-Inch x 14-FT	EACH	6.000	6.000
0080	634.0616	Posts Wood 4x6-Inch x 16-FT	EACH	17.000	17.000
0082	634.0618	Posts Wood 4x6-Inch x 18-FT	EACH	2.000	2.000
0084	637.2210	Signs Type II Reflective H	SF	122.690	122.690
0086	637.2230	Signs Type II Reflective F	SF	66.000	66.000
0088	638.2602	Removing Signs Type II	EACH	20.000	20.000
0090	638.3000	Removing Small Sign Supports	EACH	19.000	19.000
0092	642.5001	Field Office Type B	EACH	1.000	1.000
0094	643.0300	Traffic Control Drums	DAY	7,594.000	7,594.000
0096	643.0420	Traffic Control Barricades Type III	DAY	620.000	620.000
0098	643.0705	Traffic Control Warning Lights Type A	DAY	276.000	276.000

Estimate Of Quantities

9660-01-74

Line	Item	Item Description	Unit	Total	Qty
0100	643.0715	Traffic Control Warning Lights Type C	DAY	752.000	752.000
0102	643.0900	Traffic Control Signs	DAY	2,436.000	2,436.000
0104	643.1000	Traffic Control Signs Fixed Message	SF	54.000	54.000
0106	643.3165	Temporary Marking Line Paint 6-Inch	LF	10,474.000	10,474.000
0108	643.3180	Temporary Marking Line Removable Tape 6-Inch	LF	310.000	310.000
0110	643.3850	Temporary Marking Stop Line Removable Tape 18-Inch	LF	66.000	66.000
0112	643.3960	Temporary Marking Removable Mask Out Tape 6-Inch	LF	600.000	600.000
0114	643.5000	Traffic Control	EACH	1.000	1.000
0116	645.0120	Geotextile Type HR	SY	40.000	40.000
0118	646.2040	Marking Line Grooved Wet Ref Epoxy 6-Inch	LF	8,595.000	8,595.000
0120	646.4040	Marking Line Grooved Wet Ref Epoxy 10-Inch	LF	150.000	150.000
0122	646.5020	Marking Arrow Epoxy	EACH	2.000	2.000
0124	646.6120	Marking Stop Line Epoxy 18-Inch	LF	40.000	40.000
0126	646.7120	Marking Diagonal Epoxy 12-Inch	LF	330.000	330.000
0128	646.9002	Marking Removal Line 6-Inch	LF	4,228.000	4,228.000
0130	650.4500	Construction Staking Subgrade	LF	1,560.000	1,560.000
0132	650.5000	Construction Staking Base	LF	1,560.000	1,560.000
0134	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	599.000	599.000
0136	650.6000	Construction Staking Pipe Culverts	EACH	1.000	1.000
0138	650.8000	Construction Staking Resurfacing Reference	LF	128.000	128.000
0140	650.9911	Construction Staking Supplemental Control (project) 01. 9660-01-74	EACH	1.000	1.000
0142	650.9920	Construction Staking Slope Stakes	LF	1,560.000	1,560.000
0144	661.0201	Temporary Traffic Signals for Intersections (location) 01. STH 55 & CTH M (E)	EACH	1.000	1.000
0146	690.0150	Sawing Asphalt	LF	1,622.000	1,622.000
0148	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	300.000	300.000
0150	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	600.000	600.000
0152	SPV.0045	Special 01. Residential Driveway Temporary Signal System	DAY	188.000	188.000

3

CLEARING AND GRUBBING

STATION - STATION	LOCATION	201.0105 CLEARING (STA)	201.0205 GRUBBING (STA)
12+50 - 25+97	STH 55, LT.	14	14
14+00 - 15+40	STH 55, RT.	2	2
20+28 - 25+97	STH 55, RT.	6	6
18'A'+85 - 19'A'+10	CTH M, LT.	2	2
	TOTALS=	24	24

CULVERT REMOVALS

STATION	LOCATION	203.0100 REMOVING SMALL PIPE CULVERTS (EACH)	204.0180 REMOVING DELINEATORS AND MARKERS (EACH)
19+22	STH 55, RT.	1	-
25+06	STH 55, CROSS	1	2
	TOTAL=	2	2

EARTHWORK SUMMARY

STAGE	STATION - STATION	LOCATION	205.0100 EXCAVATION COMMON (1)(2)	AVAILABLE MATERIAL (3)	UNEXPANDED FILL	EXPANDED FILL (4)	MASS ORDINATE +/- (5)	COMMENT
1	12+50 - 25+98	STH 55	1,796	1,463	702	878	585	-
1	23+75	STH 55	41	41	0	0	41	CROSS CULVERT TRANSITION CUT EXCAVATION
		STAGE 1 TOTALS:	1,837	1,504	702	878	585	-
2	16+00 - 19+00	STH 55	283	114	165	206	-92	-
2	18'A'+19 - 20'A'+25	CTH M	341	195	152	190	5	STOCKPILE EXCESS STAGE 1 CUT MATERIAL IN STAGE 2 AREA AS NEEDED TO PREVENT BORROW IN STAGE 2.
		STAGE 2 TOTALS:	624	309	317	396	-87	
3	12+50 - 25+98	STH 55	1,888	1,349	484	605	744	-
3	23+75	STH 55	41	41	0	0	41	CROSS CULVERT TRANSITION CUT EXCAVATION
3	18'A'+19 - 20'A'+00	CTH M	636	266	69	86	180	-
3	1'B'+22 - 2'B'+40	B-LINE	14	14	90	112	-98	-
		STAGE 3 TOTALS:	2,579	1,670	643	803	867	-
		GRAND TOTALS:	5,040	3,483	1,662	2,077	1,365	-

NOTES:

(1) COMMON EXCAVATION IS THE CUMULATIVE CUT FROM THE EATHWORK TABLES. ITEM NUMBER 205.0100

(2) SALVAGED/UNSUABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.

(3) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUABLE PAVEMENT MATERIAL.

(4) EXPANDED FILL = (UNEXPANDED FILL) * FILL FACTOR. EXPANDED FILL FACTOR = 1.25

(5) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.

BACKFILL GRANULAR GRADE 1

STATION	LOCATION	209.1100 (TON)
23+75	STH 55, CROSS	85
	TOTAL=	85

BASE AGGREGATE DENSE

STATION - STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH (TON)	305.0110 BASE AGGREGATE DENSE 1 1/4-INCH (TON)	624.0100 WATER (MGAL)
12+50 - 13+25	STH 55, RT. & LT.	13	240	4
13+25 - 16+36	STH 55, RT. & LT.	-	1085	16
13+25 - 18+83	STH 55, LT.	50	-	1
16+36 - 18+83	STH 55, RT. & LT.	-	870	13
18+83 - 25+98	STH 55, RT. & LT.	128	2765	2
18'A'+13 - 18'A'+36	CTH M, RT.	-	605	9
18'A'+36 - 20'A'+25	CTH M, LT.	-	605	9
18'A'+75 - 21'A'+53	CTH M, RT.	25	-	0
18'A'+86 - 21'A'+53	CTH M, LT.	24	-	0
-	DRIVEWAYS	40	70	1
	TOTALS=	280	6,240	55

HMA PAVEMENT

STATION - STATION	LOCATION	455.0605 TACK COAT (GAL)	460.5223 HMA PAVEMENT 3 LT 58-28 S (TON)	460.5244 HMA PAVEMENT 4 LT 58-34 S (TON)	465.0125 ASPHALTIC SURFACE TEMPORARY (TON)
12+50 - 12+90	STH 55, RT. & LT.	7	27	13	-
12+90 - 17+85	STH 55, RT. & LT.	90	415	208	-
17+85 - 19+65	STH 55, RT. & LT.	39	176	88	-
19+65 - 21+03	STH 55, RT. & LT.	31	138	68	-
21+03 - 25+98	STH 55, RT. & LT.	92	423	213	-
18'A'+13 - 19'A'+76	CTH M, RT. & LT.	48	220	110	-
19'A'+76 - 21'A'+53	CTH M, RT. & LT.	23	101	50	-
-	STAGE 1 TRAFFIC CONTROL	-	-	-	44
	TOTALS=	330	1500	750	44

ASPHALTIC FLUMES

STATION	LOCATION	465.0315 ASPHALTIC FLUMES (SY)	606.0200 RIPRAP MEDIUM* (CY)	628.2008 EROSION MAT URBAN CLASS I TYPE B* (SY)	645.0120 GEOTEXTILE TYPE HR* (SY)
13+25	STH 55, RT.	4	3	-	10
16+33	STH 55, RT.	2	3	-	10
18+75	STH 55, RT.	3	-	10	-
	TOTALS=	9	6	10	20

*MORE LISTED ELSEWHERE

CULVERT PIPES

STATION	LOCATION	520.1012 APRON ENDWALLS FOR CULVERT PIPE 12-INCH (EACH)	521.5112 CULVERT PIPE CORRUGATED STEEL POLYMER COATED 12-INCH (EACH)	522.2419 CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL HE-IV 19X30-INCH (LF)	522.2619 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 19X30-INCH (EACH)	606.0200 RIPRAP MEDIUM* (CY)	628.2008 EROSION MAT URBAN CLASS I TYPE B* (SY)	628.7555 CULVERT PIPE CHECKS (EACH)	633.5200 MARKERS CULVERT END (EACH)	645.0120 GEOTEXTILE TYPE HR* (SY)	650.6000 CONSTRUCTION STAKING PIPE CULVERTS (EACH)
23+75	STH 55, CROSS	-	-	64	2	9	-	5	2	20	1
2'B'+13	'B'-LINE (P.E.), CROSS	2	44	-	-	-	5	1	-	-	-
	TOTALS=	2	44	64	2	9	5	6	2	20	1

*MORE LISTED ELSEWHERE

PIPE SIZE	MINIMUM THICKNESS (IN) STEEL
12-INCH	0.064

3

CURB & GUTTER

STATION - STATION	LOCATION	601.0557 CONCRETE CUBR & GUTTER 6-INCH SLOPED 36-INCH TYPE D (LF)	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER (LF)
13+25 - 17+27	STH 55, RT.	408	408
17+27 - 17+82	STH 55, RT.	86	86
18+19 - 18+83	STH 55, RT.	105	105
	TOTALS=	599	599

FINISHING ITEMS

STATION - STATION	LOCATION	625.0100 TOPSOIL (SY)	628.2008 EROSION MAT URBAN CLASS I TYPE B* (SY)	627.0200 MULCHING (SY)	629.0210 FERTILIZER TYPE B (CWT)	630.0120 SEEDING MIXTURE NO. 20 (LB)	630.0500 SEED WATER (MGAL)
12+50 - 13+25	STH 55, RT.	44	-	44	0.1	4	2
12+50 - 25+98	STH 55, LT.	3050	-	3050	2.7	195	98
13+25 - 17+82	STH 55, RT.	1531	-	1399	1.0	71	36
14+58 - 15+50	STH 55, RT.	-	134	-	-	-	-
18+19 - 18+83	STH 55, RT.	356	-	356	0.2	17	9
18+83 - 25+98	STH 55, RT.	1962	-	1951	1.6	111	55
18'A'+75 - 21'A'+53	CTH M, RT.	522	-	522	0.4	30	15
19'A'+32 - 21'A'+53	CTH M, LT.	348	-	348	0.3	22	11
-	UNDISTRIBUTED	1947	26	1910	1.7	110	54
	TOTALS=	9,760	160	9,580	8	560	280

*MORE LISTED ELSEWHERE

MOBILIZATION EROSION CONTROL

PROJECT	628.1905 MOBILIZATION EROSION CONTROL (EACH)	628.1910 MOBILIZATION EMERGENCY EROSION CONTROL (EACH)
9660-01-74	6	3
TOTALS=	6	3

3

TEMPORARY DITCH CHECKS

STATION	LOCATION	628.7504 (LF)
12+50	STH 55, RT.	10
13+44	STH 55, RT.	10
14+04	STH 55, RT.	10
14+75	STH 55, LT.	10
15+00	STH 55, RT.	10
16+00	STH 55, RT.	10
20+00	STH 55, RT.	10
22+00	STH 55, RT.	10
24+10	STH 55, LT.	10
19'A'+10	CTH M, RT.	10
19'A'+75	CTH M, RT.	10
-	UNDISTRIBUTED	10
	TOTAL=	120

PAVEMENT MARKINGS

STATION - STATION	LOCATION	DESCRIPTION	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH SOLID YELLOW (LF)	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH SOLID WHITE (LF)	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH DASHED WHITE (LF)	646.4040 MARKING LINE GROOVED WET REF EPOXY 10-INCH SOLID WHITE (LF)	646.5020 MARKING ARROW EPOXY TYPE 2 (EACH)	646.6120 MARKING STOP LINE EPOXY 18-INCH (LF)	646.7120 MARKING DIAGONAL EPOXY 12-INCH (LF)
12+50 - 16+37	STH 55, RT. & LT.	WHITE EDGELINES	-	772	-	-	-	-	-
12+50 - 17+85	STH 55, RT. & LT.	DOUBLE YELLOW	2067	-	-	-	-	-	-
12+90 - 17+85	STH 55, RT. & LT.	MEDIAN, YELLOW	-	-	-	-	-	-	140
16+37 - 18+83	STH 55, RT. & LT.	WHITE EDGELINES	-	240	63	-	-	-	-
18+15 - 19+50	STH 55, RT.	DOUBLE YELLOW	270	-	-	-	-	-	-
18+15 - 19+65	STH 55, LT.	LEFT TURN LANE	-	-	-	150	-	-	-
18+51 - 18+59	STH 55, LT.	-	-	-	-	-	1	-	-
18+83 - 25+98	STH 55, RT. & LT.	WHITE EDGELINES	-	1425	-	-	-	-	-
19+22 - 19+30	STH 55, LT.	-	-	-	-	-	1	-	-
19+50 - 25+98	STH 55, RT. & LT.	DOUBLE YELLOW	2556	-	-	-	-	-	-
19+65 - 25+98	STH 55, RT. & LT.	MEDIAN, YELLOW	-	-	-	-	-	-	190
18'A'+25	CTH M, LT.	-	-	-	-	-	-	40	-
18'A'+25 - 21'A'+53	CTH M, RT. & LT.	DOUBLE YELLOW	656	-	-	-	-	-	-
18'A'+75 - 21'A'+53	CTH M, RT.	WHITE EDGELINES	-	278	-	-	-	-	-
18'A'+86 - 21'A'+53	CTH M, LT.	WHITE EDGELINES	-	268	-	-	-	-	-
		SUBTOTALS=	5549	2983	63	150	2	40	330
		TOTAL =		8,595		150	2	40	330

SILT FENCE

STATION - STATION	LOCATION	628.1504 SILT FENCE (LF)	628.1520 SILT FENCE MAINTENANCE (LF)
12+50 - 25+98	STH 55, LT.	1,300	2600
-	UNDISTRIBUTED	320	640
	TOTALS=	1,620	3,240

CONSTRUCTION STAKING

STATION - STATION	LOCATION	650.4500 SUBGRADE (LF)	650.5000 BASE (LF)	650.8000 RESURFACING REFERENCE (LF)	650.9911 SUPPLEMENTAL CONTROL (9660-01-74) (EACH)	650.9920 SLOPE STAKES (LF)
12+50 - 25+98	STH 55, RT. & LT.	1,348	1,348	-	-	1,348
18'A'+13 - 20'A'+25	CTH M, RT. & LT.	212	212	-	-	212
20'A'+25 - 21'A'+53	CTH M, RT. & LT.	-	-	128	-	-
-	PROJECT	-	-	-	1	-
	TOTALS=	1,560	1,560	128	1	1,560

SAWING

STATION	LOCATION	690.0150 SAWING ASPHALT (LF)
12+50	STH 55	26
12+50 - 25+98	STH 55	1348
25+98	STH 55	26
18'A'+05 - 19'A'+82	CTH M	200
21'A'+53	CTH M	22
	TOTAL=	1622

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PERMANENT SIGNING

SIGN NUMBER	APPROX. STATION	LOCATION	SIGN CODE	SIGN DESCRIPTION	ORDER LINES	SIGN SIZE (IN X IN)	637.2210 SIGNS TYPE II REFLECTIVE H (SF)	637.2230 SIGNS TYPE II REFLECTIVE F (SF)	634.0614 POSTS WOOD 4X6-INCH 14-FT (EACH)	634.0616 POSTS WOOD 4X6-INCH 16-FT (EACH)	634.0618 POSTS WOOD 4X6-INCH 18-FT (EACH)	638.2602 REMOVING SIGNS TYPE II (EACH)	638.3000 REMOVING SMALL SIGN SUPPORTS (EACH)	COMMENT
1-1	12+05	STH 55, RT	W1-8	CHEVRON	-	18"X24"	-	3.00	-	1	-	-	-	-
1-2	12+05	STH 55, RT	W1-8	CHEVRON	-	18"X24"	-	3.00	-	-	-	-	-	MOUNTED ON SAME POST AS 1-1
1-3	12+30	STH 55, LT	R4-14	VEHICLE TURNOUT	SLOW VEHICLES MUST TURNOUT	30"X42"	8.75	-	-	1	-	-	-	-
1-4	13+60	STH 55, RT	W1-8	CHEVRON	-	18"X24"	-	3.00	1	-	-	-	-	-
1-5	13+60	STH 55, RT	W1-8	CHEVRON	-	18"X24"	-	3.00	-	-	-	-	-	MOUNTED ON SAME POST AS 1-4
1-6	15+00	STH 55, LT	J4-1	ROUTE ASSEMBLY	SOUTH / STH 55	24"X36"	6.00	-	-	1	-	-	-	J4-1: M3-3, M1-6
1-7	15+25	STH 55, RT	W1-6	ARROW BOARD	ARROW LT	48"X24"	-	8.00	1	-	-	-	-	-
1-8	15+25	STH 55, RT	W1-8	CHEVRON	-	18"X24"	-	3.00	-	-	-	-	-	MOUNTED ON SAME POST AS 1-7
1-9	15+90	STH 55, RT	D1-1A	TOWN DIRECTION	SURING -->	54"X15"	5.63	-	2	-	-	-	-	-
1-10	16+85	STH 55, RT	W1-8	CHEVRON	-	18"X24"	-	3.00	1	-	-	-	-	-
1-11	16+85	STH 55, RT	W1-8	CHEVRON	-	18"X24"	-	3.00	-	-	-	-	-	MOUNTED ON SAME POST AS 1-11
1-12	17+00	STH 55, LT	R4-13	VEHICLE TURNOUT	SLOW VEHICLES MUST USE TURNOUT AHEAD	42"X24"	7.00	-	-	1	-	-	-	-
1-13	17+25	STH 55, RT	J13-1	ROUTE ASSEMBLY	CTH M / ARROW UP AND RT	24"X45"	7.50	-	-	1	-	-	-	J13-1: M1-5A, M6-6R
1-14	18+10	STH 55, LT	W1-7	ARROW BOARD	DOUBLE ARROW	48"X24"	-	8.00	-	1	-	-	-	-
1-15	18+30	STH 55, LT	J3-3	ROUTE ASSEMBLY	SOUTH / STH 55 / ARROW LT / CTH M / ARROW RT / NORTH / STH 55 / RT ARROW	72"X57"	28.50	-	-	-	2	-	-	J3-3: M3-3, M1-6, M6-1, M1-5A, M6-1, M3-1, M1-6, M6-1
1-16	18'A'+50	CTH M, LT	R1-1	STOP	-	30"X30"	5.18	-	1	-	-	-	-	-
1-17	18+50	STH 55, LT	J13-1	ROUTE ASSEMBLY	CTH M / ARROW LT	24"X45"	7.50	-	-	1	-	-	-	J13-1: M1-5A, M6-1
1-18	19+25	STH 55, RT	W1-8	CHEVRON	-	18"X24"	-	3.00	-	1	-	-	-	-
1-19	19+25	STH 55, RT	W1-8	CHEVRON	-	18"X24"	-	3.00	-	-	-	-	-	MOUNTED ON SAME POST AS 1-18
1-20	20+00	STH 55, RT	J4-2	ROUTE ASSEMBLY	NORTH / STH 55 / CTH M	48"X36"	12.00	-	-	1	-	-	-	J4-2: M3-1, M1-6, M1-5A
1-21	20+85	STH 55, RT	W1-8	CHEVRON	-	18"X24"	-	3.00	-	1	-	-	-	-
1-22	20+85	STH 55, RT	W1-6	ARROW BOARD	ARROW RT	48"X24"	-	8.00	-	-	-	-	-	MOUNTED ON SAME POST AS 1-21
1-23	21+00	STH 55, LT	D1-1A	TOWN DIRECTION	<-- SURING	54"X15"	5.63	-	-	2	-	-	-	-
1-24	22+00	STH 55, LT	R3-8(L)(A)	ADVANCE LANE CONTROL	LT LANE ONLY / RT LANE ONLY	36"X30"	7.50	-	-	1	-	-	-	-
1-25	22+40	STH 55, RT	W1-8	CHEVRON	-	18"X24"	-	3.00	-	1	-	-	-	-
1-26	22+40	STH 55, RT	W1-8	CHEVRON	-	18"X24"	-	3.00	-	-	-	-	-	MOUNTED ON SAME POST AS 1-24
1-27	23+00	STH 55, LT	D17-7	VEHICLE TURNOUT	SLOW VEHICLE TURNOUTS NEXT 10 MILES	48"x42"	14.00	-	-	1	-	-	-	-
1-28	24+00	STH 55, RT	W1-8	CHEVRON	-	18"X24"	-	3.00	-	1	-	-	-	-
1-29	24+00	STH 55, RT	W1-8	CHEVRON	-	18"X24"	-	3.00	-	-	-	-	-	MOUNTED ON SAME POST AS 1-27
1-30	26+00	STH 55, LT	J13-1	ROUTE ASSEMBLY	CTH M / ARROW UP AND LT	24"X45"	7.50	-	-	1	-	-	-	-
2-1R	12+58	STH 55, RT	D1-1A	TOWN DIRECTION	SURING -->	-	-	-	-	-	-	1	1	-
2-2R	12+66	STH 55, LT	-	VEHICLE TURNOUT	SLOW VEHICLE TURNOUTS	-	-	-	-	-	-	1	1	-
2-3R	14+66	STH 55, RT	J13-1	ROUTE ASSEMBLY	CTH M / ARROW UP AND RT	-	-	-	-	-	-	1	1	J13-1: M1-5A, M6-6R
2-4R	15+92	STH 55, RT	W1-6	ARROW BOARD	ARROW LT	-	-	-	-	-	-	1	1	-
2-5R	15+92	STH 55, RT	W1-6	ARROW BOARD	ARROW RT	-	-	-	-	-	-	1	-	MOUNTED ON SAME POST AS 2-4R
2-6R	16+10	STH 55, LT	-	VEHICLE TURNOUT	SLOW VEHICLE TURNOUTS NEXT 10 MILES	-	-	-	-	-	-	1	1	-
2-7R	18'A'+25	CTH M, RT	R1-1	STOP	-	-	-	-	-	-	-	1	1	-
2-8R	18'A'+35	CTH M, RT	J13-1	ROUTE ASSEMBLY	STH 55 / ARROW RT AND LT	-	-	-	-	-	-	1	1	J13-1: M1-6, M6-4
2-9R	19'A'+40	CTH M, RT	W12-1D	DOUBLE DIAGONAL ARROW	-	-	-	-	-	-	-	1	1	-
2-10R	19'A'+40	CTH M, LT	R1-1	STOP	-	-	-	-	-	-	-	1	1	-
2-11R	18'A'+34	CTH M, LT	R1-1	STOP	-	-	-	-	-	-	-	1	1	-
2-12R	18+72	STH 55, RT	J13-1	ROUTE ASSEMBLY	CTH M / ARROW LT	-	-	-	-	-	-	1	1	J13-1: M1-5A, M6-1
2-13R	18'A'+75	CTH M, LT	R1-1	STOP	-	-	-	-	-	-	-	1	1	-
2-14R	18'A'+78	CTH M, LT	J12-2	ROUTE ASSEMBLY	STH 55 / CTH M / ARROW RT AND LT / ARROW RT	-	-	-	-	-	-	1	1	J12-2: M1-6, M1-5A, M6-4, M6-1
2-15R	20+50	STH 55, RT	W1-6	ARROW BOARD	ARROW LT	-	-	-	-	-	-	1	1	-
2-16R	20+78	STH 55, RT	W1-6	ARROW BOARD	ARROW RT	-	-	-	-	-	-	1	1	-
2-17R	21+41	STH 55, RT	J1-2	ROUTE ASSEMBLY	NORTH / STH 55 / CTH M	-	-	-	-	-	-	1	1	J1-2: M3-1 , M1-6, M1-5A
2-18R	22+10	STH 55, LT	-	VEHICLE TURNOUT	SLOW VEHICLE TURNOUTS 1000 FT	-	-	-	-	-	-	1	1	-
2-19R	23+50	STH 55, LT	D1-1A	TOWN DIRECTION	<-- SURING	-	-	-	-	-	-	1	1	-
2-20R	26+46	STH 55, LT	J13-1	ROUTE ASSEMBLY	CTH M / ARROW UP AND LT	-	-	-	-	-	-	1	1	J13-1: M1-5A, M5-1L
					PROJECT TOTALS =	-	122.69	66.00	6	17	2	20	19	

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TRAFFIC CONTROL SIGNS FIXED MESSAGE

LOCATION	CODE	SIGN DESCRIPTION	ORDER LINES	(IN X IN)	643.1000 (SF)
STH 55/STH 47	G20-57	CONSTRUCTION NOTICE	HWY 55/ CTH M	72X36	18.00
STH 55/CTH M(W)	G20-57	CONSTRUCTION NOTICE	HWY 55/ CTH M	72X36	18.00
CTH M(E)/CTH AA	G20-57	CONSTRUCTION NOTICE	HWY 55/ CTH M	72X36	18.00
				TOTAL=	54.00

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TRAFFIC CONTROL - STAGE 1

STATION - STATION	LOCATION	*CALENDAR DAY DURATION*	643.0300 TRAFFIC CONTROL DRUMS (COUNT)	(DAY)	643.0420 TRAFFIC CONTROL BARRICADES TYPE III (COUNT)	(DAY)	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A (COUNT)	(DAY)	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPEC C (COUNT)	(DAY)	643.0900 TRAFFIC CONTROL SIGNS (COUNT)	(DAY)	643.3165 TEMPORARY MARKING LINE PAINT 6-INCH LOWER ASPHALT LAYER (LF)	UPPER ASPHALT LAYER (LF)	643.3180 TEMPORARY MARKING LINE REMOVEABLE TAPE 6-INCH (LF)	643.3850 TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (LF)	643.3960 TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH (LF)	646.9002 MARKING REMOVAL LINE 6-INCH (LF)	SPV.0045.01 RESIDENTIAL DRIVEWAY TEMPORARY SIGNAL SYSTEM (COUNT)	(DAY)	COMMENTS
-	STH 55, RT	*32*	-	-	-	-	-	-	-	-	1	32	-	-	-	-	-	-	-	-	(1) W20-1A
-	STH 55, RT	*32*	-	-	-	-	-	-	-	-	1	32	-	-	-	-	-	-	-	-	(1) W12-52; 11 FT.
-	STH 55, RT	*32*	-	-	-	-	-	-	-	-	1	32	-	-	-	-	-	-	-	-	(1) W20-4A
-	STH 55, RT	*32*	-	-	-	-	-	-	-	-	1	32	-	-	-	-	-	-	-	-	(1) WO3-3
-	STH 55, LT	*32*	-	-	-	-	-	-	-	-	2	64	-	-	-	-	-	-	-	-	(1 EA.) W03-3, G20-2A
10+50	STH 55, RT	*32*	-	-	-	-	-	-	-	-	1	32	-	-	-	11	-	-	-	-	(1) R10-6
10+50 - 27+50	STH 55, RT & LT	*32*	44	1,408	-	-	-	-	8	256	-	-	4,150	-	155	-	600	3,433	-	-	
10+96 - 11+20	STH 55, RT	*32*	-	-	2	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
13+00	STH 55, LT	*32*	-	-	-	-	-	-	-	-	1	32	-	-	-	-	-	-	-	-	(1) WO1-4R
16+60 - 19+40	STH 55, RT	*32*	8	256	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
16+60	STH 55, RT	*32*	-	-	-	-	-	-	-	-	1	32	-	-	-	-	-	-	-	-	(1) W012-1D
19+30	STH 55, RT	*32*	-	-	-	-	-	-	-	-	1	32	-	-	-	-	-	-	-	-	(1) WO12-1D
19+70	STH 55, RT	*32*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	32	
26+00	STH 55, LT	*32*	-	-	1	32	2	64	-	-	1	32	-	-	-	-	-	-	-	-	(1) WO1-6
27+50	STH 55, LT	*32*	-	-	-	-	-	-	-	-	1	32	-	-	-	11	-	-	-	-	(1) R10-6
-	STH 55, RT	*32*	-	-	-	-	-	-	-	-	2	64	-	-	-	-	-	-	-	-	(1 EA.) W03-3, G20-2A
-	STH 55, LT	*32*	-	-	-	-	-	-	-	-	1	32	-	-	-	-	-	-	-	-	(1) WO3-3
-	STH 55, LT	*32*	-	-	-	-	-	-	-	-	1	32	-	-	-	-	-	-	-	-	(1) W20-4A
-	STH 55, LT	*32*	-	-	-	-	-	-	-	-	1	32	-	-	-	-	-	-	-	-	(1) W12-52; 11 FT.
-	STH 55, LT	*32*	-	-	-	-	-	-	-	-	1	32	-	-	-	-	-	-	-	-	(1) W20-1A
18'A'+15 - 20'A'+10	CTH M	*32*	19	608	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
18'A'+36 - 19'A'+90	CTH M, LT	*32*	-	-	5	160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
20'A'+44 - 21'A'+53	CTH M	*32*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	218	-	-	
20'A'+17	CTH M	*32*	-	-	-	-	-	-	-	-	1	32	-	-	-	-	-	-	-	-	(1) W012-1D
21'A'+25	CTH M, LT	*32*	5	160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	32	
23'A'+00	CTH M, LT	*32*	-	-	-	-	-	-	-	-	1	32	-	-	-	11	-	-	-	-	(1) R10-6
-	CTH M, RT	*32*	-	-	-	-	-	-	-	-	2	64	-	-	-	-	-	-	-	-	(1 EA.) G20-2A, WO3-3
-	CTH M, LT	*32*	-	-	-	-	-	-	-	-	1	32	-	-	-	-	-	-	-	-	(1) WO3-3
-	CTH M, LT	*32*	-	-	-	-	-	-	-	-	1	32	-	-	-	-	-	-	-	-	(1) W20-4A
-	CTH M, LT	*32*	-	-	-	-	-	-	-	-	1	32	-	-	-	-	-	-	-	-	(1) W12-52; 11 FT.
-	CTH M, LT	*32*	-	-	-	-	-	-	-	-	1	32	-	-	-	-	-	-	-	-	(1) W20-1A
STAGE 1 SUBTOTALS =			2,432		256		64		256		832		4,150	0	155	33	600	3,651	64		

FILE NAME : R:\PROJECTS\W11720 WISDOT - STH 55 & CTH M, MENOMINEE CO\SHEETSPLAN\W11720_MISCELLANEOUS QUANTITIES.DWG PLOT DATE : 8/5/2026 1:16:23 AM PLOT BY : NICK PEHLER LAYOUT : 3.3 MISCELLANEOUS QUANTITIES

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TRAFFIC CONTROL - STAGE 2

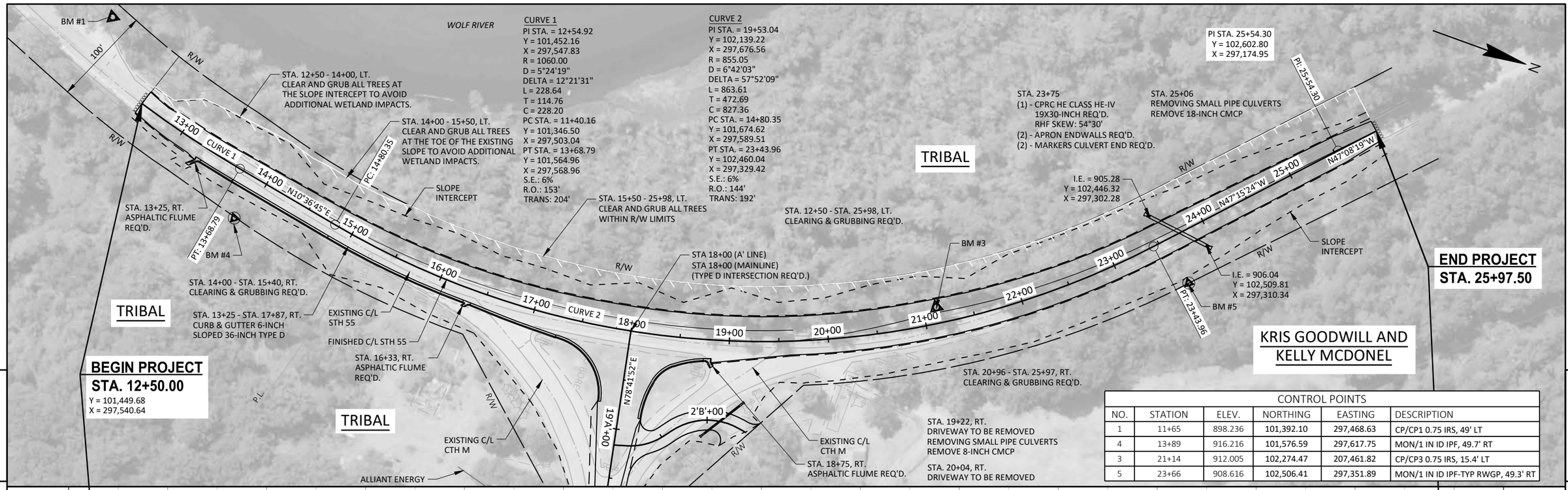
STATION - STATION	LOCATION	*CALENDAR DAY DURATION*	643.0300 TRAFFIC CONTROL DRUMS (COUNT)	643.0300 TRAFFIC CONTROL DRUMS (DAY)	643.0420 TRAFFIC CONTROL BARRICADES TYPE III (COUNT)	643.0420 TRAFFIC CONTROL BARRICADES TYPE III (DAY)	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A (COUNT)	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A (DAY)	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C (COUNT)	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C (DAY)	643.0900 TRAFFIC CONTROL SIGNS (COUNT)	643.0900 TRAFFIC CONTROL SIGNS (DAY)	643.3165 TEMPORARY MARKING LINE PAINT 6-INCH LOWER ASPHALT LAYER (LF)	643.3165 TEMPORARY MARKING LINE PAINT 6-INCH UPPER ASPHALT LAYER (LF)	643.3180 TEMPORARY MARKING LINE REMOVEABLE TAPE 6-INCH (LF)	643.3850 TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (LF)	643.3960 TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH (LF)	646.9002 MARKING REMOVAL LINE 6-INCH (LF)	SPV.0045.01 RESIDENTIAL DRIVEWAY TEMPORARY SIGNAL SYSTEM (COUNT)	SPV.0045.01 RESIDENTIAL DRIVEWAY TEMPORARY SIGNAL SYSTEM (DAY)	COMMENTS
-	STH 55, RT	*18*	-	-	-	-	-	-	-	-	1	18	-	-	-	-	-	-	-	-	(1) W20-1A
-	STH 55, RT	*18*	-	-	-	-	-	-	-	-	1	18	-	-	-	-	-	-	-	-	(1) W12-52; 11 FT.
-	STH 55, RT	*18*	-	-	-	-	-	-	-	-	1	18	-	-	-	-	-	-	-	-	(1) W20-4A
-	STH 55, RT	*18*	-	-	-	-	-	-	-	-	1	18	-	-	-	-	-	-	-	-	(1) WO3-3
-	STH 55, LT	*18*	-	-	-	-	-	-	-	-	2	36	-	-	-	-	-	-	-	-	(1 EA.) W03-3, G20-2A
10+50	STH 55, RT	*18*	-	-	-	-	-	-	-	-	1	18	-	-	-	11	-	-	-	-	(1) R10-6
10+50 - 27+50	STH 55, RT & LT	*18*	82	1,476	-	-	-	-	8	144	-	-	3,203	-	155	-	-	265	-	-	
10+96 - 11+20	STH 55, RT	*18*	-	-	2	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12+26	STH 55, RT	*18*	-	-	1	18	2	36	-	-	1	18	-	-	-	-	-	-	-	-	(1) WO1-6
14+50	STH 55, LT	*18*	-	-	-	-	-	-	-	-	1	18	-	-	-	-	-	-	-	-	(1) J12-1: M1-5A, MO6-6R
14+80	STH 55, LT	*18*	-	-	-	-	-	-	-	-	1	18	-	-	-	-	-	-	-	-	(1) WO12-1D
19+70	STH 55, RT	*18*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	18	
22+67	STH 55, LT	*18*	-	-	-	-	-	-	-	-	1	18	-	-	-	-	-	-	-	-	(1) WO12-1D
23+00	STH 55, LT	*18*	-	-	-	-	-	-	-	-	1	18	-	-	-	-	-	-	-	-	(1) J12-1: M1-5A, MO6-1
25+50	STH 55, RT	*18*	-	-	-	-	-	-	-	-	1	18	-	-	-	-	-	-	-	-	(1) WO1-4R
27+50	STH 55, LT	*18*	-	-	-	-	-	-	-	-	1	18	-	-	-	11	-	-	-	-	(1) R10-6
-	STH 55, RT	*18*	-	-	-	-	-	-	-	-	2	36	-	-	-	-	-	-	-	-	(1 EA.) W03-3, G20-2A
-	STH 55, LT	*18*	-	-	-	-	-	-	-	-	1	18	-	-	-	-	-	-	-	-	(1) WO3-3
-	STH 55, LT	*18*	-	-	-	-	-	-	-	-	1	18	-	-	-	-	-	-	-	-	(1) W20-4A
-	STH 55, LT	*18*	-	-	-	-	-	-	-	-	1	18	-	-	-	-	-	-	-	-	(1) W12-52; 11 FT.
-	STH 55, LT	*18*	-	-	-	-	-	-	-	-	1	18	-	-	-	-	-	-	-	-	(1) W20-1A
18'A'+15 - 20'A'+10	CTH M	*18*	14	252	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
18'A'+36 - 19'A'+90	CTH M, LT	*18*	-	-	5	90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
20'A'+17	CTH M	*18*	-	-	-	-	-	-	-	-	1	18	-	-	-	-	-	-	-	-	(1) W012-1D
21'A'+25	CTH M, LT	*18*	5	90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	18	
23'A'+00	CTH M, LT	*18*	-	-	-	-	-	-	-	-	1	18	-	-	-	11	-	-	-	-	(1) R10-6
-	CTH M, RT	*18*	-	-	-	-	-	-	-	-	2	36	-	-	-	-	-	-	-	-	(1 EA.) G20-2A, WO3-3
-	CTH M, LT	*18*	-	-	-	-	-	-	-	-	1	18	-	-	-	-	-	-	-	-	(1) WO3-3
-	CTH M, LT	*18*	-	-	-	-	-	-	-	-	1	18	-	-	-	-	-	-	-	-	(1) W20-4A
-	CTH M, LT	*18*	-	-	-	-	-	-	-	-	1	18	-	-	-	-	-	-	-	-	(1) W12-52; 11 FT.
-	CTH M, LT	*18*	-	-	-	-	-	-	-	-	1	18	-	-	-	-	-	-	-	-	(1) W20-1A
STAGE 2 SUBTOTALS =			1,818		144		36		144		504		3,203	0	155	33	0	265	36		

3

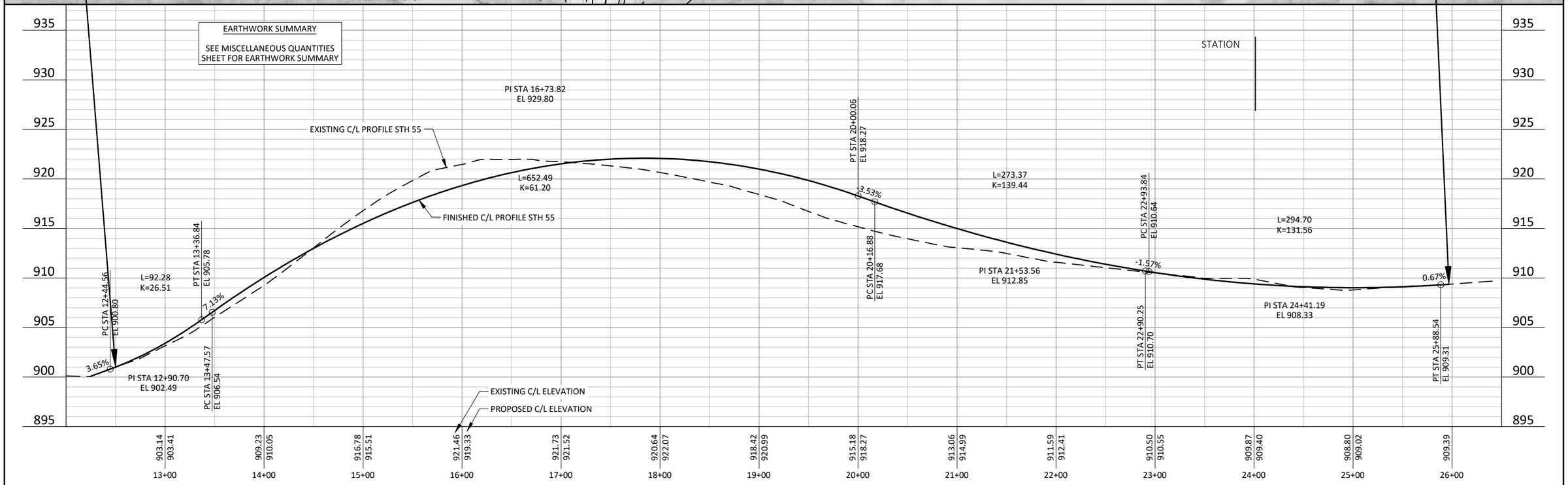
3

TRAFFIC CONTROL - STAGE 3

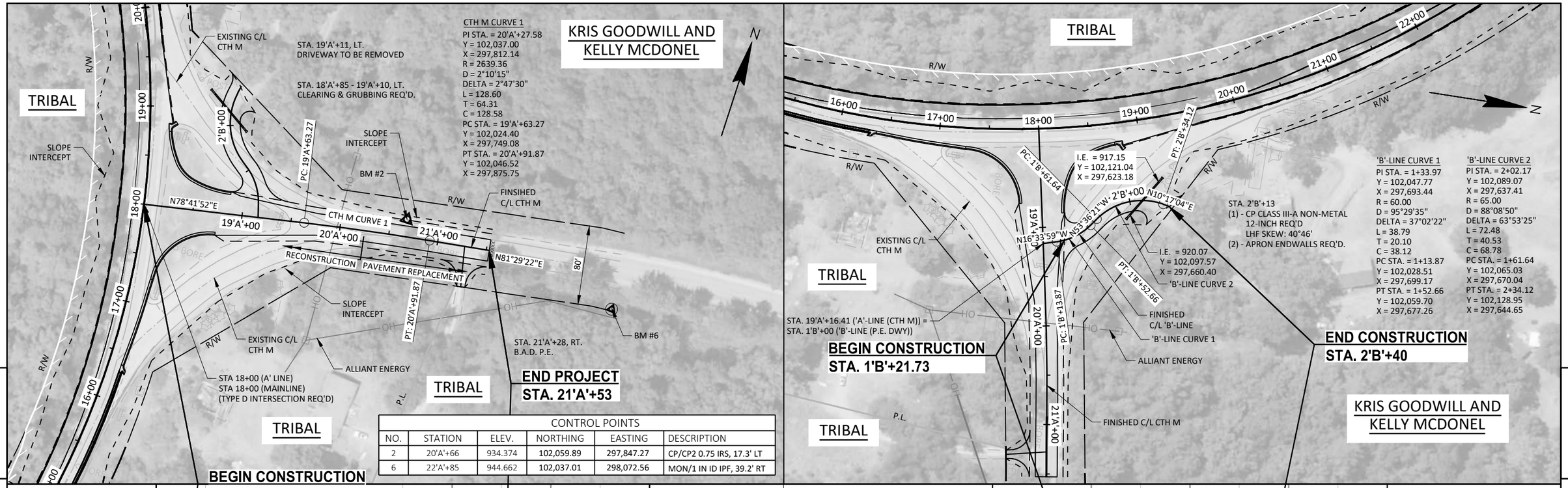
STATION - STATION	LOCATION	*CALENDAR DAY DURATION*	643.0300 TRAFFIC CONTROL DRUMS (COUNT)	643.0300 TRAFFIC CONTROL DRUMS (DAY)	643.0420 TRAFFIC CONTROL BARRICADES TYPE III (COUNT)	643.0420 TRAFFIC CONTROL BARRICADES TYPE III (DAY)	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A (COUNT)	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A (DAY)	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPEC C (COUNT)	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPEC C (DAY)	643.0900 TRAFFIC CONTROL SIGNS (COUNT)	643.0900 TRAFFIC CONTROL SIGNS (DAY)	643.3165 TEMPORARY MARKING LINE PAINT 6-INCH LOWER ASPHALT LAYER (LF)	643.3165 TEMPORARY MARKING LINE PAINT 6-INCH UPPER ASPHALT LAYER (LF)	643.3180 TEMPORARY MARKING LINE REMOVEABLE TAPE 6-INCH (LF)	643.3850 TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (LF)	643.3960 TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH (LF)	646.9002 MARKING REMOVAL LINE 6-INCH (LF)	SPV.0045.01 RESIDENTIAL DRIVEWAY TEMPORARY SIGNAL SYSTEM (COUNT)	SPV.0045.01 RESIDENTIAL DRIVEWAY TEMPORARY SIGNAL SYSTEM (DAY)	COMMENTS
-	STH 55, RT	*44*	-	-	-	-	-	-	-	-	1	44	-	-	-	-	-	-	-	-	(1) W20-1A
-	STH 55, RT	*44*	-	-	-	-	-	-	-	-	1	44	-	-	-	-	-	-	-	-	(1) W12-52; 11 FT.
-	STH 55, RT	*44*	-	-	-	-	-	-	-	-	1	44	-	-	-	-	-	-	-	-	(1) W20-4A
-	STH 55, RT	*44*	-	-	-	-	-	-	-	-	1	44	-	-	-	-	-	-	-	-	(1) WO3-3
-	STH 55, LT	*44*	-	-	-	-	-	-	-	-	2	88	-	-	-	-	-	-	-	-	(1 EA.) W03-3, G20-2A
10+50	STH 55, RT	*44*	-	-	-	-	-	-	-	-	1	44	-	-	-	-	-	-	-	-	(1) R10-6
10+50 - 27+50	STH 55, RT & LT	*44*	51	2,244	-	-	-	-	8	352	-	-	93	2,700	-	-	-	181	-	-	
10+96 - 11+20	STH 55, RT	*44*	-	-	2	88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12+26	STH 55, RT	*44*	-	-	2	88	4	176	-	-	1	44	-	-	-	-	-	-	-	-	(1) WO1-6
15+86	STH 55, LT	*44*	-	-	-	-	-	-	-	-	1	44	-	-	-	-	-	-	-	-	(1) J12-1: M1-5A, MO6-6R
18+75	STH 55, RT	*44*	-	-	1	44	-	-	-	-	1	44	-	-	-	-	-	-	-	-	(1) R11-2L
25+50	STH 55, RT	*44*	-	-	-	-	-	-	-	-	1	44	-	-	-	-	-	-	-	-	(1) WO1-4R
27+50	STH 55, LT	*44*	-	-	-	-	-	-	-	-	1	44	-	-	-	-	-	-	-	-	(1) R10-6
-	STH 55, RT	*44*	-	-	-	-	-	-	-	-	2	88	-	-	-	-	-	-	-	-	(1 EA.) W03-3, G20-2A
-	STH 55, LT	*44*	-	-	-	-	-	-	-	-	1	44	-	-	-	-	-	-	-	-	(1) WO3-3
-	STH 55, LT	*44*	-	-	-	-	-	-	-	-	1	44	-	-	-	-	-	-	-	-	(1) W20-4A
-	STH 55, LT	*44*	-	-	-	-	-	-	-	-	1	44	-	-	-	-	-	-	-	-	(1) W12-52; 11 FT.
-	STH 55, LT	*44*	-	-	-	-	-	-	-	-	1	44	-	-	-	-	-	-	-	-	(1) W20-1A
18'A'+15 - 19'A'+42	CTH M, LT & RT	*44*	20	880	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
18'A'+25 - 21'A'+53	CTH M	*44*	-	-	-	-	-	-	-	-	-	-	-	328	-	-	-	-	-	-	
19'A'+00	CTH M, LT	*44*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	44	
19'A'+60 - 20'A'+45	CTH M, LT & RT	*44*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	131	-	-	
21'A'+25	CTH M, LT	*44*	5	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	44	
23'A'+00	CTH M, LT	*44*	-	-	-	-	-	-	-	-	1	44	-	-	-	-	-	-	-	-	(1) R10-6
-	CTH M, RT	*44*	-	-	-	-	-	-	-	-	2	88	-	-	-	-	-	-	-	-	(1 EA.) G20-2A, WO3-3
-	CTH M, LT	*44*	-	-	-	-	-	-	-	-	1	44	-	-	-	-	-	-	-	-	(1) WO3-3
-	CTH M, LT	*44*	-	-	-	-	-	-	-	-	1	44	-	-	-	-	-	-	-	-	(1) W20-4A
-	CTH M, LT	*44*	-	-	-	-	-	-	-	-	1	44	-	-	-	-	-	-	-	-	(1) W12-52; 11 FT.
-	CTH M, LT	*44*	-	-	-	-	-	-	-	-	1	44	-	-	-	-	-	-	-	-	(1) W20-1A
STAGE 3 SUBTOTALS =			3,344		220		176		352		1,100		93	3,028	0	0	0	312	88		
PROJECT TOTALS =			7,594		620		276		752		2,436		10,474		310	66	600	4,228	188		



CONTROL POINTS					
NO.	STATION	ELEV.	NORTHING	EASTING	DESCRIPTION
1	11+65	898.236	101,392.10	297,468.63	CP/CP1 0.75 IRS, 49' LT
4	13+89	916.216	101,576.59	297,617.75	MON/1 IN ID IPF, 49.7' RT
3	21+14	912.005	102,274.47	207,461.82	CP/CP3 0.75 IRS, 15.4' LT
5	23+66	908.616	102,506.41	297,351.89	MON/1 IN ID IPF-TYP RWGP, 49.3' RT



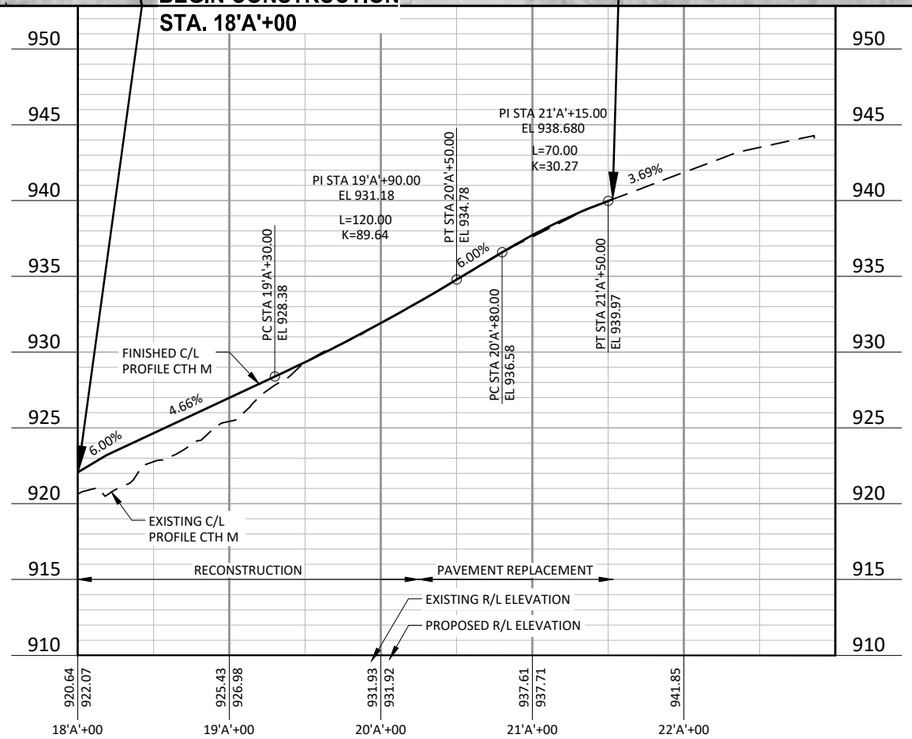
PROJECT NO: 9660-01-74	HWY: CTH M	COUNTY: MENOMINEE	PLAN AND PROFILE: STH 55 (MAINLINE)	SHEET 37	E

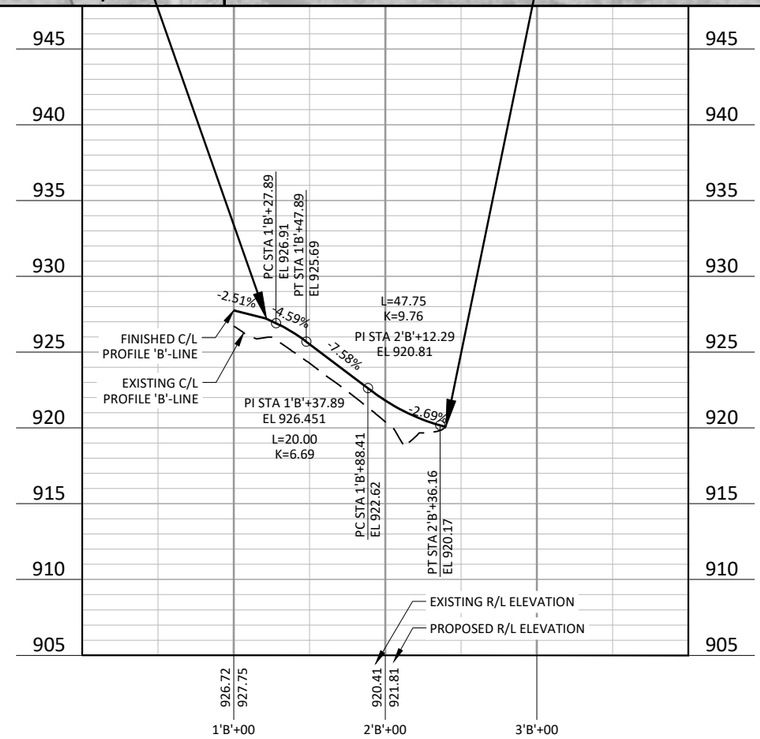


CONTROL POINTS					
NO.	STATION	ELEV.	NORTHING	EASTING	DESCRIPTION
2	20'A'+66	934.374	102,059.89	297,847.27	CP/CP2 0.75 IRS, 17.3' LT
6	22'A'+85	944.662	102,037.01	298,072.56	MON/1 IN ID IPF, 39.2' RT

EARTHWORK SUMMARY

SEE MISCELLANEOUS QUANTITIES SHEET FOR EARTHWORK SUMMARY



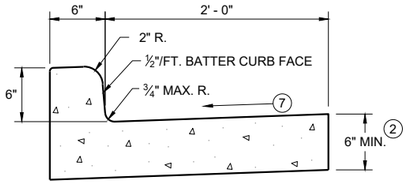


PROJECT NO: 9660-01-74	HWY: CTH M	COUNTY: MENOMINEE	PLAN AND PROFILE: CTH M (A - LINE) AND B-LINE DRIVEWAY	SHEET 38	E

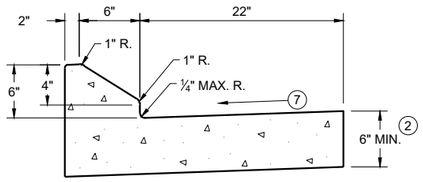
Standard Detail Drawing List

08D01-24A	CONCRETE CURB AND GUTTER
08D01-24B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D04-07	CONCRETE SURFACE DRAINS AND ASPHALTIC FLUMES
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E15-01	CULVERT PIPE CHECK
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F02-01	APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
13C19-03	HMA LONGITUDINAL JOINTS
14B29-01	SAFETY EDGE
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-10F	ADVANCED WIDTH RESTRICTION SIGNING
15C07-16C	PAVEMENT MARKING ARROWS
15C08-24A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C08-24B	TEMPORARY LONGITUDINAL PAVEMENT MARKING
15C08-24D	PAVEMENT MARKING (TURN LANES)
15C11-11B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C12-09B	TRAFFIC CONTROL, LANE CLOSURE WITH AUTOMATED FLAGGER ASSISTANCE DEVICE
15C18-09A	MEDIAN ISLAND PAVEMENT MARKINGS
15C19-11A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C33-05	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-06A	PAVEMENT MARKING (INTERSECTIONS)
15C35-06C	PAVEMENT MARKING AND SIGNING (CLIMBING LANE & PASSING LANE)
15D28-06	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D51-02	TRAFFIC CONTROL, MOBILE OPERATIONS ON AN UNDIVIDED ROADWAY

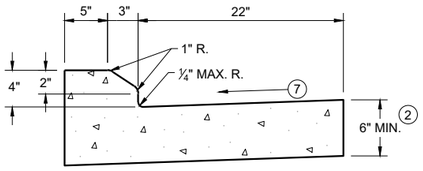
6



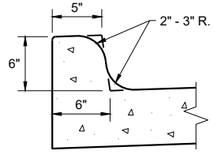
TYPES A (1) & D



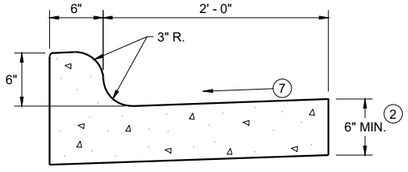
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

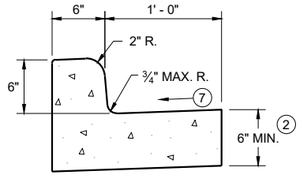


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



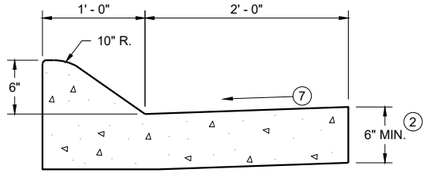
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

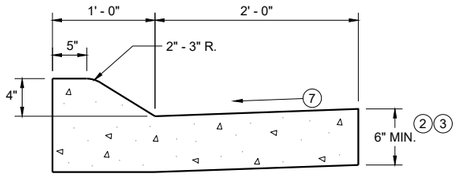


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

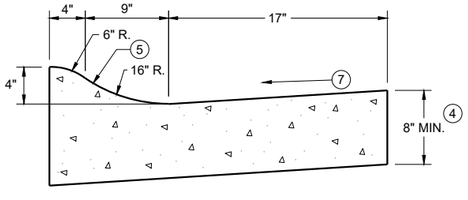


6" SLOPED CURB TYPES A (1) & D



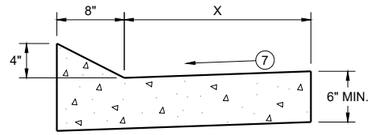
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T
CONCRETE CURB AND GUTTER 30"

TBT & TBTT	X
30"	22"
36"	28"

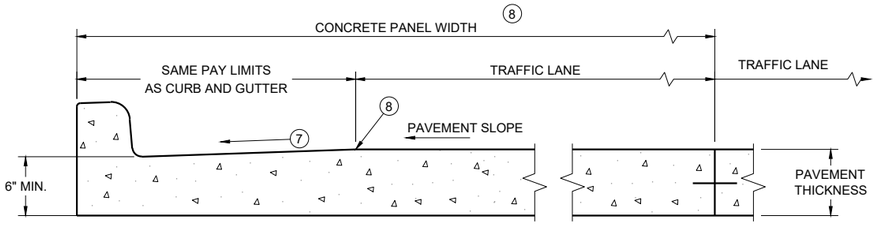


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

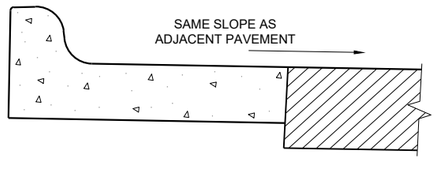
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

PAVEMENT THICKNESS	MAXIMUM PANEL WIDTH
LESS THAN 10"	12'
10" & ABOVE	15'



PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB AND GUTTER *

* BIKE LANE IS NOT SHOWN



REVERSE SLOPE GUTTER (6)
(TYPICAL FOR ALL CURB & GUTTER TYPES)

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB AND GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB AND GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(3) USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.

