WIS FEBRUARY 2024

PROJECT ID: 6767-01-71/6767-02-71

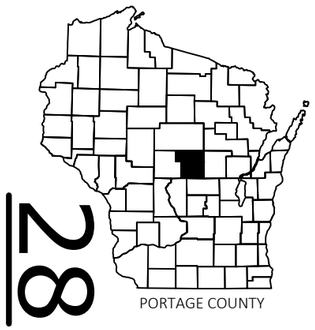
WITH:

COUNTY: PORTAGE

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 = 416



STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
6767-01-71	WISC 2024246	1
6767-02-71	WISC 2024247	1

V PLOVER, CTH B

WISCONSIN AVENUE TO HOOVER AVENUE

CTH B
PORTAGE COUNTY

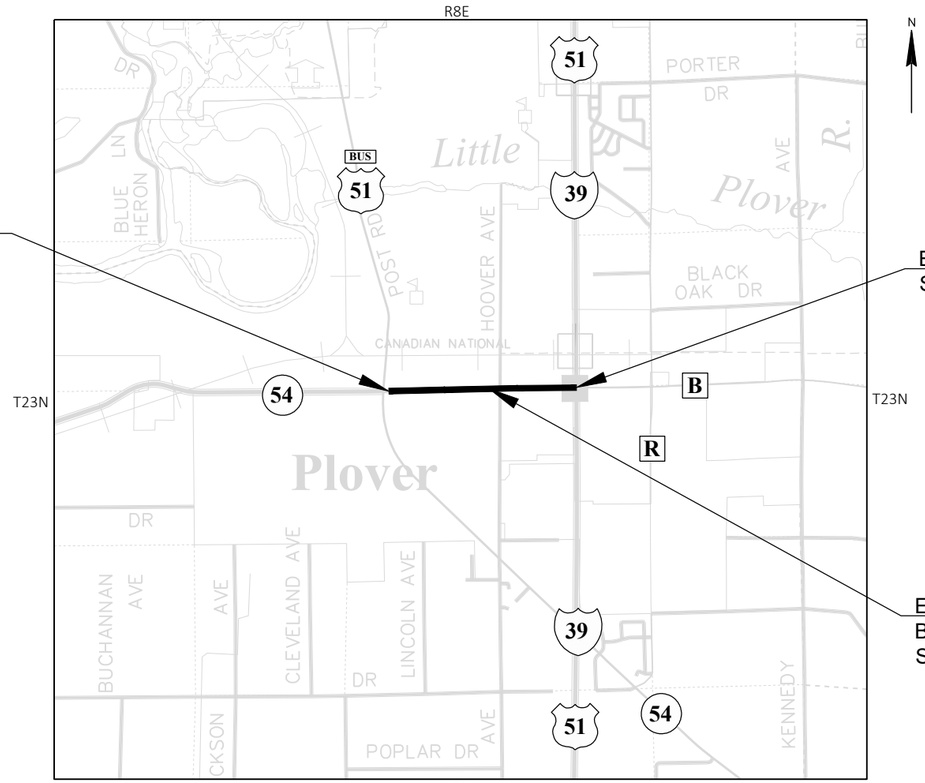
STATE PROJECT NUMBER
6767-01-71

V PLOVER, CTH B

HOOVER AVENUE TO IH 39 INTERCHANGE

CTH B
PORTAGE COUNTY

STATE PROJECT NUMBER
6767-02-71



BEGIN PROJECT 6767-01-71
STA 104+90
X = 173854.458
Y = 177541.563

END PROJECT 6767-02-71
STA 164+24

END PROJECT 6767-01-71
BEGIN PROJECT 6767-02-71
STA 139+71

LAYOUT

SCALE 0 1 MI

TOTAL NET LENGTH OF CENTERLINE = 1.124 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), PORTAGE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID 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 12A.

DESIGN DESIGNATION

A.A.D.T.	2017	=	20,000
A.A.D.T.	2044	=	26,200
D.H.V.		=	3,144
D.D.		=	50/50
T.		=	13.3%
DESIGN SPEED		=	45 MPH
ESALS		=	9,700,000

CONVENTIONAL SYMBOLS

PLAN

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

PROFILE

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

UTILITIES

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

APPROVED FOR PORTAGE COUNTY

10/30/2023 _____

DATE HIGHWAY COMMISSIONER

ORIGINAL PLANS PREPARED BY

GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac
120 Wilshire Boulevard North • Stevens Point, WI 54481
(715) 341-4363 • fax (715) 341-1256

WISCONSIN DEXTER D. KAETTERHENRY E-43966 PLOVER WI PROFESSIONAL ENGINEER

10/25/2023 _____

DATE DEXTER D. KAETTERHENRY, PE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	GREMMER & ASSOCIATES, INC.
Designer	GREMMER & ASSOCIATES, INC.
Project Manager	JASON SCHAEFFER
Regional Examiner	FRED SCHUNKE
Regional Supervisor	DANIEL ERVA

APPROVED FOR THE DEPARTMENT

DATE: 10/31/2023 _____ (Signature)

E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\010101_TI\010101_TI.DWG PLOT DATE : 10/27/2023 4:09 PM PLOT BY : DEXTER KAETTERHENRY PLOT NAME :

GENERAL NOTES

UTILITY FACILITIES SHOWN WITHIN THE PLANS ARE APPROXIMATE AND THERE MAY BE OTHER UTILITIES NOT SHOWN. PRIVATE UTILITIES AND OTHER UTILITIES NOT LOCATED BY A DIGGERS HOTLINE LOCATE ARE NOT SHOWN. FIELD VERIFY AND LOCATE ALL UTILITIES FOR ACTUAL LOCATIONS, OTHER FACILITIES SIZES, TYPES, MATERIAL AND DEPTHS.

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

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

WHEN THE QUANTITY OF THE ITEMS OF BASE AGGREGATE DENSE OR HMA PAVEMENT IS MEASURED FOR PAYMENT BY THE TON, THE ASPHALTIC SURFACE DEPTH OR THICKNESS OF THE MATERIAL SHOWN ON THE PLAN IS APPROXIMATE, AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

HMA PAVEMENT AND ASPHALTIC SURFACE WEIGHT CALCULATIONS ARE BASED ON 112 LBS/SY-INCH.

THE EXACT LOCATION OF PRIVATE ENTRANCES IS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

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

6" TOPSOIL, SEED, FERTILIZER AND EROSION MAT SHALL BE PLACED ON ALL DISTURBED AREAS, EXCLUSIVE OF THE AREA OCCUPIED BY THE NEW PAVEMENTS, SIDEWALKS, ENTRANCES, AND RELATED STRUCTURES.

SECTIONS AS SHOWN ON THE CROSS-SECTIONS INCLUDE THE THICKNESS OF TOPSOIL WHERE REQUIRED.

CURB AND GUTTER RADII ARE SHOWN TO THE FLANGE OF CURB.

ROADWAY DIMENSIONS ARE SHOWN TO THE FLANGE OF CURB.

CONTRACTOR SHALL VERIFY EXISTING PIPE SIZES, MATERIALS AND INVERT ELEVATIONS WHEN CONNECTING NEW PIPES INTO EXISTING PIPES PRIOR TO MANUFACTURING MANHOLES, INLETS, CATCH BASINS OR OTHER STRUCTURES. ROTATE MANHOLE COVERS TO MATCH LANE LINES OR CENTER OF LANE AS DIRECTED BY THE ENGINEER IN THE FIELD.

ALL CURB RAMPS SHALL BE 6-INCH THICK AND PAID FOR AS CONCRETE SIDEWALK 6-INCH.

12" FELT REQUIRED BETWEEN NEW CONCRETE AND EXISTING POWER POLES, LIGHT BASES, WATER VALVES, AND SIMILAR OBJECTS.

SILT FENCE SHALL BE PLACED AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER IN THE FIELD. SILT FENCE SHALL BE PLACED PRIOR TO CONSTRUCTION.

ORDER OF SECTION 2 SHEETS

GENERAL NOTES

PROJECT OVERVIEW

TYPICAL SECTIONS

CONSTRUCTION DETAILS

REMOVAL PLAN

CURB RAMP DETAILS

PLAN DETAILS

EROSION CONTROL

STORM SEWER PLANS

LIGHTING PLANS

TRAFFIC SIGNAL PLAN

PAVEMENT MARKING & PERMANENT SIGNING

TRAFFIC CONTROL

DETOUR PLAN

ALIGNMENT DIAGRAMS

PROJECT CONTACTS

ENGINEER
GREMMER & ASSOCIATES, INC.
ATTN: DEXTER KAETTERHENRY, P.E.
120 WILSHIRE BOULEVARD NORTH
STEVENS POINT, WI 54481
OFFICE: 715.341.4363
EMAIL: d.kaetterhenry@gremmerassociates.com

ENGINEER
PORTAGE COUNTY HIGHWAY DEPARTMENT
ATTN: NATHAN CHECK, HIGHWAY COMMISSIONER
800 PLOVER ROAD
PLOVER, WI 54467
OFFICE: 715.345.5230
MOBILE: 715.630.2203
EMAIL: checkn@co.portage.wi.us

WISCONSIN DEPARTMENT OF NATURAL RESOURCES
ATTN: MATT SCHAEVE
2984 SHAWANO AVE
GREEN BAY, WI 54313
MOBILE: 920.366.1544
EMAIL: matthew.schaeve@wisconsin.gov

WISCONSIN DEPARTMENT OF TRANSPORTATION
ATTN: JASON SCHAEFFER
1681 SECOND AVENUE SOUTH
WISCONSIN RAPIDS, WI 54495
MOBILE: 715.421.7309
EMAIL: jason.schaeffer@dot.wi.gov

UTILITIES

AT&T WISCONSIN - COMMUNICATION LINE
ATTN: CHARLES BARTELT
70 E DIVISION STREET
FOND DU LAC, WI 54935
PHONE: (920) 929-1013
EMAIL: cb1461@att.com

CHARTER COMMUNICATIONS - COMMUNICATION LINE
ATTN: RUDI RUDIGER
5024 HEFFRON STREET
STEVENS POINT, WI 54481
PHONE: (715) 204-5339
EMAIL: rudi.rudiger@charter.com

NET LEC LLC - COMMUNICATION LINE
ATTN: RICK VINCENT
470 SECURITY BOULEVARD
GREEN BAY, WI 54313
PHONE: (920) 617-7316
EMAIL: rick.vincent@nsight.com

SOLARUS
ATTN: BRIAN SOUTHWORTH
440 EAST GRAND AVENUE
P.O. BOX 8045
WISCONSIN RAPIDS, WI 54495
PHONE: (715) 424-8236
EMAIL: bsouthworth@solarus.net

VILLAGE OF PLOVER - SEWER
ATTN: ROY HOPFENSPERGER
P.O. BOX 37
PLOVER, WI 54467
PHONE: (715) 345-5257
EMAIL: rhopfensperger@ploverwi.gov

VILLAGE OF PLOVER - WATER
ATTN: ROY HOPFENSPERGER
P.O. BOX 37
PLOVER, WI 54467
PHONE: (715) 345-5257
EMAIL: rhopfensperger@ploverwi.gov

WISCONSIN PUBLIC SERVICE CORPORATION - ELECTRICITY
ATTN: WENDY CHRIST
P.O. BOX 19001
GREEN BAY, WI 54307-9001
PHONE: (920) 617-5173
EMAIL: UtilitiesRelocation@wisconsinpublicservice.com

WISCONSIN PUBLIC SERVICE CORPORATION - GAS/PETROLEUM
ATTN: WENDY CHRIST
P.O. BOX 19001
GREEN BAY, WI 54307-9001
PHONE: (920) 617-5173
EMAIL: UtilitiesRelocation@wisconsinpublicservice.com

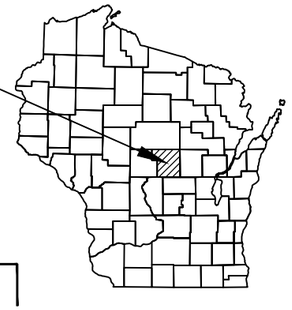
RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP- TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPE- TURF			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT:												
ASPHALT	.70 - .95											
CONCRETE	.80 - .95											
BRICK	.70 - .80											
DRIVES, WALKS	.75 - .85											
ROOFS	.75 - .95											
GRAVEL ROADS, SHOULDERS	.40 - .60											

TOTAL PROJECT AREA = 17 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 7.2 ACRES

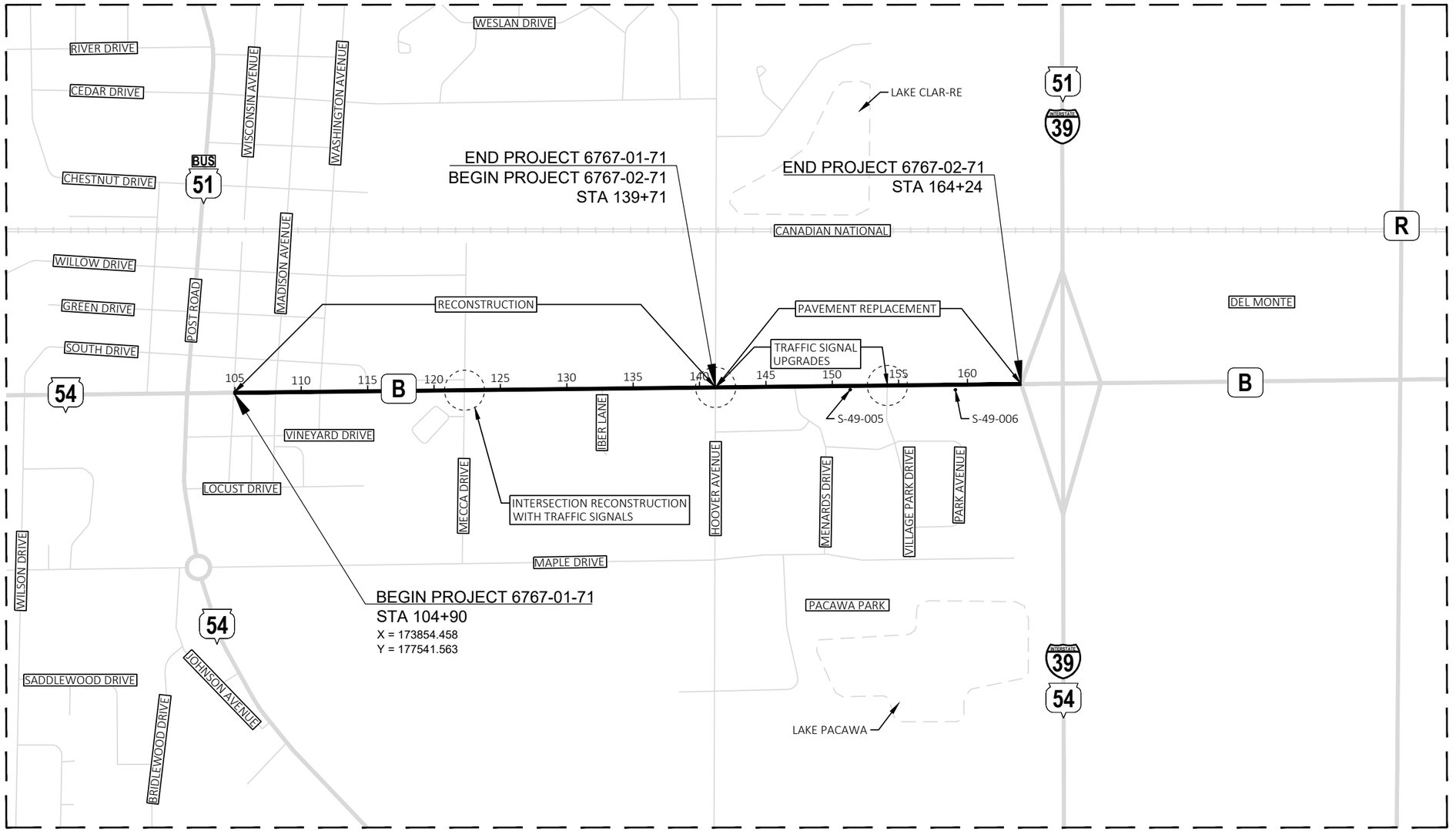
DIGGERS HOTLINE
Dial 811 or (800)242-8511
www.DiggersHotline.com

PROJECT LOCATION
PORTAGE COUNTY
PORTAGE COUNTY HIGHWAY DEPARTMENT

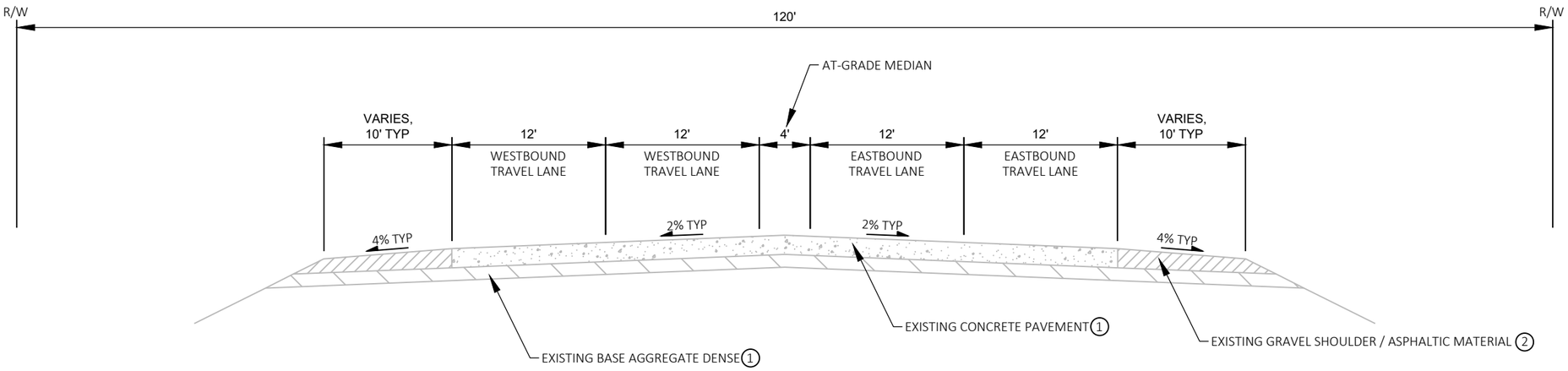


N

2



PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	PROJECT OVERVIEW	SHEET 3	E



TYPICAL EXISTING SECTION
STA 104+90 - STA 139+71
WISCONSIN AVENUE TO HOOVER AVENUE

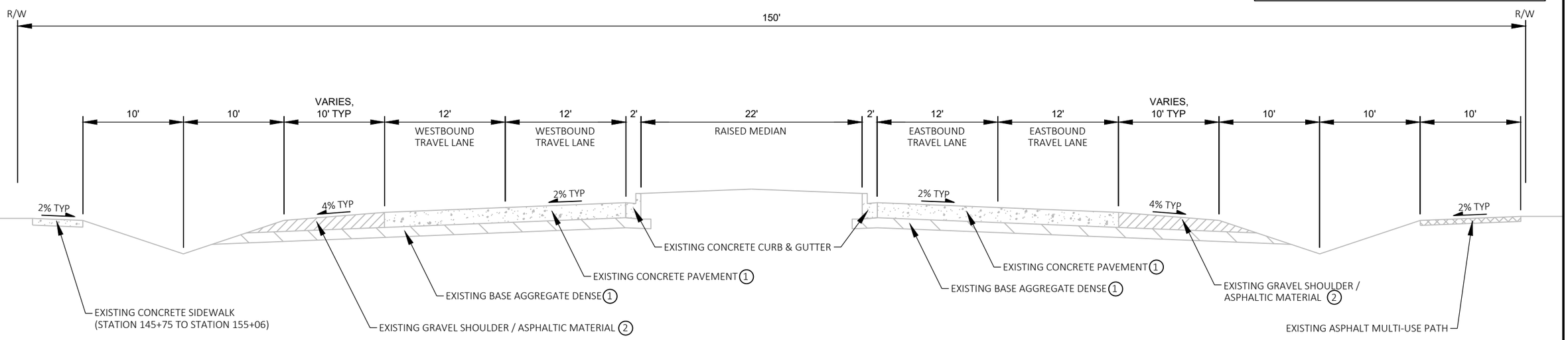
TYPICAL SECTION NOTES:

(1) BORING LOG

STA	EXISTING PCC	EXISTING BASE
111+50	7.25-INCHES	4.25-INCHES
118+00	8.00-INCHES	4.00-INCHES
129+50	8.50-INCHES	5.00-INCHES
134+50	7.75-INCHES	4.75-INCHES
151+00	7.00-INCHES	5.50-INCHES
158+50	8.25-INCHES	4.75-INCHES

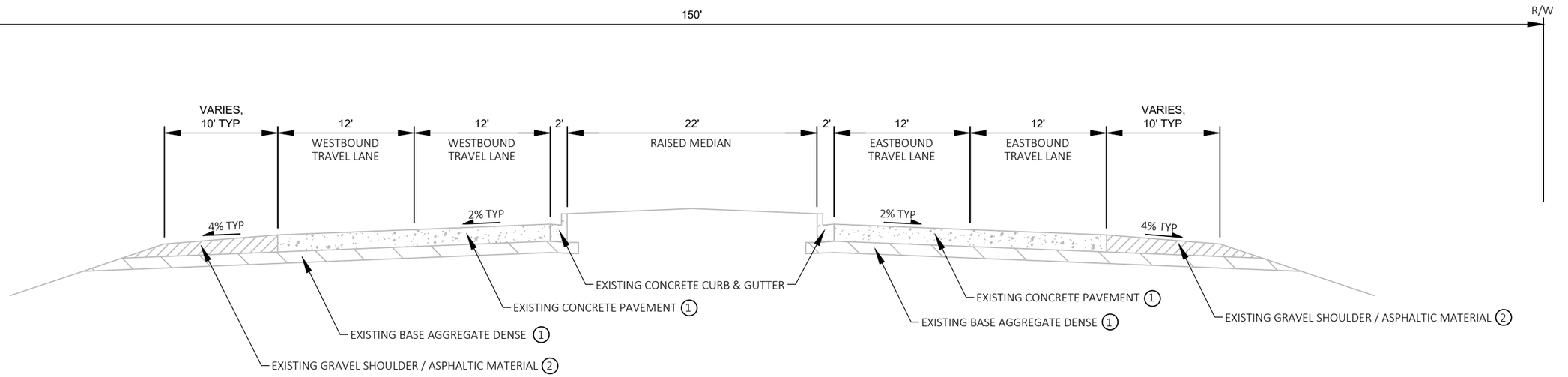
(2) ASPHALTIC SHOULDER LOCATIONS

STA	-	STA		COMMENT
142+42		146+97	RT	10' SHOULDER
148+10		148+93	RT	INTERSECTION TAPER
150+03		153+75	RT	RIGHT TURN LANE
155+52		156+72	RT	INTERSECTION TAPER
142+48		145+24	LT	RIGHT TURN LANE
145+85		146+91	LT	INTERSECTION TAPER
148+20		150+26	LT	RIGHT TURN LANE
152+73		153+92	LT	INTERSECTION TAPER
155+41		158+02	LT	RIGHT TURN LANE



TYPICAL EXISTING SECTION
STA 139+71 - STA 155+06
HOOVER AVENUE TO VILLAGE PARK DRIVE

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	TYPICAL SECTIONS - EXISTING	SHEET 4	E



TYPICAL EXISTING SECTION
STA 155+06 - STA 164+24
VILLAGE PARK DRIVE TO IH-39 RAMP

TYPICAL SECTION NOTES:

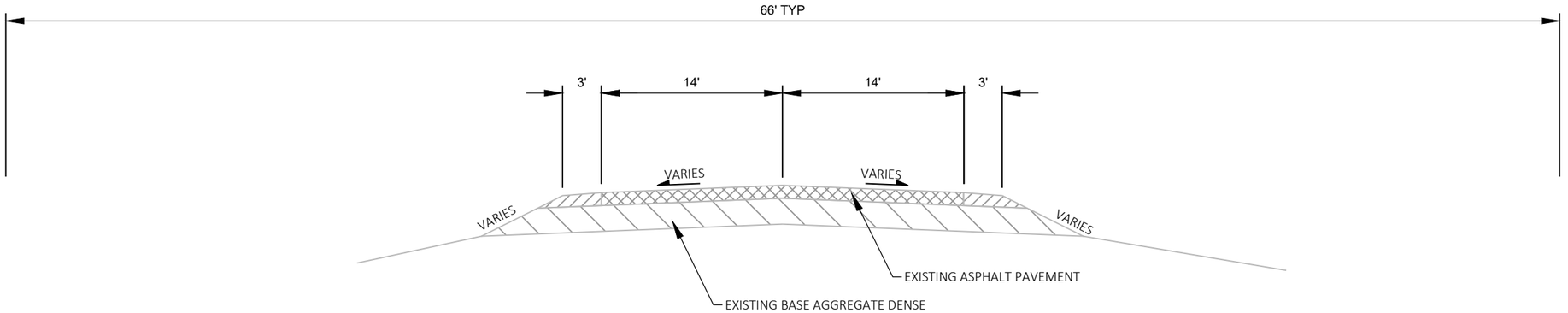
(1) BORING LOG

STA	EXISTING PCC	EXISTING BASE
111+50	7.25-INCHES	4.25-INCHES
118+00	8.00-INCHES	4.00-INCHES
129+50	8.50-INCHES	5.00-INCHES
134+50	7.75-INCHES	4.75-INCHES
151+00	7.00-INCHES	5.50-INCHES
158+50	8.25-INCHES	4.75-INCHES

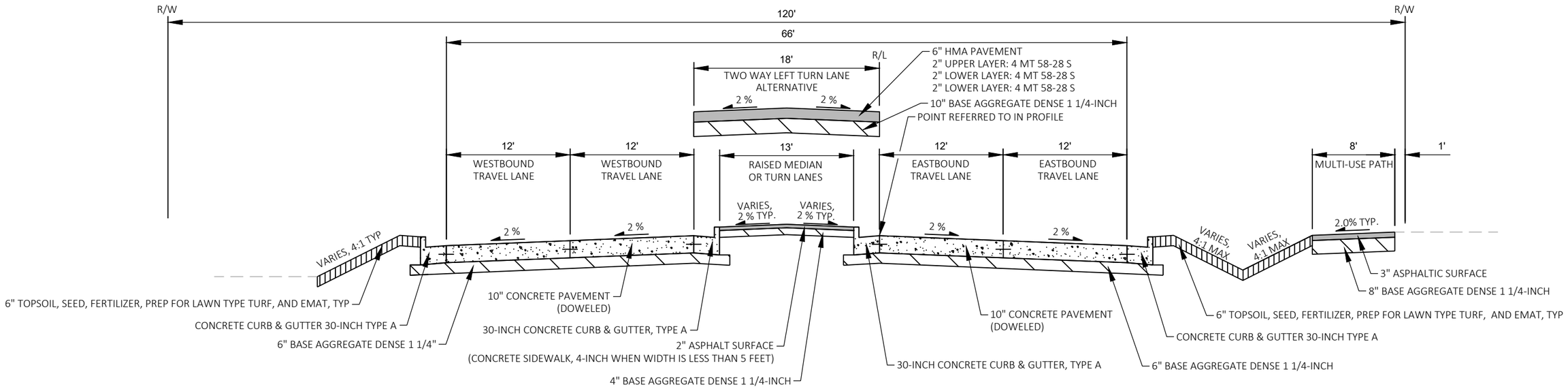
(2) ASPHALTIC SHOULDER LOCATIONS

STA	-	STA		COMMENT
142+42		146+97	RT	10' SHOULDER
148+10		148+93	RT	INTERSECTION TAPER
150+03		153+75	RT	RIGHT TURN LANE
155+52		156+72	RT	INTERSECTION TAPER
142+48		145+24	LT	RIGHT TURN LANE
145+85		146+91	LT	INTERSECTION TAPER
148+20		150+26	LT EX	RIGHT TURN LANE
152+73		153+92	LTR/W	INTERSECTION TAPER
155+41		158+02	LT	RIGHT TURN LANE

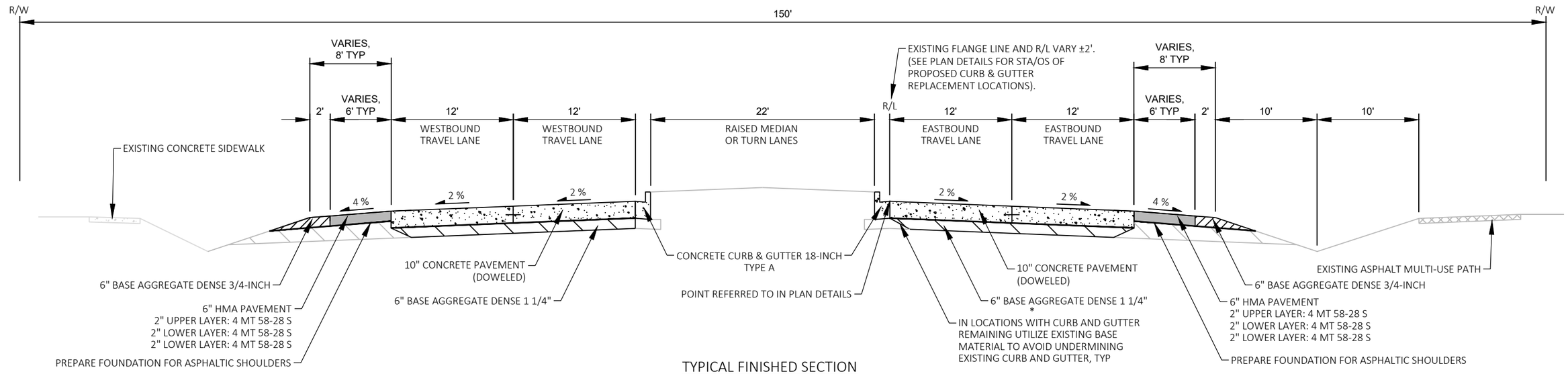
EX
R/W



TYPICAL EXISTING SECTION
WASHINGTON AVENUE (STA 600+74 TO STA 600+95)
MECCA DRIVE (STA 201+88 TO STA 203+30)
MECCA DRIVE (STA 205+40 TO STA 206+80)
IBER LANE (STA 700+82 TO STA 701+03)



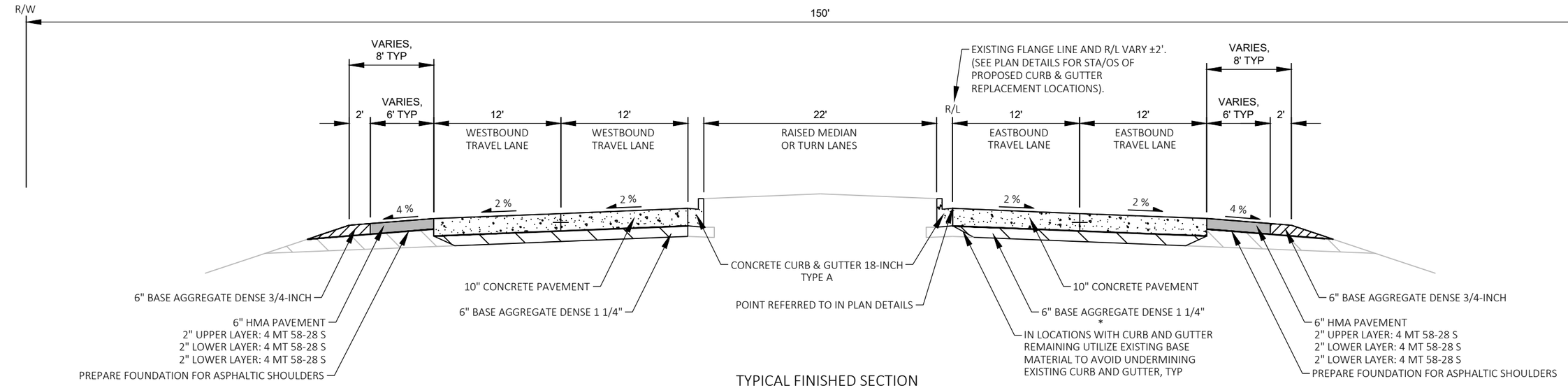
TYPICAL FINISHED SECTION
STA 104+90 - STA 139+71
WISCONSIN AVENUE TO HOOVER AVENUE
(RECONSTRUCT)



TYPICAL FINISHED SECTION
STA 139+71 - STA 155+06
HOOVER AVENUE TO VILLAGE PARK DRIVE
(PAVEMENT REPLACEMENT)

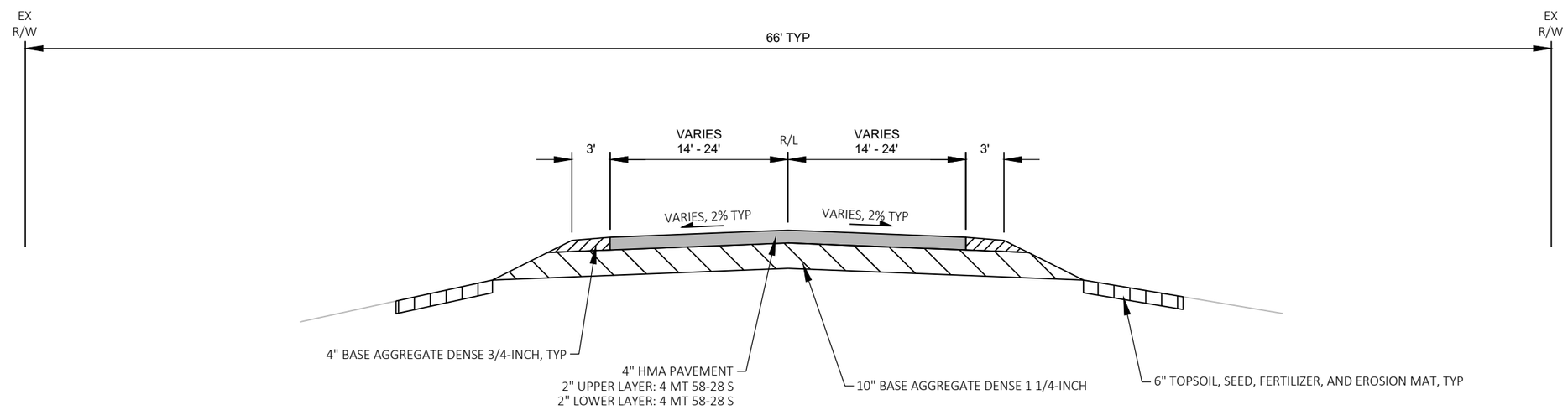
* IN LOCATIONS WITH EXISTING SIGNAL CONDUIT.
CONDUIT TO REMAIN UTILIZE EXISTING BASE MATERIAL
AND TOPDRESS WITH BASE AGGREGATE DENSE 1 1/4"

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	TYPICAL SECTIONS - FINISHED	SHEET 6	E



TYPICAL FINISHED SECTION
STA 155+06 - STA 164+24
VILLAGE PARK DRIVE TO IH-39 RAMP
(PAVEMENT REPLACEMENT)

* IN LOCATIONS WITH EXISTING SIGNAL CONDUIT. CONDUIT TO REMAIN UTILIZE EXISTING BASE MATERIAL AND ADDRESS WITH BASE AGGREGATE DENSE 1 1/4"

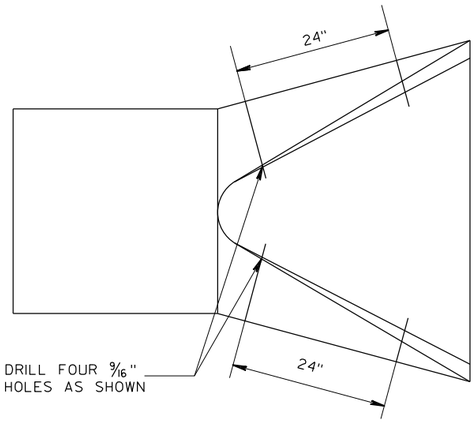


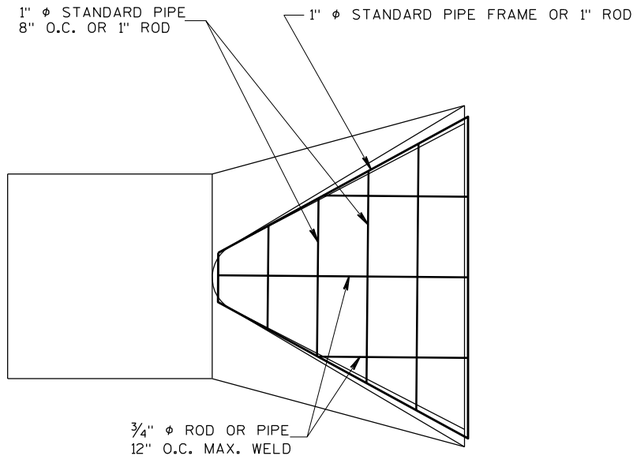
TYPICAL FINISHED SECTION
WASHINGTON AVENUE (STA 600+74 TO STA 600+95)
MECCA DRIVE (STA 201+88 TO STA 203+30)
MECCA DRIVE (STA 205+40 TO STA 206+80)
IBER LANE (STA 700+82 TO STA 701+03)

NOTES:

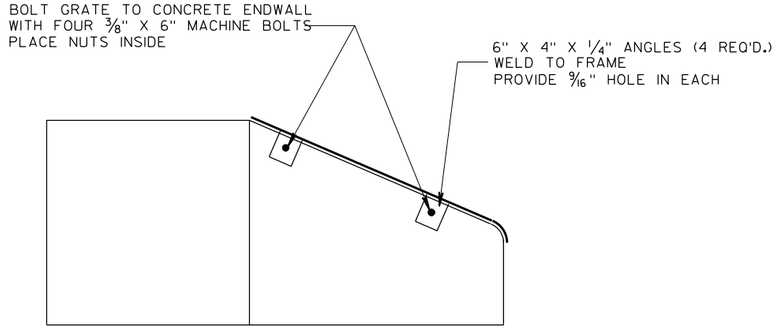
SOUTH DRIVE RESTORATION MATCHES FINISHED TYPICAL SECTION DEPICTED. LIMITS ARE FROM STA 114+78, 59' LT TO STA 114+78, 74' LT.

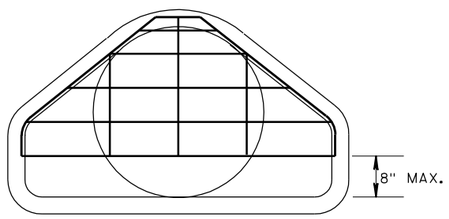
PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	TYPICAL SECTIONS - FINISHED	SHEET 7	E



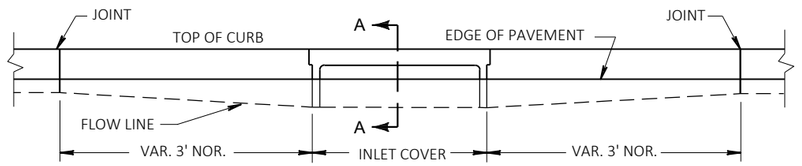


AT EACH PIPE

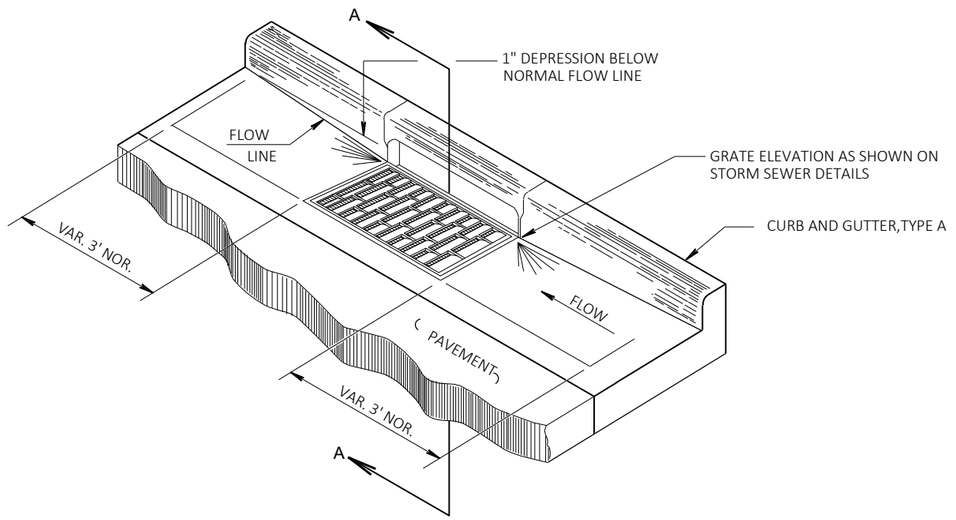


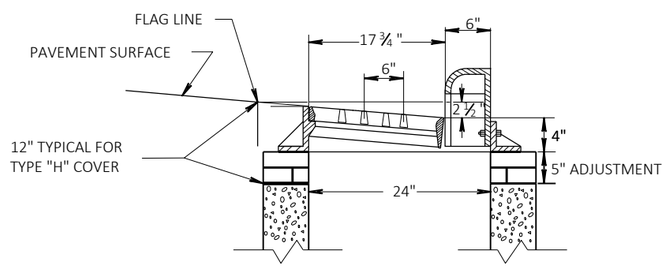


PIPE GRATE DETAIL



ELEVATION

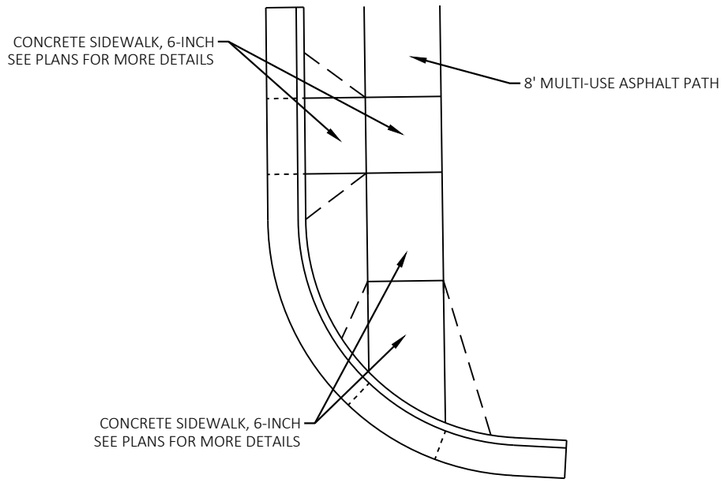




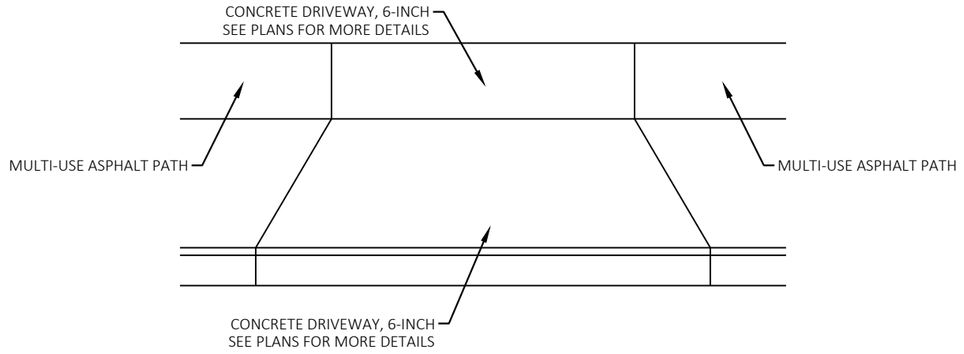
SECTION A-A

DETAIL OF CURB AND GUTTER AT INLETS

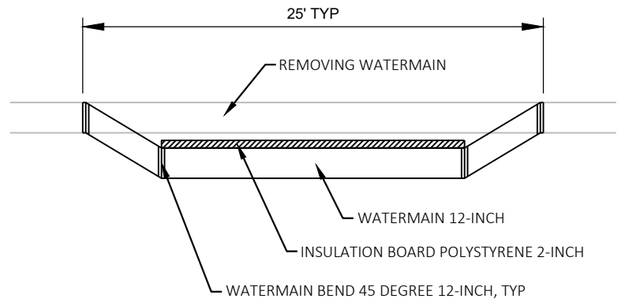
(TYPE 3-H INLET SHOWN)



CONCRETE SIDEWALK AT CURB RAMPS DETAIL

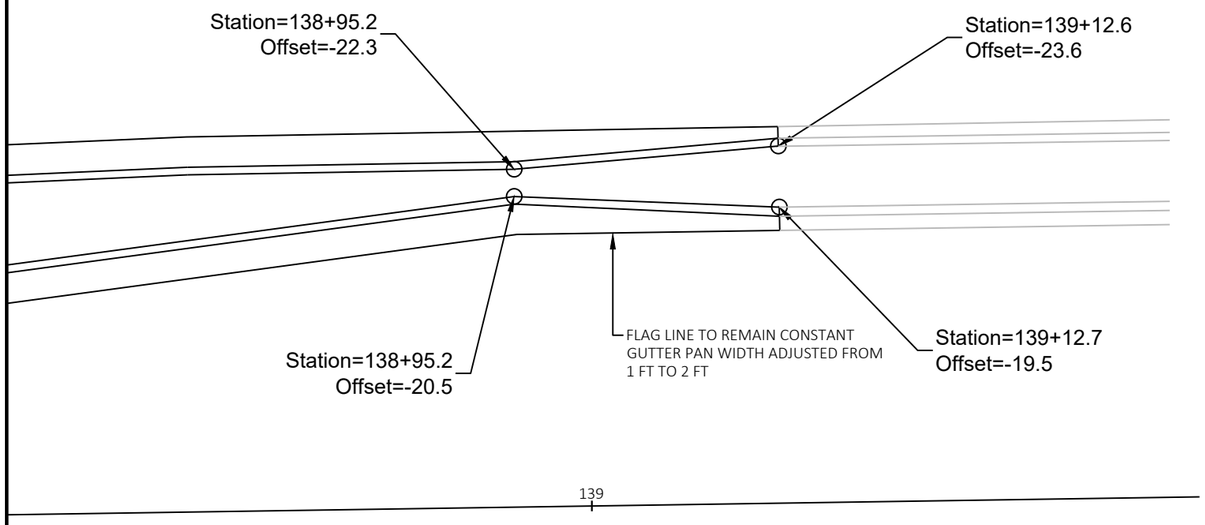


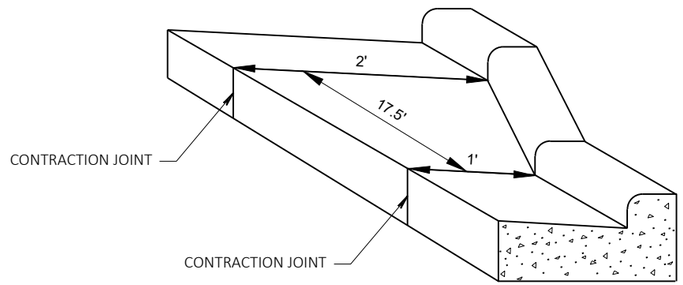
CONCRETE MATERIAL AT DRIVEWAYS DETAIL



WATERMAIN SADDLE DETAIL

2





18" C&G TO 30" C&G TRANSITION

PROJECT NO: 6767-01-71/6767-02-71	HWY: CTH B	COUNTY: PORTAGE	CONSTRUCTION DETAILS:	SHEET 9	E

CTH B

114 115 116 117 118

1076.33 SWALE

1075.88 SWALE

PI 114+93.36

24" SS

A

IP 1077.82

1077.90

1078.19

1078.22

1078.00

1077.25

GRAVEL DRIVEWAY

12'

1077.94

1077.75

1077.00

1077

1076

50'

1077.40

1077.25

15'

114+98
126.26' RT

INV = 1072.45

INV = 1072.55

1077
1076
1075
1074
1073
1072
1071
1070.50

6" PVC OUTLET PIPE
(WITH SCREEN)
INV = 1072.00

115+52
98.29' RT

115+49
123.36' RT

SEDIMENT TRAP (SEE DETAIL)
TOP ELEV: 1075.37 (NORTH, WEST, EAST)
TOP ELEV: 1073.70 (SOUTH)
BOT ELEV: 1072.20

RIPRAP MEDIUM W/
GEOTEXTILE TYPE HR

116+26
98.00' RT

1070.50

INFILTRATION AREA

EXISTING PROPERTY LINE

1078 1077 1076 1075 1074 1073 1072 1071

REMOVE BRUSH

1071 1072 1073 1074 1075 1076 1077 1078

31'

32'

35'

PROPOSED R/W

SLOPE INTERCEPT

114+92
226.18' RT

STORMWATER MANAGEMENT AREA
- DRY DETENTION AREA, WITH INFILTRATION AREA

N

NOTES:

ALL SLOPED AREAS ARE 4:1 UNLESS OTHERWISE NOTED.

CONTRACTOR SHALL AVOID OPERATING HEAVY EQUIPMENT WITHIN PROPOSED INFILTRATION AREA TO AVOID ANY COMPACTION.

6" PVC SEDIMENT OUTLET PIPE SCREEN SHALL CONSIST OF STAINLESS STEEL SCREEN MESH 1/8" X 1/8" OPENINGS AT UPSTREAM END, WITH INVERT AT SEDIMENT TRAP FLOOR LEVEL.

LEGEND:

1078 EXISTING CONTOUR

1078 PROPOSED CONTOUR

TREE REMOVAL/CLEARING AND GRUBBING

8' 4' 12' 6' 14' 8' 4'

1078.27

1077.50

1077.05

1075.37

1073.70

1072.00

1072.20

1070.50

MULTI USE PATH
SEE TYPICAL SECTIONS

4" TOPSOIL, SEED,
FERTILIZER, AND ERSION
MAT URBAN CLASS I TYPE A

GRAVEL DRIVEWAY
6" BASE AGGREGATE DENSE 1 1/4"

RIPRAP MEDIUM W/
GEOTEXTILE TYPE HR

CONCRETE SEDIMENT TRAP
SEE DETAILS

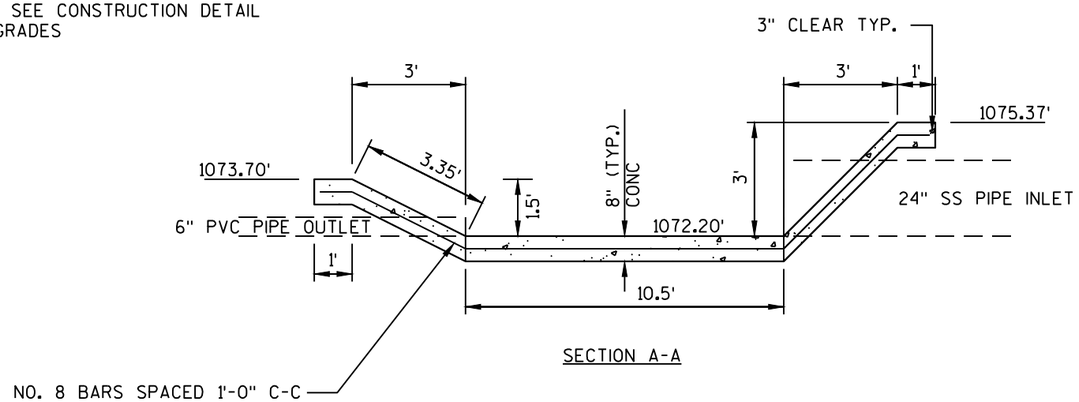
RIPRAP MEDIUM W/
GEOTEXTILE TYPE HR

SECTION A-A

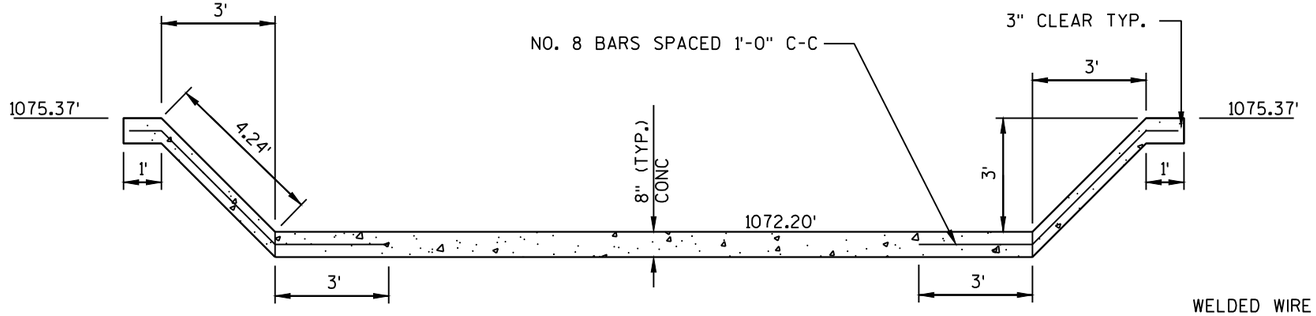
ASPIRUS (ST MICHAELS HOSPITAL) BUILDING

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	CONSTRUCTION DETAIL: STORMWATER MANAGEMENT AREA	SHEET 10	E

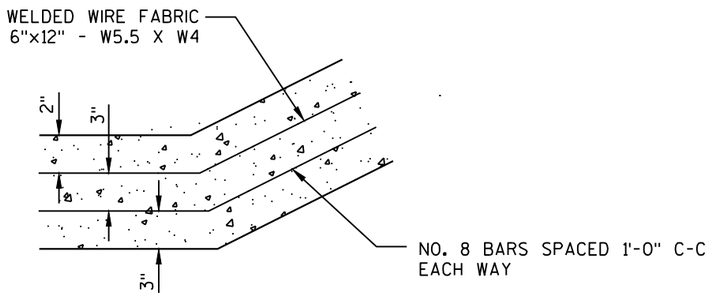
NOTE: SEE CONSTRUCTION DETAIL
FOR GRADES



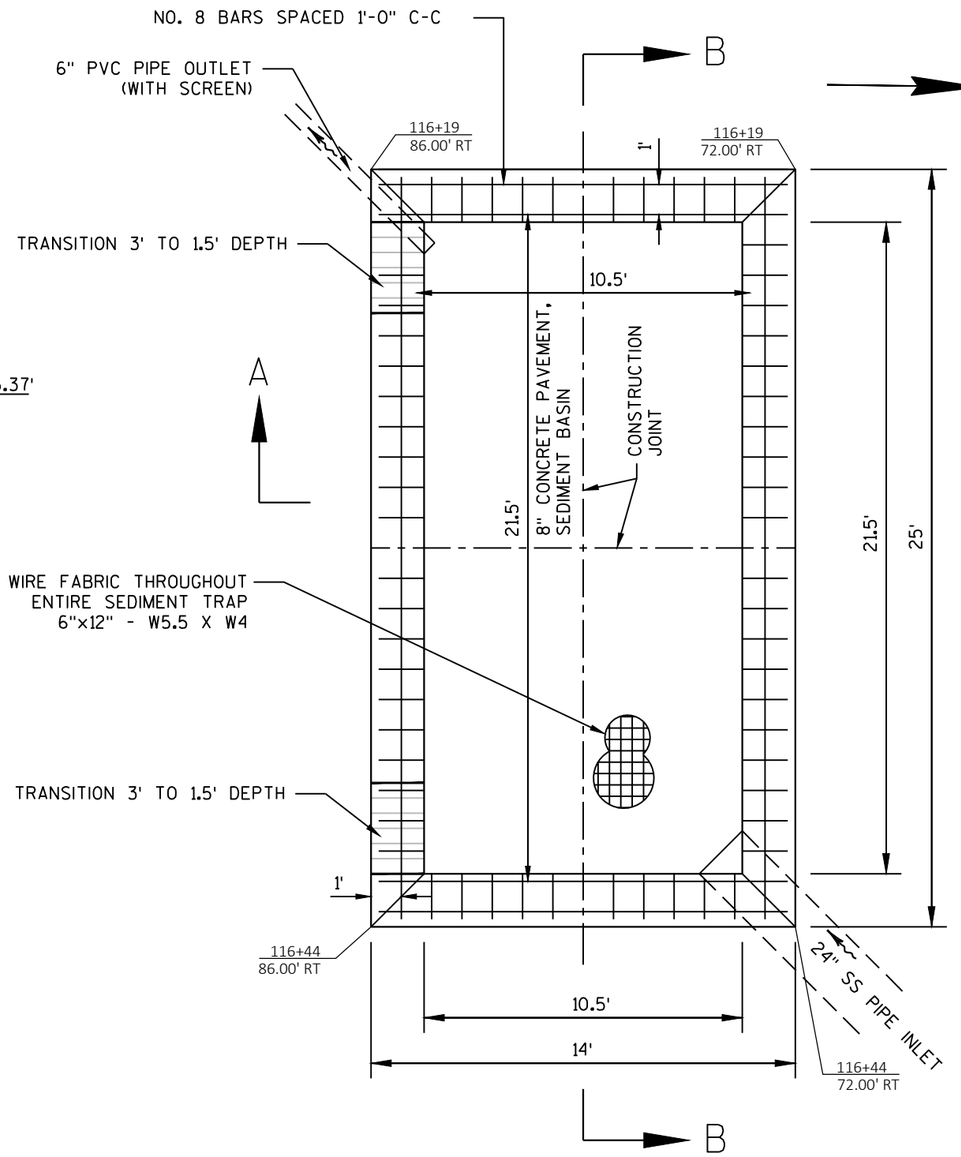
SECTION A-A



SECTION B-B



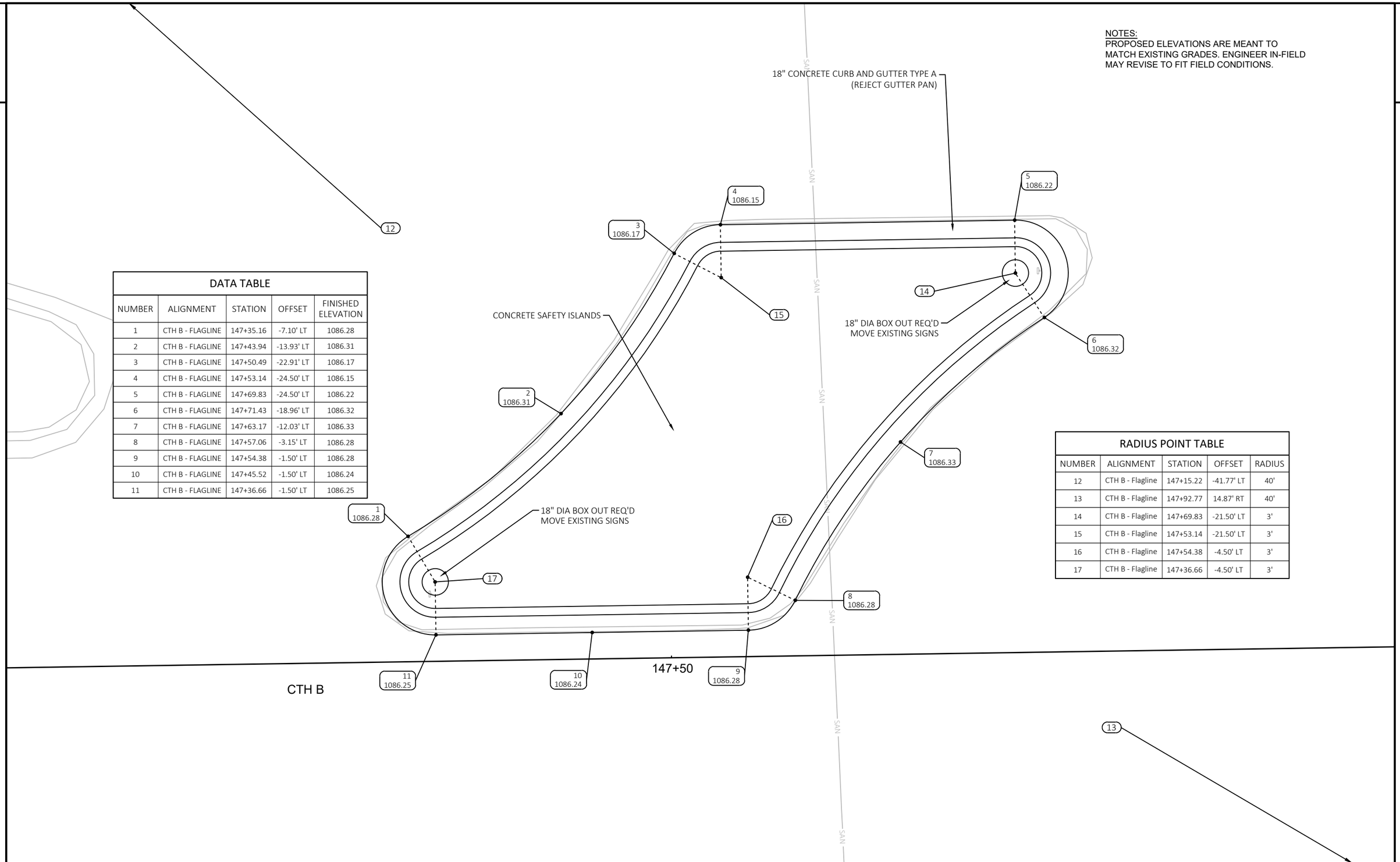
PARTIAL VIEW SHOWING WELDED WIRE FABRIC
PLACEMENT IN RELATION TO NO. 8 BARS



CONCRETE SEDIMENT TRAP DETAIL

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	CONSTRUCTION DETAILS: CONCRETE SEDIMENT TRAP	SHEET 11	E

NOTES:
PROPOSED ELEVATIONS ARE MEANT TO MATCH EXISTING GRADES. ENGINEER IN-FIELD MAY REVISE TO FIT FIELD CONDITIONS.



DATA TABLE				
NUMBER	ALIGNMENT	STATION	OFFSET	FINISHED ELEVATION
1	CTH B - FLAGLINE	147+35.16	-7.10' LT	1086.28
2	CTH B - FLAGLINE	147+43.94	-13.93' LT	1086.31
3	CTH B - FLAGLINE	147+50.49	-22.91' LT	1086.17
4	CTH B - FLAGLINE	147+53.14	-24.50' LT	1086.15
5	CTH B - FLAGLINE	147+69.83	-24.50' LT	1086.22
6	CTH B - FLAGLINE	147+71.43	-18.96' LT	1086.32
7	CTH B - FLAGLINE	147+63.17	-12.03' LT	1086.33
8	CTH B - FLAGLINE	147+57.06	-3.15' LT	1086.28
9	CTH B - FLAGLINE	147+54.38	-1.50' LT	1086.28
10	CTH B - FLAGLINE	147+45.52	-1.50' LT	1086.24
11	CTH B - FLAGLINE	147+36.66	-1.50' LT	1086.25

RADIUS POINT TABLE				
NUMBER	ALIGNMENT	STATION	OFFSET	RADIUS
12	CTH B - Flagline	147+15.22	-41.77' LT	40'
13	CTH B - Flagline	147+92.77	14.87' RT	40'
14	CTH B - Flagline	147+69.83	-21.50' LT	3'
15	CTH B - Flagline	147+53.14	-21.50' LT	3'
16	CTH B - Flagline	147+54.38	-4.50' LT	3'
17	CTH B - Flagline	147+36.66	-4.50' LT	3'

PROJECT NO: 6767-01-71/6767-02-71	HWY: CTH B	COUNTY: PORTAGE	CONSTRUCTION DETAILS: RAISED ISLAND - MENARDS DRIVE / PLAZA ENTRANCE	SHEET 12	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\021001_CD\021004_CD.DWG
LAYOUT NAME - Layout1
PLOT DATE : 12/12/2023 3:27 PM PLOT BY : JARED HALBUR PLOT NAME : PLOT SCALE : 1 IN:5 FT
WISDOT/CADDS SHEET 42

2

NOTES:
REMOVAL & TEMPORARY
ASPHALT REQ'D PRIOR TO STAGE 3

A

A

104+50.00

105+00.00

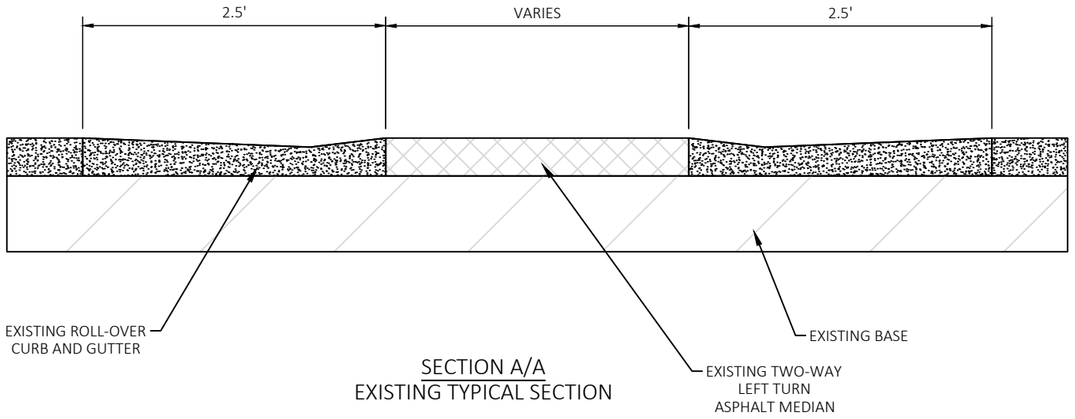
105+50.00

106+00.00

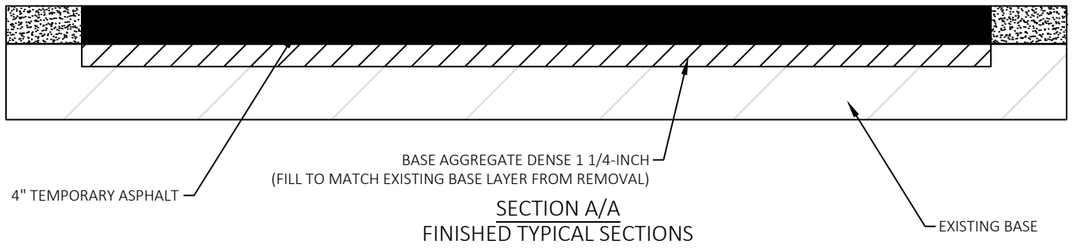
106+50.00

107+00.00

107+50



SECTION A/A
EXISTING TYPICAL SECTION



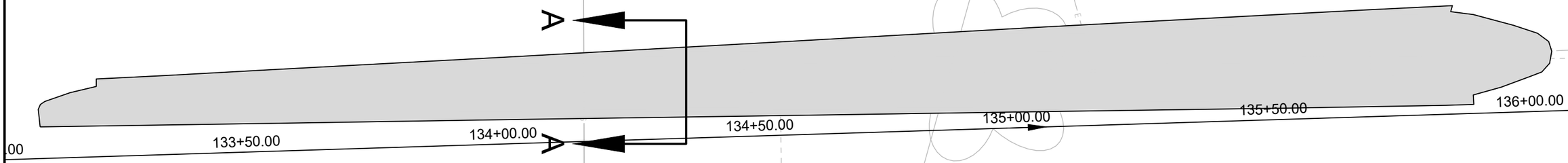
SECTION A/A
FINISHED TYPICAL SECTIONS

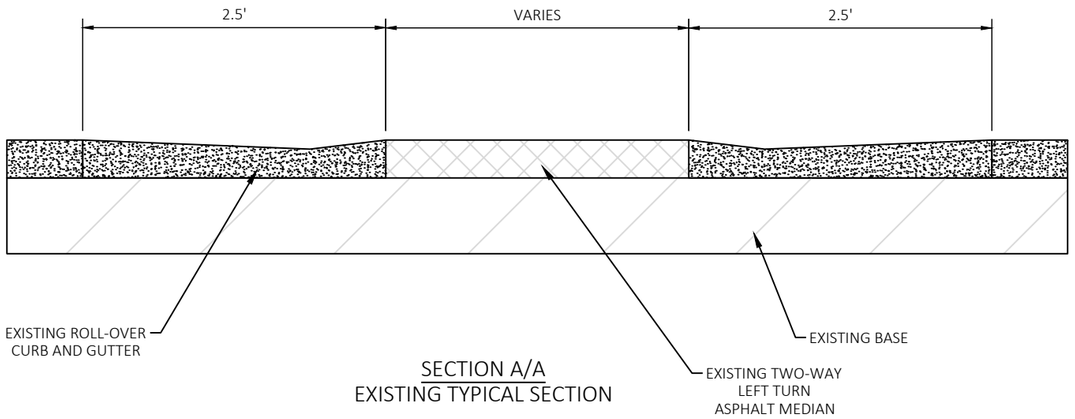
PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	CONSTRUCTION DETAIL: RAISED MEDIAN REMOVAL	SHEET 13	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\021001_CD\021005_CD.DWG
LAYOUT NAME - 01
PLOT DATE : 10/27/2023 2:36 PM
PLOT BY : DEXTER KAETTERHENRY
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

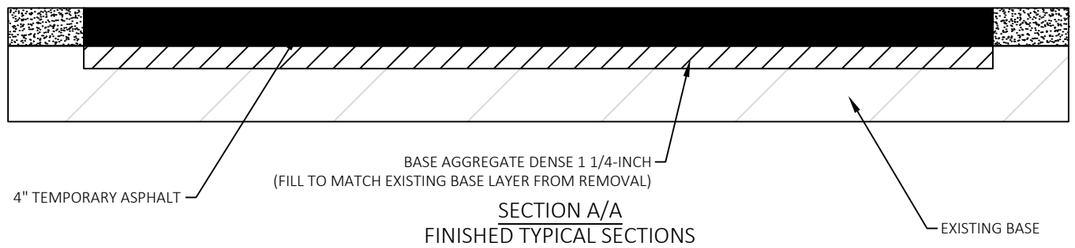
2

NOTES:
REMOVAL & TEMPORARY
ASPHALT REQ'D PRIOR TO STAGE 3





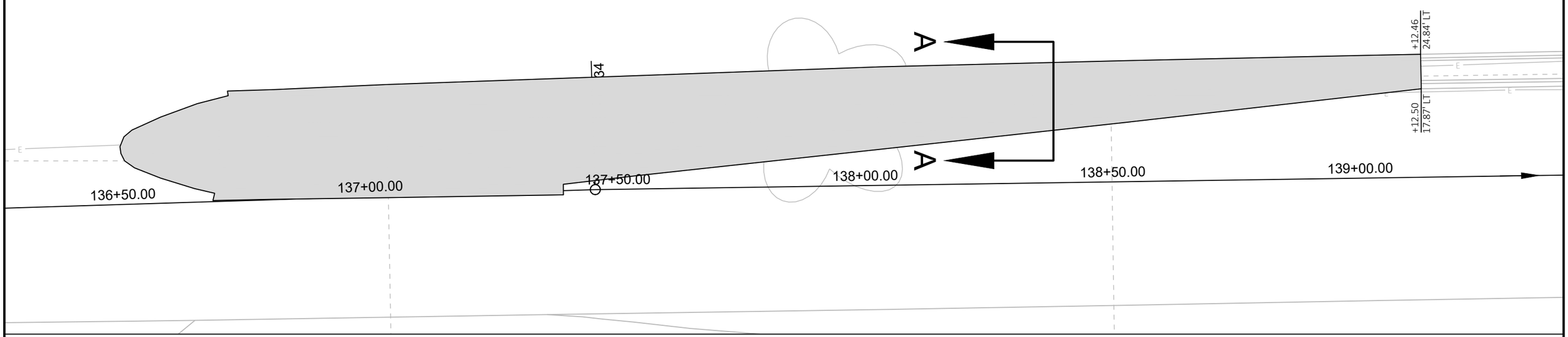
SECTION A/A
EXISTING TYPICAL SECTION

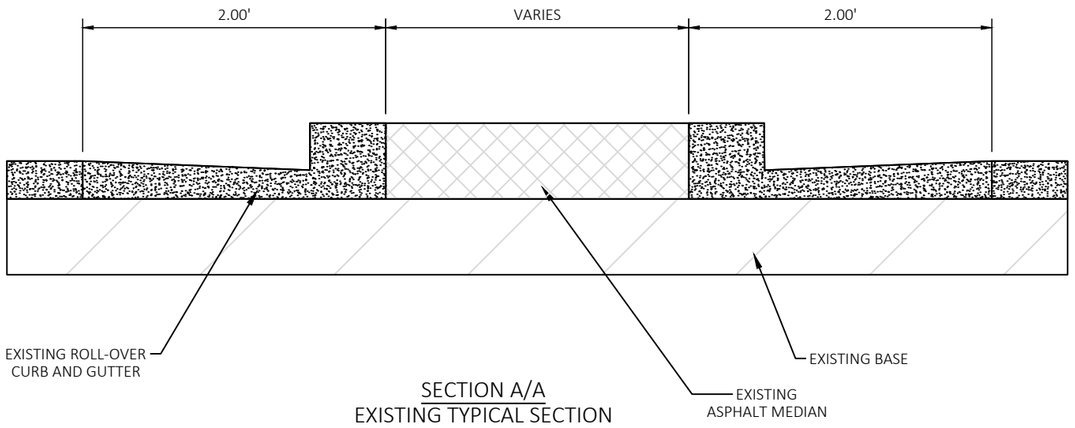


SECTION A/A
FINISHED TYPICAL SECTIONS

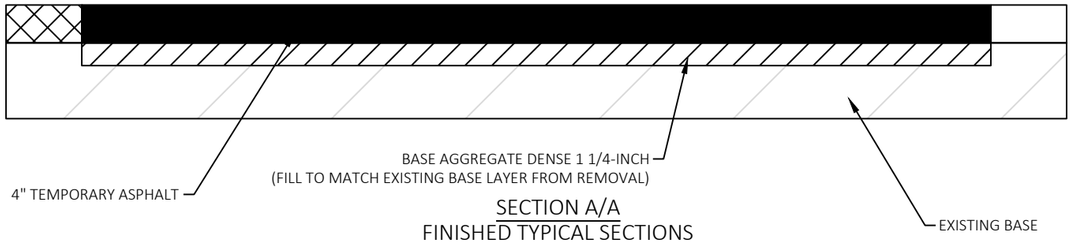
PROJECT NO: 6767-01-71/ 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	CONSTRUCTION DETAIL: RAISED MEDIAN REMOVAL	SHEET 14	E

NOTES:
REMOVAL & TEMPORARY
ASPHALT REQ'D PRIOR TO STAGE 3





SECTION A/A
EXISTING TYPICAL SECTION



SECTION A/A
FINISHED TYPICAL SECTIONS

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	CONSTRUCTION DETAIL: RAISED MEDIAN REMOVAL	SHEET 15	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\021001_CD\021005_CD.DWG
LAYOUT NAME - 03
PLOT DATE : 10/27/2023 2:36 PM PLOT BY : DEXTER KAETTERHENRY PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

2

REMOVE EXISTING ASPHALT AND BASE MATERIAL.. PLACE FILL MATERIAL AND 6" OF TOPSOIL, SEED, FERTILIZER, AND EROSION MAT TO MATCH PROPOSED GRADES AS SHOWN.

NOTES:

SEE CURB RAMP DETAILS, PLAN DETAILS, AND CROSS SECTION SHEETS FOR ADDITIONAL INFORMATION.

ENGINEER IN-FIELD MAY REVISE REMOVAL AND RESTORATION LIMITS OF CIRCLE COURT TO ACCOMMODATE PROPERTY OWNERS.

KEYNOTES:

(A) CTH B GRADING / SLOPE INTERCEPT LOCATION PER CROSS SECTIONS

SHULFERS
SHULF PROPERTIES
LLC
2430 CIRCLE CT

PLOVER FUNERAL
HOME
SHULF PROPERTIES
LLC
2400 PLOVER RD

MECCA DRIVE

CIRCLE COURT

CTH B

EXISTING R/W, TYP

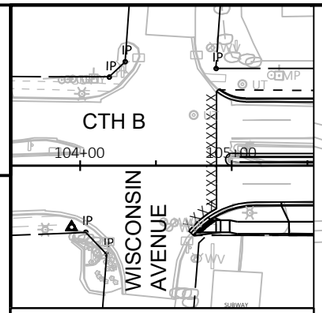
PROPOSED R/W, TYP

1078.06
1078.19 EX
1078.33 EX
1078.18 EX
1078.30 EX
1078.25 EX
1078.34 EX
1079.00
1077.78
1078.11
1078.25
1078.10
1078.27
1078.19
1078.32 (A)
1078.04
1077.25
1078.25 (A)
1078.12 (A)
1077.46
1077.35

118 119 120 121 122 123

PROJECT NO: 6767-01-71/6767-02-71	HWY: CTH B	COUNTY: PORTAGE	CONSTRUCTION DETAILS: NW QUADRANT OF MECCA DRIVE	SHEET 16	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\021001_CD\021006_CD.DWG
LAYOUT NAME - Layout1
PLOT DATE : 10/31/2023 1:02 PM PLOT BY : JARED HALBUR PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42



LEGEND

- (ASP) 3" ASPHALTIC SURFACE
- (SW4) CONCRETE SIDEWALK 4-INCH
- (SW6) CONCRETE SIDEWALK 6-INCH
- (TOP) TOPSOIL, SEED, FERTILIZER, AND EMAT
- (2) CONCRETE CURB RAMP TYPE 2
- (4B1) CONCRETE CURB RAMP TYPE 4B1
- (5) CONCRETE CURB RAMP TYPE 5
- [X] CURB RAMP NUMBER

NOTES:

REFER TO DETAILS "CURB RAMPS" FOR JOINT LOCATIONS AND ADDITIONAL DETAILS.

SEE PLAN DETAILS FOR CURB RADII.

CURB RAMP TAPERS TO BE GRASS.

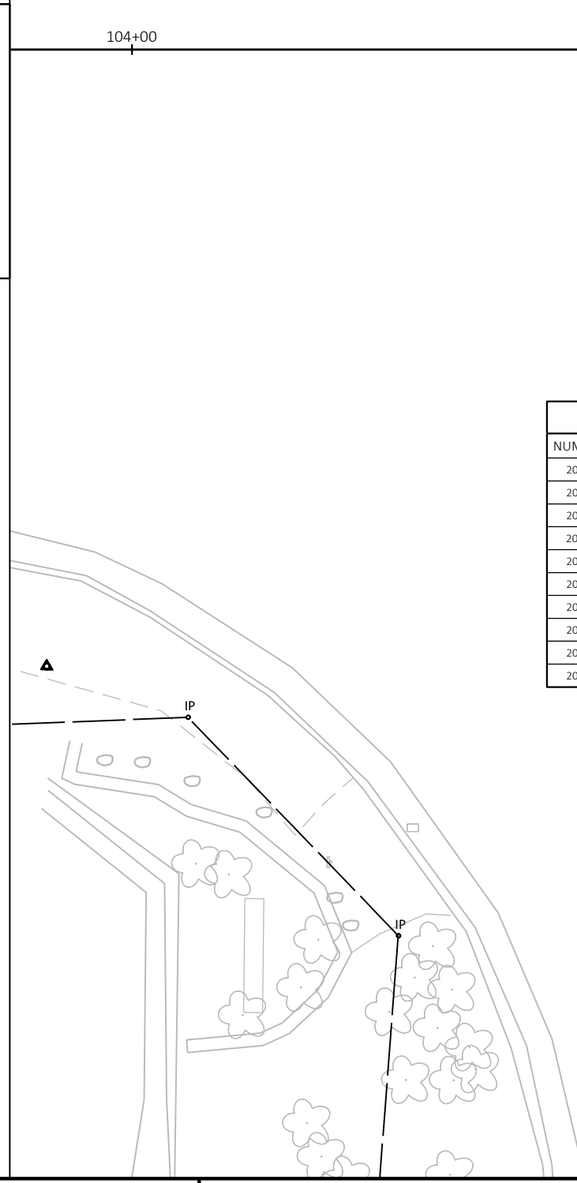
104+00

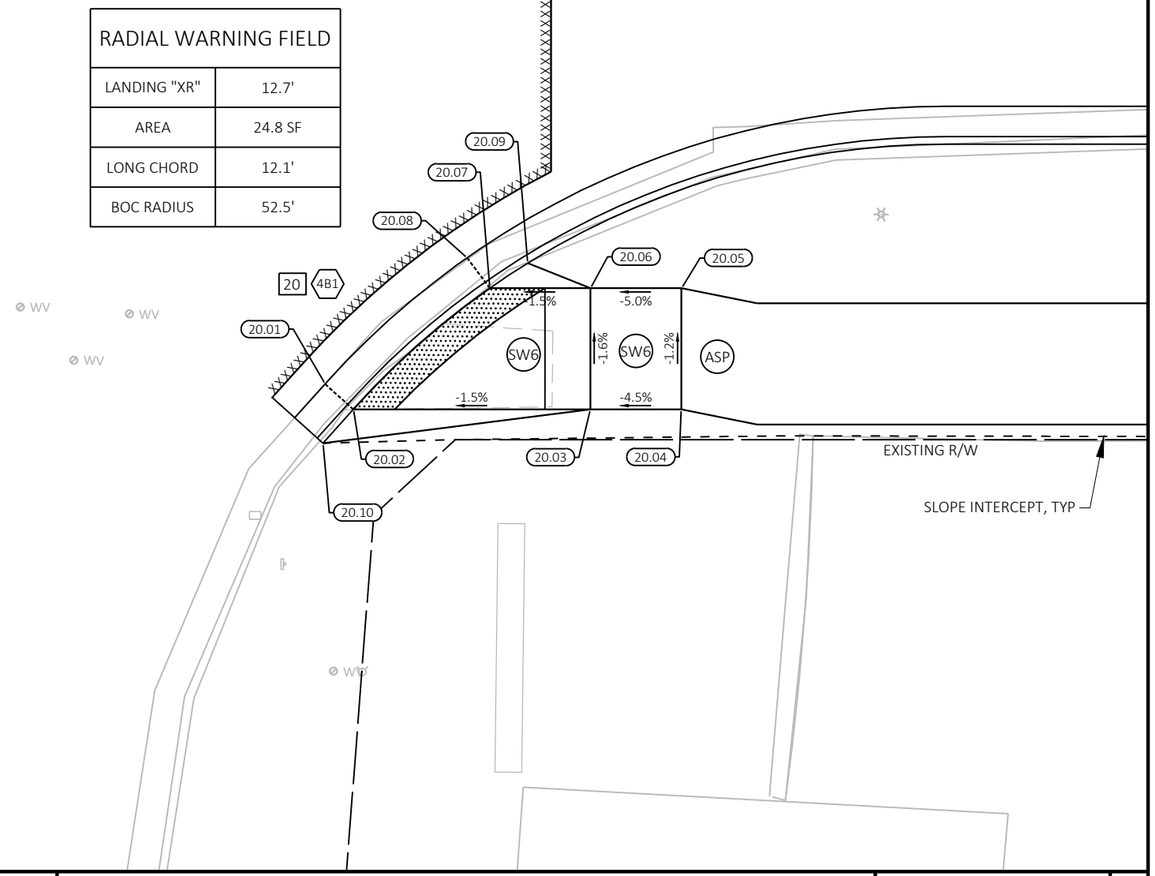
CTH B

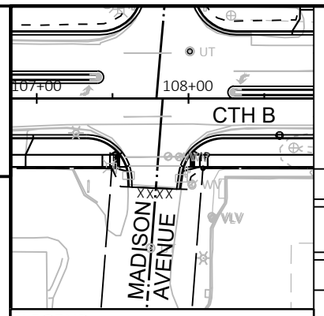
CURB RAMP 20 DATA TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	ELEVATION
20.01	CTH B - FLAGLINE	104+75.12	42.33	1075.35
20.02	CTH B - FLAGLINE	104+76.98	44.00	1075.29
20.03	CTH B - FLAGLINE	104+92.63	44.00	1075.52
20.04	CTH B - FLAGLINE	104+98.63	44.00	1075.79
20.05	CTH B - FLAGLINE	104+98.63	36.00	1075.70
20.06	CTH B - FLAGLINE	104+92.63	36.00	1075.40
20.07	CTH B - FLAGLINE	104+85.99	36.00	1075.30
20.08	CTH B - FLAGLINE	104+84.49	34.00	1075.36
20.09	CTH B - FLAGLINE	104+88.49	34.35	1075.80
20.10	CTH B - FLAGLINE	104+74.97	46.23	1075.79

RADIAL WARNING FIELD	
LANDING "XR"	12.7'
AREA	24.8 SF
LONG CHORD	12.1'
BOC RADIUS	52.5'







LEGEND

- ASP — 3" ASPHALTIC SURFACE
- SW4 — CONCRETE SIDEWALK 4-INCH
- SW6 — CONCRETE SIDEWALK 6-INCH
- TOP — TOPSOIL, SEED, FERTILIZER, AND EMAT
- 2 — CONCRETE CURB RAMP TYPE 2
- 4B1 — CONCRETE CURB RAMP TYPE 4B1
- 5 — CONCRETE CURB RAMP TYPE 5
- X — CURB RAMP NUMBER

NOTES:

REFER TO DETAILS "CURB RAMPS" FOR JOINT LOCATIONS AND ADDITIONAL DETAILS.

SEE PLAN DETAILS FOR CURB RADII.

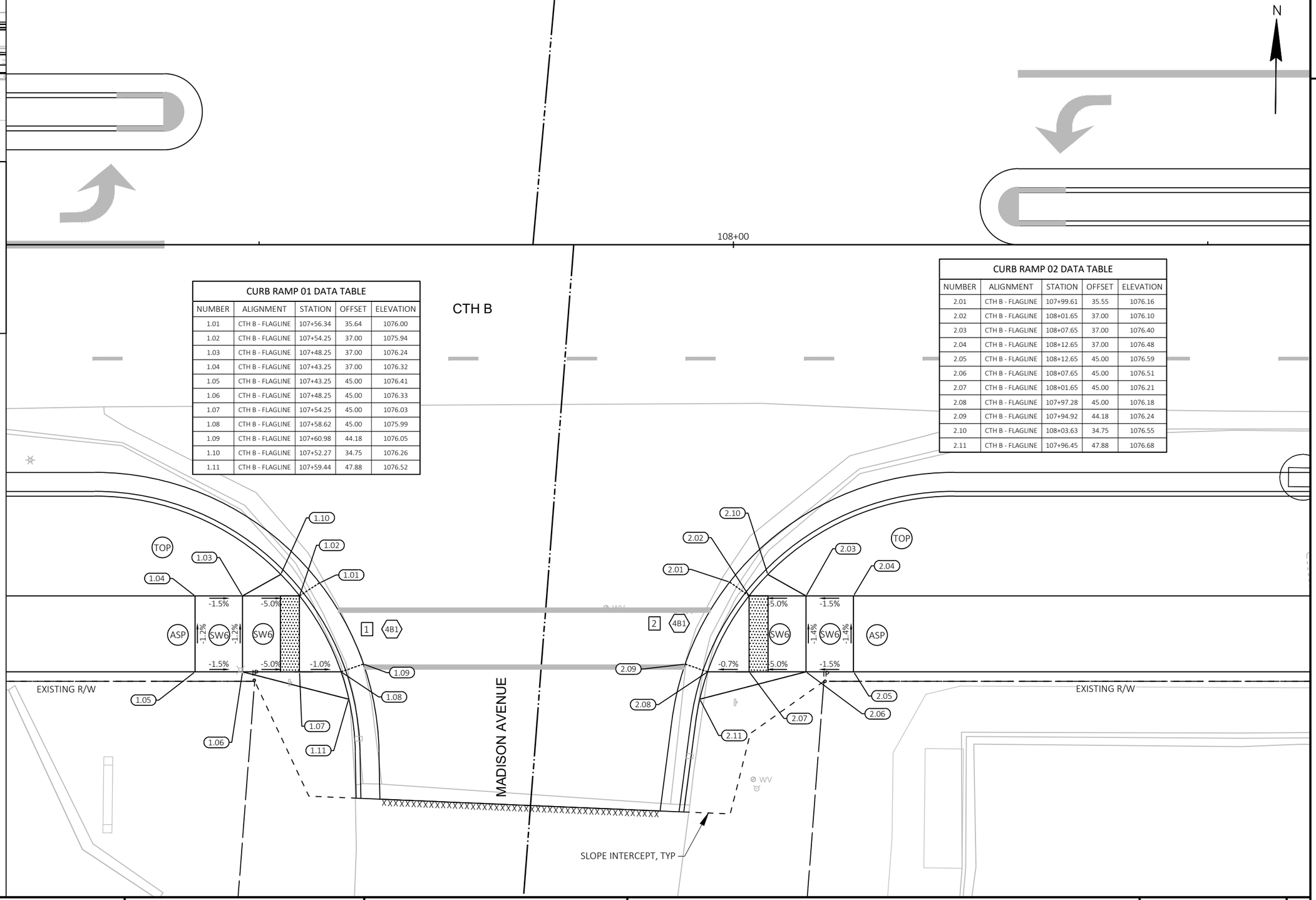
CURB RAMP TAPERS TO BE GRASS.

CURB RAMP 01 DATA TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	ELEVATION
1.01	CTH B - FLAGLINE	107+56.34	35.64	1076.00
1.02	CTH B - FLAGLINE	107+54.25	37.00	1075.94
1.03	CTH B - FLAGLINE	107+48.25	37.00	1076.24
1.04	CTH B - FLAGLINE	107+43.25	37.00	1076.32
1.05	CTH B - FLAGLINE	107+43.25	45.00	1076.41
1.06	CTH B - FLAGLINE	107+48.25	45.00	1076.33
1.07	CTH B - FLAGLINE	107+54.25	45.00	1076.03
1.08	CTH B - FLAGLINE	107+58.62	45.00	1075.99
1.09	CTH B - FLAGLINE	107+60.98	44.18	1076.05
1.10	CTH B - FLAGLINE	107+52.27	34.75	1076.26
1.11	CTH B - FLAGLINE	107+59.44	47.88	1076.52

CURB RAMP 02 DATA TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	ELEVATION
2.01	CTH B - FLAGLINE	107+99.61	35.55	1076.16
2.02	CTH B - FLAGLINE	108+01.65	37.00	1076.10
2.03	CTH B - FLAGLINE	108+07.65	37.00	1076.40
2.04	CTH B - FLAGLINE	108+12.65	37.00	1076.48
2.05	CTH B - FLAGLINE	108+12.65	45.00	1076.59
2.06	CTH B - FLAGLINE	108+07.65	45.00	1076.51
2.07	CTH B - FLAGLINE	108+01.65	45.00	1076.21
2.08	CTH B - FLAGLINE	107+97.28	45.00	1076.18
2.09	CTH B - FLAGLINE	107+94.92	44.18	1076.24
2.10	CTH B - FLAGLINE	108+03.63	34.75	1076.55
2.11	CTH B - FLAGLINE	107+96.45	47.88	1076.68

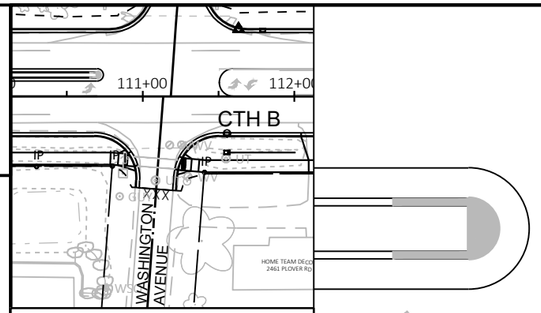


PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	CURB RAMP DETAILS	SHEET 18	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\021001_CD\021002_CD.DWG
LAYOUT NAME - 01

PLOT DATE : 12/12/2023 9:15 AM PLOT BY : JARED HALBUR PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 44



LEGEND

- (ASP) 3" ASPHALTIC SURFACE
- (SW4) CONCRETE SIDEWALK 4-INCH
- (SW6) CONCRETE SIDEWALK 6-INCH
- (TOP) TOPSOIL, SEED, FERTILIZER, AND EMAT
- (2) CONCRETE CURB RAMP TYPE 2
- (4B1) CONCRETE CURB RAMP TYPE 4B1
- (5) CONCRETE CURB RAMP TYPE 5
- [X] CURB RAMP NUMBER

NOTES:

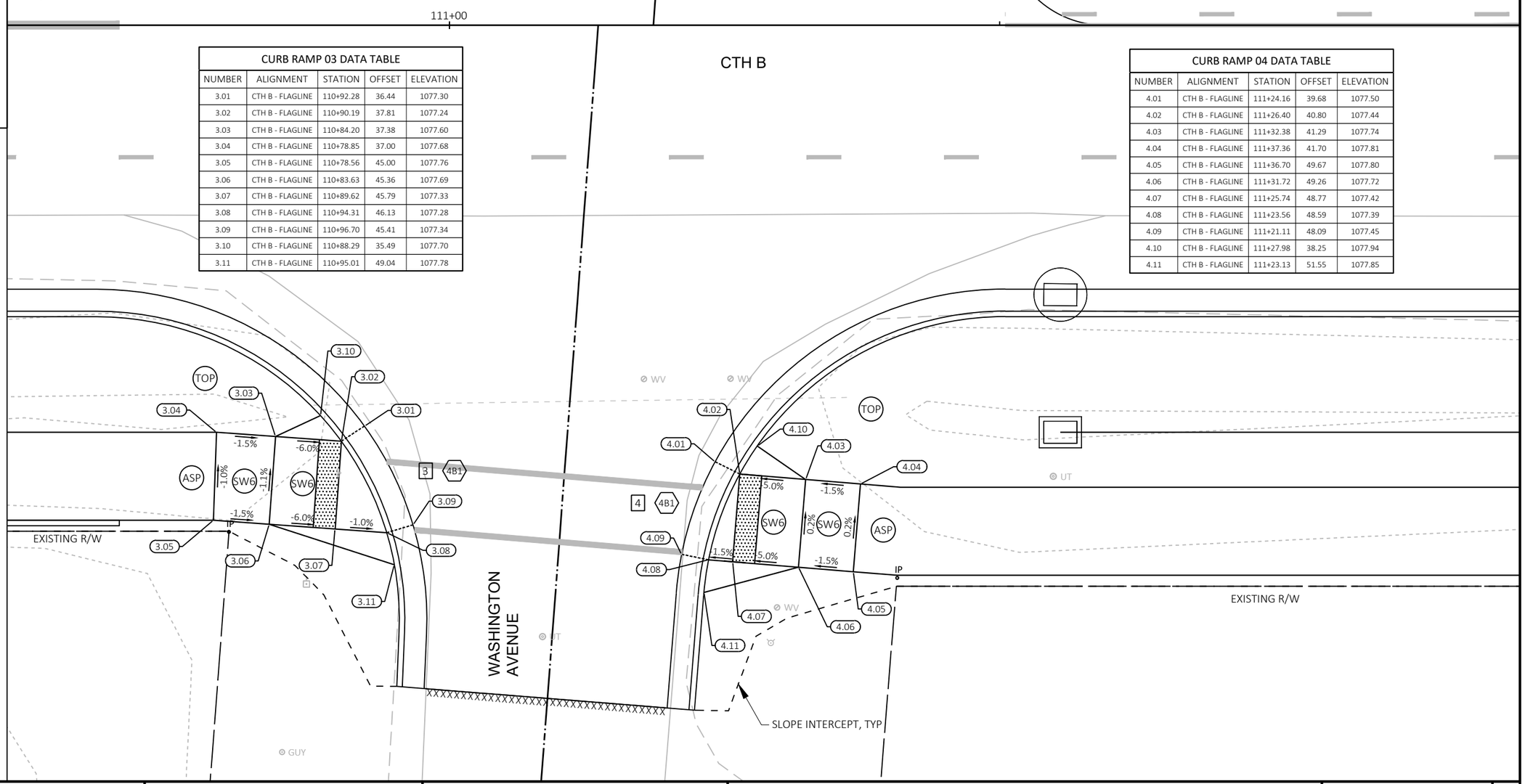
REFER TO DETAILS "CURB RAMPS" FOR JOINT LOCATIONS AND ADDITIONAL DETAILS.

SEE PLAN DETAILS FOR CURB RADII.

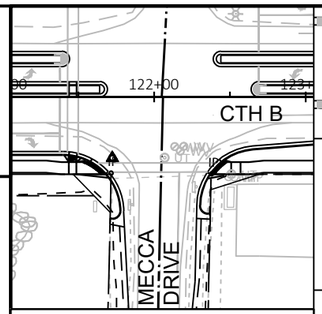
CURB RAMP TAPERS TO BE GRASS.

CURB RAMP 03 DATA TABLE				
NUMBER	ALIGNMENT	STATION	OFFSET	ELEVATION
3.01	CTH B - FLAGLINE	110+92.28	36.44	1077.30
3.02	CTH B - FLAGLINE	110+90.19	37.81	1077.24
3.03	CTH B - FLAGLINE	110+84.20	37.38	1077.60
3.04	CTH B - FLAGLINE	110+78.85	37.00	1077.68
3.05	CTH B - FLAGLINE	110+78.56	45.00	1077.76
3.06	CTH B - FLAGLINE	110+83.63	45.36	1077.69
3.07	CTH B - FLAGLINE	110+89.62	45.79	1077.33
3.08	CTH B - FLAGLINE	110+94.31	46.13	1077.28
3.09	CTH B - FLAGLINE	110+96.70	45.41	1077.34
3.10	CTH B - FLAGLINE	110+88.29	35.49	1077.70
3.11	CTH B - FLAGLINE	110+95.01	49.04	1077.78

CURB RAMP 04 DATA TABLE				
NUMBER	ALIGNMENT	STATION	OFFSET	ELEVATION
4.01	CTH B - FLAGLINE	111+24.16	39.68	1077.50
4.02	CTH B - FLAGLINE	111+26.40	40.80	1077.44
4.03	CTH B - FLAGLINE	111+32.38	41.29	1077.74
4.04	CTH B - FLAGLINE	111+37.36	41.70	1077.81
4.05	CTH B - FLAGLINE	111+36.70	49.67	1077.80
4.06	CTH B - FLAGLINE	111+31.72	49.26	1077.72
4.07	CTH B - FLAGLINE	111+25.74	48.77	1077.42
4.08	CTH B - FLAGLINE	111+23.56	48.59	1077.39
4.09	CTH B - FLAGLINE	111+21.11	48.09	1077.45
4.10	CTH B - FLAGLINE	111+27.98	38.25	1077.94
4.11	CTH B - FLAGLINE	111+23.13	51.55	1077.85



PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	CURB RAMP DETAILS	SHEET 19	E



LEGEND

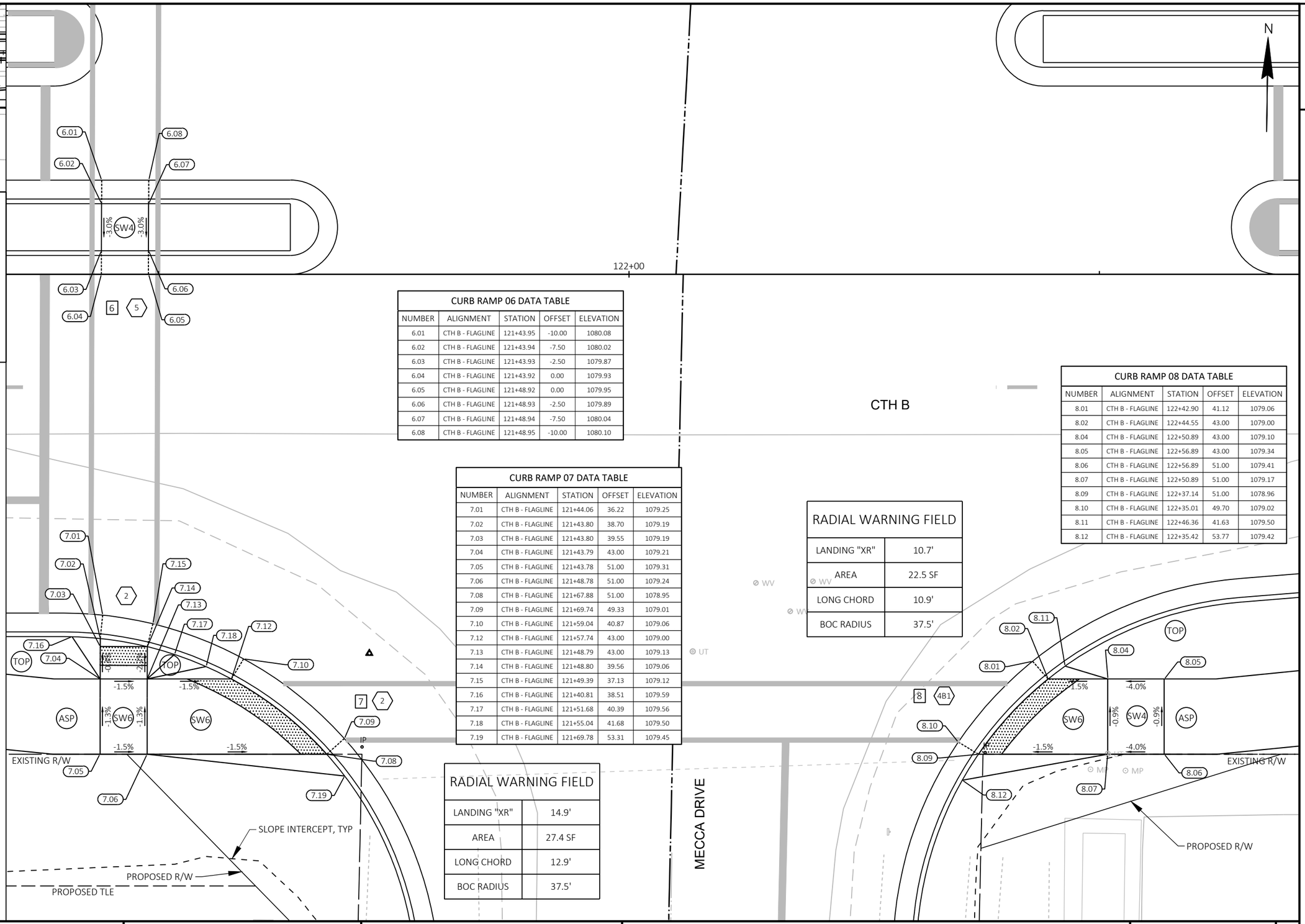
- ASP — 3" ASPHALTIC SURFACE
- SW4 — CONCRETE SIDEWALK 4-INCH
- SW6 — CONCRETE SIDEWALK 6-INCH
- TOP — TOPSOIL, SEED, FERTILIZER, AND EMAT
- 2 — CONCRETE CURB RAMP TYPE 2
- 4B1 — CONCRETE CURB RAMP TYPE 4B1
- 5 — CONCRETE CURB RAMP TYPE 5
- X — CURB RAMP NUMBER

NOTES:

REFER TO DETAILS "CURB RAMPS" FOR JOINT LOCATIONS AND ADDITIONAL DETAILS.

SEE PLAN DETAILS FOR CURB RADII.

CURB RAMP TAPERS TO BE GRASS.



CURB RAMP 06 DATA TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	ELEVATION
6.01	CTH B - FLAGLINE	121+43.95	-10.00	1080.08
6.02	CTH B - FLAGLINE	121+43.94	-7.50	1080.02
6.03	CTH B - FLAGLINE	121+43.93	-2.50	1079.87
6.04	CTH B - FLAGLINE	121+43.92	0.00	1079.93
6.05	CTH B - FLAGLINE	121+48.92	0.00	1079.95
6.06	CTH B - FLAGLINE	121+48.93	-2.50	1079.89
6.07	CTH B - FLAGLINE	121+48.94	-7.50	1080.04
6.08	CTH B - FLAGLINE	121+48.95	-10.00	1080.10

CURB RAMP 07 DATA TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	ELEVATION
7.01	CTH B - FLAGLINE	121+44.06	36.22	1079.25
7.02	CTH B - FLAGLINE	121+43.80	38.70	1079.19
7.03	CTH B - FLAGLINE	121+43.80	39.55	1079.19
7.04	CTH B - FLAGLINE	121+43.79	43.00	1079.21
7.05	CTH B - FLAGLINE	121+43.78	51.00	1079.31
7.06	CTH B - FLAGLINE	121+48.78	51.00	1079.24
7.08	CTH B - FLAGLINE	121+67.88	51.00	1078.95
7.09	CTH B - FLAGLINE	121+69.74	49.33	1079.01
7.10	CTH B - FLAGLINE	121+59.04	40.87	1079.06
7.12	CTH B - FLAGLINE	121+57.74	43.00	1079.00
7.13	CTH B - FLAGLINE	121+48.79	43.00	1079.13
7.14	CTH B - FLAGLINE	121+48.80	39.56	1079.06
7.15	CTH B - FLAGLINE	121+49.39	37.13	1079.12
7.16	CTH B - FLAGLINE	121+40.81	38.51	1079.59
7.17	CTH B - FLAGLINE	121+51.68	40.39	1079.56
7.18	CTH B - FLAGLINE	121+55.04	41.68	1079.50
7.19	CTH B - FLAGLINE	121+69.78	53.31	1079.45

RADIAL WARNING FIELD

LANDING "XR"	14.9'
AREA	27.4 SF
LONG CHORD	12.9'
BOC RADIUS	37.5'

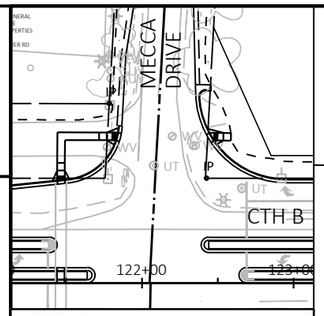
RADIAL WARNING FIELD

LANDING "XR"	10.7'
AREA	22.5 SF
LONG CHORD	10.9'
BOC RADIUS	37.5'

CURB RAMP 08 DATA TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	ELEVATION
8.01	CTH B - FLAGLINE	122+42.90	41.12	1079.06
8.02	CTH B - FLAGLINE	122+44.55	43.00	1079.00
8.04	CTH B - FLAGLINE	122+50.89	43.00	1079.10
8.05	CTH B - FLAGLINE	122+56.89	43.00	1079.34
8.06	CTH B - FLAGLINE	122+56.89	51.00	1079.41
8.07	CTH B - FLAGLINE	122+50.89	51.00	1079.17
8.09	CTH B - FLAGLINE	122+37.14	51.00	1078.96
8.10	CTH B - FLAGLINE	122+35.01	49.70	1079.02
8.11	CTH B - FLAGLINE	122+46.36	41.63	1079.50
8.12	CTH B - FLAGLINE	122+35.42	53.77	1079.42

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	CURB RAMP DETAILS	SHEET 20	E



LEGEND

- ASP — 3" ASPHALTIC SURFACE
- SW4 — CONCRETE SIDEWALK 4-INCH
- SW6 — CONCRETE SIDEWALK 6-INCH
- TOP — TOPSOIL, SEED, FERTILIZER, AND EMAT
- 2 — CONCRETE CURB RAMP TYPE 2
- 4B1 — CONCRETE CURB RAMP TYPE 4B1
- 5 — CONCRETE CURB RAMP TYPE 5
- X — CURB RAMP NUMBER

NOTES:

REFER TO DETAILS "CURB RAMPS" FOR JOINT LOCATIONS AND ADDITIONAL DETAILS.

SEE PLAN DETAILS FOR CURB RADII.

CURB RAMP TAPERS TO BE GRASS.

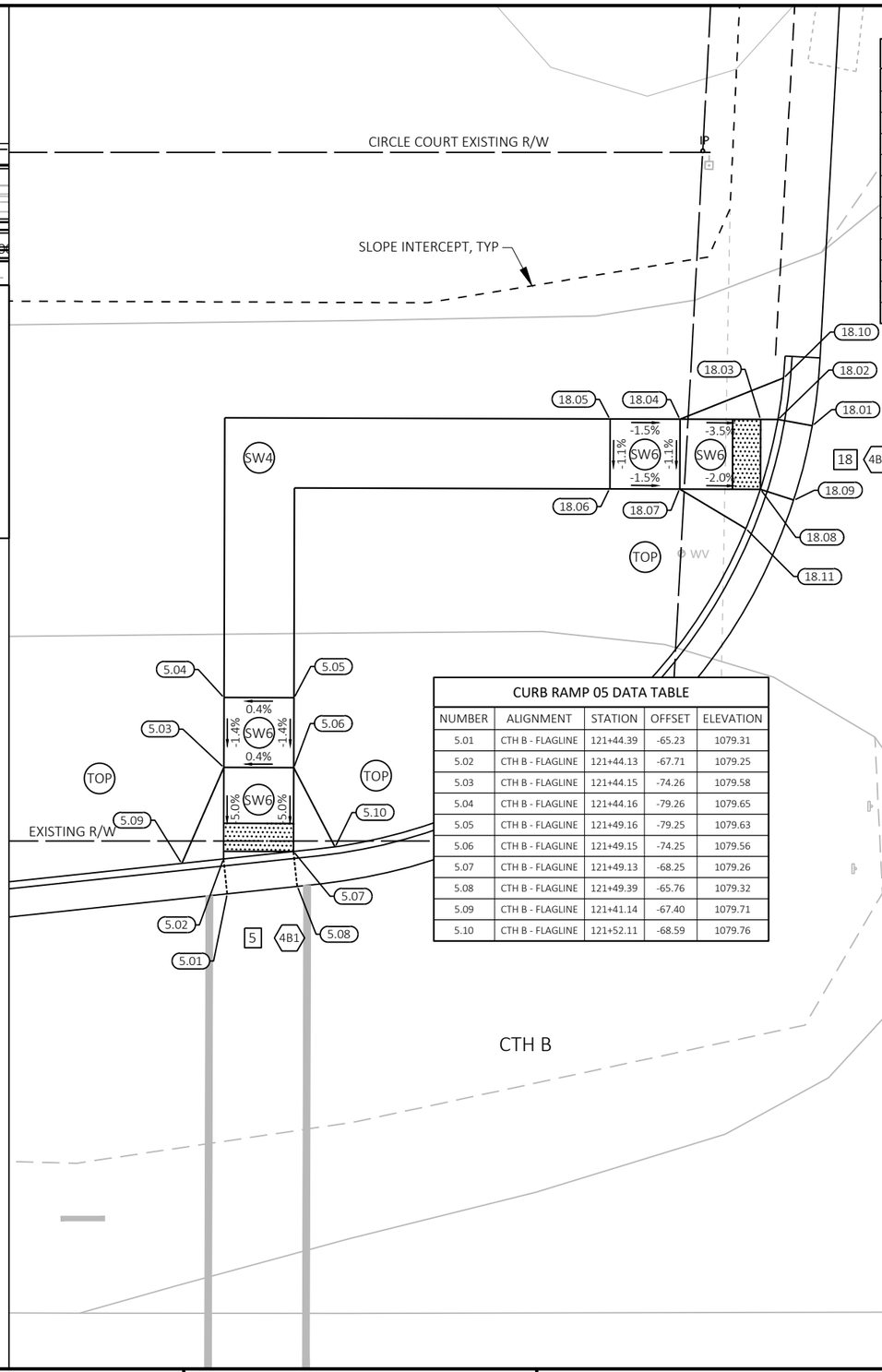
CIRCLE COURT EXISTING R/W

SLOPE INTERCEPT, TYP

EXISTING R/W

CTH B

MECCA DRIVE

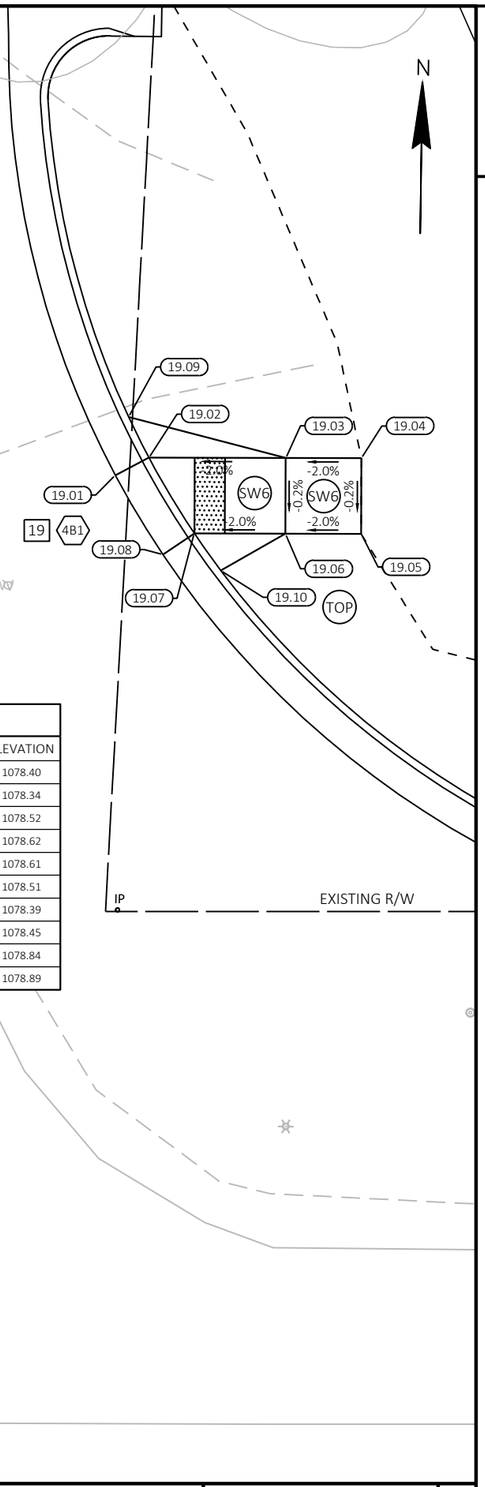


CURB RAMP 18 DATA TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	ELEVATION
18.01	CTH B - FLAGLINE	121+86.25	-98.70	1078.40
18.02	CTH B - FLAGLINE	121+83.78	-99.14	1078.34
18.03	CTH B - FLAGLINE	121+82.55	-99.14	1078.36
18.04	CTH B - FLAGLINE	121+76.78	-99.16	1078.56
18.05	CTH B - FLAGLINE	121+71.78	-99.18	1078.64
18.06	CTH B - FLAGLINE	121+71.77	-94.18	1078.58
18.07	CTH B - FLAGLINE	121+76.77	-94.16	1078.51
18.08	CTH B - FLAGLINE	121+82.53	-94.14	1078.39
18.09	CTH B - FLAGLINE	121+84.91	-93.37	1078.45
18.10	CTH B - FLAGLINE	121+84.19	-102.11	1078.80
18.11	CTH B - FLAGLINE	121+81.50	-91.33	1078.89

CURB RAMP 05 DATA TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	ELEVATION
5.01	CTH B - FLAGLINE	121+44.39	-65.23	1079.31
5.02	CTH B - FLAGLINE	121+44.13	-67.71	1079.25
5.03	CTH B - FLAGLINE	121+44.15	-74.26	1079.58
5.04	CTH B - FLAGLINE	121+44.16	-79.26	1079.65
5.05	CTH B - FLAGLINE	121+49.16	-79.25	1079.63
5.06	CTH B - FLAGLINE	121+49.15	-74.25	1079.56
5.07	CTH B - FLAGLINE	121+49.13	-68.25	1079.26
5.08	CTH B - FLAGLINE	121+49.39	-65.76	1079.32
5.09	CTH B - FLAGLINE	121+41.14	-67.40	1079.71
5.10	CTH B - FLAGLINE	121+52.11	-68.59	1079.76

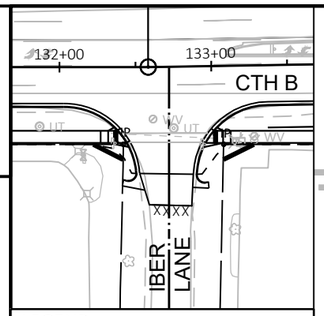


CURB RAMP 19 DATA TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	ELEVATION
19.01	CTH B - FLAGLINE	122+42.47	-97.78	1078.40
19.02	CTH B - FLAGLINE	122+44.67	-98.95	1078.34
19.03	CTH B - FLAGLINE	122+53.70	-98.92	1078.52
19.04	CTH B - FLAGLINE	122+58.70	-98.91	1078.62
19.05	CTH B - FLAGLINE	122+58.68	-93.91	1078.61
19.06	CTH B - FLAGLINE	122+53.68	-93.92	1078.51
19.07	CTH B - FLAGLINE	122+47.68	-93.94	1078.39
19.08	CTH B - FLAGLINE	122+45.61	-92.55	1078.45
19.09	CTH B - FLAGLINE	122+43.33	-101.64	1078.84
19.10	CTH B - FLAGLINE	122+49.42	-91.50	1078.89

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	CURB RAMP DETAILS	SHEET 21	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\021001_CD\021002_CD.DWG
LAYOUT NAME - 04
PLOT DATE : 12/12/2023 9:16 AM PLOT BY : JARED HALBUR PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 44



LEGEND

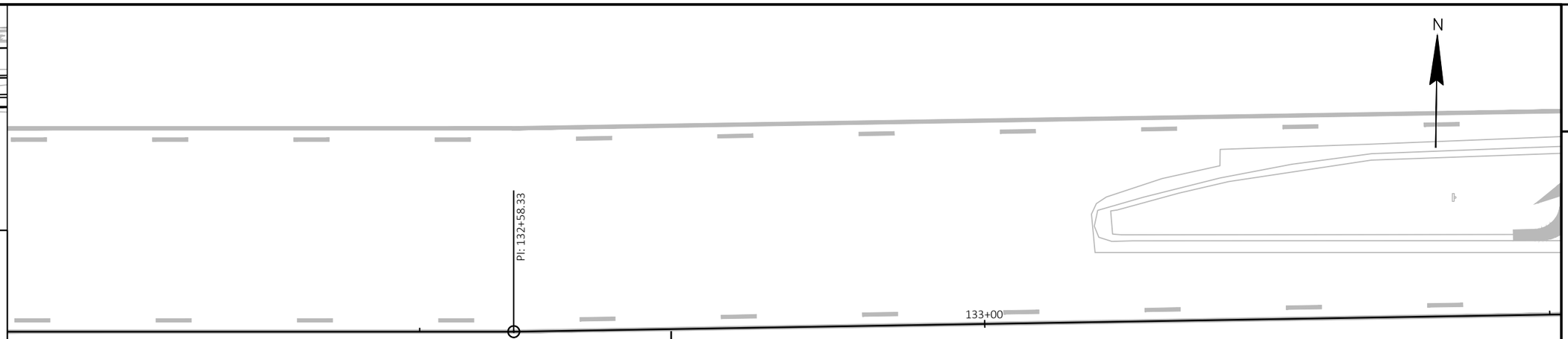
- (ASP) 3" ASPHALTIC SURFACE
- (SW4) CONCRETE SIDEWALK 4-INCH
- (SW6) CONCRETE SIDEWALK 6-INCH
- (TOP) TOPSOIL, SEED, FERTILIZER, AND EMAT
- (2) CONCRETE CURB RAMP TYPE 2
- (4B1) CONCRETE CURB RAMP TYPE 4B1
- (5) CONCRETE CURB RAMP TYPE 5
- [X] CURB RAMP NUMBER

NOTES:

REFER TO DETAILS "CURB RAMPS" FOR JOINT LOCATIONS AND ADDITIONAL DETAILS.

SEE PLAN DETAILS FOR CURB RADII.

CURB RAMP TAPERS TO BE GRASS.

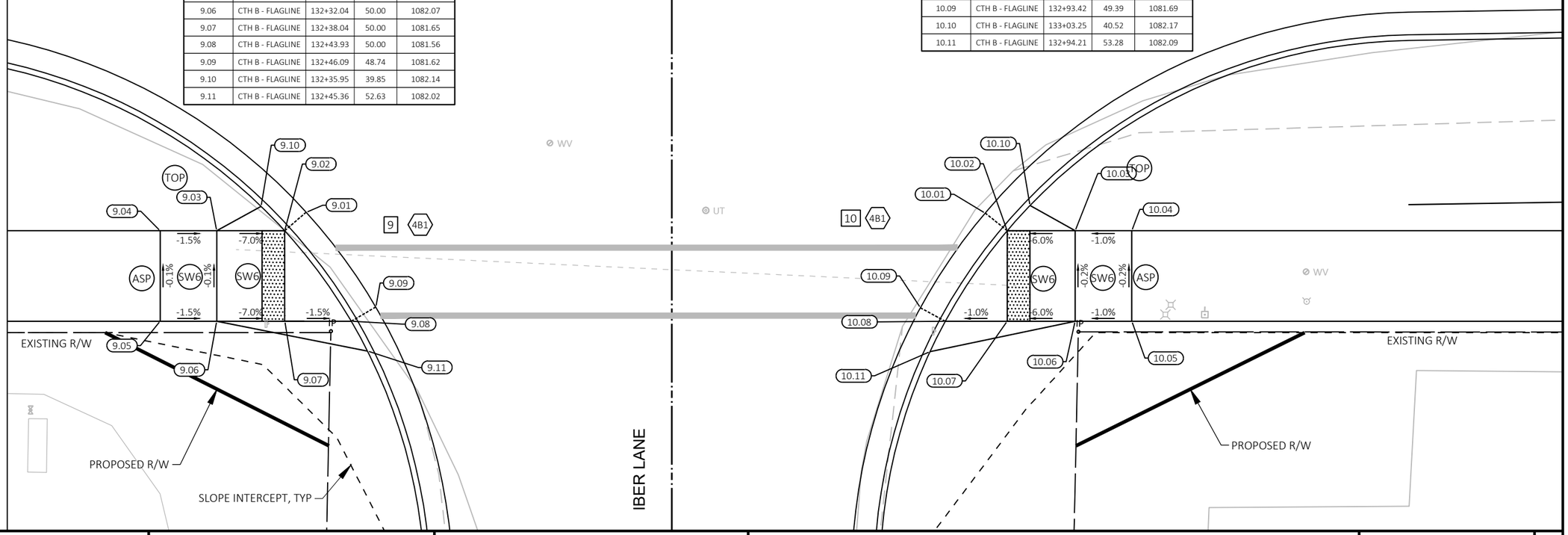


CURB RAMP 09 DATA TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	ELEVATION
9.01	CTH B - FLAGLINE	132+39.94	40.37	1081.70
9.02	CTH B - FLAGLINE	132+38.04	42.00	1081.64
9.03	CTH B - FLAGLINE	132+32.04	42.00	1082.06
9.04	CTH B - FLAGLINE	132+27.04	42.00	1082.13
9.05	CTH B - FLAGLINE	132+27.04	50.00	1082.14
9.06	CTH B - FLAGLINE	132+32.04	50.00	1082.07
9.07	CTH B - FLAGLINE	132+38.04	50.00	1081.65
9.08	CTH B - FLAGLINE	132+43.93	50.00	1081.56
9.09	CTH B - FLAGLINE	132+46.09	48.74	1081.62
9.10	CTH B - FLAGLINE	132+35.95	39.85	1082.14
9.11	CTH B - FLAGLINE	132+45.36	52.63	1082.02

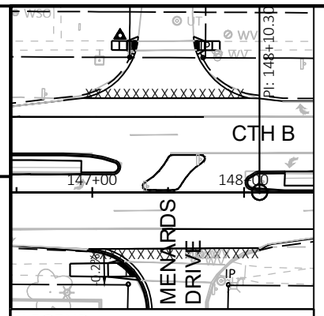
CURB RAMP 10 DATA TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	ELEVATION
10.01	CTH B - FLAGLINE	132+99.28	41.12	1081.73
10.02	CTH B - FLAGLINE	133+01.21	42.71	1081.67
10.03	CTH B - FLAGLINE	133+07.21	42.81	1082.03
10.04	CTH B - FLAGLINE	133+12.21	42.89	1082.08
10.05	CTH B - FLAGLINE	133+12.07	50.89	1082.09
10.06	CTH B - FLAGLINE	133+07.08	50.81	1082.04
10.07	CTH B - FLAGLINE	133+01.08	50.71	1081.68
10.08	CTH B - FLAGLINE	132+95.60	50.62	1081.63
10.09	CTH B - FLAGLINE	132+93.42	49.39	1081.69
10.10	CTH B - FLAGLINE	133+03.25	40.52	1082.17
10.11	CTH B - FLAGLINE	132+94.21	53.28	1082.09



PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	CURB RAMP DETAILS	SHEET 22	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\021001_CD\021002_CD.DWG
LAYOUT NAME - 05
PLOT DATE : 12/12/2023 9:16 AM
PLOT BY : JARED HALBUR
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 44



LEGEND

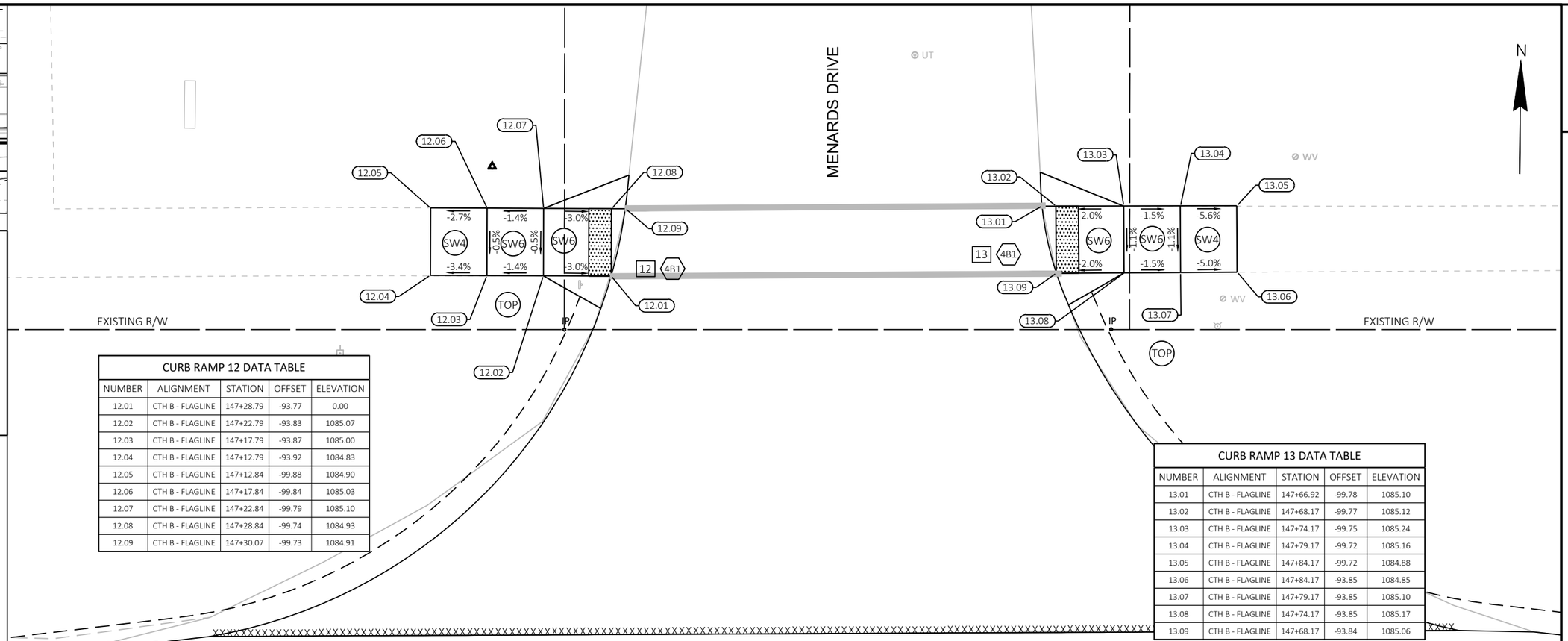
- ASP — 3" ASPHALTIC SURFACE
- SW4 — CONCRETE SIDEWALK 4-INCH
- SW6 — CONCRETE SIDEWALK 6-INCH
- TOP — TOPSOIL, SEED, FERTILIZER, AND EMAT
- 2 — CONCRETE CURB RAMP TYPE 2
- 4B1 — CONCRETE CURB RAMP TYPE 4B1
- 5 — CONCRETE CURB RAMP TYPE 5
- X — CURB RAMP NUMBER

NOTES:

REFER TO DETAILS "CURB RAMPS" FOR JOINT LOCATIONS AND ADDITIONAL DETAILS.

SEE PLAN DETAILS FOR CURB RADII.

CURB RAMP TAPERS TO BE GRASS.



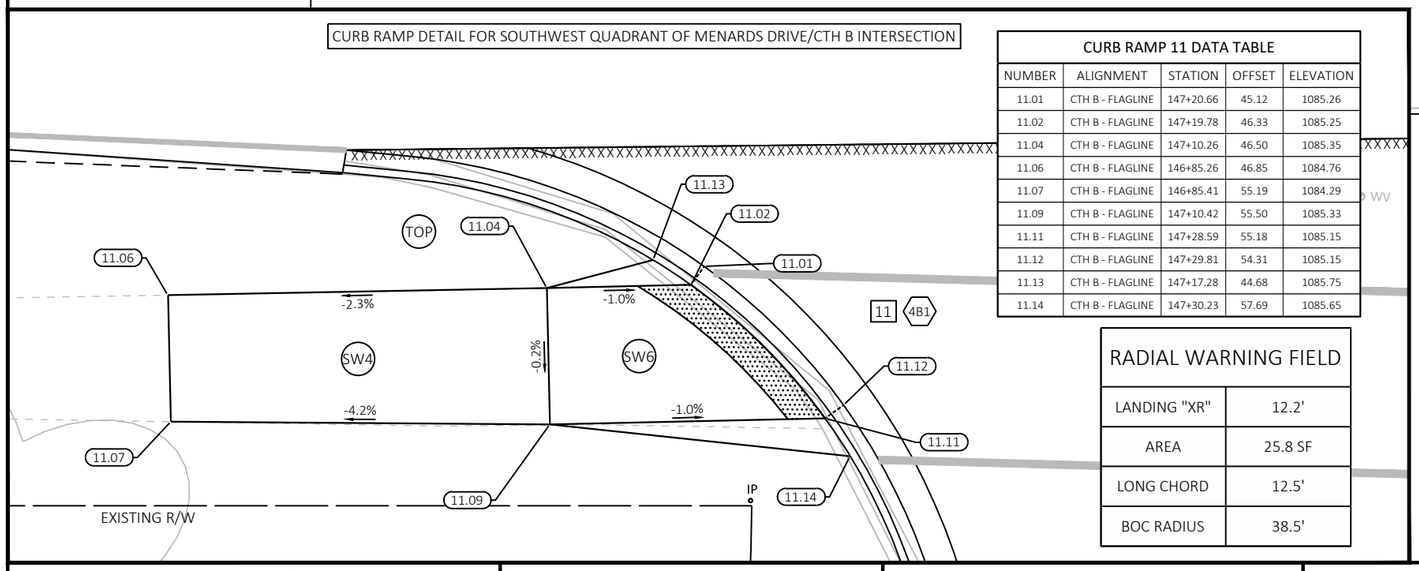
CURB RAMP 12 DATA TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	ELEVATION
12.01	CTH B - FLAGLINE	147+28.79	-93.77	0.00
12.02	CTH B - FLAGLINE	147+22.79	-93.83	1085.07
12.03	CTH B - FLAGLINE	147+17.79	-93.87	1085.00
12.04	CTH B - FLAGLINE	147+12.79	-93.92	1084.83
12.05	CTH B - FLAGLINE	147+12.84	-99.88	1084.90
12.06	CTH B - FLAGLINE	147+17.84	-99.84	1085.03
12.07	CTH B - FLAGLINE	147+22.84	-99.79	1085.10
12.08	CTH B - FLAGLINE	147+28.84	-99.74	1084.93
12.09	CTH B - FLAGLINE	147+30.07	-99.73	1084.91

CURB RAMP 13 DATA TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	ELEVATION
13.01	CTH B - FLAGLINE	147+66.92	-99.78	1085.10
13.02	CTH B - FLAGLINE	147+68.17	-99.77	1085.12
13.03	CTH B - FLAGLINE	147+74.17	-99.75	1085.24
13.04	CTH B - FLAGLINE	147+79.17	-99.72	1085.16
13.05	CTH B - FLAGLINE	147+84.17	-99.72	1084.88
13.06	CTH B - FLAGLINE	147+84.17	-93.85	1084.85
13.07	CTH B - FLAGLINE	147+79.17	-93.85	1085.10
13.08	CTH B - FLAGLINE	147+74.17	-93.85	1085.17
13.09	CTH B - FLAGLINE	147+68.17	-93.84	1085.06

CURB RAMP DETAIL FOR SOUTHWEST QUADRANT OF MENARDS DRIVE/CTH B INTERSECTION



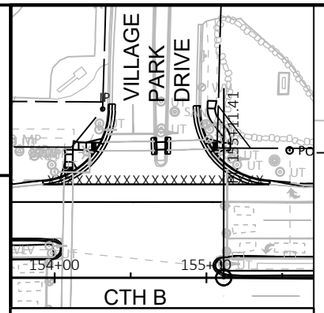
CURB RAMP 11 DATA TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	ELEVATION
11.01	CTH B - FLAGLINE	147+20.66	45.12	1085.26
11.02	CTH B - FLAGLINE	147+19.78	46.33	1085.25
11.04	CTH B - FLAGLINE	147+10.26	46.50	1085.35
11.06	CTH B - FLAGLINE	146+85.26	46.85	1084.76
11.07	CTH B - FLAGLINE	146+85.41	55.19	1084.29
11.09	CTH B - FLAGLINE	147+10.42	55.50	1085.33
11.11	CTH B - FLAGLINE	147+28.59	55.18	1085.15
11.12	CTH B - FLAGLINE	147+29.81	54.31	1085.15
11.13	CTH B - FLAGLINE	147+17.28	44.68	1085.75
11.14	CTH B - FLAGLINE	147+30.23	57.69	1085.65

RADIAL WARNING FIELD

LANDING "XR"	12.2'
AREA	25.8 SF
LONG CHORD	12.5'
BOC RADIUS	38.5'

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	CURB RAMP DETAILS	SHEET 23	E



LEGEND

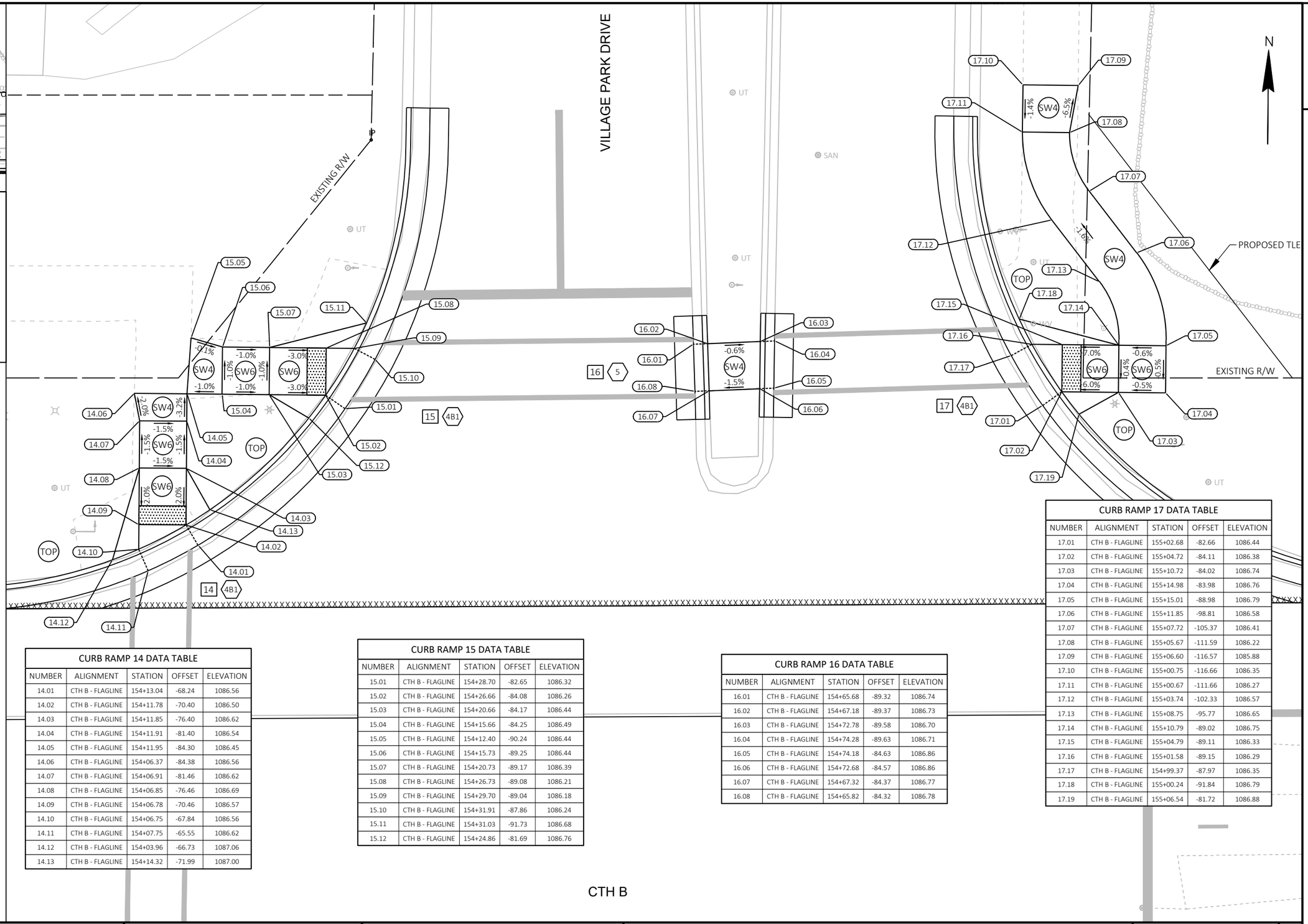
- ASP — 3" ASPHALTIC SURFACE
- SW4 — CONCRETE SIDEWALK 4-INCH
- SW6 — CONCRETE SIDEWALK 6-INCH
- TOP — TOPSOIL, SEED, FERTILIZER, AND EMAT
- 2 — CONCRETE CURB RAMP TYPE 2
- 4B1 — CONCRETE CURB RAMP TYPE 4B1
- 5 — CONCRETE CURB RAMP TYPE 5
- X — CURB RAMP NUMBER

NOTES:

REFER TO DETAILS "CURB RAMPS" FOR JOINT LOCATIONS AND ADDITIONAL DETAILS.

SEE PLAN DETAILS FOR CURB RADII.

CURB RAMP TAPERS TO BE GRASS.



CURB RAMP 14 DATA TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	ELEVATION
14.01	CTH B - FLAGLINE	154+13.04	-68.24	1086.56
14.02	CTH B - FLAGLINE	154+11.78	-70.40	1086.50
14.03	CTH B - FLAGLINE	154+11.85	-76.40	1086.62
14.04	CTH B - FLAGLINE	154+11.91	-81.40	1086.54
14.05	CTH B - FLAGLINE	154+11.95	-84.30	1086.45
14.06	CTH B - FLAGLINE	154+06.37	-84.38	1086.56
14.07	CTH B - FLAGLINE	154+06.91	-81.46	1086.62
14.08	CTH B - FLAGLINE	154+06.85	-76.46	1086.69
14.09	CTH B - FLAGLINE	154+06.78	-70.46	1086.57
14.10	CTH B - FLAGLINE	154+06.75	-67.84	1086.56
14.11	CTH B - FLAGLINE	154+07.75	-65.55	1086.62
14.12	CTH B - FLAGLINE	154+03.96	-66.73	1087.06
14.13	CTH B - FLAGLINE	154+14.32	-71.99	1087.00

CURB RAMP 15 DATA TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	ELEVATION
15.01	CTH B - FLAGLINE	154+28.70	-82.65	1086.32
15.02	CTH B - FLAGLINE	154+26.66	-84.08	1086.26
15.03	CTH B - FLAGLINE	154+20.66	-84.17	1086.44
15.04	CTH B - FLAGLINE	154+15.66	-84.25	1086.49
15.05	CTH B - FLAGLINE	154+12.40	-90.24	1086.44
15.06	CTH B - FLAGLINE	154+15.73	-89.25	1086.44
15.07	CTH B - FLAGLINE	154+20.73	-89.17	1086.39
15.08	CTH B - FLAGLINE	154+26.73	-89.08	1086.21
15.09	CTH B - FLAGLINE	154+29.70	-89.04	1086.18
15.10	CTH B - FLAGLINE	154+31.91	-87.86	1086.24
15.11	CTH B - FLAGLINE	154+31.03	-91.73	1086.68
15.12	CTH B - FLAGLINE	154+24.86	-81.69	1086.76

CURB RAMP 16 DATA TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	ELEVATION
16.01	CTH B - FLAGLINE	154+65.68	-89.32	1086.74
16.02	CTH B - FLAGLINE	154+67.18	-89.37	1086.73
16.03	CTH B - FLAGLINE	154+72.78	-89.58	1086.70
16.04	CTH B - FLAGLINE	154+74.28	-89.63	1086.71
16.05	CTH B - FLAGLINE	154+74.18	-84.63	1086.86
16.06	CTH B - FLAGLINE	154+72.68	-84.57	1086.86
16.07	CTH B - FLAGLINE	154+67.32	-84.37	1086.77
16.08	CTH B - FLAGLINE	154+65.82	-84.32	1086.78

CURB RAMP 17 DATA TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	ELEVATION
17.01	CTH B - FLAGLINE	155+02.68	-82.66	1086.44
17.02	CTH B - FLAGLINE	155+04.72	-84.11	1086.38
17.03	CTH B - FLAGLINE	155+10.72	-84.02	1086.74
17.04	CTH B - FLAGLINE	155+14.98	-83.98	1086.76
17.05	CTH B - FLAGLINE	155+15.01	-88.98	1086.79
17.06	CTH B - FLAGLINE	155+11.85	-98.81	1086.58
17.07	CTH B - FLAGLINE	155+07.72	-105.37	1086.41
17.08	CTH B - FLAGLINE	155+05.67	-111.59	1086.22
17.09	CTH B - FLAGLINE	155+06.60	-116.57	1085.88
17.10	CTH B - FLAGLINE	155+00.75	-116.66	1086.35
17.11	CTH B - FLAGLINE	155+00.67	-111.66	1086.27
17.12	CTH B - FLAGLINE	155+03.74	-102.33	1086.57
17.13	CTH B - FLAGLINE	155+08.75	-95.77	1086.65
17.14	CTH B - FLAGLINE	155+10.79	-89.02	1086.75
17.15	CTH B - FLAGLINE	155+04.79	-89.11	1086.33
17.16	CTH B - FLAGLINE	155+01.58	-89.15	1086.29
17.17	CTH B - FLAGLINE	154+99.37	-87.97	1086.35
17.18	CTH B - FLAGLINE	155+00.24	-91.84	1086.79
17.19	CTH B - FLAGLINE	155+06.54	-81.72	1086.88

CTH B

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	CURB RAMP DETAILS	SHEET 24	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\021001_CD\021002_CD.DWG
LAYOUT NAME - 08
PLOT DATE : 12/12/2023 9:17 AM PLOT BY : JARED HALBUR PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 44

2

HOOVER AVENUE

N

REMOVE AND REPLACE EXISTING DETECTABLE WARNING FIELD AND CONCRETE SIDEWALK. MATCH EXISTING GRADE, TYP.

CTH B

PI: 141+18.83

140+00

141+00

142+00

REMOVE EXISTING DETECTABLE WARNING FIELDS. REPLACE WITH CONCRETE SIDEWALK 4-INCH.

CTH B

IP

SLOPE INTERCEPT, TYP

EXISTING R/W

HOOVER AVENUE

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	CURB RAMP DETAILS	SHEET 25	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\021001_CD\021002_CD.DWG
LAYOUT NAME - 09

PLOT DATE : 12/12/2023 9:17 AM PLOT BY : JARED HALBUR PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 44

2

WISCONSIN AVENUE

LITTLE WOLF EXPRESS
LUBE
EGS PROPERTIES LLC
2900 WISCONSIN AVE

PLOVER MOTOR
SPORTS
BENJAMIN SOLEM
2540 PLOVER RD

MADISON AVENUE

BY THE ROOT
BEAVER CONSTRUCTION OF AMHERST LLC
2530 PLOVER RD

N

107+86.17
74.38' LT

MEDIAN TO BE REMOVED PRIOR
TO TRAFFIC CONTROL STAGE 3

REMOVING SMALL PIPE CULVERT
18" RCCP
108+89.25
62.00' LT

104 105 106 107 CTH B / PLOVER RD 108 109

BEGIN PROJECT 6767-01-71
STA 104+90

105+51.67
46.00' RT

106+81.50
44.97' RT

EXISTING SIGN BASE
TO BE REMOVED

107+77.72
59.04' RT

REMOVING SMALL PIPE CULVERT
18" CMCP

109+24.28
64.96' RT

SUBWAY
2551 PLOVER RD

WISCONSIN AVENUE

MADISON AVENUE

LEGEND:

- REMOVING CONCRETE PAVEMENT
- REMOVING CURB AND GUTTER
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC PAVEMENT (PAID AS COMMON EXCAVATION)
- REMOVING ASPHALTIC SURFACE MILLING
- REMOVING LANDSCAPING (PAID AS COMMON EXCAVATION)
- REMOVING INLETS
- ADJUSTING INLETS
- XXXXXXX SAWING CONCRETE/ASPHALT

REMOVING STORM SEWER

- CLEARING / GRUBBING

REMOVAL PLAN NOTES:

MEDIAN LANDSCAPING AREAS INCLUDE AN IRRIGATION LINE. CONTACT THE VILLAGE OF PLOVER PRIOR TO REMOVAL TO DETERMINE LOCATIONS.

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

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	REMOVAL PLAN	SHEET 26	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\021121_RM\021121_RM.DWG
LAYOUT NAME - 1
PLOT DATE : 12/12/2023 3:34 PM PLOT BY : JARED HALBUR PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

2

N

WASHINGTON AVENUE

SOUTH DRIVE

FREUND ENTERPRISES
2911 WASHINGTON AVE

RONALD WALTERS
2470 PLOVER RD

OKRAY INSURANCE
2460 PLOVER RD

HEARTLAND CUSTOM HOMES
ROBERT & ARLENE EVENSON
BRENDA & BRICE NELSON
2450 PLOVER RD

111+24.49
94.97' LT

REMOVING SMALL PIPE CULVERT
12" CMCP

REMOVING SMALL PIPE CULVERT
18" CMCP

112+61.34
65.00' LT

113+83.68
65.00' LT

114+78.26
74.00' LT

REMOVING SMALL PIPE CULVERT
18" CMCP

110 111 112 CTH B / PLOVER RD 114 115

REMOVING SMALL PIPE CULVERT
18" CMCP

111+08.99
61.19' RT

REMOVING SMALL PIPE CULVERT
18" CMCP

112+29.70
50.00' RT

REMOVING SMALL PIPE CULVERT
12" CMCP

113+80.28
50.00' RT

REMOVING SMALL PIPE CULVERT
24" CMCP

WASHINGTON AVENUE

KWIK TRIP
2511 PLOVER RD

HOME TEAM DECOR
2461 PLOVER RD

DISHER PROPERTIES
2451 PLOVER RD

REMOVAL PLAN NOTES:

MEDIAN LANDSCAPING AREAS INCLUDE AN IRRIGATION LINE. CONTACT THE VILLAGE OF PLOVER PRIOR TO REMOVAL TO DETERMINE LOCATIONS.

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

LEGEND:

- REMOVING CONCRETE PAVEMENT
- REMOVING CURB AND GUTTER
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC PAVEMENT (PAID AS COMMON EXCAVATION)
- REMOVING ASPHALTIC SURFACE MILLING
- REMOVING LANDSCAPING (PAID AS COMMON EXCAVATION)
- REMOVING INLETS
- ADJUSTING INLETS
- xxxxxxx SAWING CONCRETE/ASPHALT
- REMOVING STORM SEWER
- CLEARING / GRUBBING

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	REMOVAL PLAN	SHEET 27	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\021121_RM\021121_RM.DWG
LAYOUT NAME - 2

PLOT DATE : 12/12/2023 3:34 PM PLOT BY : JARED HALBUR PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

LEE HELM
2440 PLOVER RD

SHULFERS
SHULF PROPERTIES
LLC
2430 CIRCLE CT

+57.64, 152' LT

+56.38, 82' LT

CIRCLE COURT

REMOVING SMALL PIPE CULVERT
18" CMCP

N

116 117 118 119 120

CTH B / PLOVER RD

REMOVAL PLAN NOTES:

MEDIAN LANDSCAPING AREAS INCLUDE AN IRRIGATION LINE. CONTACT THE VILLAGE OF PLOVER PRIOR TO REMOVAL TO DETERMINE LOCATIONS.

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

LEGEND:

- REMOVING CONCRETE PAVEMENT
- REMOVING CURB AND GUTTER
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC PAVEMENT (PAID AS COMMON EXCAVATION)
- REMOVING ASPHALTIC SURFACE MILLING
- REMOVING LANDSCAPING (PAID AS COMMON EXCAVATION)
- REMOVING INLETS
- ADJUSTING INLETS
- XXXXXXX SAWING CONCRETE/ASPHALT
- REMOVING STORM SEWER
- CLEARING / GRUBBING

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	REMOVAL PLAN	SHEET 28	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\021121_RM\021121_RM.DWG
LAYOUT NAME - 3
PLOT DATE : 12/12/2023 3:34 PM PLOT BY : JARED HALBUR PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

PLOVER FUNERAL HOME
SHULF PROPERTIES LLC
2400 PLOVER RD

MECCA DRIVE

REMOVING SMALL PIPE CULVERT
18" CMCP

CIRCLE COURT

SCALE: 1IN=100FT

121+85.47
247.80' LT

MECCA DRIVE NORTH LIMITS

PAGE BREAK REFERENCE LINE

FAHRNER ASPHALT
JENTEX GROUP LLC
2380 PLOVER RD

N

121 122 123 124 CTH B / PLOVER RD 125 126

REMOVING SMALL PIPE CULVERT
24" CMCP

MECCA DRIVE

121+68.57
187.11' RT

VANDY PROPERTIES
2351 PLOVER RD

PAGE BREAK REFERENCE LINE

SCALE: 1IN=100FT

121+68.57
187.11' RT

MECCA DRIVE SOUTH LIMITS

REMOVAL PLAN NOTES:

MEDIAN LANDSCAPING AREAS INCLUDE AN IRRIGATION LINE. CONTACT THE VILLAGE OF PLOVER PRIOR TO REMOVAL TO DETERMINE LOCATIONS.

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

LEGEND:

- REMOVING CONCRETE PAVEMENT
- REMOVING CURB AND GUTTER
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC PAVEMENT (PAID AS COMMON EXCAVATION)
- REMOVING ASPHALTIC SURFACE MILLING
- REMOVING LANDSCAPING (PAID AS COMMON EXCAVATION)
- REMOVING INLETS
- ADJUSTING INLETS
- XXXXXXX SAWING CONCRETE/ASPHALT
- REMOVING STORM SEWER
- CLEARING / GRUBBING

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	REMOVAL PLAN	SHEET 29	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\021121_RM\021121_RM.DWG
LAYOUT NAME - 4

PLOT DATE : 12/12/2023 3:34 PM PLOT BY : JARED HALBUR PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

WISCONSIN BUILDING SUPPLIES
WOLOHAN REALTY LLC
2200 PLOVER RD

N

JAY MAR ROAD

REMOVING SMALL PIPE CULVERT
13"X21" CMCP

129+70.77
86.18' LT

127 128 CTH B / PLOVER RD 129 130 131

REMOVING SMALL PIPE CULVERT
18" CMCP

127+87.81
50.00' RT

REMOVING SMALL PIPE CULVERT
18" CMCP

129+53.81
50.00' RT

NRG MEDIA
2301 PLOVER RD

REMOVAL PLAN NOTES:

MEDIAN LANDSCAPING AREAS INCLUDE AN IRRIGATION LINE. CONTACT THE VILLAGE OF PLOVER PRIOR TO REMOVAL TO DETERMINE LOCATIONS.

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

LEGEND:

- REMOVING CONCRETE PAVEMENT
- REMOVING CURB AND GUTTER
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC PAVEMENT (PAID AS COMMON EXCAVATION)
- REMOVING ASPHALTIC SURFACE MILLING
- REMOVING LANDSCAPING (PAID AS COMMON EXCAVATION)
- REMOVING INLETS
- ADJUSTING INLETS
- XXXXXXX SAWING CONCRETE/ASPHALT
- REMOVING STORM SEWER
- CLEARING / GRUBBING

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	REMOVAL PLAN	SHEET 30	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\021121_RM\021121_RM.DWG
LAYOUT NAME - 5

PLOT DATE : 12/12/2023 3:34 PM PLOT BY : JARED HALBUR PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

JAY-MAR
JAY-MAR PROPERTIES
LLC
2130 JAY-MAR RD

OAKVIEW VETERINARY
J & H REAL ESTATE
PARTNERSHIP
2110 JAY-MAR RD

N

JAY MAR ROAD

136+19.78
96.46' LT
REMOVING SMALL PIPE CULVERT
13"X 21" CMCP

MEDIAN TO BE REMOVED PRIOR
TO TRAFFIC CONTROL STAGE 3

MEDIAN TO BE REMOVED PRIOR
TO TRAFFIC CONTROL STAGE 3

132 133 CTH B / PLOVER RD 134 135 136 137

REMOVING SMALL PIPE CULVERT
18" CMCP

132+70.77
91.24' RT

136+23.48
56.11' RT

IBER LANE

NAPA
LNS PROPERTIES LLC
2131 PLOVER RD

LEGEND:

- REMOVING CONCRETE PAVEMENT
- REMOVING CURB AND GUTTER
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC PAVEMENT (PAID AS COMMON EXCAVATION)
- REMOVING ASPHALTIC SURFACE MILLING
- REMOVING LANDSCAPING (PAID AS COMMON EXCAVATION)
- REMOVING INLETS
- ADJUSTING INLETS
- XXXXXXX SAWING CONCRETE/ASPHALT

REMOVING STORM SEWER

- CLEARING / GRUBBING

REMOVAL PLAN NOTES:

MEDIAN LANDSCAPING AREAS INCLUDE AN IRRIGATION LINE. CONTACT THE VILLAGE OF PLOVER PRIOR TO REMOVAL TO DETERMINE LOCATIONS.

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

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	REMOVAL PLAN	SHEET 31	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\021121_RM\021121_RM.DWG
LAYOUT NAME - 6
PLOT DATE : 12/12/2023 3:34 PM PLOT BY : JARED HALBUR PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

KERBER ROSE
CERTIFIED PUBLIC
ACCOUNTANTS
KRA REAL ESTATE LLC
2040 JAY-MAR RD

COCA-COLA
LONE OAK - WISCONSIN
LLC
2010 JAY-MAR RD

JAY MAR ROAD

HOOVER AVENUE

+07 , 149' LT

+45 , 156' LT

CULVERT TO REMAIN
(SHALLOW DEPTH)

REMOVING ASPHALTIC SURFACE MILLING
PARTIAL DEPTH (2")

REMOVING ASPHALTIC
SURFACE MILLING
FULL DEPTH (6")

MEDIAN TO BE REMOVED PRIOR
TO TRAFFIC CONTROL STAGE 3

138 139 CTH B / PLOVER RD 140 141 142

REMOVING CONCRETE SIDEWALK

REMOVE PORTION OF CULVERT
(SEE STORM SEWER PLAN FOR MANHOLE CONNECTION LOCATION)

+94 , 123' RT

+33 , 126' RT

HOOVER AVENUE

REMOVING ASPHALTIC
SURFACE MILLING
FULL DEPTH (6")

REMOVING ASPHALTIC SURFACE MILLING
PARTIAL DEPTH (2")

N

LEGEND:

- REMOVING CONCRETE PAVEMENT
- REMOVING CURB AND GUTTER
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC PAVEMENT (PAID AS COMMON EXCAVATION)
- REMOVING ASPHALTIC SURFACE MILLING
- REMOVING LANDSCAPING (PAID AS COMMON EXCAVATION)
- REMOVING INLETS
- ADJUSTING INLETS
- XXXXXXX SAWING CONCRETE/ASPHALT

REMOVING STORM SEWER

- CLEARING / GRUBBING

REMOVAL PLAN NOTES:

MEDIAN LANDSCAPING AREAS INCLUDE AN IRRIGATION LINE. CONTACT THE VILLAGE OF PLOVER PRIOR TO REMOVAL TO DETERMINE LOCATIONS.

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

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	REMOVAL PLAN	SHEET 32	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\021121_RM\021121_RM.DWG
LAYOUT NAME - 7
PLOT DATE : 12/12/2023 3:34 PM PLOT BY : JARED HALBUR PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

WOOD COUNTY NATIONAL BANK
1900 PLOVER RD

VERIZON
1830 PLOVER LLC
1830 PLOVER RD

ARTIST & FARE
PLAZA ENTRANCE

N

REMOVING ASPHALTIC SURFACE MILLING
FULL DEPTH (6")

REMOVE AND REPLACE RAISED ISLAND
SEE CONSTRUCTION DETAILS

12'

143 144 145 CTH B / PLOVER RD 146 147 148

13'

REMOVING ASPHALTIC SURFACE MILLING
FULL DEPTH (6")

MENARDS INC
1901 PLOVER RD

MENARDS DRIVE

LEGEND:

- REMOVING CONCRETE PAVEMENT
- REMOVING CURB AND GUTTER
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC PAVEMENT (PAID AS COMMON EXCAVATION)
- REMOVING ASPHALTIC SURFACE MILLING
- REMOVING LANDSCAPING (PAID AS COMMON EXCAVATION)
- REMOVING INLETS
- ADJUSTING INLETS
- XXXXXXX SAWING CONCRETE/ASPHALT
- REMOVING STORM SEWER
- CLEARING / GRUBBING

REMOVAL PLAN NOTES:

MEDIAN LANDSCAPING AREAS INCLUDE AN IRRIGATION LINE. CONTACT THE VILLAGE OF PLOVER PRIOR TO REMOVAL TO DETERMINE LOCATIONS.

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

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	REMOVAL PLAN	SHEET 33	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\021121_RM\021121_RM.DWG
LAYOUT NAME - 8
PLOT DATE : 12/12/2023 3:34 PM PLOT BY : JARED HALBUR PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

2

MAN-JAC INVESTMENT
LLC
1810 PLOVER RD

KFC
JERIFRED HOLDINGS
CORP
1770 PLOVER RD

MEMBERS ADVANTAGE CREDIT
UNION
1760 PLOVER RD

N

REMOVING ASPHALTIC SURFACE MILLING
FULL DEPTH (6")

149 150 151 CTH B / PLOVER RD 152 153

REMOVING ASPHALTIC SURFACE MILLING
FULL DEPTH (6")

EXISTING
SIGN BRIDGE
TO REMAIN

STARBUCKS
SIMONCRE JC PALM IV
LLC
0 MENARDS DR

ARBY'S
1825 PLOVER
PROPERTIES LLC
1825 PLOVER RD

LEGEND:

- REMOVING CONCRETE PAVEMENT
- REMOVING CURB AND GUTTER
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC PAVEMENT (PAID AS COMMON EXCAVATION)
- REMOVING ASPHALTIC SURFACE MILLING
- REMOVING LANDSCAPING (PAID AS COMMON EXCAVATION)
- REMOVING INLETS
- ADJUSTING INLETS
- XXXXXXX SAWING CONCRETE/ASPHALT
- REMOVING STORM SEWER
- CLEARING / GRUBBING

REMOVAL PLAN NOTES:

MEDIAN LANDSCAPING AREAS INCLUDE AN IRRIGATION LINE. CONTACT THE VILLAGE OF PLOVER PRIOR TO REMOVAL TO DETERMINE LOCATIONS.

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

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	REMOVAL PLAN	SHEET 34	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\021121_RM\021121_RM.DWG
LAYOUT NAME - 9

PLOT DATE : 12/12/2023 3:34 PM PLOT BY : JARED HALBUR PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

VILLAGE PARK DRIVE

BP / BURGER KING
MOUNT VIEW II LLC
2900 VILLAGE PARK
DR

TACO BELL
PAMELA ROBERTSON
TRUST
1550 PLOVER RD

N

REMOVING ASPHALTIC SURFACE MILLING
FULL DEPTH (6")

11"

154 155 156 CTH B / PLOVER RD 157 158 159

REMOVING ASPHALTIC SURFACE MILLING
FULL DEPTH (6")

AMOCO / DUNKIN' DONUTS
SCF RC FUNDING IV LLC
3001 VILLAGE PARK DR

VILLAGE PARK DRIVE

REMOVAL PLAN NOTES:

MEDIAN LANDSCAPING AREAS INCLUDE AN IRRIGATION LINE. CONTACT THE VILLAGE OF PLOVER PRIOR TO REMOVAL TO DETERMINE LOCATIONS.

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

LEGEND:

- REMOVING CONCRETE PAVEMENT
- REMOVING CURB AND GUTTER
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC PAVEMENT (PAID AS COMMON EXCAVATION)
- REMOVING ASPHALTIC SURFACE MILLING
- REMOVING LANDSCAPING (PAID AS COMMON EXCAVATION)
- REMOVING INLETS
- ADJUSTING INLETS
- XXXXXXX SAWING CONCRETE/ASPHALT
- REMOVING STORM SEWER
- CLEARING / GRUBBING

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	REMOVAL PLAN	SHEET 35	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\021121_RM\021121_RM.DWG
LAYOUT NAME - 10

PLOT DATE : 12/12/2023 3:34 PM PLOT BY : JARED HALBUR PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

SAMOEUN'S HAPPY
WOK
1540 PLOVER ROAD
LLC
1540 PLOVER RD

AMERICINN
KANAK LLC
1501 AMERICAN DR

N

160 161 162 163 164 165

CTH B / PLOVER RD

END PROJECT 6767-02-71
STA 164+24

EXISTING
SIGN BRIDGE
TO REMAIN

LEGEND:

- REMOVING CONCRETE PAVEMENT
- REMOVING CURB AND GUTTER
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC PAVEMENT (PAID AS COMMON EXCAVATION)
- REMOVING ASPHALTIC SURFACE MILLING
- REMOVING LANDSCAPING (PAID AS COMMON EXCAVATION)
- REMOVING INLETS
- ADJUSTING INLETS
- XXXXXXX SAWING CONCRETE/ASPHALT

REMOVING STORM SEWER

- CLEARING / GRUBBING

REMOVAL PLAN NOTES:

MEDIAN LANDSCAPING AREAS INCLUDE AN IRRIGATION LINE. CONTACT THE VILLAGE OF PLOVER PRIOR TO REMOVAL TO DETERMINE LOCATIONS.

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

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	REMOVAL PLAN	SHEET 36	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\021121_RM\021121_RM.DWG
LAYOUT NAME - 11
PLOT DATE : 12/12/2023 3:34 PM PLOT BY : JARED HALBUR PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

DATA TABLE				
NUMBER	STATION	OFFSET	FINISHED ELEVATION	COMMENTS
1.01	105+09.20	-42.00' LT	1075.31	END OF RADIUS
1.02	105+00.00	-8.00' LT	1075.99	BEGIN MEDIAN
1.03	105+75.00	-8.00' LT	1075.71	MEDIAN TAPER POINT
1.04	106+65.00	-18.00' LT	1075.57	MEDIAN TAPER POINT
1.05	106+65.00	-10.00' LT	1075.77	MEDIAN TAPER POINT
1.06	105+75.00	0.00'	1075.51	MEDIAN TAPER POINT
1.07	104+99.98	0.00' LT	1075.83	BEGIN MEDIAN
1.08	105+14.03	24.00' RT	1075.33	END OF RADIUS

LEGEND:

- DATA POINT
- DRAINAGE PATH
- PROPOSED INLET
- PROPOSED MANHOLE
- PROPOSED ENDWALL
- HMA PAVEMENT
- STAMPING COLORED CONCRETE

BEGIN PROJECT 6767-01-71
STA 104+90
MATCH EXISTING

CTH B / PLOVER RD

WISCONSIN AVE

POST ROAD / BUSINESS 51

REJECT CURB AND GUTTER (MEDIAN), TYP
CONCRETE SIDEWALK, 4-INCH
CONCRETE CURB AND GUTTER 30-INCH TYPE A, TYP
INLET DEPRESSED TO MATCH LP, TYP
3" ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CONCRETE DRIVEWAY, 6-INCH
CONCRETE DRIVEWAY, 6-INCH
PEDESTRIAN CURB
ENGINEER IN FIELD MAY REVISE IF FIELD CONDITIONS FIT GRADING
8' MULTI-USE PATH
GRASS TERRACE
(TOPSOIL, SEED MIX #40, FERTILIZER TYPE B, PREP FOR LAWN TYPE TURF, AND EROSION MAT URBAN CLASS I TYPE A)

KEYNOTES:

1. 12-FT TRAVEL LANE (CONCRETE PAVEMENT 10-INCH)
2. 10-FT TURN LANE (CONCRETE PAVEMENT 10-INCH)
3. 18-FT TWO-WAY LEFT TURN LANE (6" HMA PAVEMENT)
4. 12-FT TURN LANE (CONCRETE PAVEMENT 10-INCH)
5. 10-FT TURN LANE (6" HMA PAVEMENT)
6. 6-FT SHOULDER (6" HMA PAVEMENT)
7. 10-FT SHOULDER (6" HMA PAVEMENT)

PLAN DETAILS NOTES:

CONCRETE PAVING GRADES PROVIDED AT 25 FOOT INCREMENTS ON WHOLE STATIONS. SUPPLEMENTAL GRADES PROVIDED FOR END OF RADIUS, MID RADIUS, END POINTS, AND TAPER POINTS.

ALL CURB RADII ARE TO FLANGE OF CURB.

ALL ROADWAY DIMENSIONS ARE TO THE FLANGE OF CURB OR JOINT LINE

* ALL ADA PEDESTRIAN CURB RAMPS ARE CONCRETE SIDEWALK, 6-INCH. SEE CURB RAMP DETAILS FOR LAYOUTS, GRADES, AND SLOPES.

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	PLAN DETAILS: CTH B	SHEET 37	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\021201_PD\021201_PD_JTH.DWG
LAYOUT NAME - 1
PLOT DATE : 10/31/2023 2:02 PM PLOT BY : JARED HALBUR PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

PLAN DETAILS NOTES:

CONCRETE PAVING GRADES PROVIDED AT 25 FOOT INCREMENTS ON WHOLE STATIONS. SUPPLEMENTAL GRADES PROVIDED FOR END OF RADIUS, MID RADIUS, END POINTS, AND TAPER POINTS.

ALL CURB RADII ARE TO FLANGE OF CURB.

ALL ROADWAY DIMENSIONS ARE TO THE FLANGE OF CURB OR JOINT LINE

* ALL ADA PEDESTRIAN CURB RAMPS ARE CONCRETE SIDEWALK, 6-INCH. SEE CURB RAMP DETAILS FOR LAYOUTS, GRADES, AND SLOPES.

KEYNOTES:

1. 12-FT TRAVEL LANE (CONCRETE PAVEMENT 10-INCH)
2. 10-FT TURN LANE (CONCRETE PAVEMENT 10-INCH)
3. 18-FT TWO-WAY LEFT TURN LANE (6" HMA PAVEMENT)
4. 12-FT TURN LANE (CONCRETE PAVEMENT 10-INCH)
5. 10-FT TURN LANE (6" HMA PAVEMENT)
6. 6-FT SHOULDER (6" HMA PAVEMENT)
7. 10-FT SHOULDER (6" HMA PAVEMENT)

RADIUS POINT TABLE			
NUMBER	STATION	OFFSET	RADIUS
R2.01	107+41.68	-72.00' LT	30' RADIUS
R2.02	108+31.51	-72.00' LT	30' RADIUS
R2.03	107+32.63	54.00' RT	30' RADIUS
R2.04	108+23.26	54.00' RT	30' RADIUS
R2.05	110+77.86	-72.00' LT	30' RADIUS
R2.06	111+69.14	-72.00' LT	30' RADIUS
R2.07	110+67.96	54.00' RT	30' RADIUS
R2.08	111+50.52	54.00' RT	30' RADIUS

N

2540 2530 2911 2470 2545 2511 2461 2451

MADISON AVENUE

WASHINGTON AVENUE

CONCRETE SIDEWALK, 4-INCH

3" ASPHALTIC SURFACE DRIVEWAY
CONCRETE DRIVEWAY, 6-INCH

REJECT CURB AND GUTTER (MEDIAN), TYP

CONCRETE CURB AND GUTTER 30-INCH TYPE A, TYP

4" HMA PAVEMENT

3" ASPHALTIC SURFACE DRIVEWAY

CONCRETE DRIVEWAY 6-INCH

6" HMA PAVEMENT (CROWN ROADWAY IN MIDDLE OF TWO-WAY LEFT TURN LANE)

CTH B / PLOVER RD

CONCRETE CURB AND GUTTER 18-INCH TYPE A, TYP

CONCRETE DRIVEWAY, 6-INCH

8' MULTI-USE PATH

GRASS TERRACE
(TOPSOIL, SEED MIX #40, FERTILIZER TYPE B, PREP FOR LAWN TYPE TURF, AND EROSION MAT URBAN CLASS I TYPE A)

PEDESTRIAN CURB
ENGINEER IN FIELD MAY REVISE IF FIELD CONDITIONS FIT GRADING

DATA TABLE			
NUMBER	STATION	OFFSET	DESCRIPTION
2.01	107+41.68	42.0' LT	END OF RADIUS
2.02	107+61.95	49.9' LT	MID OF RADIUS
2.03	107+71.57	69.4' LT	BEGIN OF RADIUS
2.04	107+71.99	74.2' LT	END OF CONCRETE
2.05	108+01.26	74.5' LT	END OF CONCRETE
2.06	108+01.59	69.9' LT	BEGIN OF RADIUS
2.07	108+11.06	50.0' LT	MID OF RADIUS
2.08	108+31.51	42.0' LT	END OF RADIUS
2.09	110+77.86	42.0' LT	END OF RADIUS
2.10	110+97.52	49.3' LT	MID OF RADIUS
2.11	111+07.56	67.7' LT	BEGIN OF RADIUS

DATA TABLE			
NUMBER	STATION	OFFSET	DESCRIPTION
2.12	111+08.49	74.2' LT	END OF CONCRETE
2.13	111+38.54	73.3' LT	END OF CONCRETE
2.14	111+39.54	67.2' LT	BEGIN OF RADIUS
2.15	111+49.72	49.1' LT	MID OF RADIUS
2.16	111+69.14	42.0' LT	END OF RADIUS
2.17	107+40.00	18.0' LT	END OF MEDIAN
2.18	107+40.00	10.0' LT	END OF MEDIAN
2.19	108+30.00	8.0' LT	BEGIN OF MEDIAN
2.20	109+05.00	8.0' LT	MEDIAN TAPER POINT
2.21	109+95.00	18.0' LT	MEDIAN TAPER POINT
2.22	110+70.00	18.0' LT	END OF MEDIAN

DATA TABLE			
NUMBER	STATION	OFFSET	DESCRIPTION
2.23	110+70.00	10.0' LT	END OF MEDIAN
2.24	109+95.00	10.0' LT	MEDIAN TAPER POINT
2.25	109+05.00	0.0'	MEDIAN TAPER POINT
2.26	108+30.00	0.0'	BEGIN OF MEDIAN
2.27	107+32.63	24.0' RT	END OF RADIUS
2.28	107+53.64	32.6' RT	MID OF RADIUS
2.29	107+62.63	53.4' RT	BEGIN OF RADIUS
2.30	107+62.73	58.4' RT	END OF CONCRETE
2.31	107+92.26	59.7' RT	END OF CONCRETE
2.32	107+93.52	50.1' RT	BEGIN OF RADIUS
2.33	108+03.48	31.4' RT	MID OF RADIUS

DATA TABLE			
NUMBER	STATION	OFFSET	DESCRIPTION
2.34	108+23.26	24.0' RT	END OF RADIUS
2.35	110+67.96	24.0' RT	END OF RADIUS
2.36	110+89.62	33.3' RT	MID OF RADIUS
2.37	110+97.93	55.3' RT	BEGIN OF RADIUS
2.38	110+97.71	60.3' RT	END OF CONCRETE
2.39	111+19.78	62.1' RT	END OF CONCRETE
2.40	111+20.62	51.6' RT	BEGIN OF RADIUS
2.41	111+30.17	32.0' RT	MID OF RADIUS
2.42	111+50.52	24.0' RT	END OF RADIUS

LEGEND:

- DATA POINT
- DRAINAGE PATH
- PROPOSED INLET
- PROPOSED MANHOLE
- PROPOSED ENDWALL
- HMA PAVEMENT
- STAMPING COLORED CONCRETE

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	PLAN DETAILS: CTH B	SHEET 38	E

RADIUS POINT TABLE			
NUMBER	STATION	OFFSET	RADIUS
R3.01	114+53.42	-57.00' LT	15' RADIUS
R3.02	115+03.53	-57.61' LT	15' RADIUS

LEGEND:
- DATA POINT
- DRAINAGE PATH
- PROPOSED INLET
- PROPOSED MANHOLE
- PROPOSED ENDWALL
- HMA PAVEMENT
- STAMPING COLORED CONCRETE

2460 2450 2440 2430 2401 2451

N

SOUTH DRIVE

3" ASPHALTIC SURFACE DRIVEWAY
CONCRETE DRIVEWAY, 6-INCH
4" HMA PAVEMENT
ASPHALTIC FLUME
6" BASE AGGREGATE DENSE 3/4-INCH
CONCRETE DRIVEWAY, 6-INCH
CONCRETE CURB AND GUTTER 30-INCH TYPE A, TYP
6" HMA PAVEMENT (CROWN ROADWAY IN MIDDLE OF TWO-WAY LEFT TURN LANE)
3" ASPHALTIC SURFACE DRIVEWAY
CONCRETE DRIVEWAY, 6-INCH
2" ASPHALTIC SURFACE
CONCRETE CURB AND GUTTER 30-INCH TYPE A, TYP
REJECT CURB AND GUTTER (MEDIAN), TYP

+68.13, 74' LT
+88.88, 74' LT
R3.01
R3.02
+61.0
+07.2
+64.8
+83.9
+98.2
+43.2
10'
11'
9'
12'

CTH B / PLOVER RD

CONCRETE DRIVEWAY, 6-INCH
GRASS TERRACE (TOPSOIL, SEED MIX #40, FERTILIZER TYPE B, PREP FOR LAWN TYPE TURF, AND EROSION MAT URBAN CLASS I TYPE A)
8' MULTI-USE PATH
CONCRETE DRIVEWAY, 6-INCH
6" BASE AGGREGATE DENSE 3/4-INCH
15.5'

DATA TABLE			
NUMBER	STATION	OFFSET	DESCRIPTION
3.01	114+53.42	42.0' LT	BEGIN OF RADIUS
3.02	114+64.12	46.5' LT	MID OF RADIUS
3.03	114+68.40	58.8' LT	END OF RADIUS
3.04	114+88.39	59.1' LT	END OF RADIUS
3.05	114+92.71	47.1' LT	MID OF RADIUS
3.06	115+03.88	42.6' LT	END OF RADIUS
3.07	114+80.01	18.0' LT	TWLTL TAPER POINT
3.08	117+38.50	24.0' RT	C&G TAPER POINT
3.09	118+50.00	26.7' LT	RAISED MEDIAN
3.10	118+50.00	0.0'	RAISED MEDIAN
3.11	118+75.28	0.0' LT	MEDIAN TAPER POINT

PLAN DETAILS NOTES:

CONCRETE PAVING GRADES PROVIDED AT 25 FOOT INCREMENTS ON WHOLE STATIONS. SUPPLEMENTAL GRADES PROVIDED FOR END OF RADIUS, MID RADIUS, END POINTS, AND TAPER POINTS.

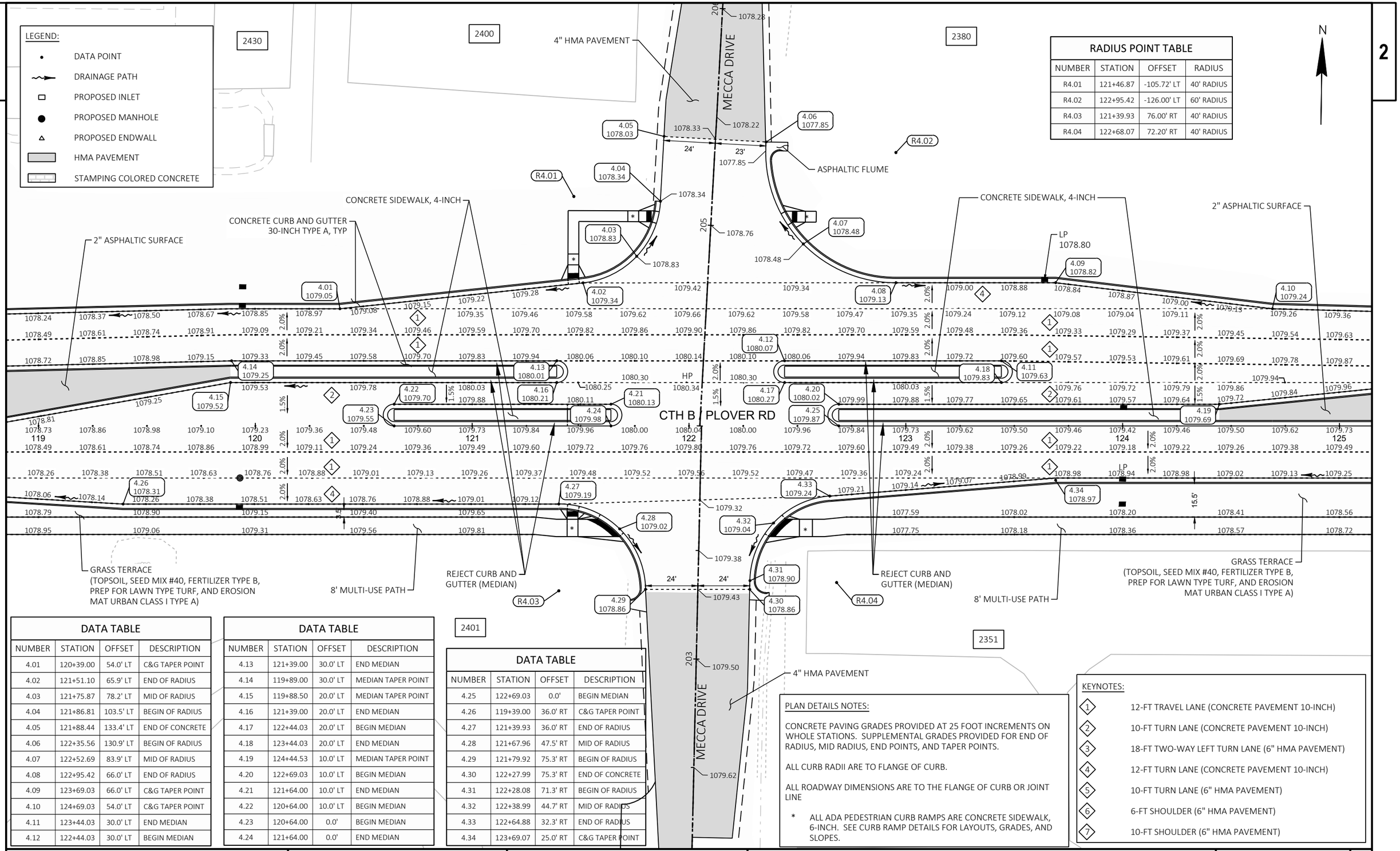
ALL CURB RADII ARE TO FLANGE OF CURB.

ALL ROADWAY DIMENSIONS ARE TO THE FLANGE OF CURB OR JOINT LINE

* ALL ADA PEDESTRIAN CURB RAMPS ARE CONCRETE SIDEWALK, 6-INCH. SEE CURB RAMP DETAILS FOR LAYOUTS, GRADES, AND SLOPES.

KEYNOTES:
1. 12-FT TRAVEL LANE (CONCRETE PAVEMENT 10-INCH)
2. 10-FT TURN LANE (CONCRETE PAVEMENT 10-INCH)
3. 18-FT TWO-WAY LEFT TURN LANE (6" HMA PAVEMENT)
4. 12-FT TURN LANE (CONCRETE PAVEMENT 10-INCH)
5. 10-FT TURN LANE (6" HMA PAVEMENT)
6. 6-FT SHOULDER (6" HMA PAVEMENT)
7. 10-FT SHOULDER (6" HMA PAVEMENT)

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	PLAN DETAILS: CTH B	SHEET 39	E



RADIUS POINT TABLE			
NUMBER	STATION	OFFSET	RADIUS
R4.01	121+46.87	-105.72' LT	40' RADIUS
R4.02	122+95.42	-126.00' LT	60' RADIUS
R4.03	121+39.93	76.00' RT	40' RADIUS
R4.04	122+68.07	72.20' RT	40' RADIUS

DATA TABLE			
NUMBER	STATION	OFFSET	DESCRIPTION
4.01	120+39.00	54.0' LT	C&G TAPER POINT
4.02	121+51.10	65.9' LT	END OF RADIUS
4.03	121+75.87	78.2' LT	MID OF RADIUS
4.04	121+86.81	103.5' LT	BEGIN OF RADIUS
4.05	121+88.44	133.4' LT	END OF CONCRETE
4.06	122+35.56	130.9' LT	BEGIN OF RADIUS
4.07	122+52.69	83.9' LT	MID OF RADIUS
4.08	122+95.42	66.0' LT	END OF RADIUS
4.09	123+69.03	66.0' LT	C&G TAPER POINT
4.10	124+69.03	54.0' LT	C&G TAPER POINT
4.11	123+44.03	30.0' LT	END MEDIAN
4.12	122+44.03	30.0' LT	BEGIN MEDIAN

DATA TABLE			
NUMBER	STATION	OFFSET	DESCRIPTION
4.13	121+39.00	30.0' LT	END MEDIAN
4.14	119+89.00	30.0' LT	MEDIAN TAPER POINT
4.15	119+88.50	20.0' LT	MEDIAN TAPER POINT
4.16	121+39.00	20.0' LT	END MEDIAN
4.17	122+44.03	20.0' LT	BEGIN MEDIAN
4.18	123+44.03	20.0' LT	END MEDIAN
4.19	124+44.53	10.0' LT	MEDIAN TAPER POINT
4.20	122+69.03	10.0' LT	BEGIN MEDIAN
4.21	121+64.00	10.0' LT	END MEDIAN
4.22	120+64.00	10.0' LT	BEGIN MEDIAN
4.23	120+64.00	0.0'	BEGIN MEDIAN
4.24	121+64.00	0.0'	END MEDIAN

DATA TABLE			
NUMBER	STATION	OFFSET	DESCRIPTION
4.25	122+69.03	0.0'	BEGIN MEDIAN
4.26	119+39.00	36.0' RT	C&G TAPER POINT
4.27	121+39.93	36.0' RT	END OF RADIUS
4.28	121+67.96	47.5' RT	MID OF RADIUS
4.29	121+79.92	75.3' RT	BEGIN OF RADIUS
4.30	122+27.99	75.3' RT	END OF CONCRETE
4.31	122+28.08	71.3' RT	BEGIN OF RADIUS
4.32	122+38.99	44.7' RT	MID OF RADIUS
4.33	122+64.88	32.3' RT	END OF RADIUS
4.34	123+69.07	25.0' RT	C&G TAPER POINT

PLAN DETAILS NOTES:

CONCRETE PAVING GRADES PROVIDED AT 25 FOOT INCREMENTS ON WHOLE STATIONS. SUPPLEMENTAL GRADES PROVIDED FOR END OF RADIUS, MID RADIUS, END POINTS, AND TAPER POINTS.

ALL CURB RADII ARE TO FLANGE OF CURB.

ALL ROADWAY DIMENSIONS ARE TO THE FLANGE OF CURB OR JOINT LINE

* ALL ADA PEDESTRIAN CURB RAMPS ARE CONCRETE SIDEWALK, 6-INCH. SEE CURB RAMP DETAILS FOR LAYOUTS, GRADES, AND SLOPES.

KEYNOTES:

1. 12-FT TRAVEL LANE (CONCRETE PAVEMENT 10-INCH)
2. 10-FT TURN LANE (CONCRETE PAVEMENT 10-INCH)
3. 18-FT TWO-WAY LEFT TURN LANE (6" HMA PAVEMENT)
4. 12-FT TURN LANE (CONCRETE PAVEMENT 10-INCH)
5. 10-FT TURN LANE (6" HMA PAVEMENT)
6. 6-FT SHOULDER (6" HMA PAVEMENT)
7. 10-FT SHOULDER (6" HMA PAVEMENT)

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	PLAN DETAILS: CTH B	SHEET 40	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\021201_PD\021201_PD_JTH.DWG
LAYOUT NAME - 4
PLOT DATE : 10/31/2023 2:04 PM
PLOT BY : JARED HALBUR
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

DATA TABLE			
NUMBER	STATION	OFFSET	DESCRIPTION
5.01	126+08.05	26.4' LT	MEDIAN TAPER POINT
5.02	126+33.05	25.7' LT	RAISED MEDIAN
5.03	126+33.05	0.0'	RAISED MEDIAN
5.04	129+00.25	42.7' LT	END OF RADIUS
5.05	129+28.73	53.6' LT	MID OF RADIUS
5.06	129+41.28	81.4' LT	BEGIN OF RADIUS
5.07	129+41.47	87.1' LT	END OF CONCRETE
5.08	130+01.03	81.1' LT	END OF CONCRETE

DATA TABLE			
NUMBER	STATION	OFFSET	DESCRIPTION
5.09	129+96.42	80.2' LT	BEGIN OF RADIUS
5.10	129+88.93	73.8' LT	MID OF RADIUS
5.11	129+90.58	64.1' LT	END/BEGIN OF RADIUS
5.12	130+11.34	47.8' LT	MID OF RADIUS
5.13	130+37.06	42.0' LT	END OF RADIUS
5.14	129+27.30	18.0' LT	TWLTL TAPER POINT
5.15	129+71.32	86.2' LT	END OF CONCRETE
5.16	130+01.17	85.2' LT	END OF CONCRETE

RADIUS POINT TABLE			
NUMBER	STATION	OFFSET	RADIUS
R5.01	129+01.30	-82.69' LT	40' RADIUS
R5.02	129+98.33	-70.38' LT	10' RADIUS
R5.03	130+37.06	-102.00' LT	60' RADIUS

2380

2200

N

JAY MAR ROAD

CTH B / PLOVER RD

ASPHALTIC FLUME

CONCRETE CURB AND GUTTER 30-INCH TYPE A, TYP

CONCRETE MEDIAN SLOPED NOSE

6" HMA PAVMENT (CROWN ROADWAY IN MIDDLE OF TWO-WAY LEFT TURN LANE)

2" ASPHALTIC SURFACE

REJECT CURB AND GUTTER (MEDIAN)

CONCRETE DRIVEWAY, 6-INCH

+2.0% TO -1.5% CHANGE TO OCCUR OVER 50' UNLESS ENGINEER IN FIELD APPROVES ADJUSTMENT

8' MULTI-USE PATH

GRASS TERRACE (TOPSOIL, SEED MIX #40, FERTILIZER TYPE B, PREP FOR LAWN TYPE TURF, AND EROSION MAT URBAN CLASS I TYPE A)

CONCRETE DRIVEWAY, 6-INCH

2351

2301

2201

2251

KEYNOTES:

1. 12-FT TRAVEL LANE (CONCRETE PAVEMENT 10-INCH)
2. 10-FT TURN LANE (CONCRETE PAVEMENT 10-INCH)
3. 18-FT TWO-WAY LEFT TURN LANE (6" HMA PAVEMENT)
4. 12-FT TURN LANE (CONCRETE PAVEMENT 10-INCH)
5. 10-FT TURN LANE (6" HMA PAVEMENT)
6. 6-FT SHOULDER (6" HMA PAVEMENT)
7. 10-FT SHOULDER (6" HMA PAVEMENT)

PLAN DETAILS NOTES:

CONCRETE PAVING GRADES PROVIDED AT 25 FOOT INCREMENTS ON WHOLE STATIONS. SUPPLEMENTAL GRADES PROVIDED FOR END OF RADIUS, MID RADIUS, END POINTS, AND TAPER POINTS.

ALL CURB RADII ARE TO FLANGE OF CURB.

ALL ROADWAY DIMENSIONS ARE TO THE FLANGE OF CURB OR JOINT LINE

* ALL ADA PEDESTRIAN CURB RAMPS ARE CONCRETE SIDEWALK, 6-INCH. SEE CURB RAMP DETAILS FOR LAYOUTS, GRADES, AND SLOPES.

LEGEND:

- DATA POINT
- DRAINAGE PATH
- PROPOSED INLET
- PROPOSED MANHOLE
- PROPOSED ENDWALL
- HMA PAVEMENT
- STAMPING COLORED CONCRETE

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	PLAN DETAILS: CTH B	SHEET 41	E

2200

DATA TABLE			
NUMBER	STATION	OFFSET	DESCRIPTION
6.01	132+02.94	24.0' RT	END OF RADIUS
6.02	132+36.03	36.5' RT	MID OF RADIUS
6.03	132+52.55	67.8' RT	BEGIN OF RADIUS
6.04	132+52.84	70.1' RT	END OF CONCRETE
6.05	132+87.03	71.0' RT	BEGIN OF RADIUS
6.06	133+02.74	37.5' RT	MID OF RADIUS
6.07	133+36.95	24.0' RT	END OF RADIUS

DATA TABLE			
NUMBER	STATION	OFFSET	DESCRIPTION
6.08	133+80.80	42.0' LT	END OF RADIUS
6.09	134+09.08	53.7' LT	MID OF RADIUS
6.10	134+20.80	83.0' LT	BEGIN OF RADIUS
6.11	134+65.80	83.1' LT	BEGIN OF RADIUS
6.12	134+77.69	53.7' LT	MID OF RADIUS
6.13	135+06.29	42.1' LT	END OF RADIUS
6.14	134+96.86	18.0' LT	TWTL TAPER POINT

2130

DATA TABLE			
NUMBER	STATION	OFFSET	DESCRIPTION
6.15	134+20.80	91.1' LT	END OF CONCRETE
6.16	134+43.30	91.9' LT	END OF CONCRETE
6.17	134+65.80	92.6' LT	END OF CONCRETE

2110

N

JAY MAR ROAD

6.15 1080.19 · 6.16 1080.24 · 6.17 1080.31 · R6.03 · R6.04 · 6.10 1080.38 · 6.11 1080.51 · 6.09 1080.92 · 6.12 1081.14 · 6.08 1081.47 · 6.13 1081.79

23' · 22' · 1080.44 · 1080.99 · 1081.51

CONCRETE CURB AND GUTTER 30-INCH TYPE A, TYP

6" HMA PAVMENT (CROWN ROADWAY IN MIDDLE OF TWO-WAY LEFT TURN LANE)

CTH B / PLOVER RD

6.14 1082.22

6.01 1082.22 · 6.02 1081.78 · 6.03 1081.40 · 6.04 1081.36 · 6.05 1081.58 · 6.06 1081.76 · 6.07 1081.58

19' · 16' · 15.5'

GRASS TERRACE (TOPSOIL, SEED MIX #40, FERTILIZER TYPE B, PREP FOR LAWN TYPE TURF, AND EROSION MAT URBAN CLASS I TYPE A)

R6.01 · R6.02

2201

IBER LANE

8' MULTI-USE PATH

GRASS TERRACE (TOPSOIL, SEED MIX #40, FERTILIZER TYPE B, PREP FOR LAWN TYPE TURF, AND EROSION MAT URBAN CLASS I TYPE A) [TERRACE WIDTH VARIES, SEE CROSS SECTIONS FOR MORE DETAILS]

CONCRETE DRIVEWAY, 6-INCH

2001

2131

RADIUS POINT TABLE			
NUMBER	STATION	OFFSET	RADIUS
R6.01	132+02.94	74.00' RT	50' RADIUS
R6.02	133+36.95	74.00' RT	50' RADIUS
R6.03	133+80.80	-82.00' LT	40' RADIUS
R6.04	135+05.80	-82.11' LT	40' RADIUS

LEGEND:

- DATA POINT
- DRAINAGE PATH
- PROPOSED INLET
- PROPOSED MANHOLE
- PROPOSED ENDWALL
- HMA PAVEMENT
- STAMPING COLORED CONCRETE

PLAN DETAILS NOTES:

CONCRETE PAVING GRADES PROVIDED AT 25 FOOT INCREMENTS ON WHOLE STATIONS. SUPPLEMENTAL GRADES PROVIDED FOR END OF RADIUS, MID RADIUS, END POINTS, AND TAPER POINTS.

ALL CURB RADII ARE TO FLANGE OF CURB.

ALL ROADWAY DIMENSIONS ARE TO THE FLANGE OF CURB OR JOINT LINE

* ALL ADA PEDESTRIAN CURB RAMPS ARE CONCRETE SIDEWALK, 6-INCH. SEE CURB RAMP DETAILS FOR LAYOUTS, GRADES, AND SLOPES.

KEYNOTES:

1. 12-FT TRAVEL LANE (CONCRETE PAVEMENT 10-INCH)
2. 10-FT TURN LANE (CONCRETE PAVEMENT 10-INCH)
3. 18-FT TWO-WAY LEFT TURN LANE (6" HMA PAVEMENT)
4. 12-FT TURN LANE (CONCRETE PAVEMENT 10-INCH)
5. 10-FT TURN LANE (6" HMA PAVEMENT)
6. 6-FT SHOULDER (6" HMA PAVEMENT)
7. 10-FT SHOULDER (6" HMA PAVEMENT)

NUMBER
7.01
7.02

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	PLAN DETAILS: CTH B	SHEET PP6	42	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\021201_PD\021201_PD_ITH.DWG
LAYOUT NAME - 6

PLOT DATE : 10/31/2023 2:04 PM · PLOT BY : JARED HALBUR · PLOT NAME : · PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

PLAN DETAILS NOTES:

CONCRETE PAVING GRADES PROVIDED AT 25 FOOT INCREMENTS ON WHOLE STATIONS. SUPPLEMENTAL GRADES PROVIDED FOR END OF RADIUS, MID RADIUS, END POINTS, AND TAPER POINTS.

ALL CURB RADII ARE TO FLANGE OF CURB.

ALL ROADWAY DIMENSIONS ARE TO THE FLANGE OF CURB OR JOINT LINE

* ALL ADA PEDESTRIAN CURB RAMPS ARE CONCRETE SIDEWALK, 6-INCH. SEE CURB RAMP DETAILS FOR LAYOUTS, GRADES, AND SLOPES.

2010

JAY MAR ROAD

REJECT CURB AND GUTTER (MEDIAN), TYP

CONCRETE CURB AND GUTTER 30-INCH TYPE A, TYP

2" ASPHALTIC SURFACE

CONCRETE MEDIAN SLOPED NOSE

TRANSITION 30" CURB AND GUTTER TO 18" CURB AND GUTTER

6" ASPHALTIC SURFACE

MEDIAN TO REMAIN

CONCRETE SIDEWALK, 4-INCH

MEDIAN TO REMAIN

MILL 2" OF EXISTING ASPHALT
PAVE 2" OF HMA PAVEMENT

MEDIAN TO REMAIN

1900

36'

24'

EXISTING CULVERT TO REMAIN
(SHALLOW DEPTH)

MEDIAN TO REMAIN

6' CONCRETE SIDEWALK, 4-INCH

N

7.01 1083.62
7.02 1084.16
7.03 1083.34
7.04 1084.10
7.05 1084.71
7.06 1084.84
7.07 1084.01
7.08 1083.47
7.09 1083.34
7.10 1082.99
7.11 1083.28
7.12 1084.02

8.01
8.08
8.09

1084.09 1081.79 1082.40
1084.13 1081.70 1082.31

HP

MEDIAN TO REMAIN

TURN LANE TO REMAIN

MEDIAN TO REMAIN

MEDIAN TO REMAIN

CTH B / PLOVER RD

TURN LANE TO REMAIN

MEDIAN TO REMAIN

137 138 139 140 141 142 143

+74.9, 0.5

8' MULTI-USE PATH

GRASS TERRACE
(TOPSOIL, SEED MIX #40, FERTILIZER TYPE B, PREP FOR LAWN TYPE TURF, AND EROSION MAT URBAN CLASS I TYPE A)

+2% TO -1.5% CHANGE TO OCCUR OVER 50' UNLESS ENGINEER IN FIELD APPROVES ADJUSTMENT

6" ASPHALTIC SURFACE

END PROJECT 6767-01-71
BEGIN PROJECT 6767-02-71
STA 139+71
SAWCUT REQ'D

MEDIAN TO REMAIN

CONNECT TO EXISTING MULTI-USE PATH

R7.01

MILL 2" OF EXISTING ASPHALT
PAVE 2" OF HMA PAVEMENT

MEDIAN TO REMAIN

STATION, OFFSET
CURB AND GUTTER REPLACEMENT, TYP

1901

25'

36'

HOOVER AVENUE

2001

PLAN DETAILS NOTES:

VERIFY SPOT ELEVATIONS AT CURB FLANGE LINE. ENGINEER IN FIELD TO MODIFY IF FIELD CONDITIONS VARY. VERIFY EXISTING LOW POINTS AND CONFIRM FLANGE LINE DRAINS APPROPRIATELY.

DATA TABLE

NUMBER	STATION	OFFSET	DESCRIPTION
7.01	138+73.41	48.7' LT	C&G TAPER POINT
7.02	139+96.54	61.3' LT	C&G TAPER POINT
7.03	137+20.09	20.7' LT	RAISED MEDIAN
7.04	138+73.62	24.7' LT	MEDIAN TAPER POINT
7.05	140+89.29	25.1' LT	END OF MEDIAN
7.06	140+88.65	1.0' RT	END OF MEDIAN
7.07	138+95.32	18.0' LT	MEDIAN TAPER POINT
7.08	137+45.34	0.0'	MEDIAN TAPER POINT
7.09	137+20.34	0.0'	RAISED MEDIAN
7.10	137+44.91	24.0' RT	C&G TAPER POINT
7.11	138+51.75	36.0' RT	C&G TAPER POINT
7.12	139+70.97	36.7' RT	C&G TAPER POINT

RADIUS POINT TABLE

NUMBER	STATION	OFFSET	RADIUS
R7.01	139+95.69	111.00' RT	61' RADIUS

LEGEND:

- DATA POINT
- DRAINAGE PATH
- PROPOSED INLET
- PROPOSED MANHOLE
- PROPOSED ENDWALL
- HMA PAVEMENT
- STAMPING COLORED CONCRETE

KEYNOTES:

1. 12-FT TRAVEL LANE (CONCRETE PAVEMENT 10-INCH)
2. 10-FT TURN LANE (CONCRETE PAVEMENT 10-INCH)
3. 18-FT TWO-WAY LEFT TURN LANE (6" HMA PAVEMENT)
4. 12-FT TURN LANE (CONCRETE PAVEMENT 10-INCH)
5. 10-FT TURN LANE (6" HMA PAVEMENT)
6. 6-FT SHOULDER (6" HMA PAVEMENT)
7. 10-FT SHOULDER (6" HMA PAVEMENT)

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	PLAN DETAILS: CTH B	SHEET 43	E

2

2010

1900

N

CURB AND GUTTER TO REMAIN

CURB AND GUTTER TO REMAIN

MILL 2" OF EXISTING ASPHALT
PAVE 2" OF HMA PAVEMENT

6' CONCRETE SIDEWALK, 4-INCH

DATA TABLE SHOWN ON PREVIOUS PAGE, TYP

CONNECT TO EXISTING
PEDESTRIAN CURB RAMP

8.01 8.02 8.03 8.04 8.05 8.06 8.07 8.08 8.09 8.10 8.11

1084.09 1081.79 1082.40 1082.60 1082.55 1082.04 1082.15 1083.15
1084.13 1081.70 1082.31 1082.46 1081.95 1082.06 1083.06

VILLAGE OF PLOVER IRRIGATION LINE
DEACTIVATED / ABANDONED WEST
OF HOOVER AVENUE INTERSECTION

VILLAGE OF PLOVER
IRRIGATION LINE TO REMAIN

7.02
1084.16

7.05
1084.71

7.06
1084.84

7.07
1084.01

7.12
1084.02

MEDIAN TO REMAIN

TURN LANE TO REMAIN

CTH B / PLOVER RD

+57.1, -21.0

+92.4, -24.9

+44.9, 0.1

+82.6, -4.1

STATION, OFFSET
CURB AND GUTTER REPLACEMENT, TYP

EXISTING HMA MULTI-USE PATH

END PROJECT 6767-01-71
BEGIN PROJECT 6767-02-71
STA 139+71
SAWCUT REQ'D

CONNECT TO EXISTING MULTI-USE PATH

R7.01

CURB AND GUTTER TO REMAIN

MILL 2" OF EXISTING ASPHALT
PAVE 2" OF HMA PAVEMENT

HOOVER AVENUE

2001

1901

LEGEND:

- DATA POINT
- DRAINAGE PATH
- PROPOSED INLET
- PROPOSED MANHOLE
- PROPOSED ENDWALL
- HMA PAVEMENT
- STAMPING COLORED CONCRETE

PLAN DETAILS NOTES:

CONCRETE PAVING GRADES PROVIDED AT 25 FOOT INCREMENTS ON WHOLE STATIONS. SUPPLEMENTAL GRADES PROVIDED FOR END OF RADIUS, MID RADIUS, END POINTS, AND TAPER POINTS.

ALL CURB RADII ARE TO FLANGE OF CURB.

ALL ROADWAY DIMENSIONS ARE TO THE FLANGE OF CURB OR JOINT LINE

* ALL ADA PEDESTRIAN CURB RAMPS ARE CONCRETE SIDEWALK, 6-INCH. SEE CURB RAMP DETAILS FOR LAYOUTS, GRADES, AND SLOPES.

KEYNOTES:

1. 12-FT TRAVEL LANE (CONCRETE PAVEMENT 10-INCH)
2. 10-FT TURN LANE (CONCRETE PAVEMENT 10-INCH)
3. 18-FT TWO-WAY LEFT TURN LANE (6" HMA PAVEMENT)
4. 12-FT TURN LANE (CONCRETE PAVEMENT 10-INCH)
5. 10-FT TURN LANE (6" HMA PAVEMENT)
6. 6-FT SHOULDER (6" HMA PAVEMENT)
7. 10-FT SHOULDER (6" HMA PAVEMENT)

PLAN DETAILS NOTES:

VERIFY SPOT ELEVATIONS AT CURB FLANGE LINE. ENGINEER IN FIELD TO MODIFY IF FIELD CONDITIONS VARY. VERIFY EXISTING LOW POINTS AND CONFIRM FLANGE LINE DRAINS APPROPRIATELY.