(4) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

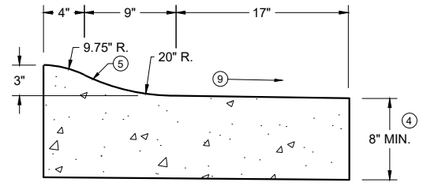
(5) UNLESS OTHERWISE NOTED, FOR STAKING PURPOSES THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

(6) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.

(7) USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.

(8) INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

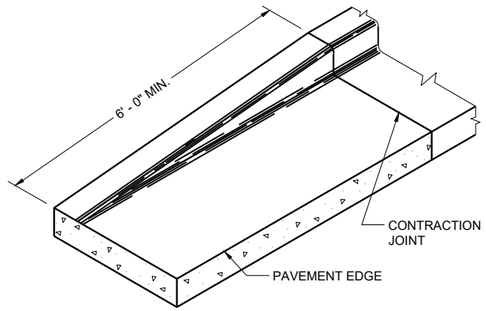
(9) SLOPE TO BE REVERSE SLOPE MATCHING THE SLOPE OF THE PAVEMENT AND THE CIRCULATORY ROADWAY



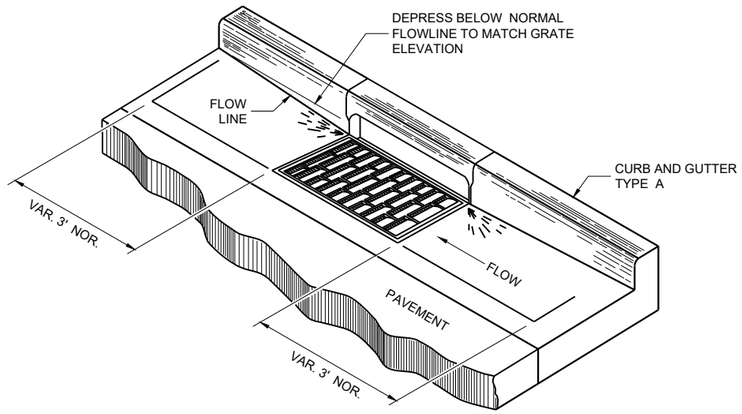
3" SLOPED CURB TYPES R (1) & T

CONCRETE CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



END SECTION CURB AND GUTTER



DETAIL OF CURB AND GUTTER AT INLETS

(TYPICAL H INLET COVER SHOWN)

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

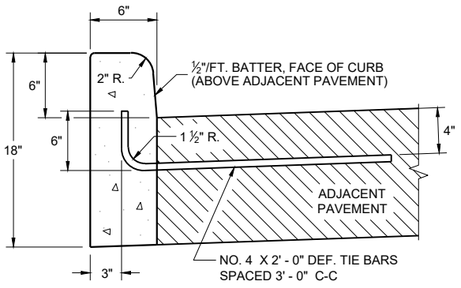
UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

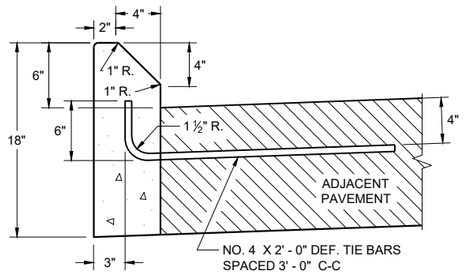
(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(10) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.

(11) PLACE 1" THICK EXPANSION JOINT MATERIAL BETWEEN VERTICAL FACE CURB TYPES EXTENDING FROM THE TOP OF CURB TO 1 INCH BELOW THE ADJOINING CONCRETE SURFACE. RIGID CONCRETE STRUCTURES INCLUDE RAISED CONCRETE MEDIANS, CONCRETE SAFETY ISLANDS, SPLITTER ISLANDS, OR LOCATIONS IDENTIFIED ON THE PLANS.

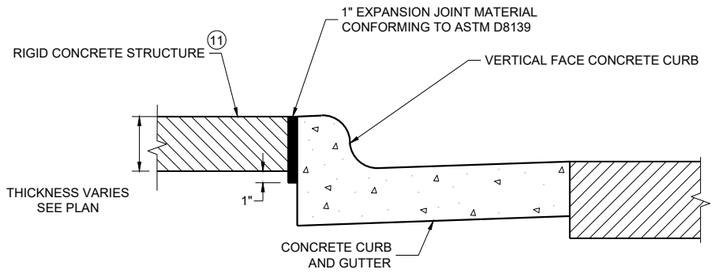


TYPES A (1) & D

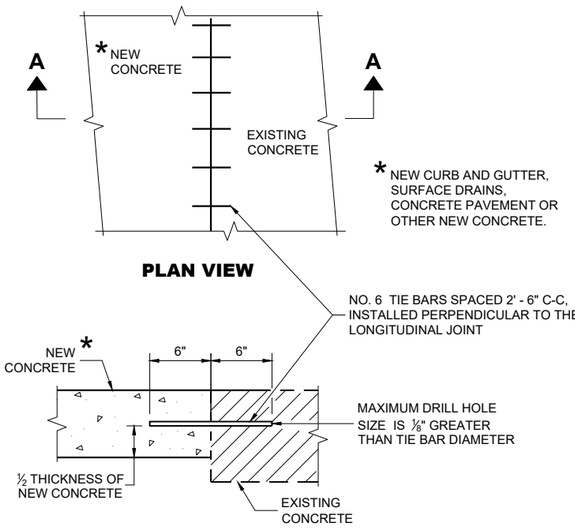


TYPES G (1) & J

CONCRETE CURB



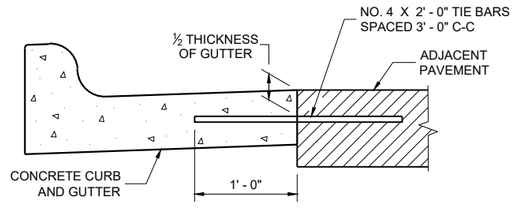
EXPANSION JOINT DETAIL FOR VERTICAL CURB ABUTTING A RIGID STRUCTURE (11)



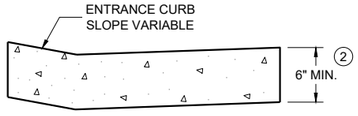
PLAN VIEW

SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT



TYPICAL TIE BAR LOCATION (1)



DRIVEWAY ENTRANCE CURB (10)

(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

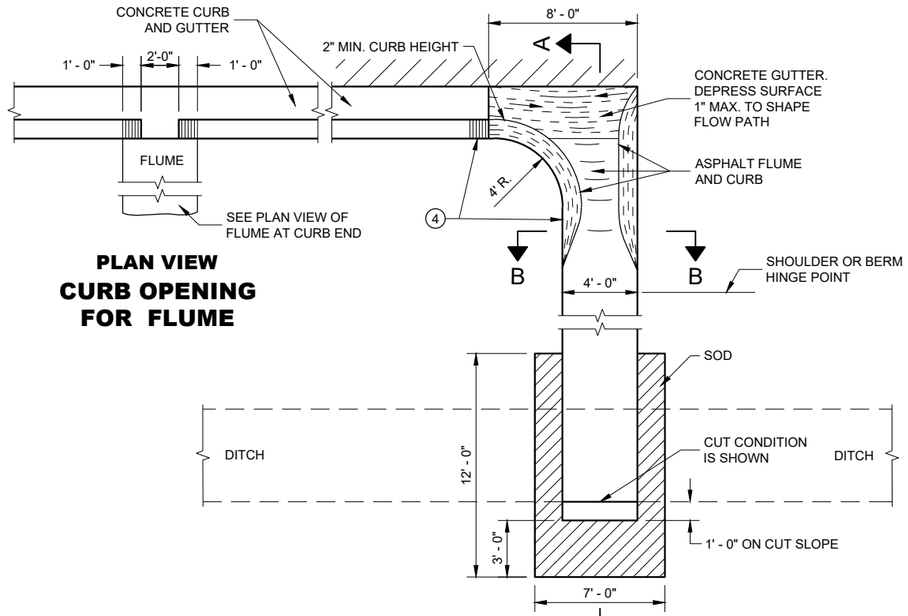
APPROVED
February 2025 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

6
SDD 08D01-24b

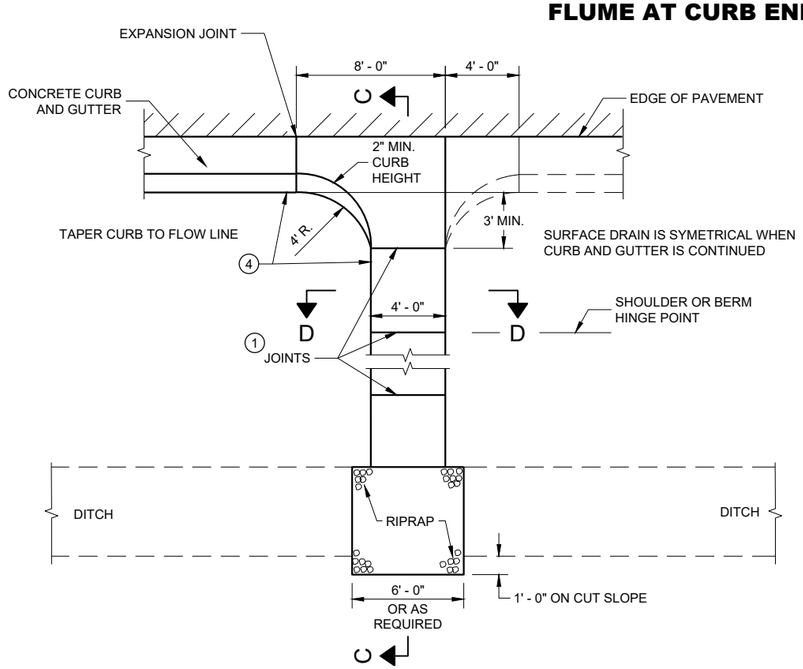
NOTE: TAPER CURB ENDS TO GUTTER IN 1' - 0"

ASPHALTIC FLUME



PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



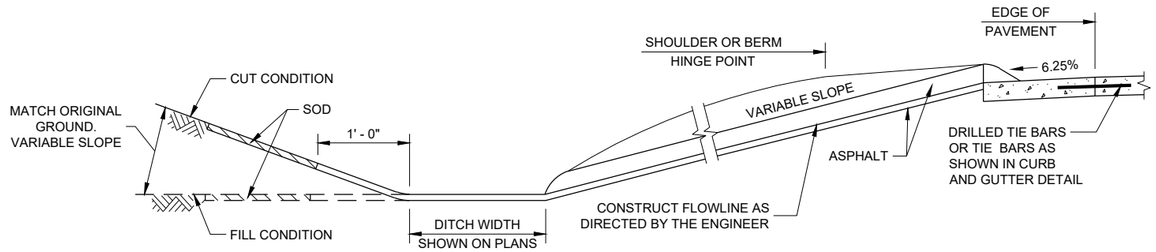
PLAN VIEW
CONCRETE SURFACE DRAIN

GENERAL NOTES

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

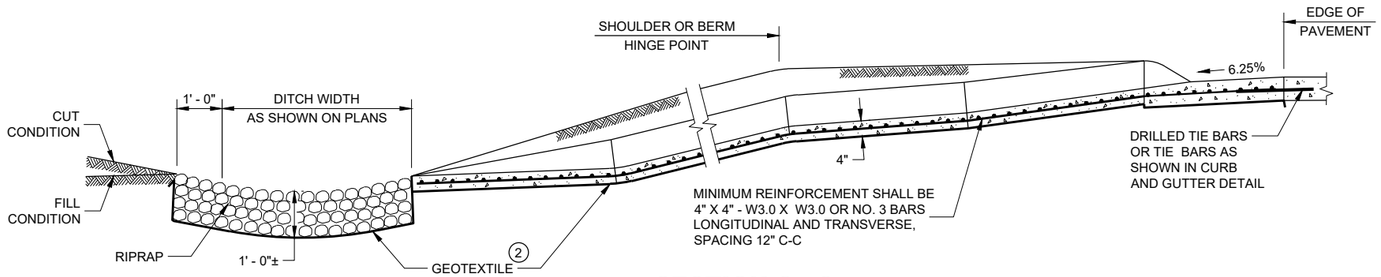
4" X 4" - W3.0 X W3.0 CONCRETE REINFORCEMENT SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

1. JOINTS SHALL BE ⅛" TO ¼" WIDE BY 1½" DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.
2. GEOTEXTILE TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.
3. CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED.
4. ANGLE OF FLUME IN RELATION TO BACK OF CURB TO BE CONSTRUCTED PER THE PLAN DETAILS OR AS DIRECTED BY THE ENGINEER. ANGLE OF FLUME MAY BE OTHER THAN 90 DEGREES AS SHOWN.

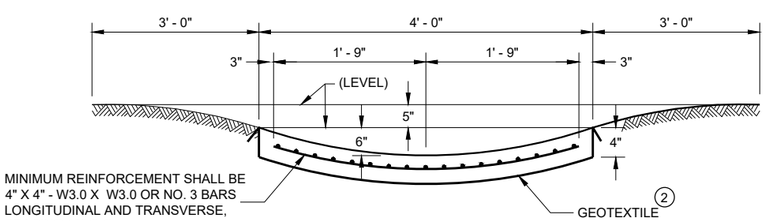


SECTION A - A

SECTION B - B



SECTION C - C



SECTION D - D

CONCRETE SURFACE DRAINS AND ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

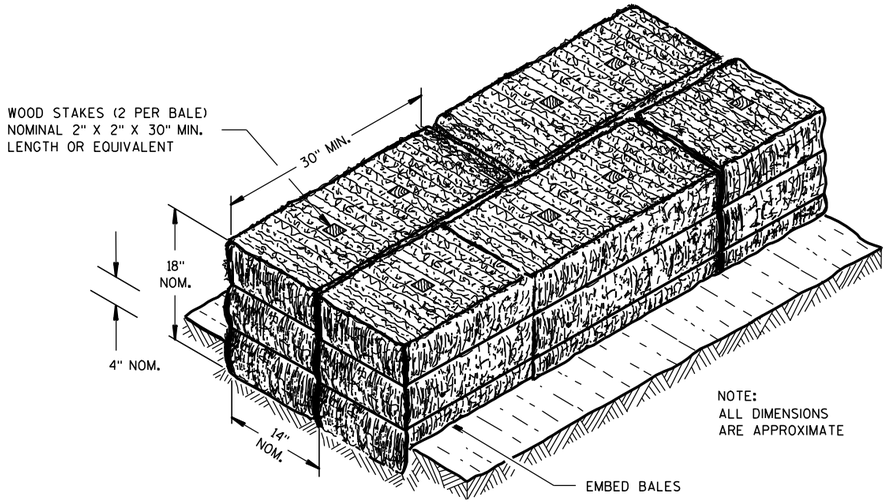
FHWA

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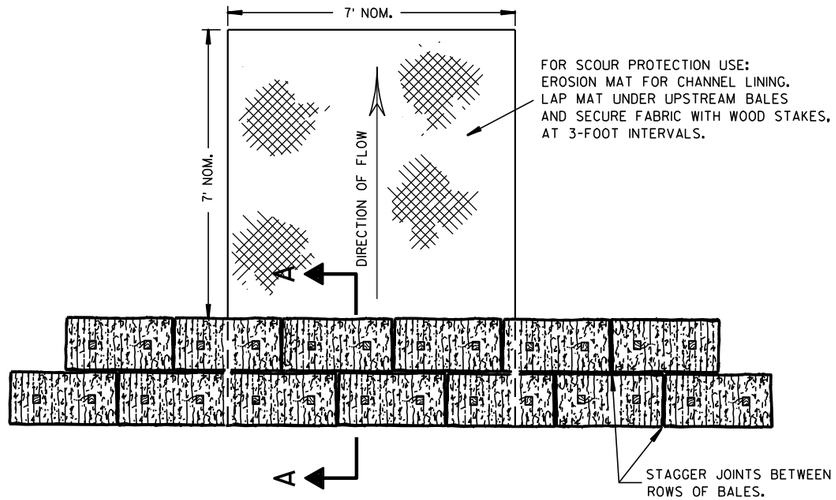
SDD 08D04 - 07

6

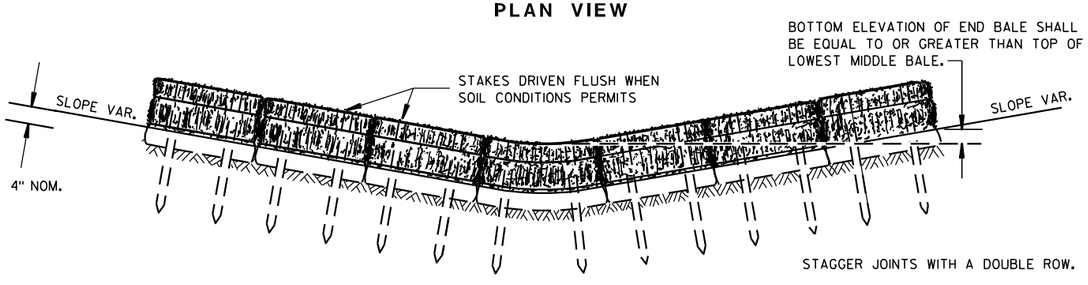
SDD 08D04 - 07



SECTION A-A



PLAN VIEW



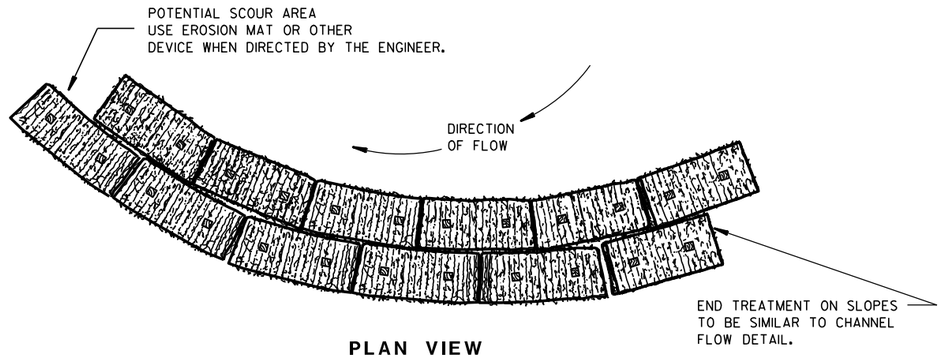
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

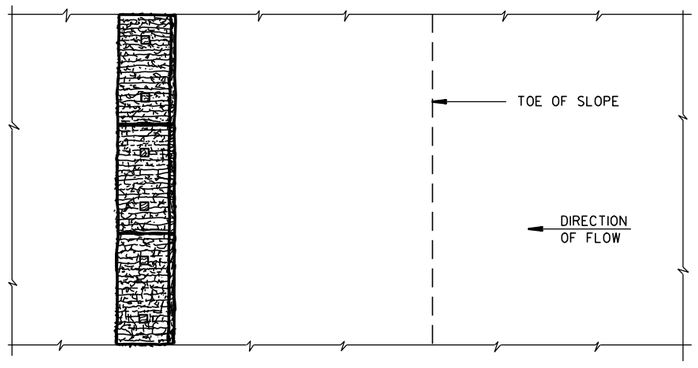
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

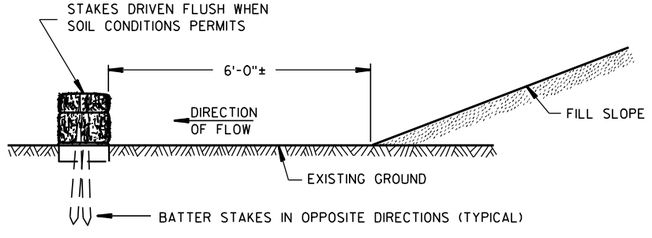


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

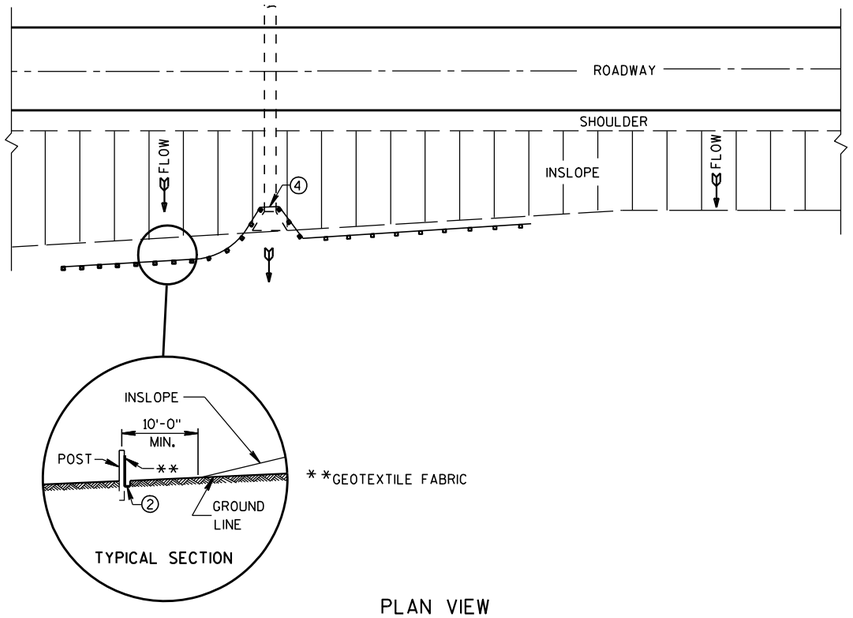
TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

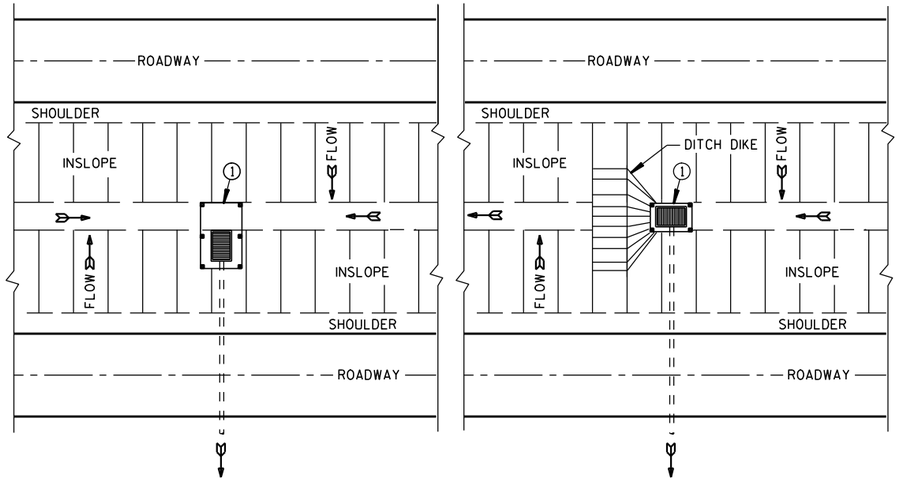
6/04/02 DATE — /S/ Beth Cannestra — CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



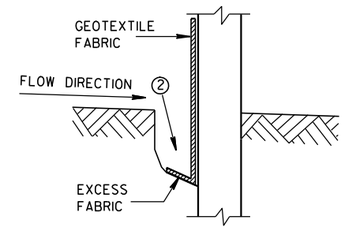
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

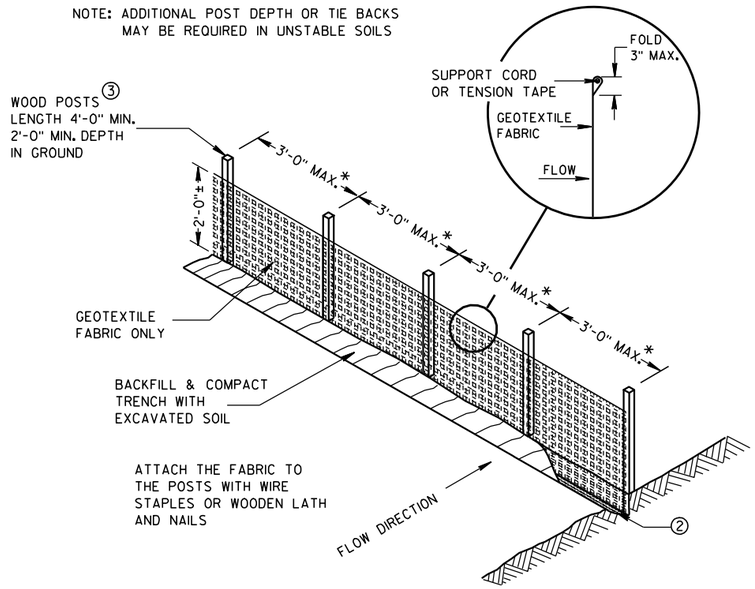
GENERAL NOTES

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

1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.

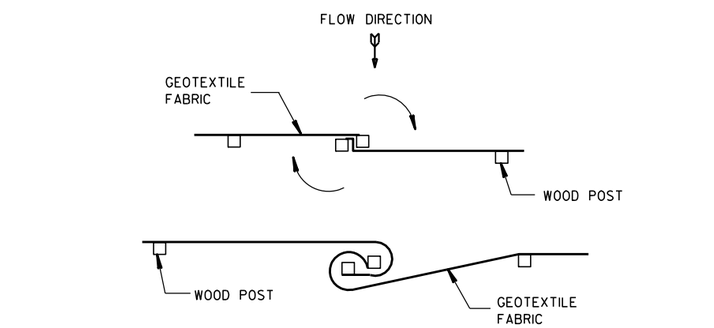


TRENCH DETAIL

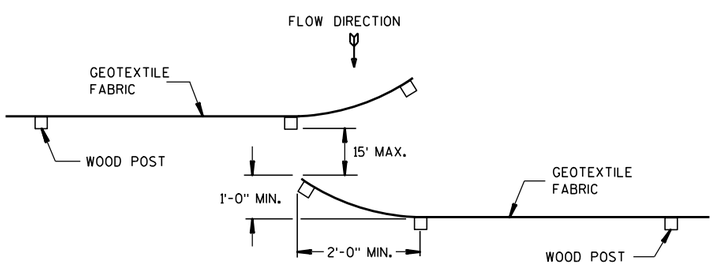


*NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

SILT FENCE

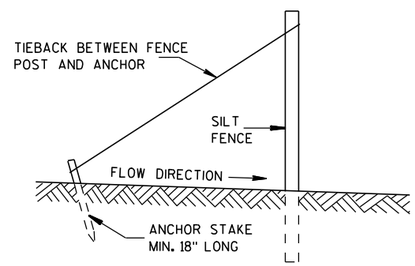


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

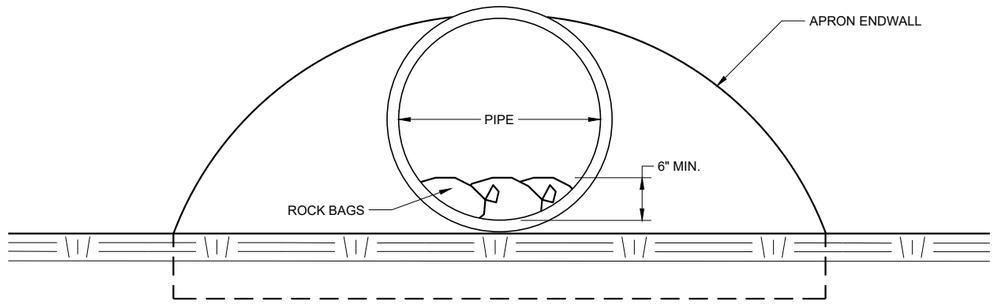
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

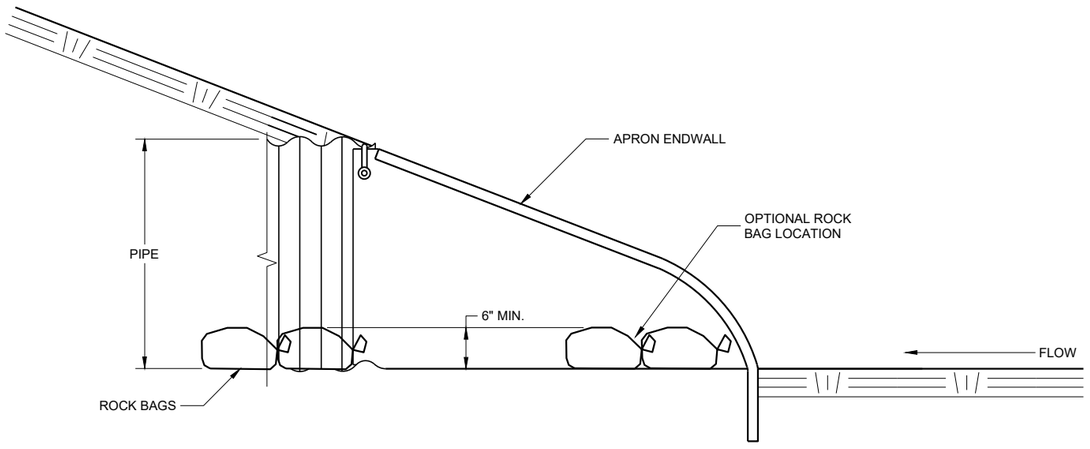
S.D.D. 8 E 9-6

6

S.D.D. 8 E 9-6



END VIEW



SIDE VIEW

CULVERT PIPE CHECK

(INSTALL ON INLET END ONLY)

CULVERT PIPE CHECK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

/S/ Daniel Schave
EROSION CONTROL ENGI

FHWA

6

SDD 08E15 - 01

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SDD 08E15 - 01

METAL APRON ENDWALLS

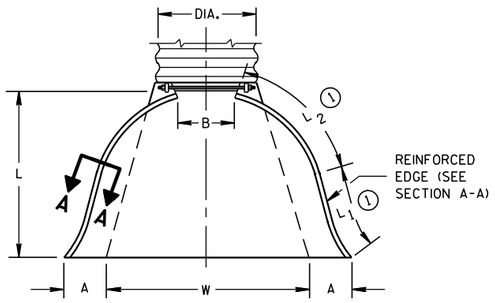
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

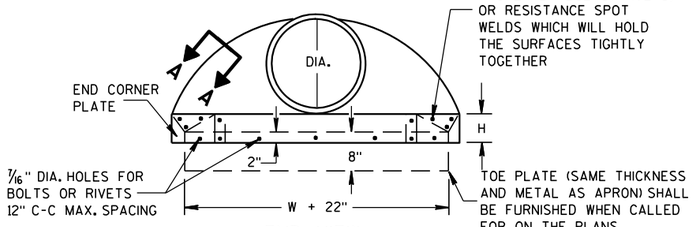
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - ** 30	* 72 - ** 78	* 21 - ** 27	99	102	5 1/2	2 to 1
72	7	* 24 - ** 36	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - ** 36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

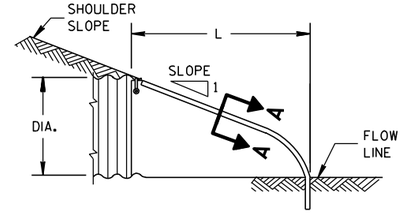
*MINIMUM
**MAXIMUM



PLAN VIEW

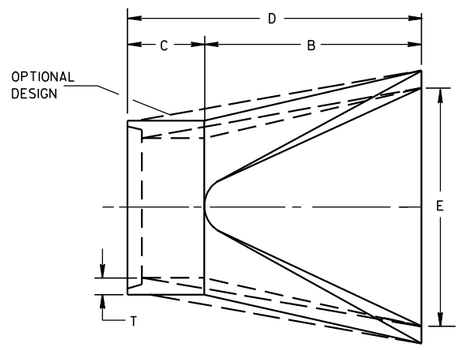


END VIEW

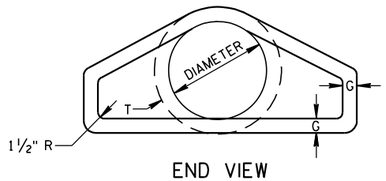


SIDE ELEVATION

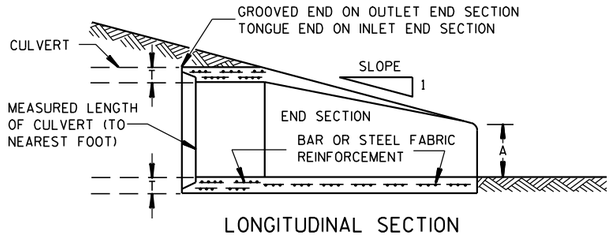
METAL ENDWALLS



PLAN

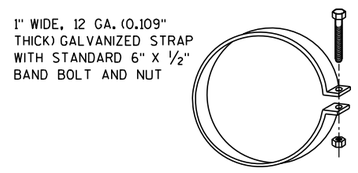


END VIEW



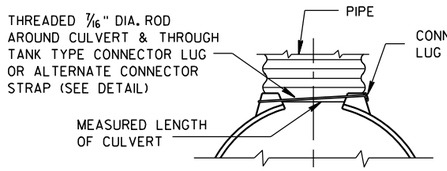
LONGITUDINAL SECTION

CONCRETE ENDWALLS

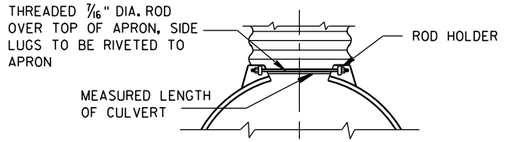


ALTERNATE FOR TYPE 1 CONNECTION

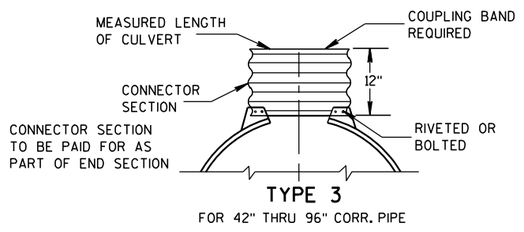
END SECTION CONNECTOR STRAP



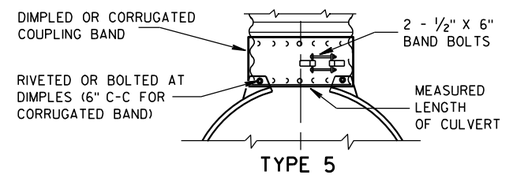
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

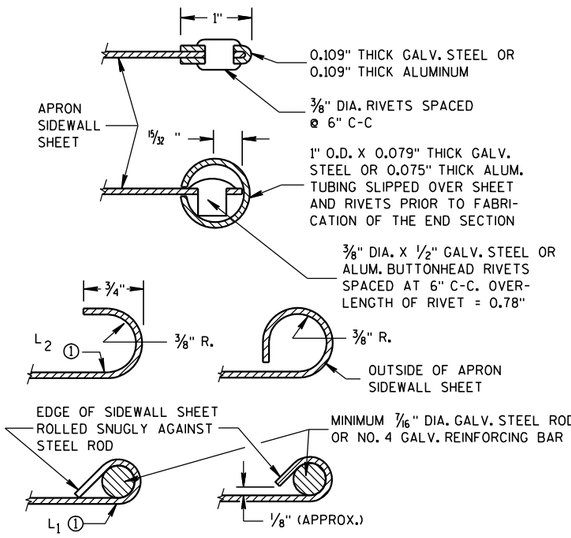
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

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

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

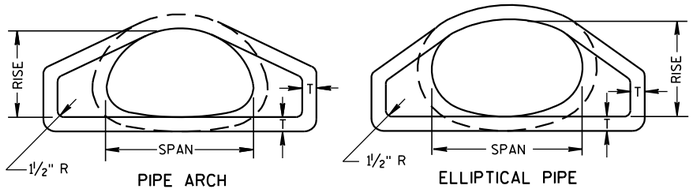
APRON ENDWALLS FOR CULVERT PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

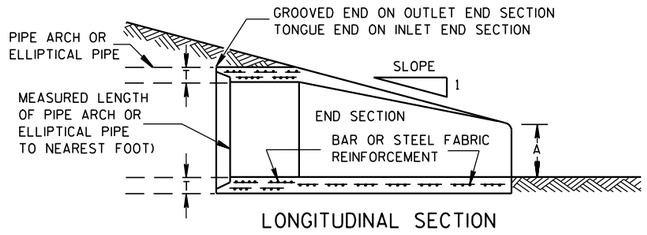
APPROVED
11/30/94 — DATE
/S/ Rory L. Rhinesmith — CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

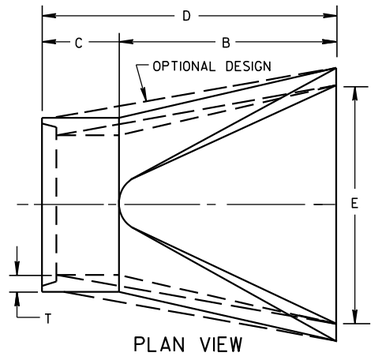
S.D.D. 8 F 1-11



END VIEW

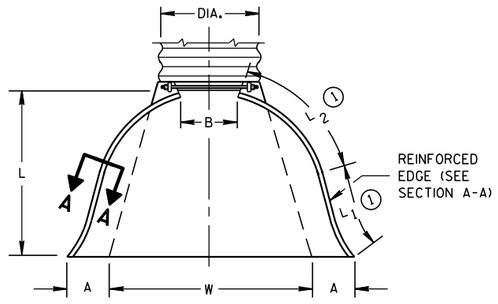


LONGITUDINAL SECTION

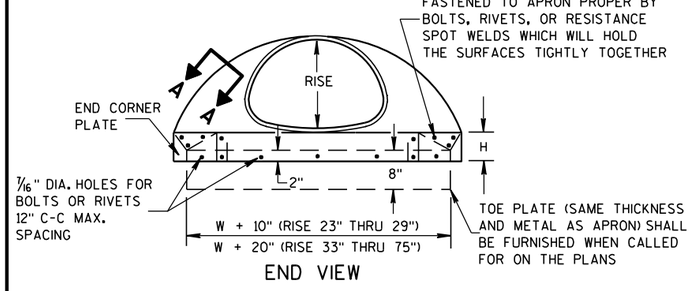


PLAN VIEW

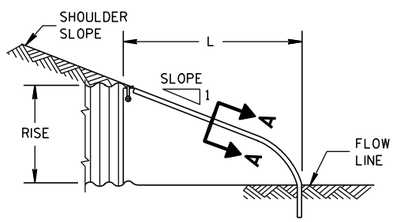
CONCRETE ENDWALLS



PLAN VIEW



END VIEW



SIDE ELEVATION

METAL ENDWALLS

SECTION A-A

2- 2/3" X 1/2" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
15	17	13	.064	.060	7	9	6	19	14	16	30	2½ to 1	1 Pc.
18	21	15	.064	.060	7	10	6	23	14	19⅜	36	2½ to 1	1 Pc.
21	24	18	.064	.060	8	12	6	28	18	21¾	42	2½ to 1	1 Pc.
24	28	20	.064	.060	9	14	6	32	18	27½	48	2½ to 1	1 Pc.
30	35	24	.079	.075	10	16	6	39	18	37⅝	60	2½ to 1	1 Pc.
36	42	29	.079	.075	12	18	8	46	24	45⅜	75	2½ to 1	1 Pc.
42	49	33	.109	.105	13	21	9	53	24	54¾	85	2½ to 1	2 Pc.
48	57	38	.109	.105	18	26	12	63	24	68	90	2½ to 1	3 Pc.
54	64	43	.109	.105	18	30	12	70	24	72¾	102	2¼ to 1	3 Pc.
60	71	47	.109*	.105*	18	33	12	77	30	82¼	114	2¼ to 1	3 Pc.
66	77	52	.109*	.105*	18	36	12	77	—	—	126	2 to 1	3 Pc.
72	83	57	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.

3" X 1" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
48	53	41	.109	.105	18	26	12	63	24	72¾	90	2½ to 1	2 Pc.
54	60	46	.109	.105	18	30	12	70	30	82¼	102	2 to 1	2 Pc.
60	66	51	.109*	.105*	18	33	12	77	—	—	114	1½ to 1	3 Pc.
66	73	55	.109*	.105*	18	36	12	77	—	—	126	1½ to 1	3 Pc.
72	81	59	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.
78	87	63	.109*	.105*	22	38	12	77	—	—	148	1½ to 1	3 Pc.
84	95	67	.109*	.105*	22	34	12	77	—	—	162	1½ to 1	3 Pc.
90	103	71	.109*	.105*	22	38	12	77	—	—	174	1½ to 1	3 Pc.
96	112	75	.109*	.105*	24	40	12	77	—	—	174	1½ to 1	3 Pc.

NOTE: ALL SPLICES TO BE LAP RIVETED OR BOLTED.

* EXCEPT CENTER PANEL SEE GENERAL NOTES

REINFORCED CONCRETE PIPE ARCH

EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	29	18	3	8½	39	33	72	48	3 to 1
30	36	22	3½	9½	50	46	96	60	3 to 1
36	44	27	4	11⅛	60	36	96	72	3 to 1
42	51	31	4½	15 13/16	60	36	96	78	3 to 1
48	58	36	5	21	60	36	96	84	3 to 1
54	65	40	5½	25½	60	36	96	90	3 to 1
60	73	45	6	31	60	36	96	96	3 to 1
72	88	54	7	31	60	39	99	120	2 to 1
84	102	62	8	28½	83	19	102	144	2 to 1

REINFORCED CONCRETE ELLIPTICAL PIPE

EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	30	19	3¼	8½	39	33	72	48	3 to 1
30	38	24	3¾	9½	54	18	72	60	3 to 1
36	45	29	4½	11⅛	60	24	84	72	2½ to 1
42	53	34	5	15¾	60	36	96	78	2½ to 1
48	60	38	5½	21	60	36	96	84	2½ to 1
54	68	43	6	25½	60	36	96	90	2½ to 1
60	76	48	6½	30	60	36	96	96	2½ to 1

**NOMINAL SIZE

GENERAL NOTES

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

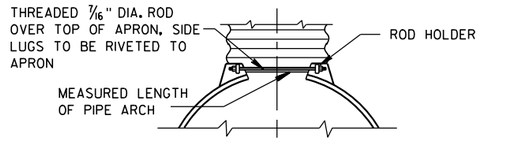
CONCRETE APRON ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM APRON ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE ARCH PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 77" X 52" THROUGH 112" X 75" APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

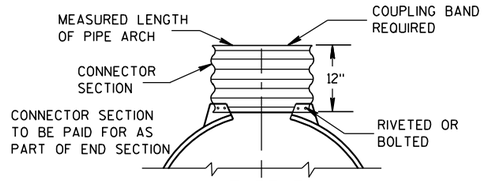
WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

① FOR PIPE ARCH SIZES UP TO 73" X 55" A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.



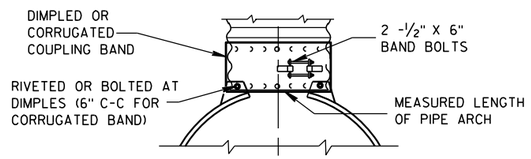
TYPE 2

FOR 17" X 13" THRU 112" X 75" PIPE ARCH



TYPE 3

FOR 64" X 43" THRU 112" X 75" PIPE ARCH



TYPE 5

ALTERNATE FOR:

ALL SIZES CORRUGATED PIPE ARCHES

NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL, AND CORRUGATED BAND FITS INSIDE ENDWALL.

CONNECTION DETAILS

APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

11/30/94 — DATE

/S/ Rory L. Rhinesmith — CHIEF ROADWAY DEVELOPMENT ENGINEER

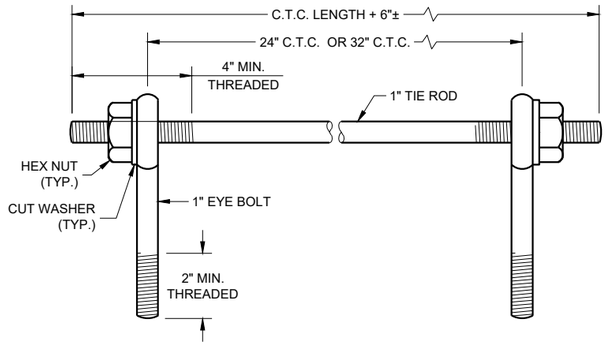
FHWA

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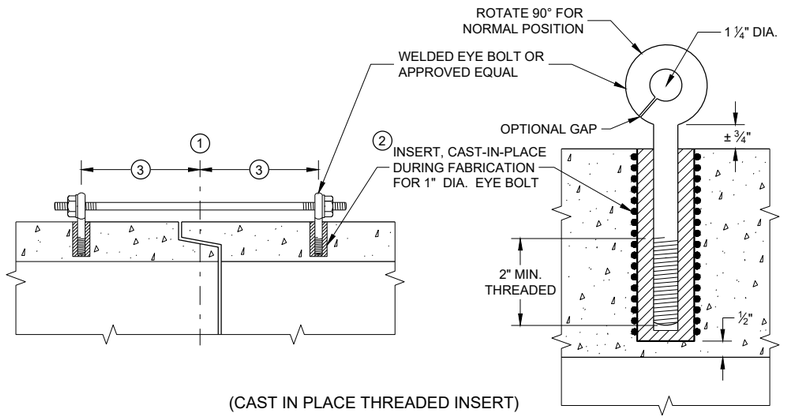
S.D.D. 8 F 2-1

6

S.D.D. 8 F 2-1



EYE BOLTS AND TIE ROD



(CAST IN PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

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

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

(1) CENTER LINE OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

(2) THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

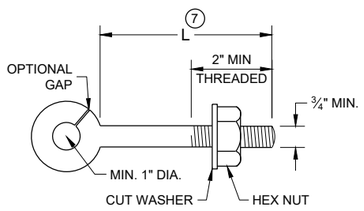
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

(4) BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

(5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.

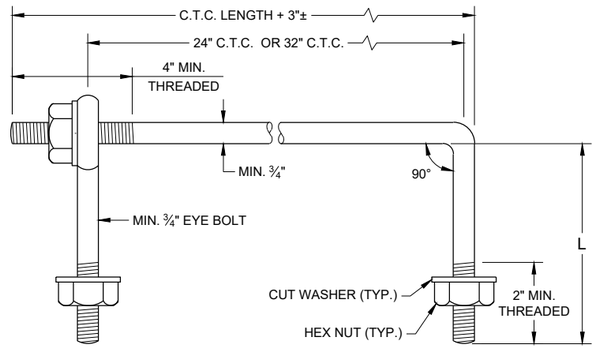
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

(7) EYE BOLT LENGTH DETERMINED BY WALL THICKNESS, BELL THICKNESS AND BOLT PROJECTION INSIDE PIPE.

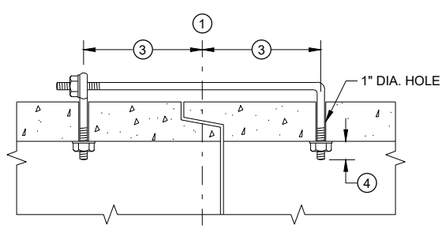


EYE BOLT (7)

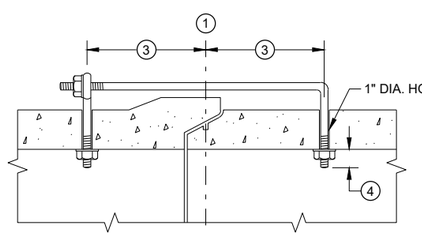
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

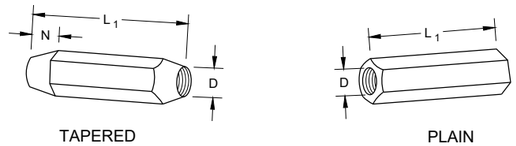
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

ADJUSTABLE TIE ROD TABLE

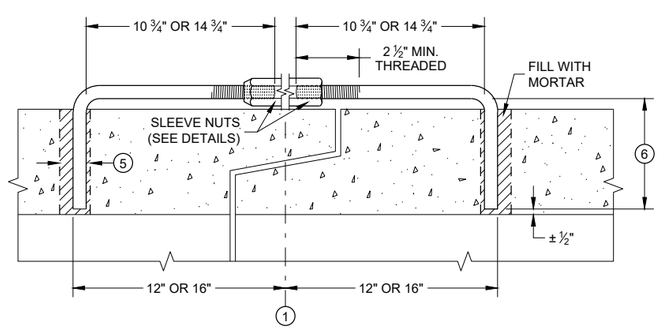
PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12 - 60	⅝	⅝	5	½
66 - 84	¾	¾	5	½
90 - 144	1	1	7	1 7/16

DIMENSIONS SHOWN ARE IN INCHES



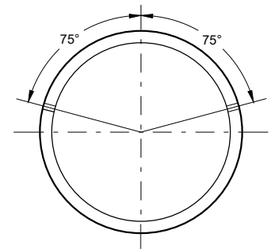
RIGHT AND LEFT THREADS

SLEEVE NUTS



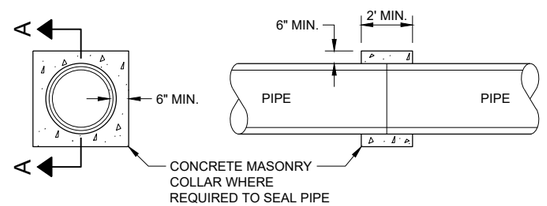
LONGITUDINAL SECTION

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A - A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

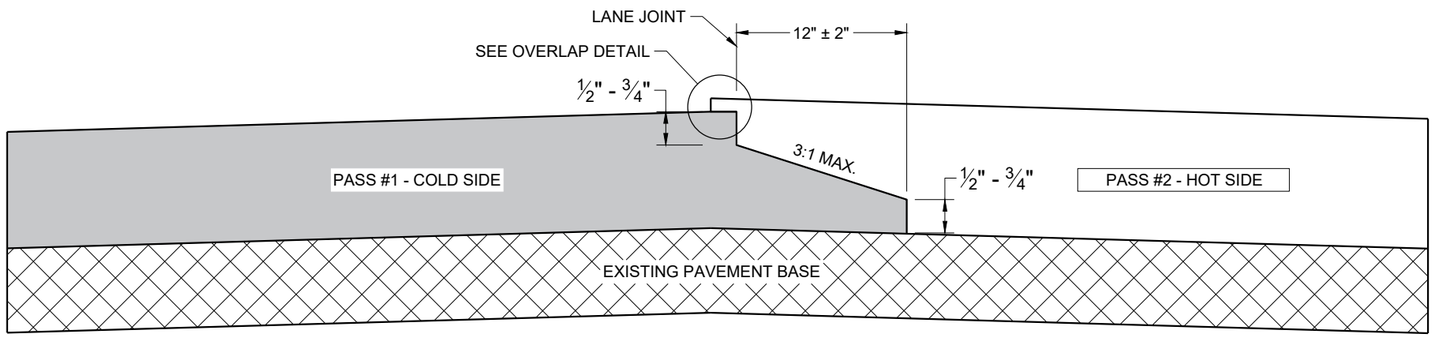
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER

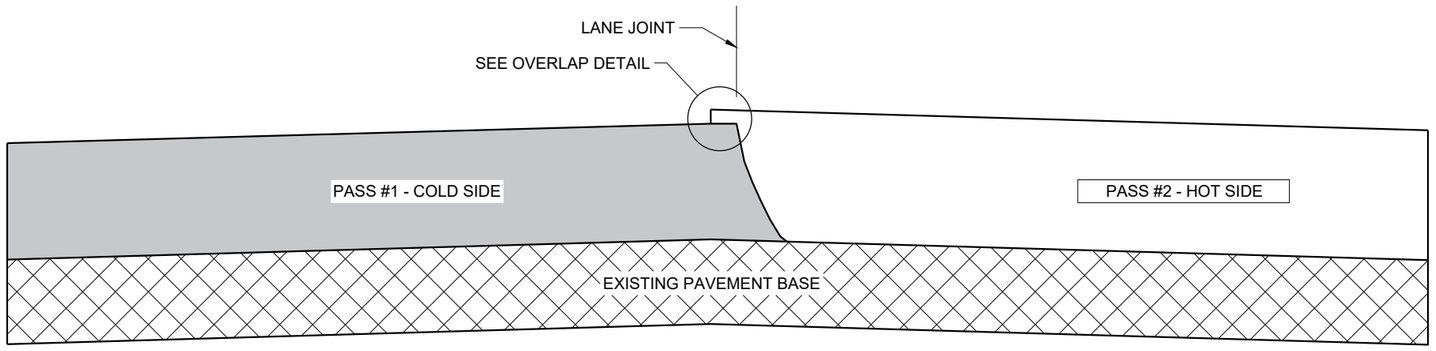
FHWA

SDD 08F04 - 08

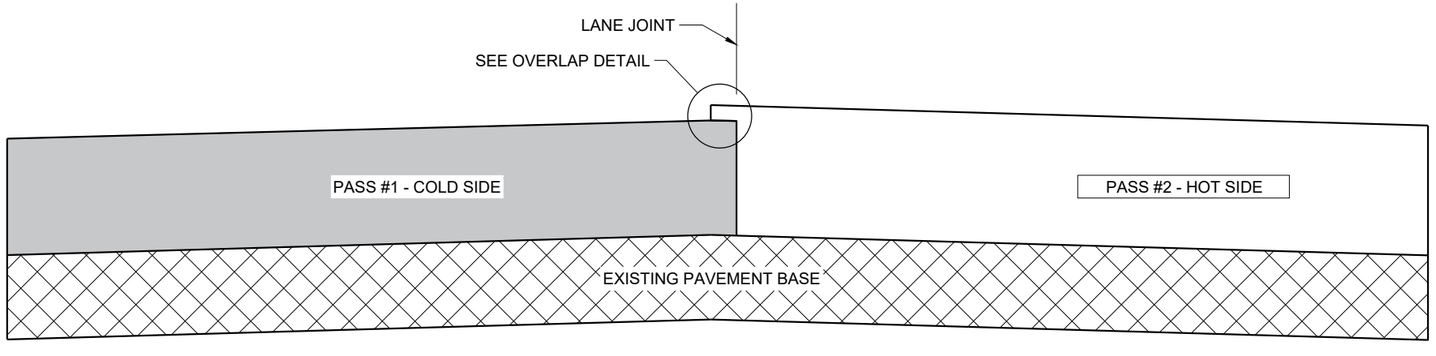
SDD 08F04 - 08



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

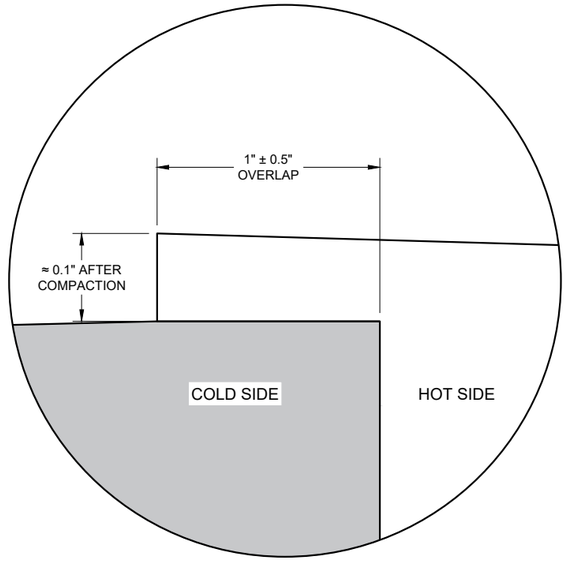
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

FOR ALL LONGITUDINAL JOINTS, ENSURE THE PAVER SCREED OVERLAPS THE PREVIOUSLY PLACED PAVEMENT BY 1" ± 0.5" AND THE HOT SIDE OF THE JOINT REMAINS HIGHER THAN THE COLD SIDE BY APPROXIMATELY 0.1" AFTER FINAL COMPACTION. (IT WILL BE FLUSH WHEN PAVING IN ECHELON.)

ONLY REMOVE THE LONGITUDINAL NOTCHED WEDGE JOINT FOR SMA PAVEMENT OR AS DIRECTED BY THE ENGINEER TO ADDRESS SPECIFIC LENGTHS OF JOINT DAMAGED BY TRAFFIC.

WHEN MILLING BACK OR REMOVING ANY LONGITUDINAL JOINT, LIMIT THE MATERIAL REMOVED TO 2" FROM THE TOP NOTCH OR FROM THE VERTICAL JOINT EDGE ON THE COLD SIDE OF THE JOINT.

USE LONGITUDINAL MILLED JOINT AS PLANS SHOW OR THE AS THE ENGINEER DIRECTS.



OVERLAP DETAIL (TYPICAL)

HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2020
DATE

/S/ Steven Hefel
HMA PAVEMENT ENGIN

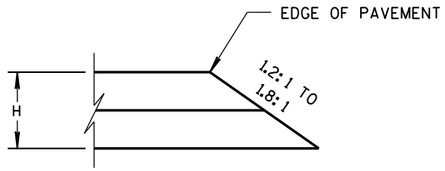
FHWA

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SDD 13C19 - 03

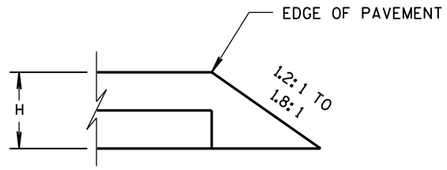
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SDD 13C19 - 03



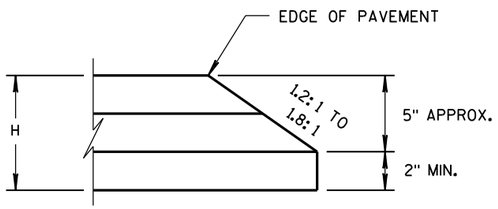
CONSTRUCTED WITH FINAL TWO LAYERS

FOR H 5" OR LESS



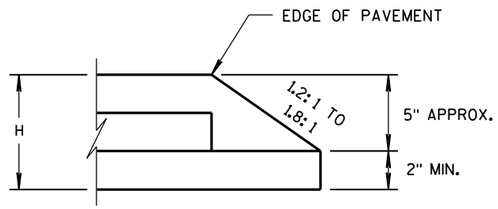
CONSTRUCTED WITH FINAL LAYER

FOR H 5" OR LESS



CONSTRUCTED WITH FINAL TWO LAYERS

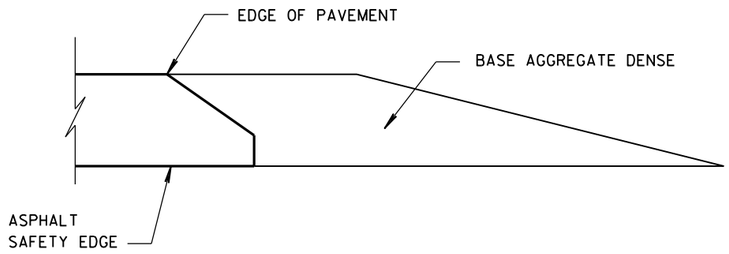
FOR H GREATER THAN 5"



CONSTRUCTED WITH FINAL LAYER

FOR H GREATER THAN 5"

HMA PAVEMENT AND HMA OVERLAYS



FINISHED SHOULDER AGGREGATE PLACEMENT

6

6

S.D.D. 14 B 29-1

S.D.D. 14 B 29-1

SAFETY EDGE SM

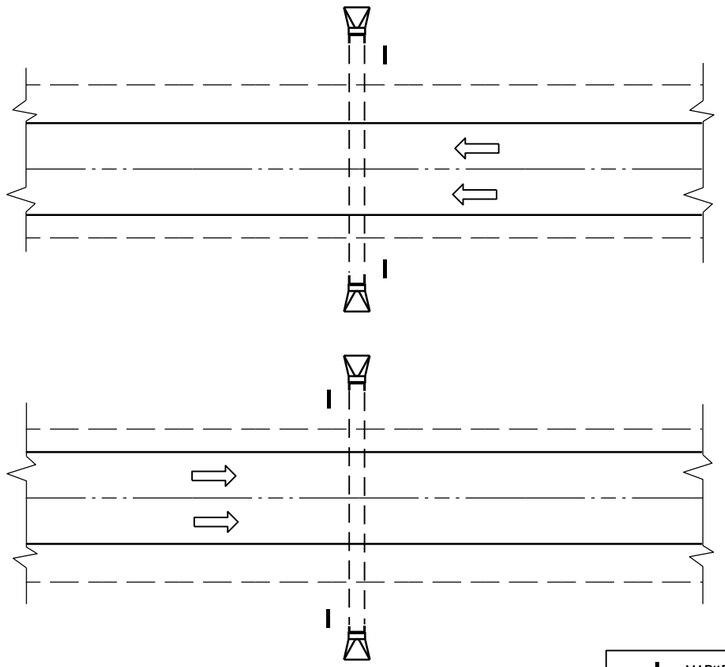
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

11/30/2012
DATE

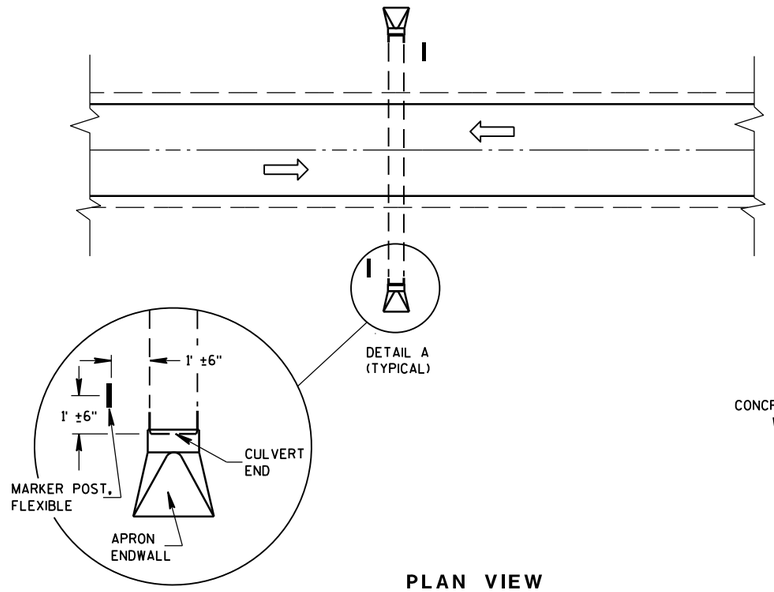
/S/ Jerry H. Zoda
ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

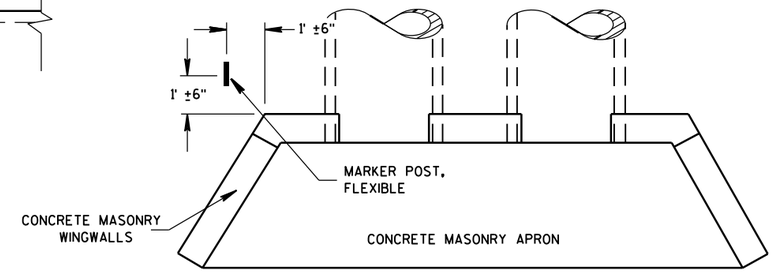
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

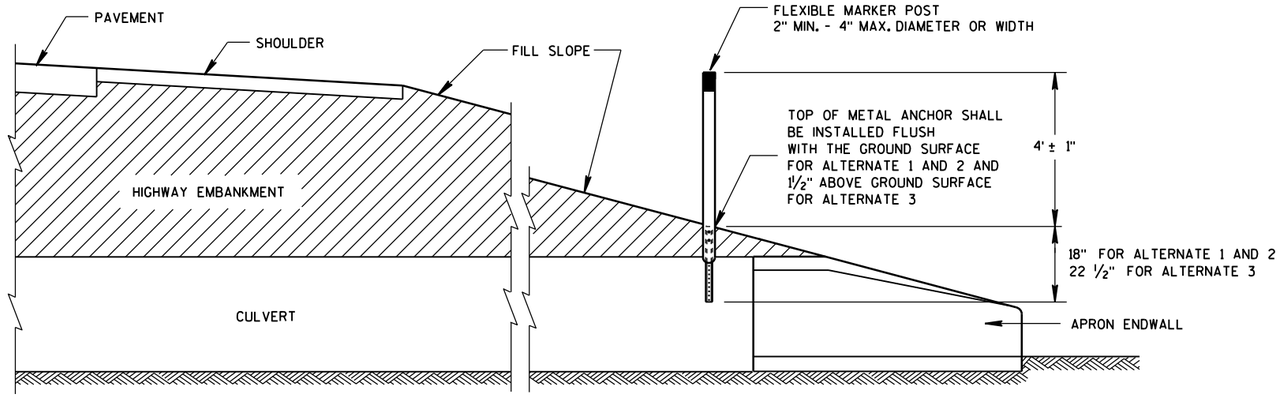
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST FOR CULVERT END

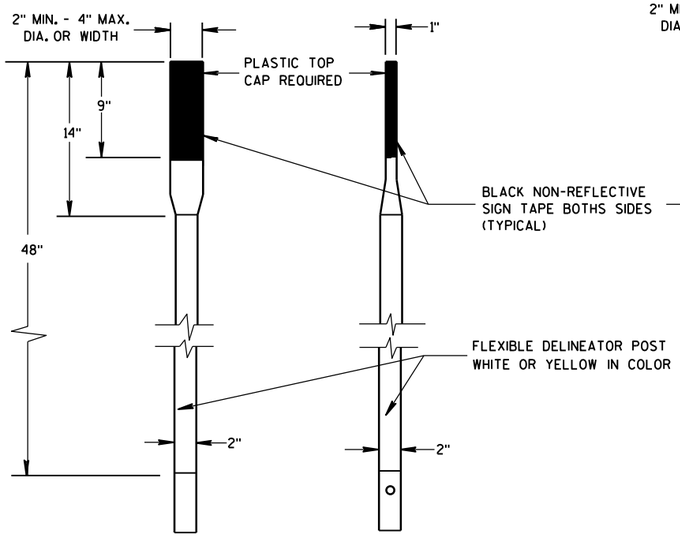
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

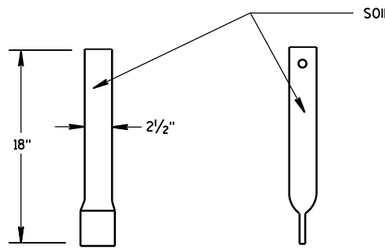
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S.D.D. 15 A 3-2a

6

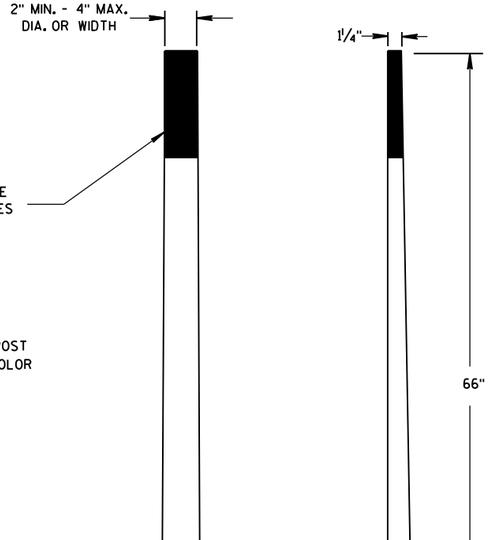
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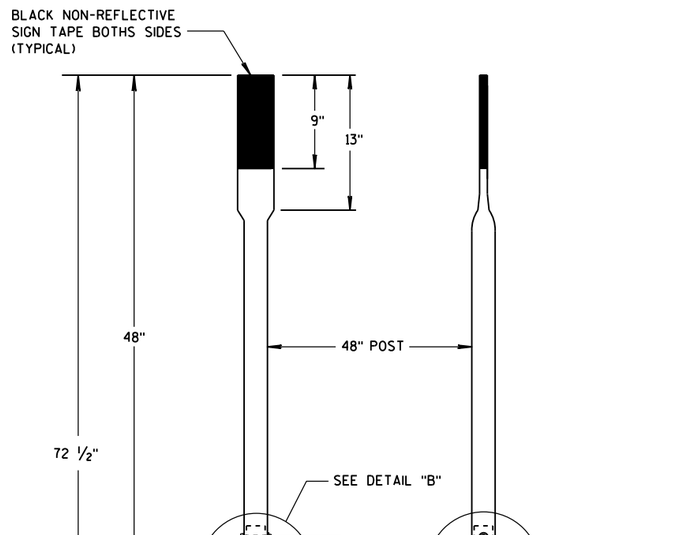
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

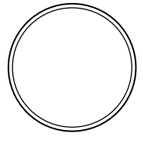
ALTERNATE 2



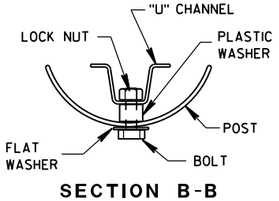
FRONT VIEW SIDE VIEW

ALTERNATE 3

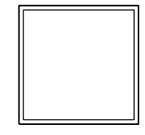
FLEXIBLE MARKER POSTS



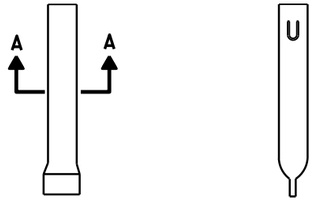
SECTION A-A



SECTION B-B

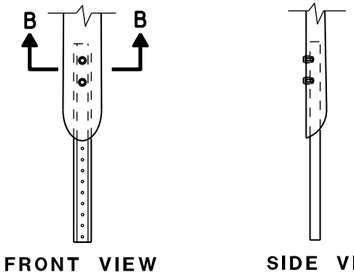


SECTION C-C



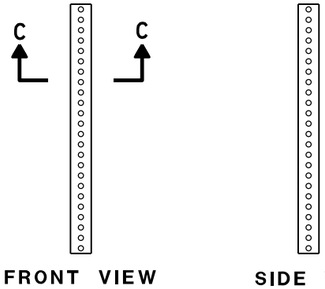
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

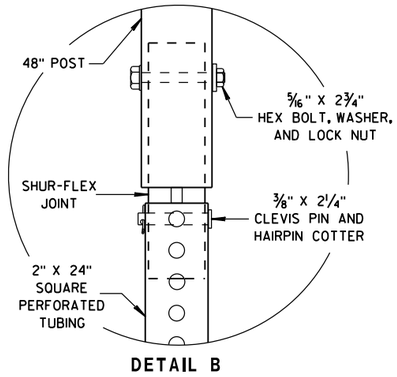
ALTERNATE 2



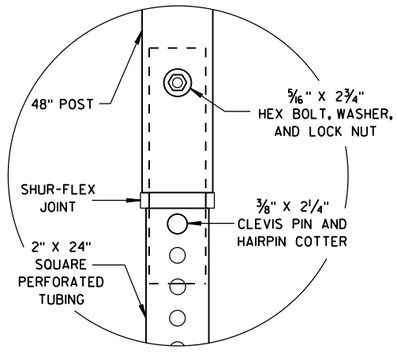
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



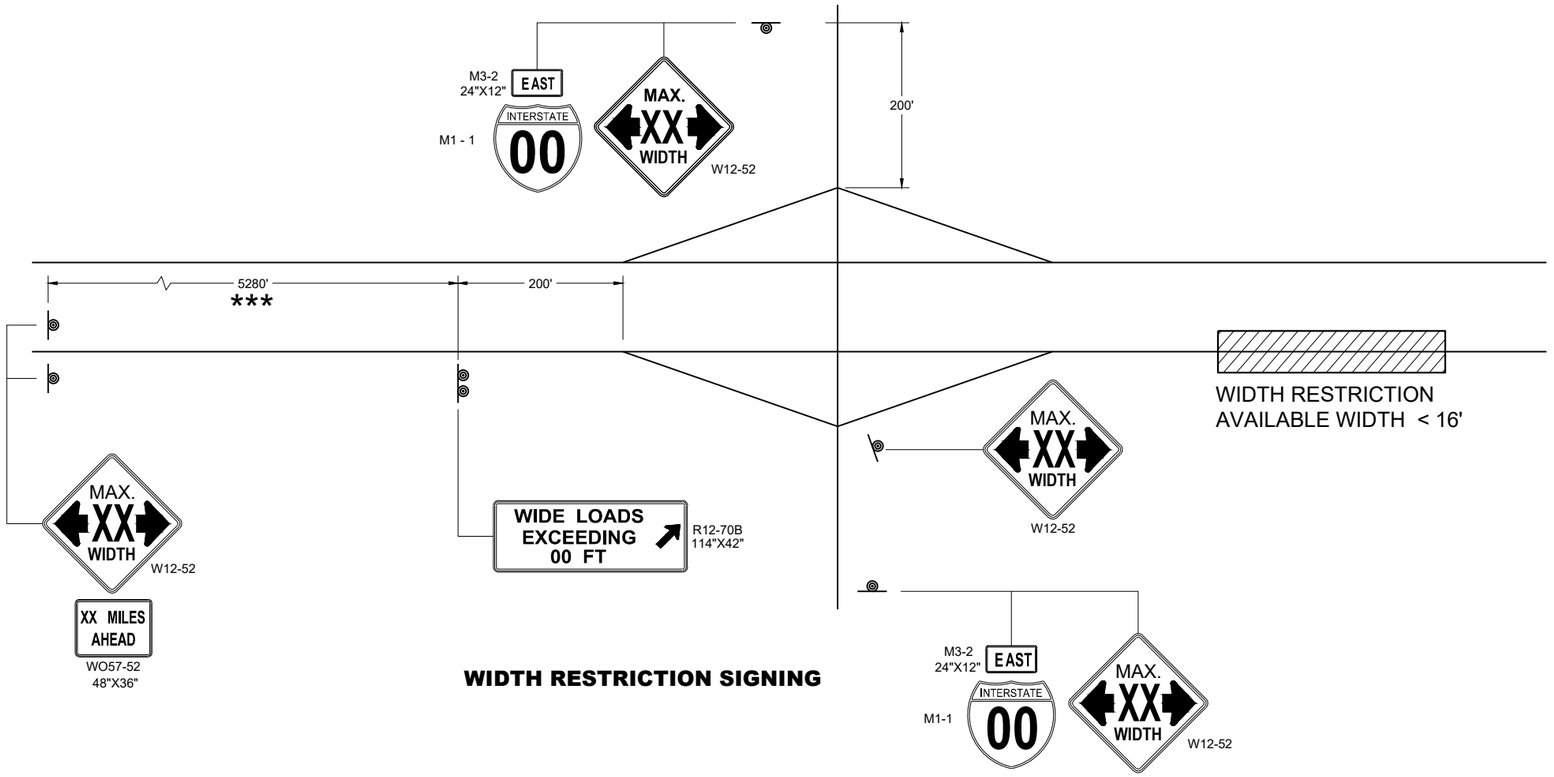
DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/1/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
IGN
FHWA

6
S.D.D. 15 A 3-2b



WIDTH RESTRICTION SIGNING

LEGEND

SIGN ON PERMANENT SUPPORT

GENERAL NOTES

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

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

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.

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

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

WIDTH ON SIGN TO BE APPROXIMATELY ONE FOOT LESS THAN AVAILABLE WIDTH.

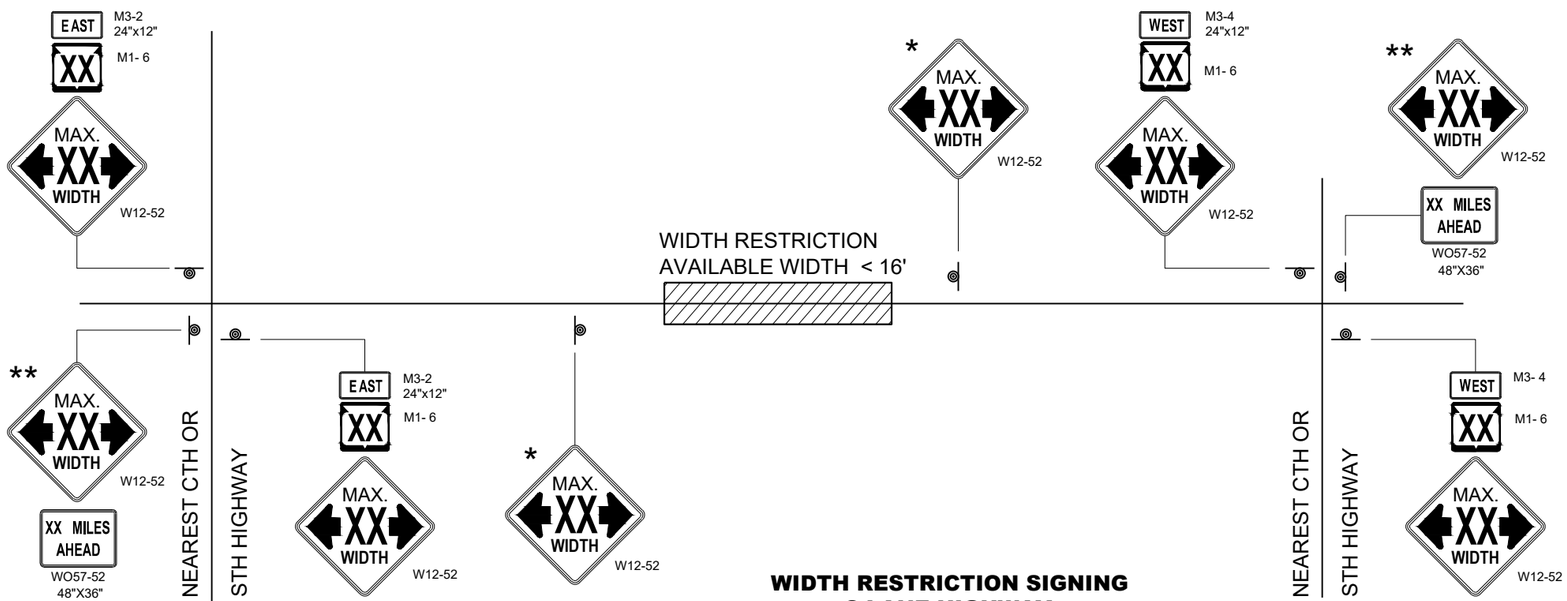
* PLACE 500 FEET AFTER THE W20 - 1A AND 500 FEET BEFORE ADDITIONAL SIGNS FOR ROADWAYS WITH A PRE - CONSTRUCTION SPEED LIMIT OF 45 MPH OR MORE. FOR 35-40 MPH, USE 350 FOOT TYPICAL SPACING. FOR 25-30 MPH, USE 200 FOOT TYPICAL SPACING.

** SIGN SHALL BE VISIBLE FROM ROADWAY.

*** ADDITIONAL SIGNS NEEDED IF THERE IS AN ON RAMP BETWEEN SIGNS.



WIDTH ON SIGN TO BE APPROX. 1 - FOOT LESS THAN AVAILABLE WIDTH



WIDTH RESTRICTION SIGNING
2 LANE HIGHWAY

ADVANCED WIDTH RESTRICTION SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2025 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

FHWA

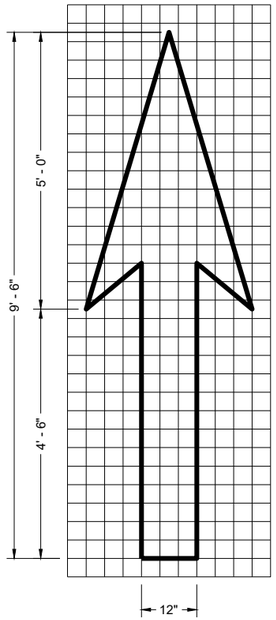
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SDD 15C02-10f

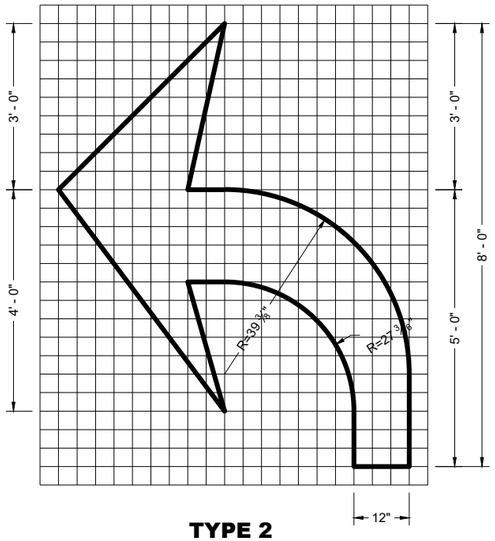
SDD 15C02-10f

GENERAL NOTES

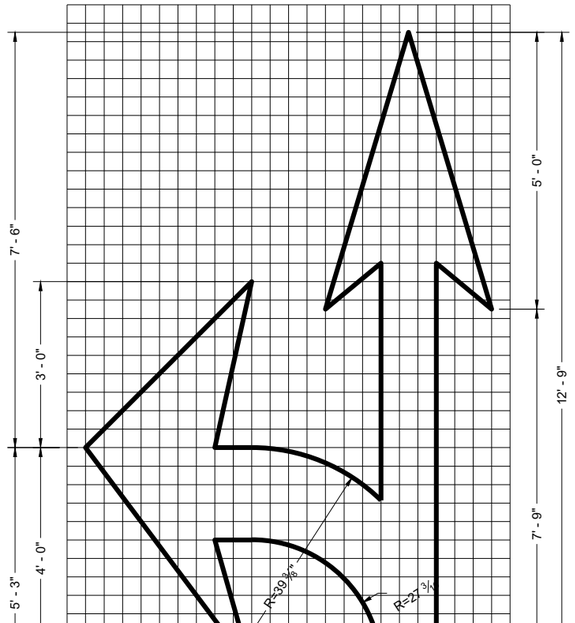
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



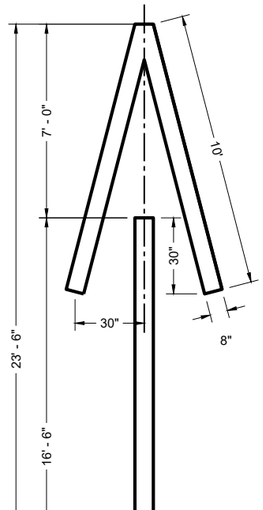
TYPE 1



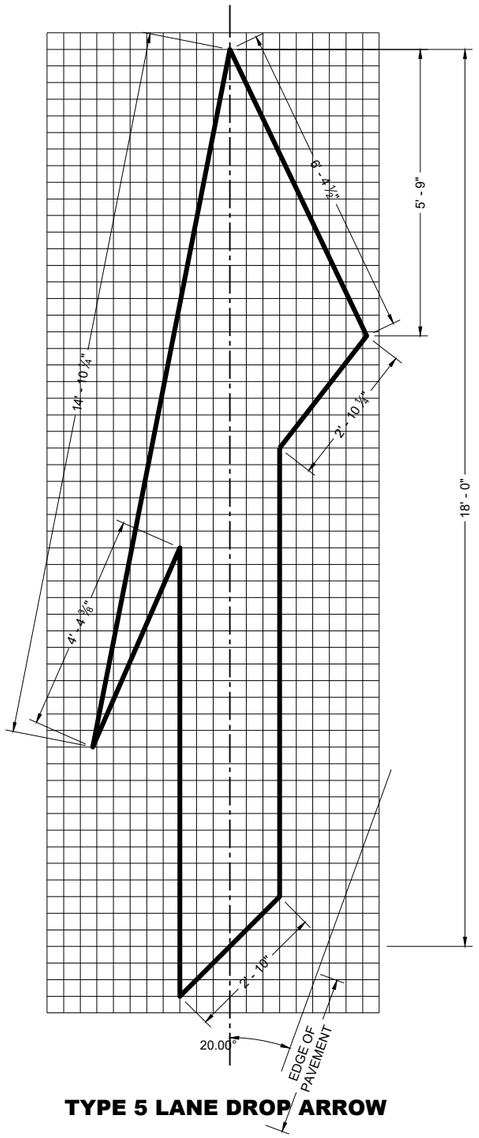
TYPE 2



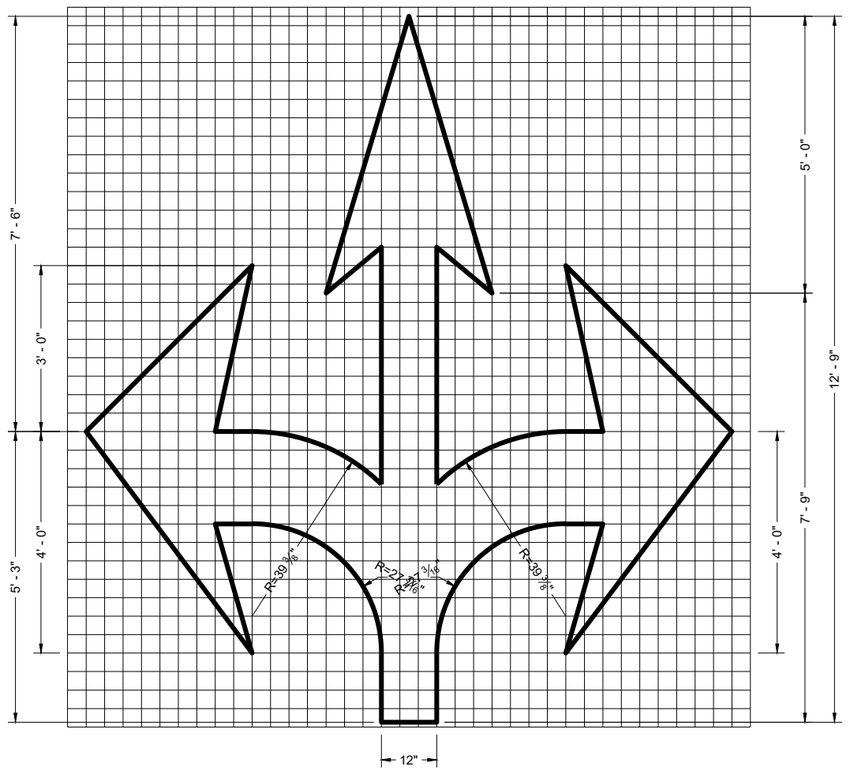
TYPE 3



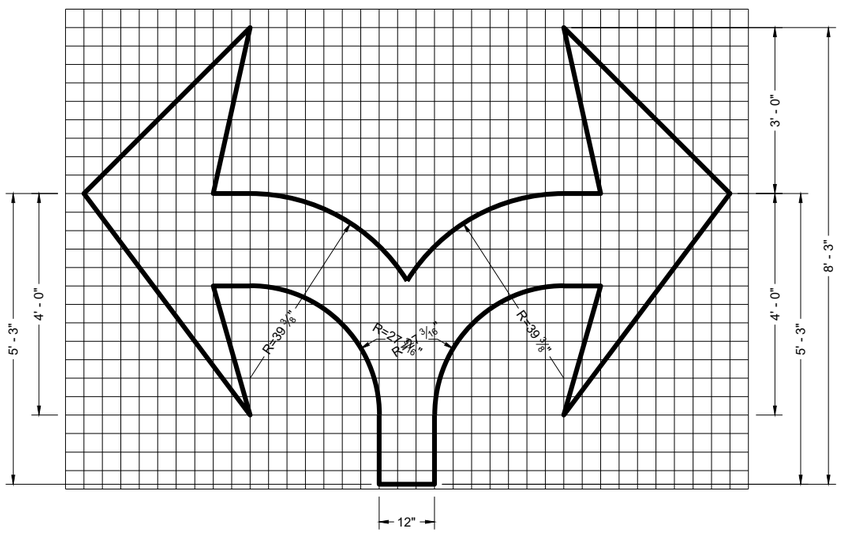
TYPE 4



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024 — DATE
/S/ Jeannie Silver — STATE SIGNING AND MARKING ENGINEER

FHWA

SDD 15C07-16c

6

SDD 15C07-16c

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.

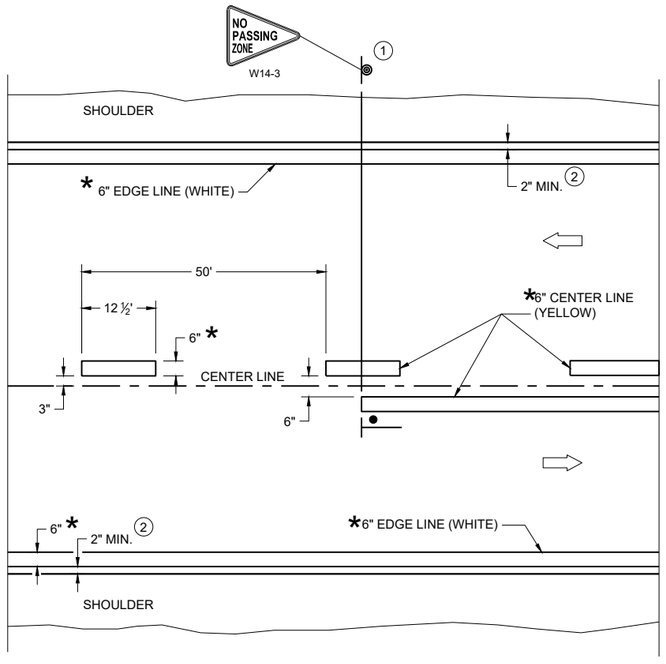
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

LEGEND

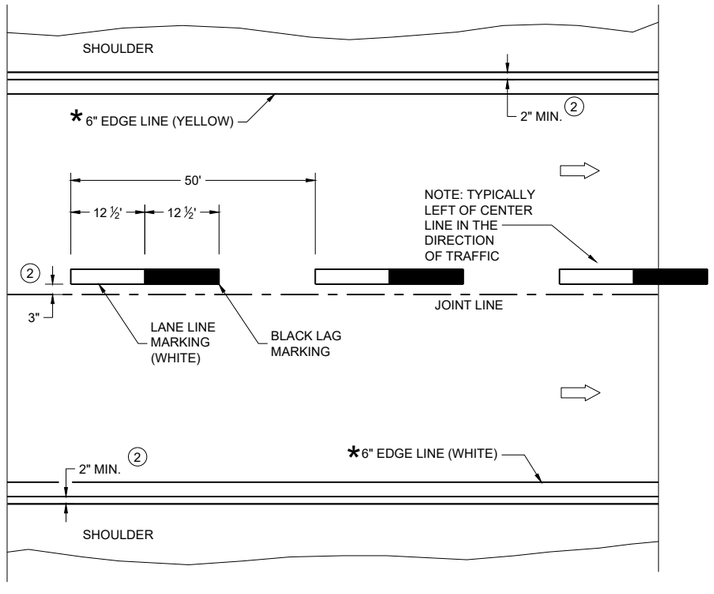
"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2024
DATE

/S/ Jeannie Silver
Statewide Pavement Marking Engineer

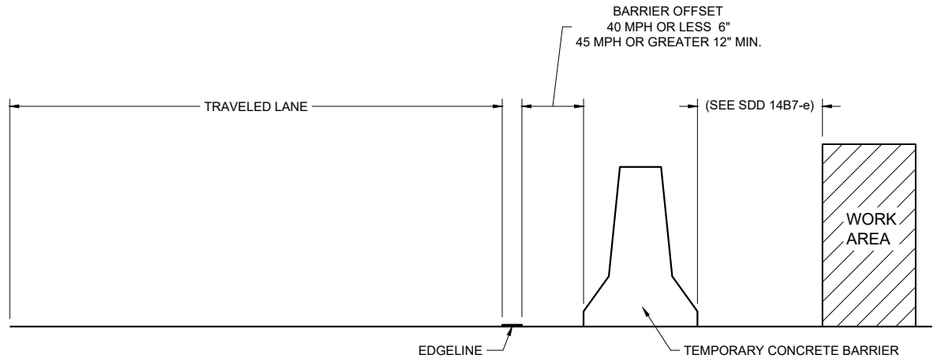
FHWA

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SDD 15C08-24a

6

SDD 15C08-24a



TEMPORARY BARRIER OFFSET FROM EDGELINE

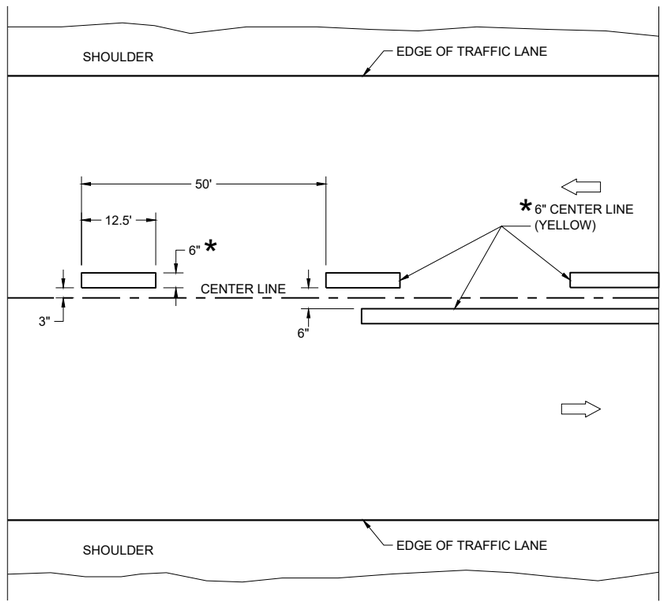
GENERAL NOTES

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

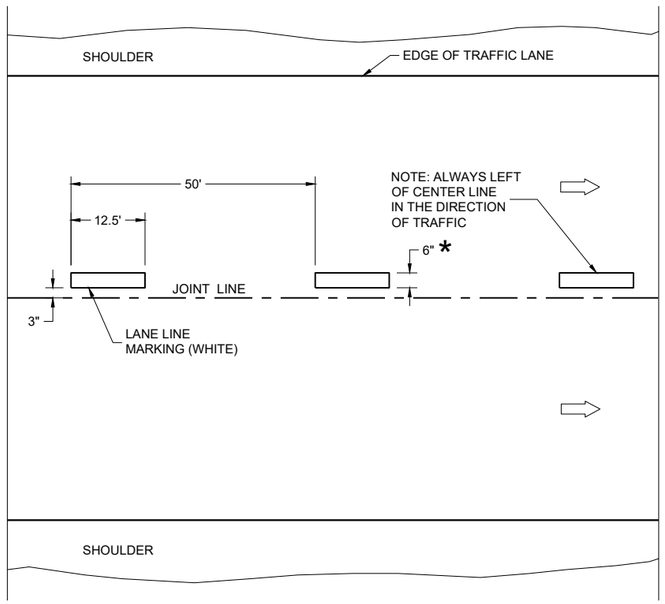
LEGEND

DIRECTION OF TRAFFIC

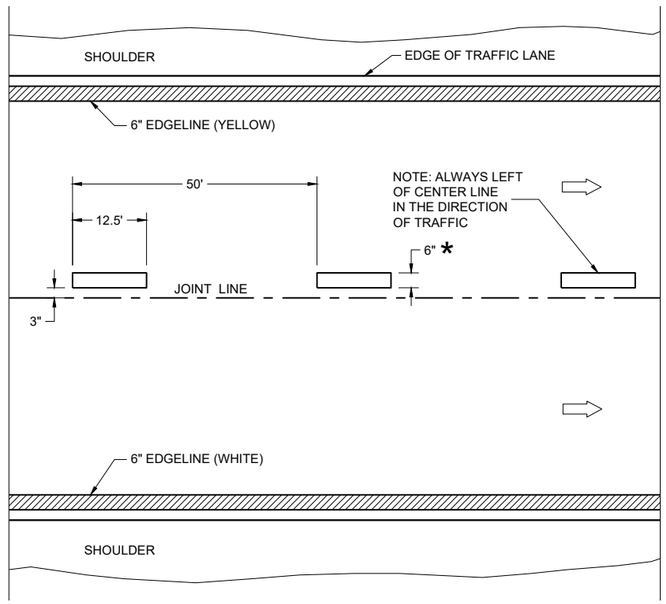
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



TWO WAY TRAFFIC



ONE WAY TRAFFIC



FREEWAYS AND EXPRESSWAYS

TEMPORARY PAVEMENT MARKING

TEMPORARY LONGITUDINAL PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2024
DATE
/S/ Jeannie Silver
Statewide Pavement Marking Engineer

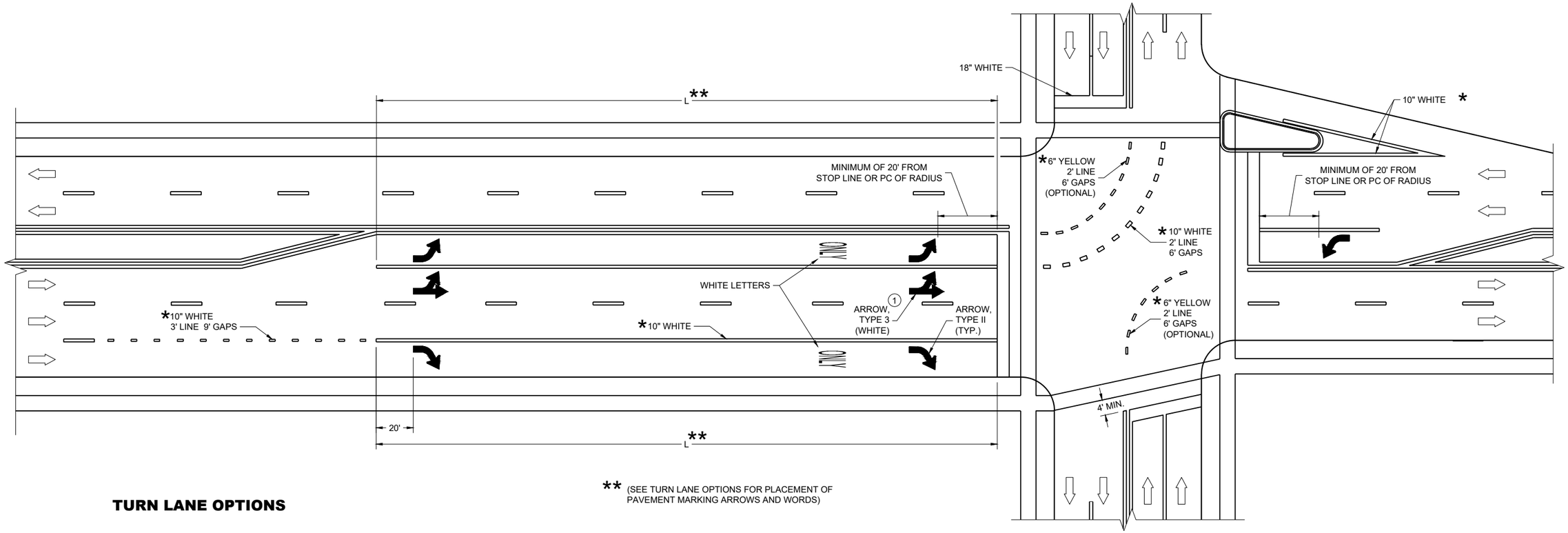
FHWA

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SDD 15C08-24b

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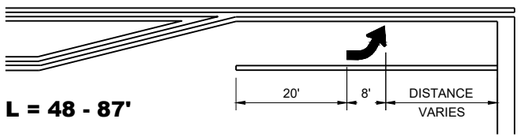
SDD 15C08-24b



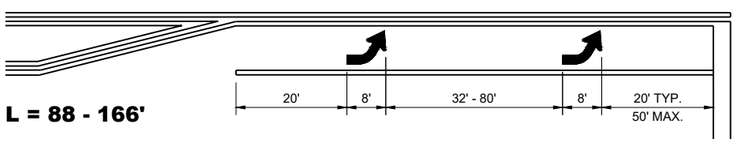
** (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

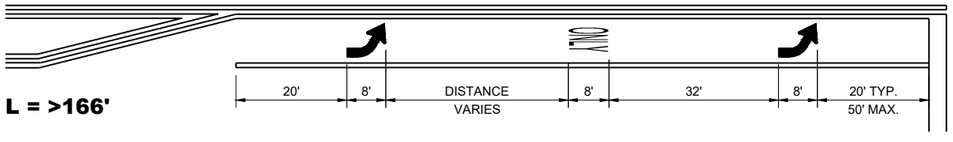
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT
REQUIRE PAVEMENT MARKING ARROWS OR WORDS



L = 48 - 87'



L = 88 - 166'



L = >166'

GENERAL NOTES

1. QUANTITY AND LOCATION OF TYPE 3 ARROWS ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL SEPARATION IN THE SAME DIRECTION OF TRAVEL, THE ARROWS AND "ONLY" MARKING MAY BE ELIMINATED.

DIRECTION OF TRAFFIC

L = LENGTH OF TURN BAY

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

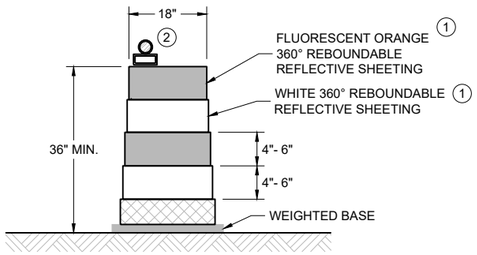
PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

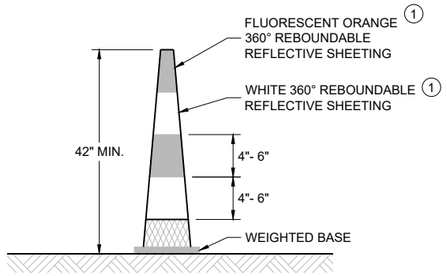
(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

(2) LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



DRUM

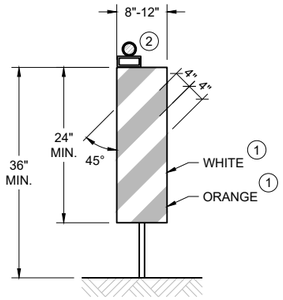
BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE

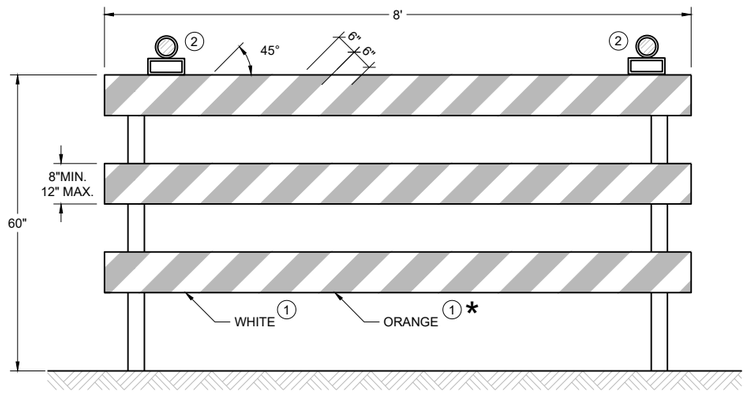
DO NOT USE IN TAPERS
½ SPACING OF DRUMS

BALLAST WIDTHS
RANGE FROM 14"-20"



VERTICAL PANEL

THE 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
February 2026 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

FHWA

6
SDD 15C11-11b

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

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.

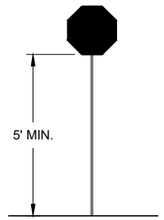
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM 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.



STOP/SLOW PADDLE ON SUPPORT STAFF

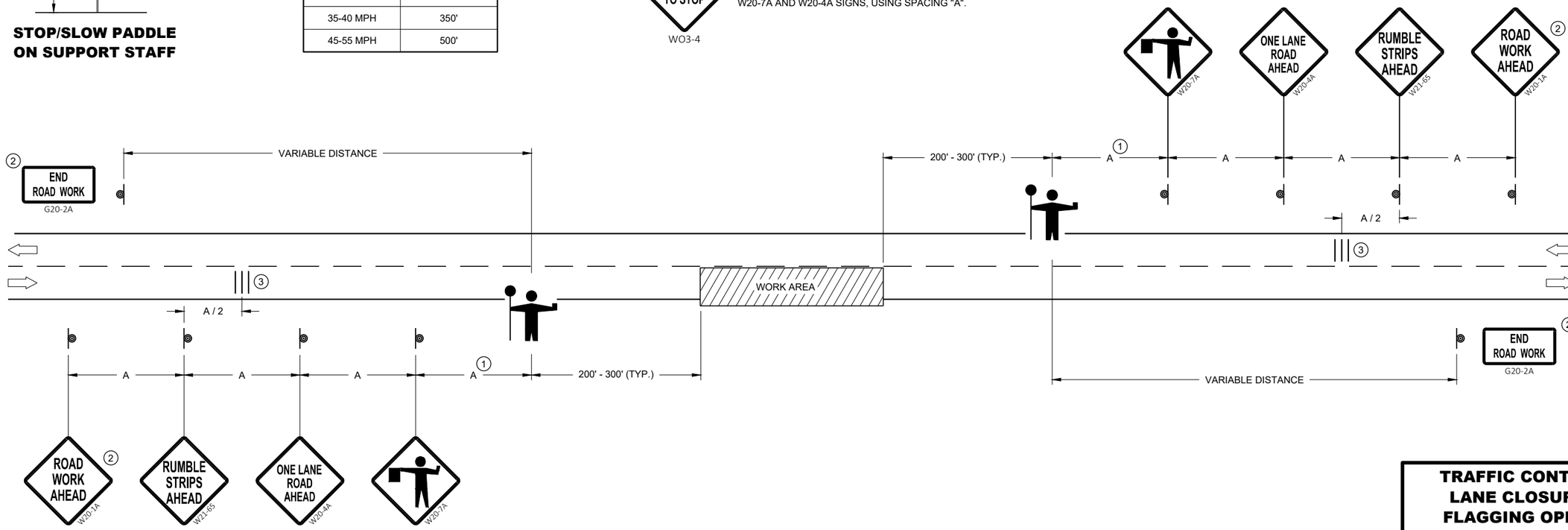
SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

SDD 15C12 - 09a

SDD 15C12 - 09a

GENERAL NOTES

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL CONE 42-INCH

TRAFFIC CONTROL DRUM

TEMPORARY PORTABLE RUMBLE STRIP ARRAY

DIRECTION OF TRAFFIC

WORK AREA

AFAD — AUTOMATED FLAGGER ASSISTANCE DEVICE (AFAD)

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

IF THE AUTOMATED FLAGGER ASSISTANCE DEVICE (AFAD) STOPS WORKING, 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.

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.

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

(2) IF FLAGGERS ARE PHYSICALLY NEEDED TO FLAG, REPLACE WO3-4 SIGNS WITH W20-7A SIGNS.

TEMPORARY PORTABLE RUMBLE STRIPS

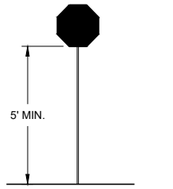
UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

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

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.

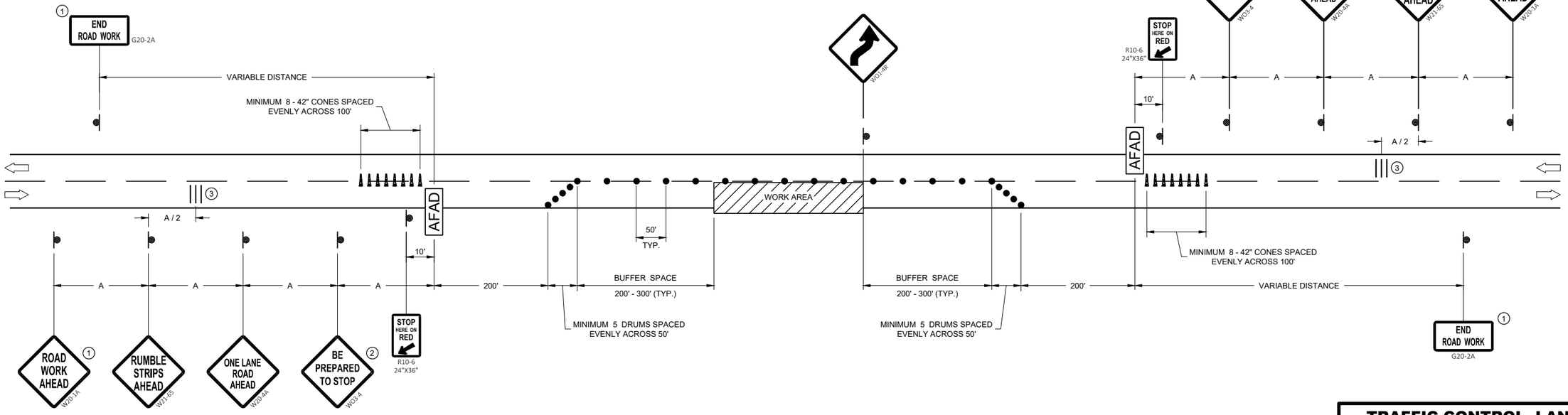
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSELY AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER.



STOP/SLOW PADDLE ON SUPPORT STAFF

SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

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



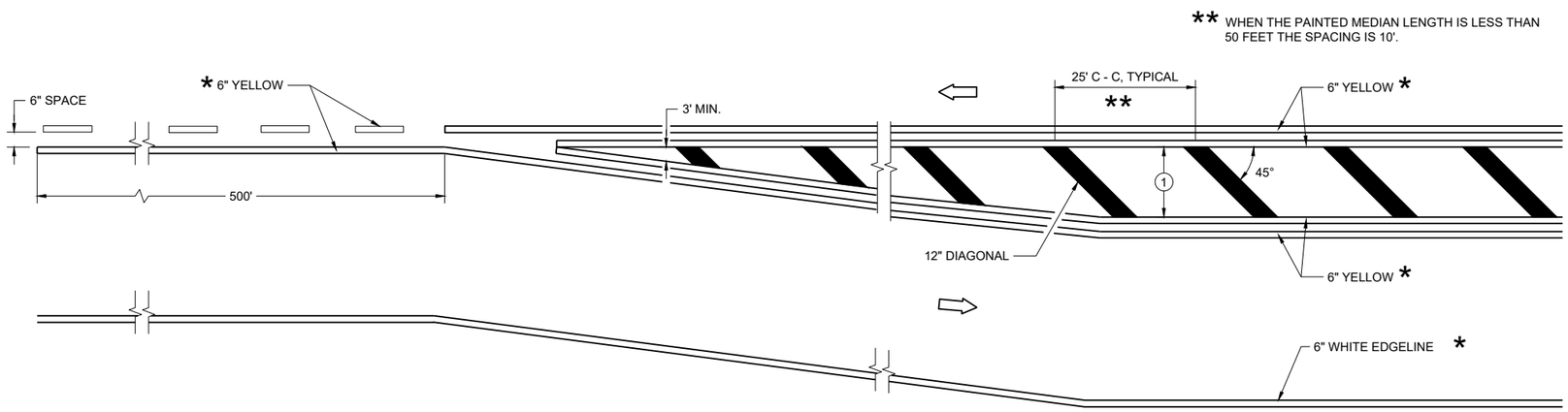
TRAFFIC CONTROL, LANE CLOSURE WITH AUTOMATED FLAGGER ASSISTANCE DEVICE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

SDD 15C12 - 09b

SDD 15C12 - 09b



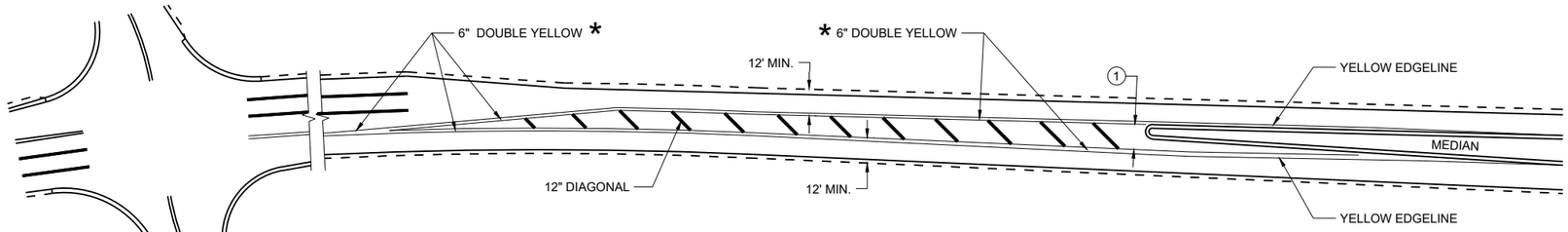
MEDIAN ISLAND DETAIL

GENERAL NOTES

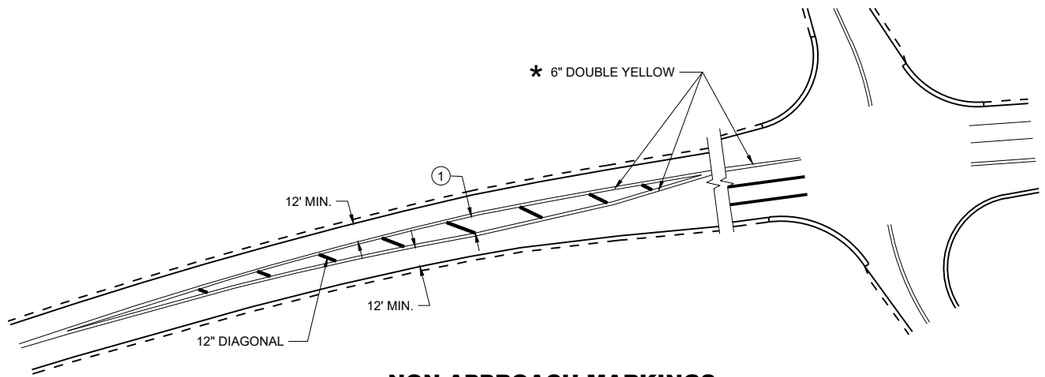
(1) DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT THE WIDEST POINT. OMIT DIAGONALS IF WIDTH IS LESS THAN 4 FEET.

DIRECTION OF TRAVEL

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON-APPROACH MARKINGS

MEDIAN ISLAND PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2024
DATE

/S/ Jeannie Silver
Statewide Pavement Marking Engineer

FHWA

6

SDD 15C18-09a

SDD 15C18-09a

LEGEND

V1 LEAD VEHICLE

V2 MARKING VEHICLE

V3 SHADOW VEHICLE

TRUCK MOUNTED ATTENUATOR (TMA)

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC

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

WORKERS SHALL NOT PERFORM WORK FROM ANY SHADOW OR PROTECTION VEHICLES.

UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC.