DATA TABLE

NUMBER	STATION	OFFSET	DESCRIPTION
8.01	141+96.12	95.6' LT	BEGIN SIDEWALK
8.02	143+61.44	95.3' LT	SIDEWALK TAPER POINT
8.03	144+11.70	100.2' LT	SIDEWALK TAPER POINT
8.04	145+80.69	99.7' LT	END SIDEWALK
8.05	145+80.66	93.7' LT	END SIDEWALK
8.06	144+11.99	94.2' LT	SIDEWALK TAPER POINT
8.07	143+61.98	89.3' LT	SIDEWALK TAPER POINT
8.08	141+96.86	89.6' LT	BEGIN SIDEWALK
8.09	142+53.26	61.6' LT	TURN LANE TAPER POINT
8.10	143+70.72	61.1' LT	TURN LANE TAPER POINT
8.11	144+25.94	56.1' LT	TURN LANE TAPER POINT

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	PLAN DETAILS: CTH B	SHEET 44	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\021201_PD\021201_PD_JTH.DWG
LAYOUT NAME - 8
PLOT DATE : 10/31/2023 2:05 PM PLOT BY : JARED HALBUR PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

CONNECT TO EXISTING SIDEWALK
ENGINEER IN FIELD MY ADJUST
GRADE TO ACHIEVE BETTER FIELD
FIT TO EXISTING TERRAIN

1830

ARTIST & FARE
PLAZA ENTRANCE

1810

1770

N

6' CONCRETE SIDEWALK, 4-INCH

EXISTING CONCRETE SIDEWALK

8.04
8.05

1083.15 1084.15 1084.75 1084.85 1084.89
1083.06 1084.06 1084.74 1084.70 1084.29

RESTORE SHOULDER MATERIAL
(NO ROADWAY WORK OTHER THAN CURB RAMP CONNECTION)

RESTORE SHOULDER MATERIAL
(NO ROADWAY WORK OTHER THAN CURB RAMP CONNECTION)

VILLAGE OF PLOVER
IRRIGATION LINE TO REMAIN

VILLAGE OF PLOVER
IRRIGATION LINE TO REMAIN

9.01 9.02 9.03 9.04

1085.14 1085.20 1085.25 1085.30 1085.35 1085.40 1085.46 1085.51 1085.55 1085.60 1085.65 1085.71 1085.76 1085.81 1085.86 1085.91 1085.96 1086.01 1086.06 1086.11 1086.17 1086.22 1086.27 1086.32 1086.37

1085.38 1085.44 1085.49 1085.54 1085.59 2.0% 1085.64 1085.69 1085.74 1085.79 1085.84 1085.89 1085.95 1086.00 1086.05 1086.10 1086.15 1086.20 1086.25 1086.30 1086.35 1086.41 1086.46 1086.51 1086.56 1086.61

2.4, -24.9 +81.0, -25.9 +05.9, -23.9

1085.62 1085.67 1085.72 1085.77 1085.83 1085.88 1085.93 1085.98 1086.03 1086.08 1086.13 1086.18 1086.24 1086.29 1086.34 1086.39 1086.44 1086.49 1086.54 1086.59 1086.64 1086.70 1086.75 1086.80 1086.85

+13.7, -16.6

+24.1, -26.0 +57.9, -11.4 +91.2, -12.0 MEDIAN TO REMAIN

+10.5, -14.0

1085.74 1086.24 1086.28 1086.18 1086.16 1086.24 1086.26 1086.49 1086.45 1086.31 1086.21 1086.17 1085.99 1086.59 1086.37 1086.86 1086.85 1086.71 1086.81 1086.98 1086.96 1087.00 1087.01

+92.7, -11.9

+05.9, -6.6 +27.1, 0.0 +27.1, -14.0 MEDIAN TO REMAIN +56.3, 0.0 +94.6, -3.9

1085.91 1086.86 1086.85 1086.99

1085.66 1085.71 1085.76 1085.81 1085.86 1085.91 1085.96 1086.02 1086.07 1086.12 1086.17 1086.22 1086.27 1086.32 1086.37 1086.42 1086.47 1086.52 1086.57 1086.62 1086.67 1086.72 1086.77 1086.82 1086.87

-4.1 145 146 147 148 149 150 151

1085.42 1085.47 1085.52 1085.57 1085.62 2.0% 1085.67 1085.72 1085.77 1085.82 1085.87 1085.92 1085.97 1086.02 1086.07 1086.12 1086.17 1086.22 1086.28 1086.33 1086.38 1086.43 1086.48 1086.53 1086.58 1086.63

CTH B / PLOVER RD

1085.18 1085.23 1085.28 1085.33 1085.38 2.0% 1085.43 1085.48 1085.53 1085.58 1085.63 1085.68 1085.73 1085.78 1085.83 1085.88 1085.93 1085.98 1086.04 1086.09 1086.14 1086.19 1086.24 1086.28 1086.34 1086.39

9.06 1085.42
9.10 1085.54
9.11
9.05
9.07 1085.21
9.08 1084.92
9.09 1084.87

R9.01

EXISTING HMA MULTI-USE PATH

CONCRETE CURB AND GUTTER
30-INCH TYPE D

MENARDS DRIVE

NEW ISLAND. MATCH EXISTING SHAPE AND
GRADES. SEE CONSTRUCTION DETAILS.

STATION, OFFSET
CURB AND GUTTER REPLACEMENT, TYP

EXISTING SIGN BRIDGE TO REMAIN

EXISTING HMA MULTI-USE PATH

1825

1845

1901

RADIUS POINT TABLE			
NUMBER	STATION	OFFSET	RADIUS
R9.01	146+97.26	77.57' RT	40' RADIUS

PLAN DETAILS NOTES:

VERIFY SPOT ELEVATIONS AT CURB FLANGE LINE. ENGINEER IN FIELD TO MODIFY IF FIELD CONDITIONS VARY. VERIFY EXISTING LOW POINTS AND CONFIRM FLANGE LINE DRAINS APPROPRIATELY.

PLAN DETAILS NOTES:

CONCRETE PAVING GRADES PROVIDED AT 25 FOOT INCREMENTS ON WHOLE STATIONS. SUPPLEMENTAL GRADES PROVIDED FOR END OF RADIUS, MID RADIUS, END POINTS, AND TAPER POINTS.

ALL CURB RADII ARE TO FLANGE OF CURB.

ALL ROADWAY DIMENSIONS ARE TO THE FLANGE OF CURB OR JOINT LINE

* ALL ADA PEDESTRIAN CURB RAMPS ARE CONCRETE SIDEWALK, 6-INCH. SEE CURB RAMP DETAILS FOR LAYOUTS, GRADES, AND SLOPES.

DATA TABLE			
NUMBER	STATION	OFFSET	DESCRIPTION
9.01	146+40.17	56.1' LT	SHOULDER TAPER POINT
9.02	146+93.13	62.1' LT	SHOULDER TAPER POINT
9.03	149+03.16	60.0' LT	SHOULDER TAPER POINT
9.04	149+53.07	56.0' LT	SHOULDER TAPER POINT
9.05	146+33.55	34.2' RT	SHOULDER TAPER POINT
9.06	146+97.07	37.3' RT	END OF RADIUS
9.07	147+26.28	50.0' RT	MID OF RADIUS

DATA TABLE			
NUMBER	STATION	OFFSET	DESCRIPTION
9.08	147+37.04	72.2' RT	BEGIN OF RADIUS
9.09	147+37.29	77.2' RT	C&G END
9.10	148+09.95	36.6' RT	END OF RADIUS
9.11	148+48.10	30.2' RT	SHOULDER TAPER POINT

LEGEND:

- DATA POINT
- DRAINAGE PATH
- PROPOSED INLET
- PROPOSED MANHOLE
- PROPOSED ENDWALL
- HMA PAVEMENT
- STAMPING COLORED CONCRETE

KEYNOTES:

1. 12-FT TRAVEL LANE (CONCRETE PAVEMENT 10-INCH)
2. 10-FT TURN LANE (CONCRETE PAVEMENT 10-INCH)
3. 18-FT TWO-WAY LEFT TURN LANE (6" HMA PAVEMENT)
4. 12-FT TURN LANE (CONCRETE PAVEMENT 10-INCH)
5. 10-FT TURN LANE (6" HMA PAVEMENT)
6. 6-FT SHOULDER (6" HMA PAVEMENT)
7. 10-FT SHOULDER (6" HMA PAVEMENT)

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	PLAN DETAILS: CTH B	SHEET 45	E

DATA TABLE			
NUMBER	STATION	OFFSET	DESCRIPTION
10.01	153+28.21	56.1' LT	SHOULDER TAPER POINT
10.02	153+92.28	61.6' LT	END OF RADIUS
10.03	154+19.25	72.3' LT	MID OF RADIUS
10.04	154+37.77	110.0' LT	BEGIN OF RADIUS
10.05	154+37.87	114.5' LT	C&G END
10.06	154+93.41	113.4' LT	BEGIN OF RADIUS
10.07	155+05.95	78.6' LT	MID OF RADIUS
10.08	155+41.15	61.9' LT	END OF RADIUS

DATA TABLE			
NUMBER	STATION	OFFSET	DESCRIPTION
10.09	156+51.90	61.3' LT	SHOULDER TAPER POINT
10.10	157+05.51	57.6' LT	SHOULDER TAPER POINT
10.11	151+30.75	30.1' RT	SHOULDER TAPER POINT
10.12	156+19.62	29.1' RT	SHOULDER TAPER POINT

1770 1760 2900 1825 1805 3001

N

R10.01 R10.02

10.05 1085.97 10.04 1085.94 10.06 1085.97

CONCRETE CURB AND GUTTER 30-INCH TYPE D

EXISTING CONCRETE SIDEWALK

VILLAGE OF PLOVER IRRIGATION LINE TO REMAIN

10.02 1086.79 10.03 1086.40 10.07 1086.51 10.08 1087.19

MEDIAN TO REMAIN

10.01 10.09 10.10

1086.68 1086.79 1086.76 1086.88

1086.37 1086.42 1086.47 1086.52 1086.57 1086.63 1086.68 1086.73 1086.78 1086.83 1086.88 1086.94 1086.99 1087.03 1087.08 1087.13 1087.18 1087.23 1087.28 1087.33 1087.38 1087.42 1087.47 1087.52 1087.57

1086.61 1086.66 1086.71 1086.76 1086.81 1086.87 1086.92 1086.97 1087.02 1087.07 1087.12 1087.18 1087.23 1087.27 1087.32 1087.37 1087.42 1087.47 1087.52 1087.57 1087.62 1087.66 1087.71 1087.76 1087.81

+37.0, -24.8 +82.1, -26.0 +99.0, -25.2

1086.85 1086.90 1086.95 1087.00 1087.05 1087.11 1087.16 1087.21 1087.26 1087.31 1087.36 1087.41 1087.46 1087.52 1087.57 1087.62 1087.67 1087.72 1087.77 1087.82 1087.87 1087.92 1087.98 1088.03 1088.08

1087.01 1087.22 1087.70 1087.61 1087.66 1087.60 1087.94 1087.80 1087.98 1088.10 1088.06 1087.89

+50.8, -25.8 +99.3, -12.2 +09.4, -13.2 +23.6, -0.1 +50.0, -0.4 +75.0, -0.7 +00.0, -0.9 +25.0, -1.1 +50.0, -1.2 +75.0, -1.5 +00.0, -1.7

+94.6, -3.9 +98.6, -18.7 +09.7, -8.0 +06.8, -3.6

.85 1086.99 1087.20 1087.22 1086.86 1086.86 1087.32 1087.43 1087.42 1087.13 1087.38 1087.46 1087.50 1087.50 1087.75 1087.80

1086.87 1086.92 1086.97 1087.02 1087.07 1087.12 1087.18 1087.23 1087.28 1087.33 1087.38 1087.43 1087.48 1087.53 1087.58 1087.63 1087.68 1087.73 1087.78 1087.83 1087.88 1087.93 1087.98 1088.03 1088.08

151 152 153 154 155 +14.6, -0.5 156 157

1086.63 1086.68 1086.73 1086.78 1086.83 1086.88 1086.93 1086.98 1087.03 1087.08 1087.13 1087.18 1087.23 1087.28 1087.33 1087.39 1087.44 1087.48 1087.53 1087.58 1087.63 1087.68 1087.73 1087.78 1087.83

CTH B / PLOVER RD

1086.39 1086.44 1086.49 1086.54 1086.59 1086.64 1086.69 1086.74 1086.80 1086.85 1086.90 1086.94 1086.99 1087.04 1087.09 1087.15 1087.20 1087.25 1087.30 1087.35 1087.40 1087.45 1087.50 1087.55 1087.60

10.11 10.12

STATION, OFFSET
CURB AND GUTTER REPLACEMENT, TYP

EXISTING MULTI-USE PATH

VILLAGE PARK DRIVE

PLAN DETAILS NOTES:

CONCRETE PAVING GRADES PROVIDED AT 25 FOOT INCREMENTS ON WHOLE STATIONS. SUPPLEMENTAL GRADES PROVIDED FOR END OF RADIUS, MID RADIUS, END POINTS, AND TAPER POINTS.

ALL CURB RADII ARE TO FLANGE OF CURB.

ALL ROADWAY DIMENSIONS ARE TO THE FLANGE OF CURB OR JOINT LINE

* ALL ADA PEDESTRIAN CURB RAMPS ARE CONCRETE SIDEWALK, 6-INCH. SEE CURB RAMP DETAILS FOR LAYOUTS, GRADES, AND SLOPES.

PLAN DETAILS NOTES:

VERIFY SPOT ELEVATIONS AT CURB FLANGE LINE. ENGINEER IN FIELD TO MODIFY IF FIELD CONDITIONS VARY. VERIFY EXISTING LOW POINTS AND CONFIRM FLANGE LINE DRAINS APPROPRIATELY.

RADIUS POINT TABLE			
NUMBER	STATION	OFFSET	RADIUS
R10.01	153+87.79	-111.40' LT	50' RADIUS
R10.02	155+42.40	-111.98' LT	50' RADIUS

LEGEND:

- DATA POINT
- DRAINAGE PATH
- PROPOSED INLET
- PROPOSED MANHOLE
- PROPOSED ENDWALL
- HMA PAVEMENT
- STAMPING COLORED CONCRETE

KEYNOTES:

1. 12-FT TRAVEL LANE (CONCRETE PAVEMENT 10-INCH)
2. 10-FT TURN LANE (CONCRETE PAVEMENT 10-INCH)
3. 18-FT TWO-WAY LEFT TURN LANE (6" HMA PAVEMENT)
4. 12-FT TURN LANE (CONCRETE PAVEMENT 10-INCH)
5. 10-FT TURN LANE (6" HMA PAVEMENT)
6. 6-FT SHOULDER (6" HMA PAVEMENT)
7. 10-FT SHOULDER (6" HMA PAVEMENT)

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	PLAN DETAILS: CTH B	SHEET 46	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\021201_PD\021201_PD_ITH.DWG
LAYOUT NAME - 10
PLOT DATE : 10/31/2023 2:06 PM PLOT BY : JARED HALBUR PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

2900

1550

1540

1501

N

DATA TABLE SHOWN ON PREVIOUS PAGE

VILLAGE OF PLOVER
IRRIGATION LINE TO REMAIN

STATION, OFFSET
CURB AND GUTTER REPLACEMENT, TYP

MEDIAN TO REMAIN

CTH B / PLOVER RD

BEGIN TAPER FOR TURN LANE
160+61, 24' RT

ASPHALT SHOULDER ENDS
161+76, 30' RT

END TAPER FOR TURN LANE
162+94, 36' RT

EXISTING SIGN BRIDGE TO REMAIN

3001

1745

1765

KEYNOTES:

1. 12-FT TRAVEL LANE (CONCRETE PAVEMENT 10-INCH)
2. 10-FT TURN LANE (CONCRETE PAVEMENT 10-INCH)
3. 18-FT TWO-WAY LEFT TURN LANE (6" HMA PAVEMENT)
4. 12-FT TURN LANE (CONCRETE PAVEMENT 10-INCH)
5. 10-FT TURN LANE (6" HMA PAVEMENT)
6. 6-FT SHOULDER (6" HMA PAVEMENT)
7. 10-FT SHOULDER (6" HMA PAVEMENT)

PLAN DETAILS NOTES:

CONCRETE PAVING GRADES PROVIDED AT 25 FOOT INCREMENTS ON WHOLE STATIONS. SUPPLEMENTAL GRADES PROVIDED FOR END OF RADIUS, MID RADIUS, END POINTS, AND TAPER POINTS.

ALL CURB RADII ARE TO FLANGE OF CURB.

ALL ROADWAY DIMENSIONS ARE TO THE FLANGE OF CURB OR JOINT LINE

* ALL ADA PEDESTRIAN CURB RAMPS ARE CONCRETE SIDEWALK, 6-INCH. SEE CURB RAMP DETAILS FOR LAYOUTS, GRADES, AND SLOPES.

LEGEND:

- DATA POINT
- DRAINAGE PATH
- PROPOSED INLET
- PROPOSED MANHOLE
- PROPOSED ENDWALL
- HMA PAVEMENT
- STAMPING COLORED CONCRETE

PLAN DETAILS NOTES:

VERIFY SPOT ELEVATIONS AT CURB FLANGE LINE. ENGINEER IN FIELD TO MODIFY IF FIELD CONDITIONS VARY. VERIFY EXISTING LOW POINTS AND CONFIRM FLANGE LINE DRAINS APPROPRIATELY.

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	PLAN DETAILS: CTH B	SHEET 47	E

2

N

1501

IH39 SB OFF RAMP

EXISTING FLOCK CAMERA
TO BE MOVED BY OTHERS

END CONCRETE TAPER
163+33, 50' LT

VILLAGE OF PLOVER
IRRIGATION LINE TO REMAIN

BEGIN CONCRETE TAPER /
ASPHALT SHOULDER
164+35, 60' LT
(MATCH EXISTING C&G)

+72.4, -72.3

+35.9, -63.1

ASPHALTIC SURFACE PATCHING

CONCRETE CURB AND GUTTER
30-INCH TYPE D, TYP

6

1088.83 1088.88 1088.90 1088.90 1088.90 1089.00

1088.93 1088.98 1089.03 1089.08 1089.09

1 1089.07 1089.12 1089.17 1089.22 1089.27 1089.32 1089.35

1 1089.31 1089.36 1089.41 1089.46 1089.51 1089.56 1089.59

+00.0, -0.4 +25.0, -0.4 +50.0, -0.4 +75.0, -0.3 +00.0, -0.3 +35.9, -25.9

1089.29 1089.34 1089.39 1089.44 1089.50 1089.54 1089.54

163 164 165

1 1089.05 1089.10 1089.15 1089.20 1089.25 1089.35

1 1088.81 1088.86 1088.91 1088.96 1089.01 1089.17

4 1088.57 1088.62 1088.67 1088.72 1088.77 1088.98

END PROJECT 6767-02-71
STA 164+24
MATCH EXISTING

166 167 168 169

CTH B / PLOVER RD

STATION, OFFSET
CURB AND GUTTER REPLACEMENT, TYP

END TURN LANE
164+24, 36' RT
(MATCH EXISTING C&G)

1765

IH39 SB ON RAMP

PLAN DETAILS NOTES:

VERIFY SPOT ELEVATIONS AT CURB FLANGE LINE. ENGINEER IN FIELD TO MODIFY IF FIELD CONDITIONS VARY. VERIFY EXISTING LOW POINTS AND CONFIRM FLANGE LINE DRAINS APPROPRIATELY.

LEGEND:

- DATA POINT
- DRAINAGE PATH
- PROPOSED INLET
- PROPOSED MANHOLE
- PROPOSED ENDWALL
- HMA PAVEMENT
- STAMPING COLORED CONCRETE

PLAN DETAILS NOTES:

CONCRETE PAVING GRADES PROVIDED AT 25 FOOT INCREMENTS ON WHOLE STATIONS. SUPPLEMENTAL GRADES PROVIDED FOR END OF RADIUS, MID RADIUS, END POINTS, AND TAPER POINTS.

ALL CURB RADII ARE TO FLANGE OF CURB.

ALL ROADWAY DIMENSIONS ARE TO THE FLANGE OF CURB OR JOINT LINE

* ALL ADA PEDESTRIAN CURB RAMPS ARE CONCRETE SIDEWALK, 6-INCH. SEE CURB RAMP DETAILS FOR LAYOUTS, GRADES, AND SLOPES.

KEYNOTES:

1. 12-FT TRAVEL LANE (CONCRETE PAVEMENT 10-INCH)
2. 10-FT TURN LANE (CONCRETE PAVEMENT 10-INCH)
3. 18-FT TWO-WAY LEFT TURN LANE (6" HMA PAVEMENT)
4. 12-FT TURN LANE (CONCRETE PAVEMENT 10-INCH)
5. 10-FT TURN LANE (6" HMA PAVEMENT)
6. 6-FT SHOULDER (6" HMA PAVEMENT)
7. 10-FT SHOULDER (6" HMA PAVEMENT)

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	PLAN DETAILS: CTH B	SHEET 48	E

2

WISCONSIN AVENUE

MADISON AVENUE

N

LITTLE WOLF EXPRESS
LUBE
EGS PROPERTIES LLC
2900 WISCONSIN AVE

PLOVER MOTOR
SPORTS
BENJAMIN SOLEM
2540 PLOVER RD

BY THE ROOT
BEAVER CONSTRUCTION OF AMHERST LLC
2530 PLOVER RD

EXISTING INLET

EXISTING INLET

EXISTING INLET

105 106 107 108 109

CTH B

EXISTING INLET

EXISTING INLET

BEGIN PROJECT 6767-01-71
STA 104+90

SUBWAY
2551 PLOVER RD

WISCONSIN AVENUE

MADISON AVENUE

NOTES:

INSTALL EROSION MAT IN LIEU OF MULCH ON ALL SLOPES.

TRACKING PAD(S) SHALL BE INSTALLED FOR ANY EQUIPMENT OPERATING ON SOIL BEFORE LEAVING THE SITE.

IMMEDIATELY STABILIZE STOCKPILES AND SURROUND STOCKPILE AS NEEDED WITH SILT FENCE OR OTHER PERIMETER CONTROL IF STOCKPILE WILL REMAIN INACTIVE FOR 7 DAYS OR LONGER.

FINISHING ITEMS FOR TOPSOIL, SEED, FERTILIZER, PREP FOR LAWN TYPE TURF, AND EROSION MAT ARE SHOWN ON TYPICAL SECTIONS.

WHEN THE PLANS SHOW TWO INLET PROTECTION TYPES TOGETHER, USE TYPE A INLET PROTECTION DURING GRADING OPERATIONS.

ALL EXISTING INLETS WITHIN THE PROJECT LIMITS SHALL RECEIVE INLET PROTECTION.

THE FIRST SET OF EXISTING INLETS DOWNSTREAM OF THE CONSTRUCTION LIMITS SHALL RECEIVE INLET PROTECTION.

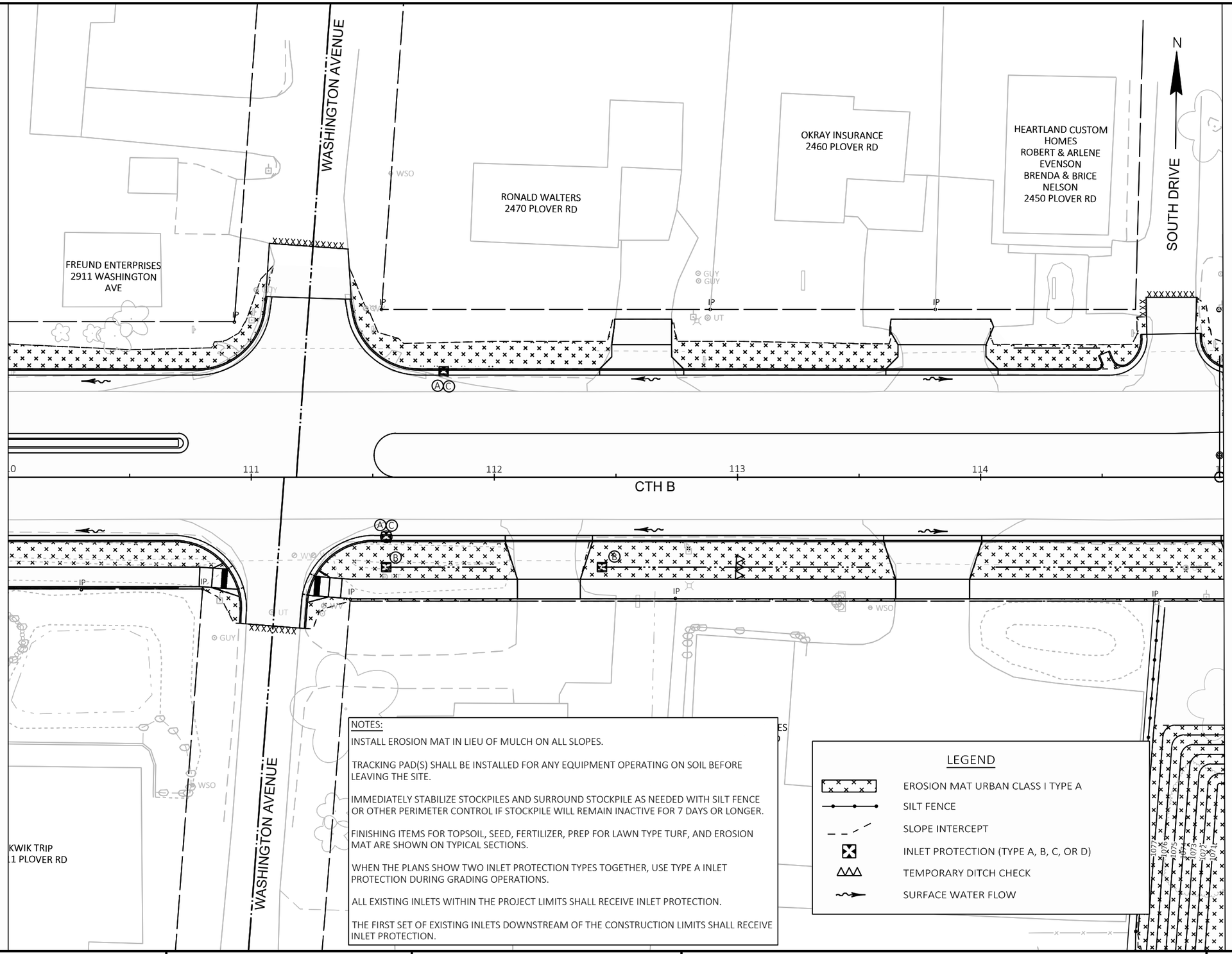
LEGEND

- EROSION MAT URBAN CLASS I TYPE A
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION (TYPE A, B, C, OR D)
- TEMPORARY DITCH CHECK
- SURFACE WATER FLOW

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	EROSION CONTROL	SHEET 49	E

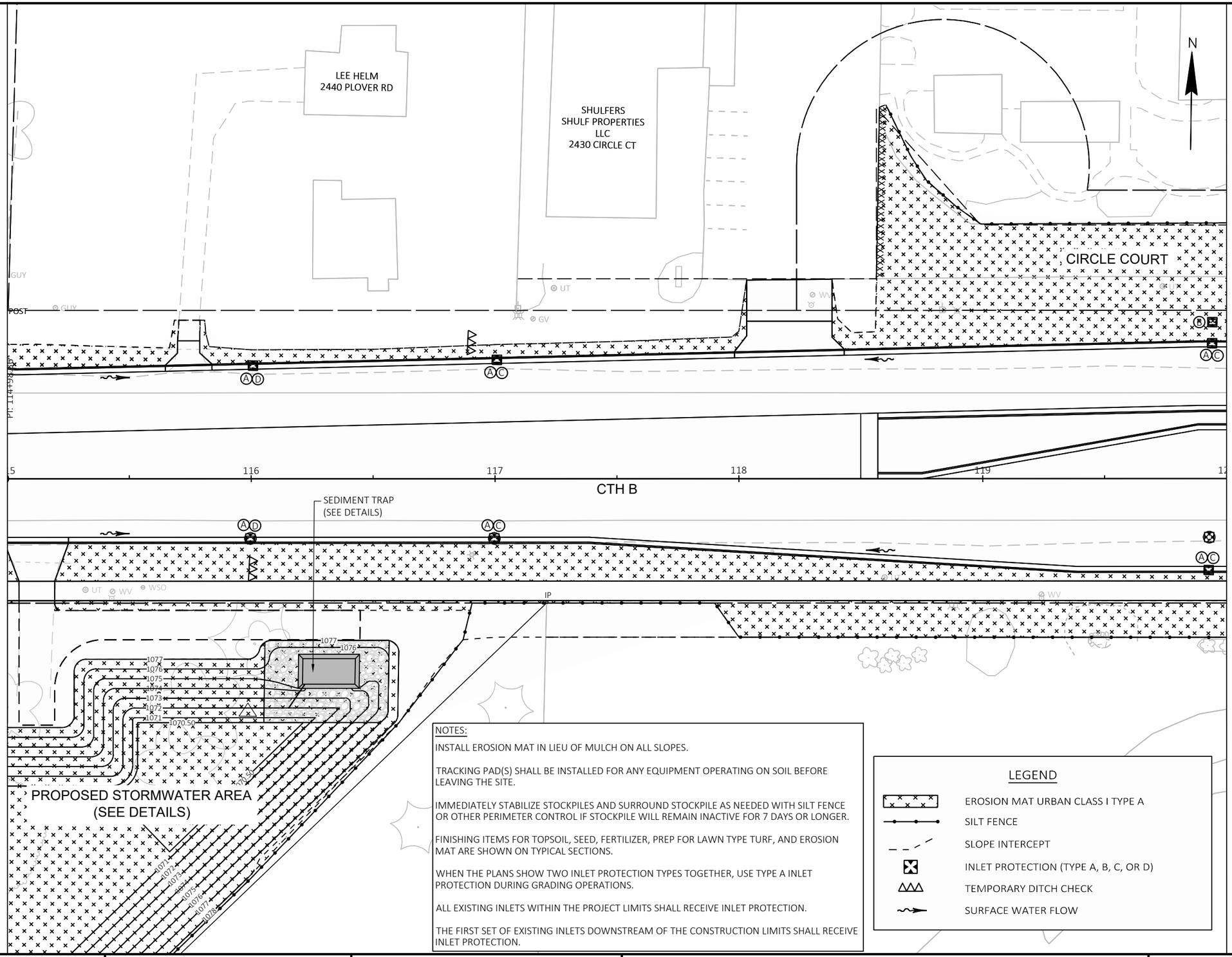
FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\022001_EC\022001_EC.DWG
LAYOUT NAME - 13
PLOT DATE : 12/11/2023 2:07 PM
PLOT BY : JARED HALBUR
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2



PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	EROSION CONTROL	SHEET 50	E

2



NOTES:

INSTALL EROSION MAT IN LIEU OF MULCH ON ALL SLOPES.

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LEGEND

- EROSION MAT URBAN CLASS I TYPE A
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION (TYPE A, B, C, OR D)
- TEMPORARY DITCH CHECK
- SURFACE WATER FLOW

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	EROSION CONTROL	SHEET 51	E

2

PLOVER FUNERAL HOME
SHULF PROPERTIES LLC
2400 PLOVER RD

CIRCLE COURT

MECCA DRIVE

NOTES:

INSTALL EROSION MAT IN LIEU OF MULCH ON ALL SLOPES.

TRACKING PAD(S) SHALL BE INSTALLED FOR ANY EQUIPMENT OPERATING ON SOIL BEFORE LEAVING THE SITE.

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N

BP: 204+07.42

EP: 204+07.42

CTH B

VANDY PROPERTIES
2351 PLOVER RD

LEGEND

- EROSION MAT URBAN CLASS I TYPE A
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION (TYPE A, B, C, OR D)
- TEMPORARY DITCH CHECK
- SURFACE WATER FLOW

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	EROSION CONTROL	SHEET 52	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\022001_EC\022001_EC.DWG
LAYOUT NAME - 16

PLOT DATE : 12/11/2023 2:07 PM PLOT BY : JARED HALBUR PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

FAHRNER ASPHALT
JENTEX GROUP LLC
2380 PLOVER RD

WISCONSIN BUILDING SU
WOLOHAN REALTY LL
2200 PLOVER RD

JAY MAR ROAD

UT
GUY
WV
WSO
IP
A C
CHIS

125 126 127 128 129 130

CTH B

NRG MEDIA
2301 PLOVER RD

NOTES:

INSTALL EROSION MAT IN LIEU OF MULCH ON ALL SLOPES.

TRACKING PAD(S) SHALL BE INSTALLED FOR ANY EQUIPMENT OPERATING ON SOIL BEFORE LEAVING THE SITE.

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LEGEND

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- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION (TYPE A, B, C, OR D)
- TEMPORARY DITCH CHECK
- SURFACE WATER FLOW

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	EROSION CONTROL	SHEET 53	E

PPLIES
C

JAY-MAR
JAY-MAR PROPERTIES
LLC
2130 JAY-MAR RD

N

JAY MAR ROAD

IP
WV
UT
PI: 132+58.24
AC
131
132
133
134
135
CTH B
AD
B
IBER LANE

NOTES:

INSTALL EROSION MAT IN LIEU OF MULCH ON ALL SLOPES.

TRACKING PAD(S) SHALL BE INSTALLED FOR ANY EQUIPMENT OPERATING ON SOIL BEFORE LEAVING THE SITE.

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- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION (TYPE A, B, C, OR D)
- TEMPORARY DITCH CHECK
- SURFACE WATER FLOW

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	EROSION CONTROL	SHEET 54	E

2

OAKVIEW VETERINARY
J & H REAL ESTATE
PARTNERSHIP
2110 JAY-MAR RD

KERBER ROSE
CERTIFIED PUBLIC
ACCOUNTANTS
KRA REAL ESTATE LLC
2040 JAY-MAR RD

COCA-COLA
LONE OAK - WISCONSIN
LLC
2010 JAY-MAR RD

N

JAY MAR ROAD

PI: 137+45.38

CTH B

136 137 138 139

END PROJECT 6767-01-71
BEGIN PROJECT 6767-02-71
STA 139+70.88

LEGEND

- EROSION MAT URBAN CLASS I TYPE A
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION (TYPE A, B, C, OR D)
- TEMPORARY DITCH CHECK
- SURFACE WATER FLOW

NOTES:

INSTALL EROSION MAT IN LIEU OF MULCH ON ALL SLOPES.

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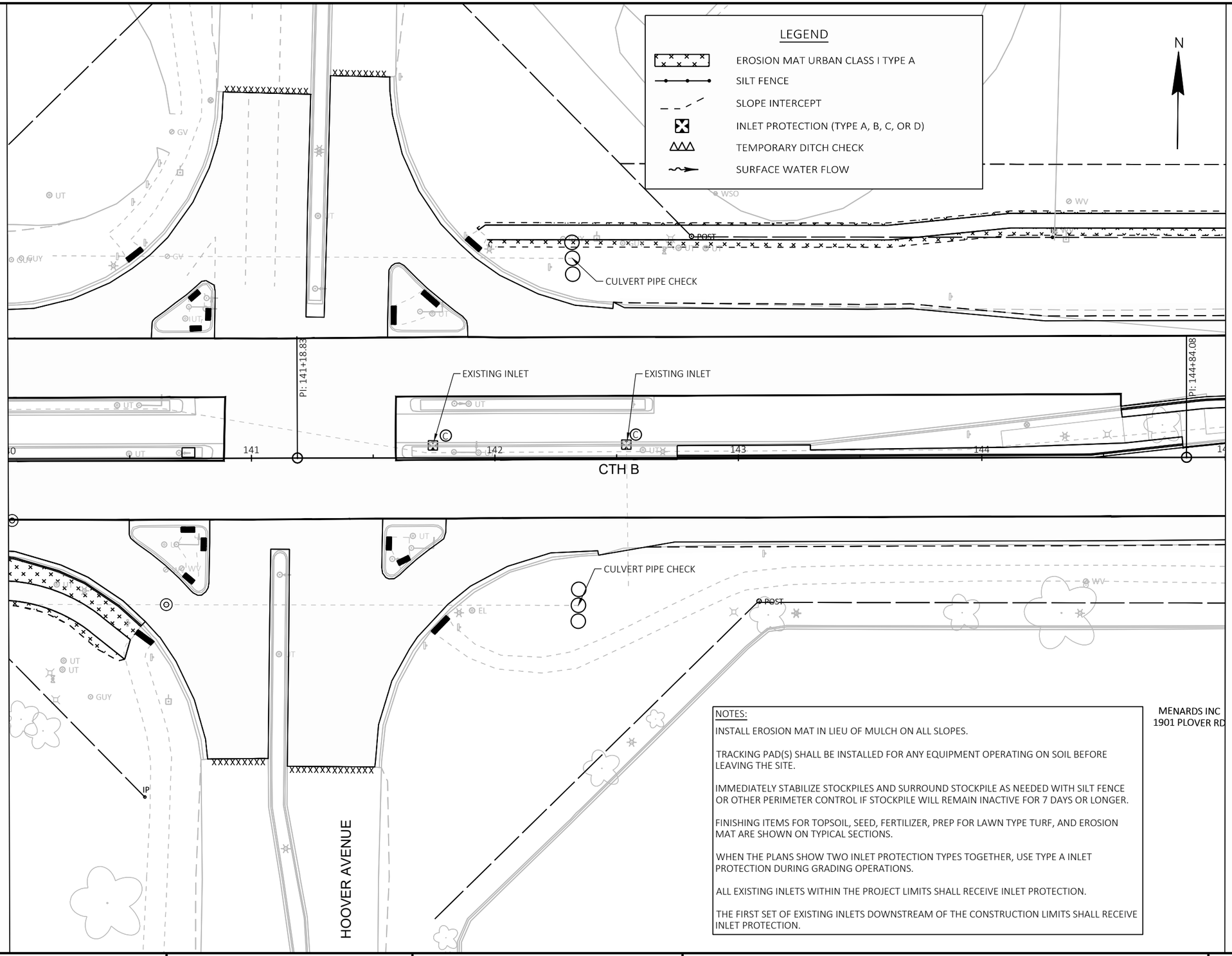
PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	EROSION CONTROL	SHEET 55	E

2



NOTES:

INSTALL EROSION MAT IN LIEU OF MULCH ON ALL SLOPES.

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PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	EROSION CONTROL	SHEET 56	E

2

VERIZON
1830 PLOVER LLC
1830 PLOVER RD

MAN-JAC INVESTMENT
LLC
1810 PLOVER RD

N

WSU
UT
WV
IP
GUY
VLV
SAN

PI: 148+10.30

EXISTING INLET

145
146
147
148
149

CTH B

MENARDS DRIVE

STARBUCKS
SIMONCRE JC PALM IV
LLC
0 MENARDS DR

NOTES:

INSTALL EROSION MAT IN LIEU OF MULCH ON ALL SLOPES.

TRACKING PAD(S) SHALL BE INSTALLED FOR ANY EQUIPMENT OPERATING ON SOIL BEFORE LEAVING THE SITE.

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LEGEND

- EROSION MAT URBAN CLASS I TYPE A
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION (TYPE A, B, C, OR D)
- TEMPORARY DITCH CHECK
- SURFACE WATER FLOW

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	EROSION CONTROL	SHEET 57	E

2

KFC
JERIFRED HOLDINGS
CORP
1770 PLOVER RD

MEMBERS ADVANTAGE CREDIT
UNION
1760 PLOVER RD

VILLAGE PARK DRIVE

N

EXISTING INLET

PI 155+11.41

151 152 153 154 155

CTH B

EXISTING INLET

ARBY'S
1825 PLOVER
PROPERTIES LLC
1825 PLOVER RD

CULVER'S
CVP LLC
1805 PLOVER RD

VILLAGE PARK DRIVE

NOTES:

INSTALL EROSION MAT IN LIEU OF MULCH ON ALL SLOPES.

TRACKING PAD(S) SHALL BE INSTALLED FOR ANY EQUIPMENT OPERATING ON SOIL BEFORE LEAVING THE SITE.

IMMEDIATELY STABILIZE STOCKPILES AND SURROUND STOCKPILE AS NEEDED WITH SILT FENCE OR OTHER PERIMETER CONTROL IF STOCKPILE WILL REMAIN INACTIVE FOR 7 DAYS OR LONGER.

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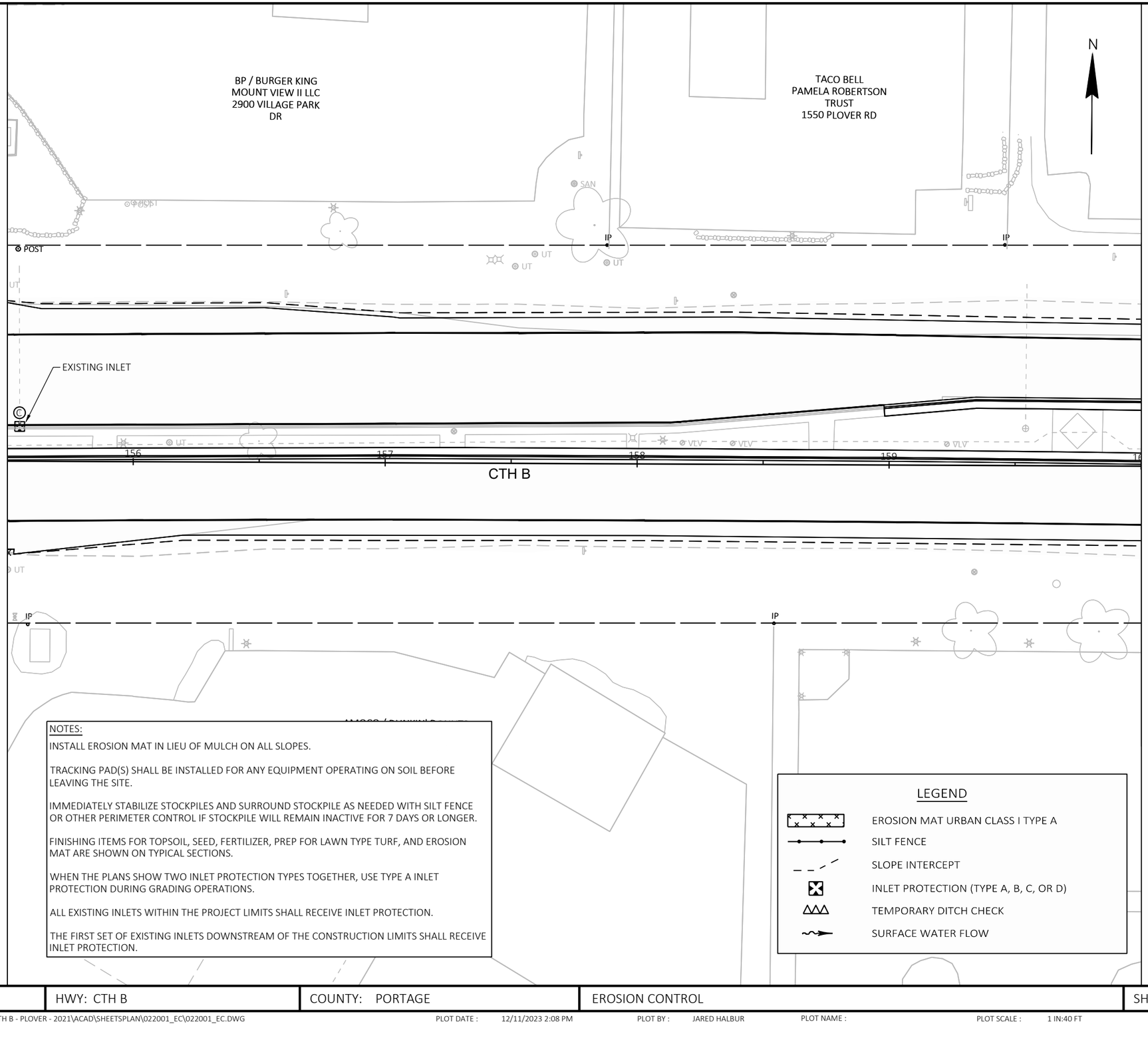
LEGEND

- EROSION MAT URBAN CLASS I TYPE A
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION (TYPE A, B, C, OR D)
- TEMPORARY DITCH CHECK
- SURFACE WATER FLOW

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	EROSION CONTROL	SHEET 58	E

2



PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	EROSION CONTROL	SHEET 59	E

2

SAMOEUN'S HAPPY WOK
1540 PLOVER ROAD LLC
1540 PLOVER RD

AMERICINN KANAK LLC
1501 AMERICAN DR

N

IH 39

IP

POST

SAN

UT

EL

PI: 160+77.93

PI: 165+00.75

160

161

162

163

164

165

CTH B

END PROJECT 6767-02-71
STA 164+24

NOTES:

INSTALL EROSION MAT IN LIEU OF MULCH ON ALL SLOPES.

TRACKING PAD(S) SHALL BE INSTALLED FOR ANY EQUIPMENT OPERATING ON SOIL BEFORE LEAVING THE SITE.

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LEGEND

- EROSION MAT URBAN CLASS I TYPE A
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION (TYPE A, B, C, OR D)
- TEMPORARY DITCH CHECK
- SURFACE WATER FLOW

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	EROSION CONTROL	SHEET 60	E

2

N

BP: 200+00.00

201

202

203

204

205

MECCA DRIVE

BEGIN CONSTRUCTION
STA 201+88

EP: 204+07.42

CIRCLE COURT

NOTES:

INSTALL EROSION MAT IN LIEU OF MULCH ON ALL SLOPES.

TRACKING PAD(S) SHALL BE INSTALLED FOR ANY EQUIPMENT OPERATING ON SOIL BEFORE LEAVING THE SITE.

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- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION (TYPE A, B, C, OR D)
- TEMPORARY DITCH CHECK
- SURFACE WATER FLOW

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	EROSION CONTROL	SHEET 61	E

2

N

PLOVER FUNERAL HOME
SHULF PROPERTIES LLC
2400 PLOVER RD

CIRCLE COURT

121

BP: 204+07.42

122

EP: 208+21.16

204 205 206 207 208

MECCA DRIVE

END CONSTRUCTION
STA 206+80

EP: 204+07.42

123

CTH B

NOTES:

INSTALL EROSION MAT IN LIEU OF MULCH ON ALL SLOPES.

TRACKING PAD(S) SHALL BE INSTALLED FOR ANY EQUIPMENT OPERATING ON SOIL BEFORE LEAVING THE SITE.

IMMEDIATELY STABILIZE STOCKPILES AND SURROUND STOCKPILE AS NEEDED WITH SILT FENCE OR OTHER PERIMETER CONTROL IF STOCKPILE WILL REMAIN INACTIVE FOR 7 DAYS OR LONGER.

FINISHING ITEMS FOR TOPSOIL, SEED, FERTILIZER, PREP FOR LAWN TYPE TURF, AND EROSION MAT ARE SHOWN ON TYPICAL SECTIONS.

WHEN THE PLANS SHOW TWO INLET PROTECTION TYPES TOGETHER, USE TYPE A INLET PROTECTION DURING GRADING OPERATIONS.

ALL EXISTING INLETS WITHIN THE PROJECT LIMITS SHALL RECEIVE INLET PROTECTION.

THE FIRST SET OF EXISTING INLETS DOWNSTREAM OF THE CONSTRUCTION LIMITS SHALL RECEIVE INLET PROTECTION.

LEGEND

- EROSION MAT URBAN CLASS I TYPE A
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION (TYPE A, B, C, OR D)
- TEMPORARY DITCH CHECK
- SURFACE WATER FLOW

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	EROSION CONTROL	SHEET 62	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\022001_EC\022001_EC.DWG
LAYOUT NAME - 26

PLOT DATE : 12/11/2023 2:08 PM PLOT BY : JARED HALBUR PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

EXISTING STORM SEWER INLET
RIM ELEV: 1075.16
S INV: 1070.96
E INV: 1070.96

EXISTING R/W, TYP

INL XA
STA 106+02, 43.5' LT
CATCH BASINS 2x3-H-S

MATCH LINE 107+00

EXISTING FLOW LINE
1075.32

EX MH 1

CONCRETE COLLAR REQ'D

15" SS

ADJUSTING MANHOLE COVERS

EX MH 2

REJECT C&G

LEAVE EXISTING PIPE

36" SS

24" SS

101+00 102+00 103+00 104+00 105+00 107

CTH B / PLOVER RD

POST ROAD / BUSINESS 51

BEGIN PROJECT 6767-01-71
STA 104+90
MATCH EXISTING

EXISTING FLOW LINE
1075.25

WISCONSIN AVE

INL XB
STA 106+03, 25.5' RT
CATCH BASINS 2x3-H-S

EXISTING STORM SEWER INLET
RIM ELEV: 1075.22
N INV: 1070.82
E INV: 1070.92

SUBWAY
2551 PLOVER RD

STORM SEWER NOTES:

INLET LEADS UNDER CTH B MAINLINE MUST BE BUILT IN TWO PHASES.

*PHASE 1:
CONSTRUCT DURING TC STAGE 3. PLACE INLET/MANHOLE STRUCTURE AND LAY 16' MIN OF STORM SEWER IN BOTH DOWNSTREAM AND UPSTREAM ENDS (COVER ENDS OF PIPE).

*PHASE 2:
CONSTRUCT DURING TC STAGE 4. CONNECT SS PIPE BETWEEN ENDS PLACE IN PHASE 1. UTILIZE ONE CONCRETE COLLAR TO MAKE FINAL CONNECTION BETWEEN PIPES.

1080 1075 1070 1065

EX MH 1
104+74.87
OFF -33.20

EX MH 2
106+05.71
OFF -19.24

PROFILE AT REFERENCE LINE

36" SSP-CONC

36" SSP-CONC

EXISTING STORM SEWER MH 1
RIM ELEV: 1075.81
N INV: 1070.51
S INV: 1070.51
E INV: 1069.61
W INV: 1069.61

EXISTING STORM SEWER MH 2
RIM ELEV: 1075.25
N INV: 1070.65
S INV: 1070.65
E INV: 1070.74
W INV: 1070.55

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	STORM SEWER PLAN AND PROFILE: CTH B	SHEET 63	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\023001_UP\023001_UP.DWG
LAYOUT NAME - 1
PLOT DATE : 12/12/2023 3:37 PM PLOT BY : JARED HALBUR PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

EXISTING STORM SEWER INLET ADJUST INLETS RIM ELEV: 1075.69

EXISTING STORM SEWER INLET ADJUSTING INLETS RIM ELEV: 1075.63

FREUND ENTERPRISES 2911 WASHINGTON AVE

EXISTING R/W, TYP

INL 2A STA 111+79, 43.5' LT CATCH BASINS 2x3-H

N

MATCH LINE 113+00

RECONSTRUCTING MANHOLES

MH 09

EXISTING STORM SEWER INLET ADJUSTING INLETS RIM ELEV: 1075.61

REJECT C&G

REJECT C&G

15" SS

CONCRETE COLLARS REQ'D

LEAVE EXISTING PIPE

108+00

109+00

110+00

111+00

112+00

CTH B / PLOVER RD

CTH B / PLOVER RD

24" SS

CONCRETE COLLAR REQ'D

CONCRETE COLLAR REQ'D (CONNECT TO EXISTING)

24" SS

24" SS

MATCH LINE 107+00

MH 01 STA 108+60, 24.5' RT INLETS 4-H

RIM ELEV: 1075.91 W INV: 1071.31

MH 02 STA 111+56, 24.5' RT INLETS 4-H

INL 2C STA 112+44, 37.0' RT INLET 1G-MS

INL 2B STA 111+56, 37.0' RT INLET 1G-MS

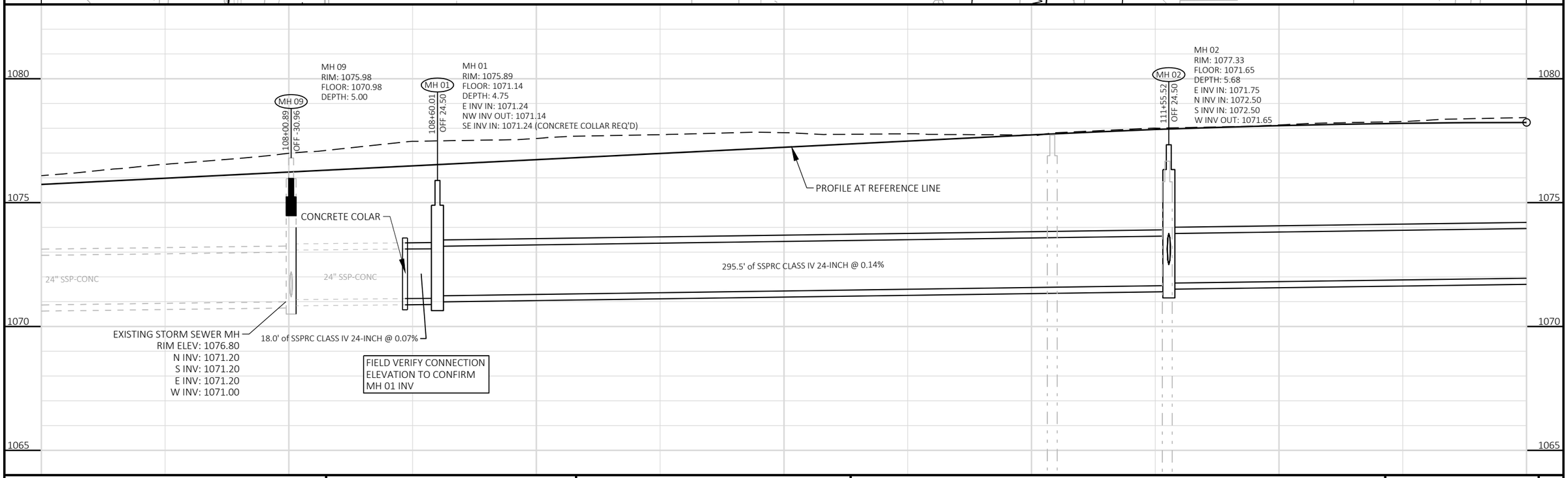
EXISTING STORM SEWER INLET ADJUSTING INLETS RIM ELEV: 1076.15

MADISON AVENUE

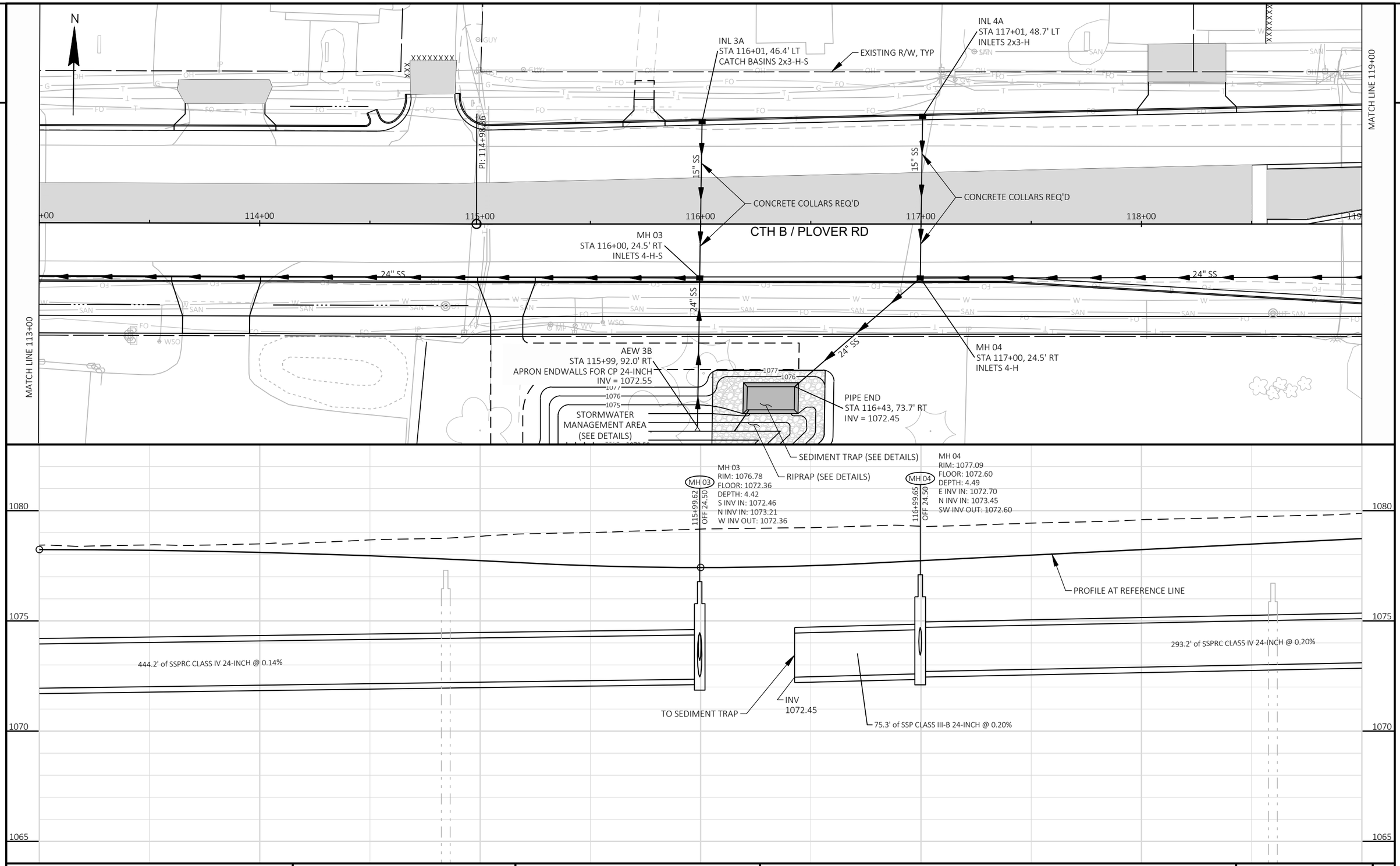
EXISTING STORM SEWER INLET ADJUSTING INLETS RIM ELEV: 1076.20

EXISTING STORM SEWER INLET ADJUSTING INLETS RIM ELEV: 1074.64

WASHINGTON AVENUE



PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	STORM SEWER PLAN AND PROFILE: CTH B	SHEET 64	E



PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	STORM SEWER PLAN AND PROFILE: CTH B	SHEET 65	E

2

INL 5C
STA 119+94, 64.2' LT
INLET 1G-MS

INL 5A
STA 119+94, 55.5' LT
INLETS 2x3-H

INL 5B

CONCRETE COLLARS REQ'D

15" SS

24" SS

INL 5B
STA 119+93, 37.5' RT
INLETS 2x3-H

MH 05
STA 119+93, 24.0' RT
MANHOLES 4-J

MATCH LINE 119+00

PROPOSED R/W

BP: 204+07.42

EP: 204+07.42

MECCA DRIVE

PROPOSED R/W

EXISTING R/W, TYP

INL 6A
STA 123+64, 67.5' LT
INLETS 2x3-H-S

INL 6B
STA 124+00, 8.5' LT
INLETS 2x3-H-S

CONCRETE COLLARS REQ'D

CTH B / PLOVER RD

MH 06
STA 124+00, 24.5' RT
INLETS 4-H-S

INL 6C
STA 124+00, 36.0' RT
INLET 1G-MS

VANDY PROPERTIES
2351 PLOVER RD

MATCH LINE 125+00

N

120+00 121+00 122+00 123+00 124+00

MH 05
RIM: 1078.71
FLOOR: 1073.29
DEPTH: 5.43
E INV IN: 1073.39
N INV IN: 1074.14
S INV IN: 1074.14
W INV OUT: 1073.29

MH 05
119+92.84
OFF 24.00

MH 06
RIM: 1078.78
FLOOR: 1074.20
DEPTH: 4.58
E INV IN: 1074.30
N INV IN: 1075.05
S INV IN: 1074.30
W INV OUT: 1074.20

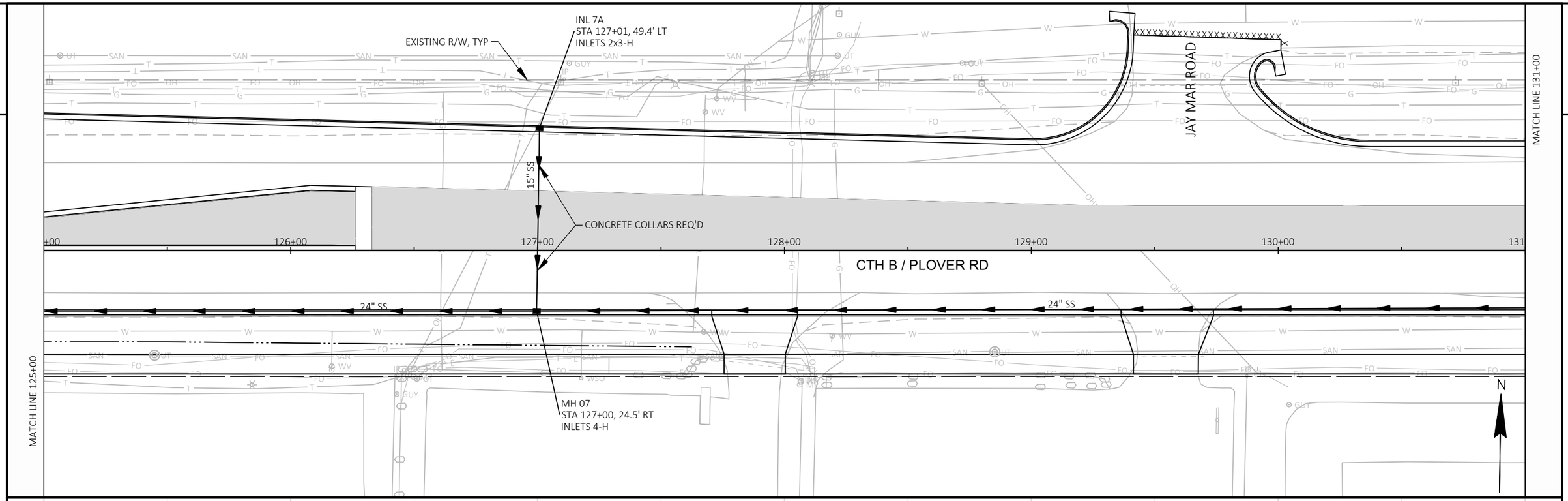
MH 06
123+99.99
OFF 24.50

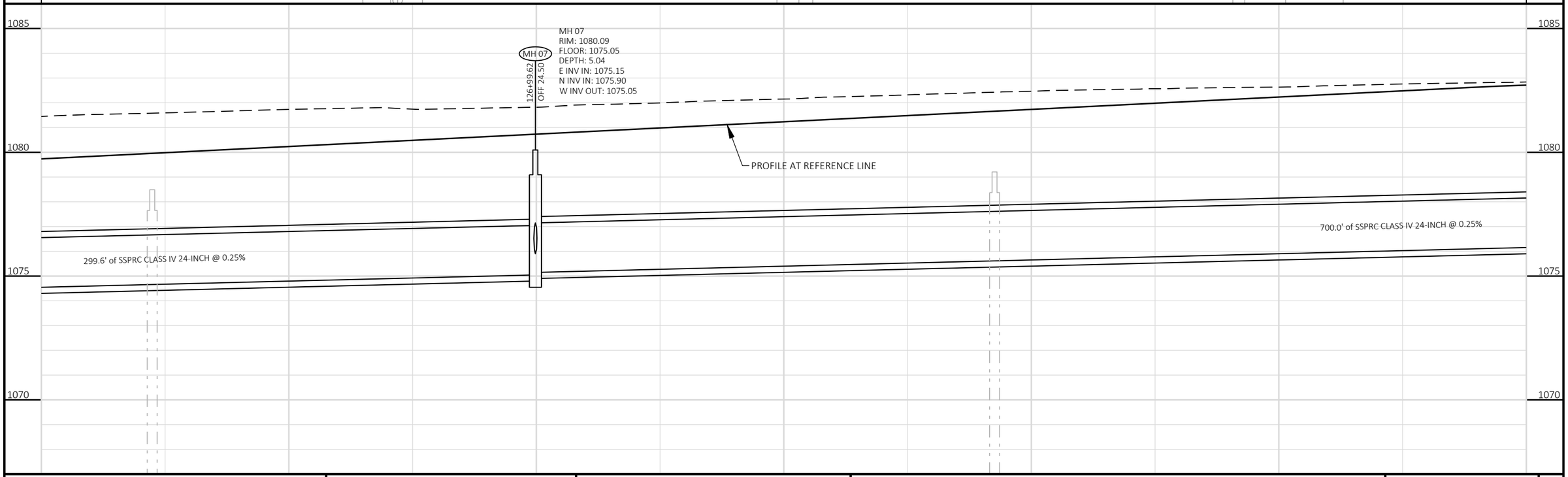
PROFILE AT REFERENCE LINE

407.1' of SSPRC CLASS IV 24-INCH @ 0.20%

1080
1075
1070

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	STORM SEWER PLAN AND PROFILE: CTH B	SHEET 66	E





PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	STORM SEWER PLAN AND PROFILE: CTH B	SHEET 67	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\023001_UP\023001_UP.DWG
LAYOUT NAME - 5
PLOT DATE : 12/12/2023 3:38 PM PLOT BY : JARED HALBUR PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

EXISTING R/W, TYP

PI: 132+58.33

INL 8A
STA 133+76, 43.5' LT
INLETS 2x3-H-S

15" SS

INL 8B
STA 135+11, 43.7' LT
INLETS 2x3-H

MATCH LINE 137+00

2

15" SS

CONCRETE COLLARS REQ'D

+00 132+00 133+00 134+00 135+00 136+00 137

CTH B / PLOVER RD

24" SS

24" SS

15" SS

MATCH LINE 131+00

IBER LANE

MH 08
STA 133+99, 24.5' RT
INLETS 4-H-S
INL 8C
STA 133+99, 40.0' RT
INLET 1G-MS

N

MH 08
RIM: 1081.28
FLOOR: 1076.90
DEPTH: 4.38
N INV IN: 1077.75
S INV IN: 1077.00
E INV IN: 1077.00
W INV OUT: 1076.90

MH 08

133+99.23
OFF 24.50

1085

1080

1075

1070

PROFILE AT REFERENCE LINE

337.1' of SSPRC CLASS IV 24-INCH @ 0.30%

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	STORM SEWER PLAN AND PROFILE: CTH B	SHEET 68	E

2

INL 10C
STA 137+36, 46.4' LT
INLETS 2x3-H

INL 10B
STA 137+36, 19.4' LT
INLETS 2x3-H

INL 10A
STA 137+36, 1.5' LT
INLETS 2x3-H

15" SS
15" SS
15" SS

PI: 137+45.84

CONCRETE COLLARS REQ'D

24" SS

MH 10
STA 137+36, 24.5' RT
INLETS 4-H

MH 11
STA 140+02, 25.3' RT
MANHOLES 4-J

MH 12
STA 140+65, 60.0' RT
MANHOLES 4-J

PI: 141+18.83

CONNECTION TO EXISTING CULVERT REQUIRED
CONCRETE COLLAR REQUIRED
APPROXIMATE ELEVATION OF EXISTING CULVERT: 1079.80
FIELD VERIFY EXISTING CULVERT DEPTH

EX INV: 1079.98

MATCH LINE 137+00

MATCH LINE 143+00

N

+00 138+00 139+00 140+00 141+00 142+00 143

2

MH 10
RIM: 1082.79
FLOOR: 1078.01
DEPTH: 4.78
N INV IN: 1078.86
E INV IN: 1078.11
W INV OUT: 1078.01

MH 11
RIM: 1084.17
FLOOR: 1078.90
DEPTH: 5.27
SE INV IN: 1079.00
W INV OUT: 1078.90

MH 12
RIM: 1083.89
FLOOR: 1079.22
DEPTH: 4.67
E INV IN: 1079.80
NW INV OUT: 1079.22

MH 10
137+36.34
OFF 24.50

MH 11
140+01.54
OFF 25.30

MH 12
140+64.80
OFF 60.04

1085
1080
1075
1070

PROFILE AT REFERENCE LINE

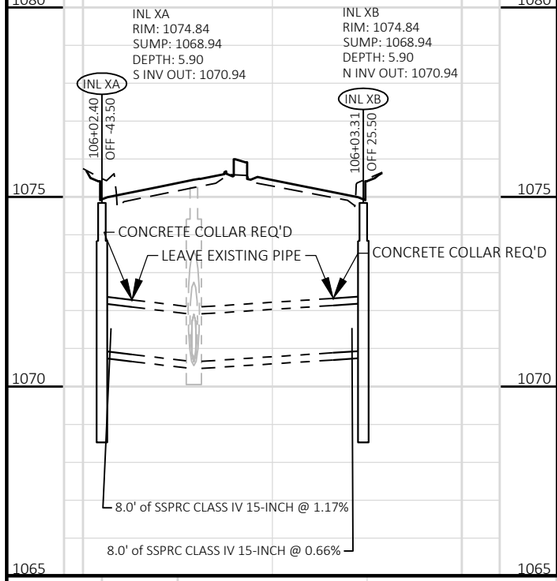
264.8' of SSP CLASS III-B 24-INCH @ 0.30%

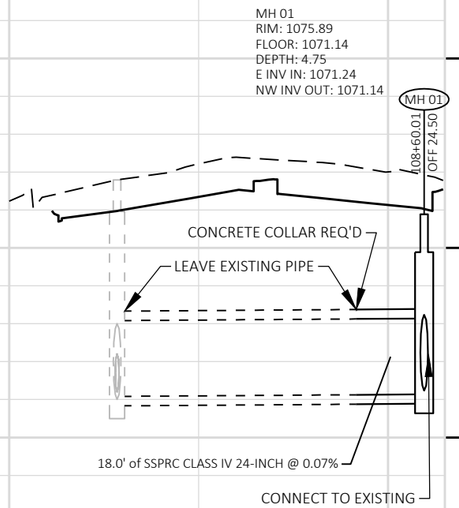
72.2' of SSP CLASS III-B @ 0.30%

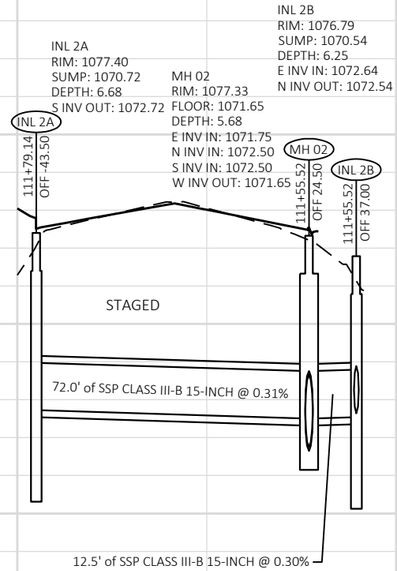
PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	STORM SEWER PLAN AND PROFILE: CTH B	SHEET 69	E

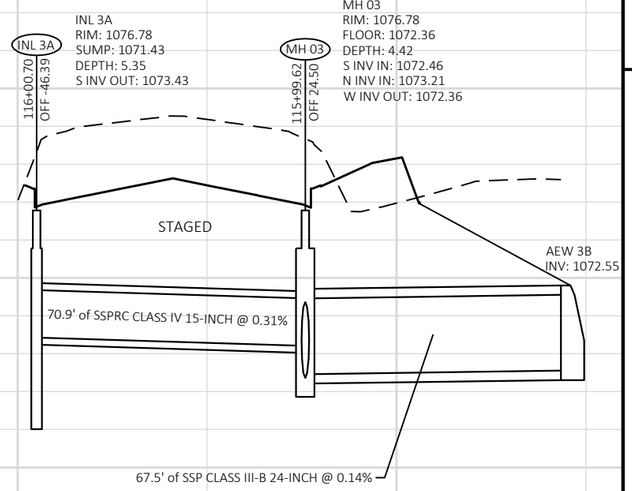
FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\023001_UP\023001_UP.DWG
LAYOUT NAME - 7

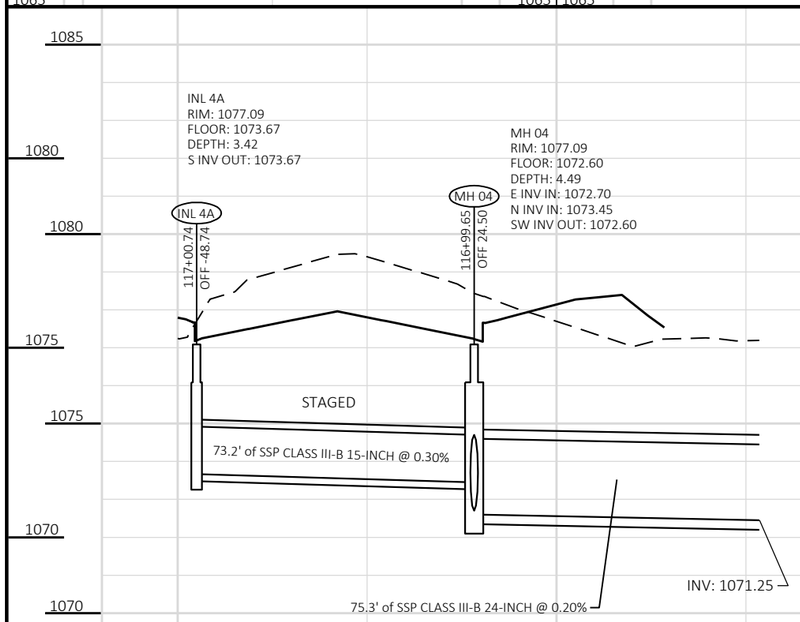
PLOT DATE : 12/12/2023 3:38 PM PLOT BY : JARED HALBUR PLOT NAME : PLOT SCALE : 1 IN:40 FT

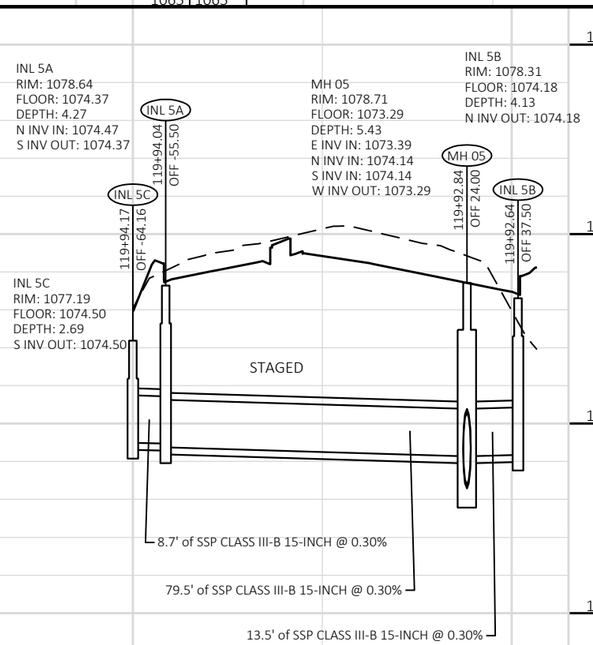


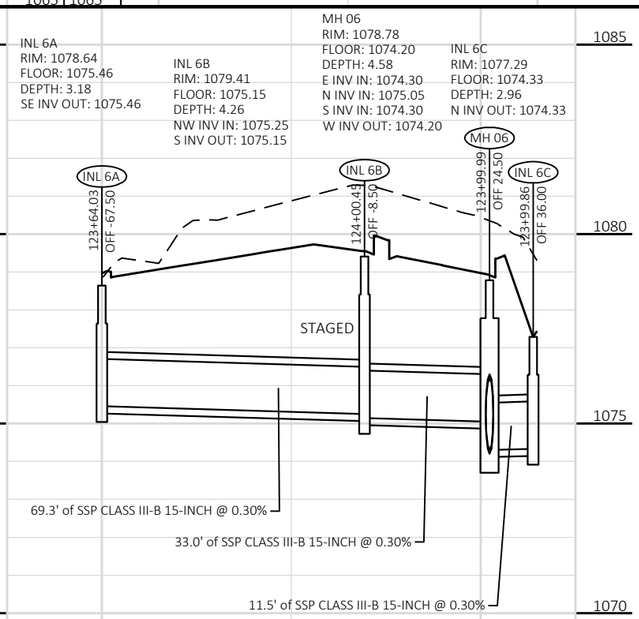




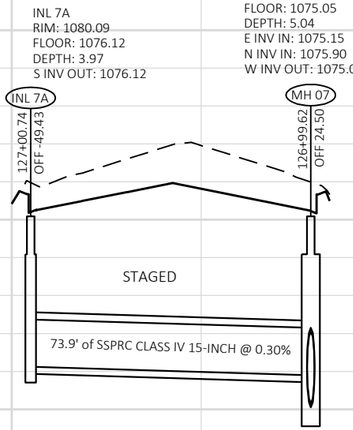


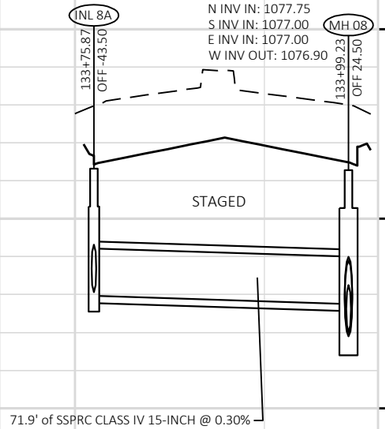


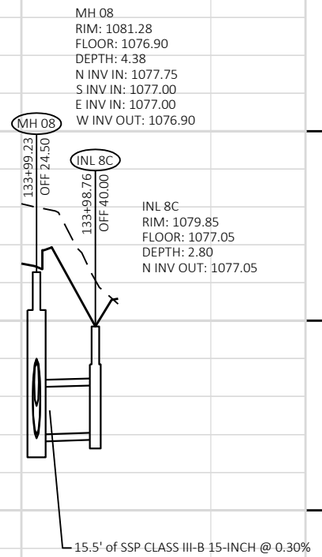


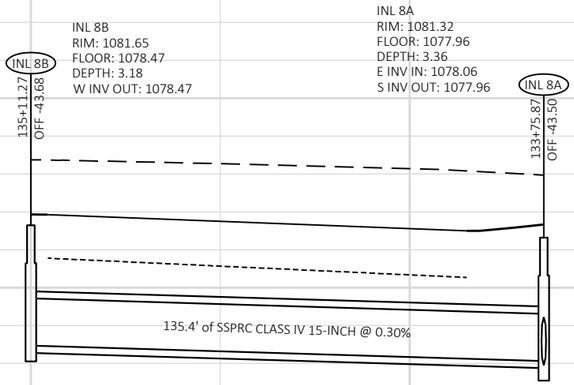


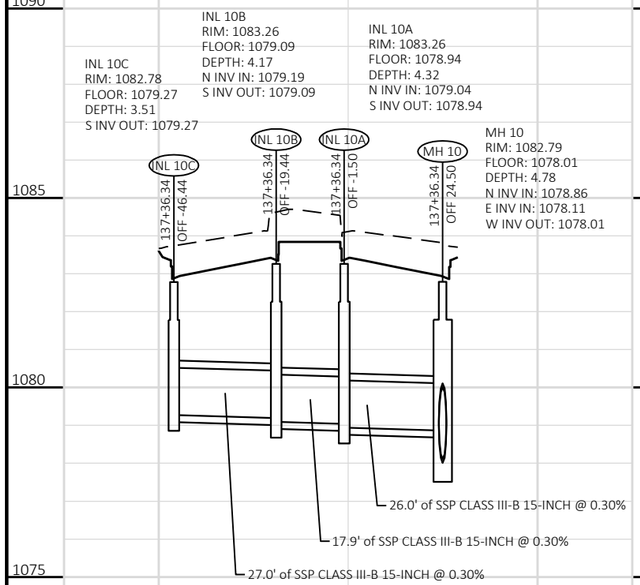
PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	STORM SEWER DETAILS	SHEET 70	E

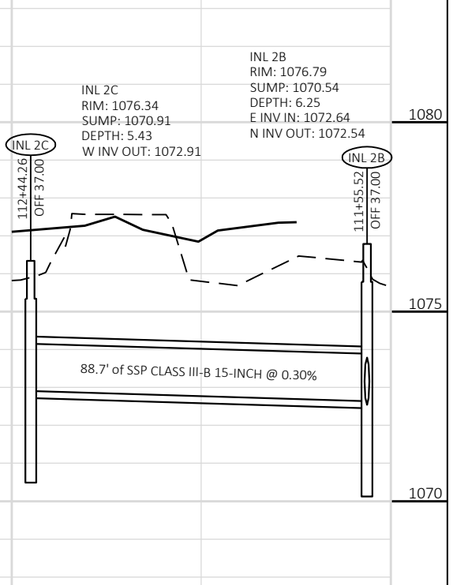












NOTES:

1. GRATE ELEVATIONS SHOWN FOR TYPE H & H-S COVERS ARE DEPRESSED 0.08' FROM NORMAL GUTTER FLOW LINE ELEVATION.

2. TOTAL DEPTH = RIM/GRATE ELEVATION - STRUCTURE INVERT ELEVATION.

3. MANHOLES SHALL BE CONSTRUCTED IN A WAY THAT WILL ALLOW THE CASTING TO BE ALIGNED IN THE MIDDLE OF A LANE OR ON A JOINT LINE.

4. CONTRACTOR SHALL VERIFY EXISTING PIPE SIZES, MATERIALS AND INVERT ELEVATION WHEN CONNECTING NEW STORM SEWER INTO EXITING PIPES PRIOR TO MANUFACTURING INLETS AND MANHOLES.

5. STATION/OFFSET OF STORM SEWER STRUCTURES ARE TO THE CENTER OF STRUCTURE EXCEPT FOR CONCRETE APRON ENDWALLS WHICH ARE TO PIPE END.

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	STORM SEWER DETAILS	SHEET 71	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\023001_UP\023001_UP.DWG
LAYOUT NAME - Details - 2
PLOT DATE : 12/12/2023 3:39 PM PLOT BY : JARED HALBUR PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

STORM SEWER STRUCTURE DATA

STRUCTURE NUMBER	ALIGNMENT	STATION	OFFSET	LOCATION	TYPE	RIM/GRATE ELEVATION	STRUCTURE INV ELEV	TOTAL DEPTH	SUMP DEPTH	CONNECTING PIPES	PIPE DIRECTION	PIPE SIZE & TYPE	PIPE INVERT	PIPE ROUTE	PIPE LENGTH	PIPE SLOPE	REMARKS
AEW 3B	CTH B - FLAGLINE	115+98.62	92.00	RT	APRON ENDWALLS FOR CP 24-INCH	1074.80			0.0	3B - 03 OUT	N	SSP CLASS III-B 24-INCH	1072.55	TO STR: MH 03	67.50'	0.14%	
INL 2A	CTH B - FLAGLINE	111+79.14	-43.50	LT	CATCH BASINS 2X3-H	1077.40	1070.72	6.68	2.0	2A - 02 OUT	S	SSP CLASS III-B 15-INCH	1072.72	TO STR: MH 02	71.99'	0.31%	
INL 2B	CTH B - FLAGLINE	111+55.52	37.00	RT	INLET 1G-MS	1076.79	1070.54	6.25	2.0	2C - 2B IN 2B - 02 OUT	E N	SSP CLASS III-B 15-INCH SSP CLASS III-B 15-INCH	1072.64 1072.54	FROM STR: INL 2C TO STR: MH 02	-- 12.50'	-- 0.30%	
INL 2C	CTH B - FLAGLINE	112+44.26	37.00	RT	INLET 1G-MS	1076.34	1070.91	5.43	2.0	2C - 2B OUT	W	SSP CLASS III-B 15-INCH	1072.91	TO STR: INL 2B	88.73'	0.30%	
INL 3A	CTH B - FLAGLINE	116+00.70	-46.39	LT	CATCH BASINS 2X3-H-S	1076.78	1071.43	5.35	2.0	3A - 03 OUT	S	SSPRC CLASS IV 15-INCH	1073.43	TO STR: MH 03	70.90'	0.31%	
INL 4A	CTH B - FLAGLINE	117+00.74	-48.74	LT	INLETS 2X3-H	1077.09	1073.67	3.42	0.0	4A - 04 OUT	S	SSP CLASS III-B 15-INCH	1073.67	TO STR: MH 04	73.25'	0.30%	
INL 5A	CTH B - FLAGLINE	119+94.04	-55.50	LT	INLETS 2X3-H	1078.64	1074.37	4.27	0.0	5C - 5A IN 5A - 05 OUT	N S	SSP CLASS III-B 15-INCH SSP CLASS III-B 15-INCH	1074.47 1074.37	FROM STR: INL 5C TO STR: MH 05	-- 79.51'	-- 0.30%	
INL 5B	CTH B - FLAGLINE	119+92.64	37.50	RT	INLETS 2X3-H	1078.31	1074.18	4.13	0.0	5B - 05 OUT	N	SSP CLASS III-B 15-INCH	1074.18	TO STR: MH 05	13.50'	0.30%	
INL 5C	CTH B - FLAGLINE	119+94.17	-64.16	LT	INLET 1G-MS	1077.19	1074.50	2.69	0.0	5C - 5A OUT	S	SSP CLASS III-B 15-INCH	1074.50	TO STR: INL 5A	8.66'	0.30%	
INL 6A	CTH B - FLAGLINE	123+64.03	-67.50	LT	INLETS 2X3-H-S	1078.64	1075.46	3.18	0.0	6A - 6B OUT	SE	SSP CLASS III-B 15-INCH	1075.46	TO STR: INL 6B	69.33'	0.30%	
INL 6B	CTH B - FLAGLINE	124+00.45	-8.50	LT	INLETS 2X3-H-S	1079.41	1075.15	4.26	0.0	6A - 6B IN 6B - 06 OUT	NW S	SSP CLASS III-B 15-INCH SSP CLASS III-B 15-INCH	1075.25 1075.15	FROM STR: INL 6A TO STR: MH 06	-- 33.00'	-- 0.30%	
INL 6C	CTH B - FLAGLINE	123+99.86	36.00	RT	INLET 1G-MS	1077.29	1074.33	2.96	0.0	6C - 06 OUT	N	SSP CLASS III-B 15-INCH	1074.33	TO STR: MH 06	11.50'	0.30%	
INL 7A	CTH B - FLAGLINE	127+00.74	-49.43	LT	INLETS 2X3-H	1080.09	1076.12	3.97	0.0	7A - 07 OUT	S	SSPRC CLASS IV 15-INCH	1076.12	TO STR: MH 07	73.94'	0.30%	
INL 8A	CTH B - FLAGLINE	133+75.87	-43.50	LT	INLETS 2X3-H-S	1081.32	1077.96	3.36	0.0	8B - 8A IN 8A - 08 OUT	E S	SSPRC CLASS IV 15-INCH SSPRC CLASS IV 15-INCH	1078.06 1077.96	FROM STR: INL 8B TO STR: MH 08	-- 71.90'	-- 0.30%	
INL 8B	CTH B - FLAGLINE	135+11.27	-43.68	LT	INLETS 2X3-H	1081.65	1078.47	3.18	0.0	8B - 8A OUT	W	SSPRC CLASS IV 15-INCH	1078.47	TO STR: INL 8A	135.39'	0.30%	
INL 8C	CTH B - FLAGLINE	133+98.76	40.00	RT	INLET 1G-MS	1079.85	1077.05	2.80	0.0	8D - 8C OUT	N	SSP CLASS III-B 15-INCH	1077.05	TO STR: MH 08	15.51'	0.30%	
INL 10A	CTH B - FLAGLINE	137+36.34	-1.50	LT	INLETS 2X3-H	1083.26	1078.94	4.32	0.0	10B - 10A IN 10A - 10 OUT	N S	SSP CLASS III-B 15-INCH SSP CLASS III-B 15-INCH	1079.04 1078.94	FROM STR: INL 10B TO STR: MH 10	-- 26.00'	-- 0.30%	
INL 10B	CTH B - FLAGLINE	137+36.34	-19.44	LT	INLETS 2X3-H	1083.26	1079.09	4.17	0.0	10C - 10B IN 10B - 10A OUT	N S	SSP CLASS III-B 15-INCH SSP CLASS III-B 15-INCH	1079.19 1079.09	FROM STR: INL 10C TO STR: INL 10A	-- 17.94'	-- 0.30%	
INL 10C	CTH B - FLAGLINE	137+36.34	-46.44	LT	INLETS 2X3-H	1082.78	1079.27	3.51	0.0	10C - 10B OUT	S	SSP CLASS III-B 15-INCH	1079.27	TO STR: INL 10B	27.00'	0.30%	
INL XA	CTH B - FLAGLINE	106+02.40	-43.50	LT	CATCH BASINS 2X3-H-S	1074.84	1068.94	5.90	2.0	XA - EX OUT	S	SSPRC CLASS IV 15-INCH	1070.94	TO STR:EX MH	8.00'	1.17%	
INL XB	CTH B - FLAGLINE	106+03.31	25.50	RT	CATCH BASINS 2X3-H-S	1074.84	1068.94	5.90	2.0	XB - EX OUT	N	SSPRC CLASS IV 15-INCH	1070.94	TO STR:EX MH	8.00'	0.66%	
MH 01	CTH B - FLAGLINE	108+60.01	24.50	RT	INLETS 4-H	1075.89	1071.14	4.75	0.0	02 - 01 IN 01- EX OUT	E NW	SSPRC CLASS IV 24-INCH SSPRC CLASS IV 24-INCH	1071.24 1071.14	FROM STR: MH 02 TO STR:EX MH	-- 17.98'	-- 0.07%	
MH 02	CTH B - FLAGLINE	111+55.52	24.50	RT	INLETS 4-H	1077.33	1071.65	5.68	0.0	03 - 02 IN 2A - 02 IN 2B - 02 IN 02 - 01 OUT	E N S W	SSPRC CLASS IV 24-INCH SSP CLASS III-B 15-INCH SSP CLASS III-B 15-INCH SSPRC CLASS IV 24-INCH	1071.75 1072.50 1072.50 1071.65	FROM STR: MH 03 FROM STR: INL 2A FROM STR: INL 2B TO STR: MH 01	-- -- -- 295.52'	-- -- -- 0.14%	
MH 03	CTH B - FLAGLINE	115+99.62	24.50	RT	INLETS 4-H-S	1076.78	1072.36	4.42	0.0	3B - 03 IN 3A - 03 IN 03 - 02 OUT	S N W	SSP CLASS III-B 24-INCH SSPRC CLASS IV 15-INCH SSPRC CLASS IV 24-INCH	1072.46 1073.21 1072.36	FROM STR: AEW 3B FROM STR: INL 3A TO STR: MH 02	-- -- 444.17'	-- -- 0.14%	
MH 04	CTH B - FLAGLINE	116+99.65	24.50	RT	INLETS 4-H	1077.09	1072.60	4.49	0.0	05 - 04 IN 4A - 04 IN 04 - 4B OUT	E N SW	SSPRC CLASS IV 24-INCH SSP CLASS III-B 15-INCH SSP CLASS III-B 24-INCH	1072.70 1073.45 1072.60	FROM STR: MH 05 FROM STR: INL 4A TO STR:OUTLET	-- -- 75.31'	-- -- 0.20%	
MH 05	CTH B - FLAGLINE	119+92.84	24.00	RT	MANHOLES 4-J	1078.71	1073.29	5.43	0.0	06 - 05 IN 5A - 05 IN 5B - 05 IN 05 - 04 OUT	E N S W	SSPRC CLASS IV 24-INCH SSP CLASS III-B 15-INCH SSP CLASS III-B 15-INCH SSPRC CLASS IV 24-INCH	1073.39 1074.14 1074.14 1073.29	FROM STR: MH 06 FROM STR: INL 5A FROM STR: INL 5B TO STR: MH 04	-- -- -- 293.19'	-- -- -- 0.20%	
MH 06	CTH B - FLAGLINE	123+99.99	24.50	RT	INLETS 4-H-S	1078.78	1074.20	4.58	0.0	07 - 06 IN 6B - 06 IN 6C - 06 IN 06 - 05 OUT	E N S W	SSPRC CLASS IV 24-INCH SSP CLASS III-B 15-INCH SSP CLASS III-B 15-INCH SSPRC CLASS IV 24-INCH	1074.30 1075.05 1074.30 1074.20	FROM STR: MH 07 FROM STR: INL 6B FROM STR: INL 6C TO STR: MH 05	-- -- -- 407.15'	-- -- -- 0.20%	
MH 07	CTH B - FLAGLINE	126+99.62	24.50	RT	INLETS 4-H	1080.09	1075.05	5.04	0.0	08 - 07 IN 7A - 07 IN 07 - 06 OUT	E N W	SSPRC CLASS IV 24-INCH SSPRC CLASS IV 15-INCH SSPRC CLASS IV 24-INCH	1075.15 1075.90 1075.05	FROM STR: MH 08 FROM STR: INL 7A TO STR: MH 06	-- -- 299.63'	-- -- 0.25%	
MH 08	CTH B - FLAGLINE	133+99.23	24.50	RT	INLETS 4-H-S	1081.28	1076.90	4.38	0.0	8A - 08 IN 8D - 8C IN 10 - 08 IN	N S E	SSPRC CLASS IV 15-INCH SSP CLASS III-B 15-INCH SSPRC CLASS IV 24-INCH	1077.75 1077.00 1077.00	FROM STR: INL 8A FROM STR: INL 8C FROM STR: MH 10	-- -- --	-- -- --	

2

2

STORM SEWER STRUCTURE DATA

STRUCTURE NUMBER	ALIGNMENT	STATION	OFFSET	LOCATION	TYPE	RIM/GRATE ELEVATION	STRUCTURE INV ELEV	TOTAL DEPTH	SUMP DEPTH	CONNECTING PIPES	PIPE DIRECTION	PIPE SIZE & TYPE	PIPE INVERT	PIPE ROUTE	PIPE LENGTH	PIPE SLOPE	REMARKS
MH 09	CTH B - FLAGLINE	108+00.89	-30.96	LT	RECONSTRUCT EX MH	1075.98	1070.98	5.00	0.0								
MH 10	CTH B - FLAGLINE	137+36.34	24.50	RT	INLETS 4-H	1082.79	1078.01	4.78	0.0	10A - 10 IN 11 - 10 IN 10 - 08 OUT	N E W	SSP CLASS III-B 15-INCH SSP CLASS III-B 24-INCH SSPRC CLASS IV 24-INCH	1078.86 1078.11 1078.01	FROM STR: INL 10A FROM STR: MH 11 TO STR: MH 08	-- -- 337.11'	-- -- 0.30%	
MH 11	CTH B - FLAGLINE	140+01.54	25.30	RT	MANHOLES 4-J	1084.17	1078.90	5.27	0.0	12 - 11 IN 11 - 10 OUT	SE W	SSP CLASS III-B SSP CLASS III-B 24-INCH	1079.00 1078.90	FROM STR: MH 12 TO STR: MH 10	-- 264.80'	-- 0.30%	
MH 12	CTH B - FLAGLINE	140+64.80	60.04	RT	MANHOLES 4-J	1083.89	1079.22	4.67	0.0	12 - 11 OUT	NW	SSP CLASS III-B	1079.22	TO STR: MH 11	72.17'	0.30%	

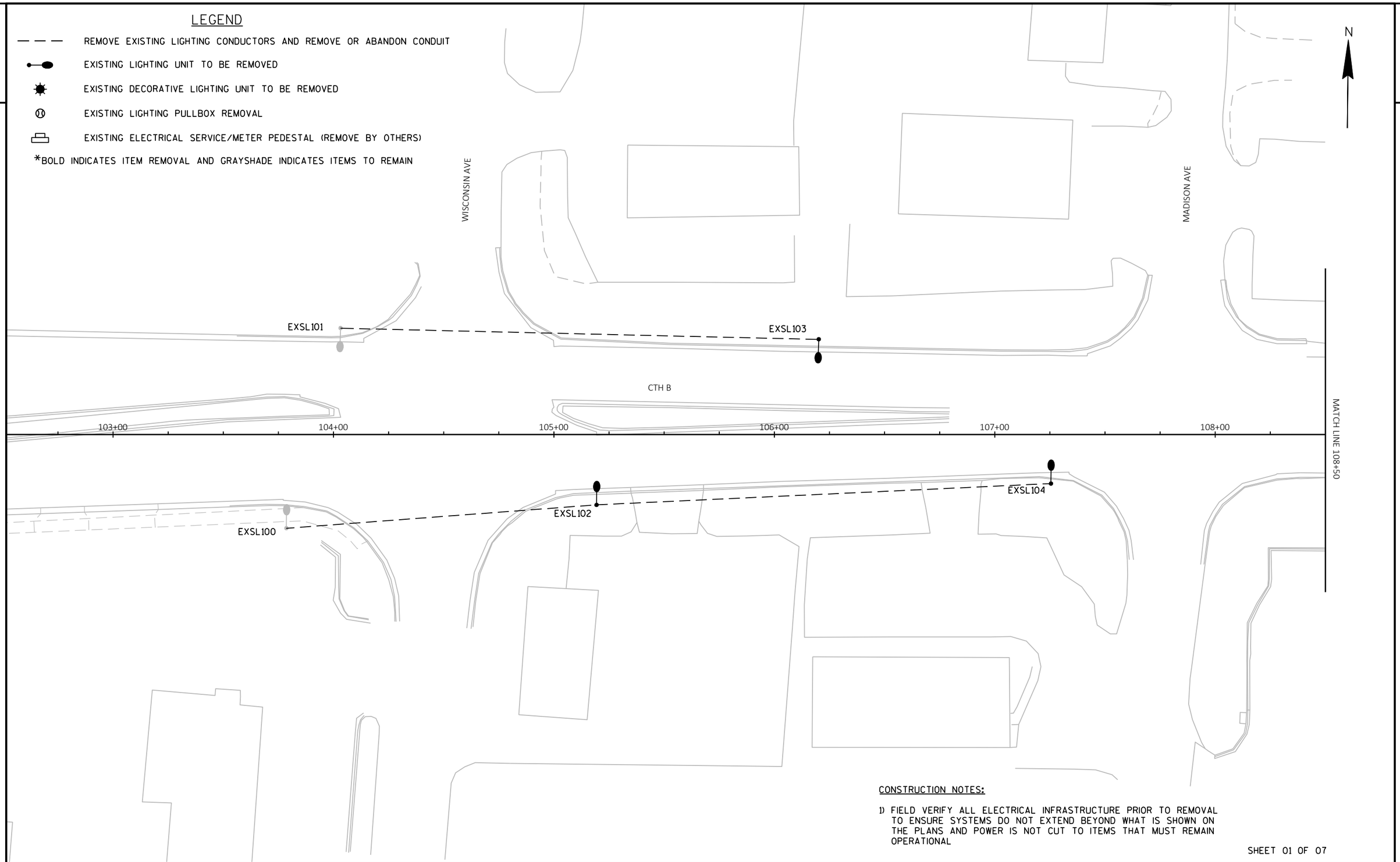
2

2

LEGEND

- REMOVE EXISTING LIGHTING CONDUCTORS AND REMOVE OR ABANDON CONDUIT
- EXISTING LIGHTING UNIT TO BE REMOVED
- EXISTING DECORATIVE LIGHTING UNIT TO BE REMOVED
- EXISTING LIGHTING PULLBOX REMOVAL
- EXISTING ELECTRICAL SERVICE/METER PEDESTAL (REMOVE BY OTHERS)

*BOLD INDICATES ITEM REMOVAL AND GRAYSHADE INDICATES ITEMS TO REMAIN



CONSTRUCTION NOTES:

1) FIELD VERIFY ALL ELECTRICAL INFRASTRUCTURE PRIOR TO REMOVAL TO ENSURE SYSTEMS DO NOT EXTEND BEYOND WHAT IS SHOWN ON THE PLANS AND POWER IS NOT CUT TO ITEMS THAT MUST REMAIN OPERATIONAL

SHEET 01 OF 07

PROJECT NO: 6767-01-01	HWY: CTH B	COUNTY: PORTAGE	LIGHTING REMOVAL PLANS	SHEET 74	E

2

LEGEND

- REMOVE EXISTING LIGHTING CONDUCTORS AND REMOVE OR ABANDON CONDUIT
- EXISTING LIGHTING UNIT TO BE REMOVED
- EXISTING DECORATIVE LIGHTING UNIT TO BE REMOVED
- EXISTING LIGHTING PULLBOX REMOVAL
- EXISTING ELECTRICAL SERVICE/METER PEDESTAL (REMOVE BY OTHERS)

*BOLD INDICATES ITEM REMOVAL AND GRAYSHADE INDICATES ITEMS TO REMAIN

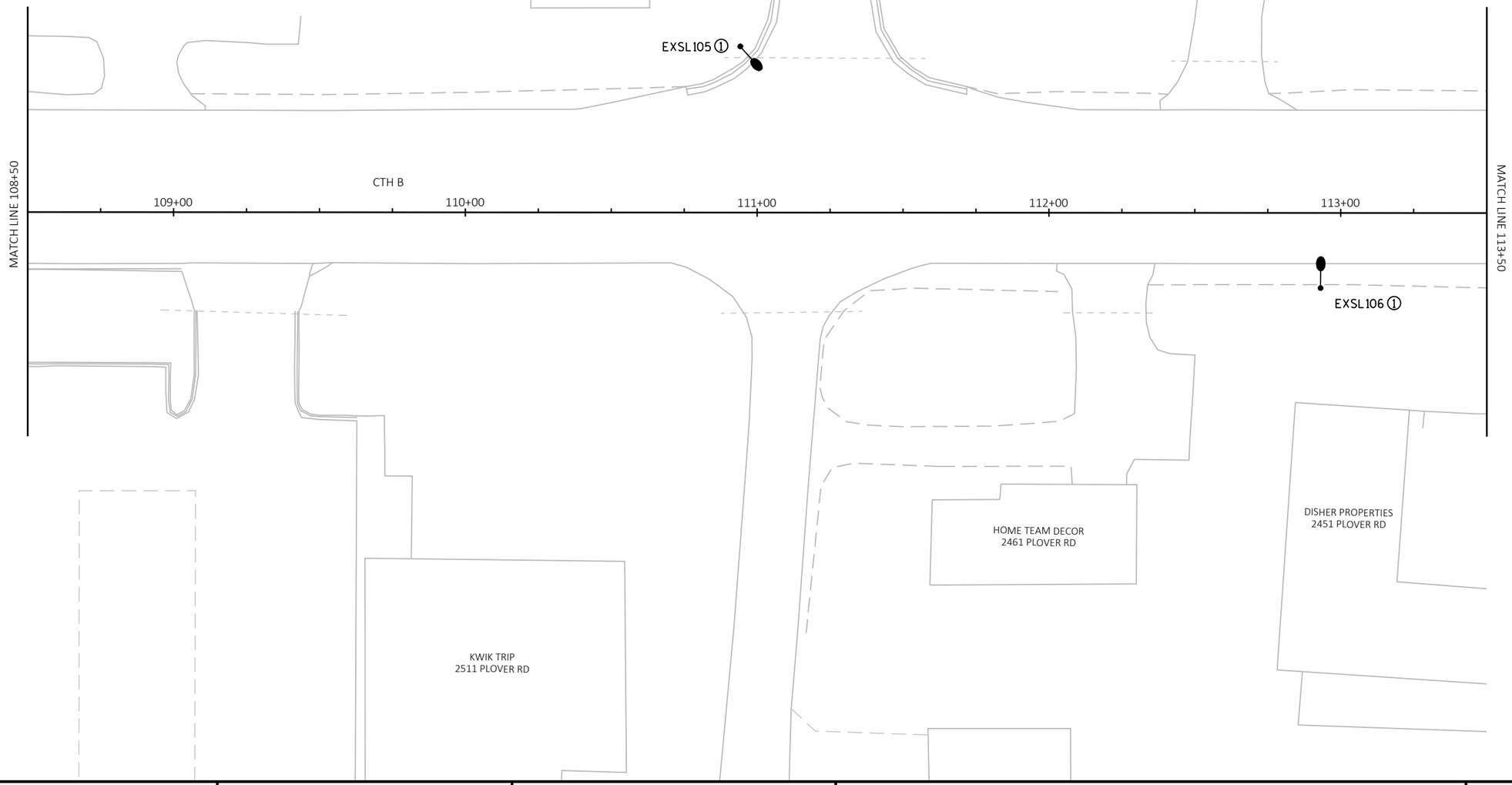
CONSTRUCTION NOTES:

1) FIELD VERIFY ALL ELECTRICAL INFRASTRUCTURE PRIOR TO REMOVAL TO ENSURE SYSTEMS DO NOT EXTEND BEYOND WHAT IS SHOWN ON THE PLANS AND POWER IS NOT CUT TO ITEMS THAT MUST REMAIN OPERATIONAL

KEYED NOTES:

① UTILITY LIGHTING REMOVAL BY OTHERS.

N



SHEET 02 OF 07

PROJECT NO: 6767-01-01	HWY: CTH B	COUNTY: PORTAGE	LIGHTING REMOVAL PLANS	SHEET 75	E

FILE NAME : G:\GREMMER\21053-000_21054-000 CTH B - PORTAGE CTY\CIVIL 3D\SHEETSPLAN\023401-LR.DWG
LAYOUT NAME - 01 PROJECT (2)

PLOT DATE : 10/23/2023 12:43 PM PLOT BY : ISAIAH ADAMS PLOT NAME : PLOT SCALE : 1 IN:40 FT

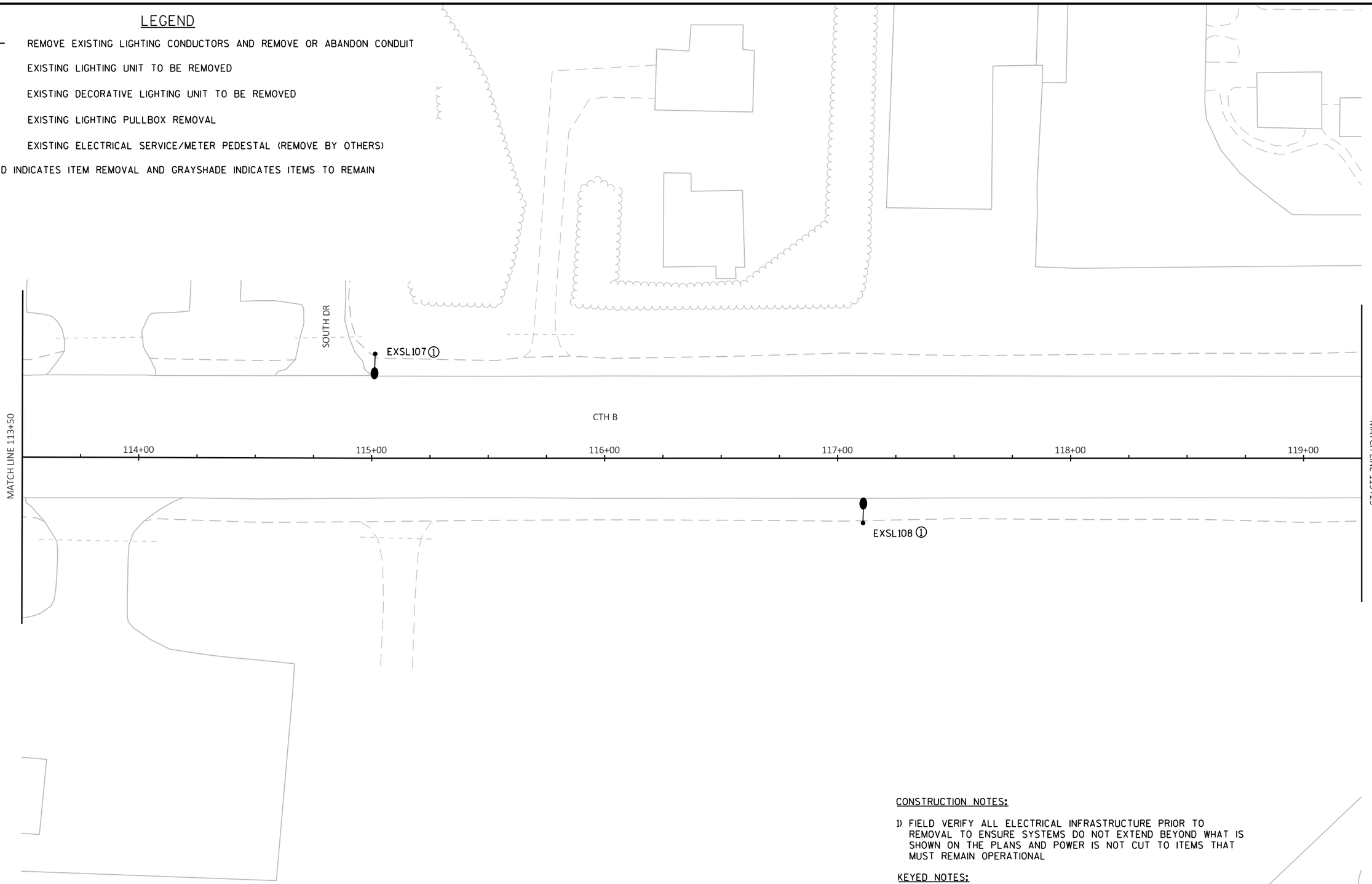
WISDOT/CADDS SHEET 42

2

LEGEND

- REMOVE EXISTING LIGHTING CONDUCTORS AND REMOVE OR ABANDON CONDUIT
- EXISTING LIGHTING UNIT TO BE REMOVED
- EXISTING DECORATIVE LIGHTING UNIT TO BE REMOVED
- EXISTING LIGHTING PULLBOX REMOVAL
- EXISTING ELECTRICAL SERVICE/METER PEDESTAL (REMOVE BY OTHERS)

*BOLD INDICATES ITEM REMOVAL AND GRAYSHADE INDICATES ITEMS TO REMAIN



CONSTRUCTION NOTES:

1) FIELD VERIFY ALL ELECTRICAL INFRASTRUCTURE PRIOR TO REMOVAL TO ENSURE SYSTEMS DO NOT EXTEND BEYOND WHAT IS SHOWN ON THE PLANS AND POWER IS NOT CUT TO ITEMS THAT MUST REMAIN OPERATIONAL

KEYED NOTES:

① UTILITY LIGHTING REMOVAL BY OTHERS.

SHEET 03 OF 07

PROJECT NO: 6767-01-01	HWY: CTH B	COUNTY: PORTAGE	LIGHTING PLANS	SHEET 76	E

FILE NAME : G:\GREMMER\21053-000_21054-000 CTH B - PORTAGE CTY\CIVIL 3D\SHEETSPLAN\023401-LR.DWG
LAYOUT NAME - 01 PROJECT (3)

PLOT DATE : 10/23/2023 12:43 PM PLOT BY : ISAIAH ADAMS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- REMOVE EXISTING LIGHTING CONDUCTORS AND REMOVE OR ABANDON CONDUIT
- EXISTING LIGHTING UNIT TO BE REMOVED
- EXISTING DECORATIVE LIGHTING UNIT TO BE REMOVED
- EXISTING LIGHTING PULLBOX REMOVAL
- EXISTING ELECTRICAL SERVICE/METER PEDESTAL (REMOVE BY OTHERS)

*BOLD INDICATES ITEM REMOVAL AND GRAYSHADE INDICATES ITEMS TO REMAIN

N

MECCA DR

CIRCLE CT

EXSL109 ①

CTH B

MATCH LINE 119+25

120+00

121+00

122+00

123+00

124+00

125

MATCH LINE 125+00

CONSTRUCTION NOTES:

1) FIELD VERIFY ALL ELECTRICAL INFRASTRUCTURE PRIOR TO REMOVAL TO ENSURE SYSTEMS DO NOT EXTEND BEYOND WHAT IS SHOWN ON THE PLANS AND POWER IS NOT CUT TO ITEMS THAT MUST REMAIN OPERATIONAL

KEYED NOTES:

① UTILITY LIGHTING REMOVAL BY OTHERS.

SHEET 04 OF 07

PROJECT NO: 6767-01-01	HWY: CTH B	COUNTY: PORTAGE	LIGHTING REMOVAL PLANS	SHEET 77	E

FILE NAME : G:\GREMMER\21053-000_21054-000 CTH B - PORTAGE CTY\CIVIL 3D\SHEETSPLAN\023401-LR.DWG
LAYOUT NAME - 01 PROJECT (4)

PLOT DATE : 10/23/2023 12:43 PM PLOT BY : ISAIAH ADAMS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- REMOVE EXISTING LIGHTING CONDUCTORS AND REMOVE OR ABANDON CONDUIT
- EXISTING LIGHTING UNIT TO BE REMOVED
- EXISTING DECORATIVE LIGHTING UNIT TO BE REMOVED
- EXISTING LIGHTING PULLBOX REMOVAL
- EXISTING ELECTRICAL SERVICE/METER PEDESTAL (REMOVE BY OTHERS)

*BOLD INDICATES ITEM REMOVAL AND GRAYSHADE INDICATES ITEMS TO REMAIN

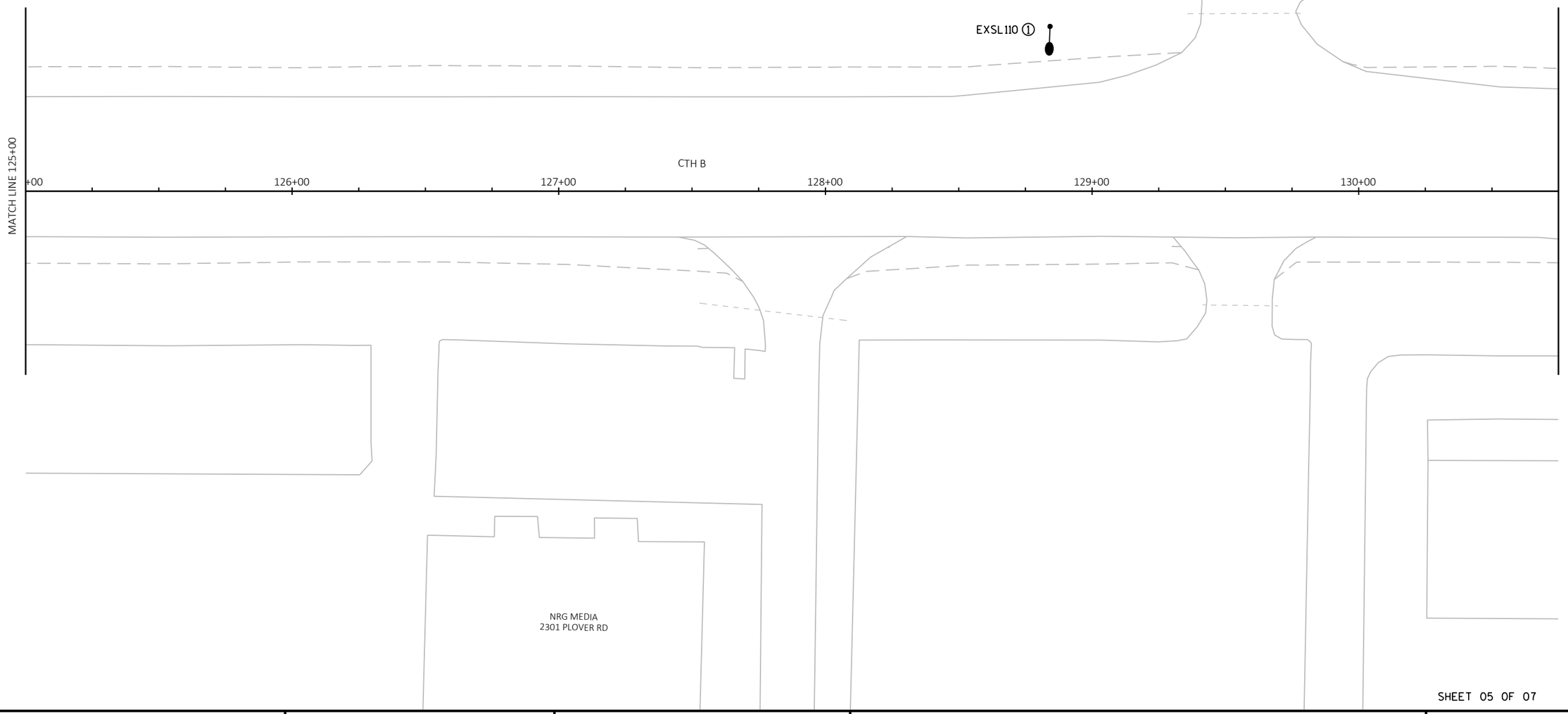
CONSTRUCTION NOTES:

1) FIELD VERIFY ALL ELECTRICAL INFRASTRUCTURE PRIOR TO REMOVAL TO ENSURE SYSTEMS DO NOT EXTEND BEYOND WHAT IS SHOWN ON THE PLANS AND POWER IS NOT CUT TO ITEMS THAT MUST REMAIN OPERATIONAL

KEYED NOTES:

① UTILITY LIGHTING REMOVAL BY OTHERS.

N



SHEET 05 OF 07

PROJECT NO: 6767-01-01	HWY: CTH B	COUNTY: PORTAGE	LIGHTING REMOVAL PLANS	SHEET 78	E

FILE NAME : G:\GREMMER\21053-000_21054-000 CTH B - PORTAGE CTY\CIVIL 3D\SHEETSPLAN\023401-LR.DWG
LAYOUT NAME - 01 PROJECT (5)

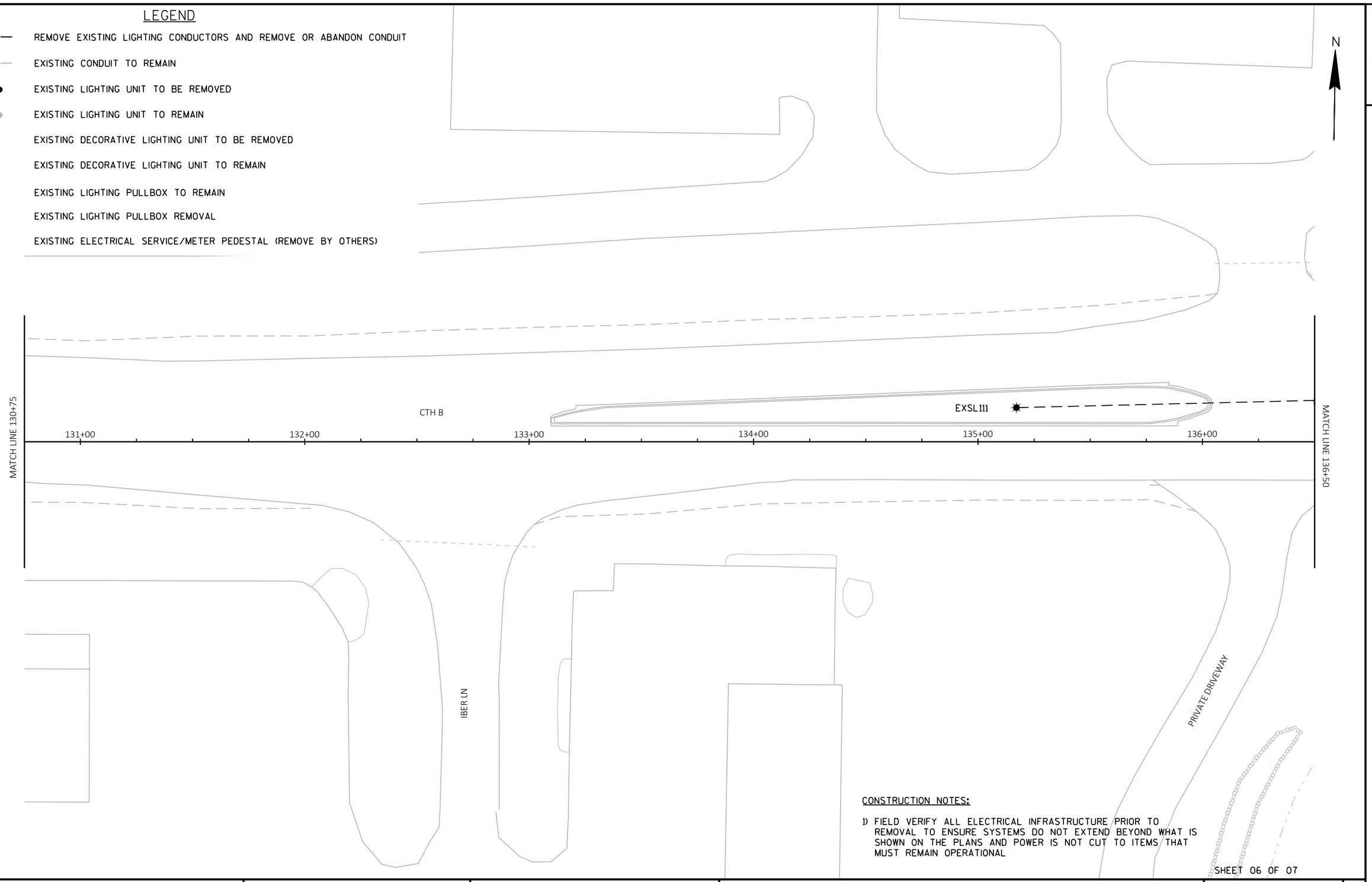
PLOT DATE : 10/23/2023 12:43 PM PLOT BY : ISAIAH ADAMS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- REMOVE EXISTING LIGHTING CONDUCTORS AND REMOVE OR ABANDON CONDUIT
- EXISTING CONDUIT TO REMAIN
- EXISTING LIGHTING UNIT TO BE REMOVED
- EXISTING LIGHTING UNIT TO REMAIN
- EXISTING DECORATIVE LIGHTING UNIT TO BE REMOVED
- EXISTING DECORATIVE LIGHTING UNIT TO REMAIN
- EXISTING LIGHTING PULLBOX TO REMAIN
- EXISTING LIGHTING PULLBOX REMOVAL
- EXISTING ELECTRICAL SERVICE/METER PEDESTAL (REMOVE BY OTHERS)



CONSTRUCTION NOTES:

1) FIELD VERIFY ALL ELECTRICAL INFRASTRUCTURE PRIOR TO REMOVAL TO ENSURE SYSTEMS DO NOT EXTEND BEYOND WHAT IS SHOWN ON THE PLANS AND POWER IS NOT CUT TO ITEMS THAT MUST REMAIN OPERATIONAL

SHEET 06 OF 07

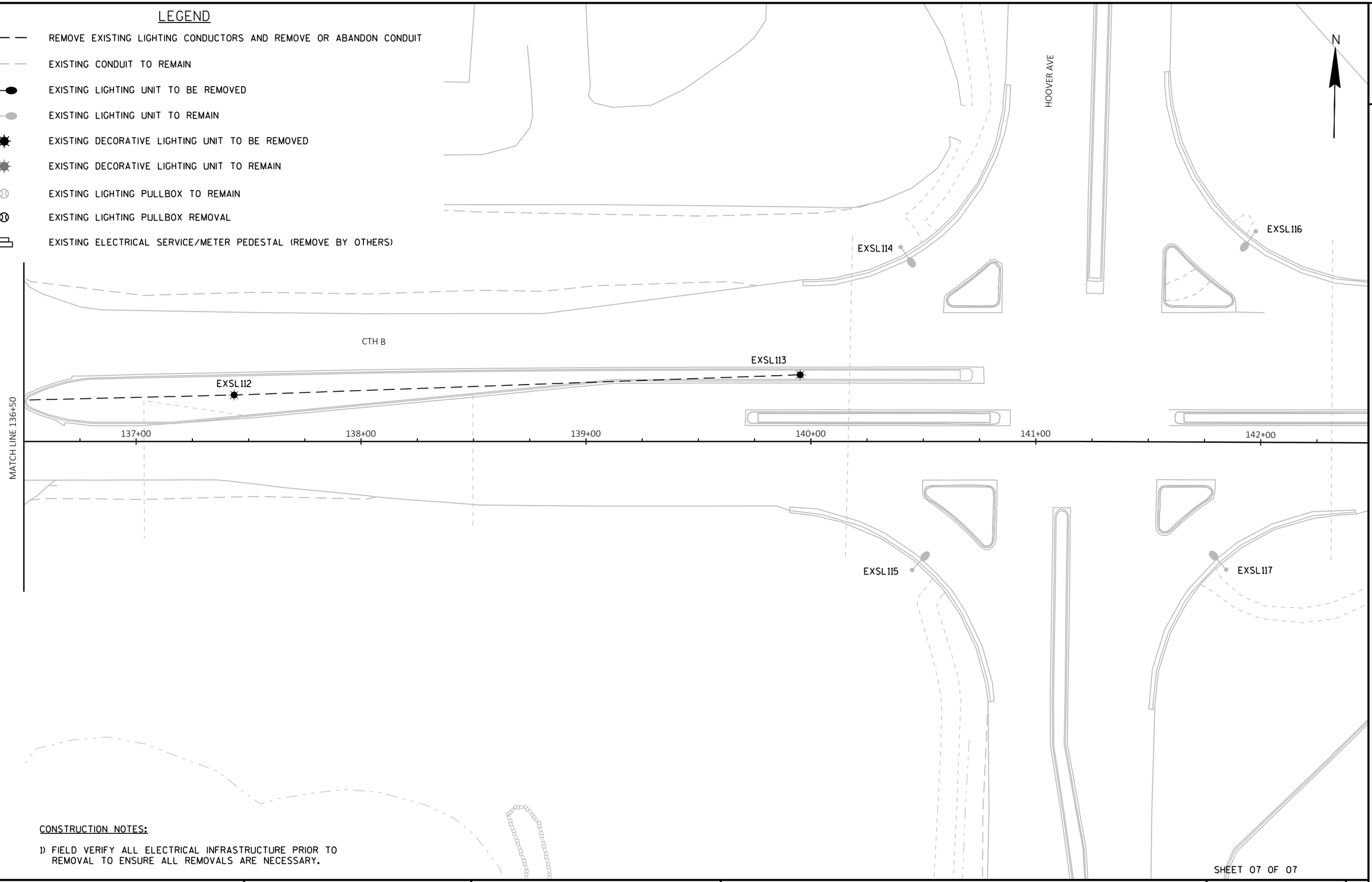
PROJECT NO: 6767-01-01	HWY: CTH B	COUNTY: PORTAGE	LIGHTING REMOVAL PLANS	SHEET 79	E

FILE NAME : G:\GREMMER\21053-000_21054-000 CTH B - PORTAGE CTY\CIVIL 3D\SHEETSPLAN\023401-LR.DWG
LAYOUT NAME - 01 PROJECT (6)
PLOT DATE : 10/23/2023 12:44 PM PLOT BY : ISAIAH ADAMS PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- REMOVE EXISTING LIGHTING CONDUCTORS AND REMOVE OR ABANDON CONDUIT
- EXISTING CONDUIT TO REMAIN
- EXISTING LIGHTING UNIT TO BE REMOVED
- EXISTING LIGHTING UNIT TO REMAIN
- EXISTING DECORATIVE LIGHTING UNIT TO BE REMOVED
- EXISTING DECORATIVE LIGHTING UNIT TO REMAIN
- EXISTING LIGHTING PULLBOX TO REMAIN
- EXISTING LIGHTING PULLBOX REMOVAL
- EXISTING ELECTRICAL SERVICE/METER PEDESTAL (REMOVE BY OTHERS)



CONSTRUCTION NOTES:

1) FIELD VERIFY ALL ELECTRICAL INFRASTRUCTURE PRIOR TO REMOVAL TO ENSURE ALL REMOVALS ARE NECESSARY.

2

SHEET 07 OF 07

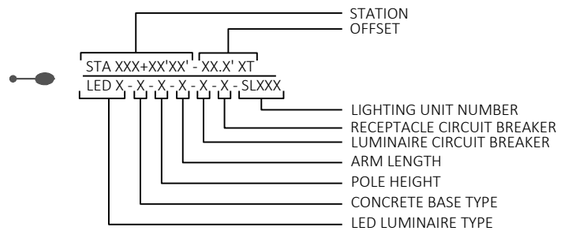
PROJECT NO: 6767-01-01	HWY: CTH B	COUNTY: PORTAGE	LIGHTING REMOVAL PLANS	SHEET 80	E

FILE NAME : G:\GREMMER\21053-000_21054-000 CTH B - PORTAGE CTY\CIVIL 3D\SHEETSPLAN\023401-LR.DWG
LAYOUT NAME - HOOVER AVE (7)
PLOT DATE : 10/23/2023 12:44 PM PLOT BY : ISAIAH ADAMS PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

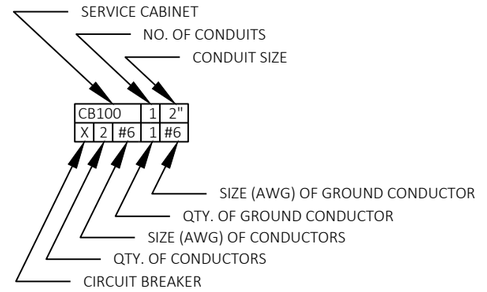
2

LIGHTING PLAN LEGEND:

- PROPOSED OVERHEAD LIGHTING UNIT
- EXISTING LIGHTING UNIT
- EXISTING DECORATIVE ACORN LIGHTING UNIT
- PULL BOX NON-CONDUCTIVE (24"X42")
- LIGHTING CONDUIT NON METALLIC SCHEDULE 40 PVC
- LIGHTING CONDUIT NON METALLIC SCHEDULE 80 PVC
- EXISTING CONDUIT



CONDUIT/CONDUCTOR LEGEND



PWO = PULL WIRE ONLY

NEU = NEUTRAL

GENERAL STREET LIGHTING NOTES:

1) THE ENGINEER SHALL APPROVE THE FINAL LOCATION FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION.

2) PITCH ALL CONDUITS TOWARD PULLBOXES. INSTALL A 2" DRAIN DUCT TO DITCH OR STORM SEWER AS REQUIRED FOR DRAINAGE. THIS 2" DRAIN DUCT IS INCIDENTAL TO THE PULL BOX BID ITEM. DRAIN DUCT IS NOT SHOWN. DO NOT SPLICE IN PULLBOXES.

3) THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

4) CHECK FOR OVERHEAD UTILITY CONFLICTS PRIOR TO CONSTRUCTING CONCRETE BASES.

CONDUCTOR COLOR LEGEND

CB100

LIGHTING CONDUCTORS
A - RED
B - BLACK
C - RED
D - BLACK
240V PHASE TO PHASE

2

1 =

CB100	1	2"
A	2 #8	1 #8

3 =

CB100	1	2"
C	2 #8	1 #8

N

WISCONSIN AVE

R/W (TYP.)

EXSL101

EXSL100

CTH B

1 STA 106+10 - 48.3' LT
LED B - 6 - 35' - 4' - C - 11 - SL101

STA 105+04 - 32.7' RT
LED B - 6 - 35' - 4' - A - 9 - SL100 (1)

STA 107+02 - 30.3' RT
LED B - 6 - 35' - 4' - A - 9 - SL102

STA 107+46 - 34.2' RT
LED B - 6 - 35' - 4' - A - 9 - SL103

107+46 - 48.7' LT
LPB101

108+39' - 47.3' LT
LPB103

CB100	1	2"
C	4 #8	2 #8

STA 108+18 - 52.5' LT
LED B - 6 - 35' - 4' - C - 11 - SL104

XXXXXXXXXX

PWO 1-2"

107+33 - 30.1' RT
LPB100

CB100	1	2"
A	4 #8	2 #8

108+40 - 29.6' RT
LPB102

XXXXXXXXXX

MADISON AVE

R/W (TYP.)

103+00 104+00 105+00 106+00 107+00 108+00

MATCH LINE 108+50

CONSTRUCTION NOTES:

1) EXISTING LIGHTING WEST OF THE PROJECT LIMITS SHALL REMAIN OPERATIONAL

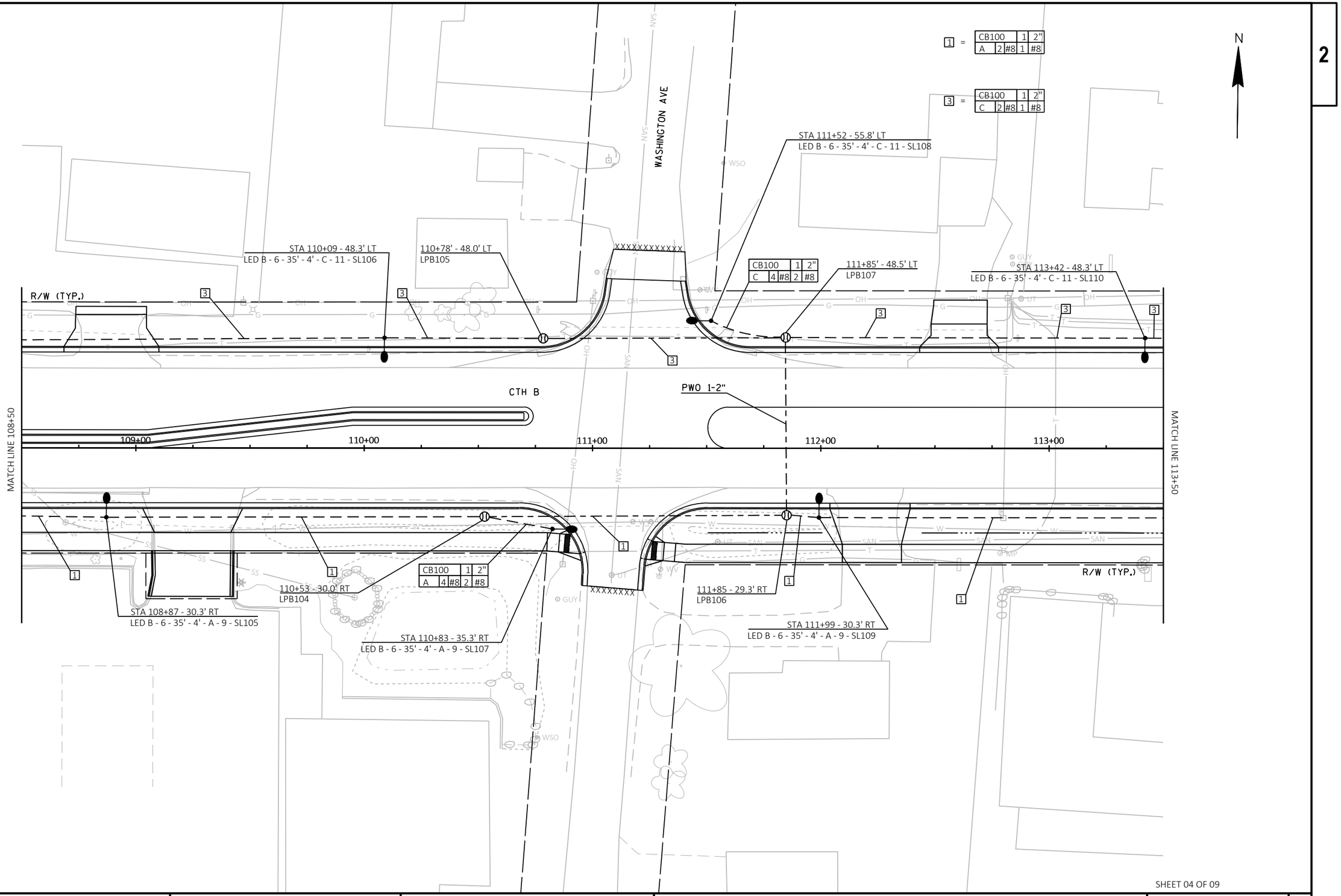
KEYED NOTES:

(1) STUB OUT CONDUIT FOR FUTURE USE.

SHEET 03 OF 09

PROJECT NO: 6767-01-01	HWY: CTH B	COUNTY: PORTAGE	LIGHTING PLANS	SHEET 82	E

FILE NAME : G:\GREMMER\21053-000_21054-000 CTH B - PORTAGE CTY\CIVIL 3D\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - 01 PROJECT (1)
PLOT DATE : 10/27/2023 4:04 PM PLOT BY : ISAIAH ADAMS PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42



SHEET 04 OF 09

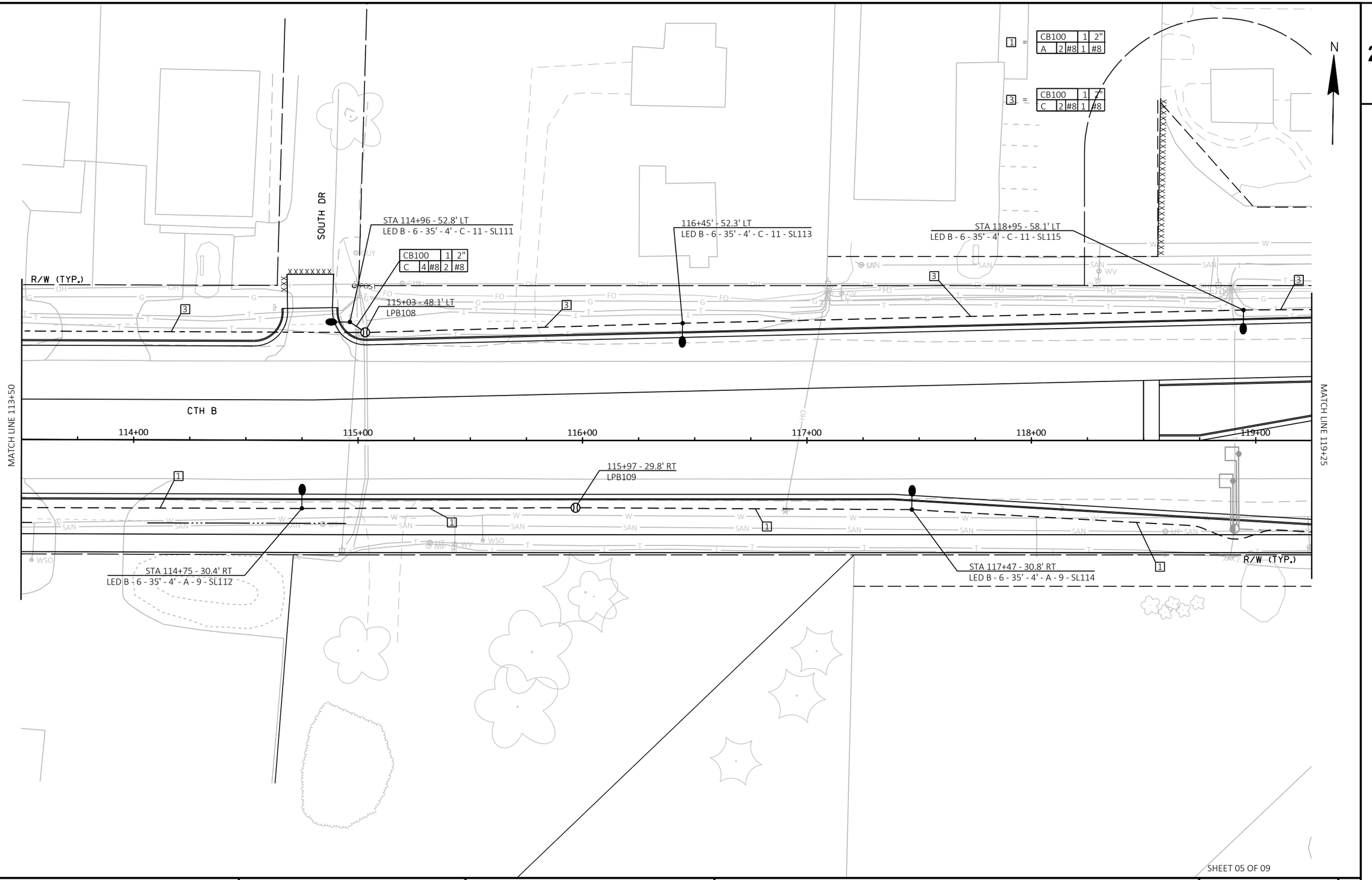
PROJECT NO: 6767-01-01	HWY: CTH B	COUNTY: PORTAGE	LIGHTING PLANS	SHEET 83	E

FILE NAME : G:\GREMMER\21053-000_21054-000 CTH B - PORTAGE CTY\CIVIL 3D\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - 01 PROJECT (2)

PLOT DATE : 10/27/2023 4:04 PM PLOT BY : ISAIAH ADAMS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



SHEET 05 OF 09

PROJECT NO: 6767-01-01	HWY: CTH B	COUNTY: PORTAGE	LIGHTING PLANS	SHEET 84	E

FILE NAME : G:\GREMMER\21053-000_21054-000 CTH B - PORTAGE CTY\CIVIL 3D\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - 01 PROJECT (3)

PLOT DATE : 10/27/2023 4:04 PM PLOT BY : ISAIAH ADAMS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

1 =	CB100	1	2"	2 =	CB100	1	2"
	A	2 #8	1 #8		B	2 #8	1 #8
3 =	CB100	1	2"	4 =	CB100	1	2"
	C	2 #8	1 #8		D	2 #8	1 #8

N

MECCA DR

R/W (TYP.)

CIRCLE CT

CTH B

PROPOSED R/W (TYP.)

121+73 - 104.9' LT
LPB114

PWO 1-2"

121+24 - 74.3' LT
LPB111

PWO 1-2"

122+52 - 105.1' LT
LPB115

PWO 1-2"

123+05 - 71.3' LT
LPB117

STA 123+72 - 72.0' LT
LED B - 6 - 35' - 4' - D - 12 - SL117

120+00 121+00 122+00 123+00 124+00 125+00

MATCH LINE 119+25

MATCH LINE 125+00

121+22 - 41.4' RT
LPB110

122+35' - 64.4' RT
LPB116

123+03' - 34.6' RT
LPB118

STA 124+78 - 30.3' RT
LED B - 6 - 35' - 4' - B - 10 - SL118

STA 120+04 - 41.2' RT
LED B - 6 - 35' - 4' - A - 9 - SL116

CB100	1	3"
A	2 #8	1 #8
C	2 #8	-- --

CB100	1	3"
A	2 #8	1 #8
C	2 #8	-- --

121+66' - 55.7' RT
LPB112

PWO 1-3"

121+63 - 59.4' RT
CB100

CB100	1	3"
B	2 #8	1 #8
D	2 #8	-- --

121+66' - 63.4' RT
LPB113

CB100	1	3"
B	2 #8	1 #8
D	2 #8	-- --

CONSTRUCTION NOTES:

1) SEE SIGNAL PLANS FOR SHARED LIGHTING INFRASTRUCTURE AT THE MECCA DR. INTERSECTION

2) COORDINATE LOCATION OF THE LIGHTING CONTROL CABINET WITH THE SIGNAL CABINET.

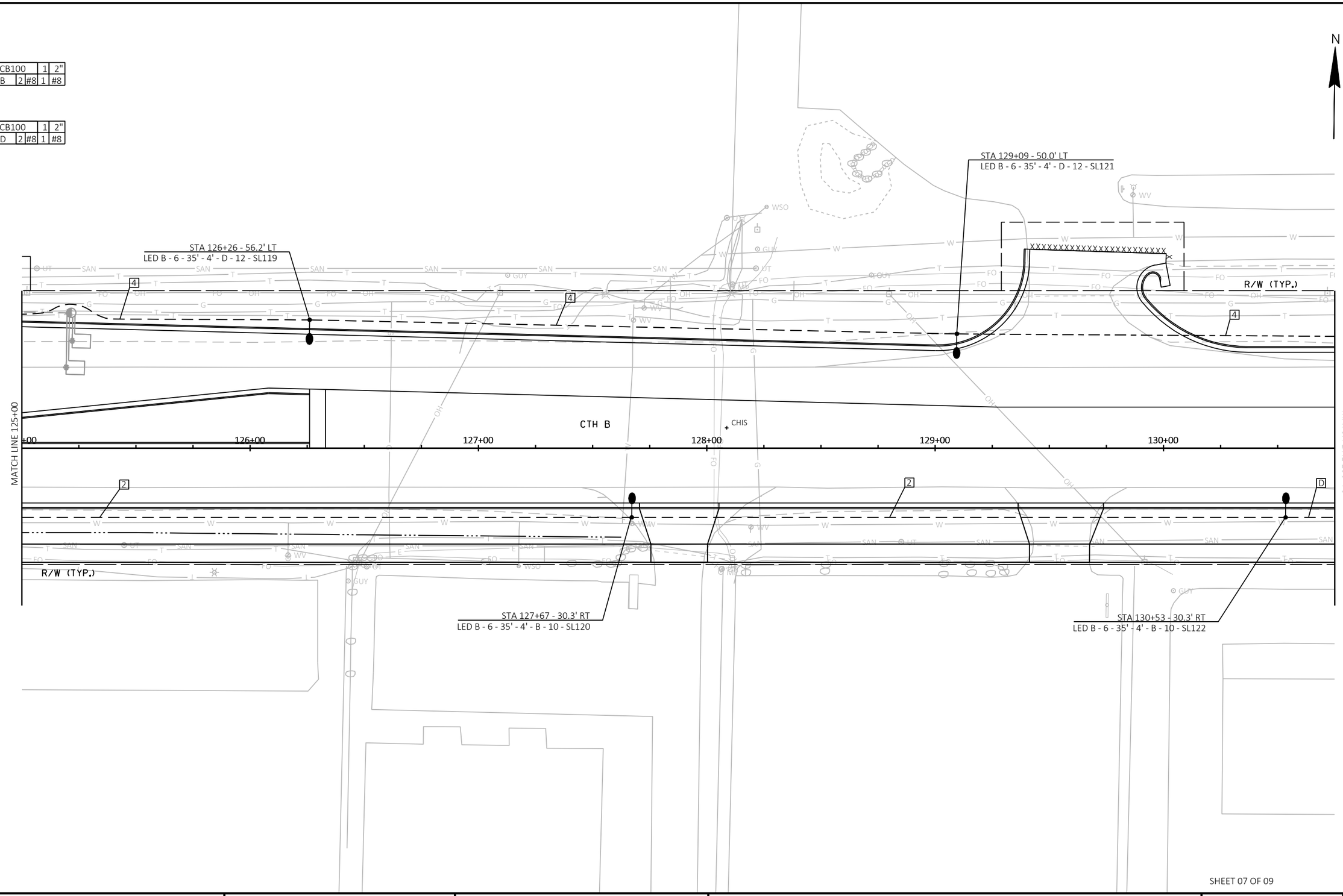
3) SIGNAL AND LIGHTING CONTROL CABINETS SHALL SHARE A CONCRETE BASE AND METER BREAKER PEDESTAL.

SHEET 06 OF 09

PROJECT NO: 6767-01-01	HWY: CTH B	COUNTY: PORTAGE	LIGHTING PLANS	SHEET 85	E

2 = | CB100 | | 1 | 2" |
|---|---|---|---|
| B | 2 | #8 | 1 | #8 |

4 = | CB100 | | 1 | 2" |
|---|---|---|---|
| D | 2 | #8 | 1 | #8 |



SHEET 07 OF 09

PROJECT NO: 6767-01-01	HWY: CTH B	COUNTY: PORTAGE	LIGHTING PLANS	SHEET 86	E

FILE NAME : G:\GREMMER\21053-000_21054-000 CTH B - PORTAGE CTY\CIVIL 3D\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - 01 PROJECT (5)

PLOT DATE : 10/27/2023 4:05 PM PLOT BY : ISAIAH ADAMS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2 =	CB100		1	2"
	B	2 #8	1	#8

4 =	CB100		1	2"
	D	2 #8	1	#8

N

STA 131+79 - 49.8' LT
LED B - 6 - 35' - 4' - D - 12 - SL123

R/W (TYP.)

133+85 - 50.5' LT
LPB121

STA135+08 - 54.1' LT
LED B - 6 - 35' - 4' - D - 12 - SL126

CTH B

MATCH LINE 130+75

131+00 132+00 133+00 134+00 135+00 136+00

MATCH LINE 136+50

132+12 - 30.5' RT
LPB119

STA 133+56 - 27.2' RT
LED B - 6 - 35' - 4' - B -10 - SL125

133+34 - 28.5' RT
LPB120

CB100		1	2"
B	4 #8	2	#8

STA 132+97 - 56.7' RT
LED B - 6 - 35' - 4' - B - 10 - SL124

IBER LN

R/W (TYP.)

SHEET 08 OF 09

PROJECT NO: 6767-01-01	HWY: CTH B	COUNTY: PORTAGE	LIGHTING PLANS	SHEET 87	E

FILE NAME : G:\GREMMER\21053-000_21054-000 CTH B - PORTAGE CTY\CIVIL 3D\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - 01 PROJECT (6)

PLOT DATE : 10/27/2023 4:05 PM PLOT BY : ISAIAH ADAMS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

B = CB100 | 1 | 2"
2/4 | 2 | #8 | 1 | #8

4 = CB100 | 1 | 2"
D | 2 | #8 | 1 | #8

N

HOOVER AVE

R/W (TYP.)

EXSL114

EXSL116

1 139+39 - 69.8' LT
LED B - 6 - 35' - 4' - D - 12 - SL130

137+89 - 60.7' LT
LED B - 6 - 35' - 4' - D - 12 - SL128

137+21 - 58.2' LT
LPB123

PWO 1-2"

MATCH LINE 136+50

137+00 138+00 139+00 140+00 141+00 142+00

CTH B

136+55' - 23.8' RT
LED B - 6 - 35' - 4' - B - 10 - SL127

137+18 - 21.8' RT
LPB122

139+03 - 37.7' RT
LED B - 6 - 35' - 4' - B - 10 - SL129 1

EXSL115

EXSL117

R/W (TYP.)

KEYED NOTES:

1 STUB OUT CONDUIT FOR FUTURE USE.

CONSTRUCTION NOTES:

1) LIGHTING AT HOOVER AVE TO REMAIN OPERATINAL

SHEET 09 OF 09

PROJECT NO: 6767-01-01	HWY: CTH B	COUNTY: PORTAGE	LIGHTING PLANS	SHEET 88	E

FILE NAME : G:\GREMMER\21053-000_21054-000 CTH B - PORTAGE CTY\CIVIL 3D\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - 01 PROJECT (7)

PLOT DATE : 10/27/2023 4:05 PM PLOT BY : ISAIAH ADAMS PLOT NAME : PLOT SCALE : 1 IN:40 FT

CONSTRUCTION NOTES:

1) THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN.

2) THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH UTILITY FACILITIES.

3) THE FINAL LOCATION AND ORIENTATION OF PEDESTRIAN BUTTONS MUST ADHERE TO THE LATEST STANDARDS OF THE AMERICANS WITH DISABILITIES ACT. CONTRACTOR IS TO INSTALL APS SYTEM AT THIS INTERSECTION.

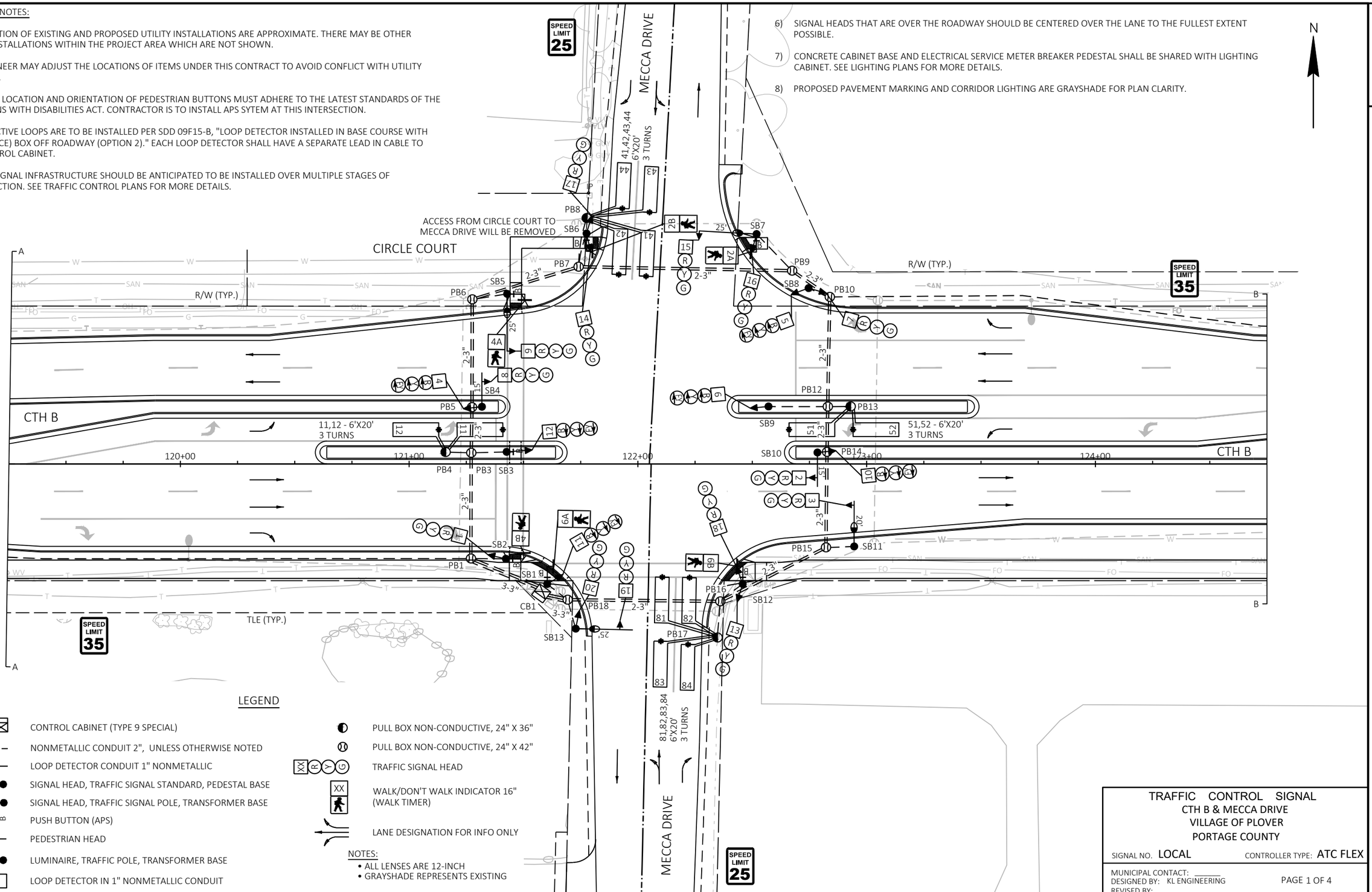
4) ALL INDUCTIVE LOOPS ARE TO BE INSTALLED PER SDD 09F15-B, "LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)." EACH LOOP DETECTOR SHALL HAVE A SEPARATE LEAD IN CABLE TO THE CONTROL CABINET.

5) TRAFFIC SIGNAL INFRASTRUCTURE SHOULD BE ANTICIPATED TO BE INSTALLED OVER MULTIPLE STAGES OF CONSTRUCTION. SEE TRAFFIC CONTROL PLANS FOR MORE DETAILS.

6) SIGNAL HEADS THAT ARE OVER THE ROADWAY SHOULD BE CENTERED OVER THE LANE TO THE FULLEST EXTENT POSSIBLE.

7) CONCRETE CABINET BASE AND ELECTRICAL SERVICE METER BREAKER PEDESTAL SHALL BE SHARED WITH LIGHTING CABINET. SEE LIGHTING PLANS FOR MORE DETAILS.

8) PROPOSED PAVEMENT MARKING AND CORRIDOR LIGHTING ARE GRAYSHADE FOR PLAN CLARITY.



LEGEND

- CONTROL CABINET (TYPE 9 SPECIAL)
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- PUSH BUTTON (APS)
- PEDESTRIAN HEAD
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX NON-CONDUCTIVE, 24" X 36"
- PULL BOX NON-CONDUCTIVE, 24" X 42"
- TRAFFIC SIGNAL HEAD
- XX WALK/DON'T WALK INDICATOR 16" (WALK TIMER)
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
CTH B & MECCA DRIVE
VILLAGE OF PLOVER
PORTAGE COUNTY

SIGNAL NO. LOCAL CONTROLLER TYPE: ATC FLEX

MUNICIPAL CONTACT: _____
DESIGNED BY: KL ENGINEERING
REVISED BY: _____

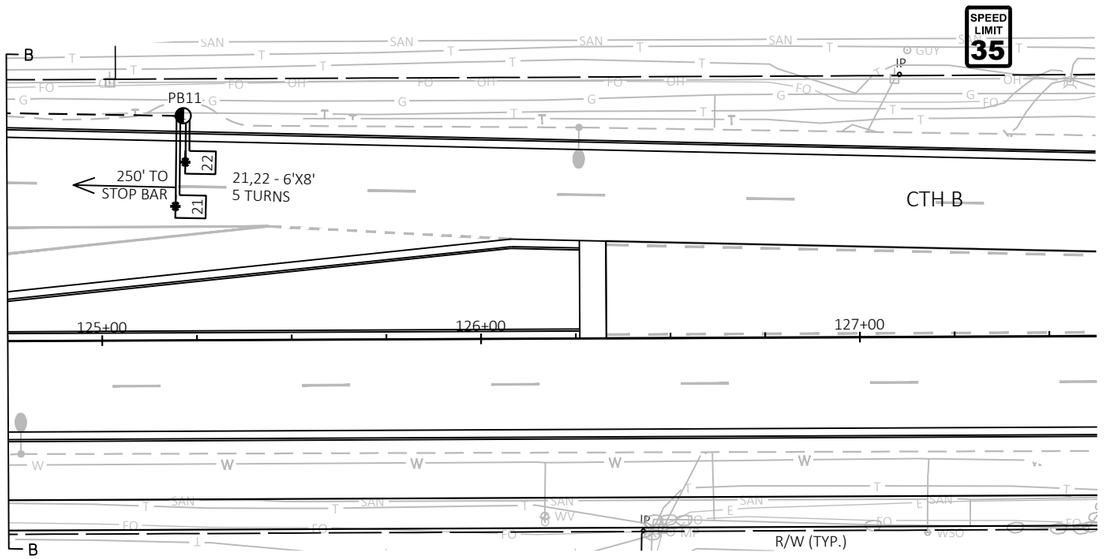
PAGE 1 OF 4

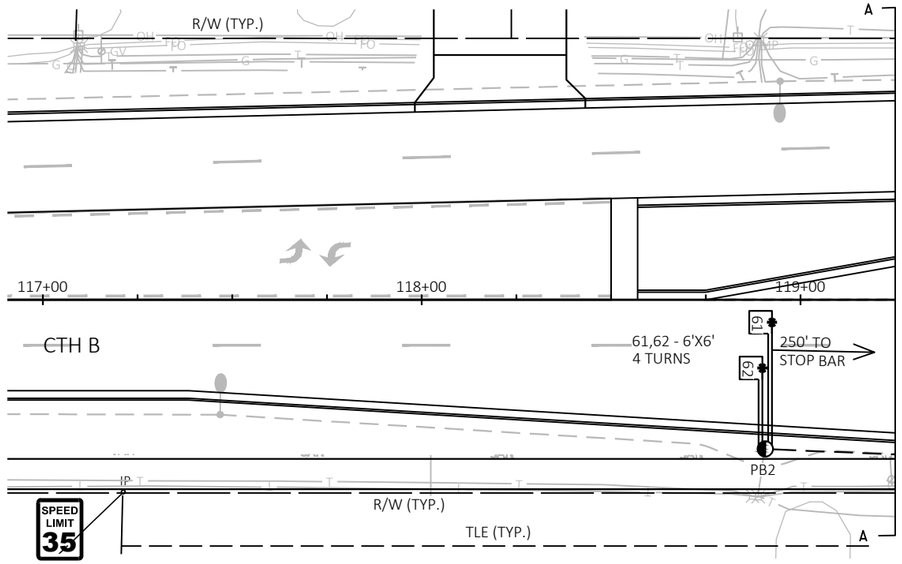
PROJECT NO: 6767-01-01/6767-02-01	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC SIGNAL PLAN	SHEET 89	E

FILE NAME : G:\GREMMER\21053-000_21054-000 CTH B - PORTAGE CTY\CIVIL 3D\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - Mecca Dr
PLOT DATE : 10/27/2023 1:25 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N





LEGEND

- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX NON-CONDUCTIVE, 24" X 36"
- LANE DESIGNATION FOR INFO ONLY

NOTES:

- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
CTH B & MECCA DRIVE
VILLAGE OF PLOVER
PORTAGE COUNTY

SIGNAL NO. LOCAL CONTROLLER TYPE: ATC FLEX

MUNICIPAL CONTACT: _____
DESIGNED BY: KL ENGINEERING
REVISED BY: _____

PAGE 2 OF 4

PROJECT NO: 6767-01-01/6767-02-01	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC SIGNAL PLAN	SHEET 90	E

FILE NAME : G:\GREMMER\21053-000_21054-000 CTH B - PORTAGE CTY\CIVIL 3D\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - Mecca Dr Tails

PLOT DATE : 10/27/2023 1:25 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

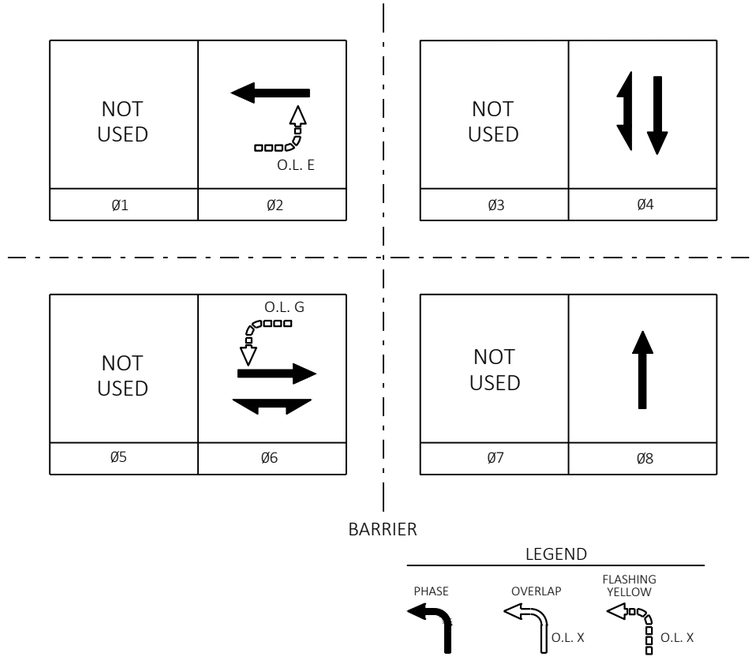
WISDOT/CADDS SHEET 42

2

N

	HEAD NUMBERS	FLASH
Ø1		
Ø2	7,8,9	R
Ø3		
Ø4	17,18,19,20	R
Ø5		
Ø6	1,2,3	R
Ø7		
Ø8	13,14,15,16	R
Ø2 PED	2A,2B	
Ø4 PED	4A,4B	
Ø6 PED	6A,6B	

O.L. ASSIGNMENT		
O.L. E	4,5,6	R
O.L. G	10,11,12	R
Ø2		
Ø6		



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W /Ø	PHASE RECALL	PHASE ACTIVE
1				
2	X	6	MIN	X
3				
4		8		X
5				
6	X	2	MIN	X
7				
8		4		X

TYPE OF PRE-EMPT	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
GTT	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

TYPE OF INTERCONNECT	
NONE	X
TBC	
CLOSED LOOP TWISTED PAIR	
CLOSED LOOP FIBER OPTIC	
RADIO	

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	X
IN SEPARATE LIGHTING CABINET	X

TYPE OF REMOTE COMMUNICATION	
NONE	X
FIBER	
CELL MODEM	
PHONE	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
DETECTOR #(S)	11	21	41	43	45	51	61	81
PHASE CALLED	1	2	4	4	4	5	6	8
PHASE EXTENDED	1	2	4	4	4	5	6	8
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH		X					X	
LOOP FUNCTION								

19	17	23	21	27	25	31	29	DETECTOR INPUT
83								DETECTOR #(S)
8								PHASE CALLED
8								PHASE EXTENDED
								DISCONNECT TIME
								CALLING DELAY
								EXTENSION STRETCH
								LOOP FUNCTION

DETECTOR INPUT	4	2	8	6	12	10	16	14
DETECTOR #(S)	12	22	42	44	46	52	62	82
PHASE CALLED	1	2	4	4	4	5	6	8
PHASE EXTENDED	1	2	4	4	4	5	6	8
DISCONNECT TIME								
CALLING DELAY			X	X				X
EXTENSION STRETCH		X					X	
LOOP FUNCTION								

20	18	24	22	28	26	32	30	DETECTOR INPUT
84								DETECTOR #(S)
8								PHASE CALLED
8								PHASE EXTENDED
								DISCONNECT TIME
X								CALLING DELAY
								EXTENSION STRETCH
								LOOP FUNCTION

TRAFFIC CONTROL SIGNAL
CTH B & MECCA DRIVE
VILLAGE OF PLOVER
PORTAGE COUNTY

SIGNAL NO. LOCAL CONTROLLER TYPE: ATC FLEX

MUNICIPAL CONTACT: _____
DESIGNED BY: KL ENGINEERING
REVISED BY: _____

PROJECT NO: 6767-01-01/6767-02-01	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC SIGNAL PLAN	SHEET 91	E

FILE NAME : G:\GREMMER\21053-000_21054-000 CTH B - PORTAGE CTY\CIVIL 3D\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - Mecca SOO
PLOT DATE : 10/27/2023 1:26 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

INTERSECTION:	CTH B & MECCA DRIVE

SIGNAL WIRE	BLK-BLACK	RED-RED	GRN-GREEN
COLOR CODING	WHT-WHITE	BLU-BLUE	ORG-ORANGE

DATE:	Oct-23

CB1 TO	AWG 14 # OF COND.	HEAD NO.	PHASE	SIGNAL INDICATION WIRE COLOR									PED BUTTON	OTHER
				RED	YELLOW	GREEN	<RED>	<YELLOW>	<FLASH YEL>	<GREEN>	DWALK	WALK		
SB1	12	11	2				RED/BLK	ORG/BLK	BLK/WHT					
		6A	6								BLK	BLU		
		BUTTON	6										WHT/BLK	
SB2	7	1	6	RED	ORG	GRN								
		4B	4								BLK	BLU		
		BUTTON	4										WHT/BLK	
SB3	12	12	5				RED/BLK	ORG/BLK	BLK/WHT					
		BUTTON											WHT/BLK	
SB4	12	8	2	RED	ORG	GRN								
		4	1				RED/BLK	ORG/BLK	BLK/WHT					
SB5	7	9	2	RED	ORG	GRN								
		4A	4								BLK	BLU		
		BUTTON	4										WHT/BLK	
SB6	12	14	8	RED	ORG	GRN								
		17	4	RED/BLK	ORG/BLK	BLK/WHT								
		2B	2								BLK	BLU		
		BUTTON	2										WHT/BLK	
SB7	7	15	8	RED	ORG	GRN								
		16	8	RED	ORG	GRN								
		2A	2								BLK	BLU		
		BUTTON	2										WHT/BLK	
SB8	12	7	2	RED	ORG	GRN								
		5	1				RED/BLK	ORG/BLK	BLK/WHT					
SB9	12	6	1				RED/BLK	ORG/BLK	BLK/WHT					
SB10	12	2	6	RED	ORG	GRN								
		10	5				RED/BLK	ORG/BLK	BLK/WHT					
SB11	7	3	6	RED	ORG	GRN								
SB12	12	13	8	RED	ORG	GRN								
		18	4	RED/BLK	ORG/BLK	BLK/WHT								
		6B	6								BLK	BLU		
		BUTTON	6										WHT/BLK	
SB13	7	19	4	RED	ORG	GRN								
		20	4	RED	ORG	GRN								

EQUIPMENT GROUNDING CONDUCTORS 10 AWG GRN XLP	
FROM	TO
CB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	SB9
SB9	SB10
SB10	SB11
SB11	SB12
SB12	SB13
SB13	SB1
SB1	CB1

LIGHTING UF 2-12 AWG GROUNDED	
FROM	TO
CB1	SB5
SB5	SB7
CB1	SB13
SB13	SB11

NOTES:

1) USE WHITE CONDUCTOR IN THE SIGNAL CABLE AS THE GROUNDED CONDUCTOR FOR ALL TRAFFIC SIGNAL INDICATIONS.

2) ENSURE THE GROUNDED CONDUCTOR IN THE FEEDER CABLE AND THE POLE CABLES ARE BOTH 18" LONGER THAN THE UNGROUNDED CONDUCTORS.

3) AT THE SIGNAL BASES, CONNECT ONE TERMINAL FROM THE PEDESTRIAN PUSH BUTTONS TO THE COLOR INDICATED IN THE CHART. CONNECT THE OTHER TERMINAL TO THE GROUNDED CONDUCTOR.

TRAFFIC CONTROL SIGNAL
CTH B & MECCA DRIVE
VILLAGE OF PLOVER
PORTAGE COUNTY

SIGNAL NO. LOCAL CONTROLLER TYPE: ATC FLEX

MUNICIPAL CONTACT: _____
DESIGNED BY: KL ENGINEERING
REVISED BY: _____

PROJECT NO: 6767-01-01/6767-02-01	HWY: CTH B	COUNTY: PORTAGE	CABLE ROUTING	SHEET 92	E

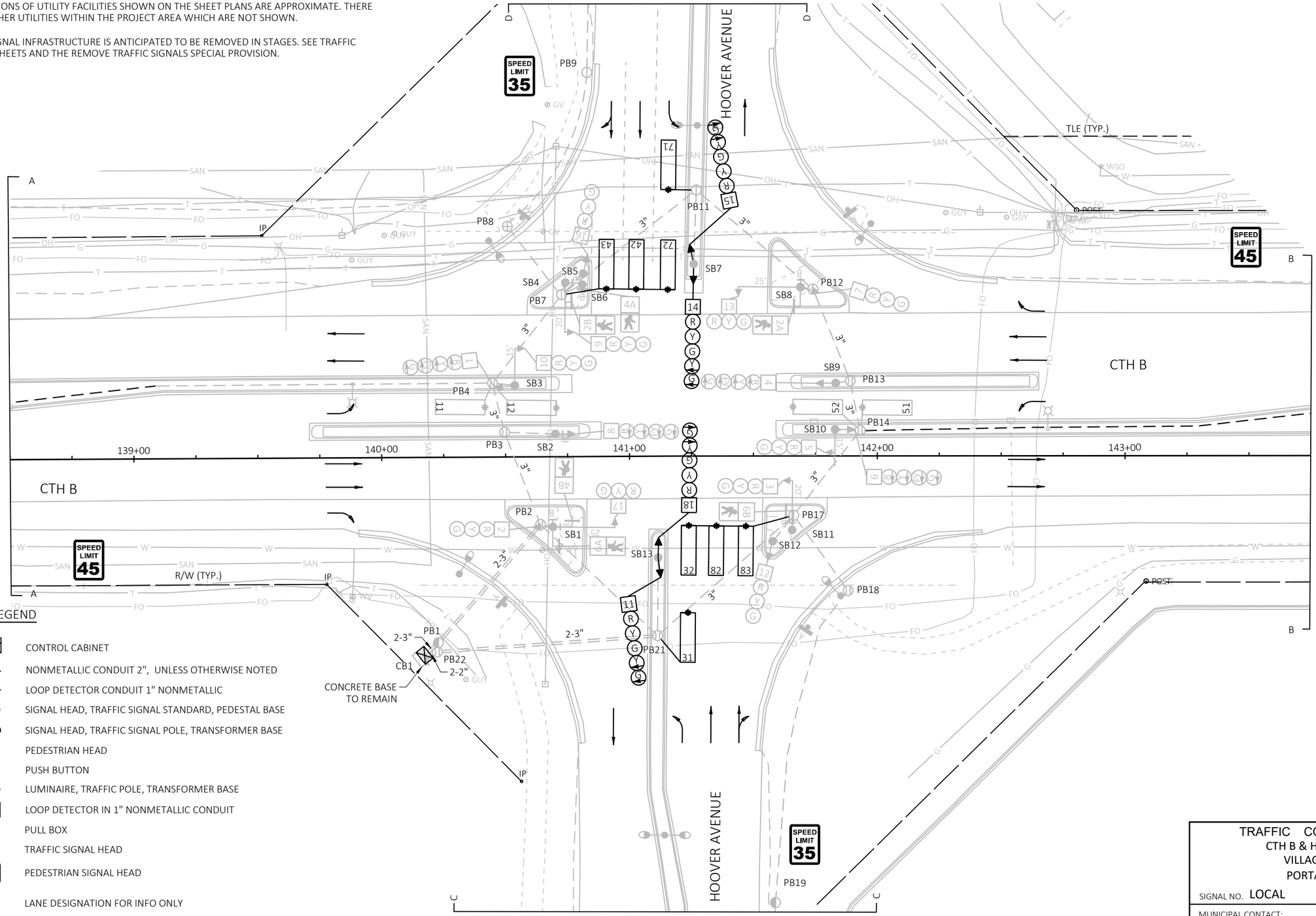
FILE NAME : G:\GREMMER\21053-000_21054-000 CTH B - PORTAGE CTY\CIVIL 3D\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - Mecca CABLING
PLOT DATE : 10/27/2023 1:26 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

CONSTRUCTION NOTES:

1) THE LOCATIONS OF UTILITY FACILITIES SHOWN ON THE SHEET PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN.

2) TRAFFIC SIGNAL INFRASTRUCTURE IS ANTICIPATED TO BE REMOVED IN STAGES. SEE TRAFFIC CONTROL SHEETS AND THE REMOVE TRAFFIC SIGNALS SPECIAL PROVISION.



LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- PEDESTRIAN HEAD
- PB PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD
- LANE DESIGNATION FOR INFO ONLY

NOTE: BOLD REPRESENTS ITEMS TO BE REMOVED OR ABANDONED

TRAFFIC CONTROL SIGNAL
CTH B & HOOVER AVENUE
VILLAGE OF PLOVER
PORTAGE COUNTY

SIGNAL NO. LOCAL

MUNICIPAL CONTACT: _____
DESIGNED BY: KL ENGINEERING
REVISED BY: _____

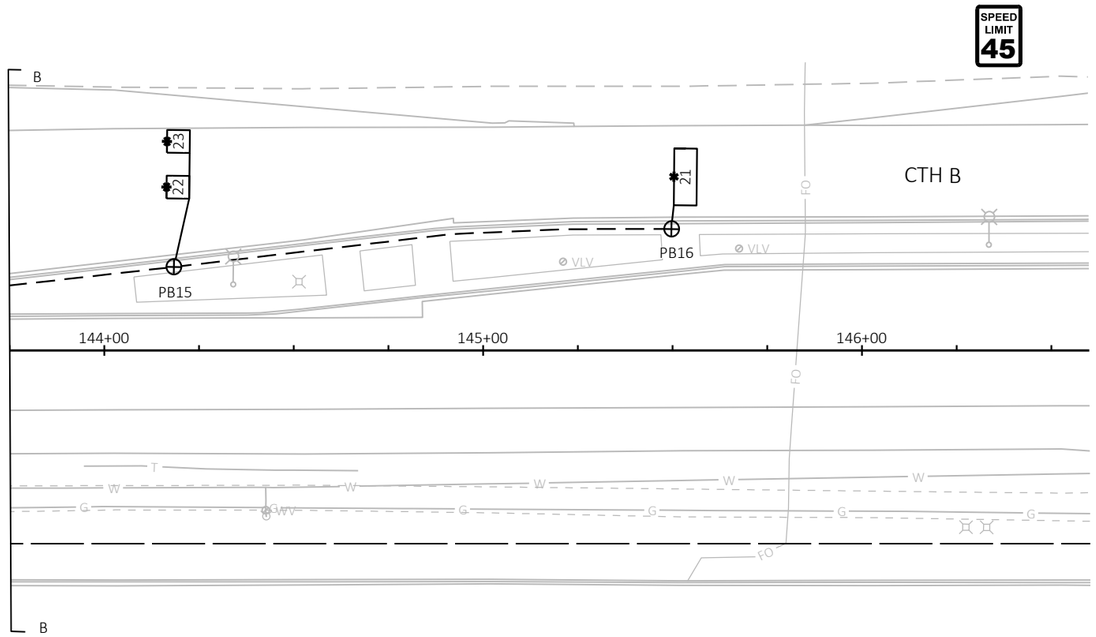
PAGE 1 OF 2

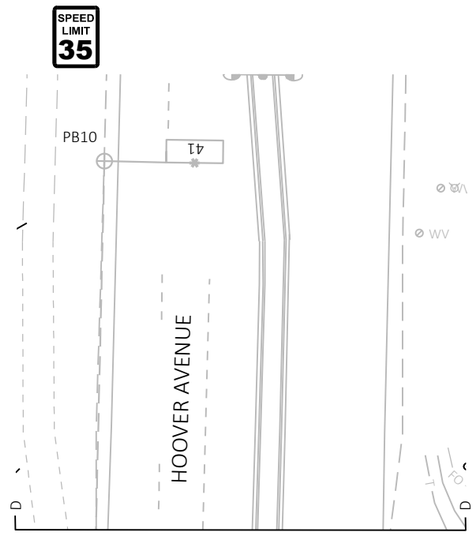
PROJECT NO: 6767-01-01/6767-02-01	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 93	E

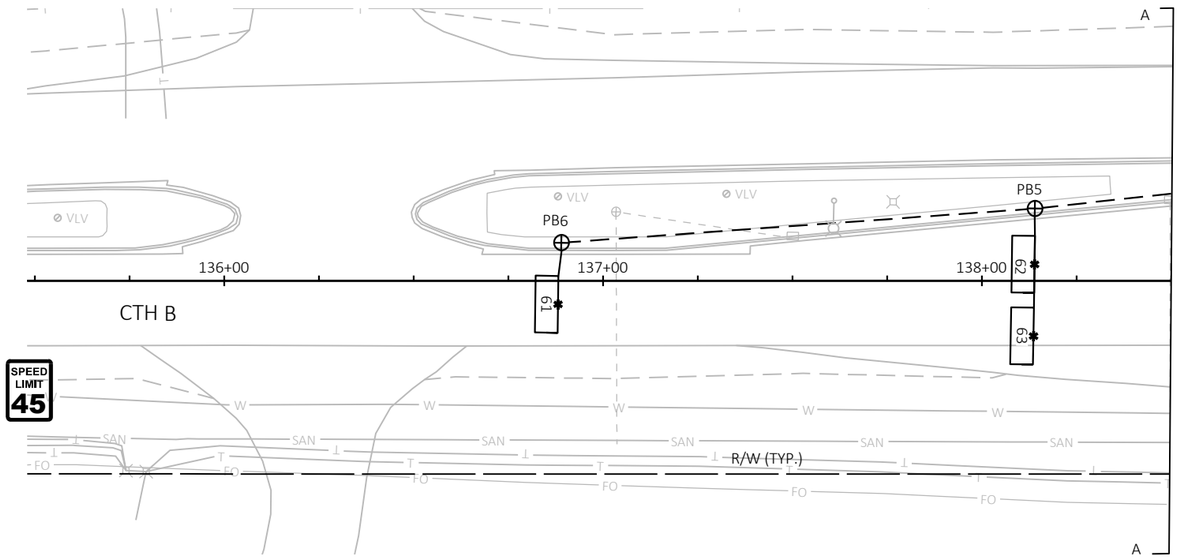
FILE NAME : G:\GREMMER\21053-000_21054-000 CTH B - PORTAGE CTY\CIVIL 3D\SHEETSPLAN\024001-SR.DWG
LAYOUT NAME - Hoover Ave

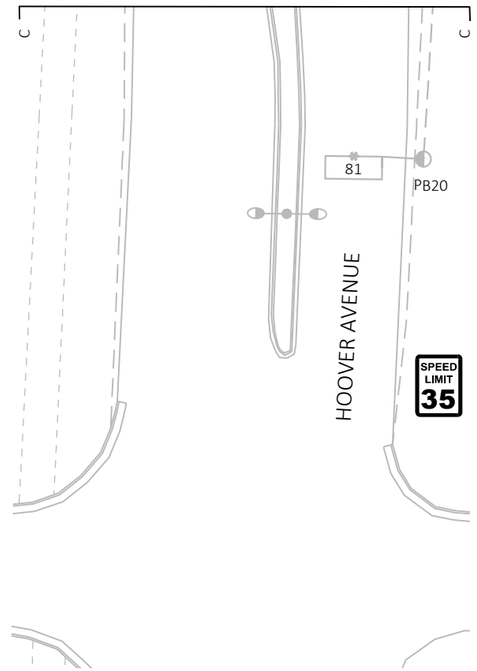
PLOT DATE : 10/27/2023 10:38 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42









N

LEGEND

- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX

NOTE: BOLD REPRESENTS ITEMS TO BE REMOVED OR ABANDONED

TRAFFIC CONTROL SIGNAL
CTH B & HOOVER AVENUE
VILLAGE OF PLOVER
PORTAGE COUNTY

SIGNAL NO. LOCAL

MUNICIPAL CONTACT: _____
DESIGNED BY: KL ENGINEERING
REVISED BY: _____

PAGE 2 OF 2

PROJECT NO: 6767-01-01/6767-02-01	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 94	E

FILE NAME : G:\GREMMER\21053-000_21054-000 CTH B - PORTAGE CTY\CIVIL 3D\SHEETSPLAN\024001-SR.DWG
LAYOUT NAME - Hoover Tails

PLOT DATE : 10/27/2023 10:38 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

CONSTRUCTION NOTES:

1) THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN.

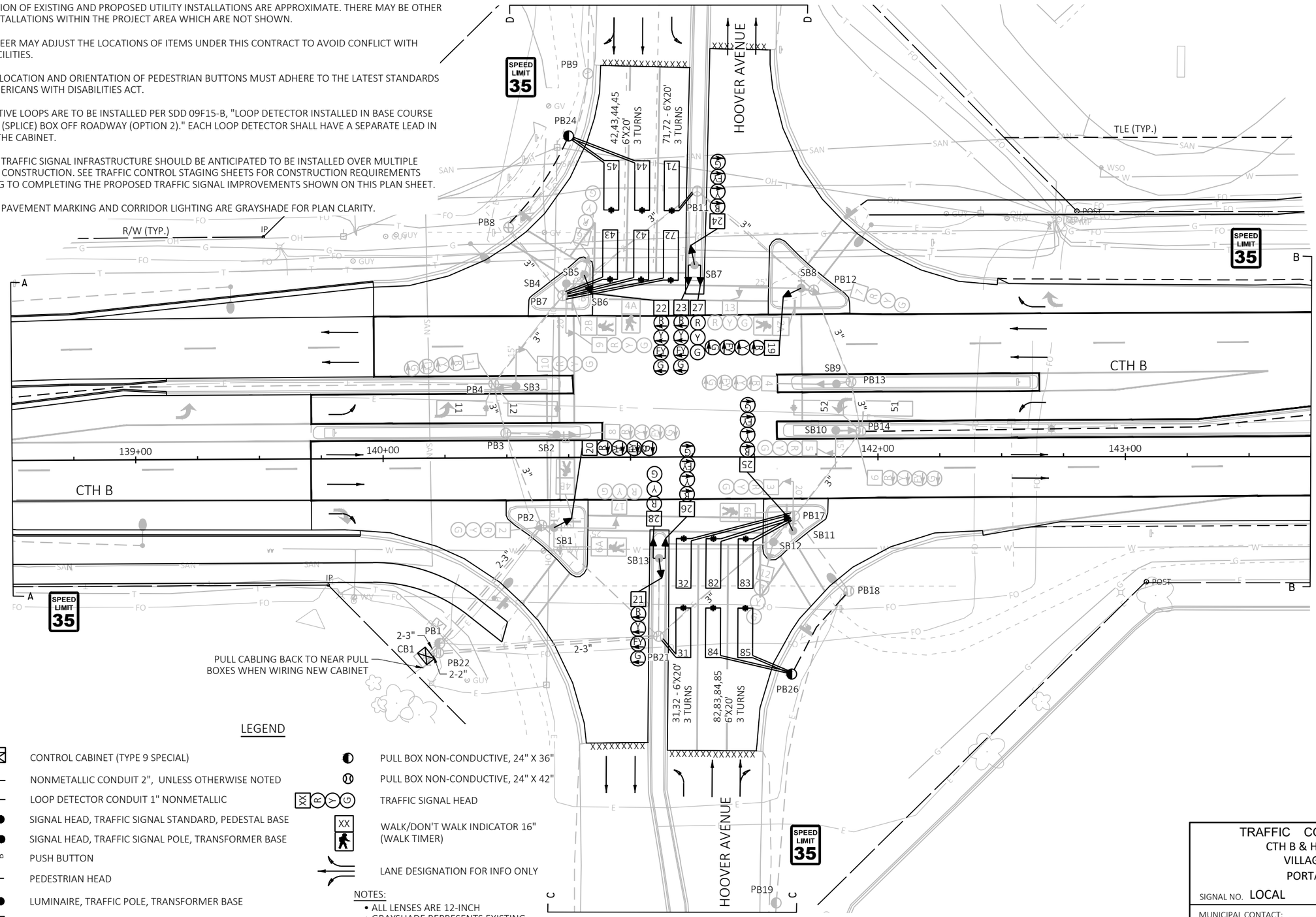
2) THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH UTILITY FACILITIES.

3) THE FINAL LOCATION AND ORIENTATION OF PEDESTRIAN BUTTONS MUST ADHERE TO THE LATEST STANDARDS OF THE AMERICANS WITH DISABILITIES ACT.

4) ALL INDUCTIVE LOOPS ARE TO BE INSTALLED PER SDD 09F15-B, "LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)." EACH LOOP DETECTOR SHALL HAVE A SEPARATE LEAD IN CABLE TO THE CABINET.

5) PROPOSED TRAFFIC SIGNAL INFRASTRUCTURE SHOULD BE ANTICIPATED TO BE INSTALLED OVER MULTIPLE STAGES OF CONSTRUCTION. SEE TRAFFIC CONTROL STAGING SHEETS FOR CONSTRUCTION REQUIREMENTS PERTAINING TO COMPLETING THE PROPOSED TRAFFIC SIGNAL IMPROVEMENTS SHOWN ON THIS PLAN SHEET.

6) PROPOSED PAVEMENT MARKING AND CORRIDOR LIGHTING ARE GRAYSHADE FOR PLAN CLARITY.



LEGEND

- CONTROL CABINET (TYPE 9 SPECIAL)
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- PUSH BUTTON
- PEDESTRIAN HEAD
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- * LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX NON-CONDUCTIVE, 24" X 36"
- PULL BOX NON-CONDUCTIVE, 24" X 42"
- TRAFFIC SIGNAL HEAD
- XX WALK/DON'T WALK INDICATOR 16" (WALK TIMER)
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
CTH B & HOOVER AVENUE
VILLAGE OF PLOVER
PORTAGE COUNTY

SIGNAL NO. LOCAL CONTROLLER TYPE: ATC FLEX

MUNICIPAL CONTACT: _____
DESIGNED BY: ------
REVISED BY: KL ENGINEERING

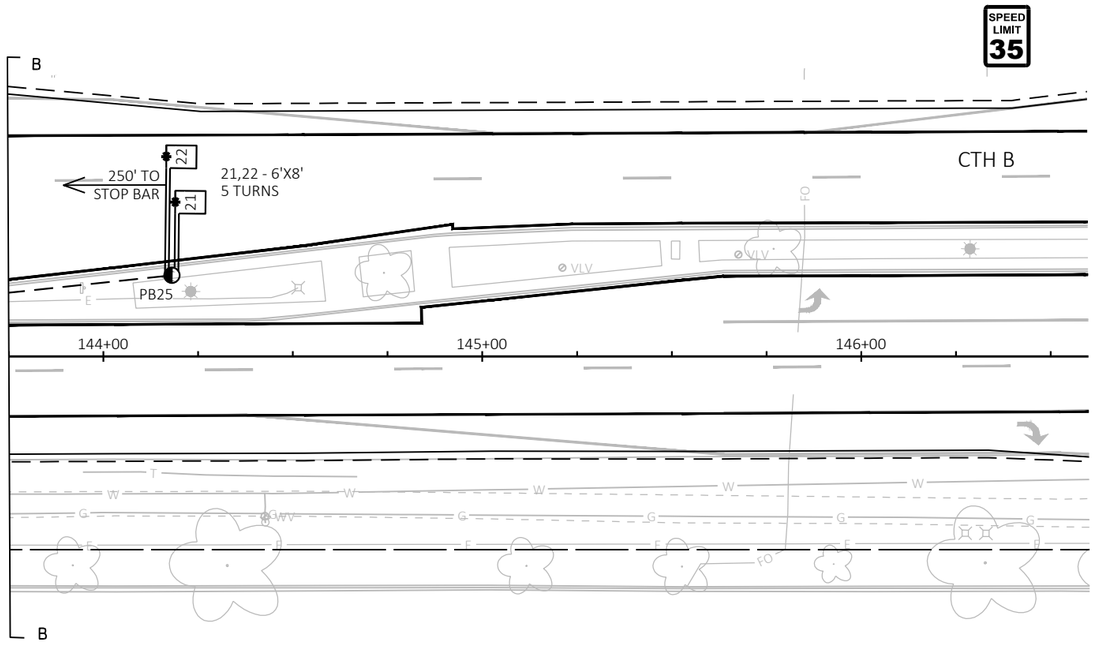
PAGE 1 OF 5

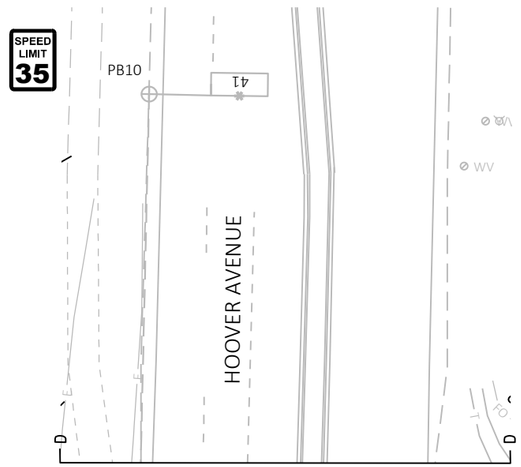
PROJECT NO: 6767-01-01/6767-02-01	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC SIGNAL PLAN	SHEET 95	E

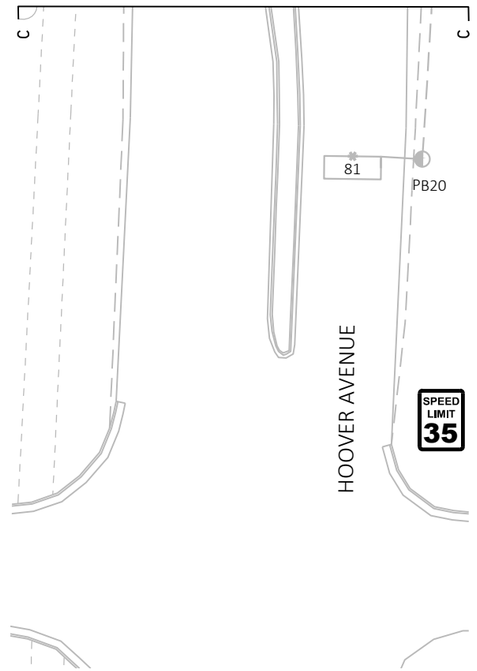
FILE NAME : G:\GREMMER\21053-000_21054-000 CTH B - PORTAGE CTY\CIVIL 3D\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - Hoover Ave

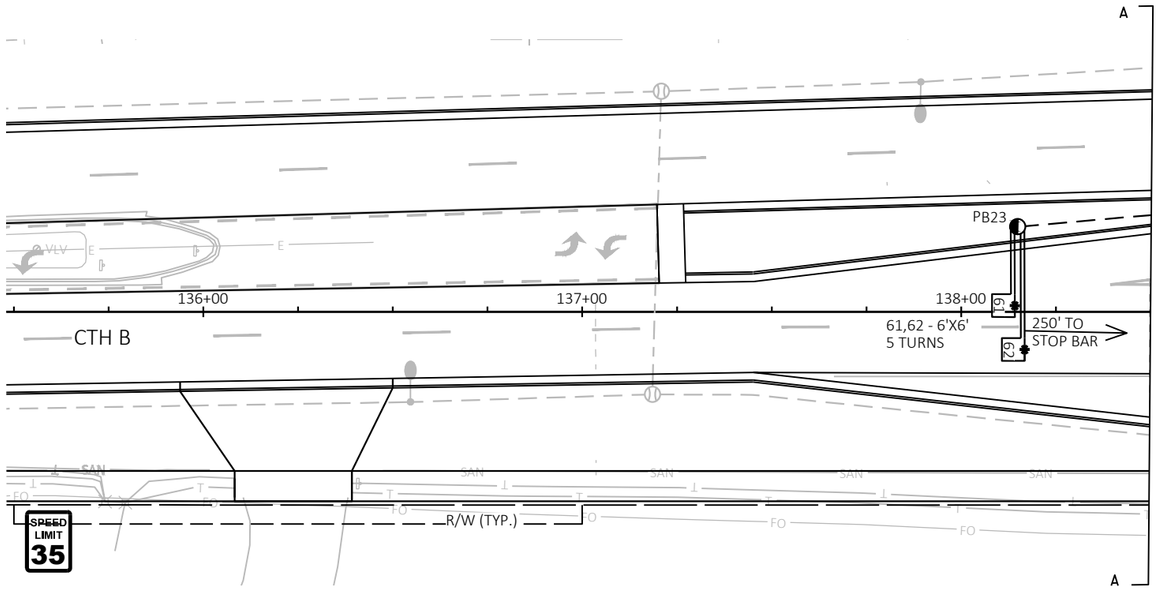
PLOT DATE : 10/27/2023 1:26 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42









LEGEND

- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX NON-CONDUCTIVE, 24" X 36"
- PULL BOX NON-CONDUCTIVE, 12" X 24"
- PULL BOX NON-CONDUCTIVE, 24" X 42"
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
CTH B & HOOVER AVENUE
VILLAGE OF PLOVER
PORTAGE COUNTY

SIGNAL NO. LOCAL CONTROLLER TYPE: ATC FLEX

MUNICIPAL CONTACT: _____
DESIGNED BY: ------
REVISED BY: KL ENGINEERING

PROJECT NO: 6767-01-01/6767-02-01	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC SIGNAL PLAN	SHEET 96	E

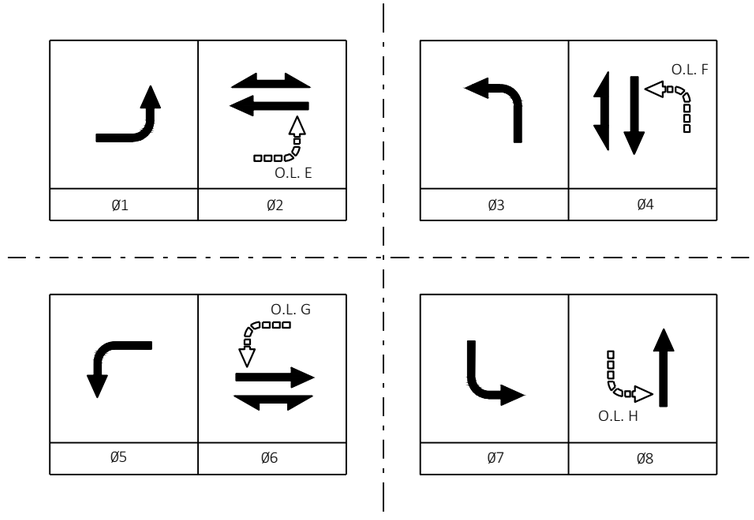
FILE NAME : G:\GREMMER\21053-000_21054-000 CTH B - PORTAGE CTY\CIVIL 3D\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - Hoover Tails
PLOT DATE : 10/27/2023 1:27 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

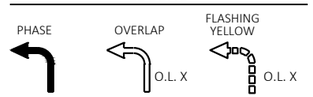
N

	HEAD NUMBERS	FLASH
Ø1	1,4,19	
Ø2	7,9,10	R
Ø3	21,22,23	
Ø4	16,17,28	R
Ø5	6,8,20	
Ø6	2,3,5	R
Ø7	24,25,26	
Ø8	12,13,27	R
Ø2 PED	2A,2B	
Ø4 PED	4A,4B	
Ø6 PED	6A,6B	
Ø8 PED	81,82	

O.L. ASSIGNMENT		
O.L. E	1,4,19	R
O.L. F	21,22,23	R
O.L. G	6,8,20	R
O.L. H	24,25,26	R



LEGEND



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W /Ø	PHASE RECALL	PHASE ACTIVE
1		6		X
2	X	6	MIN	X
3		8		X
4		8		X
5		2		X
6	X	2	MIN	X
7		4		X
8		4		X

TYPE OF PRE-EMPT	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
GTT	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

TYPE OF INTERCONNECT	
NONE	X
TBC	
CLOSED LOOP TWISTED PAIR	
CLOSED LOOP FIBER OPTIC	
RADIO	

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	
IN SEPARATE LIGHTING CABINET	X

TYPE OF REMOTE COMMUNICATION	
NONE	X
FIBER	
CELL MODEM	
PHONE	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13	19	17	23	21	27	25	31	29
DETECTOR #(S)	11	21	41	43	45	51	61	71	81	83	85					
PHASE CALLED	1	2	4	4	4	5	6	7	8	8	8					
PHASE EXTENDED	1	2	4	4	4	5	6	7	8	8	8					
DISCONNECT TIME																
CALLING DELAY																
EXTENSION STRETCH		X	X				X		X							
LOOP FUNCTION																

DETECTOR INPUT	4	2	8	6	12	10	16	14	20	18	24	22	28	26	32	30
DETECTOR #(S)	12	22	42	44		52	62	72	82	84						
PHASE CALLED	1	2	4	4		5	6	7	8	8						
PHASE EXTENDED	1	2	4	4		5	6	7	8	8						
DISCONNECT TIME																
CALLING DELAY																
EXTENSION STRETCH		X					X									
LOOP FUNCTION																

TRAFFIC CONTROL SIGNAL
CTH B & HOOVER AVENUE
VILLAGE OF PLOVER
PORTAGE COUNTY

SIGNAL NO. LOCAL CONTROLLER TYPE: ATC FLEX

MUNICIPAL CONTACT: _____
DESIGNED BY: ------
REVISED BY: KL ENGINEERING

PROJECT NO: 6767-01-01/6767-02-01	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC SIGNAL PLAN	SHEET 97	E

FILE NAME : G:\GREMMER\21053-000_21054-000 CTH B - PORTAGE CTY\CIVIL 3D\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - Hoover SOO
PLOT DATE : 10/27/2023 1:27 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

INTERSECTION:	CTH B & HOOVER AVENUE

SIGNAL WIRE	BLK-BLACK	RED-RED	GRN-GREEN
COLOR CODING	WHT-WHITE	BLU-BLUE	ORG-ORANGE

DATE:	Oct-23

N

2

CB1 TO	AWG 14 # OF COND.	HEAD NO.	PHASE	SIGNAL INDICATION WIRE COLOR									PED BUTTON	OTHER
				RED	YELLOW	GREEN	<RED>	<YELLOW>	<FLASH YEL>	<GREEN>	DWALK	WALK		
SB1	7	20	5				RED	ORG	BLK	GRN				
SB5	EXISTING CABLE SUFFICIENT	22	2				RED/WHT	BLK/WHT	BLU/WHT	GRN/WHT				
SB7	EXISTING CABLE SUFFICIENT	27	8	RED	ORG	GRN								
		23	3				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK				
		24	7				BLK	WHT/BLK	BLU	BLU/BLK				
SB8	7	19	1				RED	ORG	WHT/BLK	GRN				
SB11	EXISTING CABLE SUFFICIENT	25	7				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK				
SB13	EXISTING CABLE SUFFICIENT	28	4	RED	ORG	GRN								
		21	3				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK				
		26	7				BLK	WHT/BLK	BLU	BLU/BLK				

NOTES:

1) EXISTING AND NEW SIGNAL CABLE TO BE USED. ONLY NEW CABLE CONNECTIONS ARE SHOWN.

2) USE WHITE CONDUCTOR IN THE SIGNAL CABLE AS THE GROUNDED CONDUCTOR FOR ALL TRAFFIC SIGNAL INDICATIONS.

3) ENSURE THE GROUNDED CONDUCTOR IN THE FEEDER CABLE AND THE POLE CABLES ARE BOTH 18" LONGER THAN THE UNGROUNDED CONDUCTORS.

TRAFFIC CONTROL SIGNAL
CTH B & HOOVER AVENUE
VILLAGE OF PLOVER
PORTAGE COUNTY

SIGNAL NO. LOCAL CONTROLLER TYPE: ATC FLEX

MUNICIPAL CONTACT: _____
DESIGNED BY: ------
REVISED BY: KL ENGINEERING

PROJECT NO: 6767-01-01/6767-02-01	HWY: CTH B	COUNTY: PORTAGE	CABLE ROUTING	SHEET 98	E

FILE NAME : G:\GREMMER\21053-000_21054-000 CTH B - PORTAGE CTY\CIVIL 3D\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - Hoover CABLING
PLOT DATE : 10/27/2023 1:27 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

PROJECT ID:	6767-04-72
INTERSECTION:	CTH B (PLOVER RD) & HOOVER AVE

SIGNAL	BLK-BLACK	RED-RED	GRN-GREEN
	WHT-WHITE	BLU-BLUE	ORG-ORANGE

DATE: Sep-13

CB1 TO	AWG 14 # OF COND.	HEAD NO.	PHASE	SIGNAL INDICATION WIRE COLOR									PED BUTTON	OTHER
				RED	YELLOW	GREEN	<RED>	<YELLOW>	<FLASH YEL>	<GREEN>	D/WALK	WALK		
SB1	15	4B	4	RED	ORG	GRN								
		6A	6	RED/BLK	ORG/BLK	GRN/BLK								
		4-2	4								WHT/BLK	BLU/BLK		
		6-1	6								BLK/WHT	BLU/WHT		
		PB	4										BLU	
		PB	6										BLK	
SB2	12	5B	5				RED	ORG	BLK	GRN				
		PB	4										BLU	
SB3	12	2B	2	RED	ORG	GRN								
		1A	1				RED/BLK	ORG/BLK	BLK	GRN/BLK				
SB4	12	2C	2	RED	ORG	GRN								
		2-2	2								RED/BLK	ORG/BLK		
		4-1	4								WHT/BLK	BLU/BLK		
		PB	4										BLU	
SB5	12	4A	4	RED	ORG	GRN								
SB6	15	3B	3	RED	ORG	GRN		BLK		BLU				
		7A	7	RED/BLK	ORG/BLK	GRN/BLK		WHT/BLK		BLU/BLK				
SB7	12	8B	8	RED	ORG	GRN								
		2A	2	RED/BLK	ORG/BLK	GRN/BLK								
		2-1	2								WHT/BLK	BLU/BLK		
		PB	2										BLU	
SB8	12	1B	1				RED	ORG	BLK	GRN				
SB9	12	6B	6	RED	ORG	GRN								
		5A	5				RED/BLK	ORG/BLK	BLK	GRN/BLK				
SB10	12	6C	6	RED	ORG	GRN								
		6-2	6								WHT/BLK	BLU/BLK		
		PB	6										BLU	
SB11	12	8A	8	RED	ORG	GRN								
SB12	15	3A	3	RED	ORG	GRN		BLK		BLU				
		7B	7	RED/BLK	ORG/BLK	GRN/BLK		WHT/BLK		BLU/BLK				
SB13	12	PB	2										BLU	

EQUIPMENT GROUNDING CONDUCTORS 10 AWG GRN XLP	
FROM	TO
CB1	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB13
SB13	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	SB9
SB9	SB10
SB10	SB11
SB11	SB12
SB12	CB1

PULL BOX BONDING JUMPER 10 AWG GRN XLP	
FROM	TO
PB2	SB1
PB3	SB2
PB4	SB3
PB13	SB8
PB14	SB9
PB21	SB12
PB22	CB1

RECONNECT EXISTING BONDING WIRES. INSTALL BONDING FOR ANY PULL BOXES WITHOUT BONDING WHERE REQUIRED.

NOTES:
1. USE WHITE CONDUCTOR IN THE SIGNAL CABLE AS THE GROUNDED CONDUCTOR FOR ALL TRAFFIC SIGNAL INDICATIONS.
2. ENSURE THE GROUNDED CONDUCTOR IN THE FEEDER CABLE AND THE POLE CABLES ARE BOTH 18" LONGER THAN THE UNGROUNDED CONDUCTORS.
3. AT THE SIGNAL BASES, CONNECT ONE TERMINAL FROM THE PEDESTRIAN PUSH BUTTONS TO THE COLOR INDICATED IN THE CHART. CONNECT THE OTHER TERMINAL TO THE GROUNDED CONDUCTOR.