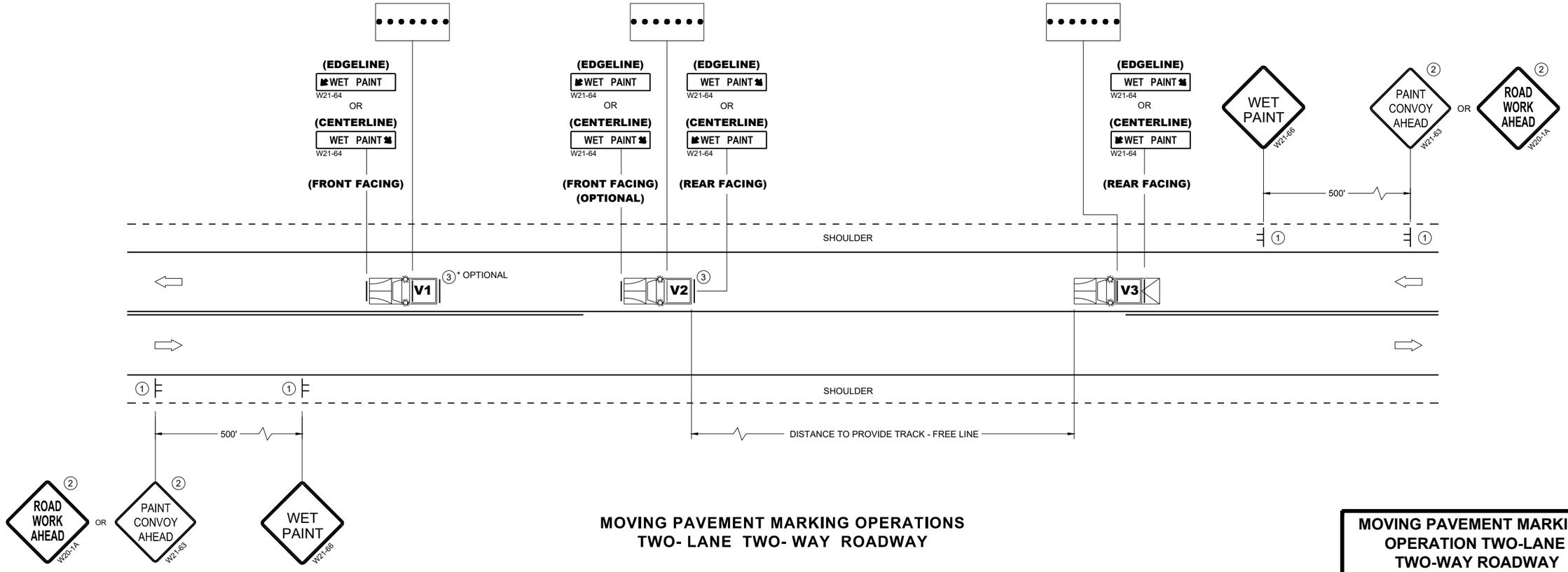
CONES SHOULD BE USED BETWEEN THE MARKING AND SHADOW VEHICLE AT 100 FOOT SPACING. CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

CONES SHALL BE A MINIMUM OF 28" FOR WET PAVEMENT MARKING .

(1) SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES AND AFTER EVERY MAJOR INTERSECTION.

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

(3) V1 AND V2 CAN BE SWITCHED SO THAT THE MARKER IS THE LEAD VEHICLE.



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 2025 — DATE
/S/ Andrew Heidtke — STATE ELECTRICAL ENGINEER

FHWA

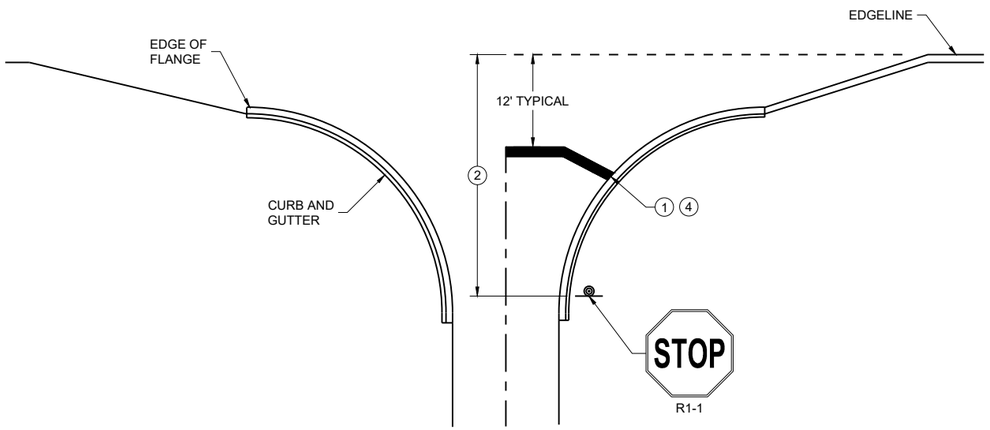
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SDD 15C19-11a

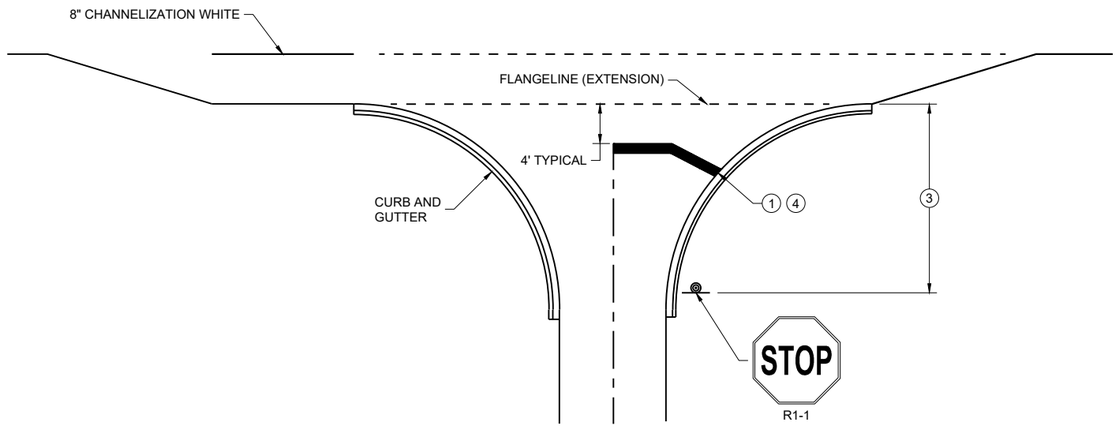
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

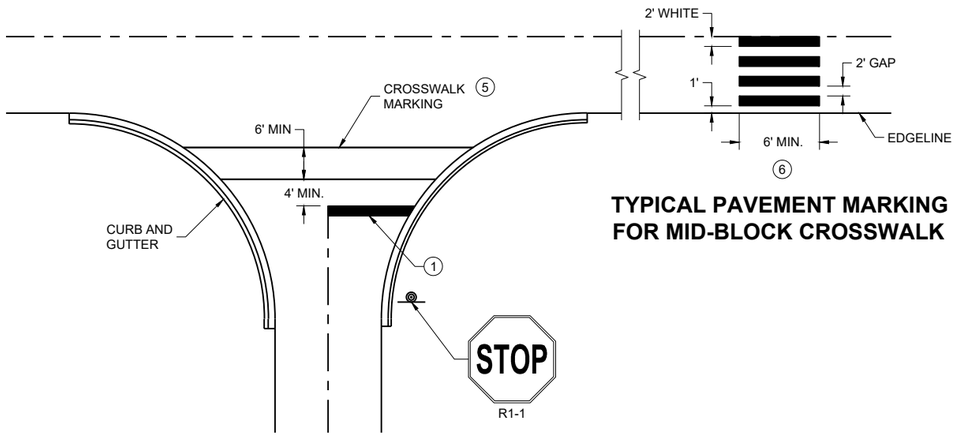
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGE LINE EXTENSION.
4. MOVE CLOSER TO THE EDGE OF TRAVEL LINE AS NEEDED FOR VISIBILITY AND SIGHT LINES (NO CLOSER THAN 4 FEET).
5. LADDER BAR CROSSWALKS SHOULD ONLY BE USED FOR MID BLOCK CROSSINGS. USE 2 - 6" TRANSVERSE LINES.
6. POSTED SPEED LIMITS OF 40 MPH OR GREATER USE A MINIMUM WIDTH OF 8' FOR MIDBLOCK CROSSWALKS



TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

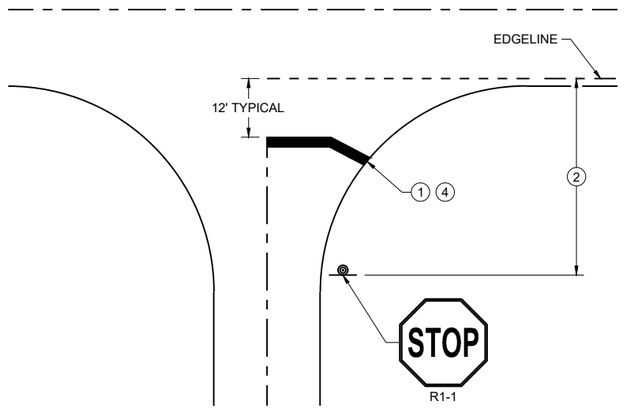


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH RIGHT TURN LANE



TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK (5)

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

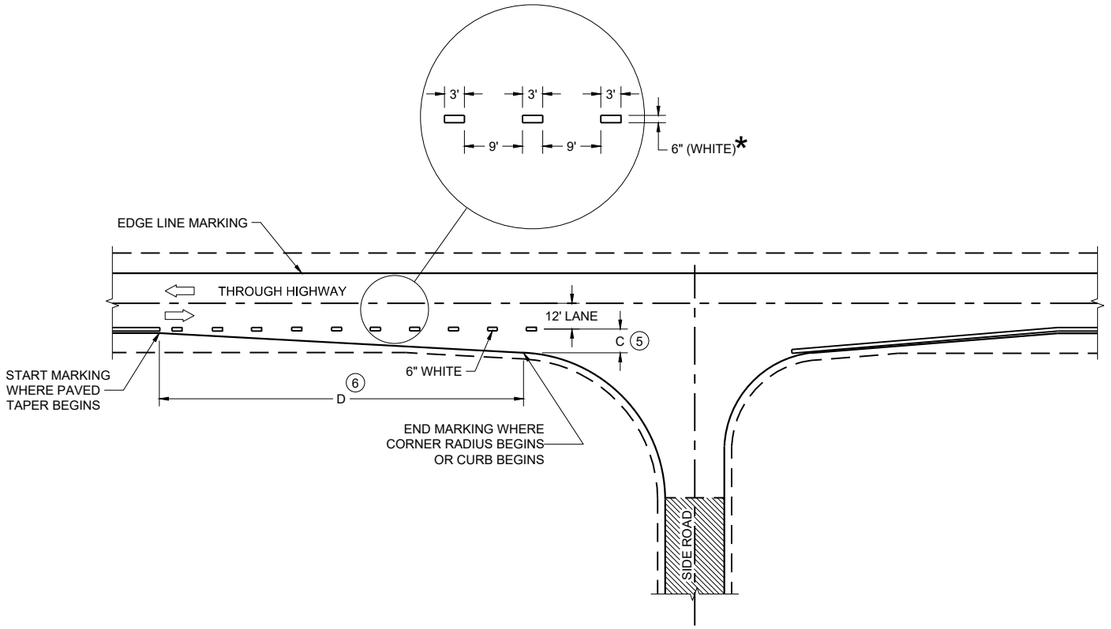
March 2024 — DATE

/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

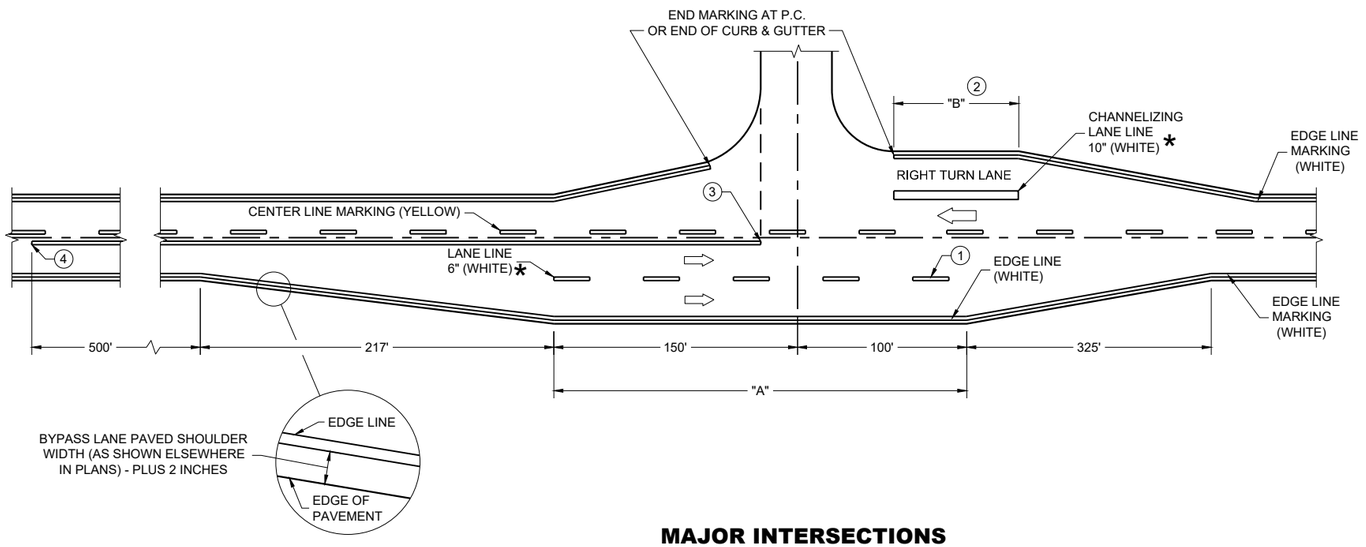
FHWA

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SDD 15C33-05



MINOR INTERSECTION



MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

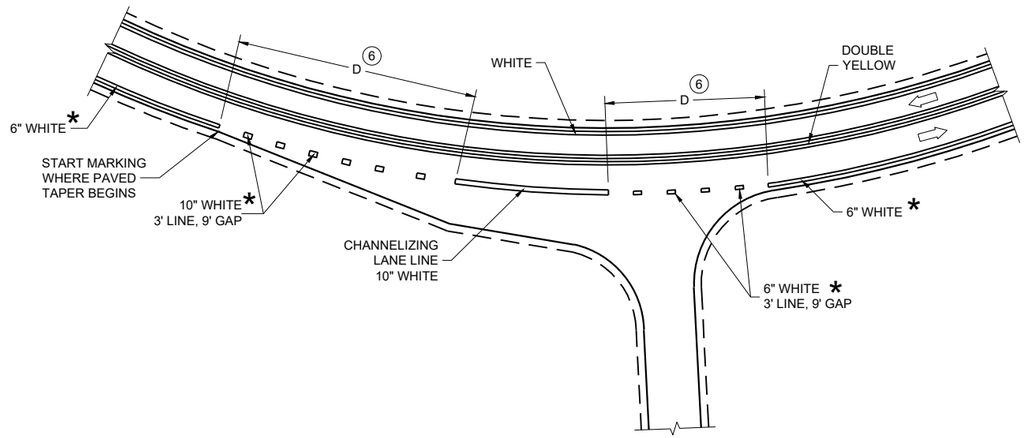
GENERAL NOTES

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES THROUGH DRIVEWAYS.

1. WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
2. WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
3. BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
4. BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.
5. WHEN DISTANCE "C" IS LESS THAN 4 FEET, OMIT DOTTED EXTENSION.
6. WHEN DISTANCE "D" IS LESS THAN 50 FEET, OMIT DOTTED EXTENSION.

LEGEND

DIRECTION OF TRAVEL



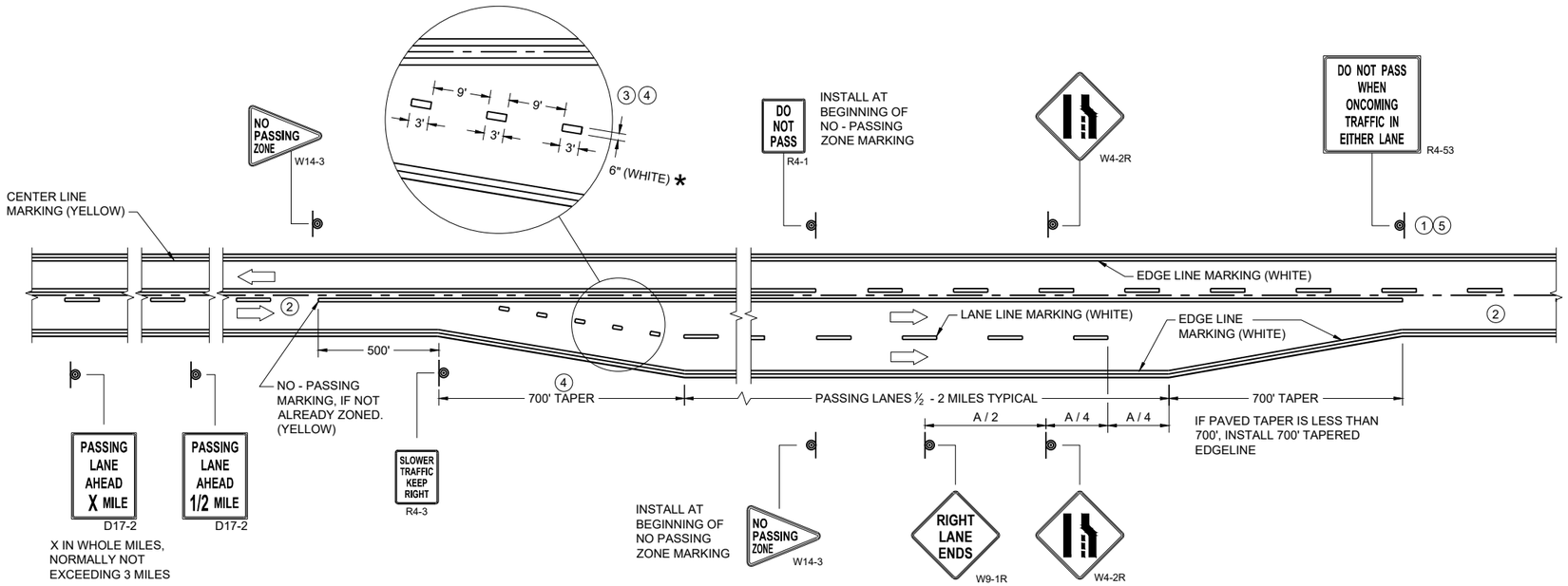
INTERSECTION ON OUTSIDE OF CURVE

PAVEMENT MARKING (INTERSECTIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15C35-06a



SOLID DOUBLE - YELLOW LINE
(END OF SINGLE LANE)

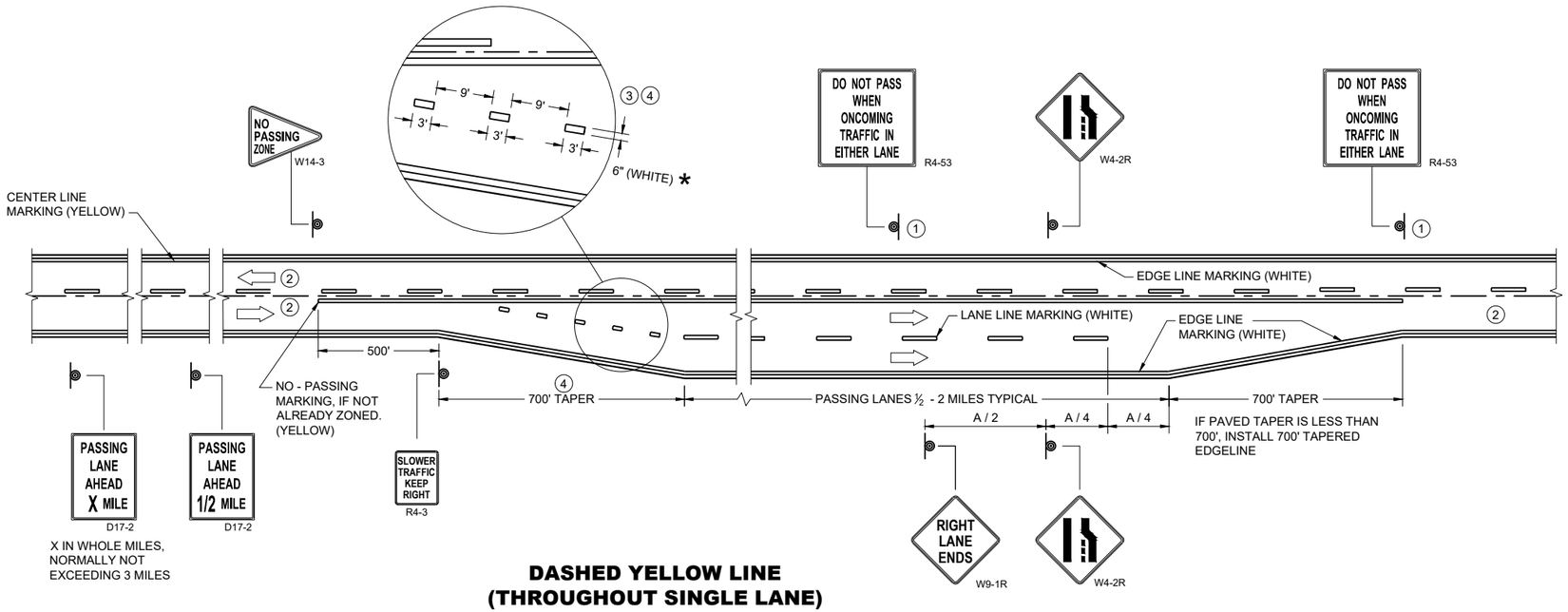
GENERAL NOTES

1. SIGN SHALL BE REPEATED AT 1 MILE INCREMENTS OR AT THE DISCRETION OF THE REGIONAL TRAFFIC ENGINEER.
2. THERE MAY BE SOLID YELLOW ON THE CENTERLINE DUE TO SIGHT CONDITIONS.
3. THE TAPER LENGTH OF THE DOTTED LINE PAVEMENT MARKING SHALL BE 700 FEET, 3' LINE, 9' GAP, EXCEPT RETRACE THE EXISTING LINE - GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.
4. WHEN THE ENTRANCE TAPER IS LESS THAN 700 FEET OR THE SHOULDER WIDTH IN THE PASSING / CLIMBING LANE IS LESS THAN THE ADJACENT HIGHWAY, DO NOT INSTALL DOTTED LINE PAVEMENT MARKING.
5. REPEAT EVERY ONE MILE UP UNTIL NO PASSING ZONE.

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

DISTANCE TABLE

POSTED OR 85th PERCENTILE SPEED	DISTANCE "A"
45	775
50	885
55	990



DASHED YELLOW LINE
(THROUGHOUT SINGLE LANE)

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

PAVEMENT MARKING & SIGNING (CLIMBING LANE & PASSING LANE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Jeannie Silver — Statewide Pavement Marking Engineer

FHWA

6

SDD 15C35-06c

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.

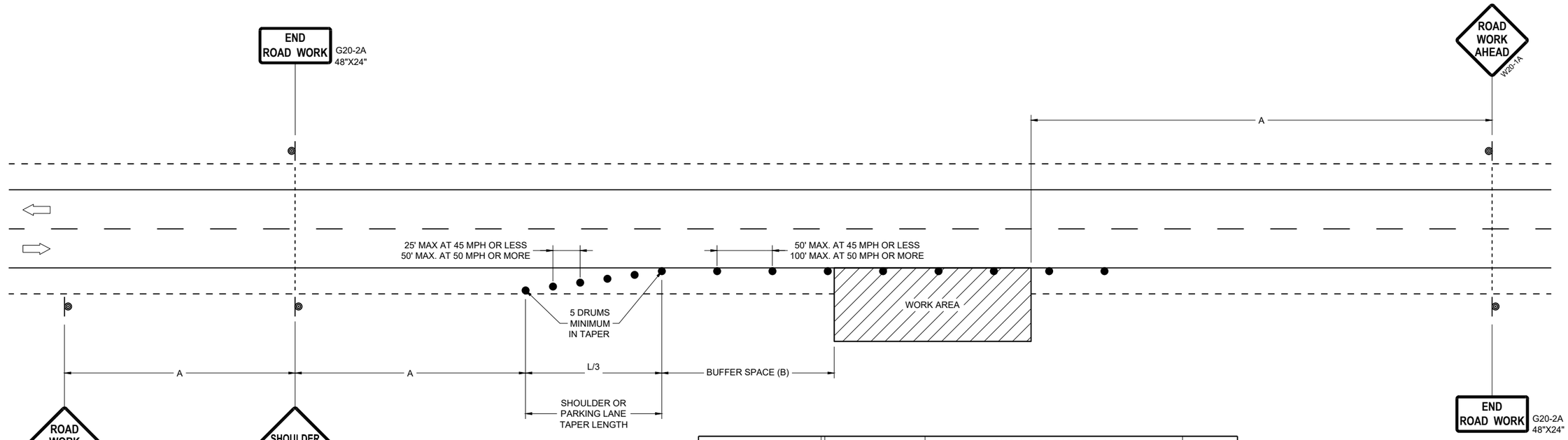
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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.



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	155
30	200'	15	20	25	30	35	40	200
35	350'	20	27	34	40	47	54	250
40	350'	26	35	44	53	62	70	305
45	500'	45	59	74	89	104	119	360
50	500'	50	66	83	99	116	132	425
55	500'	54	73	91	109	127	145	495

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2026
DATE

/S/ ANDREW HEIDTKE
STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER

FHWA

6
SDD 15D28-06

LEGEND

V1 WORK VEHICLE

V2 SHADOW VEHICLE

TRUCK MOUNTED ATTENUATOR (TMA)

FLASHING ARROW PANEL (CAUTION)

WORK AREA

DIRECTION OF TRAFFIC

POSTED SPEED PRIOR TO WORK STARTING (MPH)	DECISION SIGHT DISTANCE (D)
0 - 25	550'
30	550'
35	700'
40	700'
45	900'
50	900'
55	1200'

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

MOBILE IS WORK THAT MOVES CONTINUOUSLY OR MOVES AT LEAST THE DECISION SIGHT DISTANCE EVERY 15 MINUTES.

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

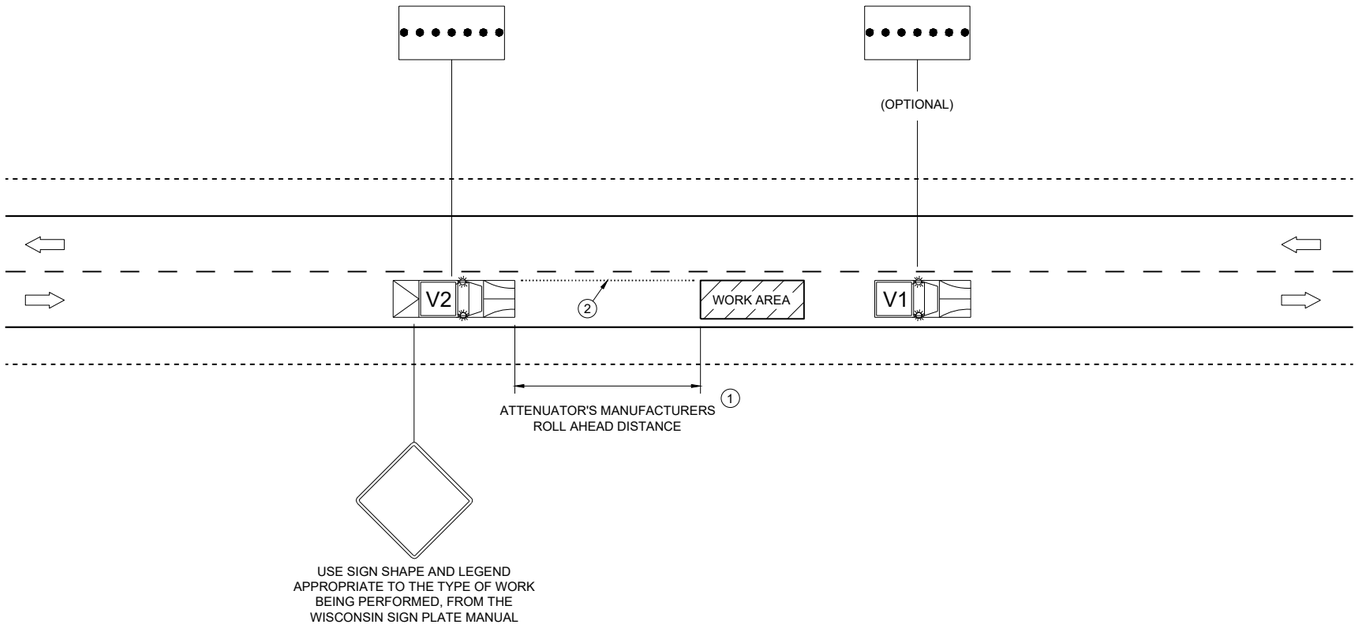
ALL ARROW PANELS SHALL BE REAR FACING, TYPE "B" OR "C", AND DISPLAYING THE FLASHING CAUTION MODE. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

USE AN ATTENUATOR ON THE REARMOST VEHICLE THAT BLOCKS ALL OR PART OF THE TRAFFIC LANE.

WORKERS SHALL NOT PERFORM WORK FROM ANY SHADOW OR PROTECTION VEHICLES.

(1) DISTANCE BETWEEN VEHICLES MAY INCREASE FROM THE ATTENUATOR'S ROLL AHEAD BASED ON TERRAIN, SIGHT DISTANCE, 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 OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

(2) ALIGN LEFT SIDE OF SHADOW VEHICLE WITH EDGE OF WORK AREA.



TRAFFIC CONTROL, MOBILE OPERATIONS ON AN UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

November 2025 — DATE

/S/ Andrew Heidtke — STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER

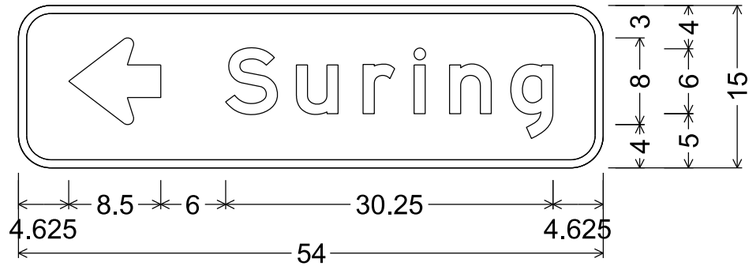
FHWA

6

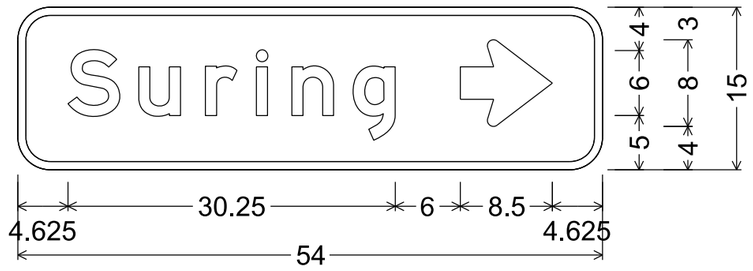
SDD 15D51-02

NOTES

1. Signs are Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E



D1-1; 3.000" Radius, 0.750" Border



D1-1; 3.000" Radius, 0.750" Border

7

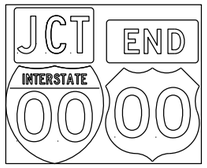
7

PROJECT NO: 9660-01-74	HWY: CTM M	COUNTY: MENOMINEE	PERMANENT SIGNING	SHEET NO: 68	E

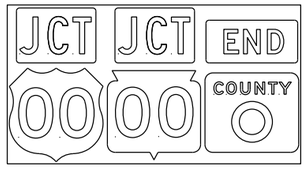
TYPICAL ASSEMBLIES



J1-1



J1-2



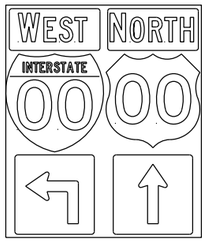
J1-3



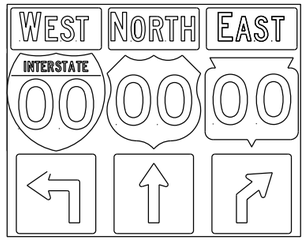
JR1-1



J2-1



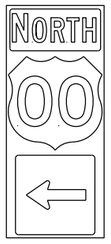
J2-2



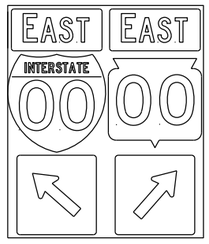
J2-3



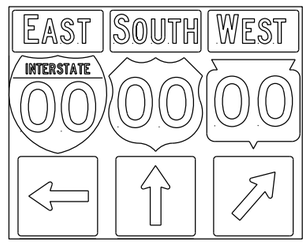
JV
(Typical Vertical J-Assembly
See Note 10 and 11)



J3-1



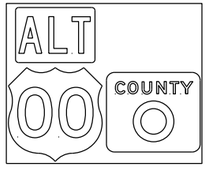
J3-2



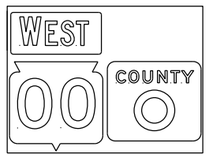
J3-3



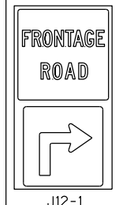
J4-1



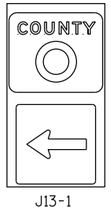
J4-2



J4-2



J12-1



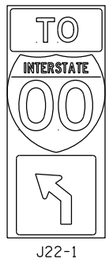
J13-1



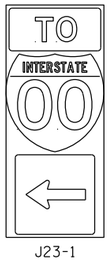
J32-1



J33-1



J22-1



J23-1



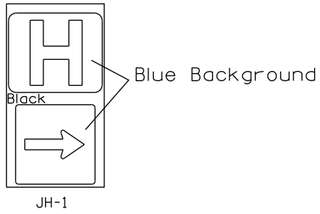
JR13-1



JR23-1



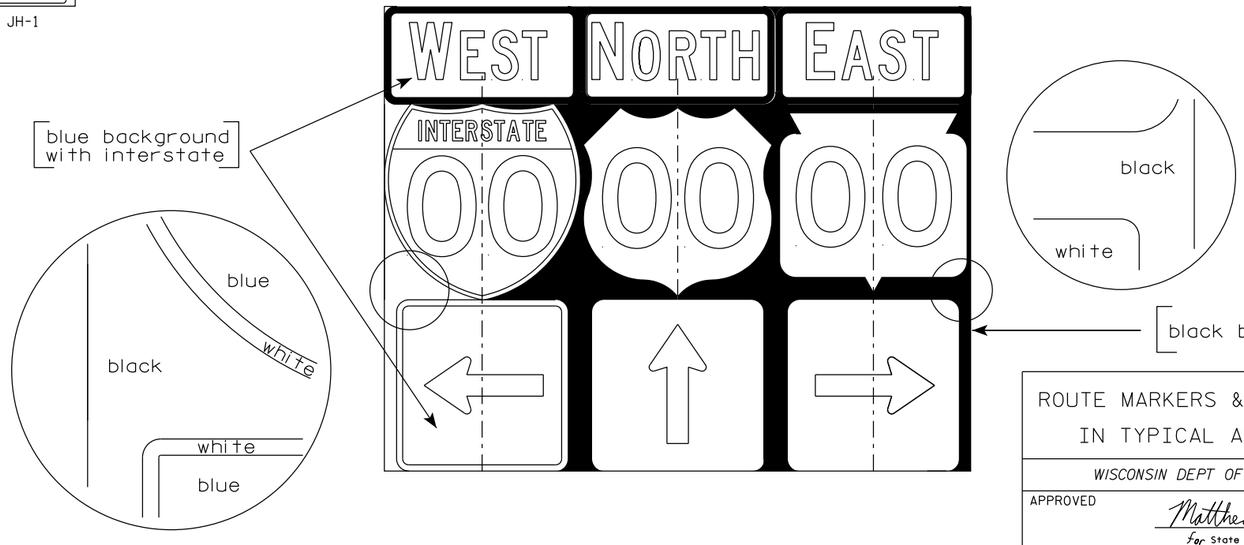
JR99-1



JH-1

NOTES

1. Signs are Type II - Type H Reflective
2. Color:
   Background - Black Non-reflective
   Message - see Note 4
3. Message Series - See Note 4
4. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
5. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
6. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
7. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
8. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
9. All Vertical J Assemblies are given a Sign Code of JV
10. For JV Assemblies that have a mixture of Interstate and Non-Interstate shields, arrows and cardinals shall be white on blue.
11. For JV Assemblies that have a mixture of Non-Interstate and Auto-Tour shields, arrows and cardinals shall be black on white.



ROUTE MARKERS & COMPONENTS IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

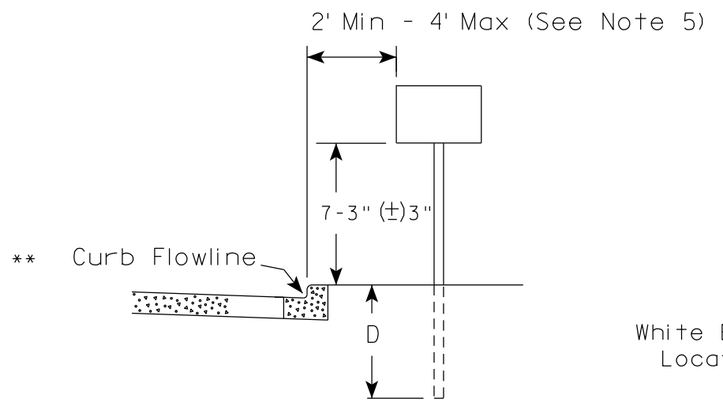
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/23 PLATE NO. A2-1S.10

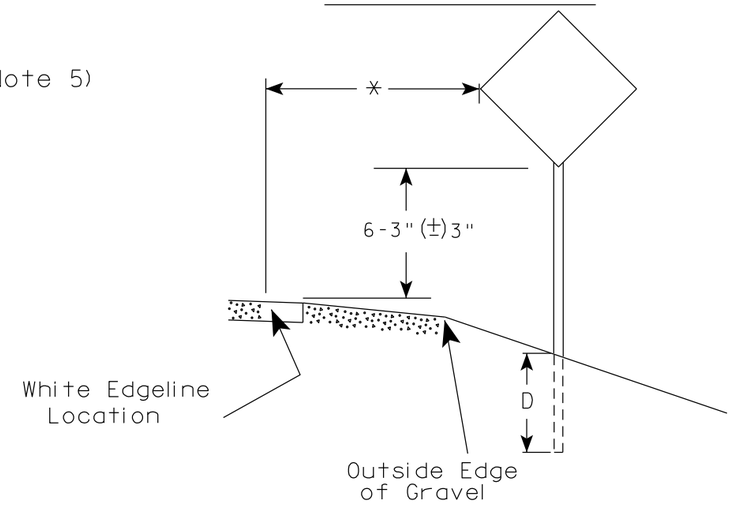
PROJECT NO:

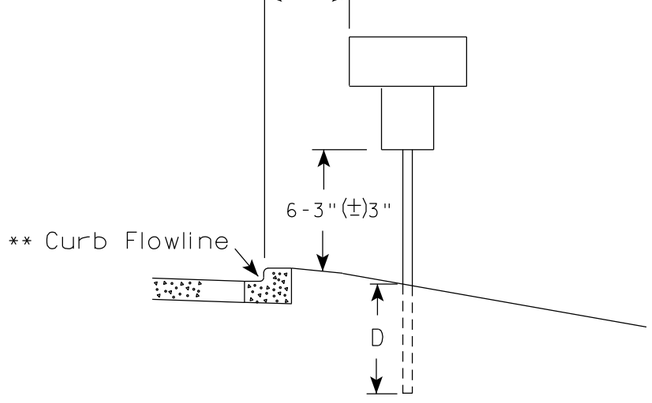
SHEET NO: 69 E

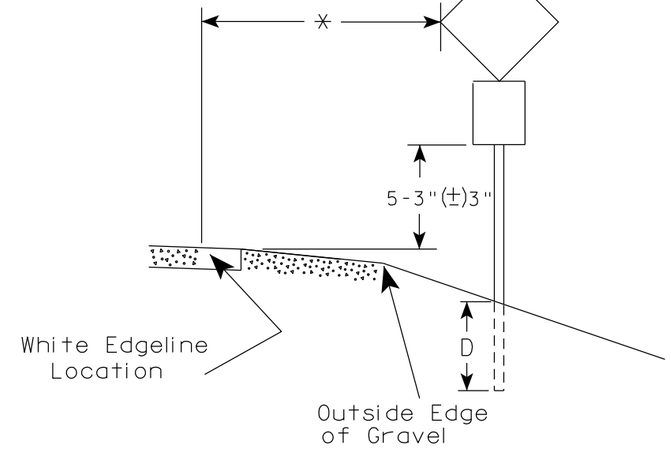
URBAN AREA



RURAL AREA (See Note 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. Offset of signs is measured from the flow line.

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

POST EMBEDMENT DEPTH

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

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.
   The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±) 3". The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±) 3".
3. For expressways and freeways, mounting height is 7'- 3" (±) 3" or 6'-3" (±) 3" depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±) 3".
5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
6. Folding signs shall be mounted at a height of 5'-3" (±) 3" or as directd by the Engineer.

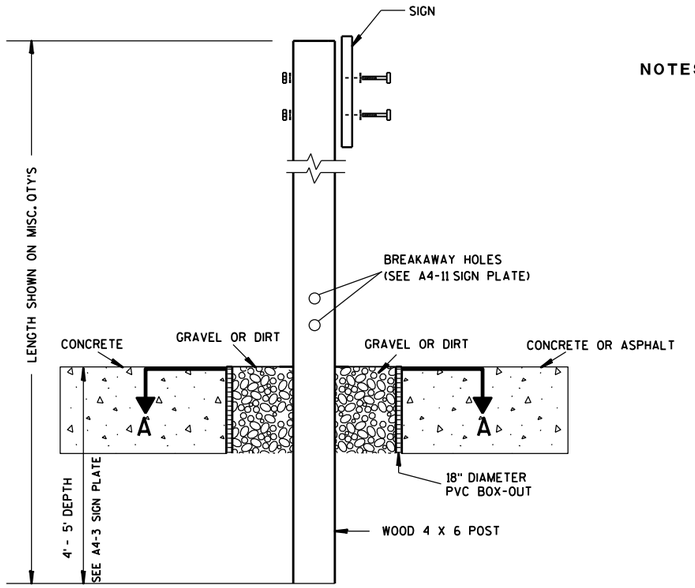
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-3.23

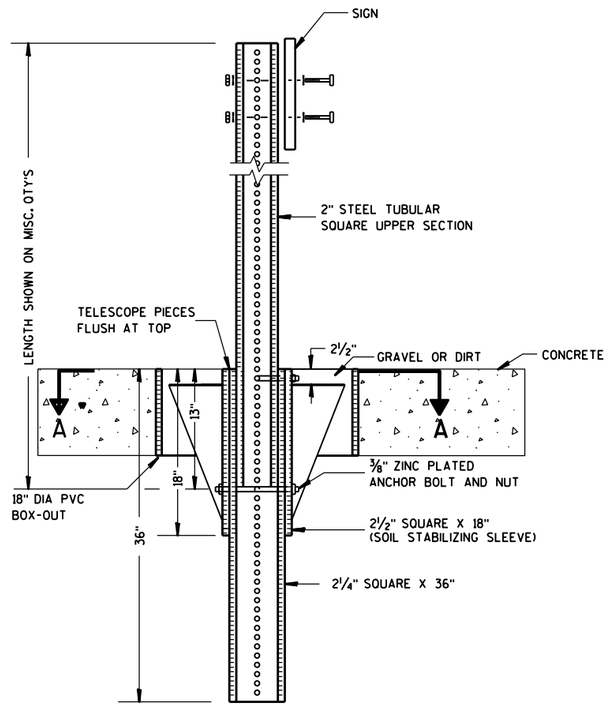
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 70	E



ELEVATION VIEW

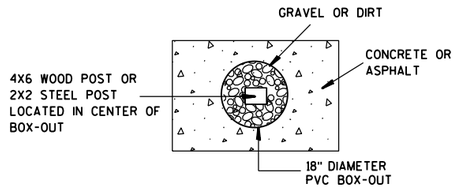
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

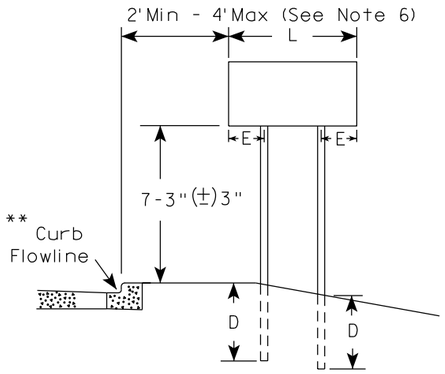
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

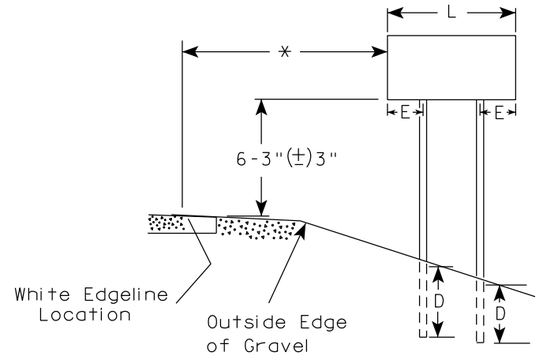
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

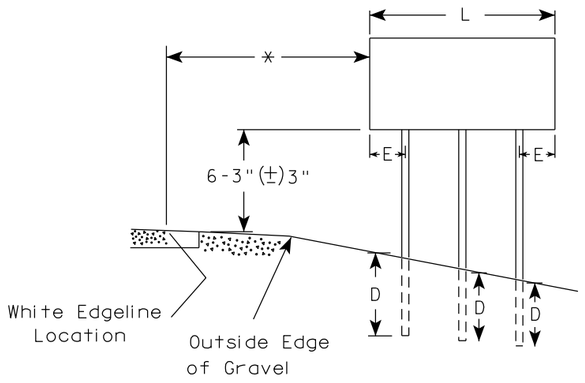
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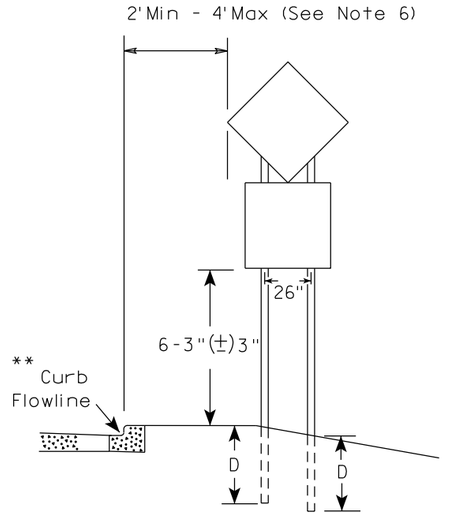
URBAN AREA



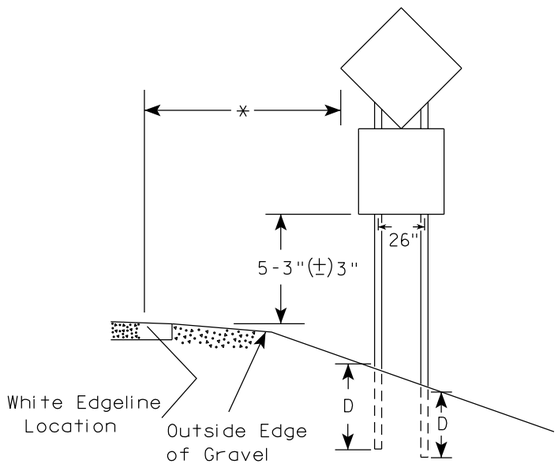
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)		
	L	E
***	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) 3" or 6'-3" (±) 3" depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. J-Assemblies are considered to be one sign for mounting height.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) 3" or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±) 3". The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±) 3".

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

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

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

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

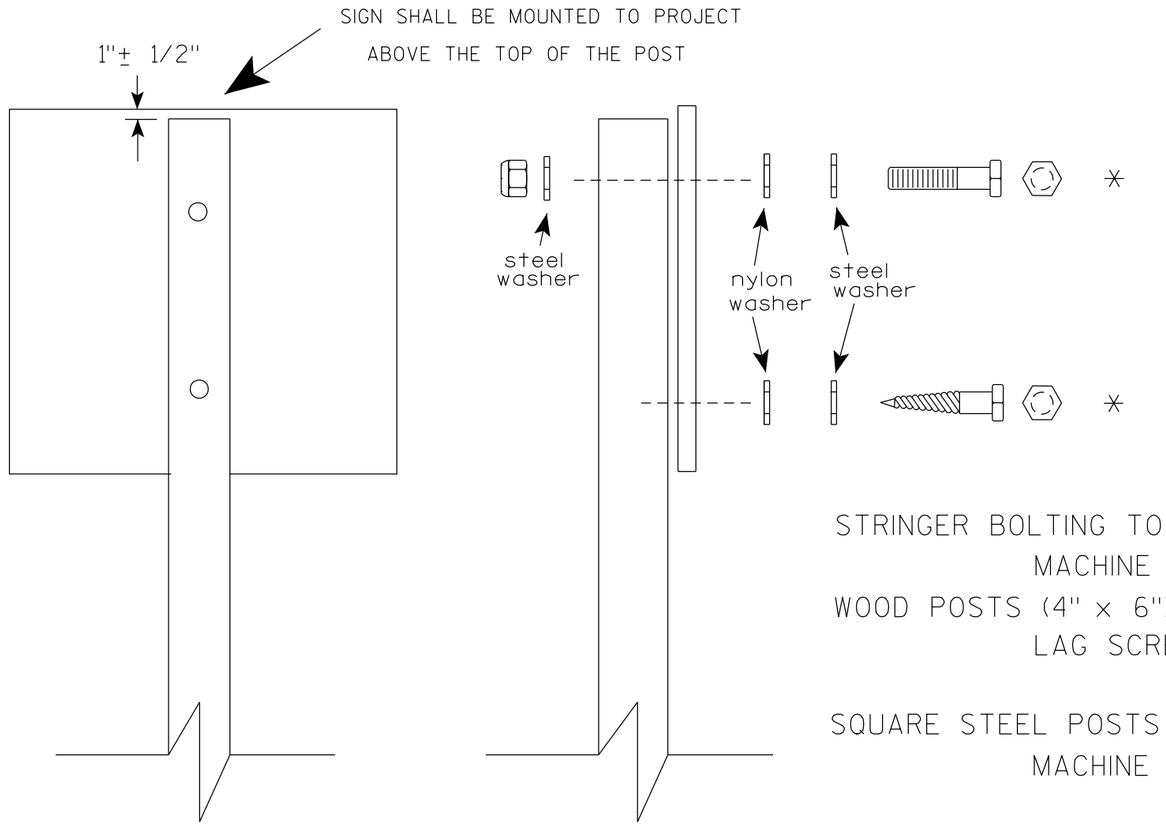
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-4.16

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 72	E



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.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .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, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/2020 PLATE NO. A4-8.9

PROJECT NO:

SHEET NO: 73 E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A48.DGN PLOT DATE : 01-APRIL-2020 PLOT BY : dotc4c

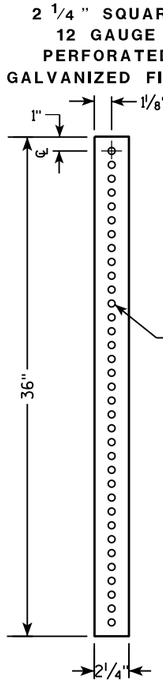
WISDOT/CADDS SHEET 42

7

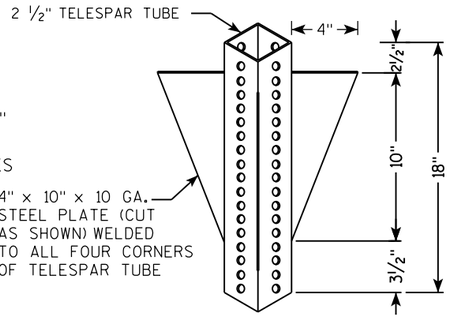
7

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

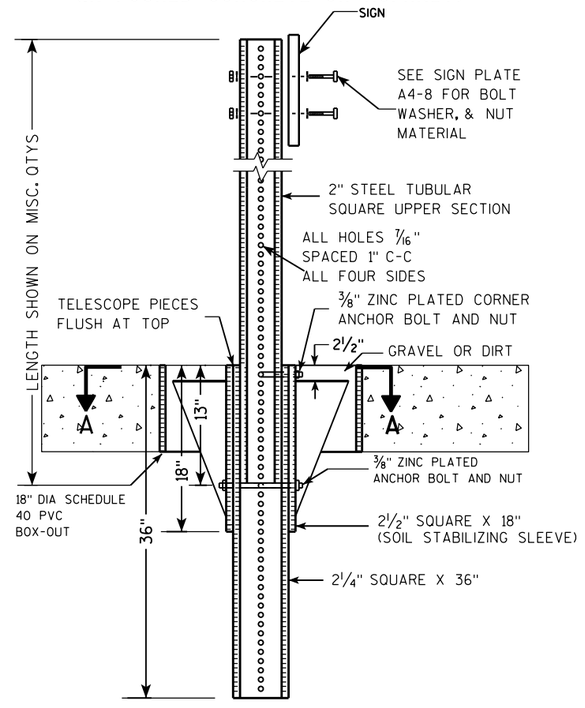
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



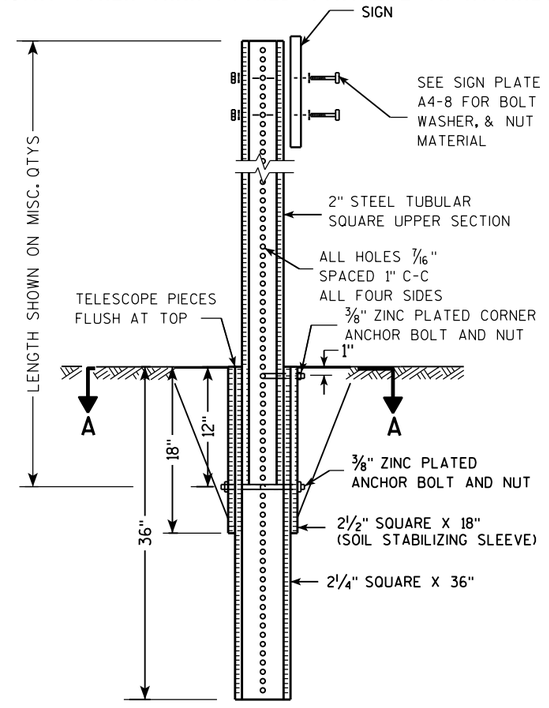
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

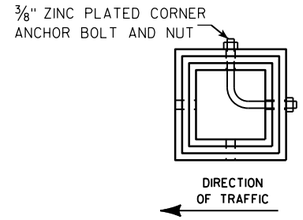


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required 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).

TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

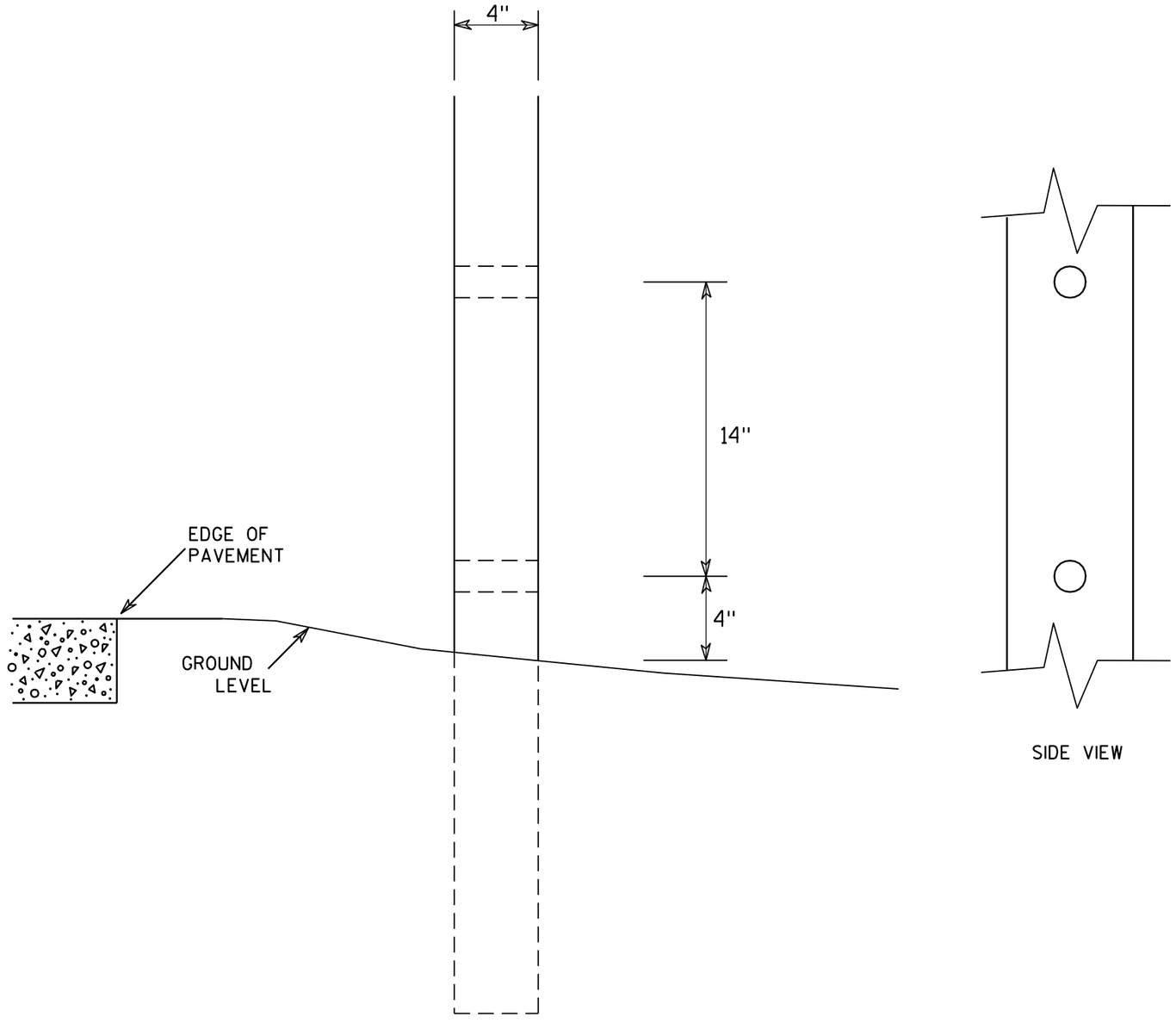
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 74 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE : 05-FEB-2015 17:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000

WISDOT/CADDS SHEET 42



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

7

7

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

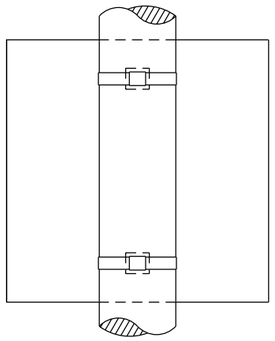
APPROVED Chester J Spang
for State Traffic Engineer

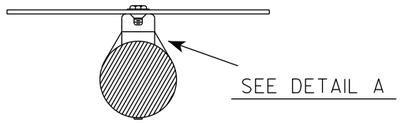
DATE 3/27/97 PLATE NO. A4-11.2

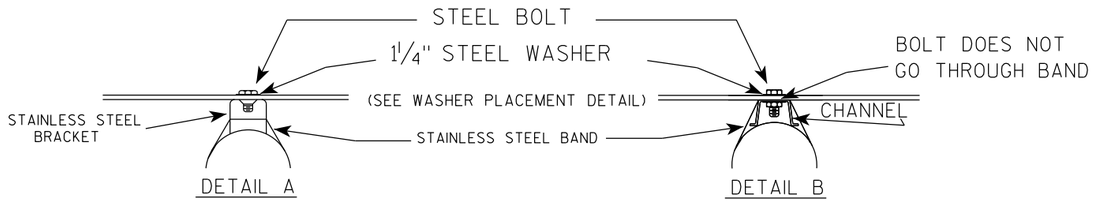
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 75	E

BANDING

SINGLE SIGN



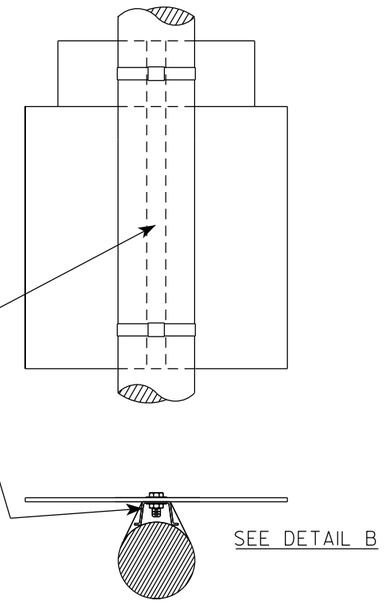




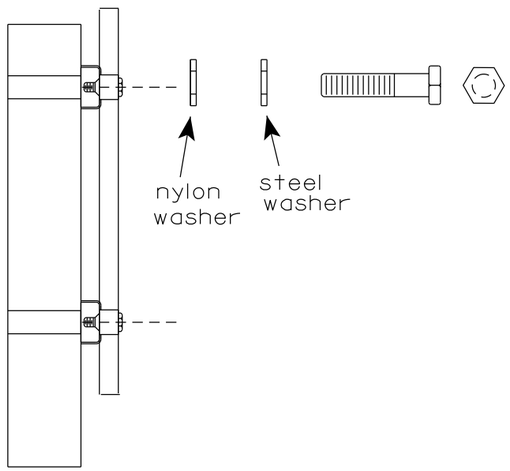
GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.
4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X ⅜" I.D. X 1/16" STEEL
1-1/4" O.D. X ⅜" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

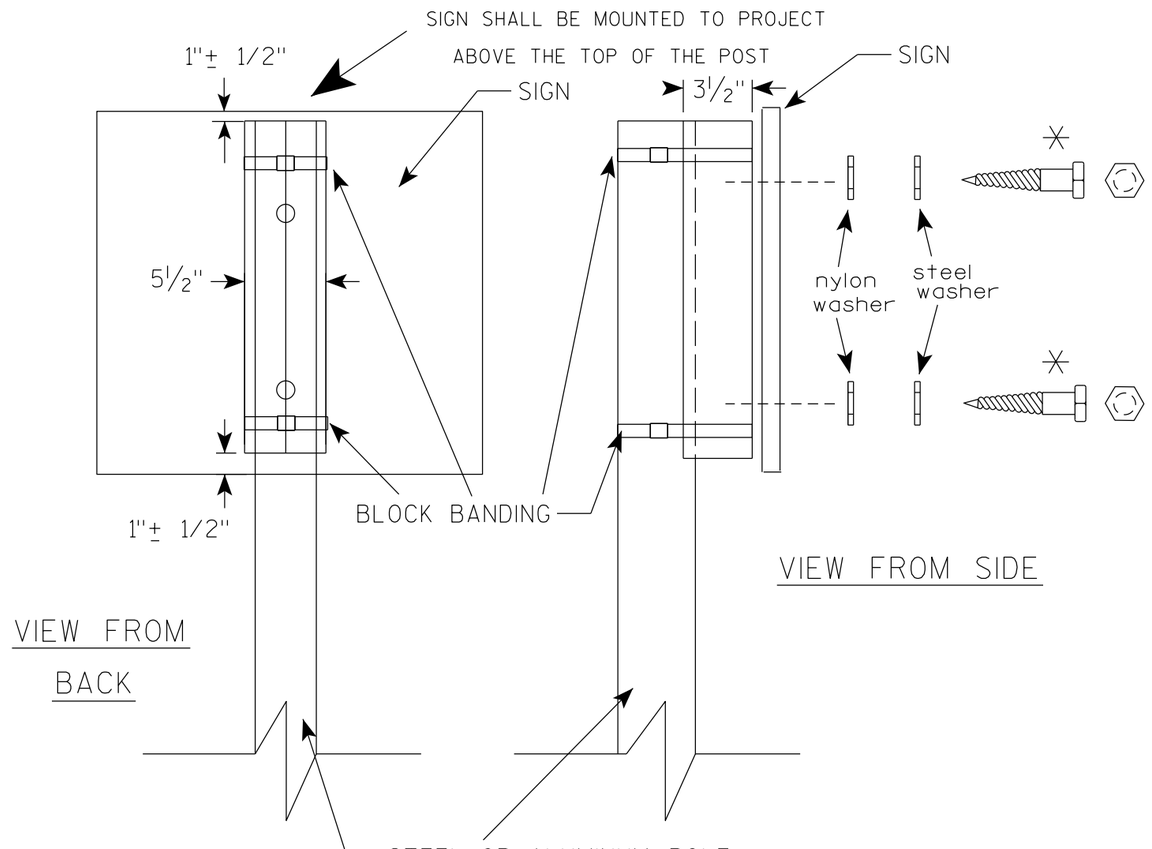
DATE 6/10/19 PLATE NO. A5-9.4

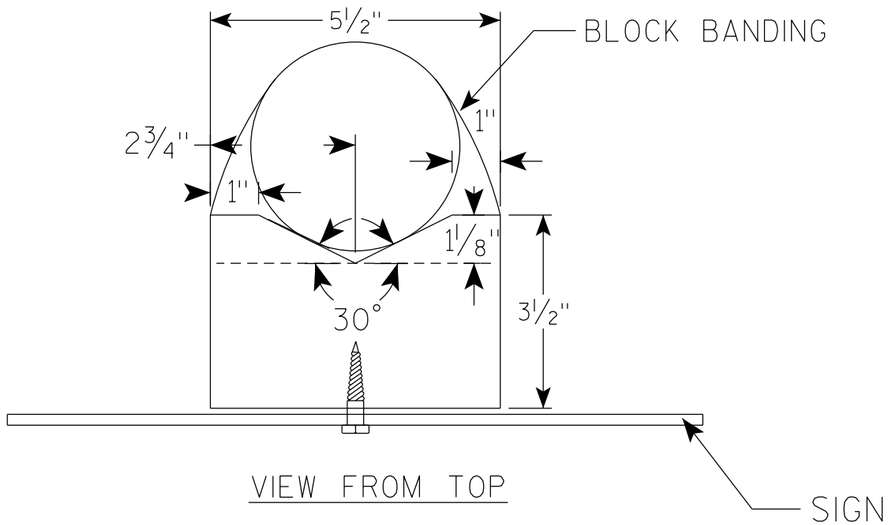
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 76	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn PLOT DATE : 10-JUN 2019 4:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

7





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

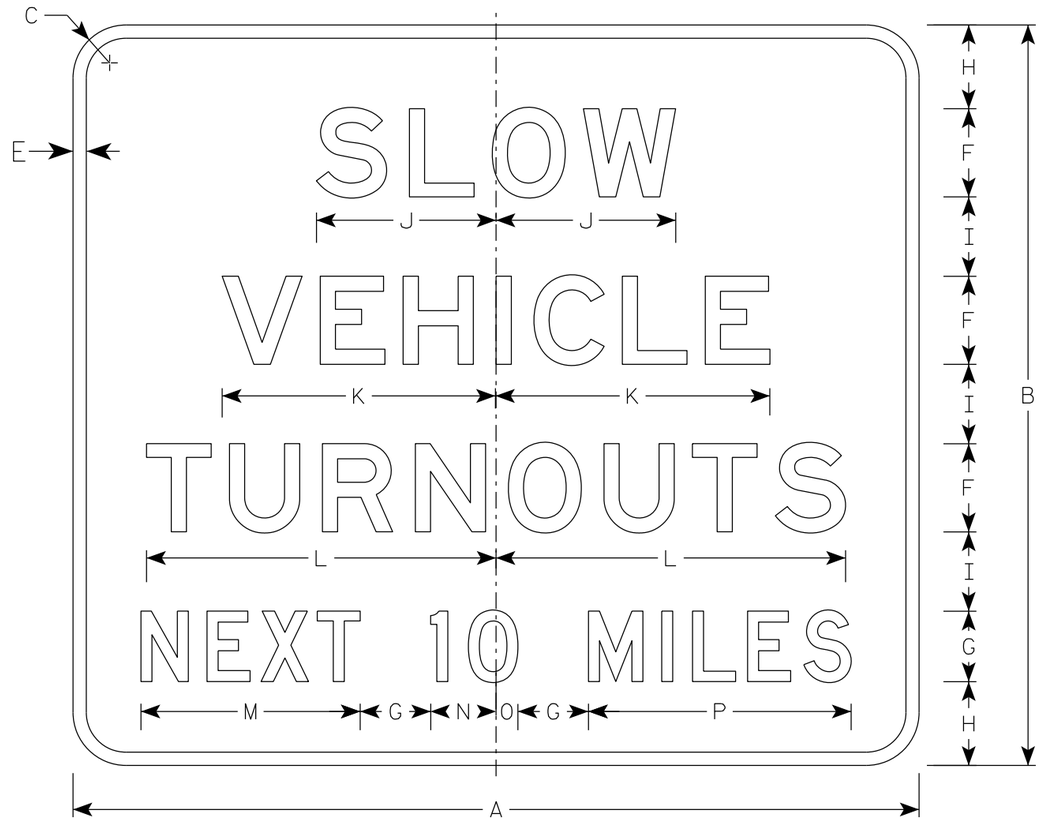
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:

SHEET NO: 77 E



D17-7

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E except line 4 is Series D
4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	42	1 7/8		3/4	5	4	4 3/4	4 1/2	10 1/4	15 1/2	19 3/4	12 1/2	3 3/4	1 1/4	15											14.0
2M	48	42	1 7/8		3/4	5	4	4 3/4	4 1/2	10 1/4	15 1/2	19 3/4	12 1/2	3 3/4	1 1/4	15											14.0
3																											
4																											
5																											

STANDARD SIGN
D17-7

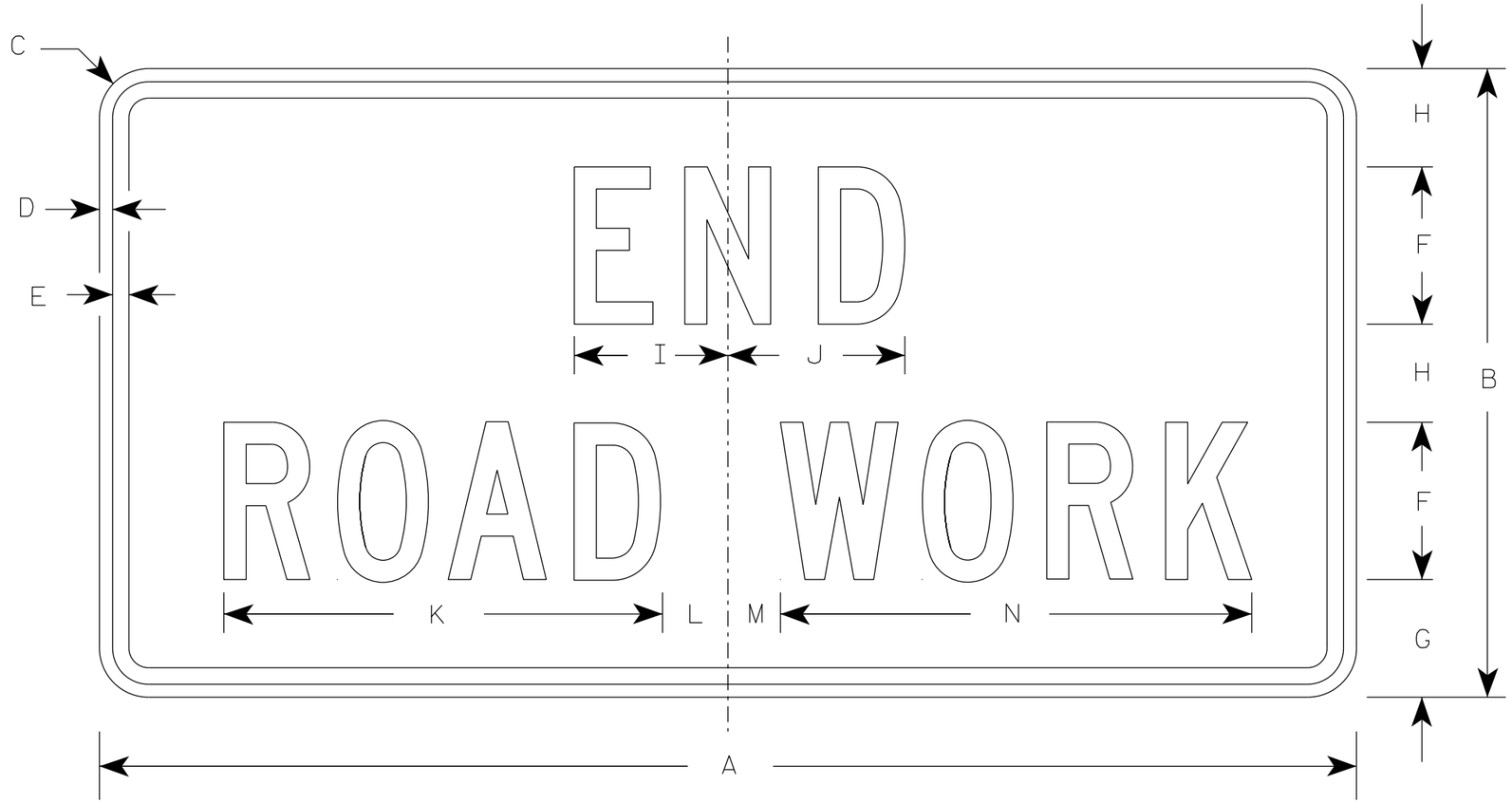
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 3/27/2024 PLATE NO. D17-7.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 78 E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\D177.dgn PLOT DATE : 27-MARCH 2024 2:24 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



G20-2A

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/2	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5
2	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
2M	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
3	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
4	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
5	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0

STANDARD SIGN

G20-2A

WISCONSIN DEPT OF TRANSPORTATION

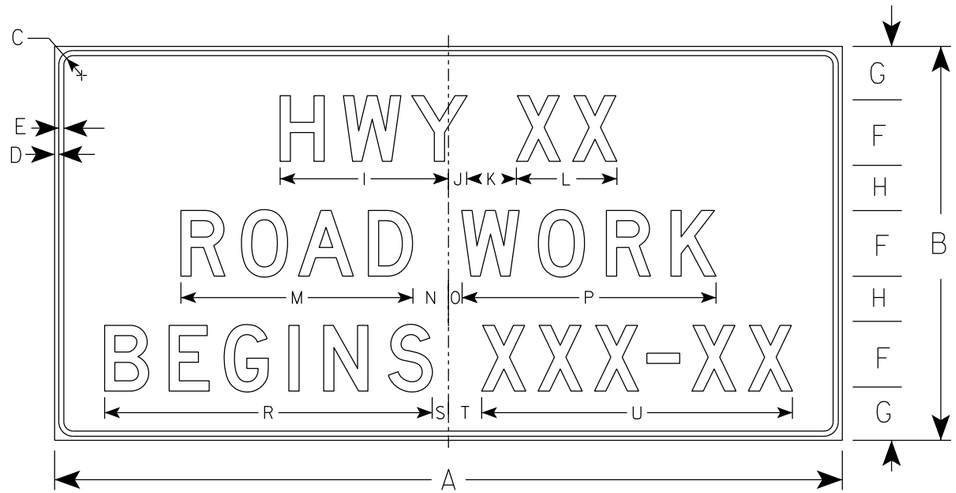
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/26/2023 PLATE NO. G20-2A.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 79 E

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Substitute appropriate numeral and adjust spacing to achieve proper balance.



G20-57

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2																											
3	72	36	1 1/8	1/2	5/8	6	5	4	15 5/8	1 5/8	5	9 1/4	21 1/4	3 1/2	1 1/2	23 1/4		29 7/8	1 3/4	3 1/4	28 1/2						18.0
4	96	48	2 1/4	3/4	1	8	6 1/2	5 1/2	20 5/8	2 1/4	6	12 1/4	28 1/4	4 3/8	1 5/8	31		39 1/4	2	4	37 7/8						32.0
5																											

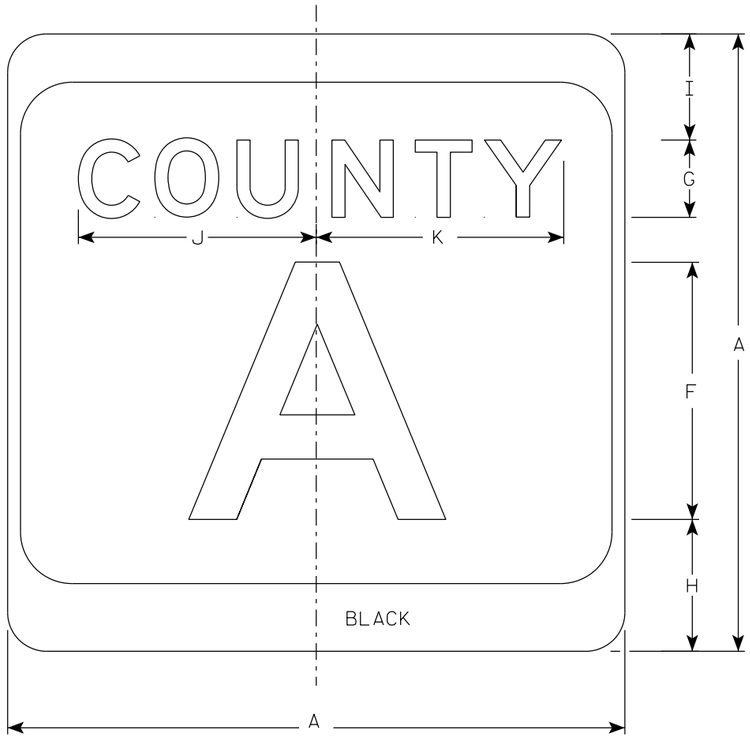
STANDARD SIGN
G20-57

WISCONSIN DEPT OF TRANSPORTATION

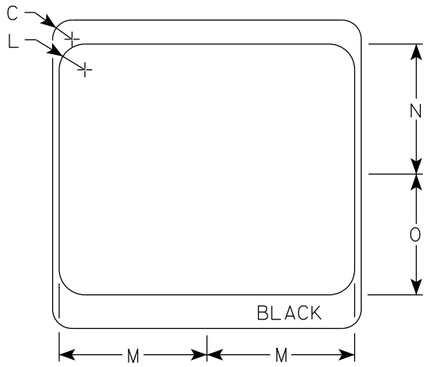
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 1/22/19 PLATE NO. G20-57.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 80 | E

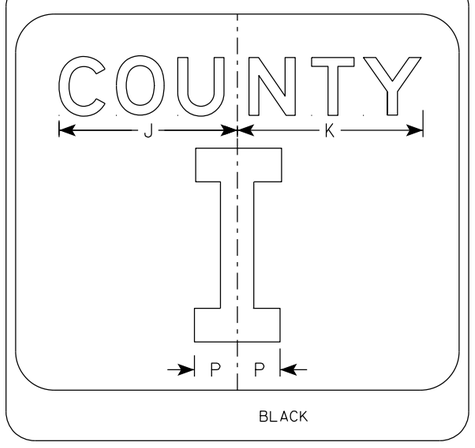


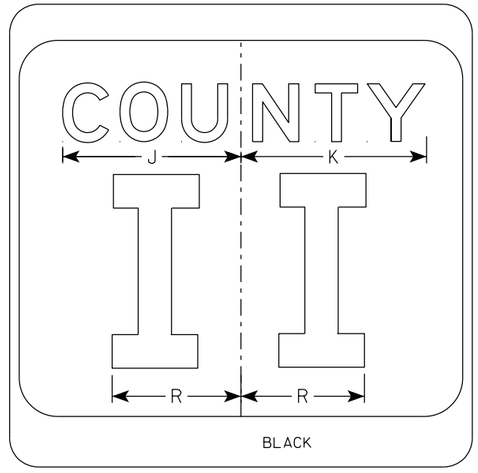
M1-5A



NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White & Black
   Message - Black
3. Message Series - see Note 4
4. Message Series E for 1 letter.
   Message Series D for 2 letters unless message is too big then Series C.
   Message Series C for 3 letters unless message is too big then Series B.
5. Substitute appropriate letters & optically center to achieve proper balance.





SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
2M	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
5	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0

CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

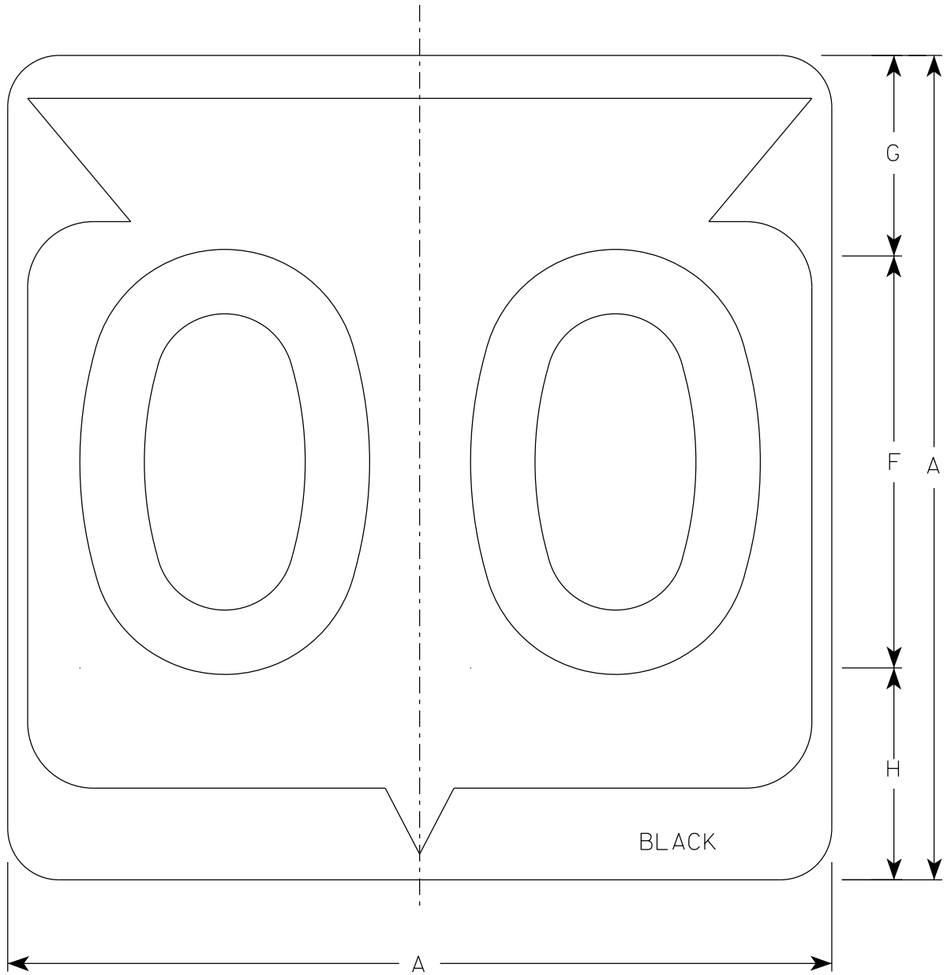
DATE 11/8/2022 PLATE NO. M1-5A.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M15A.dgn PLOT DATE : 8-NOV 2022 8:26 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

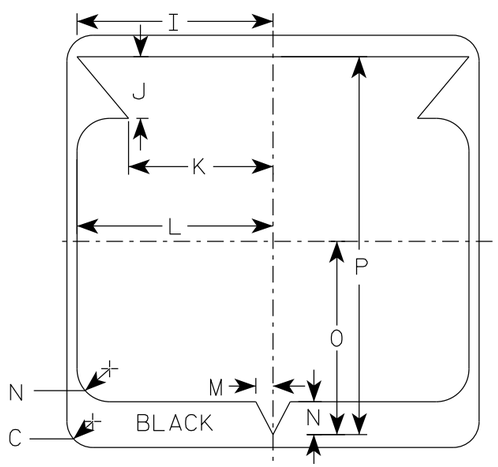
7



M1-6

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs Series C



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0
2M	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0

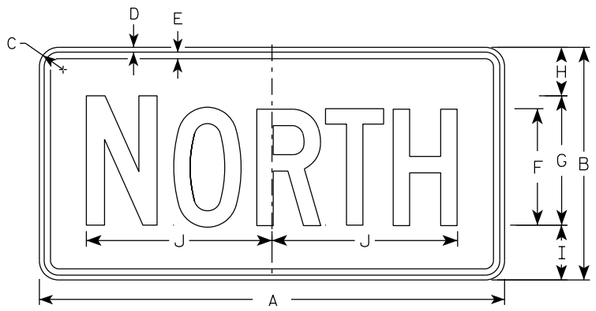
STATE ROUTE MARKER
M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

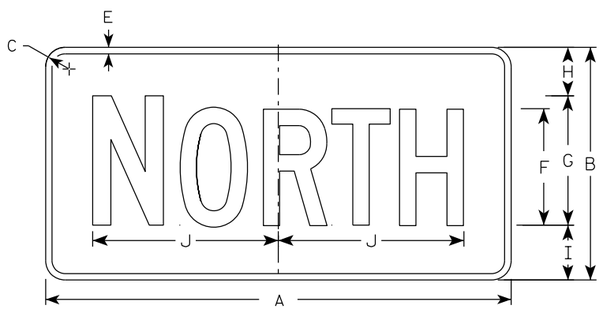
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/8/2022 PLATE NO. M1-6.11

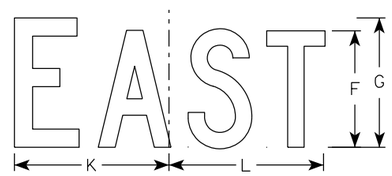
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 82	E



M3-1
MM3-1
MP3-1



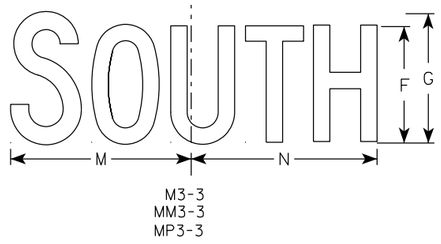
MB3-1
MK3-1
MN3-1



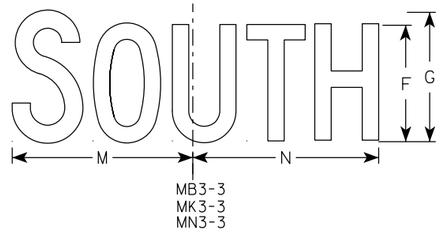
M3-2
MM3-2
MP3-2



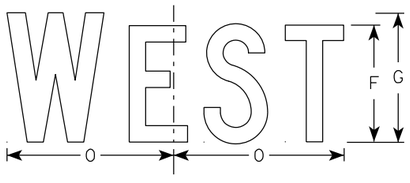
MB3-2
MK3-2
MN3-2



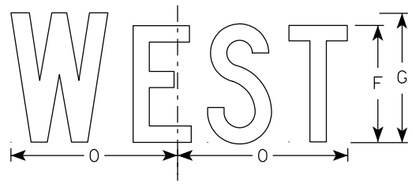
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

1. All Signs Type II - Type H Reflective
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
   MP3-1 thru MP3-4 Background - White
   Message - Blue
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/2	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4												2.00
2M	24	12	1 1/2	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4												2.00
3	36	18	1 1/2	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13												4.5
4	36	18	1 1/2	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13												4.5
5	36	18	1 1/2	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13												4.5

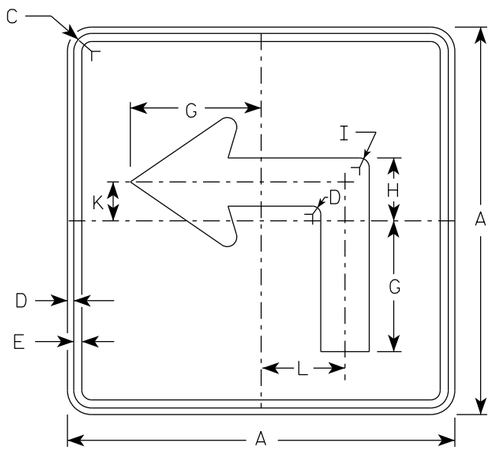
STANDARD SIGNS
M3-1 THRU M3-4
SERIES

WISCONSIN DEPT OF TRANSPORTATION

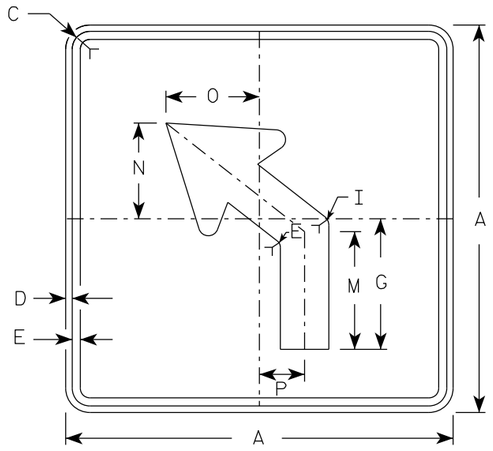
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/8/2023 PLATE NO. M3-1.15

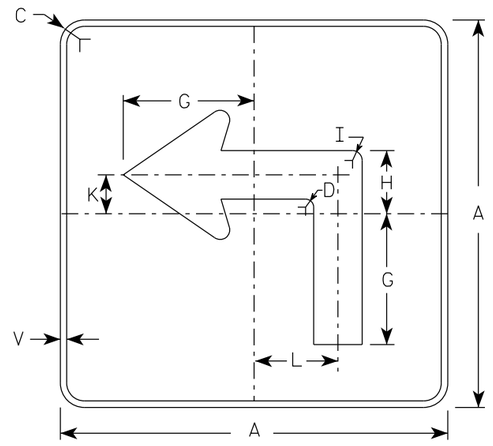
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 83 | E



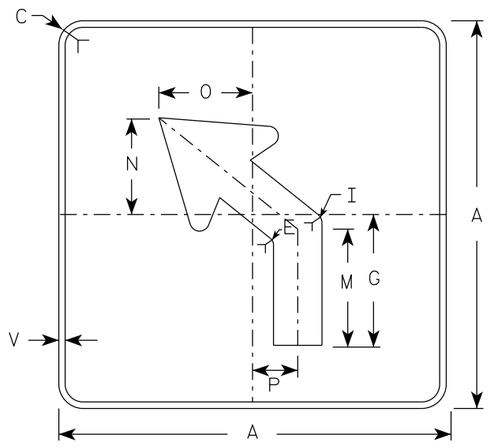
M5-1L
MM5-1L
MO5-1L
MP5-1L



M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L

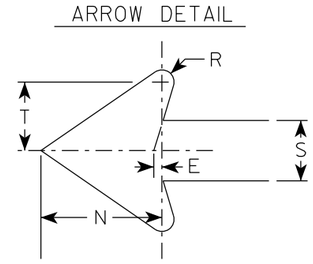


MB5-2L
MK5-2L
MN5-2L
MR5-2L

NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

ARROW DETAIL



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	21		1 1/2	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3		1/2					3.06
2M	21		1 1/2	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3		1/2					3.06
3	30		1 7/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25
4	30		1 7/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25
5	30		1 7/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25

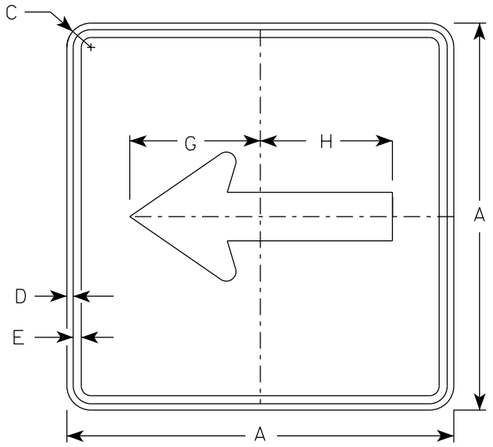
STANDARD SIGN
M5-1 & M5-2

WISCONSIN DEPT OF TRANSPORTATION

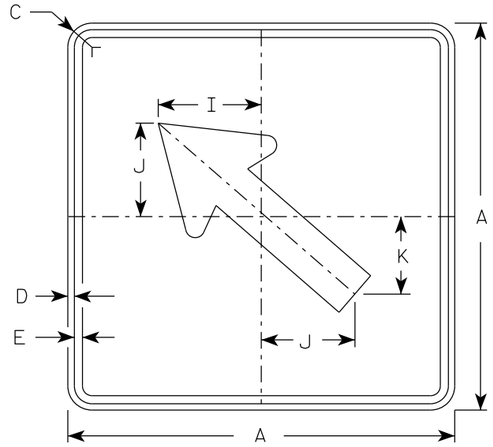
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/13/2023 PLATE NO. M5-1.15

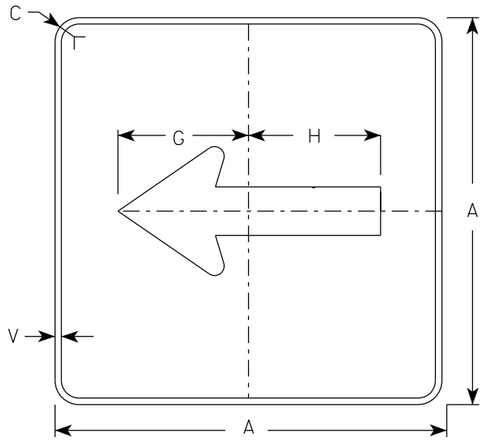
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 84 | E



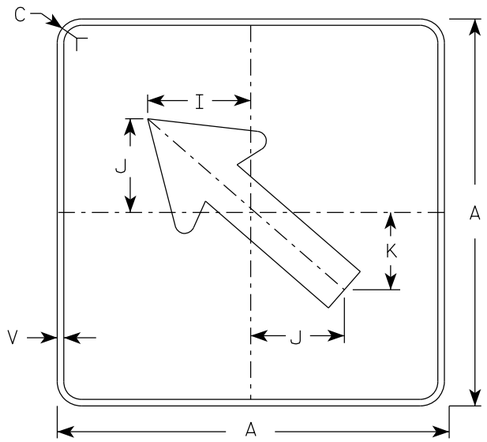
M6-1
MM6-1
MO6-1
MP6-1



M6-2
MM6-2
MO6-2
MP6-2



MB6-1
MK6-1
MN6-1
MR6-1

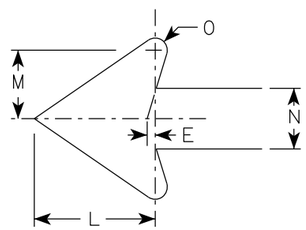


MB6-2
MK6-2
MN6-2
MR6-2

NOTES

1. Signs are Type II - Type H Reflective except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow

ARROW DETAIL



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	21		1 1/2	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2							1/2					3.06
2M	21		1 1/2	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2							1/2					3.06
3	30		1 7/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4							1/2					6.25
4	30		1 7/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4							1/2					6.25
5	30		1 7/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4							1/2					6.25

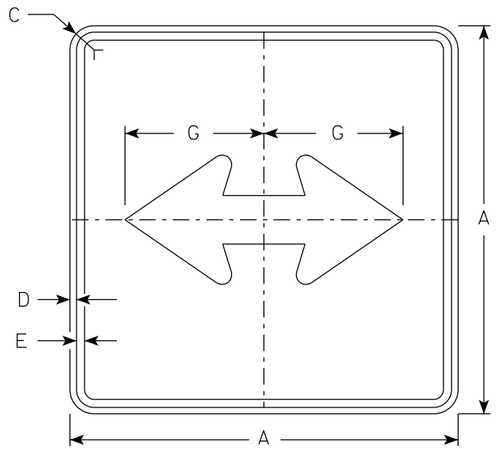
STANDARD SIGN
M6-1 & M6-2
SERIES

WISCONSIN DEPT OF TRANSPORTATION

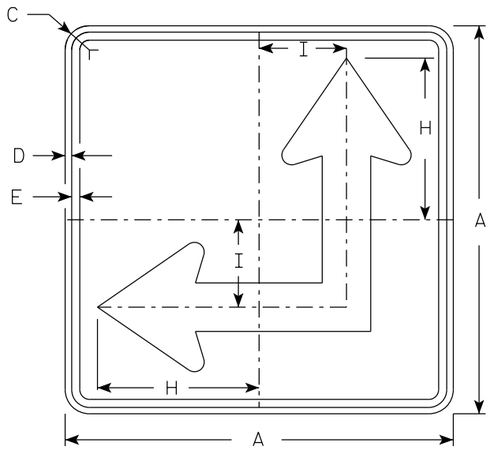
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/13/2023 PLATE NO. M6-1.16

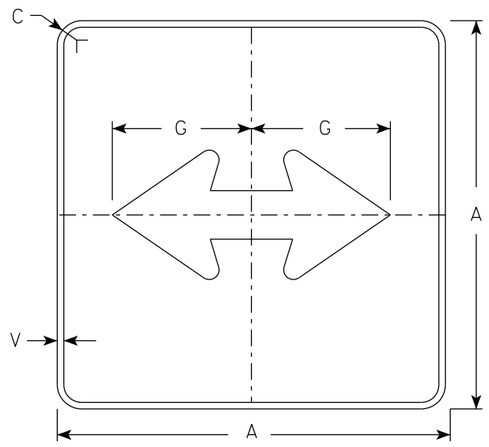
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 85 | E



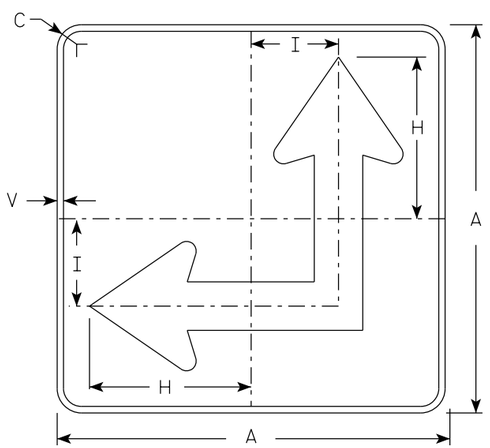
M6-4
MM6-4
MO6-4
MP6-4



M6-6
MM6-6
MO6-6
MP6-6



MB6-4
MK6-4
MN6-4
MR6-4

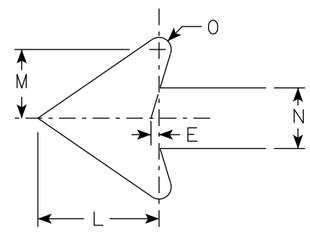


MB6-6
MK6-6
MN6-6
MR6-6

NOTES

1. Signs are Type II - Type H Reflective except as Shown
2. Color:
   Background - See Note 4
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-4 and M6-6 Background - White
   Message - Black
   MB6-4 and MB6-6 Background - Blue
   Message - White
   MK6-4 and MK6-6 Background - Green
   Message - White
   MM6-4 and MM6-6 Background - White
   Message - Green
   MN6-4 and MN6-6 Background - Brown
   Message - White
   MO6-4 and MO6-6 Background - Orange - Type F Reflective
   Message - Black
   MP6-4 and MP6-6 Background - White
   Message - Blue
   MR6-4 and MR6-6 Background - Brown
   Message - Yellow
5. M6-6R same as M6-6L except arrow points ahead and right.

ARROW DETAIL



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	21		1 1/2	3/8	3/8		7 1/2	8 3/4	4 1/4			5 1/4	3	2 5/8	1/2							1/2					3.06
2M	21		1 1/2	3/8	3/8		7 1/2	8 3/4	4 1/4			5 1/4	3	2 5/8	1/2							1/2					3.06
3	30		1 7/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4							1/2					6.25
4	30		1 7/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4							1/2					6.25
5	30		1 7/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4							1/2					6.25

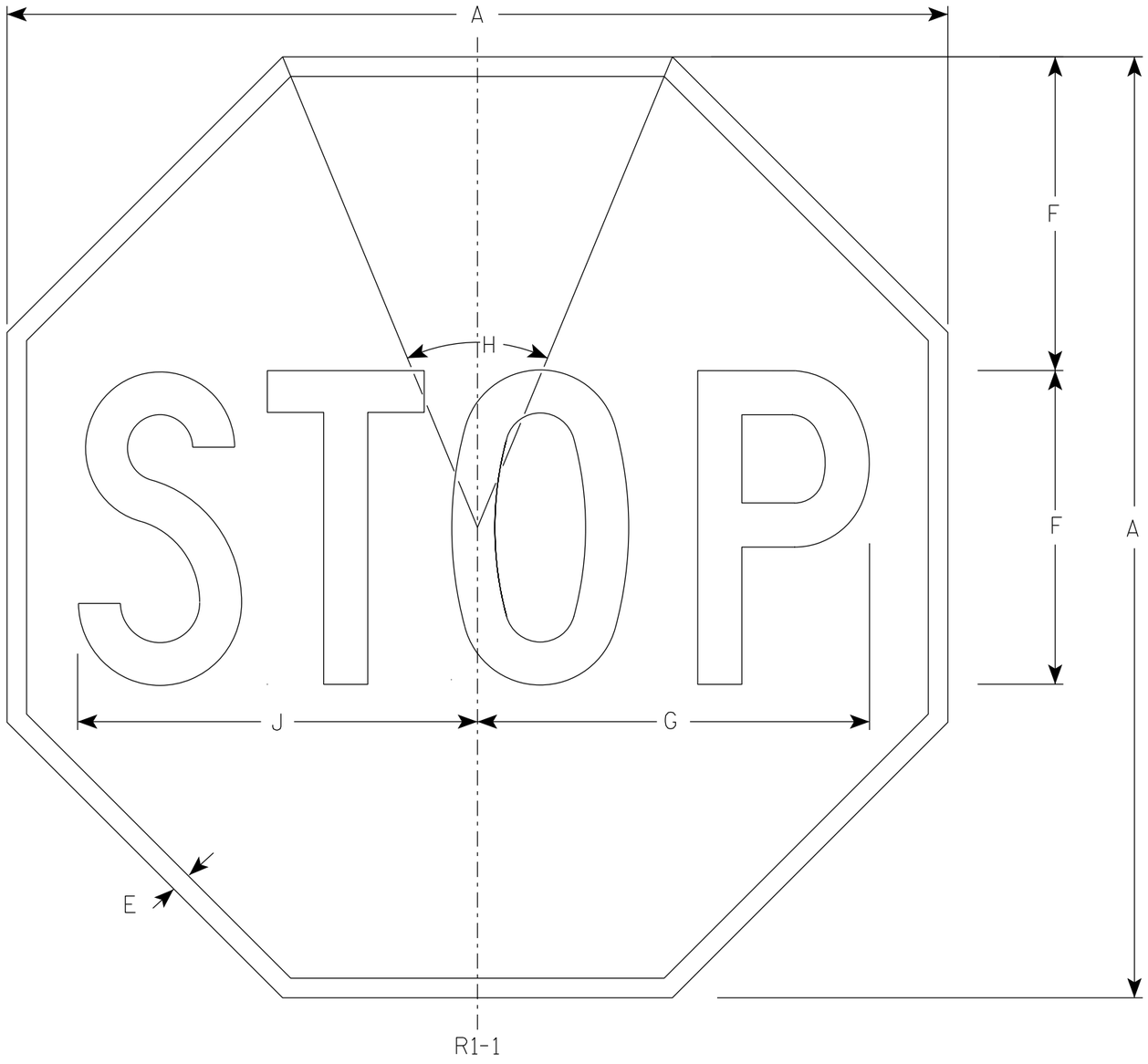
STANDARD SIGN M6-4 & M6-6 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/13/2023 PLATE NO. M6-4.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 86 | E



NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Red
   Message - White
3. Message Series - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86

STANDARD SIGN

R1-1

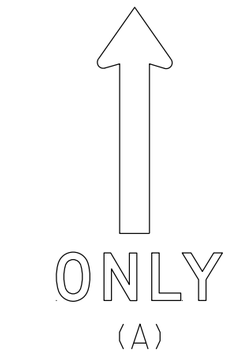
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/9/2025 PLATE NO. R1-1.14

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 87 E

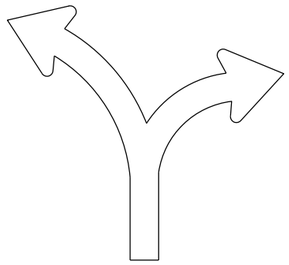
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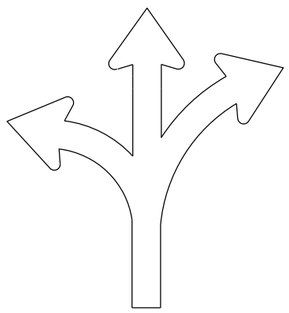


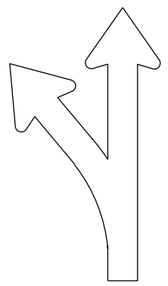
(A)

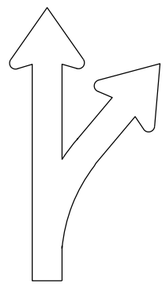


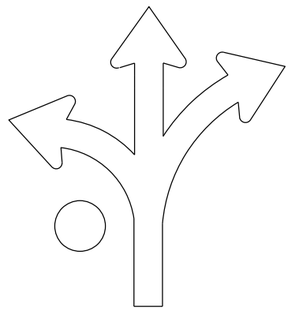
(B)

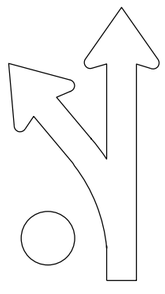

(C)

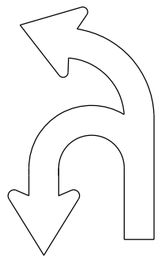

(D)

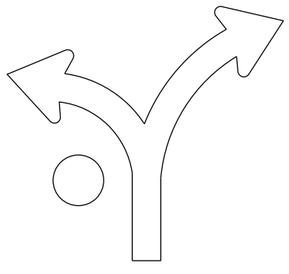

(E)

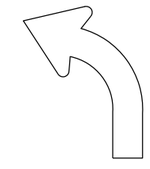

(F)


(G)

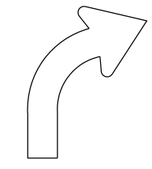

(H)


(I)


(J)



(L)



(R)

NOTES

1. Sigs are Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Use appropriate Letter for Sign Code
   Each letter added makes sign wider. Example R3-8EAR
5. Square footage of sign varies by letters

1	Letter =	3.75 sq ft for Size 2
		6.0 sq ft for Size 3
		10.0 sq ft for Size 4 or 5
2	Letters =	7.5 sq ft for Size 2
		12.0 sq ft for Size 3
		20.0 sq ft for Size 4 or 5
3	Letters =	11.25 sq ft for Size 2
		18.0 sq ft for Size 3
		30.0 sq ft for Size 4 or 5
4	Letters =	15.0 sq ft for Size 2
		24.0 sq ft for Size 3
		40.0 sq ft for Size 4 or 5
5	Letters =	18.75 sq ft for Size 2
		30.0 sq ft for Size 3
		50.0 sq ft for Size 4 or 5
6	Letters =	22.5 sq ft for Size 2
		36.0 sq ft for Size 3
		60.0 sq ft for Size 4 or 5

6. When letters C,D,G,J are used on the Left or Right end of the sign the Sq. Ft. changes.
   Add the amounts when these letters are used:
   1.25 sq ft for Size 2
   1.5 sq ft for Size 3
   2.0 sq ft for Size 4 or 5

STANDARD SIGN
R3-8 Series

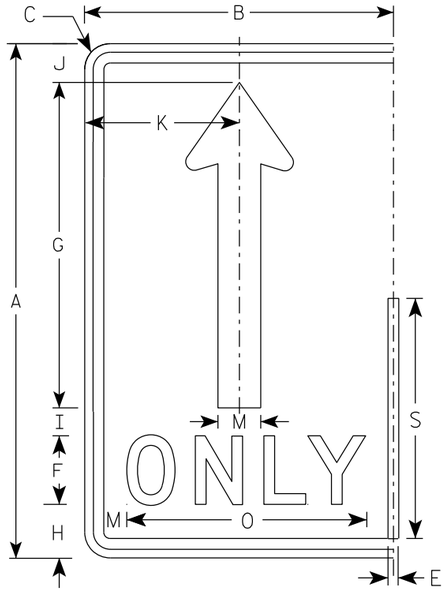
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

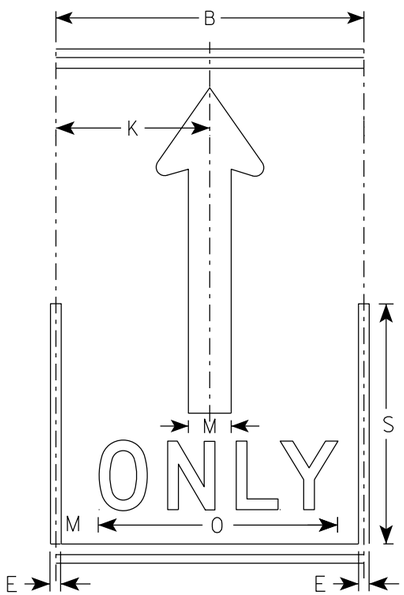
DATE 2/14/23 PLATE NO. R3-8.2

NOTES

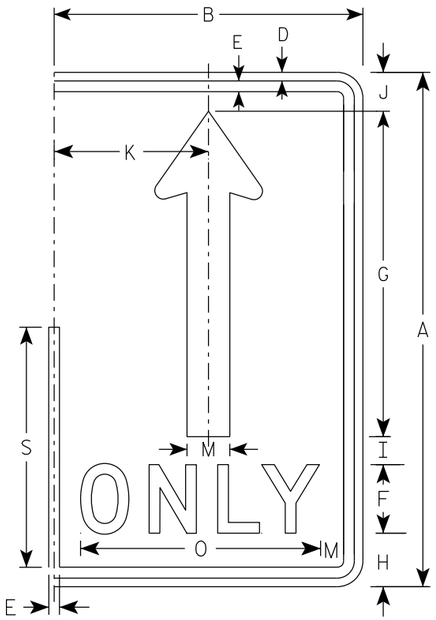
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



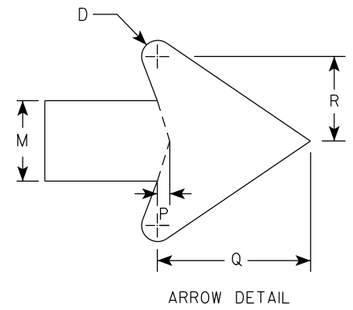
(A)



(A)



(A)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 1/2	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 1/2	1/2	5/8	5	22 3/4	3 3/4	1 3/4	2 3/4	12		3		17 5/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (A) Arrow

WISCONSIN DEPT OF TRANSPORTATION

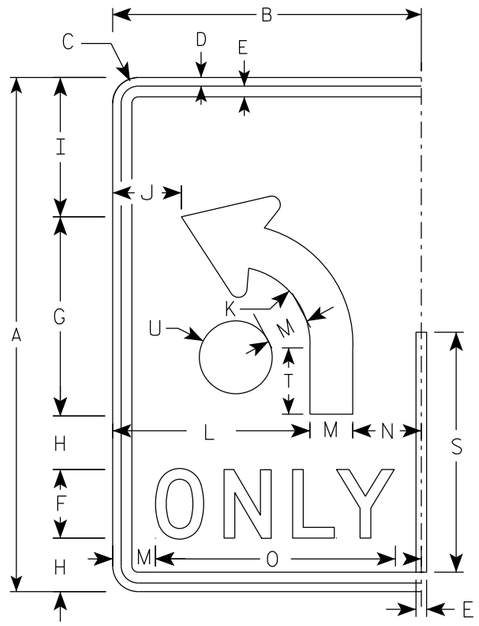
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

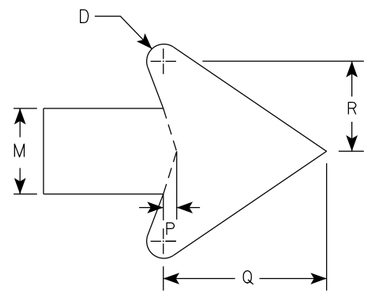
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 89 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
   Message Series - D



(B)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
2M	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
3	36	24	1 1/2	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8	2 1/2						6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0

STANDARD SIGN

R3-8 (B) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

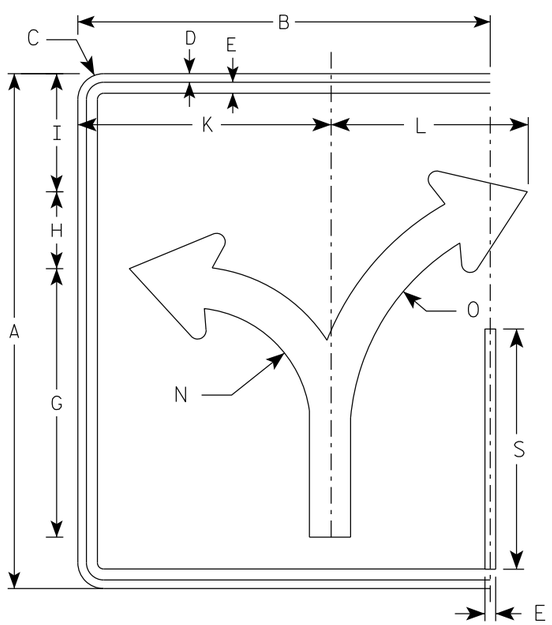
DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO:

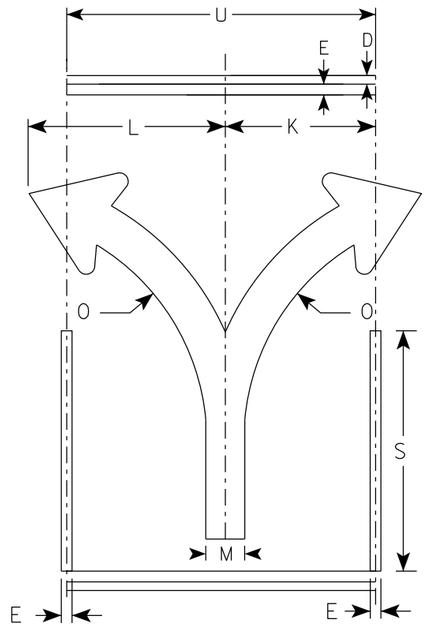
SHEET NO: 90 E

NOTES

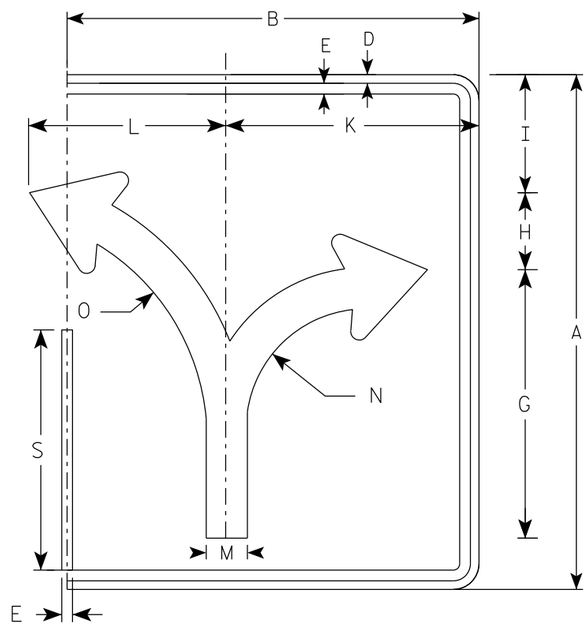
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



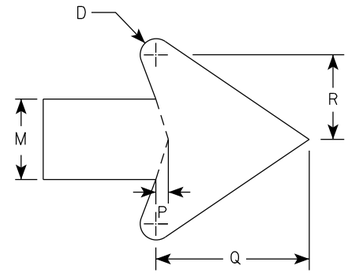
(C)



(C)



(C)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 1/2	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (C) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