EXISTING CABLING PROVIDED FOR REFERENCE ONLY

TRAFFIC CONTROL SIGNAL
CTH B & HOOVER AVENUE
VILLAGE OF PLOVER
PORTAGE COUNTY

SIGNAL NO. LOCAL CONTROLLER TYPE: ATC FLEX

MUNICIPAL CONTACT: _____
DESIGNED BY: ------
REVISED BY: KL ENGINEERING

PAGE 5 OF 5

PROJECT NO: 6767-01-01/6767-02-01	HWY: CTH B	COUNTY: PORTAGE	EXISTING CABLE ROUTING	SHEET 99	E

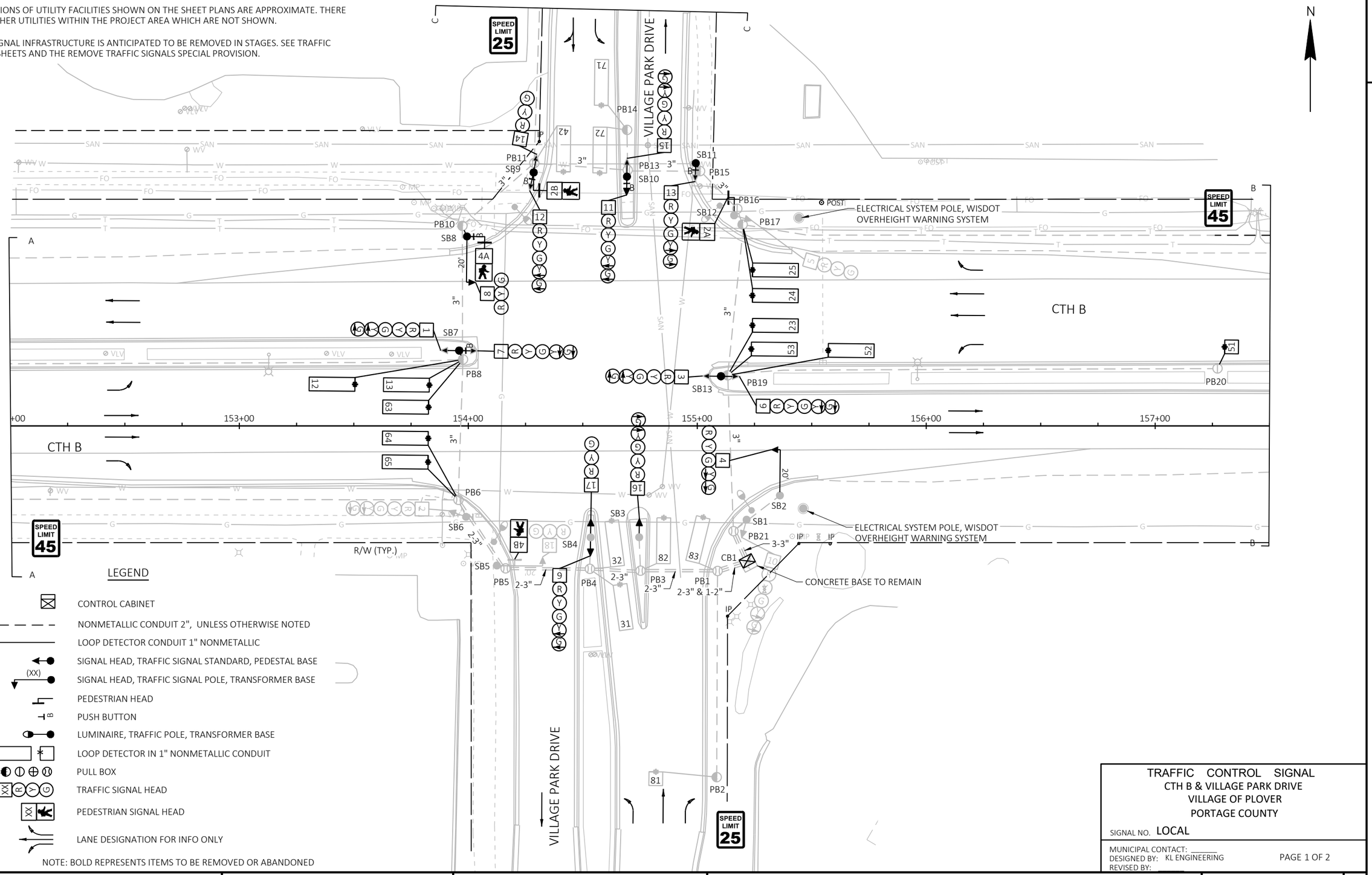
FILE NAME : G:\GREMMER\21053-000_21054-000 CTH B - PORTAGE CTY\CIVIL 3D\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - Hoover CABLING exist
PLOT DATE : 10/27/2023 1:27 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

CONSTRUCTION NOTES:

1) THE LOCATIONS OF UTILITY FACILITIES SHOWN ON THE SHEET PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN.

2) TRAFFIC SIGNAL INFRASTRUCTURE IS ANTICIPATED TO BE REMOVED IN STAGES. SEE TRAFFIC CONTROL SHEETS AND THE REMOVE TRAFFIC SIGNALS SPECIAL PROVISION.



LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- PEDESTRIAN HEAD
- PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD
- LANE DESIGNATION FOR INFO ONLY

NOTE: BOLD REPRESENTS ITEMS TO BE REMOVED OR ABANDONED

TRAFFIC CONTROL SIGNAL
CTH B & VILLAGE PARK DRIVE
VILLAGE OF PLOVER
PORTAGE COUNTY

SIGNAL NO. LOCAL

MUNICIPAL CONTACT: _____
DESIGNED BY: KL ENGINEERING
REVISED BY: _____

PAGE 1 OF 2

PROJECT NO: 6767-01-01/6767-02-01	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 100	E

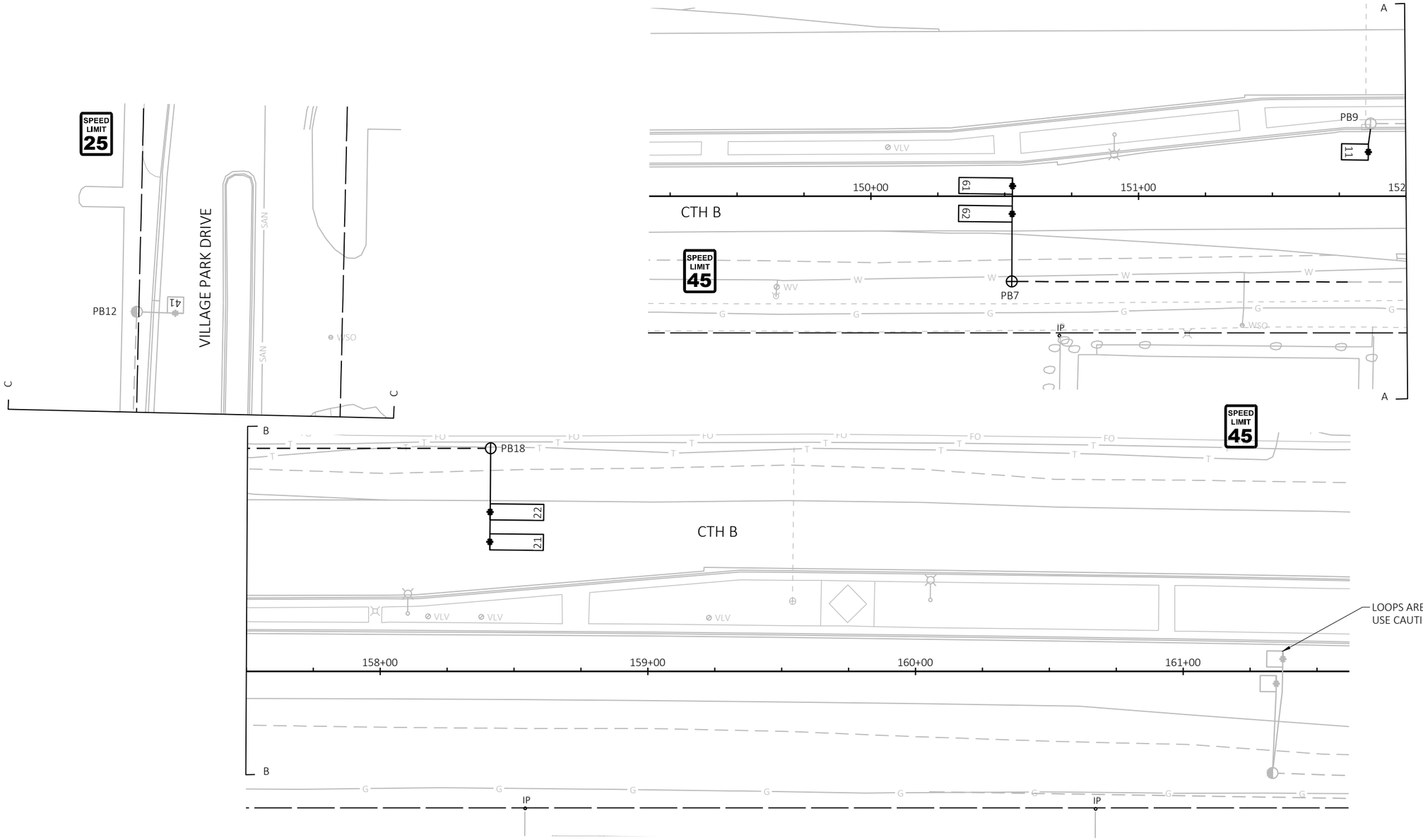
FILE NAME : G:\GREMMER\21053-000_21054-000 CTH B - PORTAGE CTY\CIVIL 3D\SHEETSPLAN\024001-SR.DWG
LAYOUT NAME - Village Park

PLOT DATE : 10/27/2023 10:38 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N



LEGEND

- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX

NOTE: BOLD REPRESENTS ITEMS TO BE REMOVED OR ABANDONED

TRAFFIC CONTROL SIGNAL
CTH B & VILLAGE PARK DRIVE
VILLAGE OF PLOVER
PORTAGE COUNTY

SIGNAL NO. LOCAL

MUNICIPAL CONTACT: _____
DESIGNED BY: KL ENGINEERING
REVISED BY: _____

PAGE 2 OF 2

PROJECT NO: 6767-01-01/6767-02-01	HWY: CTH B	COUNTY: PLOVER	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 101	E

FILE NAME : G:\GREMMER\21053-000_21054-000 CTH B - PORTAGE CTY\CIVIL 3D\SHEETSPLAN\024001-SR.DWG
LAYOUT NAME - Village Park Tails

PLOT DATE : 10/27/2023 10:39 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

CONSTRUCTION NOTES:

1) THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN.

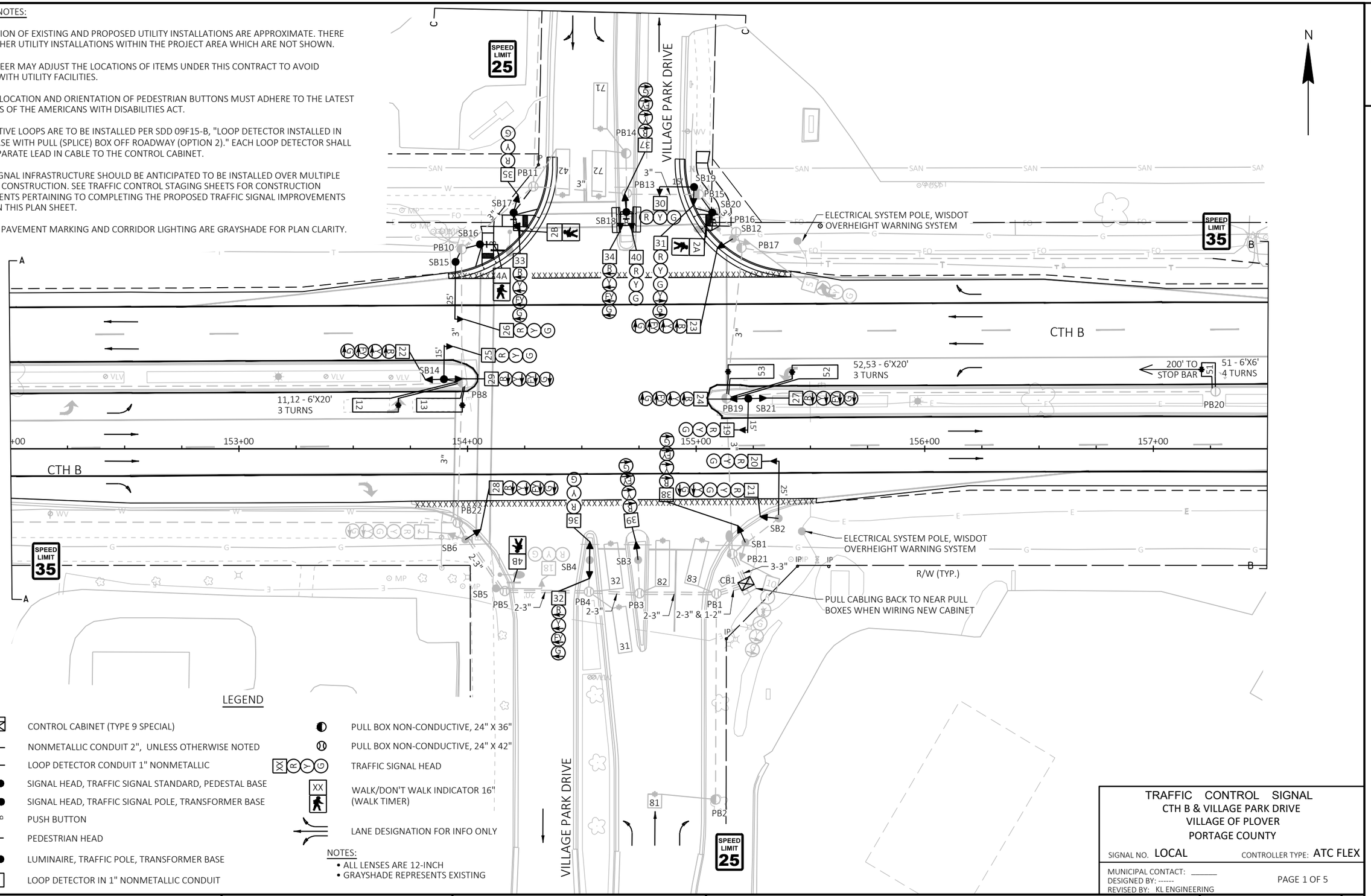
2) THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH UTILITY FACILITIES.

3) THE FINAL LOCATION AND ORIENTATION OF PEDESTRIAN BUTTONS MUST ADHERE TO THE LATEST STANDARDS OF THE AMERICANS WITH DISABILITIES ACT.

4) ALL INDUCTIVE LOOPS ARE TO BE INSTALLED PER SDD 09F15-B, "LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)." EACH LOOP DETECTOR SHALL HAVE A SEPARATE LEAD IN CABLE TO THE CONTROL CABINET.

5) TRAFFIC SIGNAL INFRASTRUCTURE SHOULD BE ANTICIPATED TO BE INSTALLED OVER MULTIPLE STAGES OF CONSTRUCTION. SEE TRAFFIC CONTROL STAGING SHEETS FOR CONSTRUCTION REQUIREMENTS PERTAINING TO COMPLETING THE PROPOSED TRAFFIC SIGNAL IMPROVEMENTS SHOWN ON THIS PLAN SHEET.

6) PROPOSED PAVEMENT MARKING AND CORRIDOR LIGHTING ARE GRAYSHADE FOR PLAN CLARITY.



LEGEND

- CONTROL CABINET (TYPE 9 SPECIAL)
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- PUSH BUTTON
- PEDESTRIAN HEAD
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX NON-CONDUCTIVE, 24" X 36"
- PULL BOX NON-CONDUCTIVE, 24" X 42"
- TRAFFIC SIGNAL HEAD
- XX WALK/DON'T WALK INDICATOR 16" (WALK TIMER)
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
CTH B & VILLAGE PARK DRIVE
VILLAGE OF PLOVER
PORTAGE COUNTY

SIGNAL NO. LOCAL CONTROLLER TYPE: ATC FLEX

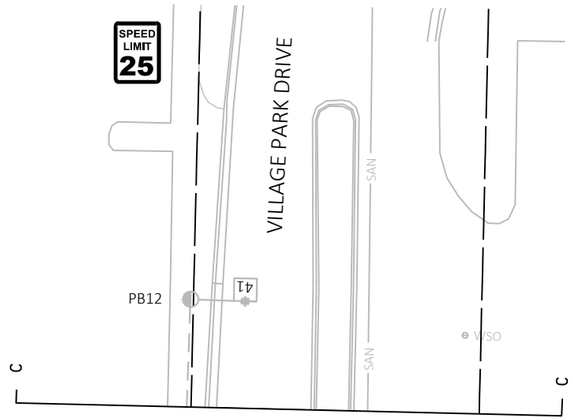
MUNICIPAL CONTACT: _____
DESIGNED BY: ------
REVISED BY: KL ENGINEERING

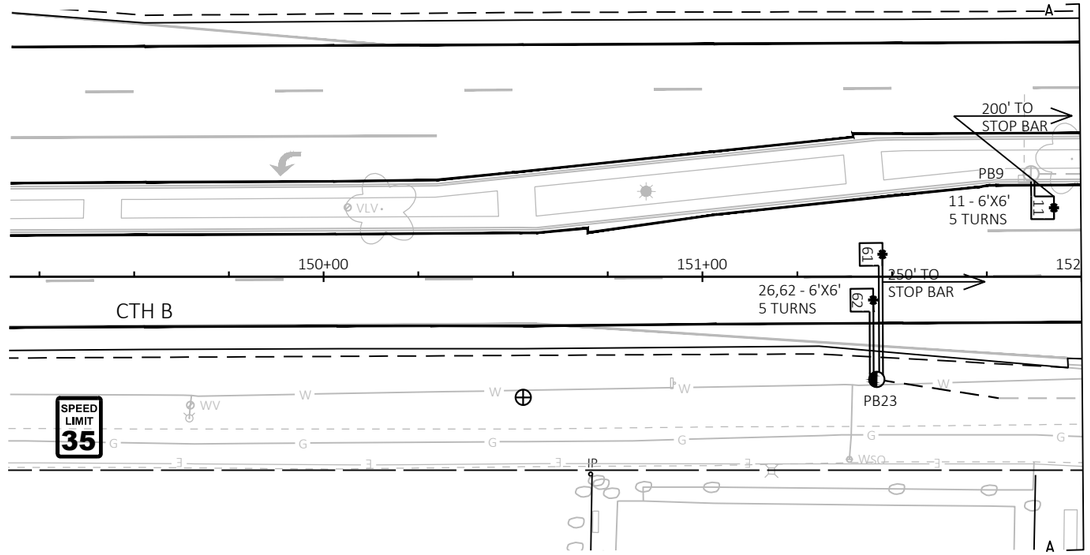
PAGE 1 OF 5

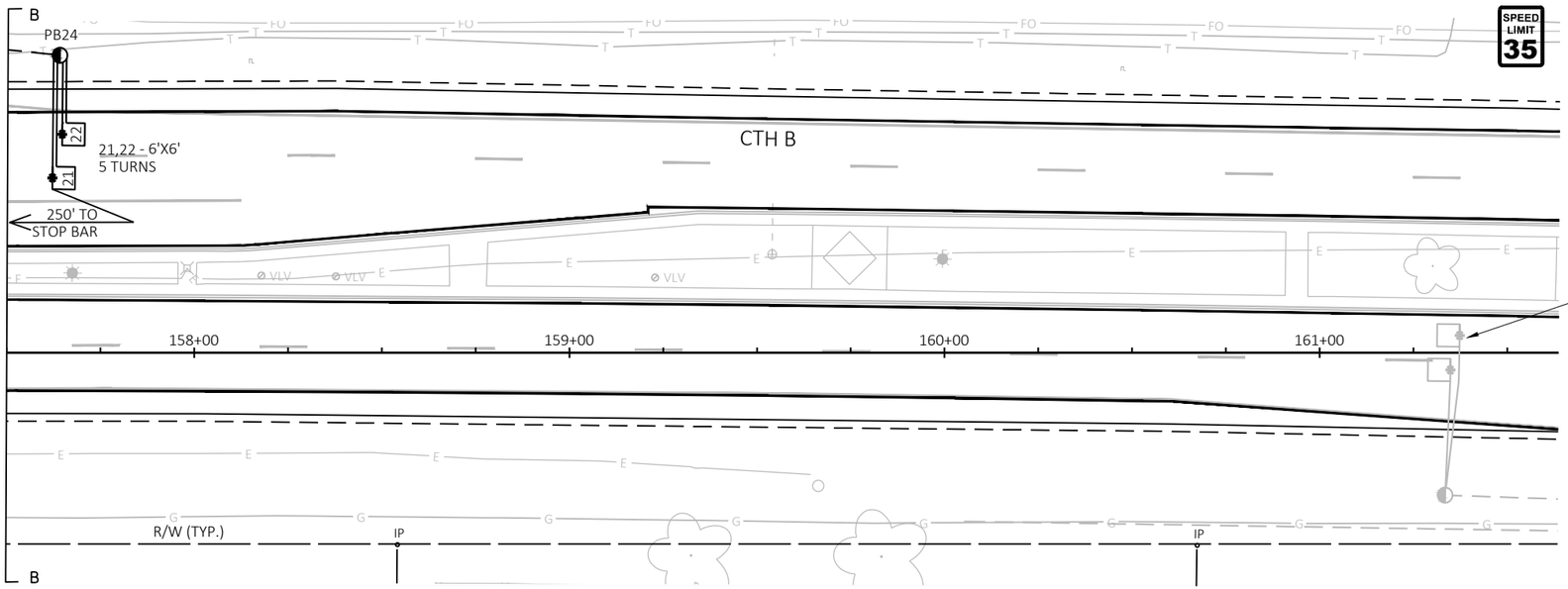
PROJECT NO: 6767-01-01/6767-02-01	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC SIGNAL PLAN	SHEET 102	E

FILE NAME : G:\GREMMER\21053-000_21054-000 CTH B - PORTAGE CTY\CIVIL 3D\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - Village Park
PLOT DATE : 10/27/2023 1:27 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42







N

2

LEGEND

- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX NON-CONDUCTIVE, 24" X 36"
- PULL BOX NON-CONDUCTIVE, 24" X 42"
- LANE DESIGNATION FOR INFO ONLY

NOTES:

- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
CTH B & VILLAGE PARK DRIVE
VILLAGE OF PLOVER
PORTAGE COUNTY

SIGNAL NO. LOCAL CONTROLLER TYPE: ATC FLEX

MUNICIPAL CONTACT: _____
DESIGNED BY: ------
REVISED BY: KL ENGINEERING

PAGE 2 OF 5

PROJECT NO: 6767-01-01/6767-02-01	HWY: CTH B	COUNTY: PLOVER	TRAFFIC SIGNAL PLAN	SHEET 103	E

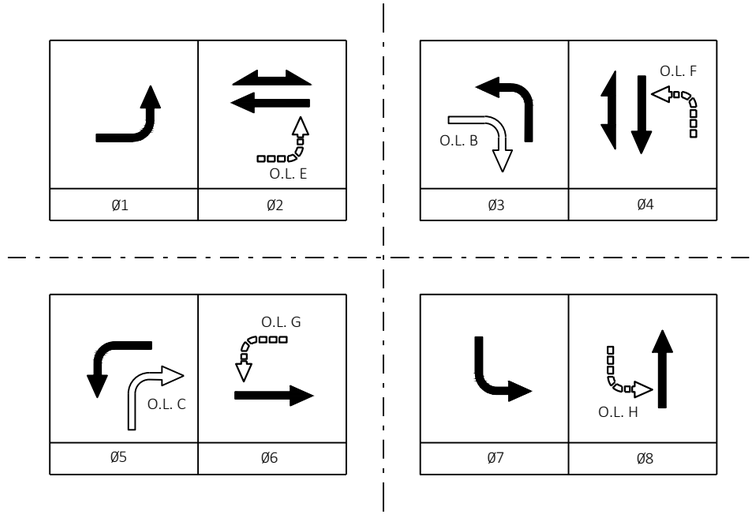
FILE NAME : G:\GREMMER\21053-000_21054-000 CTH B - PORTAGE CTY\CIVIL 3D\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - Village Park Tails

PLOT DATE : 10/27/2023 1:28 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

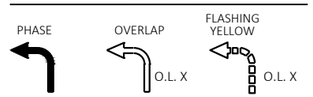
WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1	22,23,24	--
Ø2	5,25,26	R
Ø3	32,33,34	--
Ø4	18,35,36	R
Ø5	27,28,29	--
Ø6	2,19,20,21	R
Ø7	37,38,39	--
Ø8	10,30,31,40	R
Ø2 PED	2A,2B	
Ø4 PED	4A,4B	

			O.L. ASSIGNMENT
O.L. B	2,21	--	Ø3
O.L. C	10,31	--	Ø5
O.L. E	22,23,24	R	Ø2
O.L. F	32,33,34	R	Ø4
O.L. G	27,28,29	R	Ø6
O.L. H	38,39,40	R	Ø8



LEGEND



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2

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W /Ø	PHASE RECALL	PHASE ACTIVE
1		6		X
2	X	6	MIN	X
3		8		X
4		8		X
5		2		X
6	X	2	MIN	X
7		4		X
8		4		X

TYPE OF PRE-EMPT	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
GTT	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

TYPE OF INTERCONNECT	
NONE	X
TBC	
CLOSED LOOP TWISTED PAIR	
CLOSED LOOP FIBER OPTIC	
RADIO	

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	
IN SEPARATE LIGHTING CABINET	X

TYPE OF REMOTE COMMUNICATION	
NONE	X
FIBER	
CELL MODEM	
PHONE	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13	DETECTOR INPUT
DETECTOR #(S)	11	13	21	31	41	43	52	61	DETECTOR #(S)
PHASE CALLED	1	1	2	3	4	4	5	6	PHASE CALLED
PHASE EXTENDED	1	1	2	3	4	4	5	6	PHASE EXTENDED
DISCONNECT TIME									DISCONNECT TIME
CALLING DELAY									CALLING DELAY
EXTENSION STRETCH			X		X			X	EXTENSION STRETCH
LOOP FUNCTION									LOOP FUNCTION

DETECTOR INPUT	19	17	23	21	27	25	31	29	DETECTOR INPUT
DETECTOR #(S)	71	81	83	85					DETECTOR #(S)
PHASE CALLED	7	8	8	8					PHASE CALLED
PHASE EXTENDED	7	8	8	8					PHASE EXTENDED
DISCONNECT TIME									DISCONNECT TIME
CALLING DELAY			X						CALLING DELAY
EXTENSION STRETCH		X							EXTENSION STRETCH
LOOP FUNCTION									LOOP FUNCTION

DETECTOR INPUT	4	2	8	6	12	10	16	14	DETECTOR INPUT
DETECTOR #(S)	12		22	32	42	51	53	62	DETECTOR #(S)
PHASE CALLED	1		2	3	4	5	5	6	PHASE CALLED
PHASE EXTENDED	1		2	3	4	5	5	6	PHASE EXTENDED
DISCONNECT TIME									DISCONNECT TIME
CALLING DELAY									CALLING DELAY
EXTENSION STRETCH			X					X	EXTENSION STRETCH
LOOP FUNCTION									LOOP FUNCTION

DETECTOR INPUT	20	18	24	22	28	26	32	30	DETECTOR INPUT
DETECTOR #(S)	72	82	84						DETECTOR #(S)
PHASE CALLED	7	8	8						PHASE CALLED
PHASE EXTENDED	7	8	8						PHASE EXTENDED
DISCONNECT TIME									DISCONNECT TIME
CALLING DELAY									CALLING DELAY
EXTENSION STRETCH									EXTENSION STRETCH
LOOP FUNCTION									LOOP FUNCTION

TRAFFIC CONTROL SIGNAL
CTH B & VILLAGE PARK DRIVE
VILLAGE OF PLOVER
PORTAGE COUNTY

SIGNAL NO. LOCAL CONTROLLER TYPE: ATC FLEX

MUNICIPAL CONTACT: _____
DESIGNED BY: ------
REVISED BY: KL ENGINEERING

PROJECT NO: 6767-01-01/6767-02-01	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC SIGNAL PLAN	SHEET 104	E

FILE NAME : G:\GREMMER\21053-000_21054-000 CTH B - PORTAGE CTY\CIVIL 3D\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - Village Park SOO
PLOT DATE : 10/27/2023 1:28 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

INTERSECTION:	CTH B & VILLAGE PARK DRIVE

SIGNAL WIRE	BLK-BLACK	RED-RED	GRN-GREEN
COLOR CODING	WHT-WHITE	BLU-BLUE	ORG-ORANGE

DATE:	Oct-23

N

CB1 TO	AWG 14 # OF COND.	HEAD NO.	PHASE	SIGNAL INDICATION WIRE COLOR									PED BUTTON	OTHER
				RED	YELLOW	GREEN	<RED>	<YELLOW>	<FLASH YEL>	<GREEN>	DWALK	WALK		
SB1	EXISTING CABLE SUFFICIENT	38	7				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK				
SB2	EXISTING CABLE SUFFICIENT	20	6	RED	ORG	GRN								
		21	6	RED	ORG	GRN		ORG/BLK		GRN/BLK				
SB3	EXISTING CABLE SUFFICIENT	39	7				RED	ORG	BLK/WHT	GRN				
SB4	EXISTING CABLE SUFFICIENT	36	4	RED	ORG	GRN								
		32	3				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK				
SB5	EXISTING CABLE SUFFICIENT	4B	4								BLK	BLU		
SB6	EXISTING CABLE SUFFICIENT	28	5				RED	ORG	WHT/BLK	GRN				
SB12	7	23	1				RED	ORG	WHT/BLK	GRN				
SB14	12	25	2	RED	ORG	GRN								
		22	1				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK				
		29	5				BLK	WHT/BLK	BLU	BLU/BLK				
SB15	EXISTING CABLE SUFFICIENT	26	2	RED	ORG	GRN								
SB16	7	4A	4								BLK	BLU		
		BUTTON	4										WHT/BLK	
SB17	12	35	4	RED	ORG	GRN								
		33	3				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK				
		2B	2								BLK	BLU		
		BUTTON	2										WHT/BLK	
SB18	15	40	8	RED	ORG	GRN								
		34	3				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK				
		37	7				RED/WHT	BLU/WHT	BLK	GRN/WHT				
		BUTTON	2										WHT/BLK	
SB19	12	30	8	RED	ORG	GRN								
		31	8	RED	ORG	GRN		ORG/BLK		GRN/BLK				
SB20	7	2A	2								BLK	BLU		
		BUTTON	2										WHT/BLK	
SB21	12	19	6	RED	ORG	GRN								
		24	1				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK				
		27	5				BLK	WHT/BLK	BLU	BLU/BLK				

EQUIPMENT GROUNDING CONDUCTORS 10 AWG GRN XLP	
FROM	TO
SB6	SB14
SB14	SB15
SB15	SB16
SB16	SB17
SB17	SB18
SB18	SB19
SB19	SB20
SB20	SB12
SB12	SB21
SB21	SB2

PULL BOX BONDING JUMPER 10 AWG GRN XLP	
FROM	TO
PB8	SB14
PB10	SB15
PB11	SB17
PB13	SB18
PB15	SB19
PB19	SB21

NOTES:

1) EXISTING AND NEW SIGNAL CABLE TO BE USED. ONLY NEW CABLE CONNECTIONS ARE SHOWN.

2) USE WHITE CONDUCTOR IN THE SIGNAL CABLE AS THE GROUNDED CONDUCTOR FOR ALL TRAFFIC SIGNAL INDICATIONS.

3) ENSURE THE GROUNDED CONDUCTOR IN THE FEEDER CABLE AND THE POLE CABLES ARE BOTH 18" LONGER THAN THE UNGROUNDED CONDUCTORS.

4) AT THE SIGNAL BASES, CONNECT ONE TERMINAL FROM THE PEDESTRIAN PUSH BUTTONS TO THE COLOR INDICATED IN THE CHART. CONNECT THE OTHER TERMINAL TO THE GROUNDED CONDUCTOR.

TRAFFIC CONTROL SIGNAL
CTH B & VILLAGE PARK DRIVE
VILLAGE OF PLOVER
PORTAGE COUNTY

SIGNAL NO. LOCAL CONTROLLER TYPE: ATC FLEX

MUNICIPAL CONTACT: _____
DESIGNED BY: ------
REVISED BY: KL ENGINEERING

PROJECT NO: 6767-01-01/6767-02-01	HWY: CTH B	COUNTY: PORTAGE	CABLE ROUTING	SHEET 105	E

FILE NAME : G:\GREMMER\21053-000_21054-000 CTH B - PORTAGE CTY\CIVIL 3D\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - Village Park Cable Routing
PLOT DATE : 10/27/2023 1:28 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

CABLE ROUTING
CTH B AND MALL ROAD

ELECTRICAL WIRE, TRAFFIC SIGNALS, NO. 10

EQUIPMENT GROUNDING CONDUCTOR (GREEN)
*10 AWG, XLP

FROM	TO
CB1	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	SB9
SB9	SB10
SB10	SB11
SB11	SB12
SB12	SB13
SB13	SB1
SB1	SB2
SB2	CB1

EQUIPMENT GROUNDING CONDUCTOR (GREEN)
*10 AWG, XLP

FROM	TO
PB1	CB1
PB3	SB3
PB4	SB4
PB5	SB5
PB6	SB6
PB8	SB7
PB10	SB8
PB11	SB9
PB13	SB10
PB15	SB11
PB16	SB11
PB17	SB12
PB19	SB13
PB21	SB1

SIGNAL CABLE LAYOUT

FROM	TO	14 AWG NO. OF CONDUCTORS	HEAD NO.	MOVEMENT	COLOR CODE
CB1	SB1	12	9	NORTHBOUND	RED, ORANGE, GREEN, BLUE, BLACK
CB1	SB2	9	3	EASTBOUND	RED, ORANGE, GREEN, BLUE, BLACK
CB1	SB3	9	18	SOUTHBOUND	RED, ORANGE, GREEN, BLUE, BLACK
CB1	SB4	12	12	NORTHBOUND	RED, ORANGE, GREEN, BLUE, BLACK
			15	SOUTHBOUND	RED/BLACK, ORANGE/BLACK, GREEN/BLACK
CB1	SB5	9	16	SOUTHBOUND	RED, ORANGE, GREEN
			19	PED/WEST CROSSWALK	BLUE, BLACK
CB1	SB6	12	1	EASTBOUND	RED/BLACK, ORANGE/BLACK, GREEN/BLACK, BLUE, BLACK
			PB	WEST CROSSWALK	BLACK/WHITE
CB1	SB7	15	4	EASTBOUND	RED, ORANGE, GREEN, BLUE, BLACK
			6	WESTBOUND	RED/BLACK, ORANGE/BLACK, GREEN/BLACK, GREEN/WHITE, RED/WHITE
			PB	WEST CROSSWALK	BLACK/WHITE
CB1	SB8	9	7	WESTBOUND	RED, ORANGE, GREEN
			20	PED/WEST CROSSWALK	BLUE, BLACK
CB1	SB9	15	13	NORTHBOUND	RED, ORANGE, GREEN, BLUE, BLACK
			14	SOUTHBOUND	RED/BLACK, ORANGE/BLACK, GREEN/BLACK
			21	PED/NORTH CROSSWALK	BLUE/BLACK, WHITE/BLACK
			PB	NORTH CROSSWALK	BLACK/WHITE
CB1	SB10	15	10	NORTHBOUND	RED, ORANGE, GREEN, BLUE, BLACK
			17	SOUTHBOUND	RED/BLACK, ORANGE/BLACK, GREEN/BLACK, GREEN/WHITE, RED/WHITE
			PB	NORTH CROSSWALK	BLACK/WHITE
CB1	SB11	12	11	NORTHBOUND	RED, ORANGE, GREEN, BLUE, BLACK
			PB	NORTH CROSSWALK	BLACK/WHITE
CB1	SB12	9	5	WESTBOUND	RED, ORANGE, GREEN
			22	PED/NORTH CROSSWALK	BLUE/BLACK, WHITE/BLACK
CB1	SB13	15	2	EASTBOUND	RED, ORANGE, GREEN, BLUE, BLACK
			8	WESTBOUND	RED/BLACK, ORANGE/BLACK, GREEN/BLACK, GREEN/WHITE, RED/WHITE

NOTE: USE THE WHITE CONDUCTOR IN EACH CABLE AS THE NEUTRAL AT EACH SIGNAL BASE.

EXISTING CABLING PROVIDED
FOR REFERENCE ONLY

TRAFFIC CONTROL SIGNAL
CTH B & VILLAGE PARK DRIVE
VILLAGE OF PLOVER
PORTAGE COUNTY

SIGNAL NO. LOCAL CONTROLLER TYPE: ATC FLEX

MUNICIPAL CONTACT: _____
DESIGNED BY: ------
REVISED BY: KL ENGINEERING

PAGE 5 OF 5

Designed by : Checked by : Graphics by : Earth Tech Project No. :

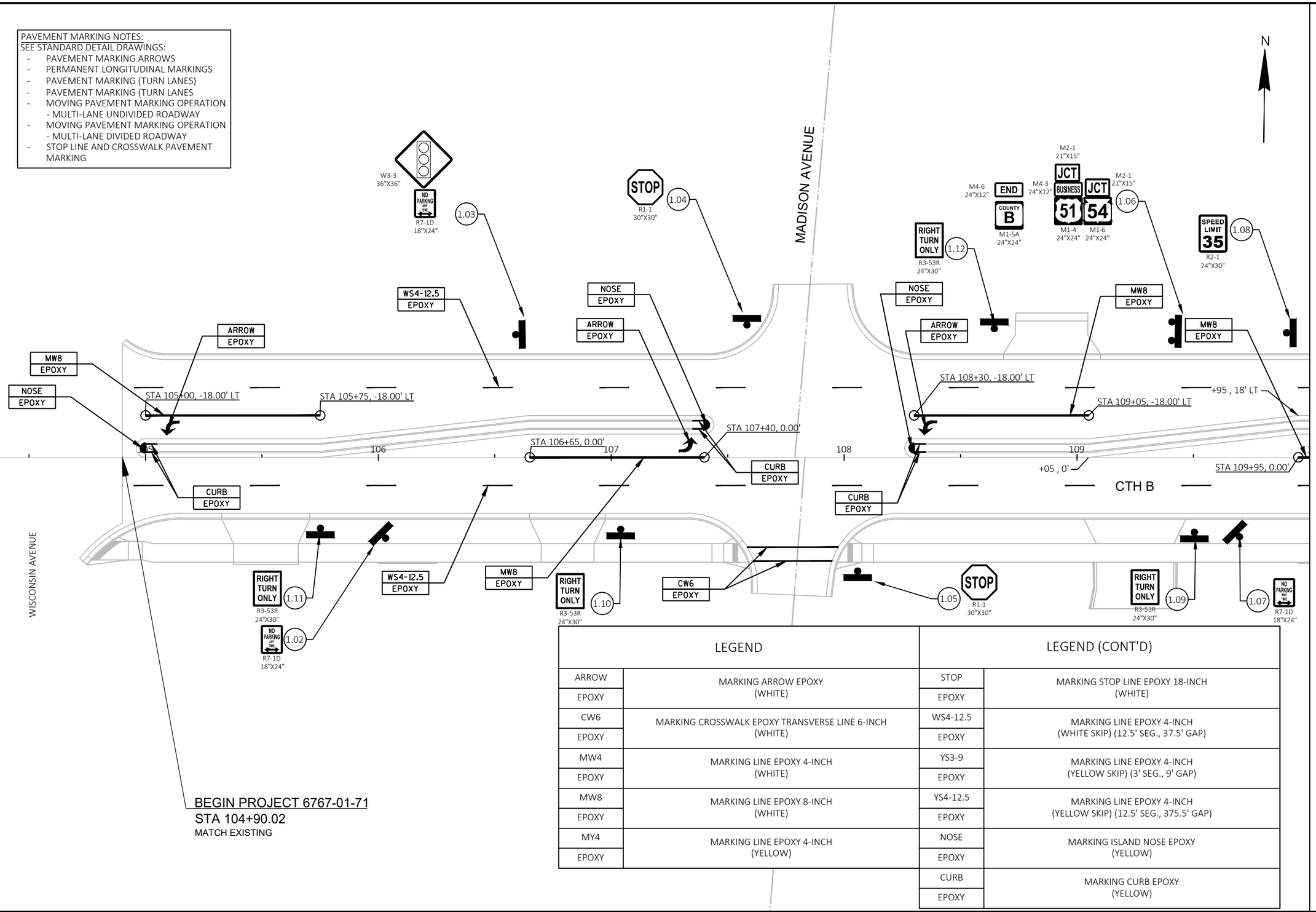
PROJECT NO: 6767-01-01/6767-02-01	HWY: CTH B	COUNTY: PORTAGE	EXISTING CABLE ROUTING	SHEET 106	E

FILE NAME : G:\GREMMER\21053-000_21054-000 CTH B - PORTAGE CTY\CIVIL 3D\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - Village Park Cabling Exist

PLOT DATE : 10/27/2023 1:28 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

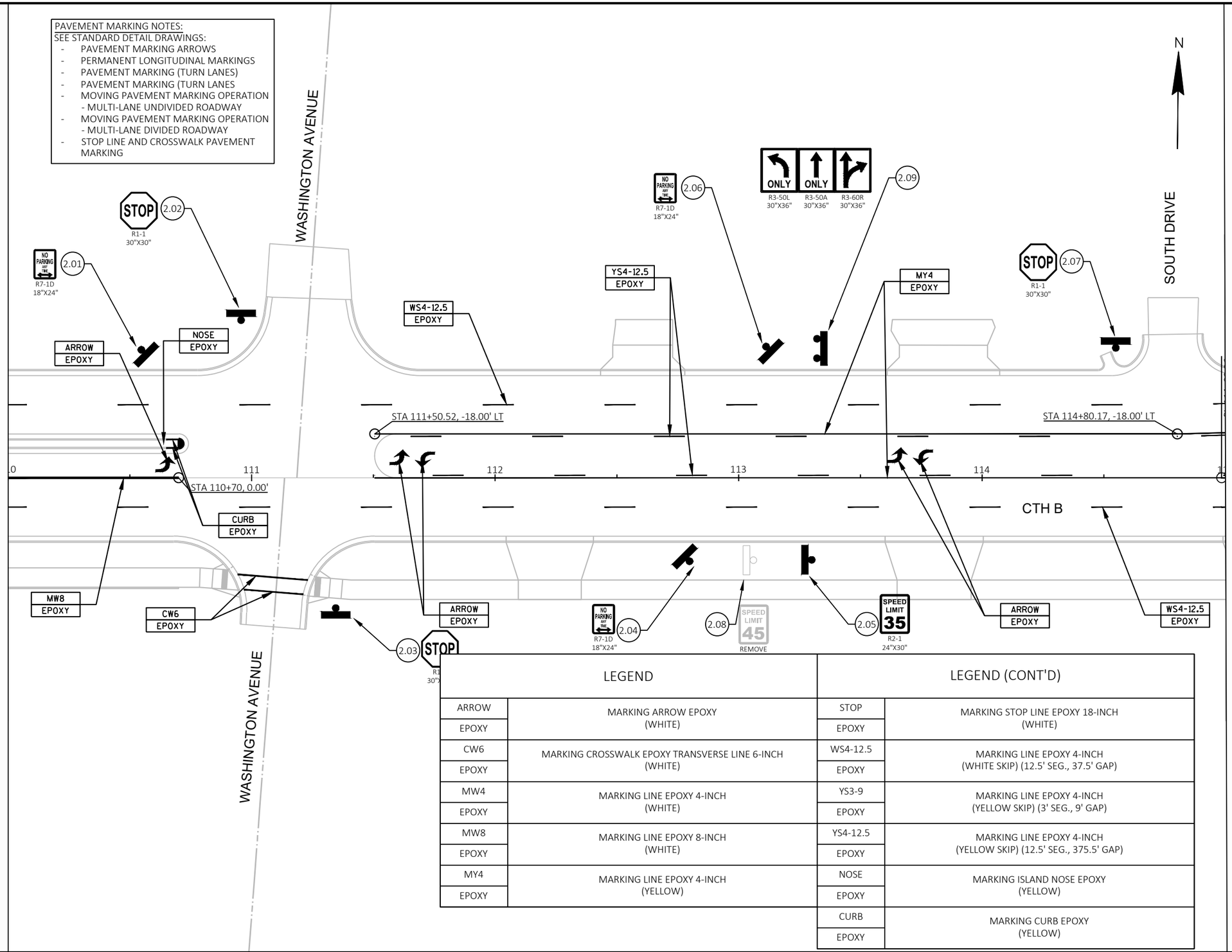
PAVEMENT MARKING NOTES:
SEE STANDARD DETAIL DRAWINGS:
- PAVEMENT MARKING ARROWS
- PERMANENT LONGITUDINAL MARKINGS
- PAVEMENT MARKING (TURN LANES)
- PAVEMENT MARKING (TURN LANES)
- MOVING PAVEMENT MARKING OPERATION - MULTI-LANE UNDIVIDED ROADWAY
- MOVING PAVEMENT MARKING OPERATION - MULTI-LANE DIVIDED ROADWAY
- STOP LINE AND CROSSWALK PAVEMENT MARKING



LEGEND		LEGEND (CONT'D)	
ARROW EPOXY	MARKING ARROW EPOXY (WHITE)	STOP EPOXY	MARKING STOP LINE EPOXY 18-INCH (WHITE)
CW6 EPOXY	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)	WS4-12.5 EPOXY	MARKING LINE EPOXY 4-INCH (WHITE SKIP) (12.5' SEG., 37.5' GAP)
MW4 EPOXY	MARKING LINE EPOXY 4-INCH (WHITE)	YS3-9 EPOXY	MARKING LINE EPOXY 4-INCH (YELLOW SKIP) (3' SEG., 9' GAP)
MW8 EPOXY	MARKING LINE EPOXY 8-INCH (WHITE)	YS4-12.5 EPOXY	MARKING LINE EPOXY 4-INCH (YELLOW SKIP) (12.5' SEG., 375.5' GAP)
MY4 EPOXY	MARKING LINE EPOXY 4-INCH (YELLOW)	NOSE EPOXY	MARKING ISLAND NOSE EPOXY (YELLOW)
		CURB EPOXY	MARKING CURB EPOXY (YELLOW)

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	PAVEMENT MARKING & PERMANENT SIGNING	SHEET 107	E

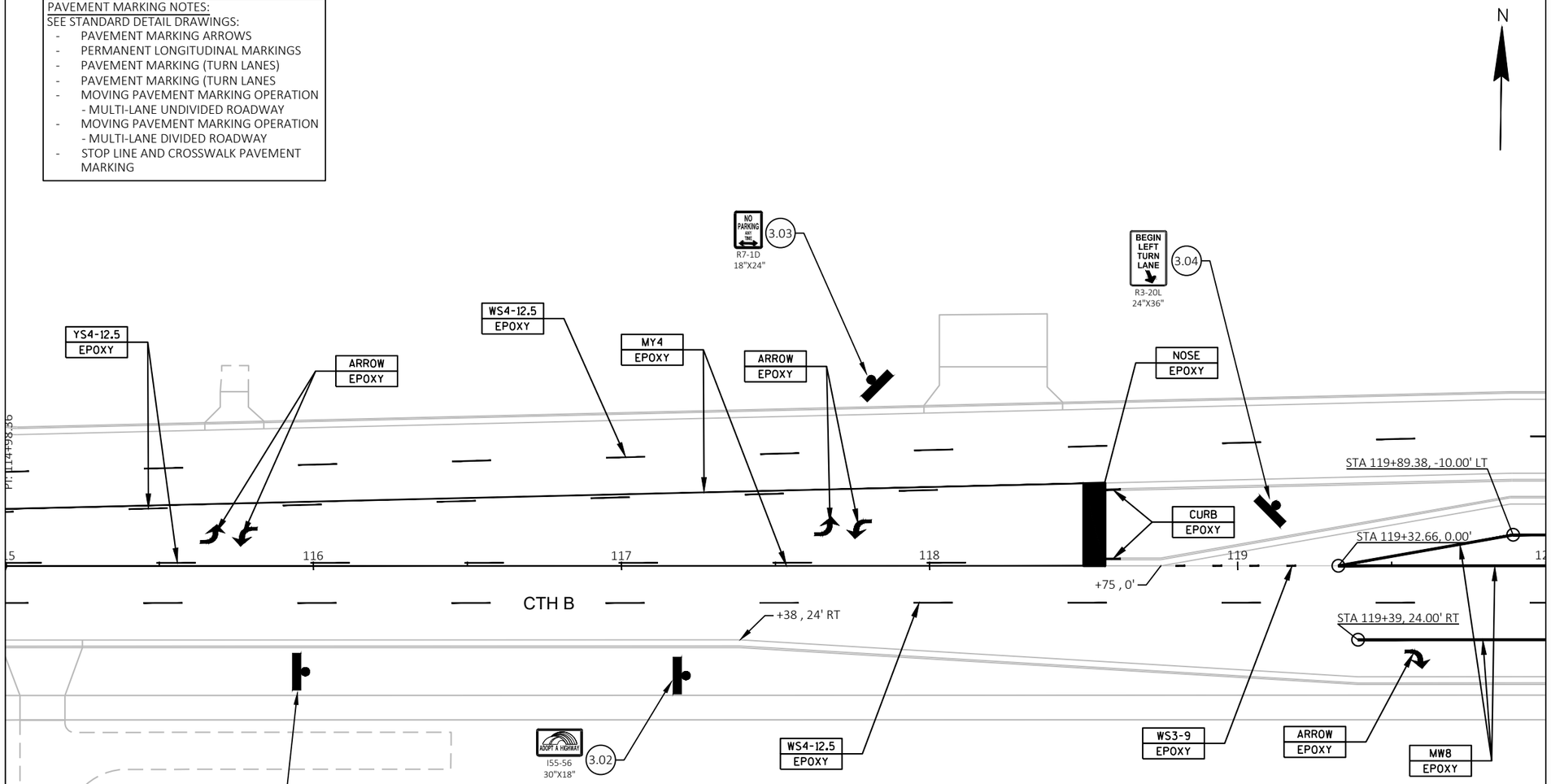
PAVEMENT MARKING NOTES:
SEE STANDARD DETAIL DRAWINGS:
- PAVEMENT MARKING ARROWS
- PERMANENT LONGITUDINAL MARKINGS
- PAVEMENT MARKING (TURN LANES)
- PAVEMENT MARKING (TURN LANES
- MOVING PAVEMENT MARKING OPERATION - MULTI-LANE UNDIVIDED ROADWAY
- MOVING PAVEMENT MARKING OPERATION - MULTI-LANE DIVIDED ROADWAY
- STOP LINE AND CROSSWALK PAVEMENT MARKING



LEGEND	
ARROW EPOXY	MARKING ARROW EPOXY (WHITE)
CW6 EPOXY	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
MW4 EPOXY	MARKING LINE EPOXY 4-INCH (WHITE)
MW8 EPOXY	MARKING LINE EPOXY 8-INCH (WHITE)
MY4 EPOXY	MARKING LINE EPOXY 4-INCH (YELLOW)

LEGEND (CONT'D)	
STOP EPOXY	MARKING STOP LINE EPOXY 18-INCH (WHITE)
WS4-12.5 EPOXY	MARKING LINE EPOXY 4-INCH (WHITE SKIP) (12.5' SEG., 37.5' GAP)
YS3-9 EPOXY	MARKING LINE EPOXY 4-INCH (YELLOW SKIP) (3' SEG., 9' GAP)
YS4-12.5 EPOXY	MARKING LINE EPOXY 4-INCH (YELLOW SKIP) (12.5' SEG., 375.5' GAP)
NOSE EPOXY	MARKING ISLAND NOSE EPOXY (YELLOW)
CURB EPOXY	MARKING CURB EPOXY (YELLOW)

PAVEMENT MARKING NOTES:
SEE STANDARD DETAIL DRAWINGS:
- PAVEMENT MARKING ARROWS
- PERMANENT LONGITUDINAL MARKINGS
- PAVEMENT MARKING (TURN LANES)
- PAVEMENT MARKING (TURN LANES
- MOVING PAVEMENT MARKING OPERATION - MULTI-LANE UNDIVIDED ROADWAY
- MOVING PAVEMENT MARKING OPERATION - MULTI-LANE DIVIDED ROADWAY
- STOP LINE AND CROSSWALK PAVEMENT MARKING



LEGEND	
ARROW EPOXY	MARKING ARROW EPOXY (WHITE)
CW6 EPOXY	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
MW4 EPOXY	MARKING LINE EPOXY 4-INCH (WHITE)
MW8 EPOXY	MARKING LINE EPOXY 8-INCH (WHITE)
MY4 EPOXY	MARKING LINE EPOXY 4-INCH (YELLOW)

LEGEND (CONT'D)	
STOP EPOXY	MARKING STOP LINE EPOXY 18-INCH (WHITE)
WS4-12.5 EPOXY	MARKING LINE EPOXY 4-INCH (WHITE SKIP) (12.5' SEG., 37.5' GAP)
YS3-9 EPOXY	MARKING LINE EPOXY 4-INCH (YELLOW SKIP) (3' SEG., 9' GAP)
YS4-12.5 EPOXY	MARKING LINE EPOXY 4-INCH (YELLOW SKIP) (12.5' SEG., 375.5' GAP)
NOSE EPOXY	MARKING ISLAND NOSE EPOXY (YELLOW)
CURB EPOXY	MARKING CURB EPOXY (YELLOW)

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	PAVEMENT MARKING &PERMANENT SIGNING	SHEET 109	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\024501_PM\024501_PM_SIGNS.DWG
LAYOUT NAME - 15
PLOT DATE : 12/12/2023 3:41 PM PLOT BY : JARED HALBUR PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

PAVEMENT MARKING NOTES:
SEE STANDARD DETAIL DRAWINGS:
- PAVEMENT MARKING ARROWS
- PERMANENT LONGITUDINAL MARKINGS
- PAVEMENT MARKING (TURN LANES)
- PAVEMENT MARKING (TURN LANES
- MOVING PAVEMENT MARKING OPERATION - MULTI-LANE UNDIVIDED ROADWAY
- MOVING PAVEMENT MARKING OPERATION - MULTI-LANE DIVIDED ROADWAY
- STOP LINE AND CROSSWALK PAVEMENT MARKING

N

MECCA DRIVE

STOP 4.02 REMOVE

MW8 EPOXY

WS4-12.5 EPOXY

ARROW EPOXY

CW6 EPOXY

CURB EPOXY

NOSE EPOXY

STOP EPOXY

+39 , 54' LT

STA 123+69.03, -54.00' LT

+69 , 54 LT

STA 124+43.54, -19.95' LT

+69 , 24' RT

CTH B

120 121 122 123 124

MW8 EPOXY 4.05 W12-1D 24"X24"

WS4-12.5 EPOXY

ARROW EPOXY

TRUCK ROUTE 4.01 R14-1 24"X18"

CW6 EPOXY

CURB EPOXY

WS4-12.5 EPOXY

4.04 W12-1D 24"X24"

4.03 STOP REMOVE

MW8 EPOXY

MECCA DRIVE

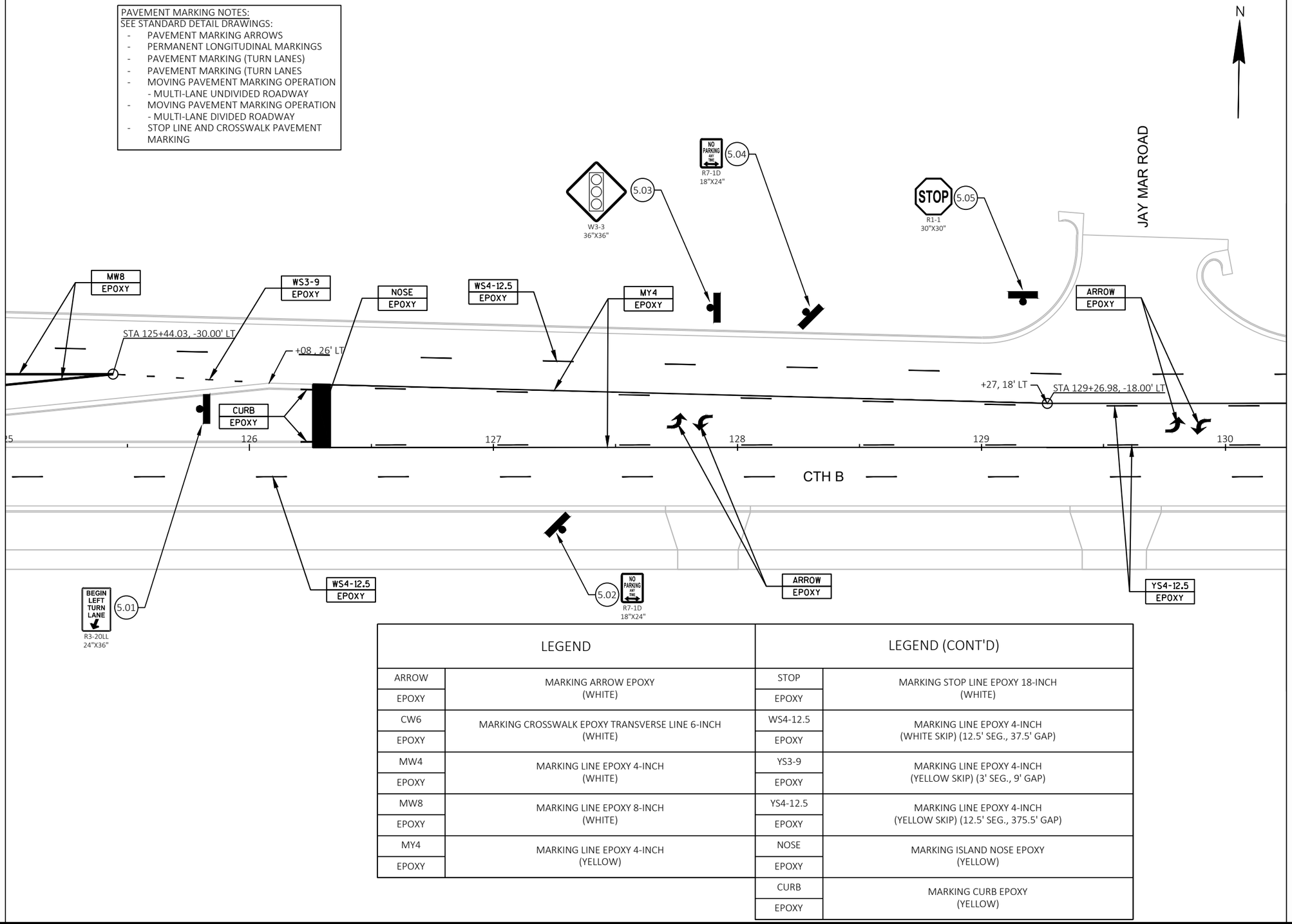
LEGEND

ARROW EPOXY	MARKING ARROW EPOXY (WHITE)
CW6 EPOXY	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
MW4 EPOXY	MARKING LINE EPOXY 4-INCH (WHITE)
MW8 EPOXY	MARKING LINE EPOXY 8-INCH (WHITE)
MY4 EPOXY	MARKING LINE EPOXY 4-INCH (YELLOW)

LEGEND (CONT'D)

STOP EPOXY	MARKING STOP LINE EPOXY 18-INCH (WHITE)
WS4-12.5 EPOXY	MARKING LINE EPOXY 4-INCH (WHITE SKIP) (12.5' SEG., 37.5' GAP)
YS3-9 EPOXY	MARKING LINE EPOXY 4-INCH (YELLOW SKIP) (3' SEG., 9' GAP)
YS4-12.5 EPOXY	MARKING LINE EPOXY 4-INCH (YELLOW SKIP) (12.5' SEG., 375.5' GAP)
NOSE EPOXY	MARKING ISLAND NOSE EPOXY (YELLOW)
CURB EPOXY	MARKING CURB EPOXY (YELLOW)

PAVEMENT MARKING NOTES:
SEE STANDARD DETAIL DRAWINGS:
- PAVEMENT MARKING ARROWS
- PERMANENT LONGITUDINAL MARKINGS
- PAVEMENT MARKING (TURN LANES)
- PAVEMENT MARKING (TURN LANES
- MOVING PAVEMENT MARKING OPERATION - MULTI-LANE UNDIVIDED ROADWAY
- MOVING PAVEMENT MARKING OPERATION - MULTI-LANE DIVIDED ROADWAY
- STOP LINE AND CROSSWALK PAVEMENT MARKING



LEGEND	
ARROW EPOXY	MARKING ARROW EPOXY (WHITE)
CW6 EPOXY	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
MW4 EPOXY	MARKING LINE EPOXY 4-INCH (WHITE)
MW8 EPOXY	MARKING LINE EPOXY 8-INCH (WHITE)
MY4 EPOXY	MARKING LINE EPOXY 4-INCH (YELLOW)

LEGEND (CONT'D)	
STOP EPOXY	MARKING STOP LINE EPOXY 18-INCH (WHITE)
WS4-12.5 EPOXY	MARKING LINE EPOXY 4-INCH (WHITE SKIP) (12.5' SEG., 37.5' GAP)
YS3-9 EPOXY	MARKING LINE EPOXY 4-INCH (YELLOW SKIP) (3' SEG., 9' GAP)
YS4-12.5 EPOXY	MARKING LINE EPOXY 4-INCH (YELLOW SKIP) (12.5' SEG., 375.5' GAP)
NOSE EPOXY	MARKING ISLAND NOSE EPOXY (YELLOW)
CURB EPOXY	MARKING CURB EPOXY (YELLOW)

PAVEMENT MARKING NOTES:
SEE STANDARD DETAIL DRAWINGS:
- PAVEMENT MARKING ARROWS
- PERMANENT LONGITUDINAL MARKINGS
- PAVEMENT MARKING (TURN LANES)
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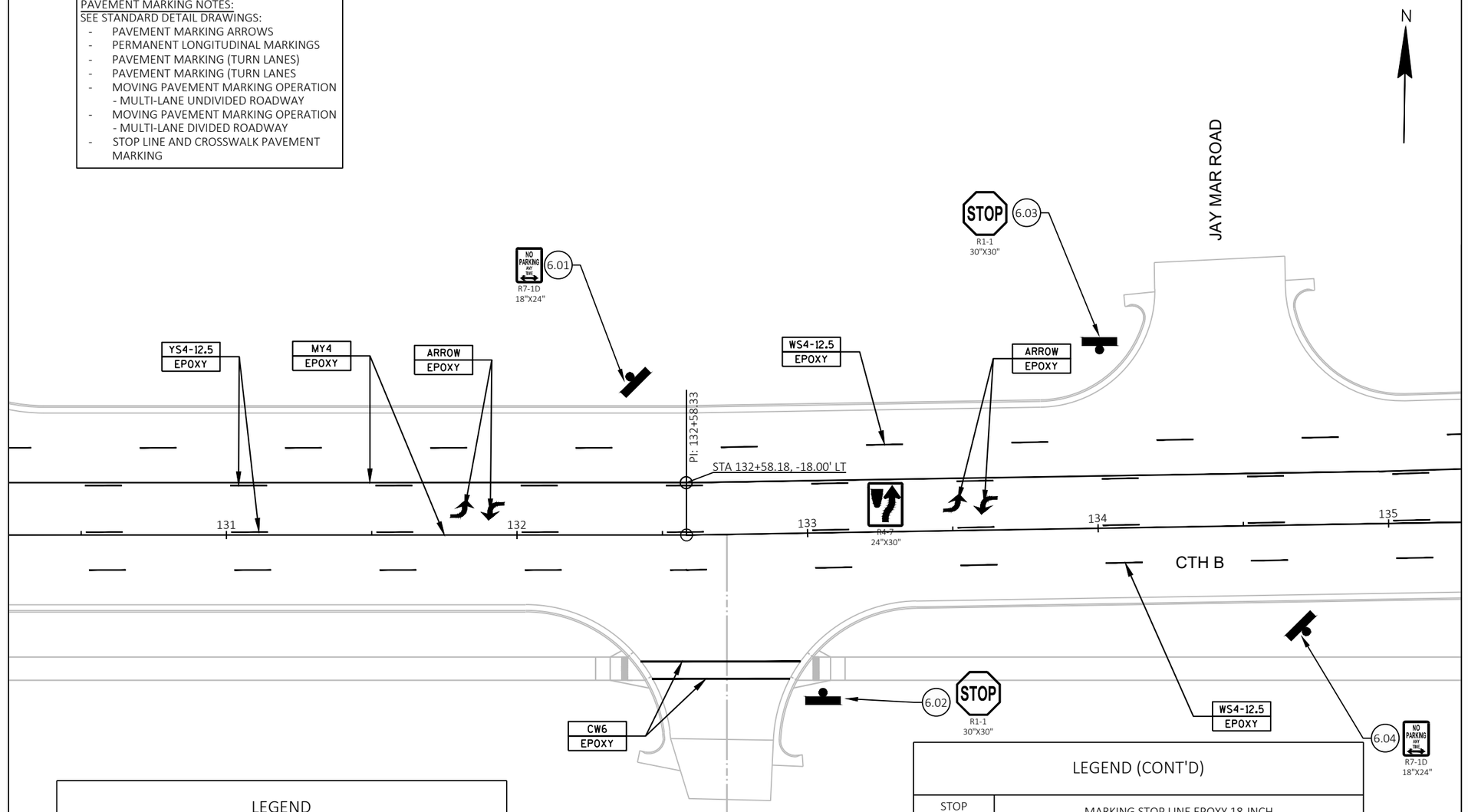

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CURB EPOXY	MARKING CURB EPOXY (YELLOW)

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	PAVEMENT MARKING & PERMANENT SIGNING	SHEET 112	E

PAVEMENT MARKING NOTES:
SEE STANDARD DETAIL DRAWINGS:
- PAVEMENT MARKING ARROWS
- PERMANENT LONGITUDINAL MARKINGS
- PAVEMENT MARKING (TURN LANES)
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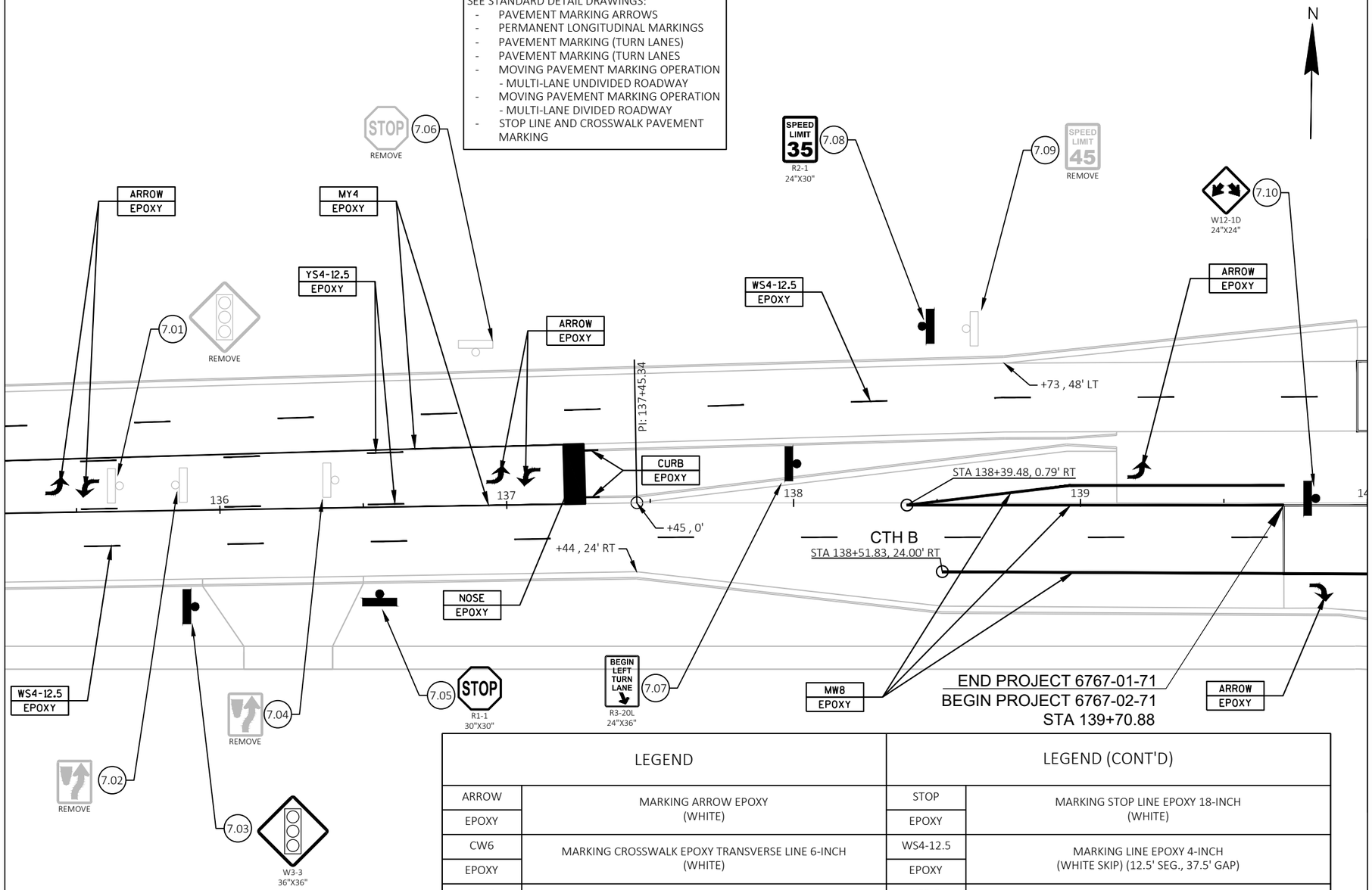

LEGEND	
ARROW EPOXY	MARKING ARROW EPOXY (WHITE)
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LEGEND (CONT'D)	
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PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	PAVEMENT MARKING & PERMANENT SIGNING	SHEET 113	E

2

PAVEMENT MARKING NOTES:
SEE STANDARD DETAIL DRAWINGS:
- PAVEMENT MARKING ARROWS
- PERMANENT LONGITUDINAL MARKINGS
- PAVEMENT MARKING (TURN LANES)
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- MOVING PAVEMENT MARKING OPERATION - MULTI-LANE UNDIVIDED ROADWAY
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- STOP LINE AND CROSSWALK PAVEMENT MARKING

N

HOOVER AVENUE

WS4-12.5 EPOXY
MW8 EPOXY
CW6 EPOXY
STOP EPOXY
MW4 EPOXY
ARROW EPOXY
YS3-9 EPOXY
YS4-12.5 EPOXY
NOSE EPOXY
CURB EPOXY

PI: 141+18.83
PI: 144+84.00

STA 143+70.72, -60.21' LT
STA 144+86.01, -50.09' LT
+26 , 56' LT
STA 143+57.86, -26.01' LT
+92 , 26' LT
STA 142+95.37, -18.57' LT
+84 , 0'
STA 144+37.88, 24.12' RT
CTH B
STA 143+49.80, 24.40' RT

140 141 142 143 144 14

HOOVER AVENUE

LEGEND		LEGEND (CONT'D)	
ARROW EPOXY	MARKING ARROW EPOXY (WHITE)	STOP EPOXY	MARKING STOP LINE EPOXY 18-INCH (WHITE)
CW6 EPOXY	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)	WS4-12.5 EPOXY	MARKING LINE EPOXY 4-INCH (WHITE SKIP) (12.5' SEG., 37.5' GAP)
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MY4 EPOXY	MARKING LINE EPOXY 4-INCH (YELLOW)	NOSE EPOXY	MARKING ISLAND NOSE EPOXY (YELLOW)
		CURB EPOXY	MARKING CURB EPOXY (YELLOW)

PAVEMENT MARKING NOTES:
SEE STANDARD DETAIL DRAWINGS:
- PAVEMENT MARKING ARROWS
- PERMANENT LONGITUDINAL MARKINGS
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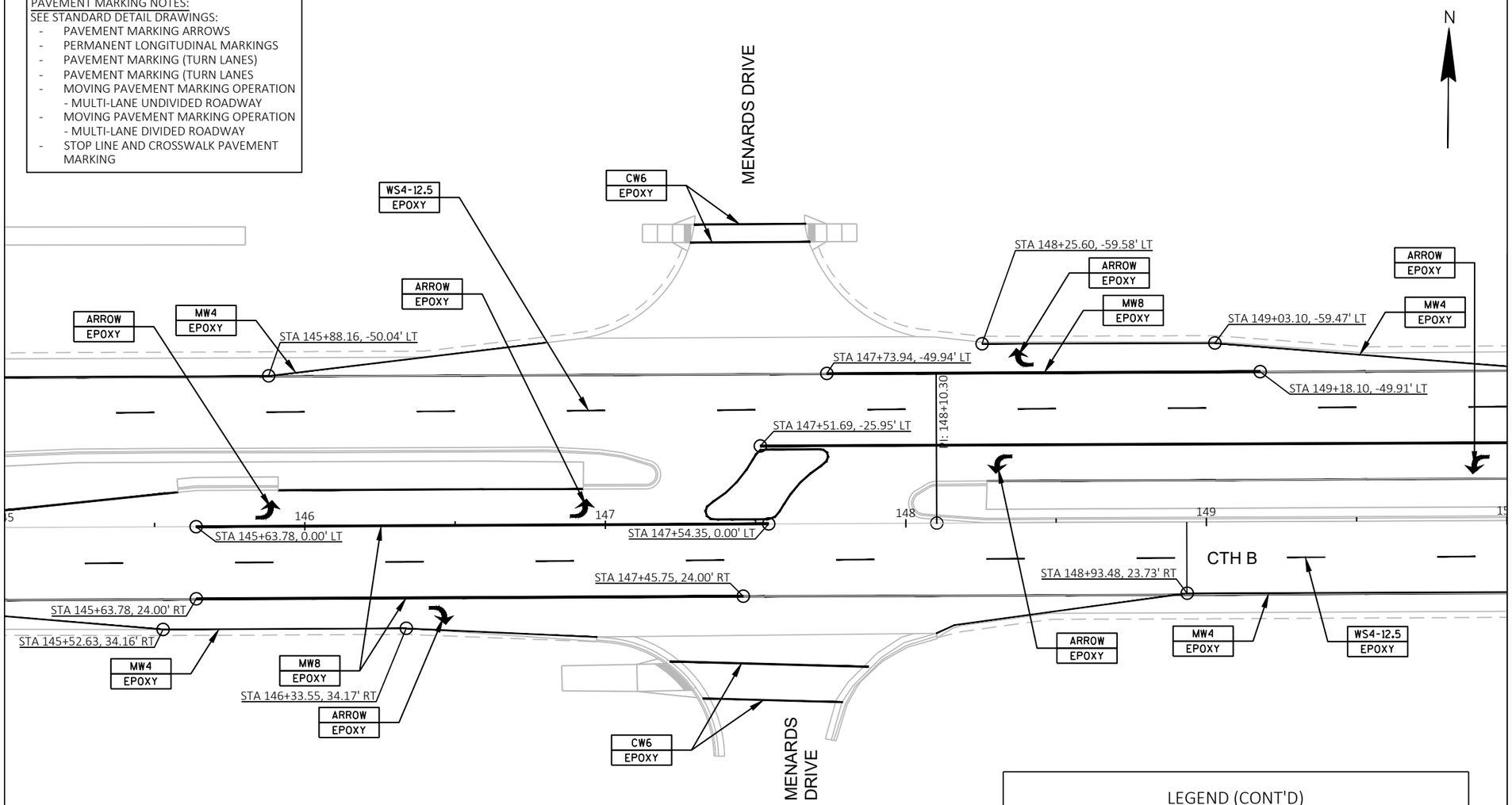

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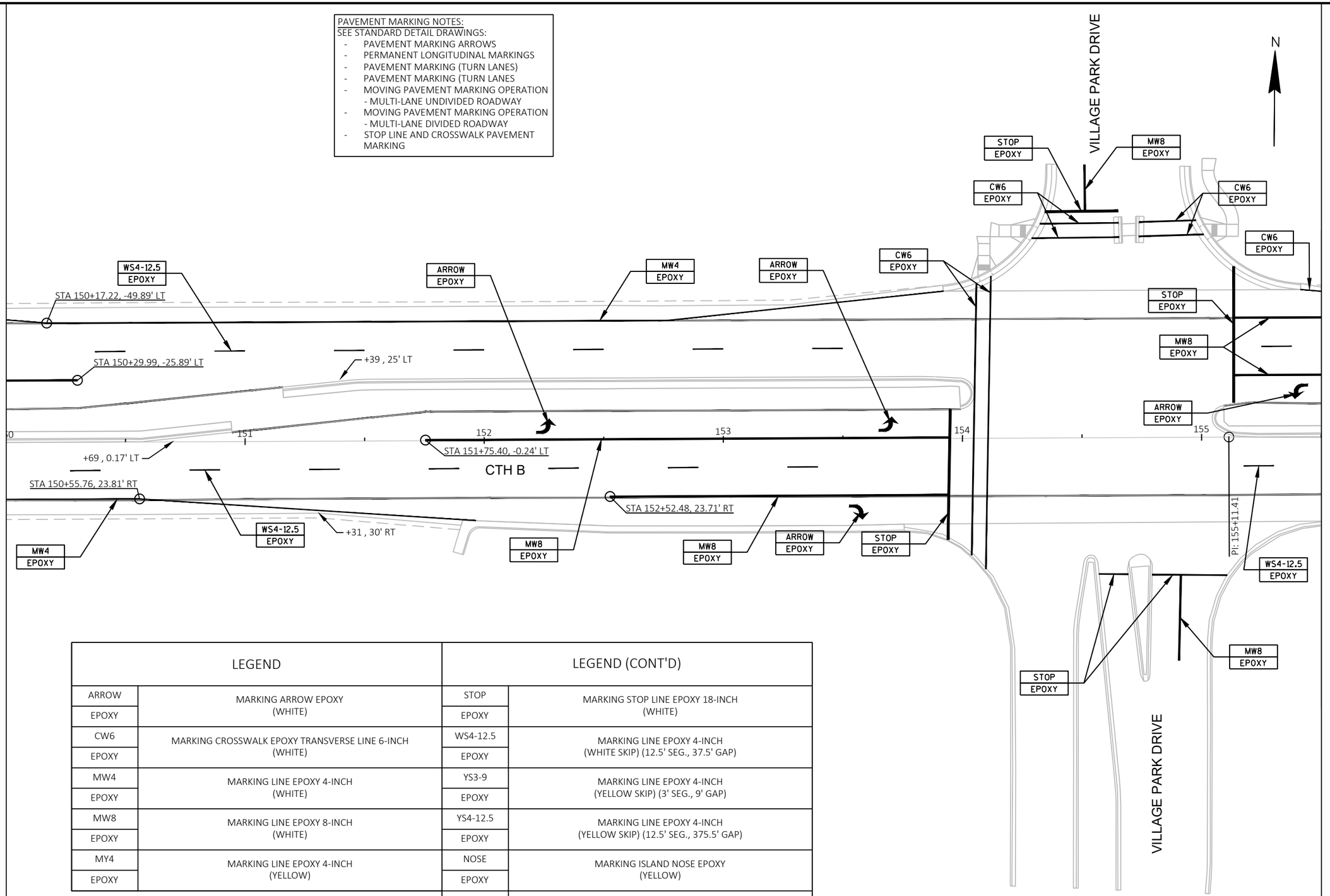

LEGEND		LEGEND (CONT'D)	
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PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	PAVEMENT MARKING & PERMANENT SIGNING	SHEET 116	E

PAVEMENT MARKING NOTES:
SEE STANDARD DETAIL DRAWINGS:
- PAVEMENT MARKING ARROWS
- PERMANENT LONGITUDINAL MARKINGS
- PAVEMENT MARKING (TURN LANES)
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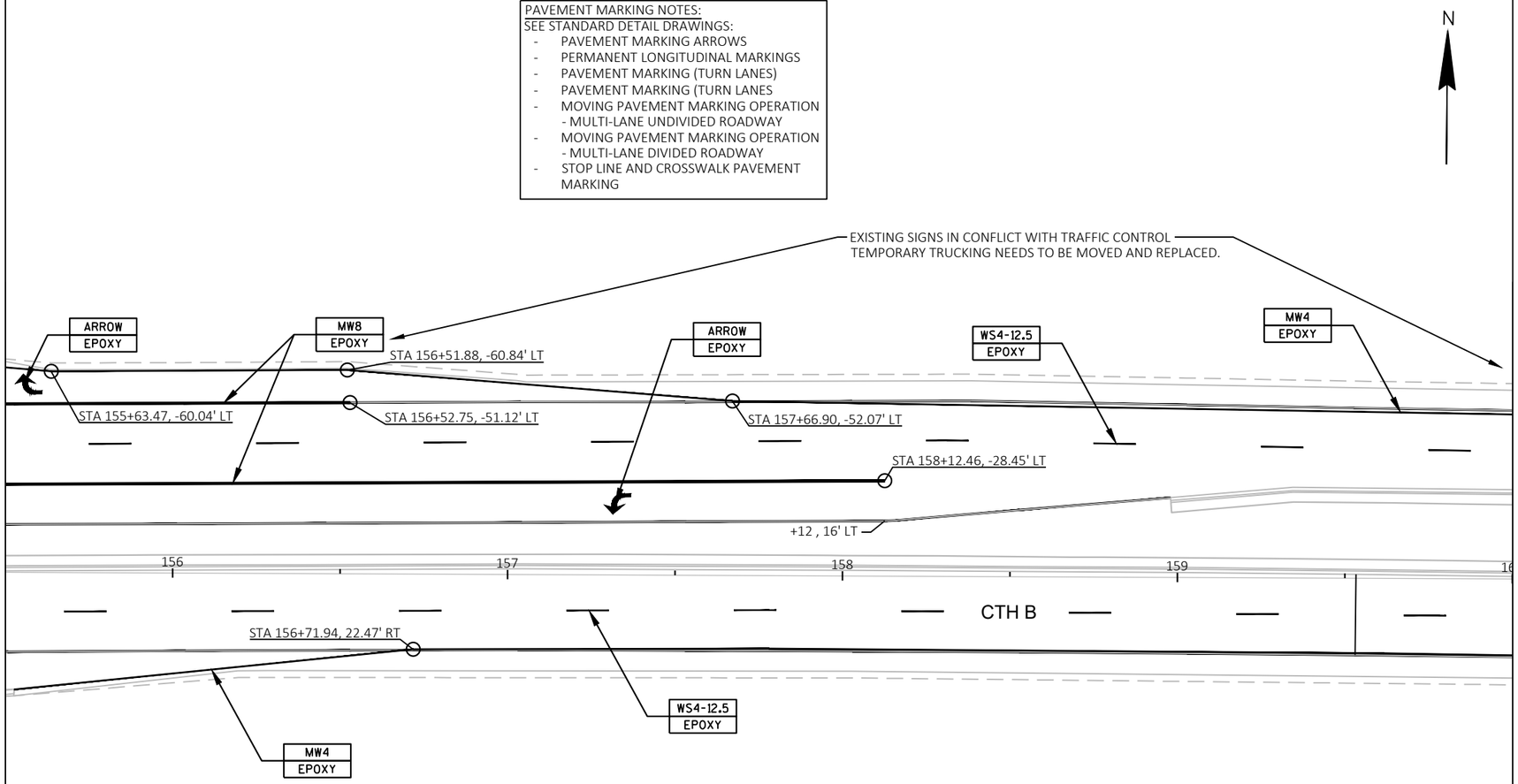

LEGEND		LEGEND (CONT'D)	
ARROW EPOXY	MARKING ARROW EPOXY (WHITE)	STOP EPOXY	MARKING STOP LINE EPOXY 18-INCH (WHITE)
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PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	PAVEMENT MARKING	SHEET 117	E

PAVEMENT MARKING NOTES:
SEE STANDARD DETAIL DRAWINGS:
- PAVEMENT MARKING ARROWS
- PERMANENT LONGITUDINAL MARKINGS
- PAVEMENT MARKING (TURN LANES)
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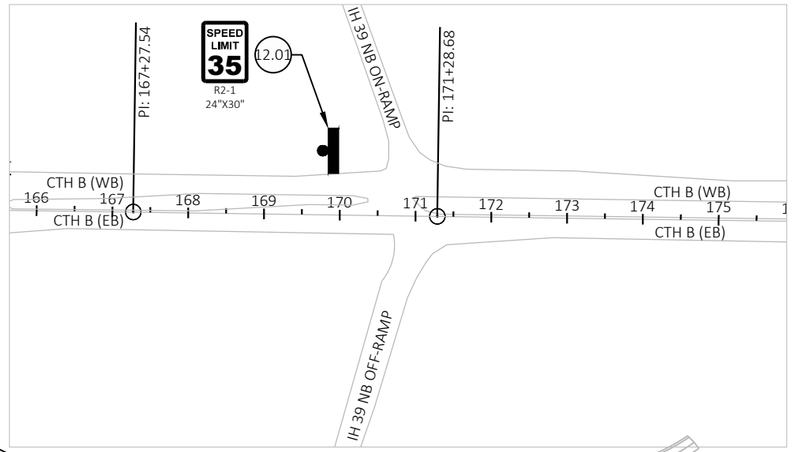

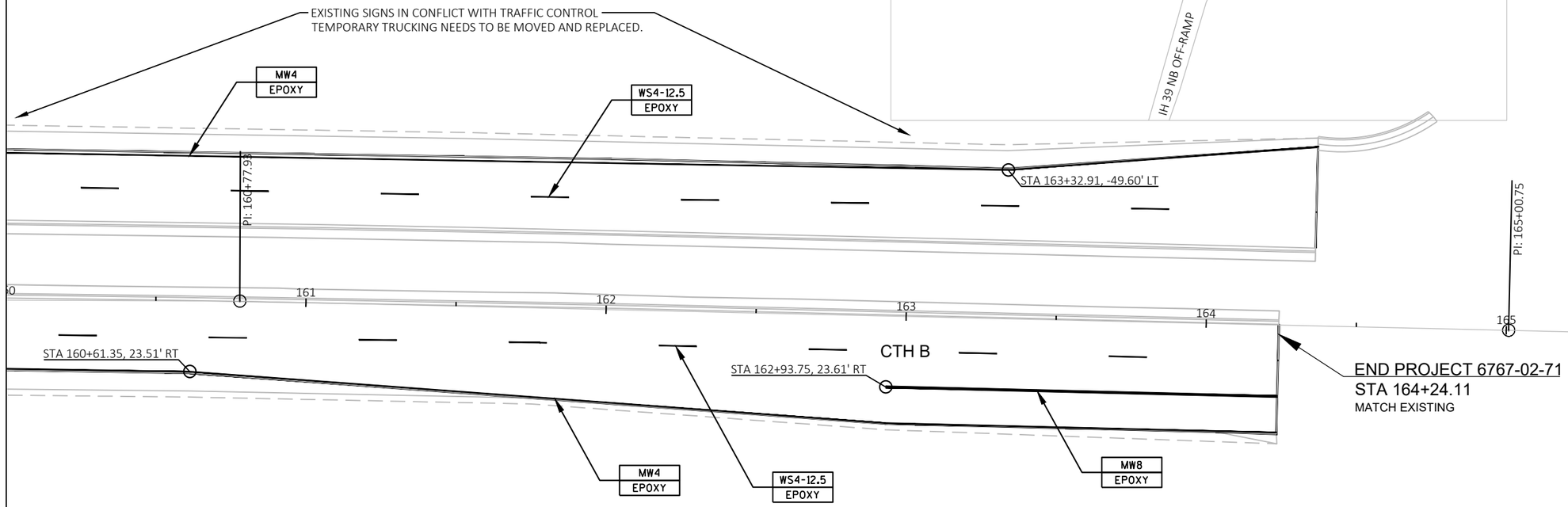

LEGEND		LEGEND (CONT'D)	
ARROW EPOXY	MARKING ARROW EPOXY (WHITE)	STOP EPOXY	MARKING STOP LINE EPOXY 18-INCH (WHITE)
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		CURB EPOXY	MARKING CURB EPOXY (YELLOW)

2

GENERAL TRAFFIC SIGNAL NOTES (ALL STAGES):

Signal operations at CTH B & Hoover Avenue shall be maintained during construction. Installation of new traffic signal poles, signal heads, signal cabinet/controller, and signal cable shall be coordinated with removal of existing signal items and be completed without impacts to traffic. Signal replacements should be completed during construction stages where the signal indications are not being used.

Proposed traffic signal modifications at CTH B & Village Park Drive shall be completed during Stages 1 and 2, while CTH B traffic is being detoured. Any work completed outside of these two stages shall be approved by the engineer.

In-pavement loop replacements shall be staged with the pavement work being performed.

If any traffic signal modifications are completed on traffic movements open to traffic, signal operations shall comply with MUTCD requirements. Any necessary downtime of active signal indications shall be minimized and completed during off-peak traffic hours. All work shall be approved by the Engineer.

Notify WisDOT's North Central Traffic Unit (715) 459-4264 at least five days prior to any construction impacts to CTH B/STH 54 & BUS 51/Post Road and CTH B & IH 39 SB Ramps intersections.

TRAFFIC CONTROL NOTES:

SEE DETOUR PLANS FOR ADVANCE SIGNING OUTSIDE OF WORKZONE.

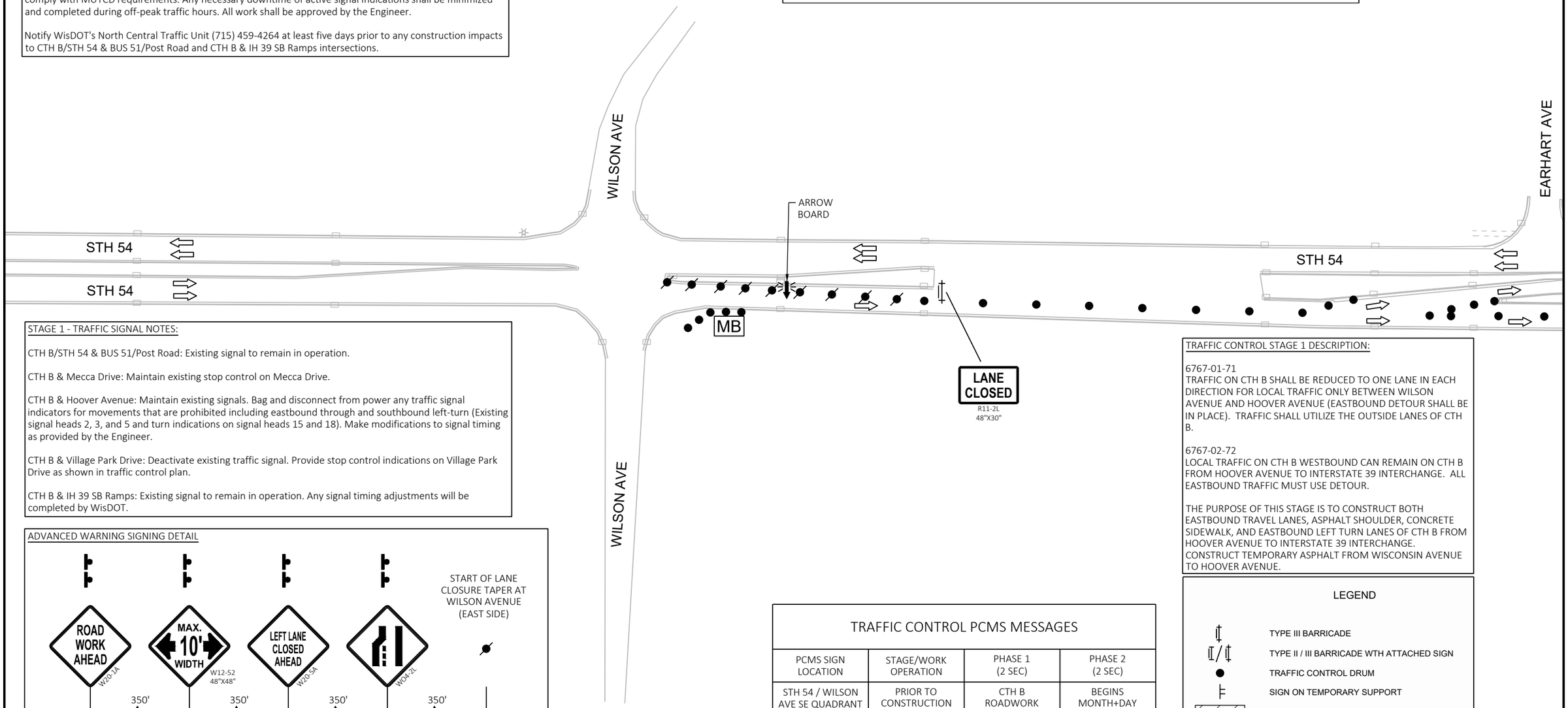
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

LAYOUTS ARE DRAWN FOR VISUAL REPRESENTATION. UTILIZE WISDOT STANDARD DETAIL DRAWINGS:
- TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
- TRAFFIC CONTROL, FULL LANE SHIFT NON-FREEWAY/EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER
- TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC

PCMS: ADJUST TRAFFIC CONTROL PCMS MESSAGE AS NEEDED BASED ON CONSTRUCTION SCHEDULE. CONFIRM MESSAGES WITH THE ENGINEER BEFORE IMPLEMENTING. (EXAMPLE MESSAGES PROVIDED, ADJUST MESSAGES TO REFLECT CURRENT SITUATION)

ALL PRIOR TO CONSTRUCTION MESSAGES SHALL BE PLACED 7 DAYS PRIOR TO CLOSURE OR BEGIN OF WORK

N



STAGE 1 - TRAFFIC SIGNAL NOTES:

CTH B/STH 54 & BUS 51/Post Road: Existing signal to remain in operation.

CTH B & Mecca Drive: Maintain existing stop control on Mecca Drive.

CTH B & Hoover Avenue: Maintain existing signals. Bag and disconnect from power any traffic signal indicators for movements that are prohibited including eastbound through and southbound left-turn (Existing signal heads 2, 3, and 5 and turn indications on signal heads 15 and 18). Make modifications to signal timing as provided by the Engineer.

CTH B & Village Park Drive: Deactivate existing traffic signal. Provide stop control indications on Village Park Drive as shown in traffic control plan.

CTH B & IH 39 SB Ramps: Existing signal to remain in operation. Any signal timing adjustments will be completed by WisDOT.

TRAFFIC CONTROL STAGE 1 DESCRIPTION:

6767-01-71
TRAFFIC ON CTH B SHALL BE REDUCED TO ONE LANE IN EACH DIRECTION FOR LOCAL TRAFFIC ONLY BETWEEN WILSON AVENUE AND HOOVER AVENUE (EASTBOUND DETOUR SHALL BE IN PLACE). TRAFFIC SHALL UTILIZE THE OUTSIDE LANES OF CTH B.

6767-02-72
LOCAL TRAFFIC ON CTH B WESTBOUND CAN REMAIN ON CTH B FROM HOOVER AVENUE TO INTERSTATE 39 INTERCHANGE. ALL EASTBOUND TRAFFIC MUST USE DETOUR.

THE PURPOSE OF THIS STAGE IS TO CONSTRUCT BOTH EASTBOUND TRAVEL LANES, ASPHALT SHOULDER, CONCRETE SIDEWALK, AND EASTBOUND LEFT TURN LANES OF CTH B FROM HOOVER AVENUE TO INTERSTATE 39 INTERCHANGE. CONSTRUCT TEMPORARY ASPHALT FROM WISCONSIN AVENUE TO HOOVER AVENUE.

ADVANCED WARNING SIGNING DETAIL

TRAFFIC CONTROL PCMS MESSAGES

PCMS SIGN LOCATION	STAGE/WORK OPERATION	PHASE 1 (2 SEC)	PHASE 2 (2 SEC)
STH 54 / WILSON AVE SE QUADRANT	PRIOR TO CONSTRUCTION	CTH B ROADWORK	BEGINS MONTH+DAY
STH 54 / WILSON AVE SE QUADRANT	DURING STAGE 1 CONSTRUCTION	CTH B OPEN TO HOOVER	LOCAL TRAFFIC ONLY

LEGEND

- TYPE III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC

2

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC CONTROL: STAGE 1	SHEET 119	E

2

2

MATCH LINE 113+50

N

POST ROAD / BUS 51

WISCONSIN AVE

MADISON AVE

WASHINGTON AVE

REMOVE MEDIAN
REPLACE WITH TEMPORARY ASPHALT

LANE CLOSED
R11-2L
48"X30"

101 102 103 104 105 106 107 108 109 110 111 112 113

STH 54

CTH B

ROAD CLOSED
0.8 MILES AHEAD
LOCAL TRAFFIC ONLY
R11-3B
60"X30"

DETOUR
M4-9R
30"X24"

STH 54

WISCONSIN AVE

MADISON AVE

WASHINGTON AVE

TRAFFIC CONTROL NOTES:

SEE DETOUR PLANS FOR ADVANCE SIGNING OUTSIDE OF WORKZONE.

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

LEGEND

- TYPE III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC CONTROL: STAGE 1	SHEET 120	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\025001_TC\025007_TC.DWG
LAYOUT NAME - 01

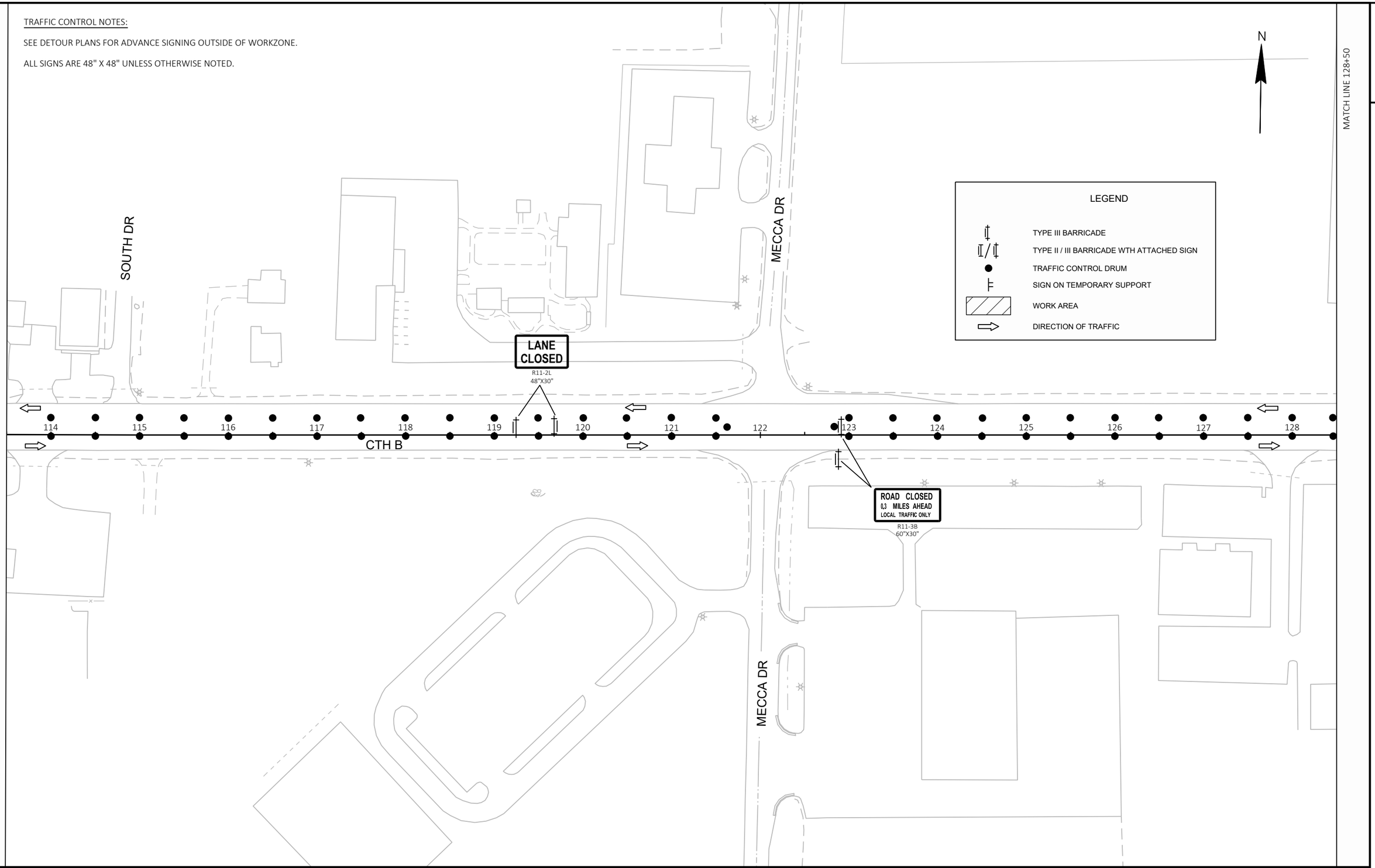
PLOT DATE : 10/27/2023 10:17 AM PLOT BY : DEXTER KAETTERHENRY PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

TRAFFIC CONTROL NOTES:

SEE DETOUR PLANS FOR ADVANCE SIGNING OUTSIDE OF WORKZONE.

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



2

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC CONTROL: STAGE 1	SHEET 121	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\025001_TC\025007_TC.DWG
LAYOUT NAME - 02
PLOT DATE : 10/27/2023 10:18 AM
PLOT BY : DEXTER KAETTERHENRY
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC

N

MATCH LINE 143+50

PLACE AT CEDAR DRIVE INTERSECTION

ROAD WORK AHEAD W20-1A

HOOVER AVE

LANE CLOSED R11-2L 48"X30"

REMOVE MEDIAN
REPLACE WITH TEMPORARY ASPHALT

ONE WAY R6-2R 24"X30"

R3-2 24"X24"

DO NOT ENTER R5-1 30"X30"

JAY MAR ROAD

129 130 131 132 133 134 135 136 137 138 139 140 141 142 143

CTH B

ROAD CLOSED 1000 FT W20-3C

IBER LANE

ROAD CLOSED 500 FT W20-3D

ONE WAY R6-2R 24"X30"

R3-2 24"X24"

R11-2L 48"X30" LANE CLOSED TYPE III BARRICADE

R11-2 R11-2-SIZE ROAD CLOSED TYPE III BARRICADE TYPE III BARRICADE TYPE III BARRICADE

HOOVER AVE

ROAD WORK AHEAD W20-1A PLACE AT MAPLE DRIVE INTERSECTION

MATCH LINE 128+50

TRAFFIC CONTROL NOTES:

SEE DETOUR PLANS FOR ADVANCE SIGNING OUTSIDE OF WORKZONE.

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

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC CONTROL: STAGE 1	SHEET 122	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\025001_TC\025007_TC.DWG
LAYOUT NAME - 03

PLOT DATE : 10/27/2023 10:18 AM PLOT BY : DEXTER KAETTERHENRY PLOT NAME : PLOT SCALE : 1 IN:100 FT

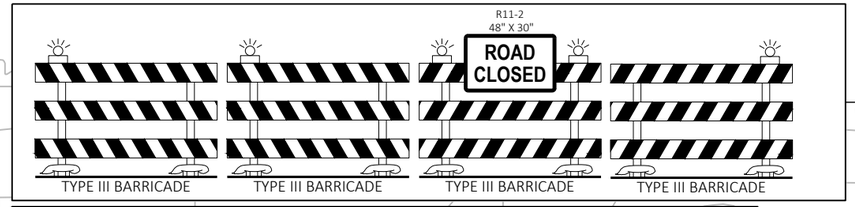
WISDOT/CADDS SHEET 42

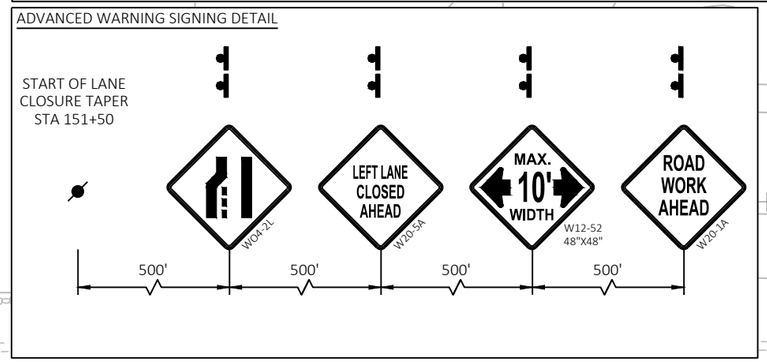
2

TRAFFIC CONTROL NOTES:

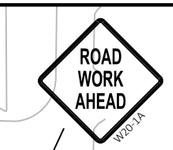
SEE DETOUR PLANS FOR ADVANCE SIGNING OUTSIDE OF WORKZONE.

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





ARTIST & FARE PLAZA ENTRANCE



VILLAGE PARK DRIVE

MATCH LINE 158+50

CTH B

144 145 146 147 148 149 150 151 152 153 154 155 156 157 158

PROVIDE TEMPORARY PEDESTRIAN ACCOMMODATIONS. UTILIZE SDD TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION SDD 15D30-09.

EXISTING SIGN BRIDGE TO REMAIN

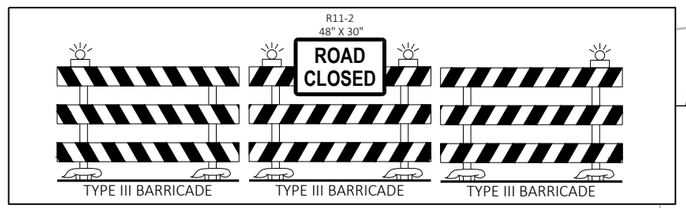
ARROW BOARD

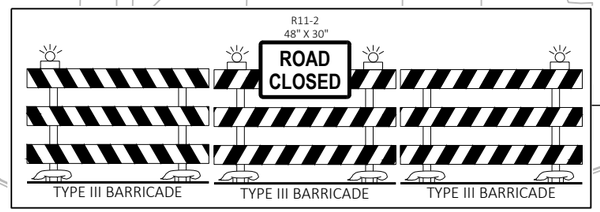
TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

MENARDS DRIVE

LEGEND

- TYPE III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC





VILLAGE PARK DRIVE

MATCH LINE 143+50

PLACE AT MAPLE DRIVE / MENARDS DRIVE INTERSECTION

PLACE AT VILLAGE PARK DR / PARK AVE INTERSECTION

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC CONTROL: STAGE 1	SHEET 123	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\025001_TC\025007_TC.DWG
LAYOUT NAME - 04

PLOT DATE : 10/27/2023 10:18 AM PLOT BY : DEXTER KAETTERHENRY PLOT NAME : PLOT SCALE : 1 IN:100 FT

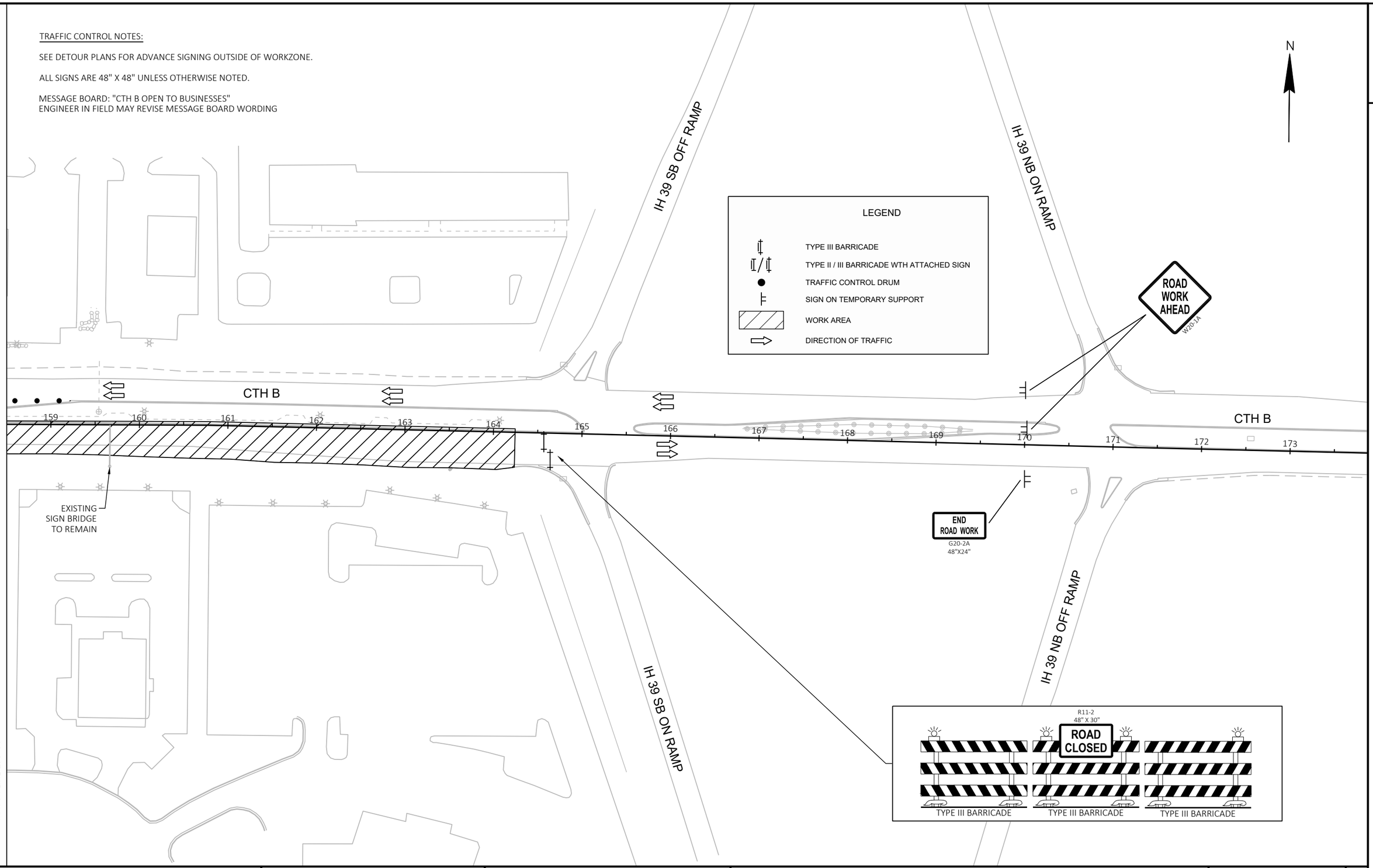
WISDOT/CADDS SHEET 42

TRAFFIC CONTROL NOTES:

SEE DETOUR PLANS FOR ADVANCE SIGNING OUTSIDE OF WORKZONE.

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

MESSAGE BOARD: "CTH B OPEN TO BUSINESSES"
ENGINEER IN FIELD MAY REVISE MESSAGE BOARD WORDING



PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC CONTROL: STAGE 1	SHEET 124	E

2

STAGE 2 - TRAFFIC SIGNAL NOTES:

CTH B/STH 54 & BUS 51/Post Road: Existing signal to remain in operation.

CTH B & Mecca Drive: Maintain existing stop control on Mecca Drive.

CTH B & Hoover Avenue: Maintain existing signals. Bag and disconnect from power any traffic signal indicators for movements that are prohibited including the westbound left-turn and through (Existing signal heads 6, 7, 8, 9, and 10). Make modifications to signal timing as provided by the Engineer.

CTH B & Village Park Drive: Deactivate existing traffic signal. Provide stop control indications on Village Park Drive as shown in traffic control plan.

CTH B & IH 39 SB Ramps: Existing signal to remain in operation. Any signal timing adjustments will be completed by WisDOT.

LEGEND

- TYPE III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC

PLACE AT CEDAR DRIVE INTERSECTION

ROAD WORK AHEAD W20-1A

HOOVER AVE

N

MATCH LINE 143+50

LANE CLOSED R11-2L 48"X30"

JAY MAR ROAD

R3-2 24"X24"

ONE WAY R6-2R 24"X30"

END ROAD WORK G20-2A 48"X24"

129 130 131 132 133 134 135 136 137 138 139 140 141 142 143

CTH B

KEEP SINGLE LANE CLOSURE FROM STAGE 1 UP DURING STAGE 2 FROM WILSON AVENUE TO HOOVER AVENUE

ONE WAY R6-2R 24"X30"

R3-2 24"X24"

ROAD WORK AHEAD W20-1A

IBER LANE

TRAFFIC CONTROL NOTES:

SEE DETOUR PLANS FOR ADVANCE SIGNING OUTSIDE OF WORKZONE.

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

PCMS:ADJUST TRAFFIC CONTROL PCMS MESSAGE AS NEEDED BASED ON CONSTRUCTION SCHEDULE. CONFIRM MESSAGES WITH THE ENGINEER BEFORE IMPLEMENTING. (EXAMPLE MESSAGES PROVIDED, ADJUST MESSAGES TO REFLECT CURRENT SITUATION)

ALL PRIOR TO CONSTRUCTION MESSAGES SHALL BE PLACED 7 DAYS PRIOR TO CLOSURE OR BEGIN OF WORK

TRAFFIC CONTROL PCMS MESSAGES

PCMS SIGN LOCATION	STAGE/WORK OPERATION	PHASE 1 (2 SEC)	PHASE 2 (2 SEC)
STH 54 / WILSON AVE SE QUADRANT	DURING STAGE 2 CONSTRUCTION	CTH B LOCAL	TRAFFIC ONLY
CTH B / CTH R NW QUADRANT	BEFORE STAGE 2 CONSTRUCTION	CTH B CLOSURE	BEGINS MONTH+DAY

TRAFFIC CONTROL STAGE 2 DESCRIPTION:

6767-01-71:
TRAFFIC ON CTH B SHALL BE REDUCED TO ONE LANE IN EACH DIRECTION FOR LOCAL TRAFFIC ONLY BETWEEN WILSON AVENUE AND HOOVER AVENUE (EASTBOUND AND WESTBOUND DETOUR SHALL BE IN PLACE). TRAFFIC SHALL UTILIZE THE OUTSIDE LANES OF CTH B.

6767-02-71:
LOCAL TRAFFIC ON CTH B EASTBOUND CAN REMAIN ON CTH B FROM HOOVER AVENUE TO INTERSTATE 39 INTERCHANGE. ALL WESTBOUND TRAFFIC MUST USE DETOUR.

THE PURPOSE OF THIS STAGE IS TO CONSTRUCT BOTH WESTBOUND TRAVEL LANES, ASPHALT SHOULDER, CONCRETE SIDEWALK, AND WESTBOUND LEFT TURN LANES OF CTH B FROM HOOVER AVENUE TO INTERSTATE 39 INTERCHANGE.

MATCH LINE 128+50

HOOVER AVE

PLACE AT MAPLE DRIVE INTERSECTION

ROAD WORK AHEAD W20-1A

2

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC CONTROL: STAGE 2	SHEET 125	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\025001_TC\025007_TC.DWG
LAYOUT NAME - 03 (2)

PLOT DATE : 10/27/2023 10:18 AM PLOT BY : DEXTER KAETTERHENRY PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

TRAFFIC CONTROL NOTES:

SEE DETOUR PLANS FOR ADVANCE SIGNING OUTSIDE OF WORKZONE.

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

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE TYPE III BARRICADE TYPE III BARRICADE

ARTIST & FARE PLAZA ENTRANCE

VILLAGE PARK DRIVE

N

MATCH LINE 158+50

2

PROVIDE TEMPORARY PEDESTRIAN ACCOMMODATIONS. UTILIZE SDD TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION SDD 15D30-09.

PROVIDE TEMPORARY PEDESTRIAN ACCOMMODATIONS. UTILIZE SDD TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION SDD 15D30-09.

CTH B

144 145 146 147 148 149 150 151 152 153 154 155 156 157 158

ONE WAY
R6-1R
36"X12"
R3-2
24"X24"

EXISTING SIGN BRIDGE TO REMAIN

MENARDS DRIVE

R11-2L
48"X30"
LANE CLOSED
TYPE III BARRICADE

STOP
R1-1
30"X30"

ONE WAY
R6-2R
24"X30"

ONE WAY
R6-1R
36"X12"
R3-2
24"X24"

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE TYPE III BARRICADE TYPE III BARRICADE TYPE III BARRICADE

VILLAGE PARK DRIVE

ROAD WORK AHEAD
W20-1A

ROAD WORK AHEAD
W20-1A

LEGEND

- TYPE III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC

MATCH LINE 143+50

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC CONTROL: STAGE 2	SHEET 126	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\025001_TC\025007_TC.DWG
LAYOUT NAME - 04 (2)

PLOT DATE : 10/27/2023 10:18 AM PLOT BY : DEXTER KAETTERHENRY PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

TRAFFIC CONTROL NOTES:

SEE DETOUR PLANS FOR ADVANCE SIGNING OUTSIDE OF WORKZONE.

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

R11-2L
48"X30"
LANE CLOSED
TYPE III BARRICADE

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE
TYPE III BARRICADE
TYPE III BARRICADE

R3-1
24"X24"

IH 39 SB OFF RAMP

IH 39 NB ON RAMP

N

PLACE AT CTH R/CTH B INTERSECTION
MB

PLACE AT CTH R/CTH B INTERSECTION
ROAD CLOSED
0.6 MILES AHEAD
LOCAL TRAFFIC ONLY
R11-3B
60"X30"

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

ROAD CLOSED 500 FT
W20-3D

ROAD CLOSED 1000 FT
W20-3C

ARROW BOARD

SHIFT TRAFFIC LANE TO UTILIZE LEFT TURN LANE

CONFIGURATION OF TRAFFIC CONTROL MAY BE REVISED BY ENGINEER IN FIELD TO ACCOMMODATE A TEMPORARY TRUCK ROUTE SIGNAGE, WHEN NECESSARY
SEE TRAFFIC CONTROL: STAGE 2 (TEMPORARY TRUCKING ROUTE) DETAIL FOR MORE INFORMATION

159 160 161 162 163 164 165 166 167 168 169 170 171 172 173

CTH B

CTH B

EXISTING SIGN BRIDGE TO REMAIN

DO NOT ENTER
R5-1
30"X30"

LEGEND

- TYPE III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC

IH 39 SB ON RAMP

IH 39 NB OFF RAMP

MATCH LINE 158+50

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC CONTROL: STAGE 2	SHEET 127	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\025001_TC\025007_TC.DWG
LAYOUT NAME - 05 (2)

PLOT DATE : 10/27/2023 10:18 AM PLOT BY : DEXTER KAETTERHENRY PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE
TYPE III BARRICADE
TYPE III BARRICADE

LOCAL TRUCK ROUTE
R14-52
24"X24"

6" MIN BASE AGGREGATE DENSE REQUIRED.
12' MIN WORKING WIDTH REQ'D FOR TRUCK MOVEMENTS.
FLAGGING OPERATION REQUIRED DURING ALLOWABLE HOURS.

REMOVE EXISTING CURB AND GUTTER PRIOR TO OPENING TEMPORARY TRUCK ROUTE

VILLAGE PARK DRIVE

IH 39 (SOUTHBOUND OFF RAMP)

N

1087.20
+00.0, 67.0' LT
1087.50
+00.0, 67.6' LT
1087.50
+00.0, 67.8' LT
1087.60
+00.0, 67.6' LT
1088.00
+00.0, 68.0' LT
1088.10
+00.0, 66.5' LT
1088.30
+00.0, 66.3' LT
1088.60
+00.0, 66.4' LT
1088.50
+00.0, 69.8' LT

16'

CTH B (MAINLINE PAVING)

152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167

CTH B

ADDITION STAGE 2 CONCRETE PAVEMENT LIMITS

MEMBERS ADVANTAGE CREDIT UNION
1760 PLOVER RD

BP / BURGER KING
MOUNT VIEW II LLC
2900 VILLAGE PARK DR

TACO BELL
PAMELA ROBERTSON TRUST
1550 PLOVER RD

SAMOEUN'S HAPPY WOK
1540 PLOVER ROAD LLC
1540 PLOVER RD

AMERICINN
KANAK LLC
1501 AMERICAN DR

AMOCO / DUNKIN' DONUTS
SCF RC FUNDING IV LLC
3001 VILLAGE PARK DR

CULVER'S
CVP LLC
1805 PLOVER RD

DO NOT ENTER
R5-1
30"X30"

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE
TYPE III BARRICADE
TYPE III BARRICADE

VILLAGE PARK DRIVE INTERSECTION MAY BE OPEN FOR CTH B EASTBOUND TRAFFIC ON A GRAVEL SURFACE MINIMUM PRIOR TO CONCRETE PAVING AND AFTER CONCRETE PAVEMENT CURE. TEMPORARY TRUCKING ROUTE IS NOT REQUIRED WHEN VILLAGE PARK DRIVE INTERSECTION IS OPEN.

REMOVE EXISTING CURB AND GUTTER PRIOR TO OPENING TEMPORARY TRUCK ROUTE

IH 39 (SOUTHBOUND ON RAMP)

NOTES:

AT MINIMUM, A TEMPORARY TRUCKING ROUTE IS REQUIRED DURING ALL OPERATIONS IN STAGE 2. ALL TEMPORARY TRUCKING ROUTES WITHIN THE PROJECT LIMITS SHALL BE APPROVED BY THE ENGINEER IN FIELD.

UTILIZE TRUCK ROUTE AS SHOW, PRIOR TO AND DURING CONCRETE PAVEMENT OPERATION. ANY ALTERATIONS SHALL REQUIRE APPROVAL OF ENGINEER. ONCE CONCRETE PAVEMENT HAS CURED, TRANSITION TEMPORARY TRUCKING ROUTE ON CONCRETE PAVEMENT AND/OR OPEN VILLAGE PARK DRIVE INTERSECTION FOR EASTBOUND CTH B TRAFFIC.

COORDINATE ALL TEMPORARY TRUCKING ROUTES WITH ADJACENT BUSINESSES IN ACCORDANCE TO SPECIAL PROVISIONS.

TRAFFIC CONTROL DEPICTED IS FOR TEMPORARY TRUCK ROUTE ONLY. SEE TRAFFIC CONTROL AND DETOUR PLANS FOR MORE INFORMATION.

TEMPORARY TRUCKING ROUTE SHALL HAVE A FULL CLOSURE WITH BARRICADES WHEN FLAGGING IS NOT ALLOWED.

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC CONTROL: STAGE 2 (TEMPORARY TRUCKING ROUTE)	SHEET 128	E

PLACE AT CTH HH INTERSECTION

ROAD CLOSED TO THRU TRAFFIC 3.0 MILES AHEAD
R11-3
60"X30"

ROAD CLOSED AHEAD
W20-3A

PLACE AT CEDAR DRIVE INTERSECTION

PLACE 7 DAYS PRIOR TO CONSTRUCTION AND REMOVE WHEN CONSTRUCTION BEGINS AT HOOVER AVENUE.
PLACE AT CEDAR DRIVE INTERSECTION

CTH B
ROAD WORK
BEGINS XXX-XX
G20-57
96"X48"

HOOVER AVE

SEE TRAFFIC CONTROL: STAGE 3A (WORK AREA) SHEET FOR MORE INFORMATION

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE
TYPE III BARRICADE
TYPE III BARRICADE

TYPE III BARRICADE
TYPE III BARRICADE
TYPE III BARRICADE

POST
MP
STA 142+75
STA 138+53
128 CHIS 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158

SEE TRAFFIC CONTROL: STAGE 3A (WORK AREA) SHEET FOR MORE INFORMATION

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE
TYPE III BARRICADE
TYPE III BARRICADE

TYPE III BARRICADE
TYPE III BARRICADE
TYPE III BARRICADE

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE
TYPE III BARRICADE
TYPE III BARRICADE

TRAFFIC CONTROL PCMS MESSAGES

PCMS SIGN LOCATION	STAGE/WORK OPERATION	PHASE 1 (2 SEC)	PHASE 2 (2 SEC)
STH 54 / WILSON AVE SE QUADRANT	DURING STAGE 3A	CTH B OPEN TO IBER LN	LOCAL TRAFFIC ONLY
CTH B / CTH R NW QUADRANT	DURING STAGE 3A CONSTRUCTION	CTH B OPEN	TO VILLAGE PARK

LEGEND

WORK AREA (CONCRETE)

WORK AREA (ASPHALT)

TRAFFIC CONTROL NOTES:

SEE TRAFFIC CONTROL: STAGE 3 / TRAFFIC CONTROL: STAGE 3A (WORK AREA) SHEETS FOR MORE INFORMATION

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

PCMS: ADJUST TRAFFIC CONTROL PCMS MESSAGE AS NEEDED BASED ON CONSTRUCTION SCHEDULE. CONFIRM MESSAGES WITH THE ENGINEER BEFORE IMPLEMENTING. (EXAMPLE MESSAGES PROVIDED, ADJUST MESSAGES TO REFLECT CURRENT SITUATION)

CTH B
ROAD WORK
BEGINS XXX-XX
G20-57
96"X48"

PLACE 7 DAYS PRIOR TO CONSTRUCTION AND REMOVE WHEN CONSTRUCTION BEGINS AT HOOVER AVENUE.
PLACE AT MAPLE DRIVE INTERSECTION

ROAD CLOSED 1000 FT
W20-3C

PLACE AT MAPLE DRIVE INTERSECTION

ROAD CLOSED TO THRU TRAFFIC 1.1 MILES AHEAD
R11-3
60"X30"

PLACE AT STH 54 INTERSECTION

STAGE 3A - TRAFFIC SIGNAL NOTES:

CTH B & Hoover Avenue: Existing signals shall be inactive.

Coordinate all signal work to occur during Stage 3A.

N

PROJECT NO: 6767-01-71/6767-02-71	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC CONTROL:STAGE 3A (OVERVIEW)	SHEET 129	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\025001_TC\025008_TC.DWG
LAYOUT NAME - 1
PLOT DATE : 10/30/2023 8:59 AM PLOT BY : DEXTER KAETTERHENRY PLOT NAME : PLOT SCALE : 1 IN:200 FT

2

RBER ROSE
TIFIED PUBLIC
COUNTANTS
EAL ESTATE LLC
JAY-MAR RD

COCA-COLA
LONE OAK - WISCONSIN
LLC
2010 JAY-MAR RD

WOOD COUNTY NATIONAL BANK
1900 PLOVER RD

N

POST

R11-2
48" X 30"
ROAD CLOSED

TYPE III BARRICADE
TYPE III BARRICADE
TYPE III BARRICADE

R9-11AR
24"X12"

HOOVER AVE

INSTALL PERMANENT PAVEMENT MARKING
STOP BARS, WORDS, SYMBOLS IN STAGE 3A

POST

MP

STA 142+75

CTH B
(WESTBOUND)

CTH B (WESTBOUND)

TURN LANE REMAINS

TURN LANE REMAINS

138
139
140
141
142
143
144

STA 138+53

CTH B
(EASTBOUND)

CTH B (EASTBOUND)

INSTALL PROPOSED STORM SEWER CONNECTION TO
MH 10 IN STAGE 3A. PROPOSED ROADWAY WORK
BEFORE STA 138+53 CAN OCCUR IN STAGE 3.

R9-11AL
24"X12"

HOOVER AVE

POST

R9-11AL
24"X12"

TEMPORARY PEDESTRIAN
SURFACE, TYP

PEDESTRIAN BARRICADE, TYP

TEMPORARY CURB RAMP PERPENDICULAR TO CURB, TYP

LEGEND

HIGH EARLY STRENGTH (HES)
CONCRETE [WORK AREA]

ASPHALT SURFACE
[WORK AREA]

TRAFFIC CONTROL NOTES:

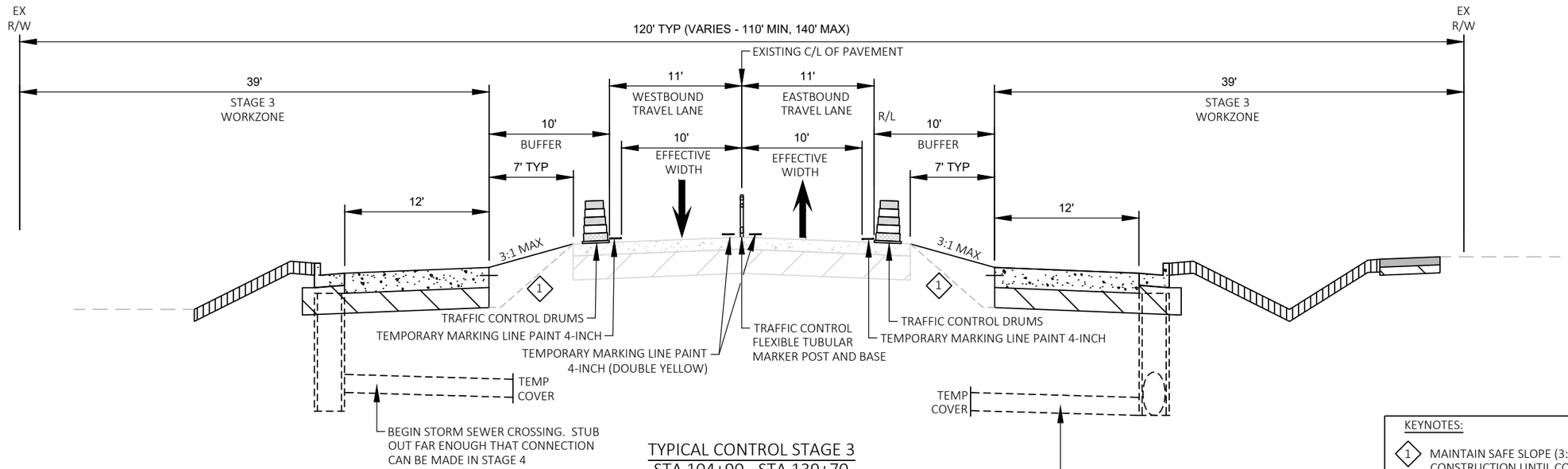
SEE TRAFFIC CONTROL: STAGE 3 / TRAFFIC CONTROL: STAGE 3A
(OVERVIEW) SHEETS FOR MORE INFORMATION

COORDINATE ALL SIGNAL WORK TO OCCUR DURING STAGE 3A

R11-2
48" X 30"
ROAD CLOSED

TYPE III BARRICADE
TYPE III BARRICADE
TYPE III BARRICADE

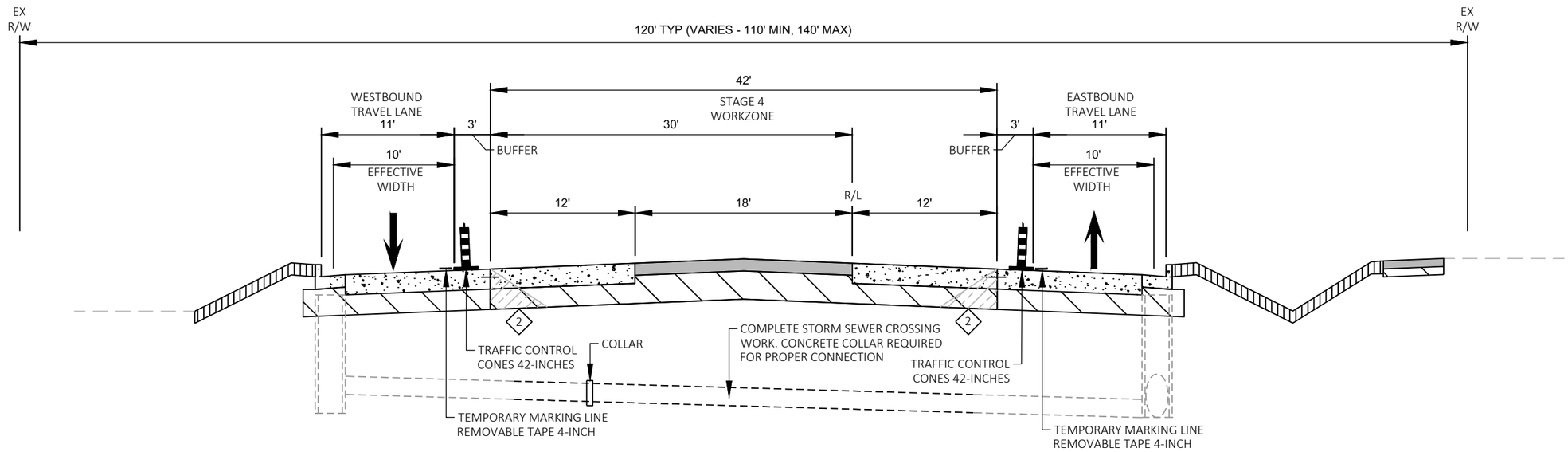
PROJECT NO: 6767-01-71/6767-02-71	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC CONTROL:STAGE 3A (WORK AREA)	SHEET 130	E



TYPICAL CONTROL STAGE 3
STA 104+90 - STA 139+70
WISCONSIN AVENUE TO HOOVER AVENUE
RECONSTRUCTION AREA

KEYNOTES:

1. MAINTAIN SAFE SLOPE (3:1) DURING CONSTRUCTION UNTIL CONCRETE PAVEMENT IS INSTALLED. GRADE A 1' MINIMUM SUBGRADE EXTENSION TO ALLOW FOR PAVING EQUIPMENT.



TYPICAL CONTROL STAGE 4
STA 104+90 - STA 139+70
WISCONSIN AVENUE TO HOOVER AVENUE
RECONSTRUCTION AREA

KEYNOTES:

2. MAINTAIN SAFE SLOPE (3:1) DURING CONSTRUCTION UNTIL CONCRETE PAVEMENT IS INSTALLED.

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC CONTROL - TYPICAL SECTIONS (STAGE 3 & 4)	SHEET 131	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\025001_TC\025001_TC.DWG
LAYOUT NAME - 06-10ft
PLOT DATE : 10/27/2023 10:28 AM PLOT BY : DEXTER KAETTERHENRY PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- TRAFFIC CONTROL 42-INCH CONE
- WORK AREA (SPECIAL)
- WORK AREA
- TEMPORARY ASPHALT
- DIRECTION OF TRAFFIC

STAGE 3 - TRAFFIC SIGNAL NOTES:

CTH B/STH 54 & BUS 51/Post Road: Existing signal to remain in operation. Any signal timing adjustments will be completed by WisDOT.

CTH B & Mecca Drive: Mecca Drive will be closed to traffic. No connection to CTH B during this stage.

CTH B & Hoover Avenue: Maintain permanent signals. Implement signal timings as shown. Revisions to be approved by engineer

CTH B & Village Park Drive: Activate the permanent signals. Implement signal timings as shown. Revisions to be approved by engineer.

CTH B & IH 39 SB Ramps: Existing signal to remain in operation.

TRAFFIC CONTROL STAGE 3 DESCRIPTION:

LOCAL TRAFFIC ON CTH B SHALL BE REDUCED TO ONE LANE IN EACH DIRECTION BETWEEN WILSON AVENUE AND VILLAGE PARK DRIVE. (EASTBOUND AND WESTBOUND DETOUR SHALL BE IN PLACE) LOCAL TRAFFIC SHALL UTILIZE THE EXISTING INSIDE LANES AND/OR EXISTING TWLTL OF CTH B. THE PURPOSE OF THIS STAGE IS TO CONSTRUCT THE OUTSIDE LANES, INTERSECTION, STORM WATER MANAGEMENT AREA, STORM SEWER, LIGHTING, SIGNALS TO BE INSTALLED AND/OR STUBBED OUT TO SUPPORT STAGE 4 OF CTH B FROM WISCONSIN AVENUE TO HOOVER AVENUE.

N

WILSON AVE

STH 54 / PLOVER ROAD (WB)

STH 54 / PLOVER ROAD (EB)

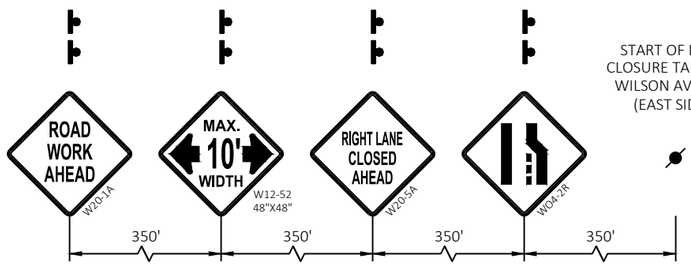
10' TRAVEL LANE MIN

MB

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

MARKING LINE REMOVAL 4-INCH

ADVANCED WARNING SIGNING DETAIL



START OF LANE CLOSURE TAPER AT WILSON AVENUE (EAST SIDE)

WILSON AVE

TRAFFIC CONTROL STAGE 3 NOTES:

LAYOUTS ARE DRAWN FOR VISUAL REPRESENTATION. UTILIZE WISDOT STANDARD DETAIL DRAWINGS:

- TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE
- TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
- TRAFFIC CONTROL, FULL LANE SHIFT NON-FREEWAY/EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER
- BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
- TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC
- TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION

PCMS:ADJUST TRAFFIC CONTROL PCMS MESSAGE AS NEEDED BASED ON CONSTRUCTION SCHEDULE. CONFIRM MESSAGES WITH THE ENGINEER BEFORE IMPLEMENTING. (EXAMPLE MESSAGES PROVIDED, ADJUST MESSAGES TO REFLECT CURRENT SITUATION)

TRAFFIC CONTROL PCMS MESSAGES

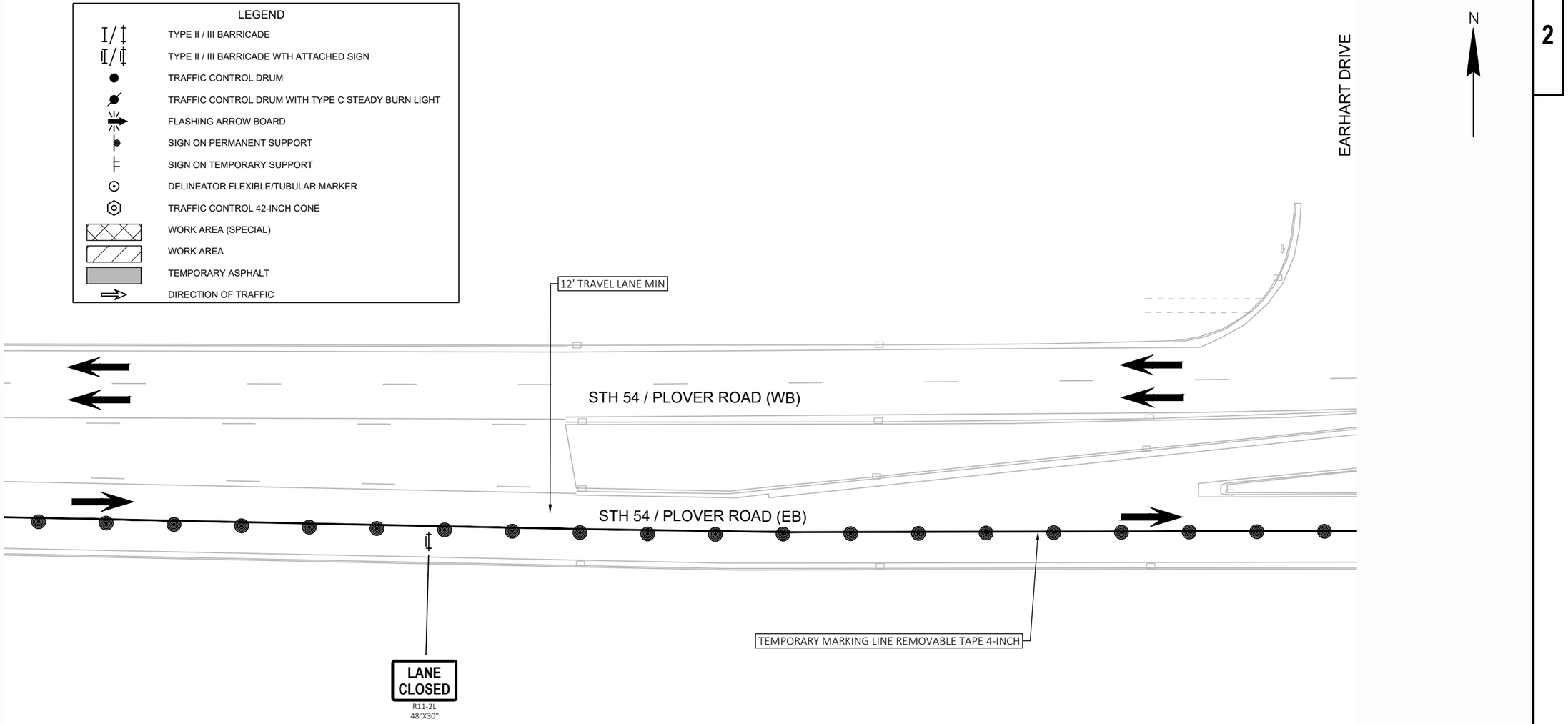
PCMS SIGN LOCATION	STAGE/WORK OPERATION	PHASE 1 (2 SEC)	PHASE 2 (2 SEC)
STH 54 / WILSON AVE SE QUADRANT	DURING STAGE 3 CONSTRUCTION	CTH B OPEN TO BUSINESS	LOCAL TRAFFIC ONLY
CTH B / CTH R NW QUADRANT	DURING STAGE 3 CONSTRUCTION	CTH B OPEN TO BUSINESS	LOCAL TRAFFIC ONLY

2

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- TRAFFIC CONTROL 42-INCH CONE
- WORK AREA (SPECIAL)
- WORK AREA
- TEMPORARY ASPHALT
- DIRECTION OF TRAFFIC



PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC CONTROL: STAGE 3	SHEET 133	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\025001_TC\TEST_025004_TC.DWG
LAYOUT NAME - 02

PLOT DATE : 10/27/2023 10:37 AM PLOT BY : DEXTER KAETTERHENRY PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- TRAFFIC CONTROL 42-INCH CONE
- WORK AREA (SPECIAL)
- WORK AREA
- TEMPORARY ASPHALT
- DIRECTION OF TRAFFIC

EARHART AVENUE

BUSINESS 51 / POST ROAD (SB)

BUSINESS 51 / POST ROAD (NB)

N

MOTO-MART
MOTO INC
2930 POST RD

10' TRAVEL LANE MIN

CTH B / PLOVER ROAD (WB)

STH 54 / PLOVER ROAD (WB)

BP: 100+00.00

12' TRAVEL LANE MIN

ROAD CLOSED TO THRU TRAFFIC
R11-4
60"X30"

101

102

103

+18.29
9.4' RT

+52.51
6.3' RT

CTH B / PLOVER ROAD (EB)

STH 54 / PLOVER ROAD (EB)

DETOUR
M4-9R
30"X24"

WO1-6
48"X24"

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

MARKING REMOVAL LINE 4-INCH

ROAD CLOSED
R11-2
48"X30"

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

PLOVER EXPRESS
MART
2621 PLOVER RD

ACCESS TO WISCONSIN AVENUE FOR CTH B
EASTBOUND TRAFFIC TO REMAIN OPEN
(RESTRICT ACCESS FOR CTH B WESTBOUND TRAFFIC)

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH

ROAD CLOSED TO THRU TRAFFIC
R11-4
60"X30"

MCDONALDS
2601 PLOVER RD

STH 54 (EB)

STH 54 (WB)

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC CONTROL: STAGE 3	SHEET 134	E

2

TRAFFIC CONTROL NOTES:

PLACE W20-1A SIGNS 350' FROM SIDE STREET INTERSECTIONS.

SEE CROSS SECTIONS FOR LAYOUT OF CENTERLINE.

ROAD WORK AHEAD W20-1A

ROAD WORK AHEAD W20-1A

ROAD CLOSED R11-2 48"X30"

WISCONSIN AVENUE

MADISON AVENUE

ACCESS TO CTH B WESTBOUND TO REMAIN OPEN (RESTRICT ACCESS TO CTH B EASTBOUND TRAFFIC)

R3-2 24"X24"

LITTLE WOLF EXPRESS LUBE
EGS PROPERTIES LLC
2900 WISCONSIN AVE

PLOVER MOTOR SPORTS
BENJAMIN SOLEM
2540 PLOVER RD

TIGHTEN TRAFFIC CONTROL DRUMS SPACING THROUGH INTERSECTION

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)

TEMPORARY MARKING LINE PAINT 4-INCH

R3-2 24"X24"

CLOSE ENTRANCE DURING STAGE 3 ACCESS FROM MADISON AVENUE

STOP R1-1 30"X30"

ONE WAY R6-2R 24"X30"

MARKING REMOVAL LINE 4-INCH

CTH B

105 106 107 108 109

10' 11' 11' 10'

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- TRAFFIC CONTROL 42-INCH CONE
- WORK AREA (SPECIAL)
- WORK AREA
- TEMPORARY ASPHALT
- DIRECTION OF TRAFFIC

N

2

ONE WAY R6-2R 24"X30"

STOP R1-1 30"X30"

LANE CLOSED R11-2L 48"X30"

CLOSE ENTRANCE DURING STAGE 3 ACCESS FROM WISCONSIN AVENUE

TEMPORARY MARKING LINE PAINT 4-INCH

CLOSE ENTRANCE DURING STAGE 3 ACCESS FROM MADISON AVENUE

A

R3-2 24"X24"

STOP R1-1 30"X30"

LANE CLOSED R11-2L 48"X30"

CLOSE ENTRANCE DURING STAGE 3 ACCESS FROM MADISON AVENUE

SUBWAY
2551 PLOVER RD

PAVING OPERATION MAY NEED TO BE ALTERED TO A HAND POUR DUE TO BUFFER WIDTH RESTRICTIONS. UTILIZE HIGH EARLY STRENGTH (HES) CONCRETE WHEN BUFFER WIDTH IS RESTRICTED TO 4' OR LESS

WADS ENTERPRISE
2545 PLOVER RD

ACCESS TO MADISON AVENUE FOR CTH B EASTBOUND TRAFFIC TO REMAIN OPEN AT ALL TIMES, EXCEPT WHEN WORK IS OCCURRING AT INTERSECTION. WHEN WORK IS OCCURRING AT MADISON AVENUE INTERSECTION, WASHINGTON AVENUE INTERSECTION SHALL BE OPEN FOR CTH B EASTBOUND TRAFFIC.
(RESTRICT ACCESS FOR CTH B WESTBOUND TRAFFIC)

WISCONSIN AVENUE

MADISON AVENUE

R3-2 24"X24"

ACCESS TO CTH B EASTBOUND TO REMAIN OPEN (RESTRICT ACCESS TO CTH B WESTBOUND TRAFFIC)

ROAD WORK AHEAD W20-1A

ROAD WORK AHEAD W20-1A

TRAFFIC CONTROL KEYNOTES:

A — UTILIZE BASE AGGREGATE DENSE MATERIAL TO MAINTAIN DESIRABLE SLOPE WHEN OPEN PRIOR TO PAVING OPERATION.

KWIK TRIP
2511 PLOVER RD

FOR INTERSECTION CLOSURE

ROAD CLOSED R11-2 48"X30"

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC CONTROL: STAGE 3	SHEET 135 E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\025001_TC\TEST_025004_TC.DWG
LAYOUT NAME - 04
PLOT DATE : 10/27/2023 10:37 AM PLOT BY : DEXTER KAETTERHENRY PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

N

TRAFFIC CONTROL NOTES:

PLACE W20-1A/W20-3A SIGNS 350' FROM SIDE STREET INTERSECTIONS.

SEE CROSS SECTIONS FOR LAYOUT OF CENTERLINE

ROAD CLOSED AHEAD W20-3A

ROAD WORK AHEAD W20-1A

WASHINGTON AVENUE

ROAD CLOSED R11-2 48"X30"

STOP R1-1 30"X30"

R3-2 24"X24"

LANE CLOSED R11-2L 48"X30"

FREUND ENTERPRISES 2911 WASHINGTON AVE

RONALD WALTERS 2470 PLOVER RD

OKRAY INSURANCE 2460 PLOVER RD

HEARTLAND CUSTOM HOMES
ROBERT & ARLENE EVENSON
BRENDA & BRICE NELSON
2450 PLOVER RD

SOUTH DRIVE

TIGHTEN TRAFFIC CONTROL DRUMS SPACING THROUGH INTERSECTION

ACCESS FROM SOUTH DRIVE. ENTRANCE CAN BE CLOSED DURING PAVING OPERATION

TEMPORARY MARKING LINE PAINT 4-INCH

MARKING REMOVAL LINE 4-INCH

10'
11'
11'
10'

CTH B

110 111 112 113 114

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)

ACCESS FROM WISCONSIN AVENUE

ACCESS TO ENTRANCE FOR CTH B EB TRAFFIC SHALL REMAIN OPEN, EXCEPT WHEN WORK IS OCCURRING AT ENTRANCE. CONSTRUCT IN HALVES TO MAINTAIN ENTRANCE.

WHEN MADISON AVENUE INTERSECTION IS CLOSED, WASHINGTON AVENUE INTERSECTION SHALL REMAIN OPEN FOR CTH B EASTBOUND TRAFFIC. (RESTRICT ACCESS FOR CTH B WESTBOUND TRAFFIC)

A

HOME TEAM DECOR 2461 PLOVER RD

DISHER PROPERTIES 2451 PLOVER RD

KWIK TRIP
1 PLOVER RD

WASHINGTON AVENUE

TRAFFIC CONTROL KEYNOTES:

A — UTILIZE BASE AGGREGATE DENSE MATERIAL TO MAINTAIN DESIRABLE SLOPE WHEN OPEN PRIOR TO PAVING OPERATION.

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- TRAFFIC CONTROL 42-INCH CONE
- WORK AREA (SPECIAL)
- WORK AREA
- TEMPORARY ASPHALT
- DIRECTION OF TRAFFIC

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC CONTROL: STAGE 3	SHEET 136	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\025001_TC\TEST_025004_TC.DWG
LAYOUT NAME - 05

PLOT DATE : 10/27/2023 10:37 AM PLOT BY : DEXTER KAETTERHENRY PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

TRAFFIC CONTROL NOTES:

SEE CROSS SECTIONS FOR LAYOUT OF CENTERLINE.

N

LEE HELM
2440 PLOVER RD

SHULFERS
SHULF PROPERTIES
LLC
2430 CIRCLE CT

ACCESS TO ENTRANCE FOR CTH B WB TRAFFIC SHALL REMAIN OPEN, EXCEPT WHEN WORK IS OCCURRING AT ENTRANCE. CONSTRUCT IN HALVES TO MAINTAIN ENTRANCE.

ACCESS TO SHULFERS MUST BE MADE PRIOR TO CIRCLE COURT CLOSURE

CIRCLE COURT

LANE CLOSED
R11-2L
48"X30"

BUFFER WIDTH MUST REMAIN AT 10' MINIMUM

TEMPORARY MARKING LINE PAINT 4-INCH

MARKING REMOVAL LINE 4-INCH

PI: 114+98.36

CTH B

11'

11'

115 116 117 118 119

TEMPORARY MARKING LINE PAINT 4-INCH

LANE CLOSED
R11-2L
48"X30"

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)

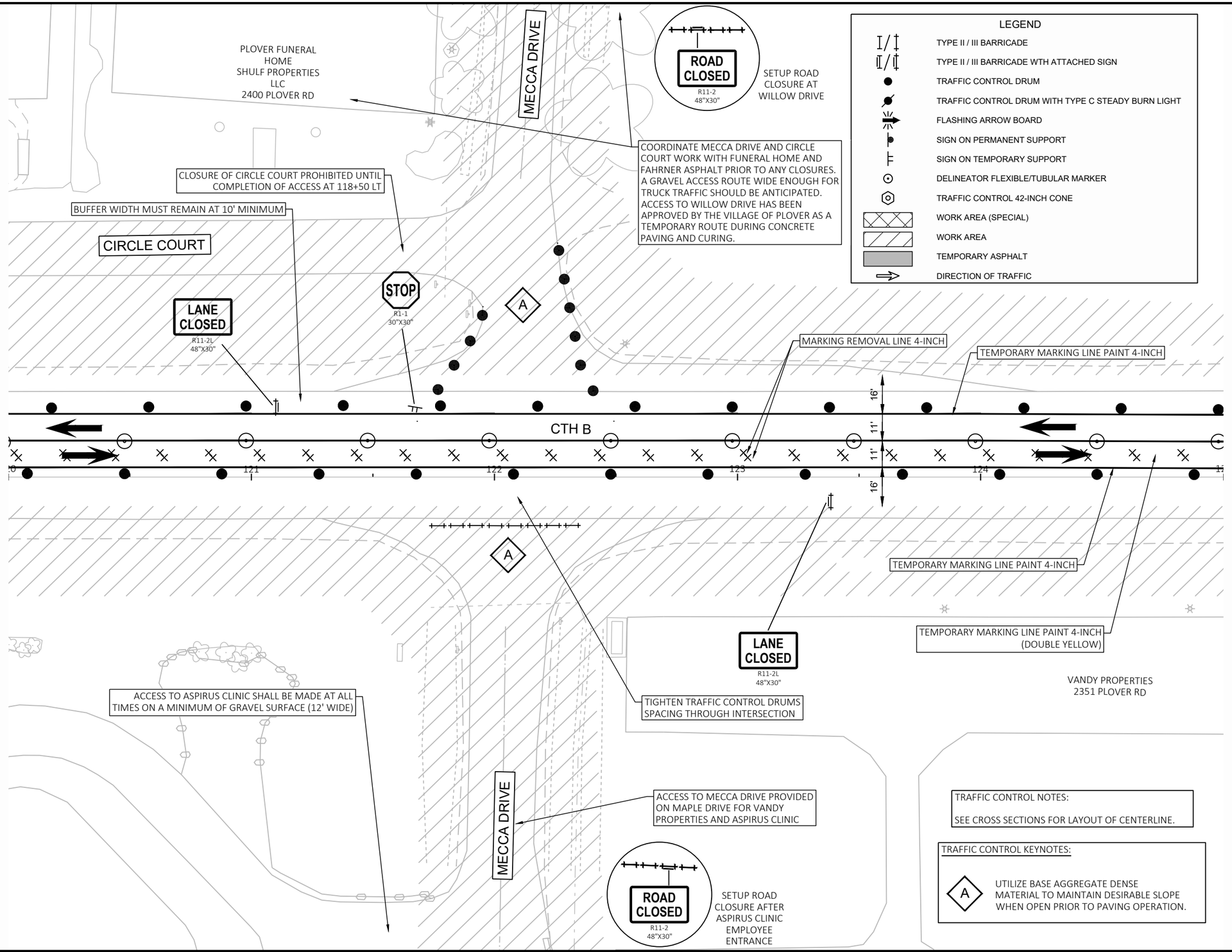
ST MICHAEL'S HOSPITAL
2401 PLOVER RD

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- TRAFFIC CONTROL 42-INCH CONE
- WORK AREA (SPECIAL)
- WORK AREA
- TEMPORARY ASPHALT
- DIRECTION OF TRAFFIC

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC CONTROL: STAGE 3	SHEET 137	E

2



PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC CONTROL: STAGE 3	SHEET 138	E

2

WISCONSIN BUILDING SUI
WOLOHAN REALTY LL
2200 PLOVER RD

N

JAY MAR ROAD

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- TRAFFIC CONTROL 42-INCH CONE
- WORK AREA (SPECIAL)
- WORK AREA
- TEMPORARY ASPHALT
- DIRECTION OF TRAFFIC

ACCESS TO JAY MAR ROAD MUST BE MAINTAINED AT ALL TIMES. CONSTRUCT DRIVEWAY ENTRANCE IN HALVES OR PROVIDE TEMPORARY ACCESS ON GRAVEL SURFACE WITH SUFFICIENT WIDTH FOR LARGE TRUCK MOVEMENTS. (SEE DETAILS FOR MORE INFORMATION)

R3-2
24"X24"

BUFFER WIDTH MUST REMAIN AT 9' MINIMUM (MAXIMUM BUFFER WIDTH SHOWN IN PLANS)

LANE CLOSED
R11-2L
48"X30"

STOP
R1-1
30"X30"

MARKING REMOVAL LINE 4-INCH

TEMPORARY MARKING LINE PAINT 4-INCH

CTH B

126 127 128 129 130

11' 11'

A

TEMPORARY MARKING LINE PAINT 4-INCH

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)

ACCESS TO ENTRANCE FOR CTH B EASTBOUND TRAFFIC SHALL REMAIN OPEN UNTIL PAVING OPERATION. ENTRANCE CAN BE CLOSED DURING PAVING OPERATION WITH ACCESS TO IBER LANE.

R3-2
24"X24"

STOP
R1-1
30"X30"

ACCESS TO ENTRANCE FOR CTH B EASTBOUND TRAFFIC SHALL REMAIN OPEN UNTIL PAVING OPERATION. ENTRANCE CAN BE CLOSED DURING PAVING OPERATION WITH ACCESS TO IBER LANE.

R3-2
24"X24"

STOP
R1-1
30"X30"

TRAFFIC CONTROL NOTES:

SEE CROSS SECTIONS FOR LAYOUT OF CENTERLINE.

TRAFFIC CONTROL KEYNOTES:

A — UTILIZE BASE AGGREGATE DENSE MATERIAL TO MAINTAIN DESIRABLE SLOPE WHEN OPEN PRIOR TO PAVING OPERATION.

NRG MEDIA
2301 PLOVER RD

BRUNS & SONS AUTO LLC
2251 PLOVER RD

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC CONTROL: STAGE 3	SHEET 139	E

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- TRAFFIC CONTROL 42-INCH CONE
- WORK AREA (SPECIAL)
- WORK AREA
- TEMPORARY ASPHALT
- DIRECTION OF TRAFFIC

JAY-MAR
JAY-MAR PROPERTIES
LLC
2130 JAY-MAR RD

STAGGER CONSTRUCTION AND REMOVAL OF JAY MAR ROAD ENTRANCES SO ACCESS IS ALWAYS PROVIDED FOR TRUCKING OPERATIONS.

N

JAY MAR ROAD

LANE CLOSED
R11-2L
48"X30"

MARKING REMOVAL LINE 4-INCH

TEMPORARY MARKING LINE PAINT 4-INCH

R3-2
24"X24"

PI: 132+58.33

10'
11'
11'

CTH B

131 132 133 134 135

A

TEMPORARY MARKING LINE PAINT 4-INCH

TEMPORARY MARKING LINE PAINT 4-INCH
(DOUBLE YELLOW)

ACCESS TO IBER LANE FOR CTH B EASTBOUND TRAFFIC SHALL REMAIN OPEN AT ALL TIME. A TEMPORARY GRAVEL ACCESS SURFACE WILL BE REQUIRED WHEN WORK IS OCCURRING AT IBER LANE INTERSECTION. INTERSECTION TO BE BUILT IN HALVES. (RESTRICT ACCESS FOR CTH B WESTBOUND TRAFFIC)

STOP
R1-1
30"X30"

R3-2
24"X24"

IBER LANE

UNITED WASH LLC
2201 PLOVER RD

NAPA
LNS PROPERTIES LLC
2131 PLOVER RD

TRAFFIC CONTROL NOTES:

SEE CROSS SECTIONS FOR LAYOUT OF CENTERLINE.

TRAFFIC CONTROL KEYNOTES:

A — UTILIZE BASE AGGREGATE DENSE MATERIAL TO MAINTAIN DESIRABLE SLOPE WHEN OPEN PRIOR TO PAVING OPERATION.

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC CONTROL: STAGE 3	SHEET 140	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\025001_TC\TEST_025004_TC.DWG
LAYOUT NAME - 09

PLOT DATE : 10/27/2023 10:37 AM PLOT BY : DEXTER KAETTERHENRY PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

OAKVIEW VETERINARY
J & H REAL ESTATE
PARTNERSHIP
2110 JAY-MAR RD

KERBER ROSE
CERTIFIED PUBLIC
ACCOUNTANTS
KRA REAL ESTATE LLC
2040 JAY-MAR RD

COCA-COLA
LONE OAK - WISCONSIN
LLC
2010 JAY-MAR RD

N

STAGGER CONSTRUCTION AND REMOVAL OF JAY MAR ROAD ENTRANCES SO ACCESS IS ALWAYS PROVIDED FOR TRUCKING OPERATIONS.

JAY MAR ROAD

ROAD CLOSED
R11-2
48"X30"

R3-2
24"X24"

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH

10' TRAVEL LANES MIN IN EACH DIRECTION

MARKING REMOVAL LINE 4-INCH

TEMPORARY MARKING LINE PAINT 4-INCH

WO1-6
48"X24"

MARKING REMOVAL LINE 4-INCH

PI: 137+45.34

CTH B

11'
11'
11'
10'

136
137
138

YIELD
R1-2
36"X31"

BEGIN LEFT TURN LANE
R3-20L
24"X36"

WØ1-6
48"X24"

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

PAVING OPERATION MAY NEED TO BE ALTERED TO A HAND POUR DUE TO BUFFER WIDTH RESTRICTIONS. UTILIZE HIGH EARLY STRENGTH (HES) CONCRETE WHEN BUFFER WIDTH IS RESTRICTED TO 4' OR LESS

ACCESS TO ENTRANCE FOR CTH B EASTBOUND TRAFFIC SHALL REMAIN OPEN, EXCEPT WHEN WORK IS OCCURRING AT ENTRANCE.

STOP
R1-1
30"X30"

R3-2
24"X24"

TEMPORARY MARKING LINE PAINT 4-INCH

WISCONSIN PUBLIC SERVICE CORP
2001 PLOVER RD

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- TRAFFIC CONTROL 42-INCH CONE
- WORK AREA (SPECIAL)
- WORK AREA
- TEMPORARY ASPHALT
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL NOTES:

SEE CROSS SECTIONS FOR LAYOUT OF CENTERLINE.

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC CONTROL: STAGE 3	SHEET 141	E

2

N

WOOD COUNTY NATIONAL BANK
1900 PLOVER RD

LANE CLOSED
R11-2L
48"X30"

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

PI: 141+18.83

PI: 144+84.08

12'

140 141 142 143 144

CTH B

HOOVER AVENUE

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- TRAFFIC CONTROL 42-INCH CONE
- WORK AREA (SPECIAL)
- WORK AREA
- TEMPORARY ASPHALT
- DIRECTION OF TRAFFIC

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC CONTROL: STAGE 3	SHEET 142	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\025001_TC\TEST_025004_TC.DWG
LAYOUT NAME - 11

PLOT DATE : 10/27/2023 10:37 AM PLOT BY : DEXTER KAETTERHENRY PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

ROAD CLOSED
R11-2
48"X30"

VERIZON
1830 PLOVER LLC
1830 PLOVER RD

MAN-JAC INVESTMENT
LLC
1810 PLOVER RD

BEGIN RIGHT TURN LANE
R3-20RR
24"X36"

12' TRAVEL LANE

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

LANE CLOSED
R11-2L
48"X30"

PI: 144+10.30

146

147

148

149

CTH B

LANE CLOSED
R11-2L
48"X30"

MENARDS DRIVE

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- TRAFFIC CONTROL 42-INCH CONE
- WORK AREA (SPECIAL)
- WORK AREA
- TEMPORARY ASPHALT
- DIRECTION OF TRAFFIC

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC CONTROL: STAGE 3	SHEET 143	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\025001_TC\TEST_025004_TC.DWG
LAYOUT NAME - 12

PLOT DATE : 10/27/2023 10:37 AM PLOT BY : DEXTER KAETTERHENRY PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

ADVANCED WARNING SIGNING DETAIL

START OF LANE CLOSURE TAPER STA 153+50

W04-2L

LEFT LANE CLOSED AHEAD
W20-5A

MAX. 10' WIDTH
W12-52
48"X48"

ROAD WORK AHEAD
W20-1A

500' 500' 500' 500'

MEMBERS ADVANTAGE CREDIT UNION
1760 PLOVER RD

VILLAGE PARK DRIVE

N

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

PI: 155+11.41

150 151 152 153 154 155

CTH B

END ROAD WORK
G20-2A
48"X24"

ARBY'S

CULVER'S
CVP LLC
1805 PLOVER RD

VILLAGE PARK DRIVE

IH 39 NB ON-RAMP

PI: 171+28.68

PI: 176+70.15

PI: 181+68.41

ROAD CLOSED
0.5 MILES AHEAD
LOCAL TRAFFIC ONLY
R11-3B
60"X30"

EP: 192+59.78

MB

169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192

CTH B

IH 39 NB OFF-RAMP

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- TRAFFIC CONTROL 42-INCH CONE
- WORK AREA (SPECIAL)
- WORK AREA
- TEMPORARY ASPHALT
- DIRECTION OF TRAFFIC

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC CONTROL: STAGE 3	SHEET 144	E

2

JAY-MAR INTERSECTION
PHASE 1 CONSTRUCTION

129+73.0, 85.3' LT
1080.23 (TOP OF CONCRETE / TEMP GRAVEL)

129+90.1, 85.3' LT
1080.04 (MATCH EXISTING)

130+07.0, 81.9' LT
1080.22 (MATCH EXISTING)

130+07.0, 65.7' LT
1080.75 (TOP OF TEMP GRAVEL)

JAY-MAR ROAD

WISCONSIN BUILDING SUPPLIES
WOLOHAN REALTY LLC
2200 PLOVER RD

JAY-MAR PROPERTIES LLC
2130 JAY-MAR RD

N

JAY-MAR INTERSECTION
PHASE 1 CONSTRUCTION
(FULL BUILD)

129+71.3, 30.6' LT
1081.82
(TOP OF CONCRETE /
TEMP GRAVEL)

130+37.0, 30.4' LT
1082.15 (TOP OF CONCRETE / TEMP GRAVEL)

CTH B (MAINLINE PAVING)

129+54.2, 20.7' LT
1082.56
(TOP OF TEMP GRAVEL)

130+00.7, 20.7' LT
1082.61 (TOP OF TEMP GRAVEL)

130+33.8, 25.7' LT
1082.40 (TOP OF TEMP GRAVEL)

132+50.0, 3.1' RT
1083.02

132+96.7, 4.1' RT
1083.11

133+36.9, 4.0' RT
1083.16

129 130 131 132 133 134

CTH B (MAINLINE PAVING)

132+72.1, 12.0' RT
1082.11 (TOP OF CONCRETE / TEMP GRAVEL)

133+37.0, 12.0' RT
1081.82 (TOP OF CONCRETE)

CTH B (MAINLINE PAVING)

133+57.9, 50.7' RT
RADIUS = 50'

133+08.1, 38.6' RT
1081.00 (TOP OF TEMP GRAVEL)

133+04.4, 60.0' RT
1080.50 (TOP OF TEMP GRAVEL)

IBER LANE INTERSECTION
PHASE 1 CONSTRUCTION

132+71.1, 70.6' RT
1081.83 (TOP OF CONCRETE / TEMP GRAVEL)

IBER LANE INTERSECTION
PHASE 1 TEMP GRAVEL

132+87.0, 71.1' RT
1081.58 (TOP OF TEMP GRAVEL)

132+87.3, 114.1' RT
MATCH EXISTING

UNITED WASH LLC
2201 PLOVER RD

NAPA
LNS PROPERTIES LLC
2131 PLOVER RD

NOTES:

JAY-MAR ROAD (PHASE 1):
TRAFFIC - TRUCK AND LOCAL TRAFFIC TO UTILIZE TEMPORARY GRAVEL INTERSECTION AT JAY-MAR ROAD (WEST) INTERSECTION AND EXISTING JAY-MAR ROAD (EAST) INTERSECTION.

CONSTRUCTION - BUILD WEST HALF OF JAY-MAR ROAD (WEST) INTERSECTION AND ENTIRE JAY-MAR ROAD (EAST) INTERSECTION.

JAY-MAR ROAD (PHASE 2):
TRAFFIC - TRUCK AND LOCAL TRAFFIC TO UTILIZE FINISHED CONCRETE INTERSECTION AT JAY-MAR ROAD (WEST) INTERSECTION AND JAY-MAR ROAD (EAST) INTERSECTION.

CONSTRUCTION - BUILD EAST HALF OF JAY-MAR ROAD (WEST) INTERSECTION AND REMOVE EXISTING JAY-MAR ROAD (EAST) INTERSECTION.

IBER LANE (PHASE 1):
TRAFFIC - TRUCK AND LOCAL TRAFFIC TO UTILIZE TEMPORARY GRAVEL INTERSECTION EAST HALF OF IBER LANE INTERSECTION.

CONSTRUCTION - BUILD WEST HALF OF IBER LANE INTERSECTION.

BER LANE (PHASE 2):
TRAFFIC - TRUCK AND LOCAL TRAFFIC TO UTILIZE FINISHED CONCRETE INTERSECTION WEST HALF OF IBER LANE INTERSECTION.

CONSTRUCTION - BUILD EAST HALF OF IBER LANE INTERSECTION.

CONSTRUCTION NOTES:
ENGINEER IN FIELD MAY ADJUST TEMPORARY GRAVEL INTERSECTIONS TO FIT FIELD CONDITIONS. DEPICTED INTERSECTION SHOWN TO ACCOMMODATE ONE-WAY TRUCK TURNING MOVEMENTS.

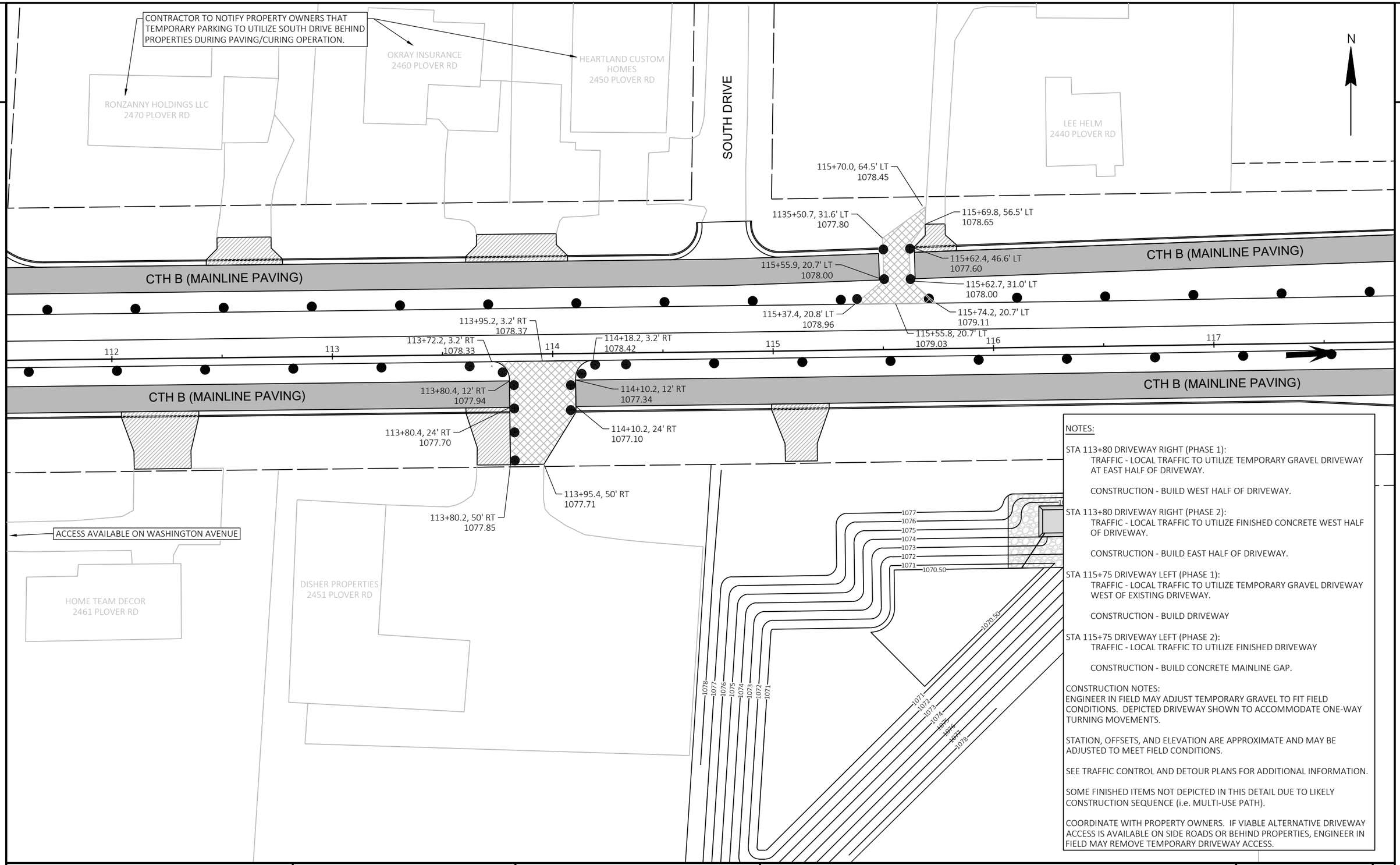
STATION, OFFSETS, AND ELEVATION ARE APPROXIMATE AND MAY BE ADJUSTED TO MEET FIELD CONDITIONS.

COORDINATE ALL TEMPORARY TRUCKING ROUTES WITH ADJACENT BUSINESSES.

SEE TRAFFIC CONTROL AND DETOUR PLANS FOR ADDITIONAL INFORMATION.

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC CONTROL: STAGE 3 INTERSECTION PHASING (IBER LANE / JAY-MAR ROAD)	SHEET 145	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\025001_TC\025011_TC-IBER.DWG
LAYOUT NAME - Plan 1 IN 40 FT
PLOT DATE : 10/27/2023 12:12 AM PLOT BY : DEXTER KAETTERHENRY PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42



NOTES:

STA 113+80 DRIVEWAY RIGHT (PHASE 1):
TRAFFIC - LOCAL TRAFFIC TO UTILIZE TEMPORARY GRAVEL DRIVEWAY AT EAST HALF OF DRIVEWAY.

CONSTRUCTION - BUILD WEST HALF OF DRIVEWAY.

STA 113+80 DRIVEWAY RIGHT (PHASE 2):
TRAFFIC - LOCAL TRAFFIC TO UTILIZE FINISHED CONCRETE WEST HALF OF DRIVEWAY.

CONSTRUCTION - BUILD EAST HALF OF DRIVEWAY.

STA 115+75 DRIVEWAY LEFT (PHASE 1):
TRAFFIC - LOCAL TRAFFIC TO UTILIZE TEMPORARY GRAVEL DRIVEWAY WEST OF EXISTING DRIVEWAY.

CONSTRUCTION - BUILD DRIVEWAY

STA 115+75 DRIVEWAY LEFT (PHASE 2):
TRAFFIC - LOCAL TRAFFIC TO UTILIZE FINISHED DRIVEWAY

CONSTRUCTION - BUILD CONCRETE MAINLINE GAP.

CONSTRUCTION NOTES:
ENGINEER IN FIELD MAY ADJUST TEMPORARY GRAVEL TO FIT FIELD CONDITIONS. DEPICTED DRIVEWAY SHOWN TO ACCOMMODATE ONE-WAY TURNING MOVEMENTS.

STATION, OFFSETS, AND ELEVATION ARE APPROXIMATE AND MAY BE ADJUSTED TO MEET FIELD CONDITIONS.

SEE TRAFFIC CONTROL AND DETOUR PLANS FOR ADDITIONAL INFORMATION.

SOME FINISHED ITEMS NOT DEPICTED IN THIS DETAIL DUE TO LIKELY CONSTRUCTION SEQUENCE (i.e. MULTI-USE PATH).

COORDINATE WITH PROPERTY OWNERS. IF VIABLE ALTERNATIVE DRIVEWAY ACCESS IS AVAILABLE ON SIDE ROADS OR BEHIND PROPERTIES, ENGINEER IN FIELD MAY REMOVE TEMPORARY DRIVEWAY ACCESS.

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC CONTROL: STAGE 3 DRIVEWAY PHASING	SHEET 146	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\025001_TC\025012_TC-IBER.DWG
LAYOUT NAME - Plan 1 IN 40 FT
PLOT DATE : 10/27/2023 10:41 AM PLOT BY : DEXTER KAETTERHENRY PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- TRAFFIC CONTROL 42-INCH CONE
- WORK AREA (SPECIAL)
- WORK AREA
- DIRECTION OF TRAFFIC

SOUTH DRIVE

STH 54

STH 54

ROAD CLOSED
0.9 MILES AHEAD
LOCAL TRAFFIC ONLY
R11-3B
60"X30"

PLACE SIGN AT INTERSECTION OF STH 54 / JACKSON AVE

MB

WILSON AVENUE

STAGE 4 - TRAFFIC SIGNAL NOTES:

CTH B/STH 54 & BUS 51/Post Road: Existing signal to remain in operation. Any signal timing adjustments will be completed by WisDOT.

CTH B & Mecca Drive: Provide stop control indications on Mecca Drive as shown in temporary signing plan. Activate the new traffic signal after completion of Stage 4.

CTH B & Hoover Avenue: Maintain the permanent traffic signals.

CTH B & Village Park Drive: Maintain the permanent traffic signal.

CTH B & IH 39 SB Ramps: Existing signal to remain in operation.

TRAFFIC CONTROL STAGE 4 DESCRIPTION:

LOCAL TRAFFIC ON CTH B SHALL BE REDUCED TO ONE LANE IN EACH DIRECTION BETWEEN WILSON AVENUE AND VILLAGE PARK DRIVE (EASTBOUND AND WESTBOUND DETOUR SHALL BE IN PLACE). LOCAL TRAFFIC SHALL UTILIZE THE OUTSIDE LANES OF CTH B. THE PURPOSE OF THIS STAGE IS TO CONSTRUCT THE INSIDE LANES, RAISED MEDIANS, TWO-WAY LEFT TURN LANE, AND COMPLETE STUBBED UTILITIES OF CTH B FROM WISCONSIN AVENUE TO HOOVER AVENUE.

UPON COMPLETION OF STAGE 4 ALTERNATIVE LANE CLOSURE MAY BE REQUIRED TO COMPLETE PAVEMENT MARKING INSTALLATION.

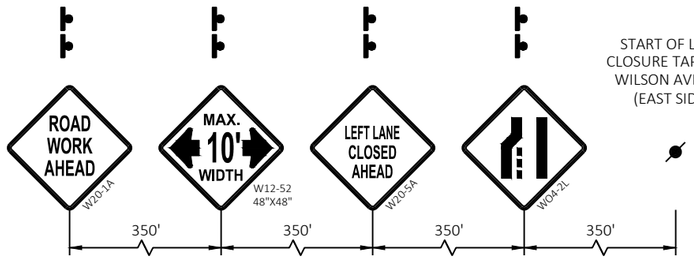
N

MARKING REMOVAL LINE 4-INCH

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

LANE CLOSED
R11-2L
48"X30"

ADVANCED WARNING SIGNING DETAIL



START OF LANE CLOSURE TAPER AT WILSON AVENUE (EAST SIDE)

TRAFFIC CONTROL PCMS MESSAGES

PCMS SIGN LOCATION	STAGE/WORK OPERATION	PHASE 1 (2 SEC)	PHASE 2 (2 SEC)
STH 54 / WILSON AVE SE QUADRANT	DURING STAGE 4 CONSTRUCTION	CTH B OPEN TO BUSINESS	LOCAL TRAFFIC ONLY
CTH B / CTH R NW QUADRANT	DURING STAGE 4 CONSTRUCTION	CTH B OPEN TO BUSINESS	LOCAL TRAFFIC ONLY

TRAFFIC CONTROL STAGE 4 NOTES:

LAYOUTS ARE DRAWN FOR VISUAL REPRESENTATION. UTILIZE WISDOT STANDARD DETAIL DRAWINGS:

- TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE
- TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
- TRAFFIC CONTROL, FULL LANE SHIFT NON-FREEWAY/EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER
- BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
- TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC
- TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION

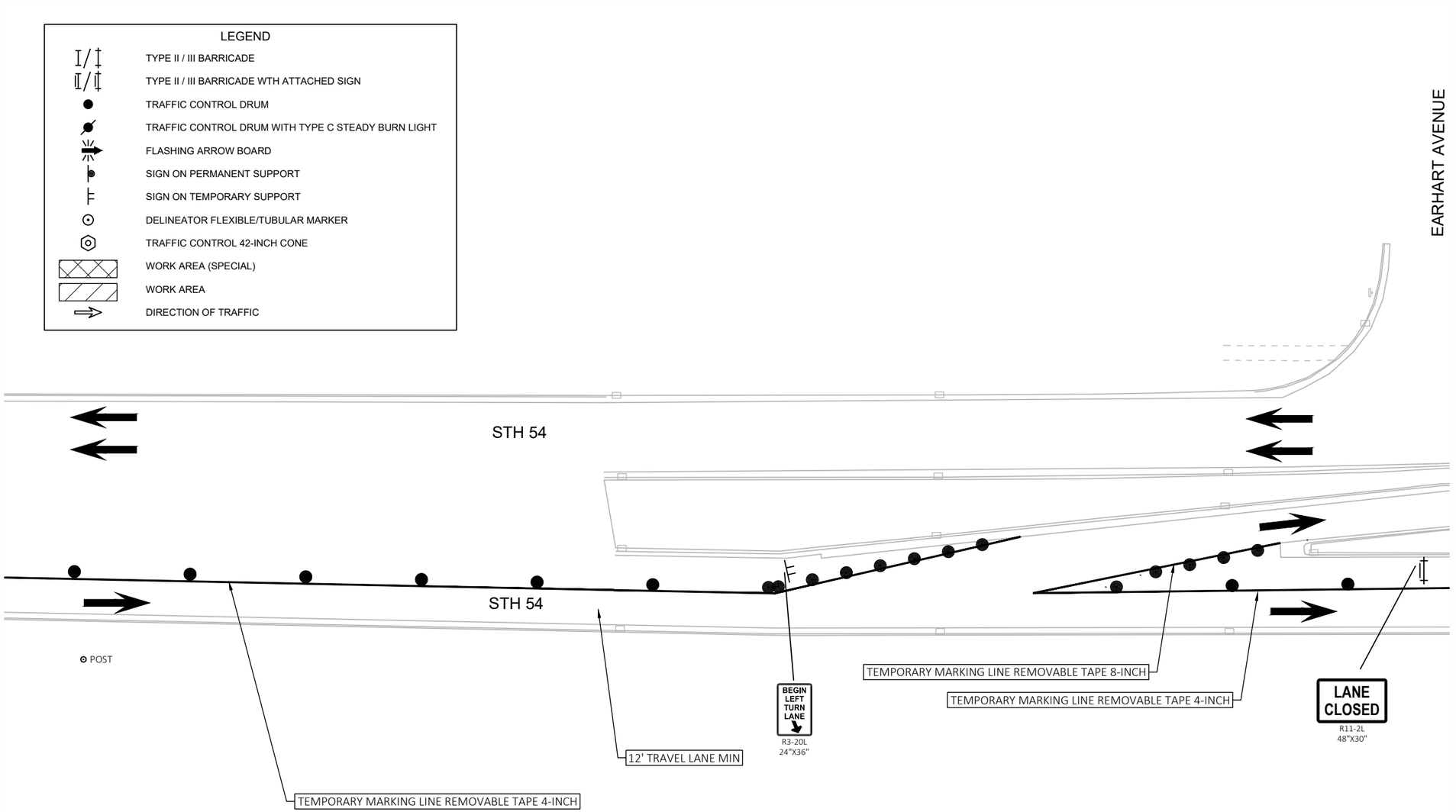
PCMS:ADJUST TRAFFIC CONTROL PCMS MESSAGE AS NEEDED BASED ON CONSTRUCTION SCHEDULE. CONFIRM MESSAGES WITH THE ENGINEER BEFORE IMPLEMENTING. (EXAMPLE MESSAGES PROVIDED, ADJUST MESSAGES TO REFLECT CURRENT SITUATION)

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC CONTROL: STAGE 4	SHEET 147	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\025001_TC\025005_TC.DWG
LAYOUT NAME - 01
PLOT DATE : 10/27/2023 10:52 AM
PLOT BY : DEXTER KAETTERHENRY
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- TRAFFIC CONTROL 42-INCH CONE
- WORK AREA (SPECIAL)
- WORK AREA
- DIRECTION OF TRAFFIC



2

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC CONTROL: STAGE 4	SHEET 148	E

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- TRAFFIC CONTROL 42-INCH CONE
- WORK AREA (SPECIAL)
- WORK AREA
- DIRECTION OF TRAFFIC

EARHART AVENUE

BUSINESS 51 / POST ROAD

N

MOTO-MART
MOTO INC
2930 POST RD

WO1-6
48"X24"

ROAD CLOSED
R11-2
48"X30"

BP: 100+00.00

101 102 103

ROAD CLOSED TO THRU TRAFFIC
R11-4
60"X30"

CTH B

STH 54

16'

DETOUR
M4-9R
30"X24"

12' TRAVEL LANE MIN

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

10' TRAVEL LANE MIN

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

PLOVER EXPRESS
MART
2621 PLOVER RD

ROAD CLOSED TO THRU TRAFFIC
R11-4
60"X30"

MCDONALDS
2601 PLOVER RD

STH 54

2

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC CONTROL: STAGE 4	SHEET 149	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\025001_TC\025005_TC.DWG
LAYOUT NAME - 03
PLOT DATE : 10/27/2023 10:53 AM PLOT BY : DEXTER KAETTERHENRY PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

ROAD WORK AHEAD W20-1A

WISCONSIN AVENUE

ACCESS TO CTH B WESTBOUND TO REMAIN OPEN (RESTRICT ACCESS TO CTH B EASTBOUND TRAFFIC)

R3-2 24"X24"

LITTLE WOLF EXPRESS LUBE
EGS PROPERTIES LLC
2900 WISCONSIN AVE

PLOVER MOTOR SPORTS
BENJAMIN SOLEM
2540 PLOVER RD

MADISON AVENUE

MADISON AVENUE TO REMAIN OPEN ON BASE AGGREGATE DENSE (MIN) UNTIL FINAL GRADING FOR PAVING IS REQUIRED. WHEN CLOSED UTILIZE SAME CONFIGURATION AS WASHINGTON AVENUE TRAFFIC CONTROL LAYOUT.