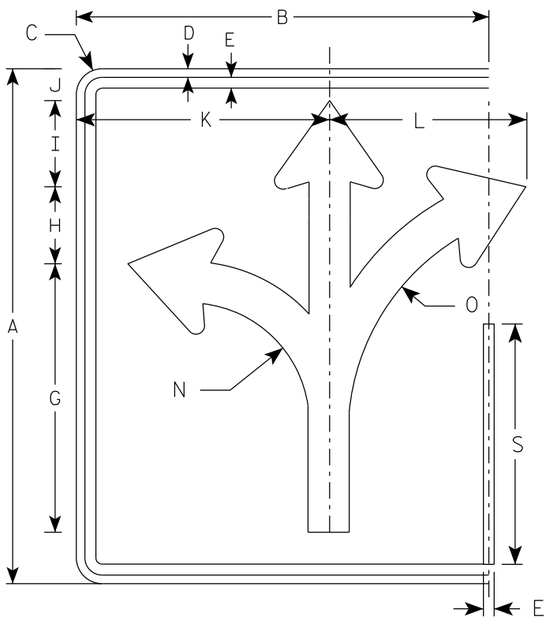
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 91 | E

7

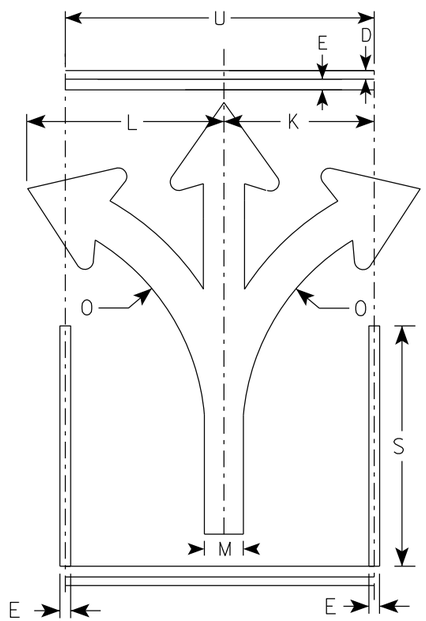
7

NOTES

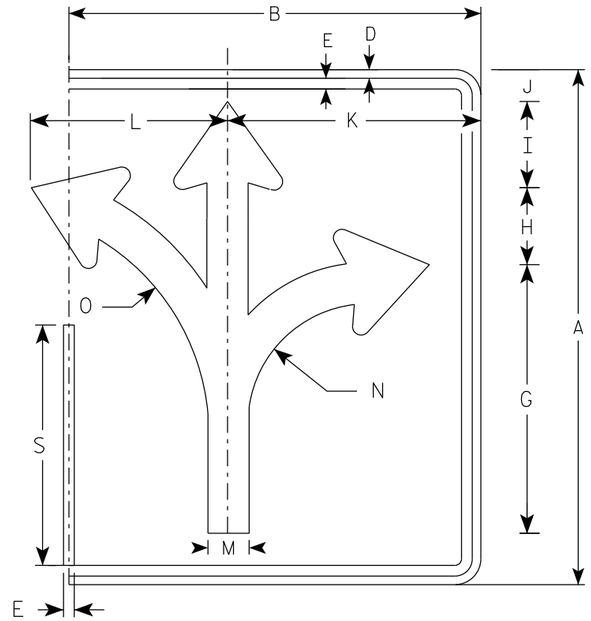
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



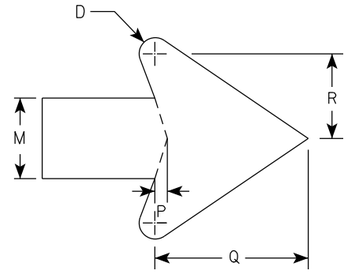
(D)



(D)



(D)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 1/2	1/2	5/8		18 3/4	5 1/2	6	2 1/4	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (D) Arrow

WISCONSIN DEPT OF TRANSPORTATION

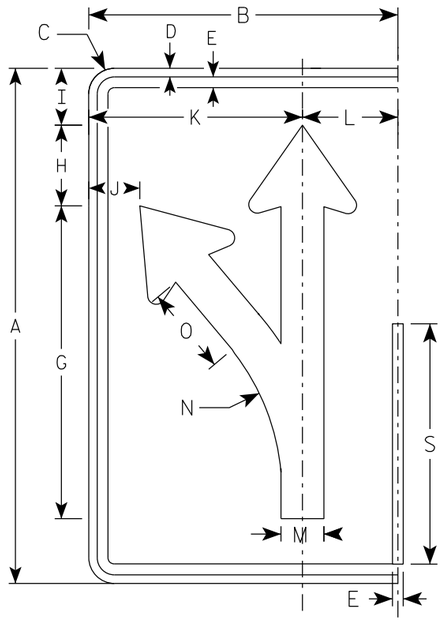
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

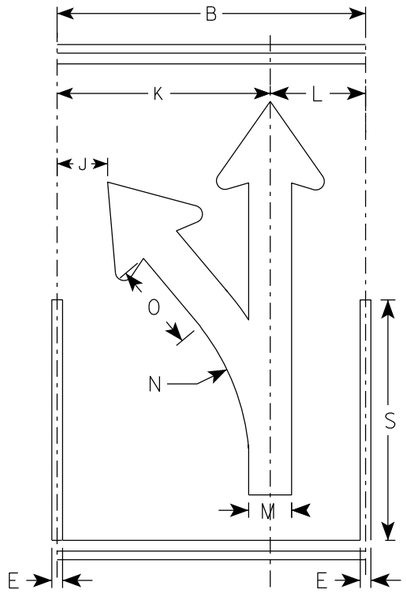
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 92 | E

NOTES

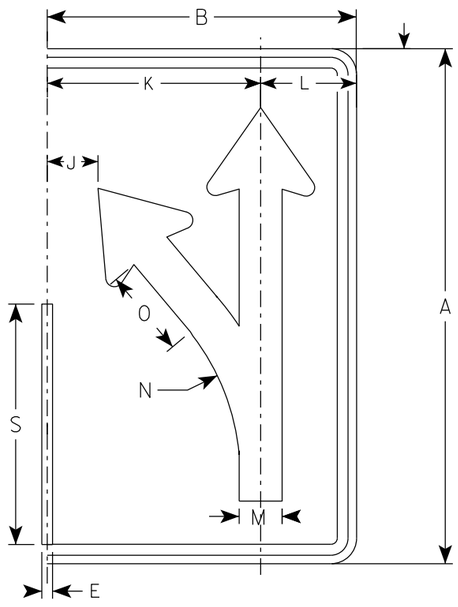
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



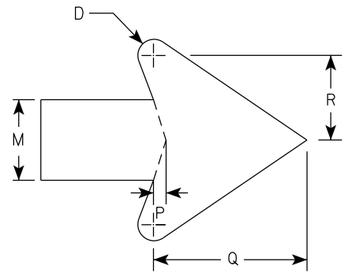
(E)



(E)



(E)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 1/2	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (E) Arrow

WISCONSIN DEPT OF TRANSPORTATION

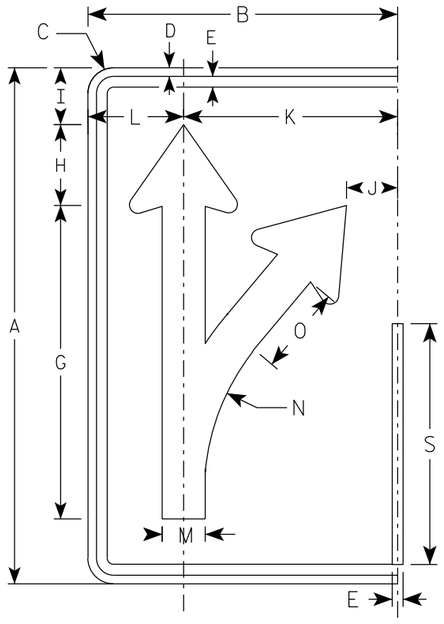
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

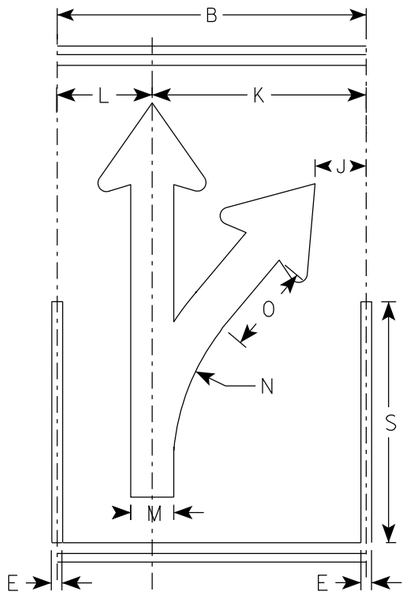
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 93 | E

NOTES

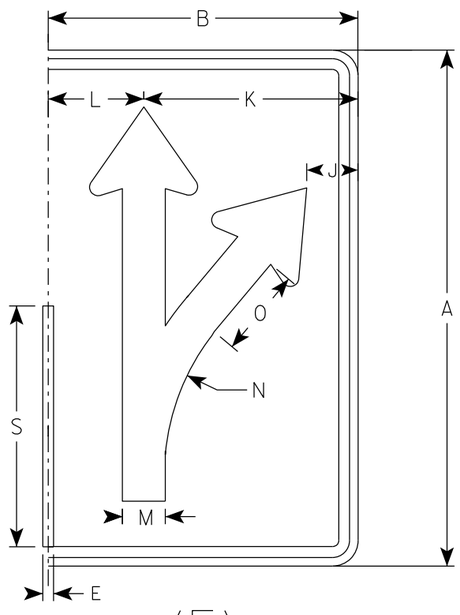
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



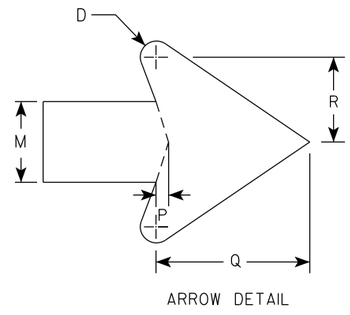
(F)



(F)



(F)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 1/2	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (F) Arrow

WISCONSIN DEPT OF TRANSPORTATION

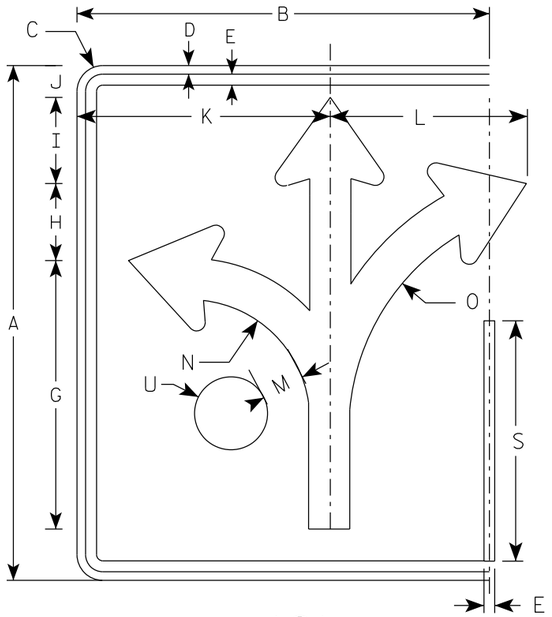
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

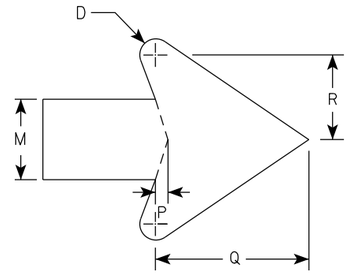
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 94 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(G)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 1/2	1/2	5/8		18 3/4	5 1/2	6	3 1/8	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (G) Arrow

WISCONSIN DEPT OF TRANSPORTATION

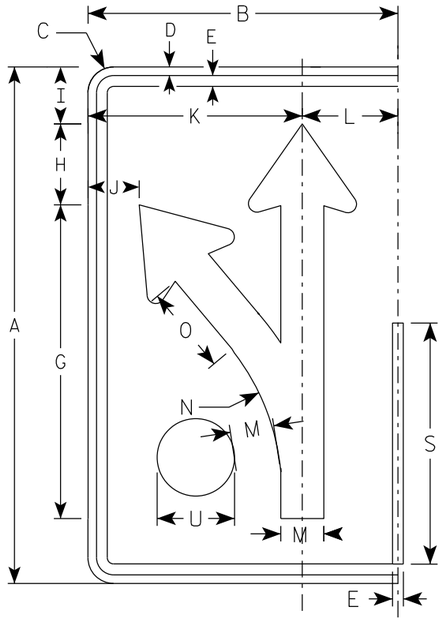
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

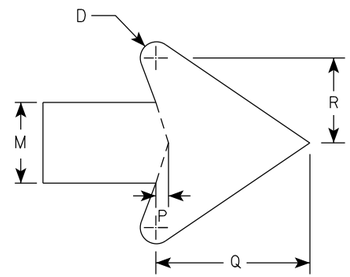
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 95	E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(H)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
2M	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
3	36	24	1 1/2	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4		2 1/2						6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0

STANDARD SIGN
R3-8 (H) Arrow

WISCONSIN DEPT OF TRANSPORTATION

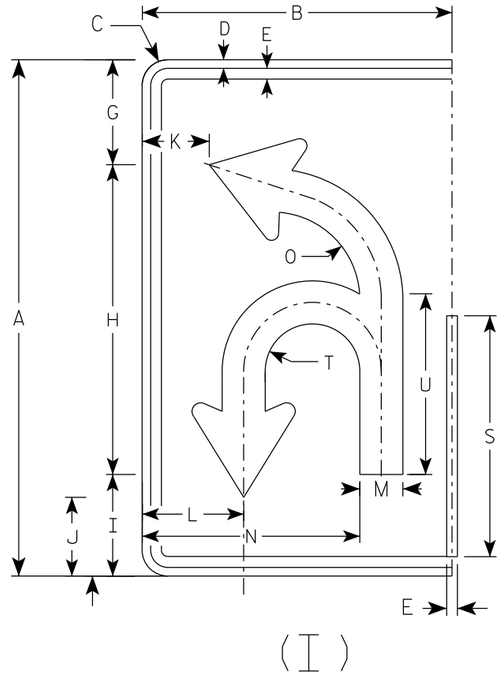
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

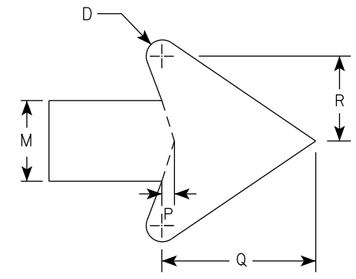
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 96 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(I)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
2M	30	18	1 1/2	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
3	36	24	1 1/2	1/2	5/8		21 7/8	21 5/8	7 1/8	5 1/2	5 7/8	8 1/4	3	16 3/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4	3 1/4	12 5/8						6.0
4	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0
5	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0

STANDARD SIGN
R3-8 (I) Arrow

WISCONSIN DEPT OF TRANSPORTATION

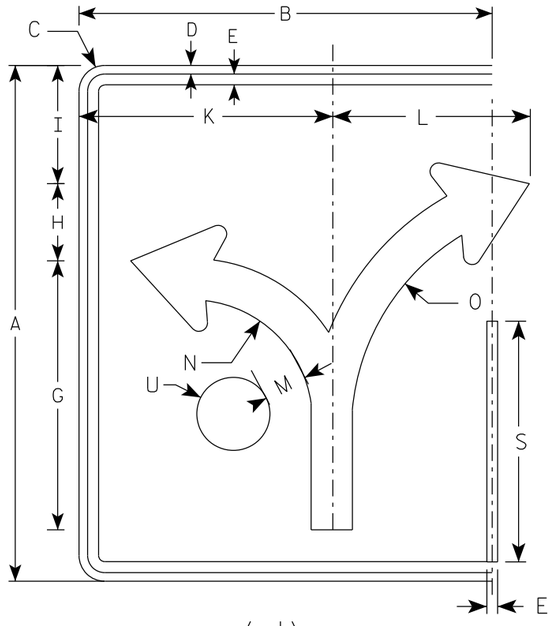
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

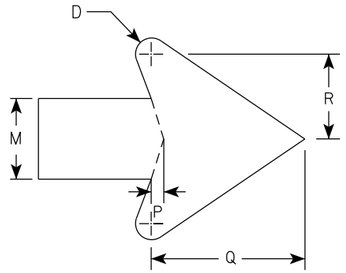
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 97 E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(J)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 1/2	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (J) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

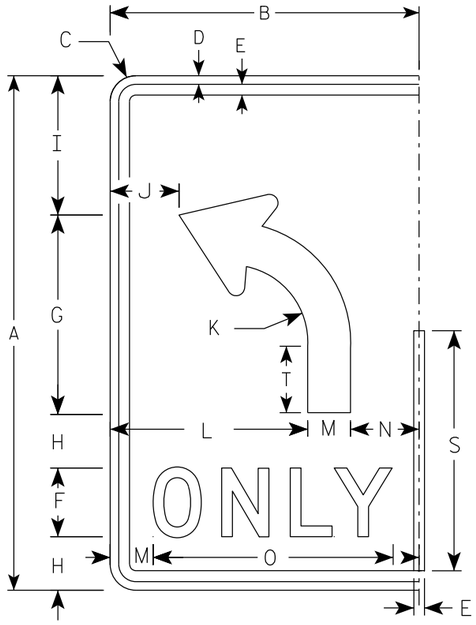
DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 98 | E

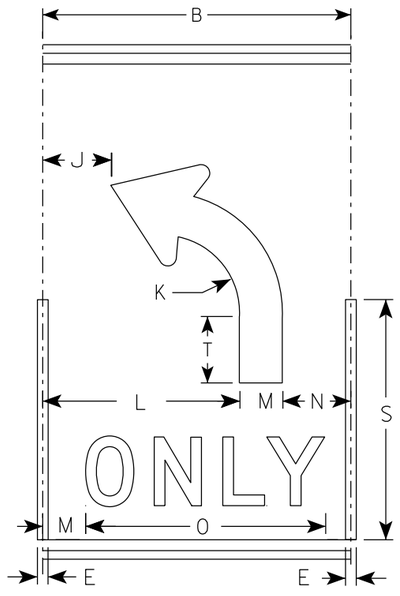
FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn PLOT DATE : 14-FEB 2023 3:18 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

NOTES

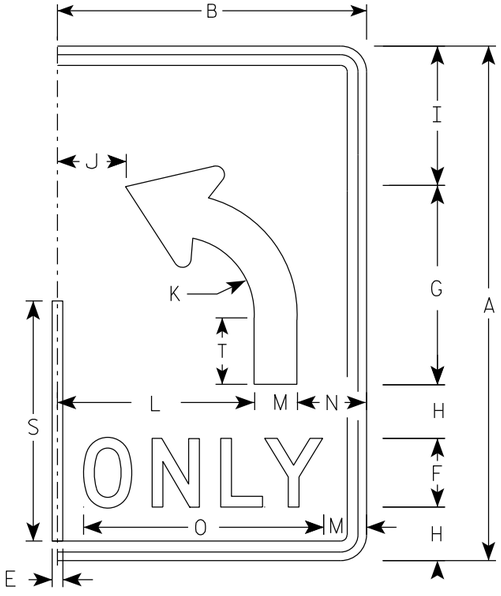
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



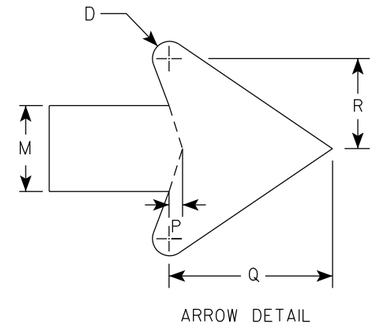
(L)



(L)



(L)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 ½	½	⅝	4	11 ⅝	3 ⅛	8 ⅛	4	4 ½	11 ½	2 ½	4	14	⅜	4 ¾	2 ⅝	14	3 ⅞							3.75
2M	30	18	1 ½	½	⅝	4	11 ⅝	3 ⅛	8 ⅛	4	4 ½	11 ½	2 ½	4	14	⅜	4 ¾	2 ⅝	14	3 ⅞							3.75
3	36	24	1 ½	½	⅝	5	14	3 ½	9 ¾	6	5 ⅜	15	3	6	17 ⅝	½	5 ¾	3 ⅛	16 ¾	4 ⅝							6.0
4	48	30	2 ¼	¾	1	6	18 ⅝	5 ⅛	13 ⅛	6 ⅛	7 ¼	18	4	8	21 ¾	⅝	7 ⅝	4 ¼	22 ⅜	6 ¼							10.0
5	48	30	2 ¼	¾	1	6	18 ⅝	5 ⅛	13 ⅛	6 ⅛	7 ¼	18	4	8	21 ¾	⅝	7 ⅝	4 ¼	22 ⅜	6 ¼							10.0

STANDARD SIGN

R3-8 (L) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

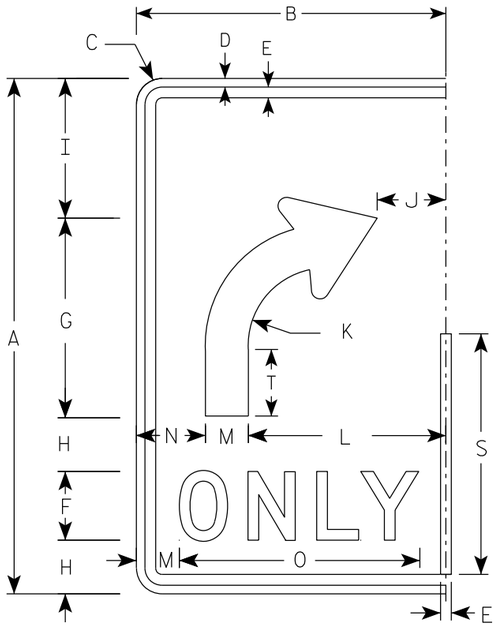
DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO:

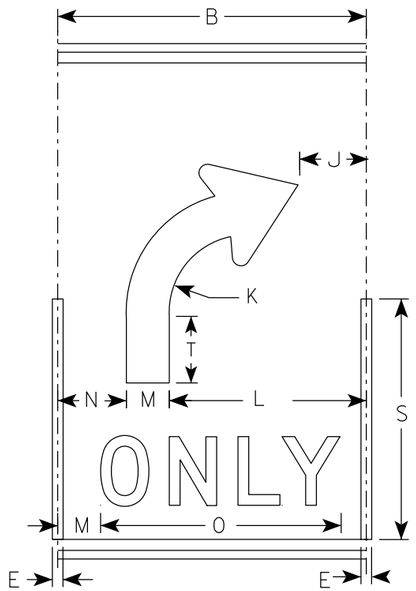
SHEET NO: 99 E

NOTES

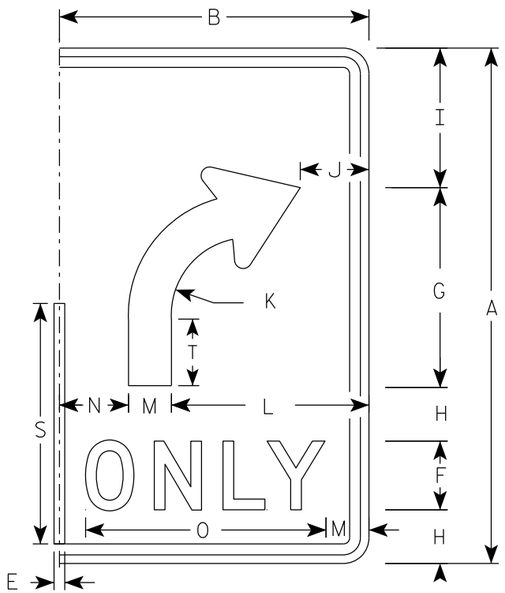
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



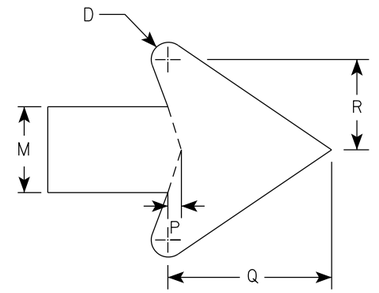
(R)



(R)



(R)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 1/2	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN

R3-8 (R) Arrow

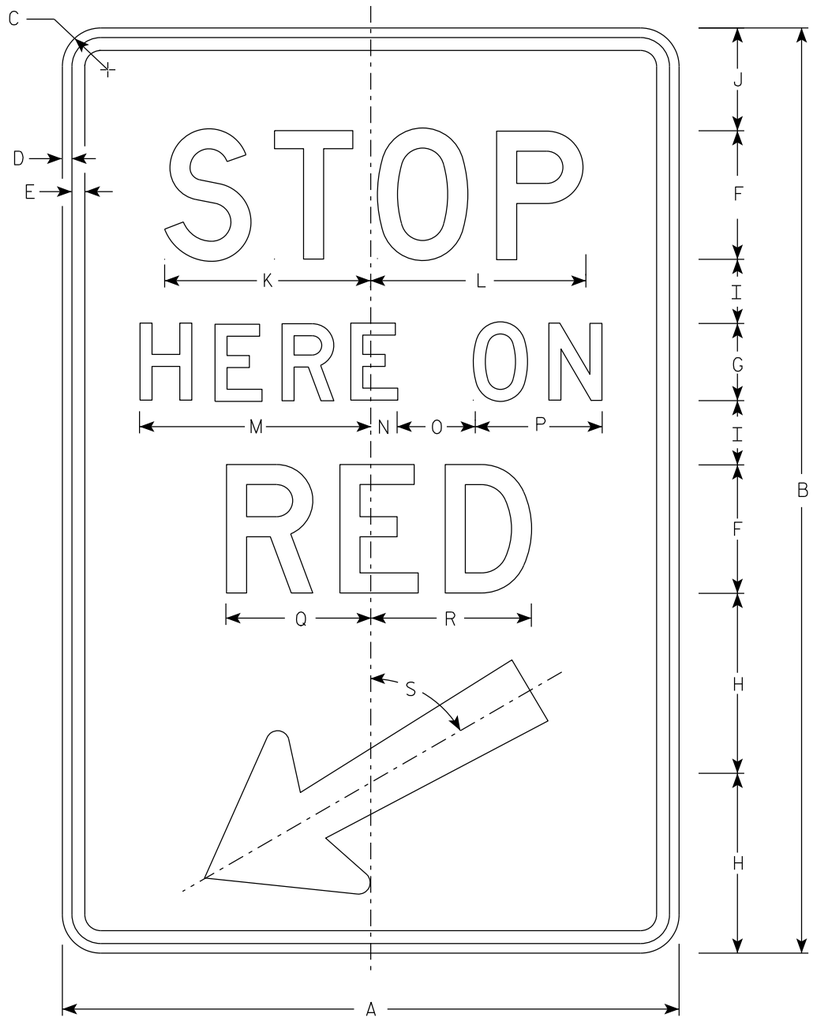
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO:

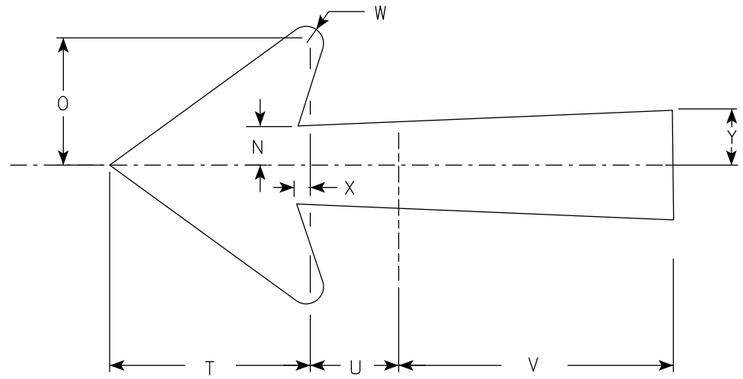
SHEET NO: 100 E



R10-6

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Areq sq. ft.
1																											
2S	24	36	1 1/2	3/8	1/2	5	3	7	2 1/2	4	8	8 3/8	9	1	3	5	5 5/8	6 1/4	60°	5 1/4	2 1/4	7 1/8	1/2	3/8	1 3/8		6.0
2M	24	36	1 1/2	3/8	1/2	5	3	7	2 1/2	4	8	8 3/8	9	1	3	5	5 5/8	6 1/4	60°	5 1/4	2 1/4	7 1/8	1/2	3/8	1 3/8		6.0
3																											
4																											
5																											

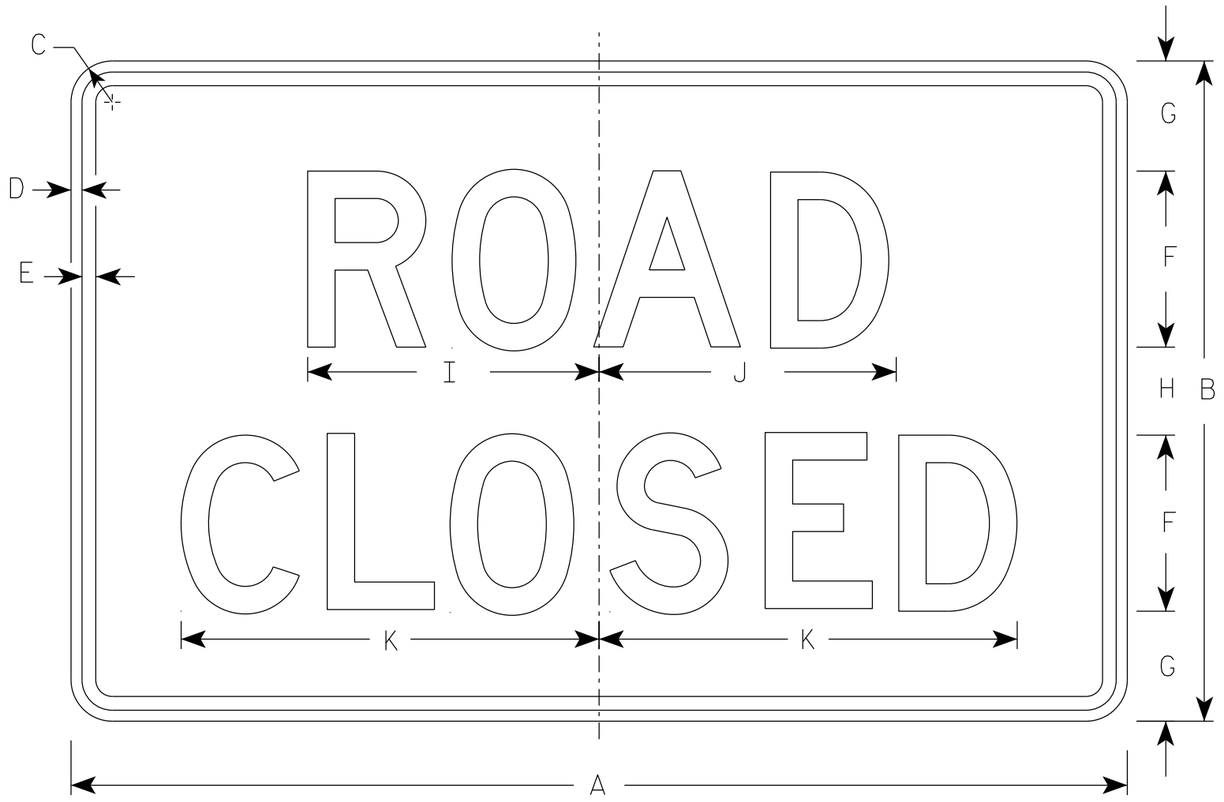
STANDARD SIGN
R10-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/25/24 PLATE NO. R10-6.7

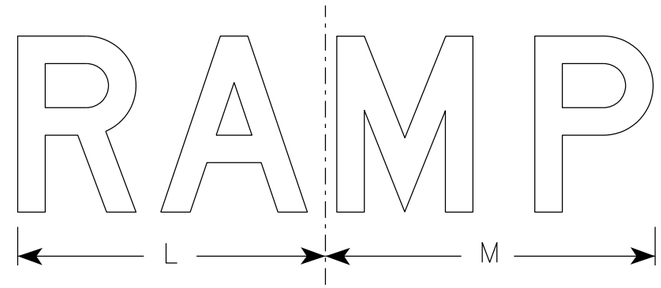
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 101	E



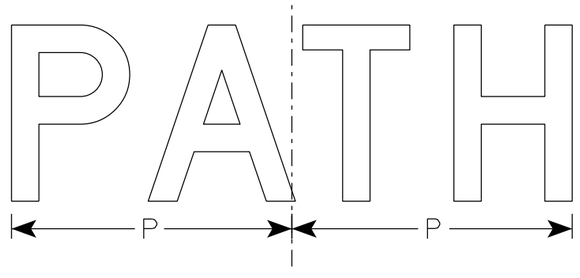
R11-2

NOTES

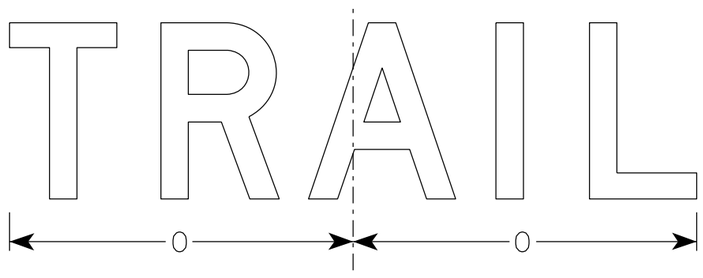
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



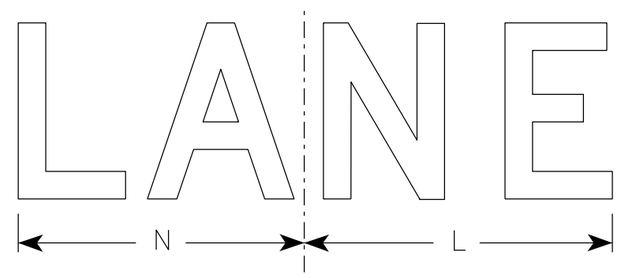
R11-2R



R11-2C



R11-2T



R11-2L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8	12 3/4											10.0
2M	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8	12 3/4											10.0
3	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8	12 3/4											10.0
4	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8	12 3/4											10.0
5	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8	12 3/4											10.0

STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

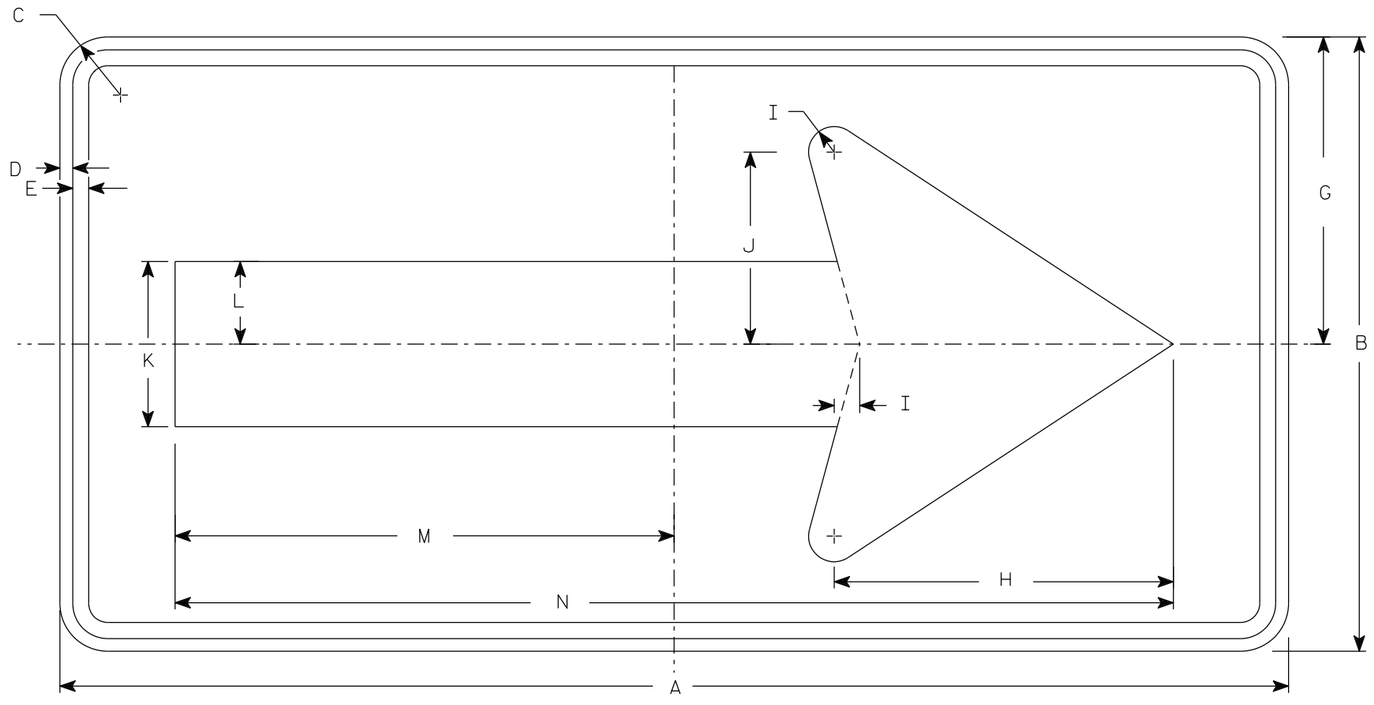
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/3/26 PLATE NO. R11-2.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black



W1-6

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/2	3/8	3/8		9	10	3/4	5 5/8	4 3/4	2 3/8	14 5/8	29 1/4													4.5
2S	48	24	1 7/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 7/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 7/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 7/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	96	48	3	3/4	1		24	26 1/2	2	15	13	6 1/2	39	78													32.0

STANDARD SIGN

W1-6

WISCONSIN DEPT OF TRANSPORTATION

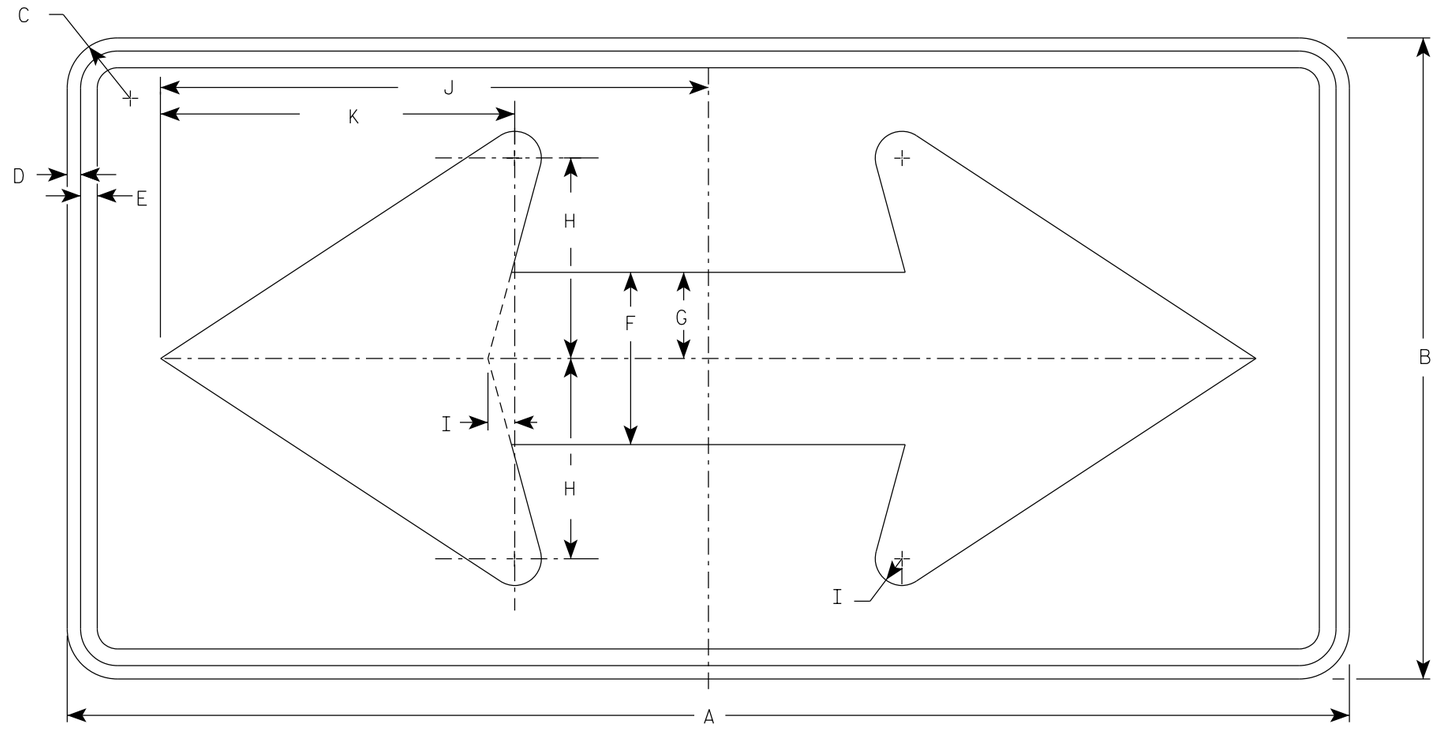
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/13/2023 PLATE NO. W1-6.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black



W1-7

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/2	3/8	1/2	5	2 1/2	5 3/4	3/4	15 5/8	10 1/8																4.5
2S	48	24	1 7/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
2M	48	24	1 7/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
3	60	30	1 7/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
4	60	30	1 7/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
5	96	48	3	3/4	1	13	6 1/2	15	2	41	26 1/2																32.0

STANDARD SIGN
W1-7

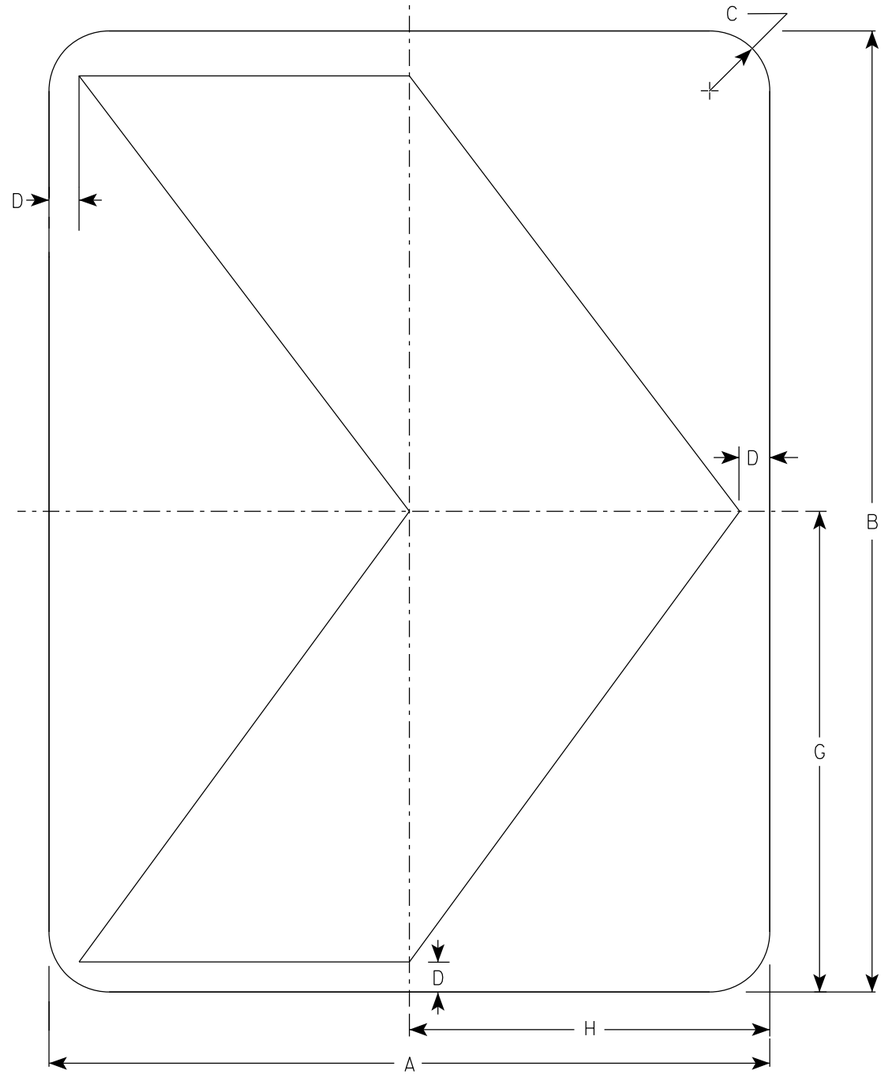
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/10/2023 PLATE NO. W1-7.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W17.dgn PLOT DATE : 10-MAY 2023 3:05 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



W1-8

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 ½	½			9	6																			1.5
2S	18	24	1 ½	¾			12	9																			3.0
2M	18	24	1 ½	¾			12	9																			3.0
3	24	30	1 ½	1			15	12																			5.0
4	30	36	1 ⅞	1 ¼			18	15																			7.5
5	36	48	1 ⅞	1 ½			24	18																			12.0

STANDARD SIGN

W1-8

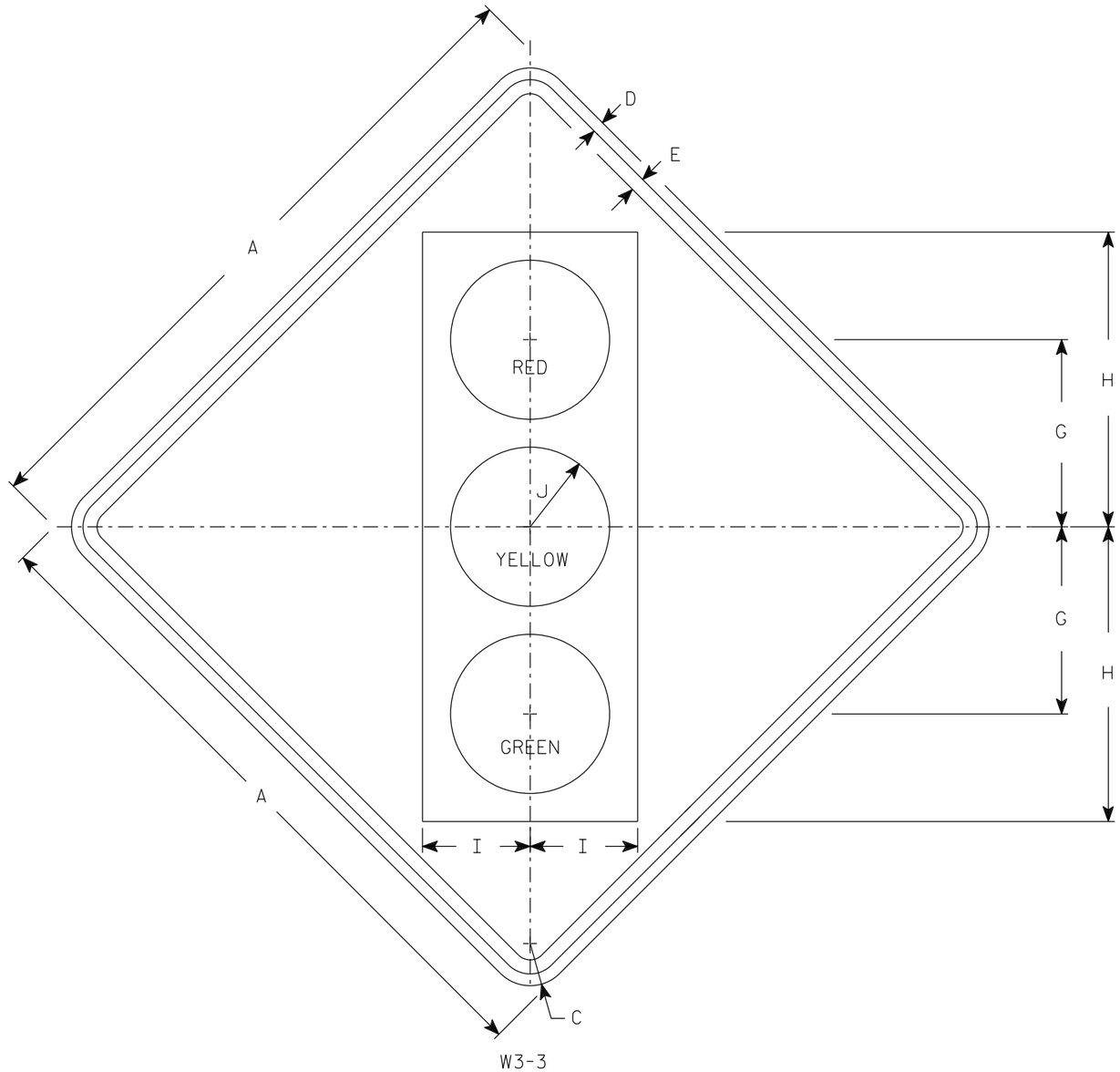
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/11/2023 PLATE NO. W1-8.7

PROJECT NO:

SHEET NO: 105 E



W3-3

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - See Note 3
3. Symbol and border are non-reflective black.
   Top circle - Type H Reflectorized Red
   Center circle - Same as background
   Bottom circle - Type H Reflectorized Green

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 7/8	1/2	5/8		8 3/4	13 3/4	5	3 3/4																	6.25
2S	36		2 1/4	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
2M	36		2 1/4	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
3	36		2 1/4	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
4	48		3	3/4	1		12 1/2	20	7 1/2	5																	16.0
5	48		3	3/4	1		12 1/2	20	7 1/2	5																	16.0

STANDARD SIGN
W3-3

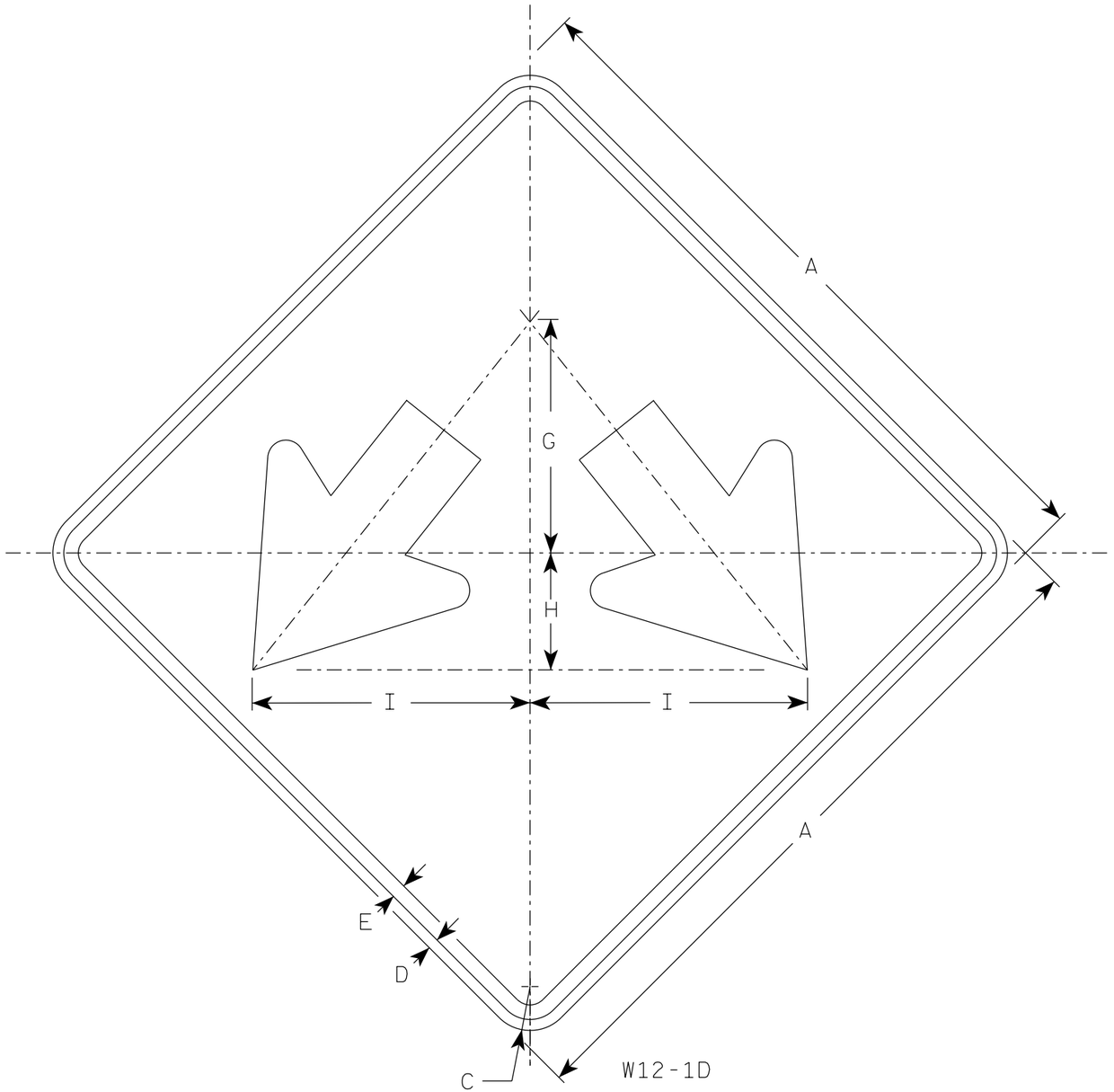
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/21/2023 PLATE NO. W3-3.12

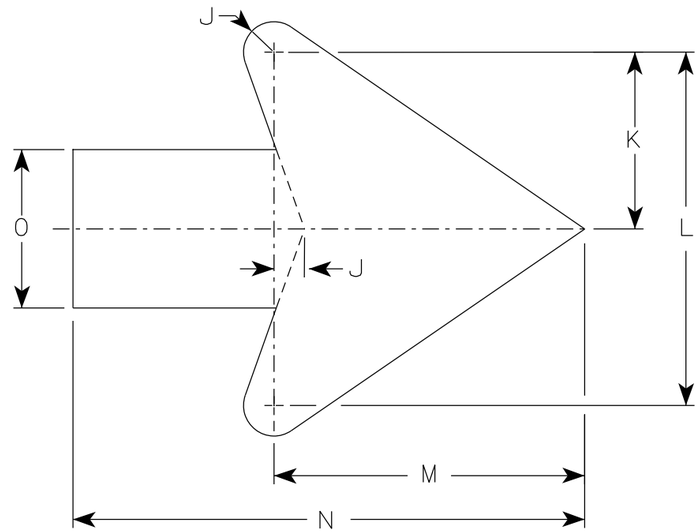
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 106	E

7



NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Areq sq. ft.
1																											
2S	24		1 1/2	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
2M	24		1 1/2	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
3	30		1 7/8	1/2	5/8		10	5	11 7/8	3/4	4 1/2	9	7 7/8	13	4												6.25
4	36		2 1/4	1/2	5/8		12	6	14 1/4	1	5 1/2	10 7/8	9 5/8	15 3/4	4 3/4												9.0
5	48		3	3/4	1		16	8	19	1 1/4	7 1/4	14 1/2	12 3/4	21	6 1/4												16.0

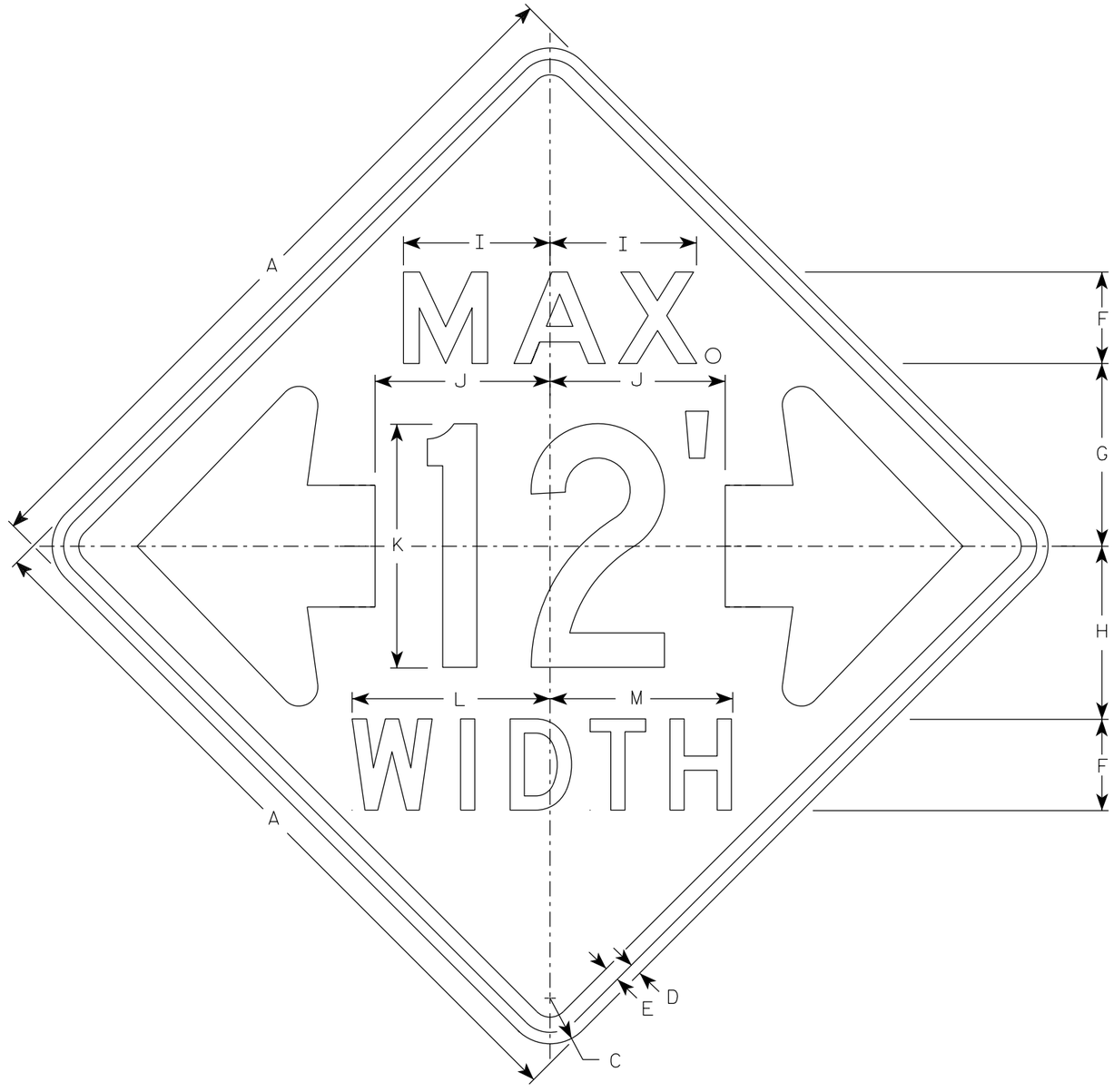
STANDARD SIGN
W12-1D

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/30/2023 PLATE NO. W12-1D.16

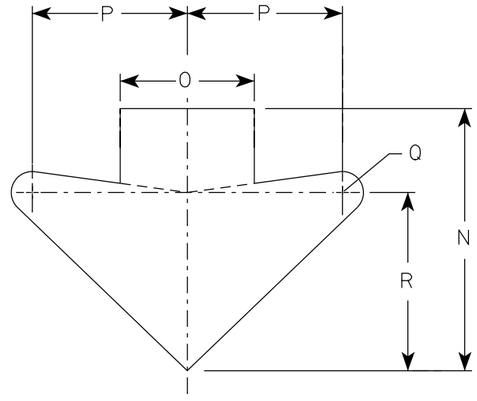
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 107	E



W12-52

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. The top line is series E, the numerals are series C, and the bottom line is series D.
5. Substitute appropriate numerals and adjust spacing as required.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48		3	3/4	1	6	12	11 3/8	9 5/8	11 1/2	16	13	12	15 5/8	8	9 1/4	1 1/4	10 5/8									16.0
2M	48		3	3/4	1	6	12	11 3/8	9 5/8	11 1/2	16	13	12	15 5/8	8	9 1/4	1 1/4	10 5/8									16.0
3																											
4																											
5																											

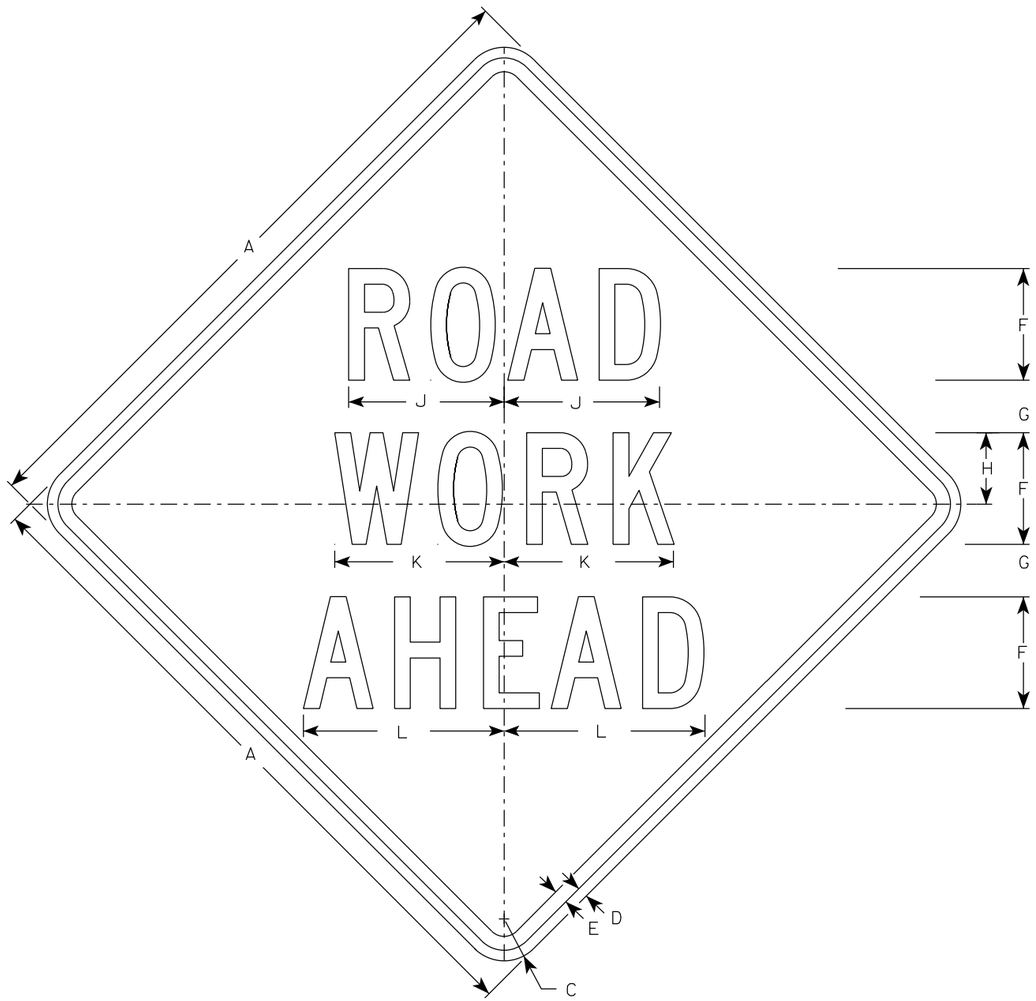
STANDARD SIGN
W12-52

WISCONSIN DEPT OF TRANSPORTATION

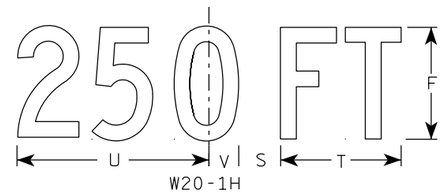
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/10/2024 PLATE NO. W12-52.8

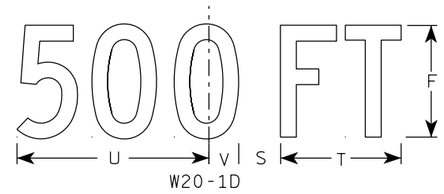
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 108 E



W20-1A



W20-1H



W20-1D



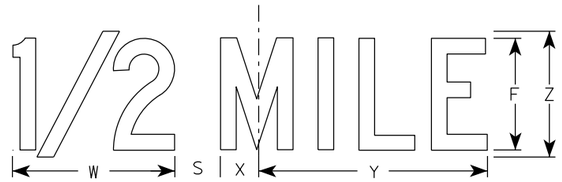
W20-1C



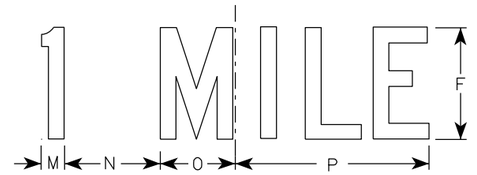
W20-1B

NOTES

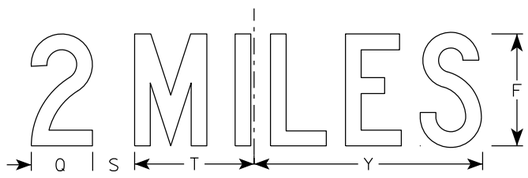
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1G



W20-1F



W20-1E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9	3 1/4	2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

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

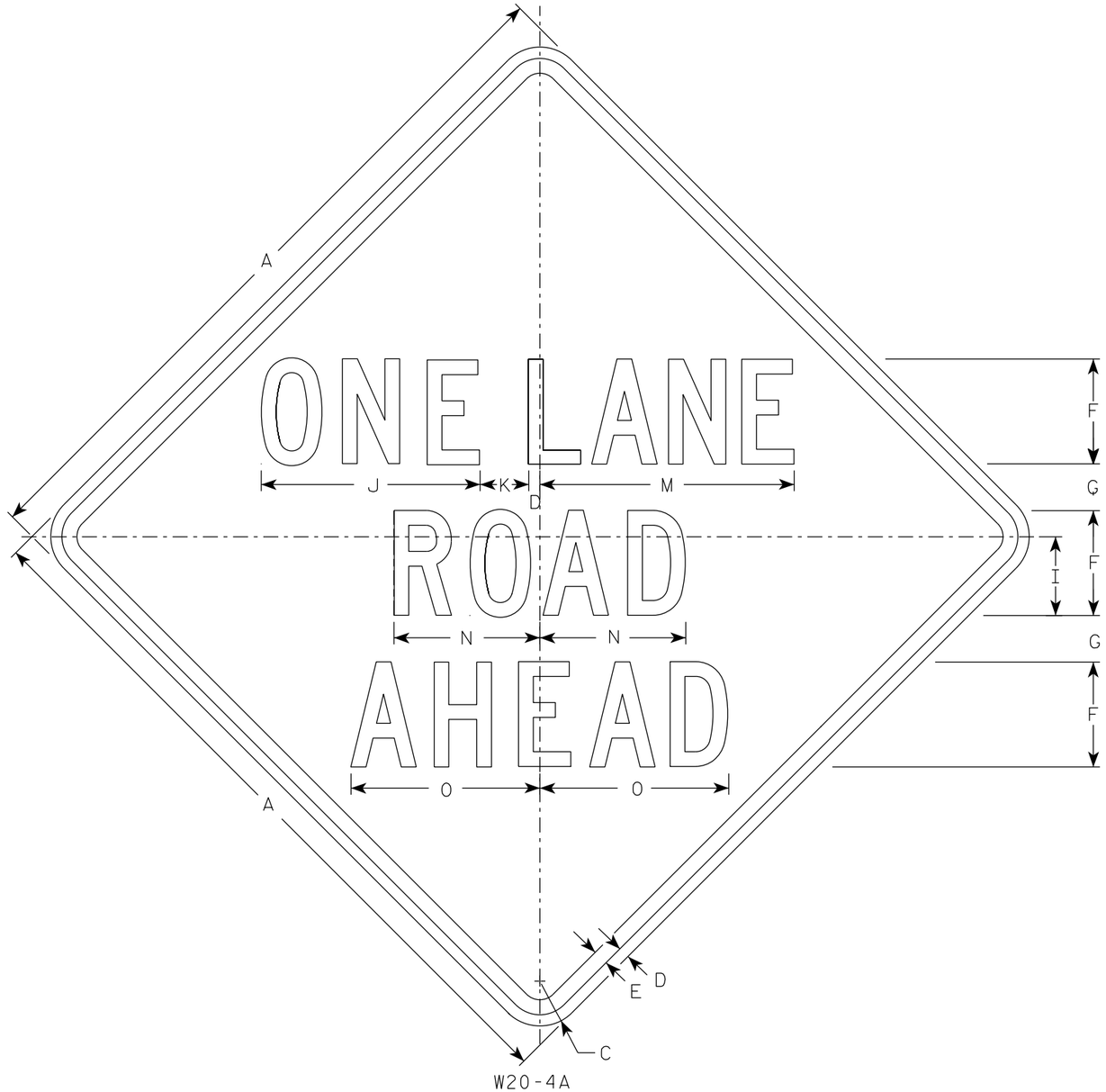
WISCONSIN DEPT OF TRANSPORTATION

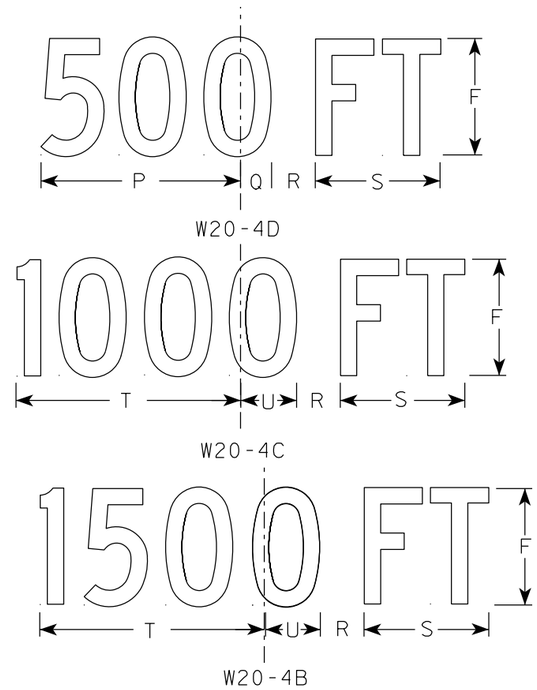
APPROVED Matthew R Rauch
for State Traffic Engineer

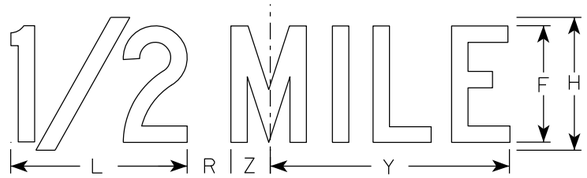
DATE 1/10/2024 PLATE NO. W20-1.12

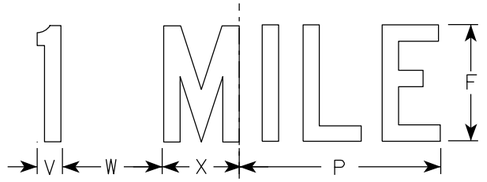
PROJECT NO:

SHEET NO: 109 E









NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	5	2 3/8	6	3 3/4	10 3/8	2 3/8	8	13 1/2	7	8 7/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		3	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 5/8	17 3/4	9 3/4	12 5/8	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		3	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 5/8	17 3/4	9 3/4	12 5/8	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0
3	48		3	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 5/8	17 3/4	9 3/4	12 5/8	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0
4	48		3	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 5/8	17 3/4	9 3/4	12 5/8	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0
5	48		3	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 5/8	17 3/4	9 3/4	12 5/8	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0

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

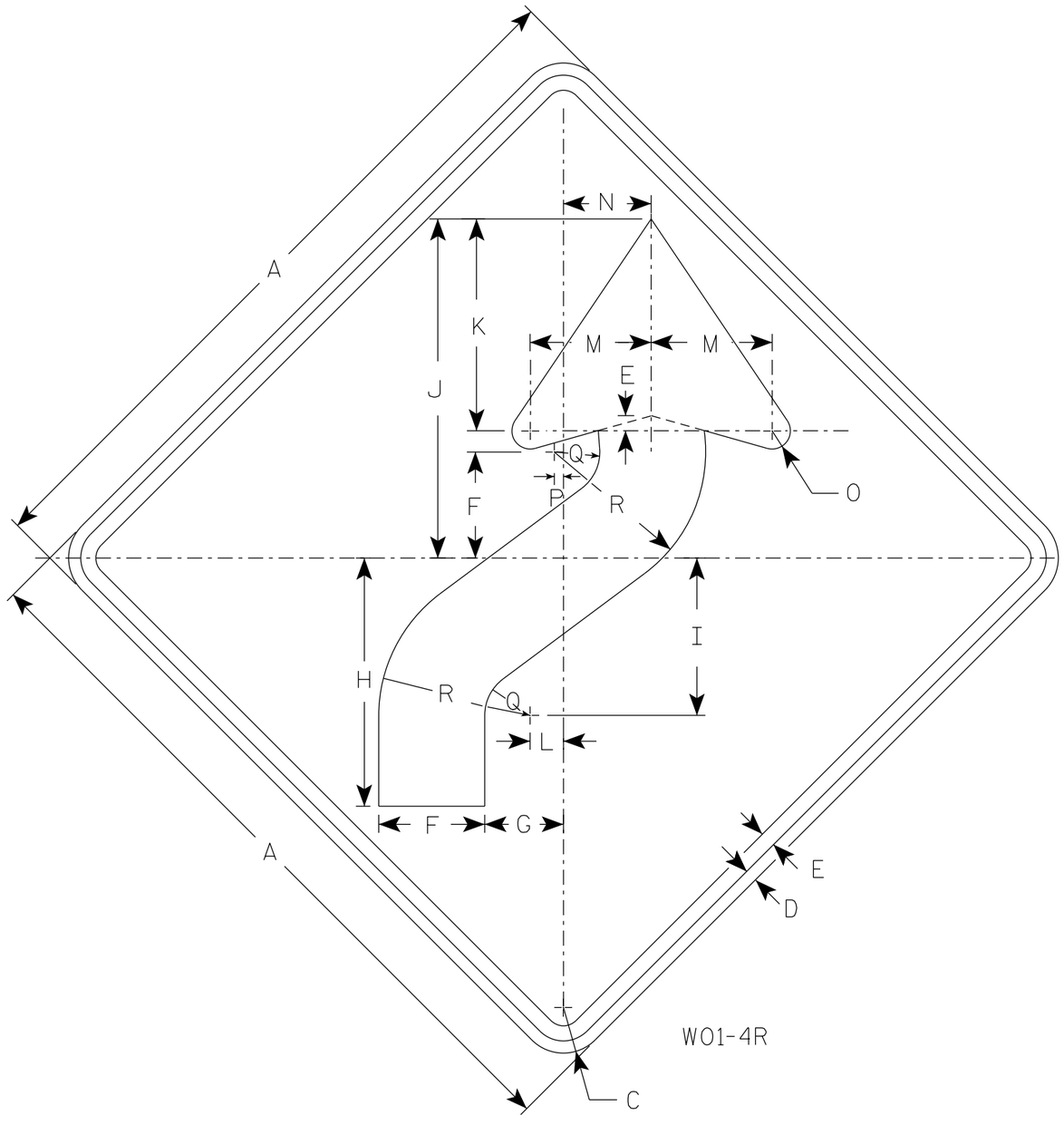
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/10/2024 PLATE NO. W20-4.10

PROJECT NO:

SHEET NO: 110 E



WO1-4R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. WO1-4L is the same as WO1-4R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
2S	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
2M	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
3	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
4	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
5	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0

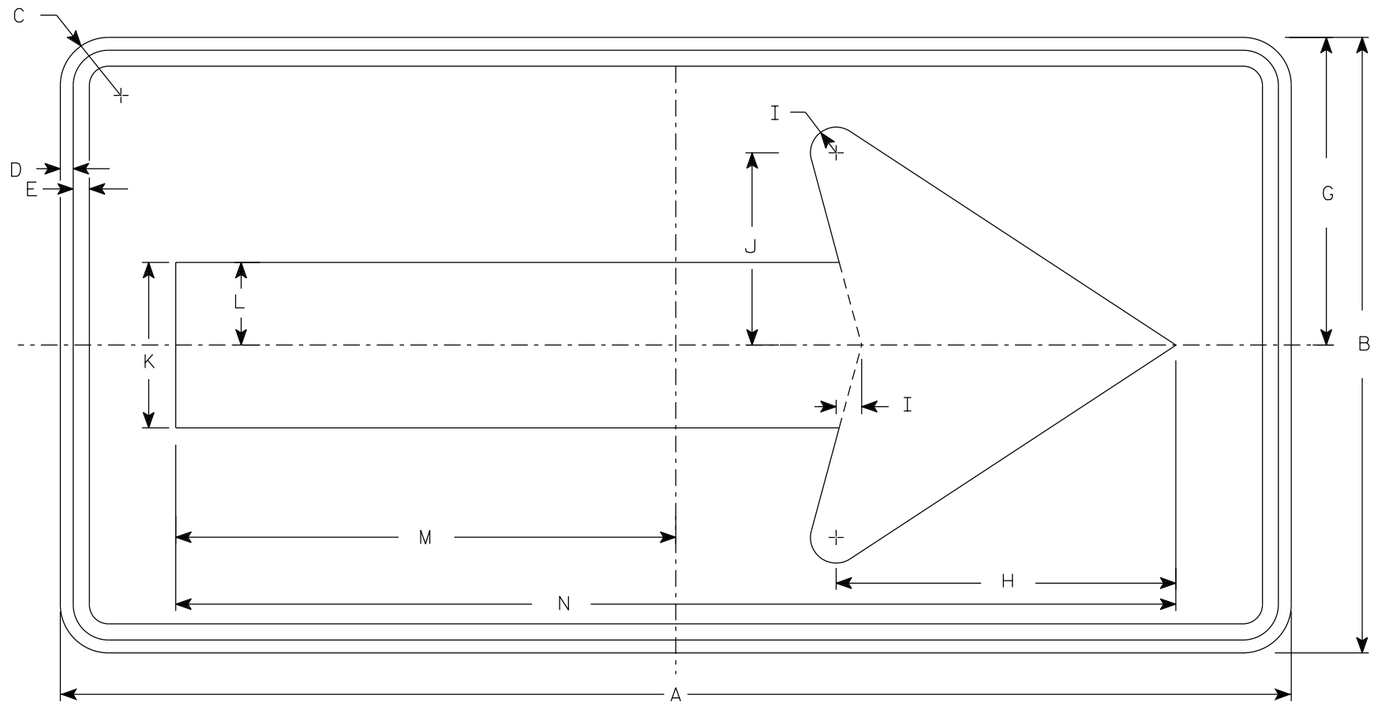
STANDARD SIGN
WO1-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 1/24/2024 PLATE NO. WO1-4.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 111 | E



WO1-6

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	24	1 7/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 7/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 7/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 7/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	60	30	1 7/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5

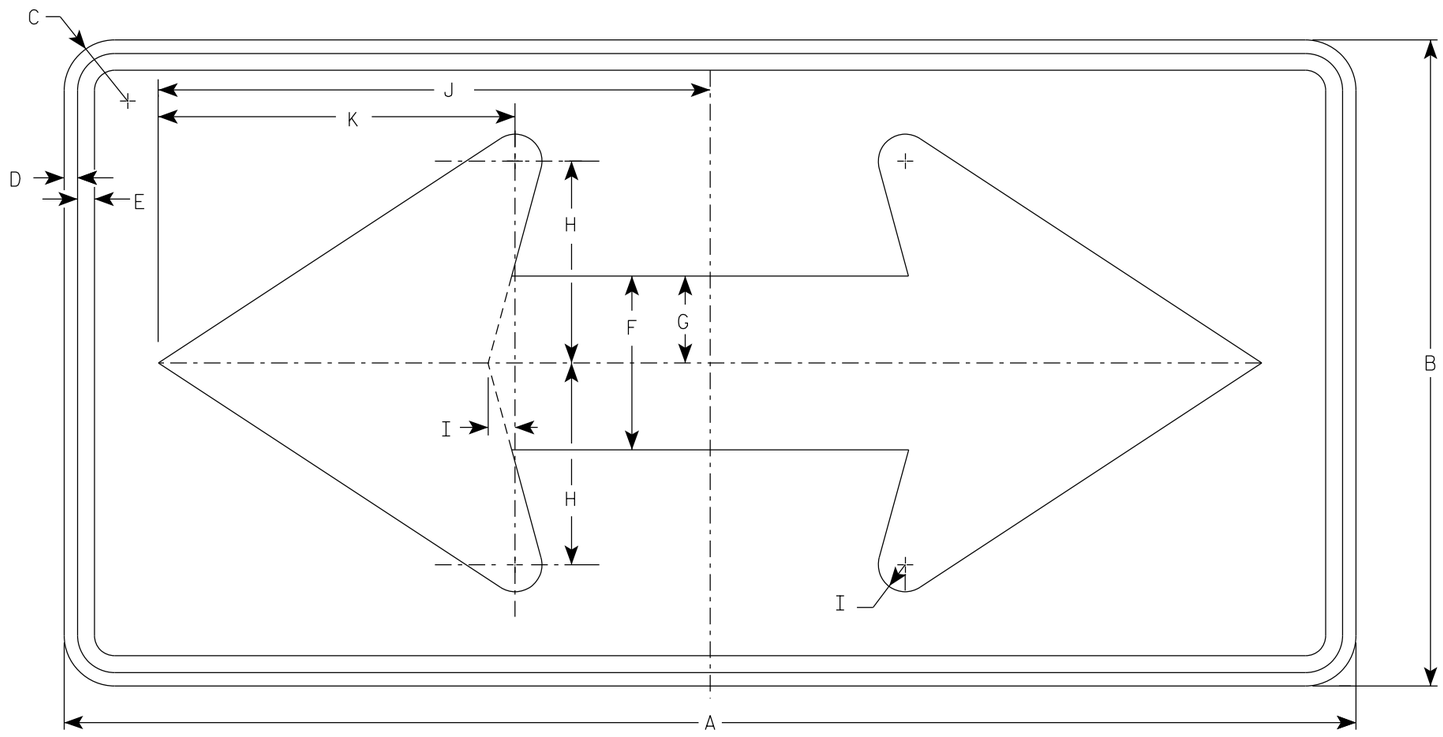
STANDARD SIGN
WO1-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/2024 PLATE NO. WO1-6.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E



W01-7

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	24	1 7/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
2M	48	24	1 7/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
3	60	30	1 7/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
4	60	30	1 7/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
5	60	30	1 7/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5

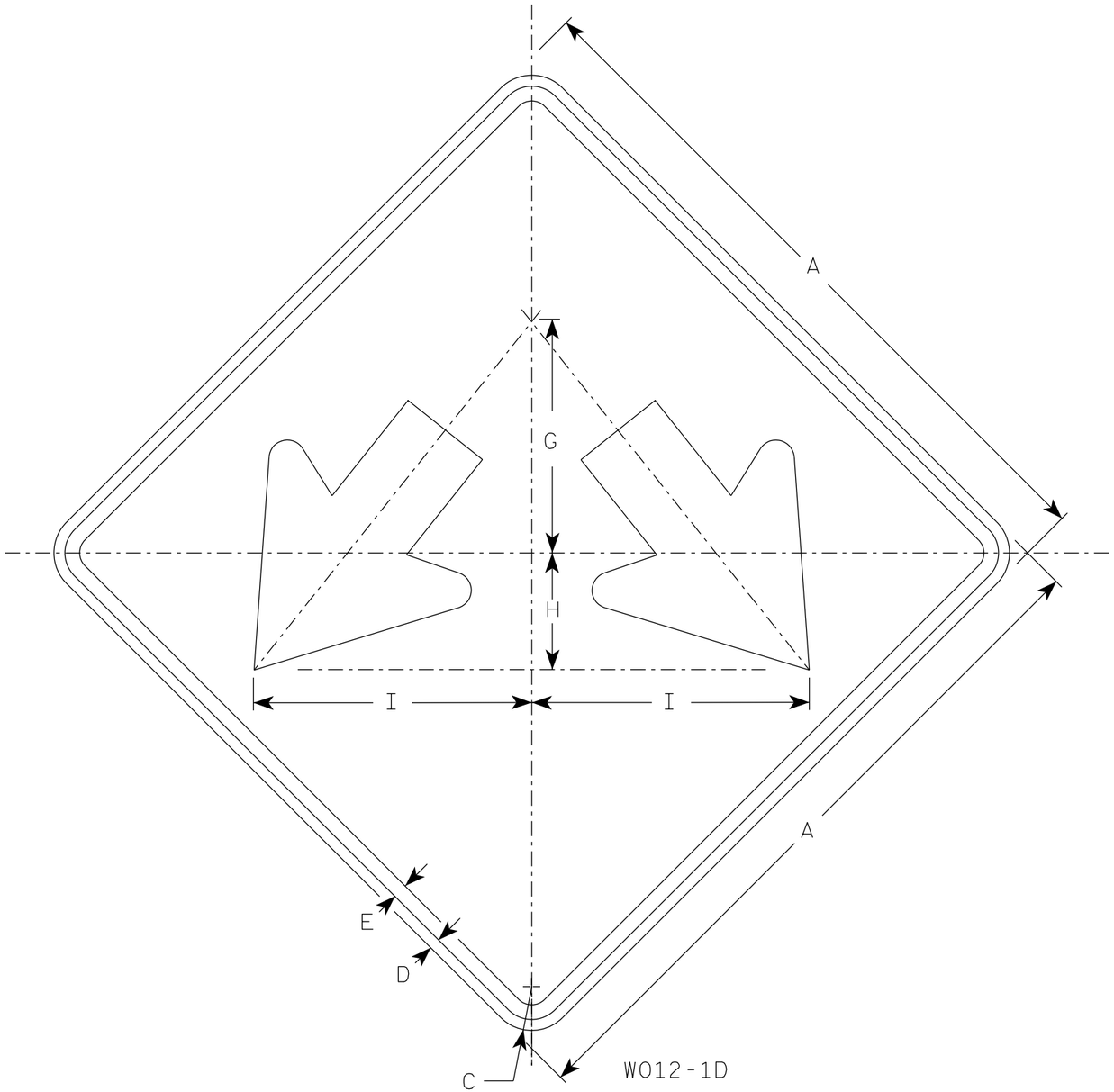
STANDARD SIGN
W01-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/2024 PLATE NO. W01-7.2

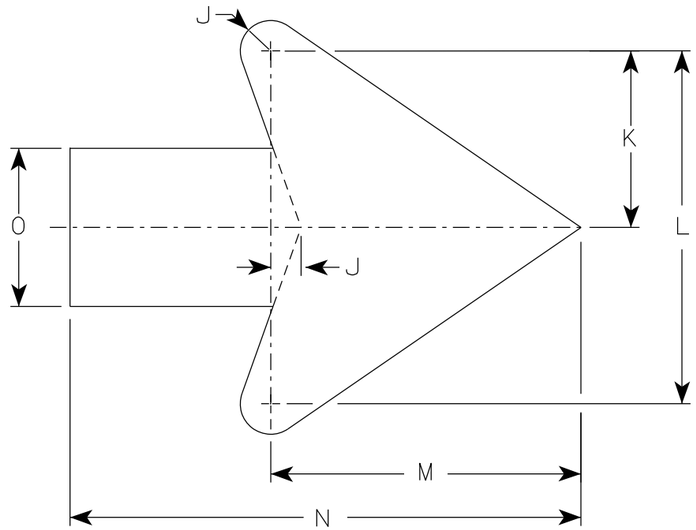
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 113 | E



W012-1D

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/2	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
2S	24		1 1/2	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
2M	24		1 1/2	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
3	30		1 7/8	1/2	5/8		10	5	11 7/8	3/4	4 1/2	9	7 7/8	13	4												6.25
4	36		2 1/4	1/2	5/8		12	6	14 1/4	1	5 1/2	10 7/8	9 5/8	15 3/4	4 3/4												9.0
5	36		2 1/4	1/2	5/8		12	6	14 1/4	1	5 1/2	10 7/8	9 5/8	15 3/4	4 3/4												9.0

STANDARD SIGN
W012-1D

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/1/2024 PLATE NO. W012-1D.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 114	E

EARTHWORK MAINLINE (STH 55 - STAGE 1)

STATION	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOLUME (CY) CUT NOTE 1	INCREMENTAL VOLUME (CY) FILL	INCREMENTAL VOLUME (CY) FILL (25%) NOTE 2	CUMULATIVE VOLUME (CY) CUT 1.00 NOTE 1	CUMULATIVE VOLUME (CY) FILL	CUMULATIVE VOLUME (CY) FILL (25%) NOTE 2	CUMULATIVE VOLUME (CY) MASS ORDINATE NOTE 3
12+50	23	5	0	0	0	0	0	0	0
13+00	21	23	41	26	32	41	26	32	8
13+50	11	52	30	69	87	70	95	119	-49
14+00	9	58	19	102	127	89	197	247	-158
14+50	28	0	34	54	67	123	251	314	-190
15+00	95	0	114	0	0	237	251	314	-77
15+50	122	0	201	0	0	438	251	314	124
16+00	151	0	253	0	0	690	251	314	377
16+50	89	0	222	0	0	913	251	314	599
17+00	28	0	108	0	0	1020	251	314	707
17+50	5	2	30	2	2	1050	253	316	734
18+00	0	19	4	19	24	1054	272	340	714
18+50	0	9	0	26	32	1054	298	372	682
19+00	5	12	5	19	24	1059	317	396	663
19+50	0	29	5	38	47	1064	355	444	620
20+00	0	36	0	60	75	1064	415	519	545
20+50	0	76	0	104	130	1064	519	649	415
21+00	0	59	0	125	156	1064	644	805	259
21+50	5	1	5	56	69	1069	700	874	194
22+00	36	0	38	1	1	1107	700	876	231
22+50	45	0	75	0	0	1182	700	876	306
23+00	49	0	87	0	0	1269	700	876	393
23+50	88	0	127	0	0	1396	700	876	520
24+00	53	0	131	0	0	1526	700	876	651
24+50	47	0	93	0	0	1619	700	876	743
25+00	38	0	79	0	0	1697	700	876	822
25+50	24	1	57	1	1	1755	701	877	878
25+98	23	0	42	1	1	1796	702	878	918
STAGE 1 MAINLINE COLUMN TOTALS =			1796	702	878	1796	702	878	918

EARTHWORK MAINLINE (STH 55 - STAGE 2)

STATION	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOLUME (CY) CUT NOTE 1	INCREMENTAL VOLUME (CY) FILL	INCREMENTAL VOLUME (CY) FILL (25%) NOTE 2	CUMULATIVE VOLUME (CY) CUT 1.00 NOTE 1	CUMULATIVE VOLUME (CY) FILL	CUMULATIVE VOLUME (CY) FILL (25%) NOTE 2	CUMULATIVE VOLUME (CY) MASS ORDINATE NOTE 3
16+00	0	0	0	0	0	0	0	0	0
16+50	64	0	59	0	0	59	0	0	59
17+00	59	0	114	0	0	173	0	0	173
17+50	27	8	80	7	9	253	7	9	244
18+00	3	30	28	35	44	281	42	53	228
18+50	0	51	3	75	94	283	117	147	137
19+00	0	0	0	47	59	283	165	206	78
STAGE 2 MAINLINE COLUMN TOTALS =			283	165	206	283	165	206	78

EARTHWORK A-LINE (CTH M - STAGE 2)

STATION	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOLUME (CY) CUT NOTE 1	INCREMENTAL VOLUME (CY) FILL	INCREMENTAL VOLUME (CY) FILL (25%) NOTE 2	CUMULATIVE VOLUME (CY) CUT 1.00 NOTE 1	CUMULATIVE VOLUME (CY) FILL	CUMULATIVE VOLUME (CY) FILL (25%) NOTE 2	CUMULATIVE VOLUME (CY) MASS ORDINATE NOTE 3
18'A'+19	4	129	0	0	0	0	0	0	0
18'A'+50	4	44	5	99	124	5	99	124	-119
19'A'+00	60	5	59	45	56	64	144	180	-116
19'A'+50	65	0	116	4	5	180	149	186	-6
20'A'+00	67	1	122	1	1	302	150	187	115
20'A'+25	16	4	38	2	3	341	152	190	151
STAGE 2 A-LINE COLUMN TOTALS =			341	152	190	341	152	190	151

NOTES:
1 - CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL.
2 - FILL 25% = (UNEXPANDED FILL)*1.25
3 - MASS ORDINATE = CUT - FILL (25%). A POSITIVE QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION.

9

9

EARTHWORK MAINLINE (STH 55 - STAGE 3)

	AREA (SF)		INCREMENTAL VOLUME (CY)			CUMULATIVE VOLUME (CY)			
STATION	CUT	FILL	CUT NOTE 1	FILL	FILL (25%) NOTE 2	CUT 1.00 NOTE 1	FILL	FILL (25%) NOTE 2	MASS ORDINATE NOTE 3
12+50	20	0	0	0	0	0	0	0	0
13+00	19	0	36	0	0	36	0	0	36
13+50	13	10	30	9	12	66	9	12	54
14+00	11	7	23	16	20	88	25	31	57
14+50	28	1	36	8	9	125	33	41	84
15+00	97	0	116	1	1	240	34	42	198
15+50	103	0	185	0	0	426	34	42	384
16+00	105	0	193	0	0	618	34	42	576
16+50	24	0	119	0	0	738	34	42	696
17+00	62	0	80	0	0	817	34	42	775
17+50	206	0	248	0	0	1065	34	42	1023
18+00	0	0	191	0	0	1256	34	42	1214
18+50	4	42	4	39	49	1260	72	91	1169
19+00	18	8	20	46	58	1280	119	148	1132
19+50	0	66	17	69	86	1297	187	234	1063
20+00	14	47	13	105	131	1309	292	365	944
20+50	8	34	20	75	94	1329	367	459	870
21+00	3	13	10	44	54	1339	411	513	826
21+50	14	4	16	16	20	1355	426	533	822
22+00	30	5	41	8	10	1396	435	543	853
22+50	25	11	51	14	18	1447	449	561	886
23+00	28	10	49	19	23	1496	468	585	911
23+50	44	1	67	10	12	1563	478	597	966
24+00	39	2	77	3	4	1639	480	601	1039
24+50	34	1	68	3	4	1707	483	604	1103
25+00	26	0	56	1	1	1763	484	605	1157
25+50	46	0	67	0	0	1829	484	605	1224
25+98	20	0	59	0	0	1888	484	605	1283
STAGE 3 MAINLINE COLUMN TOTALS =			1888	484	605	1888	484	605	1283

EARTHWORK A-LINE (CTH M - STAGE 3)

	AREA (SF)		INCREMENTAL VOLUME (CY)			CUMULATIVE VOLUME (CY)			
STATION	CUT	FILL	CUT NOTE 1	FILL	FILL (25%) NOTE 2	CUT 1.00 NOTE 1	FILL	FILL (25%) NOTE 2	MASS ORDINATE NOTE 3
18'A'+19	0	0	0	0	0	0	0	0	0
18'A'+50	175	46	100	26	33	100	26	33	67
19'A'+00	111	0	265	43	53	365	69	86	279
19'A'+50	54	0	153	0	0	518	69	86	432
20'A'+00	0	0	50	0	0	568	69	86	482
20'A+25	13	0	6	0	0	574	69	86	488
20'A+50	13	0	12	0	0	586	69	86	500
21'A+00	13	0	24	0	0	610	69	86	524
21'A+50	13	0	24	0	0	634	69	86	548
21'A+53	13	0	1	0	0	636	69	86	549
STAGE 3 A-LINE COLUMN TOTALS =			636	69	86	636	69	86	549

EARTHWORK B-LINE (DRIVEWAY - STAGE 3)

	AREA (SF)		INCREMENTAL VOLUME (CY)			CUMULATIVE VOLUME (CY)			
STATION	CUT	FILL	CUT NOTE 1	FILL	FILL (25%) NOTE 2	CUT 1.00 NOTE 1	FILL	FILL (25%) NOTE 2	MASS ORDINATE NOTE 3
1'B'+22	0	22	0	0	0	0	0	0	0
1'B'+50	0	27	0	25	32	0	25	32	-32
1'B'+75	5	18	2	21	26	2	46	58	-56
2'B'+00	0	22	2	19	23	4	65	81	-77
2'B'+25	10	28	5	23	29	9	88	110	-101
2'B'+40	10	5	6	9	11	14	97	122	-107
B-LINE COLUMN TOTALS =			14	97	122	14	97	122	-107

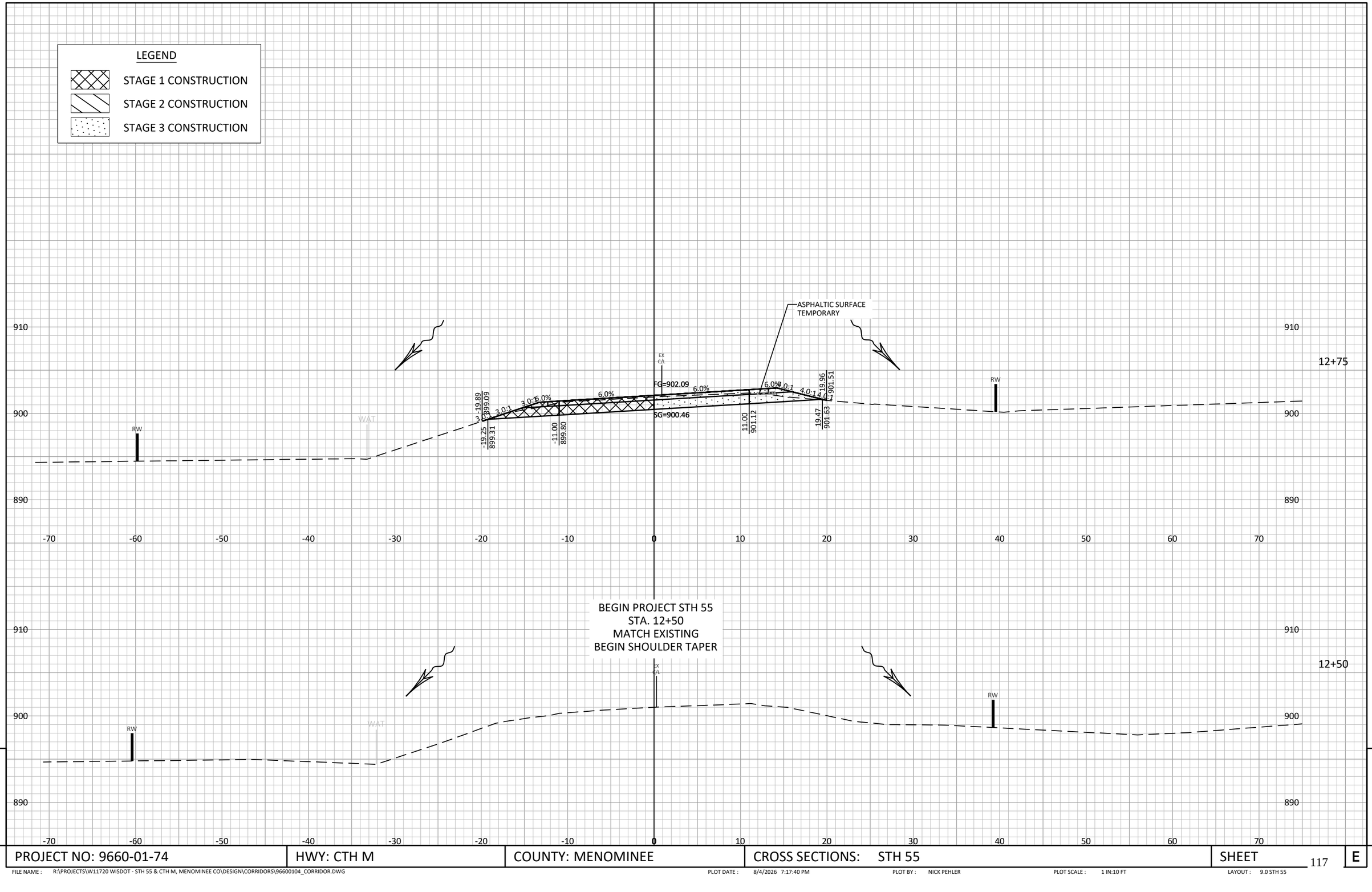
NOTES:
1 - CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL.
2 - FILL 25% = (UNEXPANDED FILL)*1.25
3 - MASS ORDINATE = CUT - FILL (25%). A POSITIVE QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION.

LEGEND

STAGE 1 CONSTRUCTION

STAGE 2 CONSTRUCTION

STAGE 3 CONSTRUCTION



PROJECT NO: 9660-01-74	HWY: CTH M	COUNTY: MENOMINEE	CROSS SECTIONS: STH 55	SHEET 117	E

FILE NAME : R:\PROJECTS\W11720 WISDOT - STH 55 & CTH M, MENOMINEE CO\DESIGN\CORRIDORS\96600104_CORRIDOR.DWG PLOT DATE : 8/4/2026 7:17:40 PM PLOT BY : NICK PEHLER PLOT SCALE : 1 IN:10 FT LAYOUT : 9.0 STH 55

9

9

LEGEND

STAGE 1 CONSTRUCTION

STAGE 2 CONSTRUCTION

STAGE 3 CONSTRUCTION

910

900

890

RW

WAT

3.0:1

-39.98
894.94

4.0:1

-23.74
900.36

6.0%

-11.19
901.11

EX
C/L

FG=903.41

SG=901.78

-0.23
901.77

11.00
902.44

20.48
903.01

21.30
902.73

ASPHALTIC SURFACE TEMPORARY

13+00

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

BEGIN MEDIAN TAPER
STA. 12+90

FG=902.85

SG=901.23

-20.96
899.97

-11.00
900.57

11.00
901.89

20.24
902.44

20.98
902.22

12+90

9

PROJECT NO: 9660-01-74 | HWY: CTH M | COUNTY: MENOMINEE | CROSS SECTIONS: STH 55 (MAINLINE) | SHEET | E

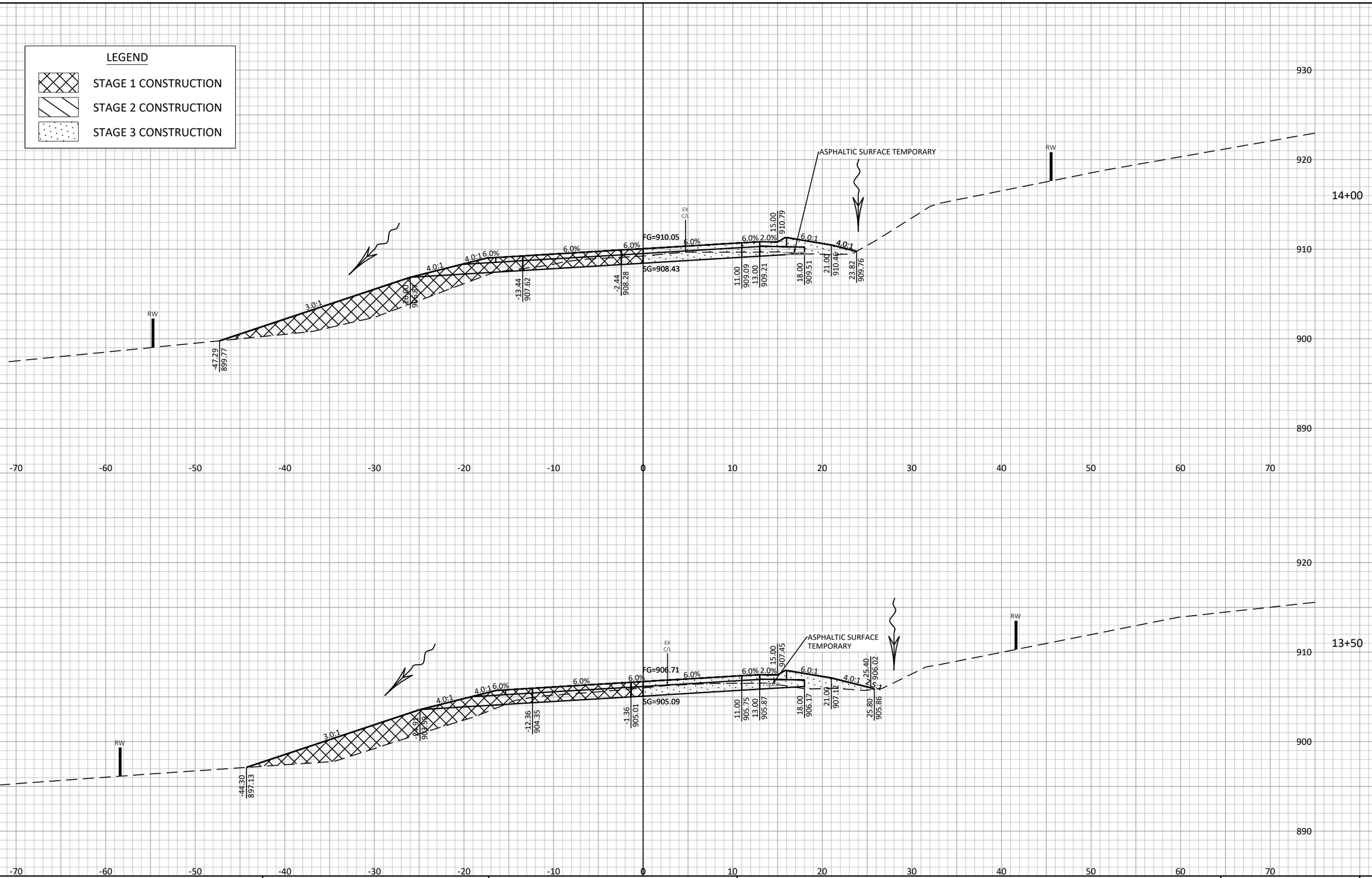
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PLOT DATE : 8/4/2026 7:17:44 PM
PLOT BY : NICK PEHLER
PLOT SCALE : 1 IN:10 FT
LAYOUT : 9.1 STH 55

LEGEND

STAGE 1 CONSTRUCTION

STAGE 2 CONSTRUCTION

STAGE 3 CONSTRUCTION



PROJECT NO: 9660-01-74	HWY: CTH M	COUNTY: MENOMINEE	CROSS SECTIONS: STH 55 (MAINLINE)	SHEET	E

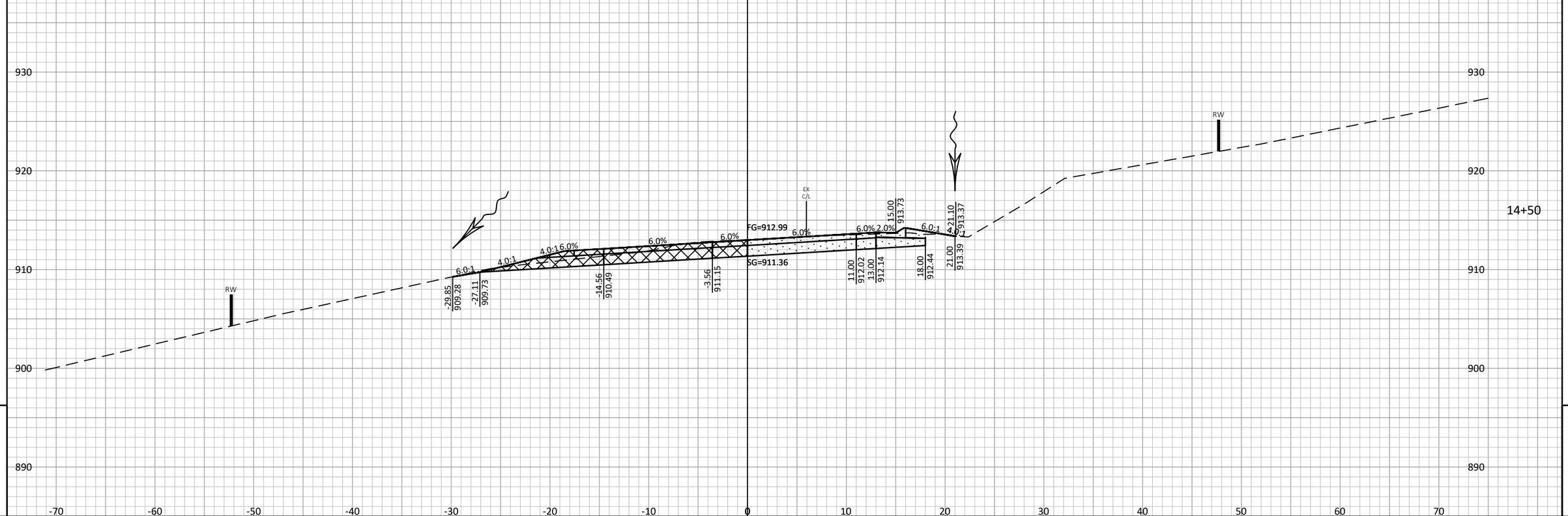
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LEGEND

STAGE 1 CONSTRUCTION

STAGE 2 CONSTRUCTION

STAGE 3 CONSTRUCTION



PROJECT NO: 9660-01-74	HWY: CTH M	COUNTY: MENOMINEE	CROSS SECTIONS: STH 55 (MAINLINE)	SHEET 120	E

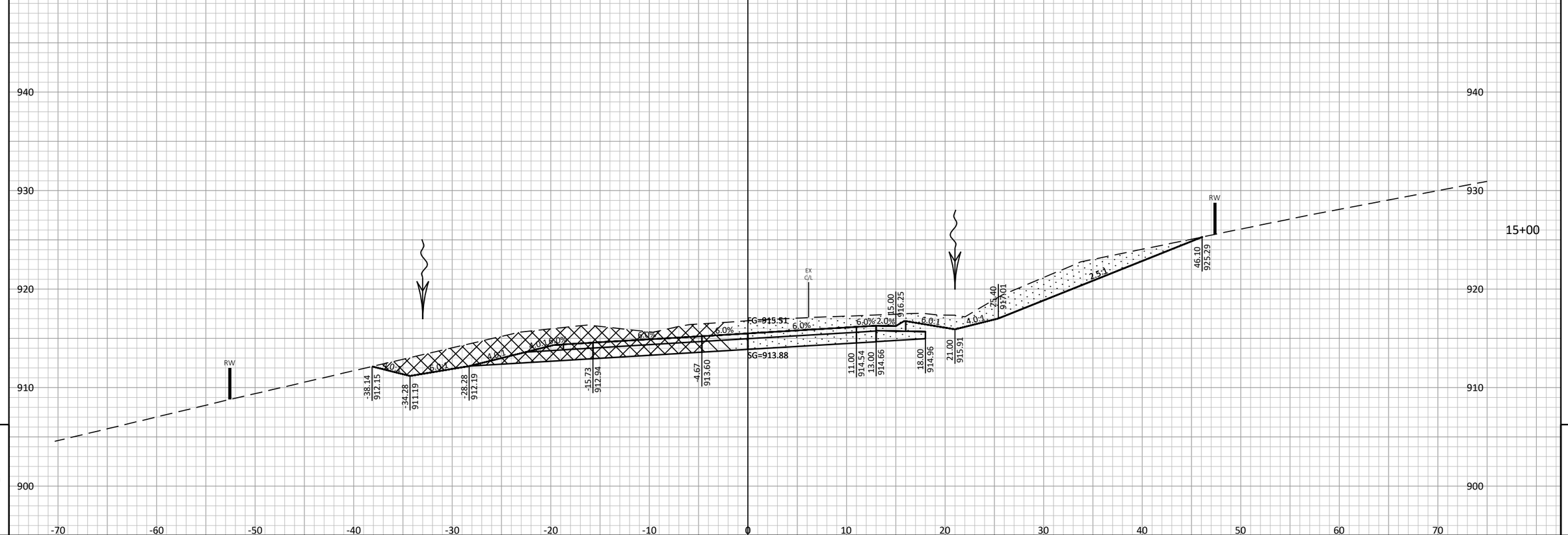
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LEGEND

STAGE 1 CONSTRUCTION

STAGE 2 CONSTRUCTION

STAGE 3 CONSTRUCTION



PROJECT NO: 9660-01-74	HWY: CTH M	COUNTY: MENOMINEE	CROSS SECTIONS: STH 55 (MAINLINE)	SHEET 121	E

FILE NAME : R:\PROJECTS\W11720 WISDOT - STH 55 & CTH M, MENOMINEE CO\DESIGN\CORRIDORS\96600104_CORRIDOR.DWG PLOT DATE : 8/4/2026 7:17:54 PM PLOT BY : NICK PEHLER PLOT SCALE : 1 IN:10 FT LAYOUT : 9.4 STH 55

LEGEND

STAGE 1 CONSTRUCTION

STAGE 2 CONSTRUCTION

STAGE 3 CONSTRUCTION

16+00

RW

EX C/L

FG=919.33

SG=917.70

-47.88 917.72

-36.49 914.87

-30.49 915.87

-17.94 916.63

-5.89 917.29

11.00 918.36

13.00 918.48

15.00 920.07

18.00 918.78

21.00 919.74

38.64 922.68

4.0:1

6.0:1

6.0%

2.0%

15+50

FG=917.62

SG=916.00

-42.53 915.02

-35.40 913.23

-29.40 914.23

-16.85 914.99

-5.85 915.65

11.00 916.66

13.00 916.78

15.00 918.36

18.00 917.08

21.00 918.03

25.40 919.13

34.08 922.02

940

930

920

910

900

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

9

9

PROJECT NO: 9660-01-74	HWY: CTH M	COUNTY: MENOMINEE	CROSS SECTIONS: STH 55 (MAINLINE)	SHEET 122	E

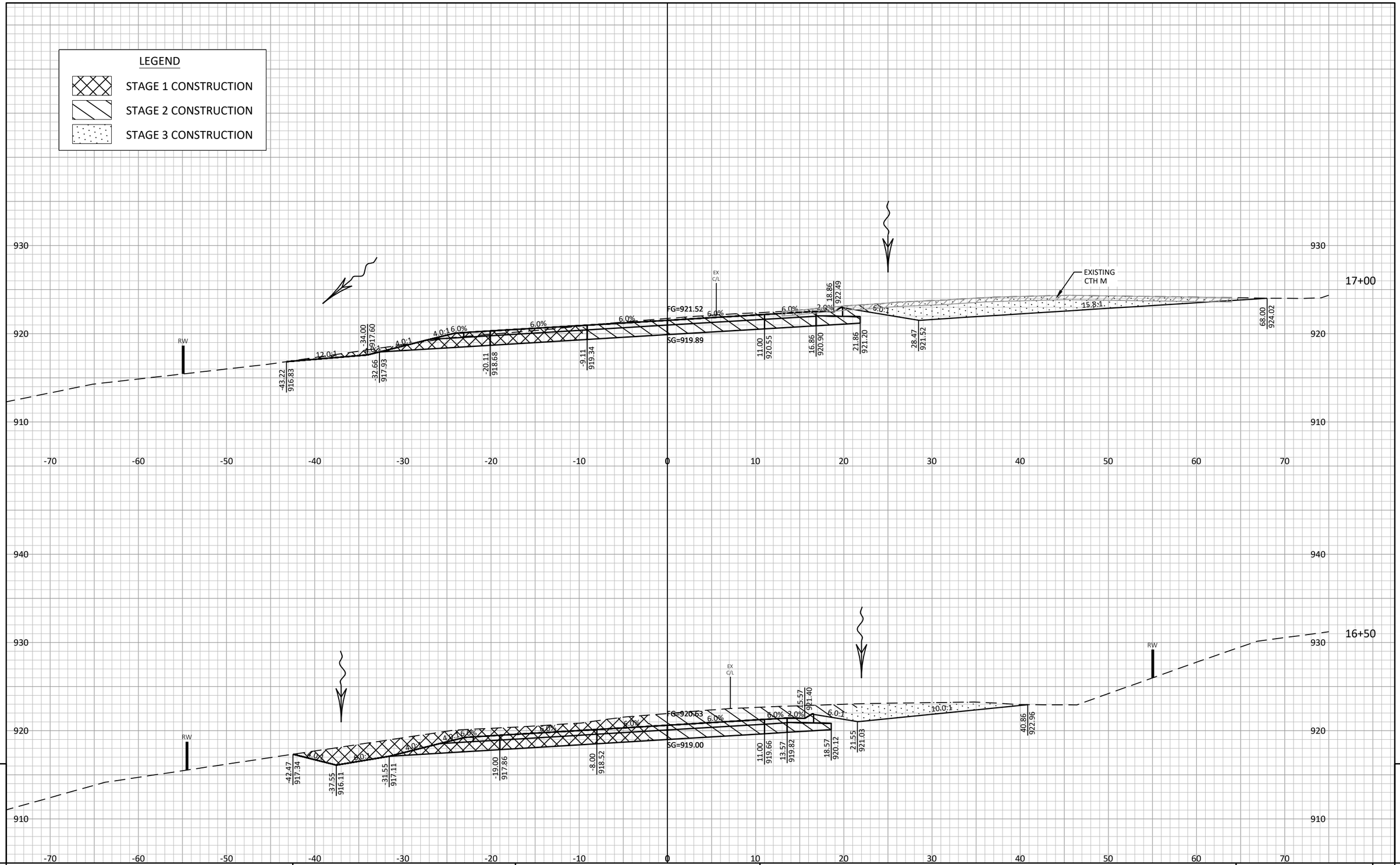
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LEGEND