N

BY THE ROOT
BEAVER CONSTRUCTION OF AMHERST LLC
2530 PLOVER RD

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

10' TRAVEL LANES IN EACH DIRECTION

STOP R1-1 30"X30"

34'

16'

4' BUFFER

105 106 107 108 109

CTH B

10' TRAVEL LANES IN EACH DIRECTION

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

KWIK TRIP

STOP R1-1 30"X30"

CLOSE ENTRANCE DURING STAGE 4

SUBWAY
2551 PLOVER RD

WADS ENTERPRISE
2545 PLOVER RD

WISCONSIN AVENUE

R3-2 24"X24"

ROAD WORK AHEAD W20-1A

MADISON AVENUE

ACCESS TO CTH B EASTBOUND TO REMAIN OPEN (RESTRICT ACCESS TO CTH B WESTBOUND TRAFFIC)

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- TRAFFIC CONTROL 42-INCH CONE
- WORK AREA (SPECIAL)
- WORK AREA
- DIRECTION OF TRAFFIC

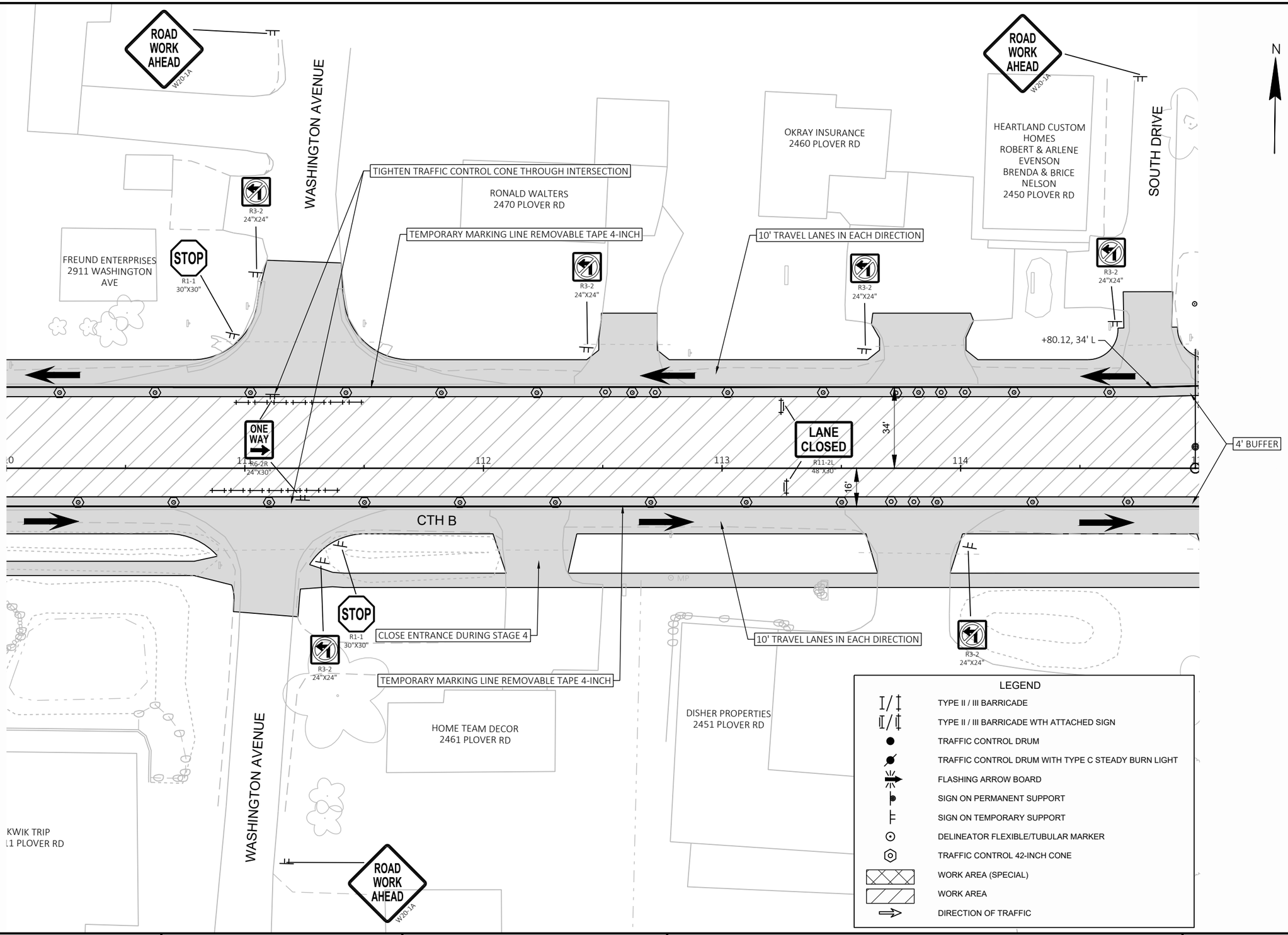
2

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC CONTROL: STAGE 4	SHEET 150	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\025001_TC\025005_TC.DWG
LAYOUT NAME - 04

PLOT DATE : 10/27/2023 10:53 AM PLOT BY : DEXTER KAETTERHENRY PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC CONTROL: STAGE 4	SHEET 151	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\025001_TC\025005_TC.DWG
LAYOUT NAME - 05

PLOT DATE : 10/27/2023 10:53 AM PLOT BY : DEXTER KAETTERHENRY PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

LEE HELM
2440 PLOVER RD

SHULFERS
SHULF PROPERTIES
LLC
2430 CIRCLE CT

N

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

R3-2
24"X24"

POST

⊙ MP

+58.10, 45' L

CTH B

LANE
CLOSED
R11-2L
48"X36"

4' BUFFER

115 116 117 118 119

16'

⊙ MP

+38.9, 25.8' RT

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

ST MICHAEL'S HOSPITAL
2401 PLOVER RD

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- TRAFFIC CONTROL 42-INCH CONE
- WORK AREA (SPECIAL)
- WORK AREA
- DIRECTION OF TRAFFIC

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC CONTROL: STAGE 4	SHEET 152	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\025001_TC\025005_TC.DWG
LAYOUT NAME - 06

PLOT DATE : 10/27/2023 10:53 AM PLOT BY : DEXTER KAETTERHENRY PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

PLOVER FUNERAL HOME
SHULF PROPERTIES LLC
2400 PLOVER RD

MECCA DRIVE

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- TRAFFIC CONTROL 42-INCH CONE
- WORK AREA (SPECIAL)
- WORK AREA
- DIRECTION OF TRAFFIC

N

R3-2
24"X24"

STOP
R1-1
30"X30"

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH

TEMPORARY MARKING ARROW REMOVABLE TAPE

+95.4, 58.5' L

+69.2, 58.5' L

MP

POST

+68.93, 46' L

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

ONE WAY
R6-2R
24"X30"

TIGHTEN TRAFFIC CONTROL CONE THROUGH INTERSECTION

46'

4' BUFFER

120 121 122 123 124 12

16'

CTH B

+41.4, 28.5' RT

TEMPORARY MARKING ARROW REMOVABLE TAPE

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH

STOP
R1-1
30"X30"

R3-2
24"X24"

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

VANDY PROPERTIES
2351 PLOVER RD

MECCA DRIVE

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC CONTROL: STAGE 4	SHEET 153	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\025001_TC\025005_TC.DWG
LAYOUT NAME - 07

PLOT DATE : 10/27/2023 10:53 AM PLOT BY : DEXTER KAETTERHENRY PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

FAHRNER ASPHALT
JENTEX GROUP LLC
2380 PLOVER RD

WISCONSIN BUILDING SUI
WOLOHAN REALTY LL
2200 PLOVER RD

N

JAY MAR ROAD

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- TRAFFIC CONTROL 42-INCH CONE
- WORK AREA (SPECIAL)
- WORK AREA
- DIRECTION OF TRAFFIC

TIGHTEN TRAFFIC CONTROL CONE THROUGH INTERSECTION

R3-2
24"X24"

STOP
R1-1
30"X30"

+33.50, 34' L

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

4' BUFFER

LANE CLOSED
R11-2L
48"X30"

ONE WAY
R6-2R
24"X30"

34'

16'

125 126 127 128 129 130

CTH B

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

R3-2
24"X24"

NRG MEDIA
2301 PLOVER RD

BRUNS & SONS AUTO LLC
2251 PLOVER RD

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC CONTROL: STAGE 4	SHEET 154	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\025001_TC\025005_TC.DWG
LAYOUT NAME - 08

PLOT DATE : 10/27/2023 10:53 AM PLOT BY : DEXTER KAETTERHENRY PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- TRAFFIC CONTROL 42-INCH CONE
- WORK AREA (SPECIAL)
- WORK AREA
- DIRECTION OF TRAFFIC

JAY-MAR
JAY-MAR PROPERTIES
LLC
2130 JAY-MAR RD

N

JAY MAR ROAD

R3-2
24"X24"

STOP
R1-1
30"X30"

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

+58.05, 34' L

2+58.83

+96.99, 34' L

4' BUFFER

34'

16'

131

132

133

134

135

ONE WAY
R6-2R
24"X30"

CTH B

+58.33, 16' R

TIGHTEN TRAFFIC CONTROL CONE THROUGH INTERSECTION

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

UNITED WASH LLC
2201 PLOVER RD

IBER LANE

NAPA
LNS PROPERTIES LLC
2131 PLOVER RD

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC CONTROL: STAGE 4	SHEET 155	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\025001_TC\025005_TC.DWG
LAYOUT NAME - 09

PLOT DATE : 10/27/2023 10:53 AM PLOT BY : DEXTER KAETTERHENRY PLOT NAME : PLOT SCALE : 1 IN:40 FT

OAKVIEW VETERINARY
J & H REAL ESTATE
PARTNERSHIP
2110 JAY-MAR RD

KERBER ROSE
CERTIFIED PUBLIC
ACCOUNTANTS
KRA REAL ESTATE LLC
2040 JAY-MAR RD

COCA-COLA
LONE OAK - WISCONSIN
LLC
2010 JAY-MAR RD

N

JAY MAR ROAD

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

+73.53, 41' L

+85.55, 36' L

PI: 18+45.34

4' BUFFER

136 137 138 139

16'

CTH B

+45.21, 16' R

STOP
R1-1
30"X30"

R3-2
24"X24"

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH

IF TERRACE RESTORATION FROM HOOVER AVENUE TO INTERSTATE 39 OCCURS IN STAGE 4, EXTEND LANE CLOSURE TO INTERSTATE 39 RAMPS

WISCONSIN PUBLIC SERVICE CORP
2001 PLOVER RD

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- TRAFFIC CONTROL 42-INCH CONE
- WORK AREA (SPECIAL)
- WORK AREA
- DIRECTION OF TRAFFIC

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC CONTROL: STAGE 4	SHEET 156	E

2

N

WOOD COUNTY NATIONAL BANK
1900 PLOVER RD

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

POST

MP

LANE CLOSED
R11-2L
48"X30"

BEGIN LEFT TURN LANE
R3-20L
24"X36"

4' BUFFER

41'

PI: 141+18.83

PI: 144+84.08

140 141 142 143 144

CTH B

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

POST

HOOVER AVENUE

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- TRAFFIC CONTROL 42-INCH CONE
- WORK AREA (SPECIAL)
- WORK AREA
- DIRECTION OF TRAFFIC

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC CONTROL: STAGE 4	SHEET 157	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\025001_TC\025005_TC.DWG
LAYOUT NAME - 11

PLOT DATE : 10/27/2023 10:53 AM PLOT BY : DEXTER KAETTERHENRY PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

VERIZON
1830 PLOVER LLC
1830 PLOVER RD

MAN-JAC INVESTMENT
LLC
1810 PLOVER RD

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

LANE CLOSED
R11-2L
48"X30"

PI: 148+10.30

146 147 148 149

CTH B

LANE CLOSED
R11-2L
48"X30"

MENARDS DRIVE

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- TRAFFIC CONTROL 42-INCH CONE
- WORK AREA (SPECIAL)
- WORK AREA
- DIRECTION OF TRAFFIC

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC CONTROL: STAGE 4	SHEET 158	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\025001_TC\025005_TC.DWG
LAYOUT NAME - 12

PLOT DATE : 10/27/2023 10:53 AM PLOT BY : DEXTER KAETTERHENRY PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

ADVANCED WARNING SIGNING DETAIL

START OF LANE CLOSURE TAPER STA 151+50

W04-2L — 500' — LEFT LANE CLOSED AHEAD W20-5A — 500' — MAX. 10' WIDTH W12-52 48"X48" — 500' — ROAD WORK AHEAD W20-2A — 500'

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

MEMBERS ADVANTAGE CREDIT UNION
1760 PLOVER RD

VILLAGE PARK DRIVE

N

PI: 155+11.41

150 151 152 153 154 155

CTH B

END ROAD WORK
G20-2A
48"X24"

ARBY'S
1825 PLOVER

CULVER'S
CVP LLC
1805 PLOVER RD

VILLAGE PARK DRIVE

IH 39 NB ON-RAMP

PI: 171+28.68

PI: 176+70.15

PI: 181+68.41

ROAD CLOSED
0.5 MILES AHEAD
LOCAL TRAFFIC ONLY
R11-3B
60"X30"

EP: 192+59.78

MB

POST

169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192

CTH B

IH 39 NB OFF-RAMP

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- TRAFFIC CONTROL 42-INCH CONE
- WORK AREA (SPECIAL)
- WORK AREA
- DIRECTION OF TRAFFIC

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	TRAFFIC CONTROL: STAGE 4	SHEET 159	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\025001_TC\025005_TC.DWG
LAYOUT NAME - 13

PLOT DATE : 10/27/2023 10:53 AM PLOT BY : DEXTER KAETTERHENRY PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

N

JCT COUNTY B BUSINESS 51
M1-5A 24"X24"
COUNTY B
DETOUR AHEAD
W20-2A

M4-8 24"X12"
DETOUR
COUNTY B
MO6-1 21"X21"

M4-8A 24"X18"
END DETOUR
M1-5A 24"X24"
COUNTY B

EAST 54
M4-8 24"X12"
M1-5A 24"X24"
DETOUR
COUNTY B
MO6-2 30"X30"

EXIT 153
M4-8 24"X12"
M1-5A 24"X24"
DETOUR
COUNTY B
MO6-2 30"X30"

EAST 54
M4-8 24"X12"
M1-5A 24"X24"
DETOUR
COUNTY B

EXIT 153
B
Plover
Amherst
M4-8 24"X12"
M1-5A 24"X24"
DETOUR
COUNTY B
MO6-2 30"X30"

JCT INTERSTATE 39
JCT 51
END BUSINESS 51
M4-8 24"X12"
M1-5A 24"X24"
DETOUR
COUNTY B

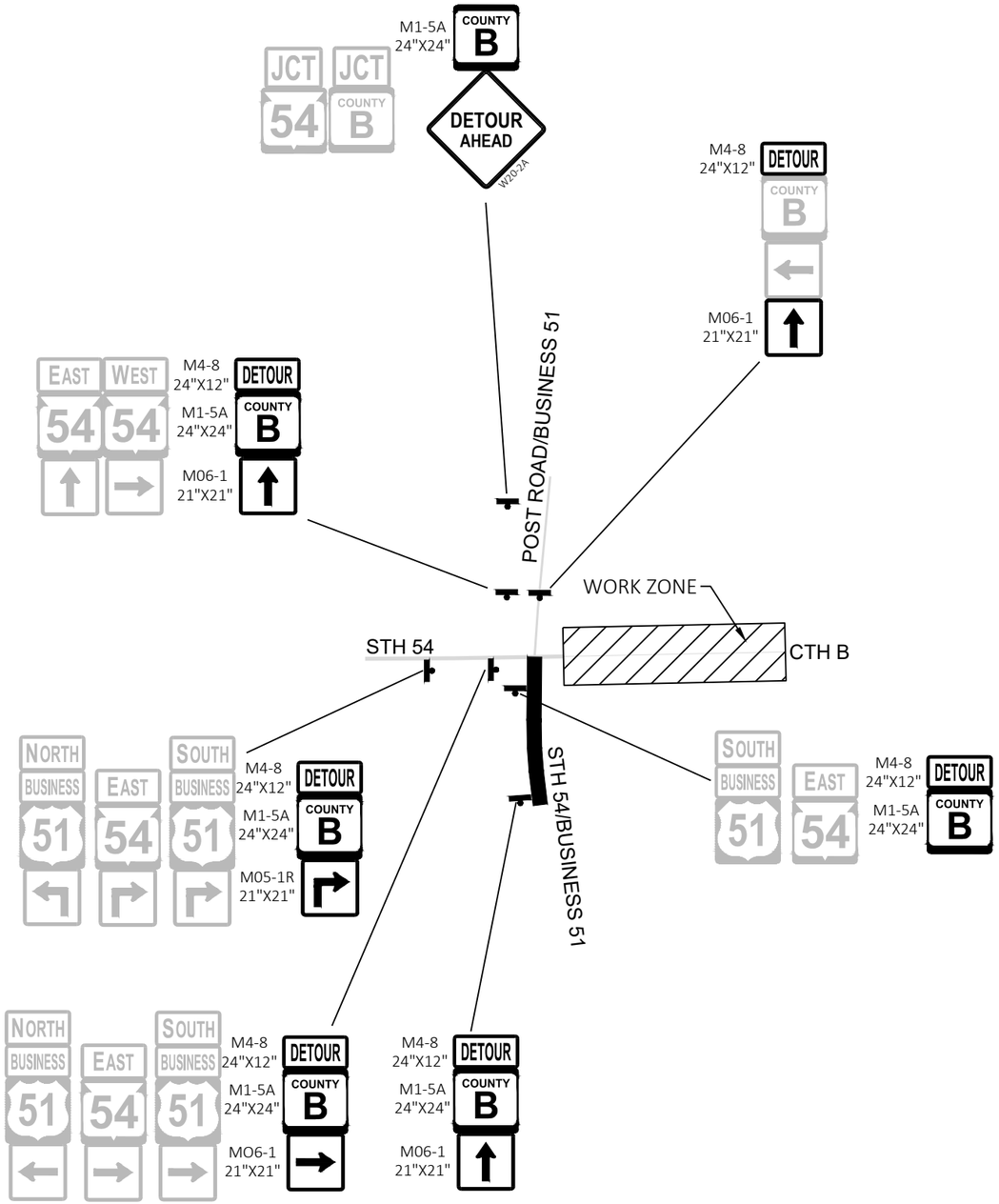
NORTH INTERSTATE 39
SOUTH INTERSTATE 39
EAST 54
51
51
M4-8 24"X12"
M1-5A 24"X24"
DETOUR
COUNTY B
MO6-1 21"X21"

POST RD
HOOVER AVE
CANADIAN NATIONAL
WORK ZONE
CLEVELAND AVE
LINCOLN AVE
Plover
51
39
54
B
R
1
2

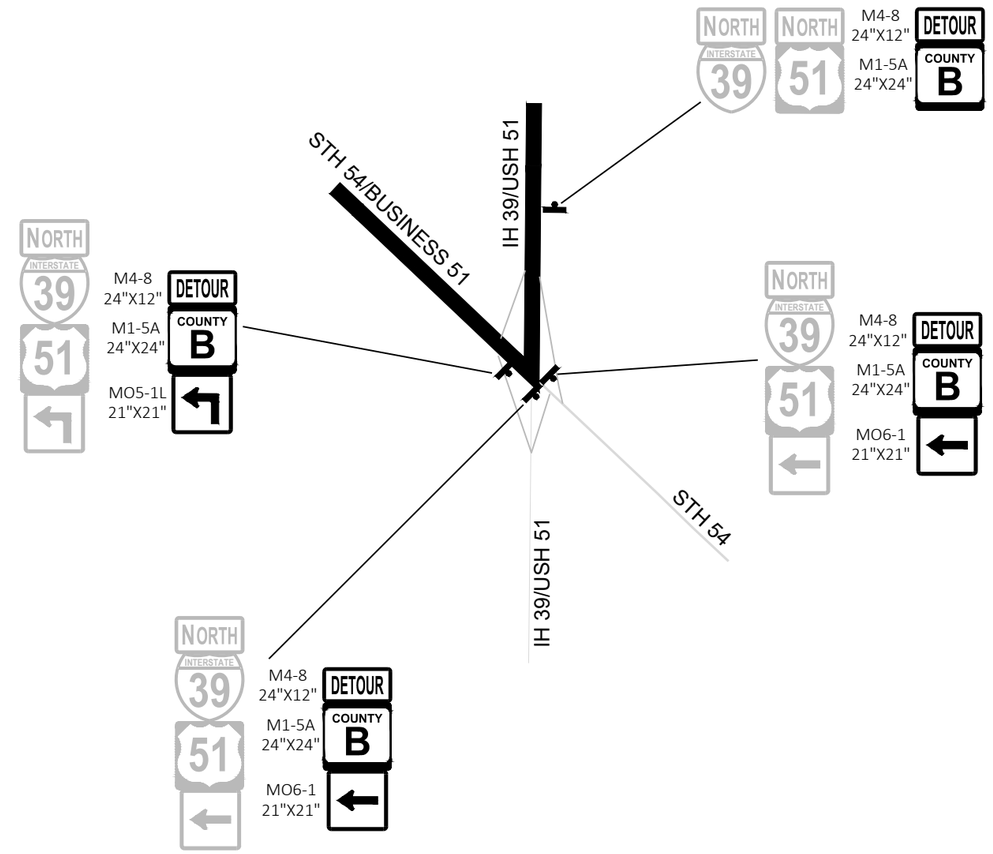
PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	DETOUR PLAN - EASTBOUND	SHEET 160	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\027001_DT\027001_DT.DWG
LAYOUT NAME - 01
PLOT DATE : 10/19/2023 12:46 PM
PLOT BY : DEXTER KAETTERHENRY
PLOT NAME :
PLOT SCALE : 1 IN:2000 FT

①



②



2

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	DETOUR PLAN - EASTBOUND	SHEET 161	E

2

PCMS BOARD WITH MESSAGE "CTY B/WEST/CLOSED I FOLLOW/DETOUR"

N

EXIT 153
B
Wis Rapids
Plover
1 1/4 MILE

M1-5A 24"X24"
COUNTY B
DETOUR AHEAD
W20-2A

EXIT 153
B
COVER Plover
COVER Wis Rapids

M4-8 24"x12"
DETOUR
M1-5A 24"X24"
COUNTY B
MO6-1 21"X21"

POST RD
HOOVER AVE
CANADIAN NATIONAL
WORK ZONE
MB
51
39
54
B
R
1
2
3
Plover
CLEVELAND AVE
LINCOLN AVE

EAST
54

M4-8 24"x12"
DETOUR
M1-5A 24"X24"
COUNTY B
MO6-2 30"X30"

M4-8 24"x12"
DETOUR
M1-5A 24"X24"
COUNTY B
MO6-1 21"X21"

WEST
COUNTY B
DETOUR AHEAD
W20-2A

SOUTH INTERSTATE 39
NORTH INTERSTATE 39
51
51

M4-8 24"x12"
DETOUR
M1-5A 24"X24"
COUNTY B
MO6-1 21"X21"

WEST 54
NORTH BUSINESS 51

M4-8 24"x12"
DETOUR
M1-5A 24"X24"
COUNTY B

EXIT 151
BUSINESS
54
51
Wis Rapids
Waupaca

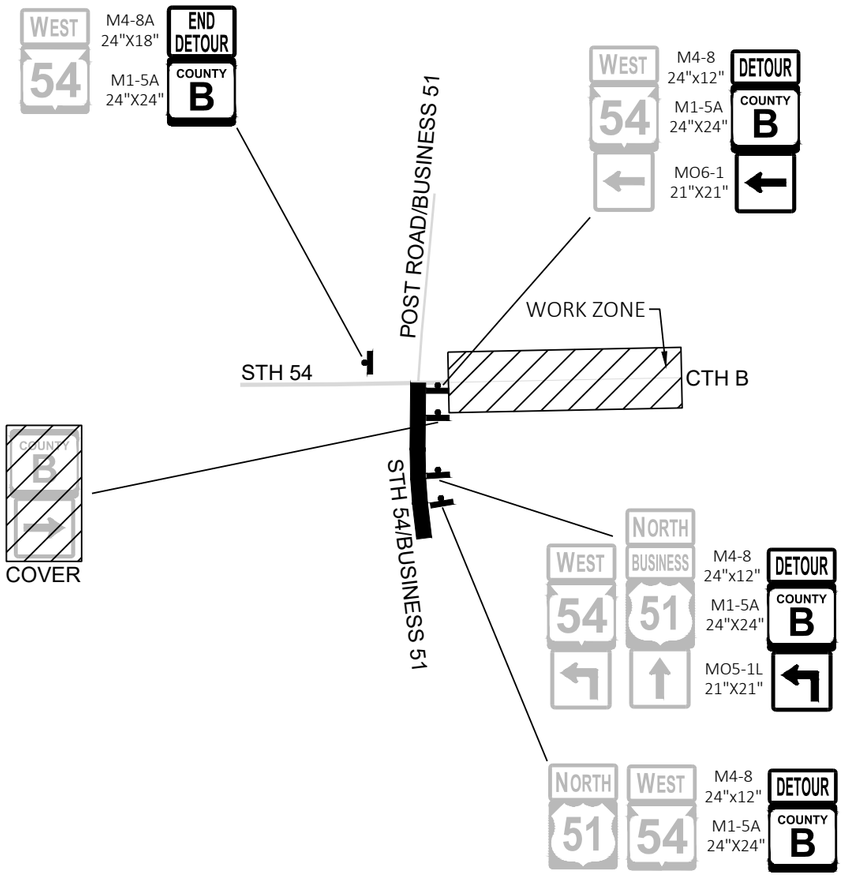
M4-8 24"x12"
DETOUR
M1-5A 24"X24"
COUNTY B
MO6-2 30"X30"

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	DETOUR PLAN - WESTBOUND	SHEET 162	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\027001_DT\027001_DT.DWG
LAYOUT NAME - 01 (2)
PLOT DATE : 10/19/2023 12:46 PM
PLOT BY : DEXTER KAETTERHENRY
PLOT NAME :
PLOT SCALE : 1 IN:2000 FT
WISDOT/CADDS SHEET 42

2

1



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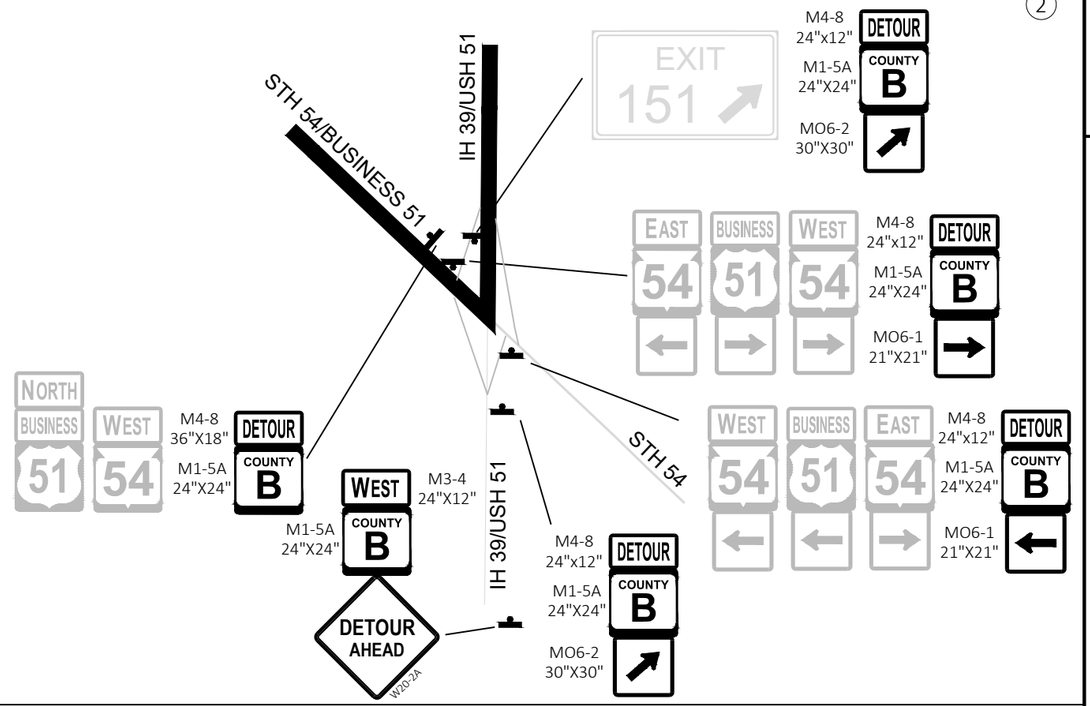

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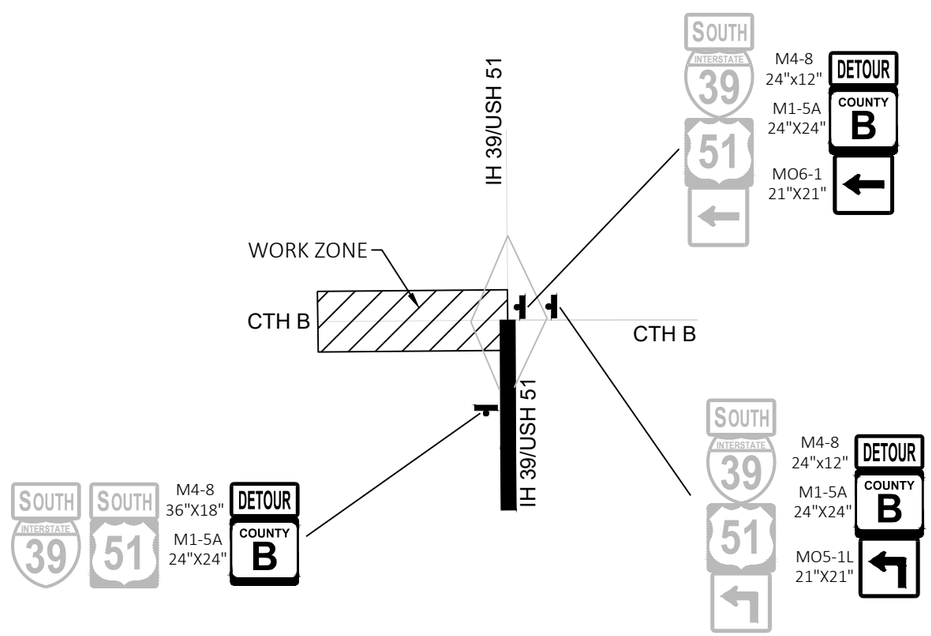
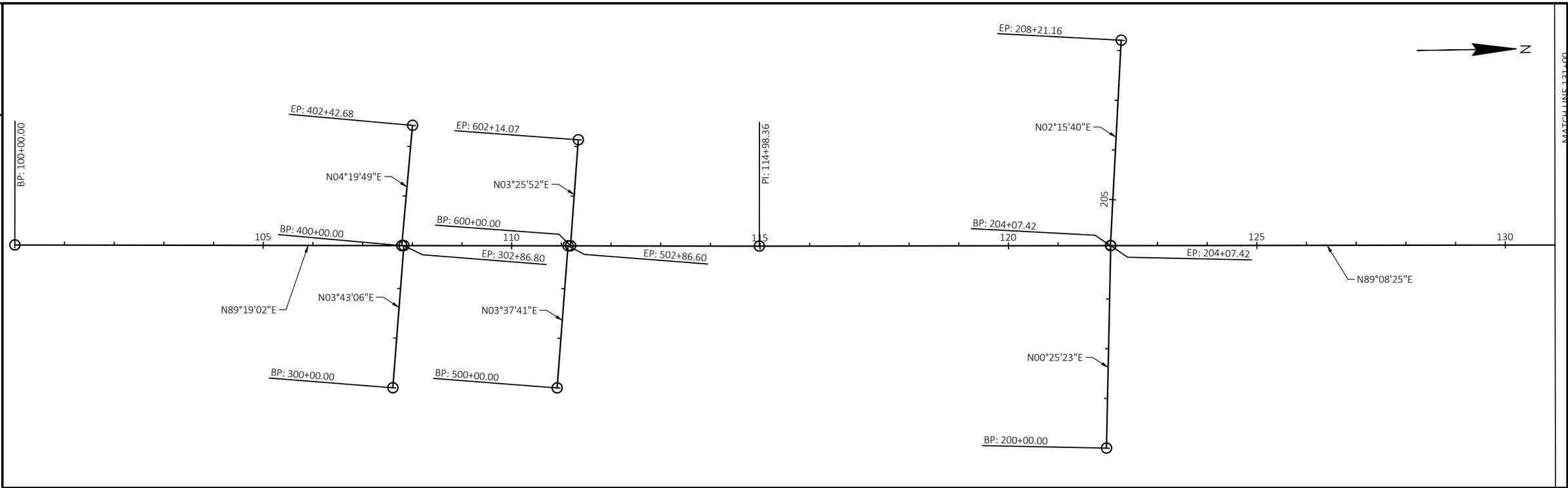
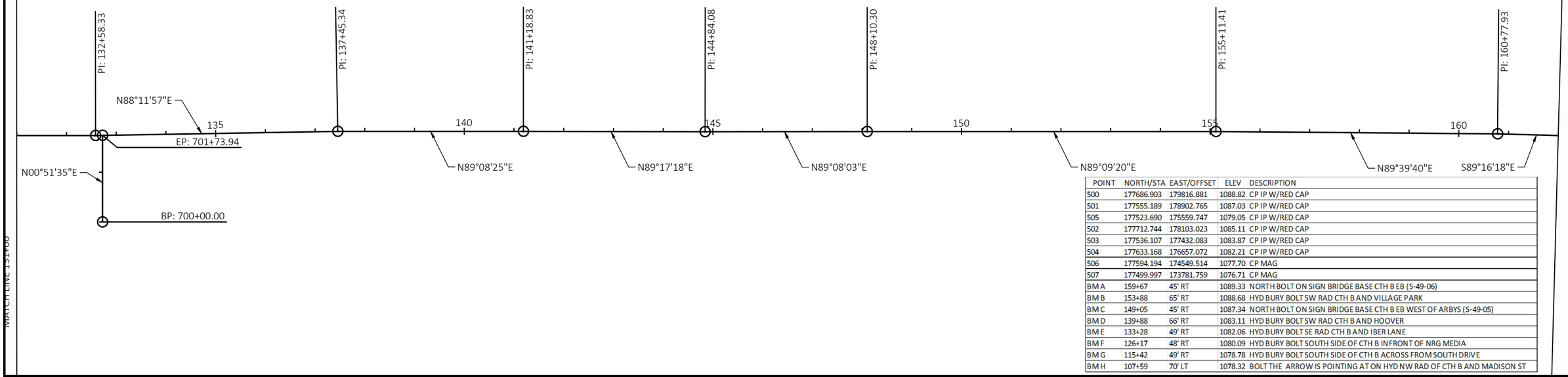


PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	DETOUR PLAN - WESTBOUND	SHEET 163	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\027001_DT\027001_DT.DWG
LAYOUT NAME - 03
PLOT DATE : 10/19/2023 12:47 PM
PLOT BY : DEXTER KAETTERHENRY
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

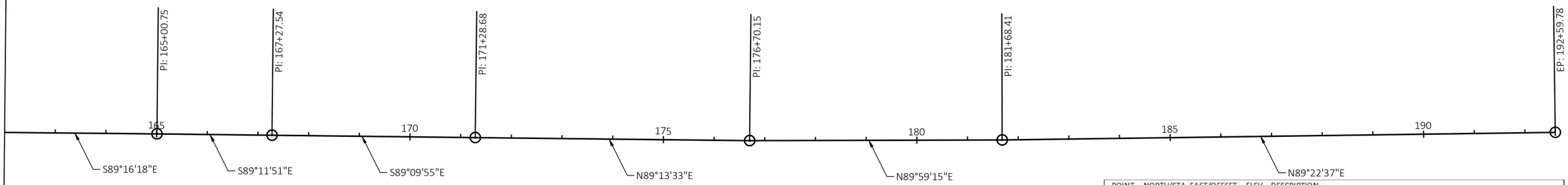




POINT	NORTH/STA	EAST/OFFSET	ELEV	DESCRIPTION
500	177686.903	179816.881	1088.82	CP IP W/RED CAP
501	177555.189	178902.765	1087.03	CP IP W/RED CAP
505	177523.690	175559.747	1079.05	CP IP W/RED CAP
502	177712.744	178103.023	1085.11	CP IP W/RED CAP
503	177536.107	177432.083	1083.87	CP IP W/RED CAP
504	177633.168	176657.072	1082.21	CP IP W/RED CAP
506	177594.194	174549.514	1077.70	CP MAG
507	177499.997	173781.759	1076.71	CP MAG
BM A	159+67	45' RT	1089.33	NORTH BOLT ON SIGN BRIDGE BASE CTH B EB (S-49-06)
BM B	153+88	65' RT	1088.68	HYD BURY BOLT SW RAD CTH B AND VILLAGE PARK
BM C	149+05	45' RT	1087.34	NORTH BOLT ON SIGN BRIDGE BASE CTH B EB WEST OF ARBYS (S-49-05)
BM D	139+88	66' RT	1083.11	HYD BURY BOLT SW RAD CTH B AND HOOVER
BM E	133+28	49' RT	1082.06	HYD BURY BOLT SE RAD CTH B AND IBER LANE
BM F	126+17	48' RT	1080.09	HYD BURY BOLT SOUTH SIDE OF CTH B INFRONT OF NRG MEDIA
BM G	115+42	49' RT	1078.78	HYD BURY BOLT SOUTH SIDE OF CTH B ACROSS FROM SOUTH DRIVE
BM H	107+59	70' LT	1078.32	BOLT THE ARROW IS POINTING AT ON HYD NW RAD OF CTH B AND MADISON ST

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	ALIGNMENT DIAGRAM	SHEET 164	E

2



MATCH LINE 162+00

POINT	NORTH/STA	EAST/OFFSET	ELEV	DESCRIPTION
500	177686.903	179816.881	1088.82	CP IP W/RED CAP
501	177555.189	178902.765	1087.03	CP IP W/RED CAP
505	177523.690	175559.747	1079.05	CP IP W/RED CAP
502	177712.744	178103.023	1085.11	CP IP W/RED CAP
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BM G	115+42	49' RT	1078.78	HYD BURY BOLT SOUTH SIDE OF CTH B ACROSS FROM SOUTH DRIVE
BM H	107+59	70' LT	1078.32	BOLT THE ARROW IS POINTING AT ON HYD NW RAD OF CTH B AND MADISON ST

2

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	ALIGNMENT DIAGRAM	SHEET 165	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\027201_AD\027201_AD.DWG
LAYOUT NAME - 02
PLOT DATE : 10/4/2023 2:27 PM PLOT BY : JARED HALBUR PLOT NAME : PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44

Estimate Of Quantities

Line	Item	Item Description	Unit	Total	6767-01-71 Qty	6767-02-71 Qty
0002	201.0120	Clearing	ID	100.000	100.000	
0004	201.0220	Grubbing	ID	100.000	100.000	
0006	203.0100	Removing Small Pipe Culverts	EACH	19.000	19.000	
0008	204.0100	Removing Concrete Pavement	SY	40,630.000	24,060.000	16,570.000
0010	204.0120	Removing Asphaltic Surface Milling	SY	5,125.000		5,125.000
0012	204.0150	Removing Curb & Gutter	LF	455.000	210.000	245.000
0014	204.0155	Removing Concrete Sidewalk	SY	1,512.000	457.000	1,055.000
0016	204.0195	Removing Concrete Bases	EACH	6.000		6.000
0018	204.0220	Removing Inlets	EACH	6.000	6.000	
0020	204.0245	Removing Storm Sewer (size) 01. 12-Inch	LF	266.000	266.000	
0022	204.0245	Removing Storm Sewer (size) 02. 15-Inch	LF	238.000	238.000	
0024	204.9090.S	Removing (item description) 01. Removing or Abandoning Conduit	LF	1,050.000	1,050.000	
0026	204.9090.S	Removing (item description) 02. Electrical Conductors from Existing Conduit	LF	1,050.000	1,050.000	
0028	204.9090.S	Removing (item description) 03. Watermain	LF	75.000	75.000	
0030	205.0100	Excavation Common	CY	32,230.000	24,880.000	7,350.000
0032	211.0400	Prepare Foundation for Asphaltic Shoulders	STA	50.000		50.000
0034	213.0100	Finishing Roadway (project) 01. 6767-01-71	EACH	1.000	1.000	
0036	213.0100	Finishing Roadway (project) 02. 6767-02-71	EACH	1.000		1.000
0038	305.0110	Base Aggregate Dense 3/4-Inch	TON	340.000		340.000
0040	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	24,030.000	17,400.000	6,630.000
0042	405.1000	Stamping Colored Concrete	CY	100.000		100.000
0044	415.0100	Concrete Pavement 10-Inch	SY	40,025.000	24,875.000	15,150.000
0046	415.0210	Concrete Pavement Gaps	EACH	5.000	5.000	
0048	415.1100	Concrete Pavement HES 10-Inch	SY	2,575.000	825.000	1,750.000
0050	416.0610	Drilled Tie Bars	EACH	700.000	100.000	600.000
0052	416.0620	Drilled Dowel Bars	EACH	100.000	50.000	50.000
0054	450.4000	HMA Cold Weather Paving	TON	95.000	95.000	
0056	455.0605	Tack Coat	GAL	600.000	250.000	350.000
0058	460.2000	Incentive Density HMA Pavement	DOL	2,250.000	1,190.000	1,060.000
0060	460.6224	HMA Pavement 4 MT 58-28 S	TON	3,500.000	1,850.000	1,650.000
0062	465.0105	Asphaltic Surface	TON	570.000	570.000	
0064	465.0110	Asphaltic Surface Patching	TON	105.000	100.000	5.000
0066	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	60.000	60.000	
0068	465.0125	Asphaltic Surface Temporary	TON	255.000	255.000	
0070	465.0315	Asphaltic Flumes	SY	55.000	50.000	5.000
0072	520.1024	Apron Endwalls for Culvert Pipe 24-Inch	EACH	1.000	1.000	
0074	520.8000	Concrete Collars for Pipe	EACH	21.000	21.000	
0076	601.0405	Concrete Curb & Gutter 18-Inch Type A	LF	2,910.000	45.000	2,865.000
0078	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	10,860.000	10,860.000	
0080	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	270.000		270.000
0082	601.0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF	75.000	75.000	
0084	601.0600	Concrete Curb Pedestrian	LF	150.000	150.000	
0086	602.0405	Concrete Sidewalk 4-Inch	SF	3,050.000	250.000	2,800.000
0088	602.0415	Concrete Sidewalk 6-Inch	SF	1,325.000	850.000	475.000
0090	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	200.000	146.000	54.000
0092	602.0615	Curb Ramp Detectable Warning Field Radial Natural Patina	SF	89.000	63.000	26.000
0094	602.0810	Concrete Driveway 6-Inch	SY	1,050.000	1,050.000	
0096	602.2400	Concrete Safety Islands	SF	5,150.000	5,150.000	
0098	606.0200	Riprap Medium	CY	85.000	75.000	10.000
0100	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	368.000	368.000	

					6767-01-71	6767-02-71
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
0102	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	2,795.000	2,795.000	
0104	608.3615	Storm Sewer Pipe Class III-B 15-Inch	LF	554.000	554.000	
0106	608.3624	Storm Sewer Pipe Class III-B 24-Inch	LF	480.000	480.000	
0108	611.0420	Reconstructing Manholes	EACH	1.000	1.000	
0110	611.0530	Manhole Covers Type J	EACH	4.000	4.000	
0112	611.0624	Inlet Covers Type H	EACH	13.000	13.000	
0114	611.0639	Inlet Covers Type H-S	EACH	9.000	9.000	
0116	611.0642	Inlet Covers Type MS	EACH	5.000	5.000	
0118	611.1230	Catch Basins 2x3-FT	EACH	4.000	4.000	
0120	611.2004	Manholes 4-FT Diameter	EACH	4.000	4.000	
0122	611.3004	Inlets 4-FT Diameter	EACH	7.000	7.000	
0124	611.3230	Inlets 2x3-FT	EACH	11.000	11.000	
0126	611.3901	Inlets Median 1 Grate	EACH	5.000	5.000	
0128	611.8110	Adjusting Manhole Covers	EACH	1.000	1.000	
0130	611.8115	Adjusting Inlet Covers	EACH	6.000	6.000	
0132	611.9850.S	Pipe Grates (size) 01. 24-Inch	EACH	1.000	1.000	
0134	612.0902.S	Insulation Board Polystyrene (inch) 01. 2-Inch	SY	24.500	24.500	
0136	619.1000	Mobilization	EACH	1.000	0.670	0.330
0138	620.0100	Concrete Corrugated Median	SF	600.000	600.000	
0140	620.0300	Concrete Median Sloped Nose	SF	275.000	275.000	
0142	621.0100	Landmark Reference Monuments	EACH	8.000	8.000	
0144	624.0100	Water	MGAL	345.000	245.000	100.000
0146	625.0100	Topsoil	SY	12,340.000	12,200.000	140.000
0148	628.1504	Silt Fence	LF	700.000	700.000	
0150	628.1520	Silt Fence Maintenance	LF	300.000	300.000	
0152	628.1905	Mobilizations Erosion Control	EACH	3.000	2.000	1.000
0154	628.1910	Mobilizations Emergency Erosion Control	EACH	5.000	4.000	1.000
0156	628.2006	Erosion Mat Urban Class I Type A	SY	12,340.000	12,200.000	140.000
0158	628.7005	Inlet Protection Type A	EACH	27.000	27.000	
0160	628.7010	Inlet Protection Type B	EACH	5.000	5.000	
0162	628.7015	Inlet Protection Type C	EACH	27.000	22.000	5.000
0164	628.7020	Inlet Protection Type D	EACH	7.000	7.000	
0166	628.7504	Temporary Ditch Checks	LF	50.000	50.000	
0168	628.7555	Culvert Pipe Checks	EACH	6.000	6.000	
0170	628.7560	Tracking Pads	EACH	2.000	2.000	
0172	629.0210	Fertilizer Type B	CWT	8.200	8.000	0.200
0174	630.0140	Seeding Mixture No. 40	LB	270.000	220.000	50.000
0176	630.0200	Seeding Temporary	LB	270.000	220.000	50.000
0178	630.0500	Seed Water	MGAL	355.000	305.000	50.000
0180	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	32.000	22.000	10.000
0182	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	17.000	17.000	
0184	637.2210	Signs Type II Reflective H	SF	179.240	179.240	
0186	637.2230	Signs Type II Reflective F	SF	36.000	36.000	
0188	638.2102	Moving Signs Type II	EACH	10.000		10.000
0190	638.2602	Removing Signs Type II	EACH	35.000	35.000	
0192	642.5401	Field Office Type D	EACH	1.000	0.670	0.330
0194	643.0300	Traffic Control Drums	DAY	82,300.000	54,261.000	28,039.000
0196	643.0410	Traffic Control Barricades Type II	DAY	388.000		388.000
0198	643.0420	Traffic Control Barricades Type III	DAY	9,400.000	5,800.000	3,600.000
0200	643.0500	Traffic Control Flexible Tubular Marker Posts	EACH	100.000	100.000	

Estimate Of Quantities

Line	Item	Item Description	Unit	Total	6767-01-71 Qty	6767-02-71 Qty
0202	643.0600	Traffic Control Flexible Tubular Marker Bases	EACH	100.000	100.000	
0204	643.0705	Traffic Control Warning Lights Type A	DAY	12,600.000	7,800.000	4,800.000
0206	643.0715	Traffic Control Warning Lights Type C	DAY	7,500.000	5,000.000	2,500.000
0208	643.0800	Traffic Control Arrow Boards	DAY	608.000	389.000	219.000
0210	643.0900	Traffic Control Signs	DAY	33,042.000	22,500.000	10,542.000
0212	643.0910	Traffic Control Covering Signs Type I	EACH	2.000	2.000	
0214	643.0920	Traffic Control Covering Signs Type II	EACH	1.000	1.000	
0216	643.1050	Traffic Control Signs PCMS	DAY	415.000	226.000	189.000
0218	643.1070	Traffic Control Cones 42-Inch	DAY	20,000.000	20,000.000	
0220	643.3105	Temporary Marking Line Paint 4-Inch	LF	24,500.000	24,500.000	
0222	643.3150	Temporary Marking Line Removable Tape 4-Inch	LF	1,000.000	500.000	500.000
0224	643.3205	Temporary Marking Line Paint 8-Inch	LF	800.000	800.000	
0226	643.3250	Temporary Marking Line Removable Tape 8-Inch	LF	300.000	100.000	200.000
0228	643.5000	Traffic Control	EACH	1.000	0.670	0.330
0230	644.1410	Temporary Pedestrian Surface Asphalt	SF	1,340.000		1,340.000
0232	644.1430	Temporary Pedestrian Surface Plate	SF	50.000		50.000
0234	644.1601	Temporary Pedestrian Curb Ramp	DAY	66.000		66.000
0236	644.1810	Temporary Pedestrian Barricade	LF	1,640.000		1,640.000
0238	645.0120	Geotextile Type HR	SY	170.000	150.000	20.000
0240	646.1020	Marking Line Epoxy 4-Inch	LF	14,500.000	6,500.000	8,000.000
0242	646.3020	Marking Line Epoxy 8-Inch	LF	4,400.000	2,000.000	2,400.000
0244	646.5020	Marking Arrow Epoxy	EACH	48.000	33.000	15.000
0246	646.6120	Marking Stop Line Epoxy 18-Inch	LF	450.000	100.000	350.000
0248	646.6464	Cold Weather Marking Epoxy 4-Inch	LF	14,500.000	6,500.000	8,000.000
0250	646.6468	Cold Weather Marking Epoxy 8-Inch	LF	4,400.000	2,000.000	2,400.000
0252	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	1,800.000	600.000	1,200.000
0254	646.8120	Marking Curb Epoxy	LF	100.000	100.000	
0256	646.8220	Marking Island Nose Epoxy	EACH	9.000	9.000	
0258	646.9000	Marking Removal Line 4-Inch	LF	8,500.000	8,500.000	
0260	650.4000	Construction Staking Storm Sewer	EACH	32.000	32.000	
0262	650.4500	Construction Staking Subgrade	LF	5,934.000	3,481.000	2,453.000
0264	650.5000	Construction Staking Base	LF	350.000	350.000	
0266	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	270.000		270.000
0268	650.7000	Construction Staking Concrete Pavement	LF	5,934.000	3,481.000	2,453.000
0270	650.8501	Construction Staking Electrical Installations (project) 01. 6767-01-71	EACH	1.000	1.000	
0272	650.8501	Construction Staking Electrical Installations (project) 02. 6767-02-71	EACH	1.000		1.000
0274	650.9000	Construction Staking Curb Ramps	EACH	21.000	13.000	8.000
0276	650.9500	Construction Staking Sidewalk (project) 01. 6767-01-71	EACH	1.000	1.000	
0278	650.9500	Construction Staking Sidewalk (project) 02. 6767-02-71	EACH	1.000		1.000
0280	650.9911	Construction Staking Supplemental Control (project) 01. 6767-01-71	EACH	1.000	1.000	
0282	650.9911	Construction Staking Supplemental Control (project) 02. 6767-02-71	EACH	1.000		1.000
0284	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	7,192.000	6,629.000	563.000
0286	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	1,227.000	1,227.000	
0288	652.0325	Conduit Rigid Nonmetallic Schedule 80 2-Inch	LF	1,590.000	1,590.000	
0290	652.0700.S	Install Conduit into Existing Item	EACH	54.000		54.000
0292	652.0800	Conduit Loop Detector	LF	3,534.000	1,268.000	2,266.000
0294	653.0154	Pull Boxes Non-Conductive 24x36-Inch	EACH	12.000	6.000	6.000
0296	653.0164	Pull Boxes Non-Conductive 24x42-Inch	EACH	36.000	36.000	
0298	653.0905	Removing Pull Boxes	EACH	6.000		6.000
0300	654.0101	Concrete Bases Type 1	EACH	11.000	7.000	4.000

					6767-01-71	6767-02-71
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
0302	654.0102	Concrete Bases Type 2	EACH	10.000	6.000	4.000
0304	654.0106	Concrete Bases Type 6	EACH	31.000	31.000	
0306	655.0230	Cable Traffic Signal 5-14 AWG	LF	1,802.000	761.000	1,041.000
0308	655.0240	Cable Traffic Signal 7-14 AWG	LF	2,229.000	1,018.000	1,211.000
0310	655.0260	Cable Traffic Signal 12-14 AWG	LF	2,926.000	1,777.000	1,149.000
0312	655.0270	Cable Traffic Signal 15-14 AWG	LF	332.000		332.000
0314	655.0305	Cable Type UF 2-12 AWG Grounded	LF	764.000	764.000	
0316	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	3,854.000	1,519.000	2,335.000
0318	655.0610	Electrical Wire Lighting 12 AWG	LF	4,859.000	4,859.000	
0320	655.0620	Electrical Wire Lighting 8 AWG	LF	24,495.000	24,495.000	
0322	655.0700	Loop Detector Lead In Cable	LF	11,731.000	4,828.000	6,903.000
0324	655.0800	Loop Detector Wire	LF	12,804.000	4,396.000	8,408.000
0326	656.0201	Electrical Service Meter Breaker Pedestal (location) 01. CB100, 121+63 RT	EACH	1.000	1.000	
0328	657.0100	Pedestal Bases	EACH	11.000	7.000	4.000
0330	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	41.000	37.000	4.000
0332	657.0305	Poles Type 2	EACH	6.000	2.000	4.000
0334	657.0310	Poles Type 3	EACH	4.000	4.000	
0336	657.0327	Poles Type 6-Aluminum	EACH	31.000	31.000	
0338	657.0420	Traffic Signal Standards Aluminum 13-FT	EACH	7.000	7.000	
0340	657.0425	Traffic Signal Standards Aluminum 15-FT	EACH	2.000		2.000
0342	657.0430	Traffic Signal Standards Aluminum 10-FT	EACH	2.000		2.000
0344	657.0585	Trombone Arms 15-FT	EACH	5.000	2.000	3.000
0346	657.0590	Trombone Arms 20-FT	EACH	1.000	1.000	
0348	657.0595	Trombone Arms 25-FT	EACH	5.000	3.000	2.000
0350	657.0605	Luminaire Arms Single Member 4 1/2-Inch Clamp 4-FT	EACH	31.000	31.000	
0352	657.0609	Luminaire Arms Single Member 4-Inch Clamp 6-FT	EACH	4.000	4.000	
0354	658.0173	Traffic Signal Face 3S 12-Inch	EACH	30.000	20.000	10.000
0356	658.0174	Traffic Signal Face 4S 12-Inch	EACH	20.000		20.000
0358	658.0175	Traffic Signal Face 5S 12-Inch	EACH	2.000		2.000
0360	658.0416	Pedestrian Signal Face 16-Inch	EACH	10.000	6.000	4.000
0362	658.0500	Pedestrian Push Buttons	EACH	4.000		4.000
0364	658.5070	Signal Mounting Hardware (location) 01. CTH B & Mecca Dr	EACH	1.000	1.000	
0366	658.5070	Signal Mounting Hardware (location) 02. CTH B & Hoover Ave	EACH	1.000		1.000
0368	658.5070	Signal Mounting Hardware (location) 03. CTH B & Village Park Dr	EACH	1.000		1.000
0370	659.1115	Luminaires Utility LED A	EACH	35.000	35.000	
0372	659.2130	Lighting Control Cabinets 120/240 30-Inch	EACH	1.000	1.000	
0374	659.5000.S	Lamp, Ballast, LED, Switch Disposal by Contractor	EACH	6.000	6.000	
0376	690.0150	Sawing Asphalt	LF	1,845.000	1,100.000	745.000
0378	690.0250	Sawing Concrete	LF	4,500.000	300.000	4,200.000
0380	715.0720	Incentive Compressive Strength Concrete Pavement	DOL	12,008.000	7,463.000	4,545.000
0382	740.0440	Incentive IRI Ride	DOL	9,441.000	5,724.000	3,717.000
0384	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,400.000	1,200.000	1,200.000
0386	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	2,760.000	1,380.000	1,380.000
0388	SPV.0030	Special 01. Fertilizer for Lawn Type Turf	CWT	8.200	8.000	0.200
0390	SPV.0060	Special 01. Remove Traffic Signals CTH B & Hoover Ave	EACH	1.000		1.000
0392	SPV.0060	Special 02. Remove Traffic Signals CTH B & Village Park Dr	EACH	1.000		1.000
0394	SPV.0060	Special 03. Furnish and Install Traffic Signal Cabinet and Controller	EACH	3.000	1.000	2.000
0396	SPV.0060	Special 04. Concrete Control Cabinet Double Base	EACH	1.000	1.000	
0398	SPV.0060	Special 05. Traffic Signal System Integrator (6767-01-01)	EACH	1.000	1.000	
0400	SPV.0060	Special 06. Traffic Signal System Integrator (6767-02-01)	EACH	1.000		1.000

					6767-01-71	6767-02-71
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
0402	SPV.0060	Special 07. Furnish & Install APS System	EACH	1.000	1.000	
0404	SPV.0060	Special 08. Remove and Salvage Lighting Unit	EACH	6.000	6.000	
0406	SPV.0060	Special 09. Sediment Trap	EACH	1.000	1.000	
0408	SPV.0060	Special 10. Temporary Block Storm Sewer	EACH	21.000	21.000	
0410	SPV.0060	Special 11. Adjusting Watermain Valve Box	EACH	14.000	14.000	
0412	SPV.0060	Special 12. Relocating Hydrant	EACH	6.000	6.000	
0414	SPV.0060	Special 13. Adjusting Sanitary Manhole	EACH	14.000	14.000	
0416	SPV.0060	Special 14. Reestablish Section Corner Monuments	EACH	2.000	2.000	
0418	SPV.0060	Special 15. Watermain Bend 45 Degree 12-Inch	EACH	12.000	12.000	
0420	SPV.0090	Special 01. Concrete C&G Cure & Seal Treatment	LF	13,350.000	10,800.000	2,550.000
0422	SPV.0090	Special 02. PVC Pipe, 6-Inch	LF	20.000	20.000	
0424	SPV.0090	Special 03. Watermain 12-Inch	LF	75.000	75.000	
0426	SPV.0165	Special 01. Concrete Cure & Seal Treatment	SF	40,275.000	9,900.000	30,375.000
0428	SPV.0180	Special 01. Infiltration Basin Soil Mix	SY	960.000	960.000	
0430	SPV.0180	Special 02. Preparing Topsoil for Lawn Type Turf	SY	12,340.000	12,200.000	140.000

CLEARING AND GRUBBING

STATION	LOCATION	201.0120 CLEARING ID	201.0220 GRUBBING ID
CATEGORY CODE 0010			
104+90 - 139+71	PROJECT	100	100
SUBTOTAL	6767-01-71	100	100
TOTALS		**100**	**100**

REMOVING CURB AND GUTTER

STATION - STATION	LOCATION	204.0150 LF	COMMENTS
110+76 - 111+05	LT	60	
111+40 - 111+72	LT	75	
139+91 - 140+56	RT	75	
SUBTOTAL	6767-01-71	210	
146+97 - 147+37	RT	64	Curb ramp
153+92 - 154+68	LT	78	Curb ramp
154+67	LT	12	Curb ramp
154+73	LT	12	Curb ramp
154+96 - 155+42	LT	79	Curb ramp
SUBTOTAL	6767-02-71	245	
TOTAL		**455**	

REMOVING INLETS

STATION	LOCATION	204.0220 EACH
CATEGORY CODE 0010		
106+03	LT	1
106+03	RT	1
134+54	LT	1
137+04	LT	1
137+50	LT	1
138+50	LT	1
SUBTOTAL	6767-01-71	6
TOTALS		**6**

REMOVING ASPHALTIC SURFACE MILLING

STATION	LOCATION	204.0120 SY
CATEGORY CODE 0010		
139+71 - 164+24	LT/RT	5,125
SUBTOTAL	6767-02-71	5,125
TOTALS		**5,125**

REMOVING SMALL PIPE CULVERTS

STATION	LOCATION	203.0100 REMOVING SMALL PIPE CULVERTS EACH
CATEGORY CODE 0010		
108+85	LT	1
109+28	RT	1
111+13	RT	1
111+24	LT	1
112+20	RT	1
112+58	LT	1
113+84	LT	1
113+84	RT	1
114+80	LT	1
115+10	RT	1
115+75	LT	1
121+75	LT	1
122+05	RT	1
127+88	RT	1
129+55	RT	1
129+61	LT	1
132+75	RT	1
136+35	LT	1
140+65	RT	1
SUBTOTAL	6767-01-71	19
TOTALS		**19**

CONCRETE COLLARS FOR PIPE

STATION	LOCATION	520.8000 CONCRETE COLLARS FOR PIPE EACH
CATEGORY CODE 0010		
106+06	LT/RT	2
108+48	LT	1
108+62	RT	1
111+65	LT/RT	2
116+00	LT/RT	2
117+00	LT/RT	2
119+93	LT/RT	2
124+00	LT/RT	2
127+00	LT/RT	2
133+74	LT/RT	2
137+64	LT/RT	2
140+65	RT	1
SUBTOTAL	6767-01-71	21

*Actual Locations to be determined by Project Engineer

TOTALS 21

REMOVING CONCRETE PAVEMENT

STATION - STATION	LOCATION	204.0100 SY
104+90 - 139+71	LT & RT	24,060
SUBTOTAL	6767-01-71	24,060
139+71 - 164+24	LT & RT	16,570
SUBTOTAL	6767-02-71	16,570
TOTALS		**40,630**

REMOVING CONCRETE SIDEWALK

STATION - STATION	LOCATION	204.0155 SY	COMMENTS
104+76 - 104+90	RT	7	Curb Ramp
104+90 - 139+71	LT	450	Concrete Medians
SUBTOTAL	6767-01-71	457	
140+54 - 141+96	LT/RT	20	Hoover Ave Curb Ramps
146+90 - 147+28	RT	35	Curb Ramp
147+13 - 147+30	LT	15	Curb Ramp
147+67 - 147+85	LT	15	Curb Ramp
154+01 - 154+33	LT	30	Curb Ramp
155+04	LT	25	Curb Ramp
139+71 - 164+24	LT	915	Concrete Medians
SUBTOTAL	6767-02-71	1,055	
TOTAL		**1,512**	

REMOVING STORM SEWER ITEMS

STATION - STATION	LOCATION	204.0245.01 12-INCH LF	204.0245.02 15-INCH LF
CATEGORY CODE 0010			
106+04 - 106+06	LT & RT	--	40
106+06 - 106+03	LT	--	24
108+00 - 108+69	LT & RT	93	--
134+54 - 134+53	LT & RT	52	--
137+04 - 137+03	LT & RT	63	--
138+50 - 138+50	LT & RT	58	133
380+31 - 380+68	RT	--	41
SUBTOTAL	6767-01-71	266	238
TOTALS		**266**	**238**

MISC. SHEET 1

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BASE AGGREGATE DENSE ITEMS

STATION - STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	COMMENTS
CATEGORY CODE 0010				
104+90 - 139+71	CL	--	13,600	MAINLINE ROADWAY
104+90 - 139+71	LT/RT	--	1,200	MECCA DRIVE
104+90 - 139+71	LT/RT	--	1,500	PATH/SIDEWALK
104+90 - 139+71		--	1,000	TRAFFIC CONTROL
115+05 - 116+45	RT	--	100	GRAVEL DRIVEWAY
SUBTOTAL	6767-01-71	--	17,400	
139+71 - 164+24	CL	--	6,000	MAINLINE ROADWAY
139+71 - 164+24	LT/RT	340	--	SHOULDERS
139+71 - 164+24	LT/RT	--	130	SIDEWALK
139+71 - 164+24	LT	--	500	TRUCKING ROUTE
SUBTOTAL	6767-02-71	340	6,630	
	TOTALS	**340**	**24,030**	

CONCRETE PAVEMENT ITEMS

STATION - STATION	LOCATION	415.0100 CONCRETE PAVEMENT 10-INCH SY	415.1100 CONCRETE PAVEMENT HES 10-INCH SY	602.0810 CONCRETE DRIVEWAY 6-INCH SY	415.0210 CONCRETE PAVEMENT GAPS EACH	416.0610 DRILLED TIE BARS EACH	416.0620 DRILLED DOWEL BARS EACH	COMMENTS
CATEGORY CODE 0010								
104+90 - 139+71	CL	24,875	825	--	5	100	50	ROADWAY
104+90 - 139+71	CL	--	--	1,050	--	--	--	DRIVEWAY
SUBTOTAL	6767-01-71	24,875	825	1,050	5	100	50	
139+71 - 164+24	CL	15,150	1,750	--	--	600	50	ROADWAY
SUBTOTAL	6767-02-71	15,150	1,750	--	--	600	50	
TOTALS		**40,025**	**2,575**	**1,050**	**5**	**700**	**100**	

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PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS

STATION - STATION	LOCATION	211.0400 STA
CATEGORY CODE 0010		
139+71 - 164+24	LT & RT	50
SUBTOTAL	6767-02-71	50
	TOTALS	**50**

RIPRAP AND GEOTEXTILE FABRIC ITEMS

STATION	LOCATION	606.0200 RIPRAP MEDIUM CY	645.0120 GEOTEXTILE FABRIC TYPE HR SY
CATEGORY CODE 0010			
104+90 - 139+71	RT	75	150
SUBTOTAL	6767-01-71	75	150
155+10	LT	10	20
SUBTOTAL	6767-02-71	10	20
	TOTALS	**85**	**170**

ASPHALTIC ITEMS

STATION - STATION	LOCATION	455.0605 TACK COAT GAL	460.6224 HMA PAVEMENT 4 MT 58-28 S TON	465.0105 ASPHALTIC SURFACE TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	465.0315 ASPHALTIC FLUMES SY	465.0125 ASPHALTIC SURFACE TEMPORARY TON	450.4000 HMA COLD WEATHER PAVING TON	465.0110 ASPHALTIC SURFACE PATCHING TON	COMMENTS
CATEGORY CODE 0010										
104+90 - 139+71	LT & RT	25	320	--	--	--	--	80	--	SIDEROADS
104+90 - 139+71	LT & RT	5	--	70	--	--	--	--	--	MEDIAN
104+90 - 139+71	LT & RT	170	1,530	--	--	--	--	--	--	TWLTL/TURN LANES
104+90 - 139+71	RT	50	--	500	--	--	--	--	--	PATH
104+90 - 139+71	LT & RT	--	--	--	60	--	--	15	--	DRIVEWAYS
104+90 - 139+71	LT & RT	--	--	--	--	--	255	--	100	TRAFFIC CONTROL
114+51	LT	--	--	--	--	5	--	--	--	FLUME
121+71	RT	--	--	--	--	5	--	--	--	FLUME
122+36	RT	--	--	--	--	5	--	--	--	FLUME
122+45	LT	--	--	--	--	5	--	--	--	FLUME
129+32	LT	--	--	--	--	5	--	--	--	FLUME
130+01	LT	--	--	--	--	5	--	--	--	FLUME
132+42	RT	--	--	--	--	5	--	--	--	FLUME
132+97	RT	--	--	--	--	5	--	--	--	FLUME
134+10	LT	--	--	--	--	5	--	--	--	FLUME
134+75	LT	--	--	--	--	5	--	--	--	FLUME
SUBTOTAL	6767-01-71	250	1,850	570	60	50	255	95	100	
139+71 - 164+24	LT & RT	350	1,650	--	--	--	--	--	5	PROJECT
151+89	RT	--	--	--	--	5	--	--	--	FLUME
SUBTOTAL	6767-02-71	350	1,650	--	--	5	--	--	5	
	TOTALS	**600**	**3,500**	**570**	**60**	**55**	**255**	**95**	**105**	

MISC. SHEET 2

CONCRETE SAFETY ISLANDS

STATION	LOCATION	602.2400 CONCRETE SAFETY ISLANDS SF	620.0100 CONCRETE CORREGATED MEDIAN SF	620.0300 CONCRETE MEDIAN SLOPED NOSE SF
CATEGORY CODE 0010				
104+90 - 139+71	PROJECT	5,150	600	275
SUBTOTAL	6767-01-71	5,150	600	275
TOTALS		**5,150**	**600**	**275**

STORM SEWER ITEMS

LOCATION	608.0415 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	608.3615 STORM SEWER PIPE CLASS III-B 15-INCH LF	608.3624 STORM SEWER PIPE CLASS III-B 24-INCH LF
CATEGORY CODE 0010				
AEW 3B - MH03	--	--	--	68
MH 04 - OUTLET	--	--	--	75
INL2A - MH02	--	--	72	--
INL2B - MH02	--	--	15	--
INL2C - INL2B	--	--	89	--
INL3A - MH03	71	--	--	--
INL4A - MH04	--	--	73	--
INL5A - MH05	--	--	80	--
INL5B - MH05	--	--	14	--
INL5C - INL5A	--	--	9	--
INL6A - INL6B	--	--	69	--
INL6B - MH06	--	--	33	--
INL6C - MH06	--	--	13	--
INL7A - MH07	74	--	--	--
INL8A - MH08	72	--	--	--
INL8B - INL8A	135	--	--	--
INL8C - MH08	--	--	16	--
INL10A - MH10	--	--	26	--
INL10B - INL10A	--	--	18	--
INL10C - INL10B	--	--	27	--
INL XA - EXISTING MH	8	--	--	--
INL XB - EXISTING MH	8	--	--	--
MH01 - EXISTING MH	--	18	--	--
MH02 - MH01	--	296	--	--
MH03 - MH02	--	444	--	--
MH05 - MH04	--	293	--	--
MH06 - MH05	--	407	--	--
MH07 - MH06	--	300	--	--
MH08 - MH07	--	700	--	--
MH10 - MH08	--	337	--	--
MH11 - MH10	--	--	--	265
MH12 - MH11	--	--	--	72
SUBTOTAL 6767-01-71	368	2,795	554	480
TOTALS	**368**	**2,795**	**554**	**480**

CONCRETE CURB AND GUTTER ITEMS

STATION - STATION	LOCATION	601.0409 CONCRETE CURB & GUTTER 30-INCH TYPE A LF	601.0411 CONCRETE CURB & 30-INCH TYPE D LF	601.0405 CONCRETE CURB & 18-INCH TYPE A LF	601.0600 CONCRETE CURB & PEDESTRIAN LF	601.0557 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
CATEGORY CODE 0010						
104+90 - 139+71	LT&RT	10,860	--	--	--	--
106+00 - 106+25	RT	--	--	--	25	--
109+24	RT	--	--	45	--	--
109+95 - 110+70	RT	--	--	--	75	--
121+40	LT	--	--	--	10	--
139+91 - 140+56	RT	--	--	--	--	75
	UNDISTRIBUTED	--	--	--	40	--
SUBTOTAL	6767-01-71	10,860	--	45	150	75
139+71 - 164+24	LT/RT	--	270	2,770	--	--
147+50	LT	--	--	95	--	--
SUBTOTAL	6767-02-71	--	270	2,865	--	--
TOTALS		**10,860**	**270**	**2,910**	**150**	**75**

WATER

STATION - STATION	LOCATION	624.0100 MGAL	COMMENTS
104+90 - 139+71	PROJECT	70	DUST CONTROL
104+90 - 139+71	PROJECT	175	COMPACTION
SUBTOTAL	6767-01-71	245	
139+71 - 164+24	PROJECT	30	DUST CONTROL
139+71 - 164+24	PROJECT	70	COMPACTION
SUBTOTAL	6767-02-71	100	
TOTAL		**345**	

CONCRETE SIDEWALK ITEMS

STATION - STATION	LOCATION	405.1000 STAMPING COLORED CONRETE CY	602.0405 CONCRETE SIDEWALK 4-INCH SF	602.0415 CONCRETE SIDEWALK 6-INCH SF	602.0515 CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA SF	602.0615 CURB RAMP DETECTABLE WARNING FIELD RADIAL NATURAL PATINA SF
CATEGORY CODE 0030						
104+90 - 139+71	LT & RT	--	250	850	146	63
SUBTOTAL	6767-01-71		250	850	146	63
139+71 - 164+24	LT & RT	100	2,800	475	54	26
SUBTOTAL	6767-02-71	100	2,800	475	54	26
TOTALS		**100**	**3,050**	**1,325**	**200**	**89**

MISC. SHEET 3

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	MISCELLANEOUS QUANTITIES	SHEET: 173	E

FILE NAME : 030201_mq.ppt PLOT DATE : PLOT BY : gaddk PLOT NAME : PLOT SCALE : 1:1

STORM SEWER STRUCTURES

STRUCTURE	LOCATION	OFFSET	520.1024 APRON ENDWALLS FOR CULVERT PIPE 24-INCH EACH	611.0420 RECONSTRUCTING MANHOLES EACH	611.1230 CATCH BASINS 2X3-FT EACH	611.2004 MANHOLES 4-FT DIA EACH	611.3004 INLETS 4-FT DIA EACH	611.3230 INLETS 2X3-FT EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	611.0530 MH COVERS TYPE J EACH	611.0624 INLET COVERS TYPE H EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0642 INLET COVERS TYPE MS EACH	611.8115 ADJUSTING INLET COVERS EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH	611.9850.S PIPE GRATE 24-INCH EACH	611.8110 ADJUSTING MANHOLE COVERS EACH
CATEGORY CODE 0010																	
EXISITNG	107+60	53.0', RT	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--
EXISITNG	107+70	68.0', LT	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--
EXISITNG	107+95	53.0', RT	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--
EXISITNG	108+03	65.0', LT	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--
EXISITNG	108+30	54.0', LT	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--
EXISITNG	108+70	33.0', RT	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--
AEW 3B	115+98.71	92.00', RT	1	--	--	--	--	--	--	--	--	--	--	--	1	1	--
INL 2A	111+79.14	43.50', LT	--	--	1	--	--	--	--	--	1	--	--	--	1	--	--
INL 2B	111+55.52	37.00', RT	--	--	--	--	--	--	1	--	--	--	1	--	1	--	--
INL 2C	112+44.26	37.00', RT	--	--	--	--	--	--	1	--	--	--	1	--	1	--	--
INL 3A	116+00.70	46.39', LT	--	--	1	--	--	--	--	--	--	1	--	--	1	--	--
INL 4A	117+00.74	48.74', LT	--	--	--	--	--	1	--	--	1	--	--	--	1	--	--
INL 5A	119+94.04	55.50', LT	--	--	--	--	--	1	--	--	1	--	--	--	1	--	--
INL 5B	119+92.64	37.50', RT	--	--	--	--	--	1	--	--	1	--	--	--	1	--	--
INL 5C	119+94.17	64.16', LT	--	--	--	--	--	--	1	--	--	--	1	--	1	--	--
INL 6A	123+64.03	67.50', LT	--	--	--	--	--	1	--	--	--	1	--	--	1	--	--
INL 6B	124+00.45	8.5' LT	--	--	--	--	--	1	--	--	--	1	--	--	1	--	--
INL 6C	123+99.86	37' RT	--	--	--	--	--	--	1	--	--	--	1	--	1	--	--
INL 7A	127+00.74	49.43', LT	--	--	--	--	--	1	--	--	1	--	--	--	1	--	--
INL 8A	133+75.87	43.50', LT	--	--	--	--	--	1	--	--	--	1	--	--	1	--	--
INL 8B	135+11.27	43.68', LT	--	--	--	--	--	1	--	--	1	--	--	--	1	--	--
INL 8C	133+98.76	41.00', RT	--	--	--	--	--	--	1	--	--	--	1	--	1	--	--
INL 10A	137+36.34	1.5', LT	--	--	--	--	--	1	--	--	1	--	--	--	1	--	--
INL 10B	137+36.34	19.44', LT	--	--	--	--	--	1	--	--	1	--	--	--	1	--	--
INL 10C	137+36.34	46.44', LT	--	--	--	--	--	1	--	--	1	--	--	--	1	--	--
INL XA	106+02.40	43.50', LT	--	--	1	--	--	--	--	--	--	1	--	--	1	--	--
INL XB	106+06.31	25.50', RT	--	--	1	--	--	--	--	--	--	1	--	--	1	--	--
MH 01	108+60.01	24.50', RT	--	--	--	--	1	--	--	--	1	--		--	1	--	--
MH 02	111+55.52	24.50', RT	--	--	--	--	1	--	--	--	1	--	--	--	1	--	--
MH 03	115+99.62	24.50', RT	--	--	--	--	1	--	--	--	--	1	--	--	1	--	--
MH 04	116+99.65	24.50', RT	--	--	--	--	1	--	--	--	1	--	--	--	1	--	--
MH 05	119+92.84	24.00', RT	--	--	--	1	--	--	--	1	--	--	--	--	1	--	--
MH 06	123+99.99	24.50', RT	--	--	--	--	1	--	--	--	--	1	--	--	1	--	--
MH 07	126+99.62	24.50', RT	--	--	--	--	1	--	--	--	1	--	--	--	1	--	--
MH 08	133+99.23	24.50', RT	--	--	--	--	1	--	--	--	--	1	--	--	1	--	--
MH 09	108+00.89	30.96', LT	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--
MH 10	137+36.34	24.50', RT	--	--	--	1	--	--	--	1	--	--	--	--	1	--	--
MH 11	140+01.54	25.30', RT	--	--	--	1	--	--	--	1	--	--	--	--	1	--	--
MH 12	140+61.80	60.04' RT	--	--	--	1	--	--	--	1	--	--	--	--	1	--	--
	UNDISTRIBUTED	PROJECT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1
SUBTOTAL	6767-01-71		1	1	4	4	7	11	5	4	13	9	5	6	32	1	1
		TOTALS	**1**	**1**	**4**	**4**	**7**	**11**	**5**	**4**	**13**	**9**	**5**	**6**	**32**	**1**	**1**

SILT FENCE ITEMS

STATION - STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 MAINTENANCE LF	COMMENTS
CATEGORY CODE 0010				
115+00	RT	550	225	RETENTION POND
140+90 - 139+71	LT & RT	150	75	UNDISTRIBUTED
SUBTOTAL	6767-01-71	700	300	
	TOTALS	**700**	**300**	

DITCH CHECK ITEMS

STATION	LOCATION	628.7504 TEMPORARY DITCH CHECK LF	628.7555 CULVERT PIPE CHECKS EACH
CATEGORY CODE 0010			
104+90 - 139+71	LT/RT	50	6
SUBTOTAL	6767-01-71	50	6
	TOTAL	**50**	**6**

MISC. SHEET 4

3

EROSION CONTROL ITEMS

STATION - STATION	LOCATION	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH	628.7560 TRACKING PAD EACH
104+90 - 139+71	PROJECT	2	4	2
SUBTOTAL	6767-01-71	2	4	2
139+71 - 164+24	PROJECT	1	1	--
SUBTOTAL	6767-02-71	1	1	--
TOTALS		**3**	**5**	**2**

INSULATION BOARD POLYSTYRENE

STATION	LOCATION	612.0902.S 2-INCH SY	COMMENTS
CATEGORY CODE 0010			
111+56	RT	3.5	INL2B - MH02
116+00	RT	3.5	AEW3B - MH03
116+95	RT	3.5	MH04 - OUTLET
119+93	RT	3.5	INL5B - MH05
124+00	RT	3.5	INL6C - MH06
133+99	RT	3.5	INL8C - MH08
140+34	RT	3.5	MH12 - MH11
SUBTOTAL	6767-01-71	24.5	
TOTAL		**24.5**	

TEMPORARY PEDESTRIAN ITEMS

LOCATION	LOCATION	644.1410 TEMPORARY PEDESTRIAN SURFACE ASPHALT SF	644.1430 TEMPORARY PEDESTRIAN SURFACE PLATE SF	644.1601 TEMPORARY PEDESTRIAN CURB RAMP DAY	644.1810 TEMPORARY PEDESTRIAN BARRICADE LF
CATEGORY CODE 0010					
139+71 - 164+24	PROJECT	1,340	50	66	1,640
SUBTOTAL	6767-02-71	1,340	50	66	1,640
TOTALS		**1,340**	**50**	**66**	**1,640**

LANDSCAPING ITEMS

STATION - STATION	LOCATION	625.0100 TOPSOIL SY	628.2006 EROSION MAT URBAN CLASS I TYPE A SY	629.0210 FERTILIZER TYPE B CWT	630.0140 SEED MIX NO. 40 LBS	630.0500 SEED WATER MGAL	630.0200 SEEDING TEMPORARY LBS	SPV.0030.01 FERTILIZER FOR LAWN TYPE TURF CWT	SPV.0180.02 PREPARING TOPSOIL FOR LAWN TYPE TURF SY
CATEGORY CODE 0010									
104+90 - 139+71	LT&RT	12,200	12,200	8.00	220	305	220	8.00	12,200
SUBTOTAL	6767-01-71	12,200	12,200	8.00	220	305	220	8.00	12,200
1039+71 - 164+24	LT&RT	140	140	0.20	50	50	50	0.20	140
SUBTOTAL	6767-02-71	140	140	0.20	50	50	50	0.20	140
TOTALS		**12,340**	**12,340**	**8.20**	**270**	**355**	**270**	**8.20**	**12,340**

INLET PROTECTION ITEMS

STATION	LOCATION	628.7005 TYPE A EACH	628.7010 TYPE B EACH	628.7015 TYPE C EACH	628.7020 TYPE D EACH
CATEGORY CODE 0010					
104+80	LT	--	--	1	--
104+80	RT	--	--	1	--
106+06	RT	1	--	--	1
106+06	LT	1	--	--	1
107+60	RT	1	--	1	--
107+67	LT	1	--	1	--
107+95	RT	1	--	1	--
108+05	LT	1	--	1	--
108+60	RT	1	--	1	--
111+56	RT	1	1	1	--
111+79	LT	1	--	1	--
112+44	RT	--	1	--	--
116+00	RT	1	--	--	1
116+01	LT	1	--	--	1
117+00	RT	1	--	1	--
117+01	LT	1	--	1	--
119+93	RT	1	--	1	--
119+94	LT	1	1	1	--
123+64	LT	1	--	--	1
124+00	LT	1	--	--	1
124+00	RT	1	1	--	1
127+00	RT	1	--	1	--
127+01	LT	1	--	1	--
133+76	LT	1	--	1	--
133+99	RT	1	1	1	--
135+11	LT	1	--	1	--
137+36	LT	3	--	3	--
137+36	RT	1	--	1	--
SUBTOTAL	6767-01-71	27	5	22	7
141+75	LT	--	--	1	--
142+54	LT	--	--	1	--
148+54	LT	--	--	1	--
151+85	LT	--	--	1	--
155+21	LT	--	--	1	--
155+55	LT				
SUBTOTAL	6767-02-71	--	--	5	--
SUBTOTALS		**27**	**5**	**27**	**7**

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MISC. SHEET 5

PERMANENT SIGNING

SIGN NUMBER	STATION	LOCATION	SIGN CODE	DESCRIPTION	SIZE	637.2210 SIGNS TYPE II REFLECTIVE H S.F.	637.2230 SIGNS TYPE II REFLECTIVE F S.F.	634.0614 POSTS WOOD 4X6X14 EACH	634.0618 POSTS WOOD 4X6X18 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.2101 MOVING SIGNS TYPE II EACH
CATEGORY CODE 0010											
1.02	106+00	RIGHT	R7-1D	NO PARKING ANYTIME	18X24"	3.00	--	--	1	--	--
1.03	106+55	LEFT	W3-3	SIGNAL AHEAD	36"X36"		9.00	--	1	--	--
--	--	--	R7-1D	NO PARKING ANYTIME	18"X24"	3.00	--	--	--	--	--
1.04	107+50	LEFT	R1-1	STOP SIGN	30"X30"	5.18	--	1	--	--	--
1.05	108+25	RIGHT	R1-1	STOP SIGN	30"X30"	5.18	--	1	--	--	--
1.06	109+00	LEFT	M1-5A	COUNTY MARKER	24"X24"	4.00	--	--	2	--	--
--	--	--	M1-4	US ROUTE MARKER	24"X24"	4.00	--	--	--	--	--
--	--	--	M1-6	STATE ROUTE MARKER	24"X24"	4.00	--	--	--	--	--
--	--	--	M4-6	END	24"X12"	2.00	--	--	--	--	--
--	--	--	M4-3	BUSINESS ROUTE MARKER	24"X12"	2.00	--	--	--	--	--
--	--	--	M2-1	JUNCTION MARKER	21"X15"	2.19	--	--	--	--	--
--	--	--	M2-1	JUNCTION MARKER	21"X15"	2.18	--	--	--	--	--
1.07	109+75	RIGHT	R7-1D	NO PARKING ANYTIME	18"X24"	3.00	--	--	1	--	--
1.08	110+00	RIGHT	R2-1	SPEED LIMIT	24"X30"	5.00	--	1	--	--	--
2.01	110+50	LEFT	R7-1D	NO PARKING ANYTIME	18"X24"	3.00	--	--	1	--	--
2.02	111+00	LEFT	R1-1	STOP SIGN	30"X30"	5.18	--	1	--	--	--
2.03	111+50	RIGHT	R1-1	STOP SIGN	30"X30"	5.18	--	1	--	--	--
2.04	112+75	RIGHT	R7-1D	NO PARKING ANYTIME	18"X24"	3.00	--	--	1	--	--
2.05	113+25	RIGHT	R2-1	SPEED LIMIT	24"X30"	5.00	--	1	--	--	--
2.06	113+25	LEFT	R7-1D	NO PARKING ANYTIME	18"X24"	3.00	--	--	1	--	--
2.07	114+50	LEFT	R1-1	STOP SIGN	30"X30"	5.18	--	1	--	--	--
2.08	113+00	RIGHT	R2-1	SPEED LIMIT	--		--	--	--	1	--
2.09	113+40	LEFT	R3-50L	LEFT ONLY	30"X36"	7.50	--	--	1	--	--
--	--	--	R3-50A	STRAIGHT ONLY	30"X36"	7.50	--	--	--	--	--
--	--	--	R3-60R	AHEAD AND RIGHT ARROWS	30"X36"	7.50	--	--	--	--	--
3.01	116+00	RIGHT	W3-3	SIGNAL AHEAD	36"X36"		9.00	--	1	--	--
3.02	117+25	RIGHT	I55-56	ADOPT-A-HIGHWAY	30"X18"	3.75	--	1	--	--	--
3.03	117+80	LEFT	R7-1D	NO PARKING ANYTIME	18"X24"	3.00	--	--	1	--	--
3.04	119+20	LEFT	R3-20L	BEGIN LEFT TURN LANE	24"X36"	6.00	--	1	--	--	--
4.01	121+65	RIGHT	R14-1	TRUCK ROUTE	24"X18"	3.00	--	1	--	--	--
4.02	121+75	LEFT	R1-1	STOP SIGN	--		--	--	--	1	--
4.03	122+40	RIGHT	R1-1	STOP SIGN	--		--	--	--	1	--
4.04	124+85	RIGHT	W12-1D	DOUBLE DOWN ARROWS	24"X24"	4.00	--	1	--	--	--
4.05	119+80	LEFT	W12-1D	DOUBLE DOWN ARROWS	24"X24"	4.00	--	1	--	--	--
5.01	125+75	RIGHT	R3-20LL	BEGIN LEFT TURN LANE	24"X36"	6.00	--	1	--	--	--
5.02	127+25	RIGHT	R7-1D	NO PARKING ANYTIME	18"X24"	3.00	--	--	1	--	--
5.03	127+90	LEFT	W3-3	SIGNAL AHEAD	36"X36"		9.00	--	1	--	--
5.04	128+25	LEFT	R7-1D	NO PARKING ANYTIME	18"X24"	3.00	--	--	1	--	--
5.05	129+20	LEFT	R1-1	STOP SIGN	30"X30"	5.18	--	1	--	--	--
6.01	132+50	LEFT	R7-1D	NO PARKING ANYTIME	18"X24"	3.00	--	--	1	--	--
6.02	133+.20	RIGHT	R1-1	STOP SIGN	30"X30"	5.18	--	1	--	--	--
6.03	134+00	LEFT	R1-1	STOP SIGN	30"X30"	5.18	--	1	--	--	--
6.04	134+60	RIGHT	R7-1D	NO PARKING ANYTIME	18"X24"	3.00	--	--	1	--	--
7.01	135+65	CENTER	W3-3	SIGNAL AHEAD	--		--	--	--	1	--
7.02	135+80	CENTER	R4-7	KEEP RIGHT	--		--	--	--	1	--
7.03	135+85	RIGHT	W3-3	SIGNAL AHEAD	36"X36"		9.00	--	1	--	--
7.04	136+40	CENTER	R4-7	KEEP RIGHT	--		--	--	--	1	--
7.05	136+50	RIGHT	R1-1	STOP SIGN	30"X30"	5.18	--	1	--	--	--
7.06	136+90	LEFT	R1-1	STOP SIGN	--		--	1	--	1	--
7.07	138+00	CENTER	R3-20L	BEGIN LEFT TURN LANE	24"X36"	6.00	--	1	--	--	--
7.08	138+50	LEFT	R2-1	SPEED LIMIT	24"X30"	5.00	--	1	--	--	--
7.09	138+60	LEFT	R2-1	SPEED LIMIT	--		--	--	--	1	--
7.10	139+15	LEFT	W12-1D	DOUBLE DOWN ARROWS	24"X24"	4.00	--	1	--	--	--
12.01	170+00	LEFT	R2-1	SPEED LIMIT	24"X30"	5.00	--	1	--	--	--
				UNDISTRIBUTED		--	--	--	--	27.00	--
				SUBTOTAL	6767-01-71	179.24	36.00	22.00	17.00	35.00	0.00
				UNDISTRIBUTED		--	--	10	--	--	10
				SUBTOTAL	6767-02-71	--	--	10.00	--	--	10.00
				TOTALS		**179.24**	**36.00**	**32.00**	**17.00**	**35.00**	**10.00**

MISC. SHEET 6

PAVEMENT MARKING

LOCATION	OFFSET	646.1020 MARKING LINE EPOXY 4-INCH LF	646.3020 MARKING LINE EPOXY 8-INCH LF	646.5020 MARKING ARROW EPOXY EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	646.8120 MARKING CURB EPOXY LF	646.8220 MARKING ISLAND NOSE EPOXY EACH	646.9000 MARKING LINE REMOVAL 4-INCH LF	643.3150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH LF	643.3105 TEMPORARY MARKING LINE PAINT 4-INCH LF	643.3250 TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH LF	643.3205 TEMPORARY MARKING LINE PAINT 8-INCH LF	646.6464 COLD WEATHER MARKING EPOXY 4-INCH LF	646.6468 COLD WEATHER MARKING EPOXY 8-INCH LF
CATEGORY CODE 0010															
104+90 - 139+71	LT/RT/CL	6500	2000	33	100	600	100	9	8,500	500	24500	100	800	6500	2000
SUBTOTAL	6767-01-71	6500	2000	33	100	600	100	9	8,500	500	24500	100	800	6500	2000
139+71 - 164+24	LT/RT/CL	8000	2400	15	350	1200	--	--	--	500	--	200	--	8000	2400
SUBTOTAL	6767-02-71	8000	2400	15	350	1200	--	--	--	500	--	200	--	8000	2400
	TOTALS	**14500**	**4400**	**48**	**450**	**1800**	**100**	**9**	**8,500**	**1000**	**24500**	**300**	**800**	**14500**	**4400**

DIVISION	FROM/TO STATION	LOCATION	205.0100 COMMON EXCAVATION (1) CUT (2)	205.0100 COMMON EXCAVATION (1) EBS EXCAVATION (3)	SALVAGED/UNUSABLE PAVEMENT MATERIAL (4)	AVAILABLE MATERIAL (5)	UNEXPANDED FILL	EXPANDED FILL (13) FACTOR 1.25	MASS ORDINATE +/- (14)	WASTE	COMMENT
6767-01-71 ROADWAY	104+90 - 139+71	PROJECT	21,480	0	4,550	16,930	1,165	1,456	15,474	15,474	
STORMWATERMANAGMENT AREA	115+75 - 116+75	RT	3,040	0	0	3,040	0	0	3,040	3,040	
MECCA DRIVE SOUTH	201+88 - 203+50	CL	218	0	106	218	7	9	209	209	
MECCA DRIVE NORTH	205 - 206+80	CL	142	0	111	142	17	21	121	121	
6767-02-71 ROADWAY	137+71 - 164+24	PROJECT	7,350	0	3,528	3,822	0	0	3,822	3,822	
SUBTOTALS	6767-01-71		24,880	0	4,767	20,330	1,189	1,486	18,844	18,844	
SUBTOTALS	6767-02-71		7,350	0	3,528	3,822	0	0	3,822	3,822	
PROJECT TOTAL			32,230	0	8,295	24,152	1,189	1,486	22,666	22,666	
TOTAL COMMON EXC			32,230								

NOTES:

(1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100

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

(4) SALVAGED/UNUSABLE PAVEMENT MATERIAL

5) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUABLE PAVEMENT MATERIAL

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

(14) 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.

(15) FACTORS USED TO COMPUTE ANTICIPATED WASTE AND THE COMPUTED WASTE VOLUME IDENTIFIED ARE FOR GENERAL INFORMATION ONLY.

MISC. SHEET 7

TRAFFIC CONTROL ITEMS

LOCATION	STAGE	643.0300 DRUMS DAYS	643.0410 BARRICADES TYPE II DAYS	643.0420 BARRICADES TYPE III DAYS	643.0500 FLEXIBLE TUBULAR MARKER POSTS EACH	643.0600 FLEXIBLE TUBULAR MARKER BASES EACH	643.0705 WARNING LIGHTS TYPE A DAYS	643.0715 WARNING LIGHTS TYPE C DAYS	643.0800 ARROW BOARDS DAYS	643.0900 SIGNS DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	643.1070 CONES 42-INCH DAYS	643.5000 TRAFFIC CONTROL EACH
CATEGORY CODE 0010													
104+90 - 139+71	1	7,035	--	525	--	--	700	705	30	1,500	37	--	--
104+90 - 139+71	2	7,035	--	465	--	--	620	400	30	1,300	30	--	--
104+90 - 139+71	3A	--	--	90	--	--	120	--	--	150	--	--	--
104+90 - 139+71	3	29,275	--	1,765	--	--	2,350	2,000	255	6,000	85	--	--
104+90 - 139+71	4	9,916	--	2,800	100	100	3,725	1,735	74	5,300	74	18,500	--
104+90 - 139+71	PEDESTRIAN	--	--	--	--	--	--	--	--	--	--	--	--
104+90 - 139+71	DETOUR	--	--	--	--	--	--	--	--	7,520	--	--	--
104+90 - 139+71	UNDISTRIBUTED	1,000	--	155	--	--	285	160	--	730	--	1,500	.67
SUBTOTAL	6767-01-71	54,261	--	5,800	100	100	7,800	5,000	389	22,500	226	20,000	.67
139+71 - 164+24	1	3,465	--	525	--	--	700	345	30	750	--	--	--
139+71 - 164+24	2	4,665	--	555	--	--	740	200	30	650	30	--	--
139+71 - 164+24	3A	--	--	190	--	--	250	--	--	300	--	--	--
139+71 - 164+24	3	14,025	--	870	--	--	1,160	975	85	1,500	85	--	--
139+71 - 164+24	4	4,884	--	1,325	--	--	1,765	855	74	1,000	74	--	--
139+71 - 164+24	PEDESTRIAN	--	388	--	--	--	--	--	--	342	--	--	--
139+71 - 164+24	DETOUR	--	--	--	--	--	--	--	--	5,560	--	--	--
139+71 - 164+24	UNDISTRIBUTED	1,000	--	135	--	--	185	125	--	440	--	--	.33
SUBTOTAL	6767-02-71	28,039	388	3,600	--	--	4,800	2,500	219	10,542	189	--	.33
TOTALS		**82,300**	**388**	**9,400**	**100**	**100**	**12,600**	**7,500**	**608**	**33,042**	**415**	**20,000**	**1**

TRAFFIC CONTROL COVERING SIGNS

SIGN	LOCATION	643.0910 TYPE I EACH	643.0920 TYPE II EACH	COMMENTS
CATEGORY CODE 0010				
CTH B	STH 54 NB, CTH INTERSECTION	--	1	1 CYCLE
PLOVER	IH 39 SB, EXIT 153	1	--	1 CYCLE
WIS RAPIDS	IH 39 SB, EXIT 153	1	--	1 CYCLE
SUBTOTAL	6767-01-71	2	1	
	TOTALS	**2**	**1**	

LANDMARK REFERENCE MONUMENTS

STATION	LOCATION	621.0100 LANDMARK REFERENCE MONUMENTS EACH	SPV.0060.14 REESTABLISH SECTION CORNER MONUMENTS EACH
CATEGORY CODE 0010			
141+19	LT	4	1
114+98	LT	4	1
SUBTOTAL	6767-01-71	8	2
	TOTALS	**8**	**2**

MISC. SHEET 8

3

SAWING ITEMS

STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF	COMMENTS
CATEGORY CODE 0010				
104+90		--	85	BEGIN PROJECT
105+50	RT	--	57	DRIVEWAY
106+82	RT	--	25	DRIVEWAY
107+75	LT	--	38	MADISON AVE NORTH
107+75	RT	--	35	MADISON AVE SOUTH
108+85	LT	116	--	DRIVEWAY
109+28	RT	38	--	DRIVEWAY
111+13	RT	22	--	WASHINGTON AVE SOUTH
111+24	LT	31	--	WASHINGTON AVE NORTH
112+20	RT	41	--	DRIVEWAY
112+58	LT	23	--	DRIVEWAY
113+84	LT	161	--	DRIVEWAY
113+84	RT	34	--	DRIVEWAY
114+80	LT	29	--	SOUTH DRIVE
118+50	LT	72	--	PARKING LOT
121+74	LT	28	--	DRIVEWAY
122+09	LT	43	--	MECCA DRIVE NORTH LIMIT
121+72	RT	28	--	DRIVEWAY
122+46	RT	30	--	DRIVEWAY
122+05	RT	35	--	MECCA DRIVE SOUTH LIMIT
127+88	RT	22	--	DRIVEWAY
129+55	RT	28	--	DRIVEWAY
129+61	LT	64	--	DRIVEWAY
132+75	RT	33	--	IBER LANE LIMIT
136+23	RT	27	--	DRIVEWAY
136+30	LT	95	--	DRIVEWAY
UNDISTRIBUTED		100	60	
SUBTOTAL	6767-01-71	1,100	300	
140+94	RT	25	--	HOOVER AVE
141+05	LT	36	--	HOOVER AVE
141+33	RT	36	--	HOOVER AVE
141+45	RT	24	--	HOOVER AVE
147+48	LT	111	--	DRIVEWAY
147+53	RT	113	--	MENARDS DRIVE
154+64	RT	177	--	VILLAGE PARK DRIVE
154+67	LT	150	--	DRIVEWAY
164+24	RT	38	--	END PROJECT
164+36	LT	35	--	END PROJECT
139+71 - 164+24	LT/RT	--	4,200	MISCELLANEOUS CUTS
SUBTOTAL	6767-02-71	745	4,200	
TOTALS		**1,845**	**4,500**	

CONSTRUCTION STAKING ITEMS

STATION - STATION	LOCATION	650.4500 SUBGRADE LF	650.5000 BASE LF	650.5500 CURB & GUTTER LF	650.7000 CONCRETE PAVEMENT LF	650.9000 CURB RAMPS EACH	650.9500 SIDEWALK EACH	650.9911 SUPPLEMENTAL CONTROL EACH
CATEGORY CODE 0010								
104+90 - 139+71	PROJECT	3,481	350	--	3,481	13	1	1
SUBTOTAL	6767-01-71	3,481	350	--	3,481	13	1	1
139+71 - 164+24	PROJECT	2,453	--	270	2,453	8	1	1
SUBTOTAL	6767-02-71	2,453	--	270	2,453	8	1	1
TOTALS		**5,934**	**350**	**270**	**5,934**	**21**	**2**	**2**

SPECIALS

STATION - STATION	LOCATION	SPV.0060.11 ADJUSTING WATERMAIN VALVE BOX EACH	SPV.0060.12 RELOCATING HYDRANT EACH	SPV.0060.13 ADJUSTING SANITARY MANHOLE EACH	204.9090.S REMOVING WATERMAIN LF	SPV.0090.03 WATERMAIN 12-INCH LF	SPV.0060.15 WATERMAIN BEND 45 DEGREE 12-INCH EACH
CATEGORY CODE 0020							
104+90 - 139+71	PROJECT	14	6	14	--	--	--
UNDISTRIBUTED	RT	--	--	--	75	75	12
SUBTOTAL	6767-01-71	14	6	14	75	75	12
TOTALS		**14**	**6**	**14**	**75**	**75**	**12**

SPECIALS

STATION - STATION	LOCATION	SPV.0060.09 SEDIMENT TRAP EACH	SPV.0060.10 TEMPORARY BLOCK STORM SEWER EACH	SPV.0090.01 CONCRETE CURB & GUTTER CURE & SEAL TREATMENT LF	SPV.0090.02 PVC PIPE 6-INCH LF	SPV.0165.01 CONCRETE CURE & SEAL TREATMENT SF	SPV.0180.01 INFILTRATION BASIN SOIL MIX SY
CATEGORY CODE 0010							
104+90 - 139+71	PROJECT	1	21	10800	20	9,900	960
SUBTOTAL	6767-01-71	1	21	10,800	20	9,900	960
139+71 - 164+24	PROJECT	--	--	2550	--	30,375	--
SUBTOTAL	6767-02-71	--	--	2,550	--	30,375	--
TOTALS		**1**	**21**	**13,350**	**20**	**40,275**	**960**

MISC. SHEET 9

TRAFFIC SIGNAL PULL BOXES

LOCATION / PULL BOX NUMBER	STATION	OFFSET	L/R	653.0154 PULL BOXES NON-CONDUCTIVE 24X36-INCH EACH	653.0164* PULL BOXES NON-CONDUCTIVE 24X42-INCH EACH
CTH B & MECCA DR					
PB1	121+27.0	41.4	RT	--	1
PB2	118+90.7	39.4	RT	1	--
PB3	121+27.1	4.8	LT	--	1
PB4	121+16.0	5.2	LT	1	--
PB5	121+27.5	24.8	LT	--	1
PB6	121+27.6	71.9	LT	--	1
PB7	121+74.1	86.2	LT	--	1
PB8	121+77.6	107.4	LT	1	--
PB9	122+67.4	84.4	LT	--	1
PB10	122+83.9	73.0	LT	--	1
PB11	125+21.6	59.2	LT	1	--
PB12	122+83.0	25.1	LT	--	1
PB13	122+93.0	25.1	LT	1	--
PB14	122+82.7	5.2	LT	--	1
PB15	122+82.2	36.5	RT	--	1
PB16	122+36.0	60.1	RT	--	1
PB17	122+34.8	75.9	RT	1	--
PB18	121+69.2	59.4	RT	--	1
INTERSECTION TOTAL				**6**	**12**
TOTAL				**6**	**12**

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE.

PEDESTRIAN PUSH BUTTONS

LOCATION / BASE NUMBER	SPV.0060.07 FURNISH & INSTALL APS SYSTEM EACH
CTH B & MECCA DR	1
INTERSECTION TOTAL	**1**
TOTAL	**1**

TRAFFIC SIGNAL HEADS

LOCATION	SIGNAL BASE NO.	HEAD NO.	658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	658.0416 PEDESTRIAN SIGNAL FACE 16-INCH EACH
CTH B & MECCA DR				
	SB1	11	1	--
		6A	--	1
	SB2	1	1	--
		4B	--	1
	SB3	12	1	--
	SB4	4	1	--
		8	1	--
	SB5	9	1	--
		4A	--	1
	SB6	14	1	--
		17	1	--
		2B	--	1
	SB7	15	1	--
		16	1	--
		2A	--	1
	SB8	5	1	--
		7	1	--
	SB9	6	1	--
	SB10	2	1	--
		10	1	--
	SB11	3	1	--
	SB12	13	1	--
		18	1	--
		6B	--	1
	SB13	19	1	--
		20	1	--
INTERSECTION TOTAL			**20**	**6**
TOTAL			**20**	**6**

TRAFFIC SIGNAL CONDUIT

LOCATION	FROM	-	TO	652.0225 * CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 * CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF
CTH B & MECCA DR					
	CB1	-	PB1	--	105
	PB1	-	SB2	16	--
	PB1	-	PB2	237	--
	PB1	-	PB3	--	94
	PB3	-	PB4	12	--
	PB3	-	SB3	16	--
	PB3	-	PB5	--	40
	PB5	-	SB4	5	--
	PB5	-	PB6	--	96
	PB6	-	SB5	16	--
	PB6	-	PB7	--	98
	PB7	-	PB8	22	--
	PB7	-	SB6	15	--
	PB7	-	PB9	--	188
	PB9	-	SB7	23	--
	PB9	-	PB10	--	42
	PB10	-	SB8	11	--
	PB10	-	PB11	239	--
	PB10	-	PB12	--	96
	PB12	-	PB13	10	--
	PB12	-	SB9	26	--
	PB12	-	PB14	--	20
	PB14	-	SB10	5	--
	PB14	-	PB15	--	84
	PB15	-	SB11	11	--
	PB15	-	PB16	--	104
	PB16	-	SB12	13	--
	PB16	-	PB17	16	--
	PB16	-	PB18	--	134
	PB18	-	SB13	14	--
	PB18	-	SB1	12	--
	PB18	-	CB1	--	36
INTERSECTION TOTAL				**719**	**1137**
TOTAL				**719**	**1,137**

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE.

TRAFFIC SIGNAL STRUCTURES

LOCATION / BASE NUMBER	STATION	OFFSET	L/R	654.0101 CONCRETE BASES TYPE 1 EACH	654.0102 CONCRETE BASES TYPE 2 EACH	657.0100 PEDESTAL BASES EACH	657.0255 * TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0305 POLES TYPE 2 EACH	657.0310 POLES TYPE 3 EACH	657.0420 TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FT EACH	657.0585 TROMBONE ARMS 15-FT EACH	657.0590 TROMBONE ARMS 20-FT EACH	657.0595 TROMBONE ARMS 25-FT EACH	657.0609 LUMINAIRE ARMS SINGLE MEMBER 4-INCH CLAMP 6-FT EACH	659.1115 * LUMINAIRES UTILITY LED A EACH
CTH B & MECCA DR															
SB1	121+60.3	52.5	RT	1	--	1	--	--	--	1	--	--	--	--	--
SB2	121+42.3	41.5	RT	1	--	1	--	--	--	1	--	--	--	--	--
SB3	121+42.6	5.3	LT	1	--	1	--	--	--	1	--	--	--	--	--
SB4	121+31.8	24.9	LT	--	1	--	1	1	--	--	1	--	--	--	--
SB5	121+42.8	74.3	LT	--	1	--	1	--	1	--	--	--	1	1	1
SB6	121+77.6	100.7	LT	1	--	1	--	--	--	1	--	--	--	--	--
SB7	122+51.8	100.5	LT	--	1	--	1	--	1	--	--	--	1	1	1
SB8	122+74.6	76.8	LT	1	--	1	--	--	--	1	--	--	--	--	--
SB9	122+57.1	25.1	LT	1	--	1	--	--	--	1	--	--	--	--	--
SB10	122+78.5	5.0	LT	--	1	--	1	1	--	--	1	--	--	--	--
SB11	122+71.9	39.1	RT	--	1	--	1	--	1	--	--	1	--	1	1
SB12	122+45.8	52.5	RT	1	--	1	--	--	--	1	--	--	--	--	--
SB13	121+72.8	72	RT	--	1	--	1	--	1	--	--	--	1	1	1
INTERSECTION TOTAL				**7**	**6**	**7**	**6**	**2**	**4**	**7**	**2**	**1**	**3**	**4**	**4**
TOTAL				**7**	**6**	**7**	**6**	**2**	**4**	**7**	**2**	**1**	**3**	**4**	**4**

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE.

TRAFFIC SIGNAL LOOP DETECTORS

LOCATION / LOOP NO.	STATION **	OFFSET	L/R	SIZE FT X FT	NO. OF TURNS	INSTALLATION METHOD	652.0800 CONDUIT LOOP DETECTOR LF	655.0800 LOOP DETECTOR WIRE LF	655.0700 * LOOP DETECTOR LEAD IN CABLE LF
CTH B & MECCA DR									
11	121+40.9	15.0		6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	70	222	92
12	121+12.9	15.0		6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	70	222	92
21	125+19.5	35.4		6 X 8	5	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	74	382	479
22	125+22.1	47.0		6 X 8	5	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	52	272	479
41	122+03.6	82.0		6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	102	318	218
42	121+91.6	82.8		6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	80	252	218
43	122+05.1	110.0		6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	102	318	218
44	121+93.2	111.6		6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	80	252	218
51	122+66.0	15.0		6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	74	234	202
52	122+94.1	15.0		6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	68	216	202
61	118+92.5	6.0		6 X 6	4	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	86	356	271
62	118+89.9	18.1		6 X 6	4	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	62	260	271
81	122+10.7	49.5		6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	98	306	95
82	122+22.6	49.7		6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	76	240	95
83	122+10.1	77.5		6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	98	306	95
84	122+21.9	78.9		6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	76	240	95
INTERSECTION TOTAL							**1268**	**4396**	**3340**
TOTAL							**1,268**	**4,396**	**3,340**

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE.

TRAFFIC SIGNAL CABLE AND WIRE - BELOW GROUND

LOCATION	FROM	-	TO	655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG LF	655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG LF	655.0305 CABLE TYPE UF 2-12 AWG GROUNDED LF	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG LF	655.0700 * LOOP DETECTOR LEAD IN CABLE LF
CTH B & MECCA DR								
	CB1	-	SB1	--	61	--	61	61
	CB1	-	SB2	88	--	--	88	88
	CB1	-	SB3	--	150	--	--	150
	CB1	-	SB4	--	173	--	--	--
	CB1	-	SB5	247	--	247	--	247
	CB1	-	SB6	--	310	--	--	310
	CB1	-	SB7	411	--	--	--	411
	CB1	-	SB8	--	363	--	--	--
	CB1	-	SB9	--	316	--	--	--
	CB1	-	SB10	--	260	--	--	--
	CB1	-	SB11	209	--	--	--	--
	CB1	-	SB12	--	144	--	--	144
	CB1	-	SB13	63	--	--	--	--
	SB2	-	SB3	--	--	--	123	--
	SB3	-	SB4	--	--	--	87	--
	SB4	-	SB5	--	--	--	113	--
	SB5	-	SB6	--	--	--	126	--
	SB6	-	SB7	--	--	--	177	--
	SB7	-	SB8	--	--	--	99	--
	SB8	-	SB9	--	--	--	130	--
	SB9	-	SB10	--	--	--	96	--
	SB10	-	SB11	--	--	--	103	--
	SB11	-	SB12	--	--	--	121	--
	SB12	-	SB13	--	--	--	139	--
	SB13	-	SB1	--	--	--	56	--
	SB5	-	SB7	--	--	280	--	--
	SB13	-	SB11	--	--	237	--	--
INTERSECTION TOTAL				**1018**	**1777**	**764**	**1519**	**1411**
TOTAL				**1,018**	**1,777**	**764**	**1,519**	**1,411**

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE / LEAD IN CABLE TO BE CONTINUOUS AND NOT SPLICED AT ANY POINT FROM THE CABINET TO THE BUTTON

TRAFFIC SIGNAL CABLE AND WIRE - ABOVE GROUND

LOCATION	FROM SIGNAL BASE	-	TO SIGNAL HEAD	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG LF	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	655.0700 * LOOP DETECTOR LEAD IN CABLE LF
CTH B & MECCA DR						
	SB1	-	11	24	--	--
		-	6A	20	--	--
		-	BUTTON	--	--	11
	SB2	-	1	24	--	--
		-	4B	20	--	--
		-	BUTTON	--	--	11
	SB3	-	12	24	--	--
		-	BUTTON	--	--	11
	SB4	-	4	24	--	--
		-	8	45	--	--
	SB5	-	9	55	--	--
		-	4A	20	--	--
		-	BUTTON	--	--	11
		-	LUMINAIRE	-	122	--
	SB6	-	14	24	--	--
		-	17	24	--	--
		-	2B	20	--	--
		-	BUTTON	--	--	11
	SB7	-	15	55	--	--
		-	16	24	--	--
		-	2A	20	--	--
		-	BUTTON	--	--	11
		-	LUMINAIRE	-	122	--
	SB8	-	5	24	--	--
		-	7	24	--	--
	SB9	-	6	24	--	--
	SB10	-	2	45	--	--
		-	10	24	--	--
	SB11	-	3	50	--	--
		-	LUMINAIRE	-	122	--
	SB12	-	13	24	--	--
		-	18	24	--	--
		-	6B	20	--	--
		-	BUTTON	--	--	11
	SB13	-	19	55	--	--
		-	20	24	--	--
			LUMINIARE	--	122	--
INTERSECTION TOTAL				**761**	**488**	**77**
TOTAL				**761**	**488**	**77**

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE / LEAD IN CABLE TO BE CONTINUOUS AND NOT SPLICED AT ANY POINT FROM THE CABINET TO THE BUTTON

3

CONSTRUCTION STAKING

LOCATION	650.8501 CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS (6767-01-01) EACH
6767-01-01	1
TOTAL	**1**

TRAFFIC SIGNAL CONTROL

LOCATION	SPV.0060.03 FURNISH AND INSTALL TRAFFIC SIGNAL CABINET AND CONTROLLER EACH
CTH B & MECCA DR	1
TOTAL	**1**

3

TRAFFIC SIGNAL SYSTEM INTEGRATOR

LOCATION	SPV.0060.05 TRAFFIC SIGNAL SYSTEMS INTEGRATOR EACH
6767-01-01	1
TOTAL	**1**

TRAFFIC SIGNAL MOUNTING HARDWARE

LOCATION	658.5071.01 SIGNAL MOUNTING HARDWARE (CTH B & MECCA DR) EACH
CTH B & MECCA DR	1
TOTAL	**1**

3

ELECTRICAL REMOVALS

LIGHT NUMBER	659.5000.S.01 LAMP, BALLAST, LED, SWITCH DISPOSAL BY CONTRACTOR EACH	SPV.0060.08 REMOVE AND SALVAGE LIGHTING UNIT EACH
ALL ITEMS ARE CATEGORY 0010		
EXSL102	1	1
EXSL103	1	1
EXSL104	1	1
EXSL111	1	1
EXSL112	1	1
EXSL113	1	1
TOTALS	6	6

LIGHTING PULLBOXES

PULLBOX NUMBER	STATION	OFFSET	R/L	653.0164 * PULL BOX NON-CONDUCTIVE 24X42-INCH EACH
ALL ITEMS ARE CATEGORY 0010				
PB 100	107+33	30.1'	RT	1
PB 101	107+46	48.7'	LT	1
PB 102	108+40	29.6'	RT	1
PB 103	108+39	47.3'	LT	1
PB 104	110+53	30.0'	RT	1
PB 105	110+78	48.0'	LT	1
PB 106	111+85	29.3'	RT	1
PB 107	111+85	48.5'	LT	1
PB 108	115+03	48.1'	LT	1
PB 109	115+97	29.8'	RT	1
PB 110	121+22	41.4'	RT	1
PB 111	121+24	74.3'	LT	1
PB 112	121+66	55.7'	RT	1
PB 113	121+66	63.4'	RT	1
PB 114	121+73	104.9'	LT	1
PB 115	122+52	105.1'	LT	1
PB 116	122+35	64.4'	RT	1
PB 117	123+05	71.3'	LT	1
PB 118	123+03	34.6'	RT	1
PB 119	132+12	30.5'	RT	1
PB 120	133+34	28.5'	RT	1
PB 121	133+85	50.5'	LT	1
PB 122	137+18	21.8'	RT	1
PB 123	137+21	58.2'	LT	1
TOTALS				**24**

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

ELECTRICAL LINEAR REMOVALS

FROM	-	TO	204.9090.S.01 REMOVING OR ABANDONING CONDUIT LF	204.9090.S.02 REMOVING ELECTRICAL CONDUCTORS FROM EXISTING CONDUIT LF
ALL ITEMS ARE CATEGORY 0010				
EXSL 101	-	EXSL 103	220	220
EXSL 100	-	EXSL 102	140	140
EXSL 102	-	EXSL 104	210	210
EXSL 111	-	EXSL 112	230	230
EXSL 112	-	EXSL 113	250	250
TOTAL			1050	1050

LIGHTING AND ELECTRICAL

LIGHT NUMBER	STATION	OFFSET	R/L	654.0106 CONCRETE BASES TYPE 6 EACH	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0327 POLES TYPE 6-ALUMINUM EACH	657.0605 LUMINAIRE ARMS SINGLE MEMBER 4 1/2-INCH CLAMP 4-FT EACH	659.1120 * LUMINAIRES UTILITY LED A EACH	655.0610 * ELECTRICAL WIRE LIGHTING 12 AWG LF
ALL ITEMS ARE CATEGORY 0010									
SL 100	105+04	32.7'	RT	1	1	1	1	1	141
SL 101	106+10	48.3'	LT	1	1	1	1	1	141
SL 102	107+02	30.3'	RT	1	1	1	1	1	141
SL 103	107+46	34.2'	RT	1	1	1	1	1	141
SL 104	108+18	52.5'	LT	1	1	1	1	1	141
SL 105	108+87	30.3'	RT	1	1	1	1	1	141
SL 106	110+09	48.3'	LT	1	1	1	1	1	141
SL 107	110+83	35.3'	RT	1	1	1	1	1	141
SL 108	111+52	55.8'	LT	1	1	1	1	1	141
SL 109	111+99	30.3'	RT	1	1	1	1	1	141
SL 110	113+42	48.3'	LT	1	1	1	1	1	141
SL 111	114+96	52.8'	LT	1	1	1	1	1	141
SL 112	114+75	30.4'	RT	1	1	1	1	1	141
SL 113	116+45	52.3'	LT	1	1	1	1	1	141
SL 114	117+47	30.8'	RT	1	1	1	1	1	141
SL 115	118+95	58.1'	LT	1	1	1	1	1	141
SL 116	120+04	41.2'	RT	1	1	1	1	1	141
SL 117	123+72	72.0'	LT	1	1	1	1	1	141
SL 118	124+78	30.3'	RT	1	1	1	1	1	141
SL 119	126+26	56.2'	LT	1	1	1	1	1	141
SL 120	127+67	30.3'	RT	1	1	1	1	1	141
SL 121	129+09	50'	LT	1	1	1	1	1	141
SL 122	130+53	30.3'	RT	1	1	1	1	1	141
SL 123	131+79	49.8'	LT	1	1	1	1	1	141
SL 124	132+97	56.7'	RT	1	1	1	1	1	141
SL 125	133+56	27.2'	RT	1	1	1	1	1	141
SL 126	135+08	54.1'	LT	1	1	1	1	1	141
SL 127	136+55	23.8'	RT	1	1	1	1	1	141
SL 128	137+89	60.7'	LT	1	1	1	1	1	141
SL 129	139+03	37.7'	RT	1	1	1	1	1	141
SL 130	139+39	69.8'	LT	1	1	1	1	1	141
TOTALS				31	31	31	31	31	4371

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

LIGHTING CONDUIT AND WIRE

FROM	-	TO	652.0225 * CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 * CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	652.0325 CONDUIT RIGID NONMETALLIC SCHEDULE 80 2-INCH LF	655.0615 ELECTRICAL WIRE LIGHTING 8 AWG LF	REMARKS
ALL ITEMS ARE CATEGORY 0010							
CB 100	-	PB 112	--	10	--	130	--
CB 100	-	PB 112	--	10	--	--	PULL WIRE ONLY
PB 112	-	PB 110	--	50	--	310	--
PB 110	-	SL 116	120	--	--	393	--
SL 116	-	SL 114	265	--	--	825	--
SL 114	-	PB 109	150	--	--	483	--
PB 109	-	SL 112	105	--	--	348	--
SL 112	-	SL 109	300	--	--	930	--
SL 109	-	PB 106	15	--	--	78	--
PB 106	-	PB 104	--	--	135	441	--
PB 104	-	SL 107	35	--	--	276	--
PB 104	-	SL 105	170	--	--	543	--
SL 105	-	PB 102	50	--	--	183	--
PB 102	-	PB 100	--	--	110	366	--
PB 100	-	SL 103	20	--	--	186	--
PB 100	-	SL 102	35	--	--	138	--
SL 102	-	SL 100	200	--	--	630	--
PB 110	-	PB 111	--	--	120	396	--
PB 111	-	SL 115	230	--	--	723	--
SL 115	-	SL 113	250	--	--	780	--
SL 113	-	PB 108	145	--	--	468	--
PB 108	-	SL 111	10	--	--	126	--
PB 108	-	SL 110	165	--	--	528	--
SL 110	-	PB 107	160	--	--	513	--
PB 107	-	PB 106	--	--	80	--	PULL WIRE ONLY
PB 107	-	SL 108	40	--	--	306	--
PB 107	-	PB 105	--	--	110	366	--
PB 105	-	SL 106	70	--	--	243	--
SL 106	-	PB 103	175	--	--	558	--
PB 103	-	SL 104	25	--	--	216	--
PB 103	-	PB 101	--	--	95	321	--
PB 101	-	SL 101	140	--	--	453	--
PB 103	-	PB 102	--	--	80	--	PULL WIRE ONLY
PB 111	-	PB 114	60	--	--	--	PULL WIRE ONLY
PB 114	-	PB 115	--	--	80	--	PULL WIRE ONLY
PB 115	-	PB 117	70	--	--	--	PULL WIRE ONLY
CB 100	-	PB 113	--	10	--	130	--
CB 100	-	PB 113	--	10	--	--	PULL WIRE ONLY
PB 113	-	PB 116	--	--	70	410	--
PB 116	-	PB 118	80	--	--	460	--
PB 118	-	PB 117	--	--	110	366	--
PB 118	-	SL 118	180	--	--	573	--
SL 118	-	SL 120	290	--	--	900	--
SL 120	-	SL 122	290	--	--	900	--
SL 122	-	PB 119	160	--	--	513	--
SUBTOTAL			4005	90	990	16509	

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

LIGHTING CONDUIT AND WIRE (CONTINUED)

FROM	-	TO	652.0225 * CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 * CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	652.0325 CONDUIT RIGID NONMETALLIC SCHEDULE 80 2-INCH LF	655.0615 ELECTRICAL WIRE LIGHTING 8 AWG LF	REMARKS
ALL ITEMS ARE CATEGORY 0010							
PB 119	-	PB 120	--	--	125	411	--
PB 120	-	SL 124	65	--	--	456	--
PB 120	-	SL 125	25	--	--	108	--
SL 125	-	SL 127	300	--	--	930	--
SL 127	-	PB 122	65	--	--	228	--
PB 122	-	SL 129	185	--	--	588	--
PB 117	-	SL 117	70	--	--	243	--
SL 117	-	SL 119	265	--	--	825	--
SL 119	-	SL 121	285	--	--	885	--
SL 121	-	SL 123	--	--	270	840	--
SL 123	-	PB 121	210	--	--	663	--
PB 121	-	SL 126	--	--	125	408	--
SL 126	-	PB 123	215	--	--	678	--
PB 123	-	PB 122	--	--	80	--	PULL WIRE ONLY
PB 123	-	SL 128	70	--	--	243	--
SL 128	-	SL 130	150	--	--	480	--
SUBTOTAL			1905	0	600	7986	
TOTALS			5910	90	1590	24495	

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

LIGHTING CONTROL

CABINET NUMBER	STATION	OFFSET	R/L	656.0201.01 ELECTRICAL SERVICE METER BREAKER PEDESTAL (CB100) EACH	659.2130 LIGHTING CONTROL CABINETS 120/240 30-INCH EACH	SPV.0060.04 CONCRETE CONTROL CABINET DOUBLE BASE EACH
ALL ITEMS ARE CATEGORY 0010						
CB100	121+63	59.4'	RT	1	1	1
TOTALS				1	1	1

TRAFFIC SIGNAL REMOVALS

LOCATION / ITEM NUMBER	204.0195 REMOVING CONCRETE BASES EACH	653.0905 REMOVING PULL BOXES EACH
CTH B & HOOVER AVE		
PB5	--	1
PB6	--	1
PB15	--	1
PB16	--	1
INTERSECTION TOTAL	**0**	**4**
CTH B & VILLAGE PARK DR		
PB7	--	1
PB18	--	1
SB7	1	--
SB8	1	--
SB9	1	--
SB10	1	--
SB11	1	--
SB13	1	--
INTERSECTION TOTAL	**6**	**2**
TOTAL	**6**	**6**

TRAFFIC SIGNAL PULL BOXES

LOCATION / PULL BOX NUMBER	STATION	OFFSET	L/R	653.0154 PULL BOXES NON-CONDUCTIVE 24X36-INCH EACH
CTH B & HOOVER AVE				
PB23	138+14.9	22.4	LT	1
PB24	140+75.6	130.0	LT	1
PB25	144+18.0	21.4	LT	1
PB26	141+65.1	87.8	RT	1
INTERSECTION TOTAL				**4**
CTH B & VILLAGE PARK DR				
PB23	151+45.9	27.1	RT	1
PB24	157+64.2	79.3	LT	1
INTERSECTION TOTAL				**2**
TOTAL				**6**

TRAFFIC SIGNAL CONDUIT

LOCATION	FROM	-	TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0700.S* INSTALL CONDUIT INTO EXISTING ITEM EACH
CTH B & HOOVER AVE					
	EXIST	-	PB23	95	1
	PB8	-	PB24	45	1
	PB14	-	PB25	236	1
	PB18	-	PB26	42	1
INTERSECTION TOTAL				**418**	**4**
CTH B & VILLAGE PARK DR					
	EXIST	-	PB23	33	1
	PB8	-	SB14	9	1
	PB10	-	SB15	7	1
	PB10	-	SB16	9	1
	PB11	-	SB17	15	1
	PB13	-	SB18	9	1
	PB15	-	SB19	4	1
	PB15	-	SB20	10	1
	EXIST	-	PB24	39	1
	PB19	-	SB21	10	1
INTERSECTION TOTAL				**145**	**10**
TOTAL				**563**	**14**

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE.

REMOVE TRAFFIC SIGNALS

LOCATION	SPV.0060.01 REMOVE TRAFFIC SIGNALS EACH	SPV.0060.02 REMOVE TRAFFIC SIGNALS EACH
CTH B & HOOVER AVE	1	--
CTH B & VILLAGE PARK DR	--	1
TOTAL	**1**	**1**

TRAFFIC SIGNAL LOOP DETECTORS

LOCATION / LOOP NO.	STATION **	OFFSET	L/R	SIZE FT X FT	NO. OF TURNS	INSTALLATION METHOD	652.0070.S* INSTALL CONDUIT INTO EXISTING ITEM EACH	652.0800 CONDUIT LOOP DETECTOR LF	655.0800 LOOP DETECTOR WIRE LF	655.0700 * LOOP DETECTOR LEAD IN CABLE LF
CTH B & HOOVER AVE										
21	144+19.0	40.8	LT	6 X 8	5	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	--	62	322	438
22	144+16.6	52.8	LT	6 X 8	5	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	--	86	442	438
31	141+21.3	61.0	RT	6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	2	74	234	95
32	141+21.5	33.0	RT	6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	2	138	426	169
42	141+03.2	74.7	LT	6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	2	112	348	177
43	140+91.2	74.8	LT	6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	2	90	282	177
44	141+04.1	102.7	LT	6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	--	106	330	256
45	140+92.1	102.8	LT	6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	--	84	264	256
61	138+14.1	0.4	LT	6 X 6	5	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	--	64	332	362
62	138+16.7	11.9	RT	6 X 6	5	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	--	88	452	362
71	141+15.9	74.6	LT	6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	2	72	228	246
72	141+16.2	102.6	LT	6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	2	136	420	177
82	141+33.5	33.0	RT	6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	2	116	360	169
83	141+46.5	33.1	RT	6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	2	92	288	169
84	141+33.4	61.0	RT	6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	--	112	348	247
85	141+46.4	61.1	RT	6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	--	88	276	247
INTERSECTION TOTAL							**16**	**1520**	**5352**	**3985**
CTH B & VILLAGE PARK DR										
11	151+92.7	18.2	LT	6 X 6	5	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	2	36	192	421
12	153+67.8	19.1	LT	6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	2	122	378	210
13	153+95.8	19.1	LT	6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	2	68	216	210
21	157+62.2	46.6	LT	6 X 6	5	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	--	84	432	394
22	157+64.8	58.2	LT	6 X 6	5	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	--	62	322	394
51	157+21.1	34.7	LT	6 X 6	4	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	2	38	164	297
52	155+42.0	33.6	LT	6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	2	118	366	83
53	155+14.0	33.7	LT	6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	2	70	222	83
61	151+47.5	5.9	LT	6 X 6	5	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	--	86	442	391
62	151+45.0	6.2	RT	6 X 6	5	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	--	62	322	391
INTERSECTION TOTAL							**24**	**746**	**3056**	**2874**
TOTAL							**40**	**2,266**	**8,408**	**6,859**

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE.

PEDESTRIAN PUSH BUTTONS

LOCATION / BASE NUMBER	658.0500 PEDESTRIAN PUSH BUTTON EACH
CTH B & HOOVER AVE	
INTERSECTION TOTAL	**0**
CTH B & VILLAGE PARK DR	
SB16	1
SB17	1
SB18	1
SB20	1
INTERSECTION TOTAL	**4**
TOTAL	**4**

TRAFFIC SIGNAL MOUNTING HARDWARE

LOCATION	658.5071.01 SIGNAL MOUNTING HARDWARE (CTH B & HOOVER AVE) EACH	658.5071.02 SIGNAL MOUNTING HARDWARE (CTH B & VILLAGE PARK DR) EACH
CTH B & HOOVER AVE	1	--
CTH B & VILLAGE PARK DR	--	1
TOTAL	**1**	**1**

TRAFFIC SIGNAL HEADS

LOCATION	SIGNAL BASE NO.	HEAD NO.	658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	658.0174 TRAFFIC SIGNAL FACE 4S 12-INCH EACH	658.0175 TRAFFIC SIGNAL FACE 5S 12-INCH EACH	658.0416 PEDESTRIAN SIGNAL FACE 16-INCH EACH
CTH B & HOOVER AVE						
	SB1	20	--	1	--	--
	SB5	22	--	1	--	--
	SB7	23	---	1	--	--
		24	--	1	--	--
		27	1	--	--	--
	SB8	19	--	1	--	--
	SB11	25	--	1	--	--
	SB13	21	--	1	--	--
		26	--	1	--	--
		28	1	--	--	--
INTERSECTION TOTAL			**2**	**8**	**0**	**0**
CTH B & VILLAGE PARK DR						
	SB1	38	--	1	--	--
	SB2	20	1	--	--	--
		21	--	--	1	--
		39	--	1	--	--
	SB4	32	--	1	--	--
		36	1	--	--	--
	SB5	4B	--	--	--	1
	SB6	28	--	1	--	--
	SB12	23	--	1	--	--
	SB14	22	--	1	--	--
		25	1	--	--	--
		29	--	1	--	--
	SB15	26	1	--	--	--
	SB16	4A	--	--	--	1
	SB17	33	--	1	--	--
		35	1	--	--	--
		2B	--	--	--	1
	SB18	34	--	1	--	--
		37	--	1	--	--
		40	1	--	--	--
	SB19	30	1	--	--	--
		31	--	--	1	--
	SB20	2A	--	--	--	1
	SB21	19	1	--	--	--
		24	--	1	--	--
		27	--	1	--	--
INTERSECTION TOTAL			**8**	**12**	**2**	**4**
TOTAL			**10**	**20**	**2**	**4**

TRAFFIC SIGNAL STRUCTURES

LOCATION / BASE NUMBER	STATION	OFFSET	L/R	654.0101 CONCRETE BASES TYPE 1 EACH	654.0102 CONCRETE BASES TYPE 2 EACH	657.0100 PEDESTAL BASES EACH	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0305 POLES TYPE 2 EACH	657.0430 TRAFFIC SIGNAL STANDARDS ALUMINUM 10-FT EACH	657.0425 TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT EACH	657.0585 TROMBONE ARMS 15-FT EACH	657.0595 TROMBONE ARMS 25-FT EACH
CTH B & HOOVER AVE												
INTERSECTION TOTAL				**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
CTH B & VILLAGE PARK DR												
SB2				--	--	--	--	--	--	--	--	1
SB14				--	1	--	1	1	--	--	1	--
SB15				--	1	--	1	1	--	--	--	1
SB16				1	--	1	--	--	1	--	--	--
SB17				1	--	1	--	--	--	1	--	--
SB18				1	--	1	--	--	--	1	--	--
SB19				--	1	--	1	1	--	--	1	--
SB20				1	--	1	--	--	1	--	--	--
SB21				--	1	--	1	1	--	--	1	--
INTERSECTION TOTAL				**4**	**4**	**4**	**4**	**4**	**2**	**2**	**3**	**2**
TOTAL				**4**	**4**	**4**	**4**	**4**	**2**	**2**	**3**	**2**

TRAFFIC SIGNAL CABLE AND WIRE - BELOW GROUND

LOCATION	FROM	-	TO	655.0240 7-14 AWG LF	655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG LF	655.0270 15-14 AWG LF	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG LF
CTH B & HOOVER AVE							
	CB1	-	SB1	129	--	--	129
	CB1	-	SB8	390	--	--	--
	SB1	-	SB2	--	--	--	112
	SB5	-	SB6	--	--	--	53
	SB6	-	SB7	--	--	--	155
	SB7	-	SB8	--	--	--	144
	SB8	-	SB9	--	--	--	98
	SB10	-	SB11	--	--	--	106
	SB11	-	SB12	--	--	--	51
	SB12	-	SB13	--	--	--	165
INTERSECTION TOTAL				**519**	**0**	**0**	**1013**
CTH B & VILLAGE PARK DR							
	CB1	-	SB12	243	--	--	--
	CB1	-	SB14	--	331	--	--
	CB1	-	SB16	405	--	--	--
	CB1	-	SB17	--	394	--	--
	CB1	-	SB18	--	--	332	--
	CB1	-	SB19	--	278	--	--
	CB1	-	SB20	287	--	--	--
	CB1	-	SB21	--	146	--	--
	SB6	-	SB14	--	--	--	137
	SB14	-	SB15	--	--	--	119
	SB15	-	SB16	--	--	--	46
	SB16	-	SB17	--	--	--	111
	SB17	-	SB18	--	--	--	110
	SB18	-	SB19	--	--	--	90
	SB19	-	SB20	--	--	--	45
	SB20	-	SB12	--	--	--	83
	SB12	-	SB21	--	--	--	148
	SB21	-	SB2	--	--	--	150
	PB8	-	SB14	--	--	--	47
	PB10	-	SB15	--	--	--	45
	PB11	-	SB17	--	--	--	53
	PB13	-	SB18	--	--	--	47
	PB15	-	SB19	--	--	--	43
	PB19	-	SB21	--	--	--	48
INTERSECTION TOTAL				**692**	**1149**	**332**	**1322**
TOTAL				**1,211**	**1,149**	**332**	**2,335**

TRAFFIC SIGNAL CABLE AND WIRE - ABOVE GROUND

LOCATION	FROM SIGNAL BASE	-	TO SIGNAL HEAD	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG LF	655.0700 * LOOP DETECTOR LEAD IN CABLE LF
CTH B & HOOVER AVE					
	SB1	-	20	27	--
	SB5	-	22	27	--
	SB7	-	23	27	--
		-	24	27	--
		-	27	24	--
	SB8	-	19	27	--
	SB11	-	25	27	--
	SB13	-	21	27	--
		-	26	27	--
		-	28	24	--
INTERSECTION TOTAL				**264**	**0**
CTH B & VILLAGE PARK DR					
	SB1	-	38	27	--
	SB2	-	20	55	--
		-	21	28	--
	SB3	-	39	27	--
	SB4	-	32	27	--
		-	36	24	--
	SB5	-	4B	20	--
	SB6	-	28	27	--
	SB12	-	23	27	--
	SB14	-	22	27	--
		-	25	45	--
		-	29	27	--
	SB15	-	26	55	--
	SB16	-	4A	20	--
		-	BUTTON	--	11
	SB17	-	33	27	--
		-	35	24	--
		-	2B	20	--
		-	BUTTON	--	11
	SB18	-	34	27	--
		-	37	27	--
		-	40	24	--
		-	BUTTON	--	11
	SB19	-	30	45	--
		-	31	28	--
	SB20	-	2A	20	--
		-	BUTTON	--	11
	SB21	-	19	45	--
		-	24	27	--
		-	27	27	--
INTERSECTION TOTAL				**777**	**44**
TOTAL				**1,041**	**44**

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE.

CONSTRUCTION STAKING

LOCATION	650.8501 CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS (6767-02-01) EACH
6767-02-01	1
TOTAL	**1**

TRAFFIC SIGNAL SYSTEM INTEGRATOR

LOCATION	SPV.0060.06 TRAFFIC SIGNAL SYSTEMS INTEGRATOR EACH
6767-02-01	1
TOTAL	**1**

TRAFFIC SIGNAL CONTROL

LOCATION	SPV.0060.03 FURNISH AND INSTALL TRAFFIC SIGNAL CABINET AND CONTROLLER EACH
CTH B & HOOVER AVE	1
CTH B & VILLAGE PARK DR	1
TOTAL	**2**

CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W OR HE LINE
PROPERTY LINE
LOT, TIE & OTHER MINOR LINES
SLOPE INTERCEPT
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC)
NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT AREA
EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
BUILDING
TO BE REMOVED
BRIDGE
CULVERT

SECTION CORNER SYMBOL
SECTION CORNER MONUMENT
GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
SIGN
OFF-PREMISE SIGN
R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND IRON PIN (1-INCH UNLESS NOTED)

	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE		
TELEPHONE POLE		
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)		

ACCESS RESTRICTED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
NO ACCESS (NEW HIGHWAY)
PARCEL NUMBER 25
UTILITY NUMBER 40
PARALLEL OFFSETS

CONVENTIONAL UTILITY SYMBOLS

WATER	W
GAS	G
TELEPHONE	T
OVERHEAD TRANSMISSION LINES	OH
ELECTRIC	E
CABLE TELEVISION	TV
FIBER OPTIC	FO
SANITARY SEWER	SAN
STORM SEWER	SS
ELECTRIC TOWER	☒

CURVE DATA ABBREVIATIONS

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE	Δ/DELTA
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

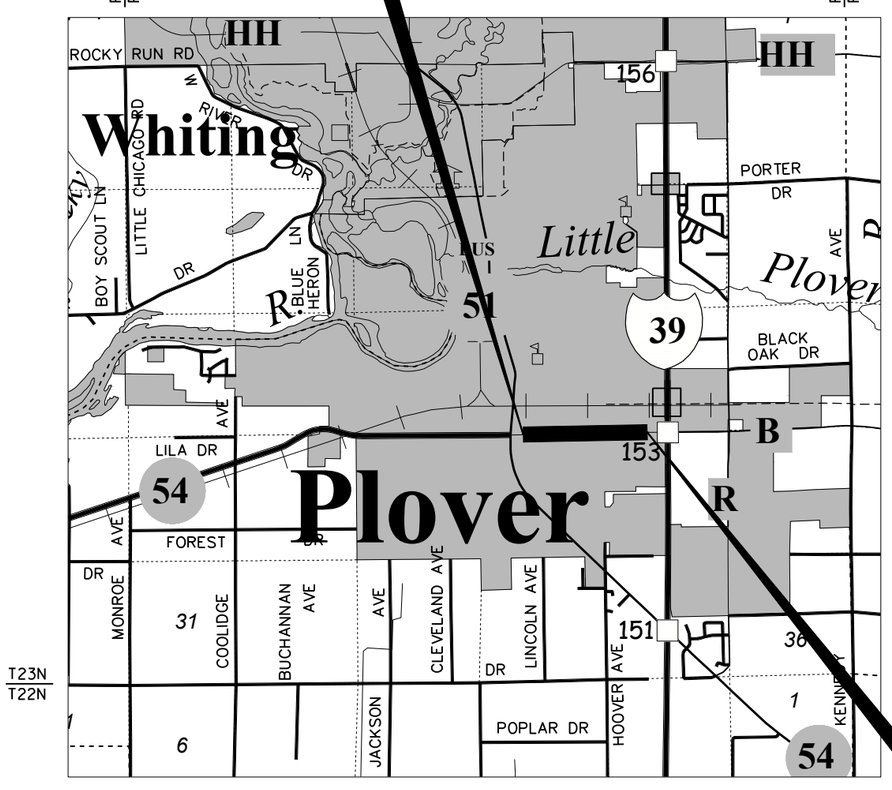
CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR
ACRES	AC
AHEAD	AH
ALUMINUM	ALUM
AND OTHERS	ET AL
BACK	BK
BLOCK	BLK
CENTERLINE	C/L
CERTIFIED SURVEY MAP	CSM
CONCRETE	CONC
COUNTY	CO
COUNTY TRUNK HIGHWAY	CTH
DISTANCE	DIST
CORNER	COR
DOCUMENT NUMBER	DOC
EASEMENT	EASE
EXISTING	EX
GAS VALVE	GV
GRID NORTH	GN
HIGHWAY EASEMENT	HE
IDENTIFICATION	ID
LAND CONTRACT	LC
LEFT	LT
MONUMENT	MON
NATIONAL GEODETIC SURVEY	NGS
NUMBER	NO
OUTLOT	OL
PAGE	P
POINT OF TANGENCY	PT
PERMANENT LIMITED EASEMENT	PLE
POINT OF BEGINNING	POB
POINT OF CURVATURE	PC
POINT OF COMPOUND CURVE	PCC
POINT OF INTERSECTION	PI
PROPERTY LINE	PL
RECORDED AS	(100')
REEL / IMAGE	R/I
REFERENCE LINE	R/L
REMAINING	REM
RESTRICTIVE DEVELOPMENT EASEMENT	RDE
RIGHT	RT
RIGHT OF WAY	R/W
SECTION	SEC
SEPTIC VENT	SEPV
SQUARE FEET	SF
STATE TRUNK HIGHWAY	STH
STATION	STA
TELEPHONE PEDESTAL	TP
TEMPORARY LIMITED EASEMENT	TLE
TRANSPORTATION PROJECT PLAT	TPP
UNITED STATES HIGHWAY	USH
VOLUME	V

CURVE DATA ABBREVIATIONS

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE	Δ/DELTA
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

BEGIN RELOCATION ORDER
STA. 114+71.42
26.82' WEST AND 9.32' SOUTH OF THE NORTH QUARTER CORNER OF SECTION 27, T23N, R8E
Y 177553.52'
X 174858.24'



END RELOCATION ORDER
STA. 155+28.83
12.65' SOUTH AND 1228.11' WEST OF THE NORTH QUARTER CORNER OF SECTION 26, T23N, R8E
Y 177616.68
X 178915.05

LAYOUT
SCALE 0 2 MILES

TOTAL NET LENGTH OF CENTERLINE = 0.768 MILES

R/W PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
6767-01-01		
FEDERAL PROJECT NUMBER 6767-01-01	4.01	7

PLAT OF RIGHT OF WAY REQUIRED FOR

CTH B
WISCONSIN AVENUE TO IH 39 INTERCHANGE

CTH B	PORTAGE

CONSTRUCTION PROJECT NUMBER
6767-01-71

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), PORTAGE COUNTY, NAD83(2018), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, OR FROM CENTERLINE OF EXISTING PAVEMENTS AND/OR EXISTING OCCUPATIONAL LINES.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS" OF PUBLIC RECORD.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE. ALL (TLEs) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WISCONSIN RAPIDS.

PARCEL AND UTILITY IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE DETAIL PAGES.

INFORMATION FOR THE BASIS OF EXISTING HIGHWAY RIGHT-OF-WAY POINTS OF REFERENCE AND ACCESS CONTROL ARE LISTED ON THE DETAIL PAGES.

THIS PLAT IS A GRAPHIC REPRESENTATION AND IS FOR REFERENCE PURPOSES ONLY. DEEDS MUST BE CHECKED TO DETERMINE PROPERTY BOUNDARIES AND ACCESS RIGHTS.

ORIGINAL PLANS PREPARED BY
GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac
1327 Hilltop Parkland Mardo • Stevens Point, WI 54481
(715) 344-4200 • fax (715) 344-4200

6/01/2023
DATE

AARON PARKS, PLS

WISCONSIN
AARON PARKS S-2861 STEVENS POINT WIS
LAND SURVEYOR

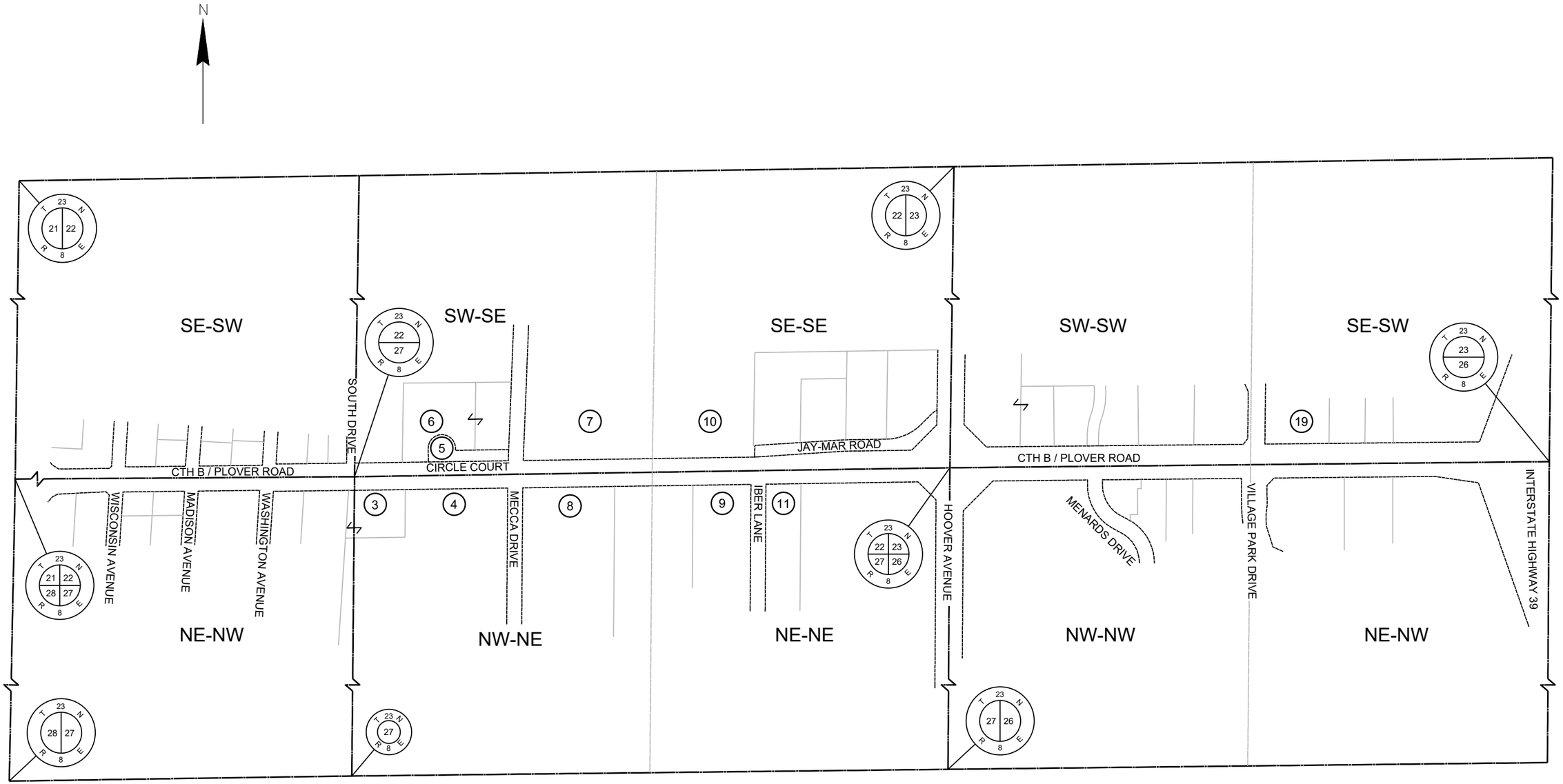
REVISION DATE	APPROVED FOR PORTAGE COUNTY
	DATE: _____ HIGHWAY COMMISSIONER

SCHEDULE OF LANDS & INTERESTS REQUIRED

AREAS SHOWN ON THE TOTAL ACRES COLUMN MAY BE APPROXIMATE AND ARE DERIVED FROM TAX ROLLS OR OTHER AVAILABLE SOURCES AND MAY NOT INCLUDE LANDS OF THE OWNER WHICH ARE NOT CONTIGUOUS TO THE AREA TO BE ACQUIRED.

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE COUNTY.

PARCEL NUMBER	SHEET NUMBER	OWNER(S)	INTEREST REQUIRED	TOTAL ACRES EXISTING	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TOTAL ACRES REMAINING	T.L.E. ACRES TEMP.	REMARKS
3	4.04	ST MICHAEL'S HOSPITAL OF STEVENS POINT INC	FEE	0.152	0.152	0.00	0.152	0.00	0.00	173-23-0827-02.03
	4.05		FEE & TLE	1.081	0.565	0.00	0.565	0.516	0.002	
			TOTALS	1.233	0.717	0.00	0.717	0.516	0.002	
4	4.05	ST MICHAEL'S HOSPITAL INC	FEE & TLE	10.930	0.007	0.00	0.007	10.923	0.145	173-23-0827-02.20
5	4.05	VILLAGE OF PLOVER	FEE & TLE	0.564	0.049	0.00	0.049	0.515	0.515	173-23-0822-15.10A
6	4.05	SHULF PROPERTIES LLC	TLE	2.155	0.00	0.00	0.00	2.155	0.034	173-23-0822-15.18
7	4.05	JENTEX GROUP LLC	FEE	7.700	0.132	0.00	0.132	7.568	0.00	173-23-0822-15.16
8	4.05	VANDY PROPERTIES HWY B LLC	FEE & TLE	6.152	0.004	0.00	0.004	6.148	0.024	173-23-0827-02.24
9	4.06	UNITED WASH LLC	FEE	1.083	0.002	0.00	0.002	1.081	0.00	173-23-0827-01.30
10	4.06	WOLOHAN REALTY LLC	TLE	8.753	0.00	0.00	0.00	8.753	0.055	173-23-0822-16.16
11	4.06	LNS PROPERTIES LLC	FEE	0.672	0.002	0.00	0.002	0.670	0.00	173-23-0827-01.34
19	4.07	MOUNT VIEW II LLC	FEE	1.294	0.007	0.00	0.007	1.287	0.00	173-23-0823-12.09
80	4.04, 4.05 & 4.06	AT&T DISTRIBUTION	RELEASE OF RIGHTS	---	---	---	---	---	---	---
81	4.05 & 4.06	WISCONSIN PUBLIC SERVICE	RELEASE OF RIGHTS	---	---	---	---	---	---	---
82	4.05, 4.06 & 4.07	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS	---	---	---	---	---	---	---
83	4.05, 4.06 & 4.07	VILLAGE OF PLOVER	RELEASE OF RIGHTS	---	---	---	---	---	---	---



REVISION DATE	DATE 6/01/2023	NOT TO SCALE	HWY: CTH B	R/W PROJECT NUMBER 6767-01-01	PLAT SHEET NO: 4.03
			COUNTY: PORTAGE	CONSTRUCTION PROJECT NUMBER 6767-01-71	PS&E SHEET NO: E

COORDINATE TABLE

POINT	Y (NORTH)	X (EAST)
401	177292.51	174845.15
402	177293.07	174882.58
405	177502.83	174884.50
1011	177502.53	174858.84

COURSE TABLE PARCEL 3 FEE

FROM POINT	TO POINT	BEARING	DISTANCE
1930	405	S00°31'28"W	60.01'
405	402	S00°31'28"W	209.77'
402	401	S89°08'18"W	37.43'
401	1011	N03°43'47"E	210.46'
1011	405	N89°19'02"E	25.66'

GN

4

1935
Y 177544.58
X 172259.88
CHISELED
CROSS

T 23 N
R 8 E
21 22 28 27

BUSINESS 51/POST ROAD

VILLAGE

SE-SW
SEC. 22, T23N, R8E

SECTION LINE N89°36'05"E 2625.24'
R/L N89°19'02"E

102 103 104 105 106 107 108 109 110 111 112 113 114 115

CTH B / PLOVER ROAD

EXISTING R/W

MOTO INC
173-42-2001
LOT 1CSM
#011378

EGS PROPERTIES LLC
173-42-23
LOT 23
PLOVER ASSESSOR'S PLAT #2

BENJAMIN SOLEM
173-42-25
LOT 25
PLOVER ASSESSOR'S PLAT #2

LOT 59
PLOVER
ASSESSOR'S
PLAT #2

BEAVER
CONSTRUCTION
OF AMHERST LLC
173-42-59

FREUND
ENTERPRISES LLC
173-42-61
LOT 61
PLOVER
ASSESSOR'S
PLAT #2

WASHINGTON AVENUE

RONALD WALTERS
173-42-62
LOT 62
PLOVER ASSESSOR'S
PLAT #2

OKRAY INSURANCE
AGENCY LLC
173-42-63
LOT 63
PLOVER ASSESSOR'S
PLAT #2

EVENSEN, ET. AL.
173-42-64
LOT 64
PLOVER ASSESSOR'S
PLAT #2

VARIES

SOUTH DRIVE

MATCH LINE
QUARTER LINE

1930
114+98.36, 9.00' LT.
Y 177562.84
X 174885.05
BRASS CAP

T 23 N
R 8 E
22 27

SEE SHEET 4.05

STATE OF WISCONSIN
173-23-0827-0A

114+98.15
114+97.08
51' FEE
405

BUSINESS 51/STH 54

RON MCDONALD'S CORPORATION
173-41-160201
LOT 2
CSM #6844-25-67

WISCONSIN AVENUE

2551 PLOVER
ROAD WI, LLC
173-41-12
LOT 12
PLOVER
ASSESSOR'S
PLAT #1
DOC. #353059

WADS ENTERPRISE LLC
173-41-11
LOT 11
PLOVER ASSESSOR'S PLAT #1
DOCUMENT #353059

MADISON AVENUE

NE-NW
SEC. 27, T23N, R8E

OF

KWIK TRIP INC
173-41-0701
LOT 1
CSM #10586-48-16
DOC. #801191

12' UTILITY EASEMENT
DOCUMENT #807748

MICHAEL GROSHEK
173-41-02
LOT 2
PLOVER ASSESSOR'S PLAT #1

DISHER PROPERTIES LLC
173-41-01
LOT 1 PLOVER ASSESSOR'S
PLAT #1

114+71.42
51' FEE
1011
80

PLOVER

114+92.66
260.72' FEE
402

114+55.22
260.84' FEE
401

PROP

SLOPE INTERCEPT

BEGIN RELOCATION ORDER

STA. 114+71.42
26.82' WEST AND 9.32' SOUTH OF THE NORTH QUARTER CORNER OF SECTION 27, T23N, R8E
Y 177553.52'
X 174858.24'

AT&T DISTRIBUTION
RELEASE OF RIGHTS
PARCEL 3
PRESCRIPTIVE RIGHTS
80

ST MICHAEL'S HOSPITAL OF ST PT INC
173-23-0827-02.03
LOT 2
CSM #3591-12-249
DOCUMENT #395721
3

BASIS FOR EXISTING R/W

ROUTE	SOURCE
CTH B	R/W PROJECT #1526-02-24, CSM #011378, #6844-25-67, #10586-48-16, PLOVER ASSESSOR'S PLAT #1 & PLOVER ASSESSOR'S PLAT #2
BUSINESS 51/POST RD.	R/W PROJECT #1526-02-24 & TPP #6414-00-25-4.01 AMENDMENT #1
BUSINESS 51/STH 54	R/W PROJECT #1526-02-24
WISCONSIN AVE.	CSM #011378, #6844-25-67, PLOVER ASSESSOR'S PLAT #1 & #2
MADISON AVE.	CSM #10586-48-16, PLOVER ASSESSOR'S PLAT #1 & #2
WASHINGTON AVE.	CSM #10586-48-16, PLOVER ASSESSOR'S PLAT #1 & #2
SOUTH DR.	PLOVER ASSESSOR'S PLAT #2

FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WISCONSIN RAPIDS.

NOTE - PROPERTY LINE STATIONS AND LOCATIONS ARE COMPUTED FROM INFORMATION OF RECORD AND ARE APPROXIMATE ONLY.

REVISION DATE	DATE 6/01/2023	SCALE, FEET 0 50' 100'	HWY: CTH B	STATE R/W PROJECT NUMBER 6767-01-01	PLAT SHEET 4.04
	GRID FACTOR		COUNTY: PORTAGE	CONSTRUCTION PROJECT NUMBER 6767-01-71	PS&E SHEET 193 E

FILE NAME : CTH B PLAT 2-8-23.DWG
LAYOUT NAME - 4.04

PLOT DATE : 6/1/2023 9:35 AM PLOT BY : AARON PARKS PLOT NAME : PLOT SCALE :

WISDOT/CADDS SHEET 75

COORDINATE TABLE

POINT	Y (NORTH)	X (EAST)
203	177566.00	175095.65
204	177566.19	175107.86
205	177574.41	175655.91
206	177577.93	175890.33
216	177522.49	176194.64
313	177491.98	175094.35
314	177492.19	175108.63
315	177498.78	175548.02
316	177402.95	175558.31
317	177402.99	175553.31
318	177352.99	175552.94
319	177352.95	175557.94
320	177303.94	175623.58

COORDINATE TABLE

POINT	Y (NORTH)	X (EAST)
321	177303.83	175638.58
322	177373.83	175639.10
323	177373.94	175624.10
334	177679.50	175327.54
335	177687.79	175208.30
336	177640.71	175208.72
337	177627.71	175208.83
338	177639.00	175094.94
339	177626.00	175094.75
402	177293.07	174882.58
403	177293.23	174892.90
405	177502.83	174884.50
406	177512.58	175534.13

COORDINATE TABLE

POINT	Y (NORTH)	X (EAST)
407	177487.94	175558.94
408	177503.94	175625.06
409	177514.42	175656.81
419	177637.92	175889.43
420	177652.92	175889.21
421	177649.64	175670.59
422	177734.06	175631.46
423	177683.03	175563.40
424	177682.37	175519.13
425	177632.38	175519.88
1010	177506.19	175108.76

CURVE TABLE

FROM POINT	TO POINT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
335	334	60.00'	199.16'	S86°01'09"E	119.53'

COURSE TABLE, PARCEL 5 & 6 TLE

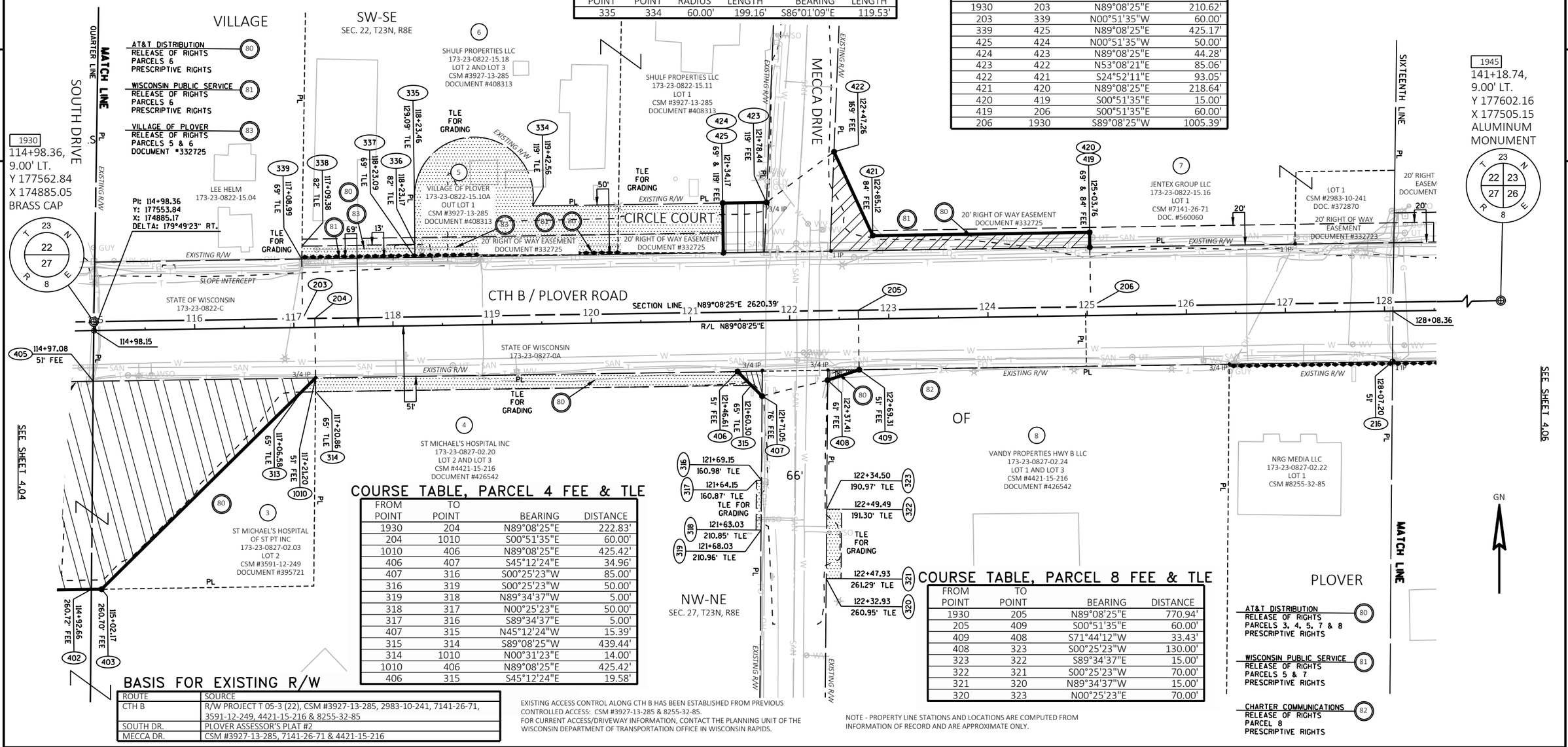
FROM POINT	TO POINT	BEARING	DISTANCE
1930	203	N89°08'25"E	210.62'
203	339	N00°51'35"W	60.00'
339	338	N00°51'03"E	13.01'
338	336	N89°08'25"E	113.79'
336	335	N00°30'24"W	47.09'
335	334	SEE CURVE TABLE	
334	424	N89°08'25"E	191.61'
424	425	S00°51'35"E	50.00'
425	339	S89°08'25"W	425.17'

COURSE TABLE, PARCEL 3 FEE & TLE

FROM POINT	TO POINT	BEARING	DISTANCE
1930	405	S00°31'28"W	60.01'
405	1010	N89°08'29"E	224.28'
1010	403	S45°23'13"W	303.23'
403	402	S89°08'18"W	10.31'
402	405	N00°31'28"E	209.77'
1010	314	S00°31'23"W	14.00'
314	313	S89°08'25"W	14.29'
313	1010	N45°23'13"E	20.24'

COURSE TABLE, PARCEL 5 & 7 FEE

FROM POINT	TO POINT	BEARING	DISTANCE
1930	203	N89°08'25"E	210.62'
203	339	N00°51'35"W	60.00'
339	425	N89°08'25"E	425.17'
425	424	N00°51'35"W	50.00'
424	423	N89°08'25"E	44.28'
423	422	N53°08'21"E	85.06'
422	421	S24°52'11"E	93.05'
421	420	N89°08'25"E	218.64'
420	419	S00°51'35"E	15.00'
419	206	S00°51'35"E	60.00'
206	1930	S89°08'25"W	1005.39'



COURSE TABLE, PARCEL 4 FEE & TLE

FROM POINT	TO POINT	BEARING	DISTANCE
1930	204	N89°08'25"E	222.83'
204	1010	S00°51'35"E	60.00'
1010	406	N89°08'25"E	425.42'
406	407	S45°12'24"E	34.96'
407	316	S00°25'23"W	85.00'
316	319	S00°25'23"W	50.00'
319	318	N89°34'37"W	5.00'
318	317	N00°25'23"E	50.00'
317	316	S89°34'37"E	5.00'
407	315	N45°12'24"W	15.39'
315	314	S89°08'25"W	439.44'
314	1010	N00°31'23"E	14.00'
1010	406	N89°08'25"E	425.42'
406	315	S45°12'24"E	19.58'

COURSE TABLE, PARCEL 8 FEE & TLE

FROM POINT	TO POINT	BEARING	DISTANCE
1930	205	N89°08'25"E	770.94'
205	409	S00°51'35"E	60.00'
409	408	S71°44'12"W	33.43'
408	323	S00°25'23"W	130.00'
323	322	S89°34'37"E	15.00'
322	321	S00°25'23"W	70.00'
321	320	N89°34'37"W	15.00'
320	323	N00°25'23"E	70.00'

BASIS FOR EXISTING R/W

ROUTE	SOURCE
CTH B	R/W PROJECT T 05-3 (22), CSM #3927-13-285, 2983-10-241, 7141-26-71, 3591-12-249, 4421-15-216 & 8255-32-85
SOUTH DR.	PLOVER ASSESSOR'S PLAT #2
MECCA DR.	CSM #3927-13-285, 7141-26-71 & 4421-15-216

EXISTING ACCESS CONTROL ALONG CTH B HAS BEEN ESTABLISHED FROM PREVIOUS CONTROLLED ACCESS: CSM #3927-13-285 & 8255-32-85.
FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WISCONSIN RAPIDS.

NOTE - PROPERTY LINE STATIONS AND LOCATIONS ARE COMPUTED FROM INFORMATION OF RECORD AND ARE APPROXIMATE ONLY.

PLOVER
AT&T DISTRIBUTION RELEASE OF RIGHTS PARCELS 3, 4, 5, 7 & 8 PRESCRIPTIVE RIGHTS 80
WISCONSIN PUBLIC SERVICE RELEASE OF RIGHTS PARCELS 5 & 7 PRESCRIPTIVE RIGHTS 81
CHARTER COMMUNICATIONS RELEASE OF RIGHTS PARCEL 8 PRESCRIPTIVE RIGHTS 82

REVISION DATE	DATE 6/01/2023	SCALE, FEET 0 50' 100'	HWY: CTH B	STATE R/W PROJECT NUMBER 6767-01-01	PLAT SHEET 4.05
	GRID FACTOR		COUNTY: PORTAGE	CONSTRUCTION PROJECT NUMBER 6767-01-71	PS&E SHEET 194 E

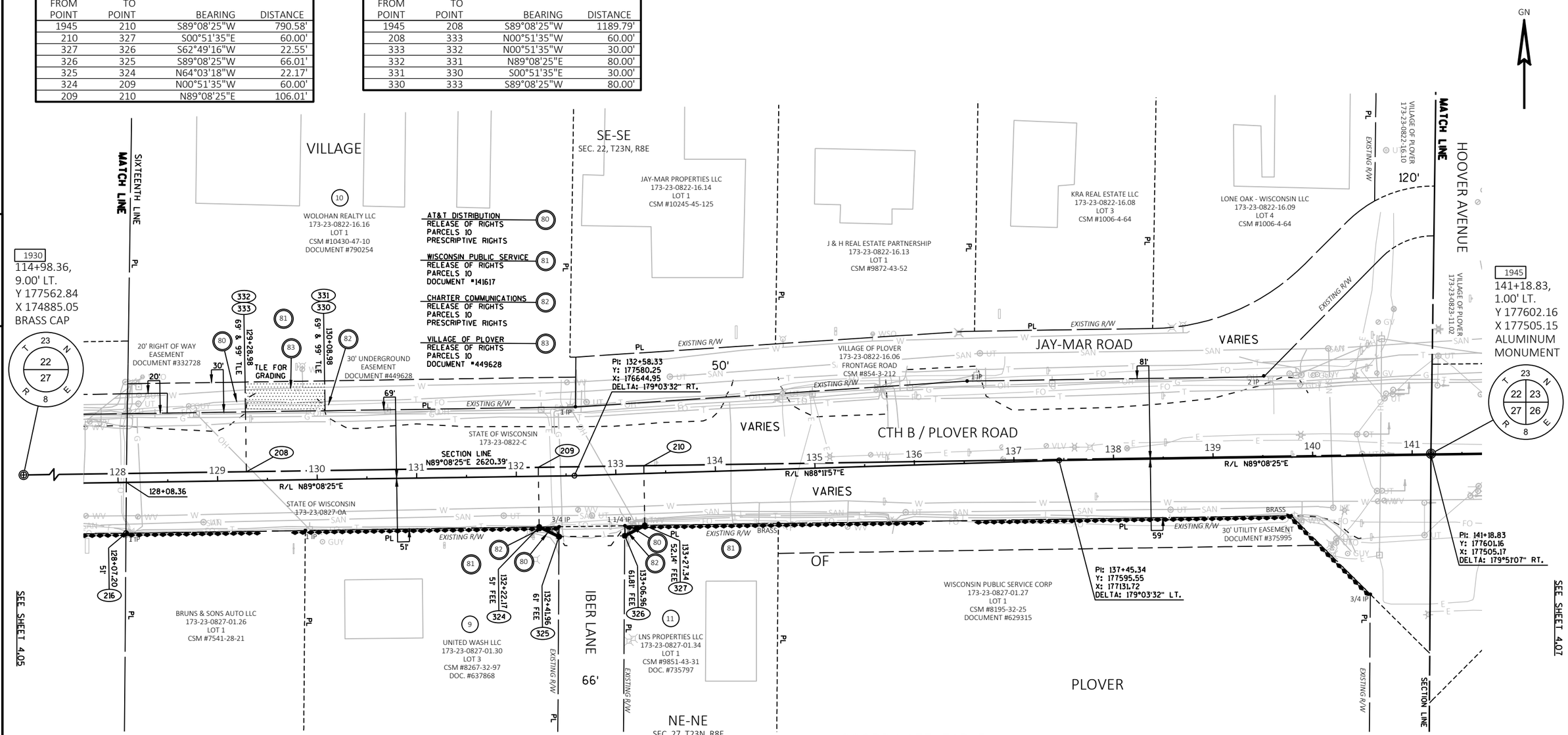
FILE NAME : CTH B PLAT 2-8-23.DWG
LAYOUT NAME - 4.05
PLOT DATE : 6/1/2023 9:35 AM PLOT BY : AARON PARKS PLOT NAME : PLOT SCALE :
WISDOT/CADDS SHEET 75

COURSE TABLE, PARCEL 9 & 11 FEE

FROM POINT	TO POINT	BEARING	DISTANCE
1945	210	S89°08'25"W	790.58'
210	327	S00°51'35"E	60.00'
327	326	S62°49'16"W	22.55'
326	325	S89°08'25"W	66.01'
325	324	N64°03'18"W	22.17'
324	209	N00°51'35"W	60.00'
209	210	N89°08'25"E	106.01'

COURSE TABLE, PARCEL 10 TLE

FROM POINT	TO POINT	BEARING	DISTANCE
1945	208	S89°08'25"W	1189.79'
208	333	N00°51'35"W	60.00'
333	332	N00°51'35"W	30.00'
332	331	N89°08'25"E	80.00'
331	330	S00°51'35"E	30.00'
330	333	S89°08'25"W	80.00'



BASIS FOR EXISTING R/W

ROUTE	SOURCE
CTH B	R/W PROJECT T 05-3 (22), CSM #10430-47-10, 7541-28-21, 8267-32-97, 9851-43-31 & 8195-32-25
JAY-MAR RD.	CSM #10245-45-125, 9872-43-52 & 1006-4-64
IBER LANE	CSM #8267-32-97 & 9851-43-31
HOOVER AVE.	R/W PROJECT T 05-3 (22), CSM #1006-4-64 & 8195-32-25

EXISTING ACCESS CONTROL ALONG CTH B HAS BEEN ESTABLISHED FROM PREVIOUS CONTROLLED ACCESS: CSM #7541-28-21, 8267-32-97, 9851-43-31 & 8195-32-25. FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WISCONSIN RAPIDS.

AT&T DISTRIBUTION
RELEASE OF RIGHTS
PARCELS 9 & 11
PRESCRIPTIVE RIGHTS — 80

WISCONSIN PUBLIC SERVICE
RELEASE OF RIGHTS
PARCELS 9 & 11
DOCUMENT *141614 — 81

CHARTER COMMUNICATIONS
RELEASE OF RIGHTS
PARCELS 9 & 11
PRESCRIPTIVE RIGHTS — 82

COORDINATE TABLE

POINT	Y (NORTH)	X (EAST)
208	177584.31	176315.50
209	177588.71	176608.66
210	177590.30	176714.66
324	177528.71	176609.56
325	177519.01	176629.50
326	177520.00	176695.50
327	177530.30	176715.56
330	177645.50	176394.59
331	177675.50	176394.14
332	177674.30	176314.15
333	177644.30	176314.60

NOTE - PROPERTY LINE STATIONS AND LOCATIONS ARE COMPUTED FROM INFORMATION OF RECORD AND ARE APPROXIMATE ONLY.

REVISION DATE	DATE 6/01/2023	SCALE, FEET 0 50' 100'	HWY: CTH B	STATE R/W PROJECT NUMBER 6767-01-01	PLAT SHEET 4.06
	GRID FACTOR		COUNTY: PORTAGE	CONSTRUCTION PROJECT NUMBER 6767-01-71	PS&E SHEET 195 E

FILE NAME : CTH B PLAT 2-8-23.DWG
LAYOUT NAME - 4.06
PLOT DATE : 6/1/2023 9:36 AM PLOT BY : AARON PARKS PLOT NAME : PLOT SCALE :

COURSE TABLE, PARCEL 19 FEE

FROM POINT	TO POINT	BEARING	DISTANCE
300	213	S89°24'35"W	1228.18'
213	410	N00°35'25"W	90.00'
410	220	S89°24'35"W	22.21'
220	411	N00°33'59"E	28.01'
411	410	S38°17'23"E	35.39'

COORDINATE TABLE

POINT	Y (NORTH)	X (EAST)
213	177616.68	178915.05
220	177706.45	178891.92
410	177706.68	178914.13
411	177734.45	178892.20

GN

CHARTER COMMUNICATIONS
RELEASE OF RIGHTS
PARCEL 19
PRESCRIPTIVE RIGHTS
82

VILLAGE OF PLOVER
RELEASE OF RIGHTS
PARCEL 19
DOCUMENT #332726
83

END RELOCATION ORDER

STA. 155+28.83
12.65' SOUTH AND 1228.11' WEST OF THE NORTH QUARTER CORNER OF SECTION 26, T23N, R8E
Y 177616.68
X 178915.05

VILLAGE OF PLOVER
173-23-0822-16.10

MATCH LINE

HOOVER AVENUE

120'

PL EXISTING R/W

VILLAGE OF PLOVER
173-23-0823-11.02

WOOD COUNTY NATIONAL BANK
173-23-0823-11.01
LOT 1
CSM #5839-21-155
DOCUMENT #491966

WOOD COUNTY NATIONAL BANK
173-23-0823-11.08
LOT 3-2
CSM #7093-26-23
DOCUMENT #556913

1830 PLOVER LLC
173-23-0823-11.09
LOT 3-3
CSM #7093-26-23
DOC. #556913

DISTRICT LLC
173-23-0823-11.15
LOT 1
CSM #011329
DOC. #860338

MAN-JAC INVESTMENTS LLC
173-23-0823-11.10
LOT 3-4
CSM #7093-26-23
DOCUMENT #556913

JERIFRED HOLDINGS CORP
173-23-0823-11.11
LOT 1
CSM #8579-34-109
DOCUMENT #660837

MEMBERS ADVANTAGE CREDIT UNION
173-23-0823-11.13
LOT 1
CSM #8781-36-11
DOCUMENT #670578

SIXTEENTH LINE

VILLAGE PARK DRIVE

MOUNT VIEW II LLC
173-23-0823-12.09
LOT 1
CSM #5999-22-72
DOC. #498592

45' UTILITY EASEMENT
DOC. #498592

30' R/W EASEMENT
DOC. #332726

30' RIGHT OF WAY EASEMENT
DOCUMENT #332724

30' RIGHT OF WAY EASEMENT
DOCUMENT #332727

30' RIGHT OF WAY EASEMENT
DOCUMENT #332727

1945
141+18.83,
1.00' LT.
Y 177602.16
X 177505.15
ALUMINUM MONUMENT

VARIES

STATE OF WISCONSIN
173-23-0823-B

CTH B / PLOVER ROAD

VARIES

STATE OF WISCONSIN
173-23-0823-A

R/L N89°08'25"E
R/L N89°17'18"E
R/L N89°08'03"E
R/L N89°09'20"E
R/L N89°39'40"E

SECTION LINE N89°24'35"E 2638.15'

145+31.13
154+41.92

VARIES

STATE OF WISCONSIN
173-23-0826-A

PI: 141+18.83
Y: 177601.16
X: 177505.17
DELTA: 179°51'07" RT.

PI: 144+84.08
Y: 177605.69
X: 177870.39
DELTA: 179°50'44" RT.

PI: 148+10.30
Y: 177610.62
X: 178196.57
DELTA: 179°58'43" LT.

PI: 155+11.41
Y: 177620.96
X: 178897.60
DELTA: 179°29'40" LT.

SEE SHEET 4.06

MENARD INC
173-23-0826-06.23
LOT 1
CSM #5803-21-119
LOT 1 AND LOT 2
CSM #8237-32-67
LOT 1
CSM #8427-33-107

NW-NW
SEC. 26, T23N, R8E

MENARDS DRIVE

SIMONCRE JC PALM IV LLC
173-23-0826-06.35
LOT 1
CSM #011557

SIMONCRE JC PALM IV LLC
173-23-0826-06.36
LOT 2
CSM #011557

1825 PLOVER PROPERTY LLC
173-23-0826-06.29
LOT 1
CSM #10570-47-150

CVP LLC
173-23-0826-06.30
LOT 2
CSM #10570-47-150

PLOVER

SE-SW
SEC. 23, T23N, R8E

NE-NW
SEC. 26, T23N, R8E

167+56.87, 9.00' LT.
Y 177629.33
X 180143.16
HARRISON CAST IRON MONUMENT

BASIS FOR EXISTING R/W

ROUTE	SOURCE
CTH B	R/W PROJECT T 05-3 (22), CSM #5839-21-155, 7093-26-232, 8579-24-109, 8781-36-11, 5803-21-119, 011557 & 10570-47-150
MENARDS DR.	CSM #5917-21-233, 5803-21-119 & 011557
HOOVER AVE.	R/W PROJECT T 05-3 (22), CSM #5839-21-155 & 5803-21-119
VILLAGE PARK DR.	CSM #8641-35-21, 10570-47-150, 8781-36-11, 482-2-142, 5999-22-72 & 8943-37-23

EXISTING ACCESS CONTROL ALONG CTH B HAS BEEN ESTABLISHED FROM PREVIOUS CONTROLLED ACCESS: CSM #5839-21-155, 011557 & 10570-47-150. FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WISCONSIN RAPIDS.

NOTE - PROPERTY LINE STATIONS AND LOCATIONS ARE COMPUTED FROM INFORMATION OF RECORD AND ARE APPROXIMATE ONLY.

REVISION DATE

DATE 6/01/2023
GRID FACTOR

SCALE, FEET 0 50' 100'

HWY: CTH B
COUNTY: PORTAGE

STATE R/W PROJECT NUMBER 6767-01-01
CONSTRUCTION PROJECT NUMBER 6767-01-71

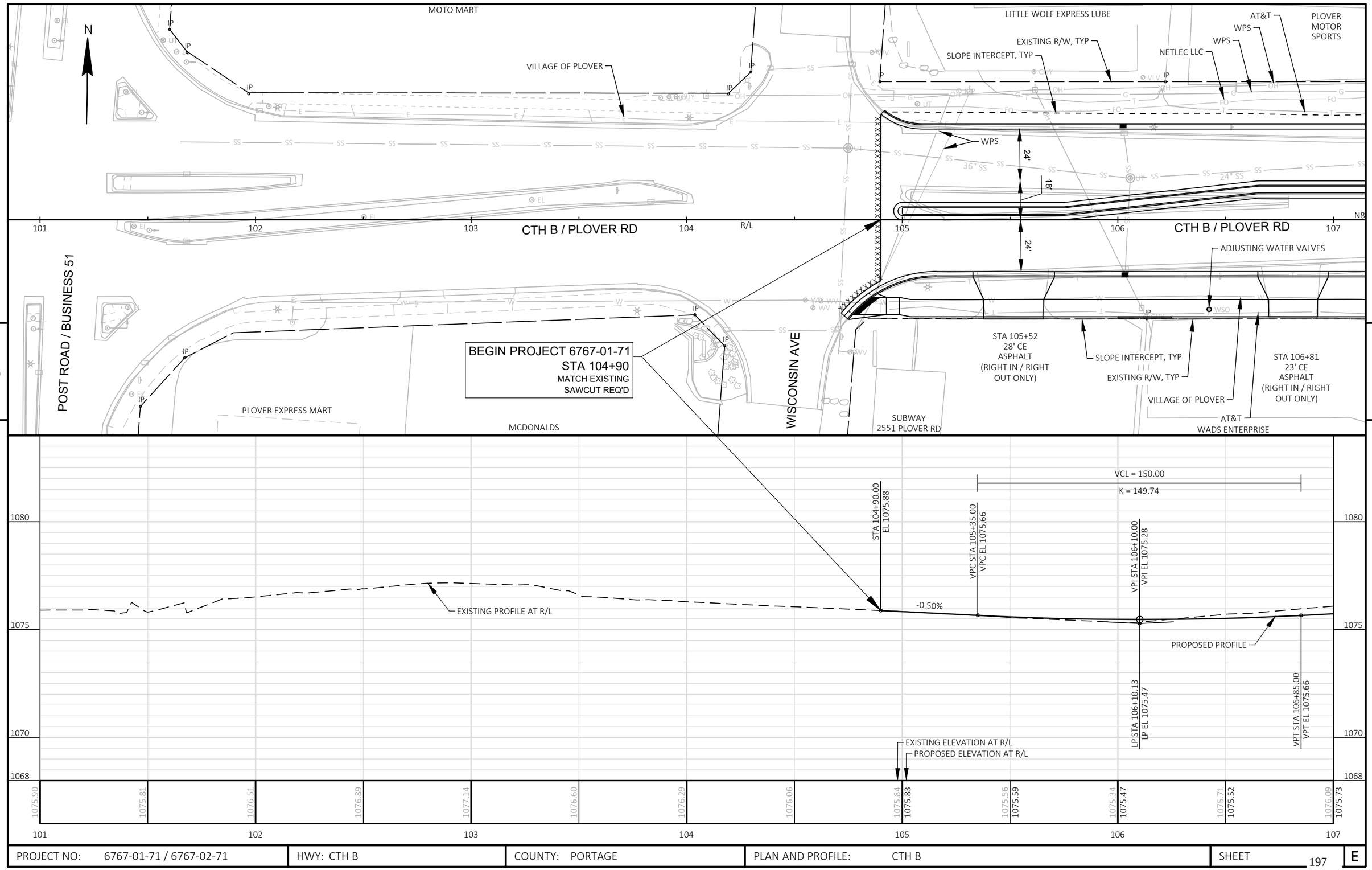
PLAT SHEET 4.07
PS&E SHEET 196

E

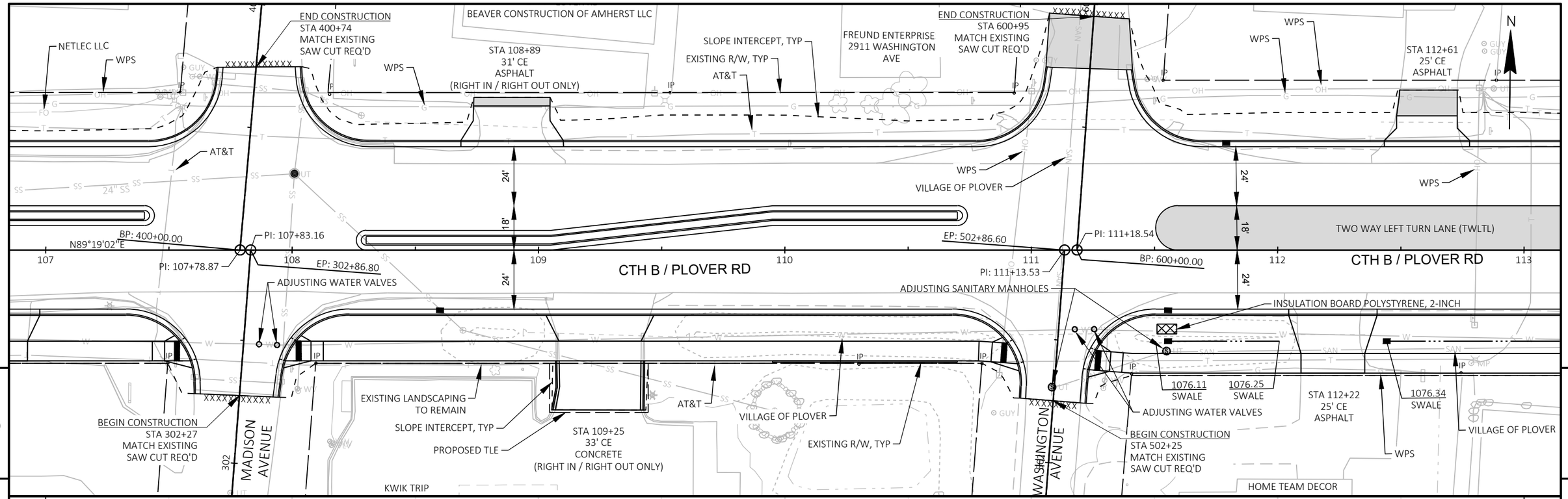
FILE NAME : CTH B PLAT 2-8-23.DWG
LAYOUT NAME - 4.07

PLOT DATE : 6/1/2023 9:36 AM PLOT BY : AARON PARKS PLOT NAME : PLOT SCALE :

WISDOT/CADDS SHEET 75



PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	PLAN AND PROFILE: CTH B	SHEET 197	E



PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	PLAN AND PROFILE: CTH B	SHEET 198	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\050101_PP\050101_PP.DWG
LAYOUT NAME - 2
PLOT DATE : 10/31/2023 2:30 PM
PLOT BY : JARED HALBUR
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

N

OKRAY INSURANCE

STA 113+84
36' PE
ASPHALT

HEARTLAND CUSTOM HOMES

SOUTH DRIVE

NETLEC LLC

WPS

STA 115+75
12' PE
GRAVEL

LEE HELM

WPS

EXISTING R/W, TYP

PROPOSED TLE

SLOPE INTERCEPT, TYP

STA 118+20
30' CE
ASPHALT

SHULFERS

REMOVE CIRCLE COURT

RELOCATING HYDRANTS

AT&T

IP

IP

WPS

CHARTER (SPECTRUM)

PI: 114+78.79

WPS

24'

18'

24'

89'

TWO WAY LEFT TURN LANE (TWLTL)

N89°13'18"E

113 114 115 116 117 118 119

CTH B / PLOVER RD

PI: 114+78.79

ADJUSTING SANITARY MANHOLES

1076.12
SWALE

RELOCATING HYDRANTS

ADJUSTING WATER VALVES

INSULATION BOARD POLYSTYRENE, 2-INCH

AT&T

ADJUSTING SANITARY MANHOLES

1076.34
SWALE

STA 113+80
30' CE
ASPHALT

1076.33
SWALE

STA 115+12
16' PE
GRAVEL

IP

IP

STORMWATER
MANAGEMENT AREA

SLOPE INTERCEPT, TYP

PROPOSED R/W

CHARTER (SPECTRUM)

PROPOSED TLE

VILLAGE OF PLOVER

EXISTING R/W, TYP

VILLAGE OF PLOVER

ST MICHAELS HOSPITAL

AT&T

EXISTING WATER SHUTOFF
TO REMAIN
DISHER PROPERTIES LLC

5

5

1085

1080

1075

1070

VPI STA 113+00.00
VPI EL 1078.73

VCL = 150.00

K = 150.00

VPT STA 115+00.00
VPT EL 1077.73

VPI STA 116+00.00
VPI EL 1077.23

EXISTING PROFILE AT R/L

-0.50%

0.50%

PROPOSED PROFILE

HP STA 113+00.00
HP EL 1078.23

VCL = 400.00

K = 400.00

VPC STA 115+25.00
VPC EL 1077.60

LP STA 116+00.00
LP EL 1077.42

VPT STA 116+75.00
VPT EL 1077.60

EXISTING ELEVATION AT R/L

PROPOSED ELEVATION AT R/L

1078.43	1078.23	1078.45	1078.20	1078.49	1078.10	1078.67	1077.95	1078.83	1077.73	1079.00	1077.50	1079.16	1077.42	1079.23	1077.50	1079.29	1077.73	1079.43	1077.98	1079.58	1078.23	1079.72	1078.48	1079.88	1078.73

113 114 115 116 117 118 119

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	PLAN AND PROFILE: CTH B	SHEET 199	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\050101_PP\050101_PP.DWG
LAYOUT NAME - 3

PLOT DATE : 10/31/2023 2:30 PM PLOT BY : JARED HALBUR PLOT NAME : PLOT SCALE : 1 IN:40 FT

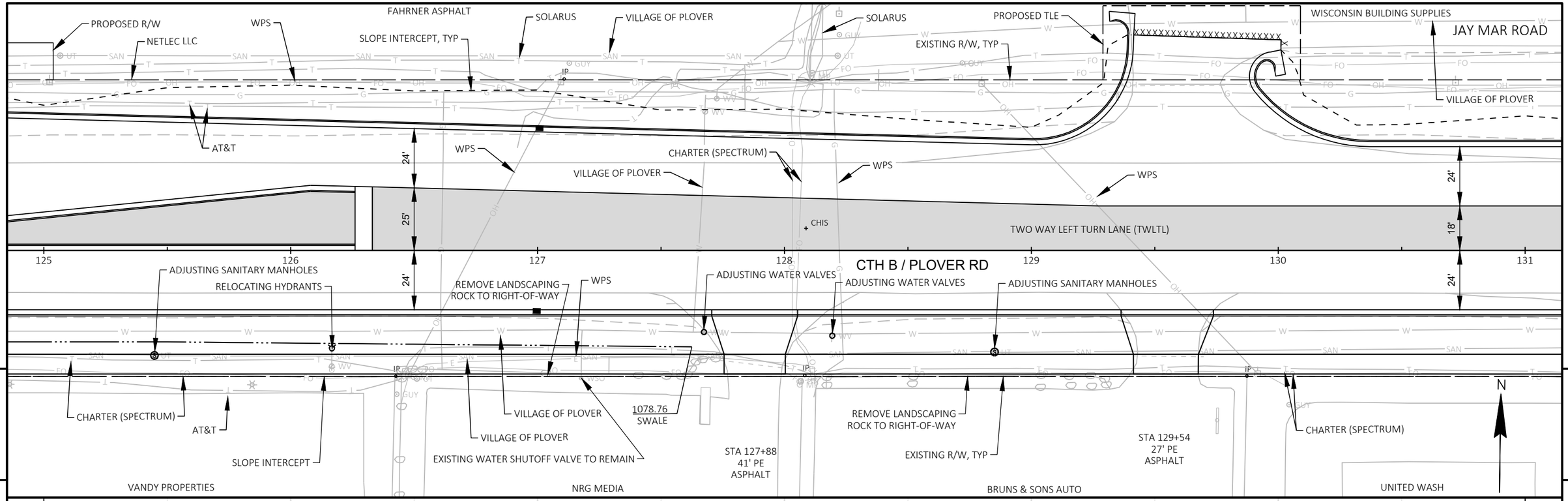
WISDOT/CADDS SHEET 44

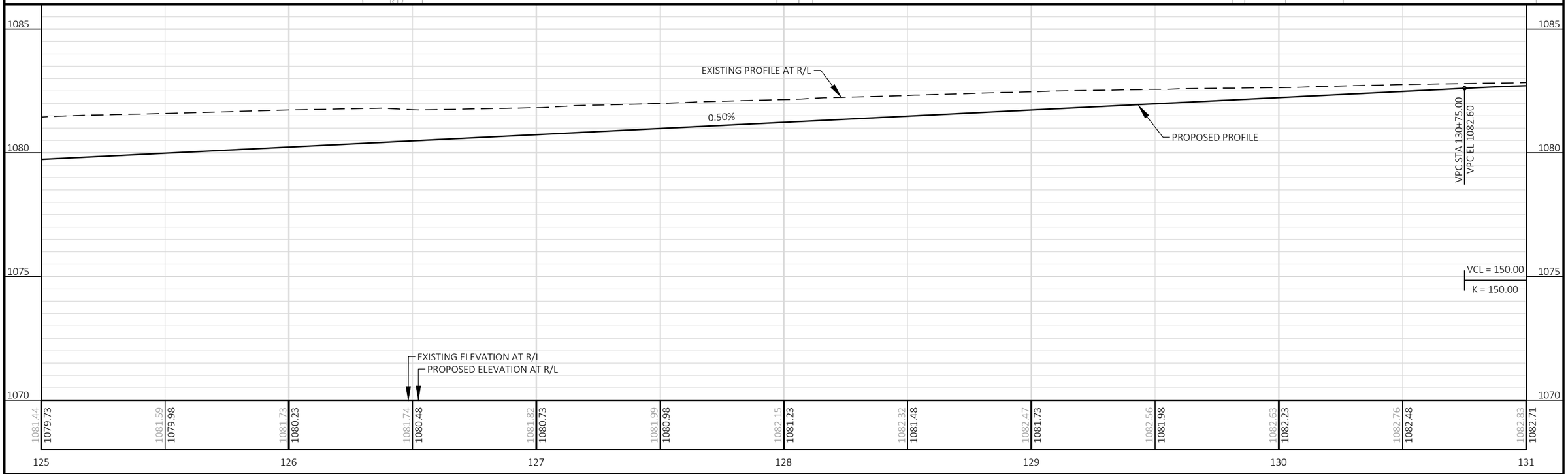
VILLAGE OF PLOVER
REMOVE CIRCLE COURT
VILLAGE OF PLOVER
WPS
NETLEC LLC
1077.53 SWALE
1077.76 SWALE
ADJUSTING WATER VALVES
ADJUSTING SANITARY MANHOLES
AT&T
ADJUSTING SANITARY MANHOLES
RELOCATING HYDRANTS
PROPOSED R/W
SOLARUS
FAHRNER ASPHALT
EXISTING R/W, TYP
RIGHT TURN LANE
WPS
24'
10'
20'
56'
SLOTTED LEFT TURN LANE
SLOTTED LEFT TURN LANE
10' 10' 10'
10' 10' 10'
119 120 121 122 123 124 125
CTH B / PLOVER RD
BP: 204+07.42
EP: 204+07.42
RELOCATING HYDRANTS
36'
24'
INSULATION BOARD POLYSTYRENE, 2-INCH
ADJUSTING SANITARY MANHOLES
WPS
VILLAGE OF PLOVER
INSULATION BOARD POLYSTYRENE, 2-INCH
CHARTER (SPECTRUM)
AT&T
PROPOSED TLE
EXISTING R/W, TYP
ST MICHAELS HOSPITAL
VILLAGE OF PLOVER
VILLAGE OF PLOVER
SLOPE INTERCEPT, TYP
PROPOSED R/W
MECCA DRIVE
PROPOSED R/W
ADJUSTING WATER VALVES
1077.44 SWALE
1077.29 SWALE
VANDY PROPERTIES
2351 PLOVER RD
N
5
5

VCL = 150.00
K = 150.00
EXISTING PROFILE AT R/L
VPC STA 121+25.00 VPC EL 1079.86
VPI STA 122+00.00 VPI EL 1080.23
VPT STA 122+75.00 VPT EL 1079.86
VPI STA 124+00.00 VPI EL 1079.23
1085
1080
1075
1072
0.50%
-0.50%
PROPOSED PROFILE
HP STA 122+00.00 HP EL 1080.04
VPC STA 123+25.00 VPC EL 1079.60
LP STA 124+00.00 LP EL 1079.42
VPT STA 124+75.00 VPT EL 1079.60
EXISTING ELEVATION AT R/L
PROPOSED ELEVATION AT R/L
VCL = 150.00
K = 150.00

119	120	121	122	123	124	125
1079.88 / 1078.73	1080.04 / 1078.98	1080.06 / 1079.23	1080.13 / 1079.48	1080.29 / 1079.73	1080.40 / 1079.96	1080.60 / 1080.04
1080.79 / 1079.96	1080.89 / 1079.73	1080.92 / 1079.50	1081.07 / 1079.42	1081.26 / 1079.50	1081.44 / 1079.73	

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	PLAN AND PROFILE: CTH B	SHEET 200	E





PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	PLAN AND PROFILE: CTH B	SHEET 201	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\050101_PP\050101_PP.DWG
LAYOUT NAME - 5

PLOT DATE : 10/31/2023 2:31 PM PLOT BY : JARED HALBUR PLOT NAME : PLOT SCALE : 1 IN:40 FT

JAY MAR ROAD

CHARTER (SPECTRUM)

JAYMAR

PROPOSED JAY-MAR ROAD ENTRANCE

REMOVE JAY-MAR ROAD ENTRANCE

OAKVIEW VETERINARY

VILLAGE OF PLOVER

EXISTING R/W, TYP

WPS

AT&T

PI: 132+58.33

42'

24'

20'

TWO WAY LEFT TURN LANE (TWLTL)

ADJUSTING SANITARY MANHOLES

EP: 701+73.94

PI: 132+73.33

CTH B / PLOVER RD

N88°11'57"E

131

132

133

134

135

136

137

ADJUSTING WATER VALVES

ADJUSTING SANITARY MANHOLES

RELOCATING HYDRANTS

INSULATION BOARD POLYSTYRENE, 2-INCH

ADJUSTING SANITARY MANHOLES

5

5

N

VILLAGE OF PLOVER

VILLAGE OF PLOVER

PROPOSED R/W

IBER LANE

701

BEGIN CONSTRUCTION
STA 700+82
MATCH EXISTING
SAW CUT REQ'D

PROPOSED R/W

1080.10
SWALE

AT&T

EXISTING WATER SHUTOFF VALVE TO REMAIN

EXISTING R/W, TYP

SLOPE INTERCEPT, TYP

1080.44
SWALE

STA 136+22
46' PE
ASPHALT

1079.62
SWALE

UNITED WASH

NAPA

WISCONSIN PUBLIC SERVICE

1090

1085

1080

1075

VPI STA 131+50.00
VPI EL 1082.98

VPT STA 132+25.00
VPT EL 1082.60

VCL = 150.00
K = 149.48

VPI STA 134+00.00
VPI EL 1081.73

EXISTING PROFILE AT R/L

-0.50%

PROPOSED PROFILE

HP STA 131+50.00
HP EL 1082.79

VCL = 150.00
K = 150.00

EXISTING ELEVATION AT R/L
PROPOSED ELEVATION AT R/L

VPC STA 133+25.00
VPC EL 1082.10

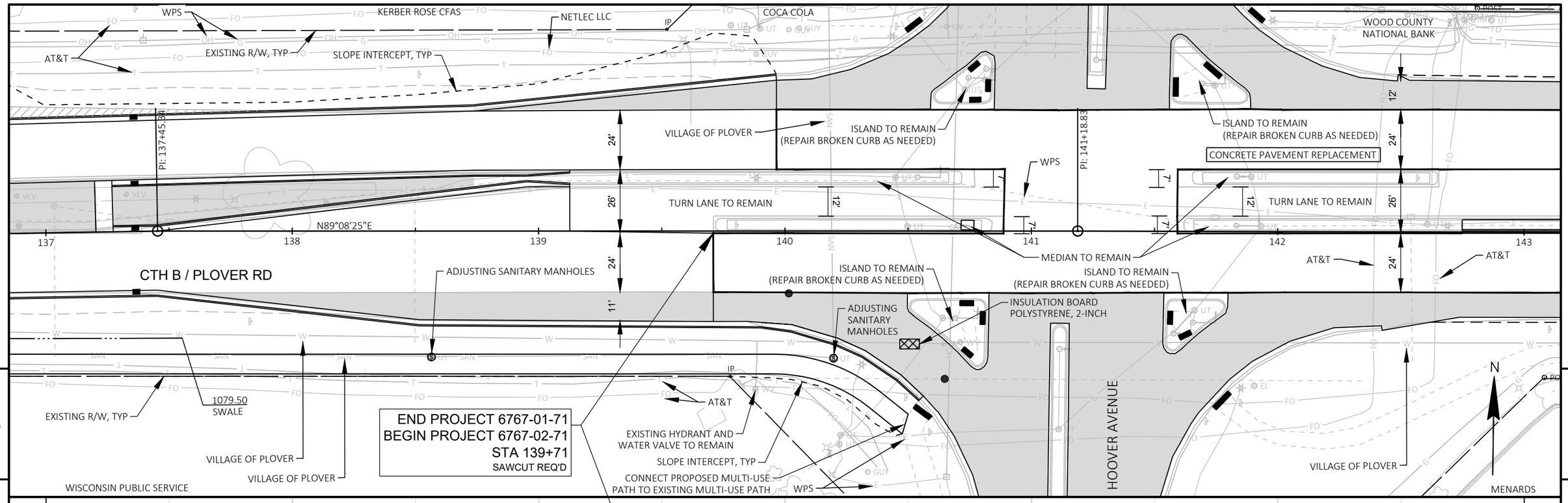
LP STA 133+99.74
LP EL 1081.92

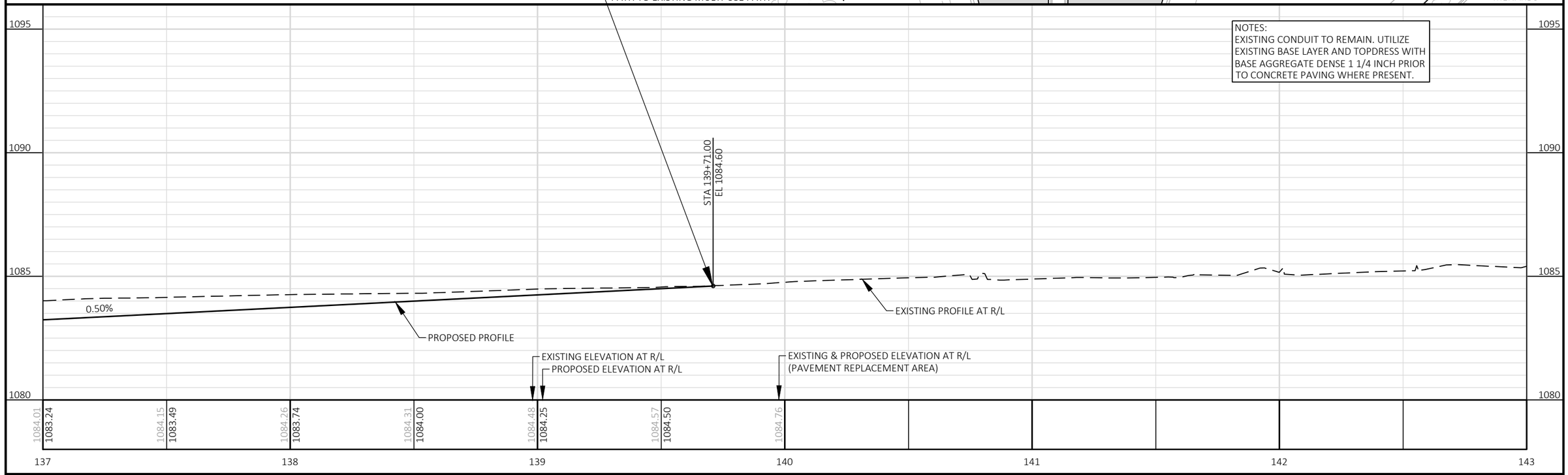
VPT STA 134+75.00
VPT EL 1082.11

1082.83	1082.71	1082.91	1082.79	1082.98	1082.71	1083.07	1082.48	1083.19	1082.23	1083.25	1082.00	1083.37	1081.92
1083.52	1082.00	1083.64	1082.23	1083.75	1082.49	1083.85	1082.74	1083.93	1082.99	1084.01	1083.24		

131 132 133 134 135 136 137

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	PLAN AND PROFILE: CTH B	SHEET 202	E





PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	PLAN AND PROFILE: CTH B	SHEET 203	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\050101_PP\050101_PP.DWG
LAYOUT NAME - 7
PLOT DATE : 10/31/2023 2:32 PM
PLOT BY : JARED HALBUR
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

COCA-COLA
LONE OAK - WISCONSIN
LLC
2010 JAY-MAR RD

VILLAGE OF PLOVER

EXISTING R/W, TYP

NETLEC LLC

IP

AT&T

ISLAND TO REMAIN

PI: 141+18.83

WPS

TURN LANE TO REMAIN

MEDIAN TO REMAIN

ISLAND TO REMAIN

ISLAND TO REMAIN

AT&T

AT&T

IP

AT&T

END PROJECT 6767-01-71
(URBAN RECONSTRUCTION)
BEGIN PROJECT 6767-02-71
(PAVEMENT REPLACEMENT)
STA 139+71
SAWCUT REQ'D

EXISTING HYDRANT AND WATER VALVE TO REMAIN

CONNECT PROPOSED SIDEWALK
TO EXISTING MULTI-USE PATH

HOOVER AVENUE

WISCONSIN PUBLIC SERVICE

WOOD COUNTY NATIONAL BANK
1900 PLOVER RD

SOLARUS

EXISTING R/W, TYP

WPS

VILLAGE OF PLOVER

VILLAGE OF PLOVER

EXISTING R/W EASEMENT

CHARTER
(SPECTRUM)

EXISTING HYDRANT AND WATER VALVE TO REMAIN

AT&T

MEDIAN TO REMAIN
(EXISTING TREES/LIGHTING/UTILITIES TO REMAIN)

CONCRETE PAVEMENT REPLACEMENT

PI: 144+84.08

TURN LANE TO REMAIN

CTH B / PLOVER RD

WPS

STAMPING COLORED CONCRETE &
CONCRETE CURB & GUTTER 18-INCH TYPE A, TYP

EXISTING R/W, TYP

WPS

VILLAGE OF PLOVER

WPS

MENARDS INC
1901 PLOVER RD

LEGEND:
XXXXXXX SAWCUT
HMA

5

5

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	PLAN: CTH B	SHEET 204	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\050101_PP\050101_PP.DWG
LAYOUT NAME - 8

PLOT DATE : 10/31/2023 2:32 PM PLOT BY : JARED HALBUR PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

VERIZON
1830 PLOVER LLC
1830 PLOVER RD

MAN-JAC INVESTMENT
LLC
1810 PLOVER RD

KFC
JERIFRED HOLDINGS
CORP
1770 PLOVER RD

N

EXISTING R/W EASEMENT

CONNECT TO EXISTING SIDEWALK

EXISTING R/W, TYP

WPS

VILLAGE OF PLOVER

VILLAGE OF PLOVER

PROPOSED R/W

CHARTER (SPECTRUM)

SOLARUS

EXISTING HYDRANT AND WATER VALVE TO REMAIN

AT&T

PI: 144+84.08

AT&T

STAMPING COLORED CONCRETE &
CONCRETE CURB & GUTTER 18-INCH TYPE A, TYP

MEDIAN TO REMAIN
(EXISTING TREES/LIGHTING/UTILITIES TO REMAIN)

CTH B / PLOVER RD

PI: 148+10.30

CONCRETE PAVEMENT REPLACEMENT

MEDIAN TO REMAIN
(EXISTING TREES/LIGHTING/UTILITIES TO REMAIN)

STAMPING COLORED CONCRETE &
CONCRETE CURB & GUTTER 18-INCH TYPE A, TYP

6'
24'
26'
24'
10'
6'
24'
26'
24'
6'

145 146 147 148 149 150 151

WPS

VILLAGE OF PLOVER

EXISTING R/W, TYP

MENARDS DRIVE

EXISTING
SIGN BRIDGE
TO REMAIN

EXISTING R/W, TYP

STARBUCKS
SIMONCRE JC PALM IV
LLC
0 MENARDS DR

RDS INC
OVER RD

LEGEND:
XXXXXXX SAWCUT
HMA

5

5

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	PLAN: CTH B	SHEET 205	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\050101_PP\050101_PP.DWG
LAYOUT NAME - 9

PLOT DATE : 10/31/2023 2:32 PM PLOT BY : JARED HALBUR PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

DINGS
R RD

MEMBERS ADVANTAGE CREDIT UNION
1760 PLOVER RD

VILLAGE OF PLOVER

SOLARUS

WPS

EXISTING R/W EASEMENT

EXISTING HYDRANT AND WATER VALVES TO REMAIN

BP / BURGER KING
MOUNT VIEW II LLC
2900 VILLAGE PARK DR

N

PROPOSED R/W

EXISTING R/W, TYP

MEDIAN TO REMAIN
(EXISTING TREES/LIGHTING/UTILITIES TO REMAIN)

POST

6'

10'

STAMPING COLORED CONCRETE &
CONCRETE CURB & GUTTER 18-INCH TYPE A, TYP

24'

CONCRETE PAVEMENT REPLACEMENT

VILLAGE OF PLOVER

PI 155+11.41

WPS

MEDIAN TO REMAIN
(EXISTING TREES/LIGHTING/UTILITIES TO REMAIN)

26'

N89°24'35"E

151 152 153 154 155 156 157

STAMPING COLORED CONCRETE &
CONCRETE CURB & GUTTER 18-INCH TYPE A, TYP

WPS

24'

CTH B / PLOVER RD

12'

6'

VILLAGE OF PLOVER

WPS

ARBY'S
1825 PLOVER
PROPERTIES LLC
1825 PLOVER RD

CULVER'S
CVP LLC
1805 PLOVER RD

EXISTING R/W, TYP

EXISTING R/W, TYP

VILLAGE PARK DRIVE

AMOCO / DUNKIN
SCF RC FUNDIN
3001 VILLAGE P

LEGEND:
XXXXXXX SAWCUT
HMA

NOTES:
EXISTING CONDUIT TO REMAIN. UTILIZE EXISTING BASE LAYER AND TOPDRESS WITH BASE AGGREGATE DENSE 1 1/4 INCH PRIOR TO CONCRETE PAVING WHERE PRESENT.

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	PLAN: CTH B	SHEET 206	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\050101_PP\050101_PP.DWG
LAYOUT NAME - 10

PLOT DATE : 10/31/2023 2:32 PM PLOT BY : JARED HALBUR PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

TACO BELL
PAMELA ROBERTSON
TRUST
1550 PLOVER RD

SAMOEUN'S HAPPY
WOK
1540 PLOVER ROAD
LLC
1540 PLOVER RD

AMERICINN
KANAK LLC
1501 AMERICAN DR

N

VILLAGE OF PLOVER

EXISTING R/W, TYP

AT&T

WPS

WPS

CHARTER (SPECTRUM)

AT&T

SOLARUS

IP

IP

IP

6'

36'

16'

24'

6'

WPS

CONCRETE PAVEMENT REPLACEMENT

PI: 160+77.93

STAMPING COLORED CONCRETE &
CONCRETE CURB & GUTTER 18-INCH TYPE A, TYP

5

5

157

158

159

160

161

162

163

CTH B / PLOVER RD

MEDIAN TO REMAIN
(EXISTING TREES/LIGHTING/UTILITIES TO REMAIN)

STAMPING COLORED CONCRETE &
CONCRETE CURB & GUTTER 18-INCH TYPE A, TYP

WPS

WPS

EXISTING
SIGN BRIDGE
TO REMAIN

EXISTING R/W, TYP

AMOCO / DUNKIN' DONUTS
SCF RC FUNDING IV LLC
3001 VILLAGE PARK DR

PLOVER AUTO CENTER

MARK TOYOTA OF PLOVER

LEGEND:
XXXXXXX SAWCUT
HMA

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	PLAN: CTH B	SHEET 207	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\050101_PP\050101_PP.DWG
LAYOUT NAME - 11

PLOT DATE : 10/31/2023 2:32 PM PLOT BY : JARED HALBUR PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

VILLAGE OF PLOVER

EXISTING R/W, TYP

CHARTER (SPECTRUM)

AT&T

WPS

IH 39 SOUTHBOUND OFF RAMP

N

WPS

STAMPING COLORED CONCRETE & CONCRETE CURB & GUTTER 18-INCH TYPE A, TYP

WPS

PI: 165+00.75

WPS

PI: 167+27.54

5

5

163

164

165

166

167

168

169

CONCRETE PAVEMENT REPLACEMENT

END PROJECT 6767-02-71
STA 164+24
MATCH EXISTING
SAWCUT REQ'D

CTH B / PLOVER RD

STAMPING COLORED CONCRETE & CONCRETE CURB & GUTTER 18-INCH TYPE A, TYP

IP MP

IP

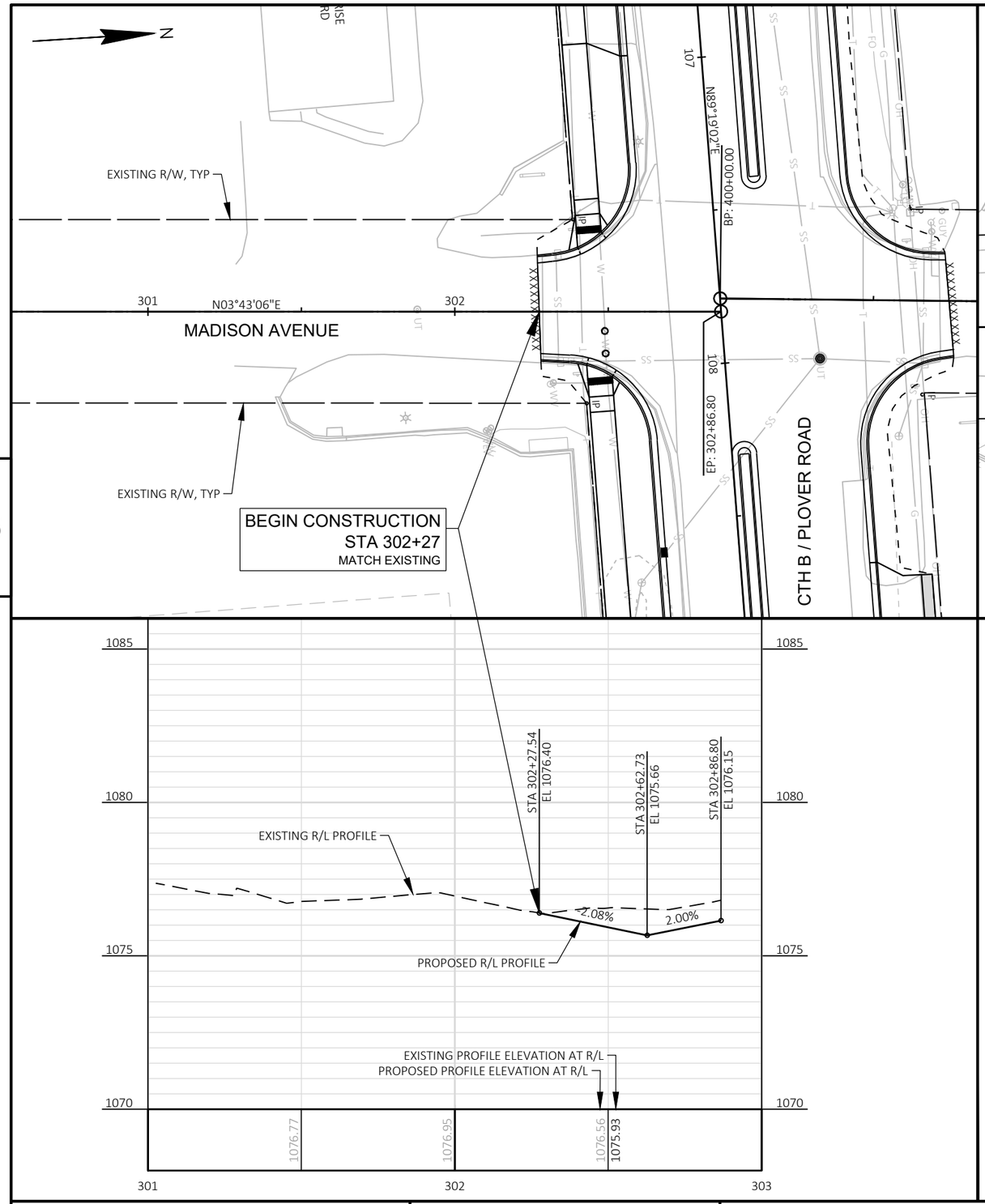
MEDIAN TO REMAIN
(EXISTING TREES/LIGHTING/UTILITIES TO REMAIN)

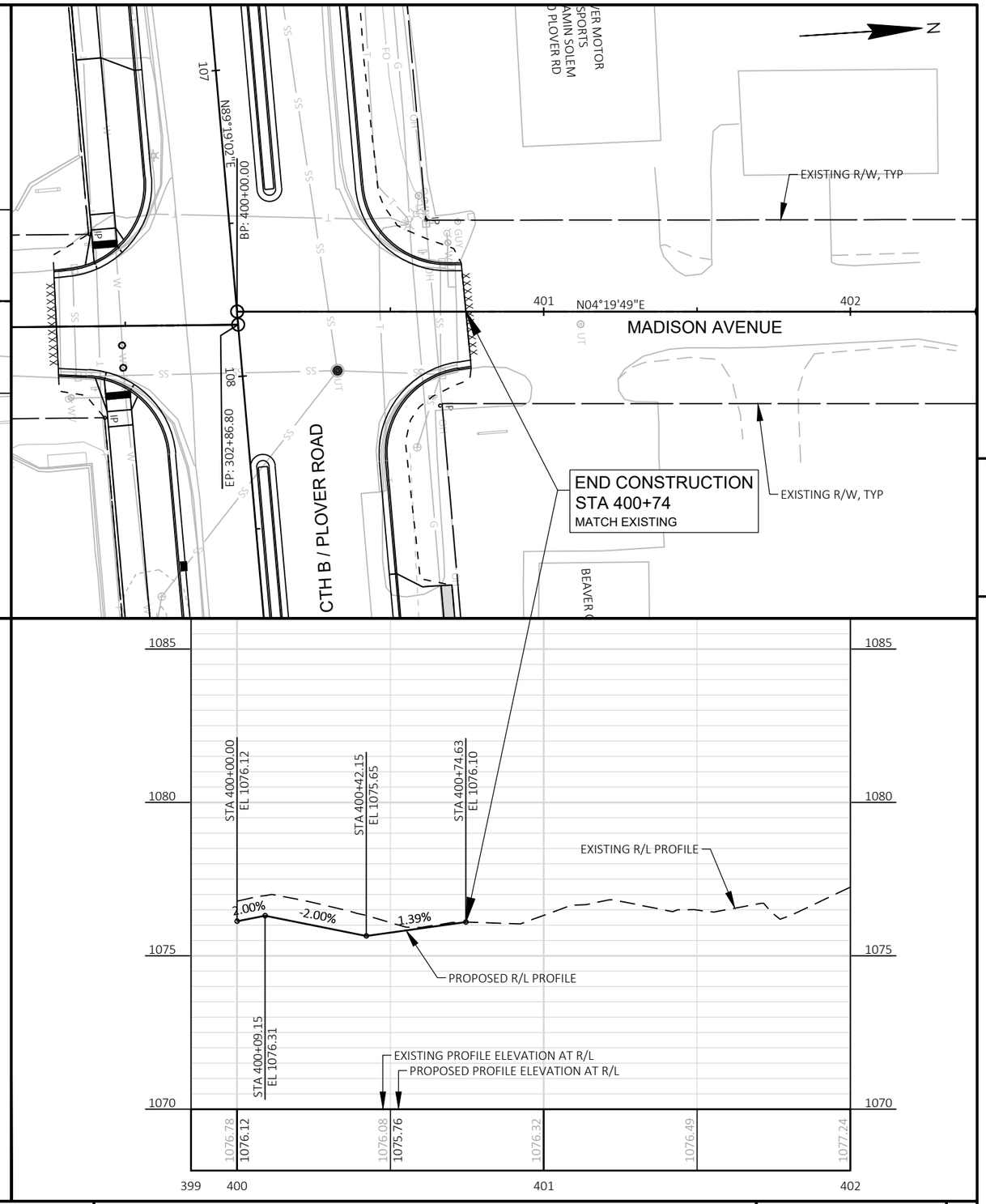
EXISTING R/W, TYP

IH 39 SOUTHBOUND ON RAMP

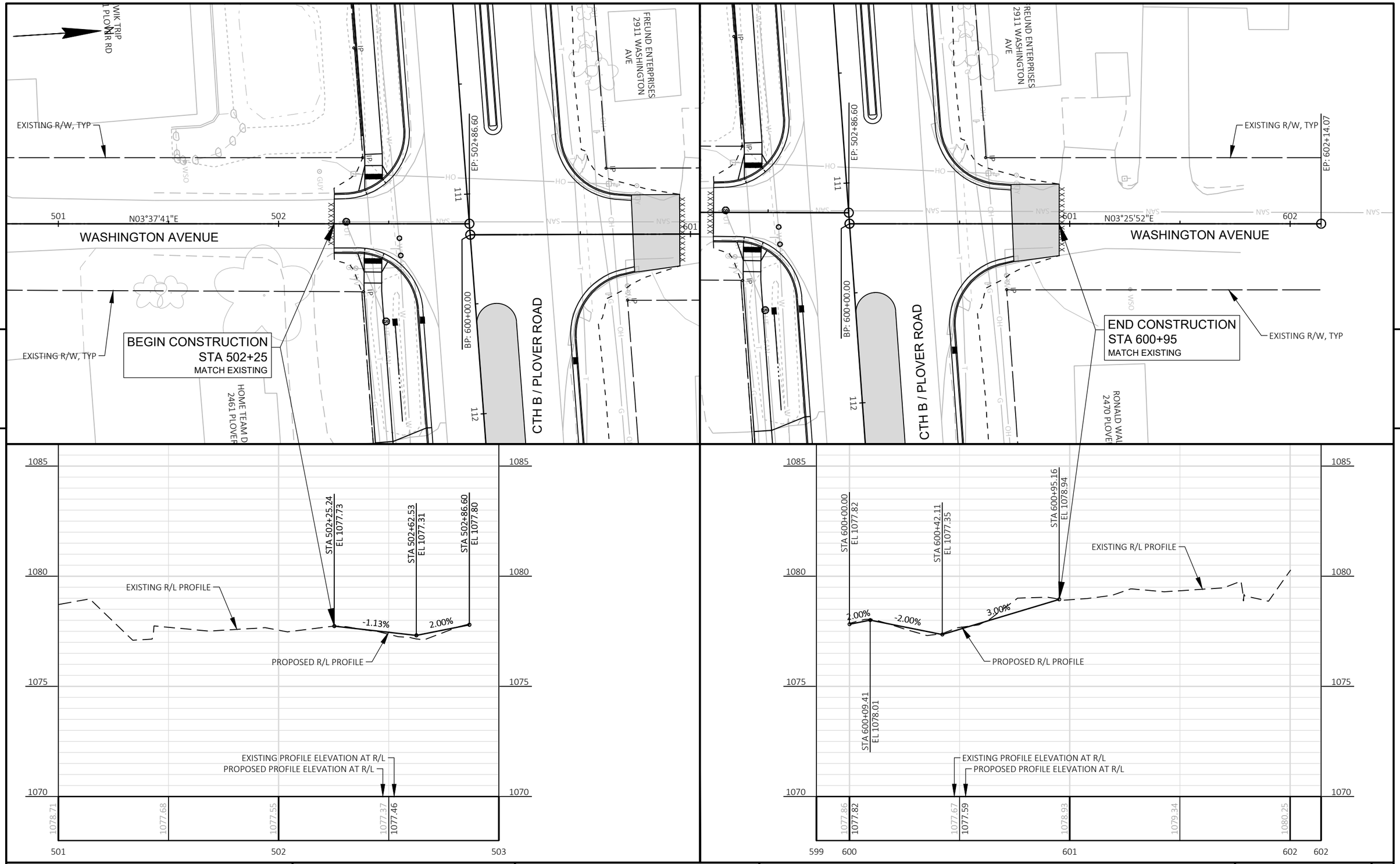
LEGEND:
XXXXXXX SAWCUT
HMA

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	PLAN: CTH B	SHEET 208	E





PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	PLAN AND PROFILE: MADISON AVENUE	SHEET 209 E



PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	PLAN AND PROFILE: WASHINGTON AVENUE	SHEET 210 E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\050101_PP\050101_PP.DWG
LAYOUT NAME - 14

PLOT DATE : 10/31/2023 2:33 PM PLOT BY : JARED HALBUR PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

LEGEND:
xxxxxxx SAWCUT
HMA

VILLAGE OF PLOVER
WPS
AT&T
BP: 200+00.00
EXISTING R/W, TYP
STA 202+19
24' CE
ASPHALT
PROPOSED TLE
PROPOSED R/W
N
BP: 204+07.42
MECCA DRIVE
201
202
N00°25'23"E
203
204
205
VILLAGE OF PLOVER
PROPOSED R/W
EP: 204+07.42
CTH B / PLOVER ROAD
BEGIN CONSTRUCTION
STA 201+88
MATCH EXISTING
PROPOSED TLE
STA 201+84'
30' CE
ASPHALT
EXISTING R/W, TYP

1090
1085
1080
1075

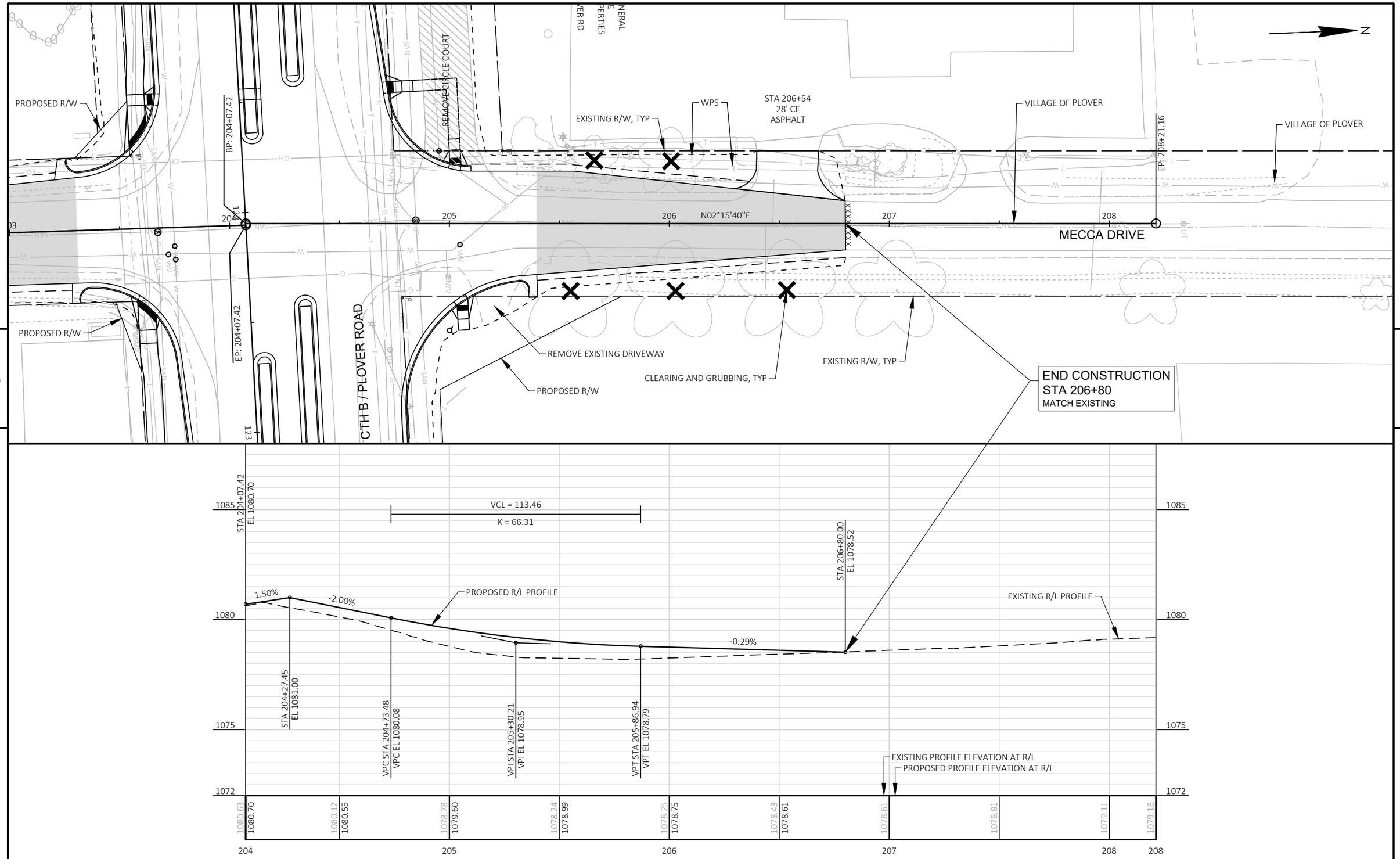
STA 201+88.00
EL 1080.04
STA 203+73.45
EL 1079.32
STA 204+07.42
EL 1080.00

EXISTING R/L PROFILE
0.39%
1.99%
PROPOSED R/L PROFILE
EXISTING PROFILE ELEVATION AT R/L
PROPOSED PROFILE ELEVATION AT R/L

200	201	202	203	204	204
1079.75	1079.92	1079.98	1079.97	1080.06	1079.99
1080.09	1079.80	1080.15	1079.61	1080.20	1079.41
1080.51	1079.85	1080.04	1080.00		

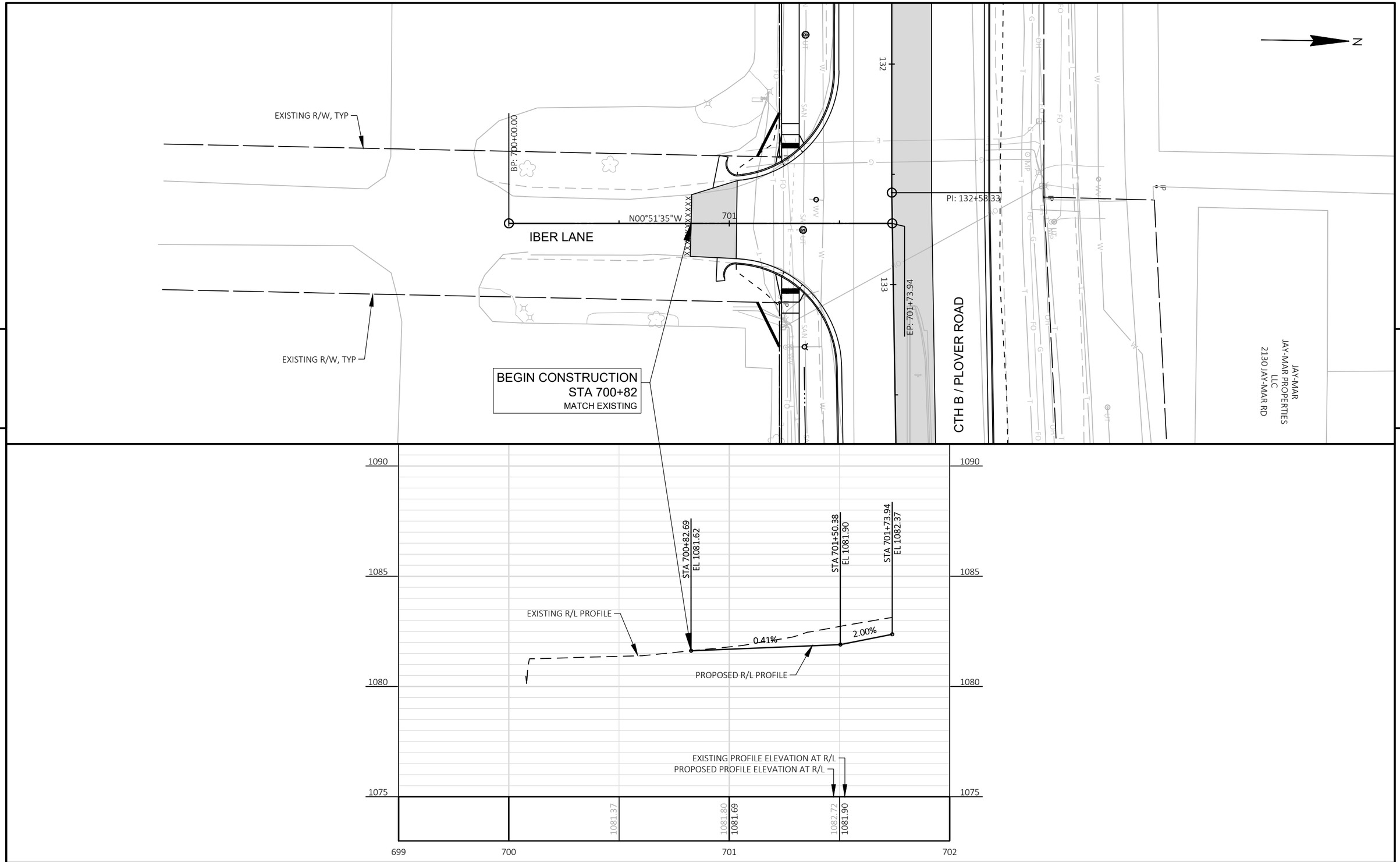
PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	PLAN AND PROFILE: MECCA DRIVE (SOUTH)	SHEET 211	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\050101_PP\050101_PP.DWG
LAYOUT NAME - 15
PLOT DATE : 10/31/2023 2:33 PM PLOT BY : JARED HALBUR PLOT NAME : PLOT SCALE : 1 IN:40 FT



PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	PLAN AND PROFILE: MECCA DRIVE (NORTH)	SHEET 212	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\050101_PP\050101_PP.DWG
LAYOUT NAME - 16
PLOT DATE : 10/31/2023 2:33 PM
PLOT BY : JARED HALBUR
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	PLAN AND PROFILE: IBER LANE	SHEET 213	E

Standard Detail Drawing List

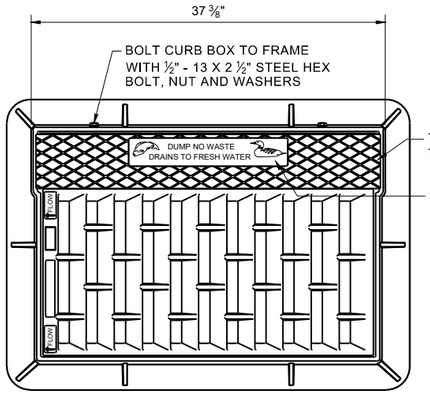
08A05-20A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-20B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-20D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08A09-02	CATCH BASINS 2X3-FT AND 2.5X3-FT
08B09-03	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT, 10-FT DIAMETER
08C06-02	INLETS 3-FT AND 4-FT DIAMETER
08C07-02	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08C08-02	INLETS MEDIAN 1 AND 2 GRATE
08D01-23A	CONCRETE CURB & GUTTER
08D01-23B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D04-07	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D05-21A	CURB RAMPS TYPES 1 AND 1-A
08D05-21B	CURB RAMPS TYPES 2 AND 3
08D05-21C	CURB RAMPS TYPES 4A AND 4A1
08D05-21D	CURB RAMPS TYPE 4B AND 4B1
08D05-21E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-21F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-21G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08D18-04	DRIVEWAY AND SIDEWALK RAMPS TYPES X & Y
08D19-04	DRIVEWAY AND SIDEWALK RAMPS TYPE Z
08D20-01	DRIVEWAYS WITH CURB & GUTTER RETURNS
08D21-01	DRIVEWAYS WITHOUT CURB & GUTTER
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
08E15-01	CULVERT PIPE CHECK
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09A01-14A	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE INTERSECTION BYPASS LANE
09A01-14B	AT-GRADE SIDE ROAD INTERSECTION, TYPE "A1" & "A2"
09B02-10	CONDUIT
09B16-02	PULL BOX NON-CONDUCTIVE
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09C06-07	CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL
09C14-03	CONCRETE CONTROL CABINET BASE, TYPE L
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09D02-03	SIGNAL CONTROL CABINET
09D04-03	LIGHTING CONTROL CABINET 120/240 VOLT
09E01-15A	POLE MOUNTINGS FOR TRAFFIC SIGNALS TYPE 2
09E01-15B	POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS, TYPE 3 (HEAVY DUTY)
09E01-15E	POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 6 (35 FEET)
09E01-15G	HARDWARE DETAILS FOR POLE MOUNTINGS
09E03-06	NON-FREEWAY LIGHTING UNIT POLE WIRING
09E06-05	TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.
09E07-06	TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS
09F15-04B	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
09H11-01	IDENTIFICATION PLAQUE REQUIREMENTS AND PLACEMENTS
11B01-05	CONCRETE CORRUGATED MEDIAN
11B02-02	CONCRETE MEDIAN NOSE
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C16-02A	DETAIL FOR RIGHT TURN LANE/TEE INTERSECTION BYPASS LANE ON A CONRETE ROADWAY
13C16-02B	DETAIL FOR RIGHT TURN LANE/TEE INTERSECTION BYPASS LANE ON A CONRETE ROADWAY
13C18-08A	CONCRETE PAVEMENT JOINTING
13C18-08B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-08C	CONCRETE PAVEMENT JOINT TYPES
13C18-08D	CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES
13C18-08E	CONCRETE PAVEMENT JOINTING AND STEEL REINFORCEMENT IN ROUNDABOUTS
13C19-03	HMA LONGITUDINAL JOINTS
15C02-09A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-09B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-09C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C02-09F	ADVANCED WIDTH RESTRICTION SIGNING
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS

6

Standard Detail Drawing List

15C07-15C	PAVEMENT MARKING ARROWS
15C08-23A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C08-23B	TEMPORARY LONGITUDINAL PAVEMENT MARKING
15C08-23C	PAVEMENT MARKING (TURN LANES)
15C08-23D	PAVEMENT MARKING (TURN LANES)
15C11-10A	CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C18-08A	MEDIAN ISLAND MARKING PAVEMENT MARKINGS
15C18-08B	MEDIAN ISLAND MARKING MEDIAN ISLAND NOSE
15C18-08C	MEDIAN PAVEMENT MARKINGS DOUBLE ARROW WARNING SIGN PLACEMENT
15C19-08A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C19-08B	MOVING PAVEMENT MARKING OPERATION MULTI-LANE UNDIVIDED ROADWAY
15C19-08C	MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-06A	PAVEMENT MARKING (INTERSECTIONS)
15D06-06	TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION
15D12-11A	TRAFFIC CONTROL, LANE CLOSURE
15D20-07A	TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY
15D20-07B	TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D20-07C	TRAFFIC CONTROL, SINGLE LEFT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D21-07A	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D21-07B	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D30-09A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09B	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09D	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09E	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09F	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09G	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09H	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09I	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09J	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09K	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09L	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D40-05A	TRAFFIC CONTROL, FULL LANE SHIFT NON-FREEWAY OR MULTILANE DIVIDED 45 MPH AND UNDER
16A01-07	LANDMARK REFERENCE MONUMENTS AND COVERS

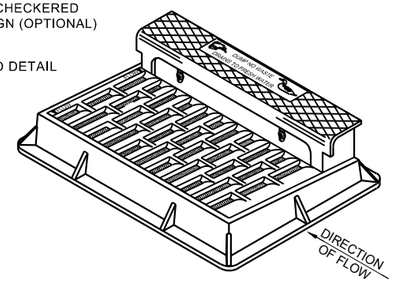
6



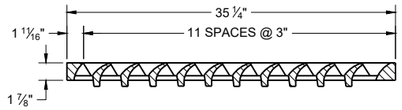
TYPE "C" CHECKERED TOP DESIGN (OPTIONAL)

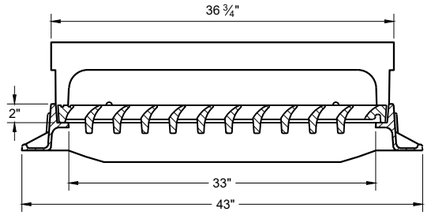
SEE LOGO DETAIL

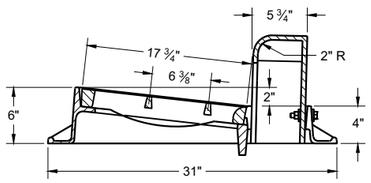
NOTE: EITHER CASTING IS ACCEPTABLE

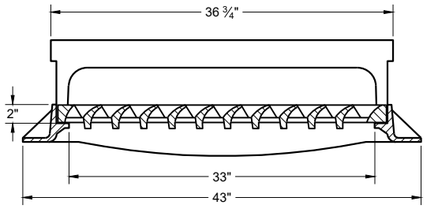


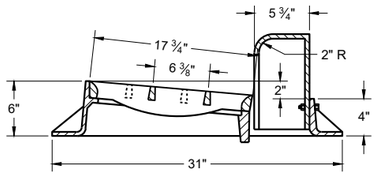
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"







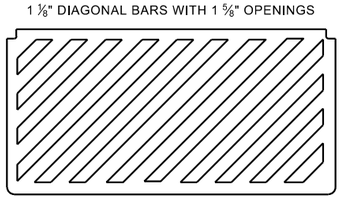




TYPE "H"

NOTE: EITHER CASTING IS ACCEPTABLE

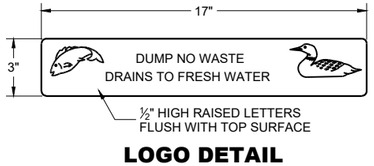
1 ⅛" DIAGONAL BARS WITH 1 ⅝" OPENINGS



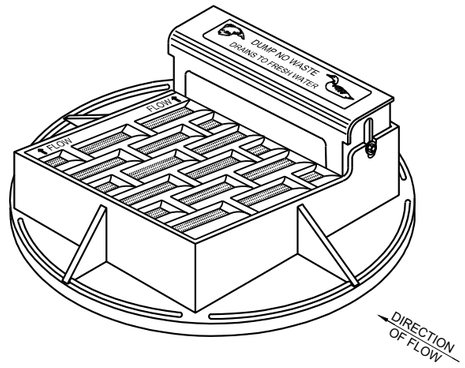
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35" X 17 ¾" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

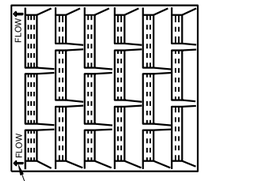


LOGO DETAIL

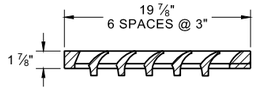


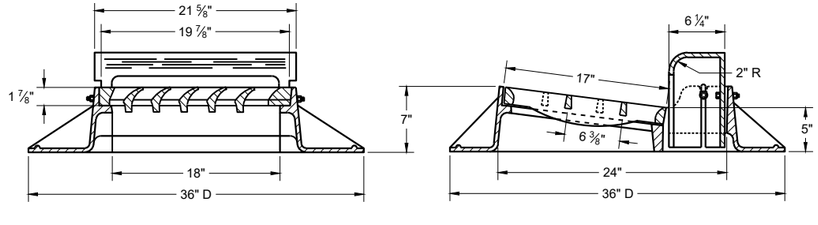
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"

NOTE: EITHER CASTING IS ACCEPTABLE



DIRECTION OF FLOW ARROWS





TYPE "A"

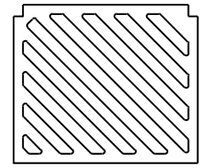
GENERAL NOTES

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.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

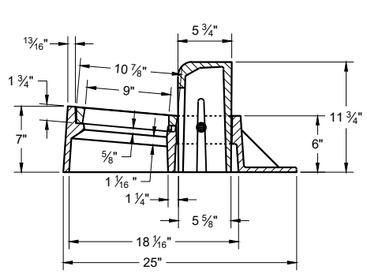
1" DIAGONAL BARS WITH 1 ½" OPENINGS

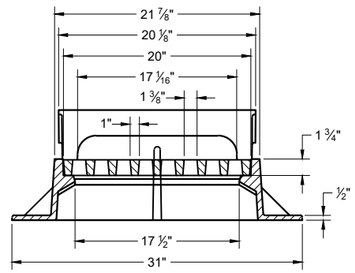


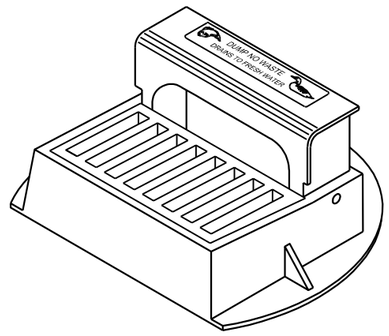
SPECIAL GRATE FOR TYPE "A" COVER

(MEASURES 19 ¾" X 17" X 1 ⅞")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)







TYPE "Z"

INLET COVERS TYPES A, H, A-S, H-S AND Z

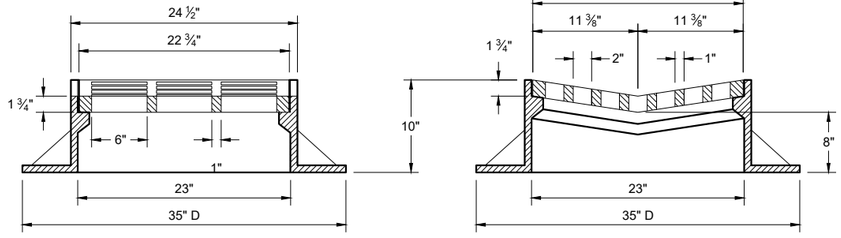
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

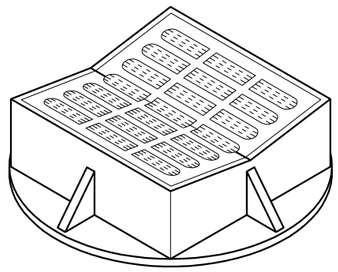
APPROVED

July 2023
DATE

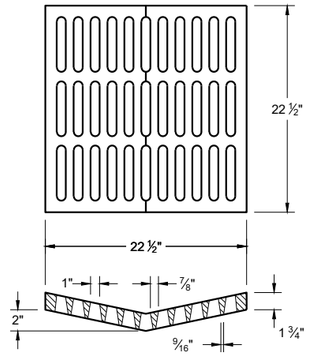
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA





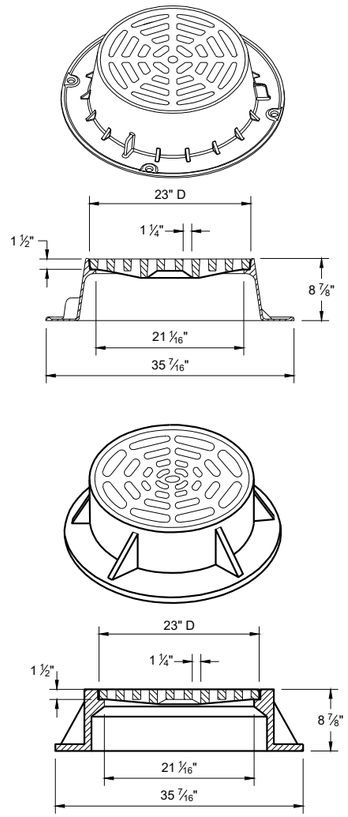
TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OF BICYCLE TRAFFIC IS POSSIBLE

NOTED AS TYPE B - A ON THE DRAINAGE TABLE



TYPE "C"

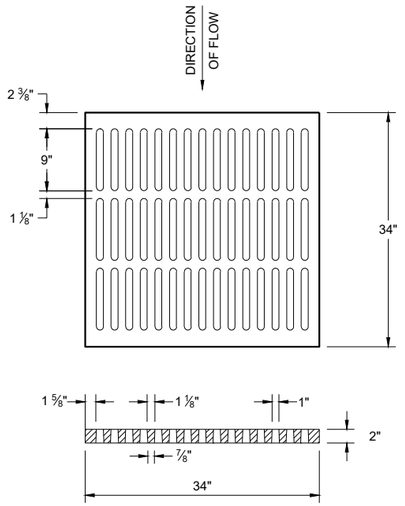
NOTE: EITHER CASTING IS ACCEPTABLE

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.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

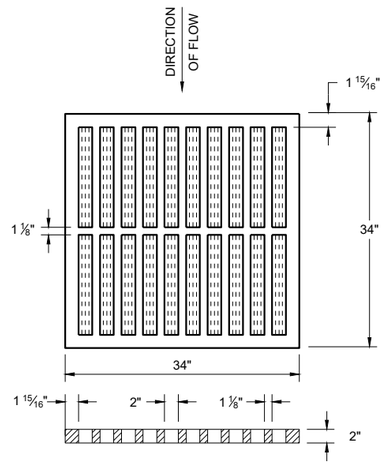
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OF BICYCLE TRAFFIC IS PERMITTED

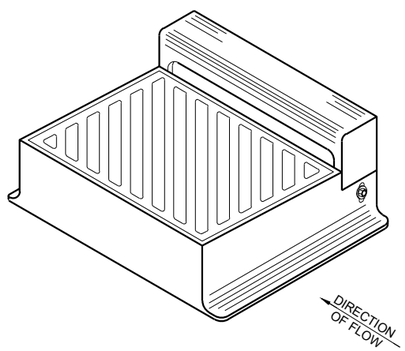
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE



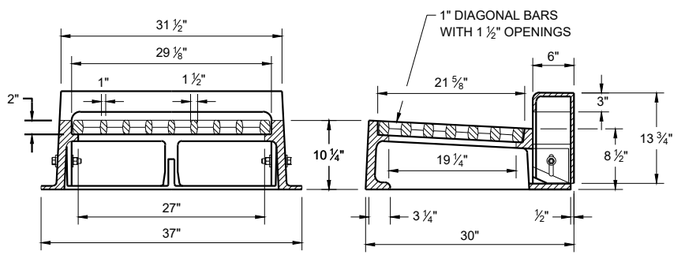
TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS

NOTED AS TYPE MS ON THE DRAINAGE TABLE



DIAGONAL SLOTS SHALL BE ORIENTEDTO THE DIRECTION OF FLOW AS ILLUSTRATED.
GRATES ARE MANUFACTURED TO BE REVERSIBLE.



TYPE "WM"

NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"

INLET COVERS TYPES B, B-A, C, MS, MS-A AND WM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

July 2023 — DATE

/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

6

SDD 08A05-20b

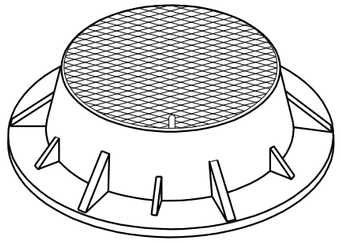
SDD 08A05-20b

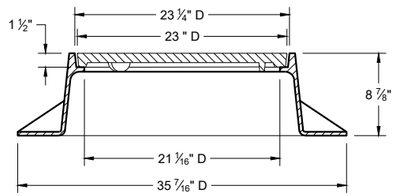
GENERAL NOTES

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.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

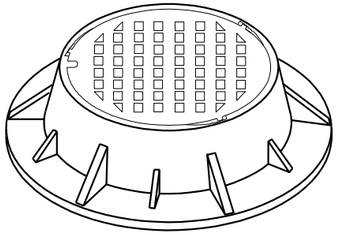
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

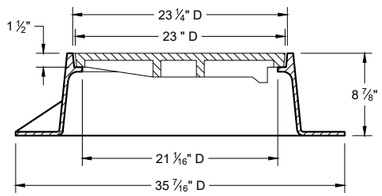




TYPE "J"

NOTE: EITHER CASTING IS ACCEPTABLE

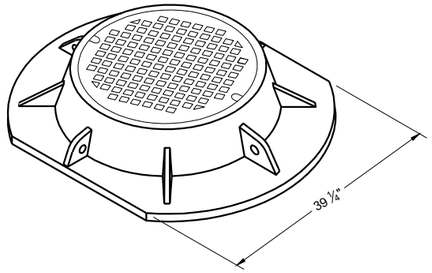


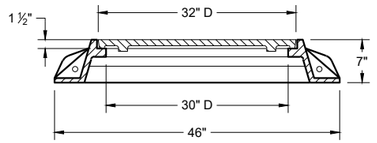


TYPE "J" SPECIAL

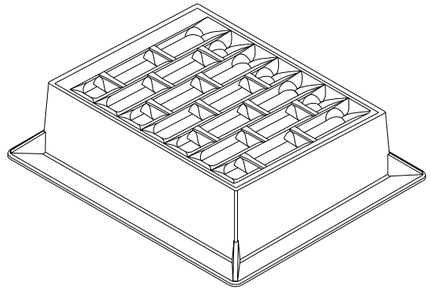
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)

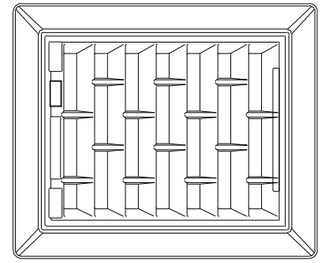
NOTE: EITHER CASTING IS ACCEPTABLE

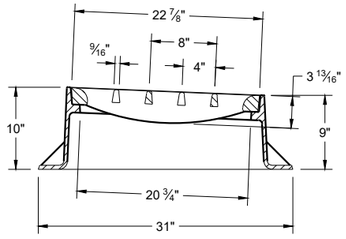


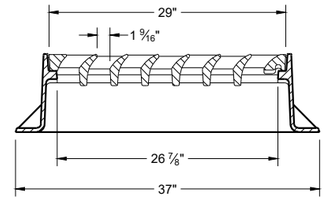


TYPE "K"

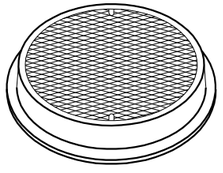


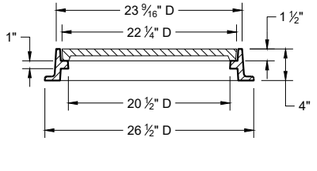




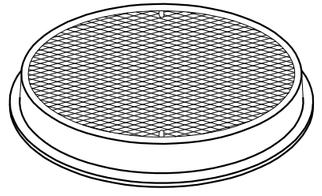


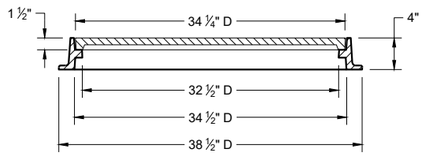
INLET COVER TYPE "BW"





TYPE "L"





TYPE "M"

INLET COVERS TYPES BW
MANHOLE COVERS TYPES K, J, J-S, L, AND M

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/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

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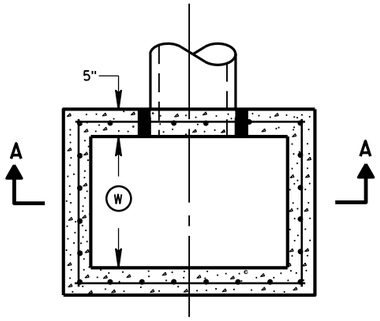
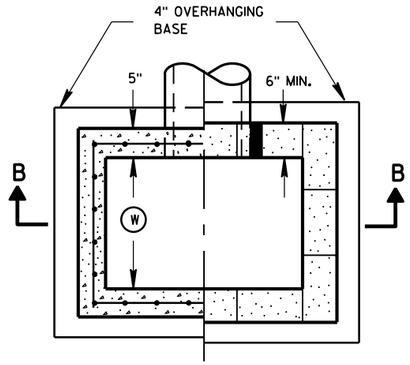
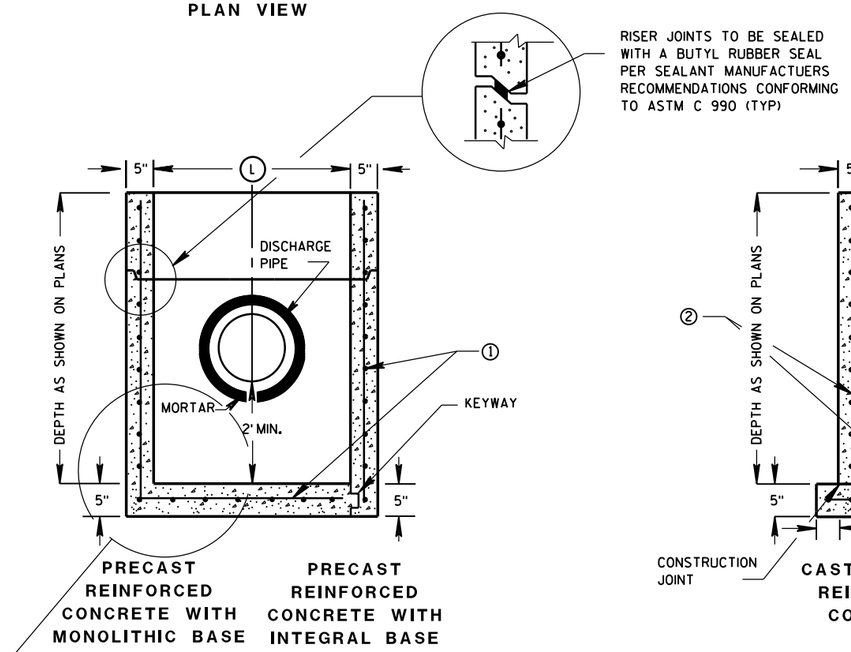


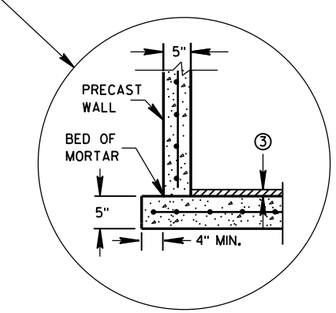
PLAN VIEW



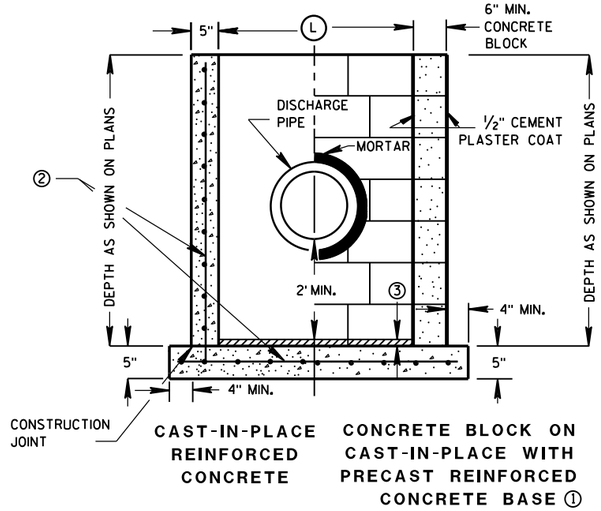
PLAN VIEW



SECTION A-A



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION



SECTION B-B

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

① FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

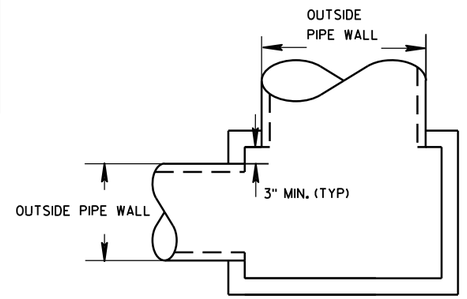
③ 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

CATCH BASIN COVER MATRIX

CATCH BASIN SIZE		INLET COVER TYPE	F	ALL H'S
	WIDTH (W) (FT)	LENGTH (L) (FT)		
2X3-FT	2	3		X
2.5X3-FT	2.5	3	X	

PIPE MATRIX

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	WIDTH (IN)	LENGTH (IN)
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

CATCH BASINS 2X3-FT AND 2.5X3-FT

CATCH BASINS 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
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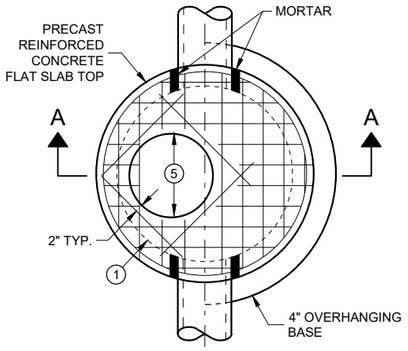
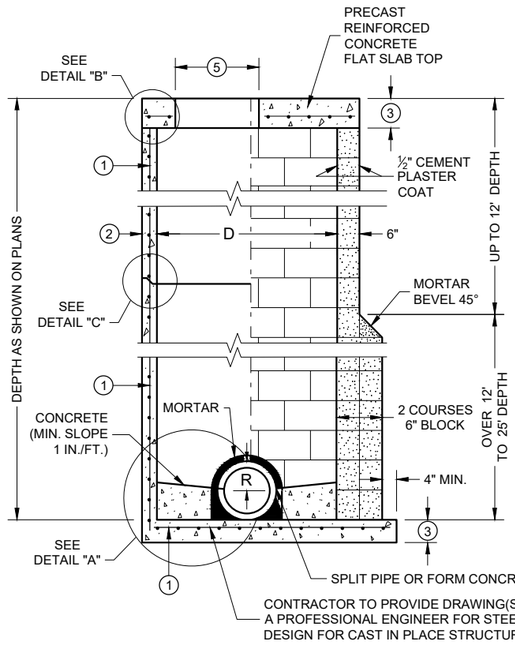


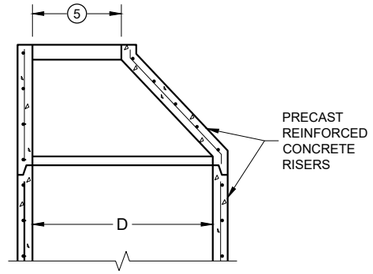
PLAN VIEW
CIRCULAR OPENING



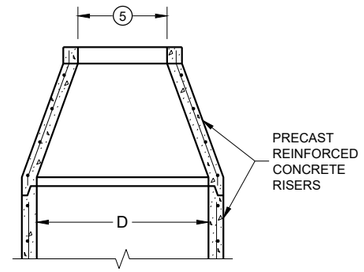
SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)



OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP



OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

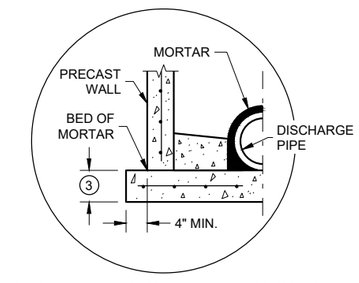
MANHOLE COVER OPENING MATRIX

OPENING SIZE (FT.) \ MANHOLE COVER TYPE	C	ALL J'S	K	L	M
2 DIA.	X	X		X	
3 DIA.			X		X

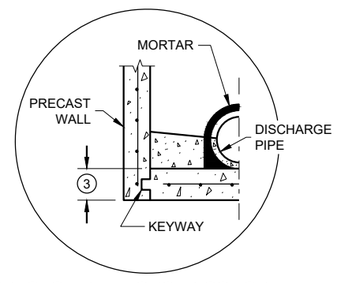
PIPE MATRIX

MANHOLE SIZE (DIA.)	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES		MINIMUM WALL THICKNESS (IN)	MINIMUM PRECAST FLAT SLAB TOP AND BASE THICKNESS
	180° SEPARATION (IN)	90° SEPARATION (IN)		
3-FT	15	12	4	6
4-FT	24	18	4	6
5-FT	36	24	5	8
6-FT	42	36	6	8
7-FT	48	36/42*	7	8
8-FT	60	42	8	8
9-FT	66	54	9	10
10-FT	72	60	10	10

*A 36" PIPE AND A 42" PIPE CAN BE PLACED WITHIN 90 DEGREES.
SEE MINIMUM HORIZONTAL PIPE SEPARATION DETAIL.

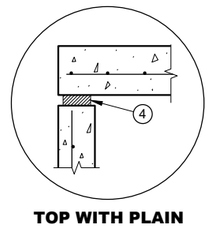


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

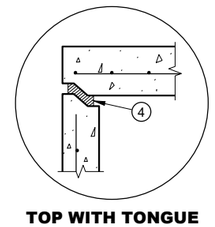


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

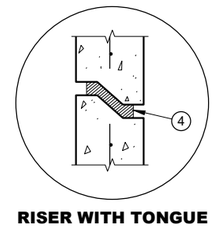
DETAIL "A"



TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B" **DETAIL "C"**

GENERAL NOTES

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

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

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

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

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

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES. CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½ INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

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

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

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

CONCRETE BLOCK WILL NOT BE PERMITTED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "D".

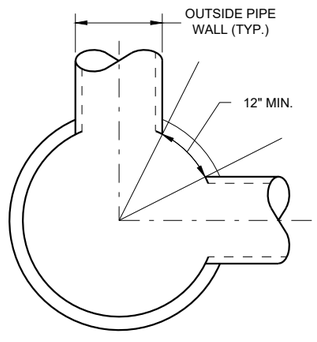
(1) FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(2) SEE PIPE MATRIX TABLE FOR MINIMUM WALL THICKNESS FOR PRECAST MANHOLES

(3) SEE PIPE MATRIX TABLE FOR MINIMUM THICKNESS OF PRECAST FLAT SLAB TOPS AND BASES.

(4) JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP.).

(5) SEE MANHOLE COVER OPENING MATRIX.



MINIMUM HORIZONTAL PIPE SEPARATION

MANHOLES, 3-FT, 4-FT 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER
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MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

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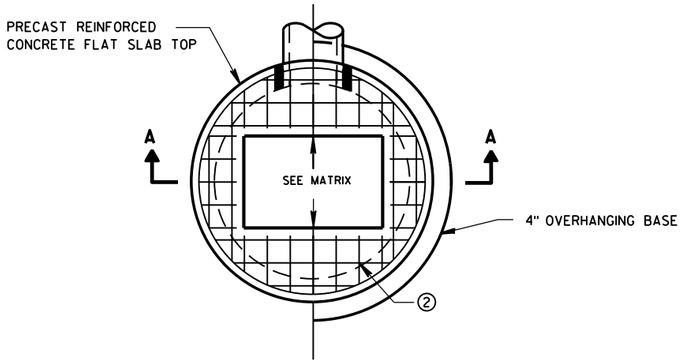
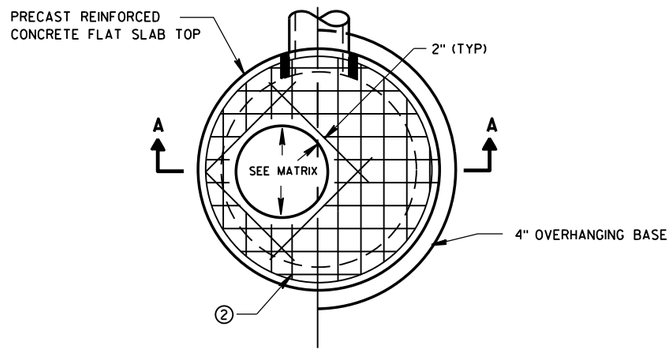
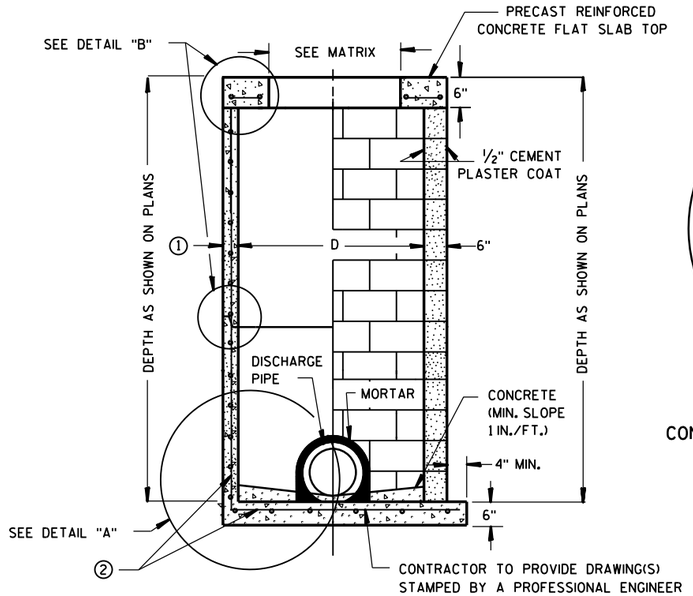


PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

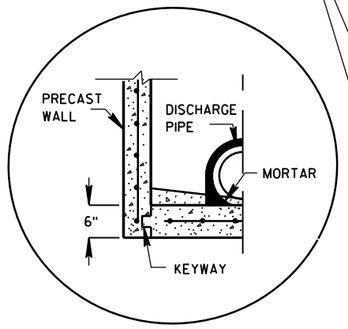


SECTION A-A

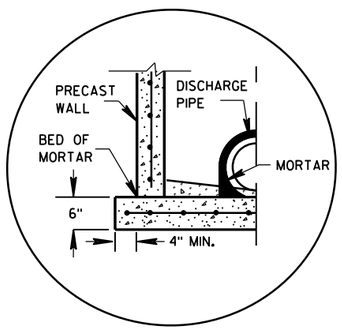
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

CIRCULAR INLETS W/ FLAT TOP

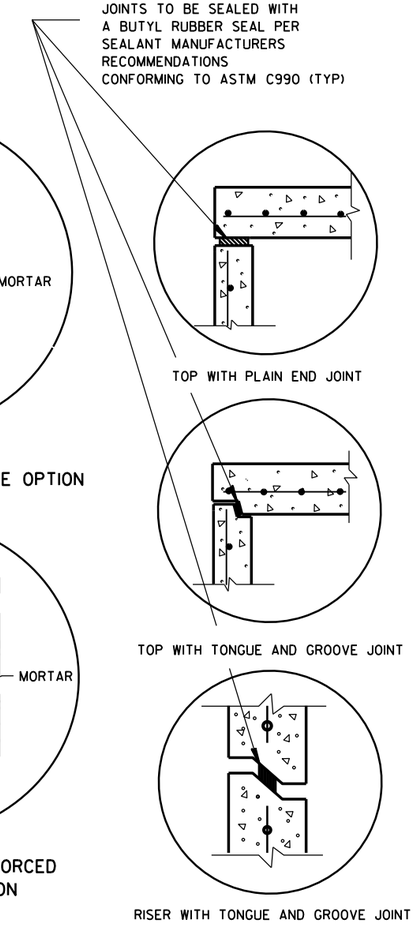


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "B"

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.

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

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

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

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

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

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

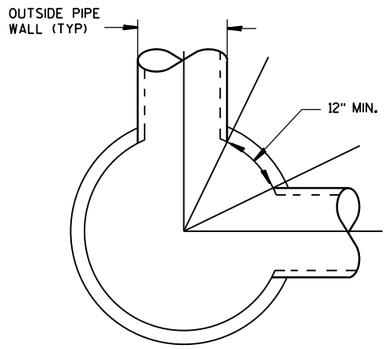
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4-IN FOR 3-FT DIAMETER AND 5-IN FOR 4-FT DIAMETER PRECAST INLETS.

② FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

INLET COVER OPENING MATRIX

	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
INLET SIZE	OPENING SIZE (FT)											
3-FT	2 DIA.				X							X
	2X2	X	X					X		X		
4-FT	2 DIA.				X							X
	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2X3						X					
	2.5X3					X						



DETAIL "C"

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

INLETS 3-FT AND 4-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS | ENT UNIT SUPERVI
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INLETS 3-FT AND 4-FT DIAMETER

6

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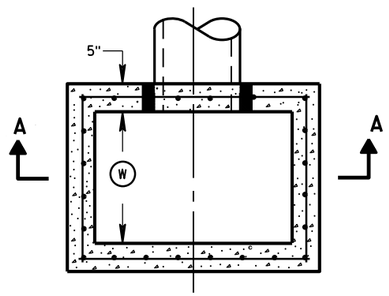
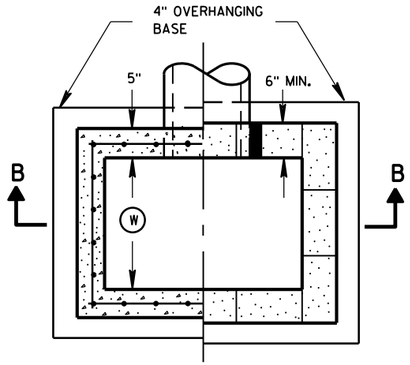
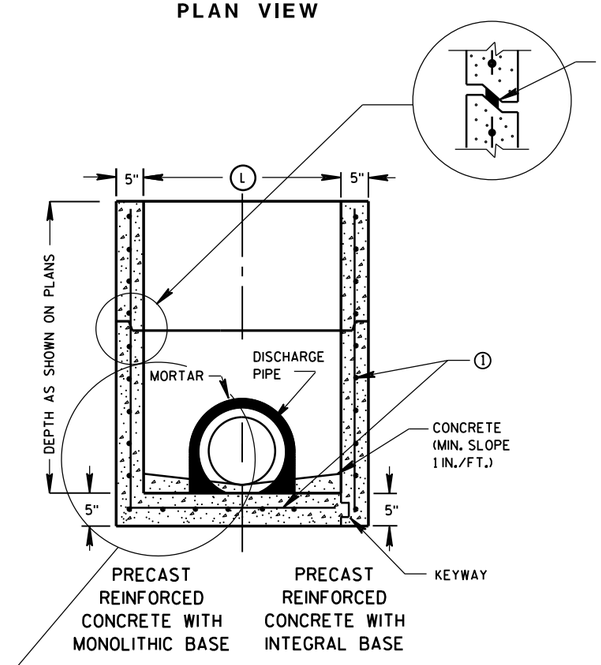


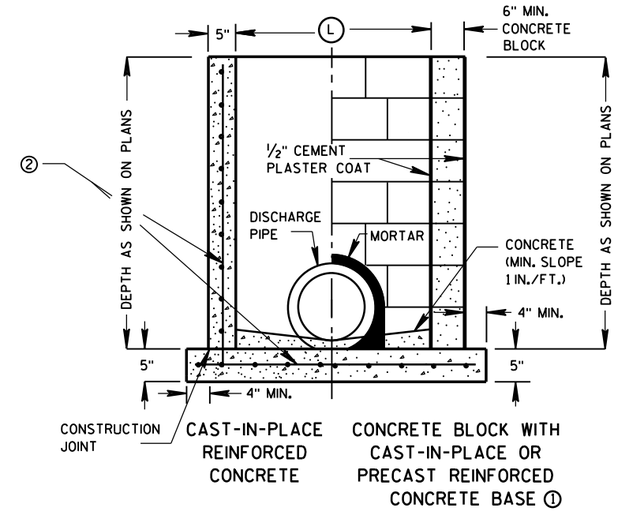
PLAN VIEW



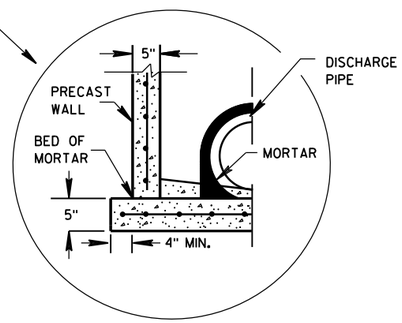
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

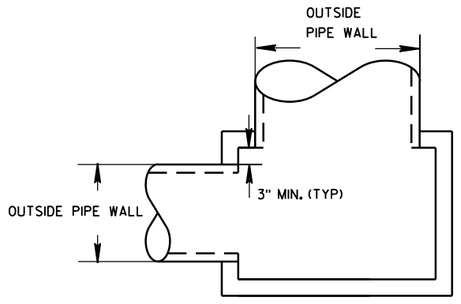
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (W) (FT)	LENGTH (L) (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

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



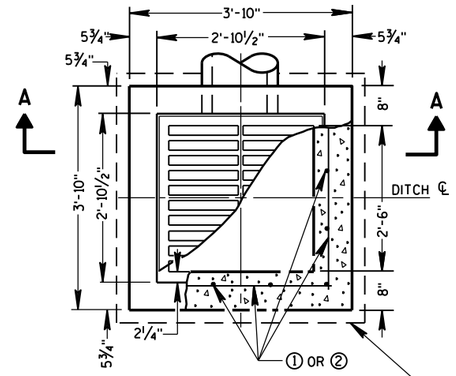
DETAIL "A"

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

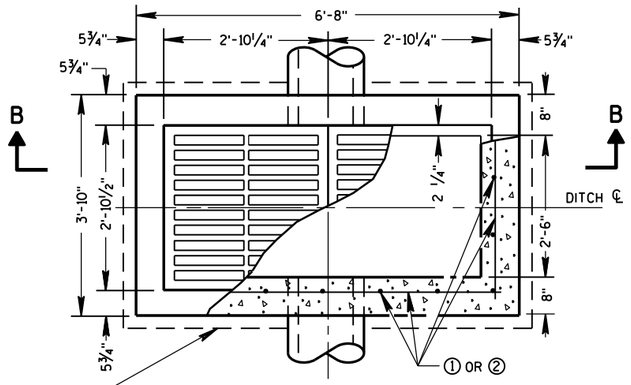
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS D IT
UNIT SUPERVIS
FHWA

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

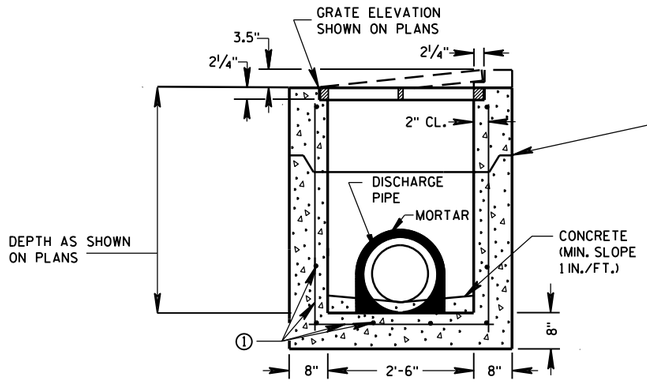


PLAN VIEW

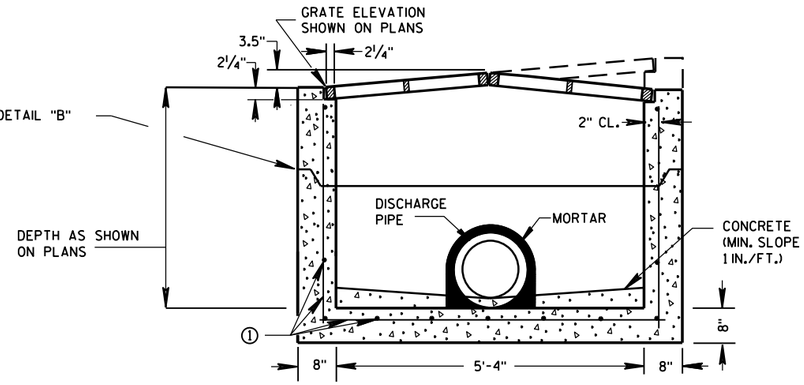


PLAN VIEW

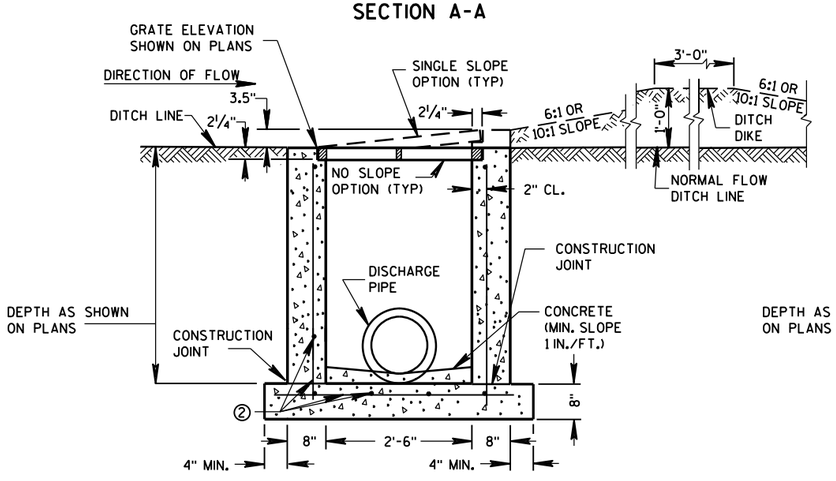
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



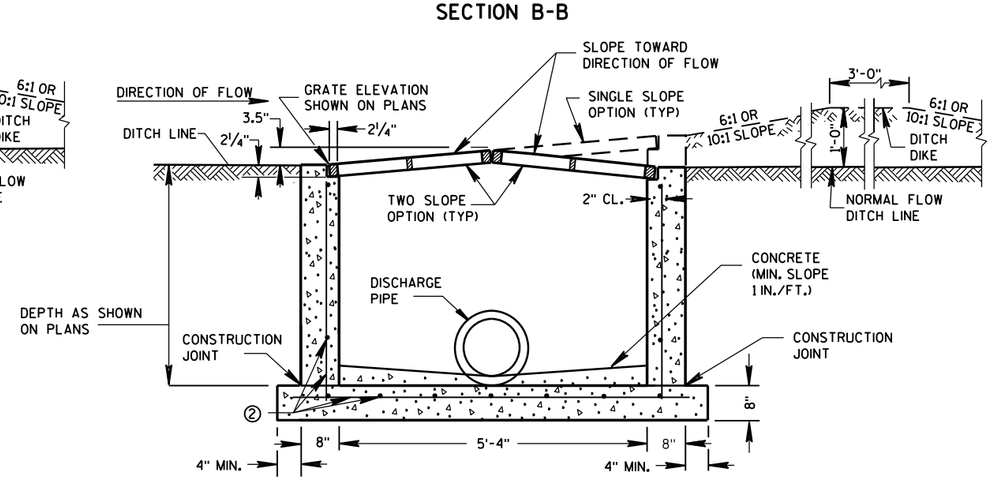
PRECAST REINFORCED CONCRETE SECTION A-A



PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

INLETS MEDIAN 1 GRATE

INLETS MEDIAN 2 GRATE

GENERAL NOTES

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

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

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL MEDIAN INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, 1G-MS", ETC. THE FIRST NUMBER AND LETTER DESIGNATE THE TYPE OF STRUCTURE, AND THE FOLLOWING LETTERS DESIGNATE THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

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

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

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

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

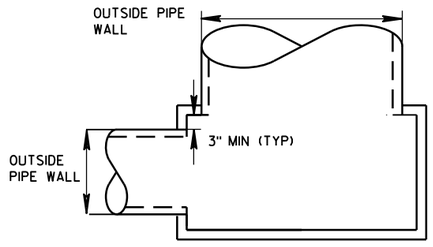
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

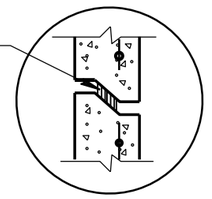
PIPE MATRIX

	MAXIMUM INSIDE PIPE DIAMETER	
INLET SIZE	WIDTH (IN)	LENGTH (IN)
1 GRATE	18	18
2 GRATE	18	42



DETAIL "A"

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)



DETAIL "B"

INLETS MEDIAN 1 AND 2 GRATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVI ENT
FHWA

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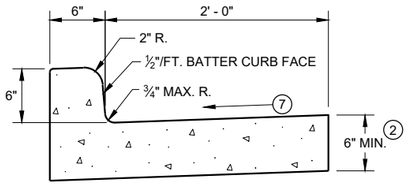
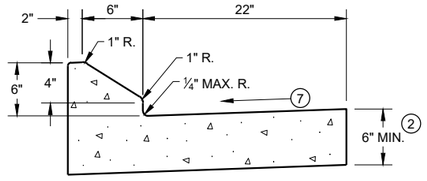
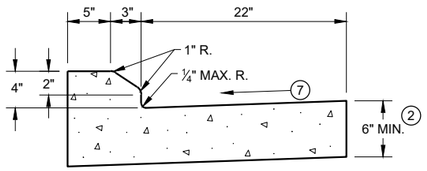


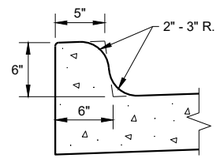
TYPES A (1) & D



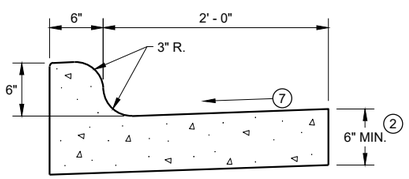
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

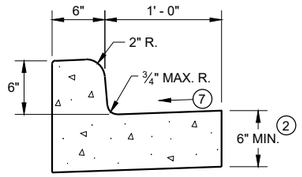


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



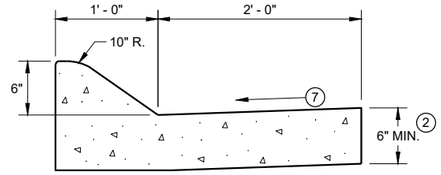
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

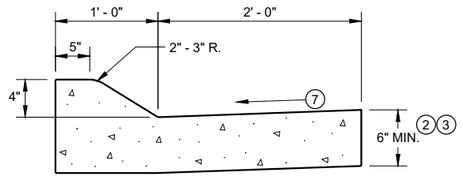


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

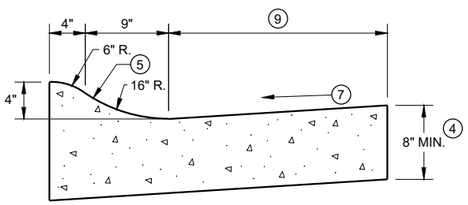


6" SLOPED CURB TYPES A (1) & D



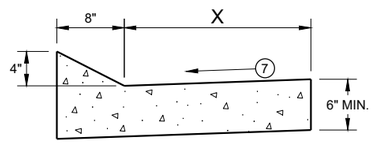
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

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

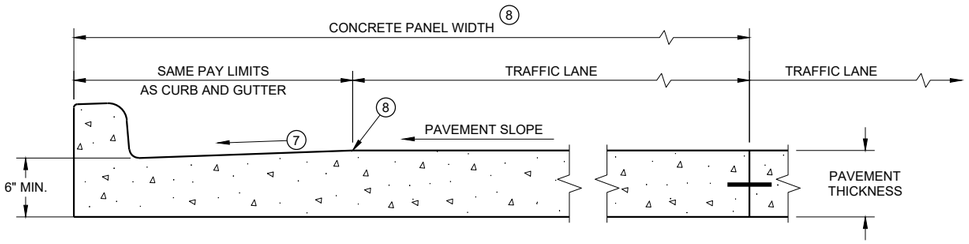


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

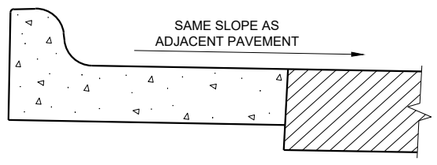
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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.

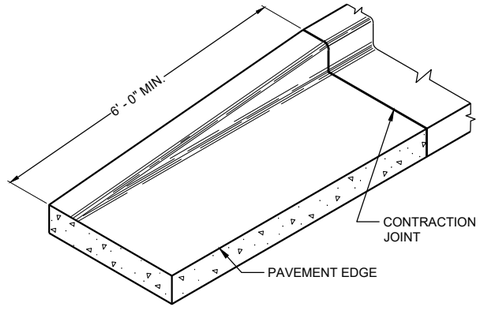
(8) INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

(9) CONCRETE CURB AND GUTTER 4-INCH SLOPED 30-INCH TYPE "R" AND "T" = 17 INCHES
CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE "R" AND "T" = 23 INCHES

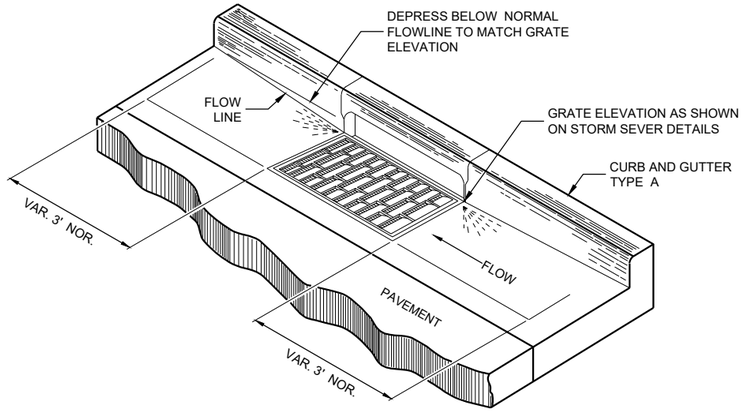
CONCRETE CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 08D01 - 23a



END SECTIONCURB 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.

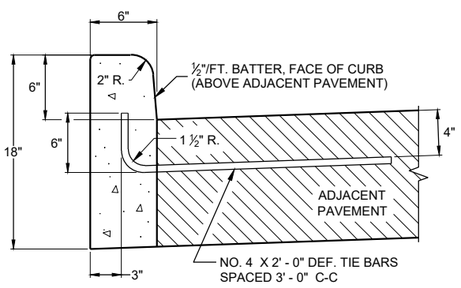
UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

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

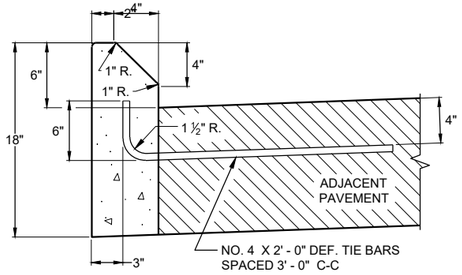
(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(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.

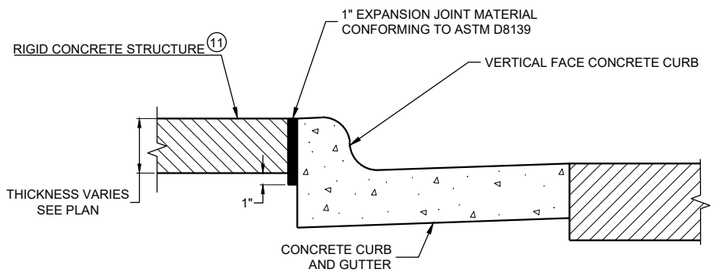


TYPES A (1) & D

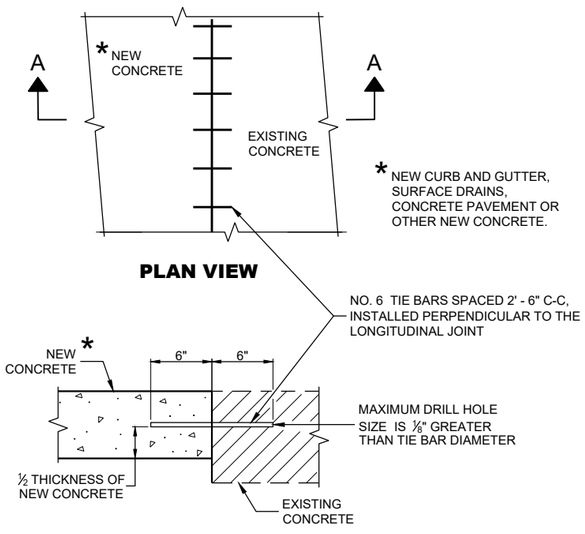


TYPES G (1) & J

CONCRETE CURB



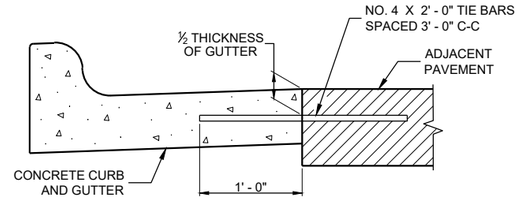
EXPANSION JOINT DETAIL FOR VERTICAL CURB ABUTTING A RIGID STRUCTURE (11)



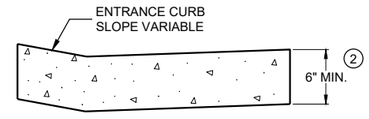
PLAN VIEW

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

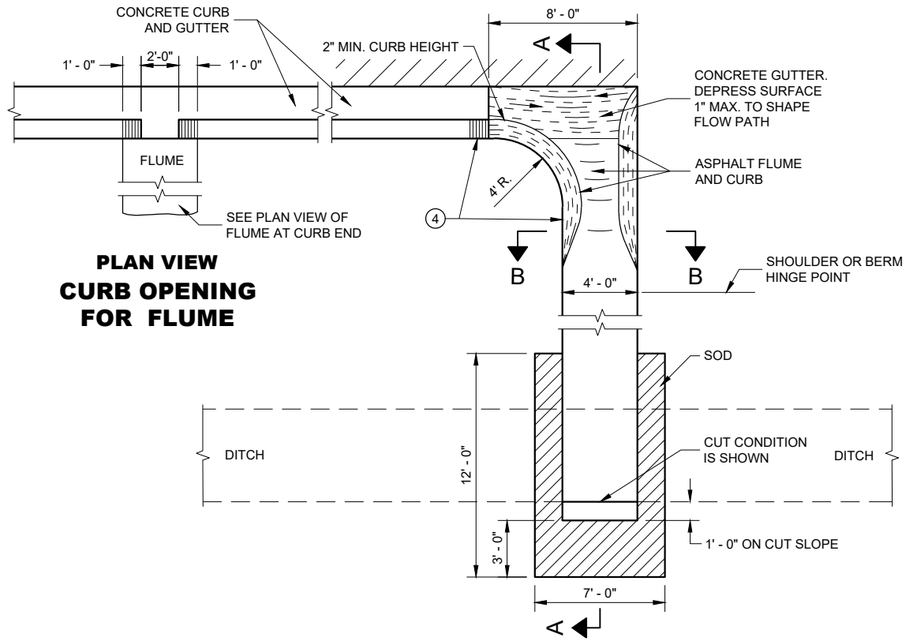
APPROVED
May 2023 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVE ENGINEER

FHWA

6
SDD08D01 - 23b

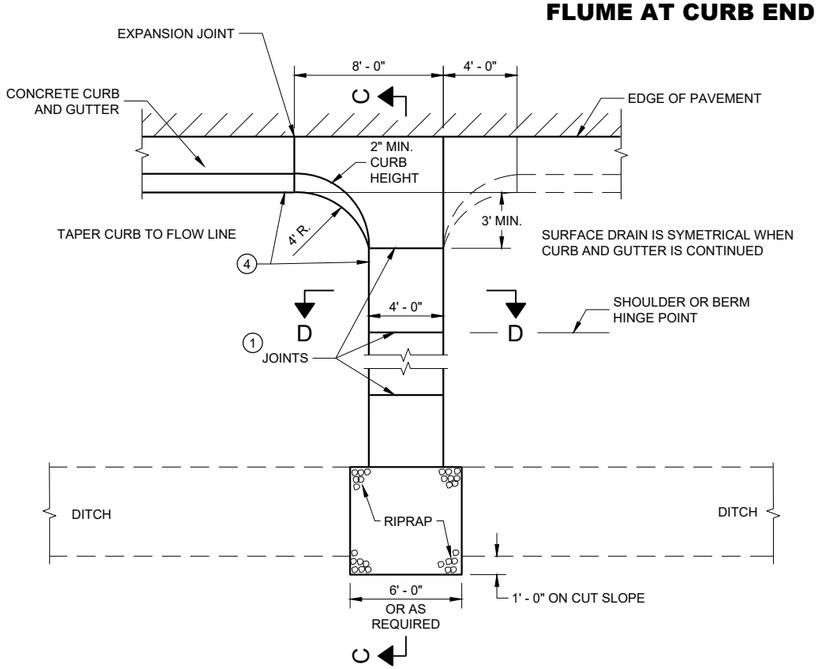
NOTE: TAPER CURB ENDS TO GUTTER IN 1' - 0"

ASPHALTIC FLUME



PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



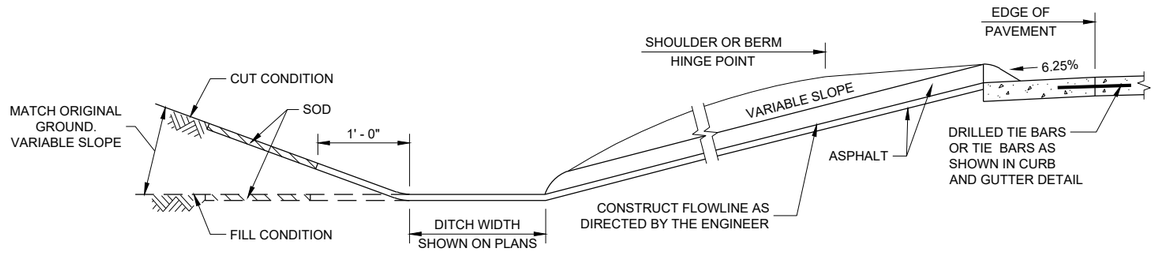
PLAN VIEW
CONCRETE SURFACE DRAIN

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.

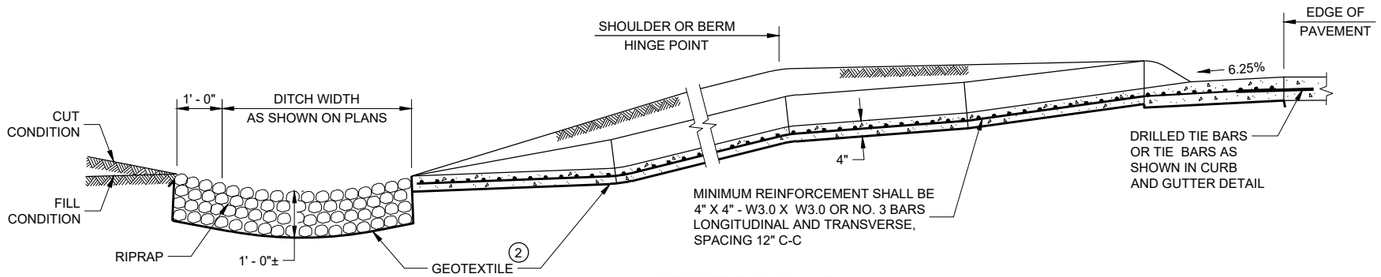
4" X 4" - W3.0 X W3.0 CONCRETE REINFORCEMENT SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

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.

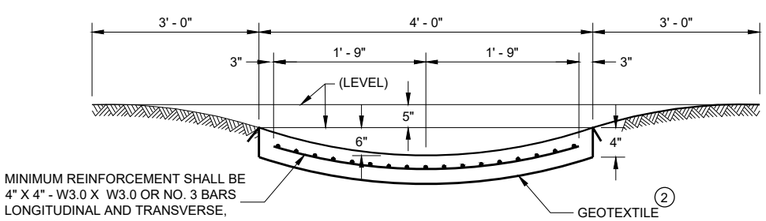


SECTION A - A

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

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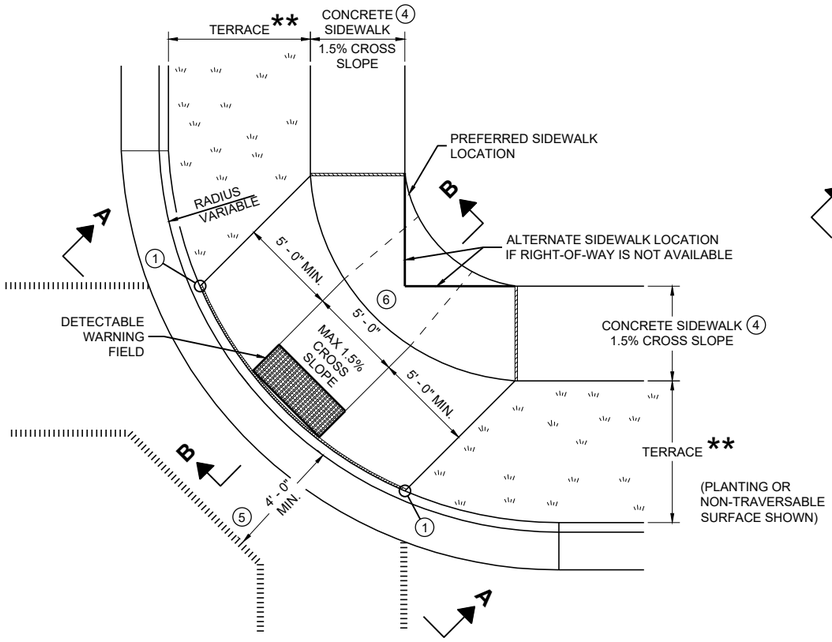
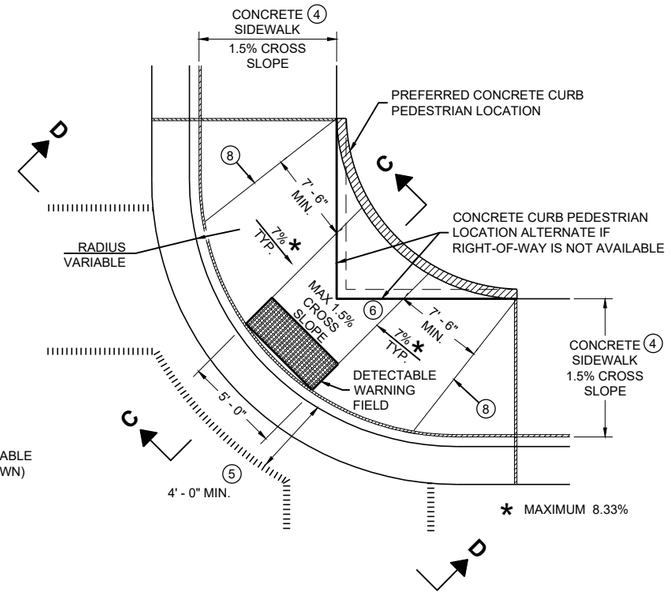
SDD 08D04 - 07



PLAN VIEW

CURB RAMP TYPE 1

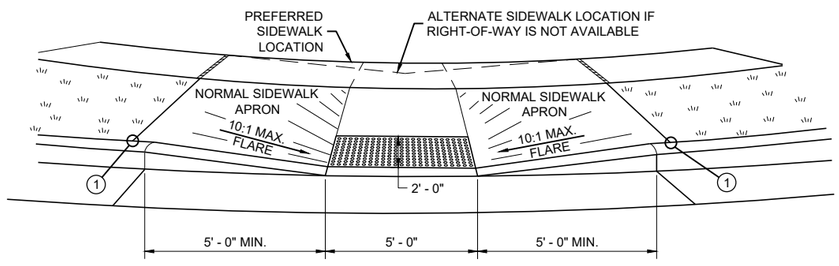
(CENTER OF CORNER RADIUS)



PLAN VIEW

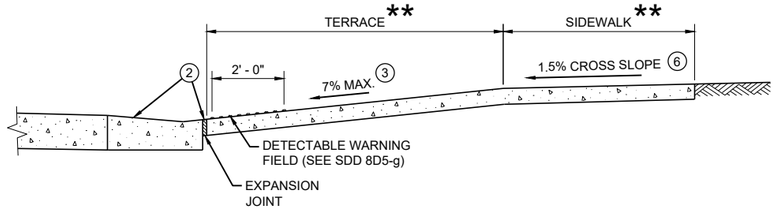
CURB RAMP TYPE 1 - A

(NO TERRACE)

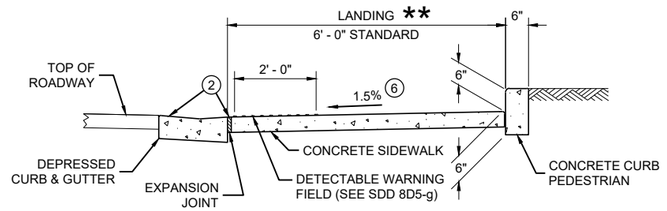


VIEW A - A FOR TYPE 1

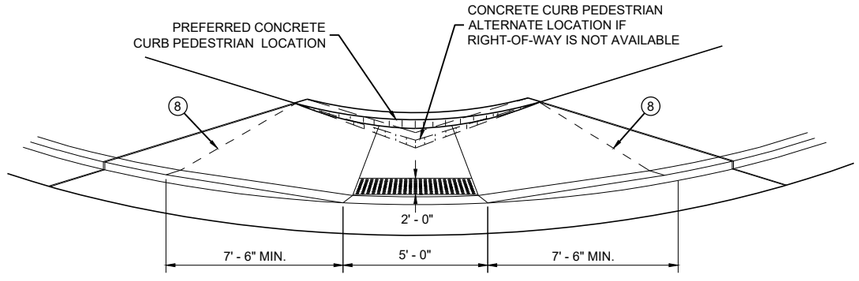
** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B - B FOR TYPE 1



SECTION C - C FOR TYPE 1 - A



VIEW D - D FOR TYPE 1 - A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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.

WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 CURB RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FILED SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAR FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD"

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.

(1) THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA. 4 FOOT WIDTH IS MEASURED FROM THE FLANGE LINE

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

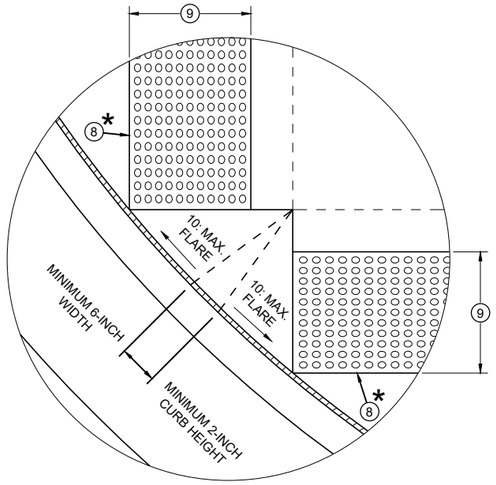
LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

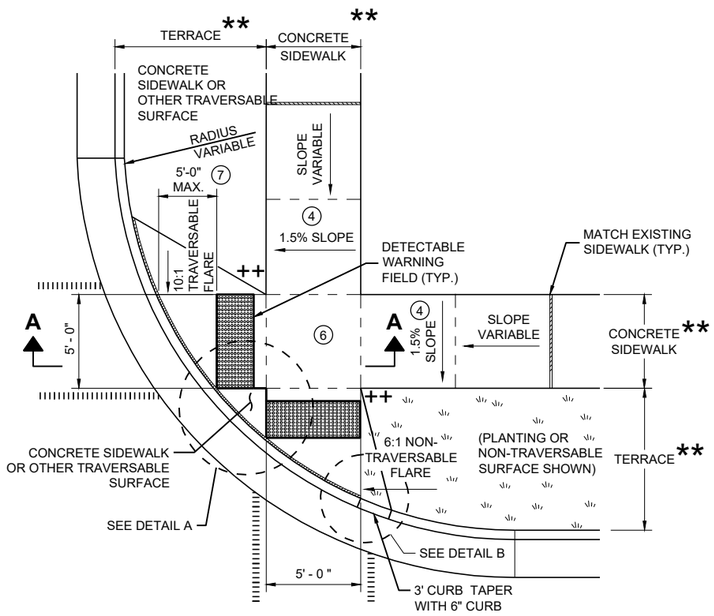
CURB RAMPS TYPE 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

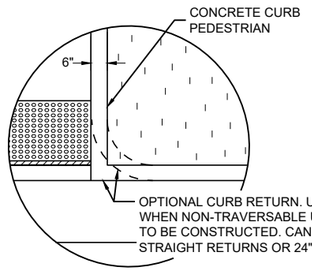
6
SDD 08D05-21a



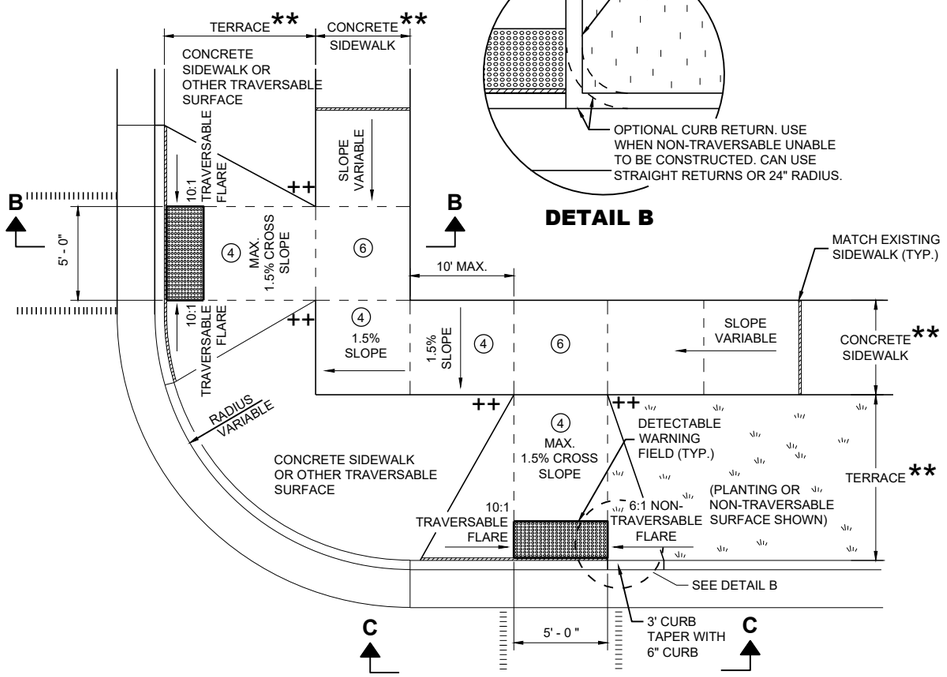
DETAIL A



PLAN VIEW
CURB RAMP TYPE 2
(CENTER OF CORNER RADIUS)



DETAIL B



PLAN VIEW
CURB RAMP TYPE 3
(OUTSIDE OF CROSSWALK AREA)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE (2.67% OR LESS) AND NOT TO EXCEED 11% GRADE CHANGE.

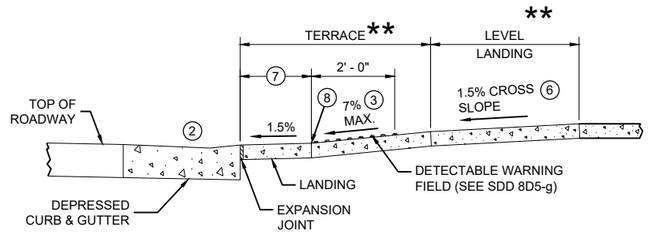
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET X 5 FEET.

(7) WHEN GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.

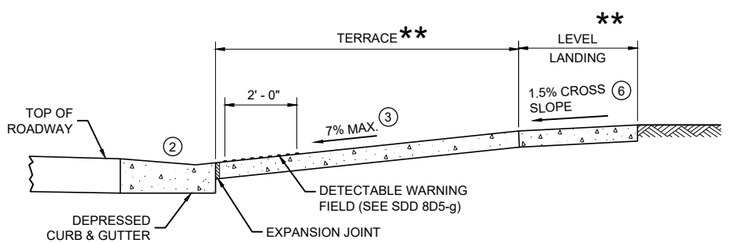


SECTION A - A FOR TYPE 2

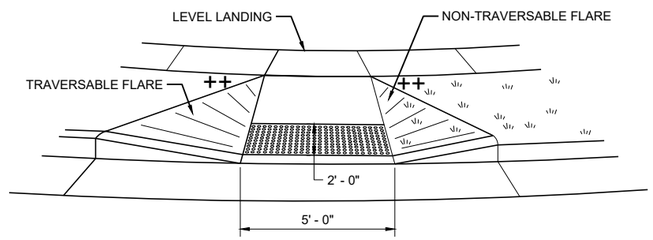
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



SECTION B - B FOR TYPE 3



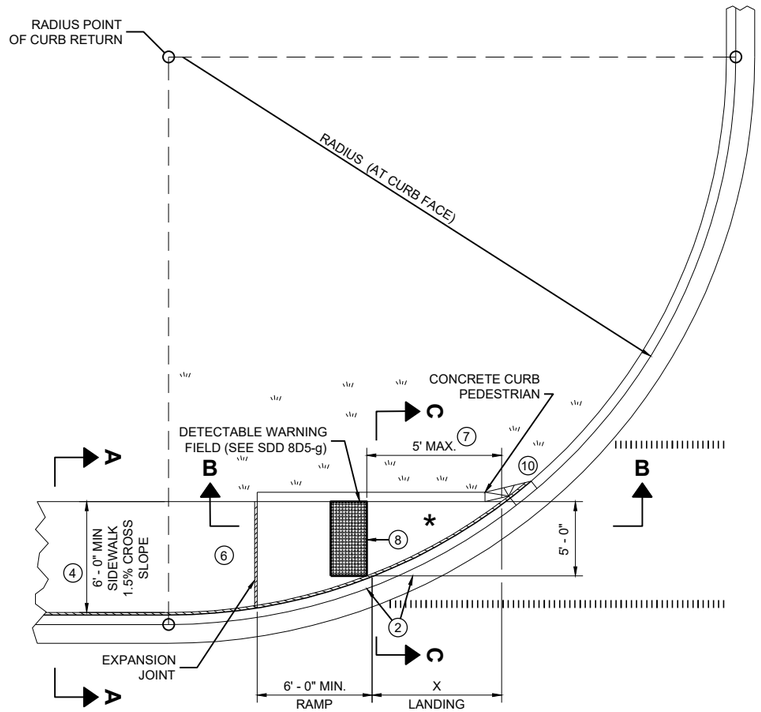
VIEW C - C FOR TYPE 3

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPE 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

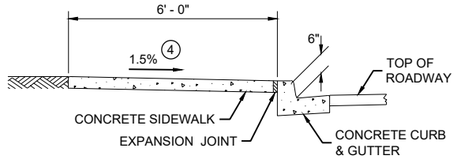


PLAN VIEW

CURB RAMP TYPE 4A

RADIUS (AT CURB FACE)	X
10 FEET	4' - 7"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A - A FOR TYPE 4A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

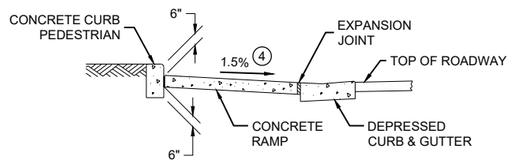
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

LEGEND

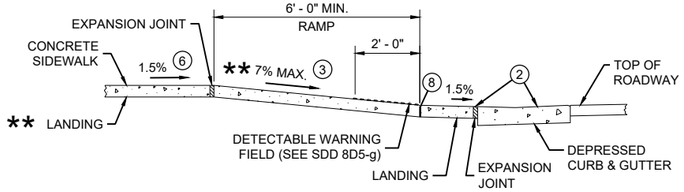
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)

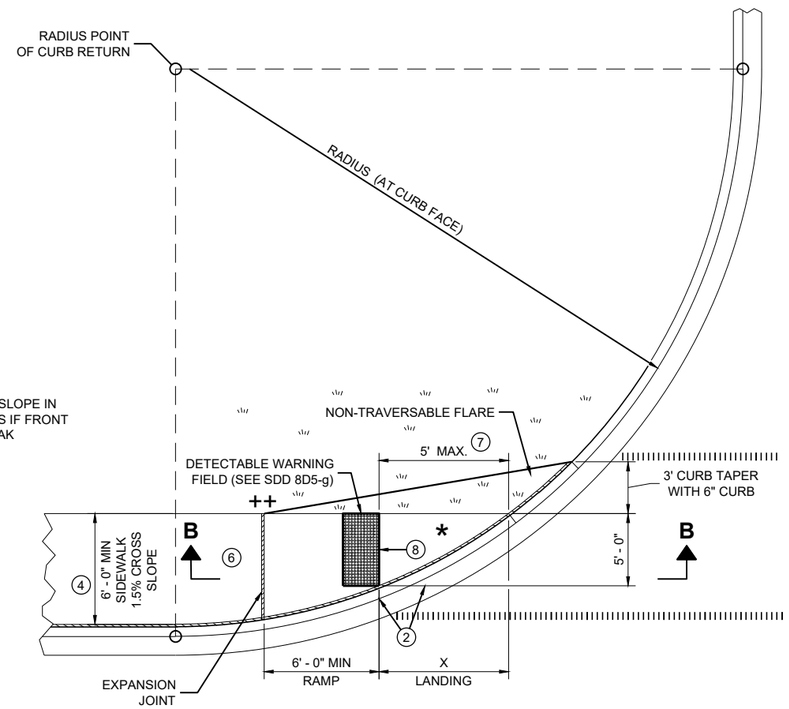


SECTION C - C FOR TYPE 4A



SECTION B - B FOR TYPE 4A AND TYPE 4A1

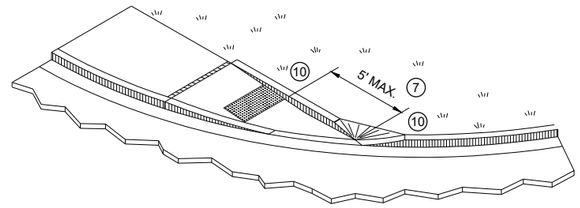
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED



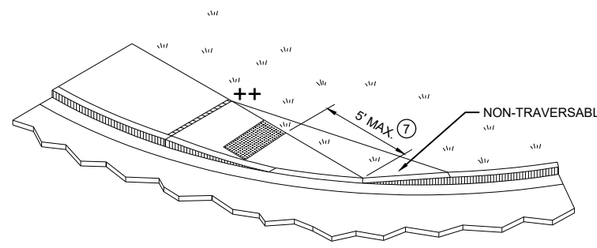
PLAN VIEW

CURB RAMP TYPE 4A1

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



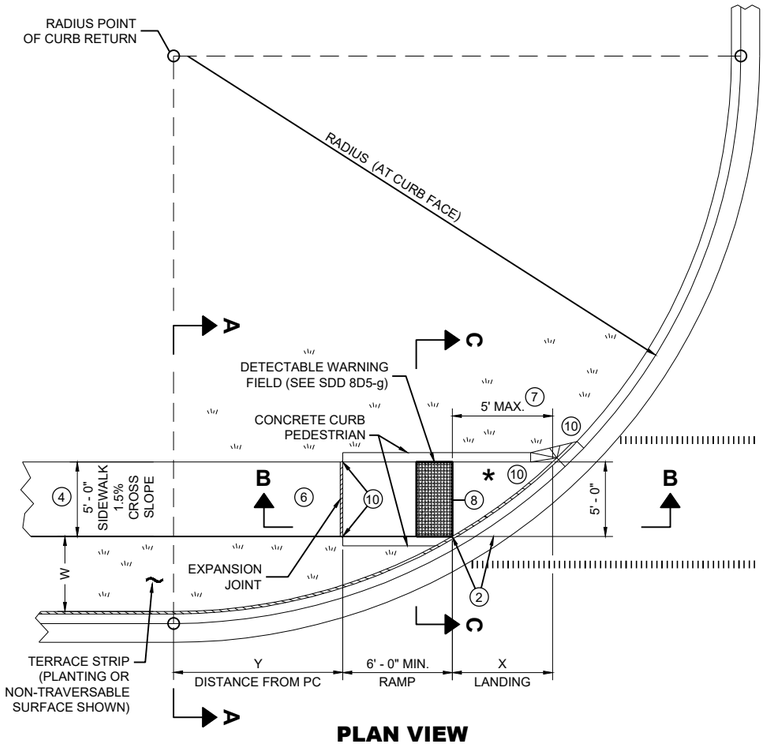
ISOMETRIC VIEW FOR TYPE 4A



ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



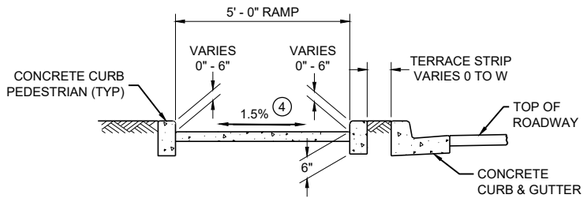
PLAN VIEW
CURB RAMP TYPE 4B

RADIUS (AT CURB FACE)	W = 3' - 0"		W = 4' - 0"		W = 5' - 0"		W = 6' - 0"		W = 7' - 0"		W = 8' - 0"		W = 9' - 0"		W = 10' - 0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2' - 10 1/4"	0' - 5"	2' - 1"	1' - 4 1/2"	1' - 5"	2' - 1"	0' - 10"	2' - 7 1/2"	0' - 3 1/4"	3' - 0 1/4"						
15 FEET	4' - 6 3/4"	2' - 1 3/4"	3' - 9"	3' - 5 3/4"	3' - 1 1/4"	4' - 6"	2' - 6 3/4"	5' - 4 1/2"	2' - 1"	6' - 1"	1' - 8"	6' - 8 1/2"	1' - 3 1/4"	7' - 2 1/2"	0' - 10 3/4"	7' - 7 1/4"
20 FEET			4' - 11 1/2"	5' - 1 3/4"	4' - 3 1/4"	6' - 5 1/2"	3' - 8 3/4"	7' - 7"	3' - 3"	8' - 6 1/2"	2' - 10"	9' - 4 1/2"	2' - 5 1/2"	10' - 1 1/4"	2' - 1 1/4"	10' - 9"
30 FEET									4' - 10 3/4"	12' - 5 3/4"	4' - 5 1/2"	13' - 7 3/4"	4' - 0 3/4"	14' - 8 1/2"	3' - 8 1/2"	15' - 8 1/4"
40 FEET															4' - 10 3/4"	19' - 8 1/4"

INTERMEDIATE RADII CAN BE INTERPOLATED
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)



SECTION C - C FOR TYPE 4B

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

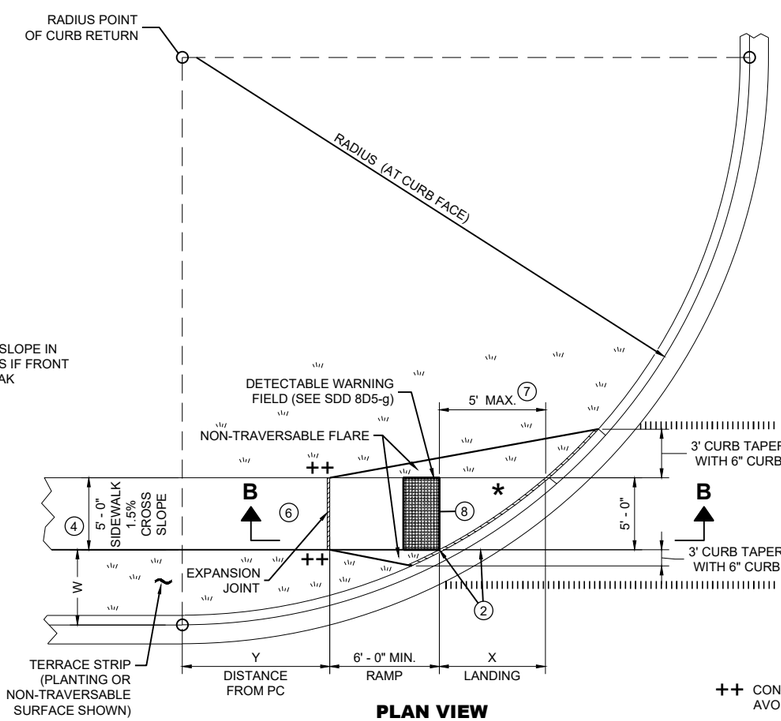
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

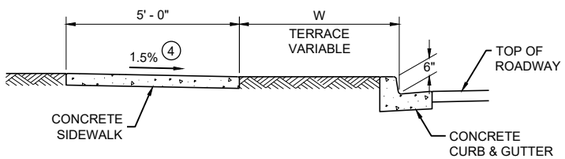
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



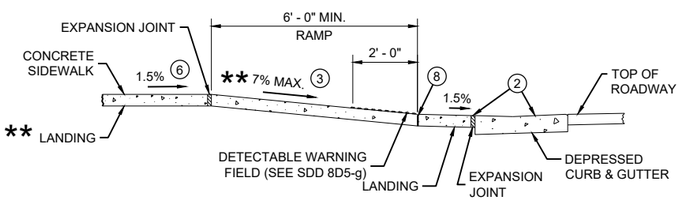
PLAN VIEW
CURB RAMP TYPE 4B1

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

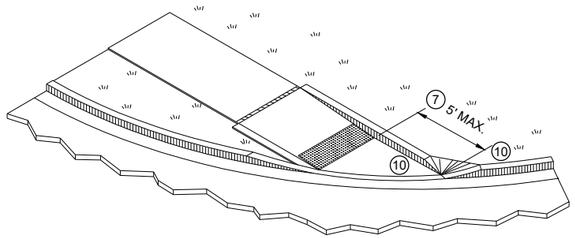


SECTION A - A FOR TYPE 4B

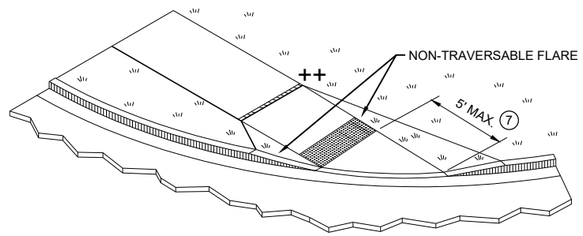


SECTION B - B FOR TYPE 4B AND TYPE 4B1

** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED



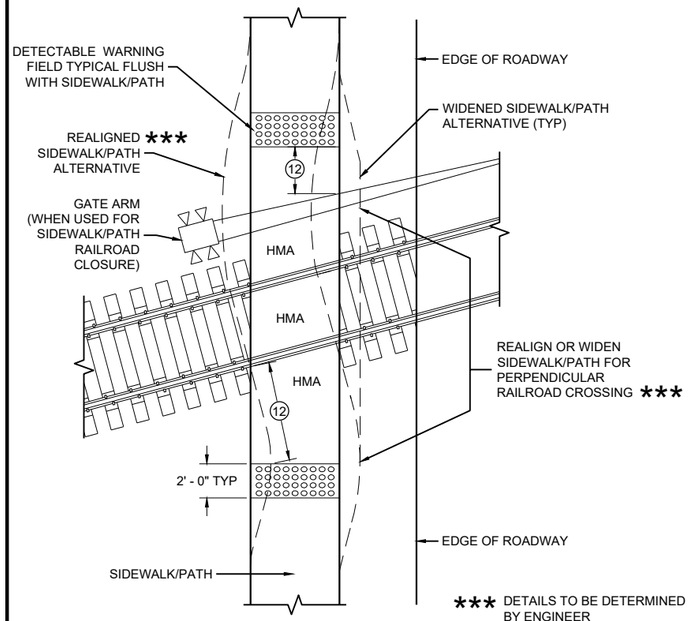
ISOMETRIC VIEW FOR TYPE 4B



ISOMETRIC VIEW FOR TYPE 4B1

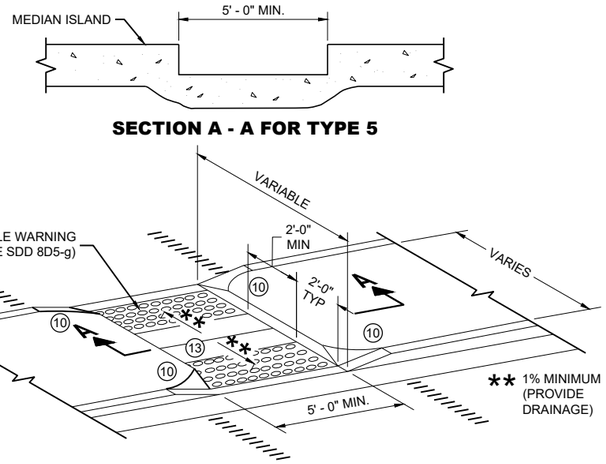
CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



CURB RAMP TYPE 8

DETECTABLE WARNINGS FOR SIDEWALKS OR SHARED USE PATHS AT RAILROAD CROSSINGS



SECTION A - A FOR TYPE 5

CURB RAMP TYPE 5

MEDIAN ISLAND NON-ELEVATED PEDESTRIAN CROSSING

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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.

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

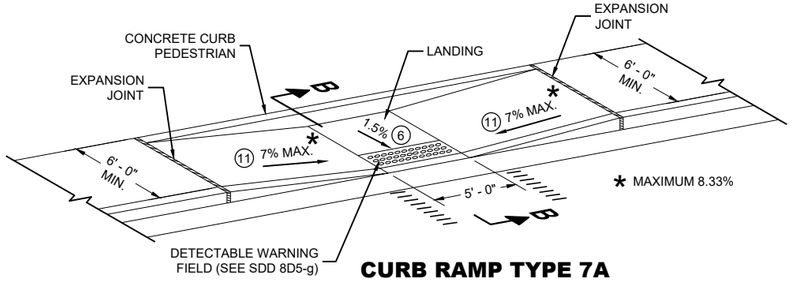
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(12) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ±0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK/PATH. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD TRACK IS 15 FEET MAXIMUM AND 12 FEET MINIMUM, 15 FEET TYPICAL FROM THE NEAREST RAIL.

(13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STEET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2 FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.

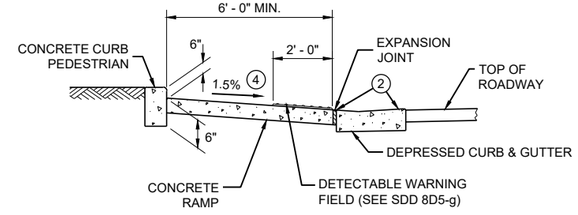
LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

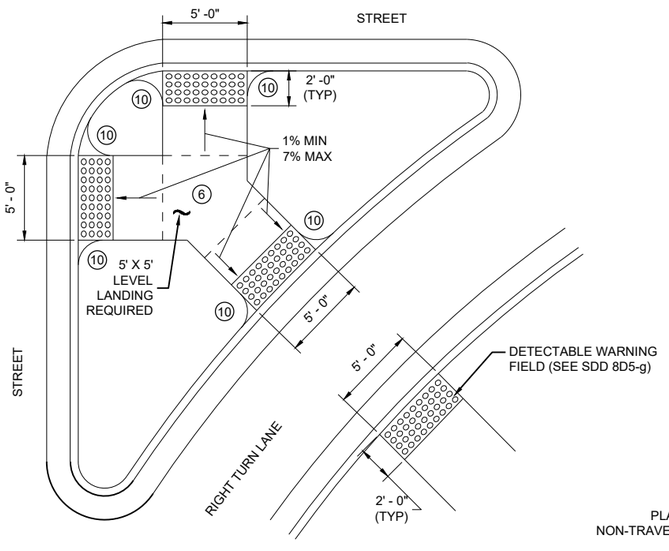


CURB RAMP TYPE 7A

FOR INTERSECTIONS AND MID BLOCK CROSSINGS



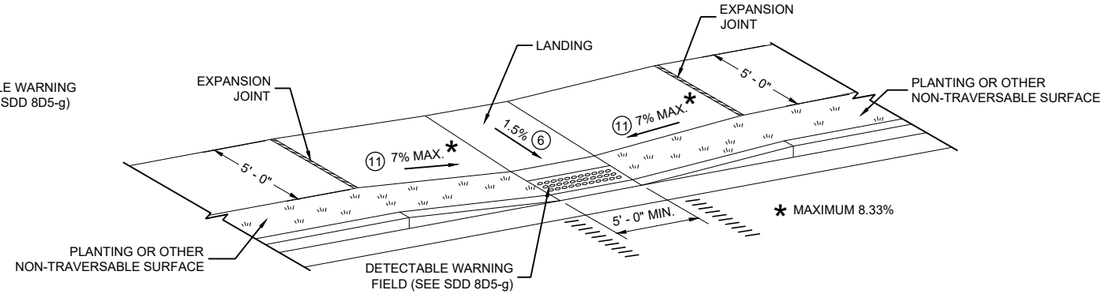
SECTION B - B FOR TYPE 7A



CURB RAMP TYPE 6

DETECTABLE WARNING AT ISLANDS

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS



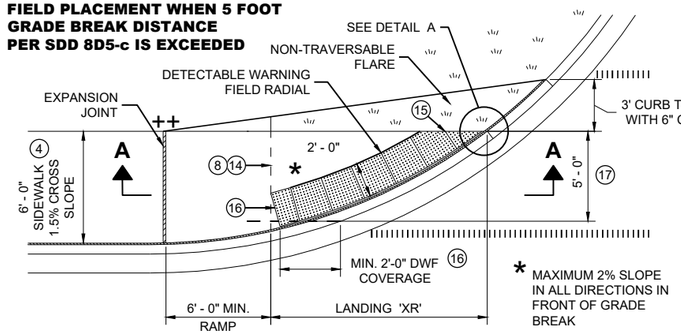
CURB RAMP TYPE 7B

FOR INTERSECTIONS AND MID BLOCK CROSSINGS

CURB RAMPS TYPE 5, 6, 7A, 7B & 8

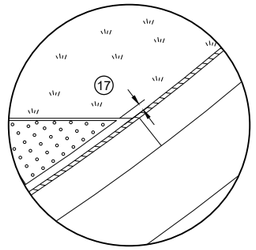
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED

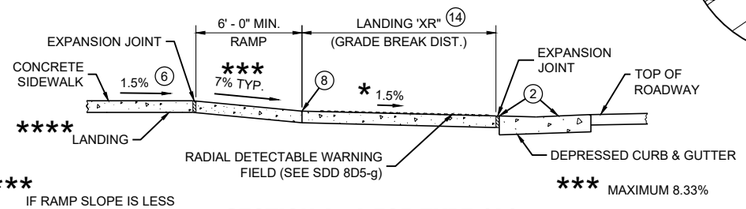


PLAN VIEW

CURB RAMP TYPE 4A1
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL A

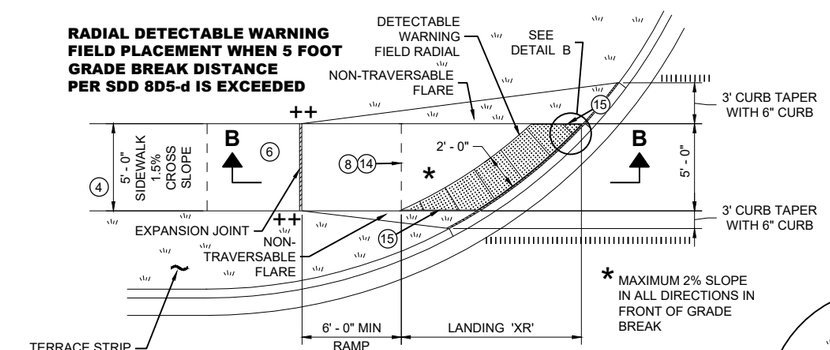


**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

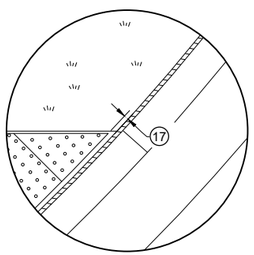
SECTION A - A FOR TYPE 4A1

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED

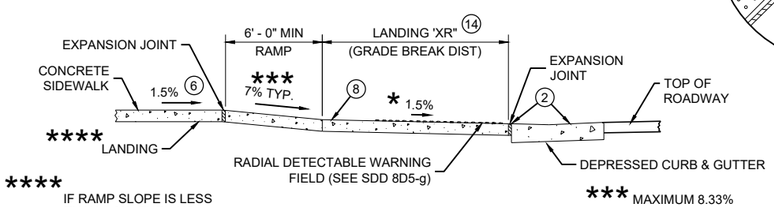


PLAN VIEW

CURB RAMP TYPE 4B1
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL B



**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION B - B FOR TYPE 4B1

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

APPLY RADIAL DETECTABLE WARNING PLACEMENT SIMILARLY FOR TYPE 4A AND 4A1 CURB RAMPS AND SIMILARLY FOR TYPE 4B AND 4B1 CURB RAMPS. TYPE 4A AND 4B CURB RAMPS ARE NOT SHOWN.

REFER TO SDD 8D5-g FOR ADDITIONAL RADIAL PLATE REQUIREMENTS.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AD ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET BY 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

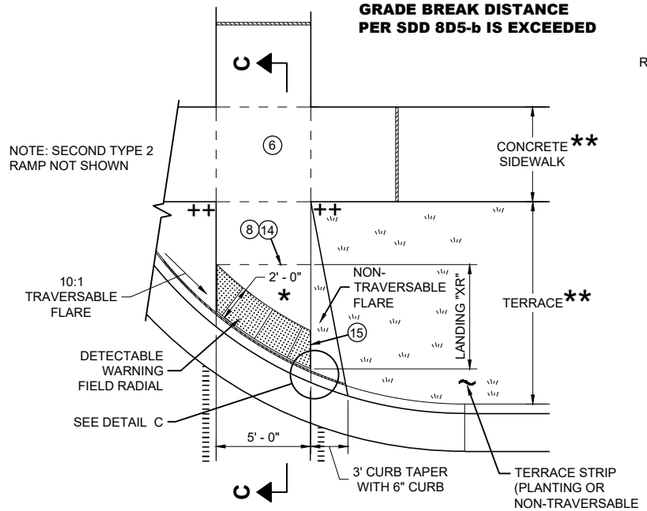
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

(16) USE 1' X 2" RECTANGULAR END PLATE AT END OF TYPE 4A1 RAMP AND PROVIDE MINIMUM 2' - 0" DETECTABLE WARNING FIELD COVERAGE (IN DIRECTION OF PEDESTRIAN TRAVEL) ALONG THE ENTIRE CURB RAMP WIDTH.

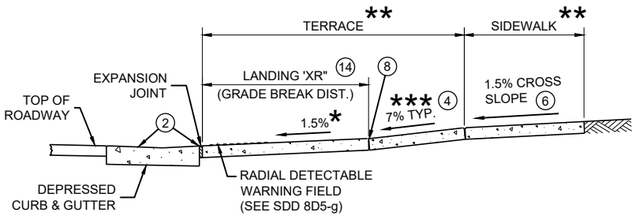
(17) A MAXIMUM 3 INCH CONCRETE BORDER WIDTH IS ALLOWABLE IN FRONT OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY VARY UP TO 1 INCH.

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-b IS EXCEEDED

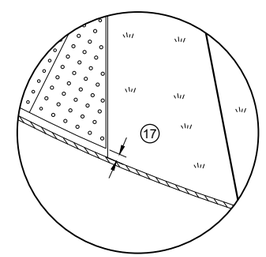


PLAN VIEW

CURB RAMP TYPE 2
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)
(ON LINE WITH SIDEWALK)



SECTION C - C FOR TYPE 2



DETAIL C

* MAXIMUM 2% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** MAXIMUM 8.33%

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

CURB RAMPS
RADIAL DETECTABLE WARNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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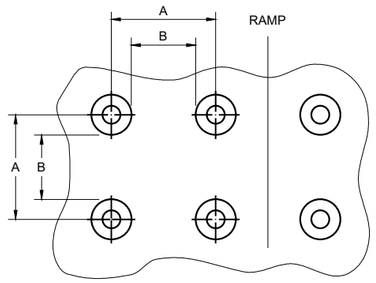
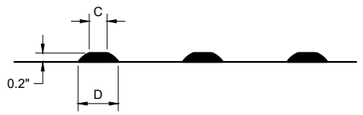
SDD 08D05-21f

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

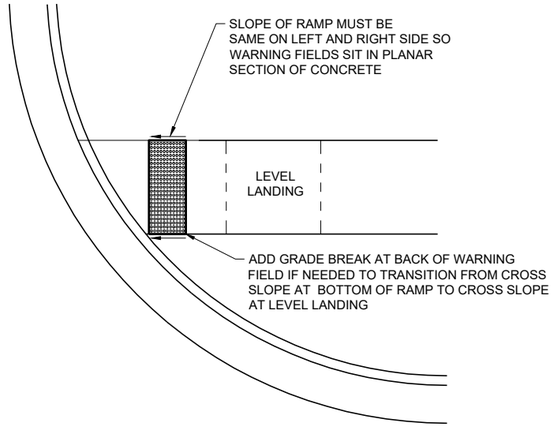
* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.



PLAN VIEW



ELEVATION VIEW



DETECTABLE WARNING FIELD
PLANAR INSTALLATION

GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AT A CURB RAMP SHALL BE FROM THE SAME MANUFACTURER.

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

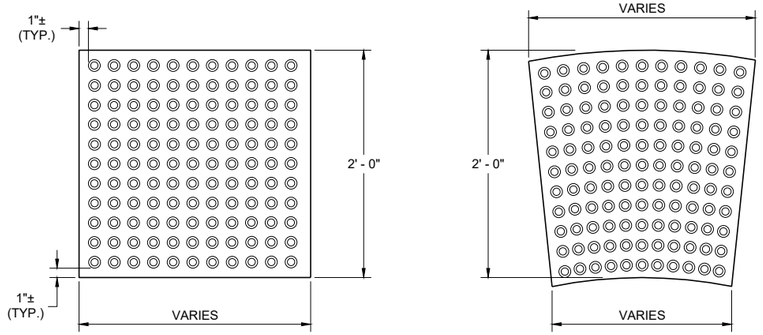
FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

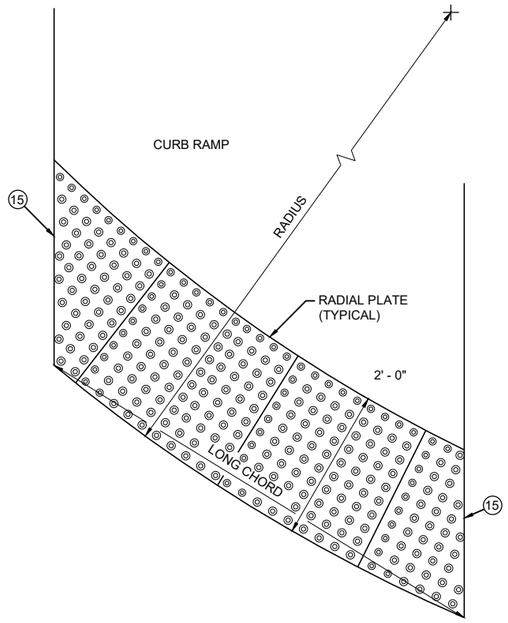
TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



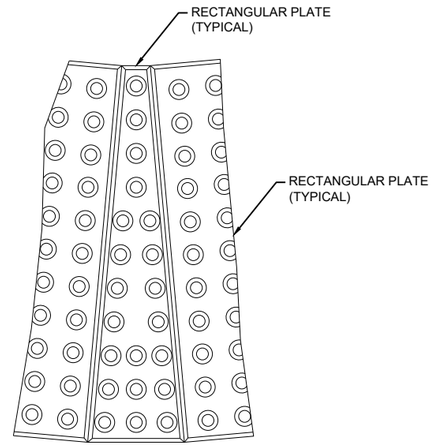
RECTANGULAR PLATES

RADIAL PLATES

PLAN VIEW
DETECTABLE WARNING FIELDS (TYPICAL)



PLAN VIEW
RADIAL DETECTABLE WARNING FIELD ATTRIBUTES



PLAN VIEW
RADIAL WEDGE PLATE CONNECTION DETAIL

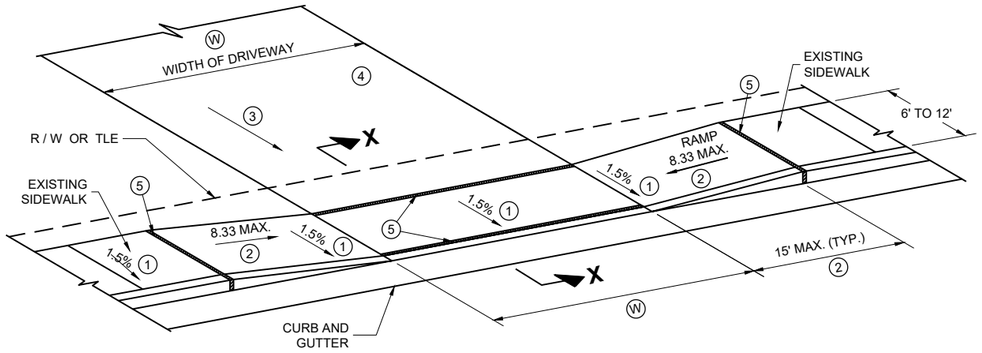
CURB RAMPS
RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

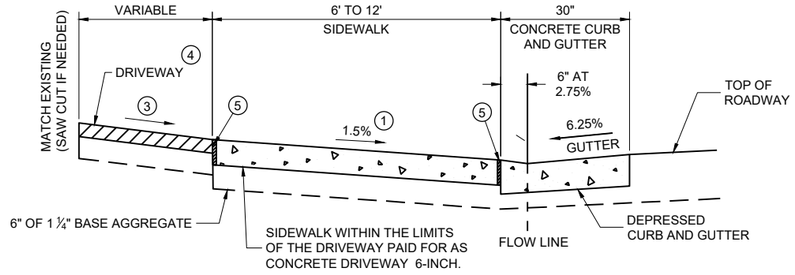
APPROVED
July 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

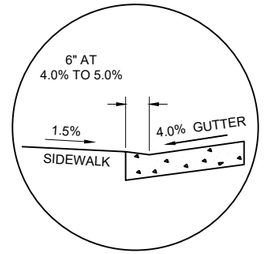
6
SDD 08D05-21g



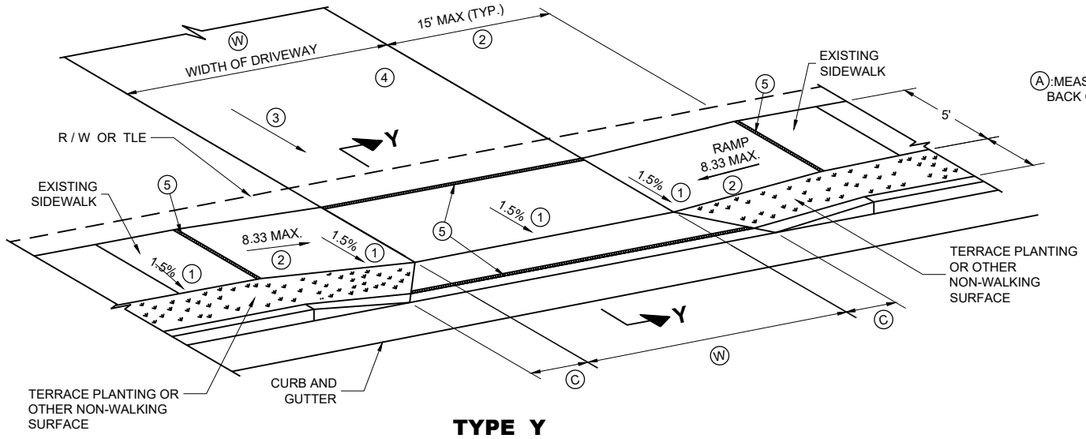
TYPE X
SIDEWALK ABUTS CURB AND GUTTER
TERRACE VARIES 0 TO 3 FEET



SECTION X - X



SECTION X - X
4% GUTTER SLOPE



TYPE Y
SIDEWALK WITH NARROWER TERRACE
TERRACE VARIES 4 TO 6 FEET

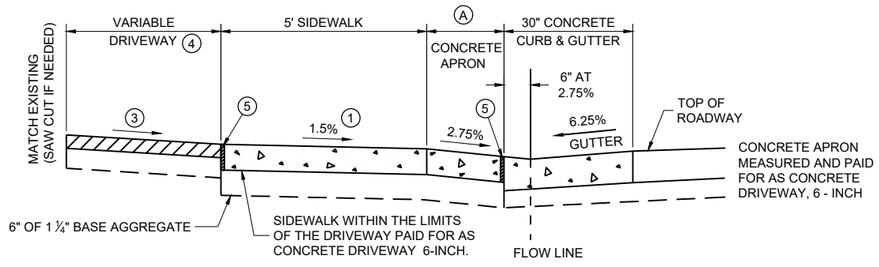
Ⓐ:MEASURE FROM BACK OF CURB

Ⓦ: 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)

16' MIN. - 35' MAX. COMMERCIAL (CE)

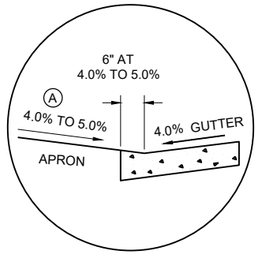
TABLE Y

Ⓐ FEET	Ⓒ FEET
3.5'	2.0'
4.5'	3.0'
5.5'	3.5'



NOTE: SIDEWALK MY BE DEPRESSED IN DRIVEWAY AREAS

SECTION Y - Y



SECTION Y - Y
4% GUTTER SLOPE

DRIVEWAY DETAIL WITH CONCRETE CURB AND GUTTER
(URBAN AND SUBURBAN)

GENERAL NOTES

PROVIDE CONSTRUCTION JOINTS ALONG THE CENTER OF THE CONCRETE FOR DRIVEWAYS UNDER 20 FEET IN WIDTH AND AT THE THIRD POINTS OVER 20 FEET IN WIDTH.

Ⓦ IS SHOWN ON PLAN AND PROFILE SHEETS.

OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

① CONSTRUCTION TOLERANCE OF 0.5%± FOR SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

② THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL GRADE OF THE ROADWAY. SLOPE SIDEWALK RAMP TOWARD APRON AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

③ DRIVEWAY SLOPES: DESIRABLE MAXIMUM
- 10.5% UP AWAY FROM SIDEWALK (SAG)
- 8.5% DOWN AWAY FROM SIDEWALK (CREST)
- ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG

④ DRIVEWAY TYPES
- 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE
- 2-INCH TO 3-INCH ASPHALTIC SURFACE OVER 6-INCH BASE AGGREGATE
- 6-INCH BASE AGGREGATE (MAY BE INCREASED FOR CLAY SUBGRADES.)

⑤ ½" EXPANSION JOINT FILLER

DRIVEWAY AND SIDEWALK RAMPS TYPES X AND Y

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

SDD 08D18-04

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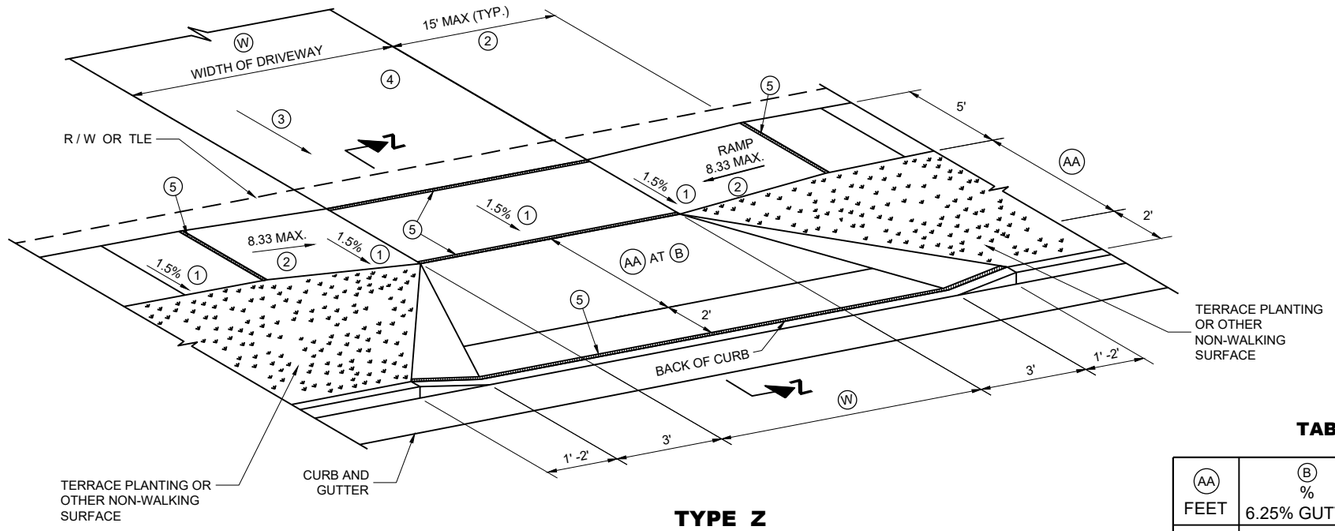


TYPE Z

SIDEWALK WITH WIDER TERRACE
TERRACE VARIES 7 TO 12 FEET

GENERAL NOTES

PROVIDE CONSTRUCTION JOINTS ALONG THE CENTER OF THE CONCRETE FOR DRIVEWAYS UNDER 20 FEET IN WIDTH AND AT THE THIRD POINTS OVER 20 FEET IN WIDTH.

(W) IS SHOWN ON PLAN AND PROFILE SHEETS.

OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

(1) CONSTRUCTION TOLERANCE OF 0.5%± FOR SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

(2) THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL GRADE OF THE ROADWAY.

(3) DRIVEWAY SLOPES: DESIRABLE MAXIMUM
- 10.5% UP AWAY FROM SIDEWALK (SAG)
- 8.5% DOWN AWAY FROM SIDEWALK (CREST)
- ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG

(4) DRIVEWAY TYPES
- 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE
- 2-INCH TO 3-INCH ASPHALTIC SURFACE OVER 6-INCH BASE AGGREGATE
- 6-INCH BASE AGGREGATE (MAY BE INCREASED FOR CLAY SUBGRADES.)

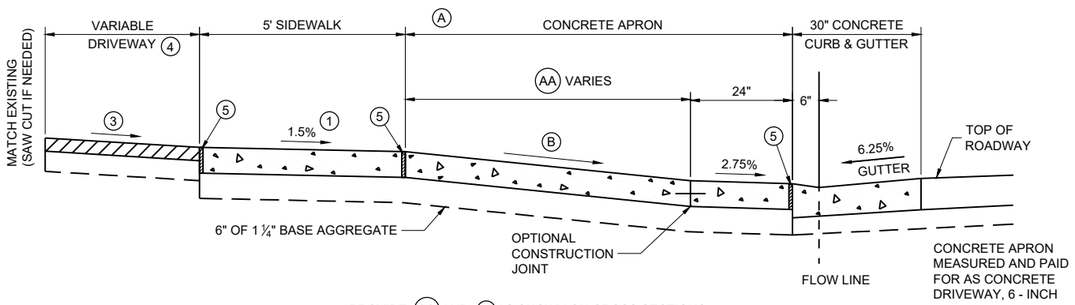
(5) ½" EXPANSION JOINT FILLER.

TABLE Z

(AA) FEET	(B) % 6.25% GUTTER	(B) % 4% GUTTER
4.5'	11.5%	9% TO 11.5%
5.5'	9% TO 11.5%	8% TO 11.5%
6.5'	8% TO 11.5%	6% TO 11.5%
7.5'	7% TO 11.5%	6% TO 11.5%
8.5'	6% TO 11.5%	5% TO 11.5%
9.5'	5% TO 11.5%	4% TO 11.5%

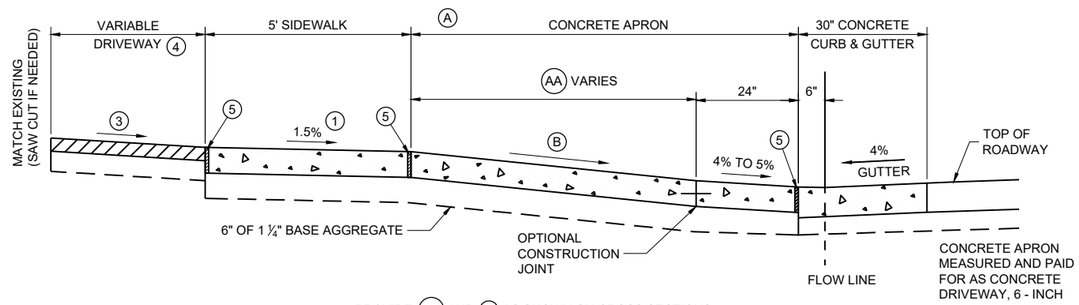
(W): 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)

16' MIN. - 35' MAX. COMMERCIAL (CE)



PROVIDE (AA) AND (B) AS SHOWN ON CROSS SECTIONS.

6.25% GUTTER SLOPE



PROVIDE (AA) AND (B) AS SHOWN ON CROSS SECTIONS.

4% GUTTER SLOPE

NOTE: SIDEWALK MY BE DEPRESSED IN DRIVEWAY AREAS FOR (B) VALUES NOT SHOWN IN TABLE Z.

SIDEWALK WITHIN THE LIMITS OF THE DRIVEWAY PAID FOR AS CONCRETE DRIVEWAY 6-INCH.

SECTION Z - Z

DRIVEWAY DETAIL WITH CONCRETE CURB AND GUTTER

(URBAN AND SUBURBAN)

DRIVEWAY AND SIDEWALK RAMPS TYPE Z

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

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SDD 08D19-04

GENERAL NOTES

A MAXIMUM RADIUS OF 10 FEET SHALL BE USED FOR NON-COMMERCIAL PRIVATE ENTRANCES. RADII FOR COMMERCIAL DRIVEWAYS SHALL BE DETERMINED BY THE ENGINEER BASED ON TRAFFIC AND DRIVEWAY PERMIT RESTRICTIONS.

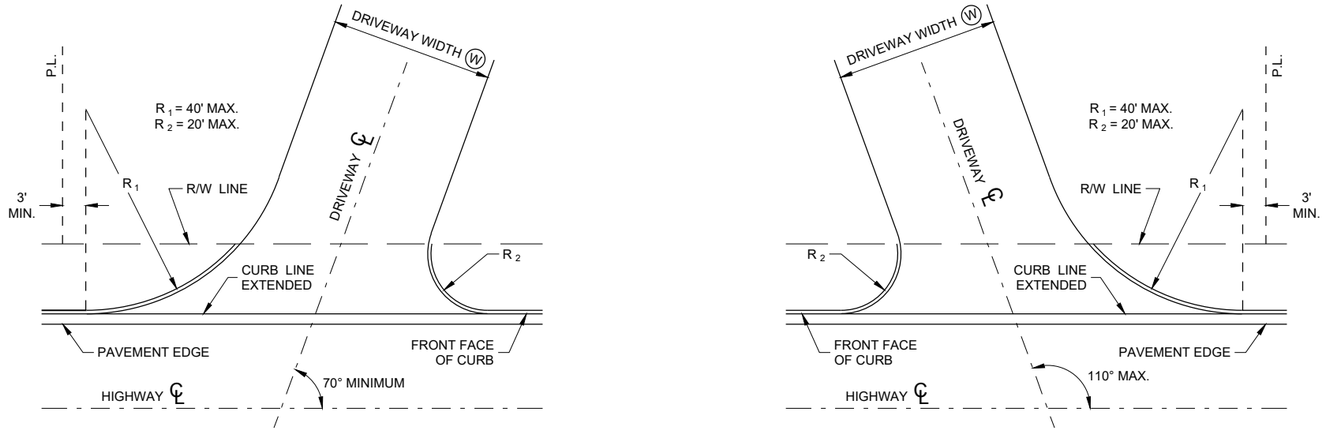
THE MINIMUM ANGLE OF INTERSECTION BETWEEN THE DRIVEWAY AND HIGHWAY CENTERLINES SHALL BE 70°.

ALL CURVILINEAR PRIVATE ENTRANCE OUTLINES SHALL BE CONTAINED WITHIN THE HIGHWAY R/W.

NO DRIVEWAY SHALL BE BUILT WITHIN 3 FEET OF THE PROPERTY LINE EXCEPT FOR EXISTING JOINT DRIVEWAY SHARED BY TWO OWNERS.

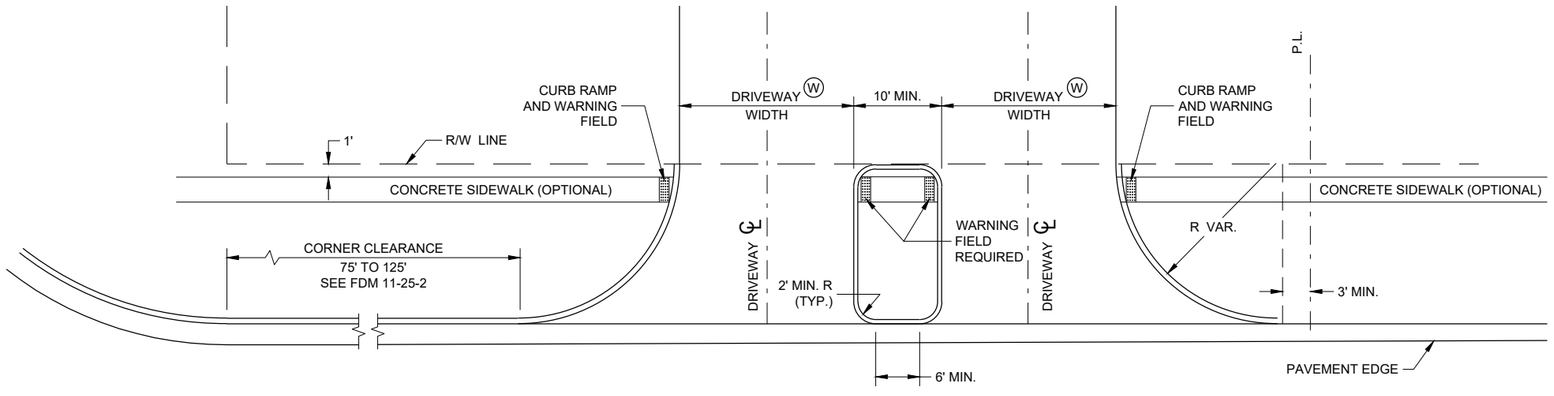
Ⓦ: 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)

16' MIN. - 35' MAX. COMMERCIAL (CE)



SKEWED DRIVEWAY DETAILS (COMMERCIAL AND NON-COMMERCIAL)

SIDEWALK NOT SHOWN



DRIVEWAY LOCATION AND SPACING DETAILS

SIDEWALK SHOWN

DRIVEWAYS WITH CURB AND GUTTER RETURNS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

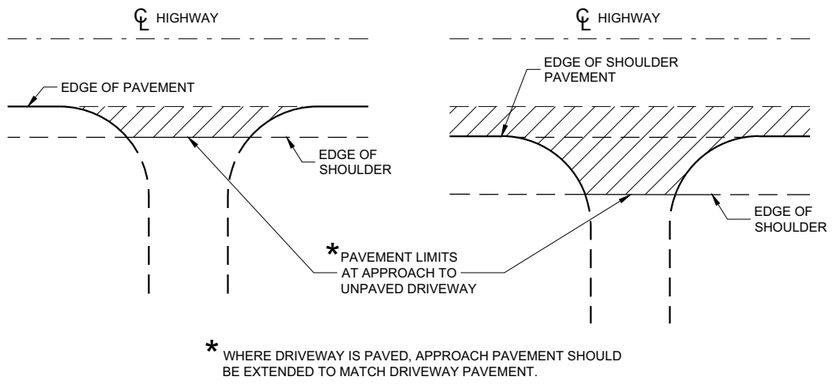
00-00-00 — DATE

/S/ <AUTHOR> — ROADWAY STANDARDS DEVE ENGINEER

FHWA

SDD 08D20 - 01

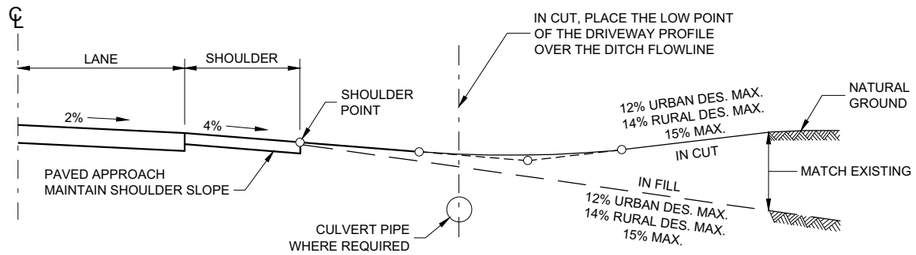
SDD 08D20 - 01



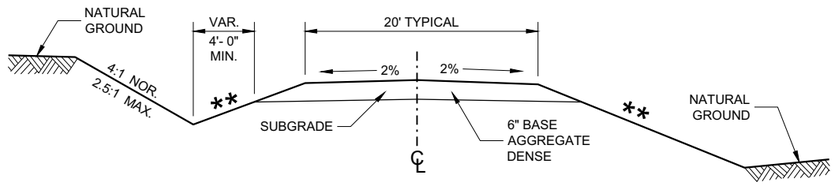
PLAN VIEW
(UNPAVED SHOULDER ON HIGHWAY)

PLAN VIEW
(PAVED SHOULDER ON HIGHWAY)

RURAL DRIVEWAY INTERSECTION DETAIL
(NO CURB AND GUTTER OR SIDEWALK)



TYPICAL DRIVEWAY PROFILES

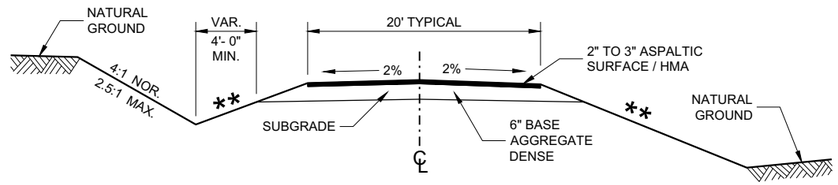


IN CUT IN FILL

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE AGGREGATE SURFACE

** SLOPE CAN VARY WITH SPEED. SEE 11-45-30.6.2

POSTED SPEED MPH	MAX. SLOPE
<35	4:1
≥ 35 TO < 60	6:1
≥60	10:1



IN CUT IN FILL

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE ASPHALTIC SURFACE

DRIVEWAYS WITHOUT CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2017 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE UNIT SUPERVISOR

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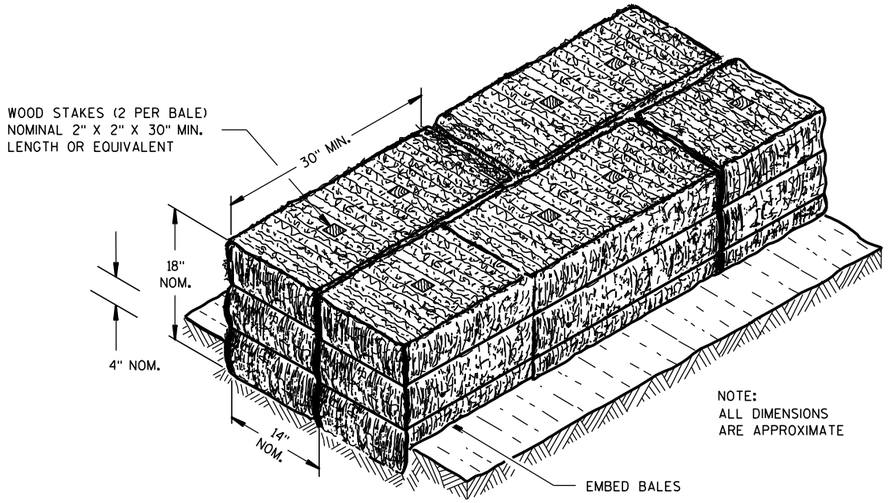
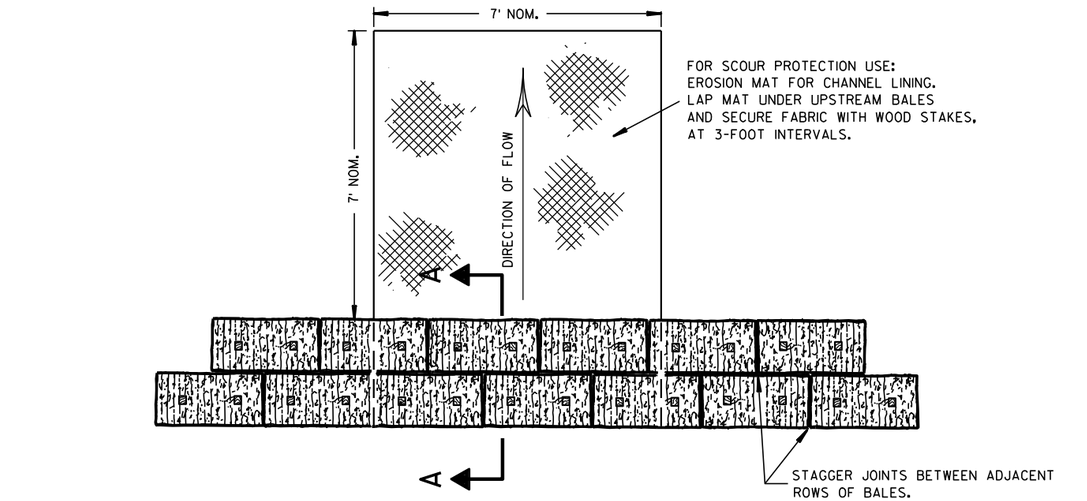
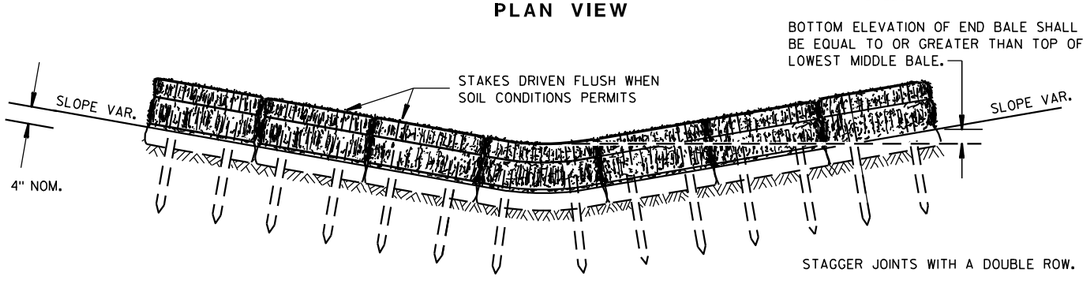


SECTION A-A



PLAN VIEW



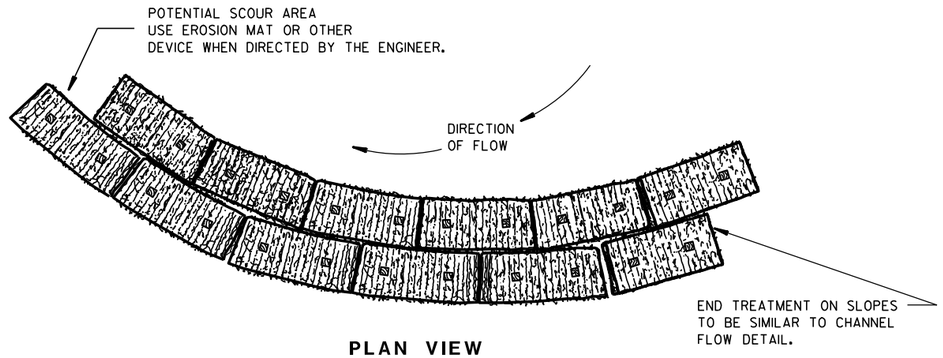
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

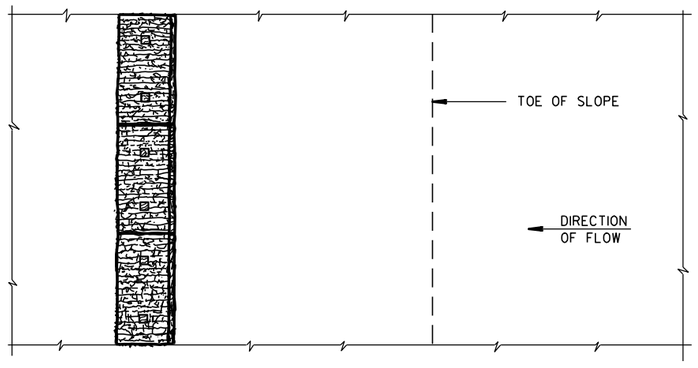
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(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.

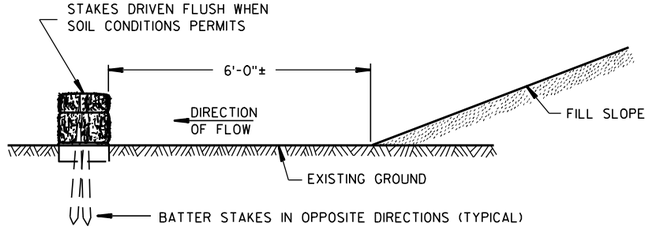


PLAN VIEW

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

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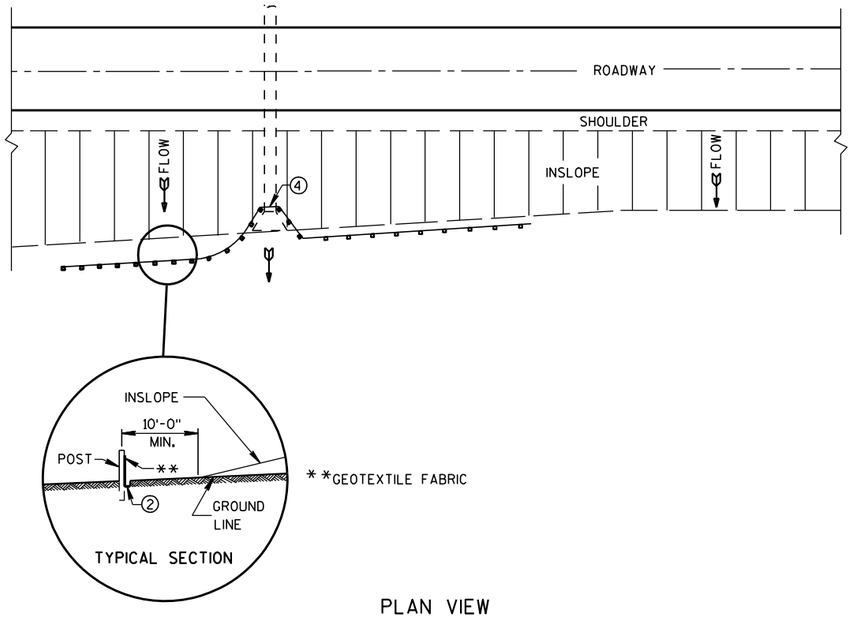
S.D.D. 8 E 8-3

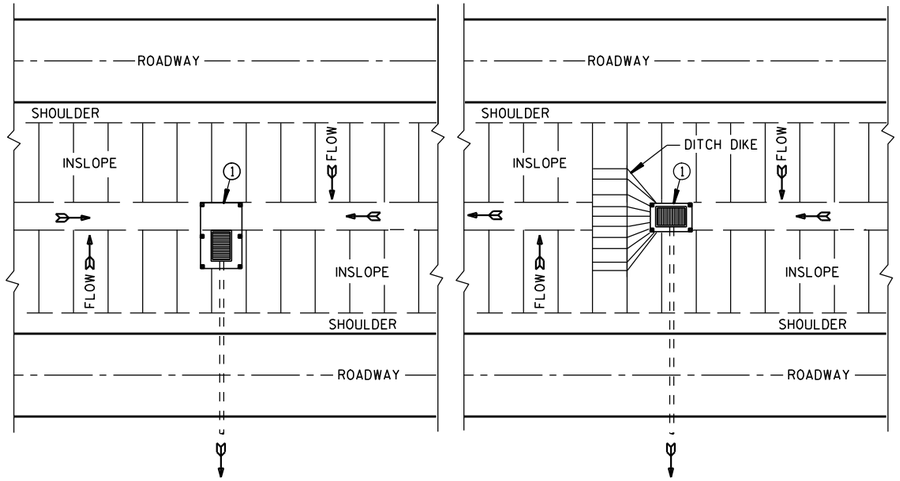
6

S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



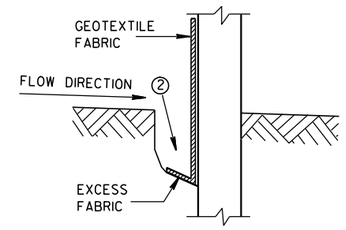
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

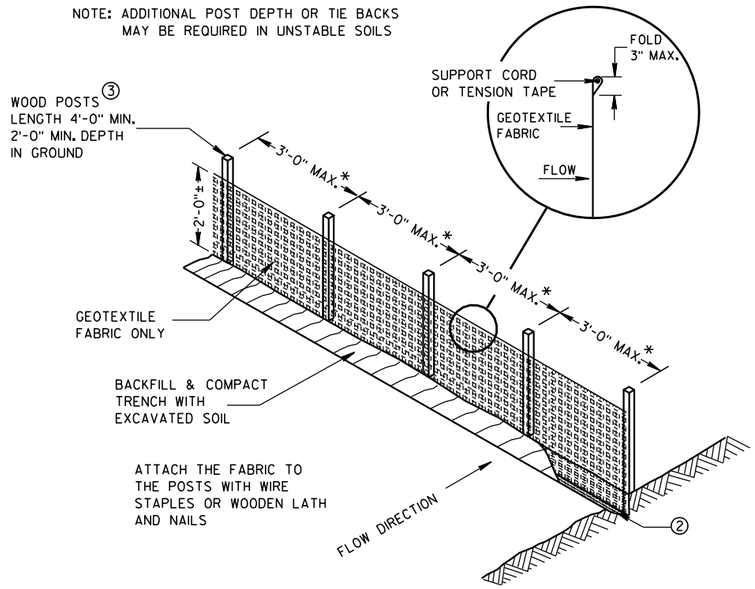
GENERAL NOTES

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.

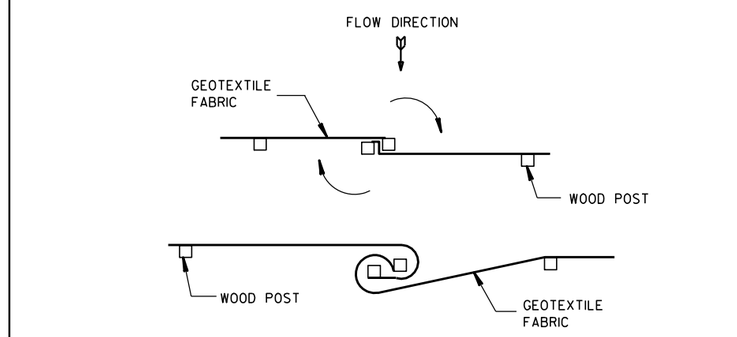


TRENCH DETAIL

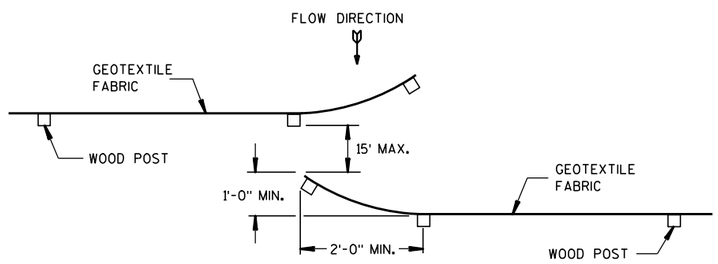


*NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

SILT FENCE

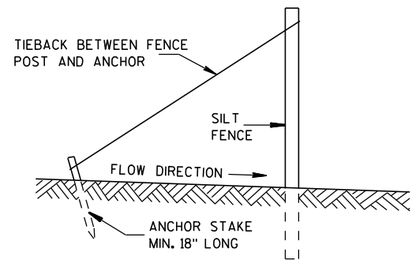


TWIST METHOD



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

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S.D.D. 8 E 9-6

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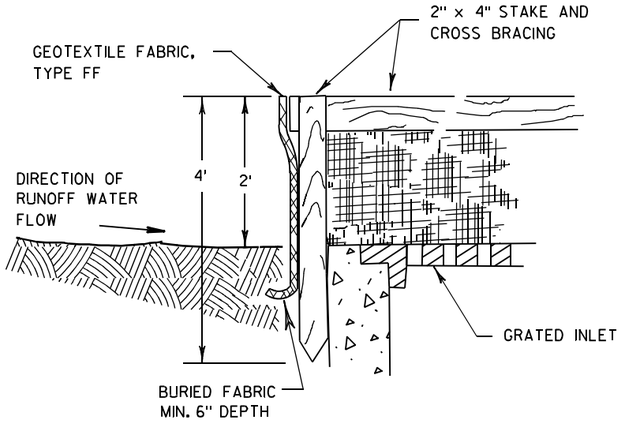
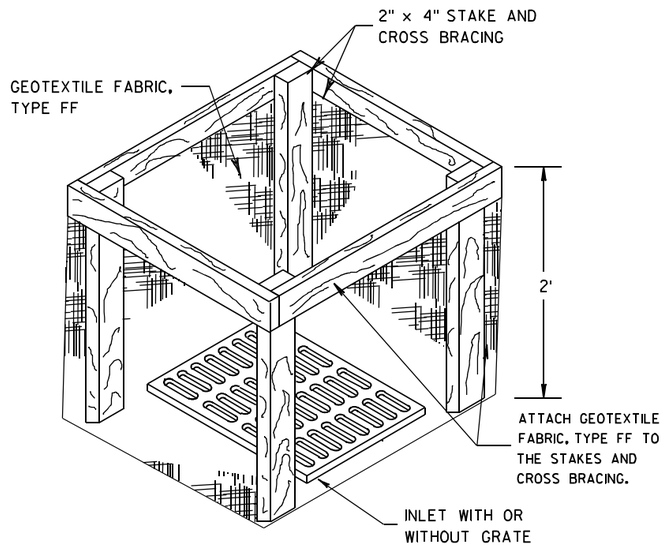
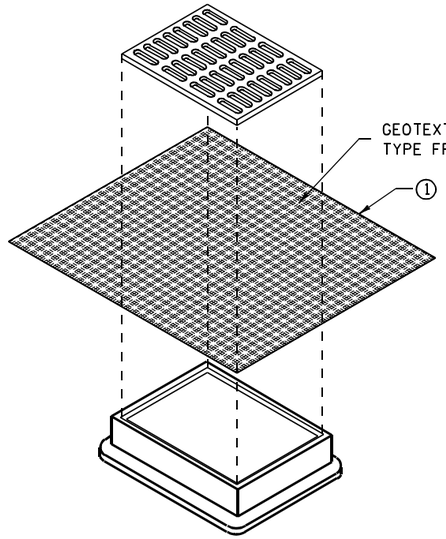
S.D.D. 8 E 9-6



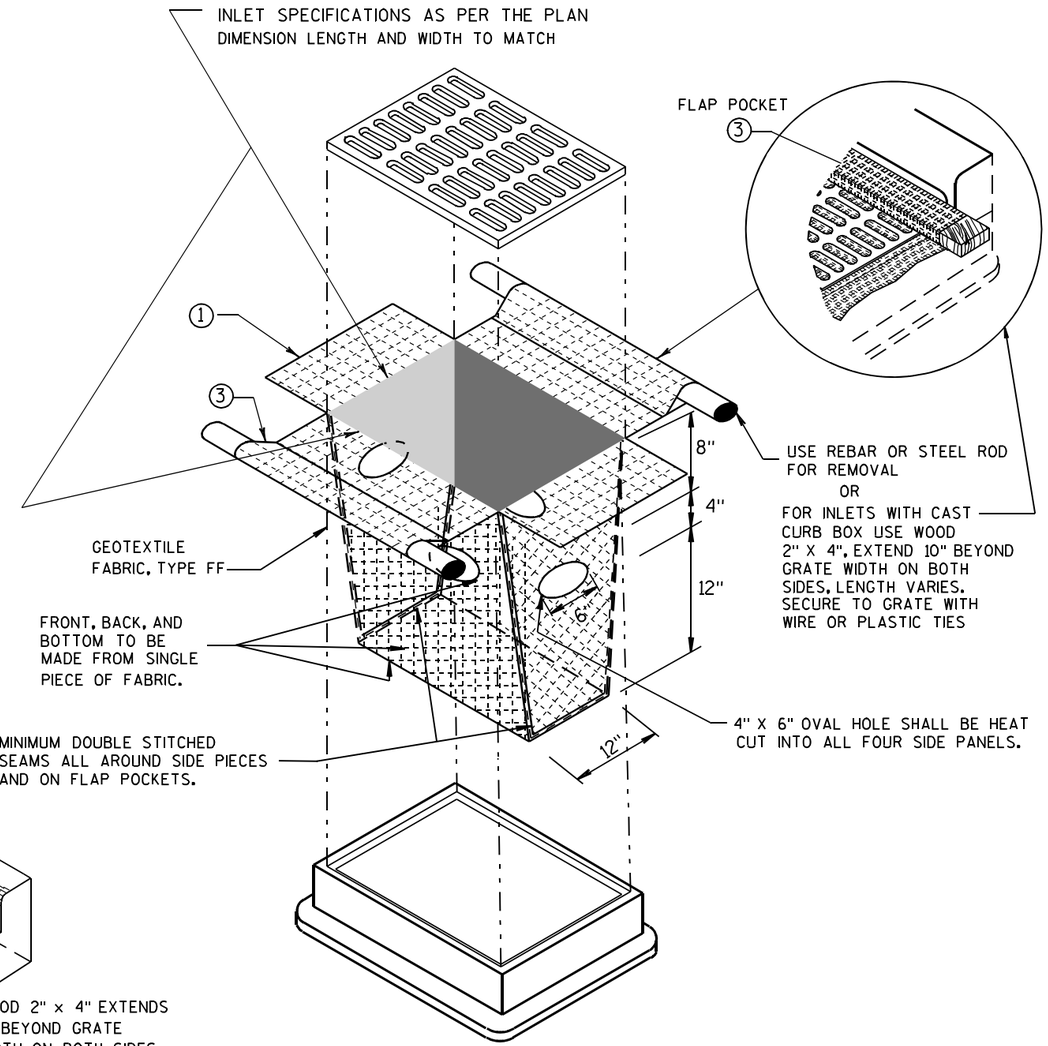


INLET PROTECTION, TYPE A



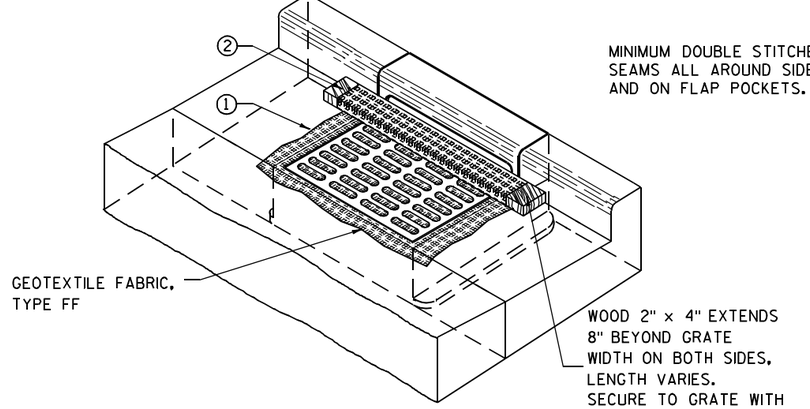
INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)



INLET PROTECTION, TYPE C (WITH CURB BOX)

GENERAL NOTES

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

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

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

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

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

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

TYPE D

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

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

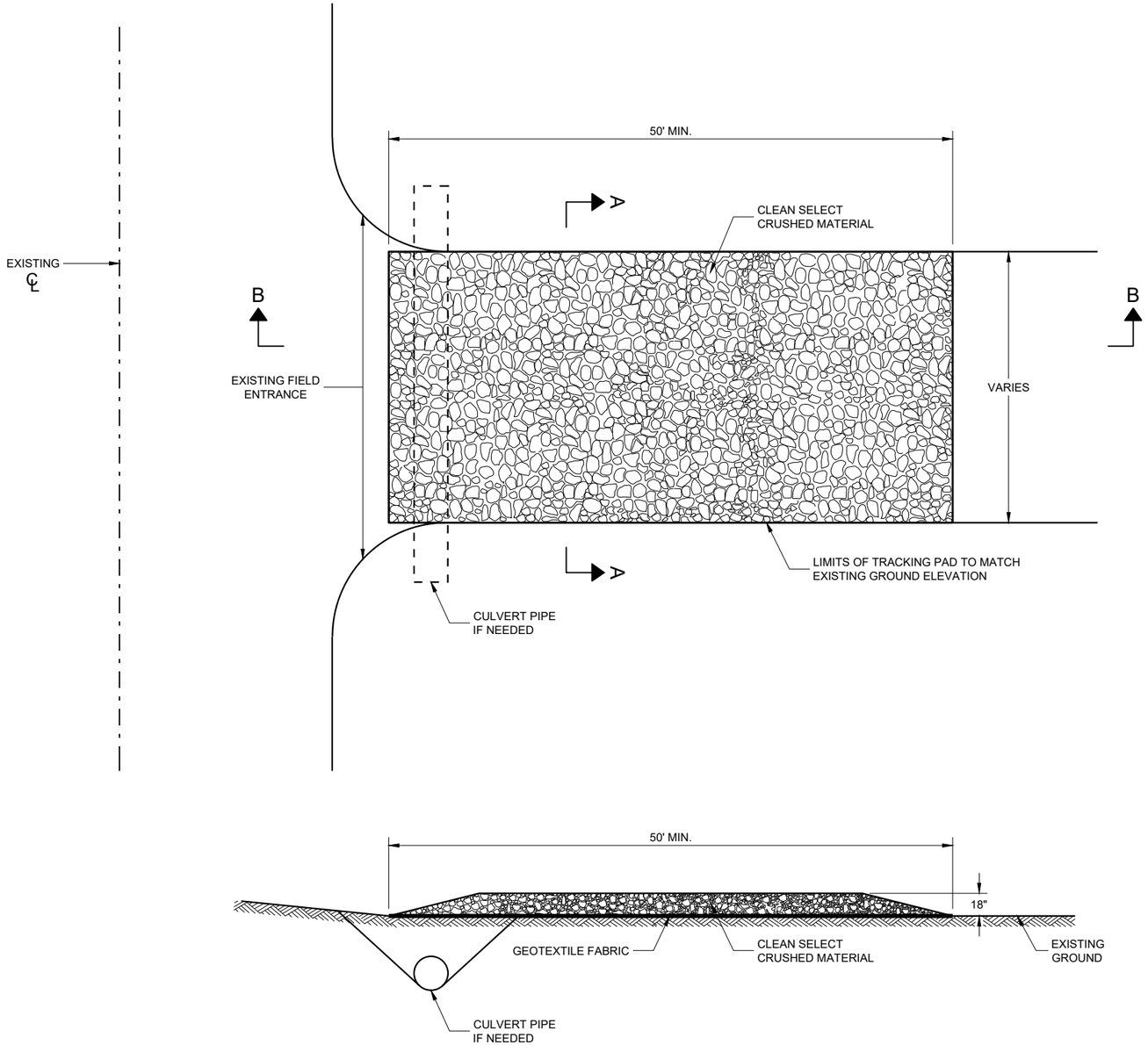
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE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

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/16/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 E 10-2



SECTION B - B

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.

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

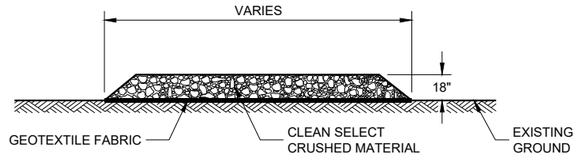
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A - A

6

SDD 08E14 - 01

TRACKING PAD

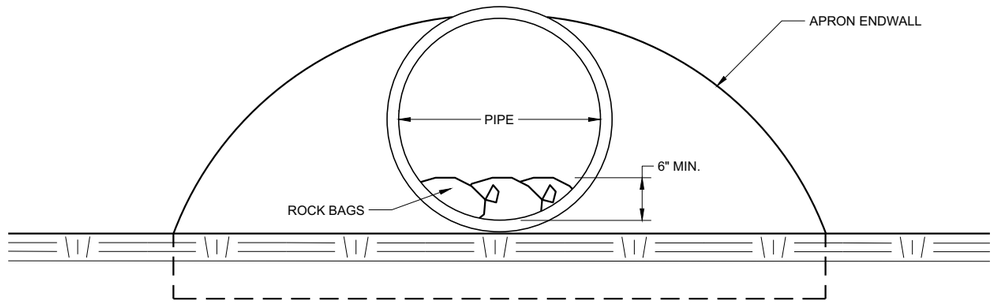
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/24/2011
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVE ENGINEER

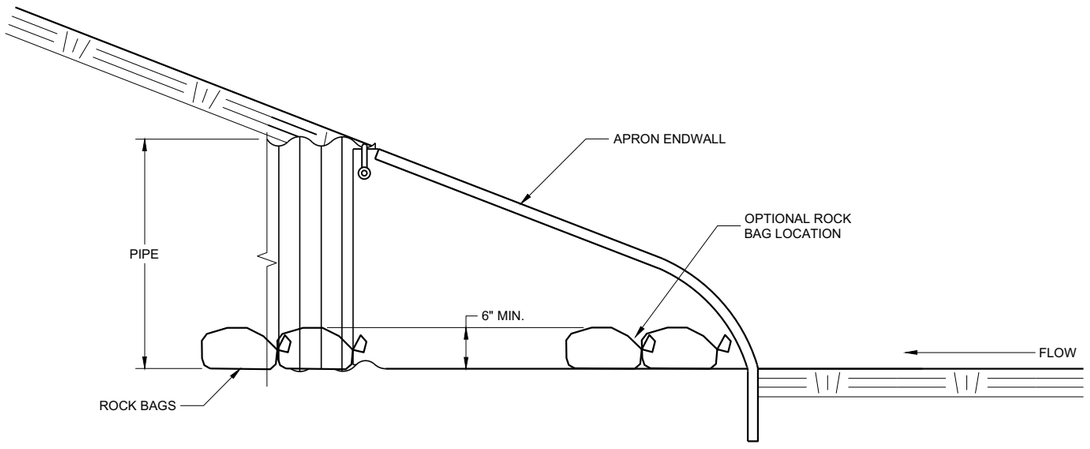
FHWA

6

SDD 08E14 - 01



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

6

SDD 08E15 - 01

METAL APRON ENDWALLS

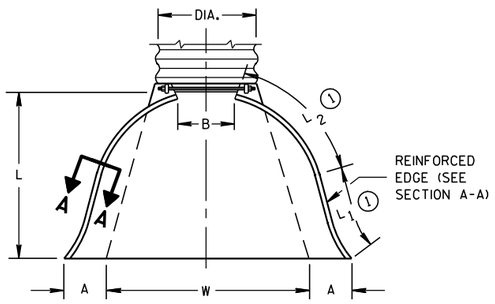
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	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

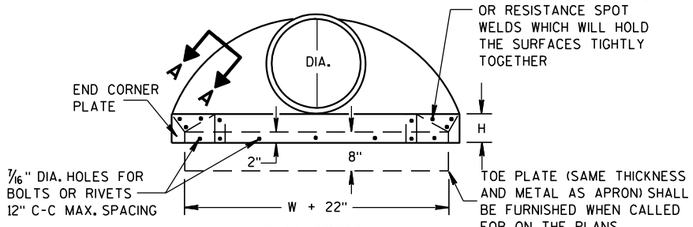
REINFORCED CONCRETE APRON ENDWALLS

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

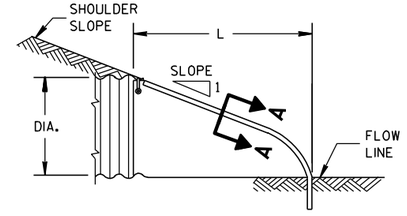
*MINIMUM
**MAXIMUM



PLAN VIEW

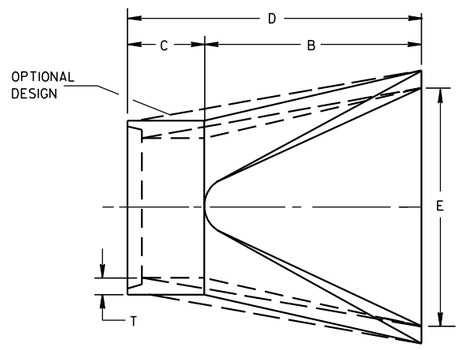


END VIEW

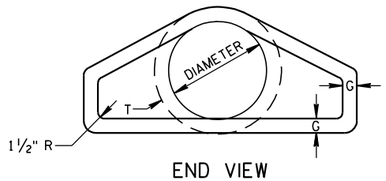


SIDE ELEVATION

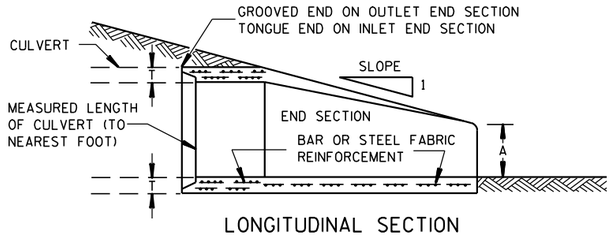
METAL ENDWALLS



PLAN

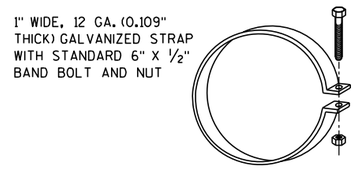


END VIEW



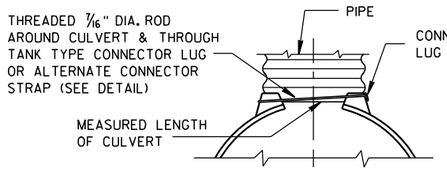
LONGITUDINAL SECTION

CONCRETE ENDWALLS

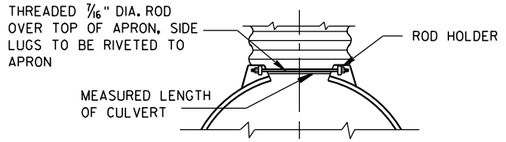


ALTERNATE FOR TYPE 1 CONNECTION

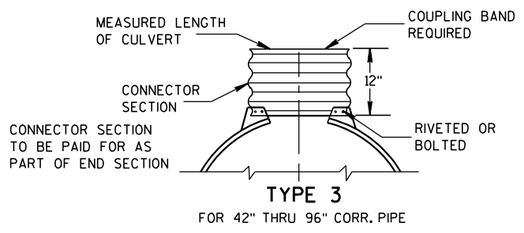
END SECTION CONNECTOR STRAP



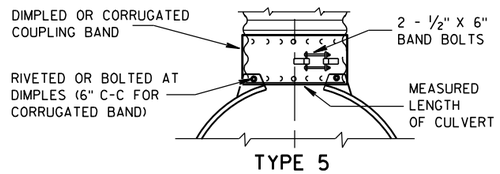
TYPE 1
FOR 12" THRU 24" CORR. PIPE



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

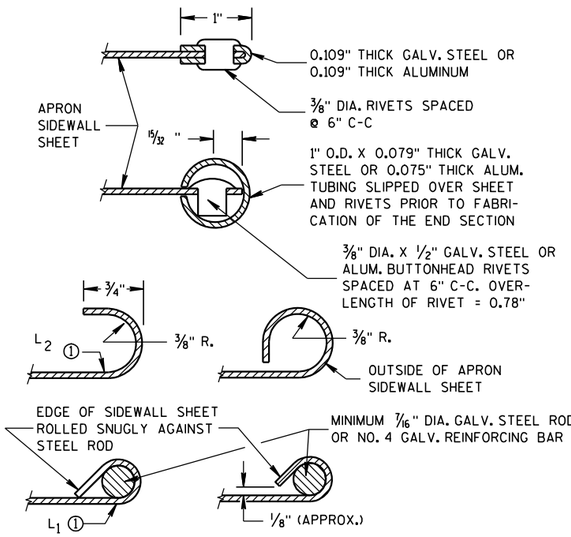
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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.

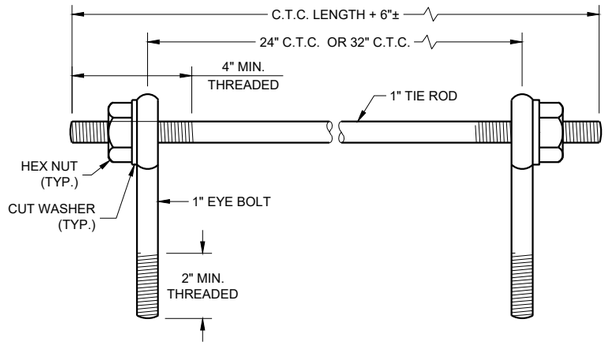
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

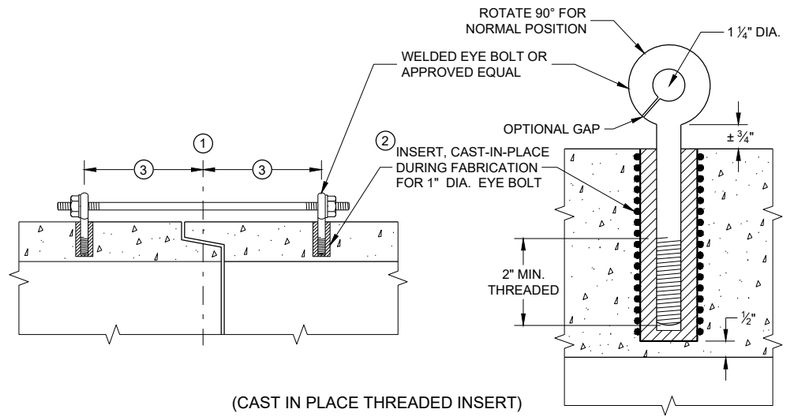
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

6
S.D.D. 8 F 1-11



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.

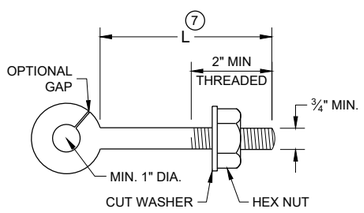
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

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

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

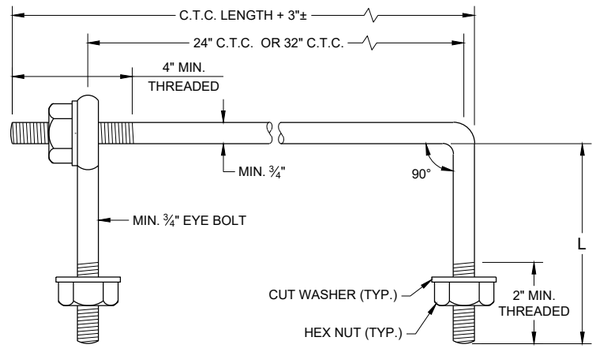
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

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

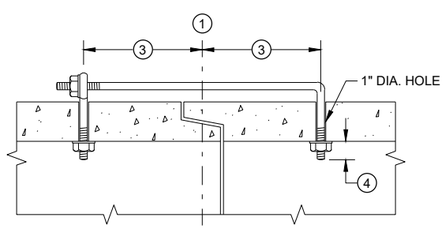


EYE BOLT (7)

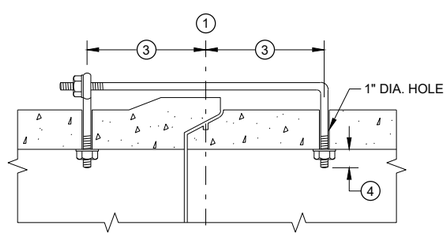
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

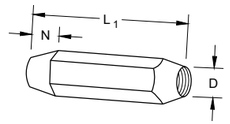
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

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



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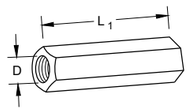
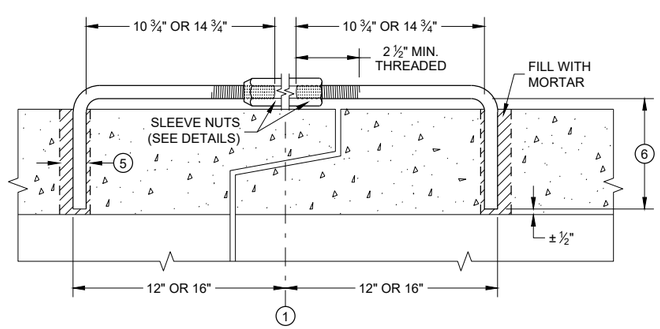


PLAIN

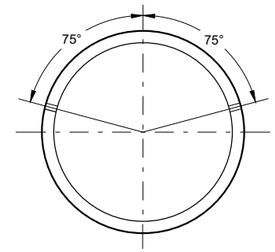
RIGHT AND LEFT THREADS

SLEEVE NUTS



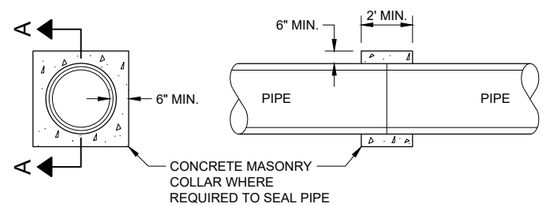
LONGITUDINAL SECTION

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

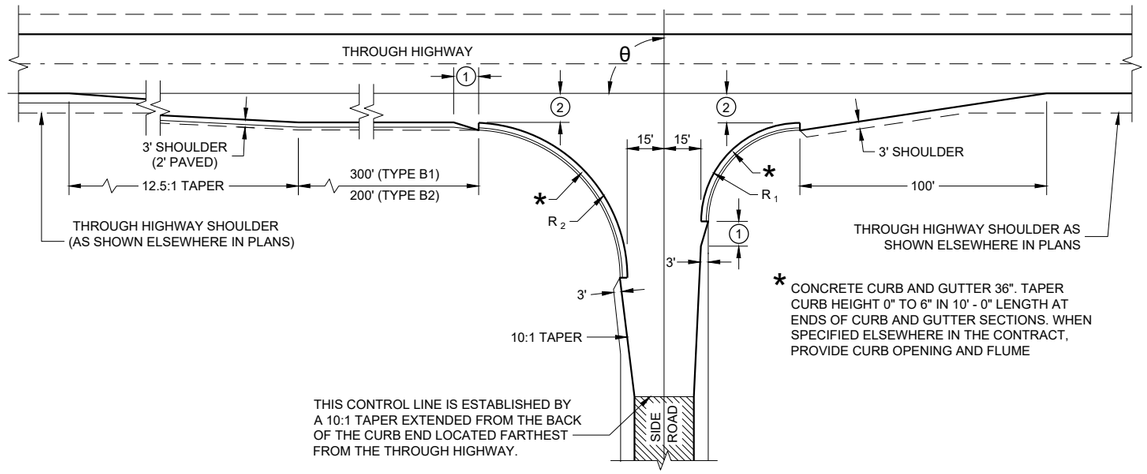
JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

SDD 08F04 - 08

SDD 08F04 - 08



* CONCRETE CURB AND GUTTER 36". TAPER CURB HEIGHT 0" TO 6" IN 10' - 0" LENGTH AT ENDS OF CURB AND GUTTER SECTIONS. WHEN SPECIFIED ELSEWHERE IN THE CONTRACT, PROVIDE CURB OPENING AND FLUME

TYPE "B1" AND "B2"

RADII DIMENSIONS FOR TYPES "B1", "B2", "C" AND "D" INTERSECTIONS

θ	R_1	R_2
65 - 70	35	70
71 - 80	40	70
81 - 90	40	60
91 - 100	50	55
101 - 110	60	45

GENERAL NOTES

DESIGNS MAY BE USED INTERCHANGEABLY IN COMBINATION OR SEPARATELY FOR ANY ONE COMPLETE INTERSECTION DEPENDING UPON INTERSECTION ANGLE AND SURFACING OF EACH APPROACH ROADWAY.

SIDE ROAD SURFACING NOTE

WHEN THE SIDE ROAD IS NOT PRESENTLY PAVED, PAVEMENT SHALL BE PLACED TO THE LIMITS SHOWN UNLESS OTHERWISE PROVIDED IN THE CONTRACT. WHERE THE CONSTRUCTION LIMITS ARE BEYOND THE PAVING LIMITS, CRUSHED AGGREGATE SURFACING SHALL BE PLACED BETWEEN THE PAVING LIMITS AND CONSTRUCTION LIMITS.

WHEN THE SIDE ROAD IS PRESENTLY PAVED, NEW PAVEMENT SHALL BE PLACED TO THE LIMITS OF DESIGN AS SHOWN AND BEYOND, IF NECESSARY, TO MEET EXISTING PAVEMENT.

WHEN THE SIDE ROAD IS THE CONSTRUCTION PROJECT, THE INTERSECTION SURFACING SHALL BE THE SAME AS FOR THE PROJECT.

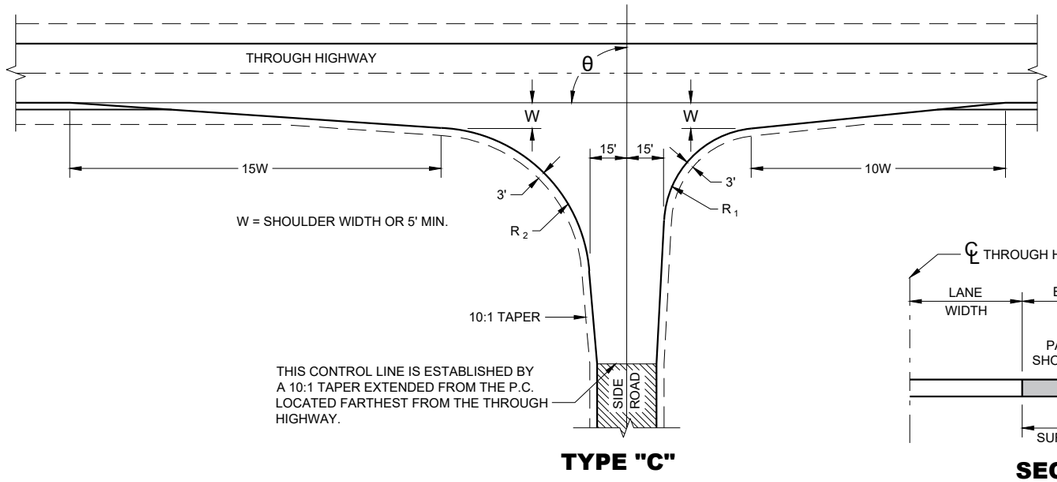
(1) 10-FT TYPICAL.

(2) 12-FT** PLUS ADDITIONAL WIDTH FOR BIKE LANE IF SHOWN ELSEWHERE IN THE PLAN.

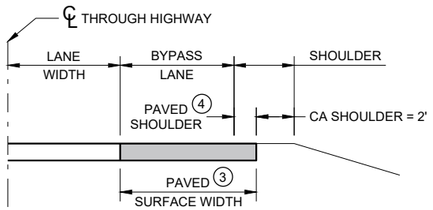
**10-FT MAY BE USED ON TYPE B2 ON RESURFACING PROJECTS IF SPECIFIED IN THE CONTRACT.

(3) BYPASS LANE PAVED SURFACE WIDTH OUTSIDE OF TRAVEL LANE
- ASPHALT = 12-FT PLUS PAVED SHOULDER WIDTH
- PC CONCRETE = 13-FT PLUS PAVED SHOULDER WIDTH

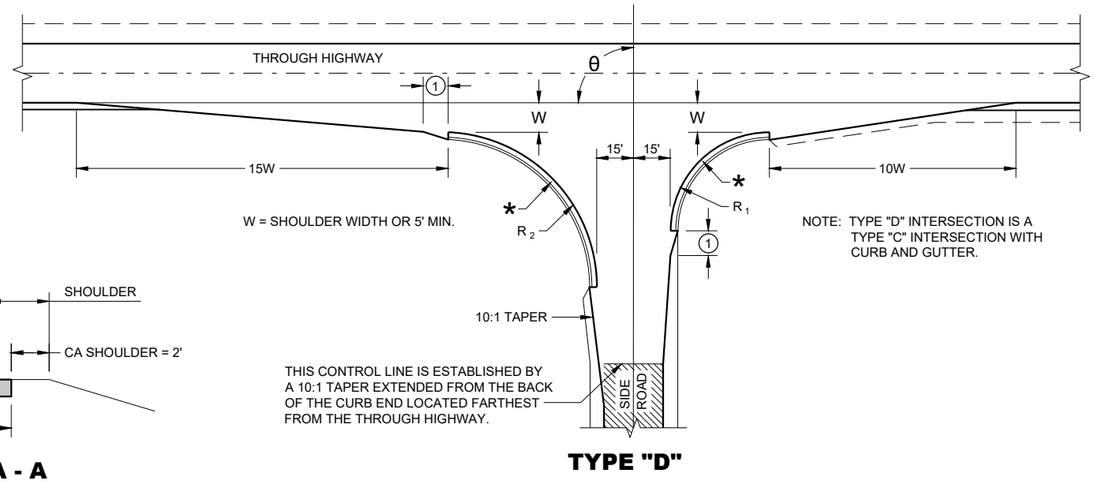
(4) BYPASS LANE PAVED SHOULDER WIDTH = THE GREATER OF 1-FT OR THE PAVED SHOULDER WIDTH OF THE THROUGH HIGHWAY.



TYPE "C"

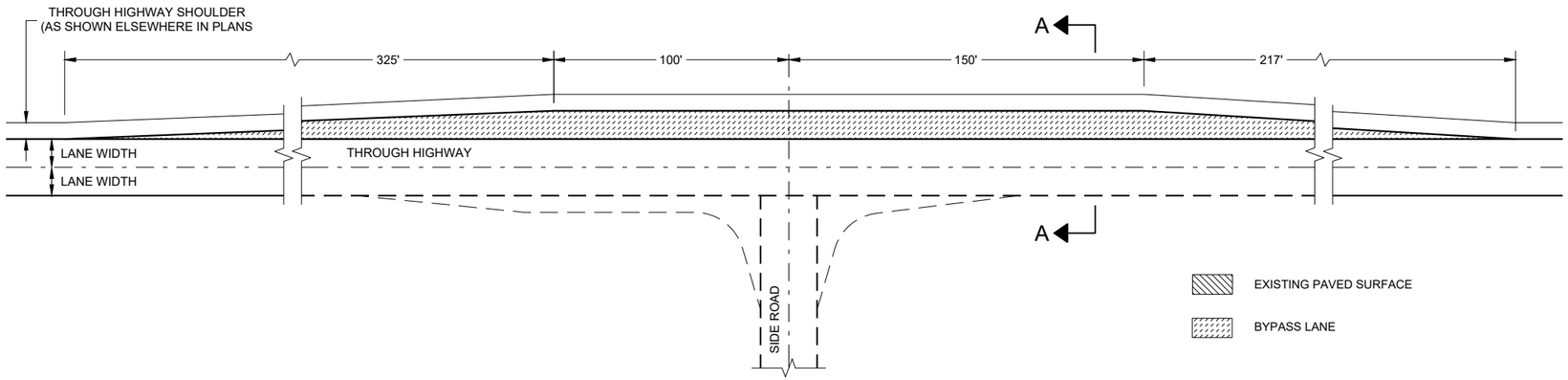


SECTION A - A
(SHOWING BYPASS LANE AND SHOULDER)



NOTE: TYPE "D" INTERSECTION IS A TYPE "C" INTERSECTION WITH CURB AND GUTTER.

TYPE "D"



TEE INTERSECTION BYPASS LANE DETAIL

AT GRADE SIDE ROAD INTERSECTION TYPES "B1", "B2", "C", "D" AND TEE INTERSECTION BYPASS LANE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 09A01 - 14a

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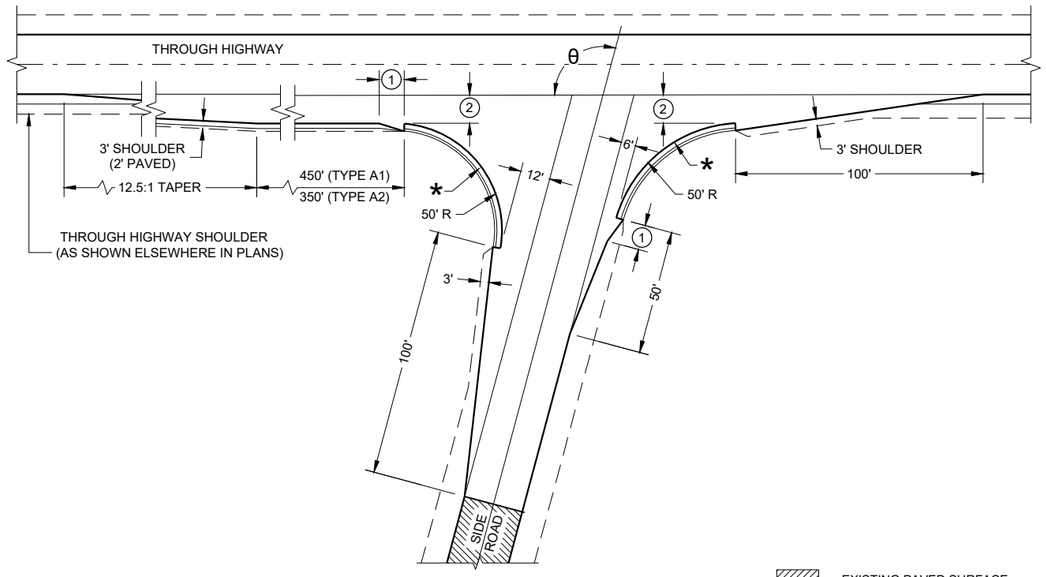
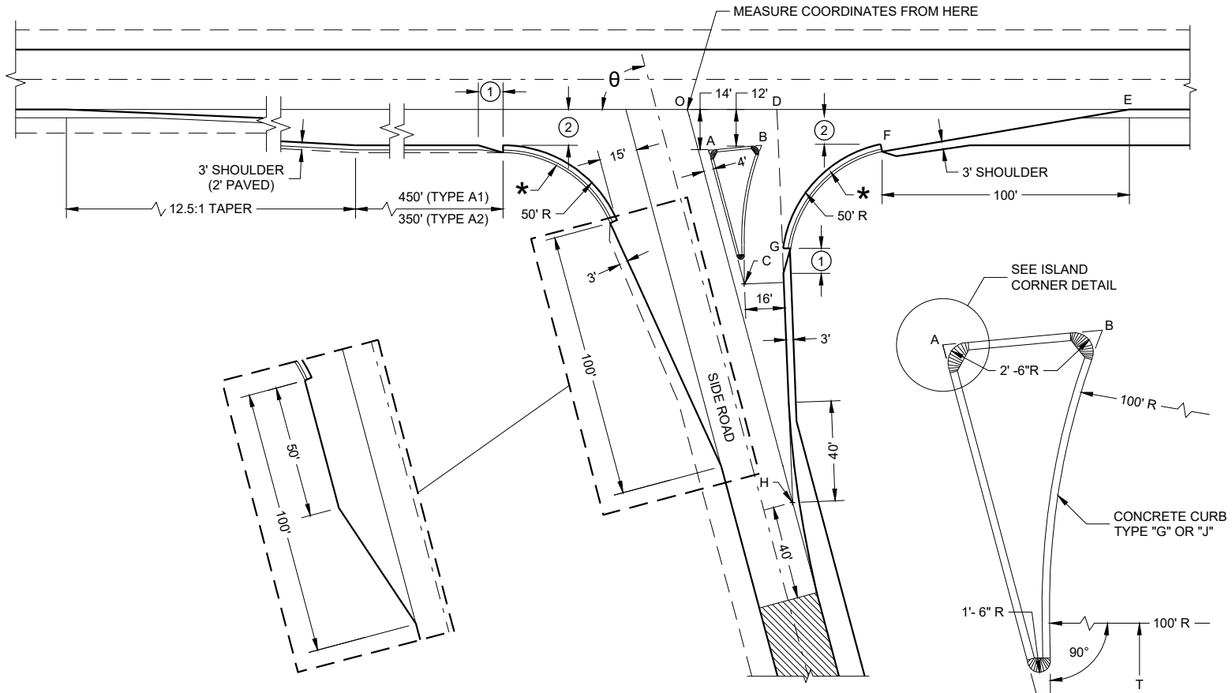
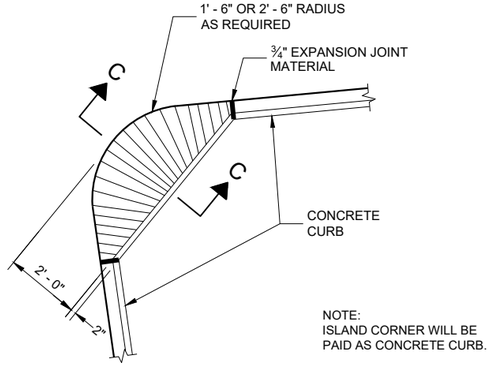


θ = MORE THAN 80°

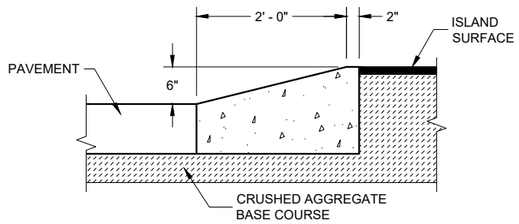


SIDE ROAD WIDENING AND TAPER REQUIRED WHERE
THE THROUGH HIGHWAY CARRIES TWO-WAY TRAFFIC
θ = ACUTE ANGLES 70° OR LESS

θ = ACUTE ANGLES 80° OR LESS



PLAN VIEW



SECTION C - C

ISLAND CORNER DETAIL

(TO BE CONSTUCTED AT ALL ISLAND CORNERS)

TABLE OF DIMENSIONS FOR VARIABLE SIDE ROAD INTERSECTION ANGLES

(INTERPOLATE VALUES FOR ANGLES NOT SHOWN)

ANGLE θ DEGREES	COORDINATES IN FEET (MEASURED FROM POINT 'O') X / Y								LENGTH IN FEET				
	A	B	C	D	E	F	G	H	AB	AC	T	OJ	OH
60	12.7 / -14.0	44.9 / -12.0	46.4 / -72.4	41.9 / 0.0	205.0 / 0.0	104.6 / -12.0	64.0 / -75.5	85.0 / -147.1	32.3	67.4	4.9	85.9	169.9
65	10.9 / -14.0	39.0 / -12.0	37.8 / -71.6	39.4 / 0.0	196.1 / 0.0	95.7 / -12.0	54.1 / -71.5	70.5 / -151.3	28.2	63.6	8.5	80.9	166.9
70	9.4 / -14.0	33.9 / -12.0	29.8 / -70.1	37.4 / 0.0	188.3 / 0.0	87.8 / -12.0	45.6 / -67.5	56.1 / -154.2	24.6	59.7	11.5	76.1	164.1
75	7.9 / -14.0	29.3 / -12.0	22.3 / -67.9	35.7 / 0.0	181.2 / 0.0	80.7 / -12.0	38.2 / -63.4	41.8 / -155.9	21.5	55.8	13.8	71.4	161.4
80	6.5 / -14.0	25.4 / -12.0	15.6 / -65.2	34.4 / 0.0	174.8 / 0.0	74.4 / -12.0	31.8 / -59.3	27.6 / -156.5	18.9	52.0	15.6	66.9	158.9

TYPE 'A1" AND "A2" SIDE ROAD INTERSECTION DETAILS

AT GRADE SIDE ROAD INTERSECTIONS
TYPES "A1" AND "A2"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022 — DATE
/S/ John Jenkins — ROADWAY STANDARDS DEVE ENGINEER
FHWA

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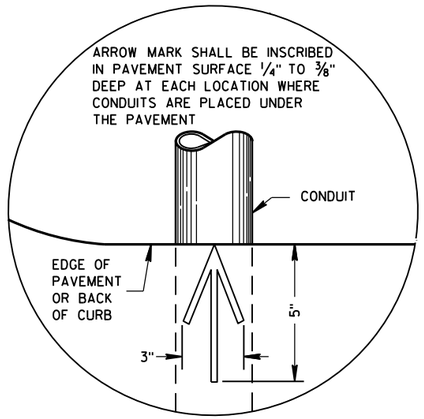
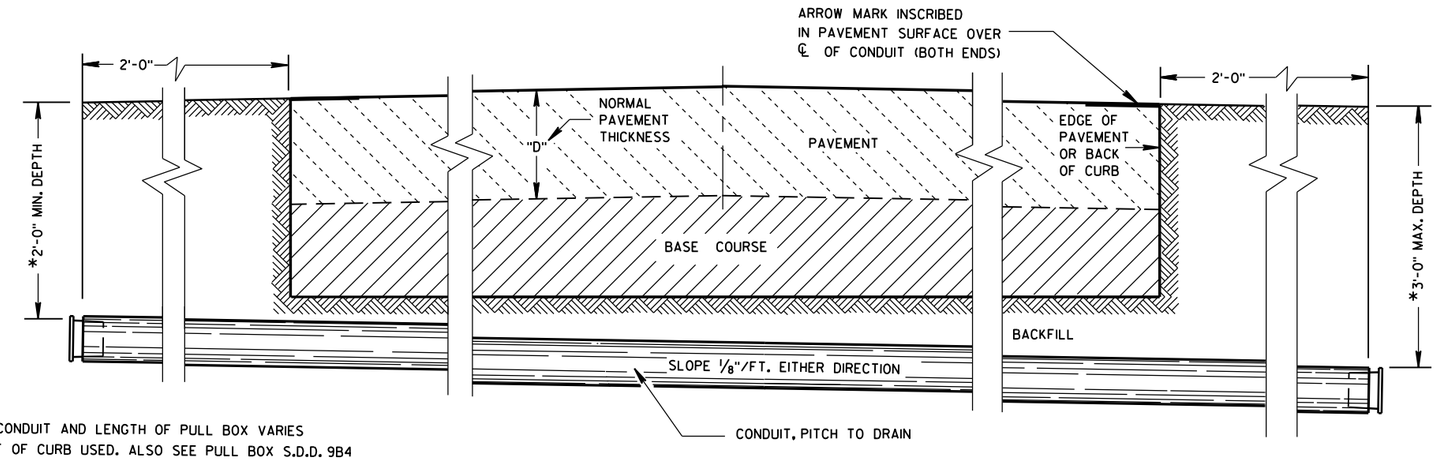
SDD 09A01 - 14b
SDD 09A01 - 14b



PLAN VIEW

ARROW MARK



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

GENERAL NOTES

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

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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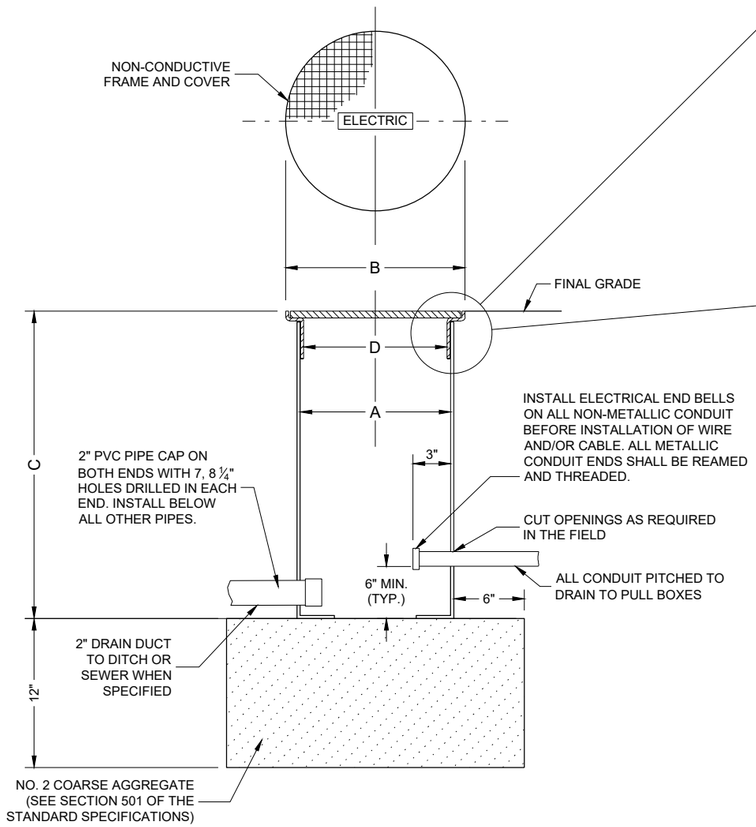
S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

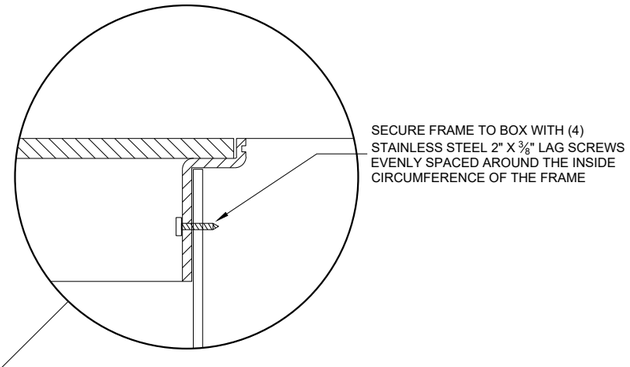
DIMENSION IN INCHES		NON- CONDUCTIVE PULL BOX	
BOX DIAMETER ** (INSIDE)	A	24	24
BOX OVERALL OUTSIDE DIAMETER	B	27	27
BOX LENGTH	C	36	42
FRAME OPENING	D	22 ½	22 ½
WEIGHT IN POUNDS *			
COVER		50	50
BOX ONLY		75	85

* THE ACTUAL WEIGHT OF THE COVER OR BOX ONLY MAY VARY NOT TO EXCEED 100 LBS INDIVIDUALLY.