STAGE 1 CONSTRUCTION

STAGE 2 CONSTRUCTION

STAGE 3 CONSTRUCTION



PROJECT NO: 9660-01-74	HWY: CTH M	COUNTY: MENOMINEE	CROSS SECTIONS: STH 55 (MAINLINE)	SHEET	E

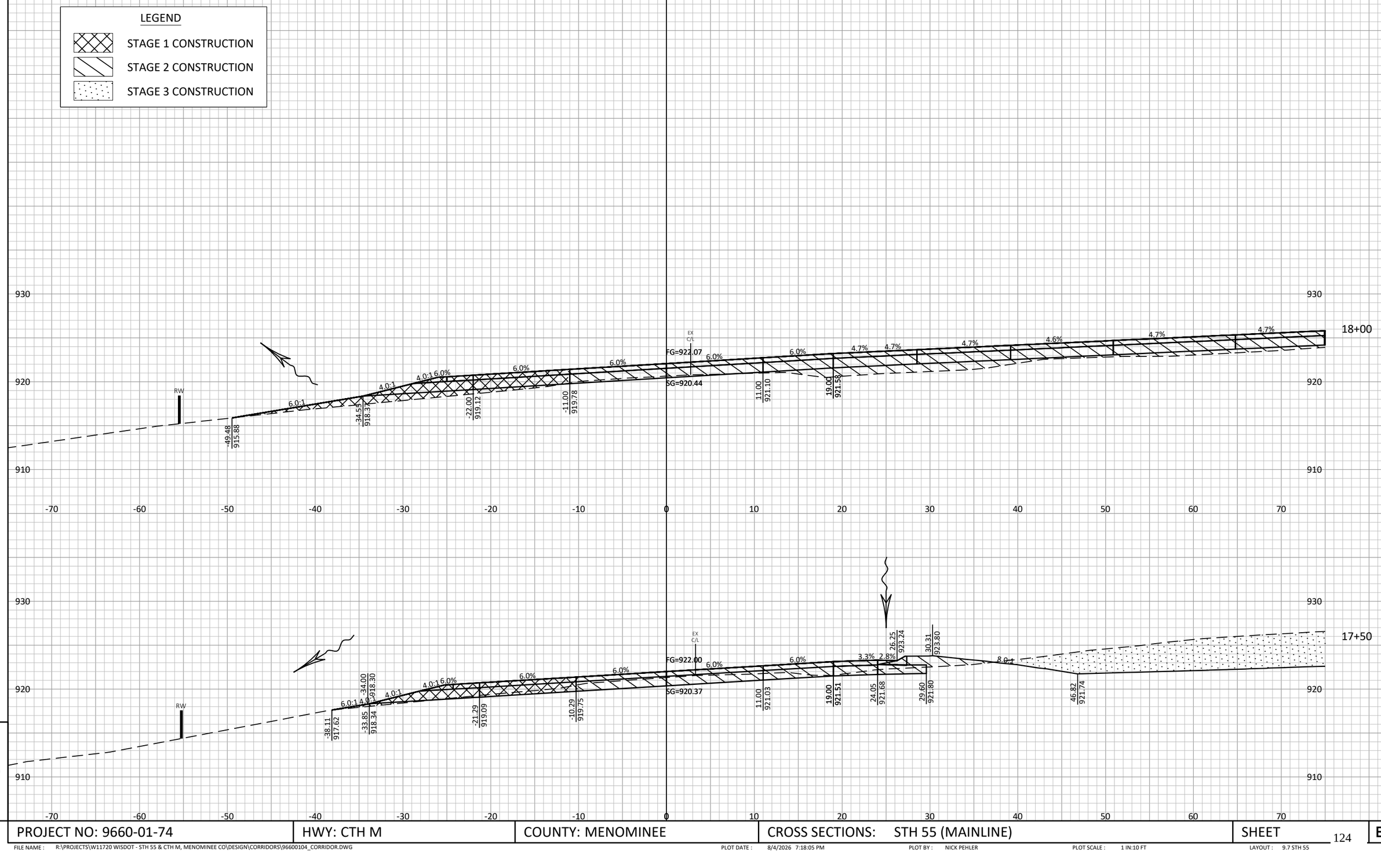
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LEGEND

STAGE 1 CONSTRUCTION

STAGE 2 CONSTRUCTION

STAGE 3 CONSTRUCTION



9

9

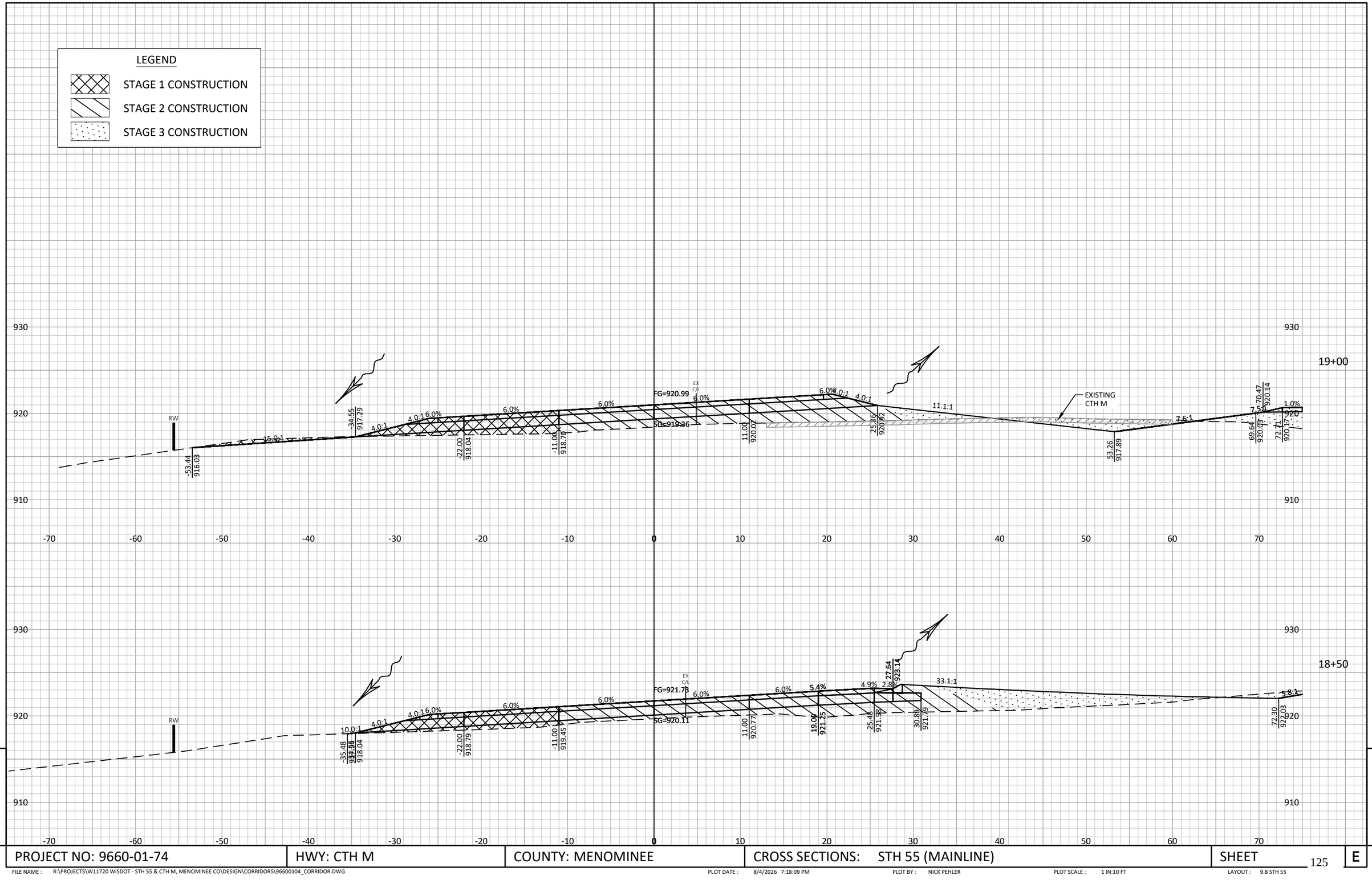
PROJECT NO: 9660-01-74	HWY: CTH M	COUNTY: MENOMINEE	CROSS SECTIONS: STH 55 (MAINLINE)	SHEET 124	E

LEGEND

STAGE 1 CONSTRUCTION

STAGE 2 CONSTRUCTION

STAGE 3 CONSTRUCTION



9

9

PROJECT NO: 9660-01-74	HWY: CTH M	COUNTY: MENOMINEE	CROSS SECTIONS: STH 55 (MAINLINE)	SHEET	E

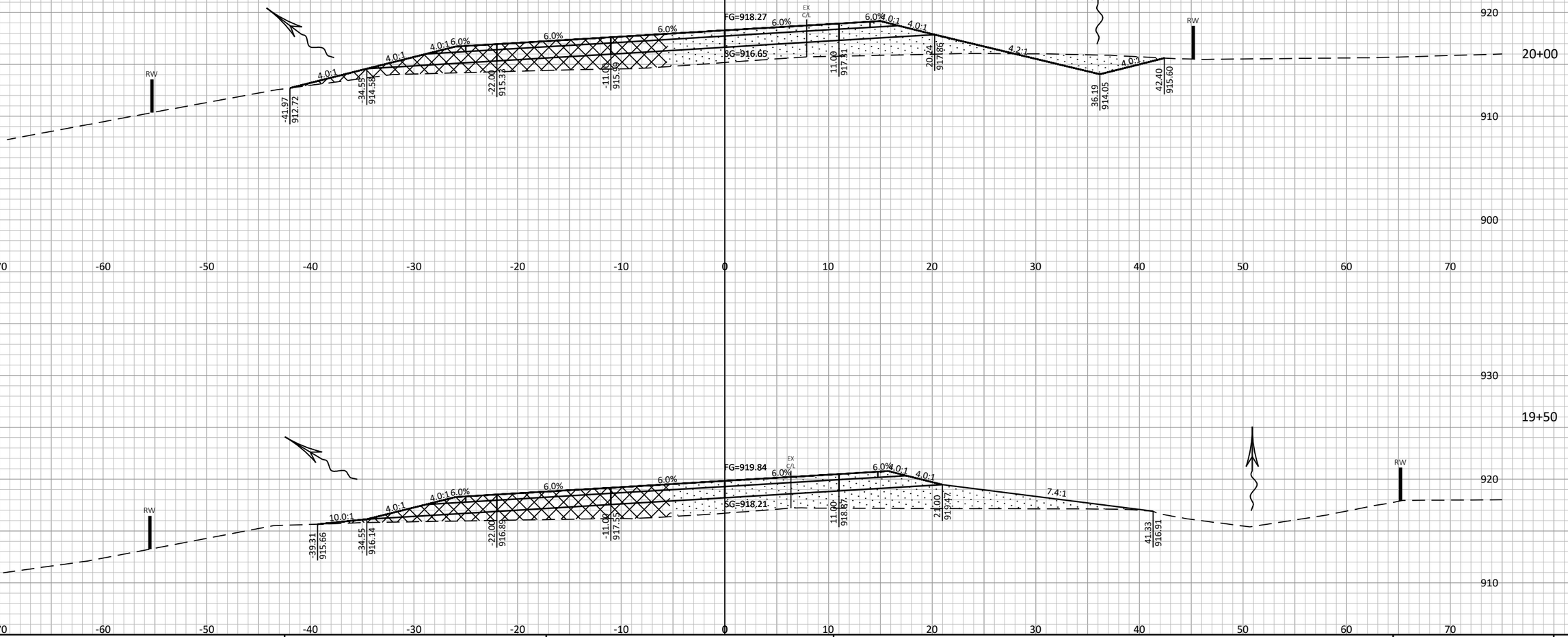
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LEGEND

STAGE 1 CONSTRUCTION

STAGE 2 CONSTRUCTION

STAGE 3 CONSTRUCTION



PROJECT NO: 9660-01-74	HWY: CTH M	COUNTY: MENOMINEE	CROSS SECTIONS: STH 55 (MAINLINE)	SHEET	E

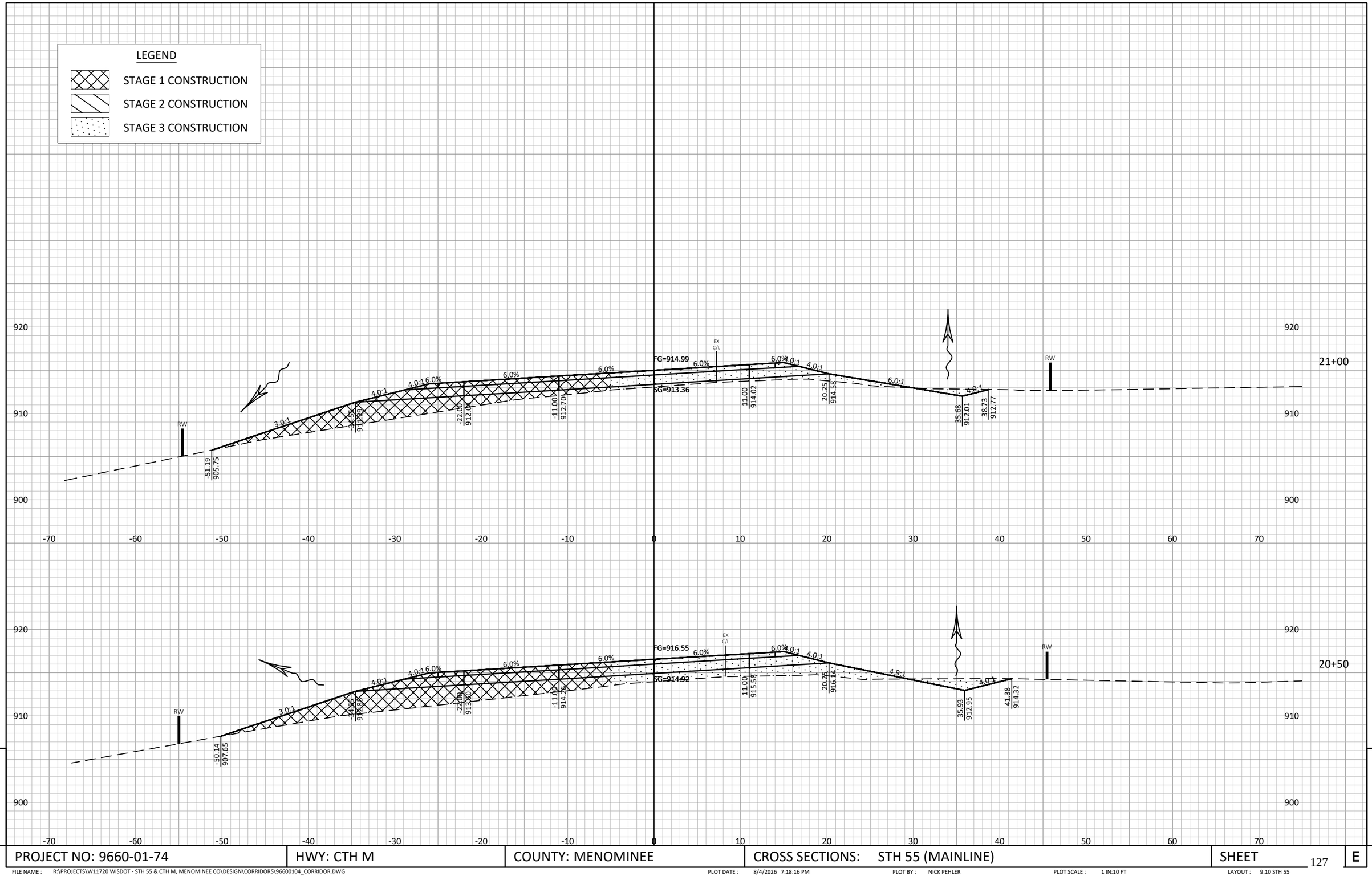
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LEGEND

STAGE 1 CONSTRUCTION

STAGE 2 CONSTRUCTION

STAGE 3 CONSTRUCTION



9

9

PROJECT NO: 9660-01-74	HWY: CTH M	COUNTY: MENOMINEE	CROSS SECTIONS: STH 55 (MAINLINE)	SHEET 127	E

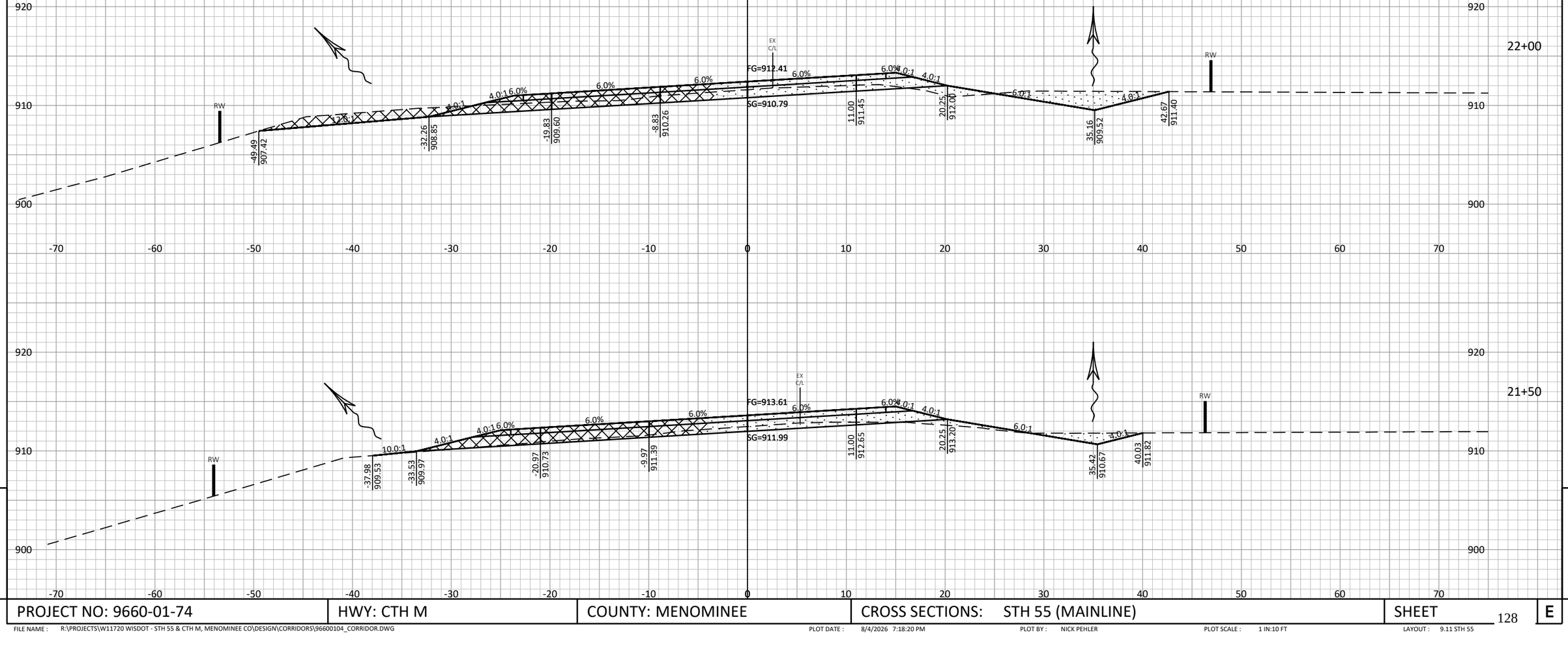
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LEGEND

STAGE 1 CONSTRUCTION

STAGE 2 CONSTRUCTION

STAGE 3 CONSTRUCTION



9

9

PROJECT NO: 9660-01-74	HWY: CTH M	COUNTY: MENOMINEE	CROSS SECTIONS: STH 55 (MAINLINE)	SHEET	E

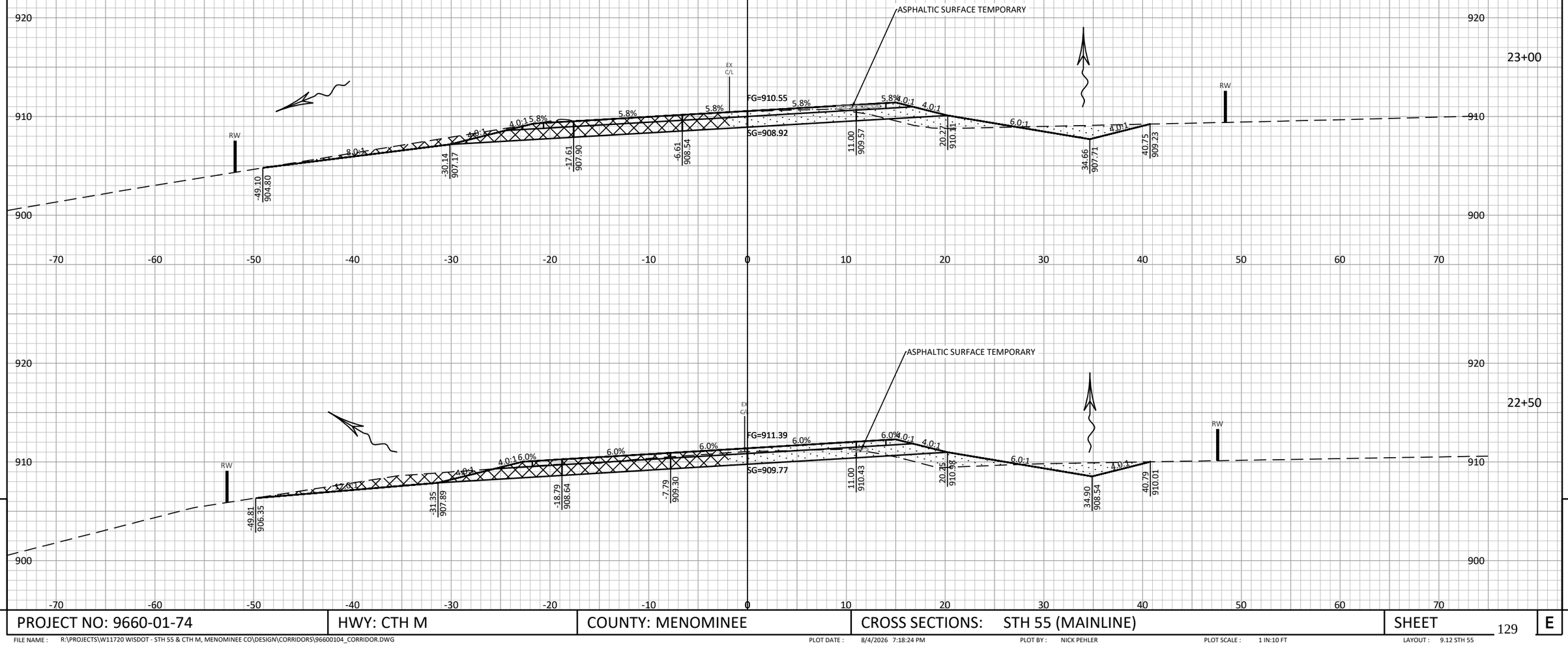
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LEGEND

STAGE 1 CONSTRUCTION

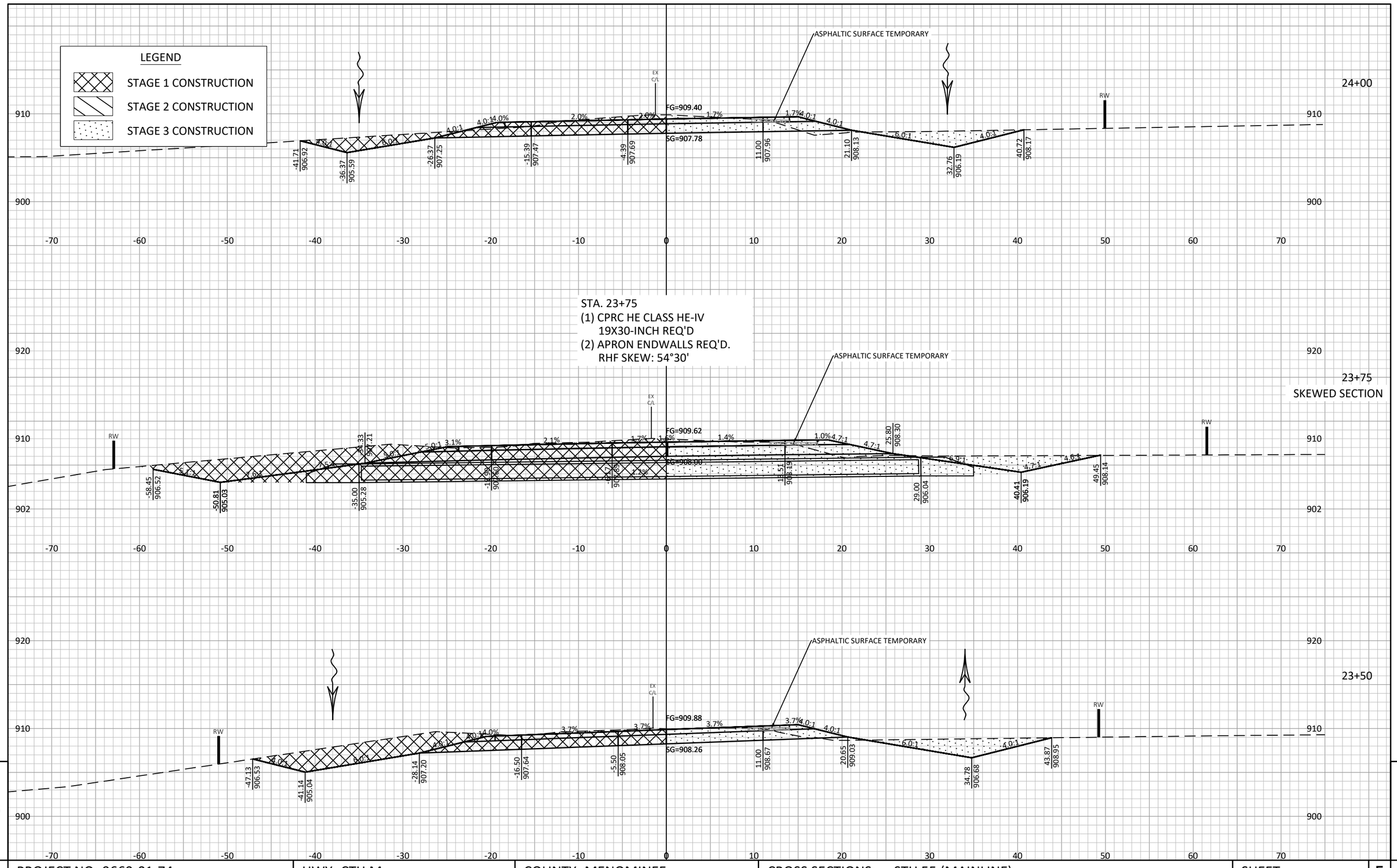
STAGE 2 CONSTRUCTION

STAGE 3 CONSTRUCTION



PROJECT NO: 9660-01-74	HWY: CTH M	COUNTY: MENOMINEE	CROSS SECTIONS: STH 55 (MAINLINE)	SHEET	E

FILE NAME : R:\PROJECTS\W11720 WISDOT - STH 55 & CTH M, MENOMINEE CO\DESIGN\CORRIDORS\96600104_CORRIDOR.DWG PLOT DATE : 8/4/2026 7:18:24 PM PLOT BY : NICK PEHLER PLOT SCALE : 1 IN:10 FT LAYOUT : 9.12 STH 55



PROJECT NO: 9660-01-74	HWY: CTH M	COUNTY: MENOMINEE	CROSS SECTIONS: STH 55 (MAINLINE)	SHEET	E

FILE NAME : R:\PROJECTS\W11720 WISDOT - STH 55 & CTH M, MENOMINEE CO\DESIGN\CORRIDORS\96600104_CORRIDOR.DWG PLOT DATE : 10/21/2026 3:54:43 PM PLOT BY : HANNAH SCHUH PLOT SCALE : 1 IN:10 FT LAYOUT : 9.13 STH 55

LEGEND

STAGE 1 CONSTRUCTION

STAGE 2 CONSTRUCTION

STAGE 3 CONSTRUCTION

END PROJECT STH 55
STA. 25+97.50
MATCH EXISTING

ASPHALTIC SURFACE TEMPORARY

25+97

BEGIN SHOULDER TAPER
STA. 25+57.50

ASPHALTIC SURFACE TEMPORARY

FG=909.11

SG=907.49

25+50

ASPHALTIC SURFACE TEMPORARY

FG=909.02

SG=907.39

25+00

ASPHALTIC SURFACE TEMPORARY

FG=909.12

SG=907.49

24+50

9

9

PROJECT NO: 9660-01-74	HWY: CTH M	COUNTY: MENOMINEE	CROSS SECTIONS: STH 55 (MAINLINE)	SHEET 131 E

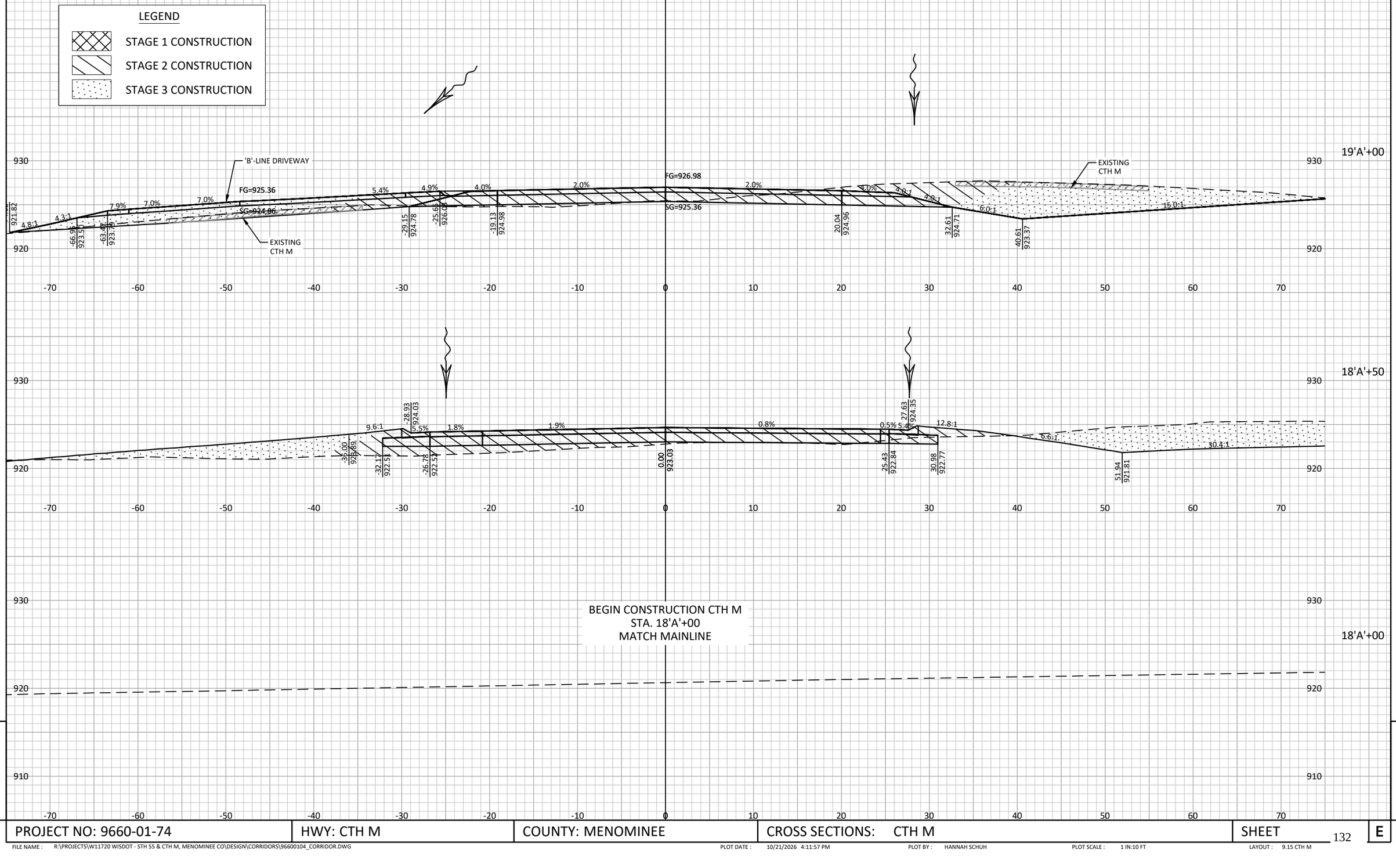
FILE NAME : R:\PROJECTS\W11720 WISDOT - STH 55 & CTH M, MENOMINEE CO\DESIGN\CORRIDORS\96600104_CORRIDOR.DWG PLOT DATE : 8/4/2026 7:18:31 PM PLOT BY : NICK PEHLER PLOT SCALE : 1 IN:10 FT LAYOUT : 9.14 STH 55

LEGEND

STAGE 1 CONSTRUCTION

STAGE 2 CONSTRUCTION

STAGE 3 CONSTRUCTION



PROJECT NO: 9660-01-74	HWY: CTH M	COUNTY: MENOMINEE	CROSS SECTIONS: CTH M	SHEET 132	E

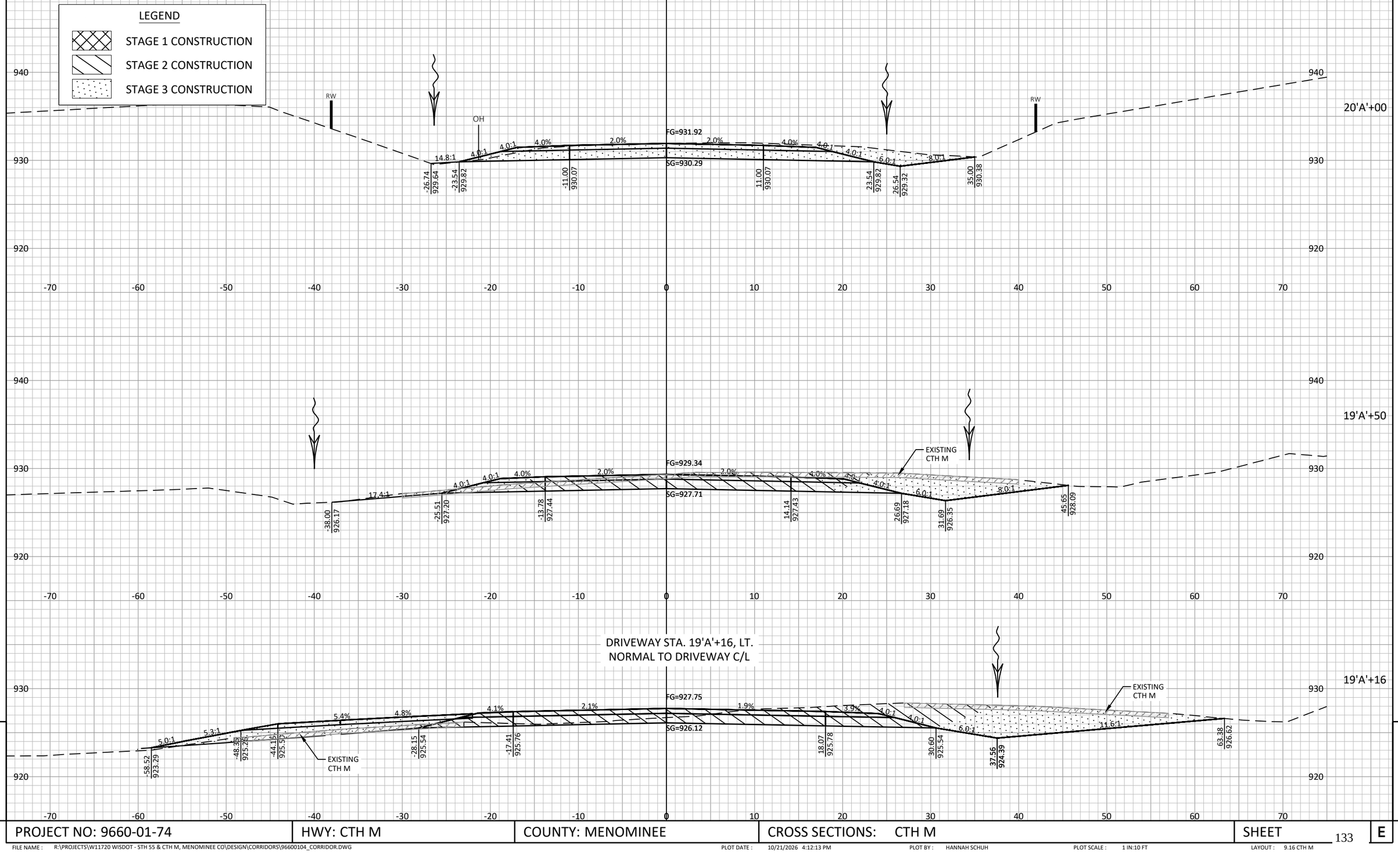
FILE NAME : R:\PROJECTS\W11720 WISDOT - STH 55 & CTH M, MENOMINEE CO\DESIGN\CORRIDORS\96600104_CORRIDOR.DWG PLOT DATE : 10/21/2026 4:11:57 PM PLOT BY : HANNAH SCHUH PLOT SCALE : 1 IN:10 FT LAYOUT : 9.15 CTH M

LEGEND

STAGE 1 CONSTRUCTION

STAGE 2 CONSTRUCTION

STAGE 3 CONSTRUCTION



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PROJECT NO: 9660-01-74	HWY: CTH M	COUNTY: MENOMINEE	CROSS SECTIONS: CTH M	SHEET	E

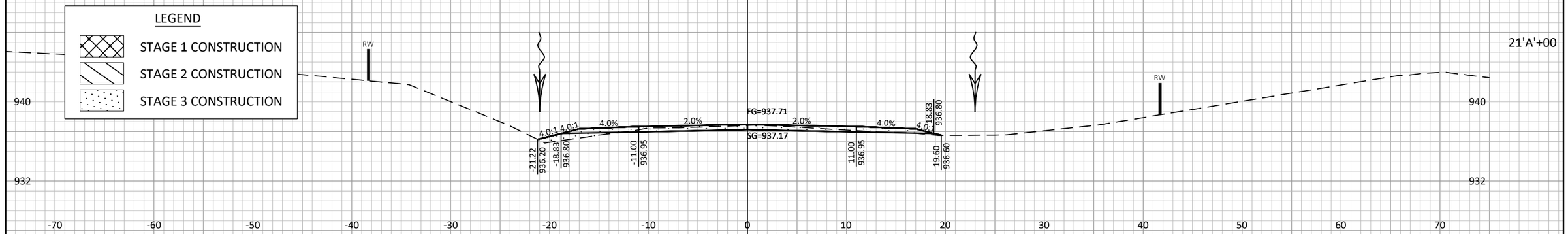
FILE NAME : R:\PROJECTS\W11720 WISDOT - STH 55 & CTH M, MENOMINEE CO\DESIGN\CORRIDORS\96600104_CORRIDOR.DWG PLOT DATE : 10/21/2026 4:12:13 PM PLOT BY : HANNAH SCHUH PLOT SCALE : 1 IN:10 FT LAYOUT : 9.16 CTH M

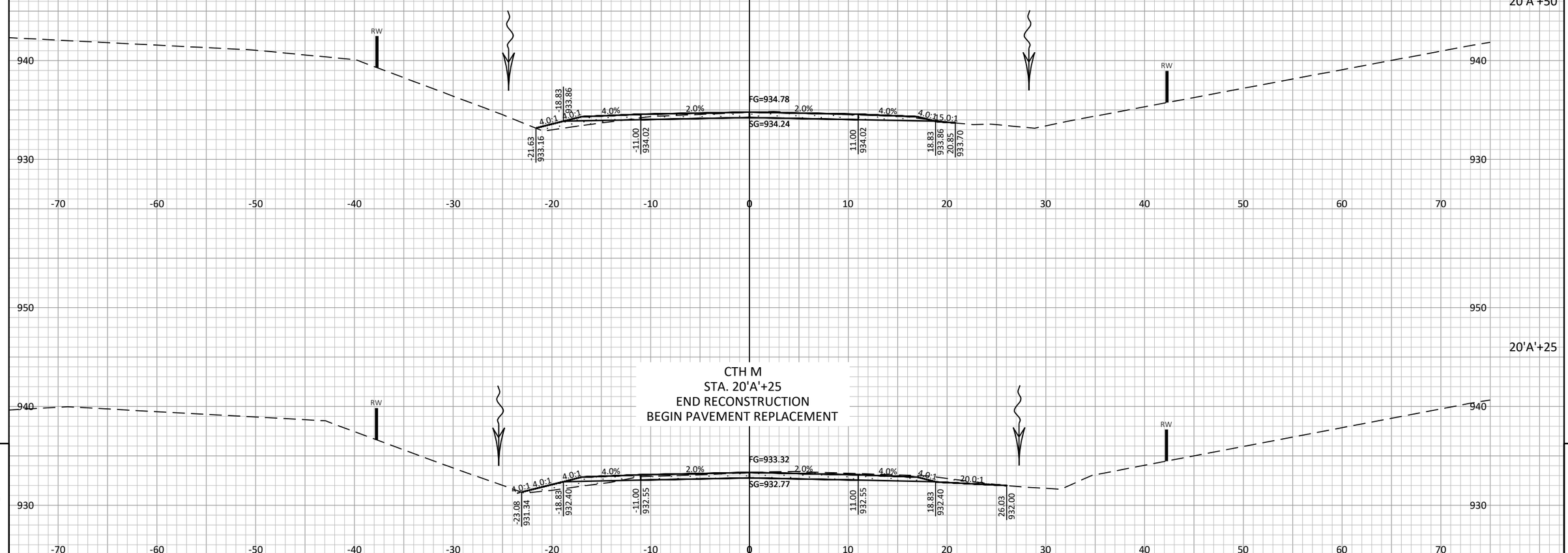
LEGEND

STAGE 1 CONSTRUCTION

STAGE 2 CONSTRUCTION

STAGE 3 CONSTRUCTION





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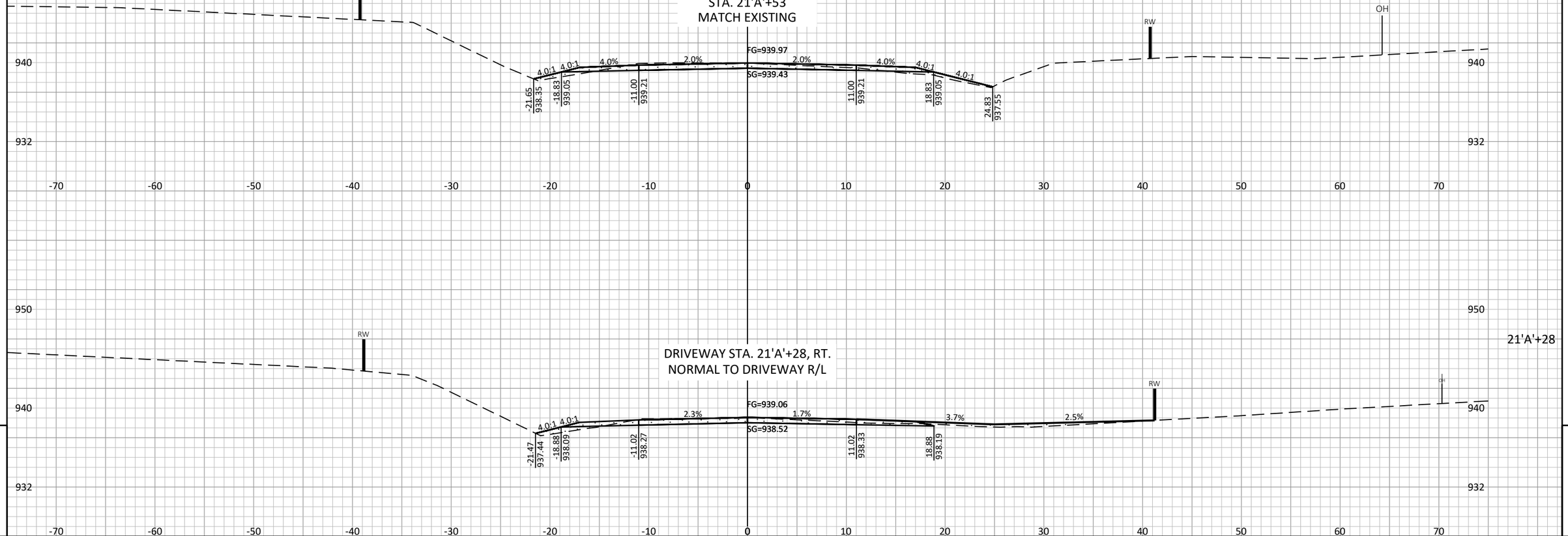
PROJECT NO: 9660-01-74	HWY: CTH M	COUNTY: MENOMINEE	CROSS SECTIONS: CTH M	SHEET 134	E

LEGEND

STAGE 1 CONSTRUCTION

STAGE 2 CONSTRUCTION

STAGE 3 CONSTRUCTION

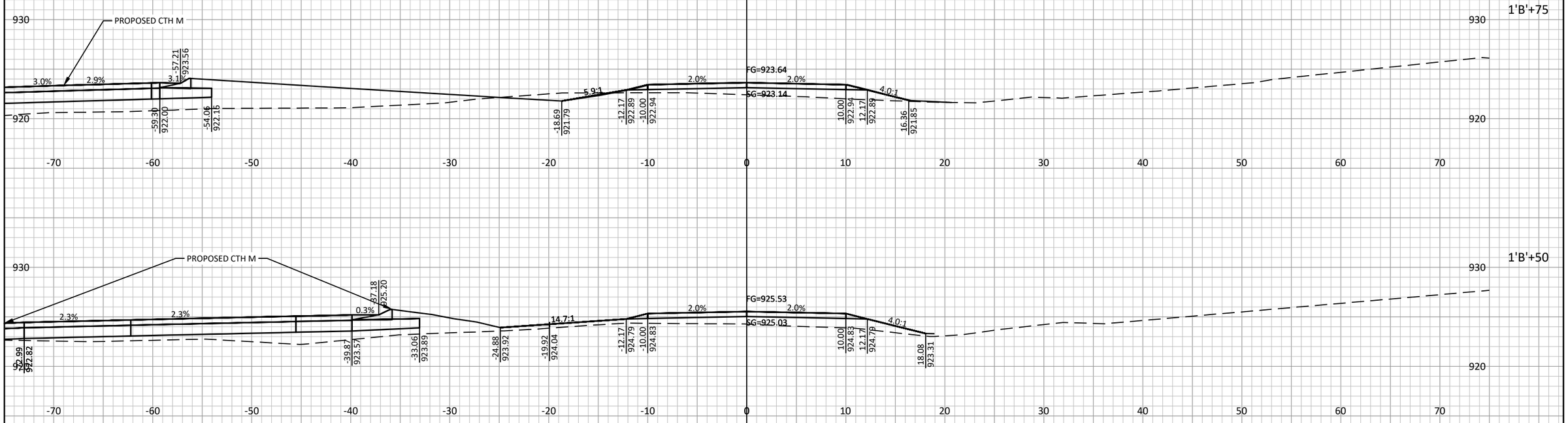


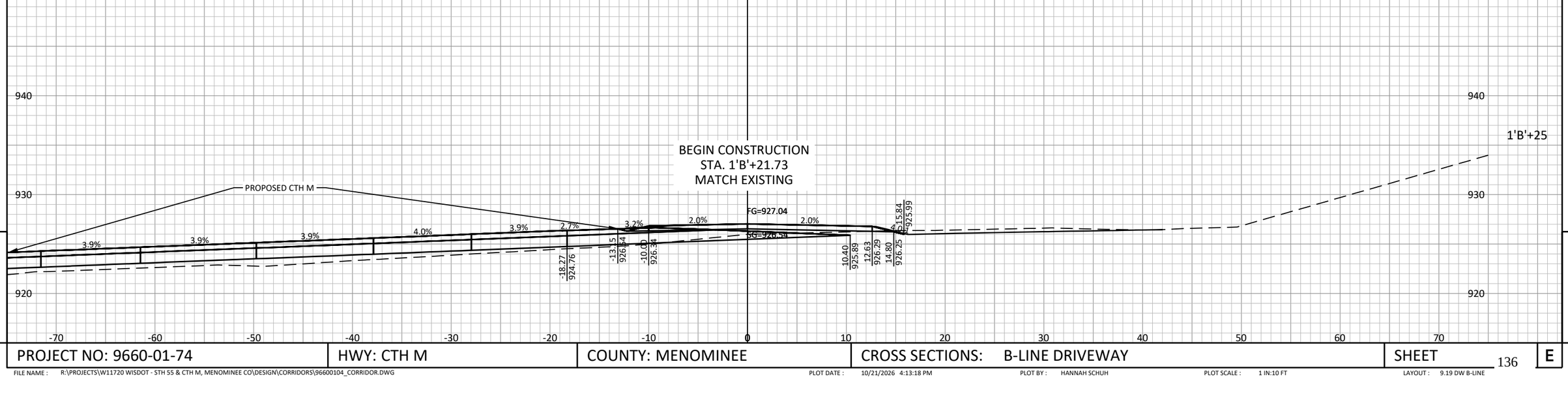
9

9

PROJECT NO: 9660-01-74	HWY: CTH M	COUNTY: MENOMINEE	CROSS SECTIONS: CTH M	SHEET 135	E

NOTE:
CONSTRUCT DRIVEWAY DURING
STAGE 3 CONSTRUCTION





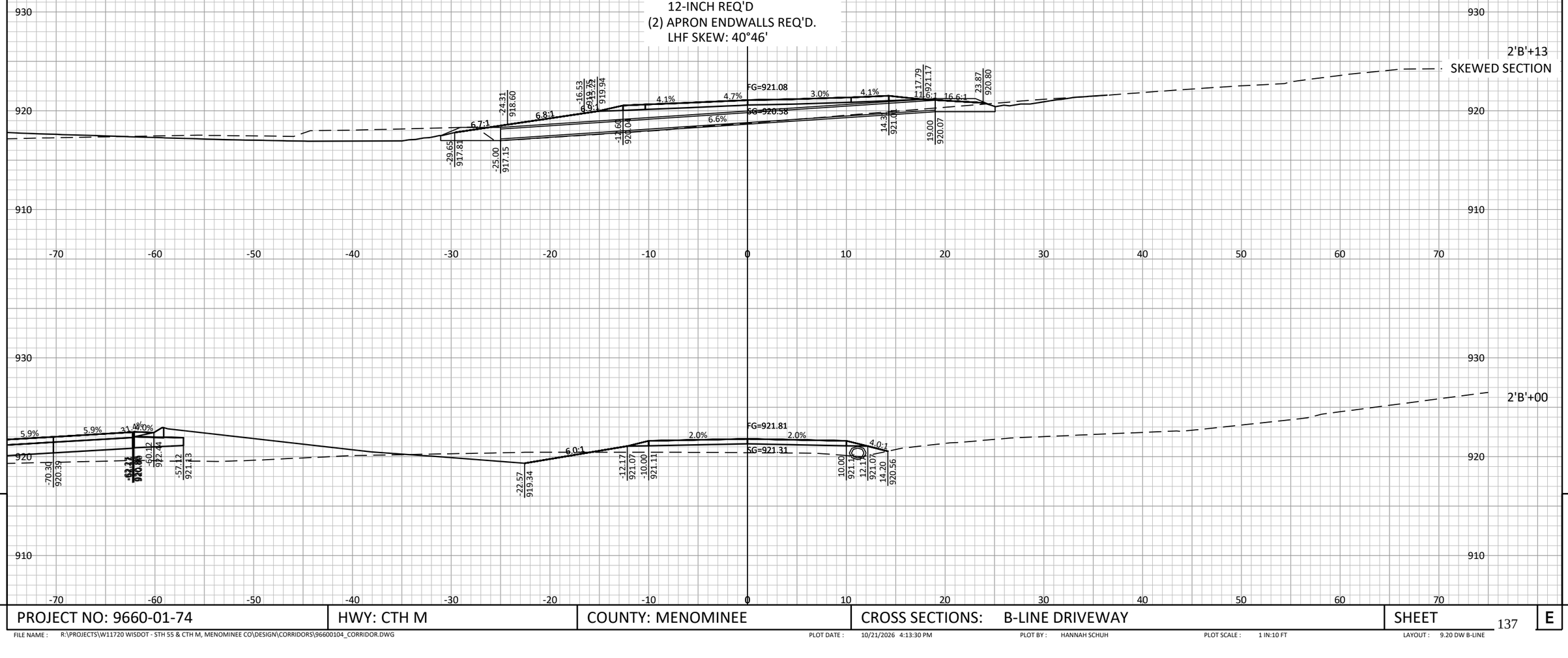
9 9

PROJECT NO: 9660-01-74	HWY: CTH M	COUNTY: MENOMINEE	CROSS SECTIONS: B-LINE DRIVEWAY	SHEET 136	E

FILE NAME : R:\PROJECTS\W11720 WISDOT - STH 55 & CTH M, MENOMINEE CO\DESIGN\CORRIDORS\96600104_CORRIDOR.DWG
PLOT DATE : 10/21/2026 4:13:18 PM
PLOT BY : HANNAH SCHUH
PLOT SCALE : 1 IN:10 FT
LAYOUT : 9.19 DW B-LINE

NOTE:
CONSTRUCT DRIVEWAY DURING
STAGE 3 CONSTRUCTION

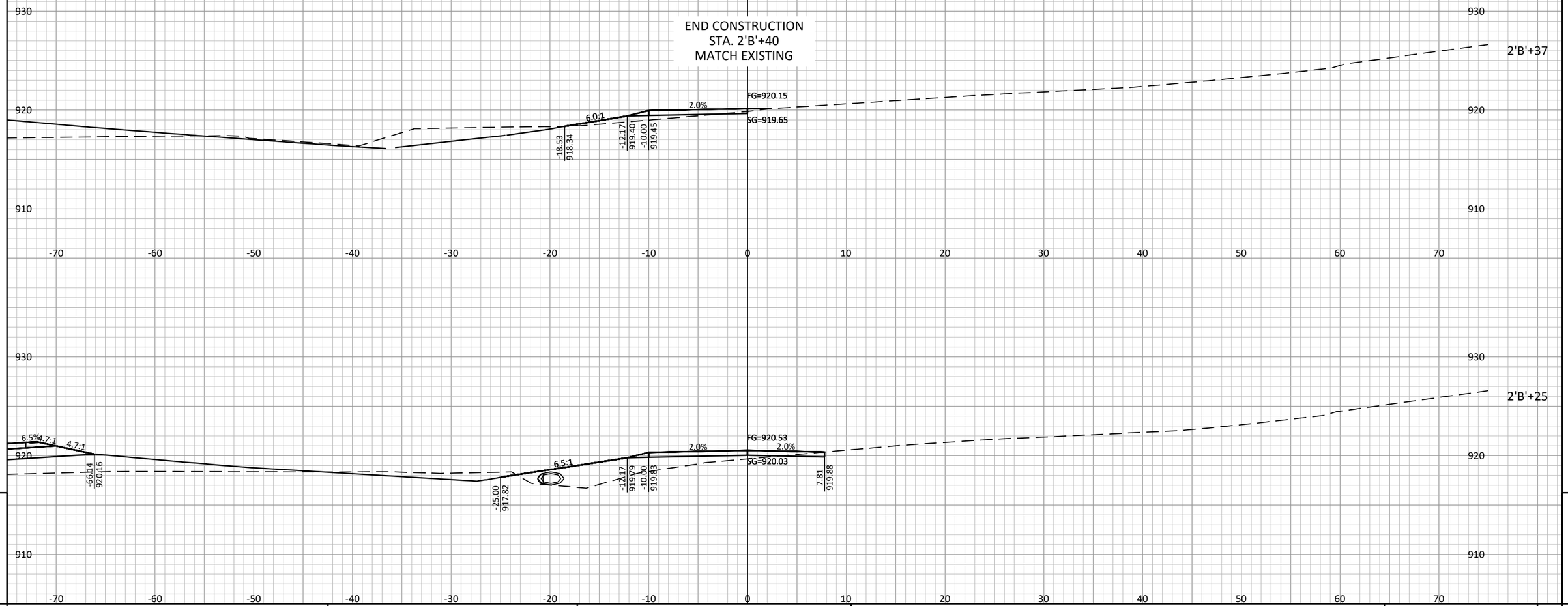
STA. 2'B'+13
(1) CP CLASS III-A NON-METAL
12-INCH REQ'D
(2) APRON ENDWALLS REQ'D.
LHF SKEW: 40°46'



PROJECT NO: 9660-01-74	HWY: CTH M	COUNTY: MENOMINEE	CROSS SECTIONS: B-LINE DRIVEWAY	SHEET	E

FILE NAME : R:\PROJECTS\W11720 WISDOT - STH 55 & CTH M, MENOMINEE CO\DESIGN\CORRIDORS\96600104_CORRIDOR.DWG
PLOT DATE : 10/21/2026 4:13:30 PM PLOT BY : HANNAH SCHUH PLOT SCALE : 1 IN:10 FT LAYOUT : 9.20 DW B-LINE

NOTE:
CONSTRUCT DRIVEWAY DURING
STAGE 3 CONSTRUCTION



9

9

PROJECT NO: 9660-01-74	HWY: CTH M	COUNTY: MENOMINEE	CROSS SECTIONS: B-LINE DRIVEWAY	SHEET	E

FILE NAME : R:\PROJECTS\W11720 WISDOT - STH 55 & CTH M, MENOMINEE CO\DESIGN\CORRIDORS\96600104_CORRIDOR.DWG PLOT DATE : 10/21/2026 4:13:41 PM PLOT BY : HANNAH SCHUH PLOT SCALE : 1 IN:10 FT LAYOUT : 9.21 DW B-LINE

Notes

Wisconsin Department of Transportation

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through innovation and exceptional service.

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