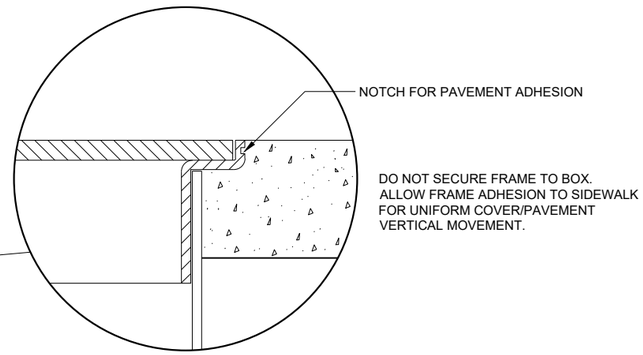
** DIAMETER VARIES FROM TOP TO BOTTOM WITH THE DIAMETER LARGER AT THE BOTTOM TO PREVENT FROST HEAVE.



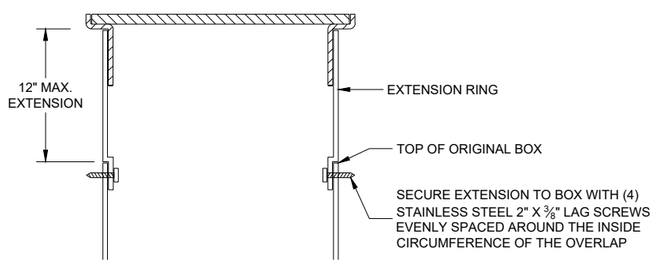
NON-CONDUCTIVE PULL BOX



INSTALLED IN SOD OR CRUSHED AGGREGATE



INSTALLED IN SIDEWALK



BOX EXTENSION

GENERAL NOTES

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

ALL BOXES, FRAMES AND COVERS SHALL BE SUITABLE FOR TIER 15 LOADING AS SPECIFIED IN ANSI/SCTE 77.

PROVIDE AN OPENING FOR TOOL ASSISTED COVER REMOVAL NOT LARGE ENOUGH TO PERMIT PASSAGE OF A SPHERE MORE THAN ½" DIAMETER

ENSURE COVER SURFACE IS SKID RESISTANT WITH A COEFFICIENT OF FRICTION OF AT LEAST 0.5 AND VERTICAL SURFACE DICONTINUITIES LESS THAN ¼".

COVER SHALL BE MAGNETICALLY LOCATABLE.

BOXES AND EXTENSIONS ARE TRIMMABLE FOR CUSTOM LENGTHS. TRIMMED PIECES SHALL MAINTAIN A UNIFORM LENGTH.

ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN ¼".

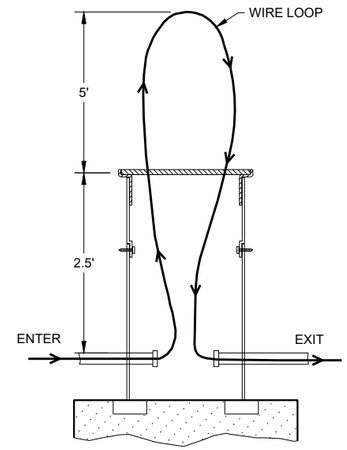
THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

ENTIRE BOX MUST BE CONSTRUCTED OF NON-CONDUCTIVE MATERIALS WITH THE EXCEPTION OF STAINLESS STEEL FASTENERS AND MAGNETIC LOCATABLE DEVICE.

WHEN A PULL BOX IS INSTALLED IN CRUSHED AGGREGATE SHOULDERS, PLACE IT 2-3 INCHES BELOW GRADE AND COVER IT WITH 2-3 INCHES OF CRUSHED AGGREGATE.

LABEL ON COVER SHALL READ "ELECTRIC" FOR SIGNAL AND LIGHTING SYSTEMS, "WISDOT ITS" FOR COMMUNICATIONS AND ITS EQUIPMENT SYSTEMS.



MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX

PULL BOXES NON-CONDUCTIVE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

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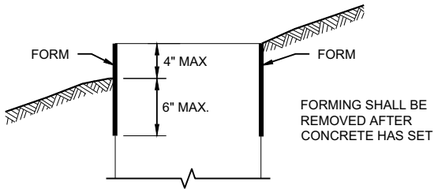
SDD 09B16 - 02

FORM DEPTH SHALL BE NO MORE THAN 6" BELOW GRADE ON THE LOWER SIDE OF BASE



FORMING DETAIL

QUANTITY REQUIREMENTS	CONCRETE BASE TYPE		
	1	2	5 & 6
APPROX. CUBIC YARDS OF CONCRETE	0.40	0.57	0.40
LBS. OF HOOP BAR STEEL	NONE	23	16
LBS. OF VERTICAL BAR STEEL	NONE	60	18

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWINGSHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN A THE ENTRANCE OF THE BASE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FRO FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION.

WHEN REQUIRED TO CONNECT NON-METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 2, TYPE 5 AND TYPE 6 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER ALL BASE TYPES THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD. ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 OF THE STANDARD SPECIFICATIONS.

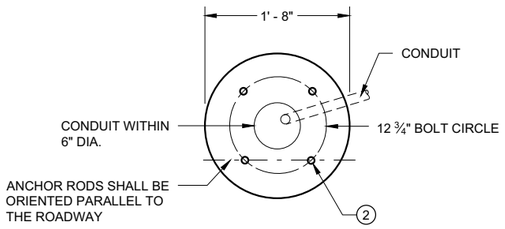
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

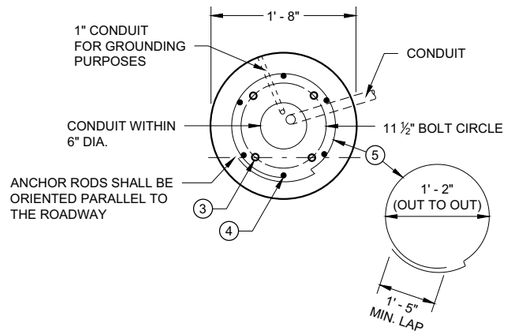
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

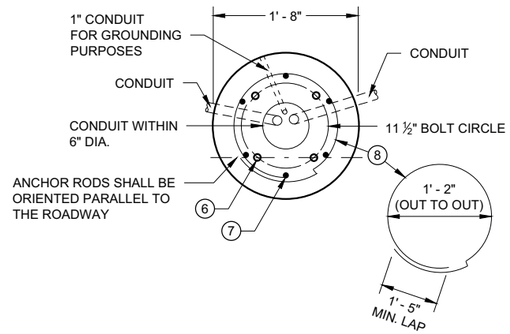
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).







1 THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL OF THE ENGINEER.

2 (4) 1" DIA. X 3' - 6" ANCHOR RODS.

3 (4) 1" DIA. X 5' - 0" ANCHOR RODS.

4 (6) NO. 6 X 6' - 8" BAR STEEL REINFORCEMENT.

5 (7) NO. 4 X 5' - 1" BAR STEEL REINFORCEMENT @ 1' - 0" C - C.

6 (4) 1" DIA. X 3' - 6" ANCHOR RODS.

7 (6) NO. 4 X 4' - 8" BAR STEEL REINFORCEMENT.

8 (5) NO. 4 X 5' - 1" BAR STELL REINFORCEMENT @ 1' - 0" C -C.

9 EXOTHERMIC CONNECTION TO EUIPMENT GROUNDING CONDUCTOR

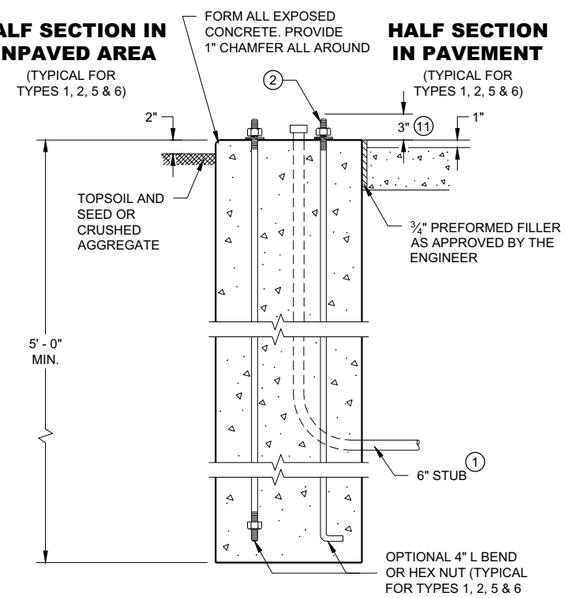
10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

11 ANY ANCHOR ROD PROJECTION SHORTER THAN 2 ¾" OR LONGER THAN 3 ¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

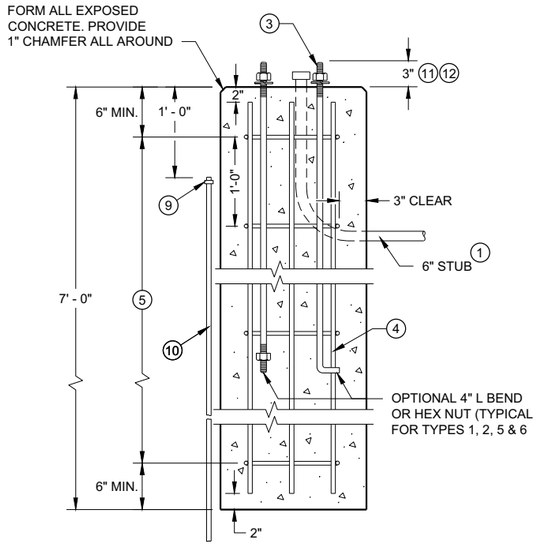
12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



TYPE 1



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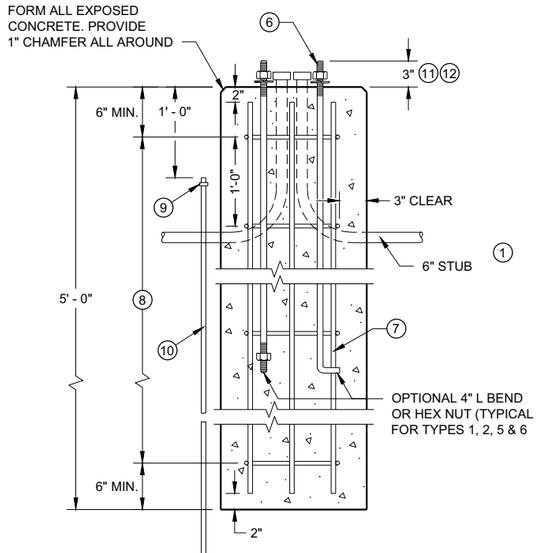

TYPE 5 & 6

CONCRETE BASES

CONCRETE BASES
TYPES 1, 2, 5, & 6

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

FHWA

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SDD 09C02 - 09

GENERAL NOTES

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

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATIONS.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIM LENGTH SHALL BE LONG ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

A NEMA APPROVED, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO #4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

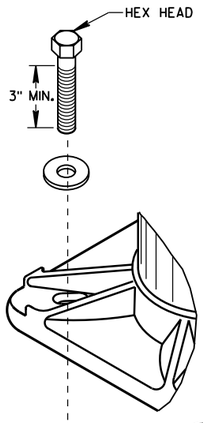
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

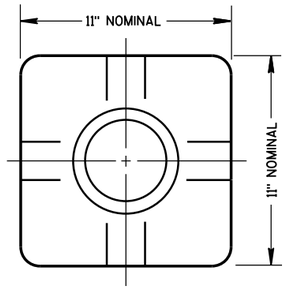
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

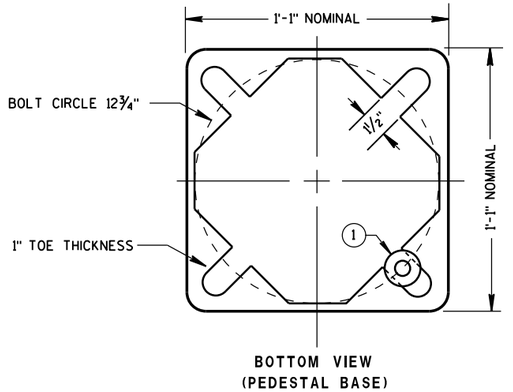
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

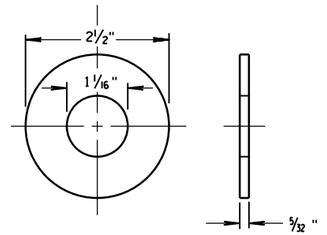




TOP VIEW
(PEDESTAL BASE)

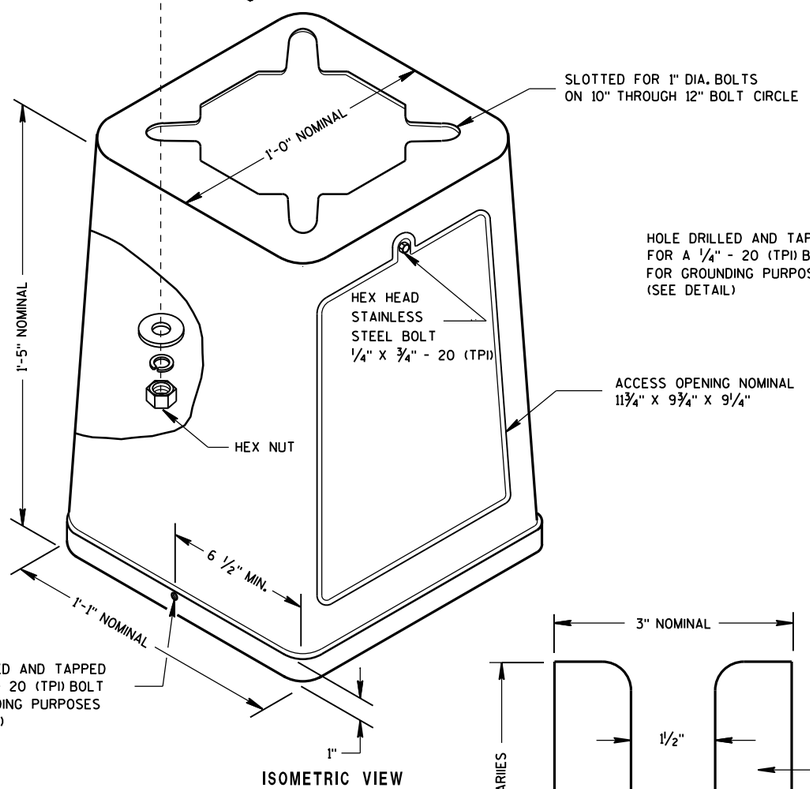


BOTTOM VIEW
(PEDESTAL BASE)

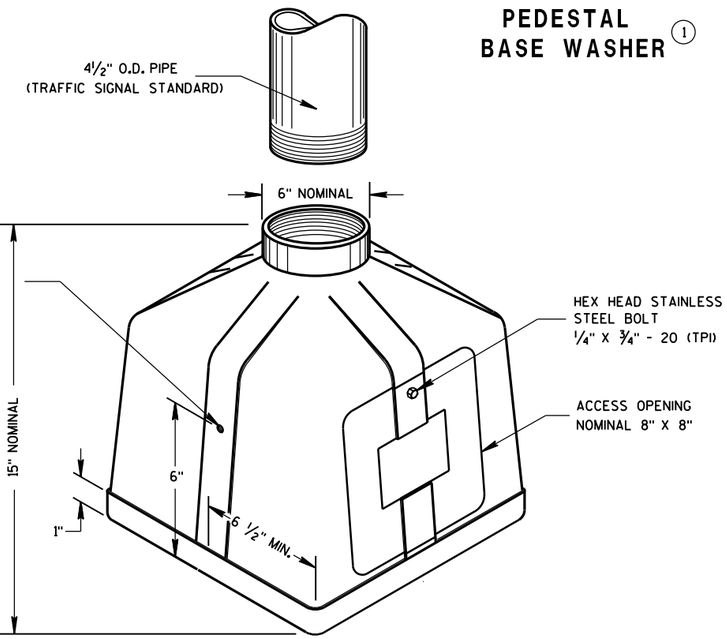


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

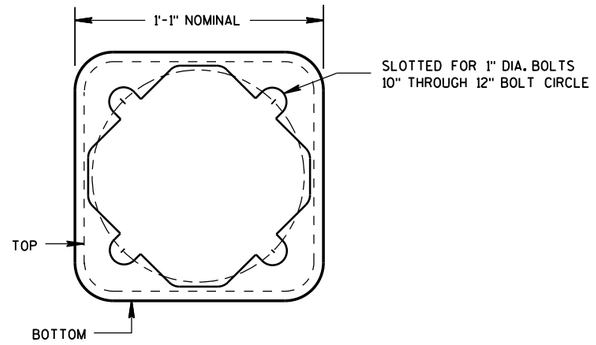
PEDESTAL BASE WASHER (1)



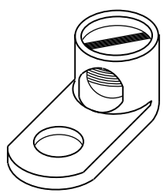
ISOMETRIC VIEW



ISOMETRIC VIEW
PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

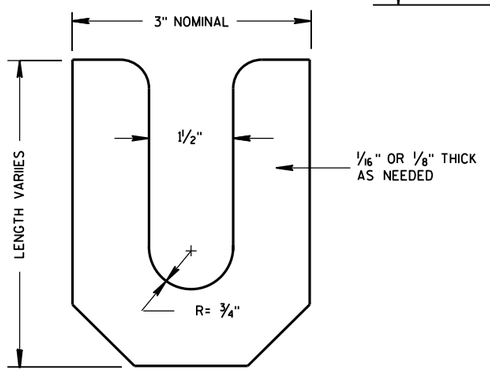


TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE

INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

TRANSFORMER/PEDESTAL BASES	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED Sept. 2014 DATE	/S/ Ahmet Demirbilek STATE ELECTRICAL 250
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S.D.D. 9 C 3-4

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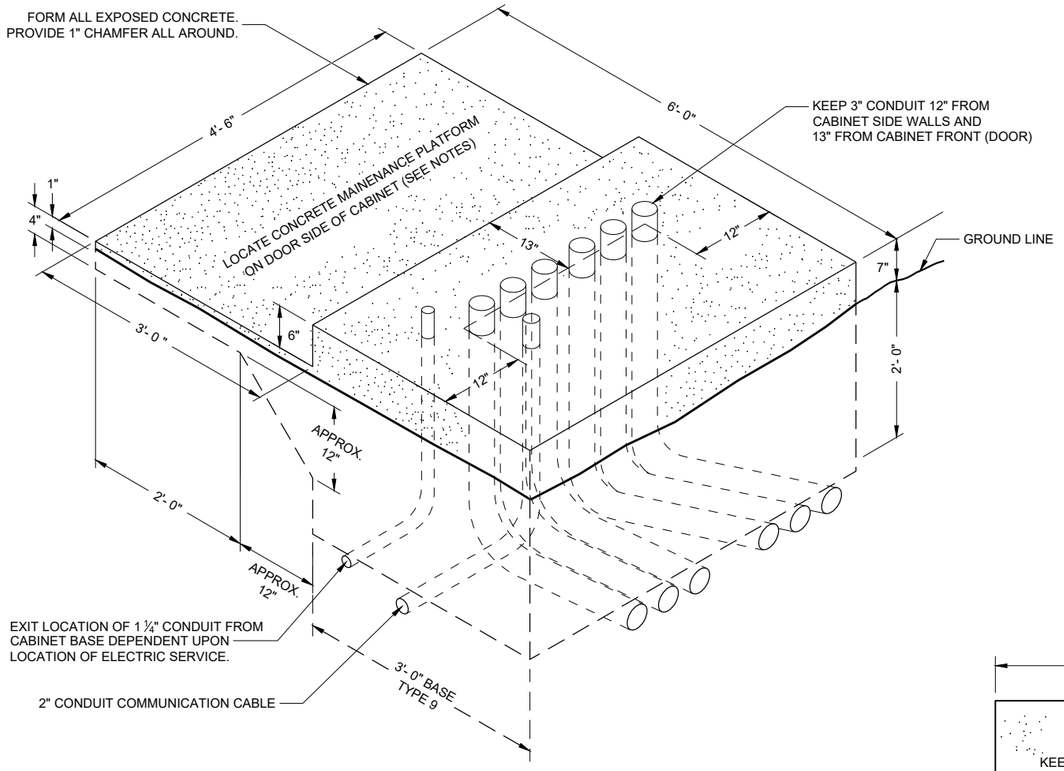
S.D.D. 9 C 3-4

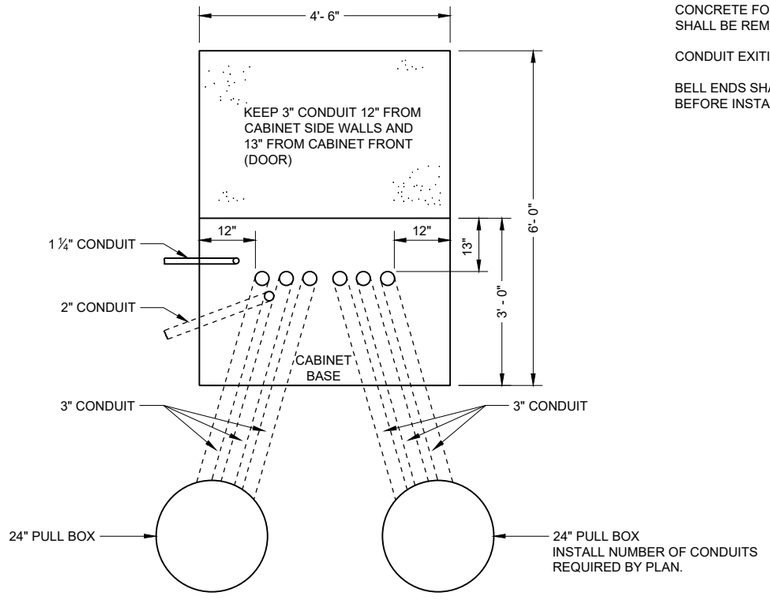
SDD 09C06 Concrete Control Cabinet Base, Type 9, Special



ISOMETRIC VIEW

TYPE 9 SPECIAL

(C.Y. CONCRETE = APPROX. 1.56)



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE 9 SPECIAL

GENERAL NOTES

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

INSTALL FOUR INCH MINIMUM DIAMETER X 4 INCH MINIMUM LENGTH STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS WITH A PULLOUT STRENGTH OF 9,000 LBS. TO ANCHOR THE CABINET TO TYPE 6, 7, 8, AND 9 BASES. THE ANCHOR STUDS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NON - METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U. L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT EQUALS 6 TIMES THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NON - METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON - METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCHES MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

CONDUIT EXITING THE CONCRETE BASE (SIX 3") SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE CONTROL CABINET BASE TYPE 9, SPECIAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2014
DATE

/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI 251

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SDD 09C06 - 07

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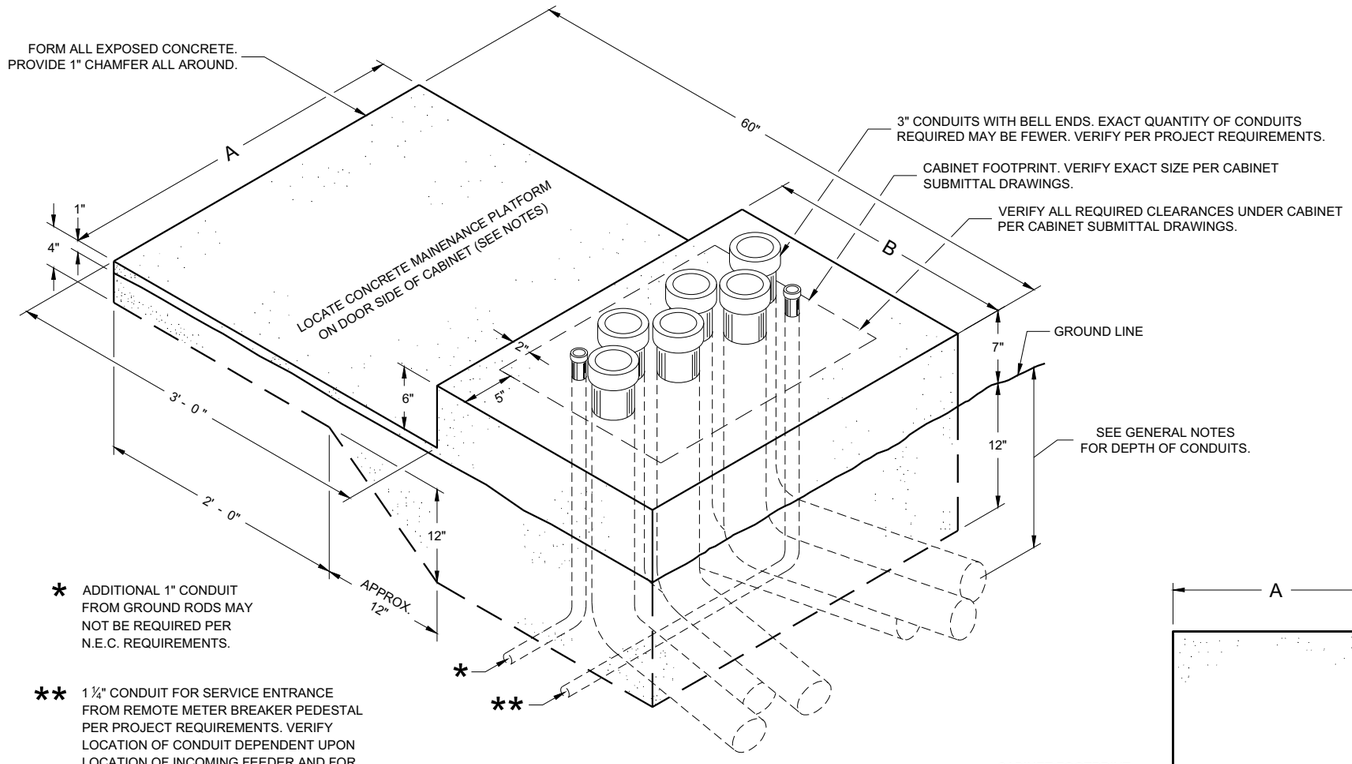


* ADDITIONAL 1" CONDUIT FROM GROUND RODS MAY NOT BE REQUIRED PER N.E.C. REQUIREMENTS.

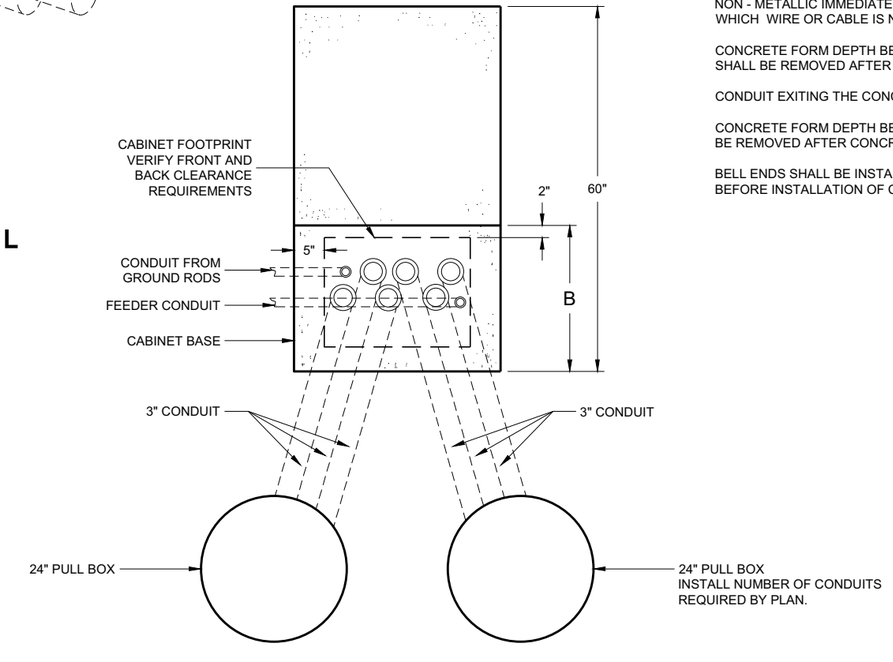
** 1 ¼" CONDUIT FOR SERVICE ENTRANCE FROM REMOTE METER BREAKER PEDESTAL PER PROJECT REQUIREMENTS. VERIFY LOCATION OF CONDUIT DEPENDENT UPON LOCATION OF INCOMING FEEDER AND FOR EASE OF CONNECTION TO LOAD CENTER.

ISOMETRIC VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

(C.Y. CONCRETE = APPROX. 0.4)

CONCRETE BASE TYPE	CABINET WIDTH	DIMENSIONS		MAXIMUM 3" CONDUITS
		A	B	
L24	24"	34"	24"	4
L30	30"	40"	24"	6



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

GENERAL NOTES

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

INSTALL FOUR STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS TO ANCHOR THE CABINET BASES. THE ANCHORS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NON - METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U. L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

LOCATIONS SHALL BE AS SHOWN ON THE PLANS UNLESS DETERMINED BY THE ENGINEER IN THE FIELD.

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT EQUALS 6 TIMES THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NON - METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON - METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCHES MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

CONDUIT EXITING THE CONCRETE BASE SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCH MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE CONTROL CABINET BASE, TYPE L

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 252

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SDD 09C14 - 03

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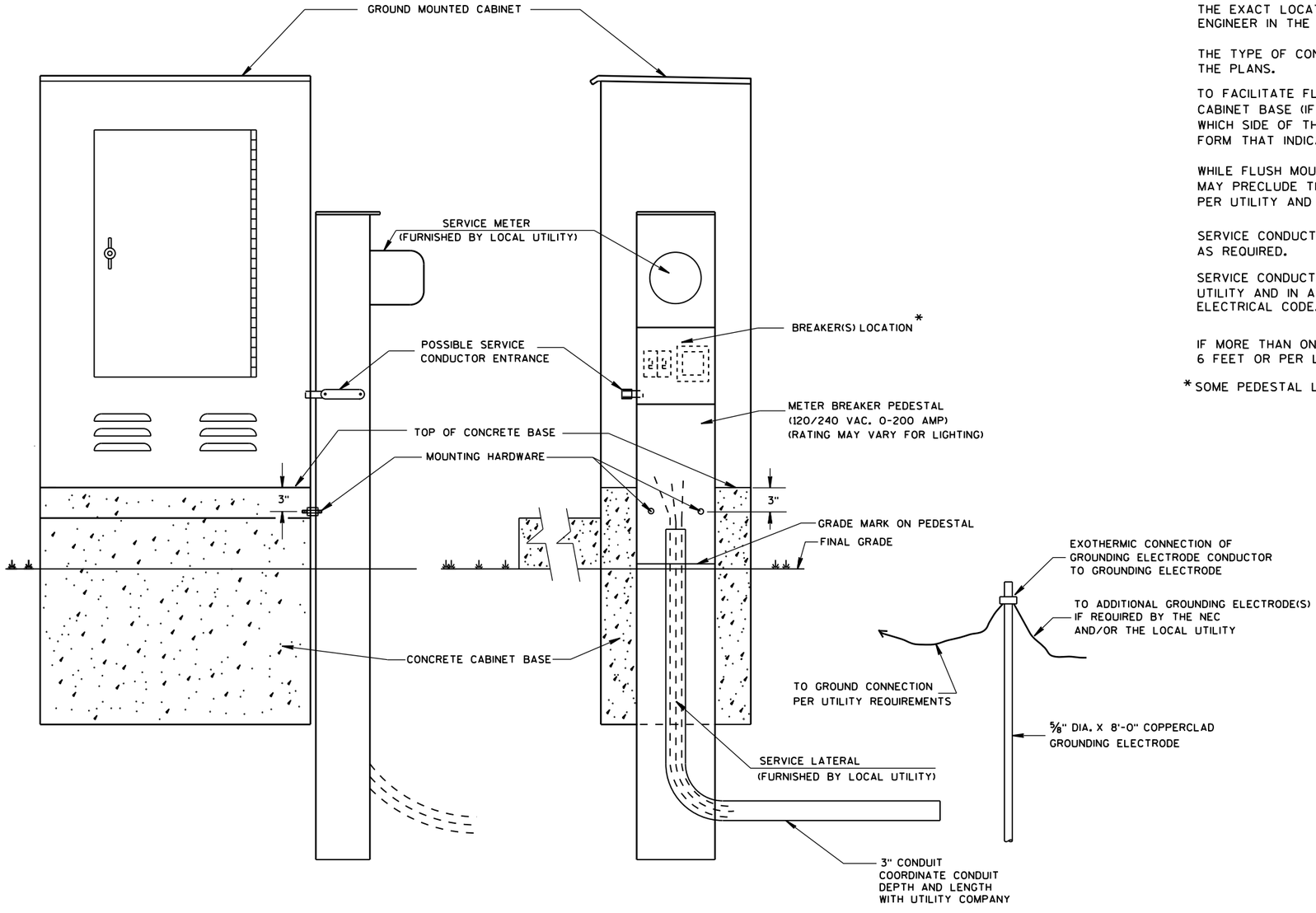

TYPICAL CABINET SERVICE INSTALLATION

GENERAL NOTES

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

THE EXACT LOCATION OF THE METER BREAKER PEDESTAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE TYPE OF CONCRETE CABINET BASE TO BE INSTALLED SHALL BE AS CALLED FOR IN THE PLANS.

TO FACILITATE FLUSH MOUNTING OF THE METER BREAKER PEDESTAL AGAINST THE SIDE OF THE CABINET BASE (IF FLUSH MOUNTING POSSIBLE. CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN FORM THAT INDICATED SIDE FOR FULL SIDE DEPTH.

WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENTS MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL PER UTILITY AND MANUFACTURERS REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT, NIPPLES AND/OR CONDULETS AS REQUIRED.

SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

IF MORE THAN ONE GROUNDING ELECTRODE IS REQUIRED, THE DISTANCE APART SHALL BE 6 FEET OR PER LOCAL UTILITY REGULATIONS.

*SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.

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S.D.D. 9 D 1-5

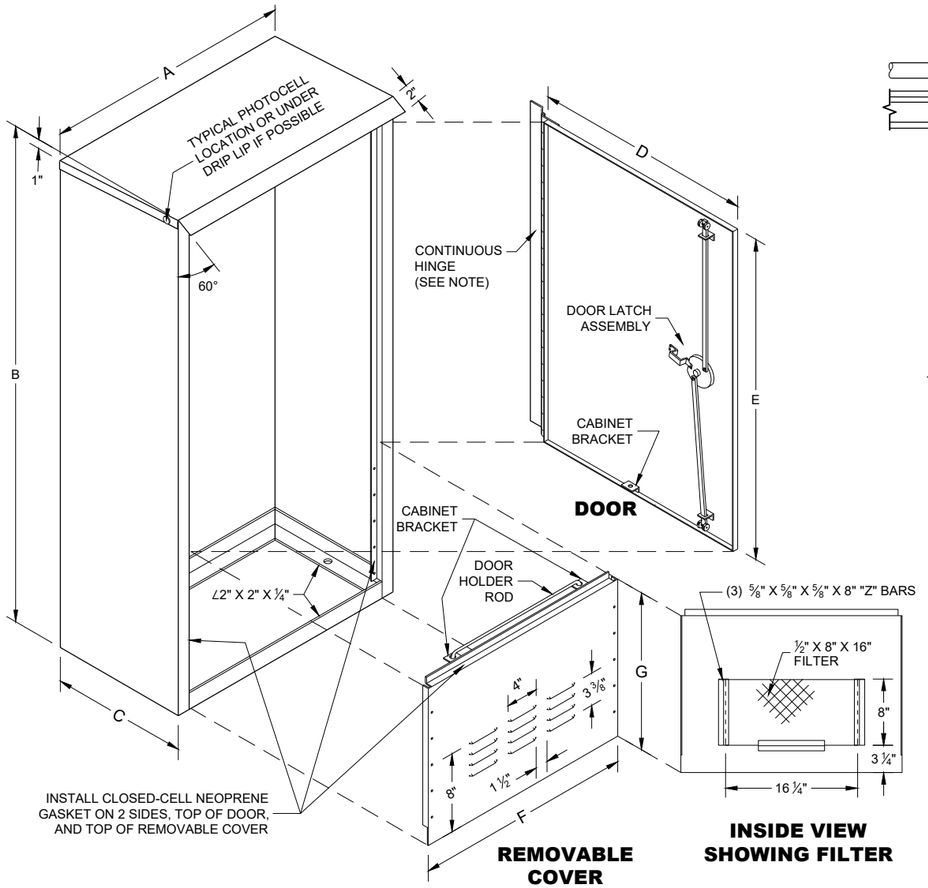
CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL

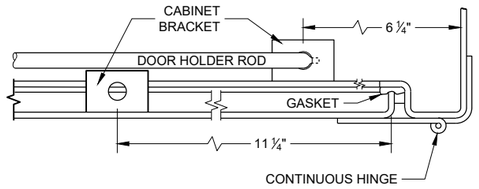
FHWA



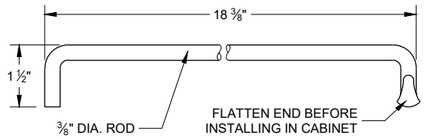
DOOR

REMOVABLE COVER

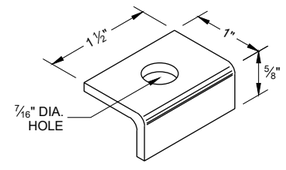
INSIDE VIEW SHOWING FILTER



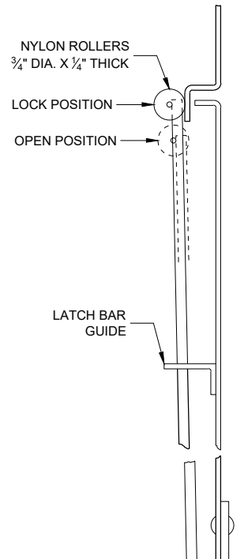
HINGE AND DOOR HOLDER

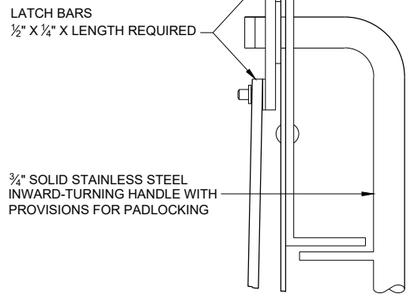


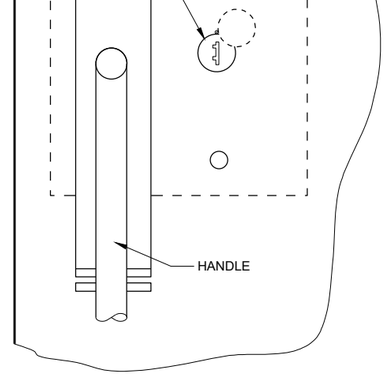
HOLDER ROD



CABINET BRACKET







SIDE VIEW **FRONT VIEW**

LATCH ASSEMBLY

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.

PRIME WITH PHOSPHATE TREATMENT AND PRIMER.

FINISH EXTERIOR SURFACES WITH RUSTOLEUM #906 SILVER GRAY OR APPROVED EQUAL.

FINISH INTERIOR WITH RUSTOLEUM #2766 HIGH GLOSS WHITE ENAMEL OR APPROVED EQUAL.

ALL SHEET METAL PARTS SHALL BE .125 INCH THICK ALUMINUM.

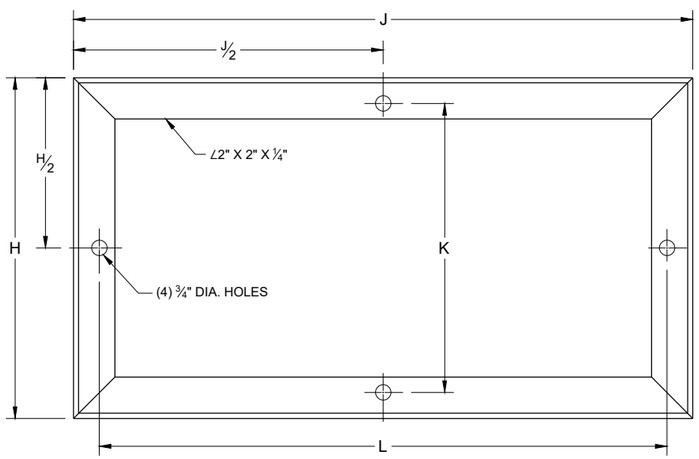
ALL SEAMS SHALL BE CONTINUOUSLY WELDED.

ALUMINUM SHALL BE TYPE 5052-H32.

CONTINUOUS HINGE SHALL BE HEAVY GAUGE ALUMINUM WITH ¼" DIAMETER STAINLESS STEEL HINGE PIN. HINGE IS SECURED WITH ¼" X 20 TPI STAINLESS STEEL CARRIAGE BOLTS AND STAINLESS STEEL NYLOCK NUTS.

A SINGLE PHOTOCELL SHALL BE LOCATED ON THE NORTH - NORTHEAST SIDE OF THE CABINET UNLESS OTHERWISE CALLED FOR IN THE SPECIAL PROVISIONS. THE PHOTOCELL SHALL BE PLACED AS SHOWN AND SHALL BE LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST.

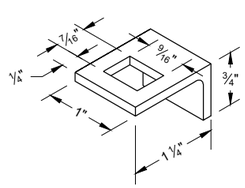
DOOR LATCH ASSEMBLY TO BE PROVIDED WITH THREE-POINT LOCKING MECHANISM.



MOUNTING BASE

TABLE OF DIMENSIONS (INCHES)

MARK	CABINET TYPE		
	3060	3860	3866
A	30	38	38
B	60	60	66
C	16 ½	16 ½	24
D	26 ½	34 ¾	33 ¾
E	38 ¾	38 ¾	38 ¾
F	26 ½	34 ¾	33 ¾
G	19	19	25
H	16 ½	16 ½	24
H/2	8 ¼	8 ¼	12
J	30	38	38
J/2	15	19	19
K	13 ¾	13 ¾	21 ¼
L	27 ½	35 ½	35 ½



LATCH BAR GUIDE

SIGNAL CONTROL CABINET

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2014
DATE

/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI 254

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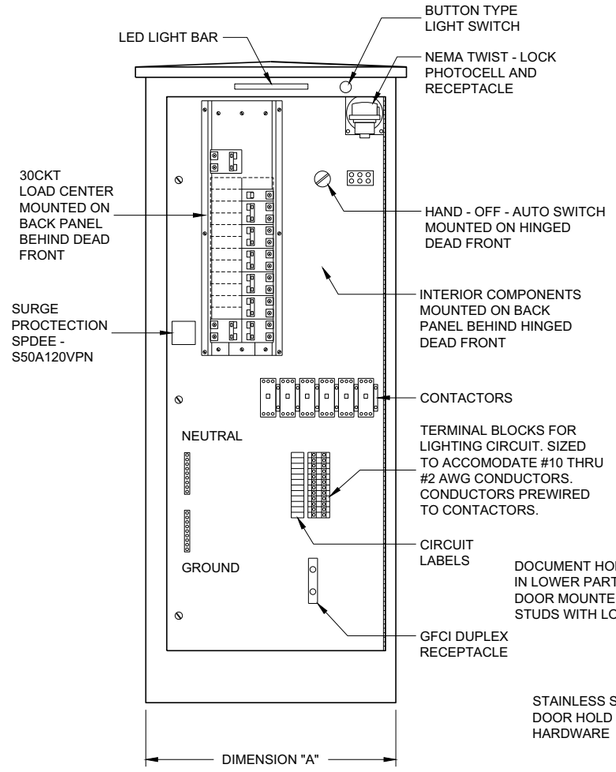
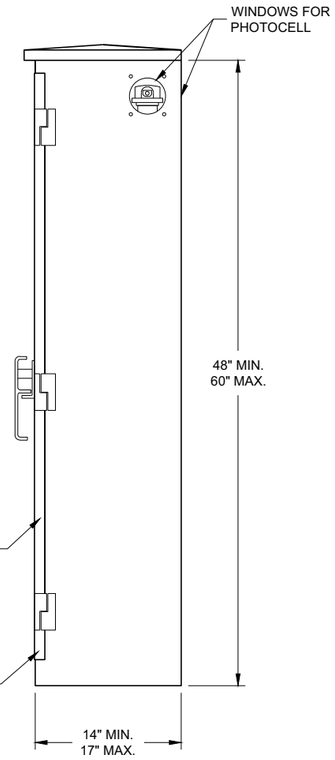
FRONT INTERIOR ELEVATION



SIDE VIEW



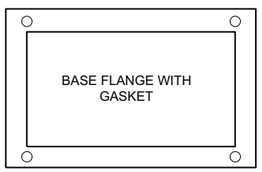
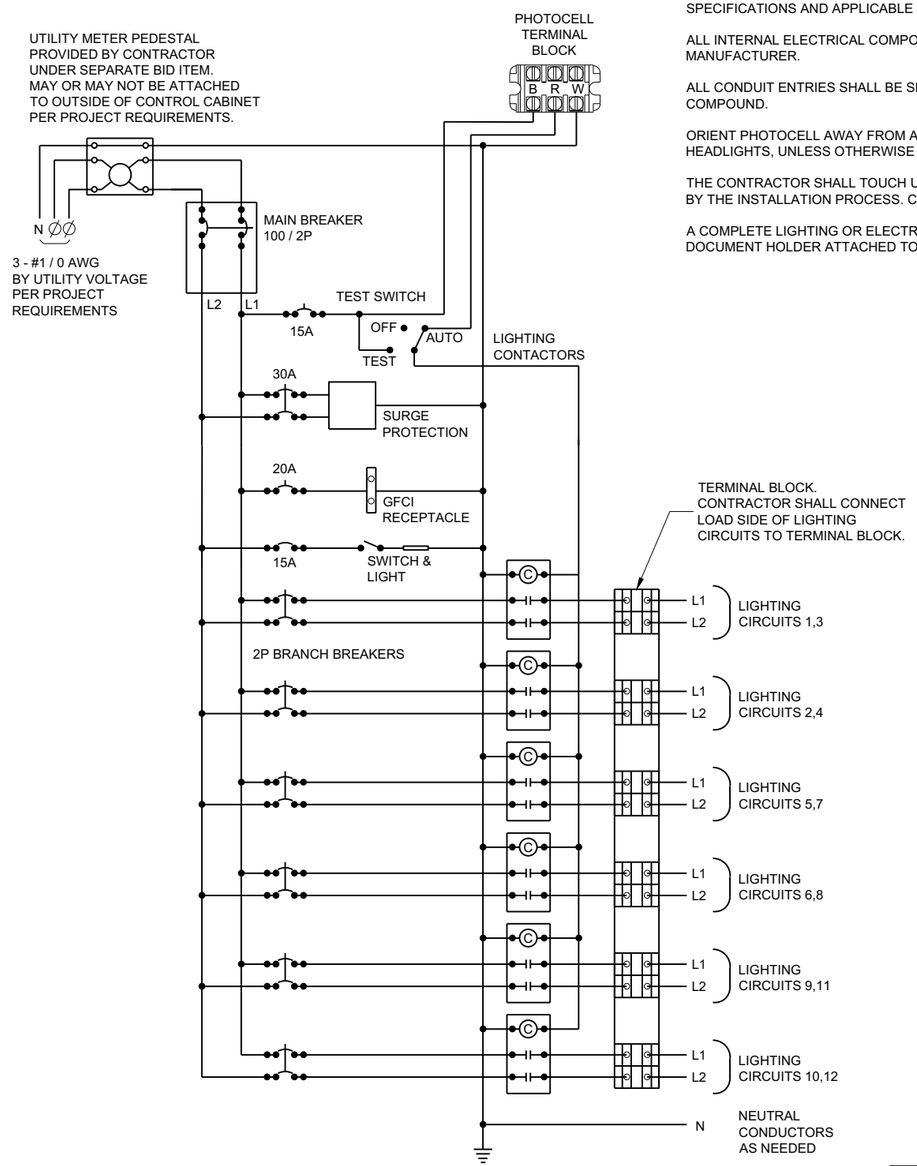


TABLE OF DIMENSIONS (INCHES)		
CONCRETE BASE TYPE	CABINET WIDTH	DIMENSION "A"
L24	24"	24"
L30	30"	30"

LIGHTING CONTROL CABINET



CONTROL CABINET SCHEMATIC

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.

ALL INTERNAL ELECTRICAL COMPONENTS WILL BE PRE - WIRED BY THE CABINENT MANUFACTURER.

ALL CONDUIT ENTRIES SHALL BE SEALED WITH AN APPROPRIATE DUCT SEALING COMPOUND.

ORIENT PHOTOCELL AWAY FROM AMBIENT LIGHT SOURCES AND ONCOMING TRAFFIC HEADLIGHTS, UNLESS OTHERWISE CALLED FOR IN THE SPECIAL PROVISION.

THE CONTRACTOR SHALL TOUCH UP ANY DAMAGE TO THE ANODIZED FINISH CAUSED BY THE INSTALLATION PROCESS. COLOR MATCH PAINT SHALL BE USED.

A COMPLETE LIGHTING OR ELECTRICAL PLAN SHALL BE SECURELY PLACED IN THE DOCUMENT HOLDER ATTACHED TO THE DOOR.

LIGHTING CONTROL CABINET
120 / 240 VOLT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 255

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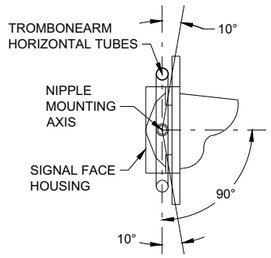
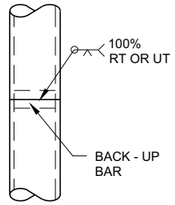


SECTION A-A

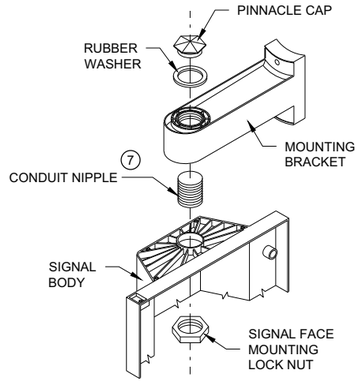
(10 DEGREES TILT REQUIREMENT OF FACE(S) IN THE TROMBONE MOUNTING)

FOR MANUFACTURERS USE ONLY

WELD TO BE 100% R.T. OR U.T. TESTED AS PER THE REQUIREMENTS OF AWS D 1.5-88. RECORDS OF COMPLIANCE OF SUCH TESTING SHALL BE FURNISHED TO THE OFFICE OF DESIGN / BRIDGE FOR VERIFICATION AND APPROVAL.



POLE SPLICE DETAIL



SIGNAL FACE MOUNTING DETAIL

(BANDED)

GENERAL NOTES

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

POLES SHALL BE EITHER ALUMINUM OR GALVANIZED STEEL AS CALLED FOR IN THE CONTRACT.

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

A PULL WIRE / ROPE SHALL BE INSTALLED IN EACH TROMBONE ARM RACEWAY DURING THE MANUFACTURING PROCESS.

TYPE 2 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063 - T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE AND COVER ASSEMBLY WITH TWO (2) ¼" X ¾" - 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.

(2) SIGNAL FACE MOUNTING BRACKETS. MOUNT WITH CAP SCREWS AND BANDING.

(3) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(4) SECURELY MOUNT DULL BLACK POLYCARBONATE BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING,PER MANUFACTURER'S RECOMMENDATIONS.

(5) POLE MOUNTED SIGNAL FACES SHALL REQUIRE ONE OR MORE MOUNTING SPACERS UNDER THE TOP MOUNTING BRACKET(S) ASREQUIRED, TO PLUMB THE SIGNAL FACES.

(6) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

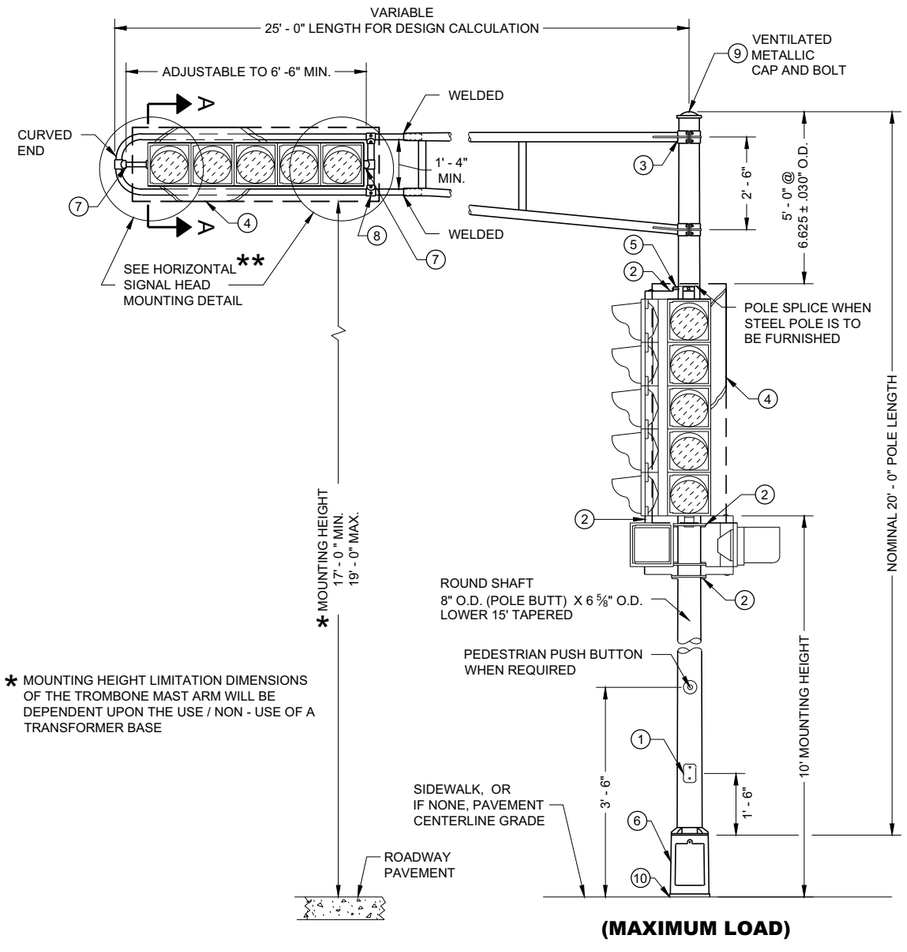
(7) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOTINTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACES AND BRACKET ENDS.

(8) VERTICAL STRUT (ADJUSTABLE). ONE (1) SET SCREW (¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD) INTO EACH ARM MEMBER IF STRUTIS THE SLIDING TYPE.

(9) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

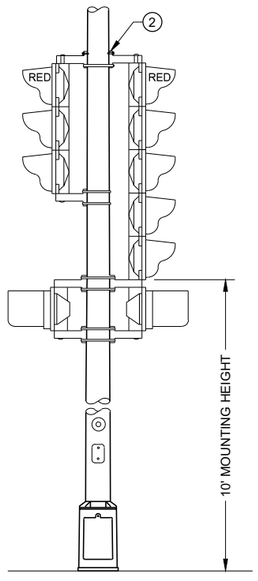
(10) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND THE TRANSFORMER BASE.

(11) USE SERRATED LOCK WASHERS WITH NOTCHES BETWEEN END TEE AND SIGNAL HEAD.

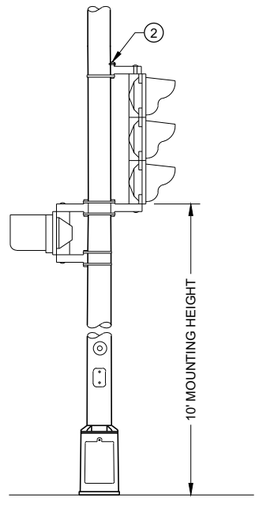


* MOUNTING HEIGHT LIMITATION DIMENSIONS OF THE TROMBONE MAST ARM WILL BE DEPENDENT UPON THE USE / NON - USE OF A TRANSFORMER BASE

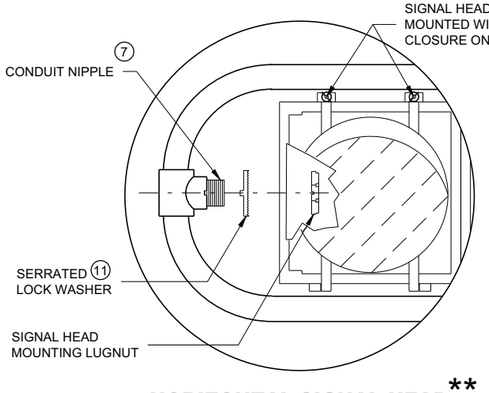
(MAXIMUM LOAD)



TYPICAL MOUNTING OF BACK TO BACK 3 AND 5 SECTION SIGNAL FACES



TYPICAL MOUNTING OF 3 SECTION SIGNAL FACE



HORIZONTAL SIGNAL HEAD MOUNTING DETAIL **

** SIGNAL HEAD ATTACHMENT ALSO APPLIES TO MOUNTING AT CROSS BAR

TYPE 2 POLE MOUNTING CONFIGURATION

POLE MOUNTINGS FOR TRAFFIC SIGNALS TYPE 2

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA

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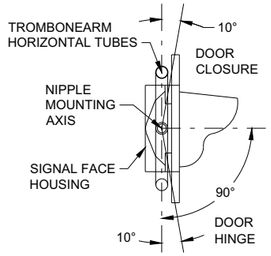
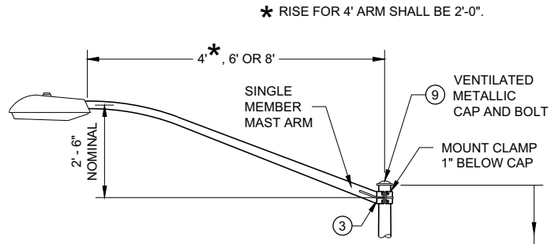
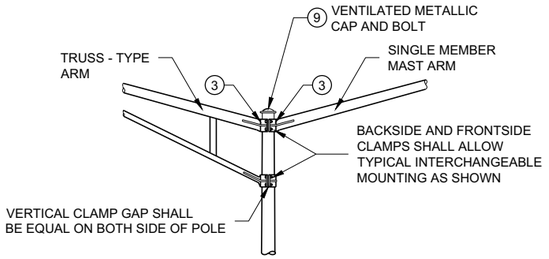
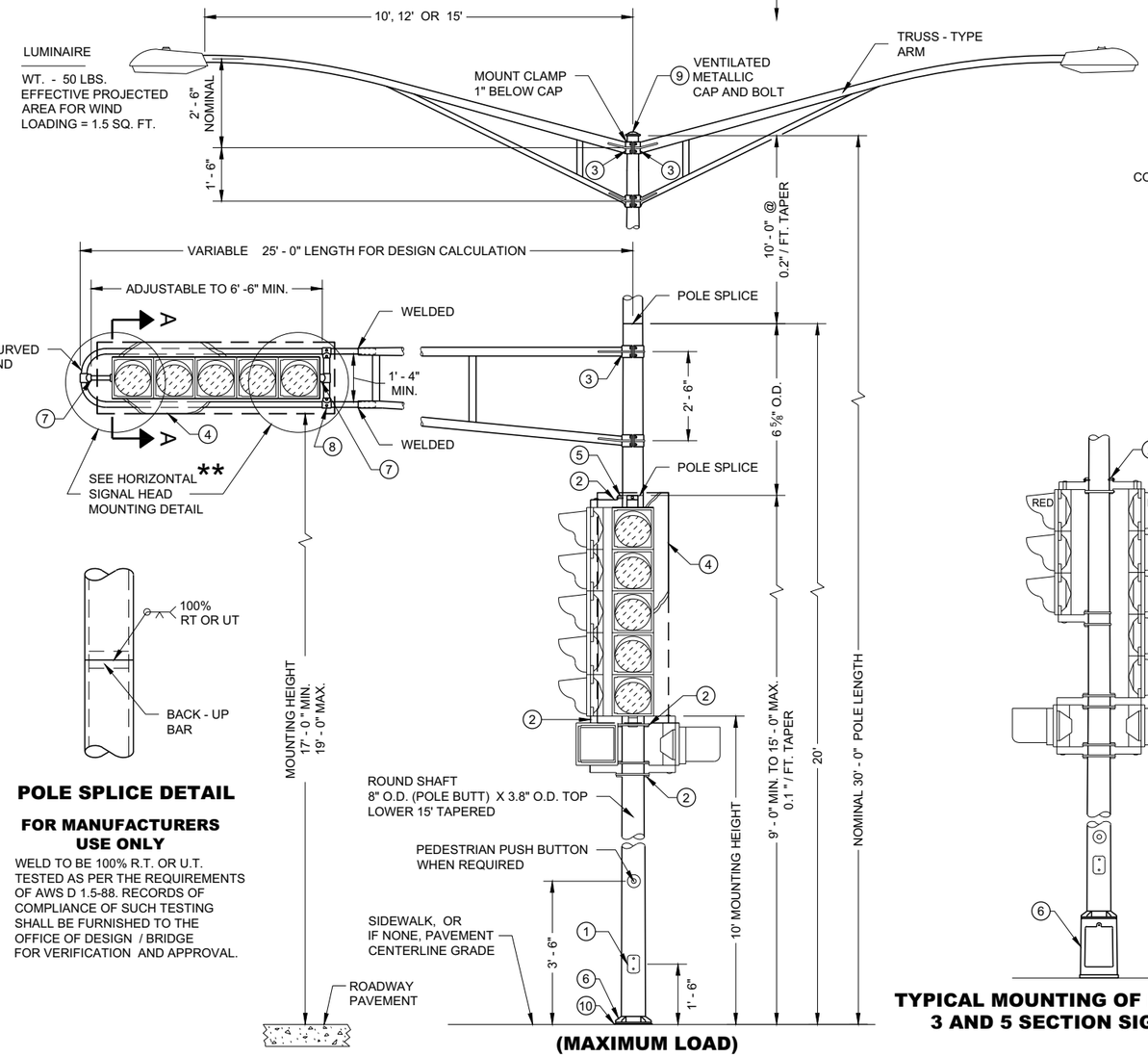


SECTION A-A





INTERCHANGEABLE MOUNTING DETAIL

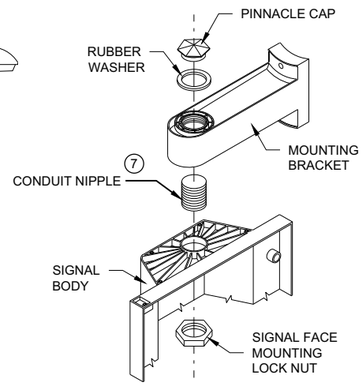


POLE SPLICE DETAIL

FOR MANUFACTURERS USE ONLY

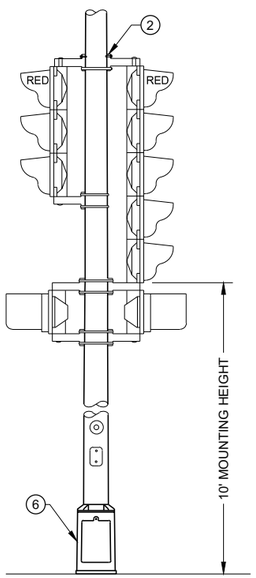
WELD TO BE 100% R.T. OR U.T. TESTED AS PER THE REQUIREMENTS OF AWS D 1.5-88. RECORDS OF COMPLIANCE OF SUCH TESTING SHALL BE FURNISHED TO THE OFFICE OF DESIGN / BRIDGE FOR VERIFICATION AND APPROVAL.

(MAXIMUM LOAD)

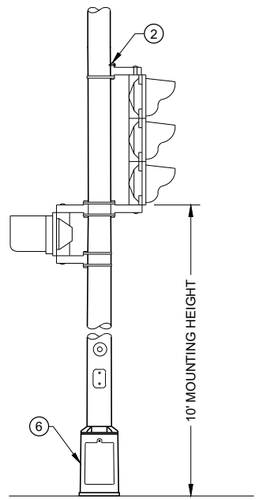


SIGNAL FACE MOUNTING DETAIL

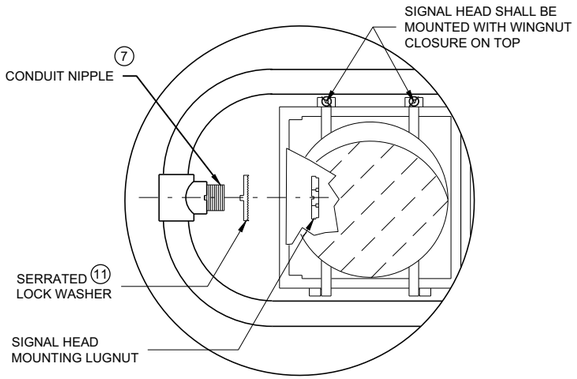
(BANDED)



TYPICAL MOUNTING OF BACK TO BACK 3 AND 5 SECTION SIGNAL FACES



TYPICAL MOUNTING OF 3 SECTION SIGNAL FACE



HORIZONTAL SIGNAL HEAD ** MOUNTING DETAIL

** SIGNAL HEAD ATTACHMENT ALSO APPLIES TO MOUNTING AT CROSS BAR

GENERAL NOTES

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

ALL TYPE 3 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL.

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

A PULL WIRE / ROPE SHALL BE INSTALLED IN EACH TROMBONE ARM RACEWAY DURING THE MANUFACTURING PROCESS.

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2 3/8 INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE AND COVER ASSEMBLY WITH TWO (2) ¼" X ¾" - 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.

(2) SIGNAL FACE MOUNTING BRACKETS. MOUNT WITH CAP SCREWS AND BANDING.

(3) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 3/8" HOLE IN POLE SHAFT FOR WIRING.

(4) SECURELY MOUNT DULL BLACK POLYCARBONATE BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURER'S RECOMMENDATIONS.

(5) POLE MOUNTED SIGNAL FACES SHALL REQUIRE ONE OR MORE MOUNTING SPACERS UNDER THE TOP MOUNTING BRACKET(S) AS REQUIRED, TO PLUMB THE SIGNAL FACE.

(6) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED. UNDER MAX LOADING, TYPE 3 POLE SHALL BE MOUNTED DIRECTLY TO ITS CONCRETE BASE.

(7) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACES AND BRACKET ENDS.

(8) VERTICAL STRUT (ADJUSTABLE). ONE (1) SET SCREW (¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD) INTO EACH ARM MEMBER IF STRUT IS THE SLIDING TYPE.

(9) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(10) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

(11) USE SERRATED LOCK WASHERS WITH NOTCHES BETWEEN END TEE AND SIGNAL HEAD.

TYPE 3 POLE MOUNTING CONFIGURATION

POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS TYPE 3 (HEAVY DUTY)

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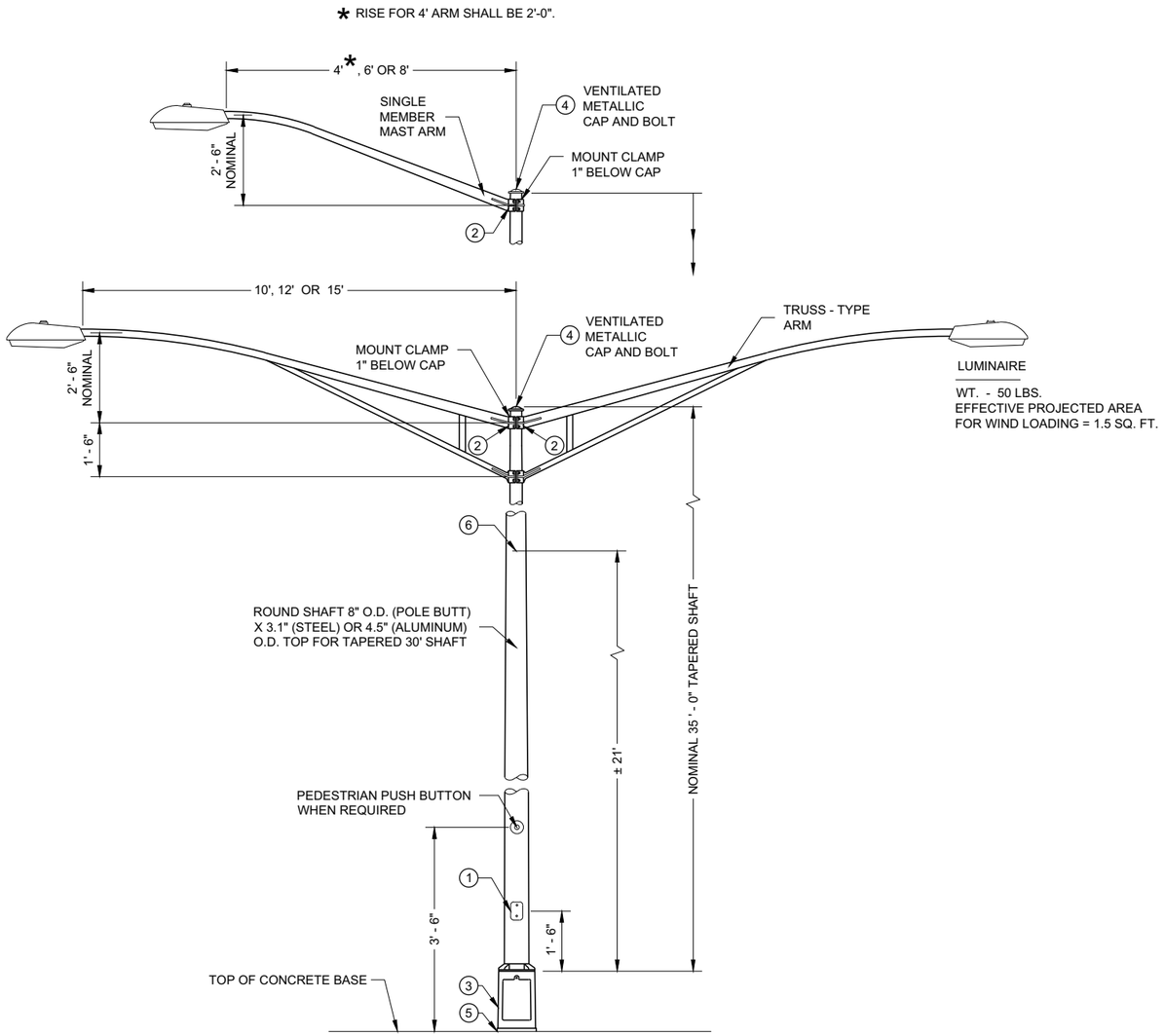


TYPE 6 POLE MOUNTING CONFIGURATION
(MAXIMUM LOAD)
LIGHTING ONLY

GENERAL NOTES

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

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

ALL TYPE 6 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL OR ALUMINUM, AS CALLED FOR IN THE CONTRACT.

TYPE 6 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063 - T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

TYPE 6 ALUMINUM POLES SHALL HAVE A MINIMUM WALL THICKNESS OF 0.219".

TYPE 6 STEEL POLES SHALL HAVE A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (0.1196").

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2 ⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE AND COVER ASSEMBLY WITH TWO (2) ¼" X ¾" - 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.

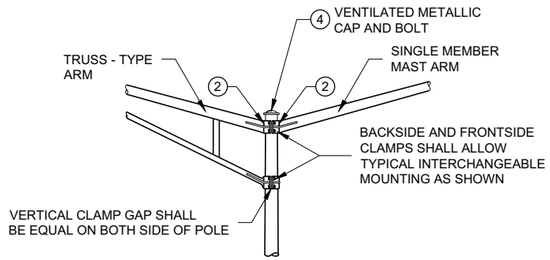
(2) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(3) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

(4) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(5) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

(6) INTERNAL DUMBBELL - TYPE VIBRATION DAMPER.



INTERCHANGEABLE MOUNTING DETAIL

POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 6 (35 FEET)

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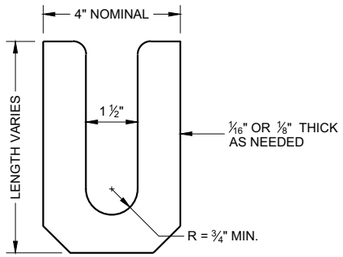
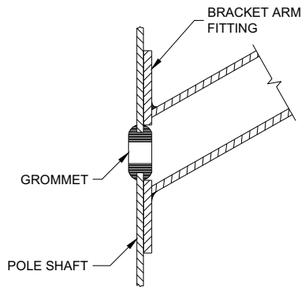
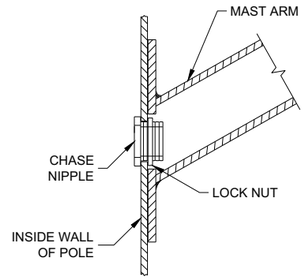


LEVELING SHIM (1)
SHALL BE ALUMINUM



TYPICAL APPLICATION OF GROMMET IN POLE SHAFT



TYPICAL APPLICATION OF CHASE NIPPLE IN POLE SHAFT

GENERAL NOTES

CLAMP BOLT-NUT TIGHTENING TORQUE SHALL BE INDICATED BY INDENT STAMPING (1/2 INCH NUMERALS AND LETTERS) OR WEATHERPROOF PRINTING ON THE INSIDE OF THE CLAMP THAT IS WELDED TO THE ARM MEMBER.

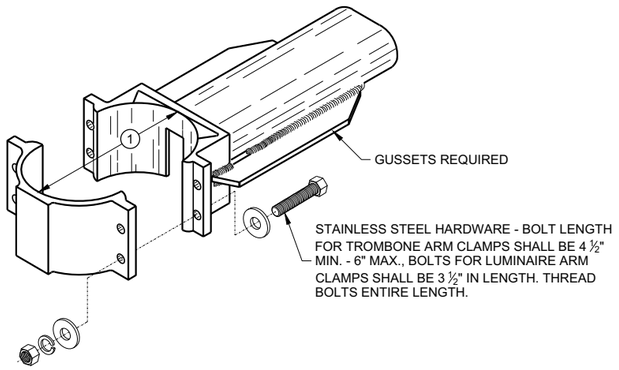
(1) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP. 6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(2) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

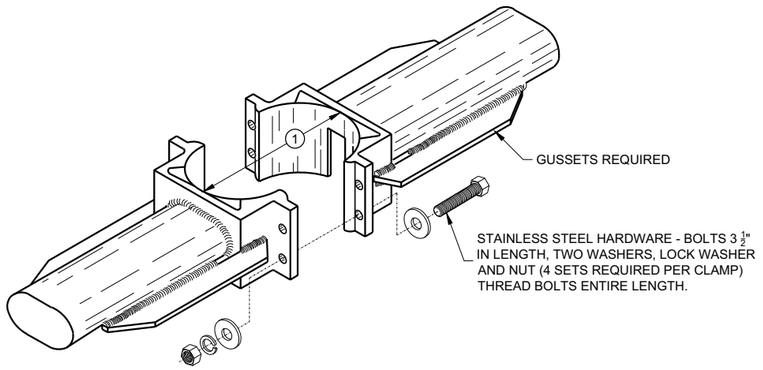
(3) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(4) LEVELING SHIMS, DESIGNED FOR THE PURPOSE, SHALL BE USED WHEN PLUMBING POLES. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE. LEVELING SHIMS SHALL BE USED ONLY BETWEEN THE TOP OF THE CONCRETE BASE AND A METALLIC BASE PLATE.

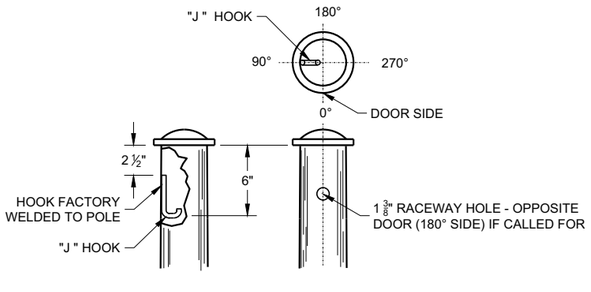
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



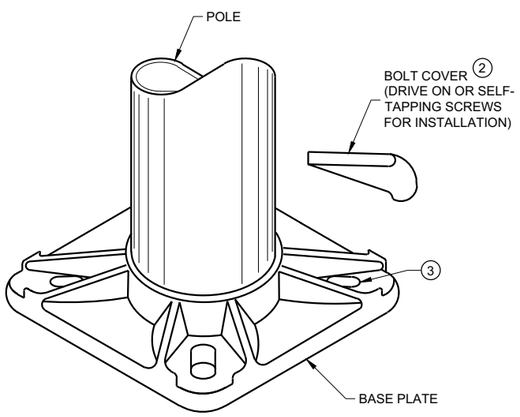
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



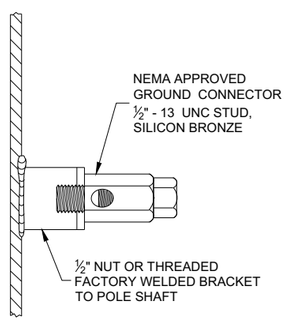
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

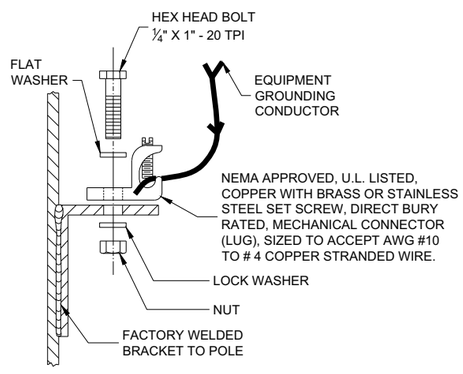


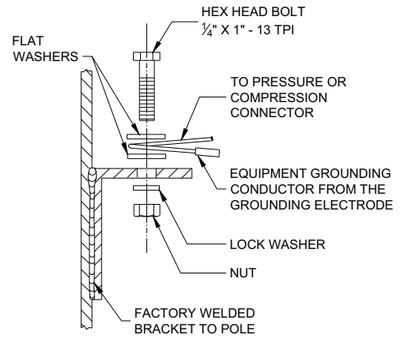
TYPICAL "J" HOOK LOCATION



BASE PLATE







TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

HARDWARE DETAILS FOR POLE MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 259

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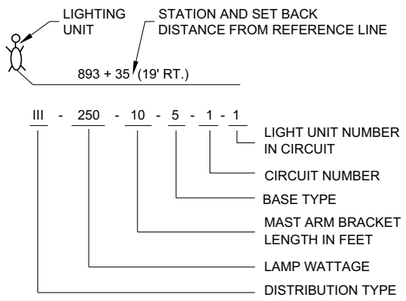
GENERAL NOTES

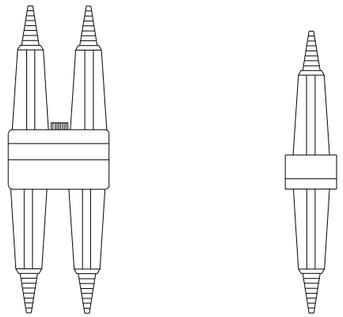
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EQUIPMENT GROUND CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.

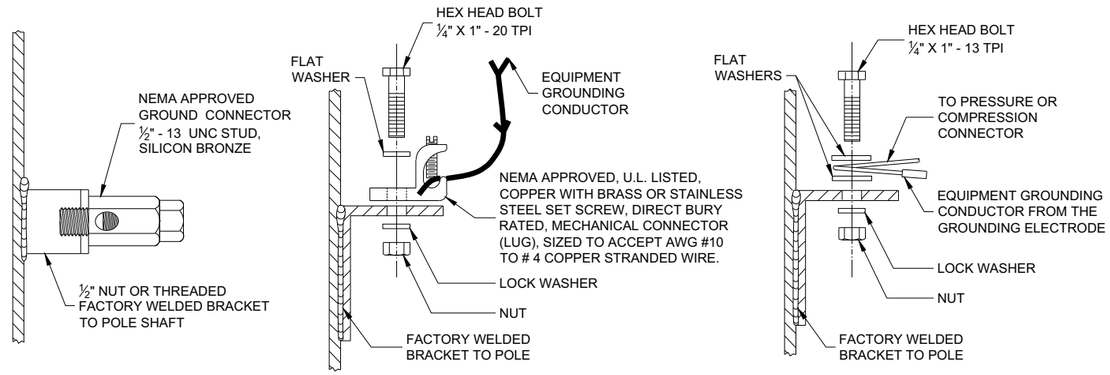


LIGHTING UNIT CODE
(TYPICAL)

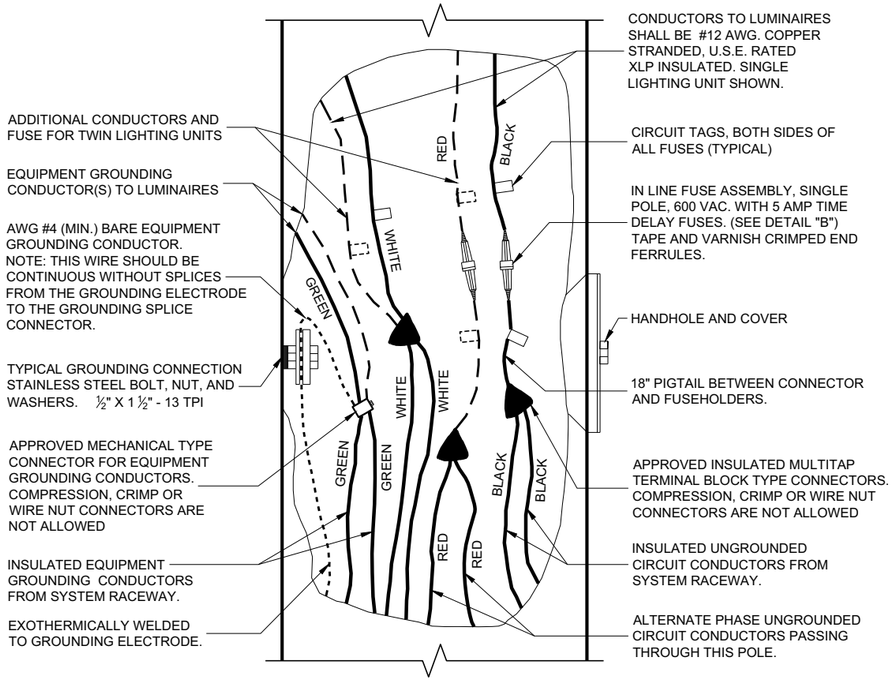


DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT

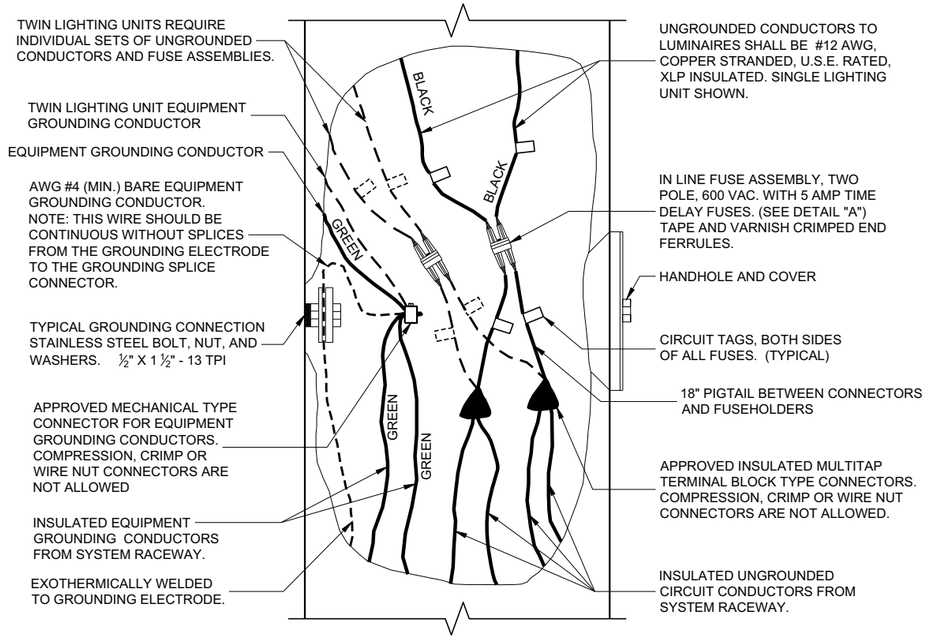
DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT



TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



3 WIRE - 120, 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH GROUNDING CONDUCTOR AND EQUIPMENT GROUNDING CONDUCTOR



2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR

NON - FREEWAY LIGHTING UNIT POLE WIRING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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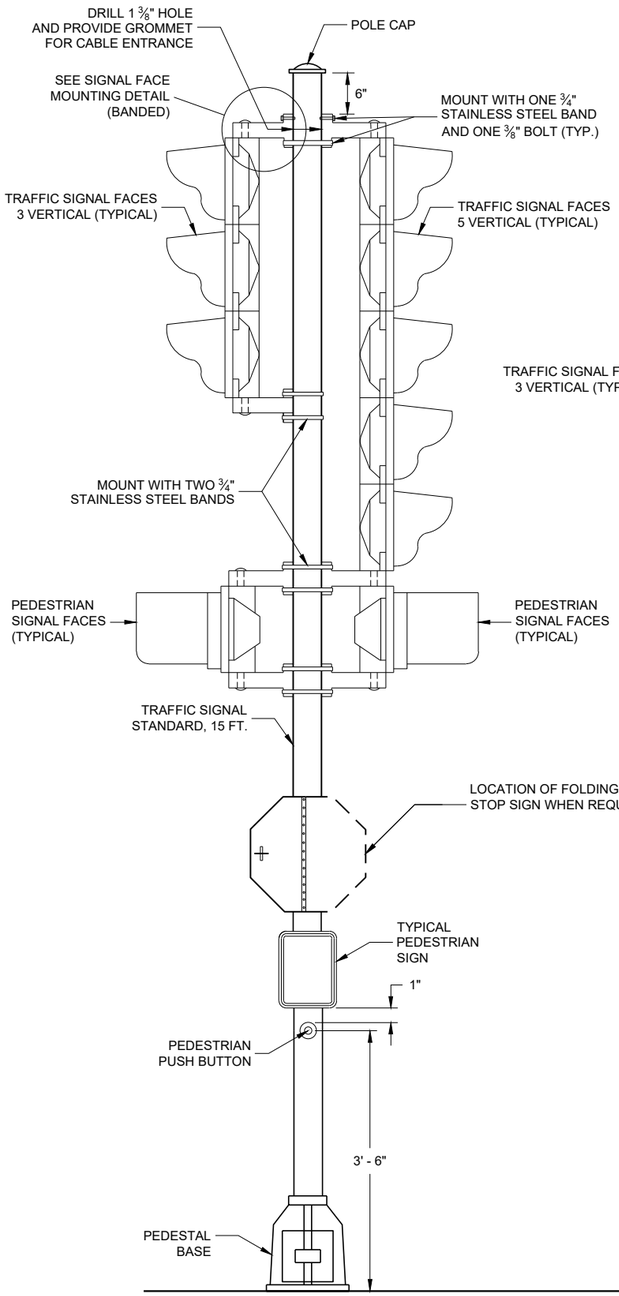
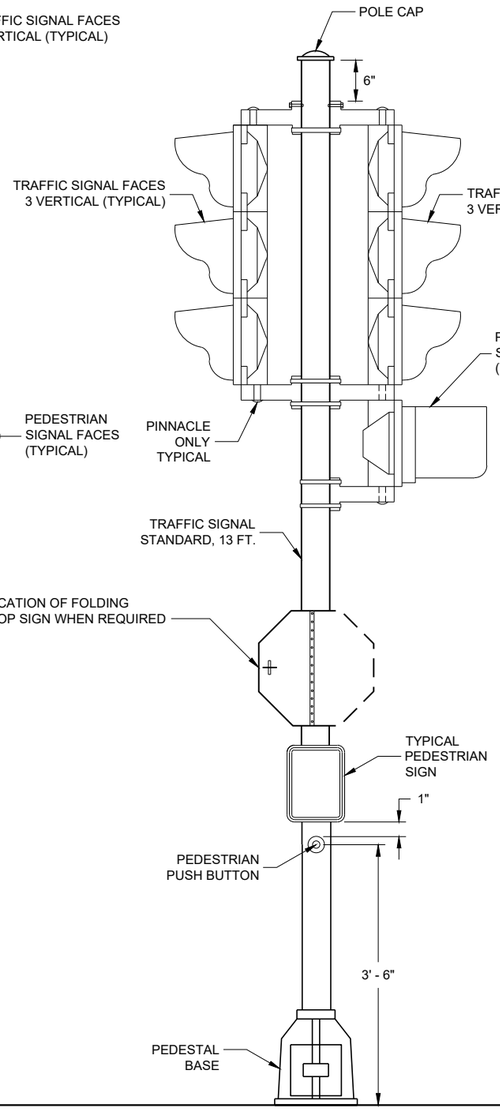
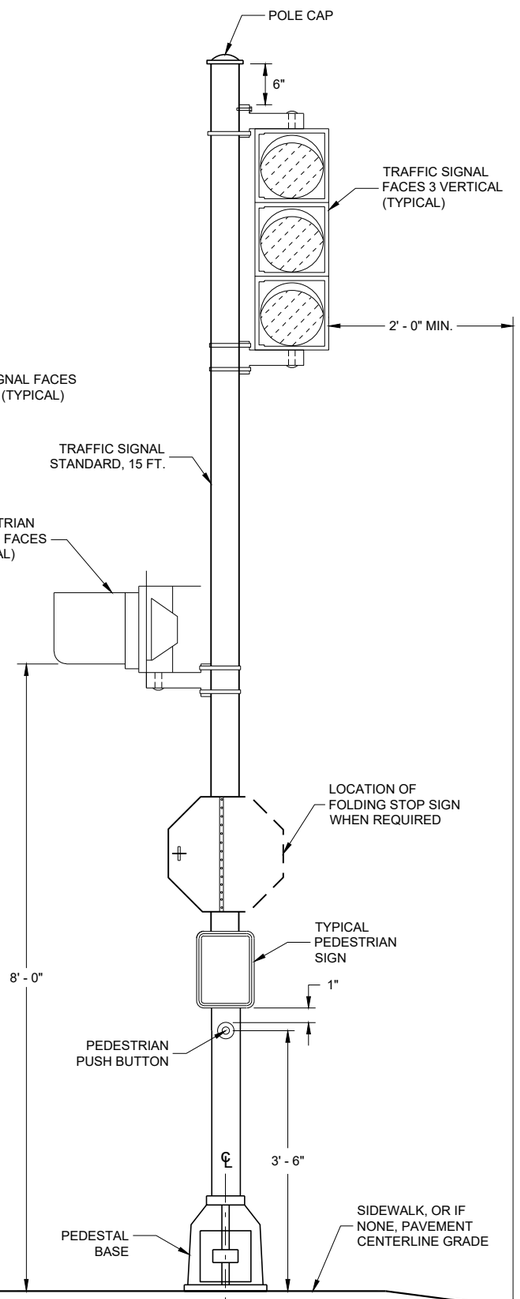


TRAFFIC SIGNAL STANDARD - 15 FT.



TRAFFIC SIGNAL STANDARD - 13 FT.



TRAFFIC SIGNAL TANDARD - 15 FT.
3M MOUNTING (TYPICAL)

GENERAL NOTES

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

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIAL PROVISIONS.

POLYCARBONATE MOUNTING BRACKETS SHALL BE USED.

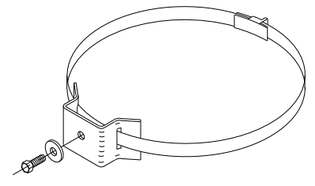
LENGTH AND LOCATION OF TRAFFIC SIGNAL STANDARDS SHALL BE AS SHOWN ON THE PLANS.

OPTICALLY PROGRAMMED SIGNAL FACES SHALL BE MASKED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS, AND UNDER THE DIRECTIONS OF THE REGION TRAFFIC ENGINEER.

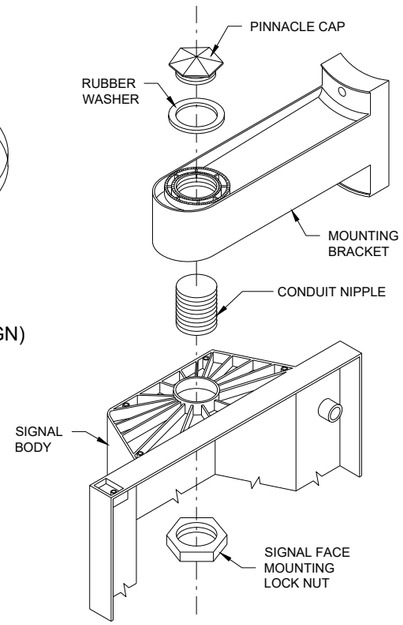
FOLDING STOP SIGNS SHALL BE IN ACCORDANCE WITH THE MUTCD AND/OR THE LATEST WISCONSIN SUPPLEMENT. THE SIGNS SHALL BE SIZED AND LOCATED AS CALLED FOR IN IN THE PLANS.

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) 1/4" X 3/4" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.



TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



SIGNAL FACE MOUNTING DETAIL (BANDED)

TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.

STATE OF WISCONSIN
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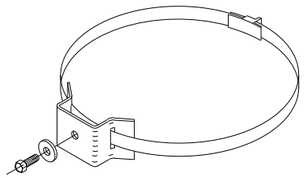
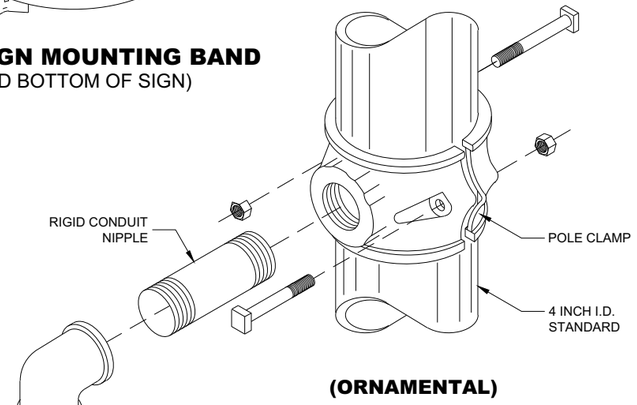
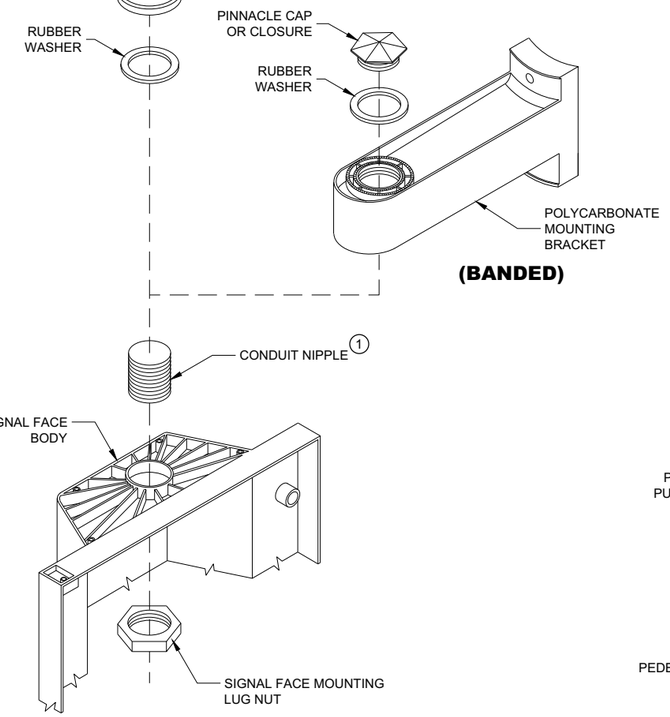


TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)

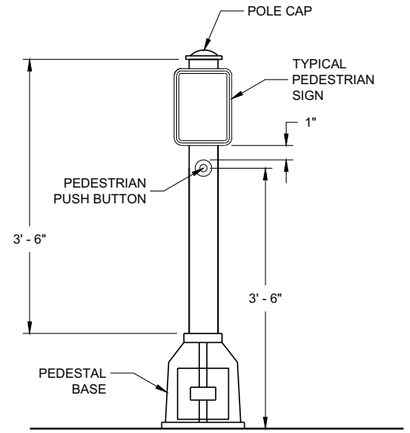


(ORNAMENTAL)



(BANDED)

SIGNAL FACE MOUNTING DETAILS



PEDESTRIAN PUSH BUTTON TYPICAL MOUNTING

GENERAL NOTES

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

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

LOCATIONS SHALL BE AS SHOWN ON THE PLANS, UNLESS APPROVED BY THE ENGINEER IN THE FIELD.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIFICATIONS.

POLYCARBONATE SIGNAL FACE MOUNTING BRACKETS SHALL BE USED UNLESS ORNAMENTAL POLE CLAMPS ARE SPECIFIED.

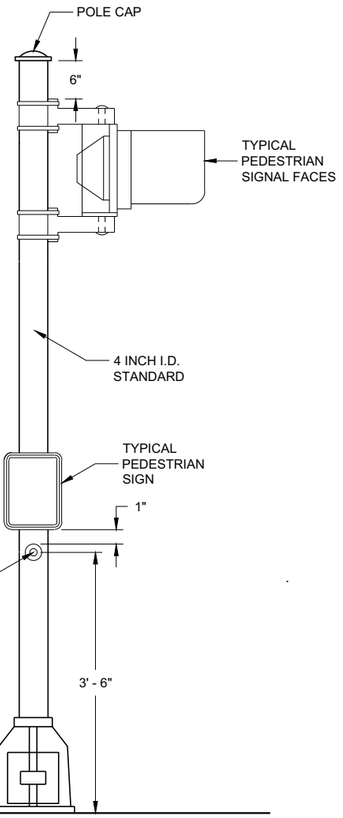
LENGTH OF TRAFFIC STANDARDS SHALL BE AS SHOWN ON THE PLANS.

MOUNTINGS AND BRACKETS SHALL BE AS SHOWN ON THE PLANS OR DESCRIBED IN THE SPECIAL PROVISIONS (BY THE REGION TRAFFIC ENGINEER).

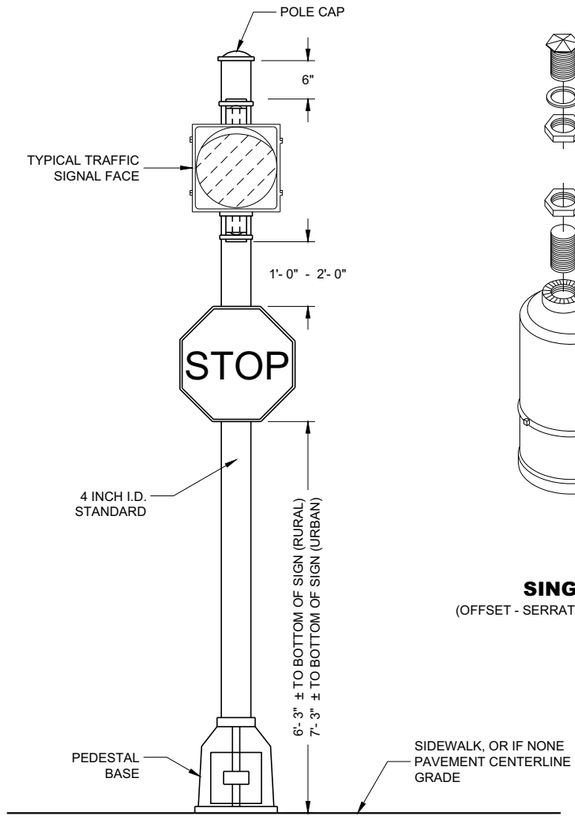
PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

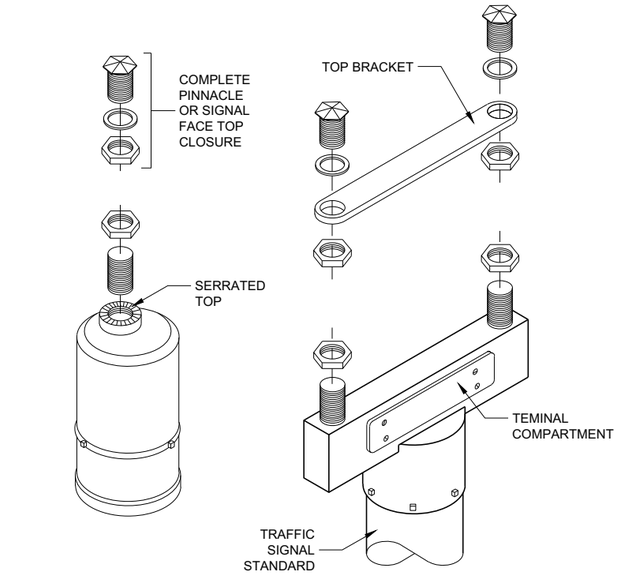
(1) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACESAND BRACKET ENDS.



PEDESTRIAN FACE STANDARD - 10 FT.
(WALK - DON'T WALK)



STANDARD FLASHER
10 FOOT, 13 FOOT OR 15 FOOT AS REQUIRED



SINGLE
(OFFSET - SERRATED MOUNTING)

DOUBLE
(SERRATED MOUNTING)

SLIPFITTERS

TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
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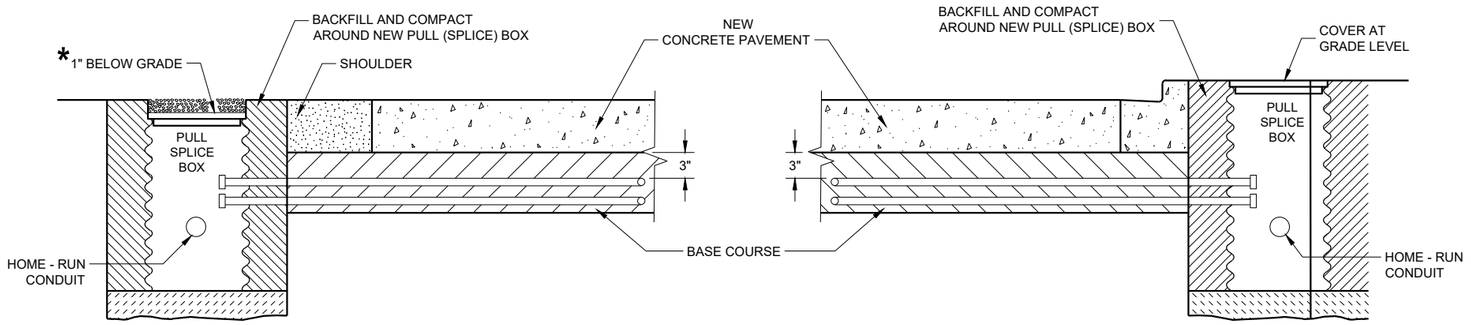


SECTION A - A
NO CURB AND GUTTER

SECTION B - B
CURB AND GUTTER

* RECESS PULL (SPLICE) BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

LOOP DETECTOR INSTALLATION DETAIL

GENERAL NOTES

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

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL (SPLICE) BOX.

LOOP SIZE, LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READING TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

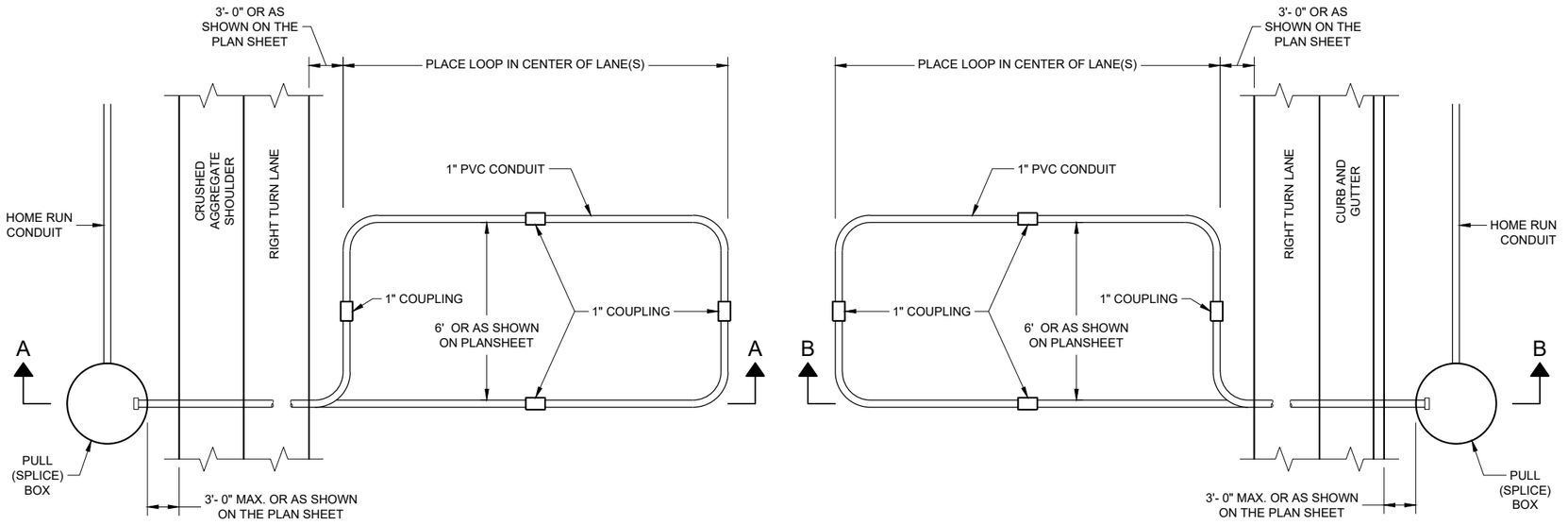
THE #12 AWG LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL (SPLICE) BOXES AT THE SIDE OF THE ROAD.

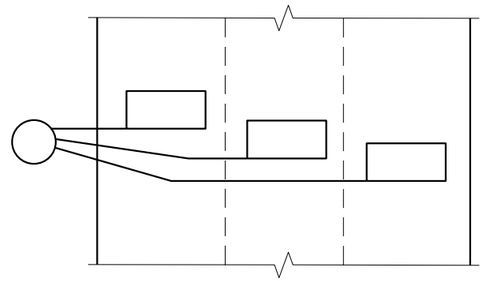
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE NON-SPLICED, CONTINUOUS LENGTH.

PROTECTION OF THE CONDUIT IN THE BASE COURSE SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW PAVEMENT IS INSTALLED.

SHOULD INSTALLATION REPAIR BE REQUIRED, IT SHALL BE DONE UNDER THE DIRECTION OF THE PROJECT ENGINEER.



TYPICAL PLAN LOOP DETECTOR
WITH 24" PULL (SPLICE) BOX



MULTI-LANE
INSTALLATION

LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)

STATE OF WISCONSIN
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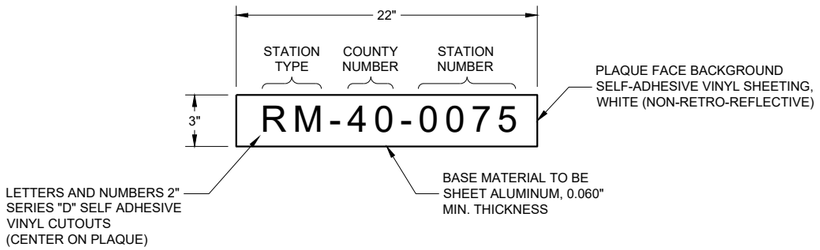
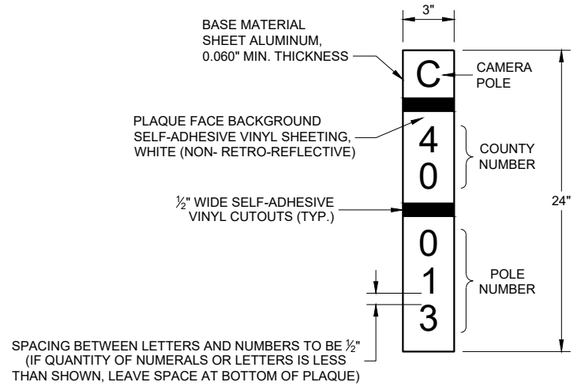


CONTROL CABINET IDENTIFICATION PLAQUE DETAIL



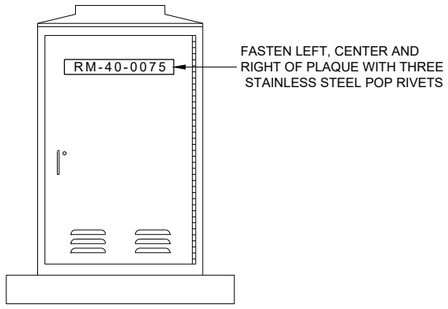
POLE IDENTIFICATION PLAQUE DETAIL

GENERAL NOTES

1. TWO PLAQUES PER CABINET REQUIRED ON CONTROL CABINET.
2. FASTEN ONE PLAQUE ON FRONT DOOR, UPPER HALF.
3. FASTEN ONE PLAQUE ON SIDE FACING LOCAL STREET. IF NO LOCAL STREET NEARBY, OR IF SUCH LOCATION COINCIDES WITH LOCATION OF PLAQUE IN NOTE 2 , FASTEN PLAQUE ON REAR OF CABINET, UPPER HALF.
4. COUNTY NUMBER NOT REQUIRED ON RAMP METER CABINETS.

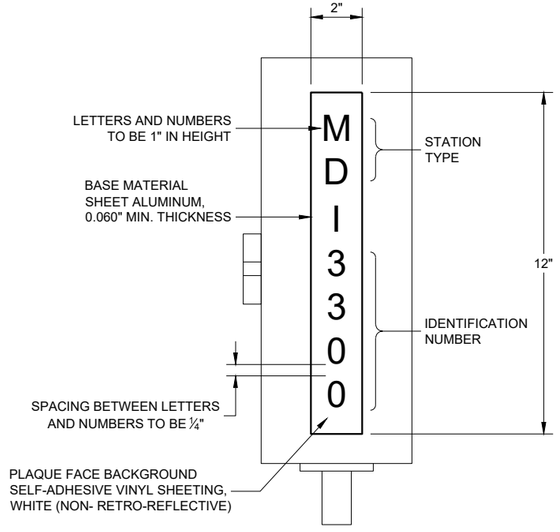
LEGEND STATION TYPE

RM - RAMP METER
CCTV - CLOSED CIRCUIT TELEVISION
ATR - AUTOMATIC TRAFFIC RECORDER
SDS - SYSTEM DETECTOR STATION
MD - MICROWAVE DETECTOR



CONTROL CABINET IDENTIFICATION PLAQUE REQUIREMENTS AND PLACEMENTS

(TYPICAL ALL CONTROL CABINETS)



MICROWAVE DETECTOR FIELD CABINET IDENTIFICATION PLAQUE DETAIL

IDENTIFICATION PLAQUE REQUIREMENTS AND PLACEMENTS

STATE OF WISCONSIN
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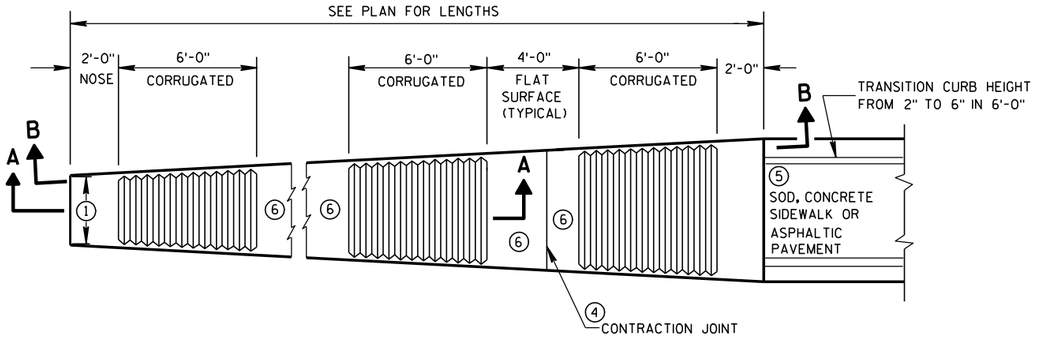
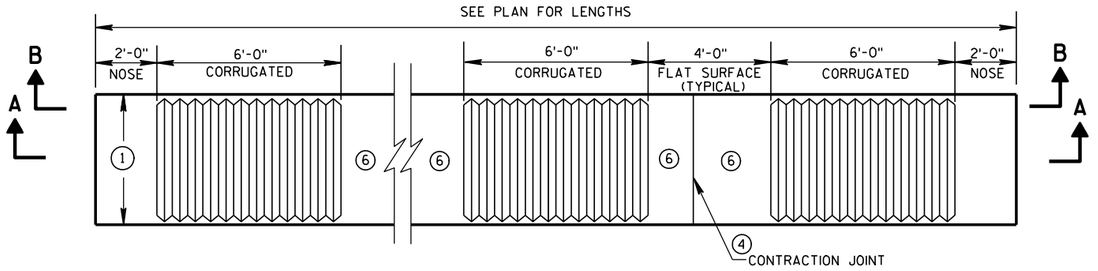


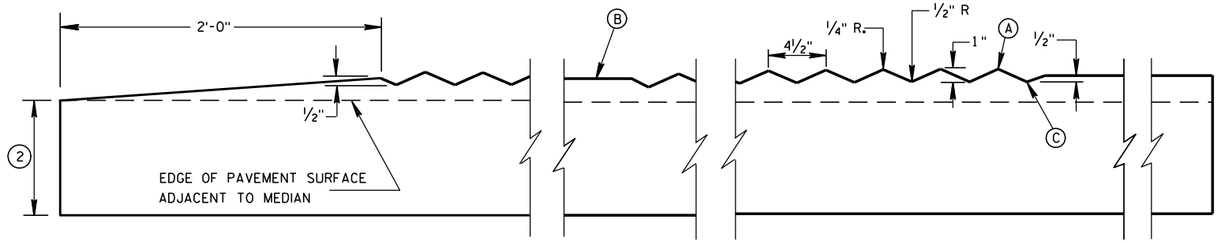
PLAN VIEW

VARIABLE WIDTH CONCRETE CORRUGATED MEDIAN



PLAN VIEW

UNIFORM WIDTH CONCRETE CORRUGATED MEDIAN



SECTION A-A

LONGITUDINAL SECTION

GENERAL NOTES

(1) SEE PLANS FOR CONSTANT OR VARIABLE WIDTH.

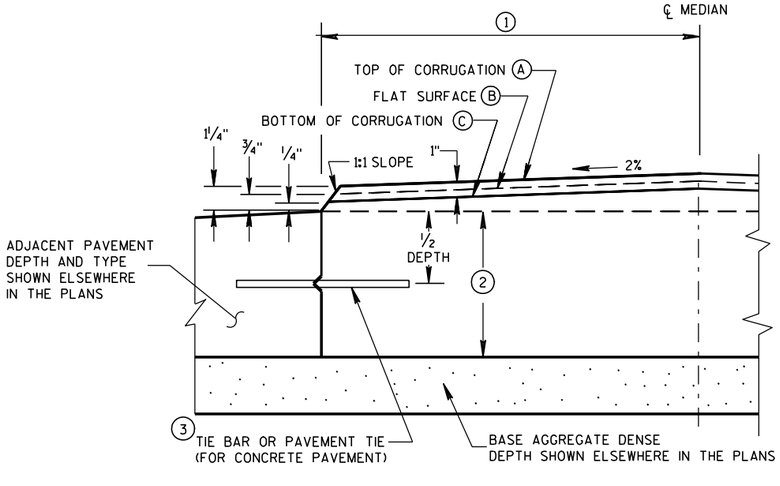
(2) THE DEPTH OF THE CONCRETE CORRUGATED MEDIAN SHALL BE 9-INCHES UNLESS SHOWN OTHERWISE IN THE PLAN.
ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN IN THE PLAN. TYPICAL OPTIONS ARE:
(1) NEW OR EXISTING CONCRETE PAVEMENT.
(2) ASPHALTIC CONCRETE OVER NEW OR EXISTING CONCRETE BASE COURSE, OR PAVEMENT.
(3) ASPHALTIC PAVEMENT OVER BASE AGGREGATE DENSE.

(3) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.
INSTALL TIE BARS TO MAINTAIN A MINIMUM OF 3-INCHES OF COVER BETWEEN THE TIE BAR AND THE CONCRETE SURFACE (BOTTOM AND TOP).
PAVEMENT TIES REQUIRED IN EXISTING CONCRETE PAVEMENT OR CONCRETE BASE COURSE, PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

(4) CONCRETE CORRUGATED MEDIAN CONTRACTION JOINTS SHALL BE CONSTRUCTED TO MATCH THE JOINTS IN ADJACENT CONCRETE PAVEMENT. WHERE ADJACENT PAVEMENT IS ASPHALT WITH BASE AGGREGATE DENSE. TRANSVERSE CONTRACTION JOINTS SHALL BE PROVIDED AT 20 FOOT INTERVALS.

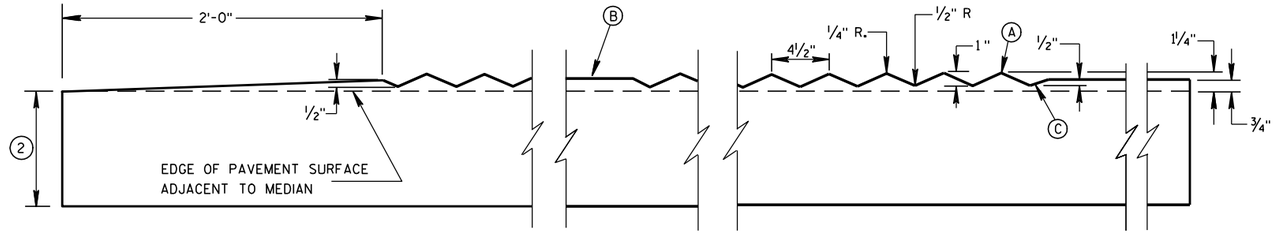
(5) SURFACE TYPE AND DETAILS ARE DEFINED ELSEWHERE IN THE PLAN.

(6) YELLOW MARKING ON FLAT SURFACE WHEN MEDIAN SEPARATES OPPOSING TRAFFIC.



HALF CROSS SECTION

(2) CONCRETE CORRUGATED MEDIAN AND ADJACENT PAVEMENT



SECTION B-B

LONGITUDINAL SECTION

CONCRETE CORRUGATED MEDIAN

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
12/17/07
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

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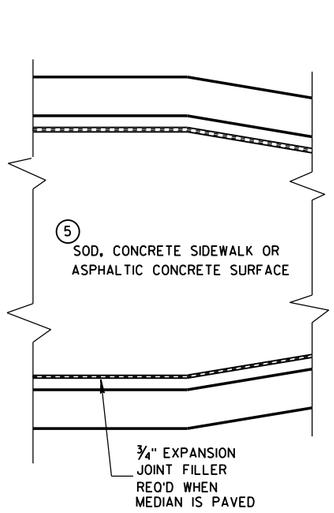
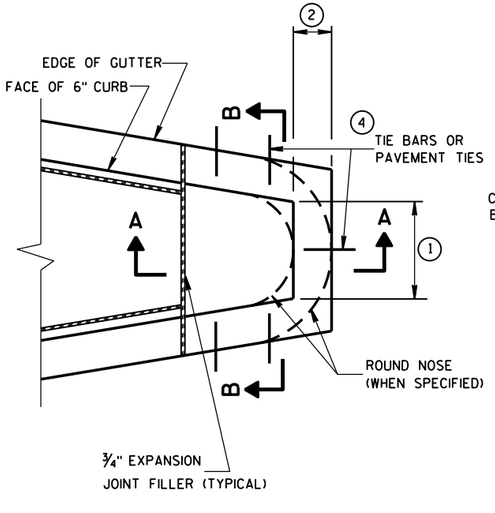
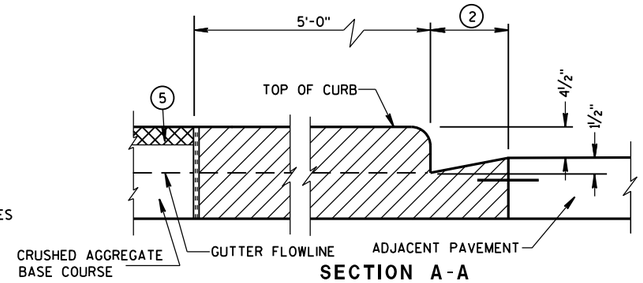
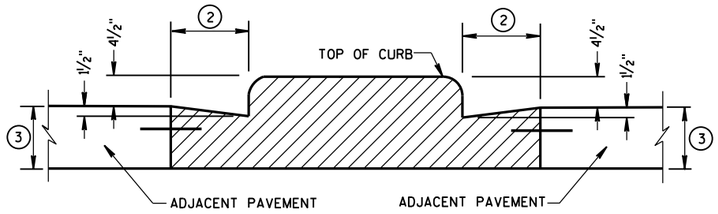
S.D.D. 11 B 1-5







SECTION A-A



SECTION B-B

CONCRETE MEDIAN BLUNT NOSE DETAIL

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) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

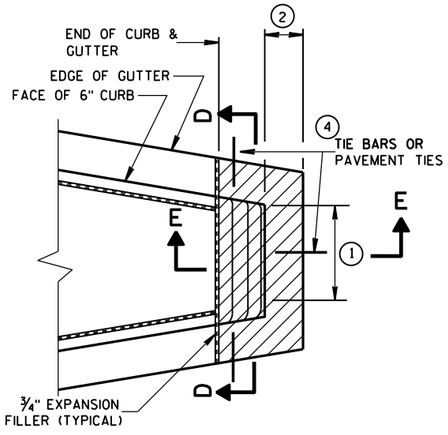
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

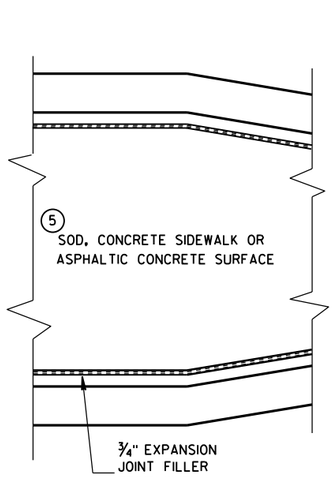
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

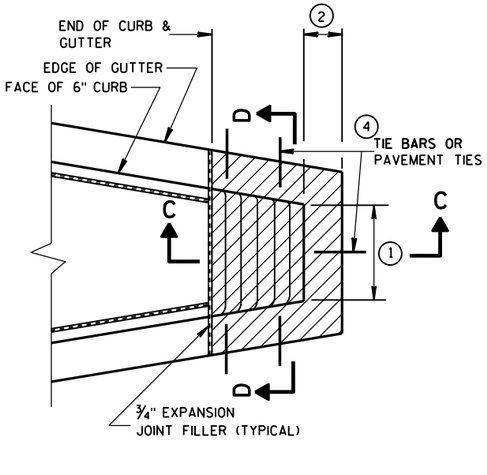
(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

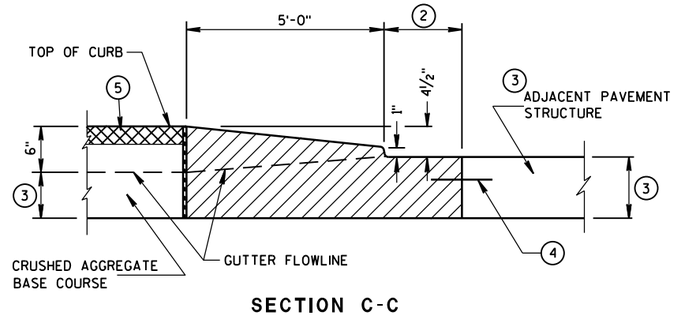
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.



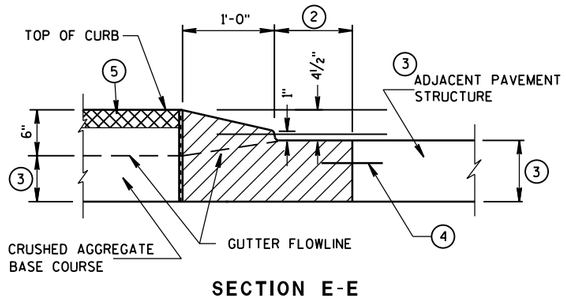




CONCRETE MEDIAN SLOPED NOSE TYPE 1

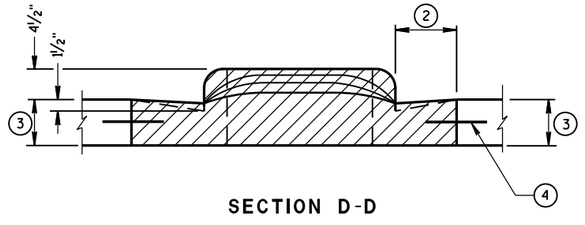


SECTION C-C



SECTION E-E

CONCRETE MEDIAN SLOPED NOSE TYPE 2



SECTION D-D

CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/8/2006
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS D ENGINEER
FHWA

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S.D.D. 11 B 2-2

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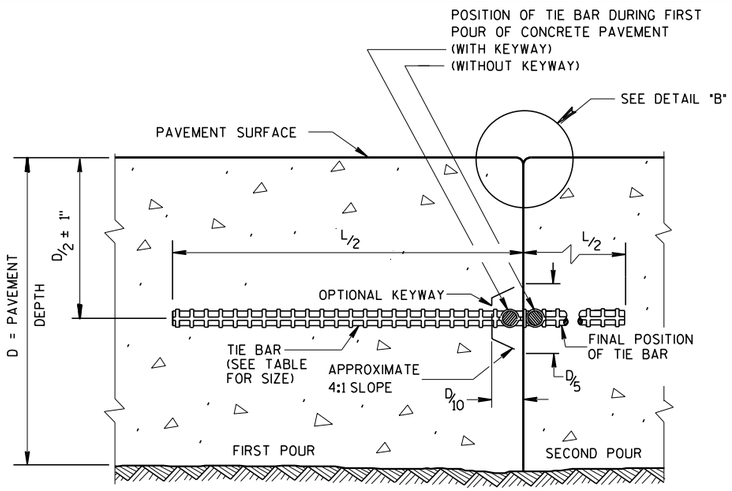
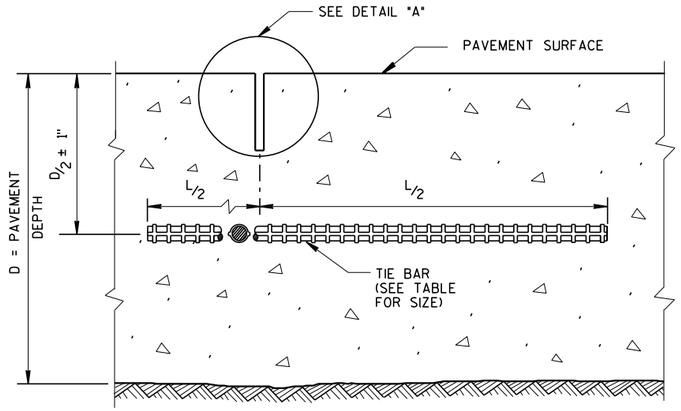
S.D.D. 11 B 2-2



CONSTRUCTION JOINT



SAWED JOINT

GENERAL NOTES

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

(2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.

PLAN VIEW

SECTION A-A

LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT

DETAIL "A"

DETAIL "B"

DETAIL "C"

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE
/S/ Peter Kemp PE
PAVEMENT SUPE
FHWA

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S.D.D. 13 C 1-19

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S.D.D. 13 C 1-19

GENERAL NOTES

PCCP = PORTLAND CEMENT CONCRETE PAVEMENT.

SHLDR = SHOULDER.

CONTINUE SAW CUT CONTRACTION JOINT ACROSS TURN LANE, EXIT TAPER AND PASSING LANE.

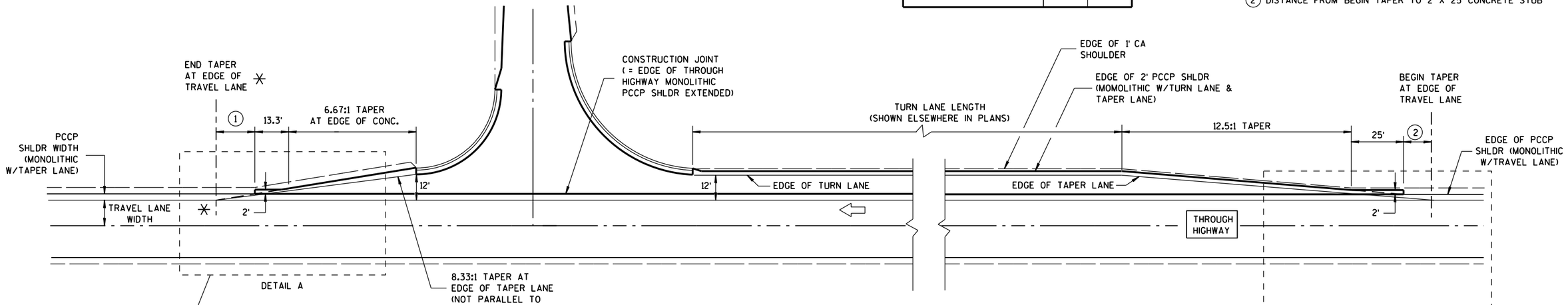
PAVEMENT MARKING DETAILS AND SPECIFICATIONS ARE PROVIDED ELSEWHERE IN THE CONTRACT.

THROUGH HIGHWAY LANE WIDTH AND PCCP SHOULDER WIDTH ARE SHOWN ELSEWHERE IN PLANS

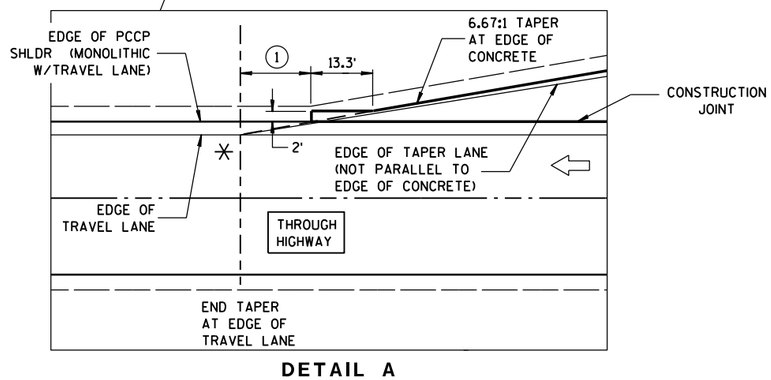
(1) DISTANCE FROM END TAPER TO 2' X 13.3' CONCRETE STUB

(2) DISTANCE FROM BEGIN TAPER TO 2' X 25' CONCRETE STUB

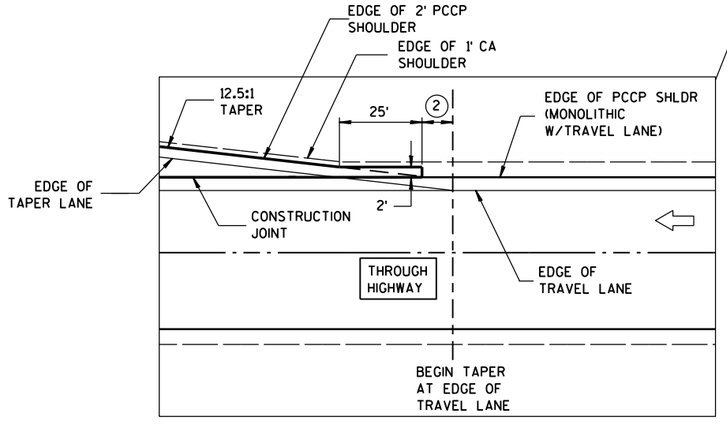
THROUGH HIGHWAY MONOLITHIC PCCP SHOULDER WIDTH (FEET)	DISTANCE (FEET)	
	(1)	(2)
2	13.3	0.0
3	20.0	12.5
TAPER RATE : 1	6.67	12.5



NOTE: EDGE OF CONCRETE TAPER (EXTENDED) & EDGE OF TAPER LANE CONVERGE



DETAIL A



DETAIL B

RIGHT TURN LANE AND EXIT TAPER

DETAIL FOR RIGHT TURN LANE/ TEE INTERSECTION BYPASS LANE ON A CONCRETE ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

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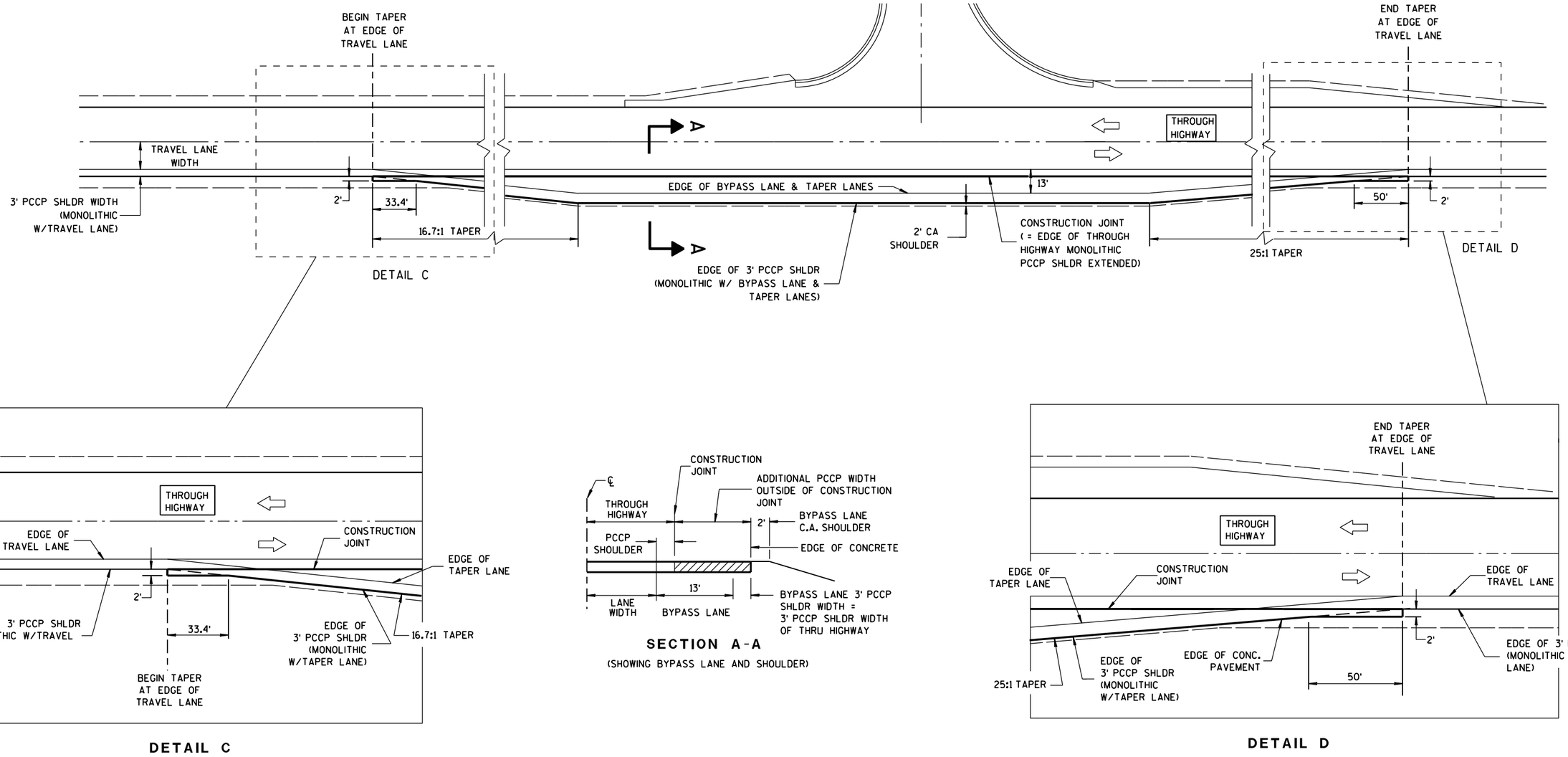
S.D.D. 13 C 16-2a



TWO LANE UNDIVIDED HIGHWAY TEE INTERSECTION BYPASS LANE

DETAIL FOR RIGHT TURN LANE/ TEE INTERSECTION BYPASS LANE ON A CONCRETE ROADWAY	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
12/18/12 DATE	/S/ Jerry H. Zogg ROADWAY STANDARDS ENGINEER
FHWA	

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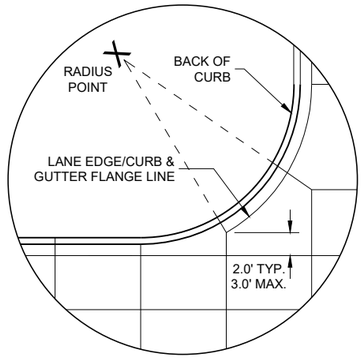
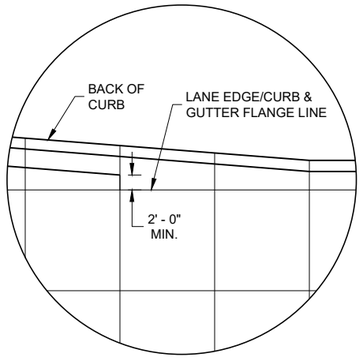
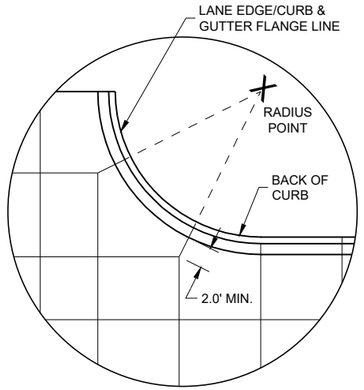
S.D.D. 13 C 16-2b



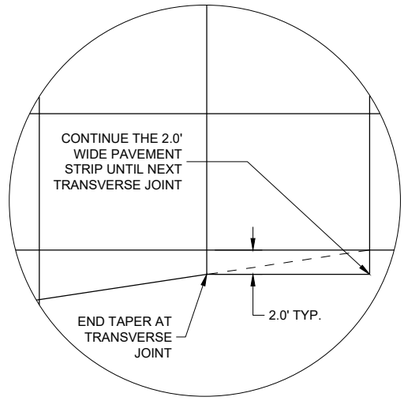
DETAIL "A"



DETAIL "B"



DETAIL "C"



DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

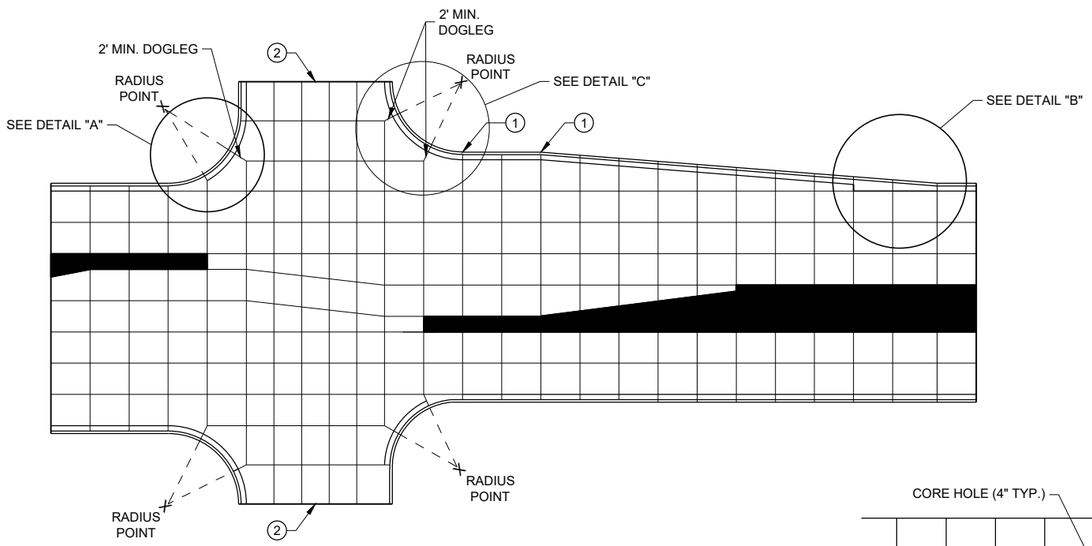
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

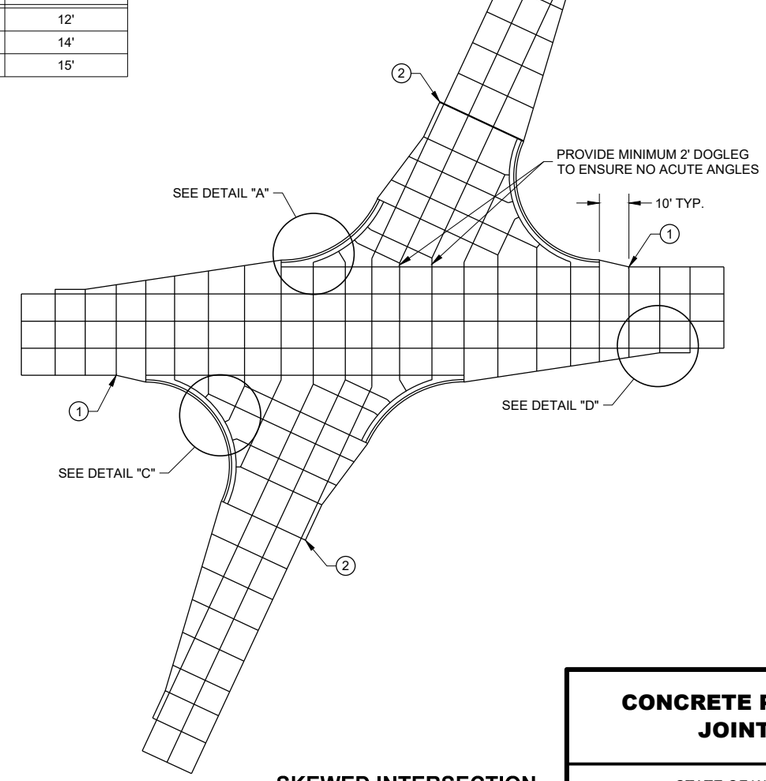
1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



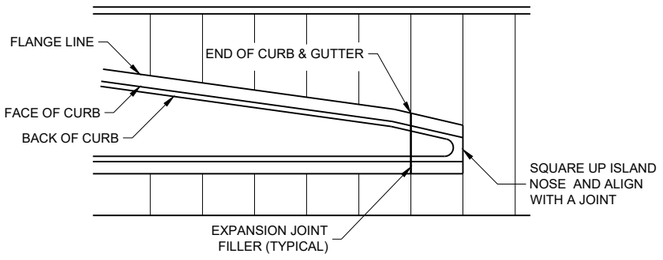
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

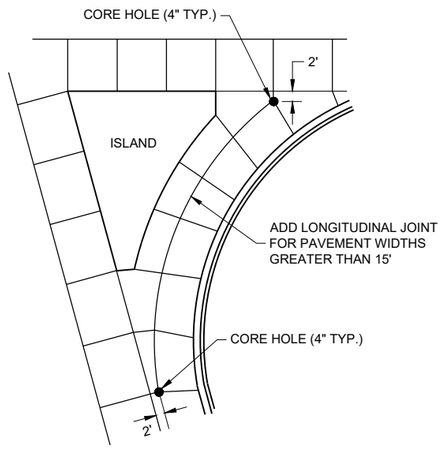
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6 ½"	12'
7", 7 ½"	14'
8" & ABOVE	15'



SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 13C18 - 08a

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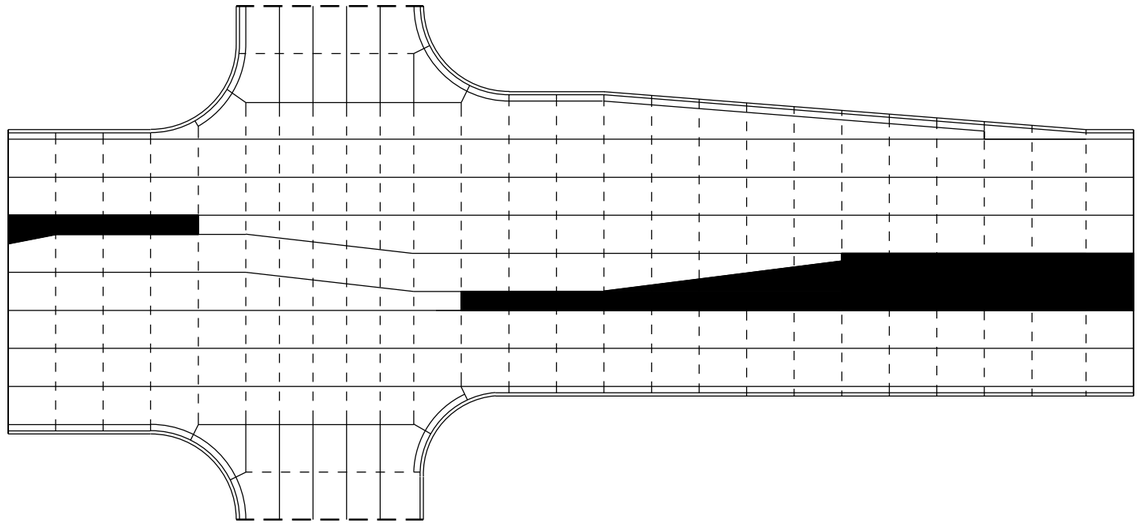
SDD 13C18 - 08a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

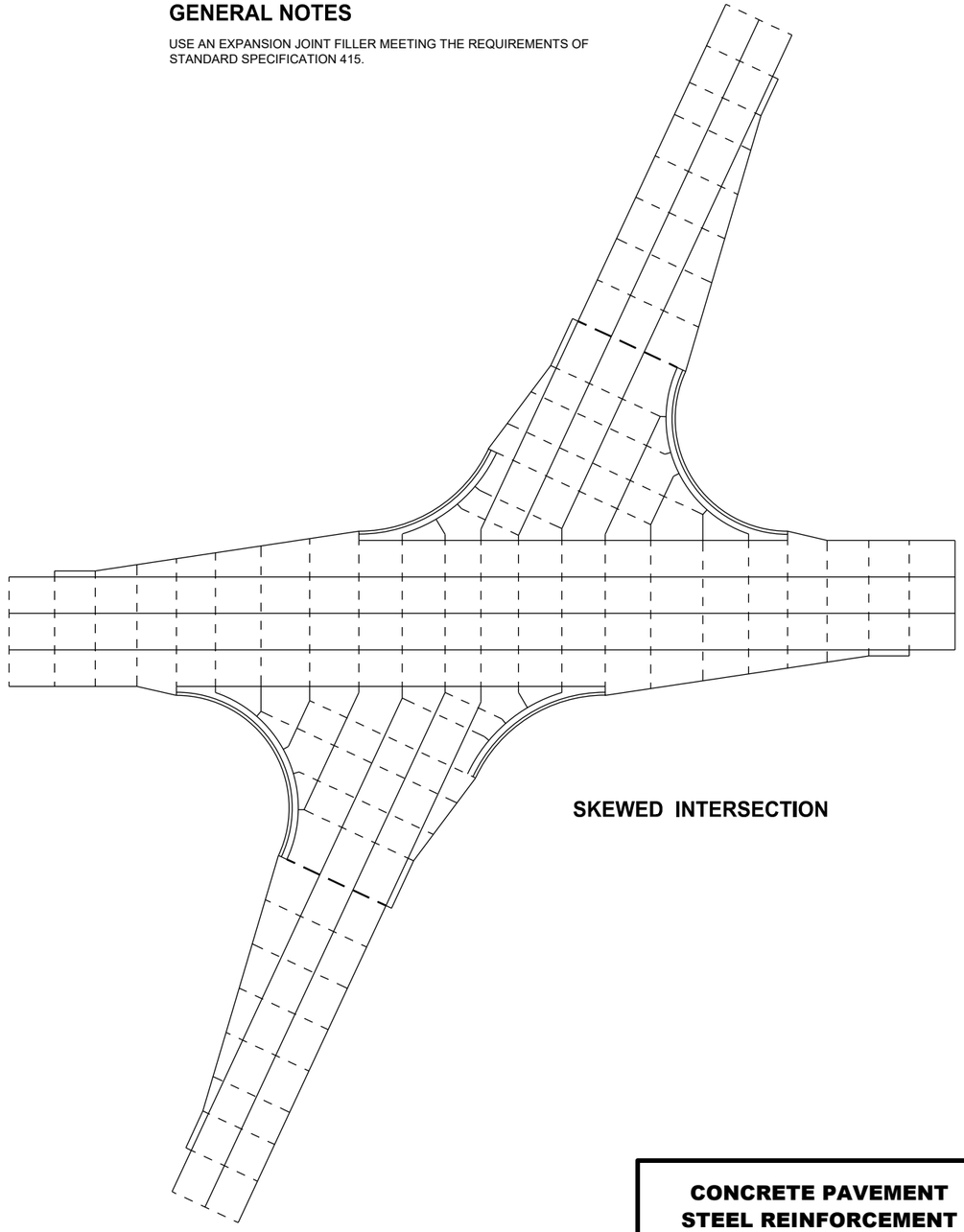
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

6

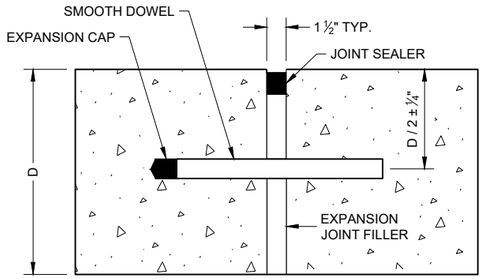
SDD 13C18 - 08b

CONCRETE PAVEMENT STEEL REINFORCEMENT

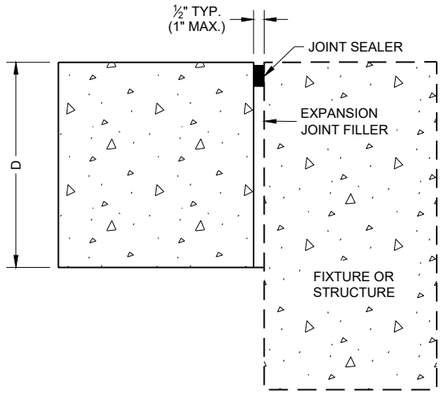
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 13C18 - 08b



DOWELED TRANSVERSE (1)



UNTIED - LONGITUDINAL

EXPANSION JOINTS

TIE BAR TABLE

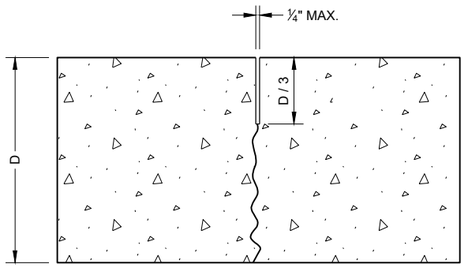
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

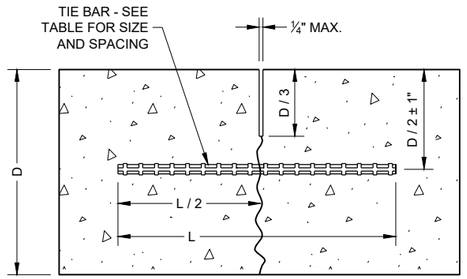
** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

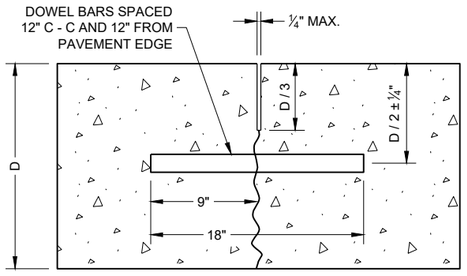
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATETHE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.
4. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
5. IF JOINT IS FORMED, PROVIDE A ¼" RADIUS.
6. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



UNDOWELED TRANSVERSE

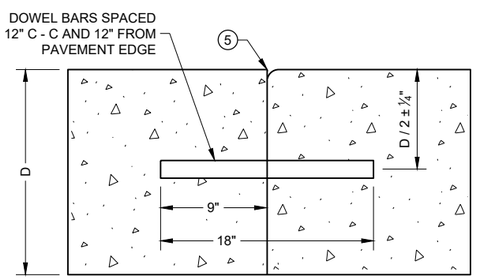


TIED LONGITUDINAL

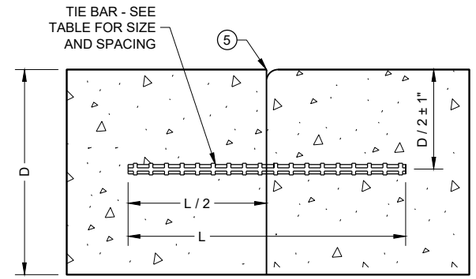


DOWELED TRANSVERSE

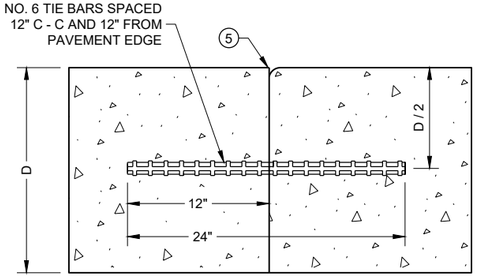
CONTRACTION JOINTS (2)



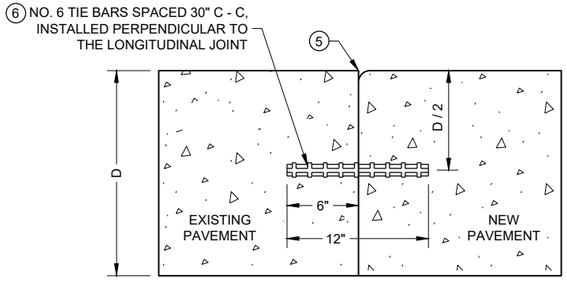
DOWELED TRANSVERSE (3)



TIED LONGITUDINAL



TIED TRANSVERSE (3)
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

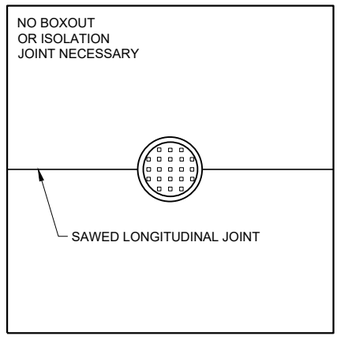
CONSTRUCTION JOINTS (4)

CONCRETE PAVEMENT JOINT TYPES

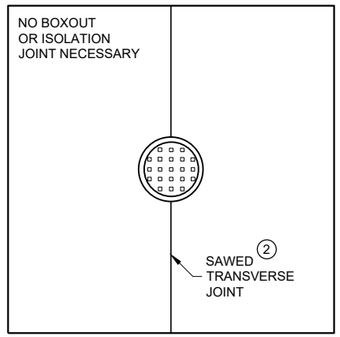
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

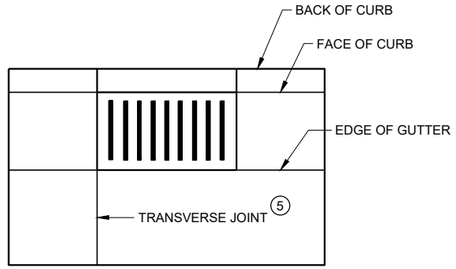
SDD 13C18 - 08c



MANHOLE WITH LONGITUDINAL JOINT



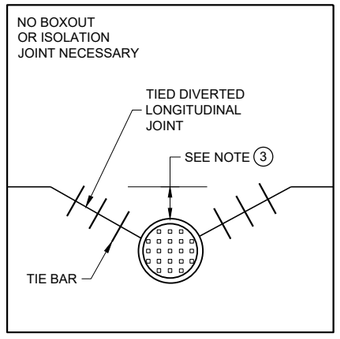
MANHOLE WITH TRANSVERSE JOINT



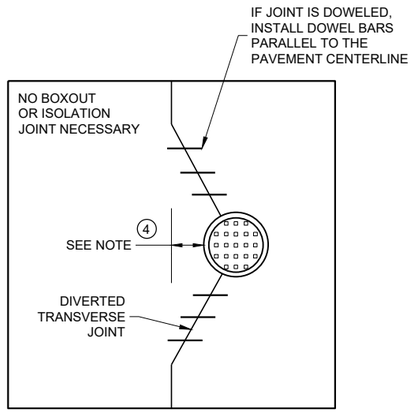
INLET WITH TRANSVERSE JOINT

GENERAL NOTES

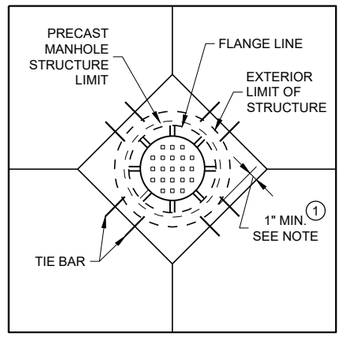
1. USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
2. ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
3. IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDINAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
4. IF THE DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS LESS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
5. ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT



DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVISO

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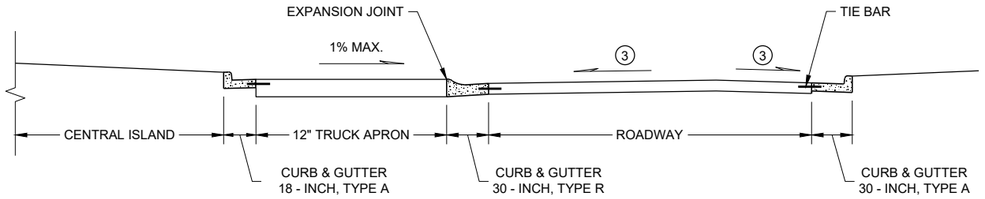
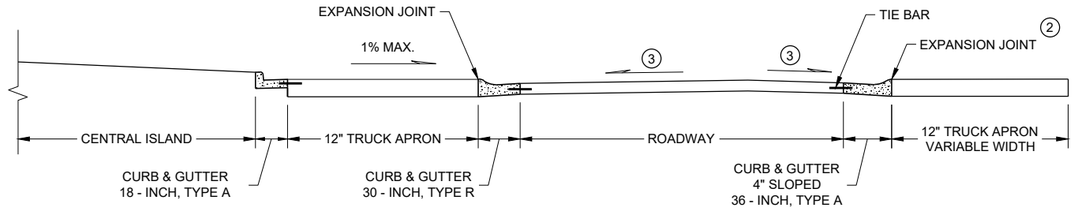
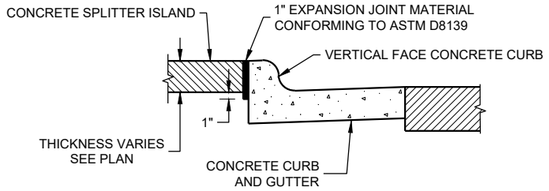


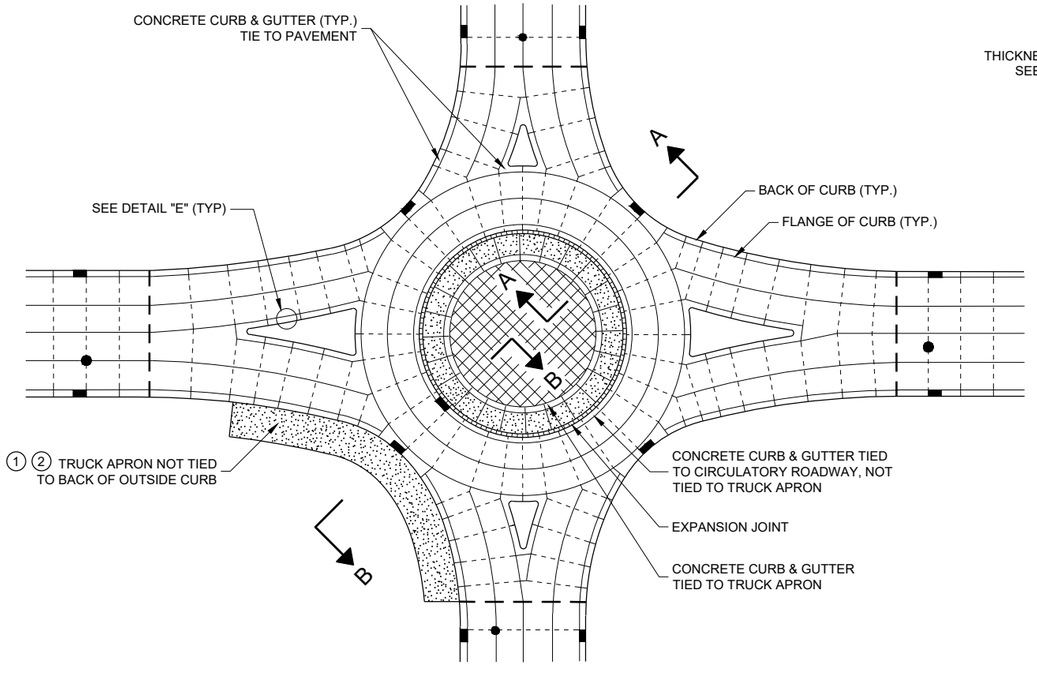
SECTION A - A



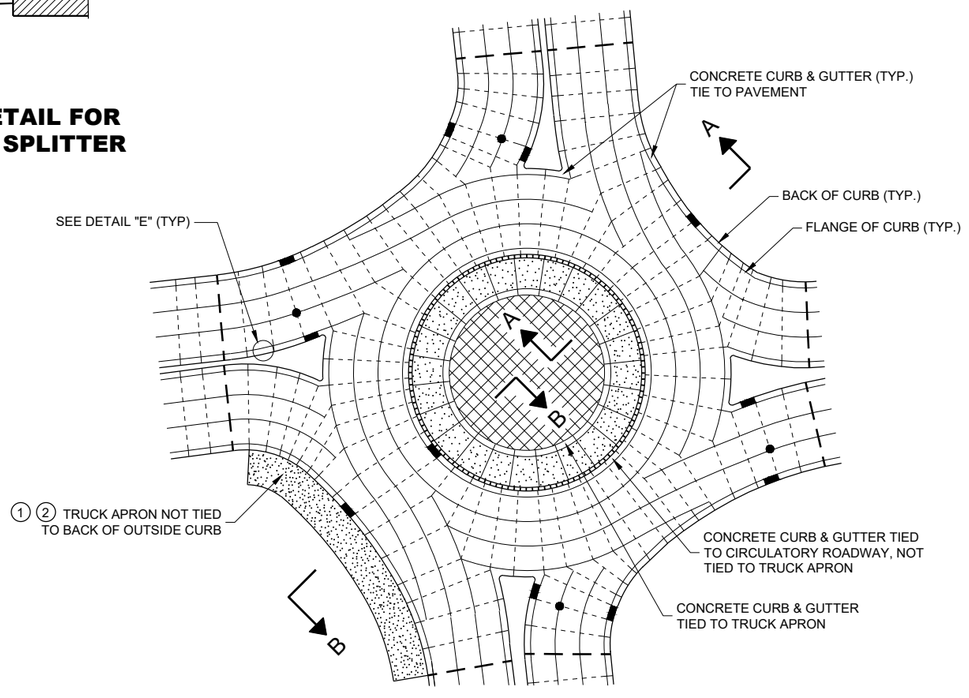
SECTION B - B



DETAIL 'E'
EXPANSION JOINT DETAIL FOR VERTICAL CURB AT A SPLITTER ISLAND



ISOLATED CIRCLE JOINT LAYOUT FOR ROUNDABOUTS



PINWHEEL JOINT LAYOUT FOR ROUNDABOUTS

GENERAL NOTES

MAXIMUM JOINT SPACING IS IN ACCORDANCE WITH THE TABLE SHOWN ON SDD 13C18 - SHEET "a"

USE EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.

DO NOT DOWEL OR TIE THE TRUCK APRON TRANSVERSE JOINTS.

(1) DESIGNER DETERMINES SIZE AND LOCATION(S) OF TRUCK APRON TO ACCOMMODATE TRACKING OF OVERSIZE / OVERWEIGHT VEHICLES.

(2) TIE THE OUTSIDE TRUCK APRON TO THE BACK SIDE OF CURB ONLY WHEN ENTIRE TRUCK APRON IS LESS THAN 3 FEET.

(3) CONFORM TO PLAN CONSTRUCTION DETAILS FOR CIRCULATORY ROADWAY CROSS SLOPE.

LEGEND

- DOWELED JOINT
- TIED JOINT
- EXPANSION JOINT
- POTENTIAL DOWELED EXPANSION JOINT
- TRUCK APRON
- CENTRAL ISLAND
- UTILITY STRUCTURES

CONCRETE PAVEMENT JOINTING AND STEEL REINFORCEMENT IN ROUNDABOUTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

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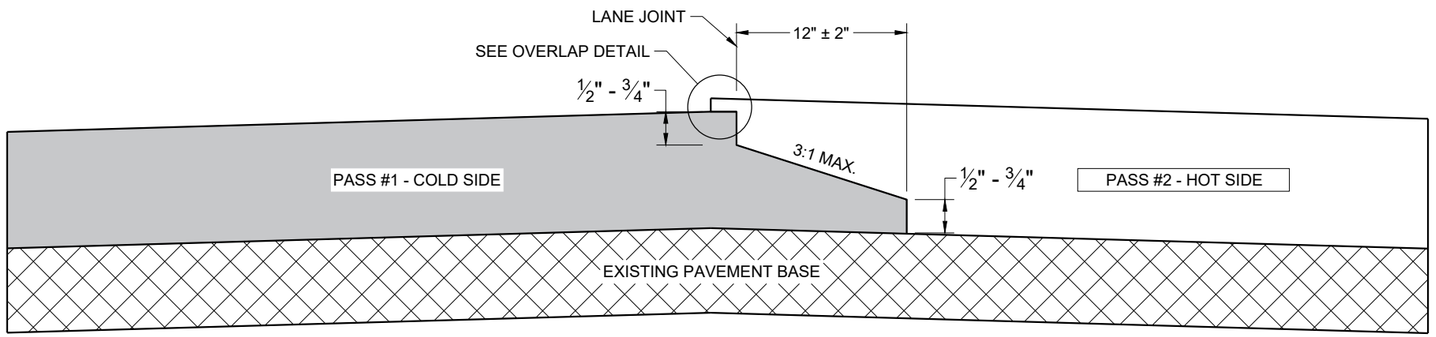
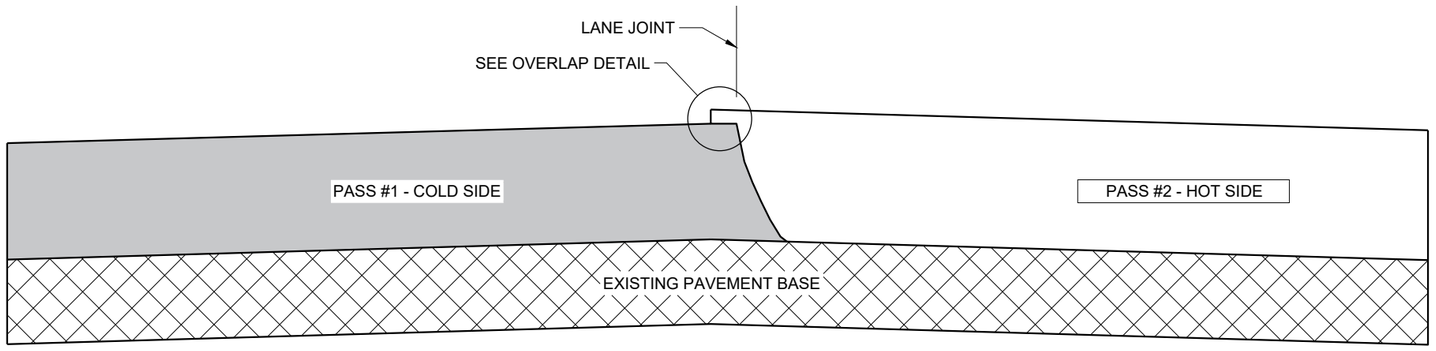
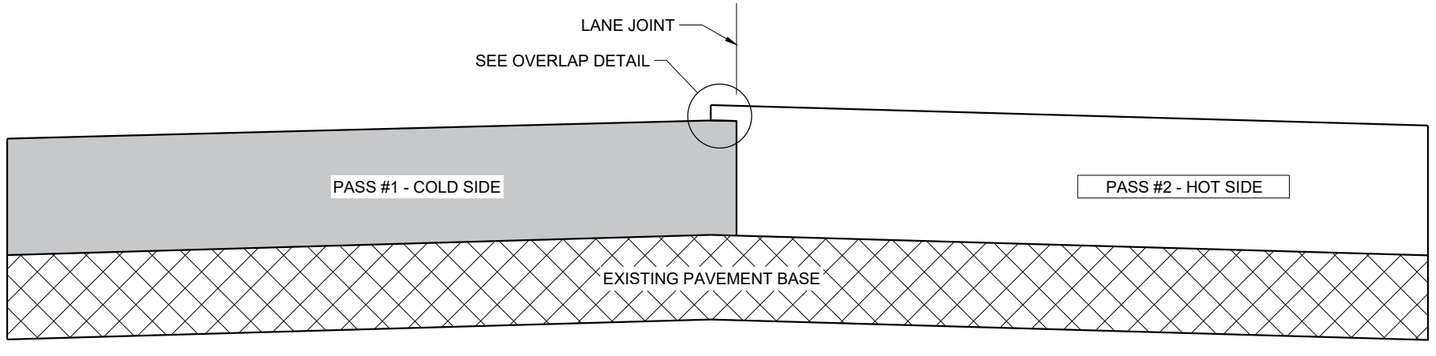


TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

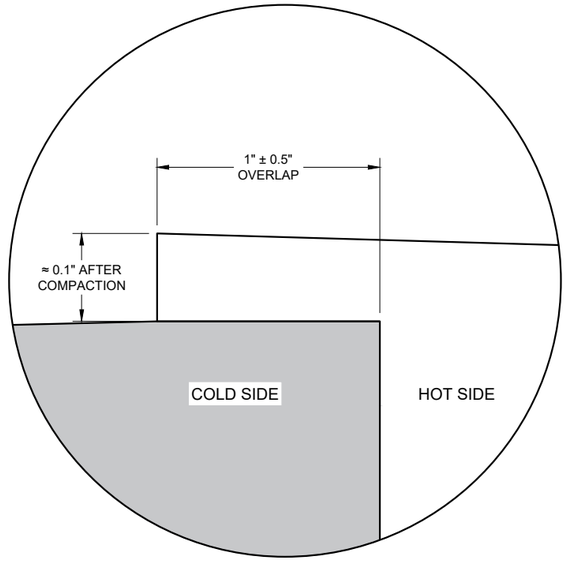
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

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)

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SDD 13C19 - 03

SDD 13C19 - 03

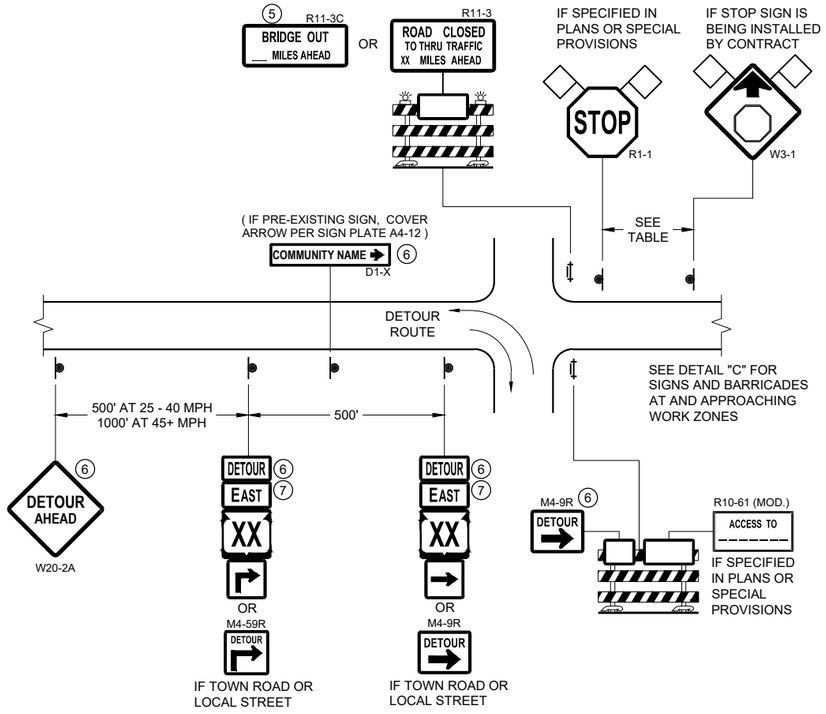
HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2020
DATE

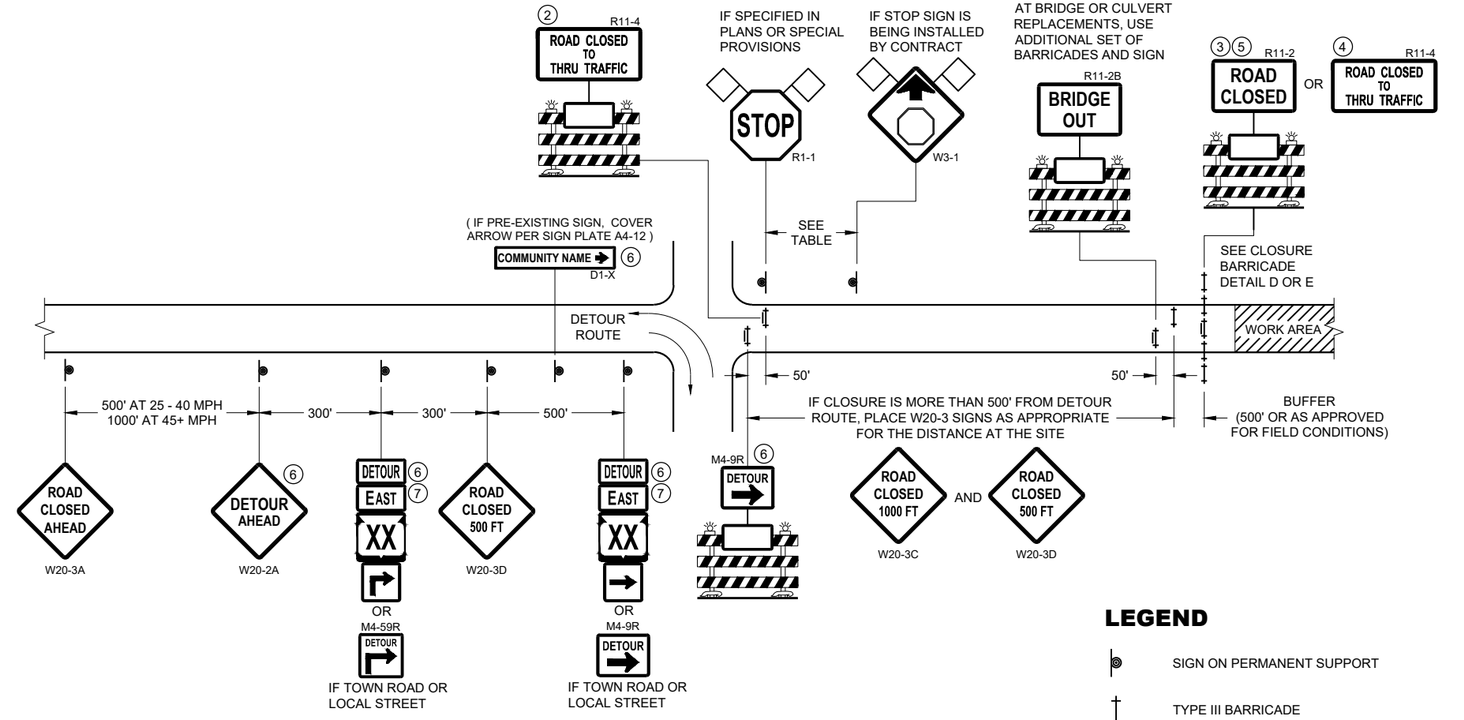
/S/ Steven Hefel
HMA PAVEMENT ENGIN

FHWA



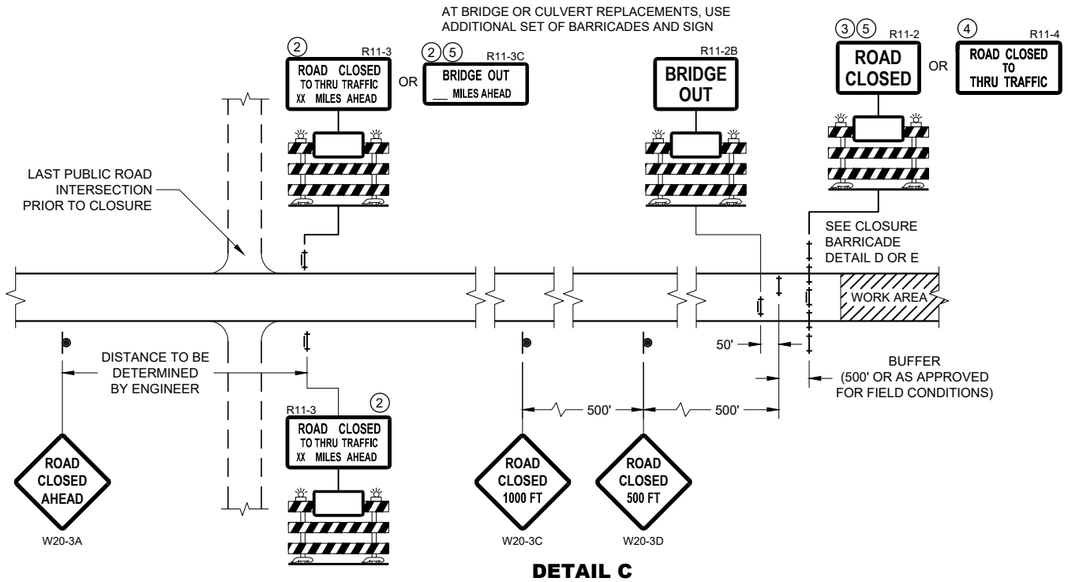
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b"
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

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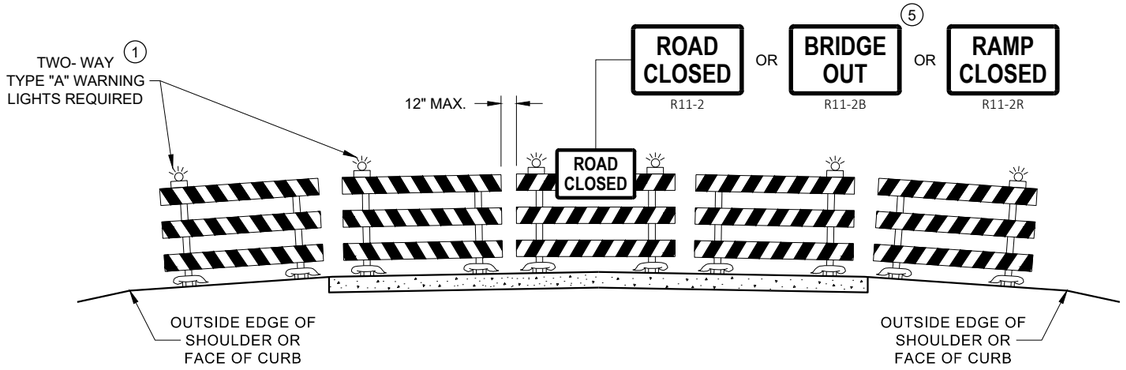
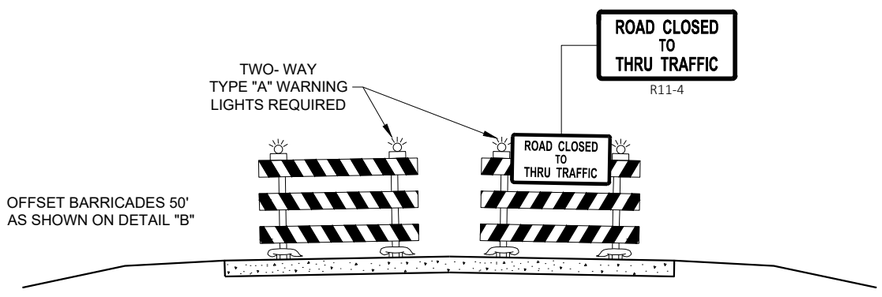
SDD 15C02 - 09a



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

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

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

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

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

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

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

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

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

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

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11 - 2 SHALL BE 48" X 30"
- R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"
- M4 - 9 SHALL BE 30" X 24"
- M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1 - 1 SHALL BE 36" X 36"

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEE
FHWA

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THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR / EAST — M4 - 8, M3 - X
- XX — M1 - 4
- OR XX — M1 - 6
- OR COUNTY X — M1 - 5A
- M05 - 1
- OR M06 - 1
- OR M06 - 1

GENERAL NOTES

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

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND DETOUR 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.

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

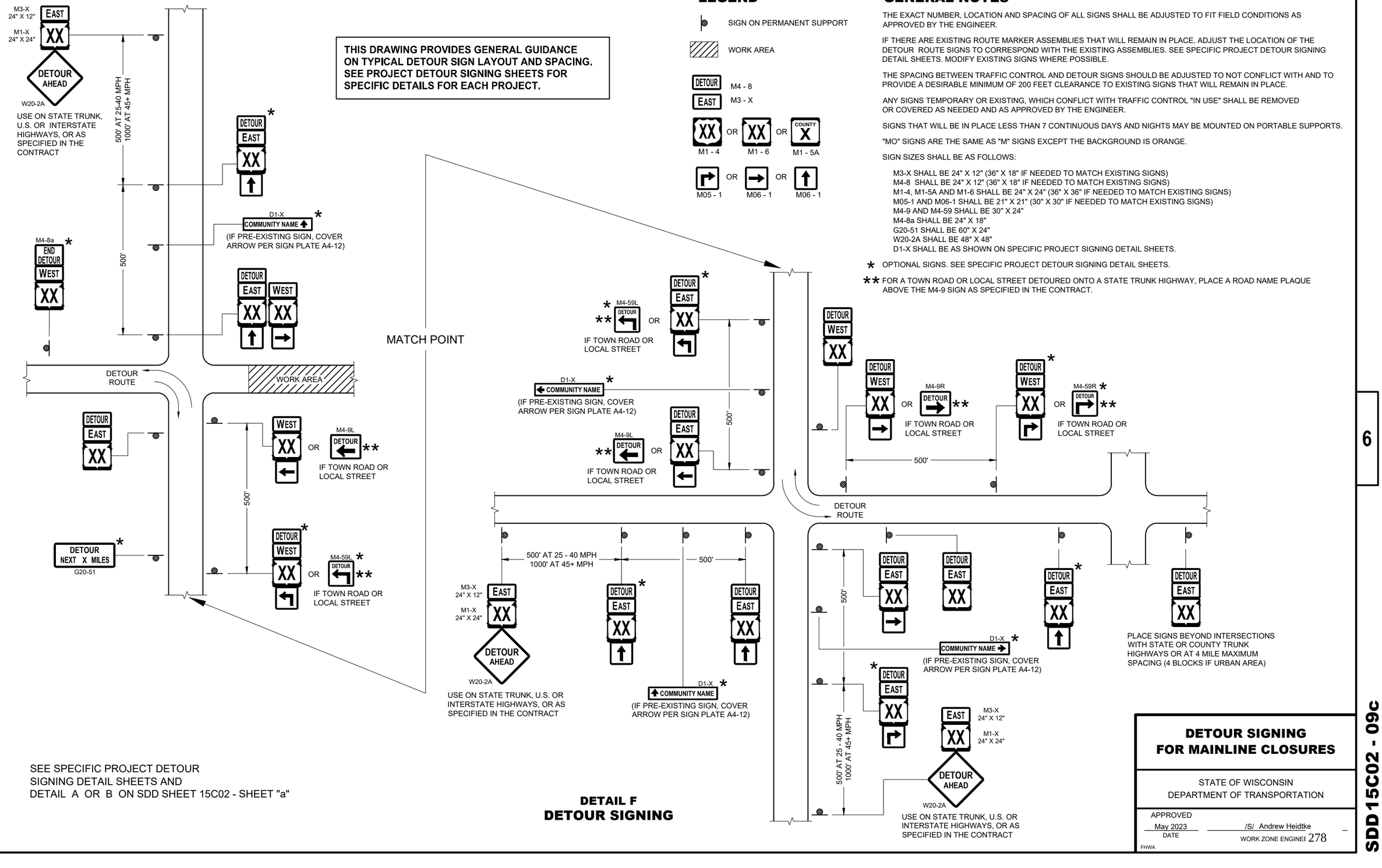
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

- M3-X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1-4, M1-5A AND M1-6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- M05-1 AND M06-1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-9 AND M4-59 SHALL BE 30" X 24"
- M4-8a SHALL BE 24" X 18"
- G20-51 SHALL BE 60" X 24"
- W20-2A SHALL BE 48" X 48"
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT



SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD SHEET 15C02 - SHEET "a"

DETAIL F
DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

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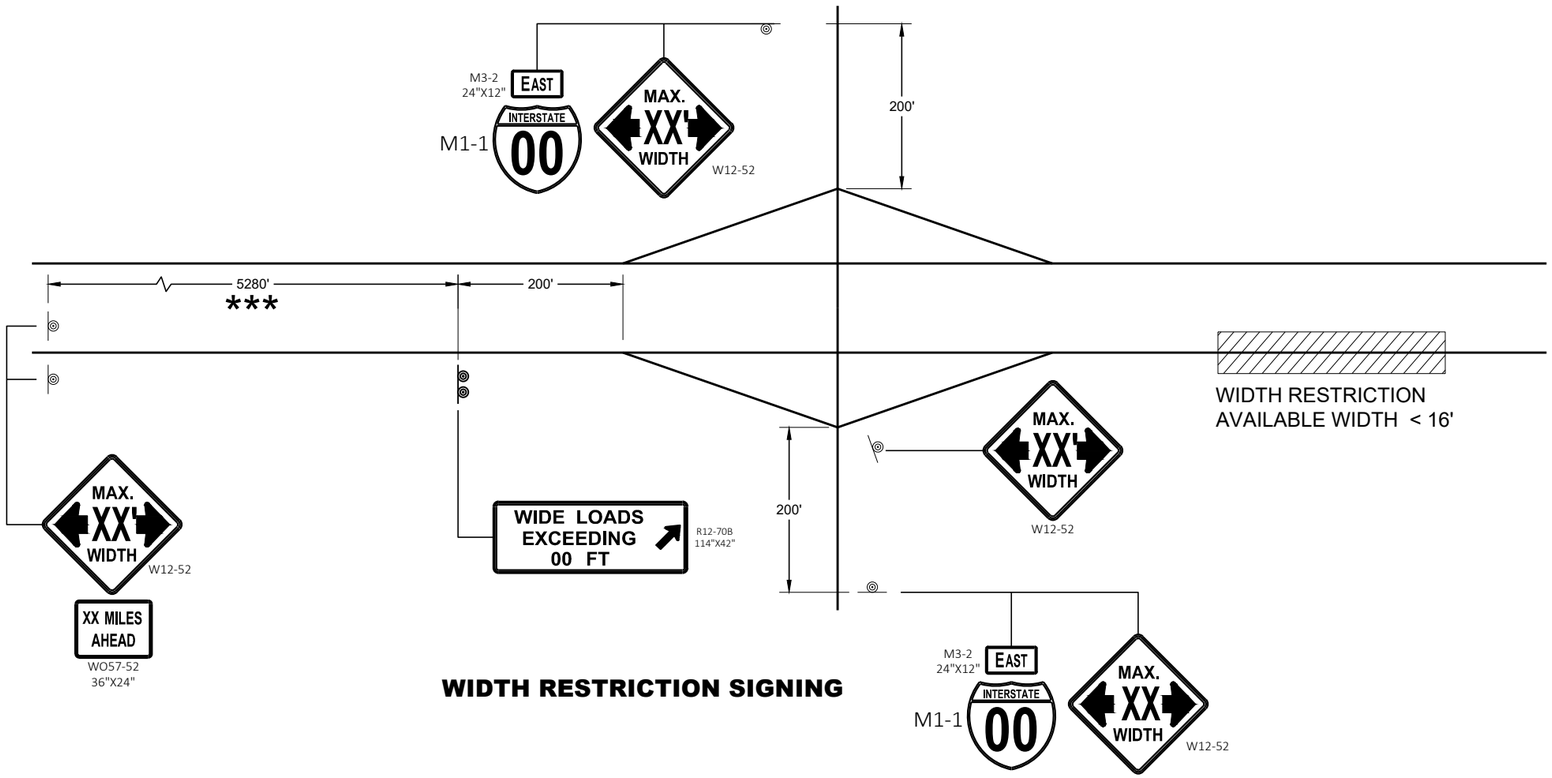
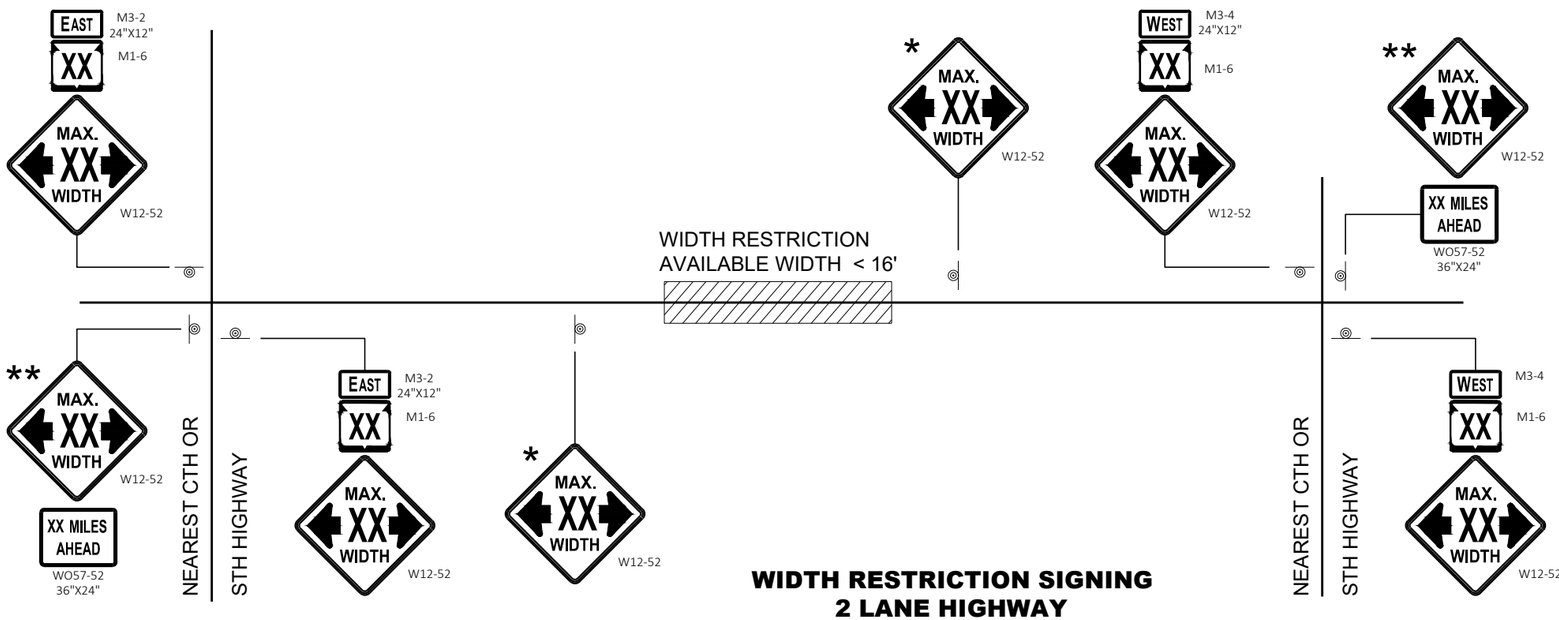


WIDTH RESTRICTION SIGNING



WIDTH RESTRICTION SIGNING
2 LANE HIGHWAY

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

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SDD 15C02 - 09f

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ADVANCED WIDTH RESTRICTION SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

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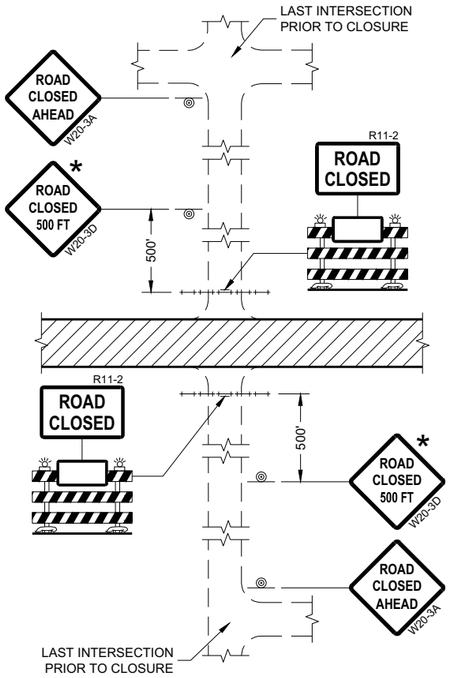
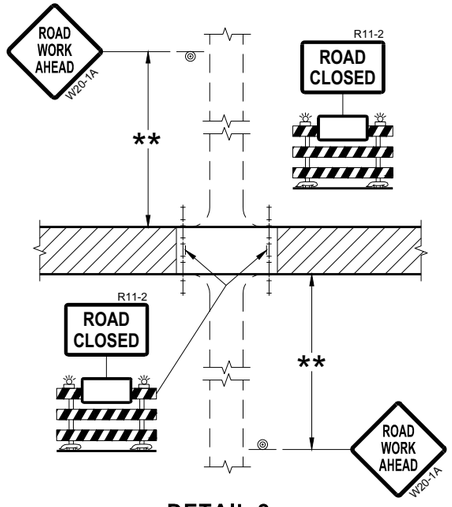
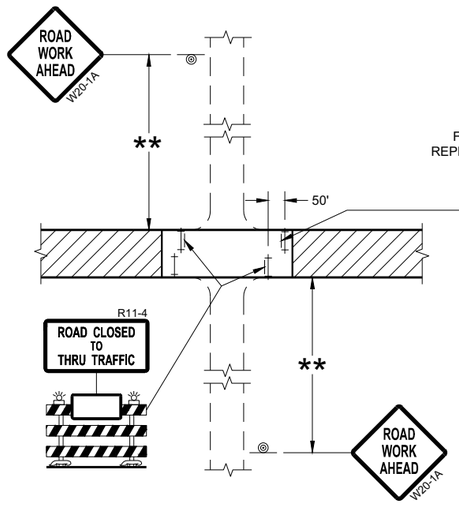


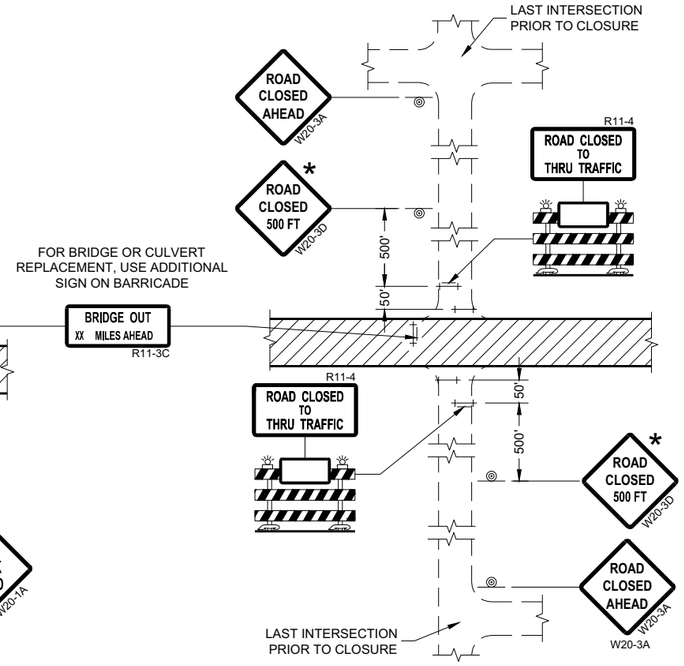
DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT)



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)



DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

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

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

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

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

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

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

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

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

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

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.

** 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

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SDD 15C03 - 05

GENERAL NOTES

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

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

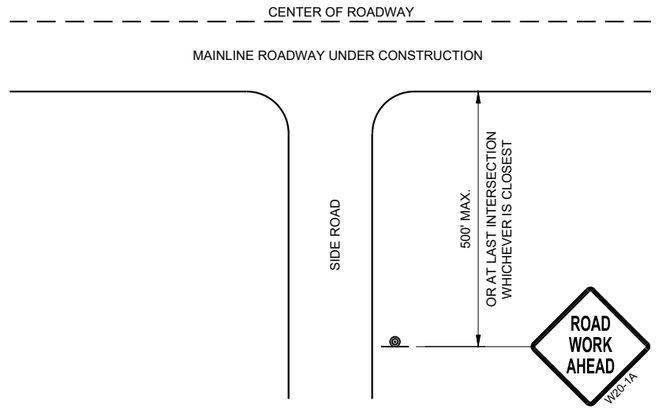
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

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

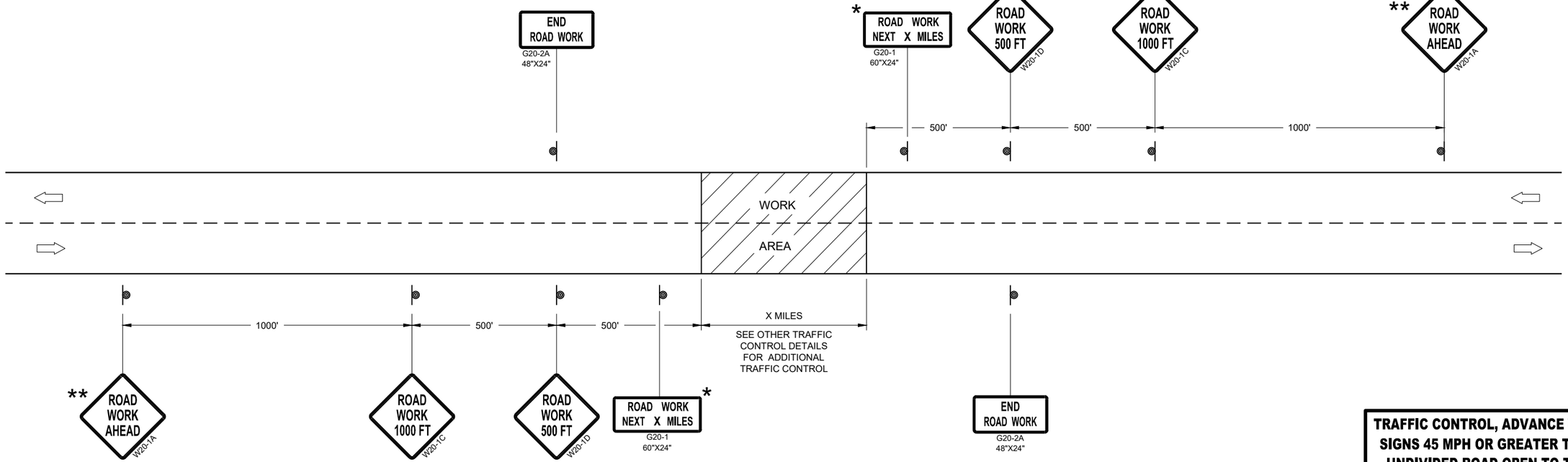
** PLACE AN ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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SDD 15C04 - 05

GENERAL NOTES

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

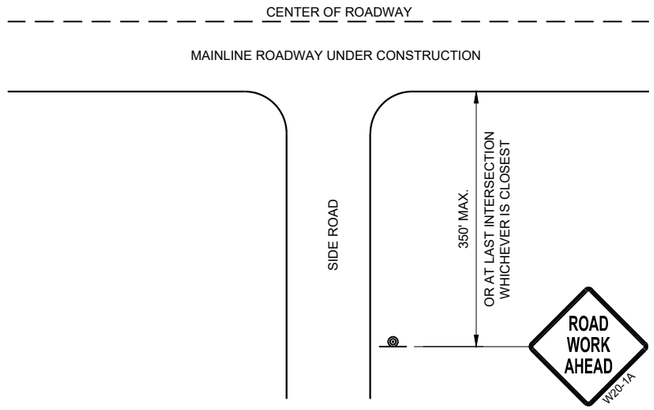
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"X36" SIGNS MAY BE USED INSTEAD OF 48" X 48" SIGNS.

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

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

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



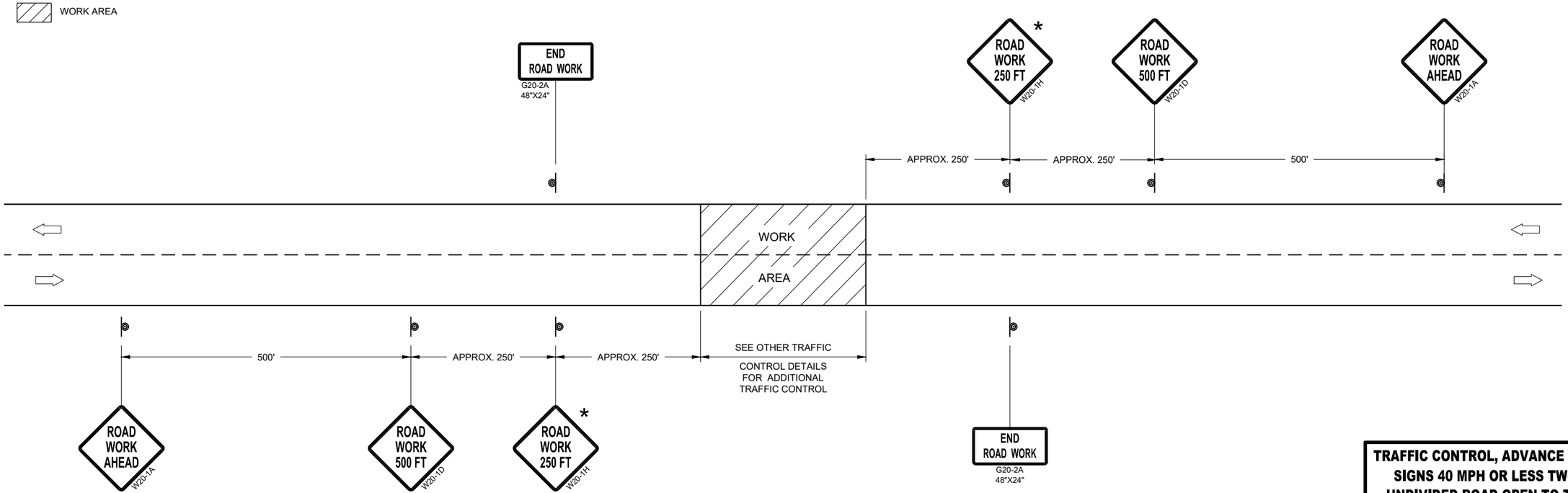
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40MPH OR LESS

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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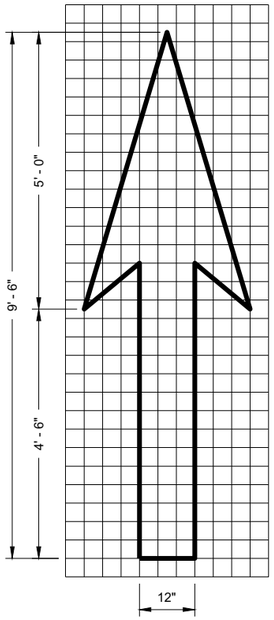
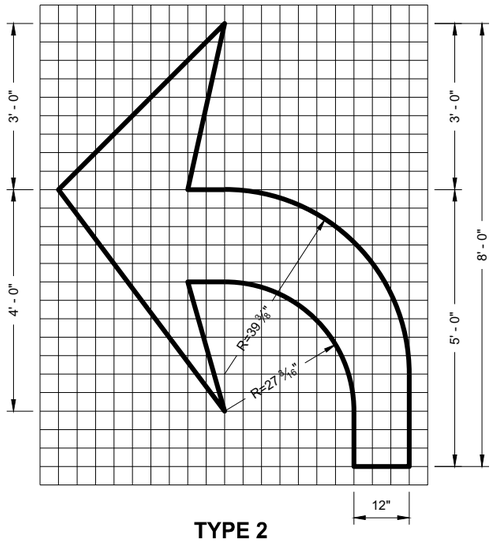
SDD 15C05 - 05

GENERAL NOTES

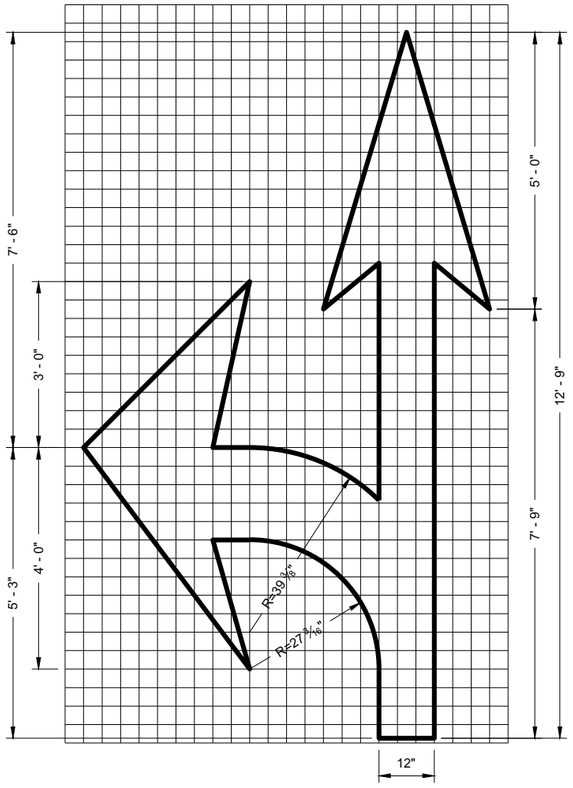
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



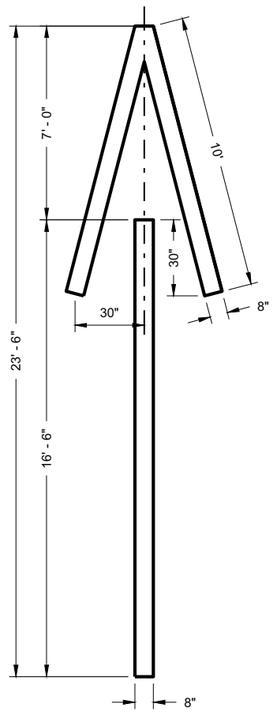
TYPE 1



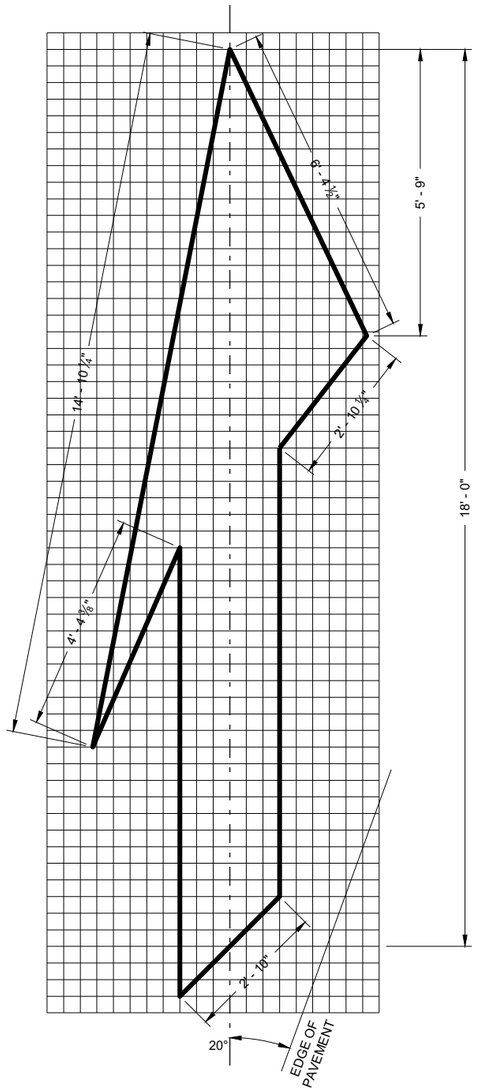
TYPE 2



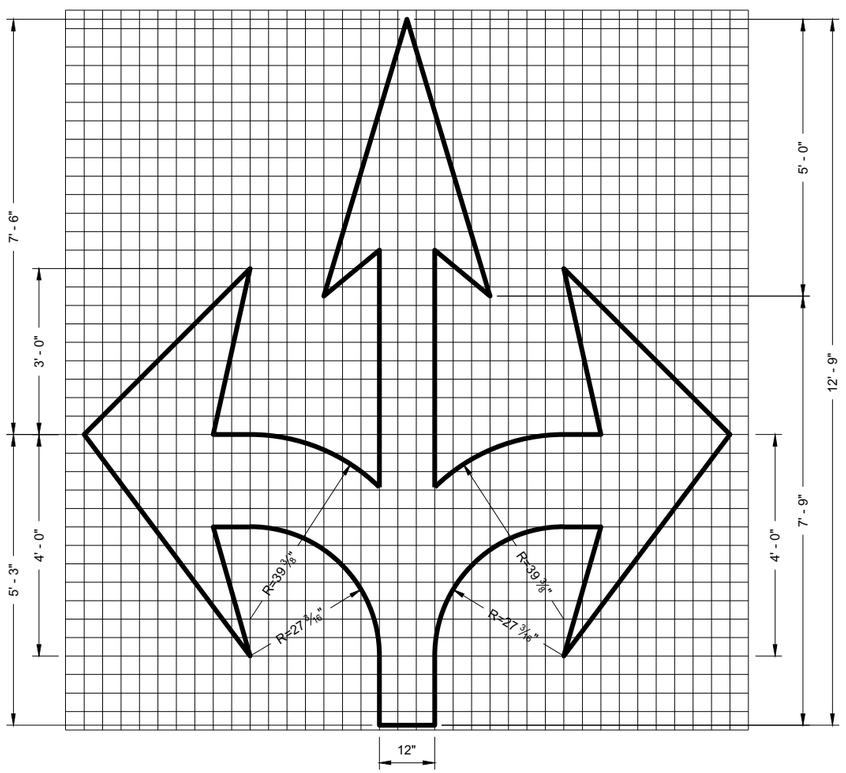
TYPE 3



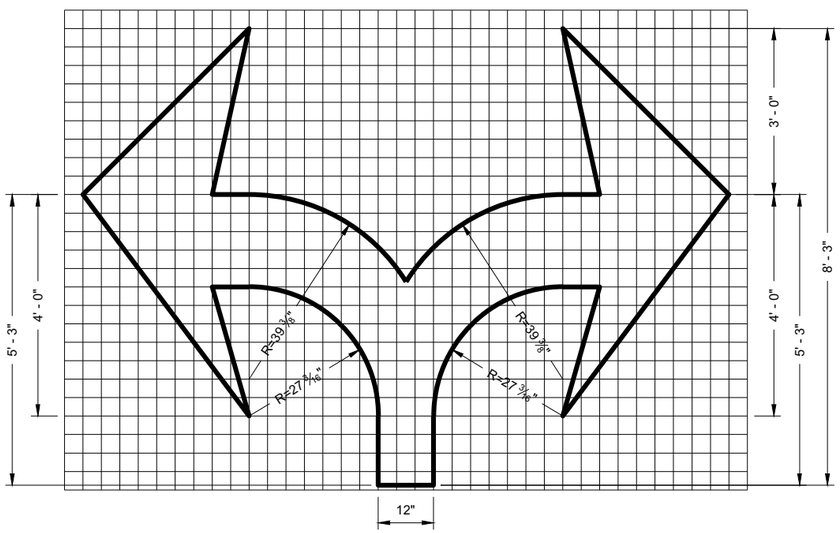
TYPE 4



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MAF ENGINEER

FHWA

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SDD 15C07 - 15c

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SDD 15C07 - 15c

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.

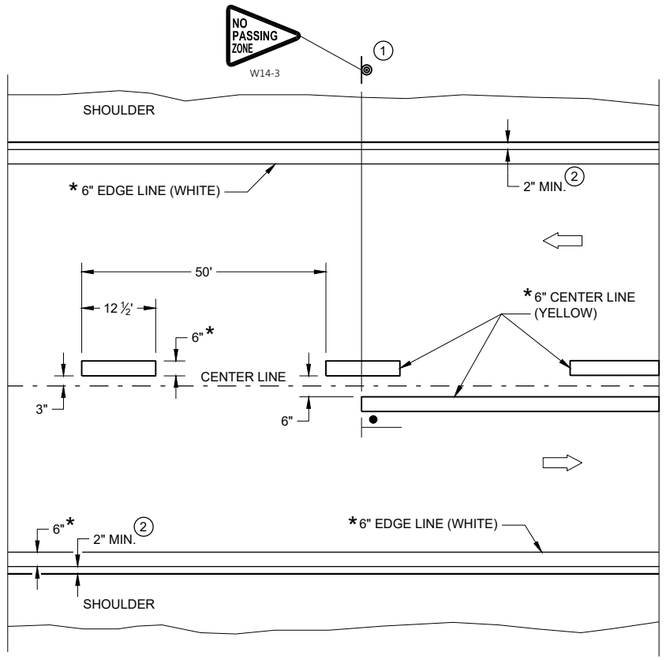
* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

LEGEND

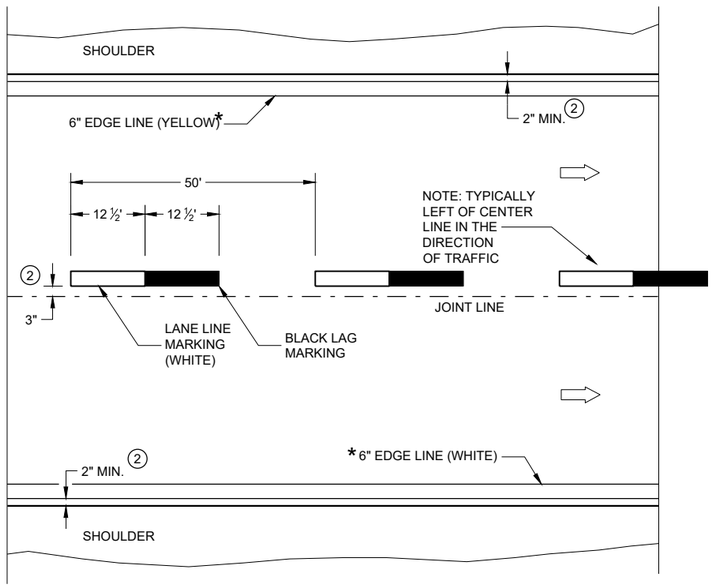
"T" MARKING

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
May 2023 — DATE
/S/ Jeannie Silver — STATEWIDE SIGNING AND M ENGINEER

FHWA

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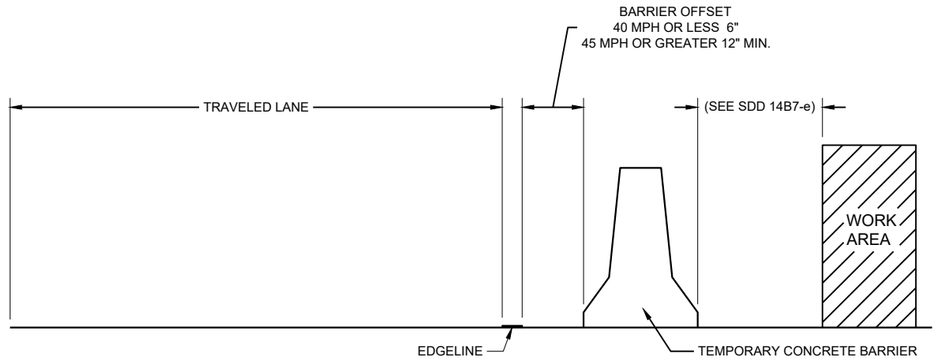
SDD 15C08-23a



TEMPORARY BARRIER OFFSET FROM EDGELINE

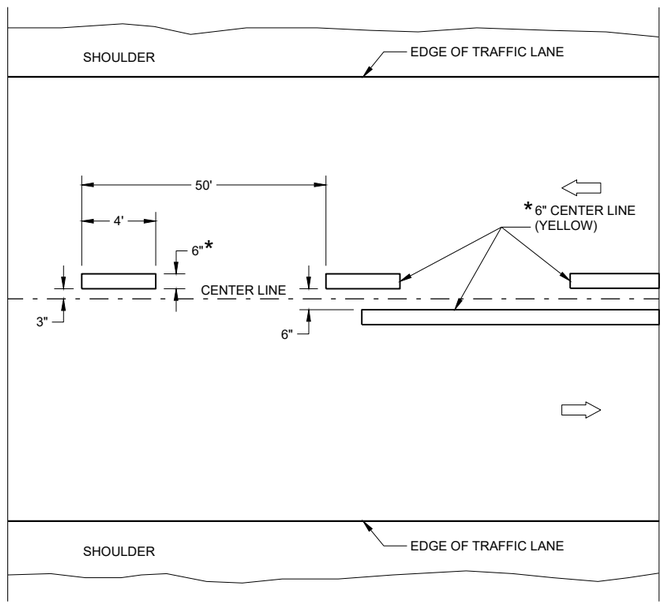
GENERAL NOTES

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

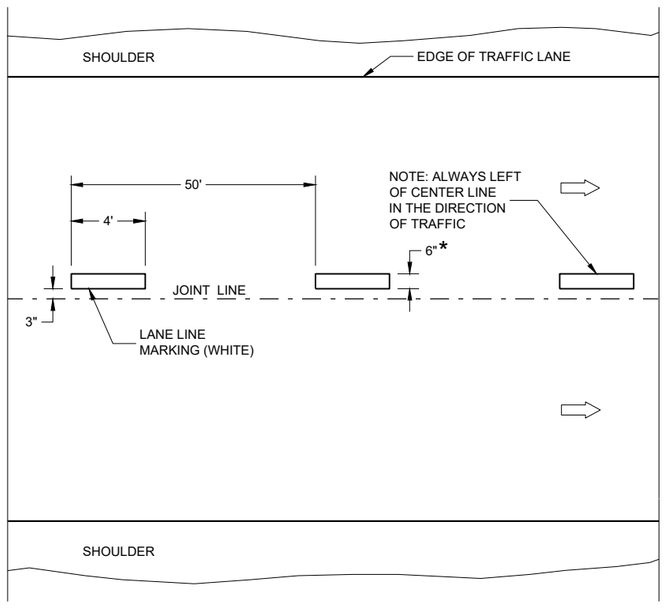
LEGEND

⇨ DIRECTION OF TRAFFIC

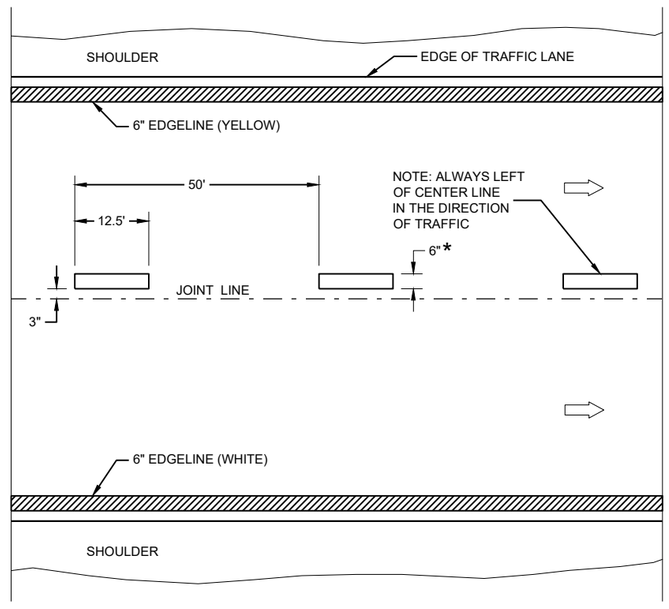
* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



TWO WAY TRAFFIC



ONE WAY TRAFFIC



FREEWAYS AND EXPRESSWAYS

TEMPORARY PAVEMENT MARKING

TEMPORARY LONGITUDINAL PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Jeannie Silver — STATEWIDE SIGNING AND M ENGINEER

FHWA

6

SDD 15C08-23b

6

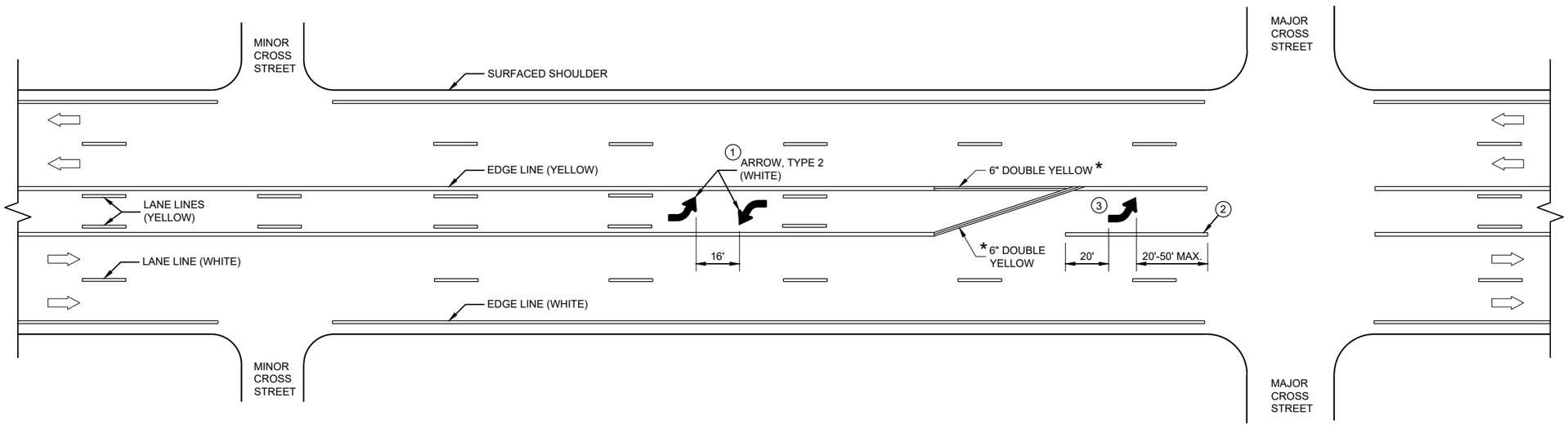
SDD 15C08-23b

GENERAL NOTES

1. A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
2. 10" WHITE
3. TURN BAY LENGTH OF LESS THAN 48' DOES NOT REQUIRE PAVEMENT ARROWS OR TEXT.

⇨ DIRECTION OF TRAFFIC

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



TWO WAY LEFT TURN LANE

6

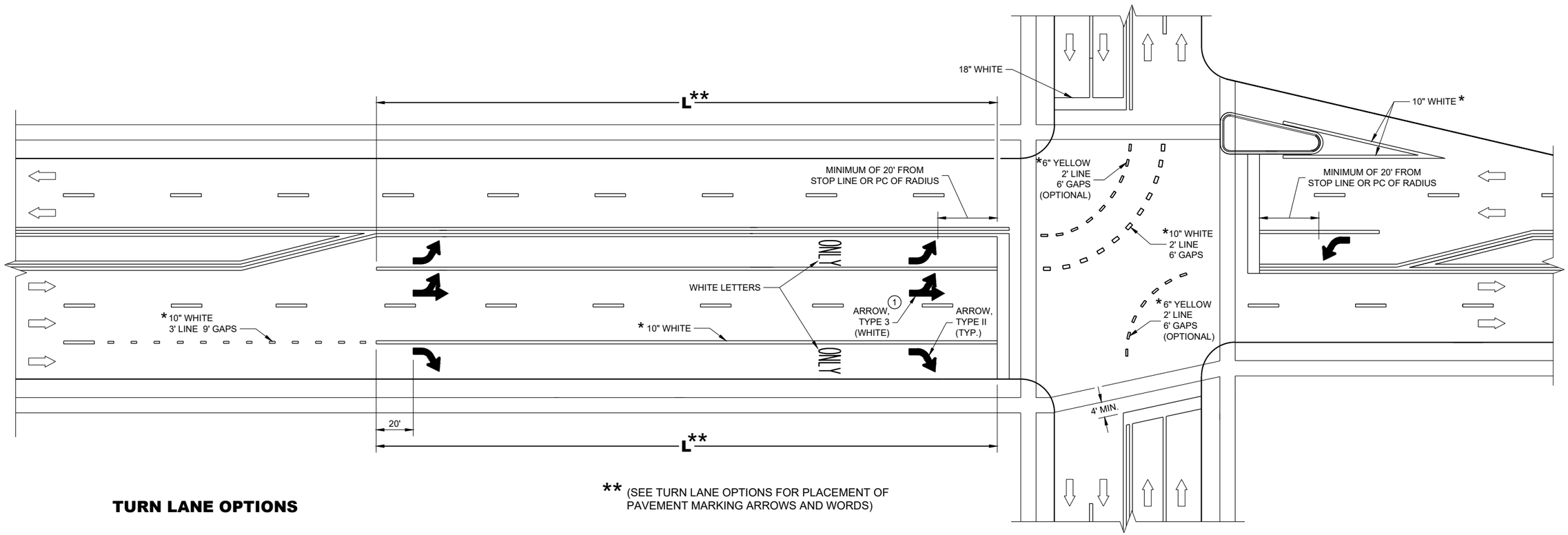
SDD 15C08-23c

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA· 286

6

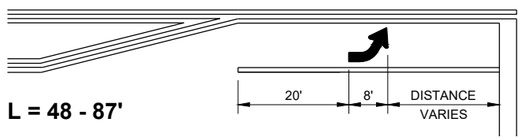
SDD 15C08-23c



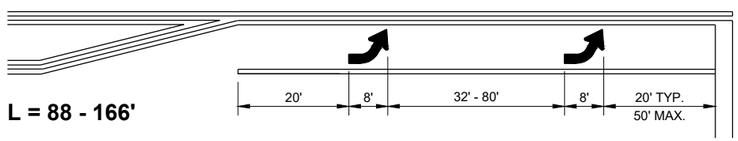
** (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

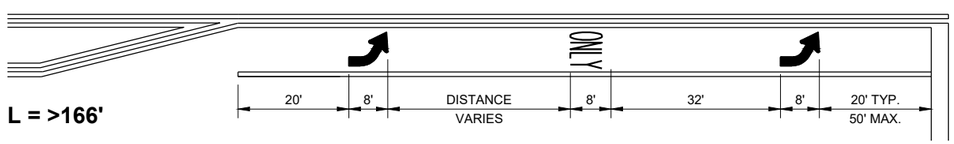
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



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

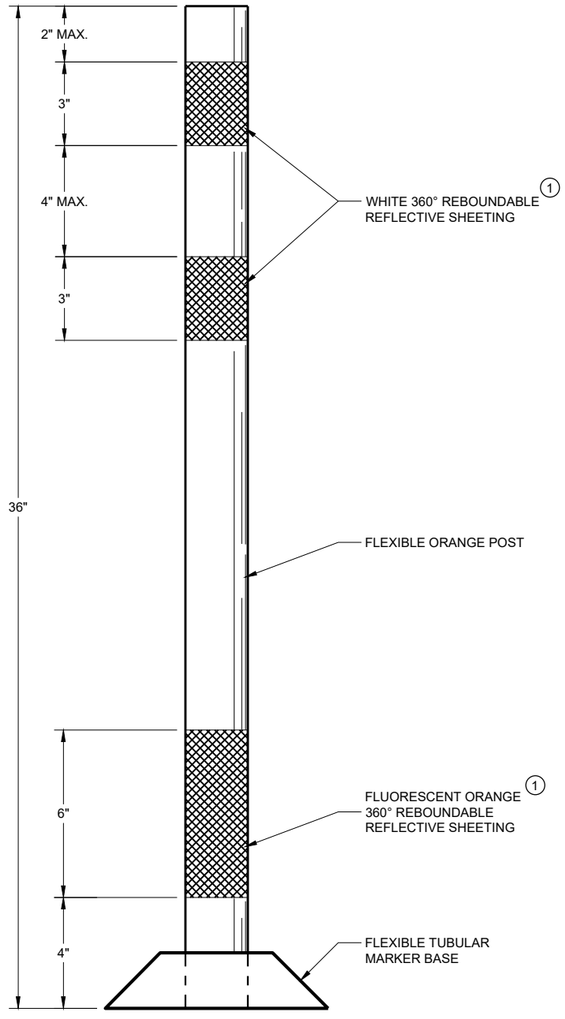
PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15C08-23d

SDD 15C08-23d



FLEXIBLE TUBULAR MARKER POST WORK ZONE

GENERAL NOTES

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

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

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

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

CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

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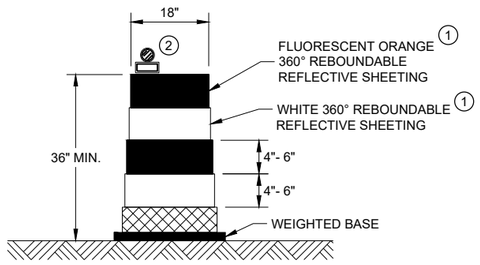
SDD 15C11 - 10a

SDD 15C11 - 10a

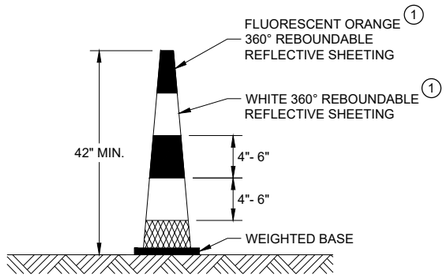
GENERAL NOTES

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

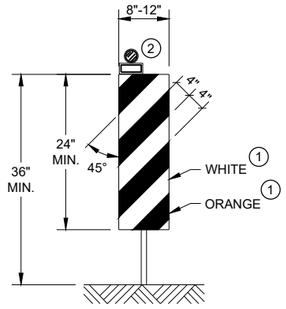
BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE

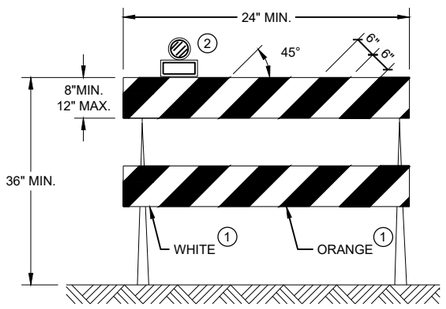
DO NOT USE IN TAPERS
½ SPACING OF DRUMS

BALLAST WIDTHS
RANGE FROM 14"-20"



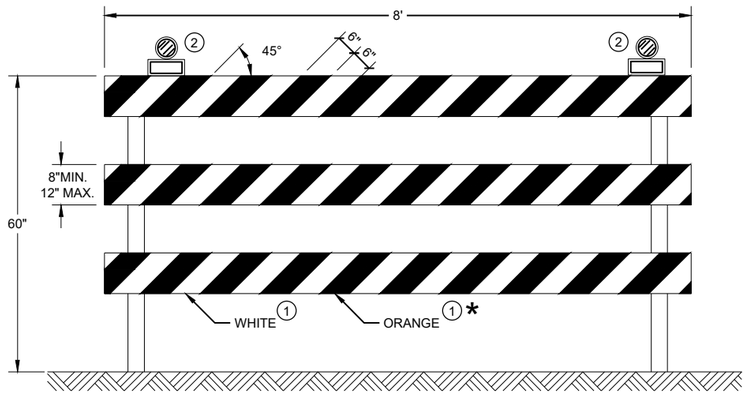
VERTICAL PANEL

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



TYPE II BARRICADE

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



TYPE III BARRICADE

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

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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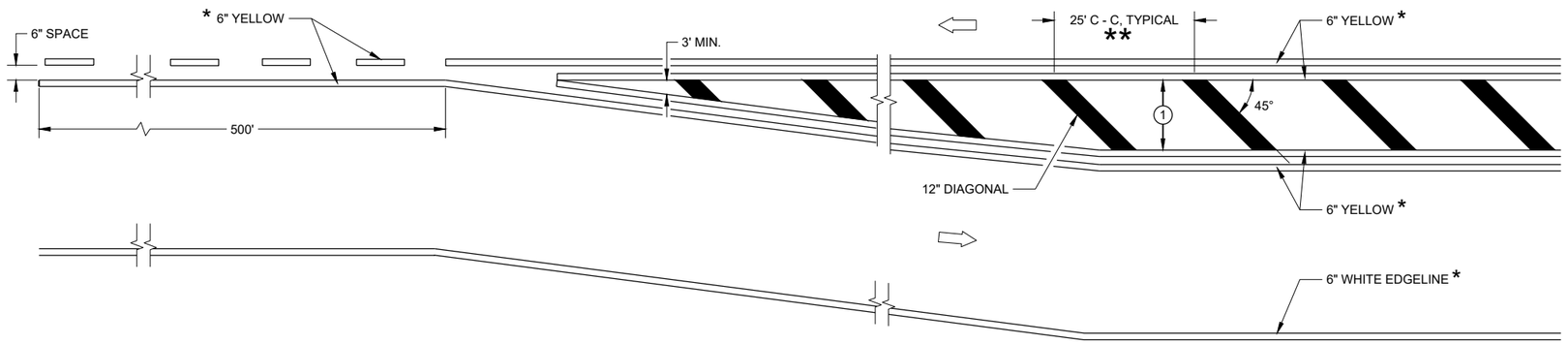
SDD 15C11 - 10b
SDD 15C11 - 10b



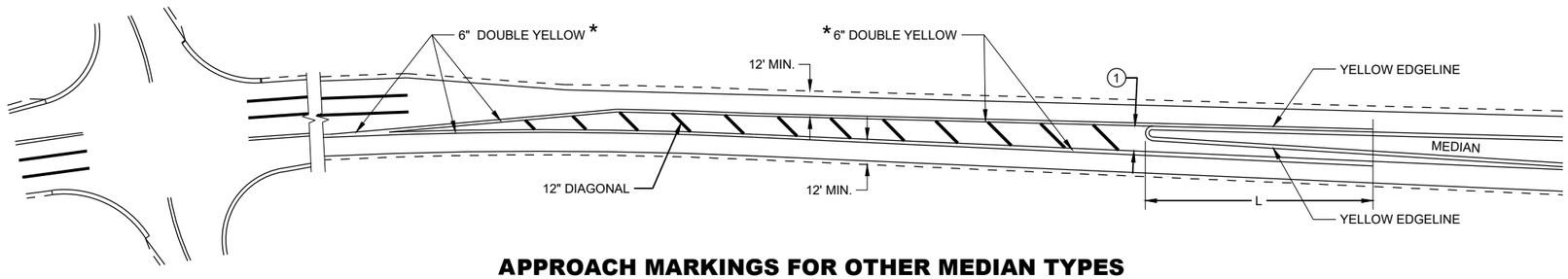
MEDIAN ISLAND DETAIL

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.

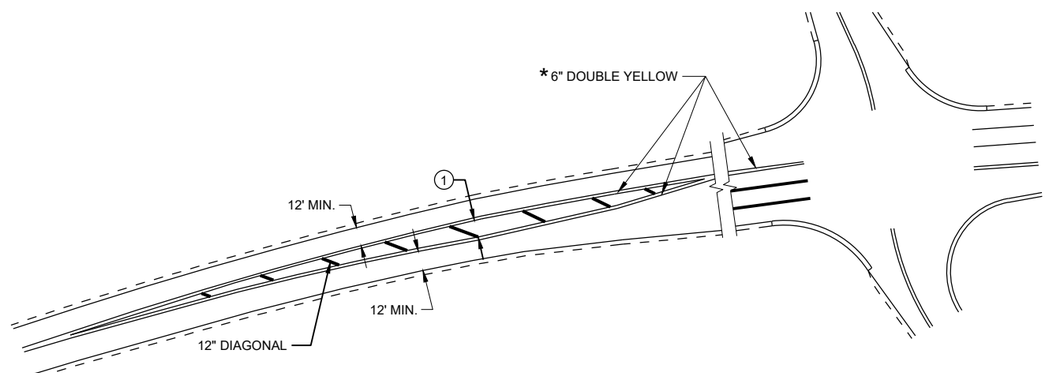
⇨ DIRECTION OF TRAVEL

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



APPROACH MARKINGS FOR OTHER MEDIAN TYPES

SPEED LIMIT	L
<35 MPH	5'
35> MPH	50'



NON-APPROACH MARKINGS

MEDIAN ISLAND PAVEMENT MARKINGS

STATE OF WISCONSIN
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May 2023 — DATE
/S/ Jeannie Silver — STATE SIGNING AND MAF ENGINEER

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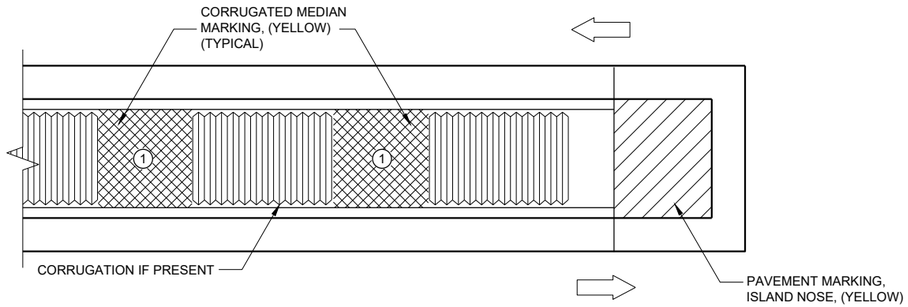
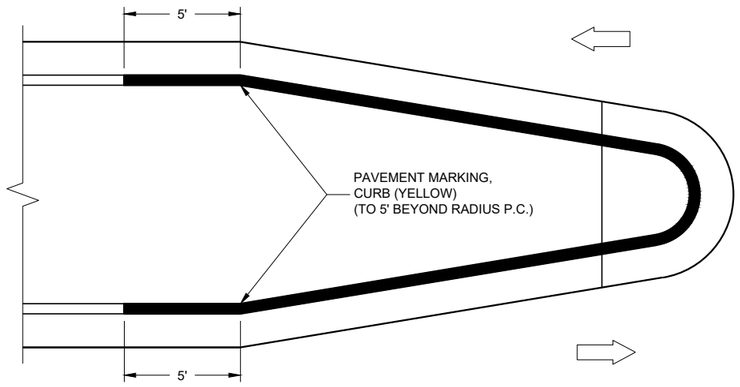
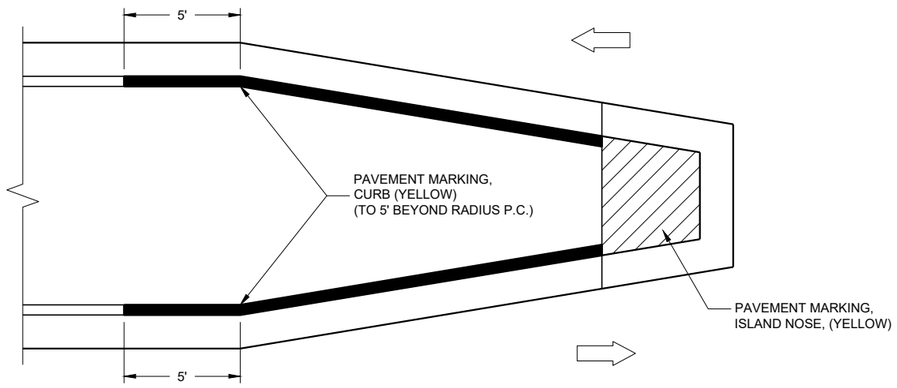


MEDIAN ISLAND WITH SQUARE BLUNT NOSE



MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS

GENERAL NOTES

WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION, YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.

(1) APPLY PAVEMENT MARKING TO THE FLAT PORTION OF CORRUGATED MEDIAN.

ISLAND NOSE MARKING

CURB MARKING

CORRUGATED MEDIAN MARKING

DIRECTION OF TRAVEL

PAVEMENT MARKINGS, MEDIAN ISLAND NOSE

STATE OF WISCONSIN
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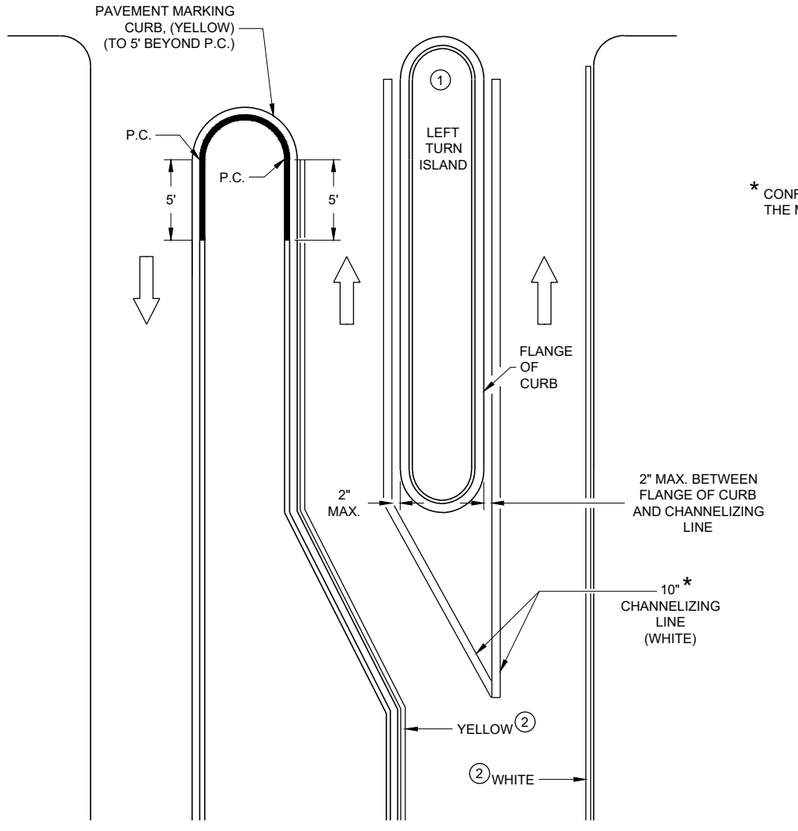
REQUIREMENTS FOR EDGE LINES		
POSTED SPEED	IS THERE CONTINUOUS LIGHTING?	
	YES	NO
≤ 30 MPH	NO	OPTIONAL
35 OR 40 MPH	OPTIONAL	RECOMMENDED
≥ 45 MPH	RECOMMENDED	REQUIRED



* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

LEFT TURN & MEDIAN ISLAND

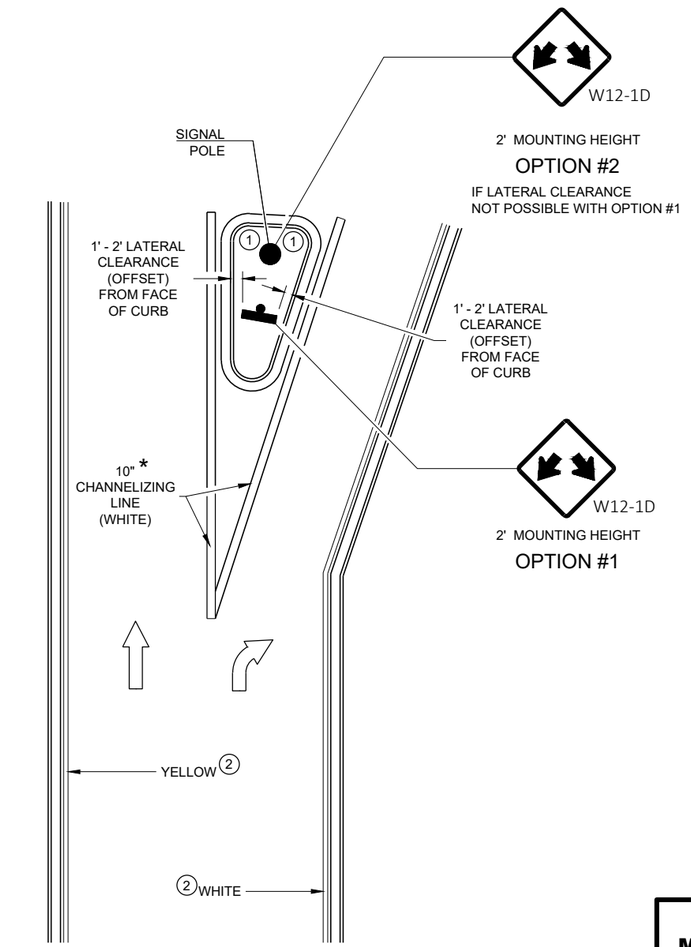
GENERAL NOTES

APPLIES TO ISLANDS AT LEFT TURNS AT ONE WAY ROADWAYS AS WELL.

SEE MISCELLANEOUS QUANTITIES FOR SIGN SIZE.

1. MARK CURB NOSES YELLOW.
2. MARK ACCORDING TO TABLE.

DIRECTION OF TRAVEL



RIGHT TURN ISLAND

MEDIAN PAVEMENT MARKINGS, DOUBLE ARROW WARNING SIGN PLACEMENT

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LEGEND

V1 LEAD VEHICLE

V2 MARKING VEHICLE

V3 SHADOW VEHICLE

TRUCK MOUNTED ATTENUATOR (TMA)

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC

FLASHING ARROW PANEL (CAUTION)

GENERAL NOTES

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

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

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

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

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

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

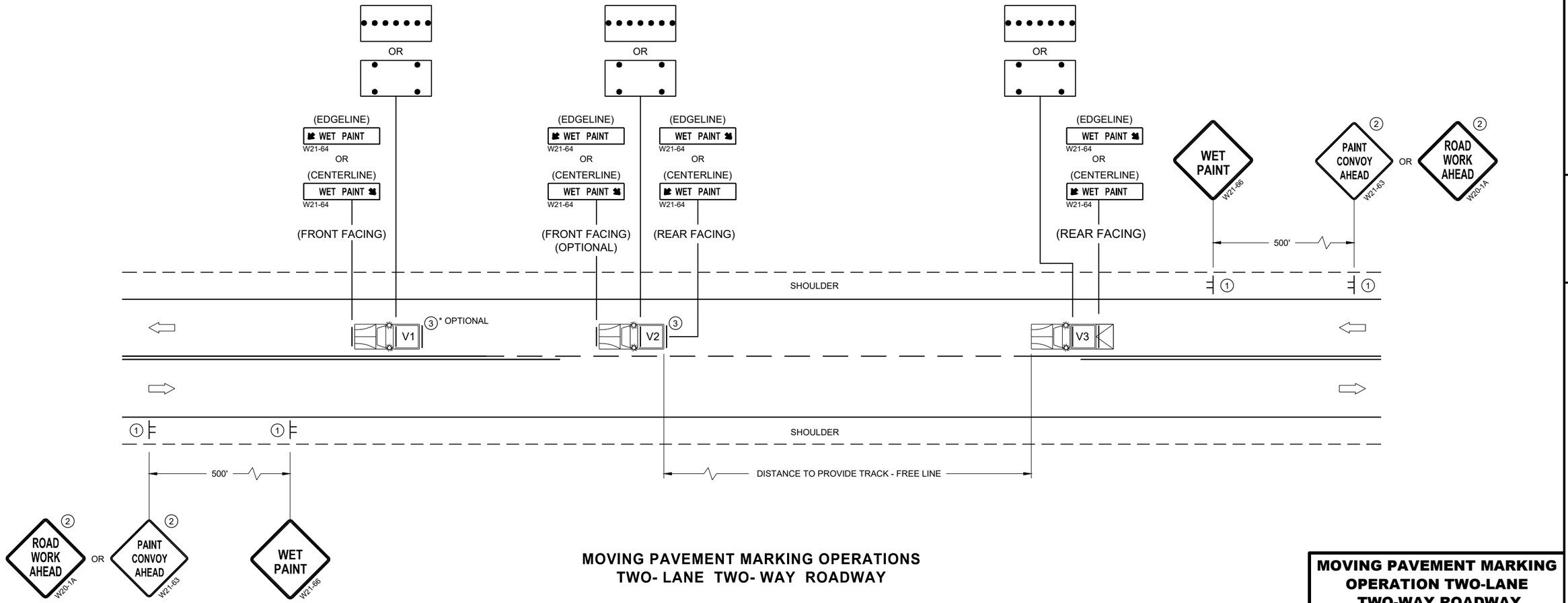
CONES SHOULD BE USED BETWEEN THE MARKING AND SHADOW VEHICLE AT 100 FOOT SPACING. CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

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

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

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

(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

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LEGEND

V1 LEAD VEHICLE

V2 MARKING VEHICLE

V3 SHADOW VEHICLE

TRUCK MOUNTED ATTENUATOR (TMA)

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC

FLASHING ARROW PANEL (MERGE)

FLASHING ARROW PANEL (CAUTION)

GENERAL NOTES

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

ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL. 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.

WHEN WORK ACTIVITY BLOCKS THE LEFT LANE, REVERSE TRAFFIC CONTROL.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, PROVIDE ADDITIONAL TRAFFIC CONTROLS AS SPECIFIED IN THE CONTRACT OR AS APPROVED BY THE ENGINEER.

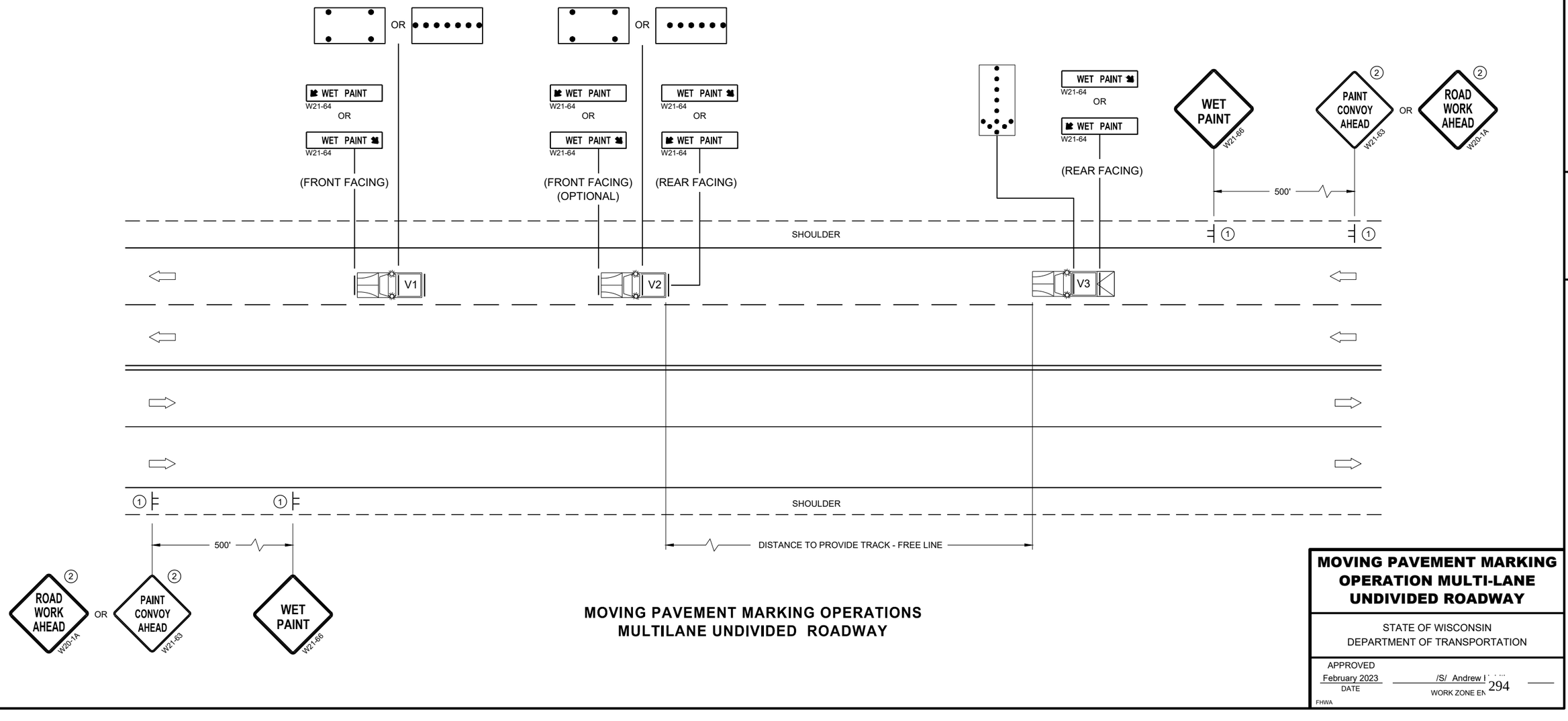
WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC.

CONES SHOULD BE USED BETWEEN THE MARKING AND SHADOW VEHICLES 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 HAVE A MINIMUM HEIGHT OF 28" FOR WET PAVEMENT MARKINGS.

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

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



MOVING PAVEMENT MARKING OPERATIONS MULTILANE UNDIVIDED ROADWAY

MOVING PAVEMENT MARKING OPERATION MULTI-LANE UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2023
DATE

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LEGEND

V1 MARKING VEHICLE

V2 SHADOW VEHICLE

V3 TRAIL VEHICLE

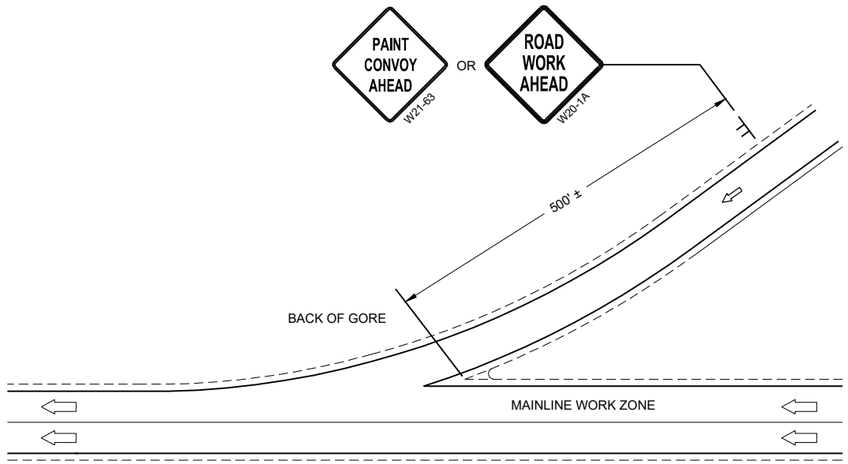
TRUCK MOUNTED ATTENUATOR (TMA)

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC

FLASHING ARROW PANEL (MERGE)

FLASHING ARROW PANEL (CAUTION)



GENERAL NOTES

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

ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL. 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.

WHEN WORK ACTIVITY BLOCKS THE LEFT LANE, REVERSE TRAFFIC CONTROL.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, PROVIDE ADDITIONAL TRAFFIC CONTROLS AS SPECIFIED IN THE CONTRACT OR AS APPROVED BY THE ENGINEER.

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

IF THE SHOULDER IS TOO NARROW TO ACCOMMODATE THE LAST TRAILING VEHICLE, THE VEHICLE SHOULD STRADDLE THE EDGE LINE.

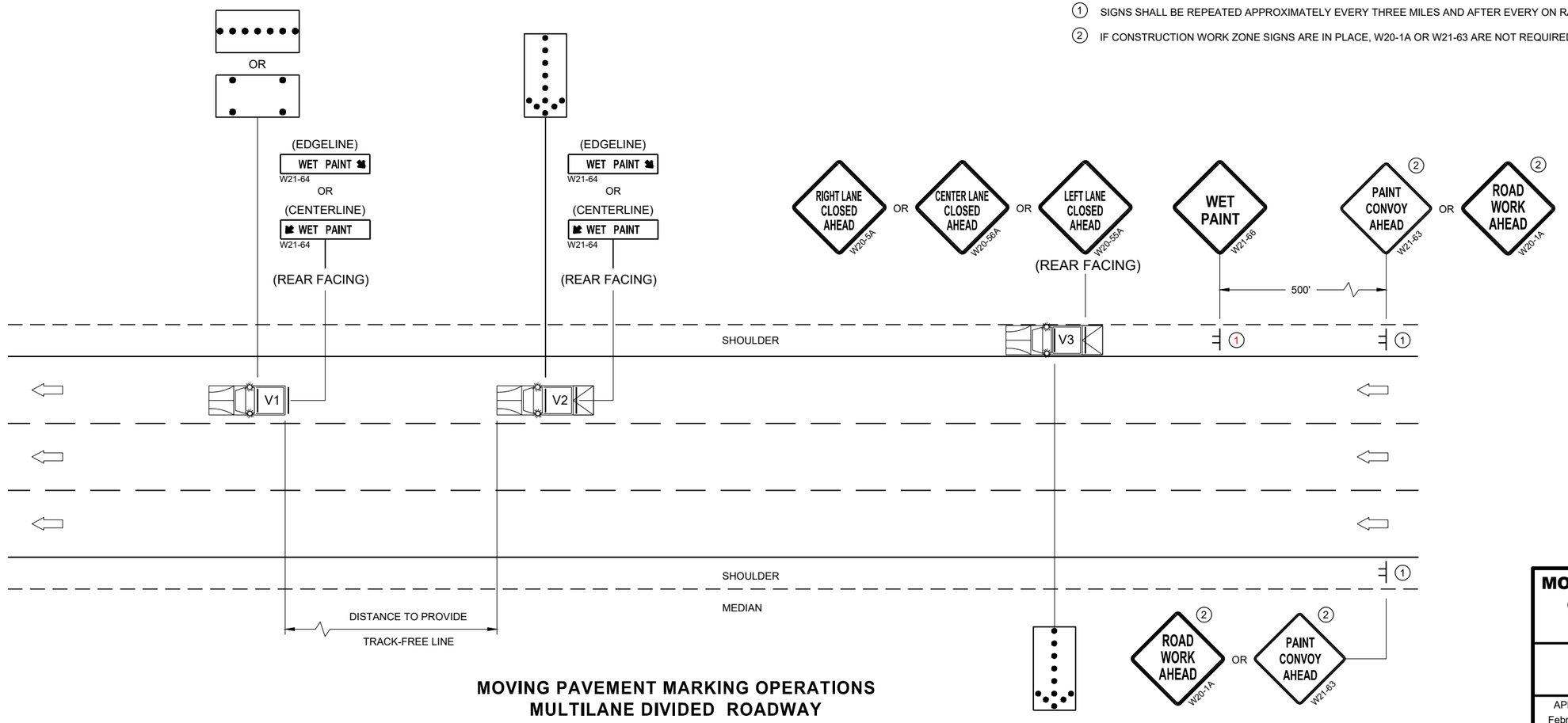
WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC

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

CONES SHALL BE A MINIMUM HEIGHT OF 28" FOR WET PAVEMENT MARKINGS

(1) SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES AND AFTER EVERY ON RAMP.

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



MOVING PAVEMENT MARKING OPERATIONS
MULTILANE DIVIDED ROADWAY

MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2023
DATE

/S/ Andrew [illegible]
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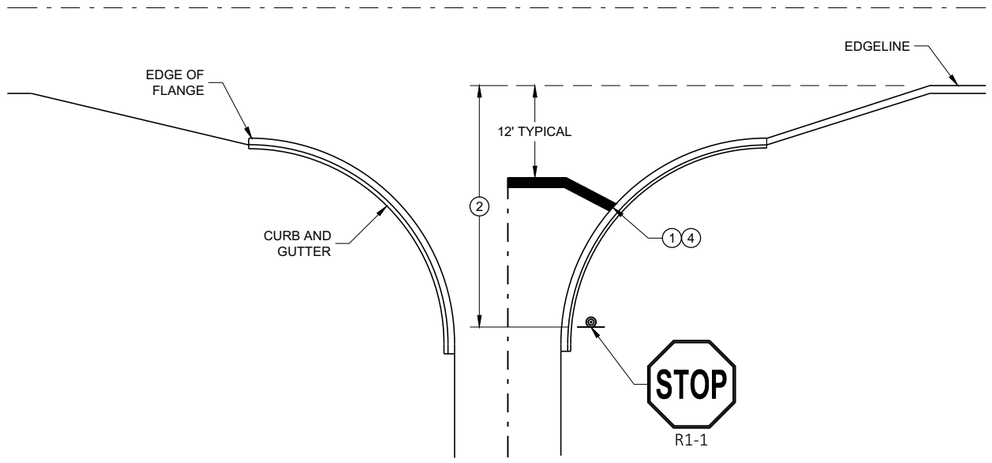
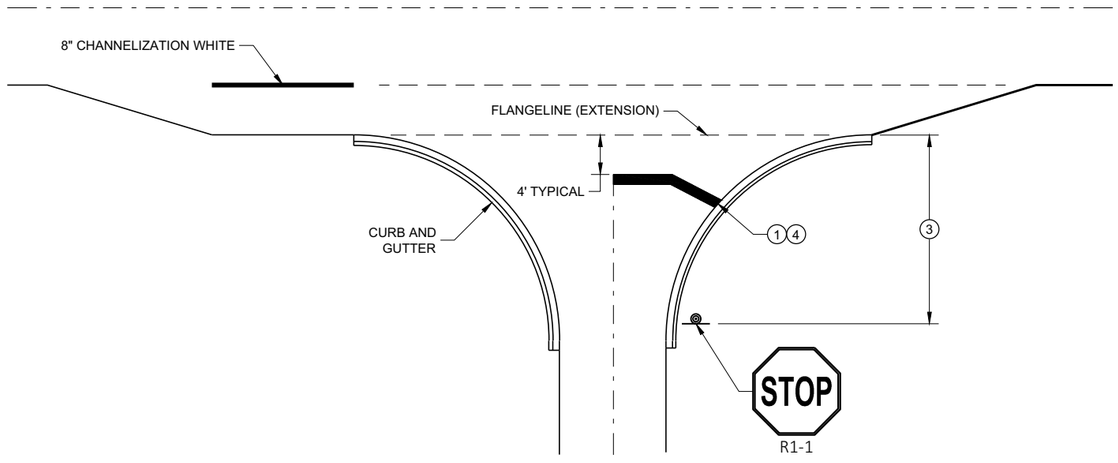
GENERAL NOTES

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

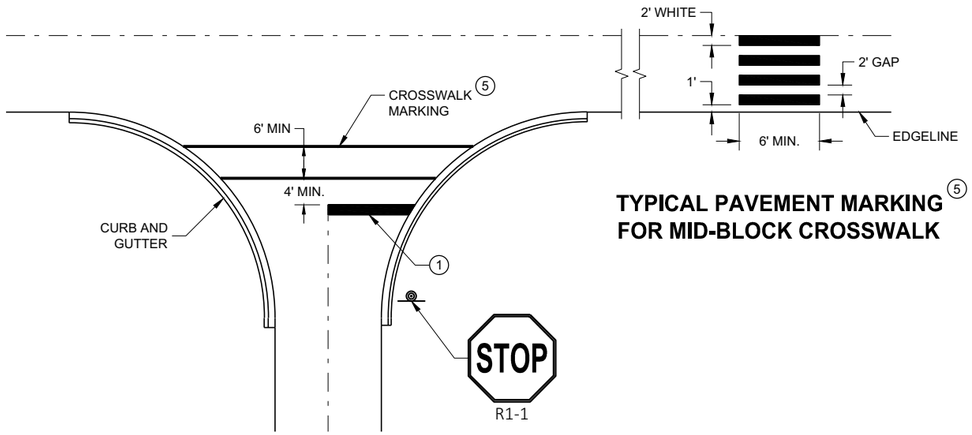
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE 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 INSTEAD.



TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

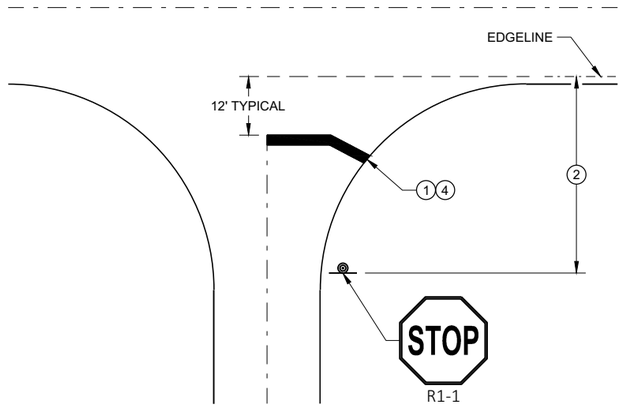


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK 5

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS 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
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

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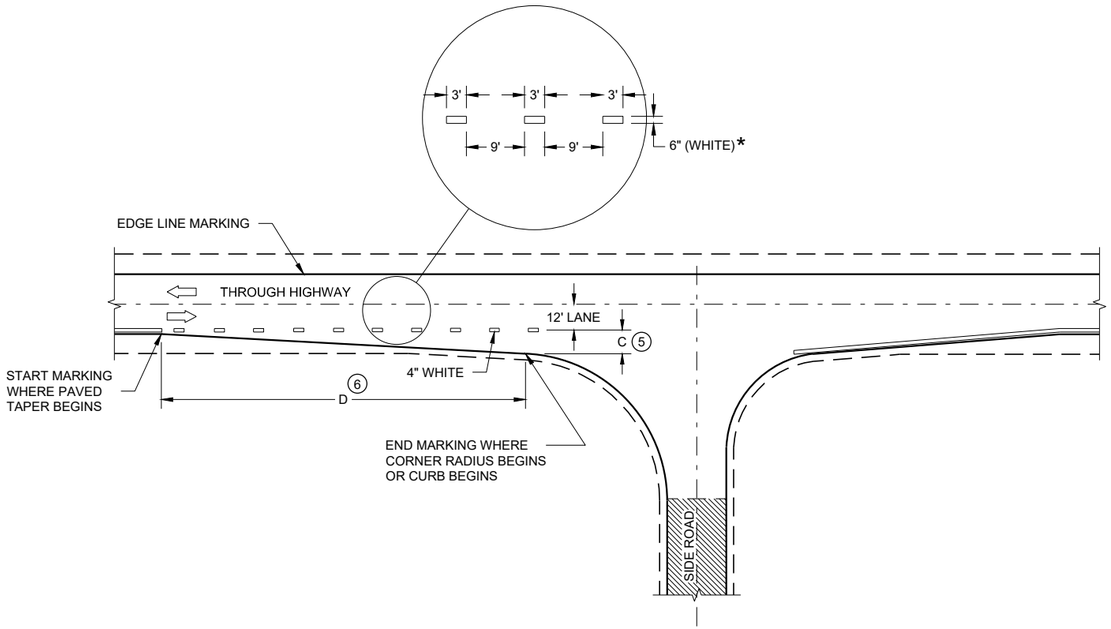
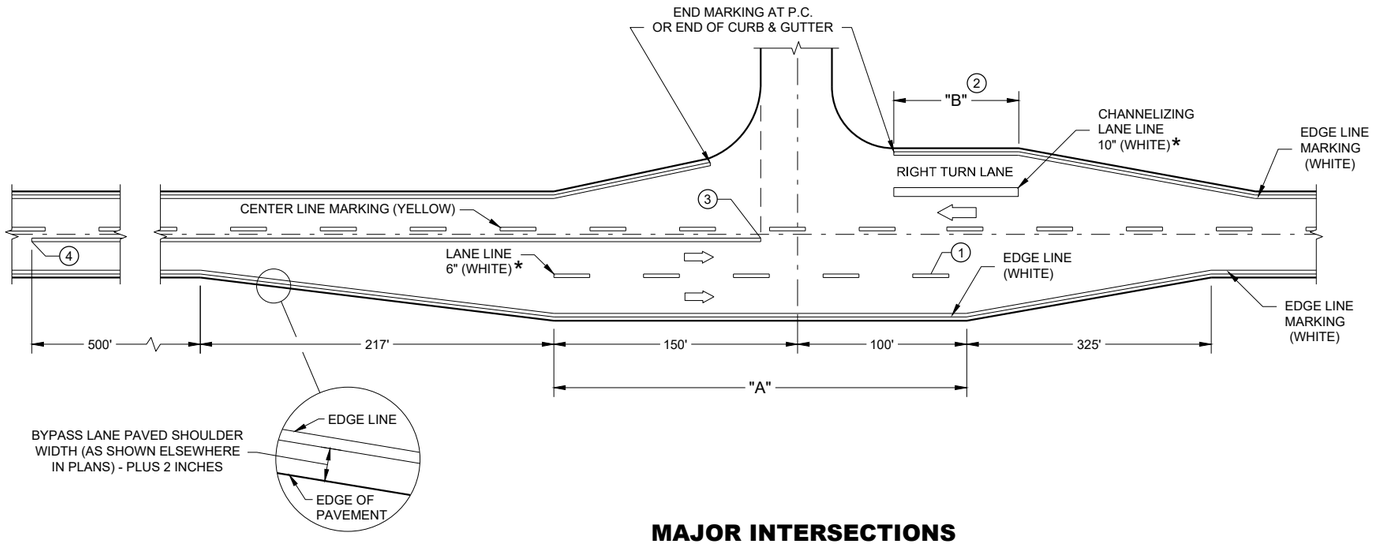


MINOR INTERSECTION



MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

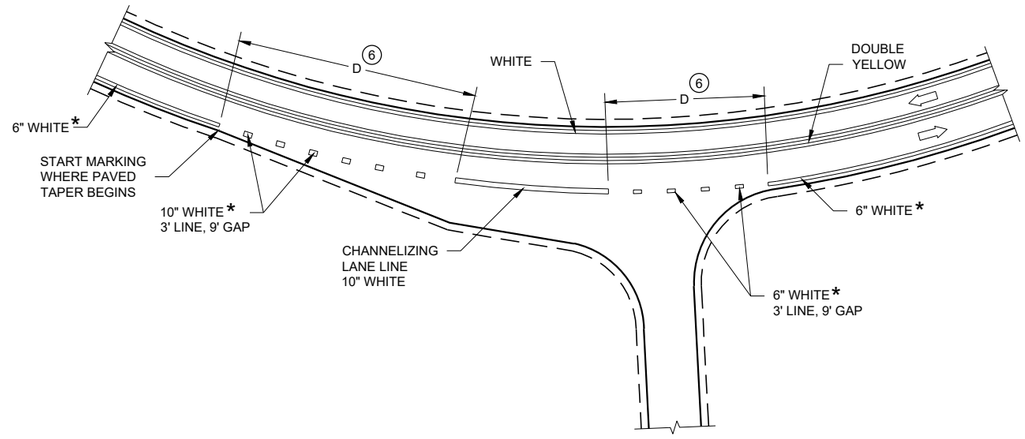
GENERAL NOTES

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

SDD 15C35-06a

PAVEMENT MARKING (INTERSECTIONS)

LEGEND

- SIGN ON PERMANENT SUPPORT
- DELINEATOR, FLEXIBLE/TUBULAR MARKER
- DIRECTION OF TRAFFIC

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

"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. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

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

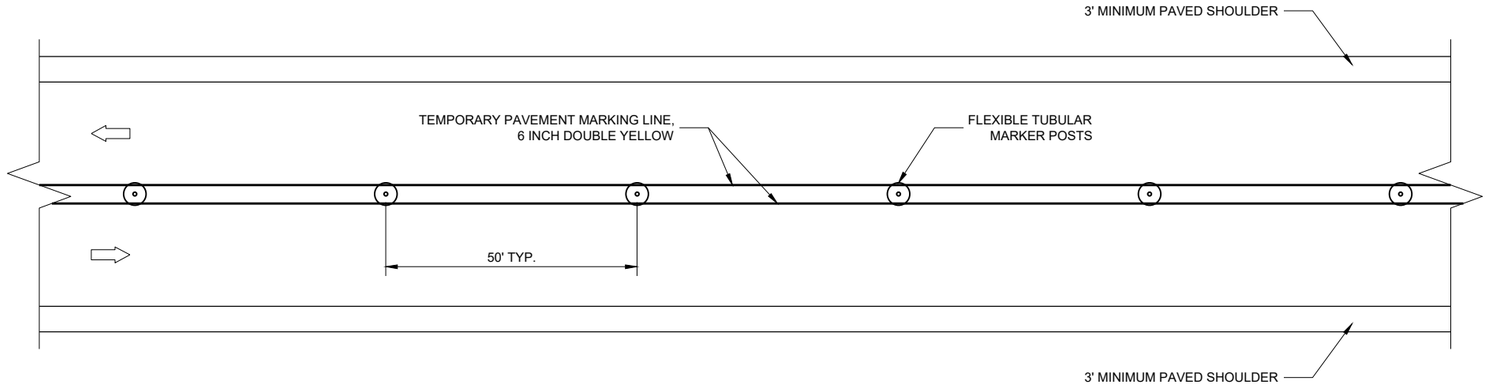
THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS.

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

COVER EXISTING CENTERLINE STRIPE WITH TEMPORARY PAVEMENT MARKING LINE, 6 INCH DOUBLE YELLOW.

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

2. CONVENTIONAL: 24" X 30"
   FREEWAY AND EXPRESSWAY: 36" X 48"



TWO LANE, TWO WAY OPERATION

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SDD 15D06-06

TRAFFIC CONTROL
TWO LANE TWO WAY
OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

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GENERAL NOTES

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

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

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

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

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

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

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

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

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

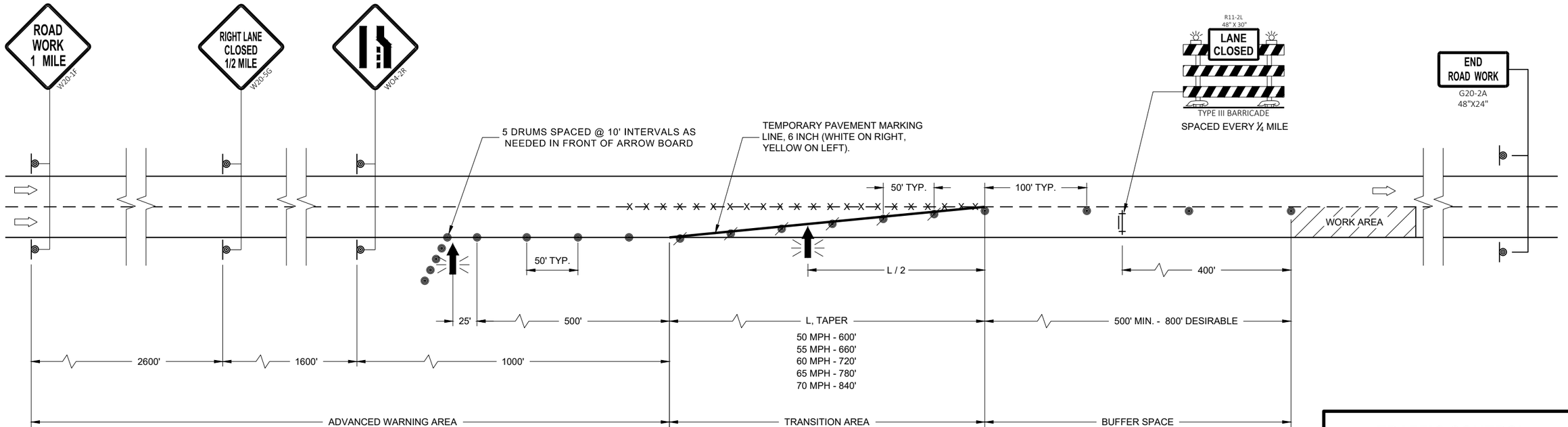
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

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

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- FLASHING ARROW BOARD



TRAFFIC CONTROL LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15D12 - 11a

6

SDD 15D12 - 11a

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- REMOVE PAVEMENT MARKING (SEE GENERAL NOTES)
- WORK AREA

GENERAL NOTES

FOR WORK ON ROADWAYS WITH SPEEDS GREATER THAN 45MPH, USE SDD 15D12.

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

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

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 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. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

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

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

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

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

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

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

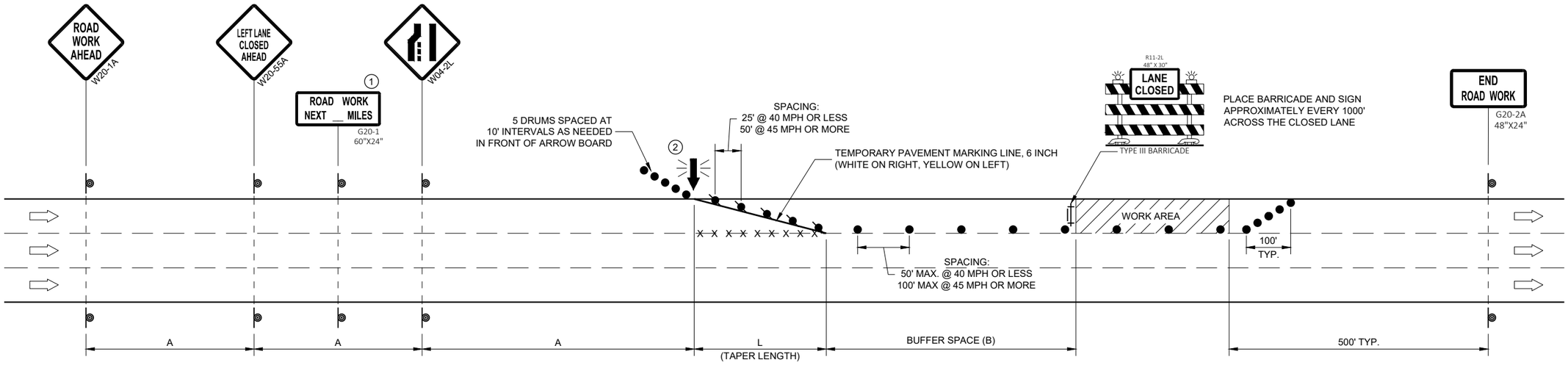
BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

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

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

(2) WHERE THE SHOULDER OR TERRACE HAS INSUFFICIENT SPACE TO PLACE THE ARROW BOARD AS SHOWN, PLACE THE ARROW BOARD AT THE END OF THE TAPER.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15D20-07a

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- REMOVE PAVEMENT MARKING (SEE GENERAL NOTES)
- WORK AREA

GENERAL NOTES

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

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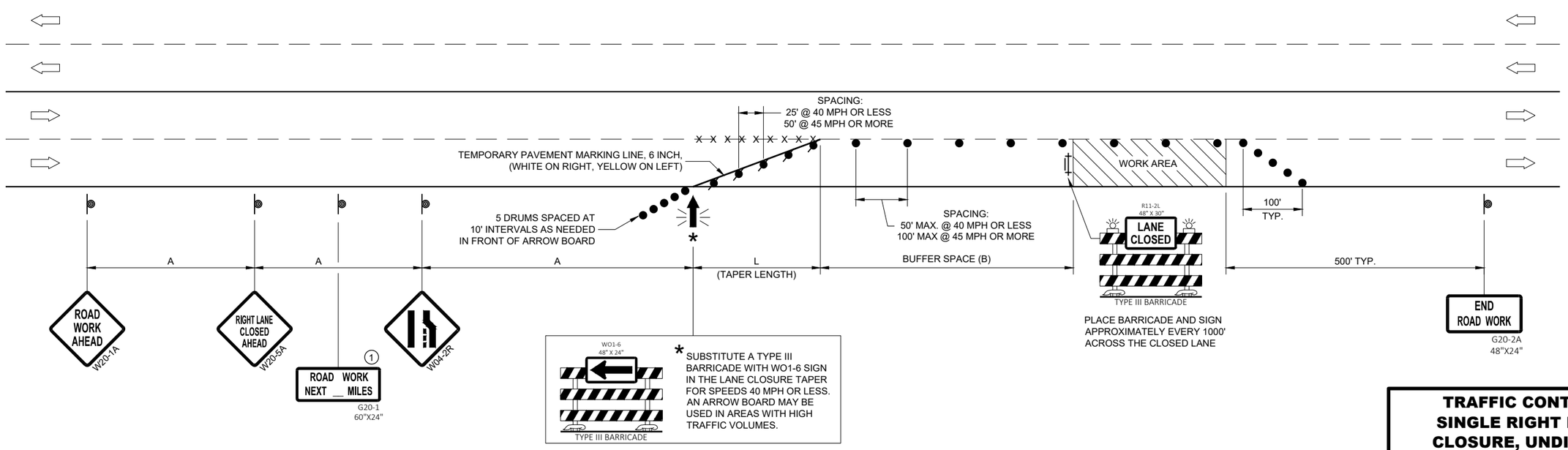

TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15D20-07b
SDD 15D20-07b

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- REMOVE PAVEMENT MARKING (SEE GENERAL NOTES)
- WORK AREA

GENERAL NOTES

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

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DUE TO LACK OF SHOULDER/MEDIAN, ARROW BOARD IS PLACED AT THE THE END OF THE TAPER.

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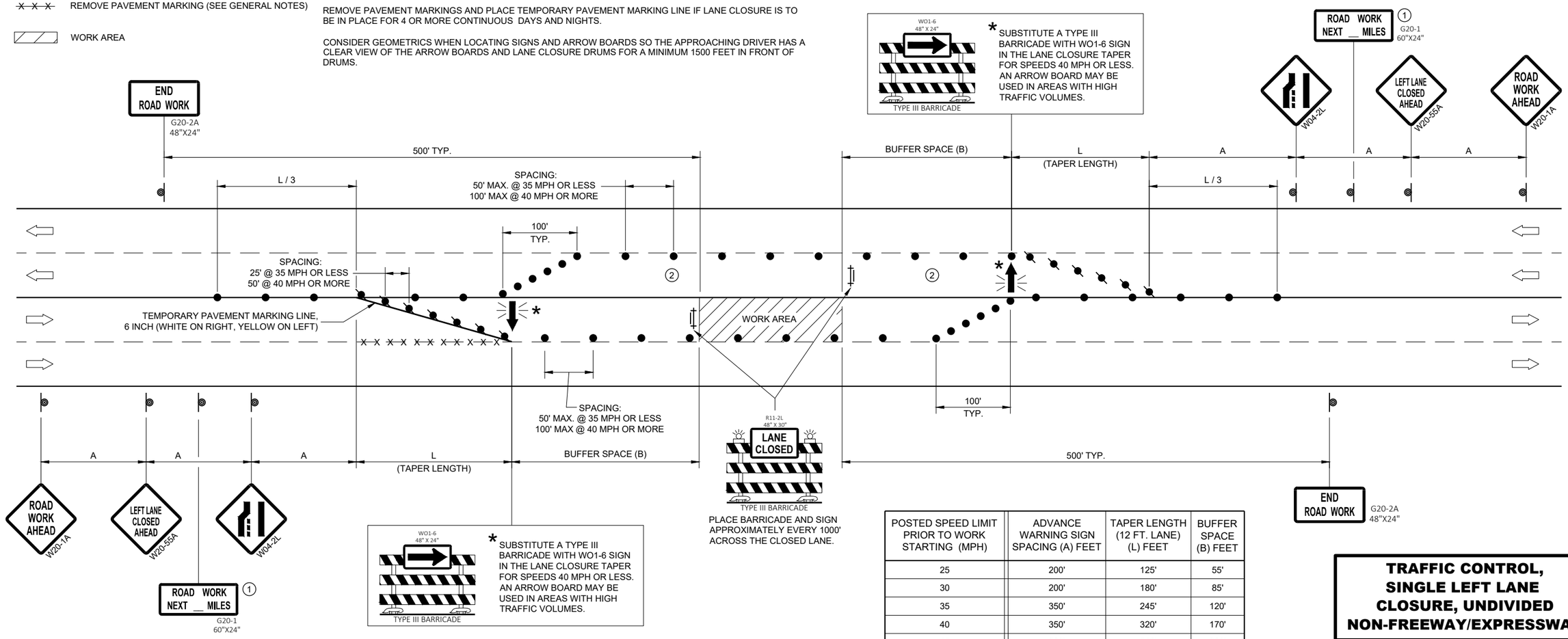
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

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

(2) LANE MAY BE OPENED WHEN WORKERS ARE NOT PRESENT IN THE WORK AREA.



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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15D20-07c

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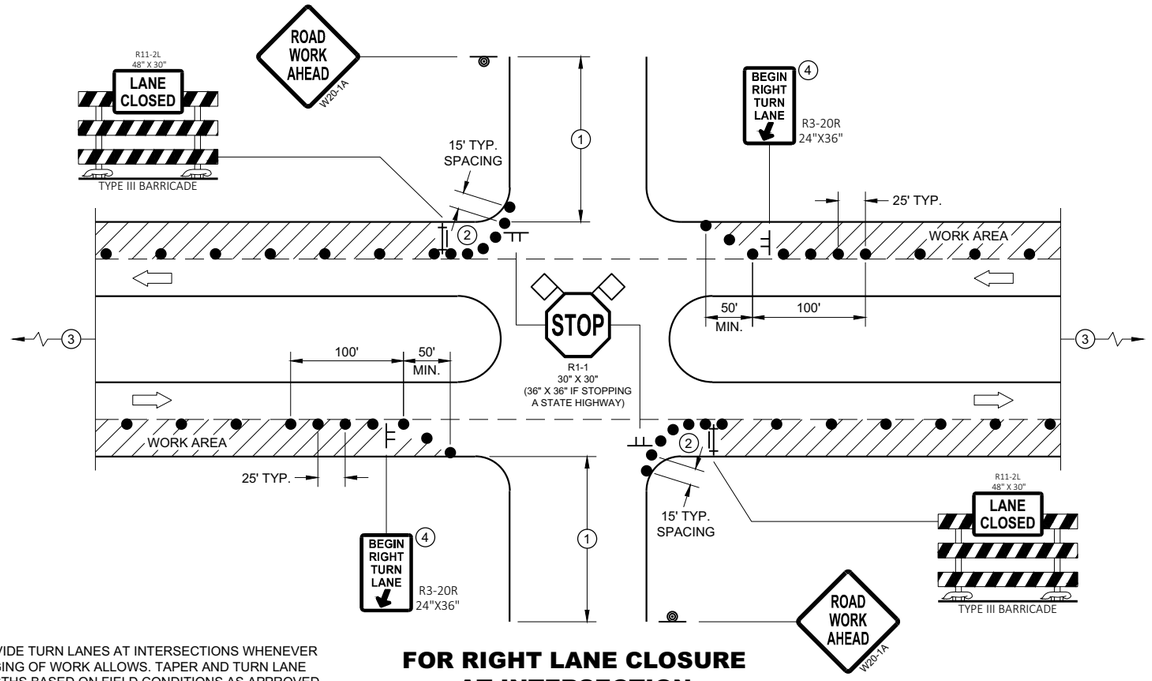
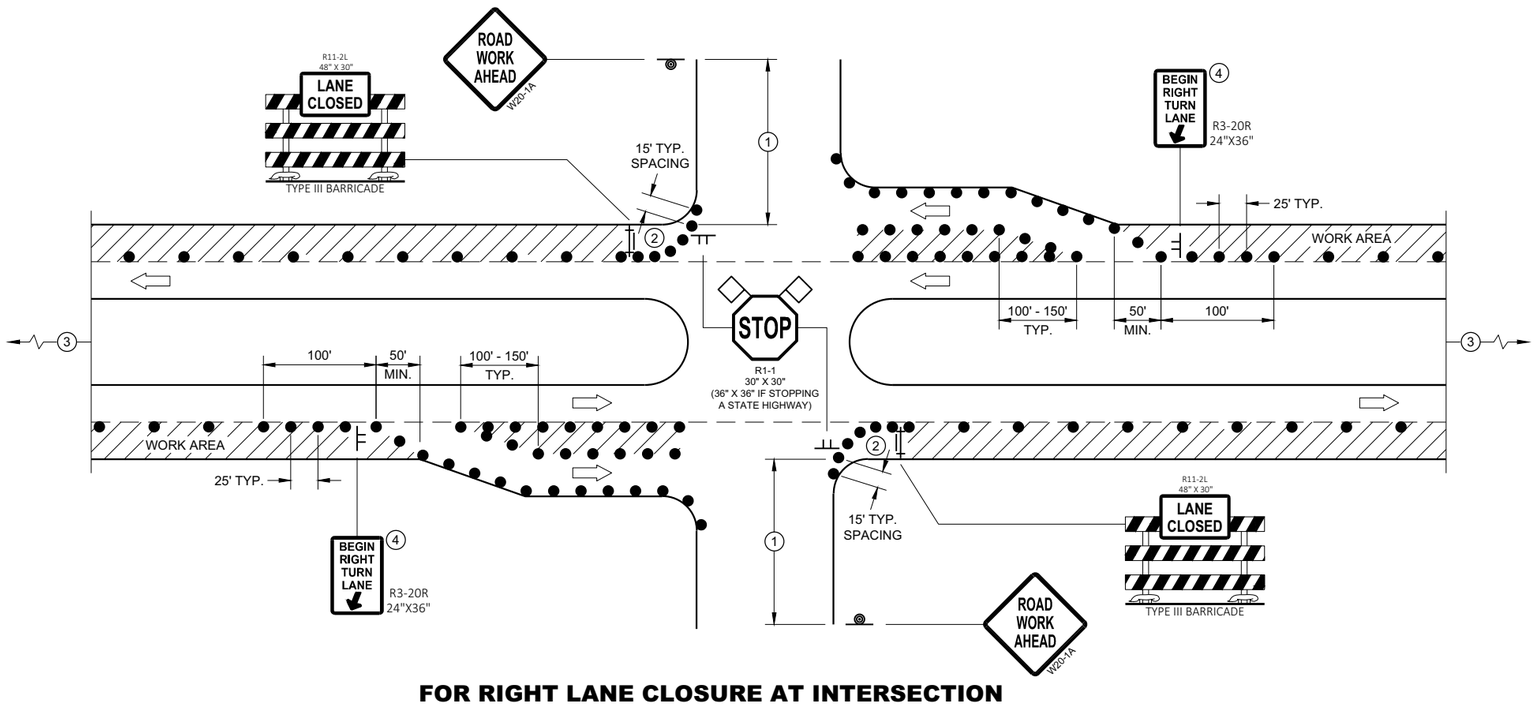
SDD 15D20-07c



FOR RIGHT LANE CLOSURE AT INTERSECTION

PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.



FOR RIGHT LANE CLOSURE AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

GENERAL NOTES

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

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SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

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

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

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

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D21 - 07a

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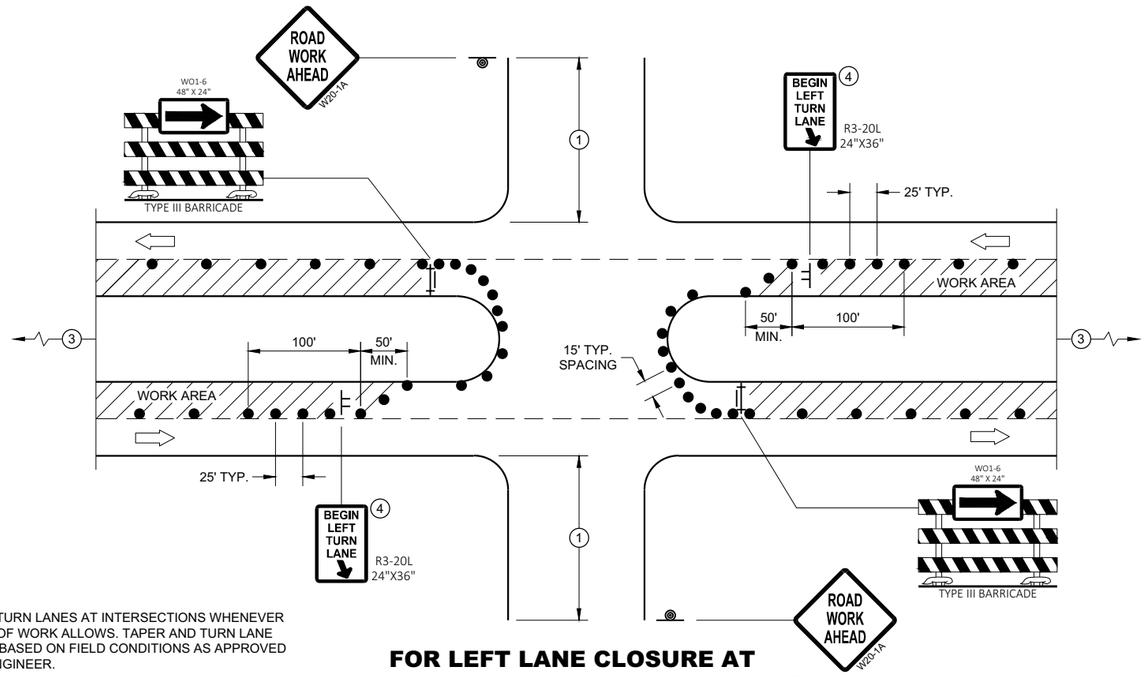
SDD 15D21 - 07a



PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING

GENERAL NOTES

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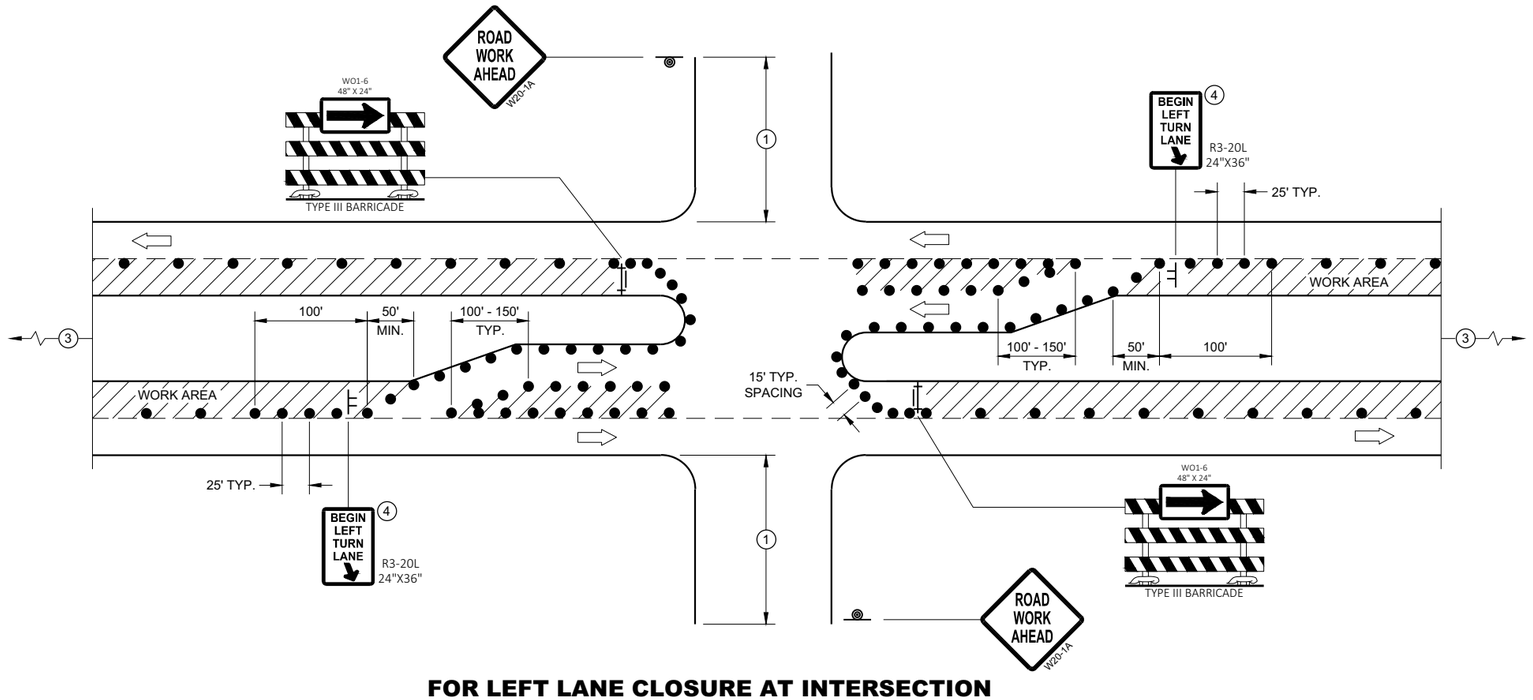


FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING (WITH LEFT TURN BAY OPEN)

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15D21 - 07b

6

SDD 15D21 - 07b

GENERAL NOTES

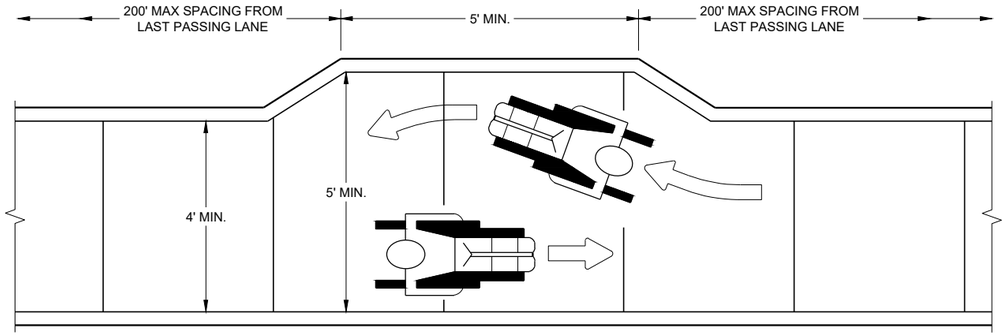
BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

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

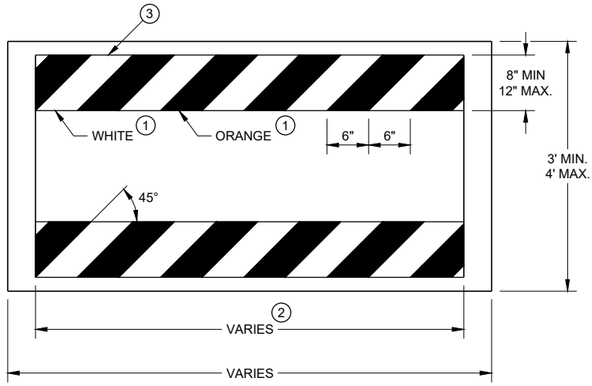
(2) SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.

(3) PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

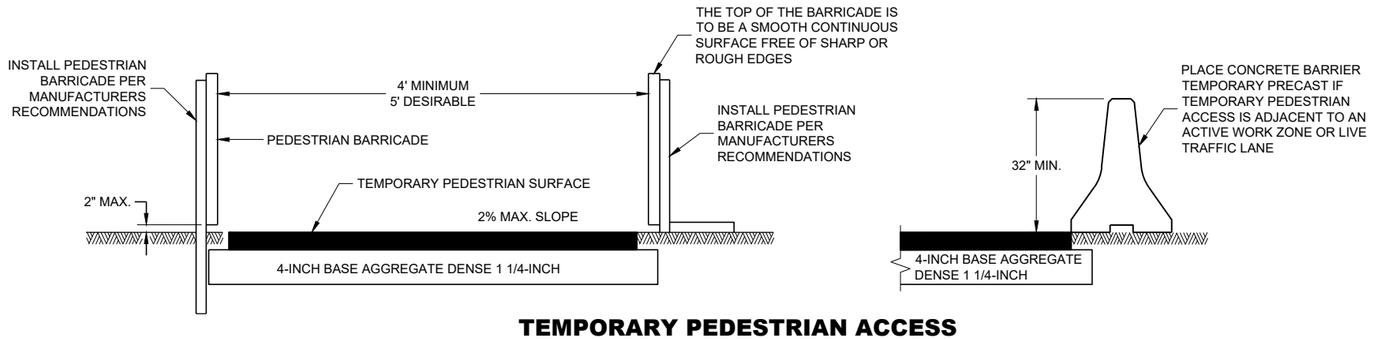
* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.



NARROW SIDEWALK PASSING DETAIL



TEMPORARY PEDESTRIAN BARRICADE*



TEMPORARY PEDESTRIAN ACCESS

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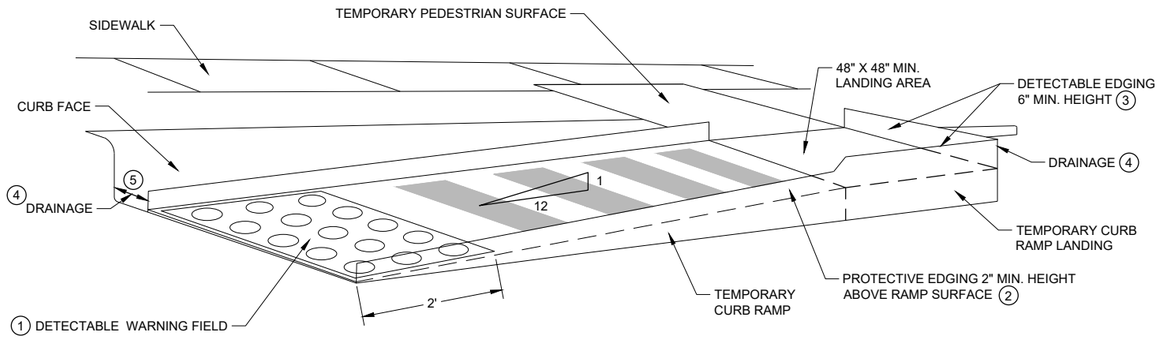
SDD 15D30 - 09a

SDD 15D30 - 09a

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION



PERSPECTIVE VIEW

GENERAL NOTES

CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.

CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.
LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

(1) INSTALL CONTRASTING TEMPORARY DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS, AS SHOWN IN THE PLANS.

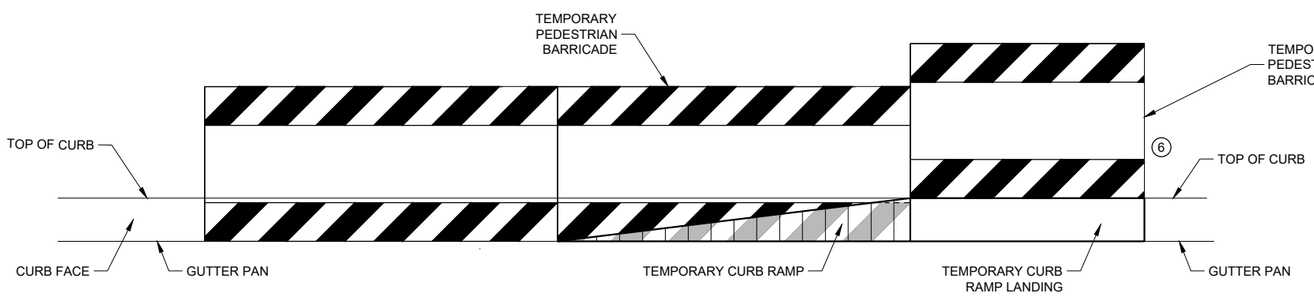
(2) PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

(3) DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

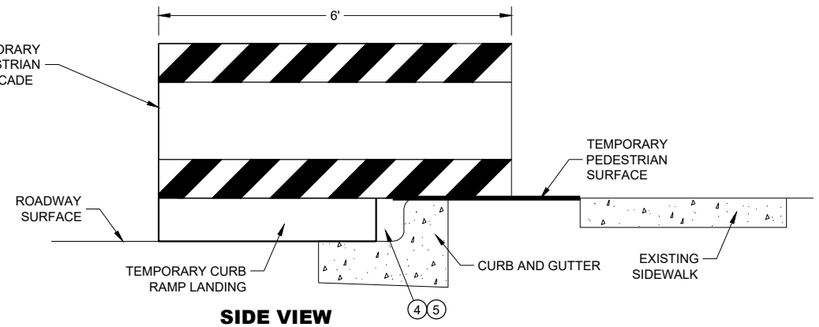
(4) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(5) ENSURE CURB RAMP IS OUT OF THE GUTTER PAN.

(6) IF ONLY PART OF THE END PANEL OF TEMPORARY PEDESTRIAN BARRICADE PANEL IS NEEDED, EXTEND EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL HERE.



FRONT VIEW



SIDE VIEW

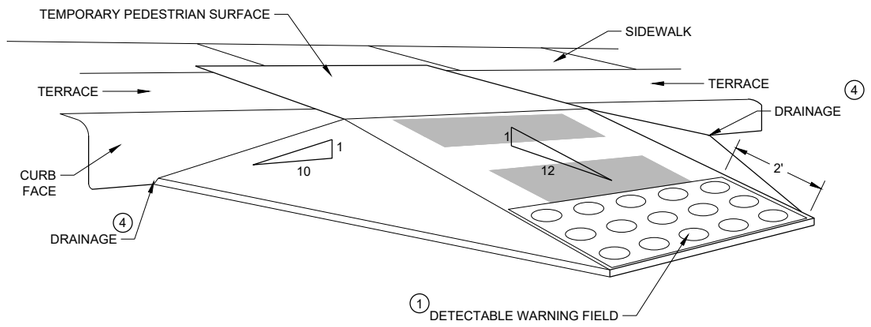
TEMPORARY CURB RAMP PARALLEL TO CURB

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

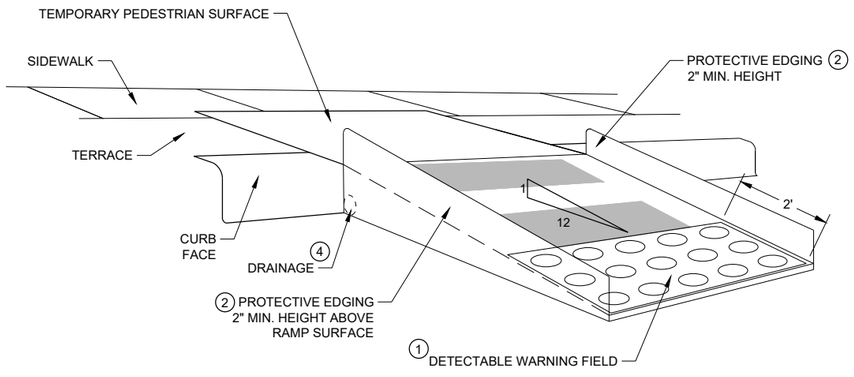
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30 - 09b
SDD 15D30 - 09b



WITH SIDE APRON (5)



WITH PROTECTIVE EDGE

TEMPORARY CURB RAMP PERPENDICULAR TO CURB

GENERAL NOTES

CURB RAMPS SHALL BE 48" MINIMUM WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.

LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

(1) INSTALL CONTRASTING TEMPORARY DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS, AS SHOWN IN THE PLANS

(2) PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

(3) DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

(4) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(5) CAN ONLY BE USED FOR RAMPS WITH 6" OR LESS OF VERTICAL CHANGE.

6

SDD 15D30 - 09c

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

GENERAL NOTES

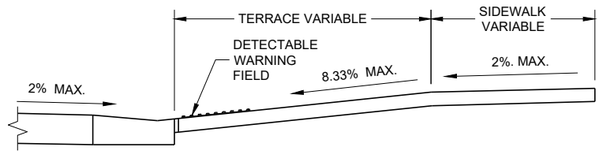
BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

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

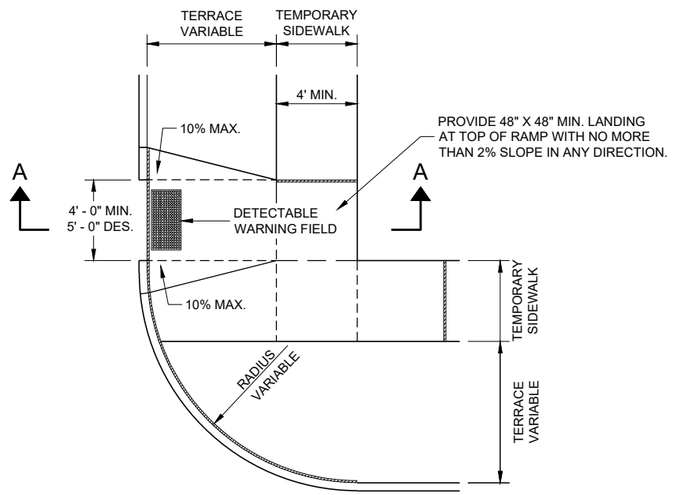
(2) SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.

(3) PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.



SECTION A - A



PLAN VIEW

TEMPORARY TYPE 3 RAMP

(OUTSIDE OF CROSSWALK AREA)

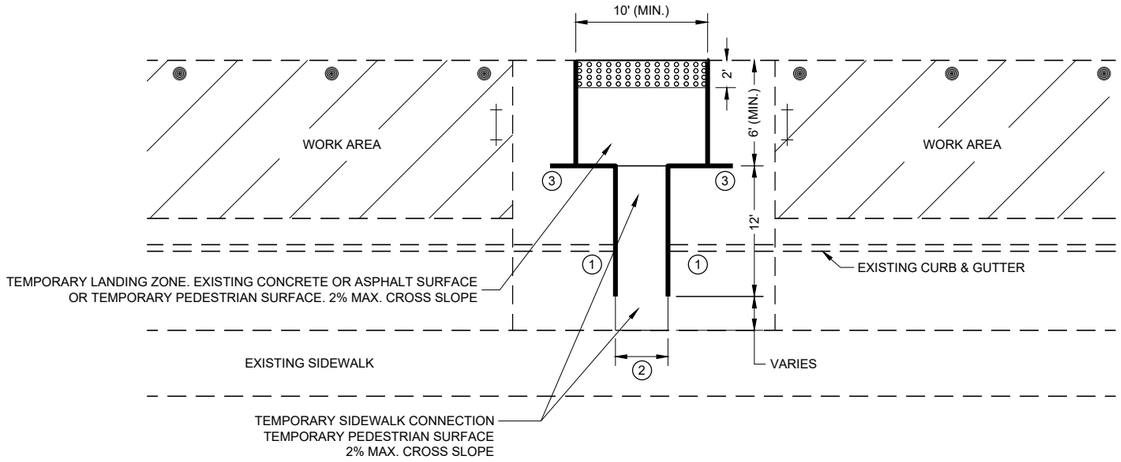
TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

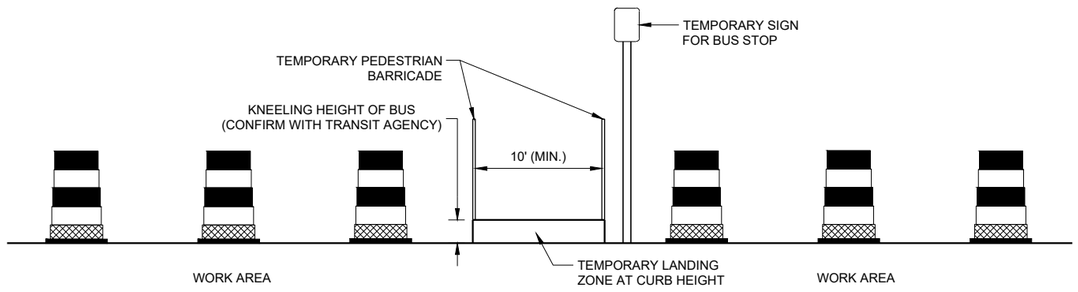
APPROVED
May 2023 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

6

SDD 15D30-09d



PLAN VIEW



PROFILE VIEW

TEMPORARY BUS STOP PAD

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

(1) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(2) 5' WIDE MIN. WITH TEMPORARY PEDESTRIAN BARRICADE, 10' WIDE MIN. WITHOUT TEMPORARY PEDESTRIAN BARRICADE.

(3) PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE INTO THIS SPACE.

LEGEND

- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY DETECTABLE WARNING FIELD
- WORK AREA

6

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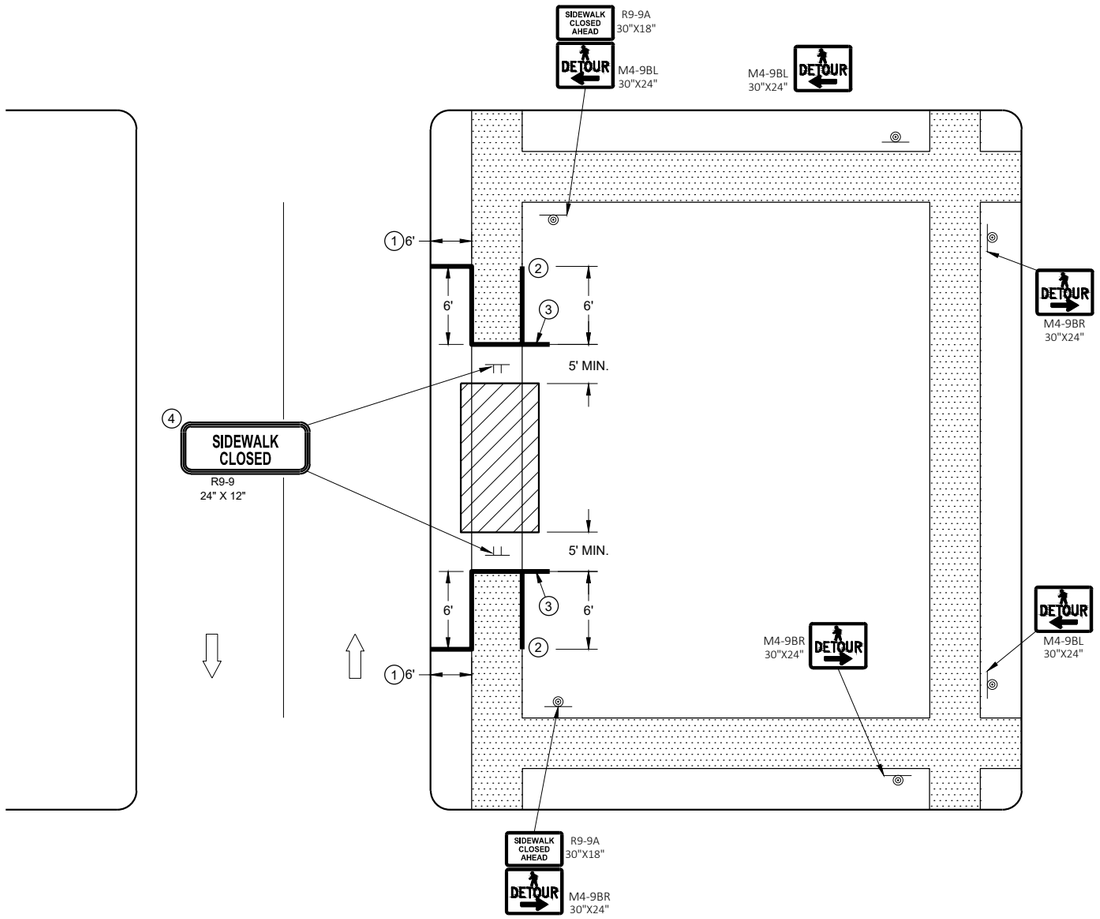
TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC



SIDEWALK DETOUR, SIDEWALK ONLY ON ONE SIDE

GENERAL NOTES

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

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

PLACE TEMPORARY PEDESTRIAN BARRICADE TO FIT FIELD CONDITIONS, AVOIDING CONFLICTS WITH DRIVEWAYS AND OTHER EXISTING FEATURES.

1. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
2. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
3. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
4. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

6

SDD 15D30 - 09f

LEGEND

- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- UNDER PEDESTRIAN TRAFFIC
- TEMPORARY PEDESTRIAN SURFACE
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

GENERAL NOTES

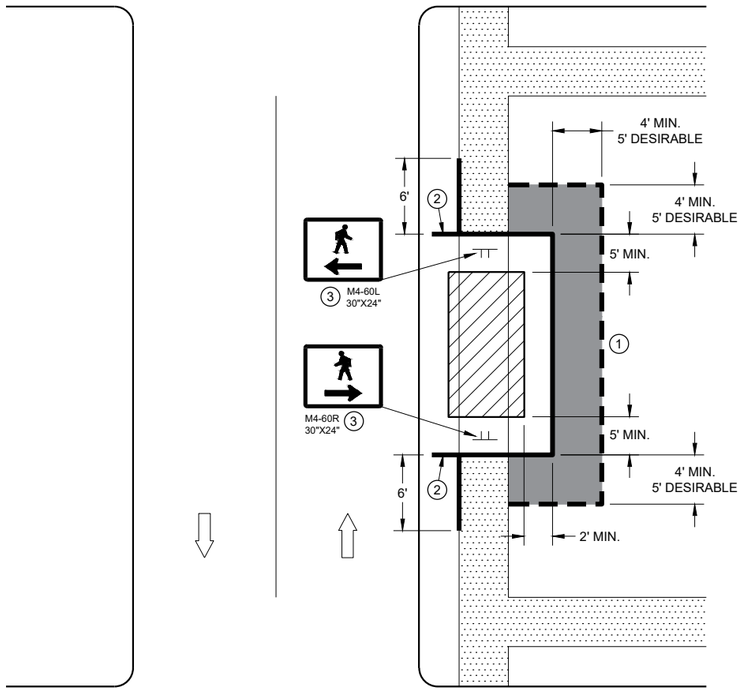
TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

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

1. USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.
2. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
3. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.



SIDEWALK DIVERSION
SINGLE SIDE

6

SDD 15D30 - 09g

TRAFFIC CONTROL,
PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD15D30 - 09g

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- UNDER PEDESTRIAN TRAFFIC
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

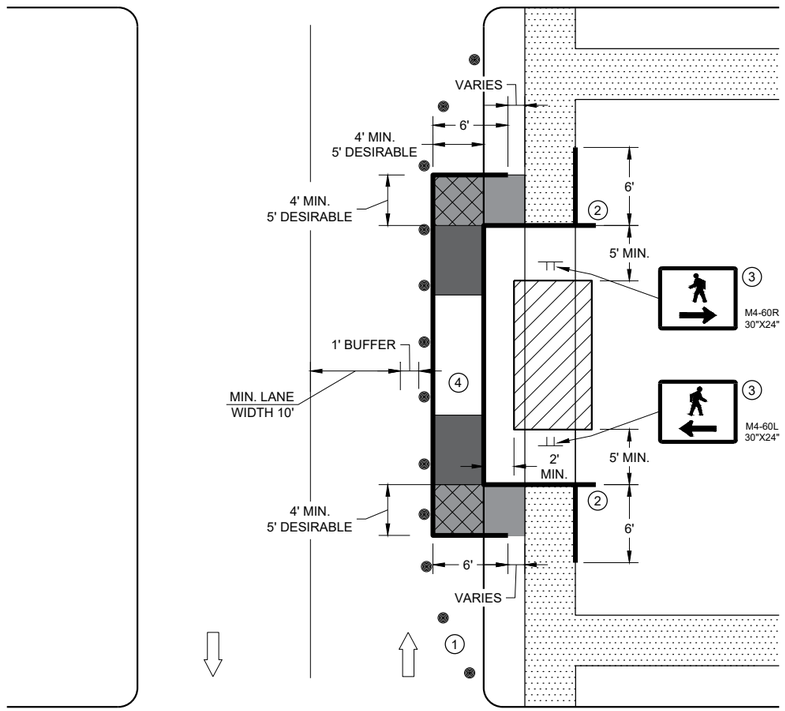
WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

(1) SHOULDER OR LANE CLOSURE ADVANCE WARNING AND BUFFER SPACE REQUIRED.

(2) PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL PAST THE SIDEWALK ON THE SIDE AWAY FROM THE ROAD.

(3) MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

(4) USE EXISTING PAVEMENT SURFACE. IF EXISTING PAVEMENT SURACE HAS BEEN REMOVED, USE A TEMPORARY PEDESTRIAN SURFACE.



SIDEWALK DIVERSION, SINGLE SIDE

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30 - 09h

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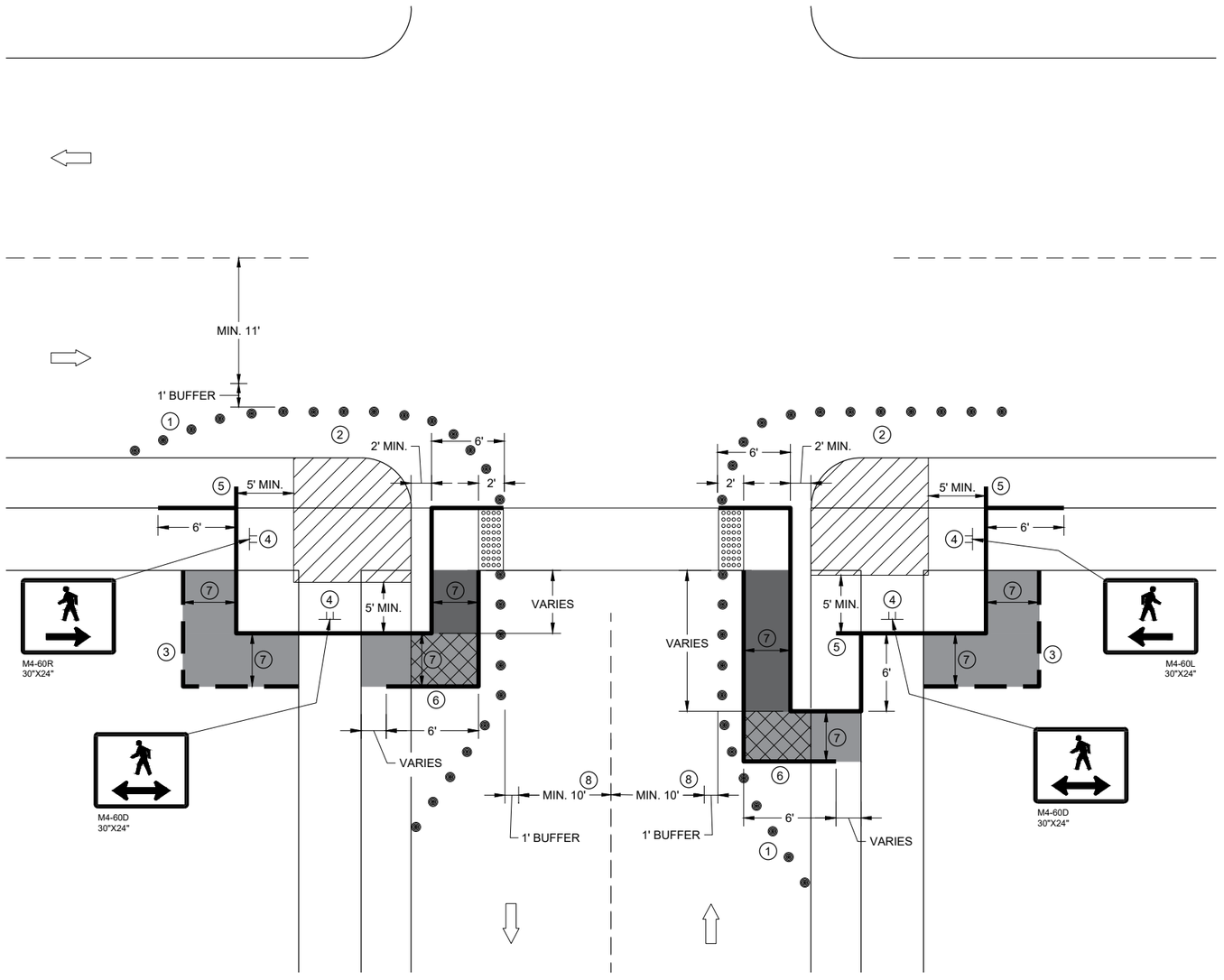
SDD 15D30 - 09h



CURB RAMP PEDESTRIAN TRAFFIC CONTROL
SIDEWALK ON SINGLE SIDE

GENERAL NOTES

IF PEDESTRIAN PUSH BUTTONS ARE PRESENT ON THE EXISTING FACILITY, ENSURE THEY ARE MAINTAINED/ACCESSIBLE FOR PEDESTRIAN USE THROUGHOUT THE TEMPORARY PEDESTRIAN ACCOMMODATIONS.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG

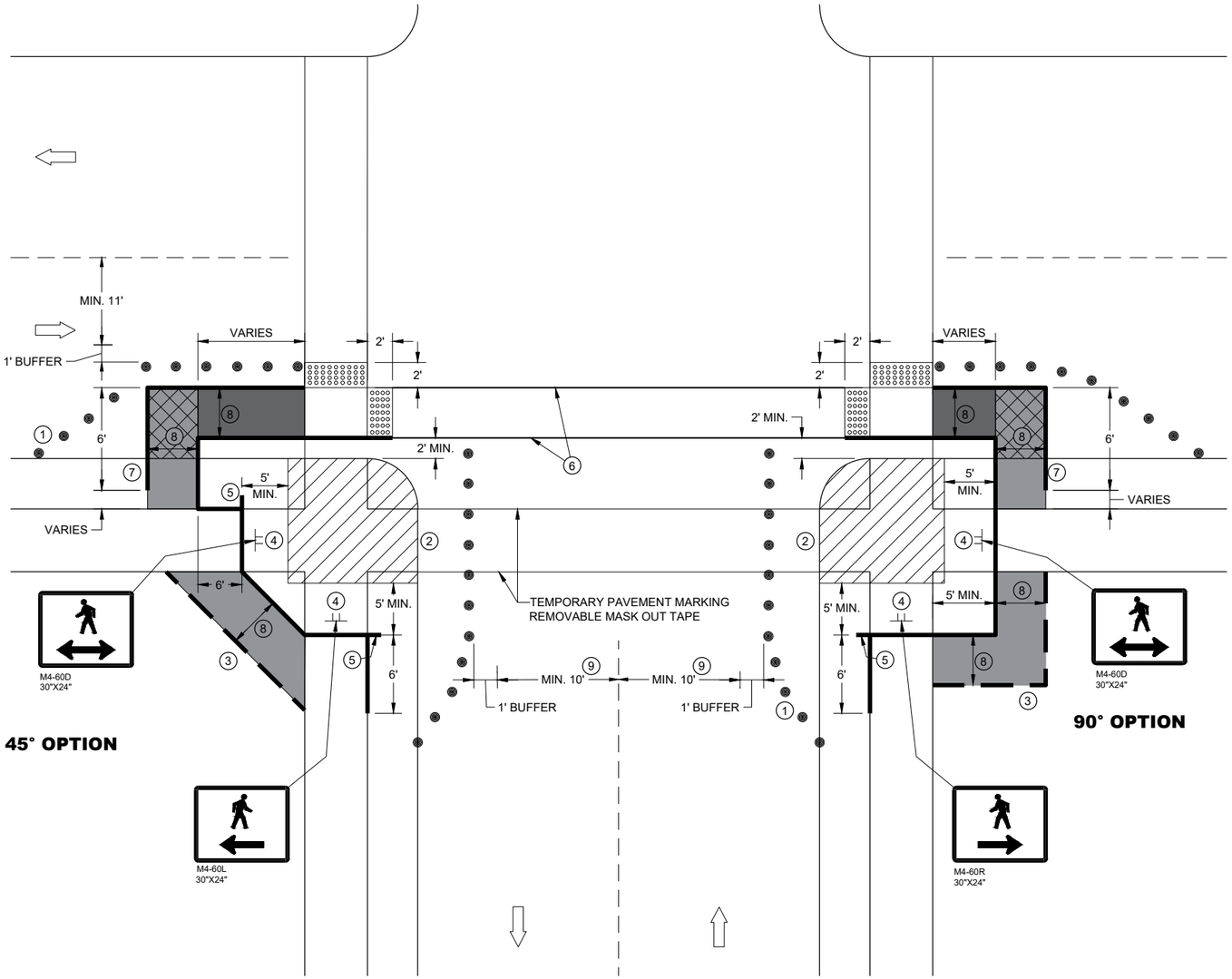
WHEN TEMPORARY PEDESTRIAN BARRICADE RUNS PARALLEL ALONG THE SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

1. SHOULDER OR LANE CLOSURE ADVANCE WARNING AND PROPER BUFFER SPACE REQUIRED.
2. PROVIDE ADEQUATE SPACE FOR CONTRACTOR OPERATIONS
3. USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.
4. MOUNTING HEIGHT OF 5 FEET FROM SIDEWALK SURFACE TO BOTTOM OF SIGN.
5. PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL IN THE SIDEWALK TERRACE.
6. IF TEMPORARY PEDESTRIAN BARRICADE DOES NOT REACH THE FACE OF THE CURB, USE AN ADDITIONAL PANEL AND EXTEND INTO THE TERRACE.
7. 4 FEET MINIMUM, 5 FEET DESIRABLE
8. IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, CURB RAMPS MAY NEED TO BE CONSTRUCTED AT SEPARATE TIMES.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL,
PEDESTRIAN ACCOMMODATION



CURB RAMP PEDESTRIAN TRAFFIC CONTROL

GENERAL NOTES

IF PEDESTRIAN PUSH BUTTONS ARE PRESENT ON THE EXISTING FACILITY, ENSURE THEY ARE MAINTAINED/ACCESSIBLE FOR PEDESTRIAN USE THROUGHOUT THE TEMPORARY PEDESTRIAN ACCOMMODATIONS.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG

WHEN TEMPORARY PEDESTRIAN BARRICADE RUNS PARALLEL ALONG THE SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

1. SHOULDER OR LANE CLOSURE ADVANCE WARNING AND PROPER BUFFER SPACE REQUIRED.
2. PROVIDE ADEQUATE SPACE FOR CONTRACTOR OPERATIONS
3. USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.
4. MOUNTING HEIGHT OF 5 FEET FROM SIDEWALK SURFACE TO BOTTOM OF SIGN.
5. PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL IN THE SIDEWALK TERRACE.
6. WHITE 6" TEMPORARY PAVEMENT MARKING
7. IF TEMPORARY PEDESTRIAN BARRICADE DOES NOT REACH THE FACE OF THE CURB, USE AN ADDITIONAL PANEL AND EXTEND INTO THE TERRACE.
8. 4 FEET MINIMUM, 5 FEET DESIRABLE
9. IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, CURB RAMPS MAY NEED TO BE CONSTRUCTED AT SEPARATE TIMES.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

LEGEND

SIGN ON PERMANENT SUPPORT

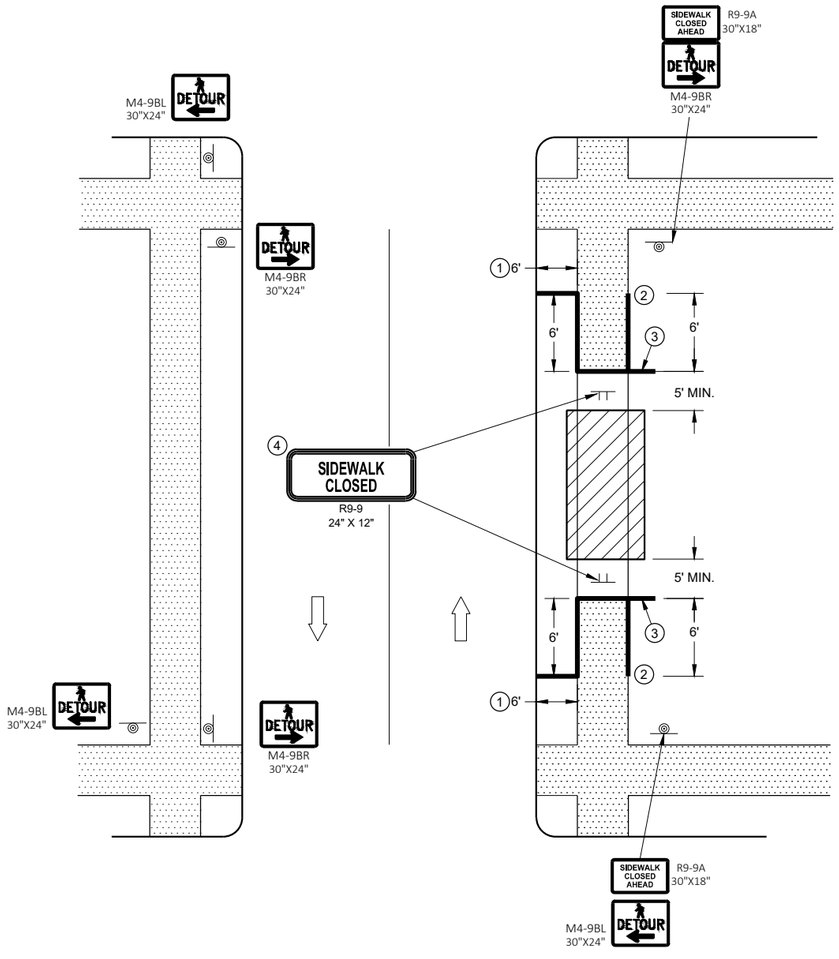
SIGN ON TEMPORARY SUPPORT

UNDER PEDESTRIAN TRAFFIC

WORK AREA

TEMPORARY PEDESTRIAN BARRICADE

DIRECTION OF TRAFFIC



SIDEWALK DETOUR, SIDEWALK ON BOTH SIDES

GENERAL NOTES

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

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

PLACE TEMPORARY PEDESTRIAN BARRICADE TO FIT FIELD CONDITIONS, AVOIDING CONFLICT WITH DRIVEWAYS AND OTHER EXISTING FEATURES.

1. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
2. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
3. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
4. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

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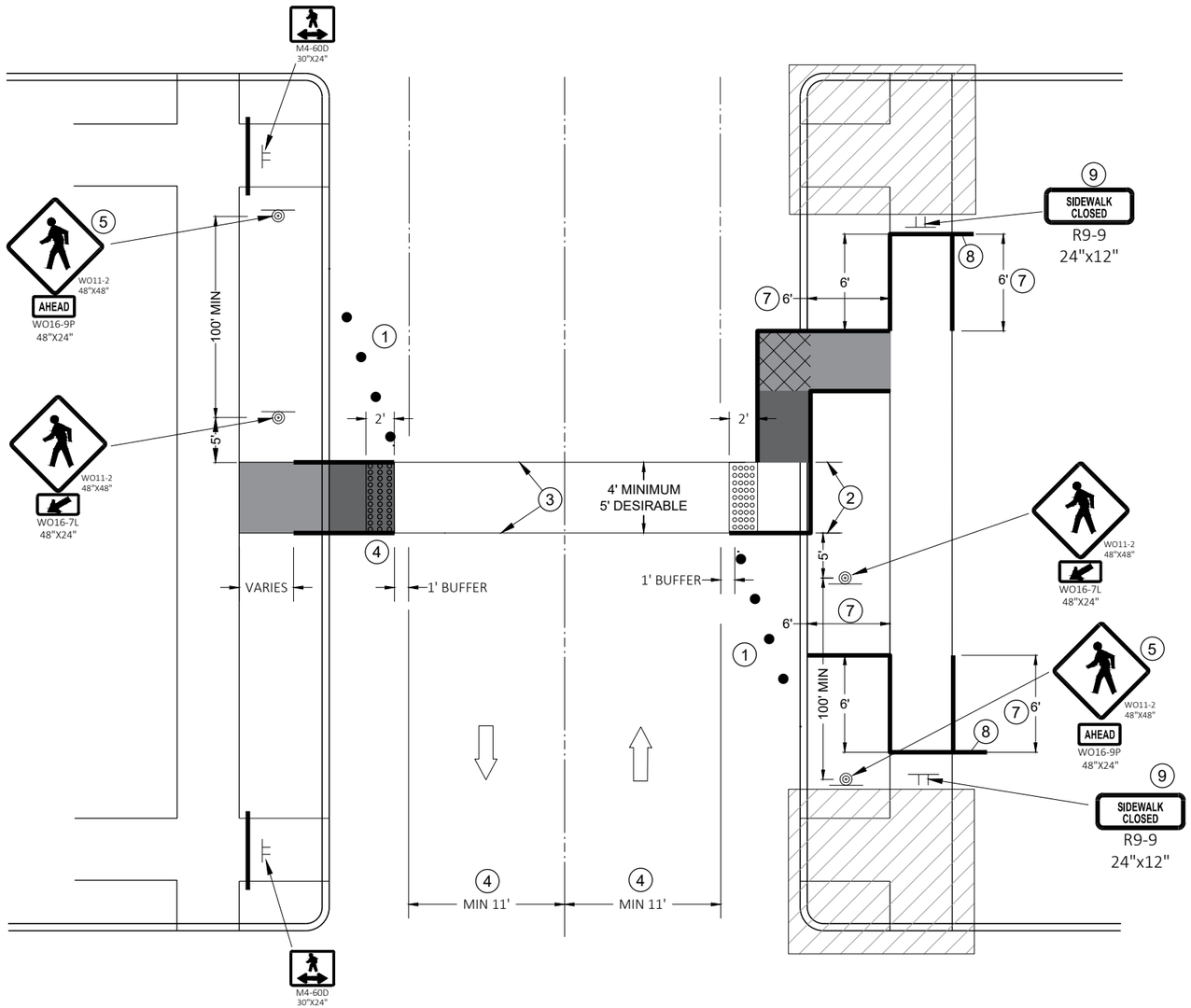
SDD 15D30 - 09k



TEMPORARY PEDESTRIAN CROSSING

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

SEE OTHER PEDESTRIAN ACCOMMODATION DETAILS FOR SIGNING AND DEVICES FOR DIFFERENT PEDESTRIAN FACILITIES CLOSURES.

1. SHOULDER OR LANE CLOSURE ADVANCED WARNING AND PROPER BUFFER SPACE REQUIRED.
2. 4 FEET MINIMUM, 5 FEET DESIRABLE.
3. WHITE 6" TEMPORARY PAVEMENT MARKING.
4. IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, PERPENDICULAR CURB RAMPS MAY NEED TO BE UTILIZED.
5. IF MINIMUM 100' SPACING FROM THE MID-BLOCK CROSSING CANNOT BE ATTAINED BEFORE THE INTERSECTION, REMOVE THIS SIGN ASSEMBLY.
6. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
7. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
8. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF THE EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
9. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF THE SIGN.

LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CURB RAMP
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- CONCRETE BARRIER TEMPORARY PRECAST

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER L/2 W, LATERAL OFFSET (FT)					BUFFER SPACE (B) FEET
		10	11	12	13	14	
25	200	52	57	63	68	73	55
30	200	75	83	90	98	105	85
35	350	102	112	123	133	143	120
40	350	133	147	160	173	187	170
45	500	225	248	270	293	315	220

GENERAL NOTES

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

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

THIS LANE CLOSURE IS TYPICAL FOR LANE SHIFT RIGHT - REVERSE FOR SHIFTING LEFT.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

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

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

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

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

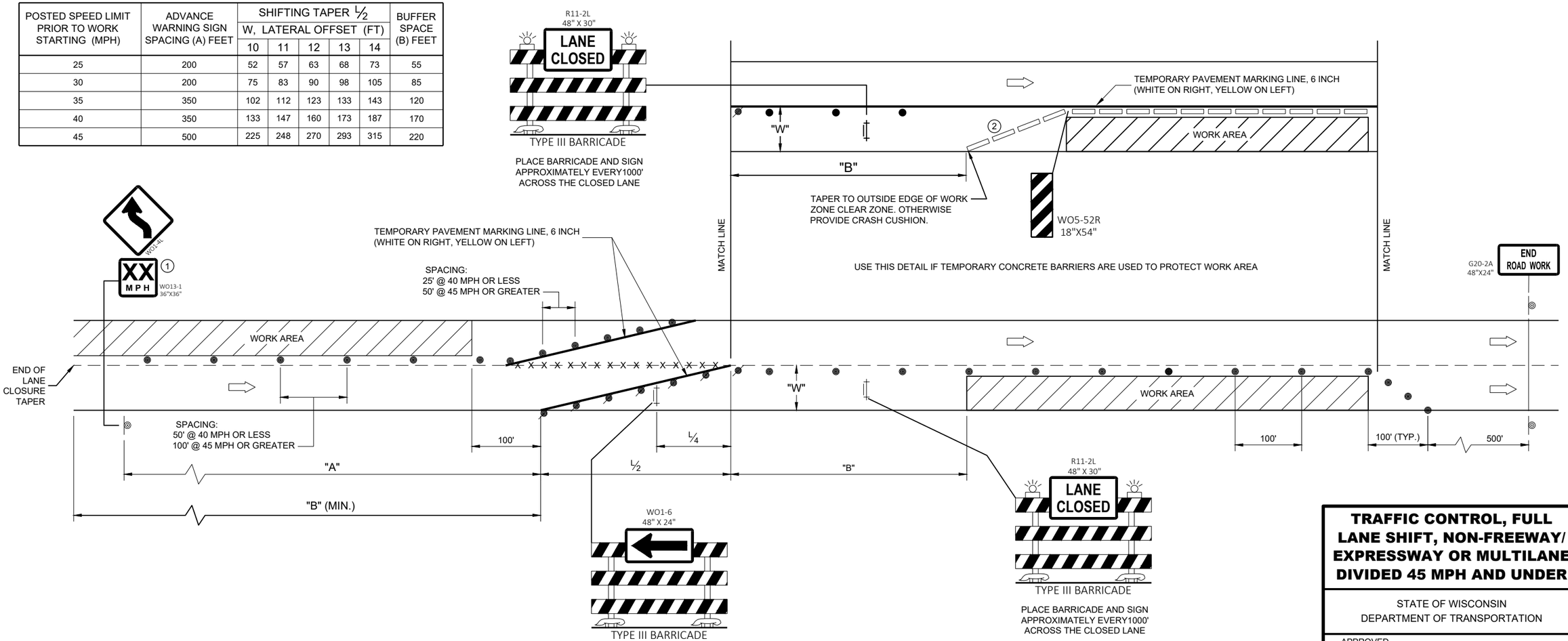
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

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

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

(1) USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.

(2) BARRIER FLARE RATE: 6:1 @ 40 MPH OR LESS
8:1 @ 45 MPH OR GREATER



TRAFFIC CONTROL, FULL LANE SHIFT, NON-FREEWAY/ EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

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SDD 15D40-05a

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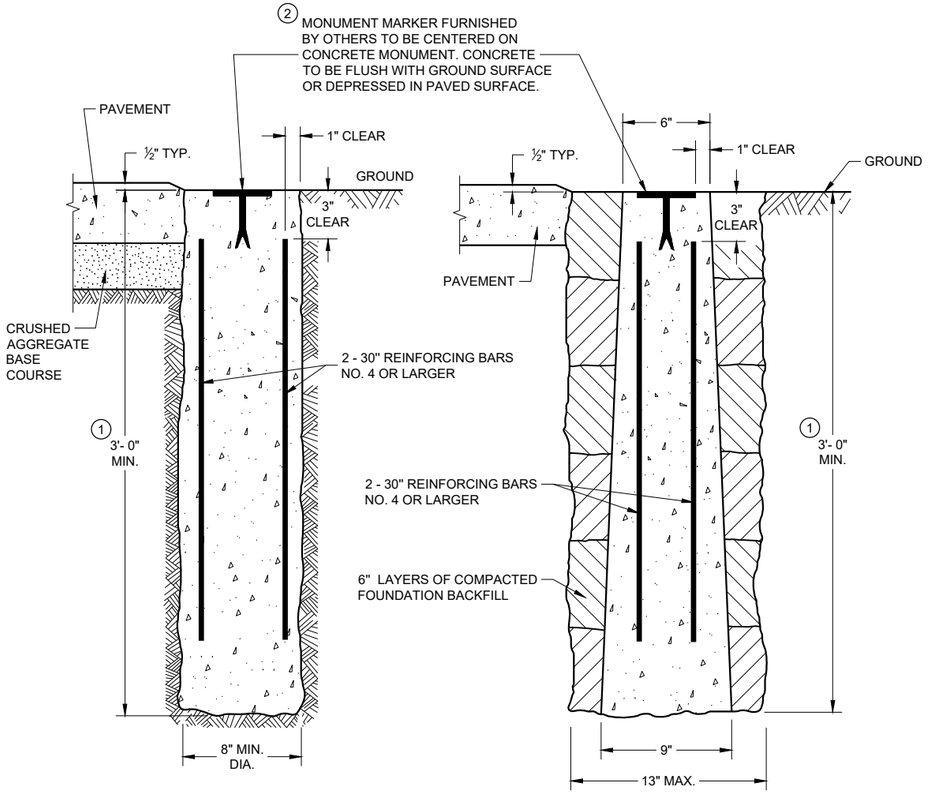
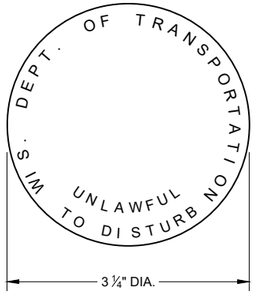
SDD 15D40-05a



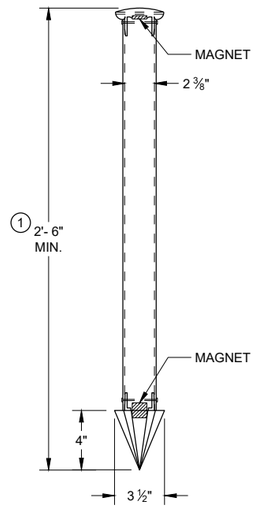
CAST-IN-PLACE **PRECAST**

CONCRETE MONUMENTS
TYPE A

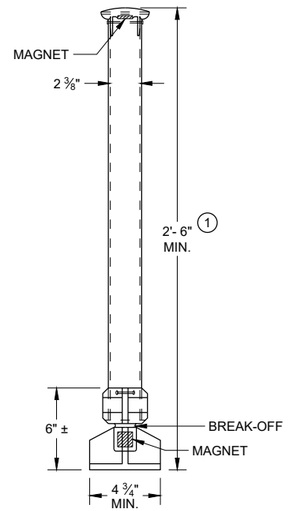


② **WIS DOT MONUMENT MARKER LOGO**

FOR TYPES "A", "C" & "D"

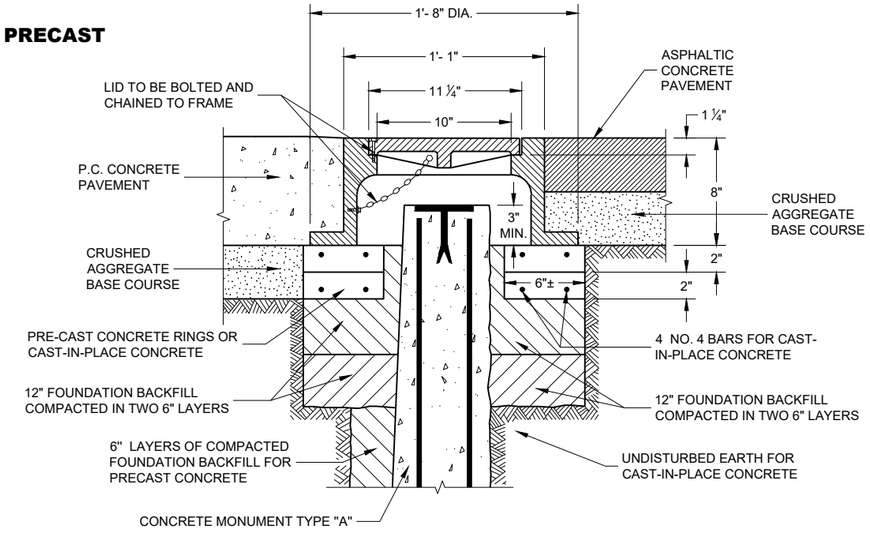


TYPE C
DRIVEN MONUMENT



TYPE D
NON-DRIVEN
BREAK-OFF MONUMENT

ALUMINUM MONUMENTS
(INCLUDES MARKER)



CAST IRON MONUMENT COVER
(APPROXIMATE WEIGHT 95 LBS)

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.

DETAILED DRAWINGS OF PROPOSED ALTERNATE DESIGNS FOR METAL MONUMENTS OR MONUMENT COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

PERMANENT MAGNETS SHALL BE INSERTED NEAR THE TOP AND BOTTOM OF ALL ALUMINUM MONUMENTS SO THE MONUMENT CAN EASILY BE DETECTED BY A METAL DETECTOR.

THE CAST IRON MONUMENT COVER SHALL BE A "NON-ROCKING" TYPE. ADJUSTMENT OF THE COVER TO GRADE MAY BE ACCOMPLISHED BY THE USE OF MORTAR AND BRICK, OR BY EITHER PRECAST OR CAST-IN-PLACE REINFORCED CONCRETE GRADE RINGS.

MONUMENTS SHALL BE LOCATED AND PLACED AT THE DIRECTION OF THE ENGINEER.

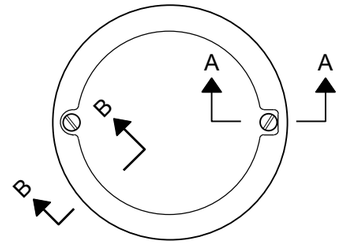
ALUMINUM MONUMENTS AND MONUMENT COVERS SHALL BE MADE FROM AN ALUMINUM AND MAGNESIUM ALLOY AS DETERMINED BY THE MANUFACTURER.

THE MONUMENT COVERS DETAILED ON THIS DRAWING ARE NOT EQUAL ALTERNATES. MONUMENT COVERS SHALL BE CAST IRON UNLESS ALUMINUM IS SPECIFIED ELSEWHERE IN THE CONTRACT.

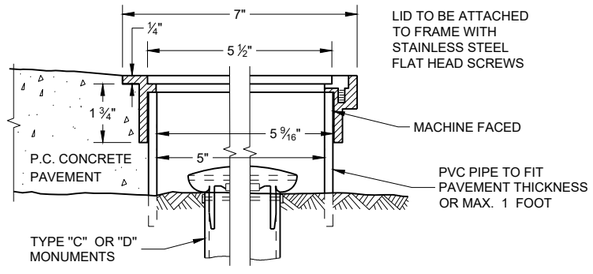
MONUMENT SHALL BE CAST-IN-PLACE CONCRETE UNLESS PRECAST CONCRETE OR ALUMINUM MONUMENTS ARE SPECIFIED IN THE CONTRACT OR PERMITTED BY THE ENGINEER.

① MINIMUM LENGTH SHALL BE 4'-0" FOR MONUMENTS INSTALLED IN PAVED AREAS.

② AN OFFICIAL COUNTY MONUMENT MARKER SUPPLIED BY A COUNTY MAY BE REQUIRED FOR SOME SECTION CORNERS AND WITNESS MONUMENTS INSTEAD OF THIS WISDOT MARKER.



TOP VIEW



SECTION B-B **SECTION A-A**

ALUMINUM MONUMENT COVER
(APPROXIMATE WEIGHT 2 LBS)
(FOR CONCRETE PAVEMENT ONLY)

LANDMARK REFERENCE MONUMENTS AND COVERS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE

/S/ Raymond A. Kumapayii
CHIEF SURVEYING AND MA
ENGINEER

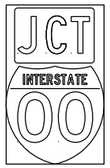
FHWA

SDD 16A01 - 07

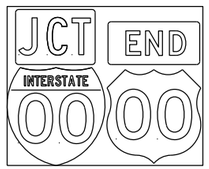
6

SDD 16A01 - 07

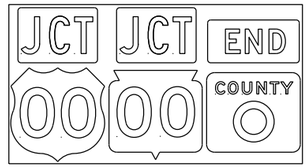
TYPICAL ASSEMBLIES



J1-1



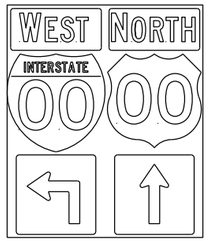
J1-2



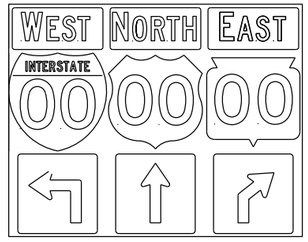
J1-3

JR1-1

J2-1

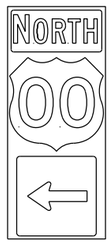


J2-2

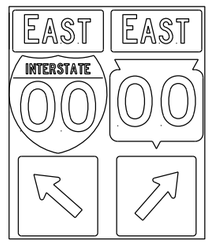


J2-3

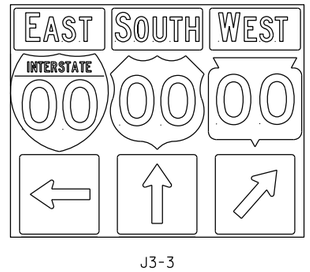
JV
(Typical Vertical J-Assembly
See Note 10 and 11)



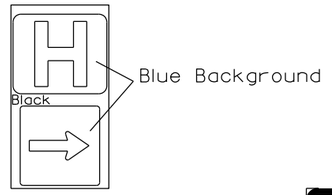
J3-1



J3-2

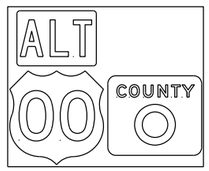


J3-3

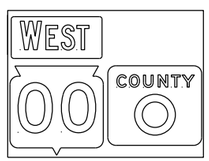


JH-1

J4-1

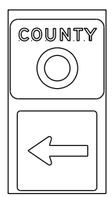


J4-2



J4-2

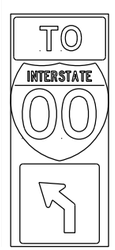
J12-1



J13-1

J32-1

J33-1



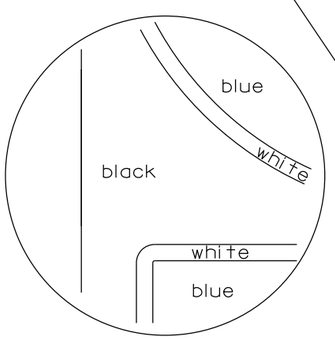
J22-1

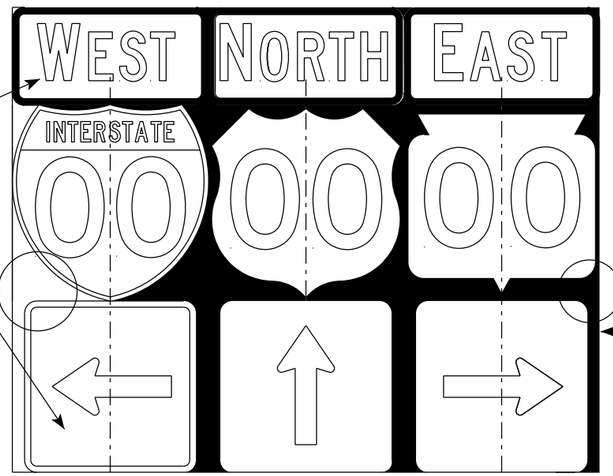
J23-1

JR13-1

JR23-1

JR99-1





NOTES

1. Signs are Type II - Type H Reflective
2. Color:
   Background - Black Non-reflective
   Message - see Note 5
3. Message Series - See Note 5
4. Corners shall be square or rounded if base material is plywood. If base material is metal the corners shall be rounded.
5. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
6. 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.
7. 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.
8. 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.
9. 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.
10. All Vertical J Assemblies are given a Sign Code of JV
11. For JV Assemblies that have a mixture of Interstate and non Interstate shields, arrows and cardinals shall be white on blue.

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

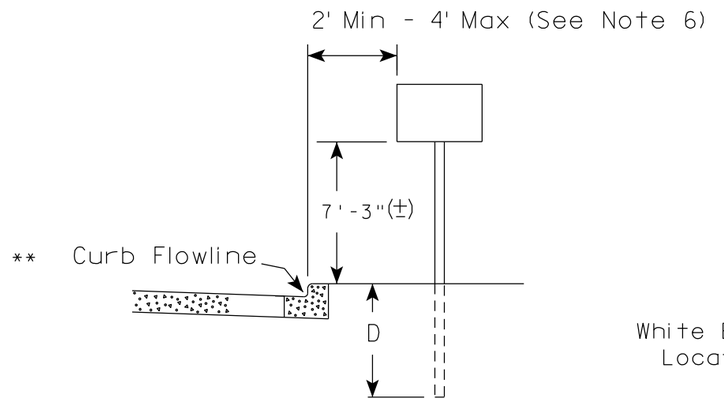
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/21 PLATE NO. A2-1S.9

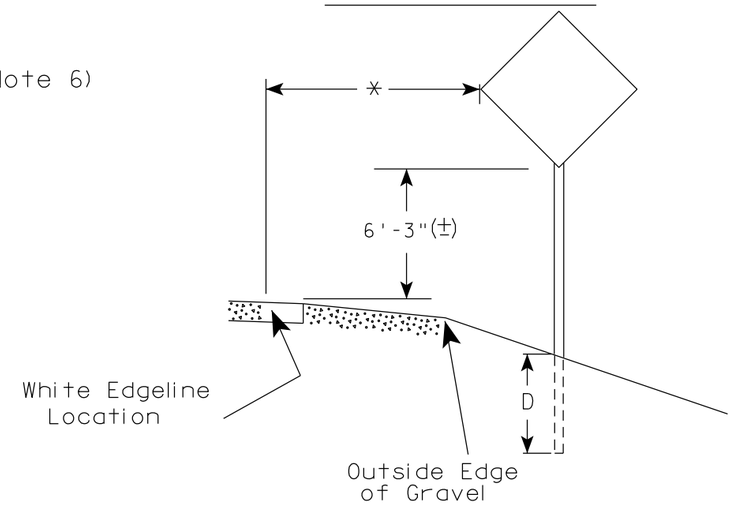
PROJECT NO:

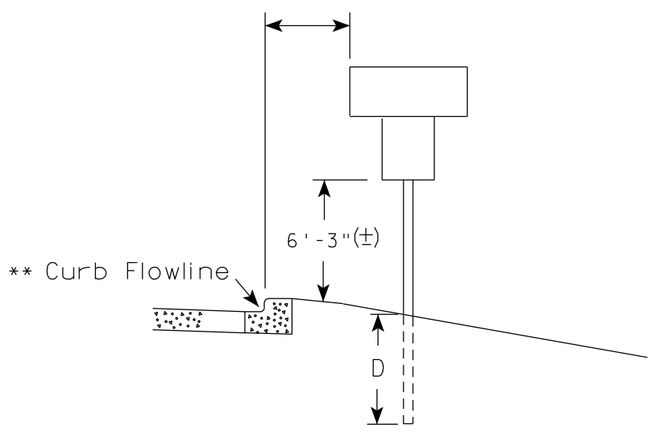
SHEET NO: 319 E

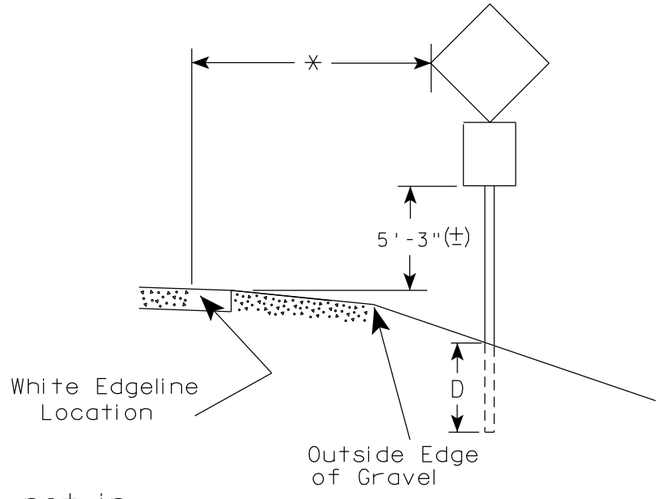
URBAN AREA



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" (±). 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. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
6. The (±) tolerance for mounting height is 3 inches.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directd by the Engineer.

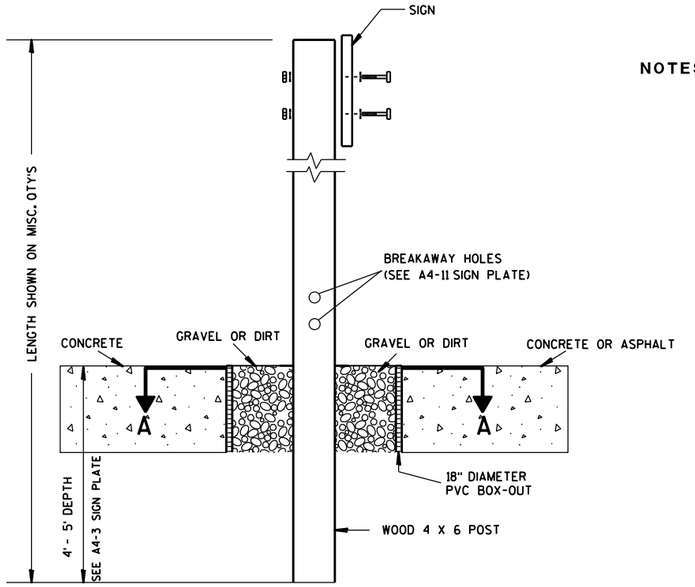
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

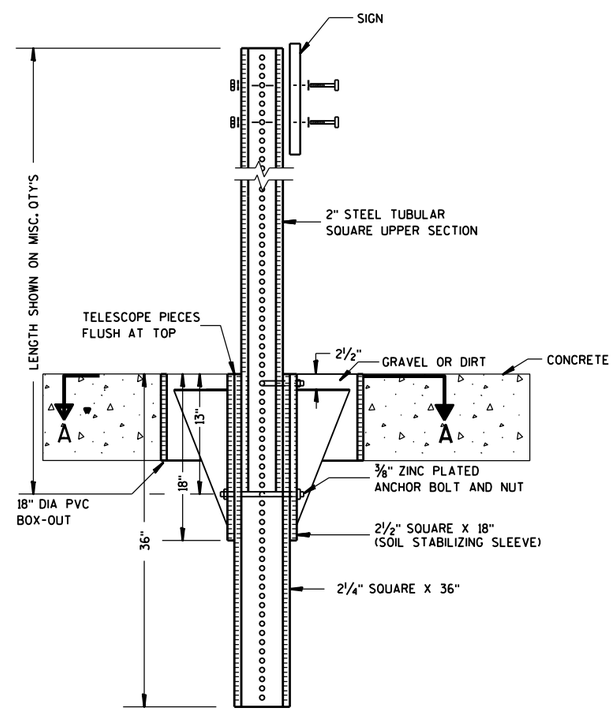
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 320	E



ELEVATION VIEW

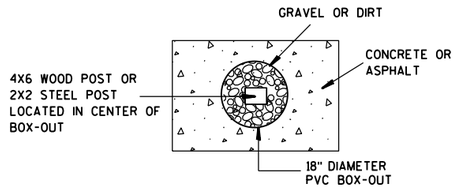
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

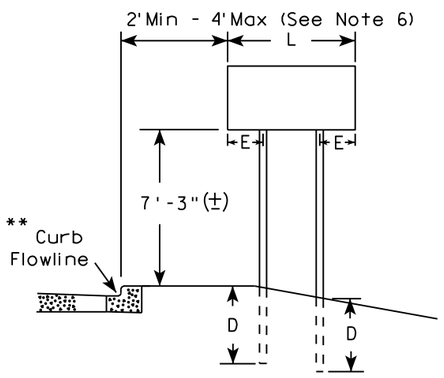
APPROVED Matthew R Rauch
for State Traffic Engineer

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

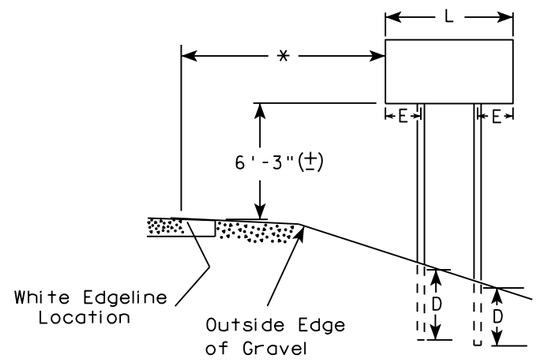
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

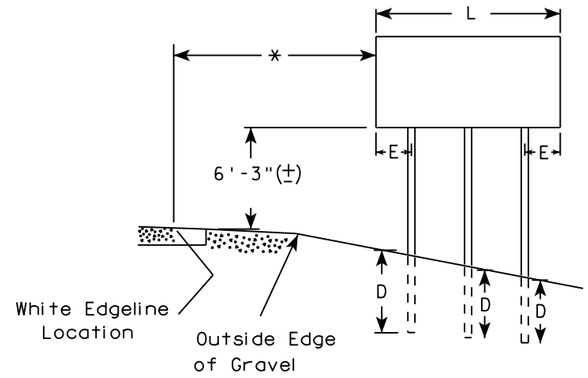
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

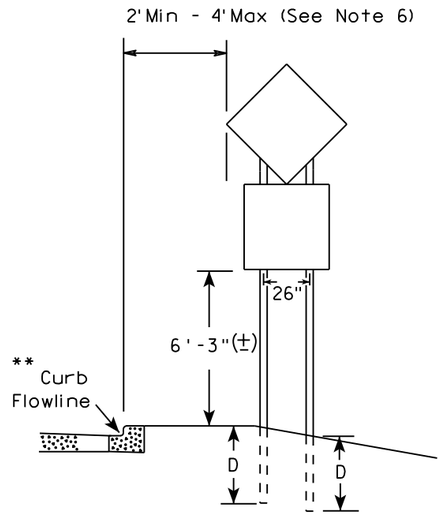
URBAN AREA



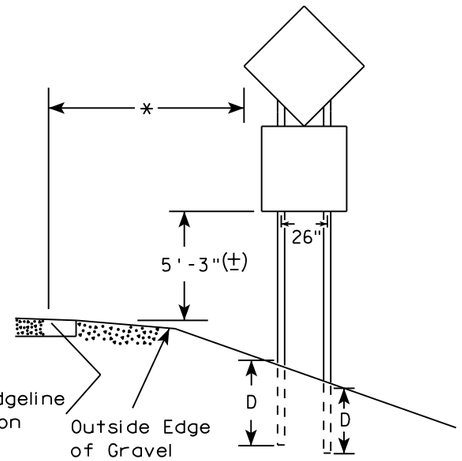
RURAL AREA (See Note 3)







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" (±) or 6'-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" (±) or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).

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

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

*** See A4-3 sign plate for signs 4' or less in width 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'

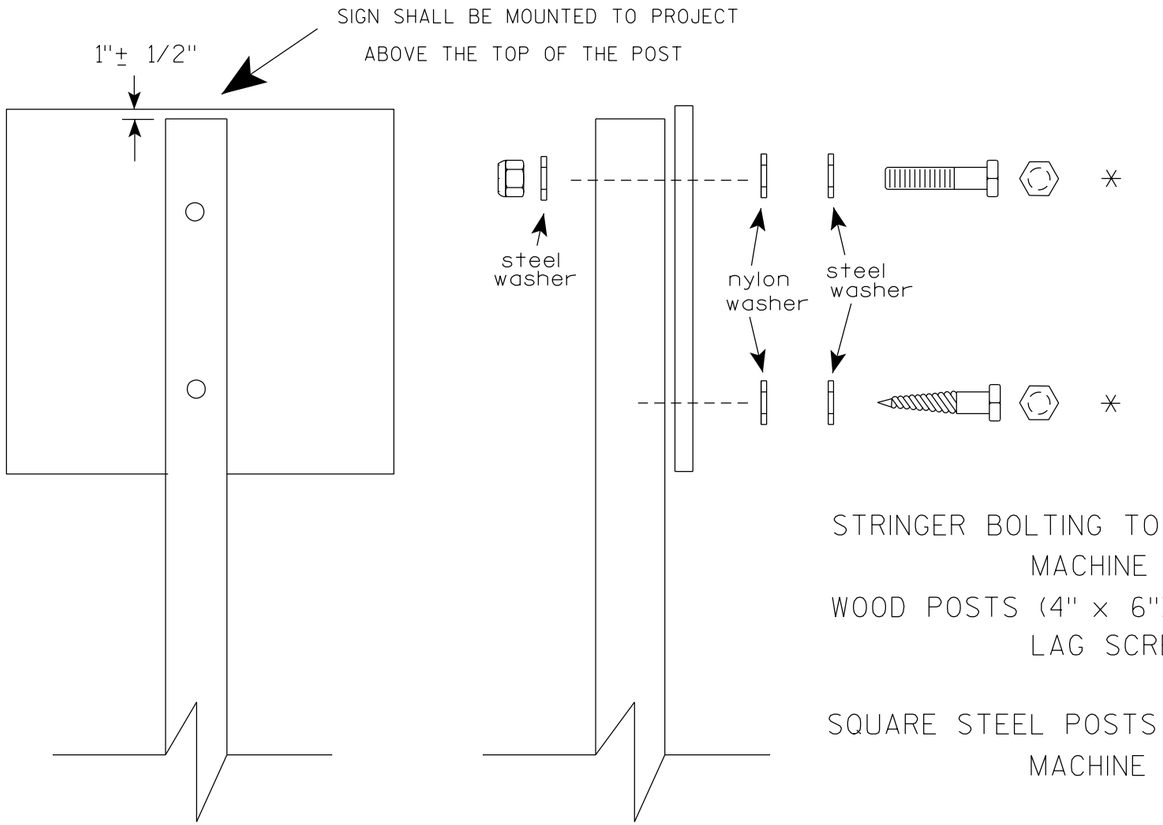
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 322	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: 323 E

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

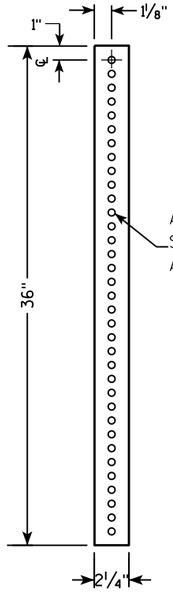
WISDOT/CADDS SHEET 42

7

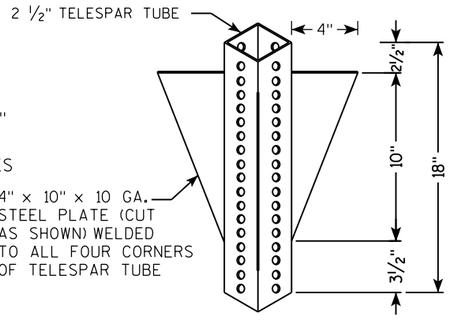
7

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

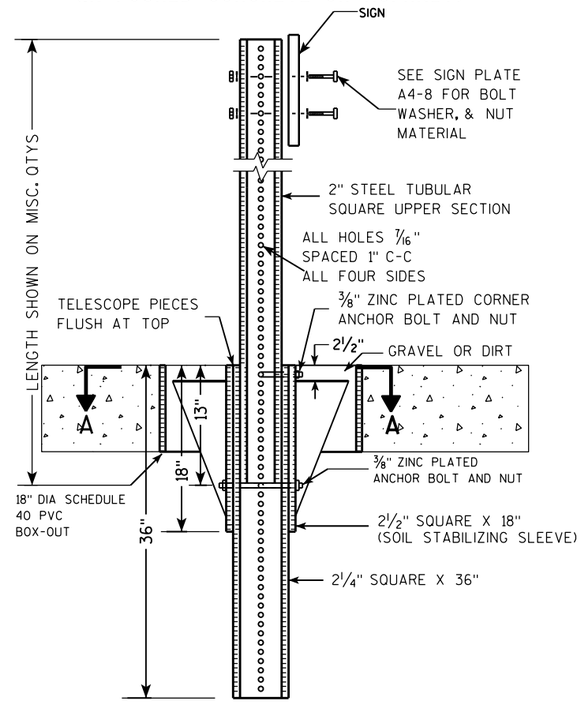
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



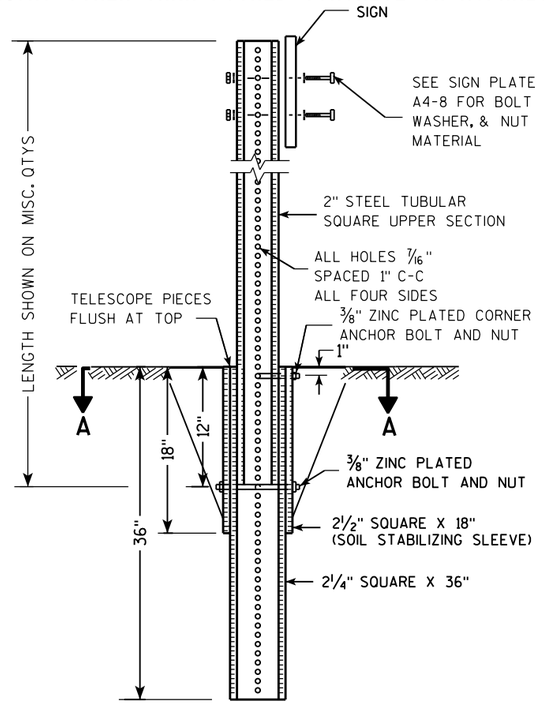
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

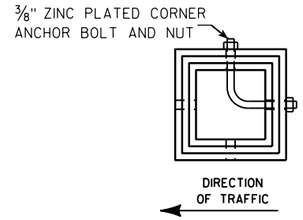


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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).

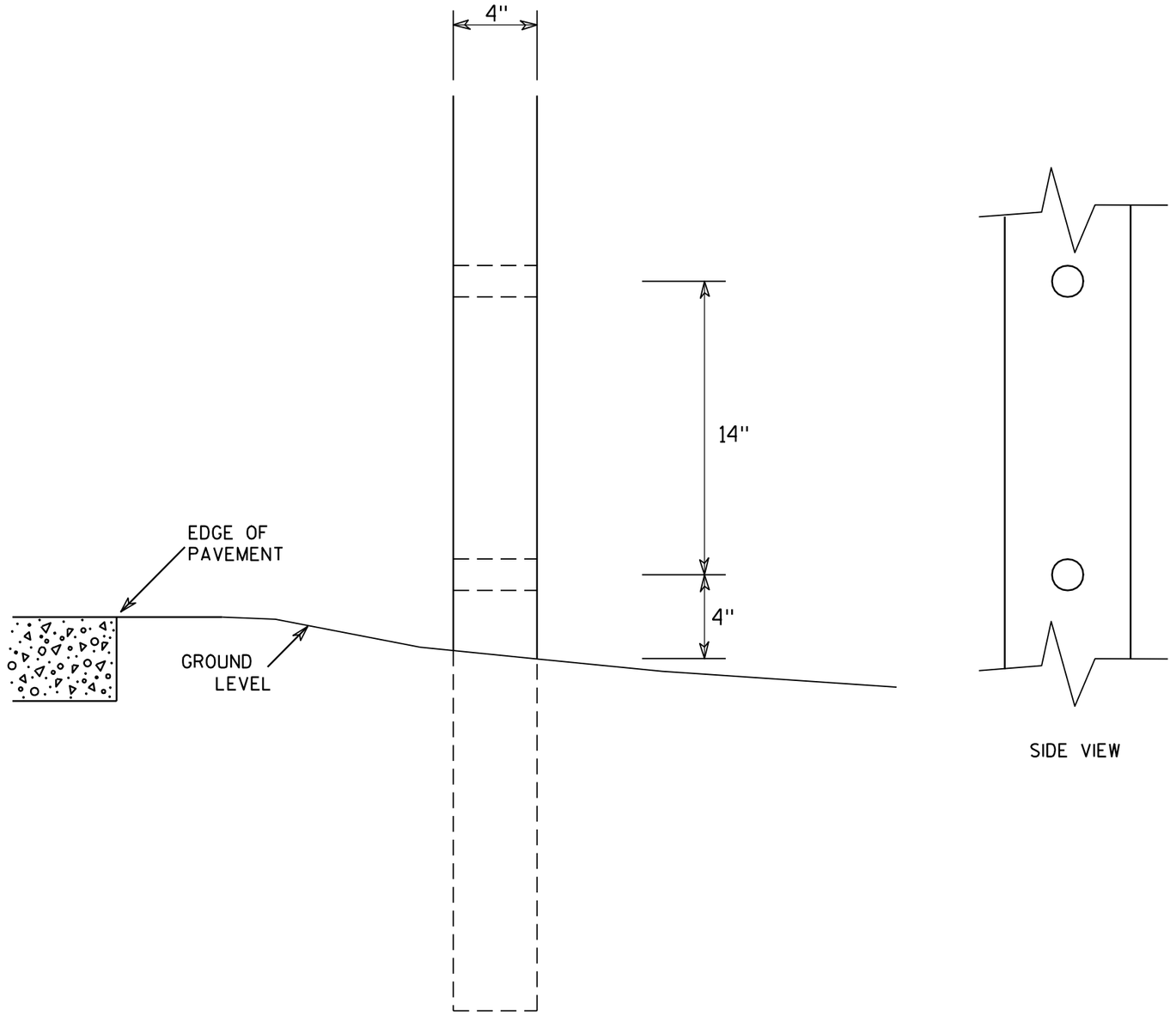
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 324 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



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.

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

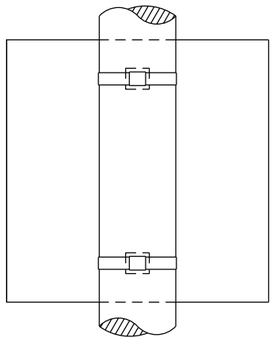
APPROVED Chester J Spang for State Traffic Engineer

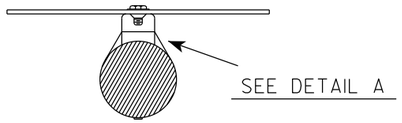
DATE 3/27/97 PLATE NO. A4-11.2

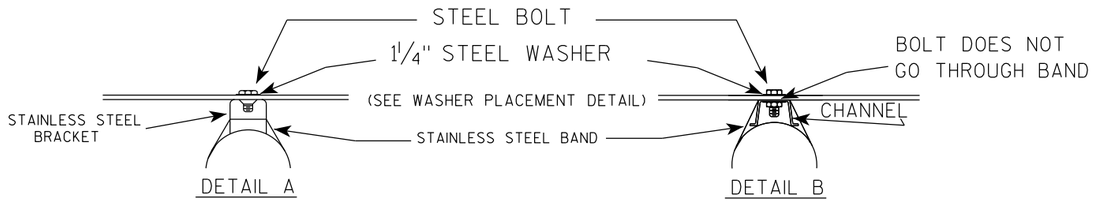
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 325	E

BANDING

SINGLE SIGN



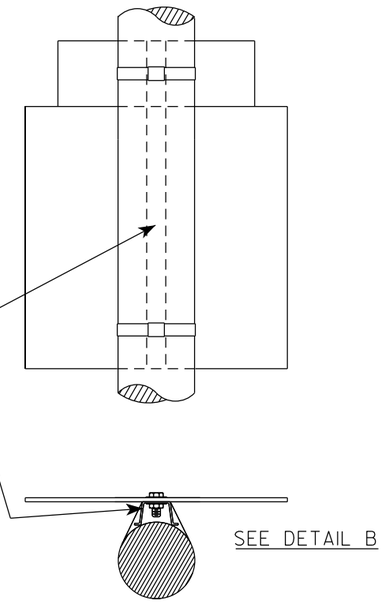




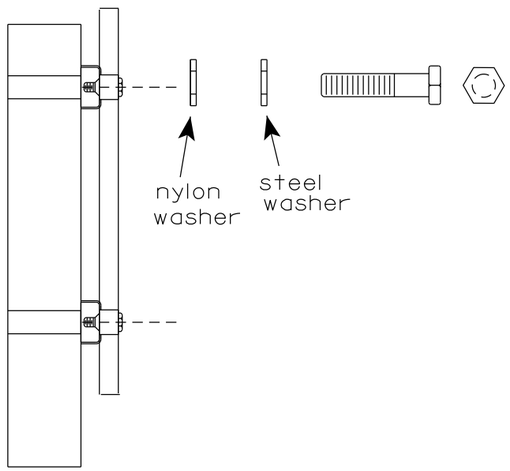
GENERAL NOTES

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

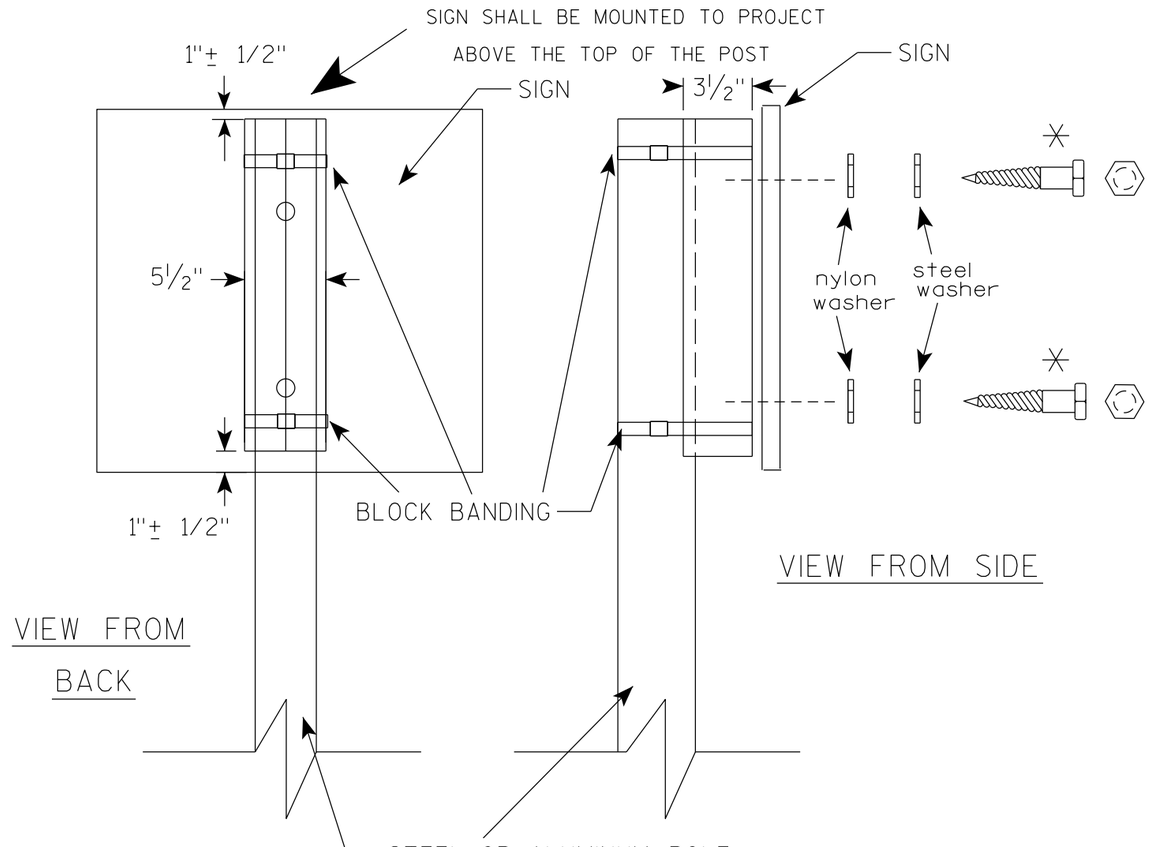
WISCONSIN DEPT OF TRANSPORTATION

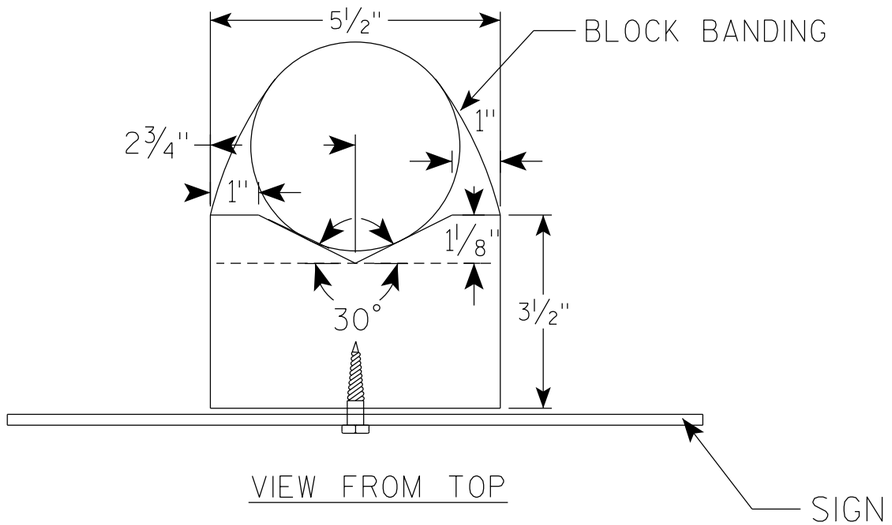
APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 326	E

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





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)

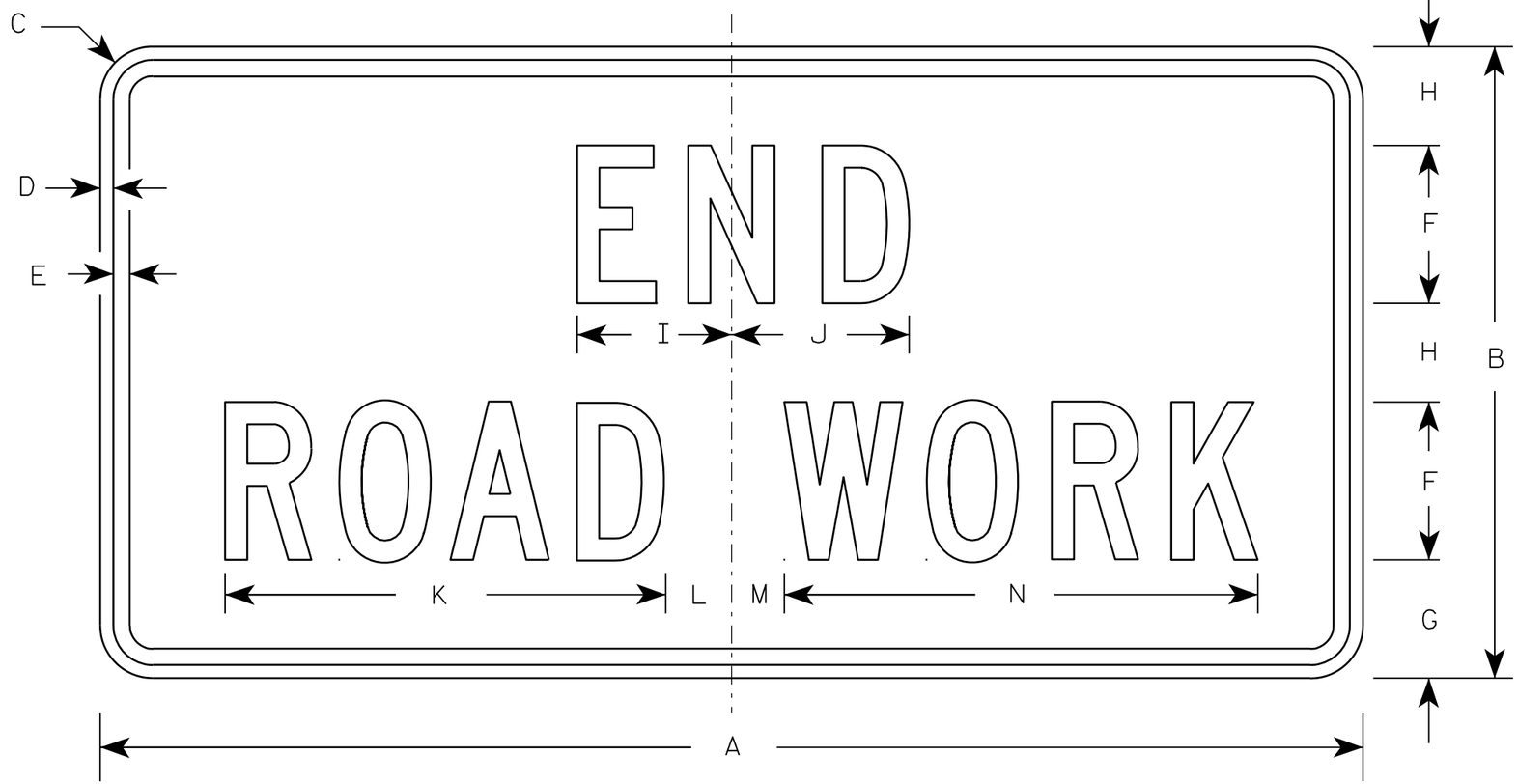
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:

SHEET NO: 327 E



G20-2A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

Metric equivalent for this sign is:

SIZE	
1	900 mm X 450 mm
2	1200 mm X 600 mm
3	1200 mm X 600 mm
4	1200 mm X 600 mm
5	1200 mm X 600 mm

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.	Area m2
1	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
3	48	24	1 1/2	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	0.72
4	48	24	1 1/2	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	0.72
5	48	24	1 1/2	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	0.72

STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

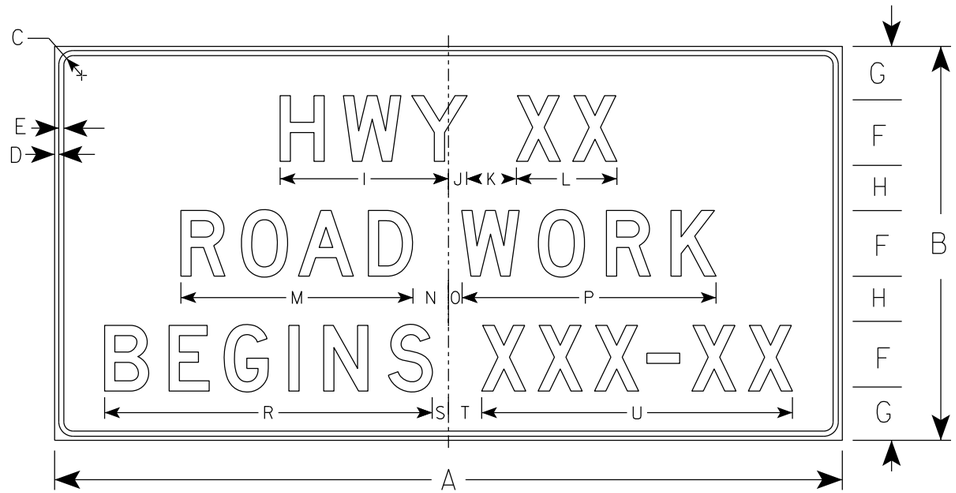
APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 328	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																											

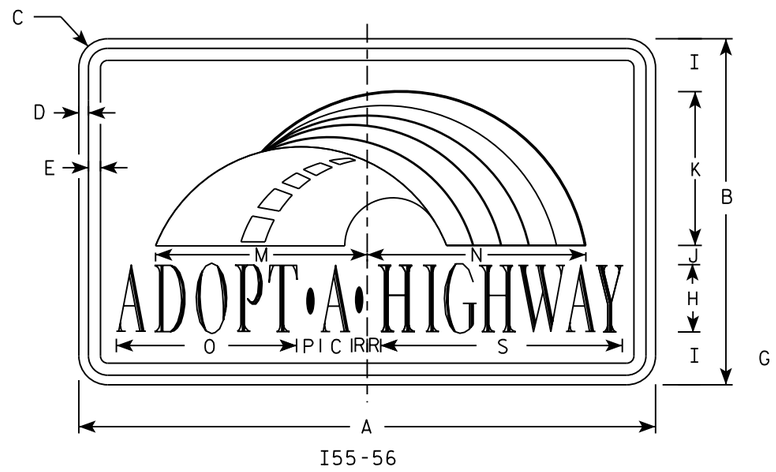
STANDARD SIGN
G20-57

WISCONSIN DEPT OF TRANSPORTATION

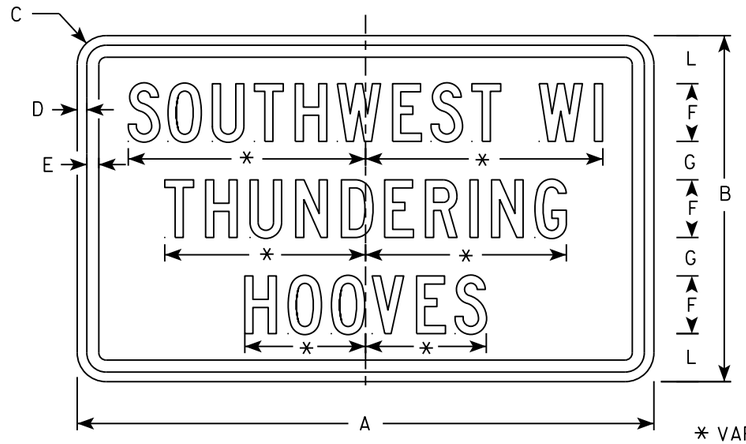
APPROVED Matthew R Rauch
For State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 329	E



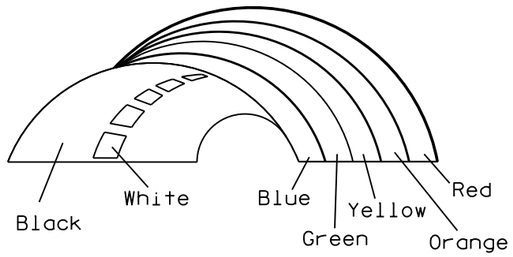
I55-56



I55-56P

* VARIES

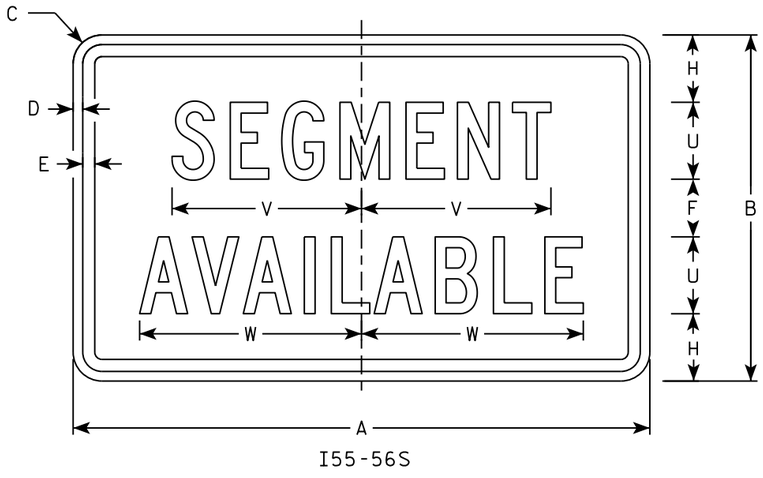
Background Colors of Symbol*



*1/4" Black Border between each color of rainbow and border of rainbow

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - (See Note 4)
3. Message Series - (See Note 5)
4. Border - Blue
   Adopt a Highway - Red
   All other Text - Blue
5. Adopt a Highway - Dutch 8011L
   All other Text - Series C
6. Contractor shall provide and install a new post bracket in accordance with the I55-56B sign detail.



I55-56S

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	30	18	1 1/2	1/2	5/8	3	2	3 1/2	2 3/4	1	8	2 1/2	11 1/4	11 1/8	9 3/8	1 1/4		3/4	12 5/8	7 1/2	4	9 7/8	11 1/2				3.75
3																											
4																											
5																											

STANDARD SIGN
I55-56

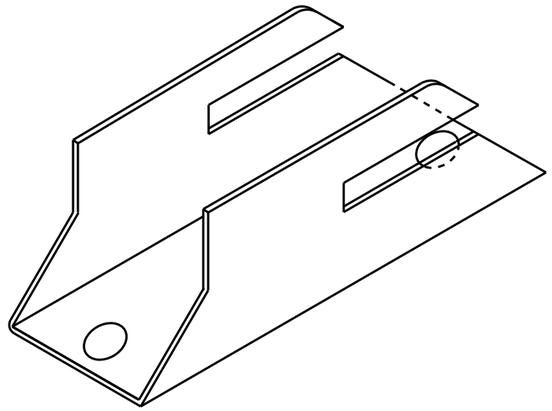
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

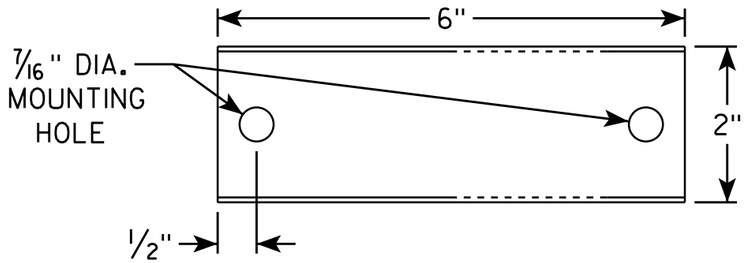
DATE 2/20/18 PLATE NO. I55-56.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 330 | E

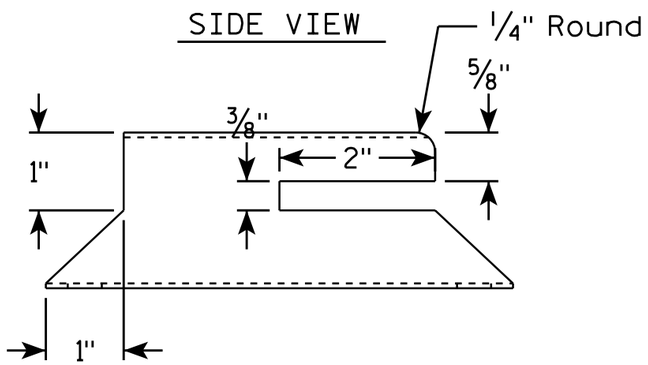
ISOMETRIC VIEW



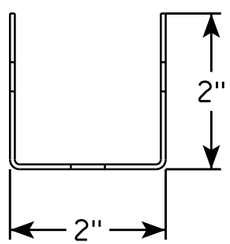
TOP VIEW



SIDE VIEW



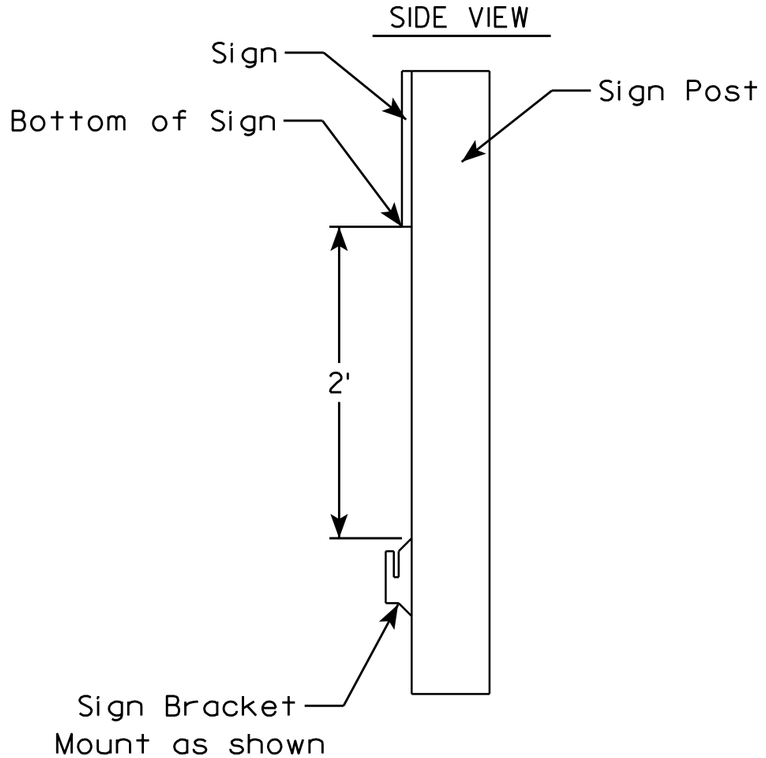
END VIEW



NOTES

1. Must be capable of permanent attachment to a wood or steel channel sign post utilizing the fastening hardware specified on the A4-8 sign plate.
2. Shall be entirely primed and painted with two coats of a black powder coated enamel paint.
3. Shall be made with 12 gauge steel, and incorporate no welds, no hinged components, no threaded lock-type components, and no parts which are loose or can be separated from the main body.
4. Shall have rounded edges with at least 1/8" radii.
5. Shall not have unrounded and uncoated metal edges which can contact the back surface of the roll-up sign.
6. Top of bracket shall be mounted 2' below the bottom of the I55-56 sign.
7. Cost of bracket and fastening hardware shall be incidental to the I55-56 sign.

SIDE VIEW



ROLLUP SIGN BRACKET
I55-56B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

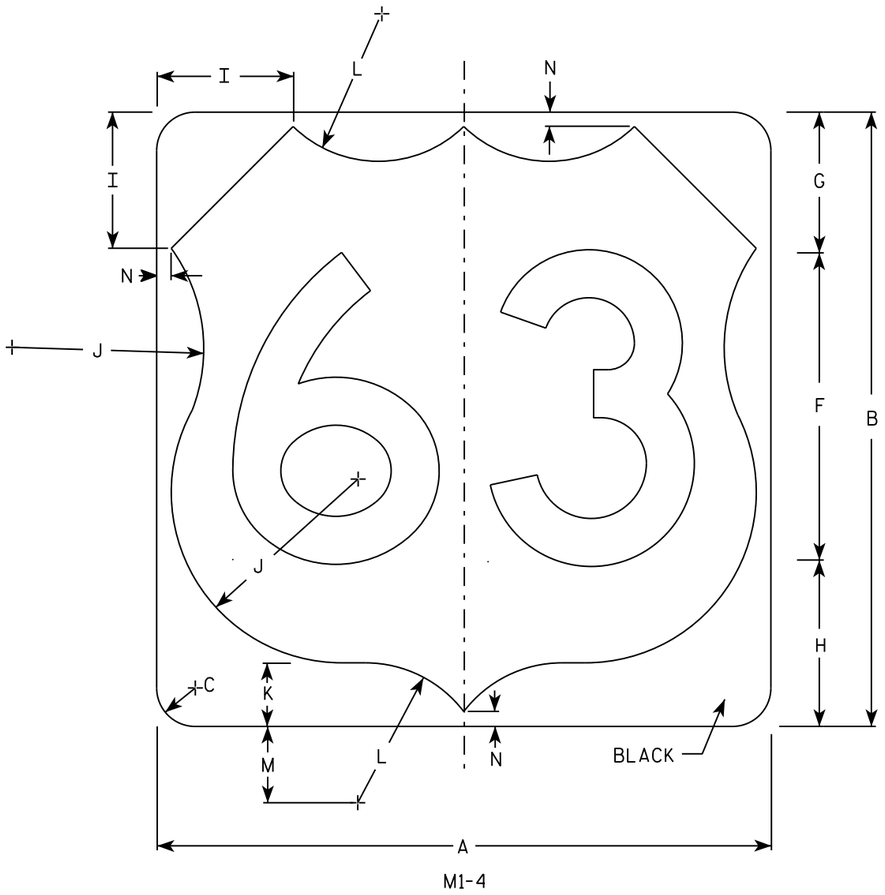
DATE 4/26/16 PLATE I55-56B.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

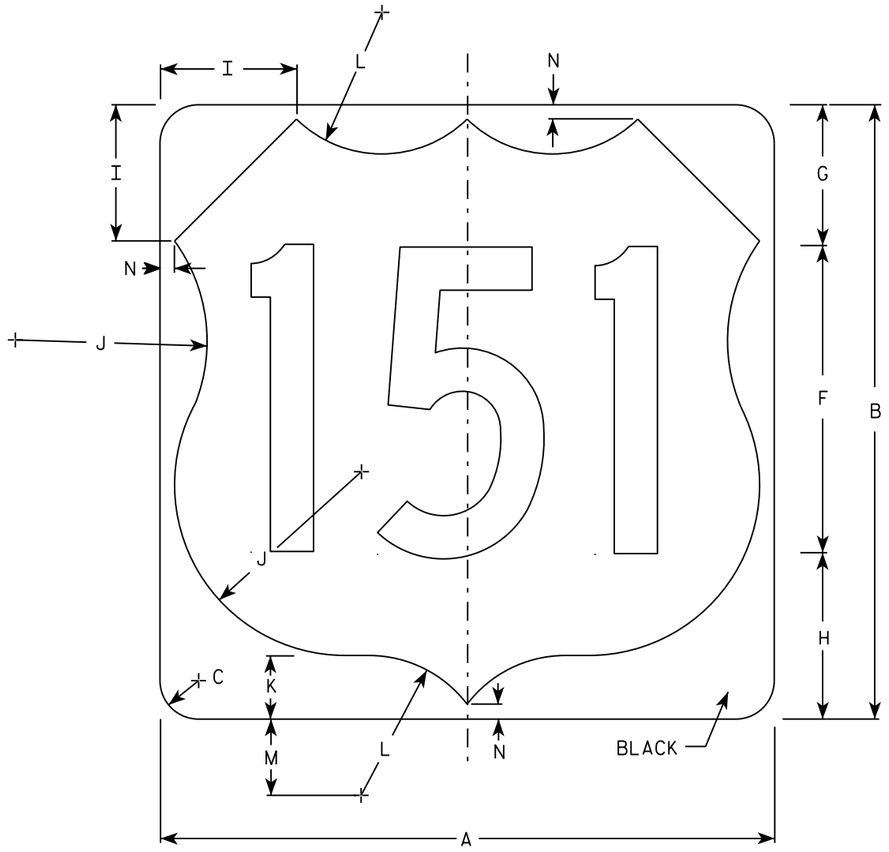
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\I5556B.DGN PLOT DATE : 26-APR-2016 17:29 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 1.945842:1.000000
WISDOT/CADDS SHEET 42

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
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.



M1-4



M1-4

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	24	1 1/2			12	5 1/2	6 1/2	5	7 1/2	2 1/2	5 1/2	3	1/2													4.0
3	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0
4	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0
5	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0

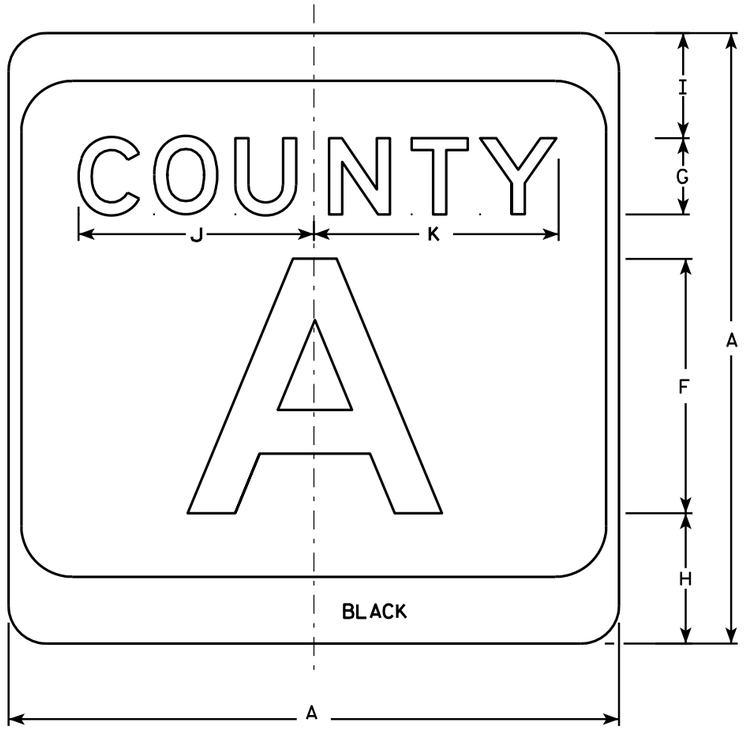
USH MARKER
M1-4 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

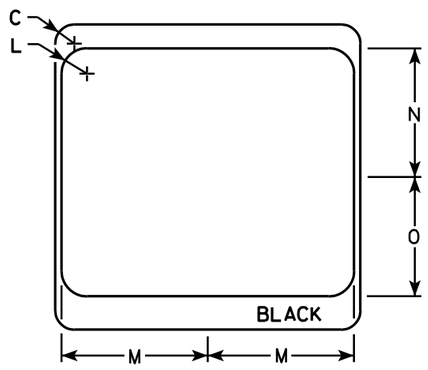
APPROVED Matthew R Rauch
for State Traffic Engineer

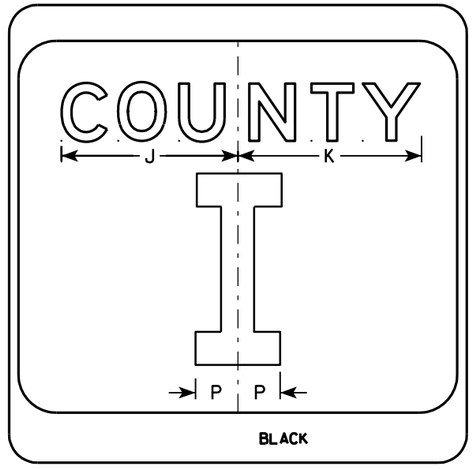
DATE 3/16/18 PLATE NO. M1-4.10

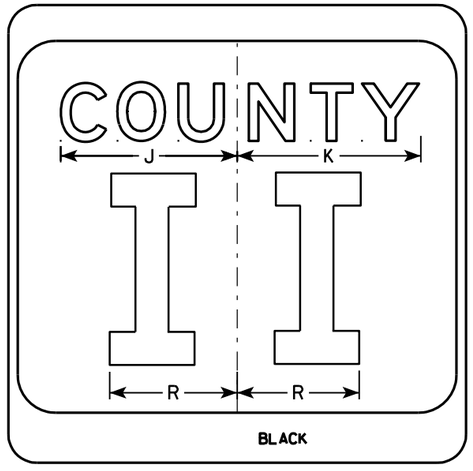
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 332	E



M1-5A







NOTES

1. Sign is Type II - see Note 7 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 7
   Message - Black
3. Message Series - see Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. 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.
6. Substitute appropriate letters & optically center to achieve proper balance.
7. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective

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
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

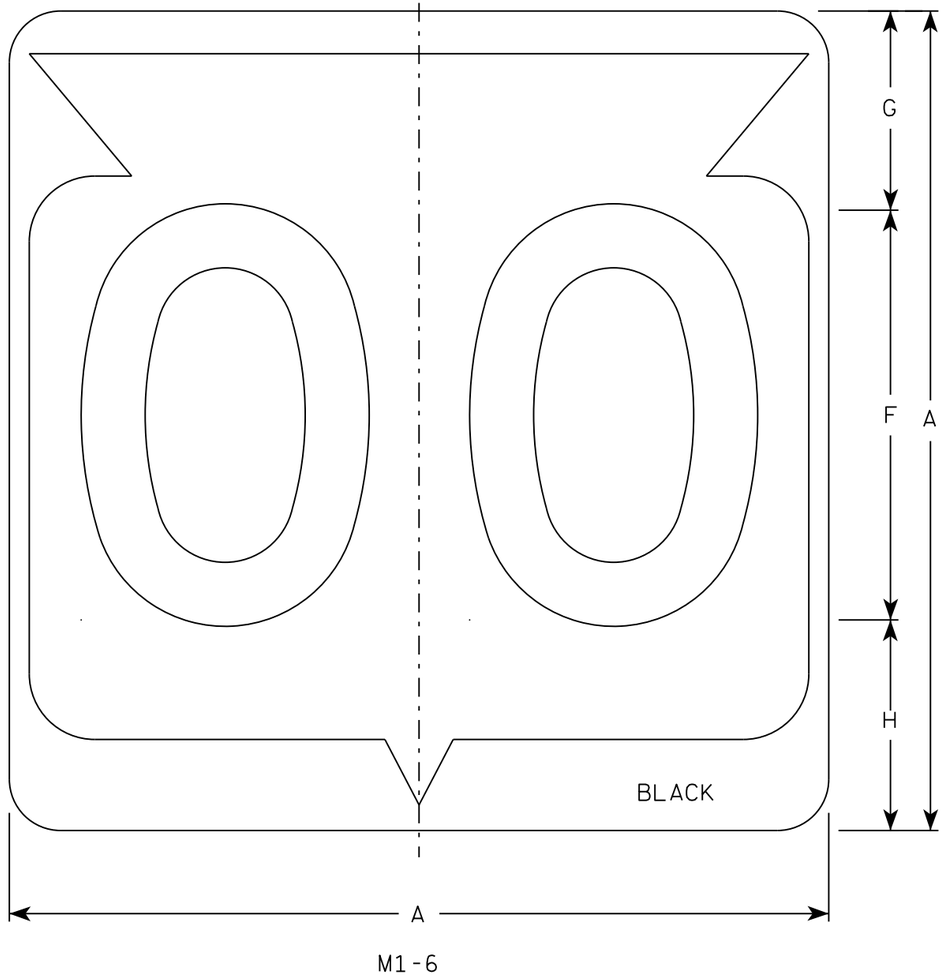
CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/27/11 PLATE NO. M1-5A.8

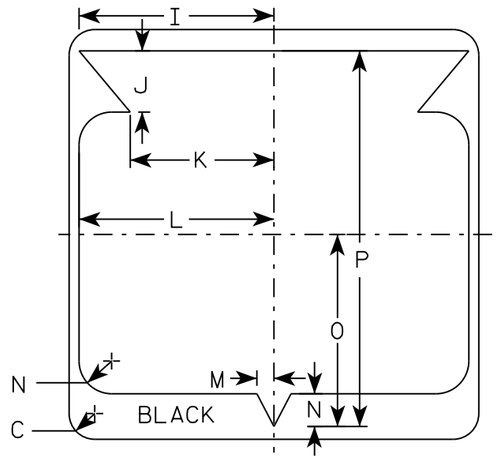
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 333	E



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
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																											
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
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

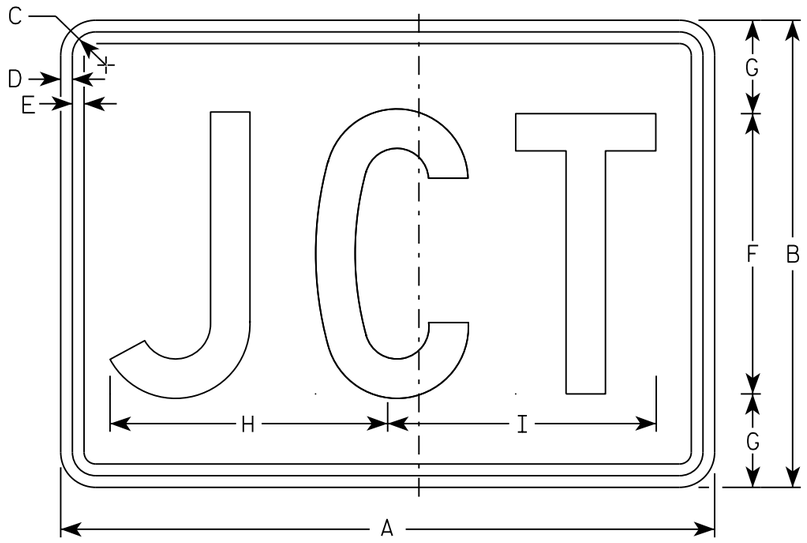
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

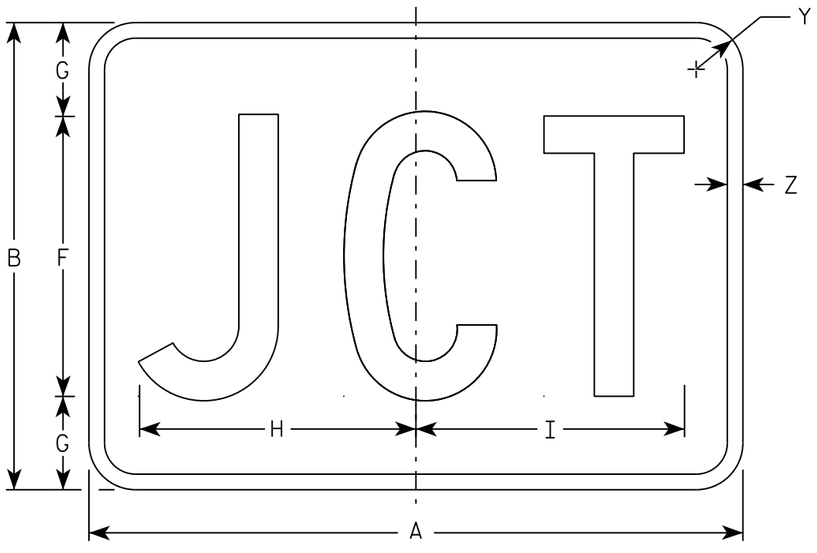
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-6.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 334 | E



M2-1
MM2-1
MP2-1



MB2-1
MK2-1
MN2-1
MR2-1

NOTES

1. Sign is Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M2-1 Background - White
   Message - Black
   MB2-1 Background - Blue
   Message - White
   MK2-1 Background - Green
   Message - White
   MM2-1 Background - White
   Message - Green
   MN2-1 Background - Brown
   Message - White
   MP2-1 Background - White
   Message - Blue
   MR2-1 Background - Brown
   Message - Yellow

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	21	15	1 1/8	3/8	3/8	9	3	8 7/8	8 5/8																1 1/2	1/2	2.20
3	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
4	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
5	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40

STANDARD SIGN
M2-1

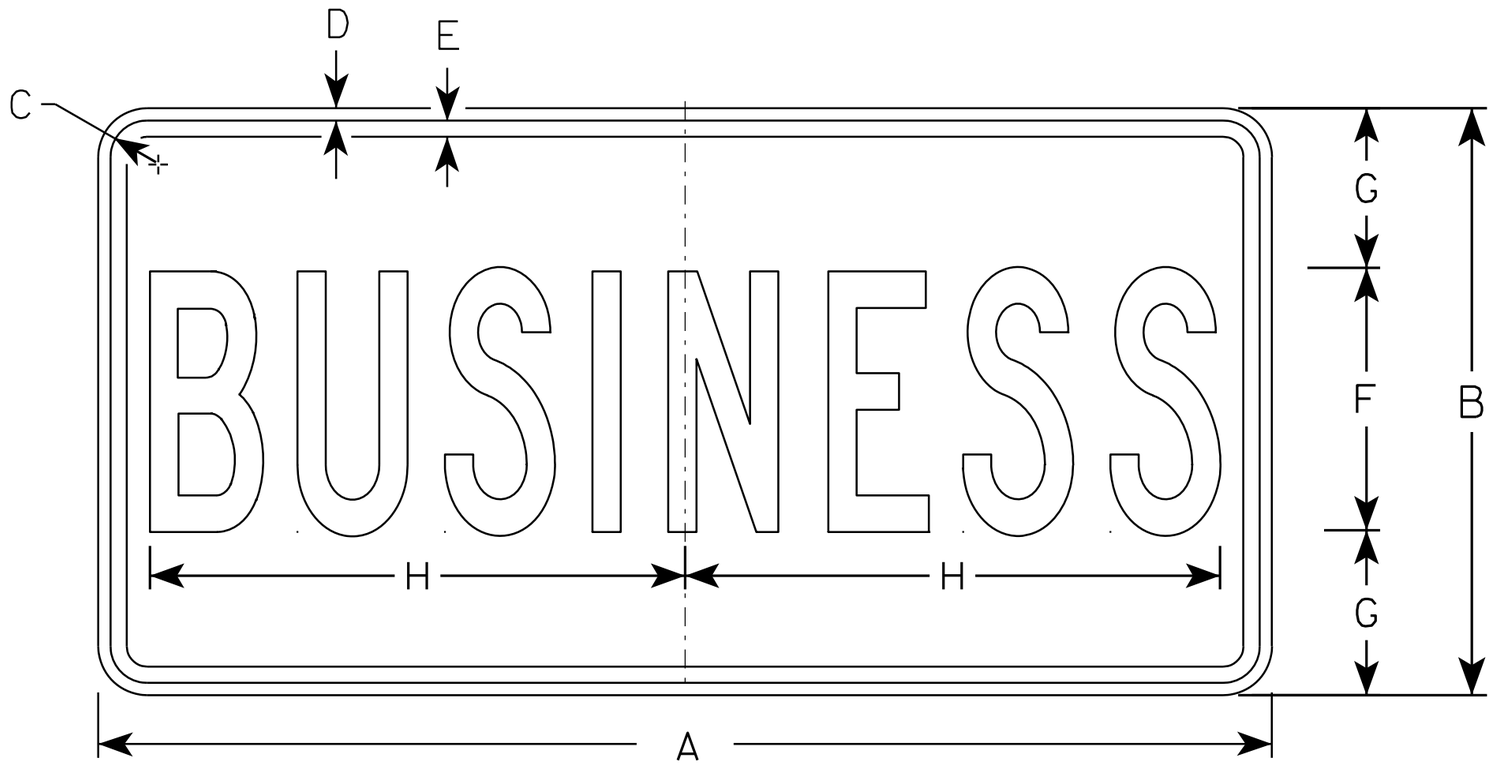
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 335 12-1.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M21.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 4.864603:1.000000



M4-3

NOTES

1. Sign is Type II - See Note 5 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White - See Note 5
   Message - Black
3. Message Series - B
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. Permanent Signs
   Background - Type H Reflective
   Detour or other temporary Signs
   Background - Reflective

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	12	1 1/8	3/8	3/8	5	3 1/2	9 5/8																			2.0
3	36	18	1 1/8	3/8	1/2	8	5	16 3/8																			4.5
4																											
5																											

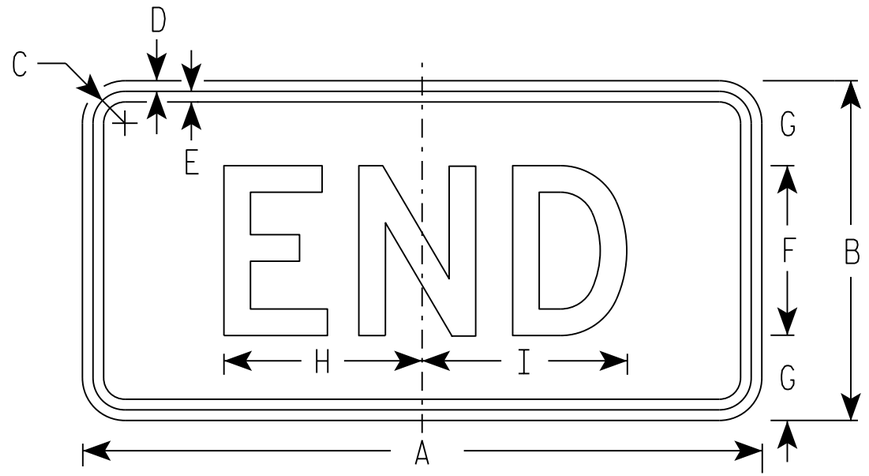
STANDARD SIGN
M4-3

WISCONSIN DEPT OF TRANSPORTATION

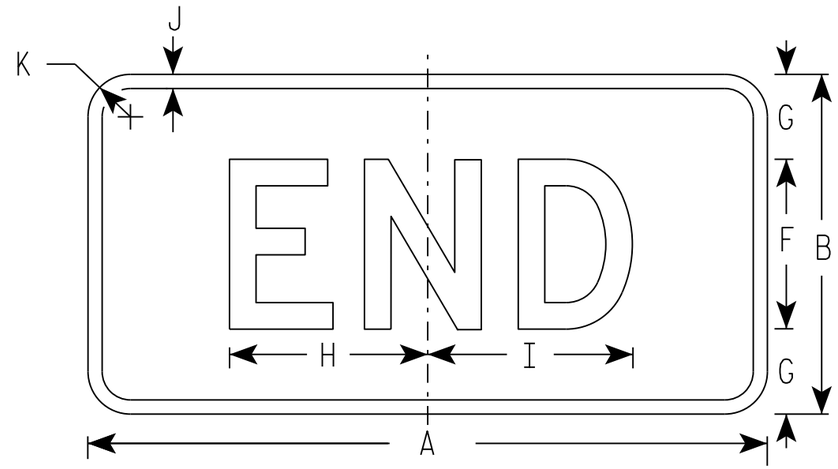
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-3.5

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 336 | E



M4-6
MM4-6
MP4-6



MB4-6
MK4-6
MN4-6
MR4-6

NOTES

1. Sign is Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
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. M4-6 Background - White
   Message - Black

   MB4-6 Background - Blue
   Message - White

   MK4-6 Background - Green
   Message - White

   MM4-6 Background - White
   Message - Green

   MN4-6 Background - Brown
   Message - White

   MP4-6 Background - White
   Message - Blue

   MR4-6 Background - Brown
   Message - Yellow

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	12	1 1/8	3/8	3/8	6	3	7	7 1/4	1/2	1 1/2																2.00
3	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 7/8	1/2	1 1/2																4.5
4	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 7/8	1/2	1 1/2																4.5
5	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 7/8	1/2	1 1/2																4.5

STANDARD SIGN
M4-6

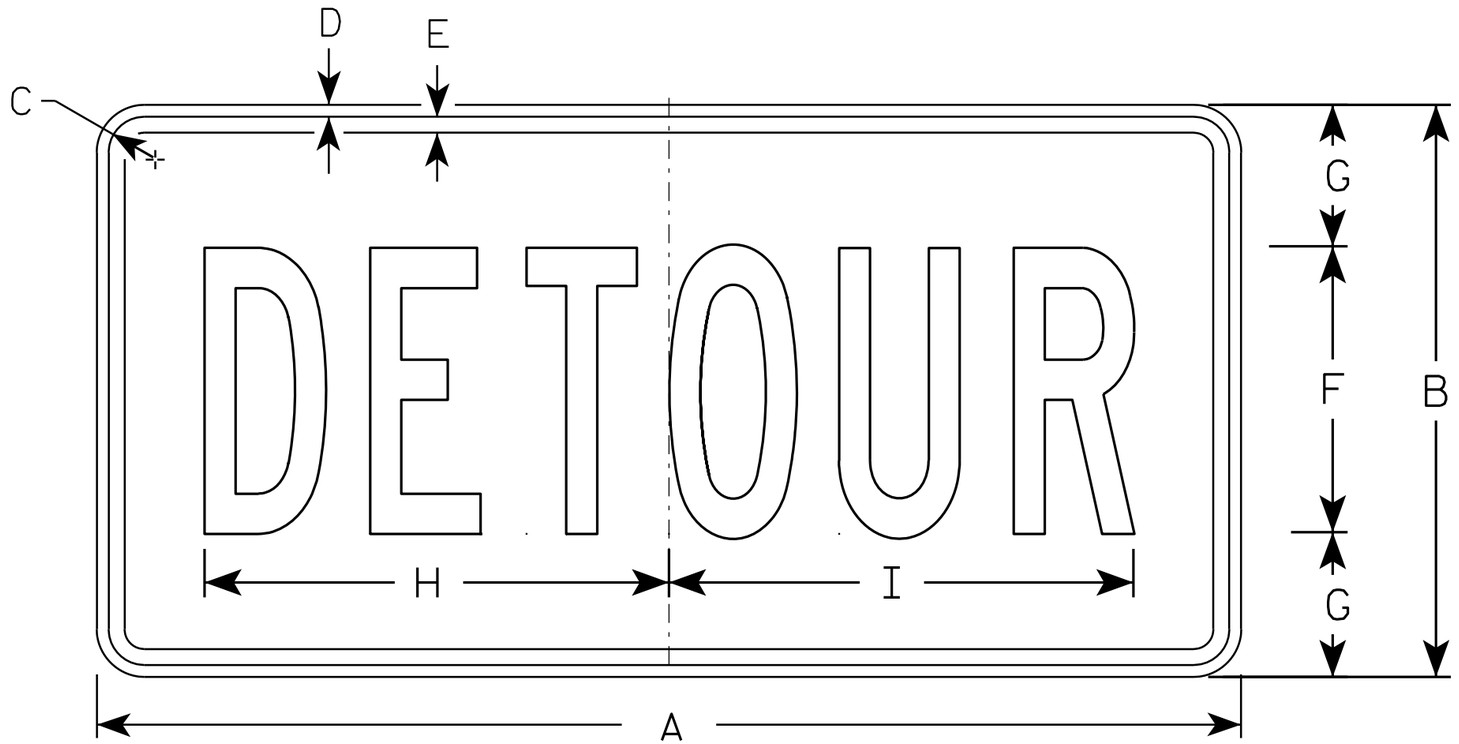
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 337 '14-7.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M46.DGN PLOT DATE : 01-DEC-2015 17:55 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 5.351066:1.000000



M4-8

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
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																											
2	24	12	1 1/8	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/8	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4																											
5																											

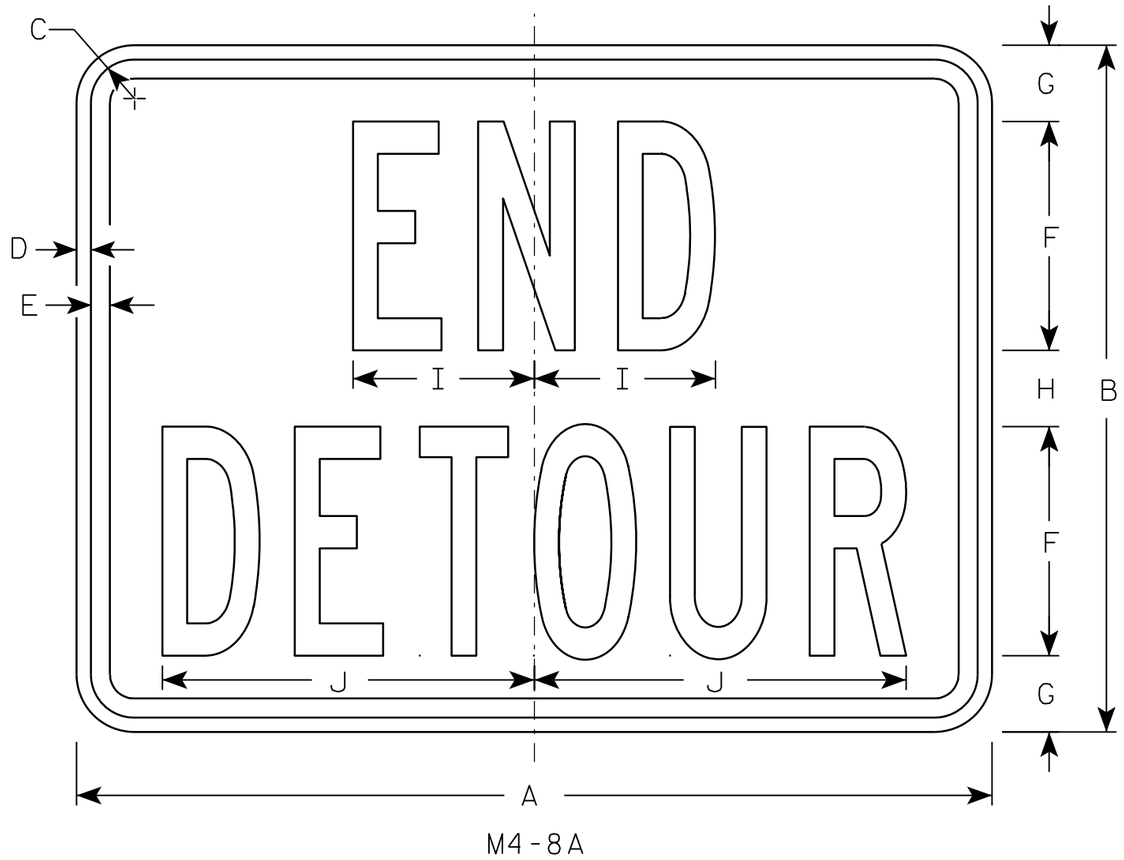
STANDARD SIGN
M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-8.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 338	E



M4-8A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
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																											
2	24	18	1 1/8	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
3	30	24	1 1/8	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4																											
5																											

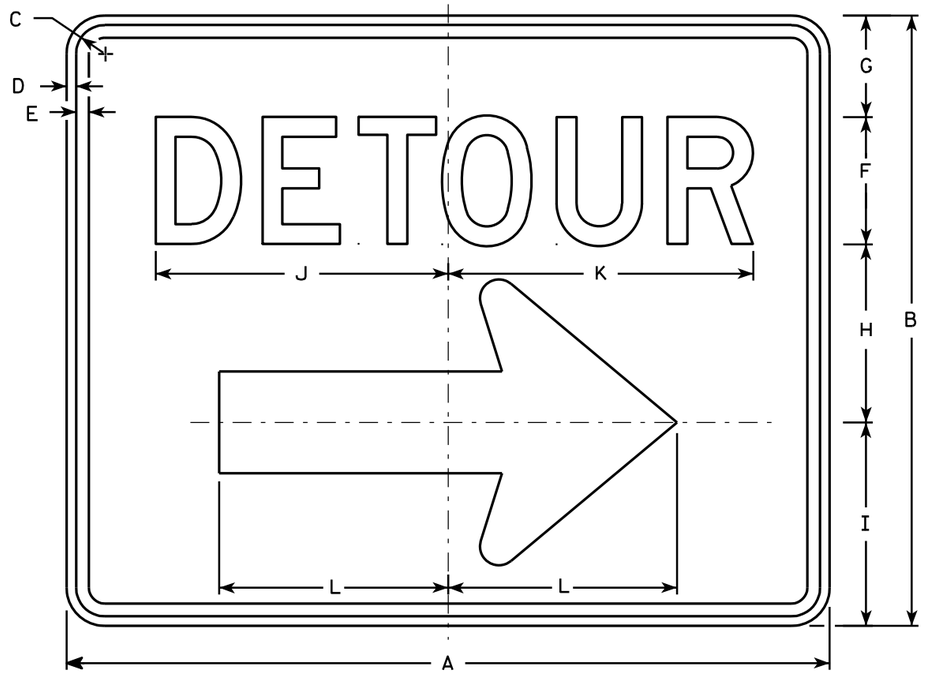
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2

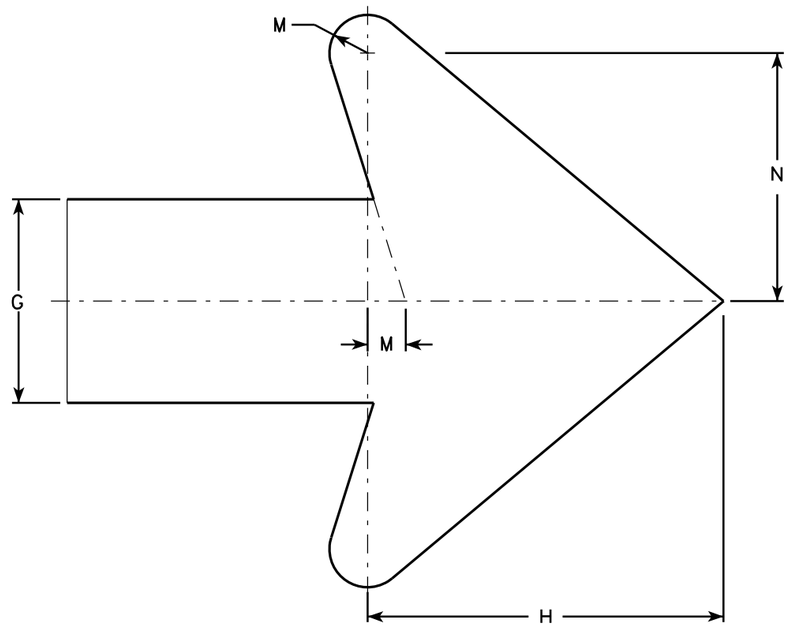
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 339	E



M4-9R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. 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. M4-9L is the same as M4-9R except the arrow is reversed.



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																											
2	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
3	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
4	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0
5	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0

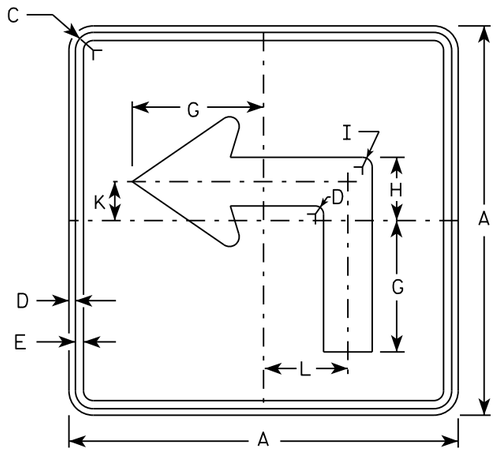
STANDARD SIGN
M4-9 R & L

WISCONSIN DEPT OF TRANSPORTATION

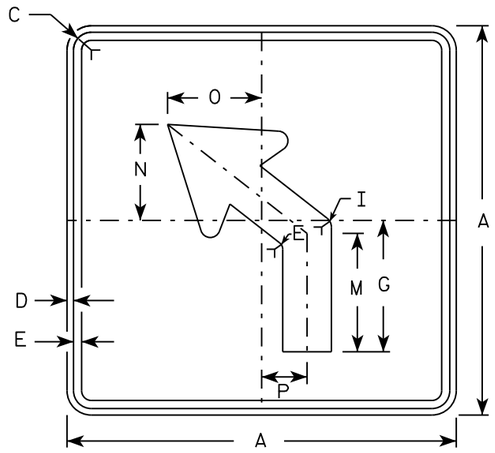
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-9R.4

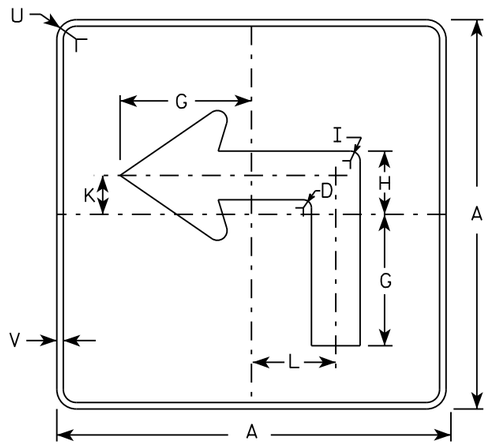
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 340 | E



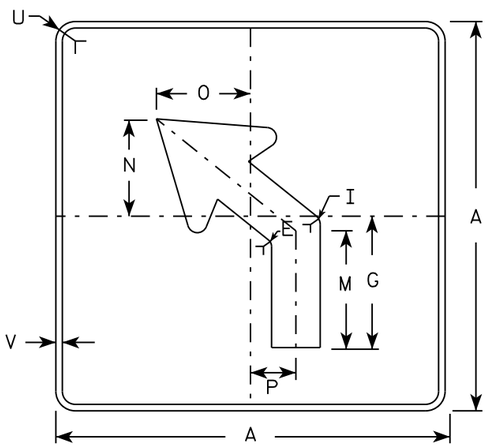
M5-1L
MM5-1L
MO5-1L
MP5-1L



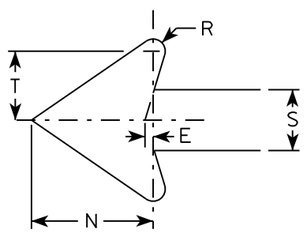
M5-2L
MM5-2L
MO5-2L
MP5-2L



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 - Type H Reflective
   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.

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	21		1 1/8	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 1/2	1/2					3.06
3	30		1 3/8	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 7/8	1/2					6.25
4	30		1 3/8	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 7/8	1/2					6.25
5	30		1 3/8	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 7/8	1/2					6.25

STANDARD SIGN
M5-1 & M5-2

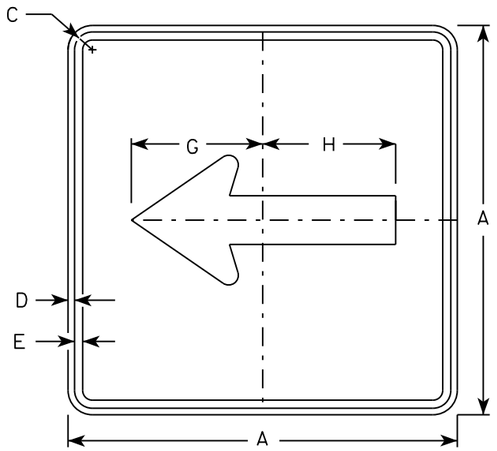
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

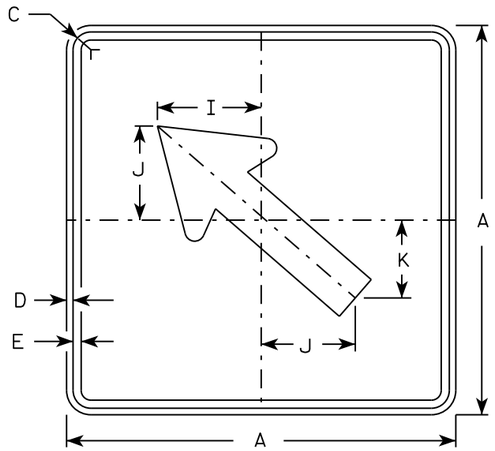
DATE 10/15/15 PLATE NO. M5-1.13

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M51.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



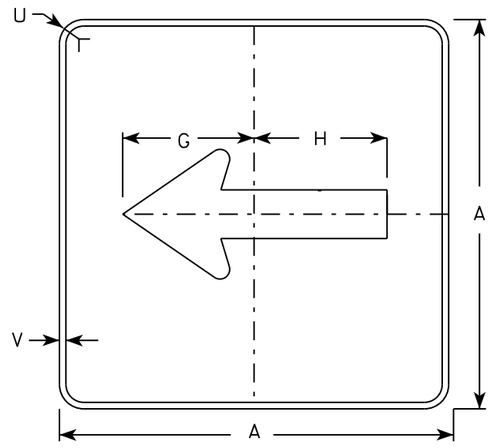
M6-1
MM6-1
MO6-1
MP6-1



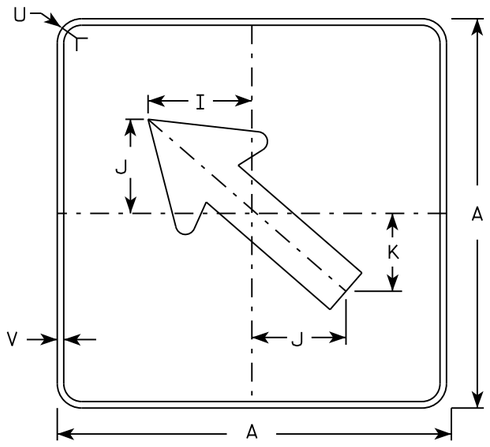
M6-2
MM6-2
MO6-2
MP6-2

NOTES

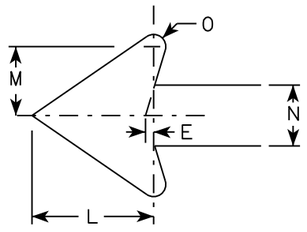
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   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



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



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



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	21		1 1/8	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 1/2	1/2						3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25

STANDARD SIGN
M6-1 & M6-2
SERIES

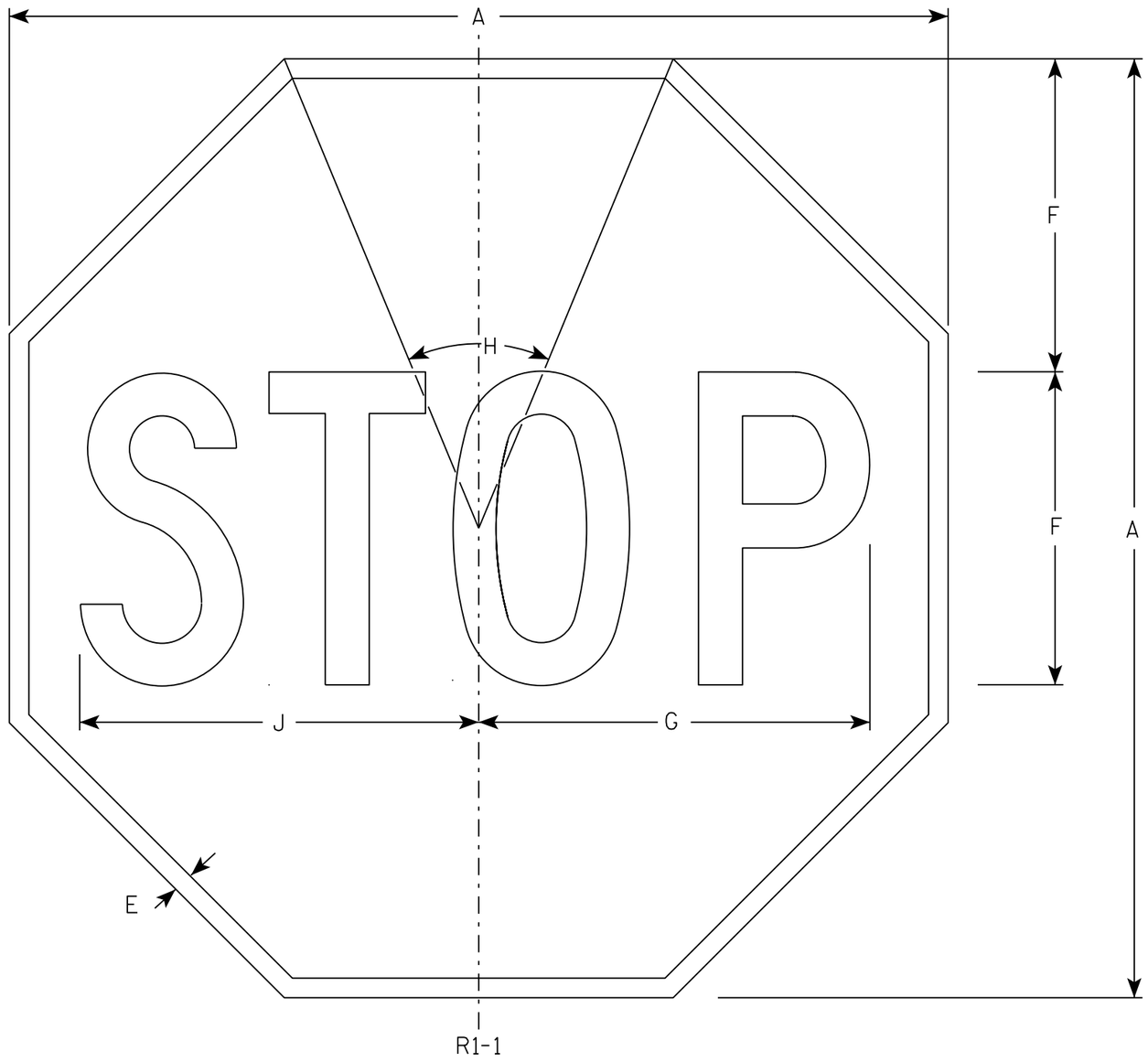
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 342 M6-1.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M61.DGN PLOT DATE : 01-DEC-2015 17:57 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - 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
7	12				1/4	4	5	45°		5 1/8																	0.78

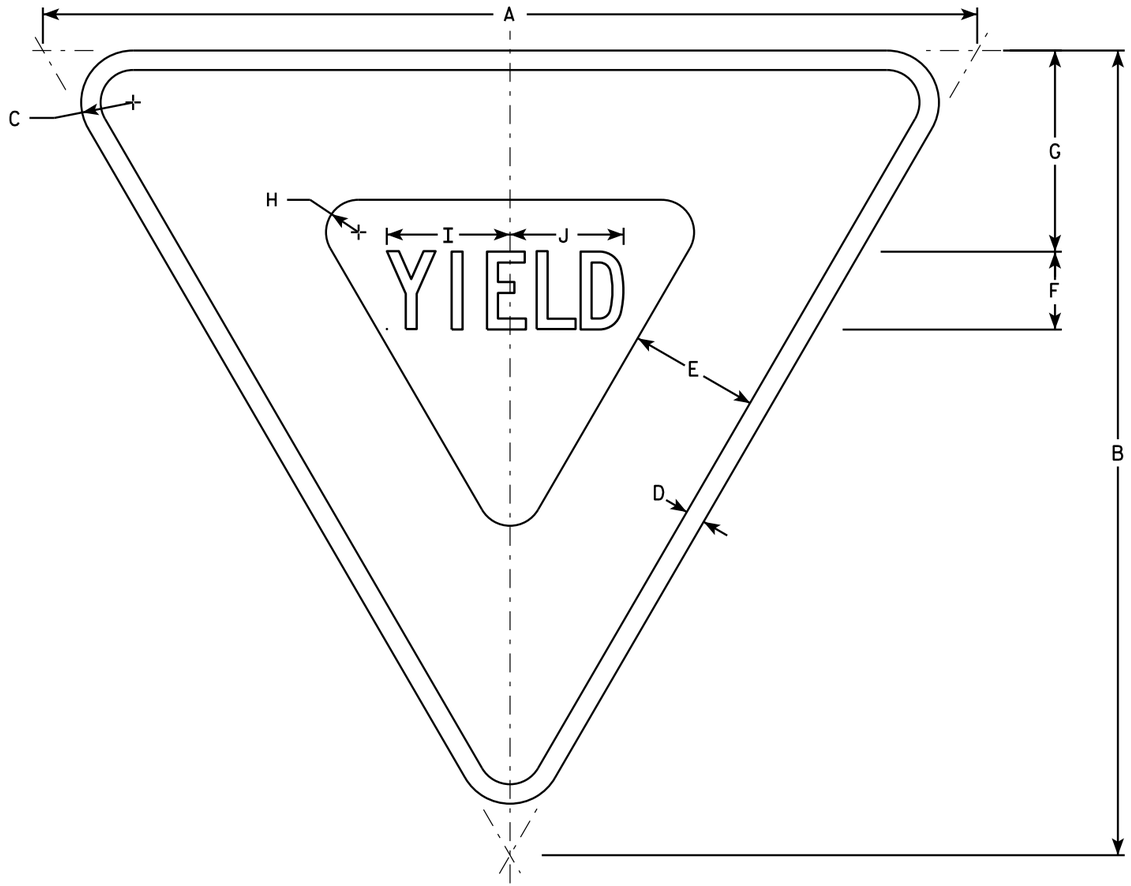
STANDARD SIGN
R1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 343	E



R1-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 5
3. Message Series - 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. The border strip and word message are reflectorized red.

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	26	1 1/2	5/8	4	2 1/2	6 3/8	7/8	4	3 5/8																	2.71
2S	36	31	2	3/4	5	3	7 3/4	1 1/4	4 3/4	4 3/8																	3.88
2M	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
3	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
4	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
5	60	52	3	1 1/2	8	5	13	2 1/2	7 7/8	7 1/4																	10.83
6																											
7	18	15 1/2	1	3/8	2 1/2	1 1/2	3 7/8	5/8	2 3/8	2 1/4																	0.97

STANDARD SIGN
R1-2

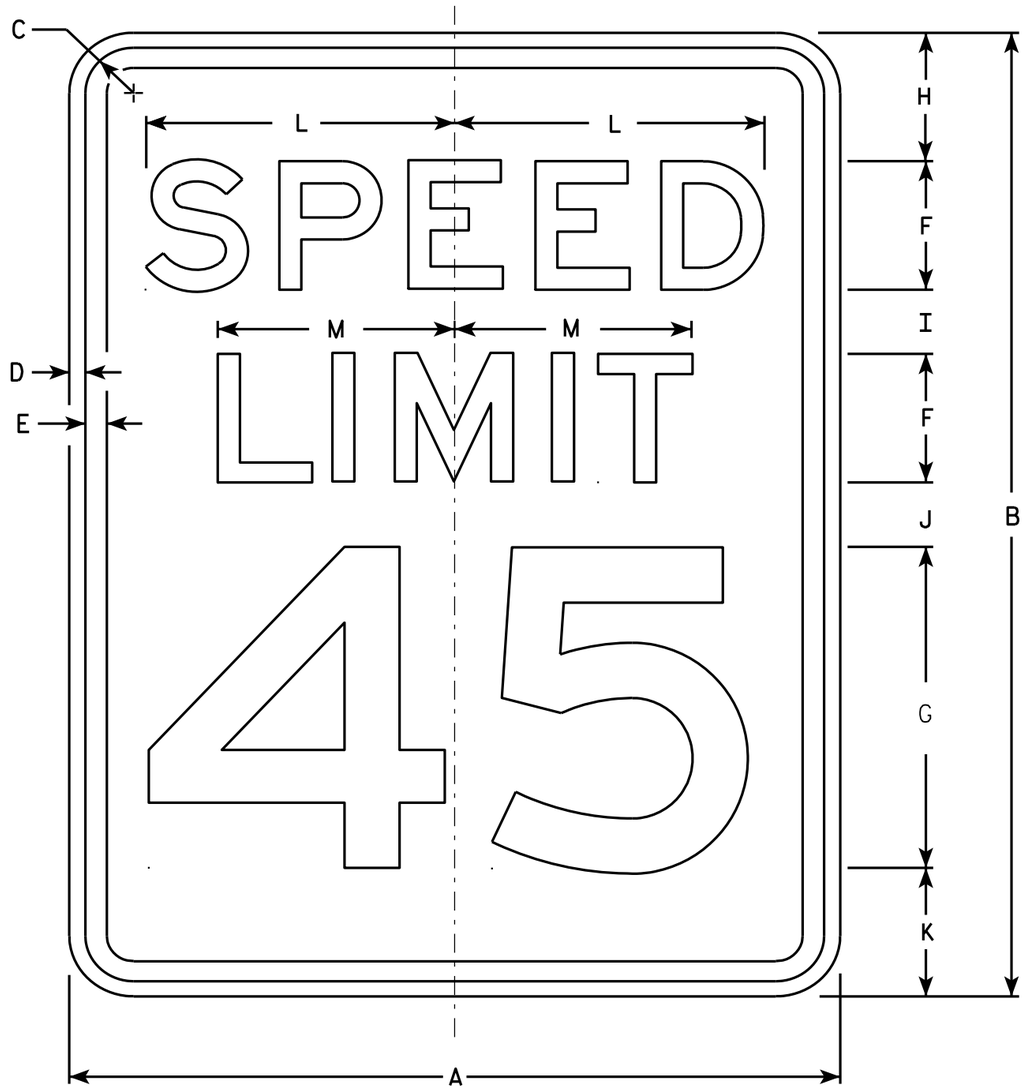
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/13/14 PLATE R1-2.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R12.DGN PLOT DATE : 13-OCT-2014 15:12 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.837526:1.000000
WISDOT/CADDS SHEET 42



R2-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. 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	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

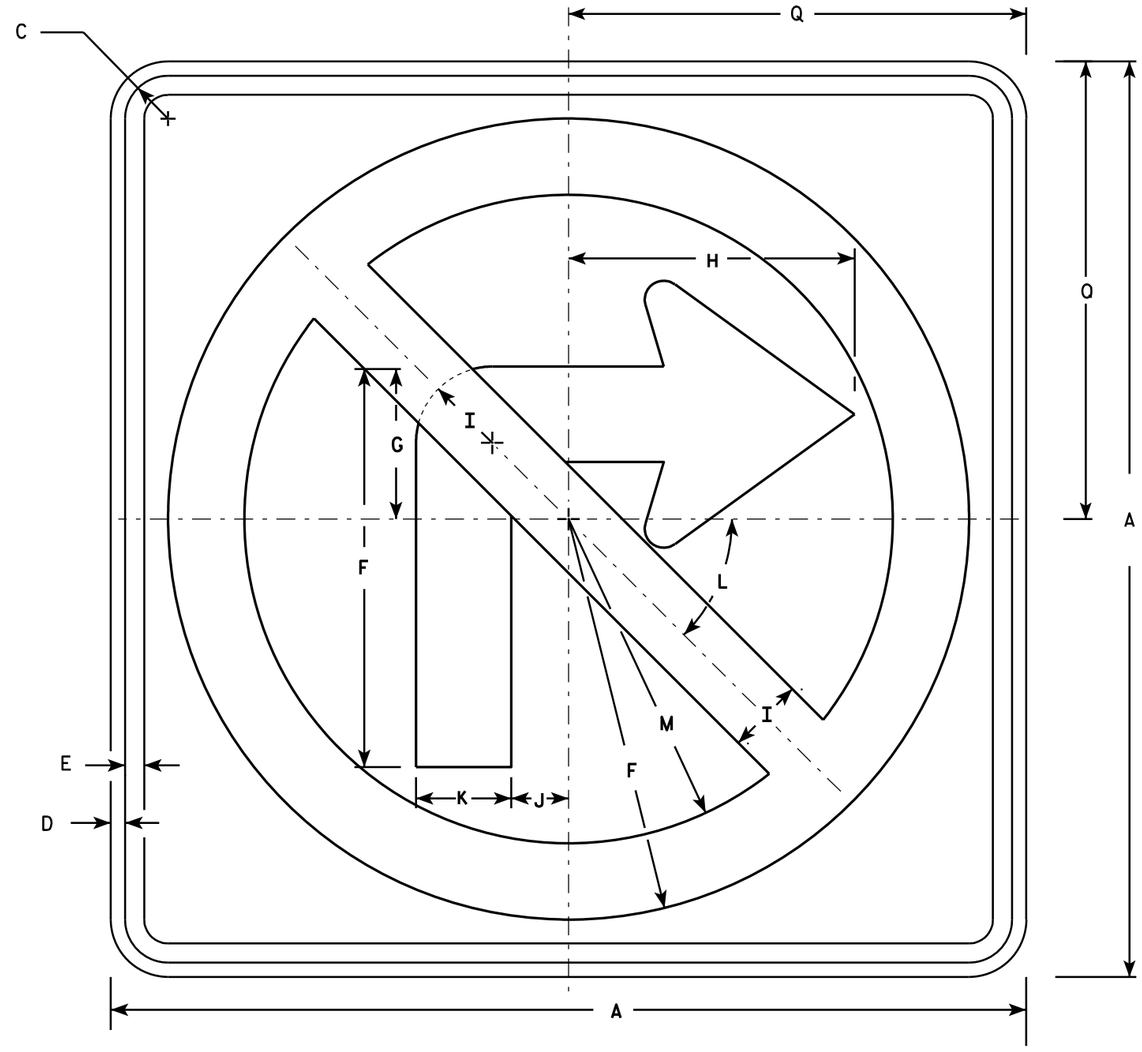
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

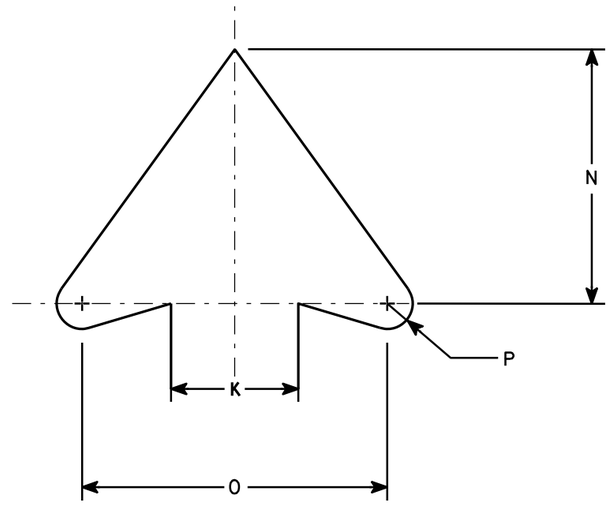
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 345 | E



R3-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	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 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45	8 1/2	5	6	1/2	12										4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2	12										4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4	18										9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1	24										16.0

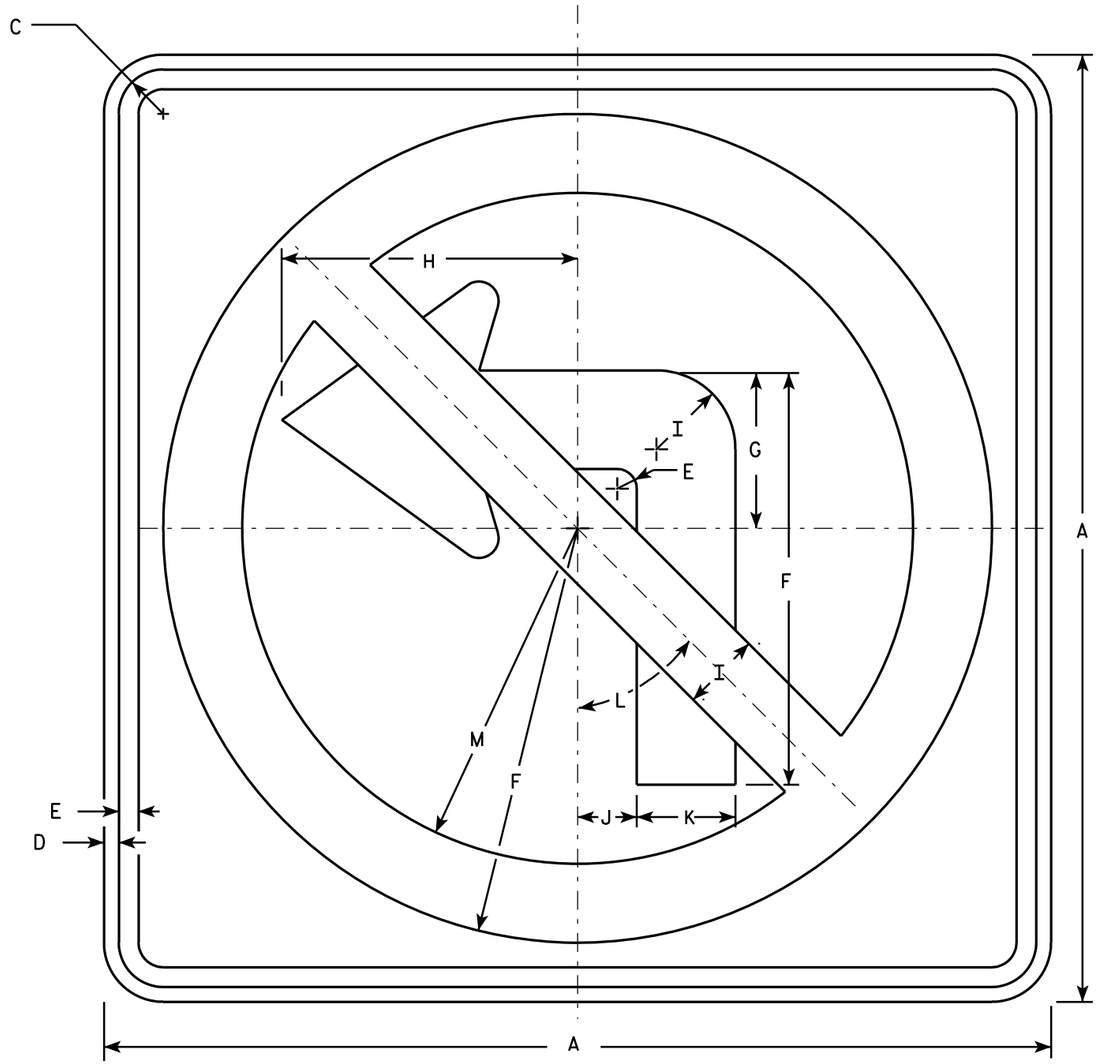
STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-1.5

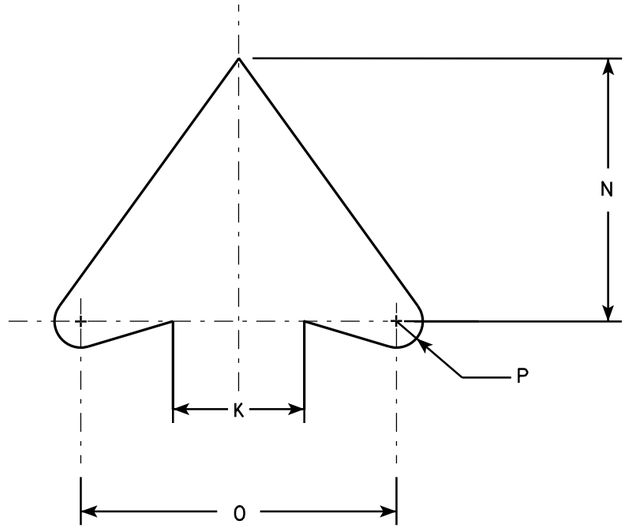
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 346	E



R3-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	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 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

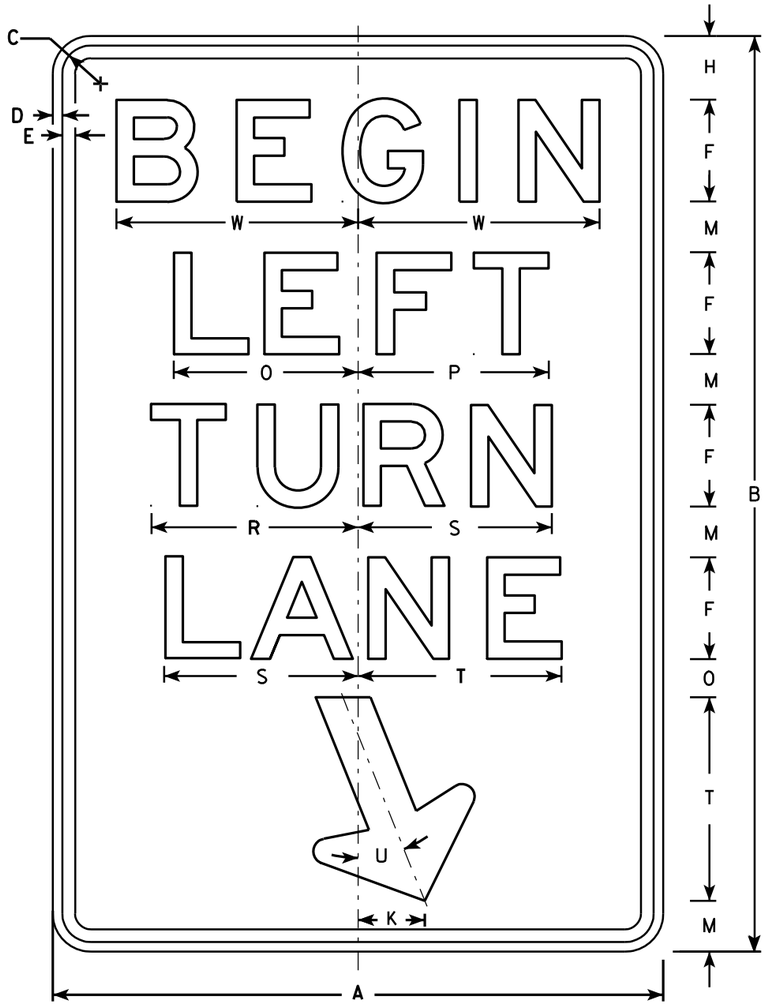
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-2.10

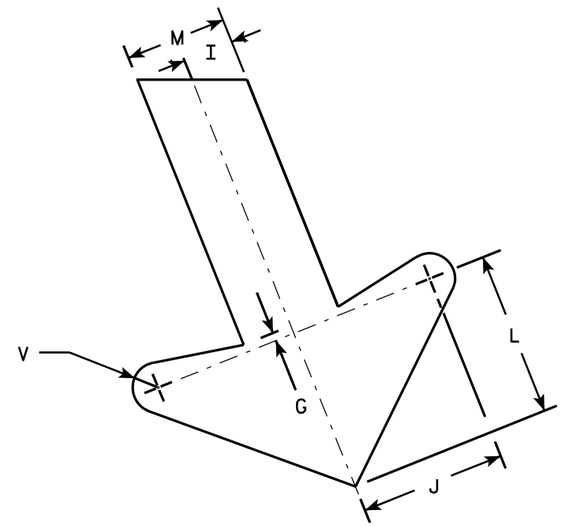
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 347	E



R3-20L

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW 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	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	10 7/8	11 1/4		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

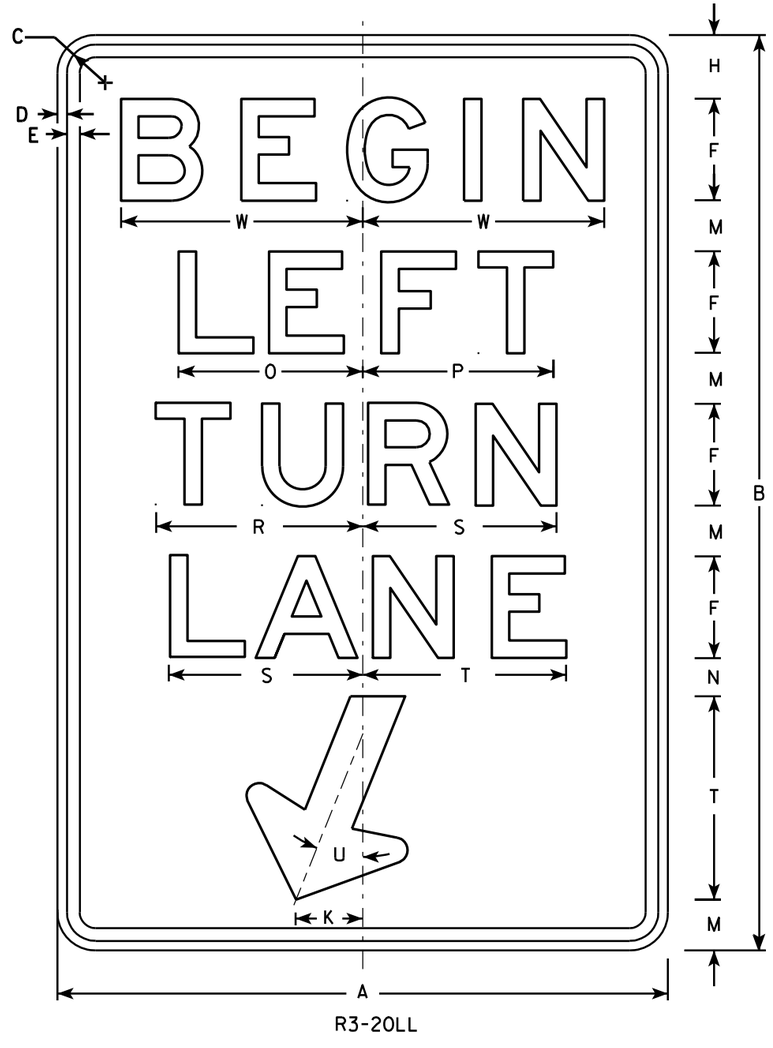
STANDARD SIGN
R3-20L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

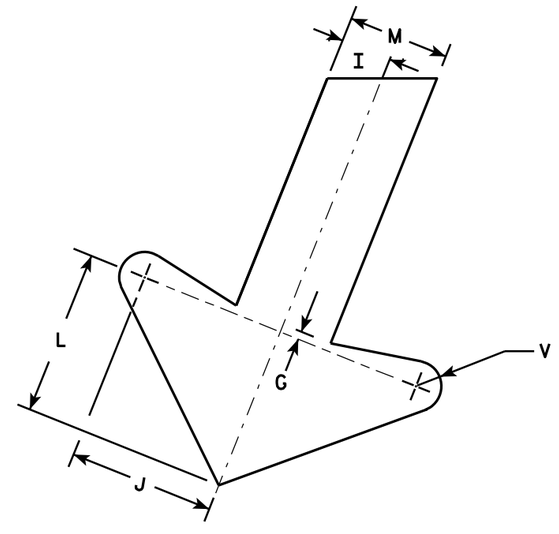
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 348 | E



R3-20LL

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW 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	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	10 7/8	11 1/4		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

STANDARD SIGN
R3-20LL

WISCONSIN DEPT OF TRANSPORTATION

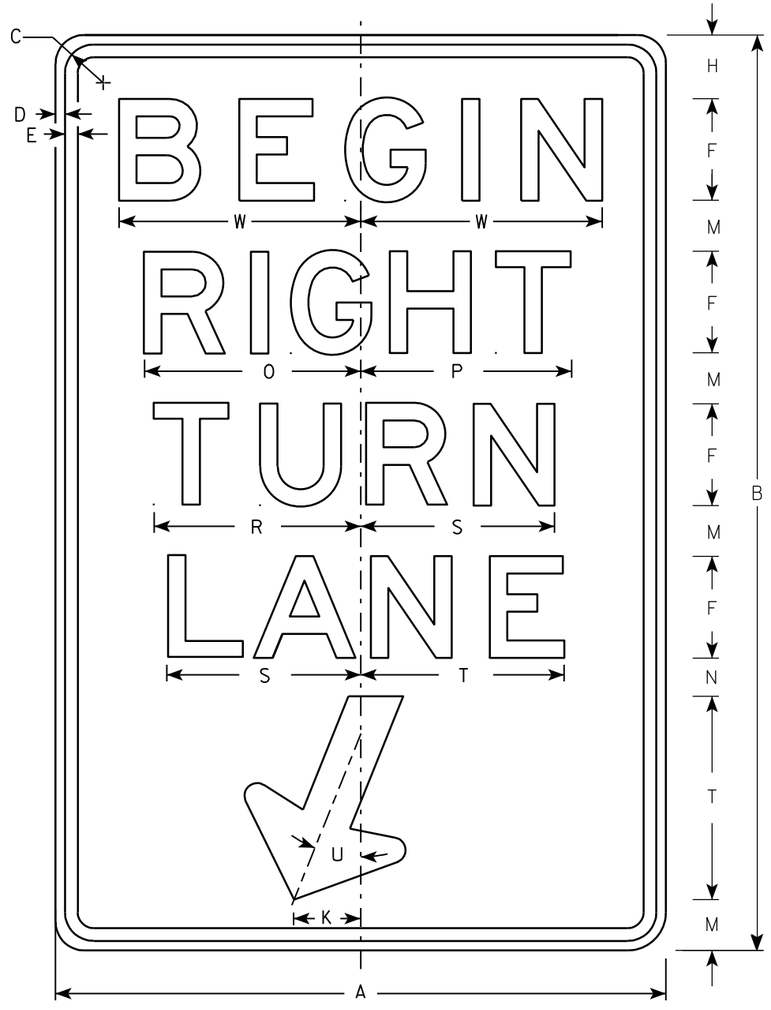
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20LL.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 349	E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R320LL.DGN PLOT DATE : 15-OCT-2010 14:38 PLOT BY : dotsja PLOT NAME : PLOT SCALE : 5.959043:1.000000

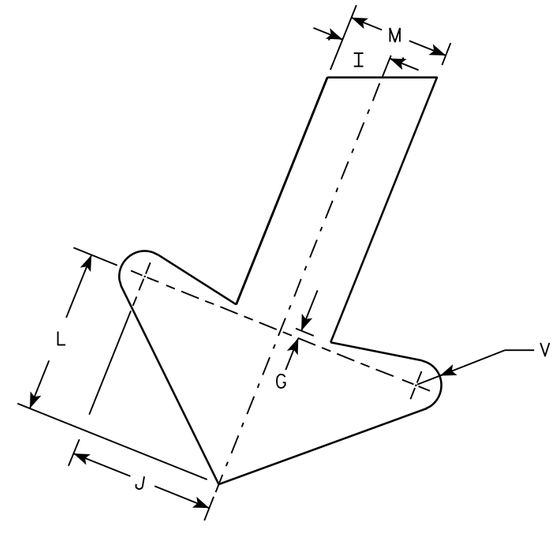
WISDOT/CADDS SHEET 42



R3-20R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW 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	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	12 3/4	12 1/2		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

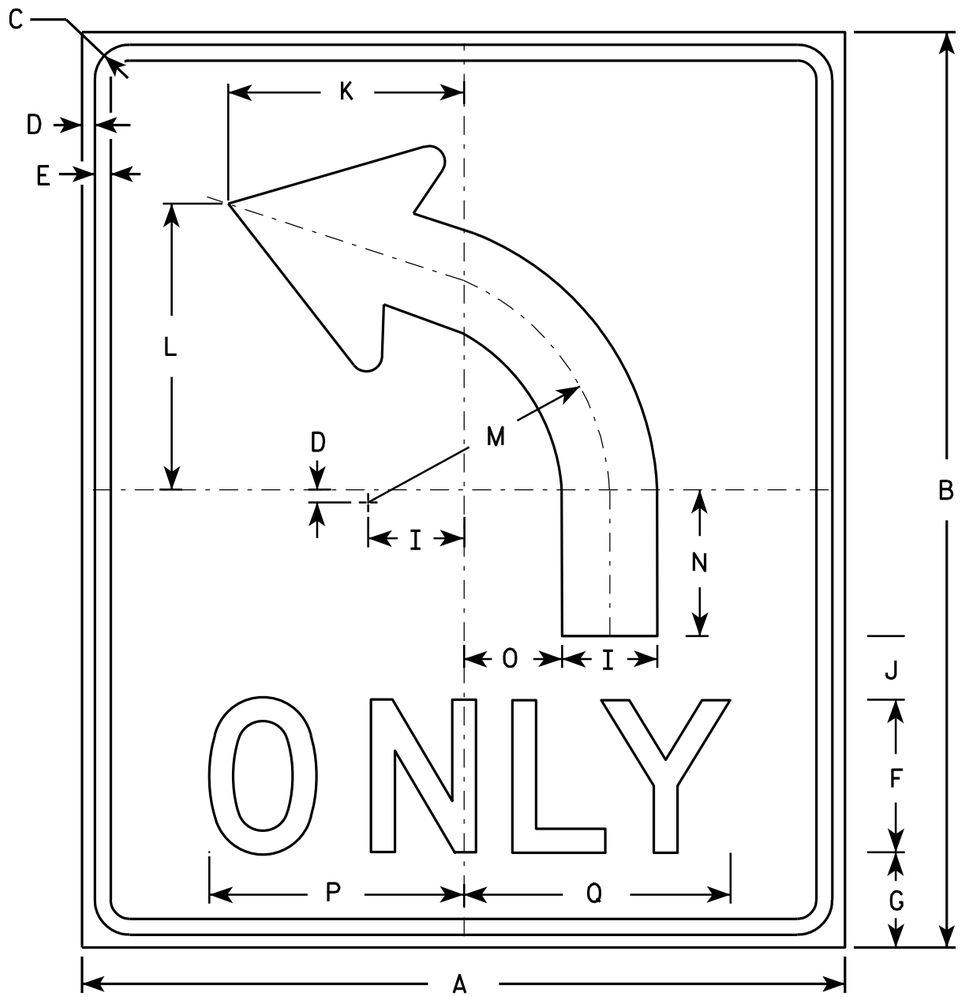
STANDARD SIGN
R3-20R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20R.6

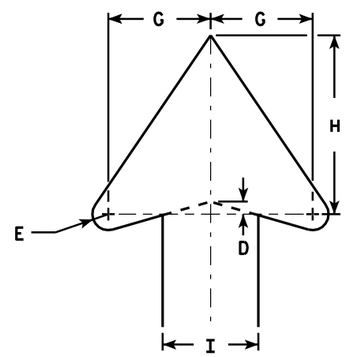
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 350 | E



R3-50L

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - 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. R3-50R is the same as R3-50L except curved portion of arrow points 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	30	36	1 3/8	1/2	5/8	6	4	7	3 3/4	2 1/2	9 1/4	11 1/4	9 1/2	5 3/4	3 7/8	10	10 1/2										7.5
2M	30	36	1 3/8	1/2	5/8	6	4	7	3 3/4	2 1/2	9 1/4	11 1/4	9 1/2	5 3/4	3 7/8	10	10 1/2										7.5
3																											
4																											
5																											

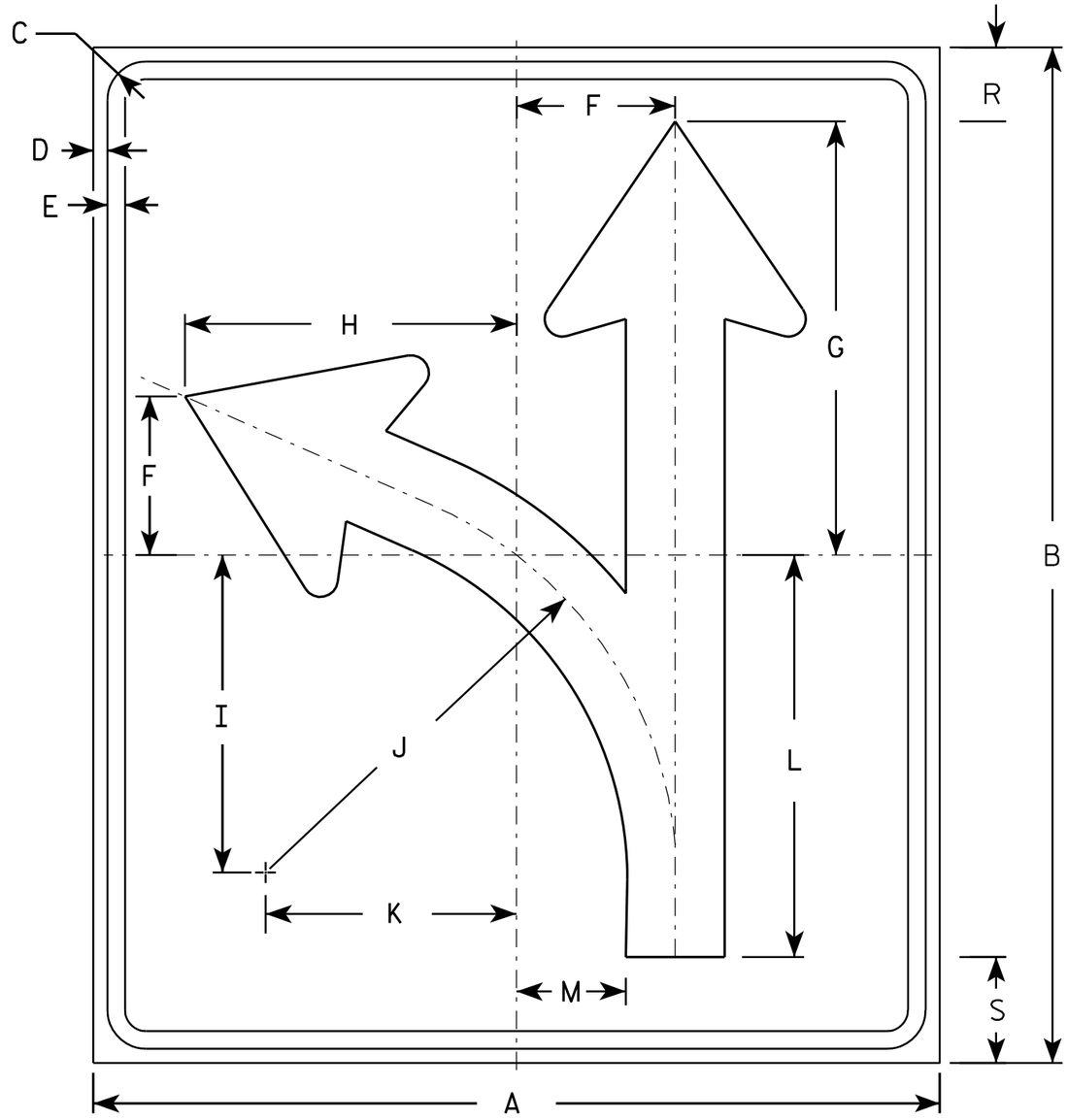
STANDARD SIGN
R3-50

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/24/2011 PLATE NO. R3-50.2

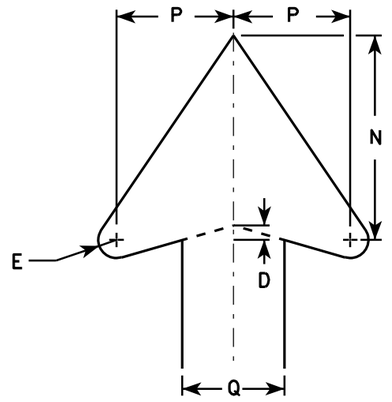
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 351 | E



R3-60L

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. 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. R3-60R is the same as R3-60L except curved portion of arrow points to 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	30	36	1 3/8	1/2	5/8	5 5/8	15 3/8	11 1/4	5 3/8	14 1/2	8 7/8	14 1/4	3 7/8	7		4	3 1/2	2 5/8	3 3/4								7.5
2M	30	36	1 3/8	1/2	5/8	5 5/8	15 3/8	11 1/4	5 3/8	14 1/2	8 7/8	14 1/4	3 7/8	7		4	3 1/2	2 5/8	3 3/4								7.5
3																											
4																											
5																											

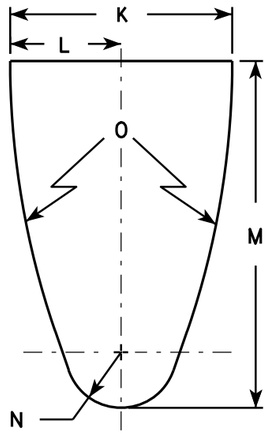
STANDARD SIGN
R3-60

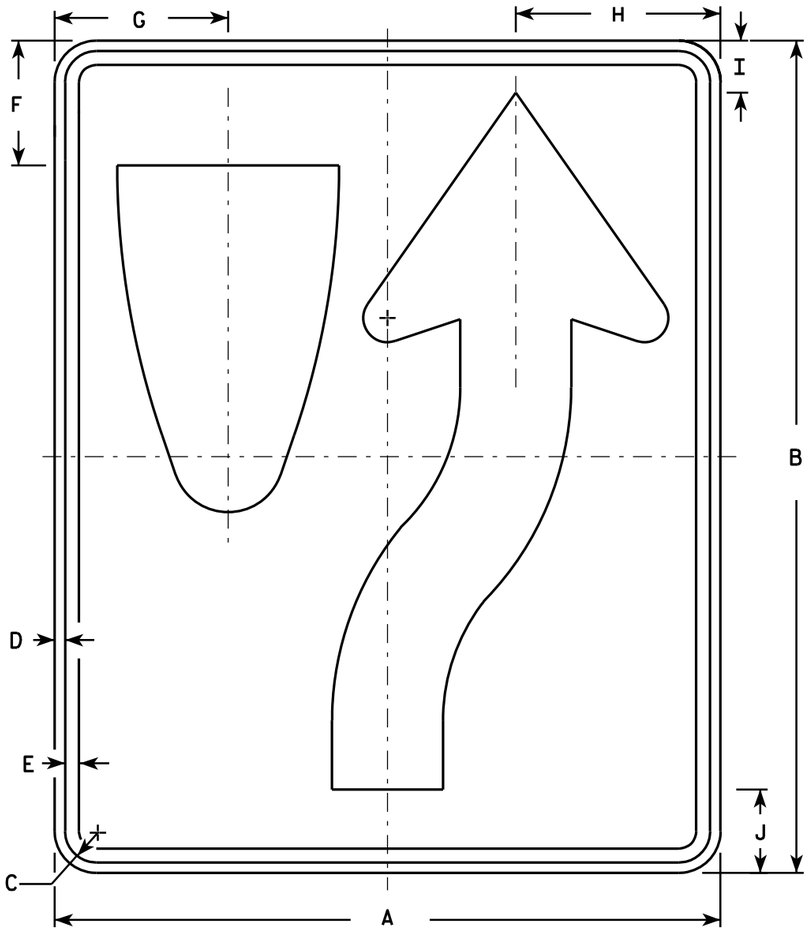
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R3-60.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 352	E

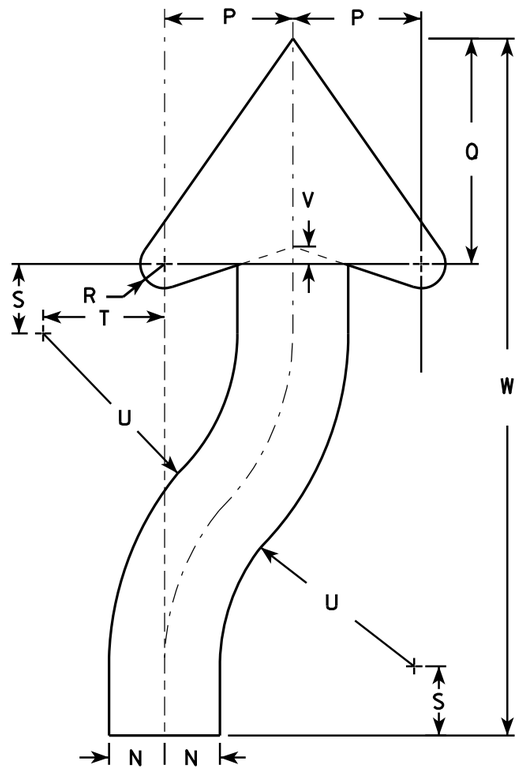




R4-7

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. material is plywood but borders shall be rounded
2. Color:
   Background - White
   Message - Black
3. Corners may be square or rounded when base as shown. When base material is metal, the corners and borders shall be rounded.
4. R4-8 is the same as R4-7 except Legend is reversed.



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	18	24	1 1/8	3/8	1/2	3 3/8	4 3/4	5 1/2	1 3/8	2 1/4	6	3	9 3/8	1 1/2	22 1/2	3 1/2	6 1/8	5/8	1 7/8	3 1/4	6 3/4	1/2	20 3/8				3.0
2S	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
2M	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
3	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
4	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
5	48	60	2 1/4	3/4	1	9	12 1/2	14 3/4	3 3/4	6	16	8	25	4	60	9 1/4	16 1/4	1 5/8	5	8 3/4	18	1 1/4	50 1/4				20.0

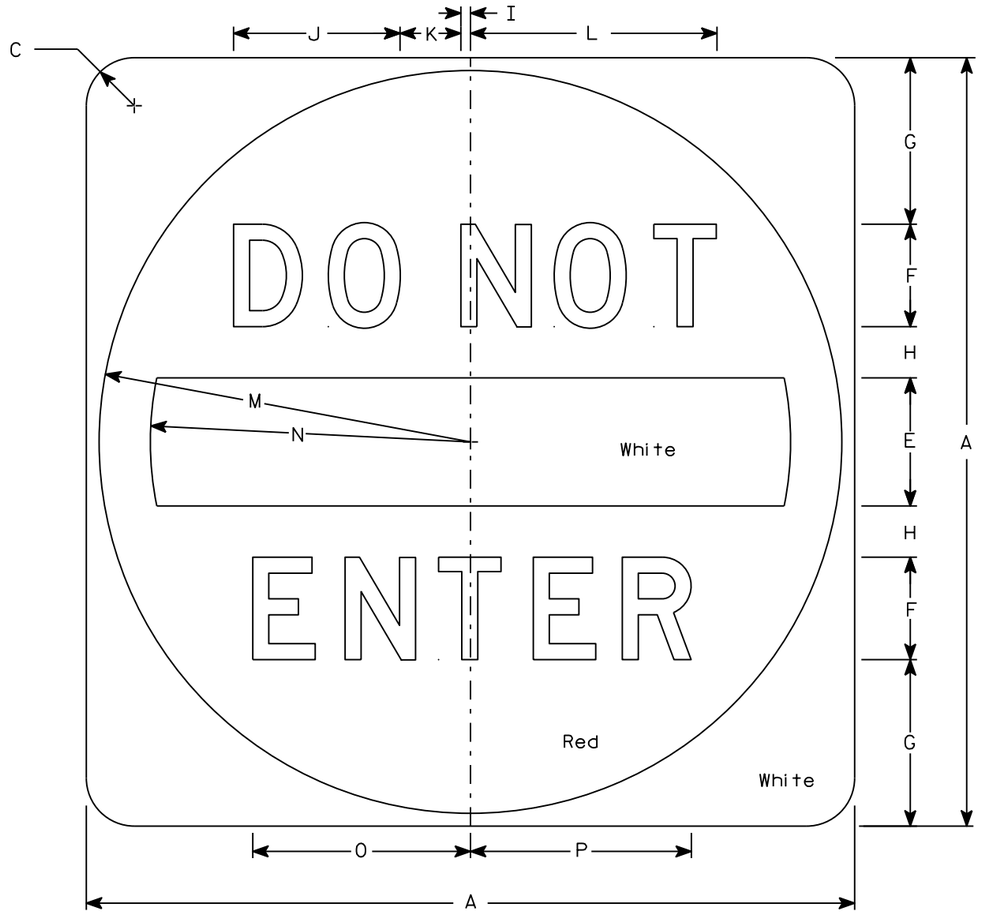
STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 353	E



R5-1

NOTES

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

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		1 7/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 5/8	14 1/2	12 1/2	8 1/2	8 5/8											6.25
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 7/8											16.0

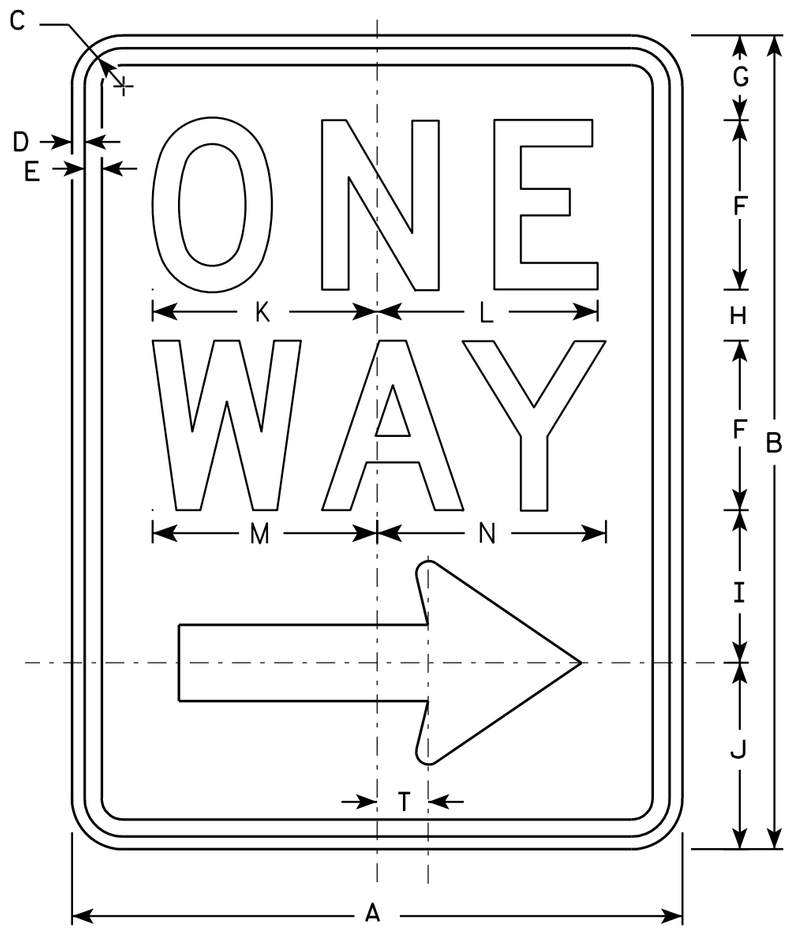
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/18 PLATE NO. R5-1.16

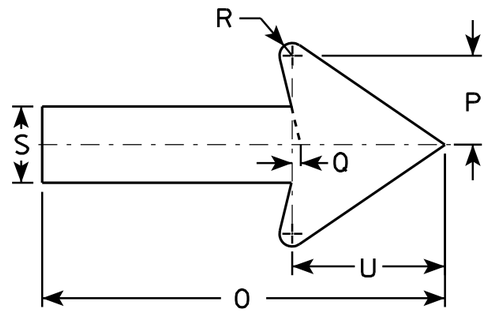
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 354 | E



R6-2R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - 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. R6-2L same as R6-2R except arrow points to the left.



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
1	18	24	1 1/8	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 1/2	6 5/8	6 1/2	6 5/8	6 3/4	11 7/8	2 5/8	1/4	3/8	2 1/4	1 1/2	4 1/2					
2S	24	30	1 1/8	3/8	1/2	6	3	2 1/2	5 1/2	7	8 1/8	8 1/8	8 1/2	8 5/8	16	3 1/2	3/8	1/2	3	2	6					
2M	30	36	1 3/8	1/2	5/8	8	2 1/2	2 5/8	6 7/8	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
4	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
5																										

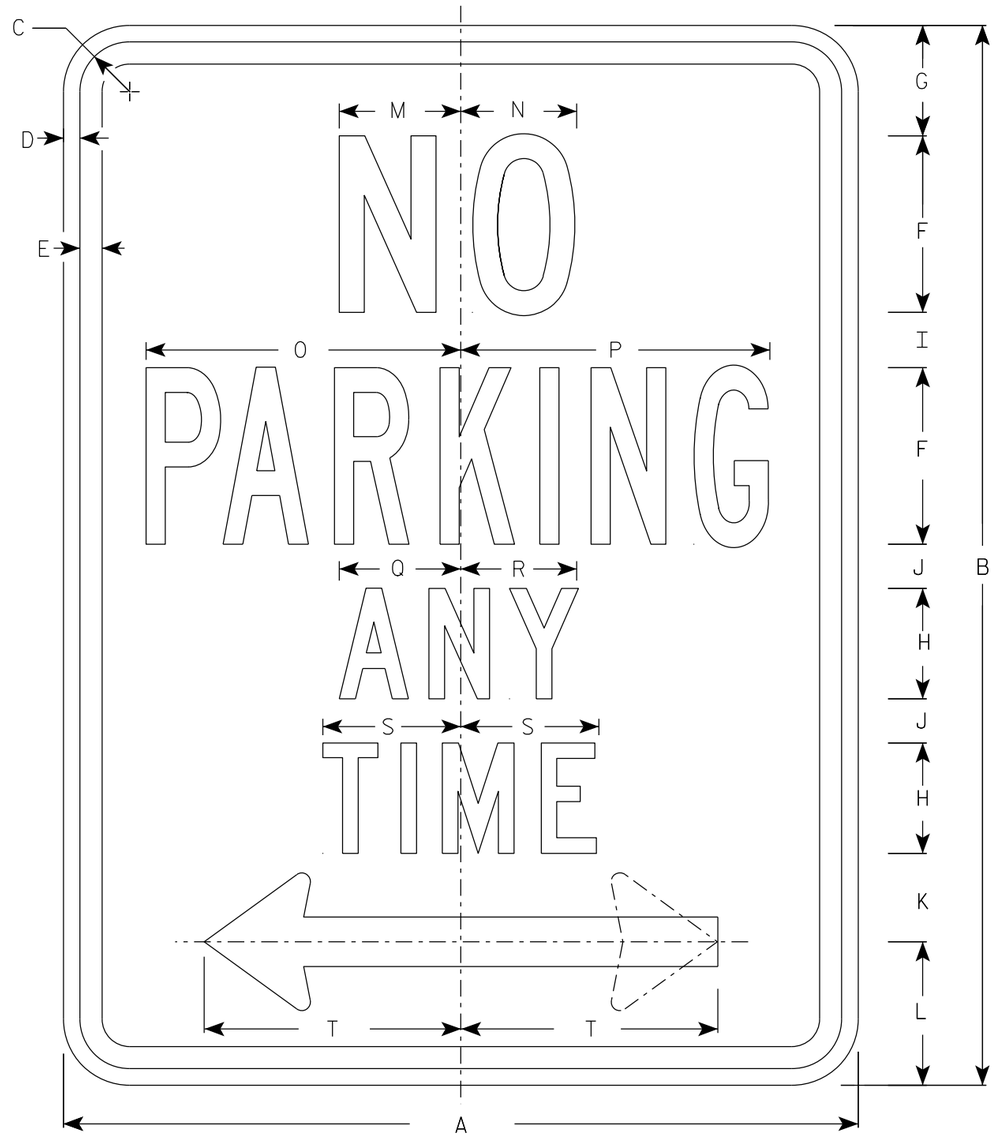
STANDARD SIGN
R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8

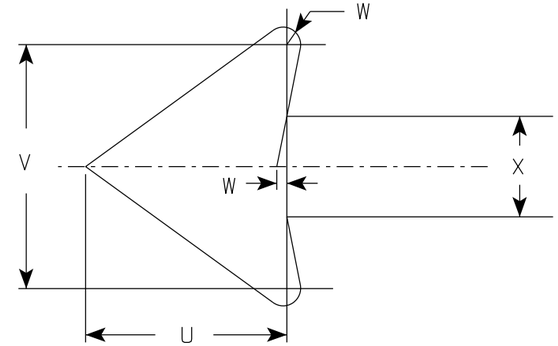
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 355	E



R7-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Red
3. Message Series - See Note 5
4. Lines 1, 3 and 4 are series C, line 2 is series B.
5. R7-1D (double arrow)
   R7-1L (left arrow)
   R7-1R (right arrow)



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 1/8	3/8	3/8	3	1 7/8	2	7/8	5/8	1 1/2	2 1/2	2	2	4 7/8	4 7/8	2 1/4	2 1/8	2 1/2	3 7/8	1 1/2	1 3/4	1/8	3/4			1.5
2S	18	24	1 1/8	3/8	1/2	4	2 1/2	2 1/2	1 1/4	1	2	3 1/4	2 3/4	2 5/8	7 1/8	7	2 3/4	2 5/8	3 1/8	5 7/8	2 1/4	2 5/8	1/4	1 1/8			3.0
2M	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
3	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
4																											
5																											

STANDARD SIGN
R7-1

WISCONSIN DEPT OF TRANSPORTATION

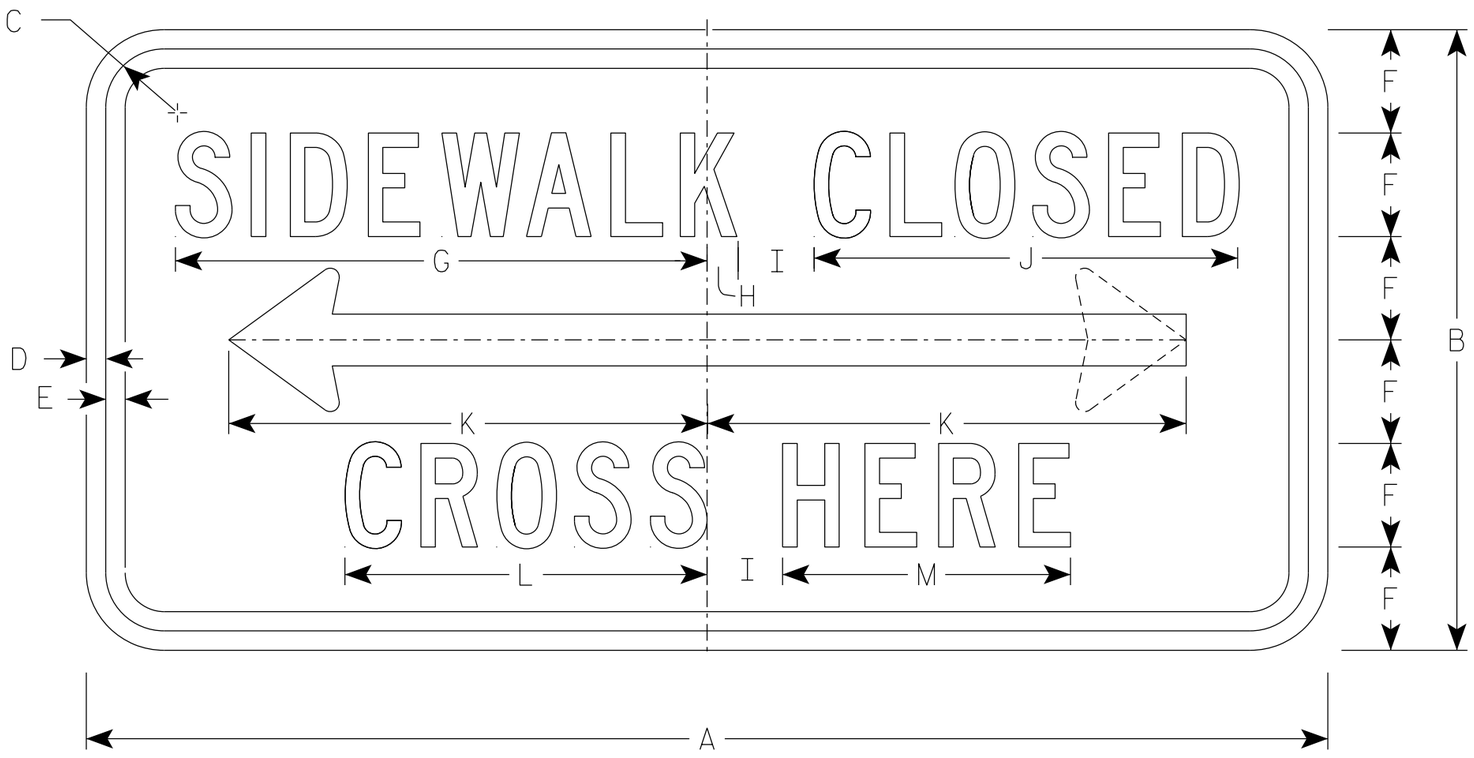
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2021 PLATE NO. R7-1.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 356 E

7

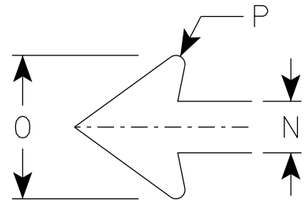
7



R9-11A

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   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.
5. Use Size 2 for Sidewalks. Use Size 3 for paths and Trails.
6. R9-11AD (double arrow)
   R9-11AL (left arrow)
   R9-11AR (right arrow)



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	24	12	1 1/8	3/8	3/8	2	10 1/4	5/8	1 1/2	8 1/4	9 1/4	7	5 5/8	1	2 3/4	1/8											2.0
2M	24	12	1 1/8	3/8	3/8	2	10 1/4	5/8	1 1/2	8 1/4	9 1/4	7	5 5/8	1	2 3/4	1/8											2.0
3	30	15	1 1/8	3/8	1/2	2 1/2	12 3/4	1/2	2	10 1/4	12 3/8	8 5/8	6 3/4	1 1/4	3 5/8	1/4											3.125
4																											
5																											

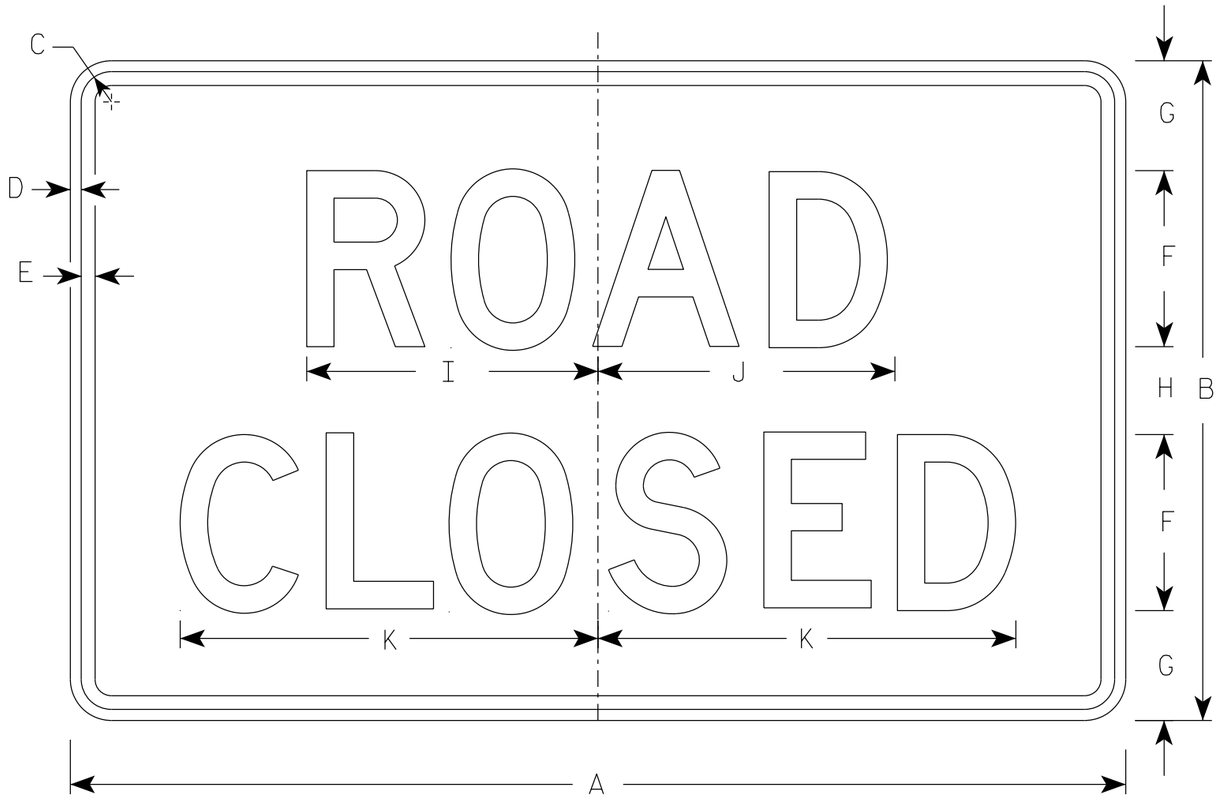
STANDARD SIGN
R9-11A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2021 PLATE NO. R9-11A.5

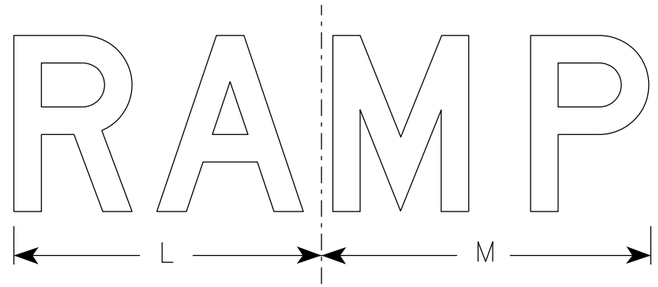
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 357 | E



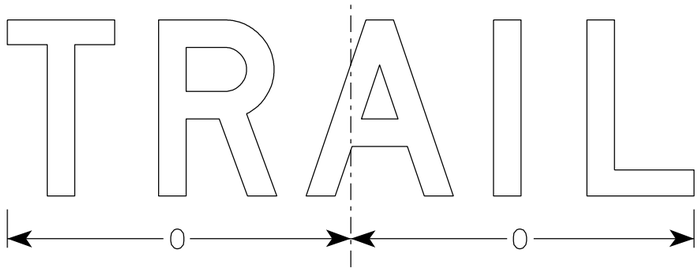
R11-2

NOTES

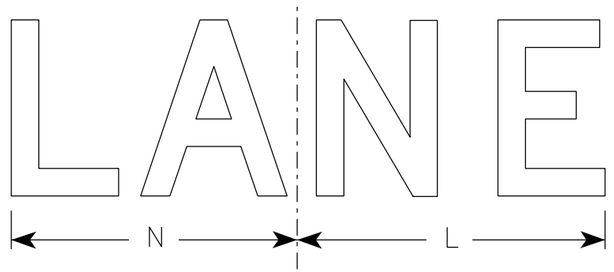
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the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



R11-2R



R11-2T



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 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0

STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

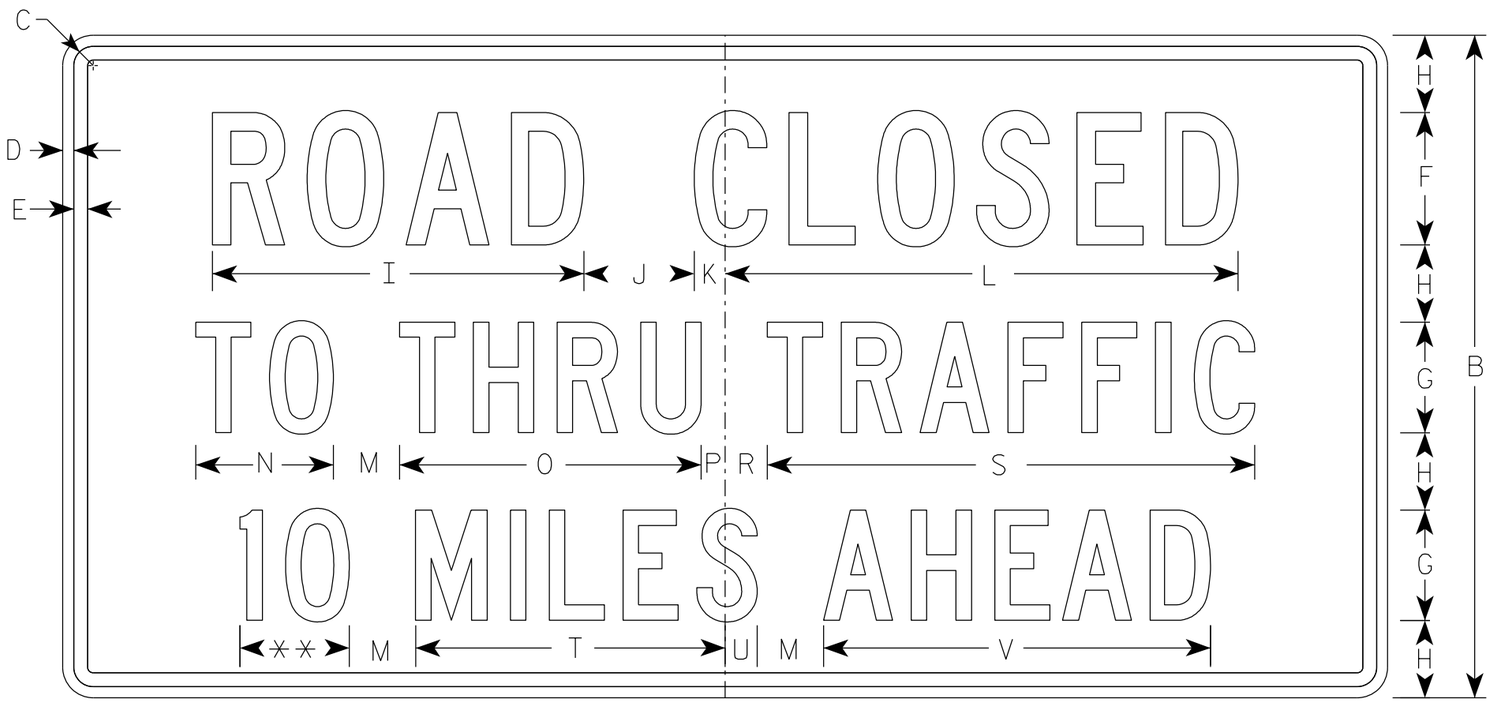
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2021 PLATE NO. R11-2.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 358 E

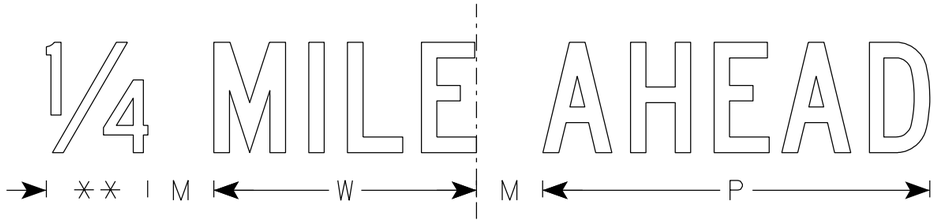
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   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.
5. Substitute appropriate numerals to nearest quarter mile and optically adjust spacing to achieve proper balance.



R11-3

** See Note 5



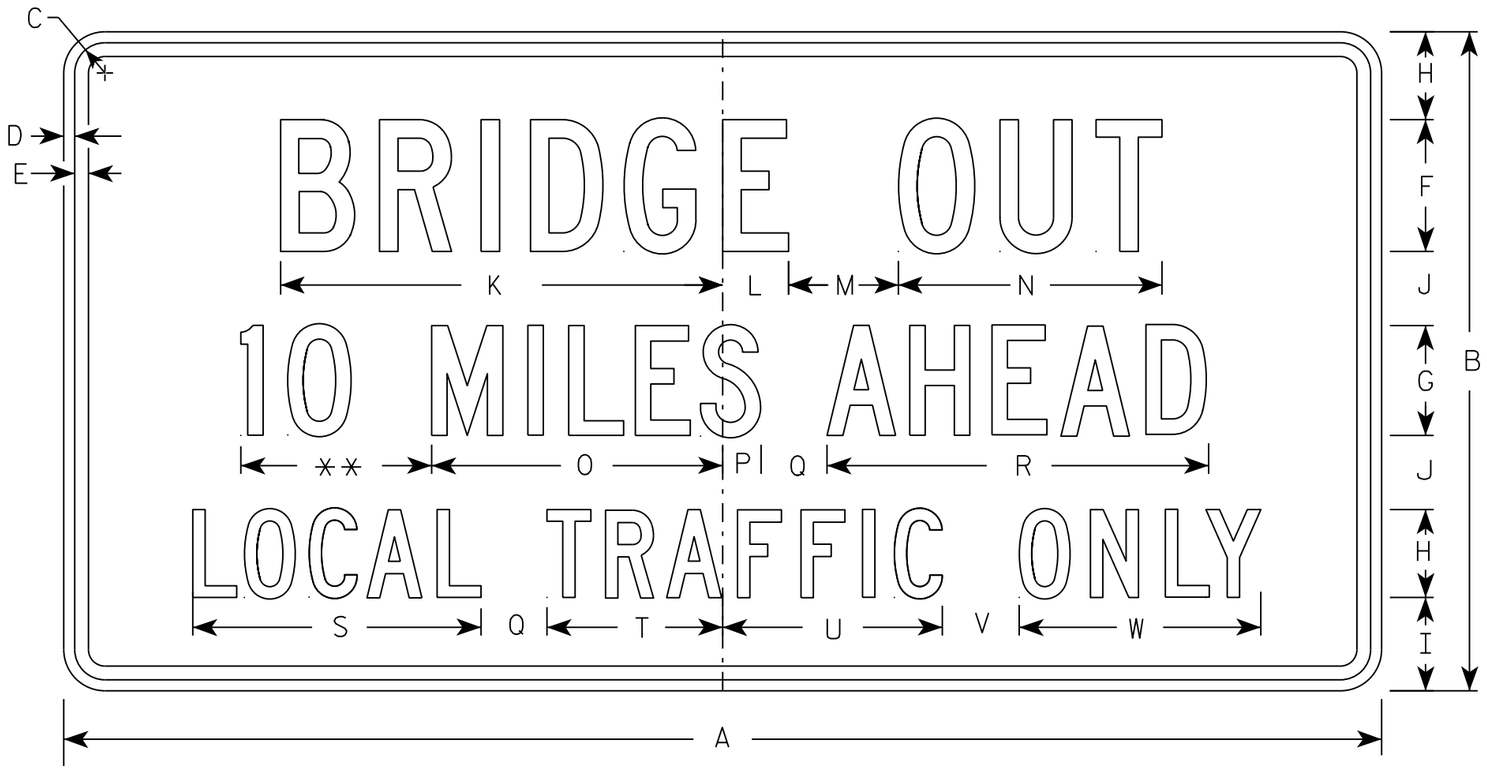
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/4	3/8	3/8	4	3	2	11 1/4	3	1 1/8	15 3/8	2	3 3/4	8 1/4	5/8		1 3/8	13 1/4	8 3/8	7/8	10 1/2	7 1/8				4.5
2S	60	30	1 3/8	1/2	5/8	6	5	3 1/2	16 7/8	5	1 3/8	23 1/4	3	6 1/4	13 5/8	1 1/8		1 7/8	22 1/8	14	1 1/2	17 1/2	11 7/8				12.5
2M	60	30	1 3/8	1/2	5/8	6	5	3 1/2	16 7/8	5	1 3/8	23 1/4	3	6 1/4	13 5/8	1 1/8		1 7/8	22 1/8	14	1 1/2	17 1/2	11 7/8				12.5
3																											
4																											
5																											

STANDARD SIGN
R11-3

WISCONSIN DEPT OF TRANSPORTATION

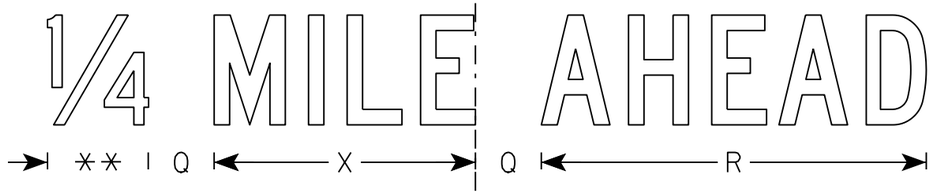
APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 6/14/2021 PLATE NO. R11-3.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 359	E



R11-3B

** See Note 5



NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   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.
5. Substitute appropriate numerals to nearest quarter mile 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	36	18	1 3/8	1/2	5/8	4	3	2 1/2	2	2	13 1/4	2 1/4	3	8	8	1 1/2	2	10 3/4	8 3/8	4 3/4	6 1/2	2	6 3/4	7 1/8			4.5
2S	60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3 3/8	20 1/8	3	5	12	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11	11 7/8			12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3 3/8	20 1/8	3	5	12	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11	11 7/8			12.5
3																											
4																											
5																											

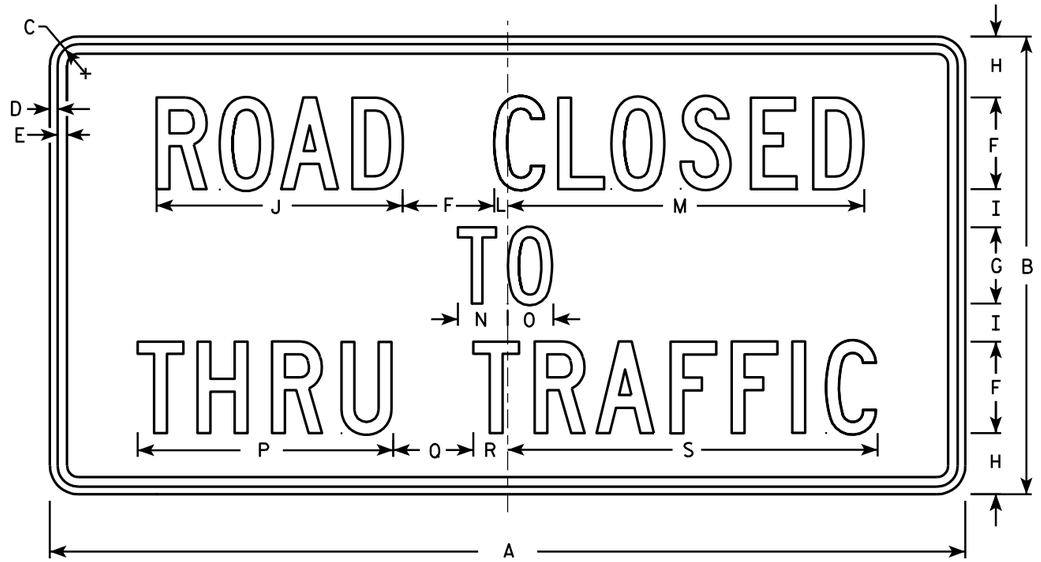
STANDARD SIGN
R11-3B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/17 PLATE NO. R11-3B.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 360 | E



R11-4

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - 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																											
2S	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
3																											
4																											
5																											

STANDARD SIGN
R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-4.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 361 | E

R14-52

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	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		1 1/8	3/8	3/8	5	2 1/4	10	10 1/4	9 3/4	9 3/8	10															4.00
2M	24		1 1/8	3/8	3/8	5	2 1/4	10	10 1/4	9 3/4	9 3/8	10															4.00
3	30		1 1/8	3/8	3/8	6	3	12 1/2	13	12 3/4	11 3/4	12 1/2															6.25
4	42		1 3/8	1/2	5/8	8	4 1/2	16 3/4	17 3/8	17 1/4	16 3/4	17															12.25
5																											

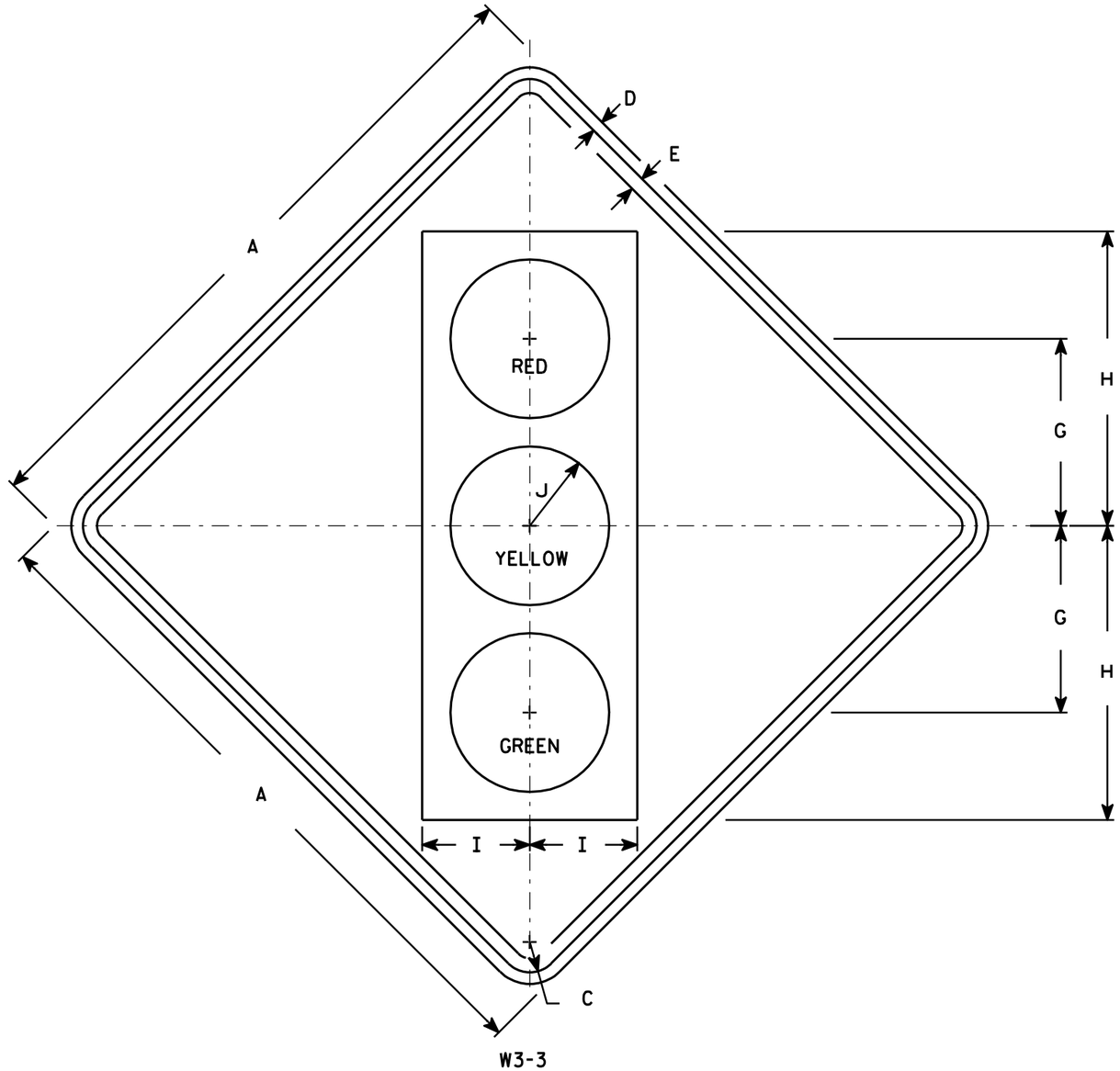
STANDARD SIGN
R14-52

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/30/11 PLATE NO. R14-52.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 362 | E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - 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. 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 3/8	1/2	5/8		8 3/4	13 3/4	5	3 3/4																	6.25
2S	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
2M	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
3	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
4	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0
5	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0

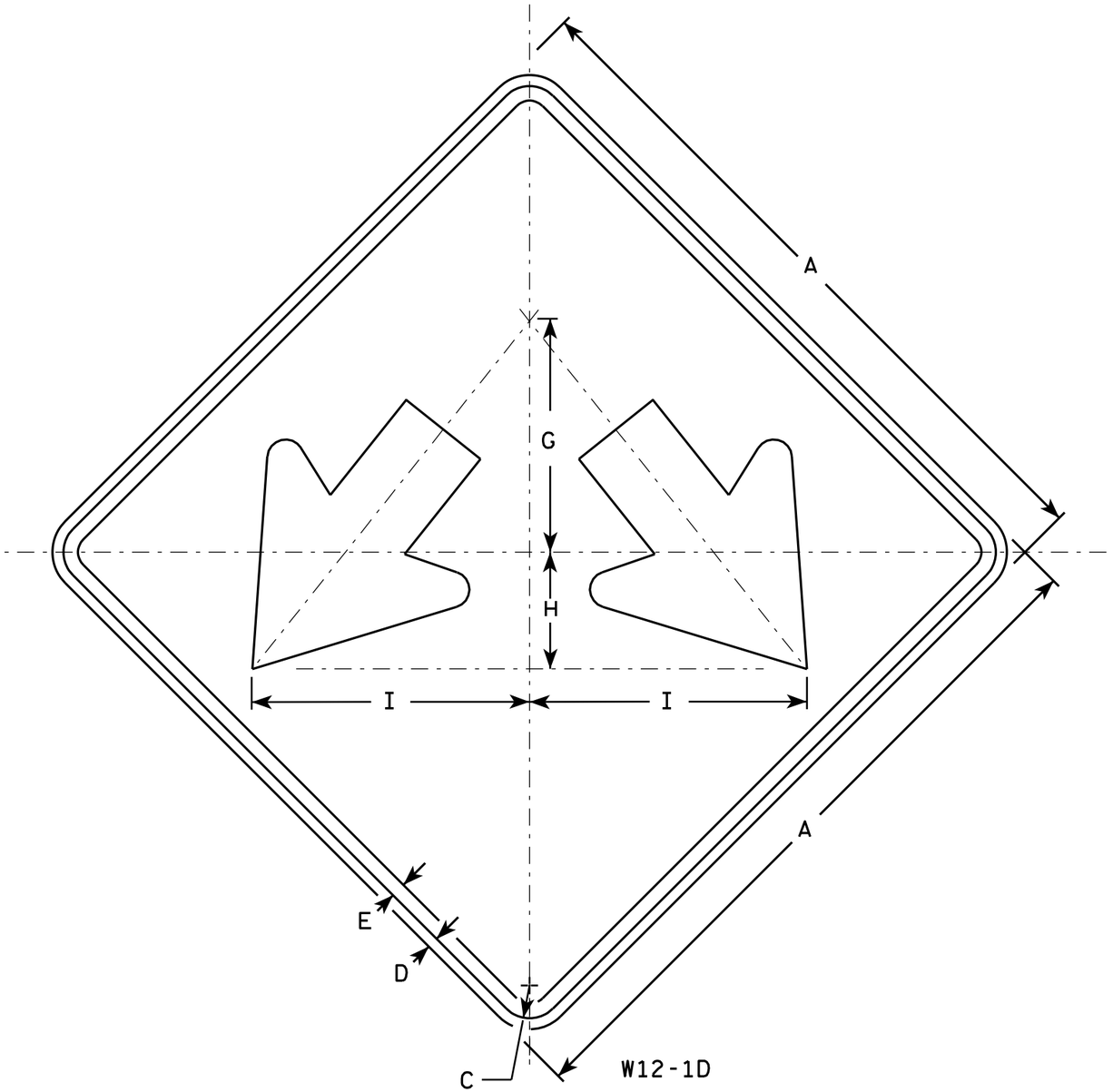
STANDARD SIGN
W3-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

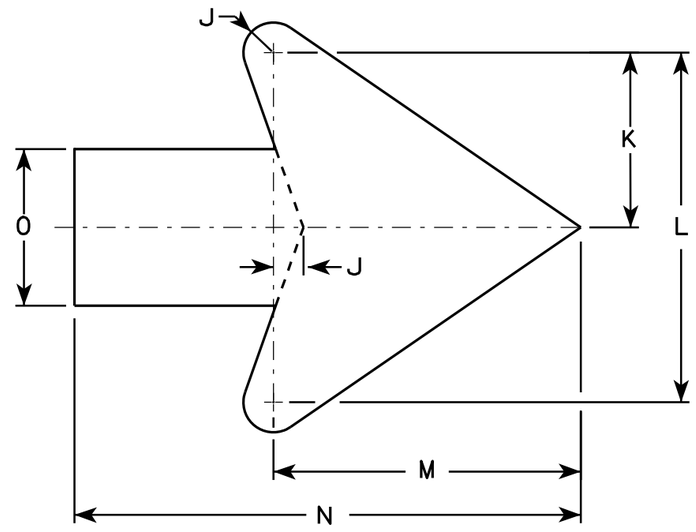
DATE 6/7/10 PLATE NO. W3-3.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 363 | E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



Arrow Detail

SIZE	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		1 1/8	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 1/8	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 3/8	1/2	5/8		10	5	11 7/8	3/4	4 1/2	9	7 7/8	13	4												6.25
4	36		1 3/8	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		2 1/4	3/4	1		16	8	19	1 1/4	7 1/4	14 1/2	12 3/4	21	6 1/4												16.0

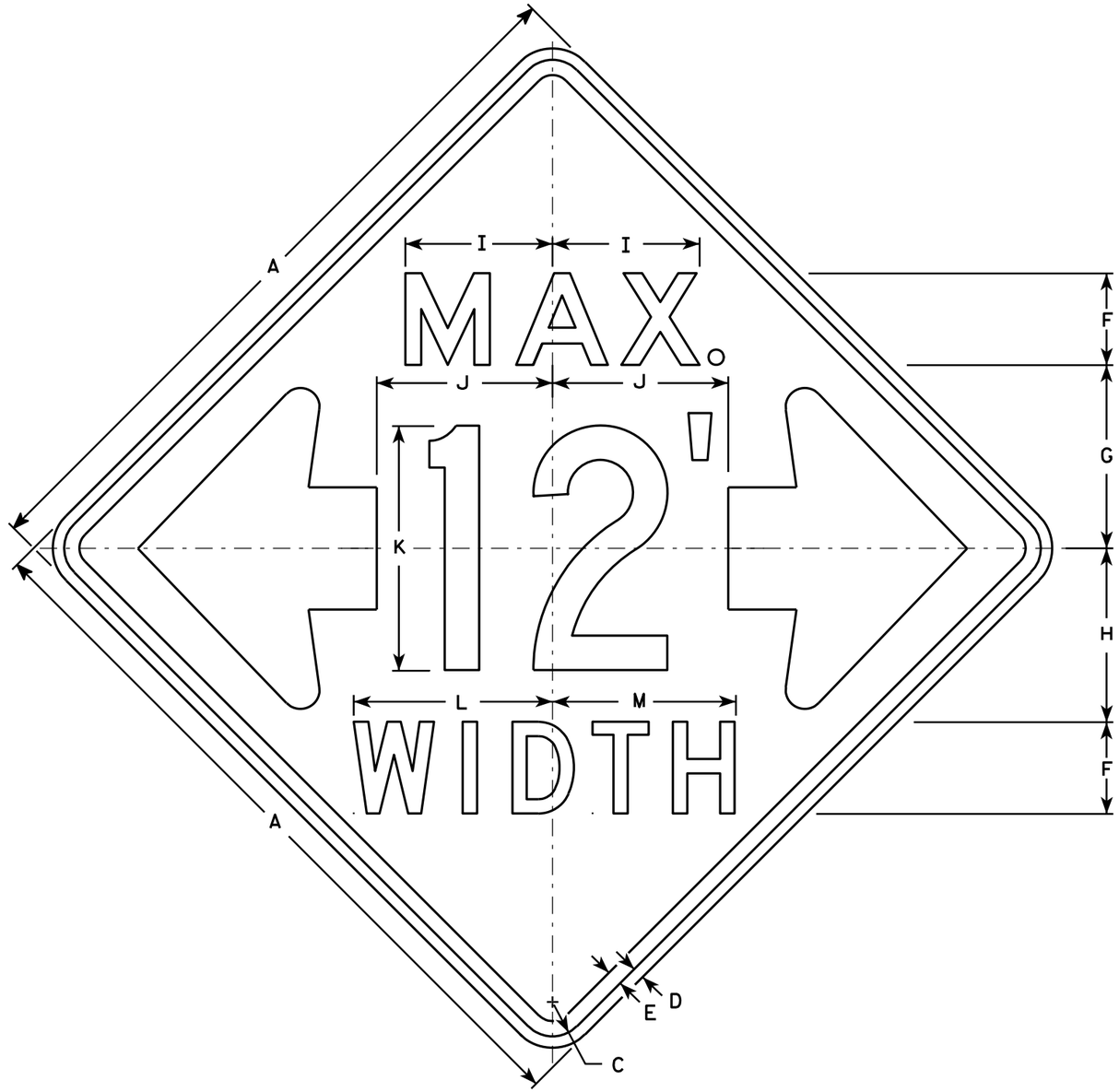
STANDARD SIGN
W12-1D

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W12-1D.15

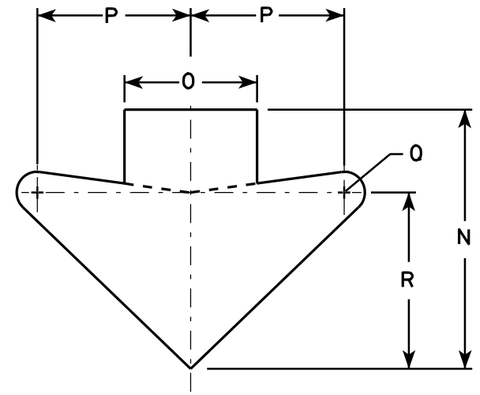
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 364	E



W12-52

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. The top line is series E, the numerals are series C, and the bottom line is series D.
6. 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		2 1/4	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		2 1/4	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

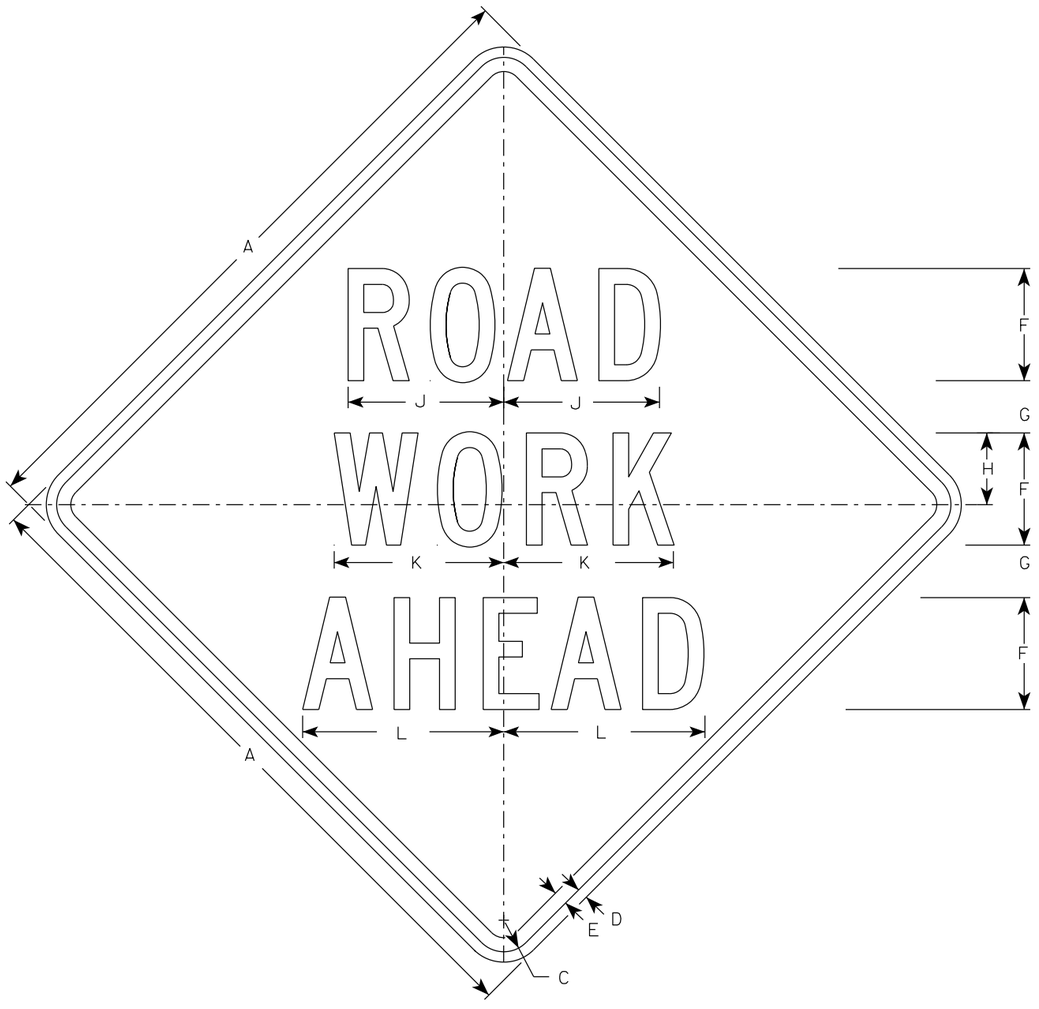
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

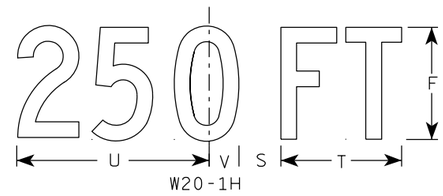
DATE 3/16/11 PLATE NO. W12-52.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 365 | E

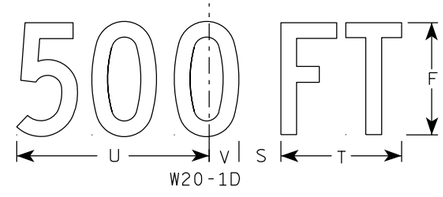
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W1252.DGN PLOT DATE : 16-MAR-2011 14:45 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.137199:1.000000
WISDOT/CADDS SHEET 42



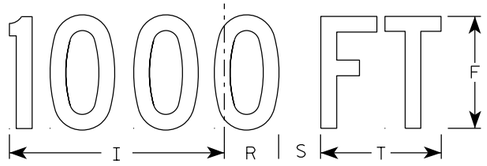
W20-1A



W20-1H



W20-1D

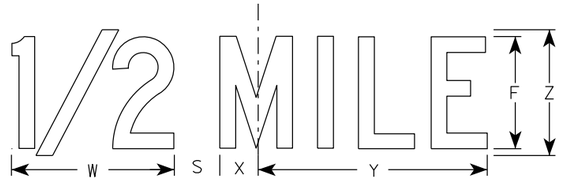


W20-1C

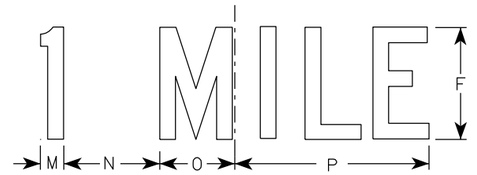
W20-1B

NOTES

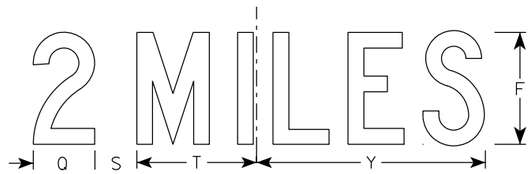
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



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		1 5/8	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		2 1/4	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		2 1/4	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		2 1/4	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		2 1/4	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		2 1/4	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 3/25/2020 PLATE NO. W20-1.11

PROJECT NO:

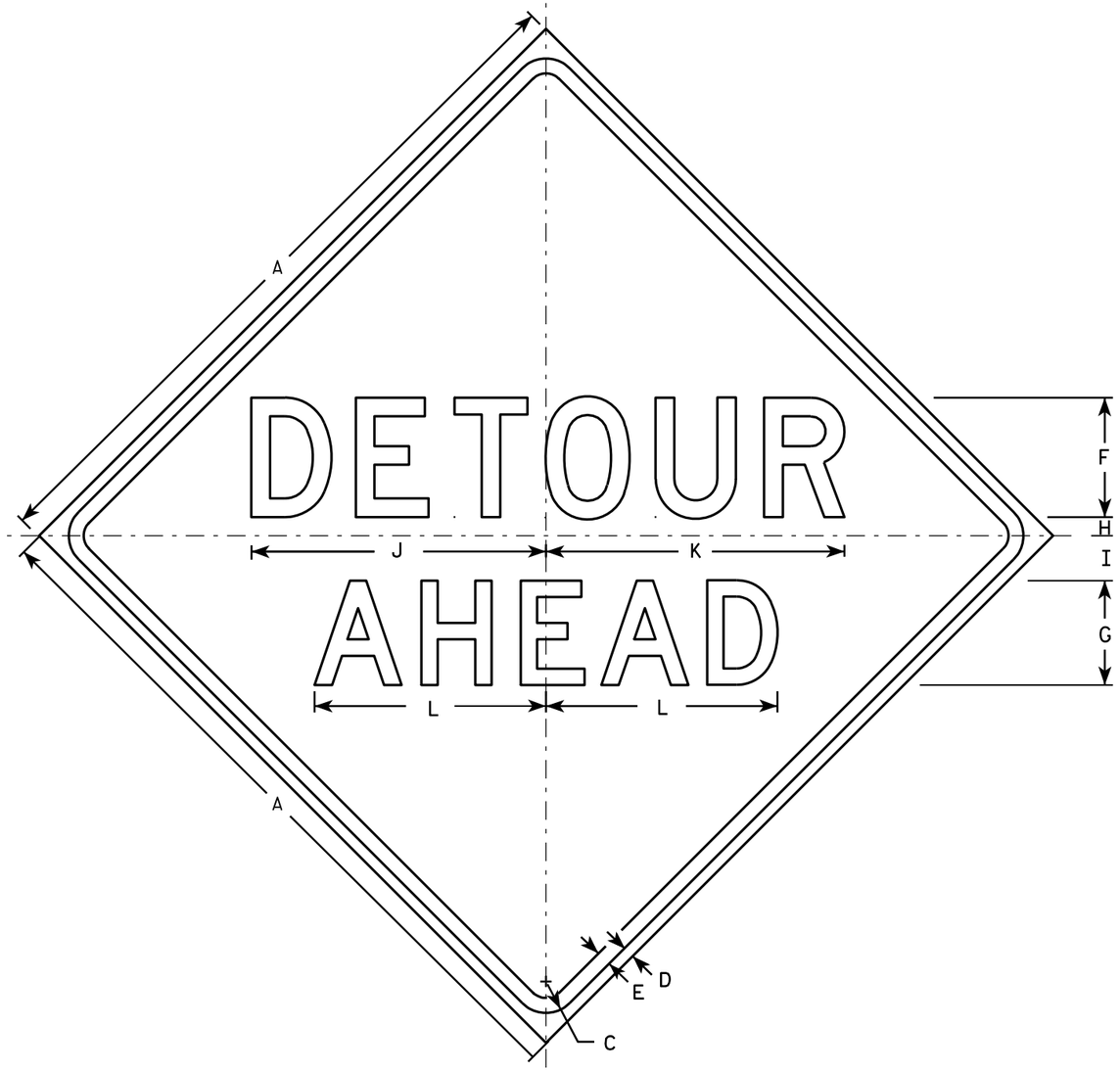
SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 25-MARCH-2020 PLOT BY : dotc4c

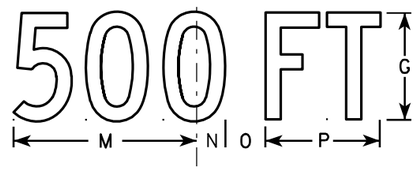
WISDOT/CADDS SHEET 42

7

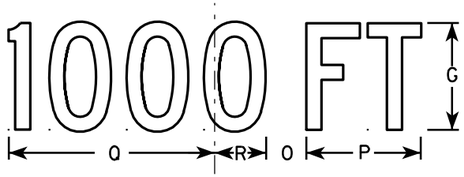
7



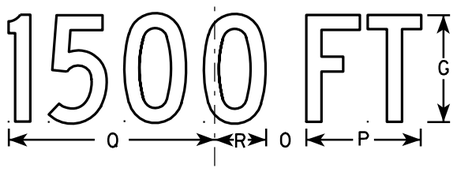
W20-2A



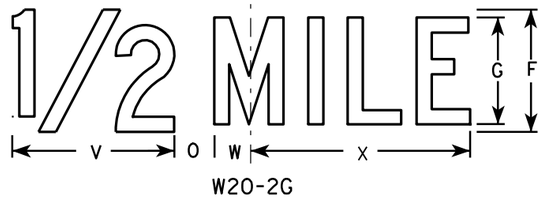
W20-2D



W20-2C



W20-2B



W20-2G

W20-2F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D.
   Line 2 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	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	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

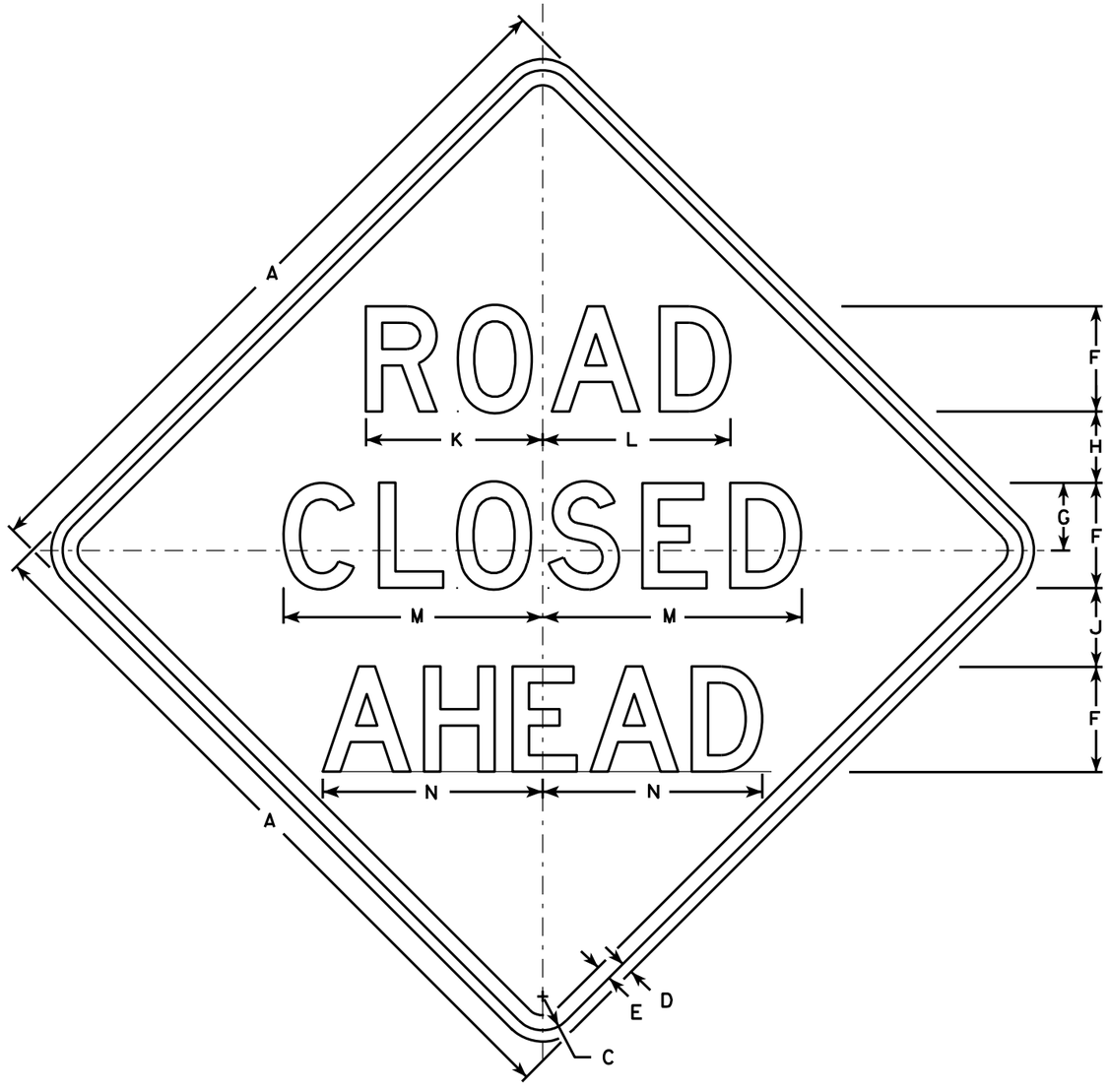
STANDARD SIGN
W20-2A,B,C,D,F & G

WISCONSIN DEPT OF TRANSPORTATION

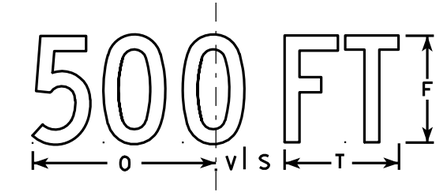
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-2.6

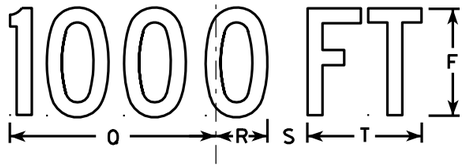
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 367	E



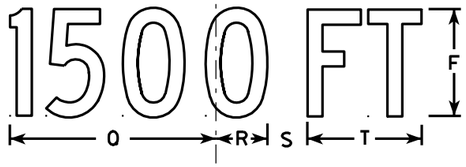
W20-3A



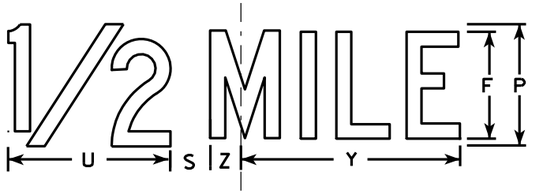
W20-3D



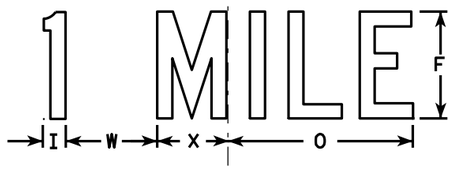
W20-3C



W20-3B



W20-3G



W20-3F

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		1 5/8	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - see note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 and 2 are Series D.
   Line 3 is Series D for AHEAD and Series C for all other distances.

STANDARD SIGN
W20-3A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

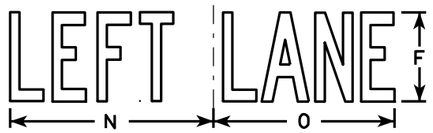
APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 3/18/11 PLATE NO. W20-3.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 368 | E

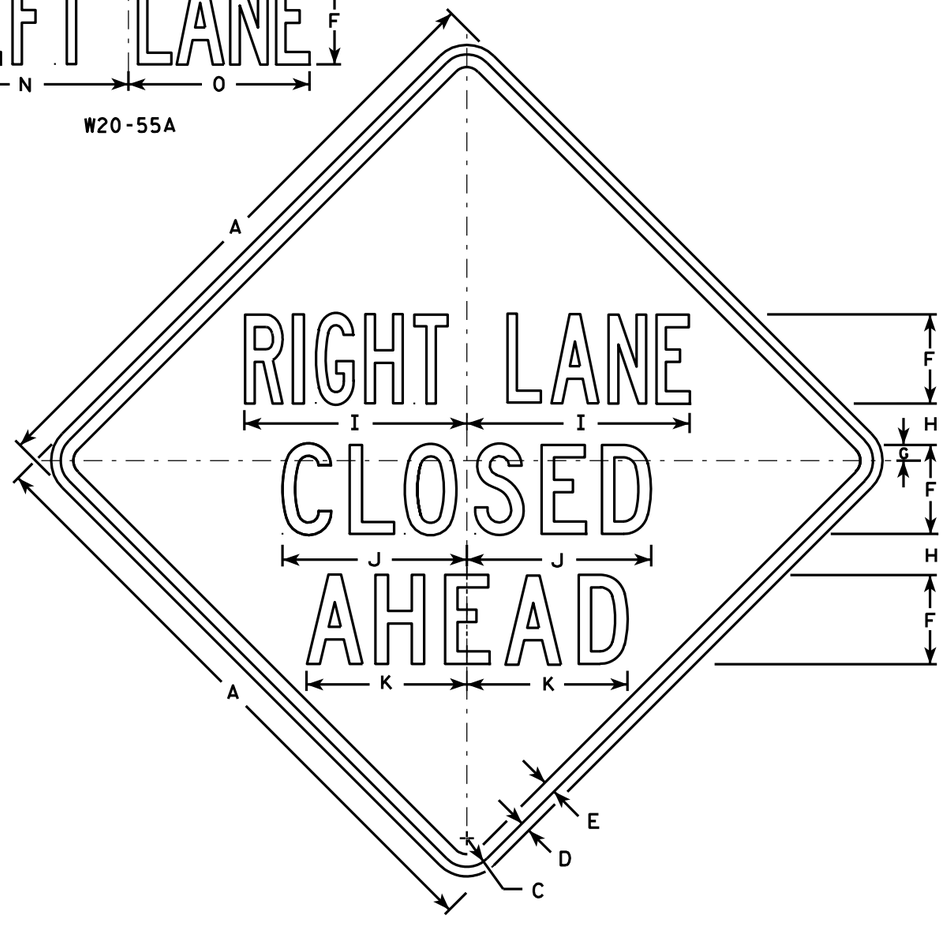
7

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W203.DGN PLOT DATE : 18-MAR-2011 12:08 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.931739:1.000000
WISDOT/CADDS SHEET 42

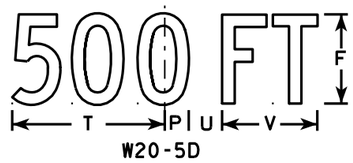
W20-56A



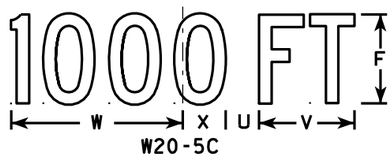
W20-55A



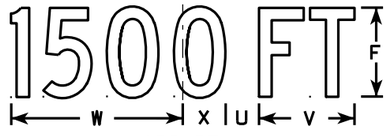
W20-5A



W20-5D



W20-5C



W20-5B

W20-5G

W20-5F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. " _____ LANE" is Series B.
   All other copy is 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	36	6	1 5/8	5/8	3/4	5	1/8	2 1/2	13 1/8	10 3/4	9 1/2	14 1/4	13 5/8	12	12	1 3/8	1 1/8	4 1/2	3 1/2	9	1 1/8	5 5/8	10 1/8	2 1/2	1 3/4	8	9.0
2S	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
2M	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
3	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
4	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
5	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0

STANDARD SIGN
W20-5A, B, C, D, F & G

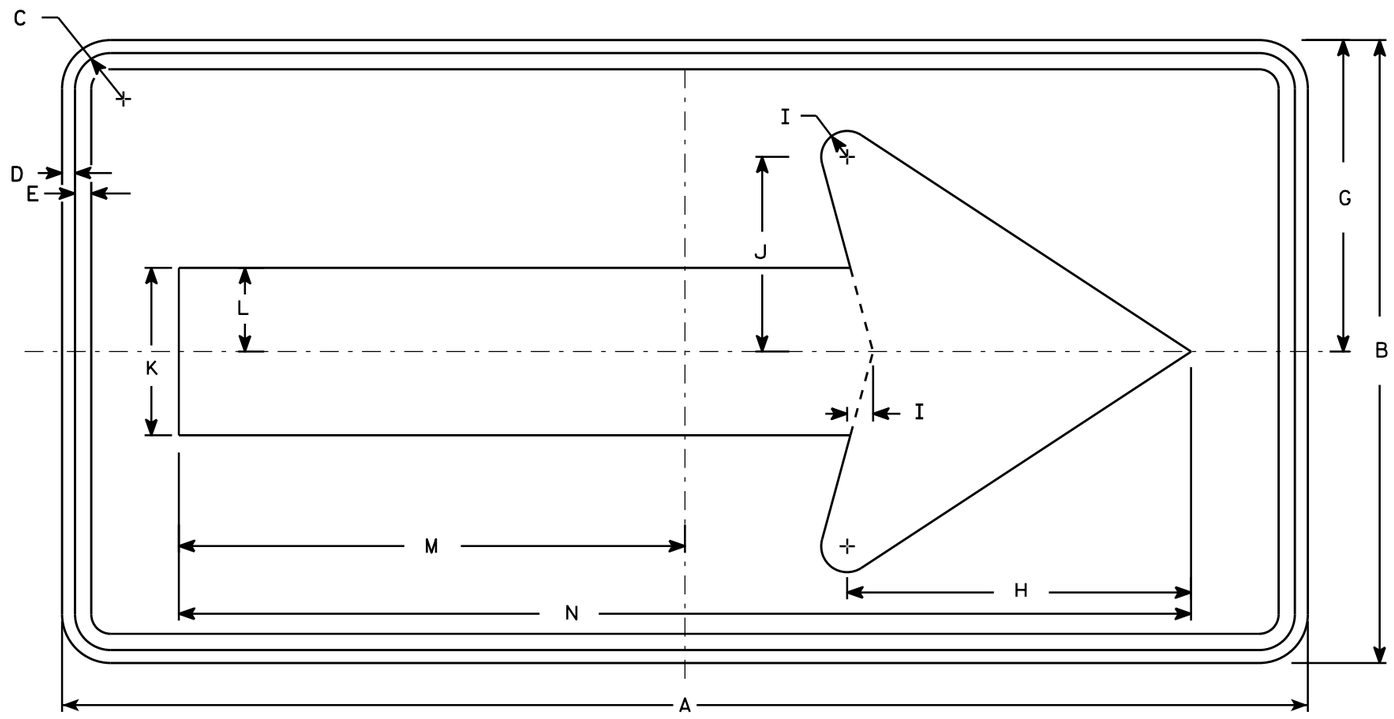
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-5.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 369	E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W205.DGN PLOT DATE : 18-MAR-2011 12:15 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 11.918087:1.000000
WISDOT/CADDS SHEET 42



W01-6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

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 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5

STANDARD SIGN
W01-6

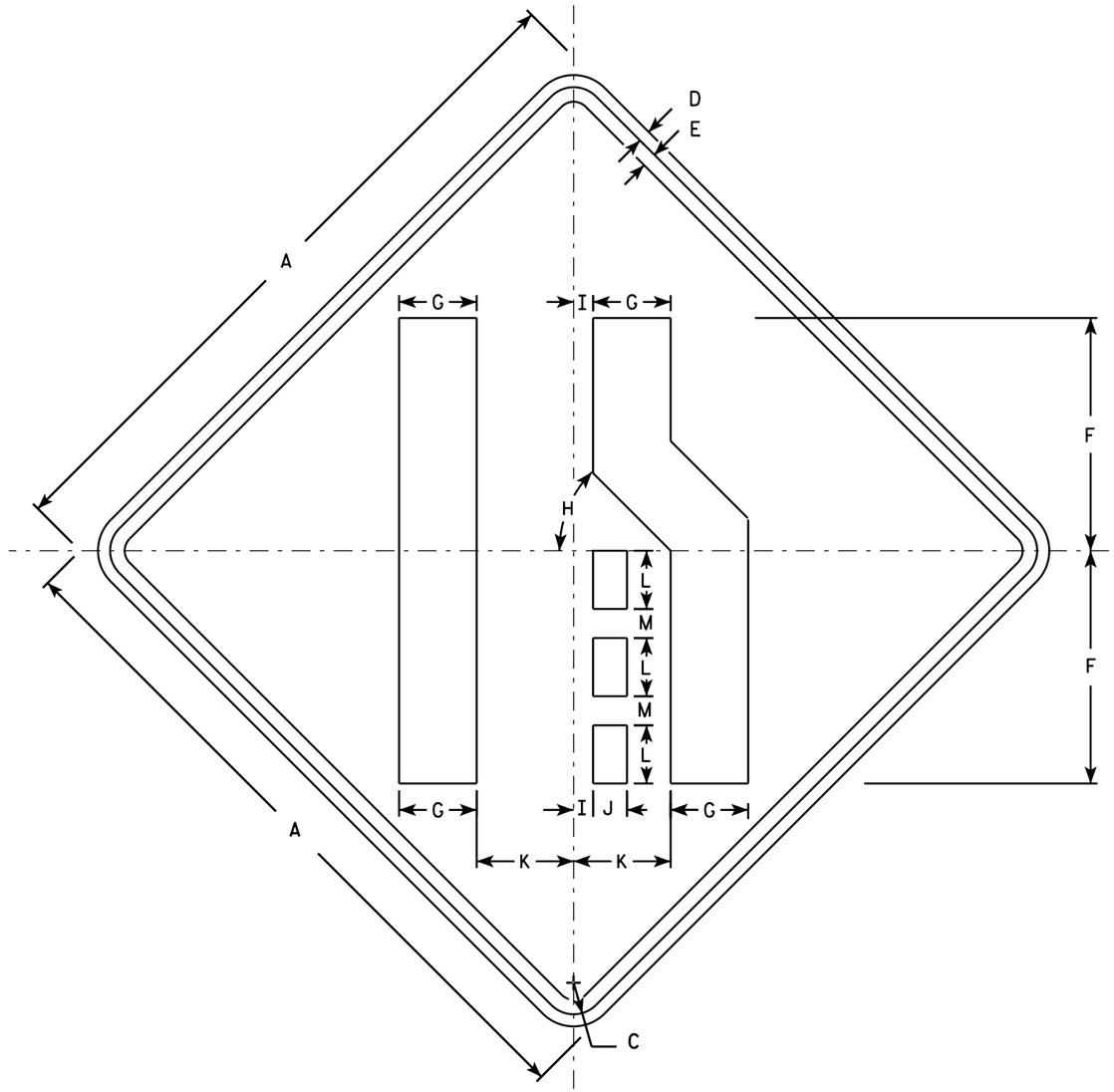
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE W01-6.1

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W016.DGN PLOT DATE : 28-FEB-2014 11:37 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.837526:1.000000
WISDOT/CADDS SHEET 42



W04-2R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W04-2L is the same as W04-2R except the symbol 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		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2S	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
2M	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
3	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
4	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

STANDARD SIGN
W04-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 371 W04-2.1

PROJECT NO:

SHEET NO: E

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
105+00.00	10500.00	0.00	88.63	36.00	0.00	0	0	0	0	0	0
105+50.00	10550.00	50.00	106.54	36.00	1.82	181	67	2	181	3	112
105+52.00	10552.00	2.00	42.15	36.00	1.87	6	3	0	187	3	115
106+00.00	10600.00	48.00	103.14	36.00	0.00	129	64	2	316	5	177
106+50.00	10650.00	50.00	132.29	36.00	0.05	218	67	0	534	5	328
106+81.00	10681.00	31.00	59.18	36.00	0.00	110	41	0	644	5	397
107+00.00	10700.00	19.00	147.20	36.00	0.02	73	25	0	717	5	445
107+50.00	10750.00	50.00	130.36	36.00	0.00	257	67	0	974	5	635
108+00.00	10800.00	50.00	144.85	36.00	0.00	255	67	0	1,229	5	823
108+50.00	10850.00	50.00	174.89	36.00	3.30	296	67	3	1,525	9	1,048
108+89.00	10889.00	39.00	108.03	36.00	0.00	204	52	2	1,729	11	1,198
109+00.00	10900.00	11.00	173.15	36.00	6.01	57	15	1	1,786	13	1,239
109+25.00	10925.00	25.00	96.84	36.00	0.00	125	33	3	1,911	16	1,327
109+50.00	10950.00	25.00	163.14	36.00	13.27	120	33	6	2,031	24	1,406
110+00.00	11000.00	50.00	144.22	36.00	31.64	285	67	42	2,316	76	1,572
110+50.00	11050.00	50.00	114.99	36.00	31.17	240	67	58	2,556	149	1,672
111+00.00	11100.00	50.00	85.02	36.00	0.00	185	67	29	2,741	185	1,754
111+50.00	11150.00	50.00	87.92	36.00	0.00	160	67	0	2,901	185	1,847
112+00.00	11200.00	50.00	102.10	36.00	36.50	176	67	34	3,077	228	1,914
112+22.00	11222.00	22.00	45.66	36.00	0.01	60	29	15	3,137	246	1,926
112+50.00	11250.00	28.00	117.26	36.00	9.55	84	37	5	3,221	253	1,967
112+61.00	11261.00	11.00	73.75	36.00	0.00	39	15	2	3,260	255	1,988
113+00.00	11300.00	39.00	120.92	36.00	20.64	141	52	15	3,401	274	2,058
113+50.00	11350.00	50.00	124.01	36.00	14.93	227	67	33	3,628	315	2,177
113+80.00	11380.00	30.00	48.87	36.00	0.17	96	40	8	3,724	325	2,223
113+84.00	11384.00	4.00	77.16	36.00	0.71	9	5	0	3,733	325	2,227
114+00.00	11400.00	16.00	134.22	36.00	2.22	63	21	1	3,796	326	2,268
114+50.00	11450.00	50.00	149.40	36.00	16.88	263	67	18	4,059	349	2,441
115+00.00	11500.00	50.00	187.99	36.00	0.00	312	67	16	4,371	369	2,666
115+12.00	11512.00	12.00	84.75	36.00	0.03	61	16	0	4,432	369	2,711
115+50.00	11550.00	38.00	224.08	36.00	21.95	217	51	15	4,649	388	2,859
115+75.00	11575.00	25.00	166.29	36.00	0.00	181	33	10	4,830	400	2,994
116+00.00	11600.00	25.00	240.97	36.00	13.79	189	33	6	5,019	408	3,143
116+50.00	11650.00	50.00	235.76	36.00	18.87	441	67	30	5,460	445	3,479
117+00.00	11700.00	50.00	213.58	36.00	27.25	416	67	43	5,876	499	3,774
117+50.00	11750.00	50.00	209.55	36.00	31.31	392	67	54	6,268	566	4,032
118+00.00	11800.00	50.00	214.14	36.00	48.13	392	67	74	6,660	659	4,264
118+20.00	11820.00	20.00	138.73	36.00	0.00	131	27	18	6,791	681	4,346
118+50.00	11850.00	30.00	220.22	36.00	44.27	199	40	25	6,990	713	4,474
119+00.00	11900.00	50.00	223.89	36.00	40.09	411	67	78	7,401	810	4,720

119+50.00	11950.00	50.00	209.03	36.00	44.08	401	67	78	7,802	908	4,957
120+00.00	12000.00	50.00	177.14	36.00	41.97	358	67	80	8,160	1,008	5,148
120+50.00	12050.00	50.00	155.12	36.00	50.11	308	67	85	8,468	1,114	5,282
121+00.00	12100.00	50.00	143.81	36.00	47.74	277	67	91	8,745	1,228	5,379
121+50.00	12150.00	50.00	139.00	36.00	29.84	262	67	72	9,007	1,318	5,484
122+00.00	12200.00	50.00	176.17	36.00	0.00	292	67	28	9,299	1,353	5,674
122+50.00	12250.00	50.00	184.53	36.00	0.00	334	67	0	9,633	1,353	5,941
123+00.00	12300.00	50.00	216.12	36.00	4.75	371	67	4	10,004	1,358	6,240
123+50.00	12350.00	50.00	242.53	36.00	0.83	425	67	5	10,429	1,364	6,591
124+00.00	12400.00	50.00	267.32	36.00	1.61	472	67	2	10,901	1,366	6,994
124+50.00	12450.00	50.00	257.52	36.00	2.86	486	67	4	11,387	1,371	7,408
125+00.00	12500.00	50.00	255.35	36.00	3.87	475	67	6	11,862	1,379	7,808
125+50.00	12550.00	50.00	244.29	36.00	4.88	463	67	8	12,325	1,389	8,194
126+00.00	12600.00	50.00	245.56	36.00	4.61	454	67	9	12,779	1,400	8,570
126+50.00	12650.00	50.00	214.94	36.00	2.23	426	67	6	13,205	1,408	8,922
127+00.00	12700.00	50.00	191.89	36.00	0.05	377	67	2	13,582	1,410	9,229
127+50.00	12750.00	50.00	188.37	36.00	0.55	352	67	1	13,934	1,411	9,513
127+88.00	12788.00	38.00	77.63	36.00	0.01	187	51	0	14,121	1,411	9,649
128+00.00	12800.00	12.00	184.63	36.00	0.26	58	16	0	14,179	1,411	9,691
128+50.00	12850.00	50.00	172.88	36.00	0.11	331	67	0	14,510	1,411	9,955
129+00.00	12900.00	50.00	159.63	36.00	0.72	308	67	1	14,818	1,413	10,195
129+50.00	12950.00	50.00	149.59	36.00	0.05	286	67	1	15,104	1,414	10,412
129+54.00	12954.00	4.00	66.25	36.00	0.00	16	5	0	15,120	1,414	10,423
130+00.00	13000.00	46.00	130.42	36.00	2.07	168	61	2	15,288	1,416	10,528
130+50.00	13050.00	50.00	130.08	36.00	1.47	241	67	3	15,529	1,420	10,698
131+00.00	13100.00	50.00	116.44	36.00	3.25	228	67	4	15,757	1,425	10,854
131+50.00	13150.00	50.00	125.22	36.00	1.20	224	67	4	15,981	1,430	11,006
132+00.00	13200.00	50.00	125.44	36.00	3.91	232	67	5	16,213	1,436	11,165
132+50.00	13250.00	50.00	140.35	36.00	0.09	246	67	4	16,459	1,441	11,339
133+00.00	13300.00	50.00	165.89	36.00	0.00	284	67	0	16,743	1,441	11,556
133+50.00	13350.00	50.00	228.56	36.00	0.01	365	67	0	17,108	1,441	11,854
134+00.00	13400.00	50.00	235.04	36.00	0.11	429	67	0	17,537	1,441	12,216
134+50.00	13450.00	50.00	248.54	36.00	0.00	448	67	0	17,985	1,441	12,597
135+00.00	13500.00	50.00	245.79	36.00	0.00	458	67	0	18,443	1,441	12,988
135+50.00	13550.00	50.00	243.93	36.00	0.00	453	67	0	18,896	1,441	13,374
136+00.00	13600.00	50.00	240.52	36.00	0.00	449	67	0	19,345	1,441	13,756
136+23.00	13623.00	23.00	93.47	36.00	0.00	142	31	0	19,487	1,441	13,867
136+50.00	13650.00	27.00	232.44	36.00	0.00	163	36	0	19,650	1,441	13,994
137+00.00	13700.00	50.00	220.90	36.00	0.01	420	67	0	20,070	1,441	14,347
137+50.00	13750.00	50.00	214.48	36.00	0.00	403	67	0	20,473	1,441	14,683
138+00.00	13800.00	50.00	185.94	36.00	0.02	371	67	0	20,844	1,441	14,987
138+50.00	13850.00	50.00	169.54	36.00	5.38	329	67	5	21,173	1,448	15,243
139+00.00	13900.00	50.00	161.77	36.00	2.33	307	67	7	21,480	1,456	15,474

9

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PROJECT NO: 6767-01-71 / 6767-02-71 | HWY: CTH B | COUNTY: PORTAGE | EARTHWORK DATA - CTH B | SHEET 373 | E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\SHEETSPLAN\090101_EW\090101_EW.DWG
LAYOUT NAME - 02

PLOT DATE : 12/12/2023 3:44 PM PLOT BY : JARED HALBUR PLOT NAME : PLOT SCALE : 1" = 1'

WISDOT/CADDS SHEET 49

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
201+88.00	20188.00	0.00	15.72	14.30	0.00	0	0	0	0	0	0
202+00.00	20200.00	12.00	18.07	19.20	0.48	8	7	0	8	0	1
202+50.00	20250.00	50.00	63.92	29.80	2.40	76	45	3	84	4	28
203+00.00	20300.00	50.00	80.43	28.10	2.33	134	54	4	218	9	103

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
205+50.00	20550.00	0.00	25.22	23.00	2.19	0	0	0	0	0	0
206+00.00	20600.00	50.00	23.88	21.50	3.19	45	41	5	45	6	-2
206+50.00	20650.00	50.00	37.72	25.30	5.12	57	43	8	102	16	2
206+80.00	20680.00	30.00	34.34	22.40	2.66	40	27	4	142	21	10

STATION	DISTANCE (LF)	AREA (SF)	DEPTH (FEET)	CUMULATIVE VOL (CY)	
		REMOVING CONCRETE PAVEMENT	PROPOSED PAVEMENT STRUCTURE (10" CONCRETE PAVEMENT + 6" BAD = 16")	CUT	SALVAGED / UNUSABLE PAVEMENT MATERIAL
139+71 - 164+24	2453.00	149130	1.33	7,350	3,528

EARTHWORK SUMMARY

PROJECT/LOCATION	EXCAVATION COMMON (CY)
6767-01-71	21,480
STORMWATER MANAGEMENT AREA	3,040
MECCA DRIVE SOUTH	218
MECCA DRIVE NORTH	142
6767-02-71	7,350
TOTAL	32,230

9

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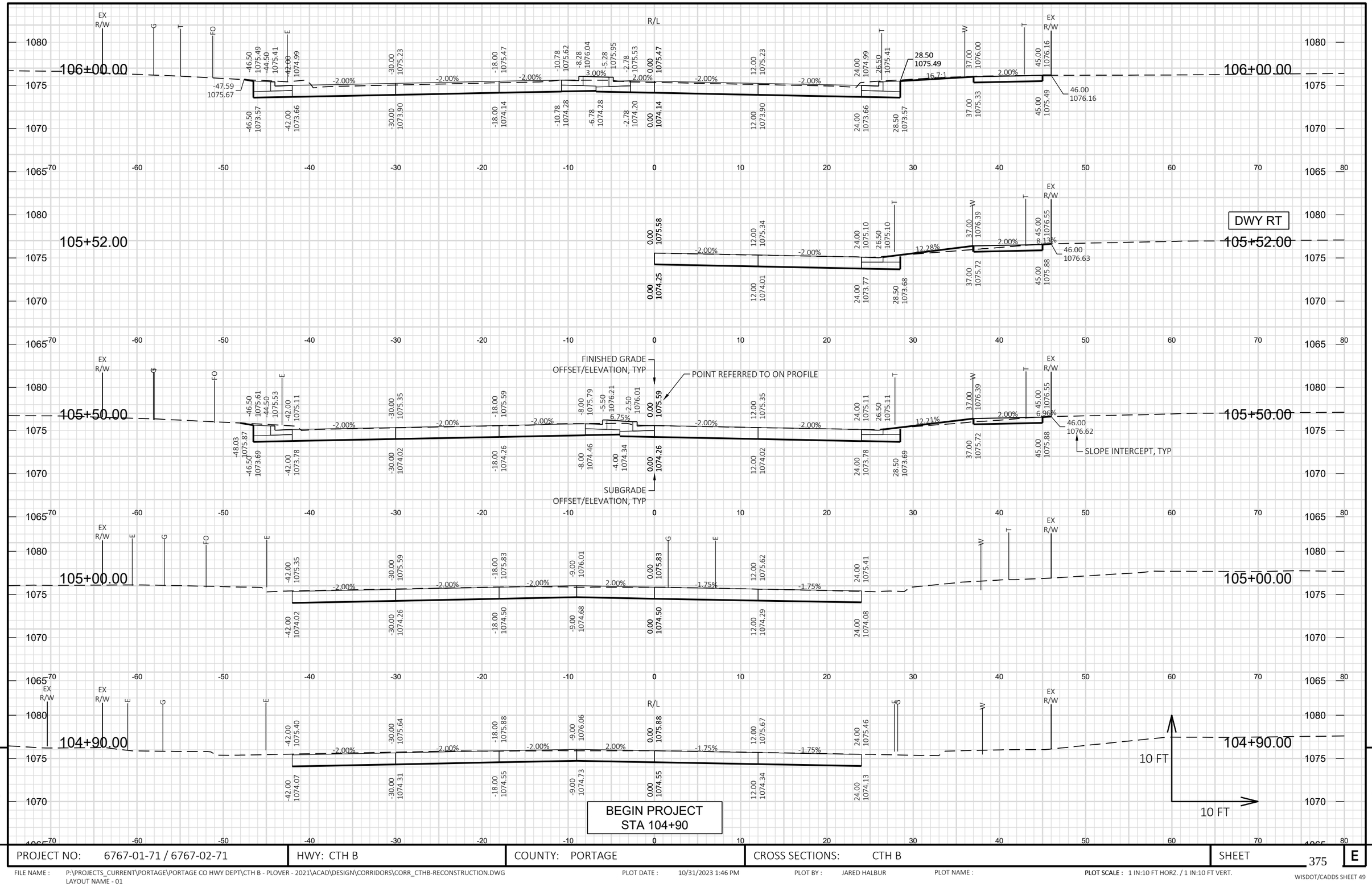
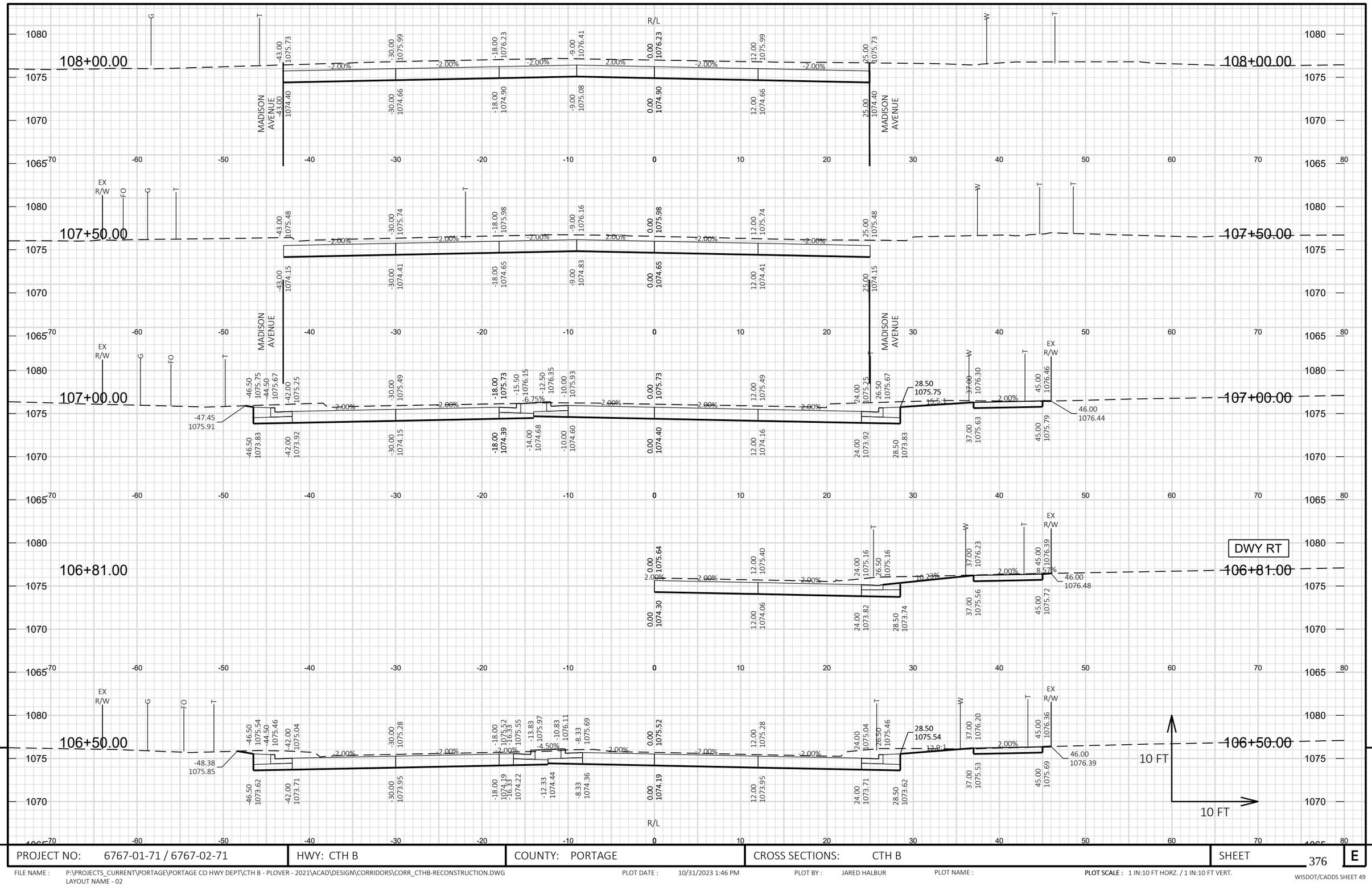


PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	CROSS SECTIONS: CTH B	SHEET 375 E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\DESIGN\CORRIDORS\CORR_CTHB-RECONSTRUCTION.DWG
LAYOUT NAME - 01

PLOT DATE : 10/31/2023 1:46 PM PLOT BY : JARED HALBUR PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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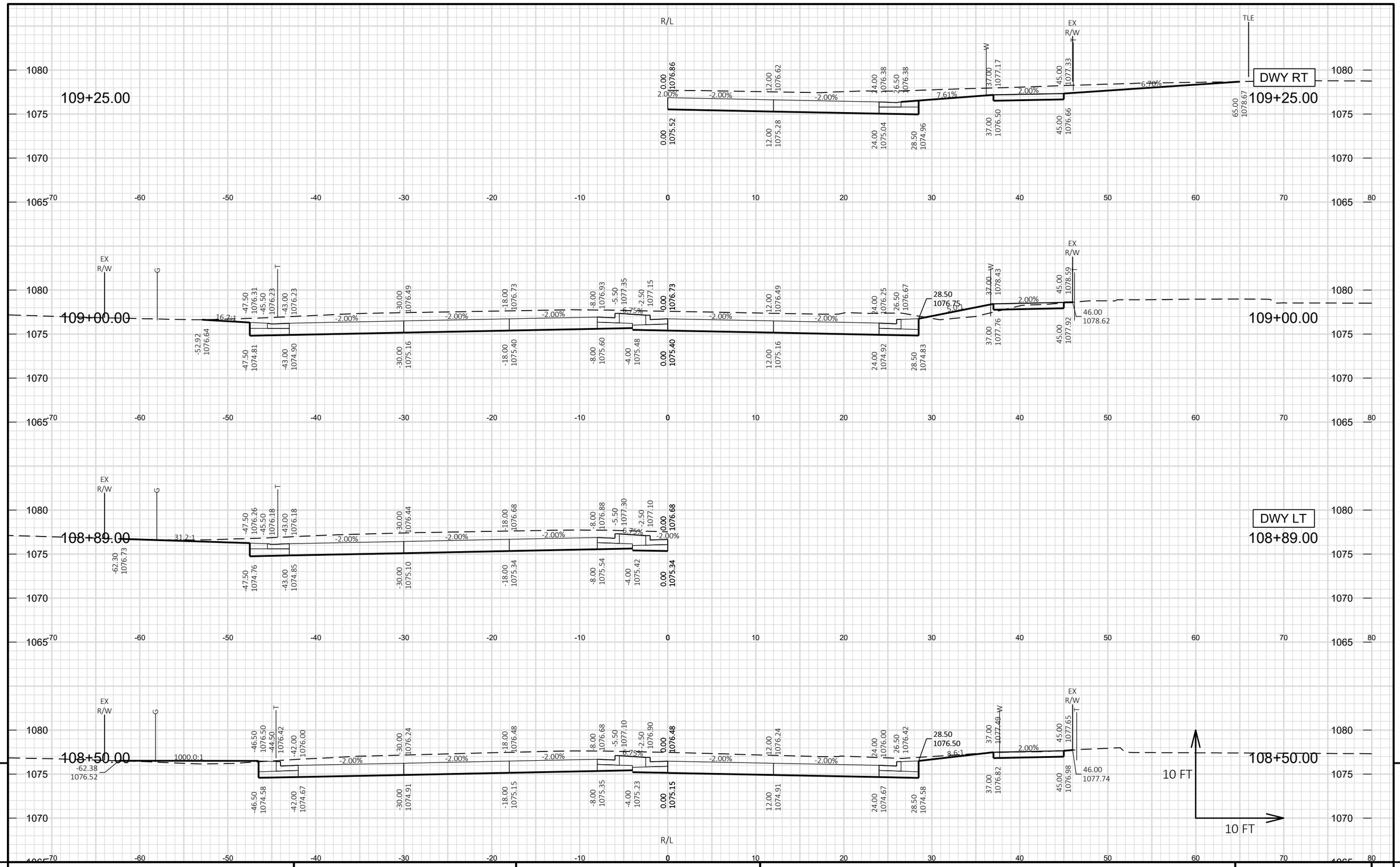
PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	CROSS SECTIONS: CTH B	SHEET 376	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\DESIGN\CORRIDORS\CORR_CTHB-RECONSTRUCTION.DWG
LAYOUT NAME - 02

PLOT DATE : 10/31/2023 1:46 PM PLOT BY : JARED HALBUR PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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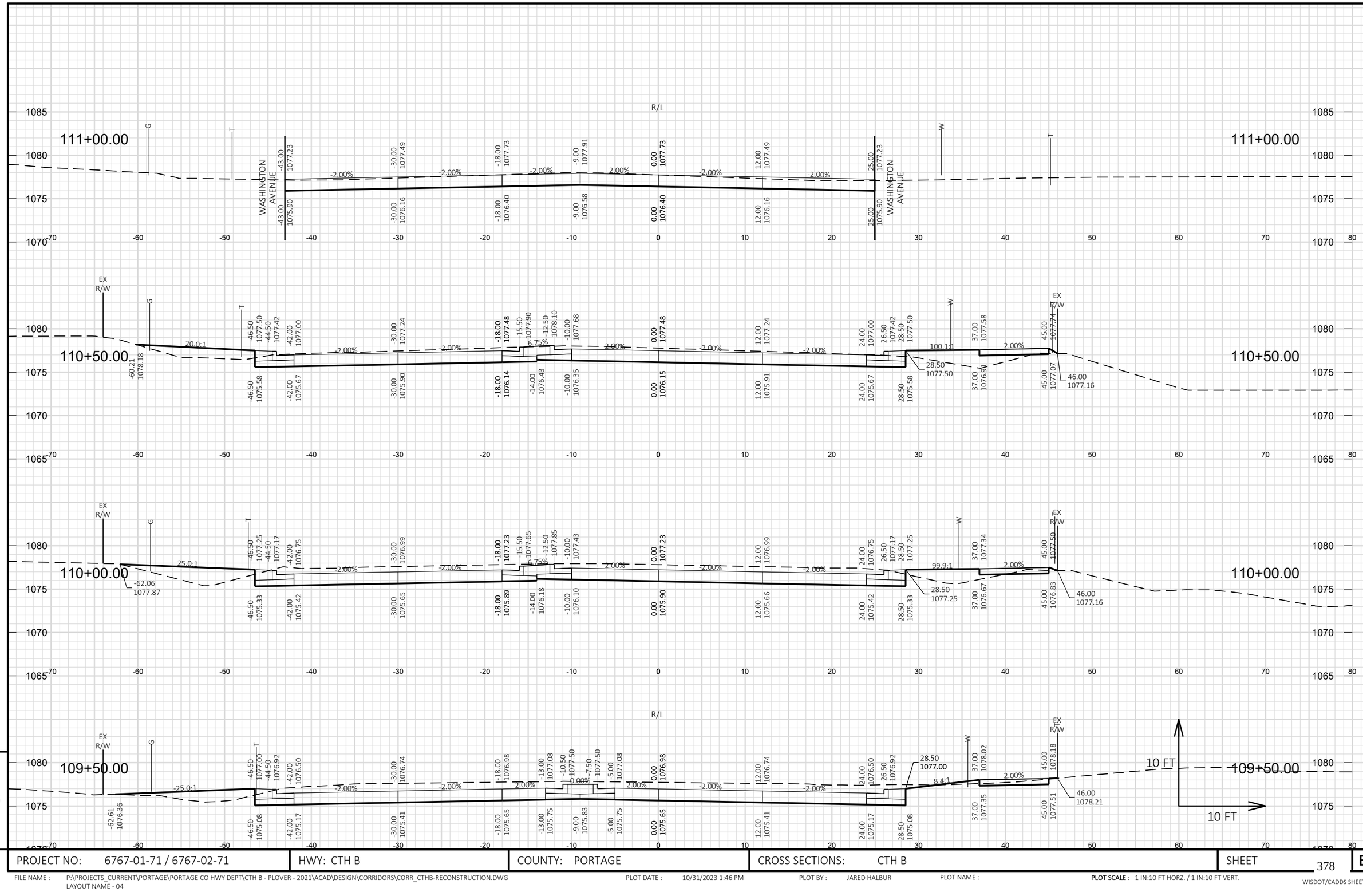
PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	CROSS SECTIONS: CTH B	SHEET 377	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\DESIGN\CORRIDORS\CORR_CTHB-RECONSTRUCTION.DWG
LAYOUT NAME - 03

PLOT DATE : 10/31/2023 1:46 PM PLOT BY : JARED HALBUR PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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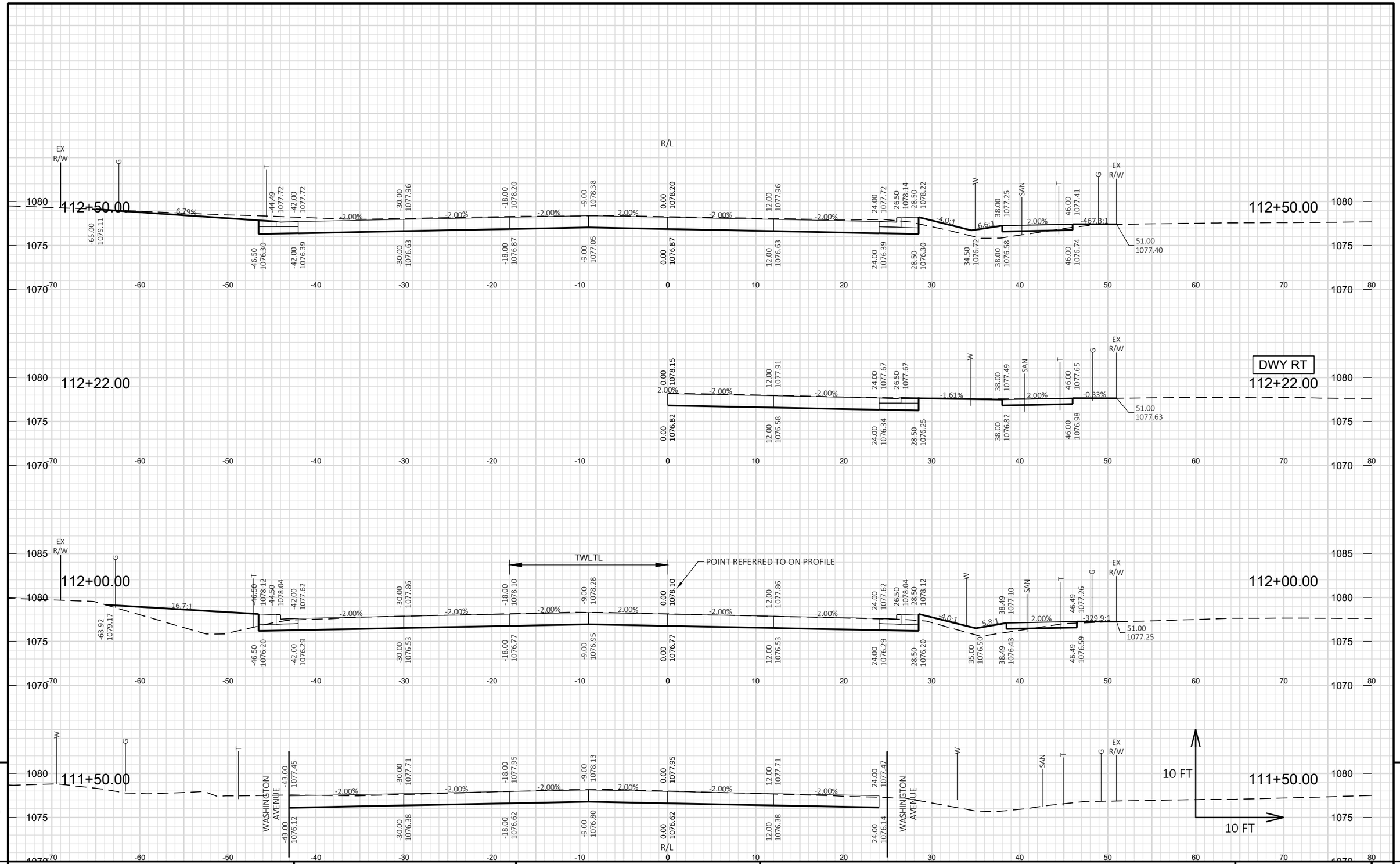
PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	CROSS SECTIONS: CTH B	SHEET 378	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\DESIGN\CORRIDORS\CORR_CTHB-RECONSTRUCTION.DWG
LAYOUT NAME - 04

PLOT DATE : 10/31/2023 1:46 PM PLOT BY : JARED HALBUR PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

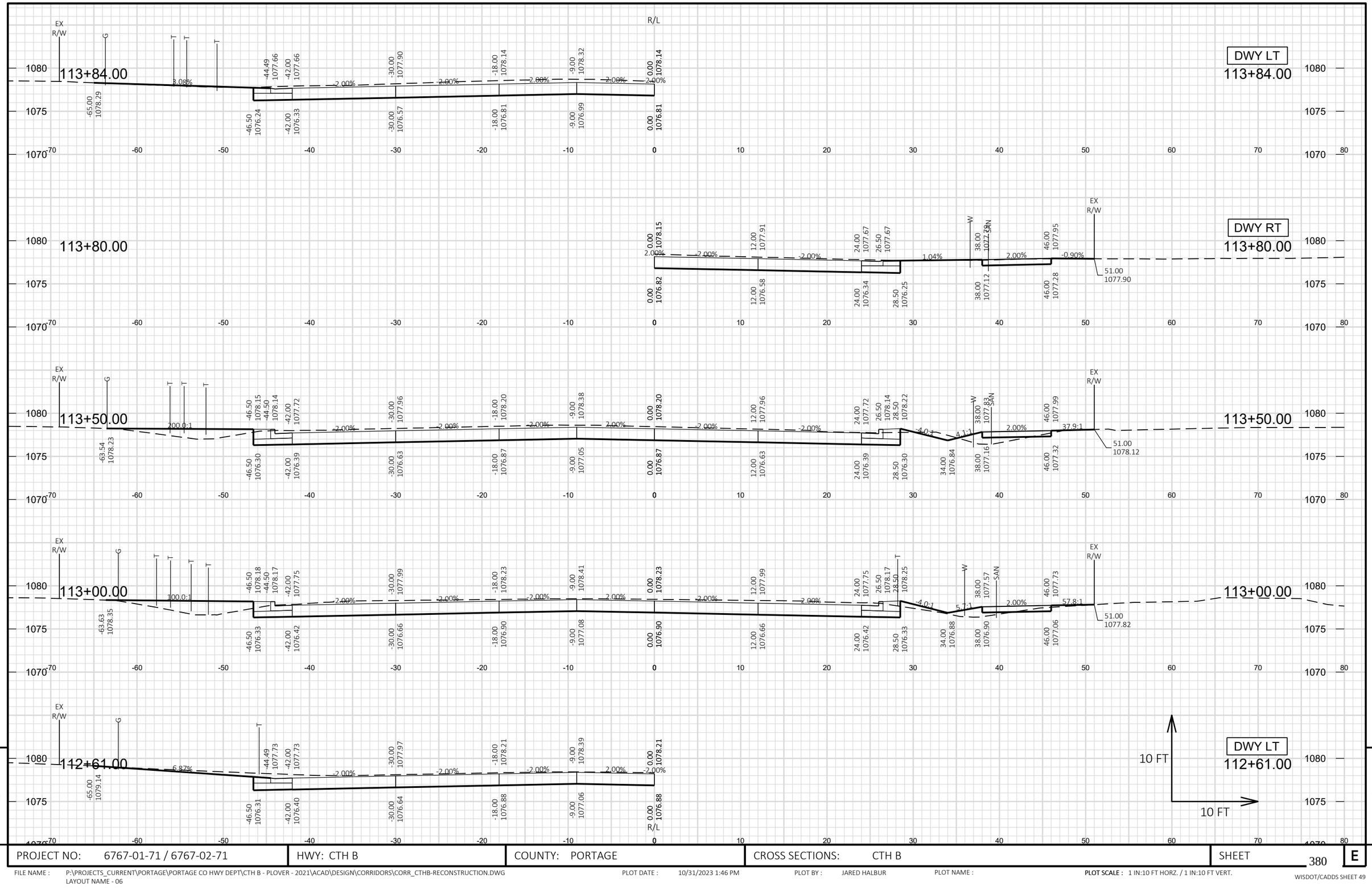


PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	CROSS SECTIONS: CTH B	SHEET 379 E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\DESIGN\CORRIDORS\CORR_CTHB-RECONSTRUCTION.DWG
LAYOUT NAME - 05

PLOT DATE : 10/31/2023 1:46 PM PLOT BY : JARED HALBUR PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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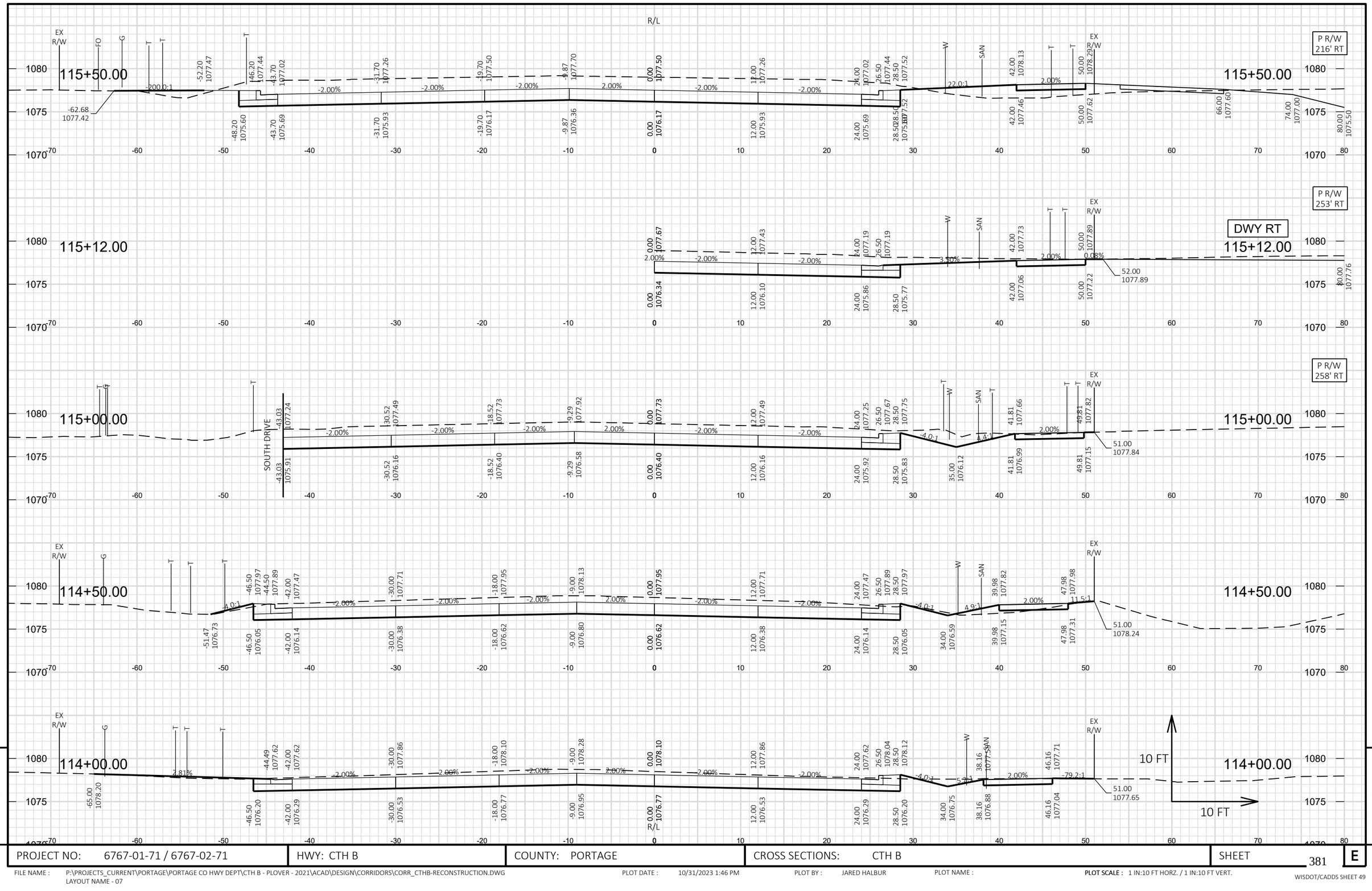
PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	CROSS SECTIONS: CTH B	SHEET 380	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\DESIGN\CORRIDORS\CORR_CTHB-RECONSTRUCTION.DWG
LAYOUT NAME - 06

PLOT DATE : 10/31/2023 1:46 PM PLOT BY : JARED HALBUR PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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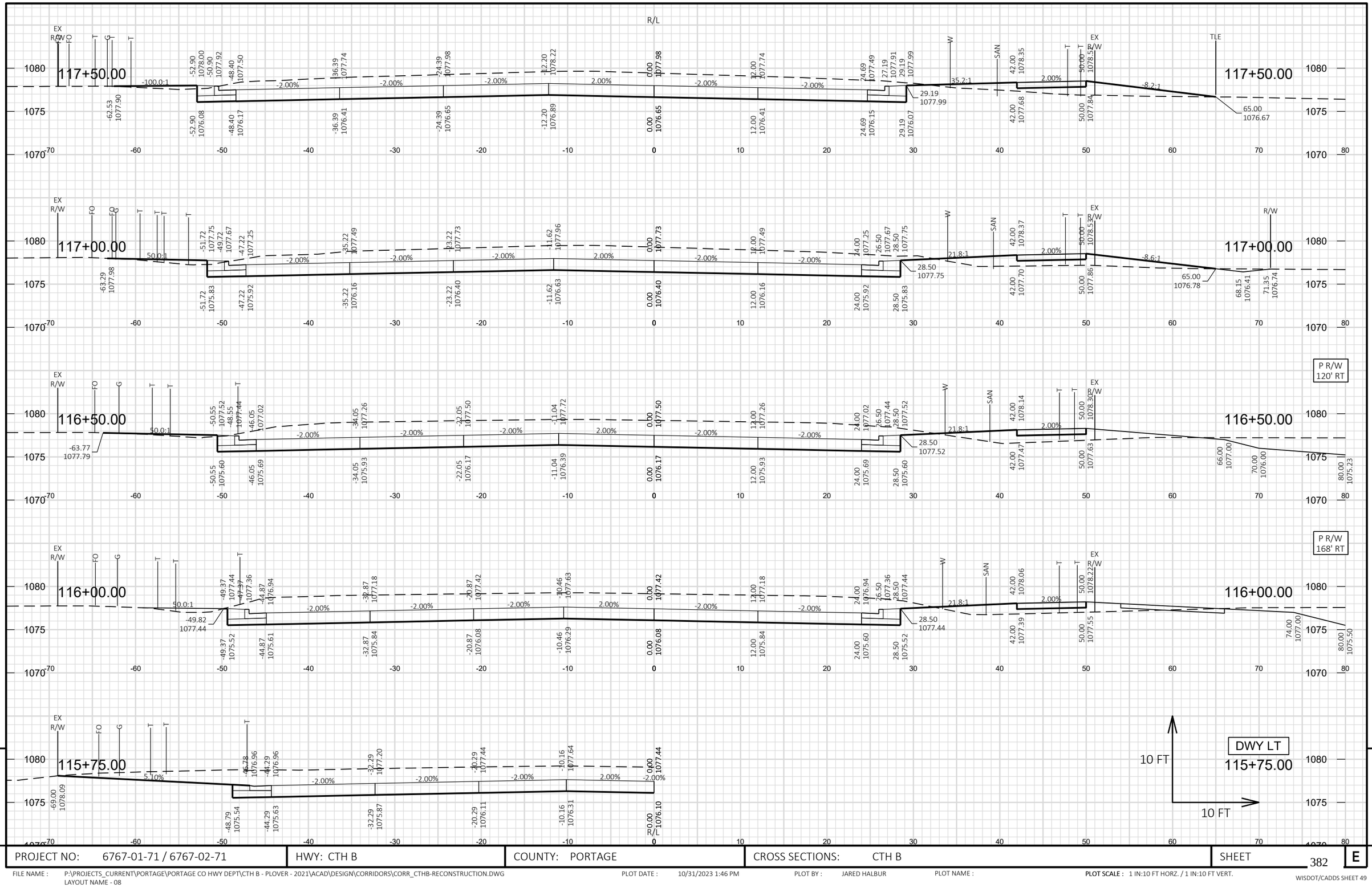
PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	CROSS SECTIONS: CTH B	SHEET 381	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\DESIGN\CORRIDORS\CORR_CTHB-RECONSTRUCTION.DWG
LAYOUT NAME - 07
PLOT DATE : 10/31/2023 1:46 PM
PLOT BY : JARED HALBUR
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

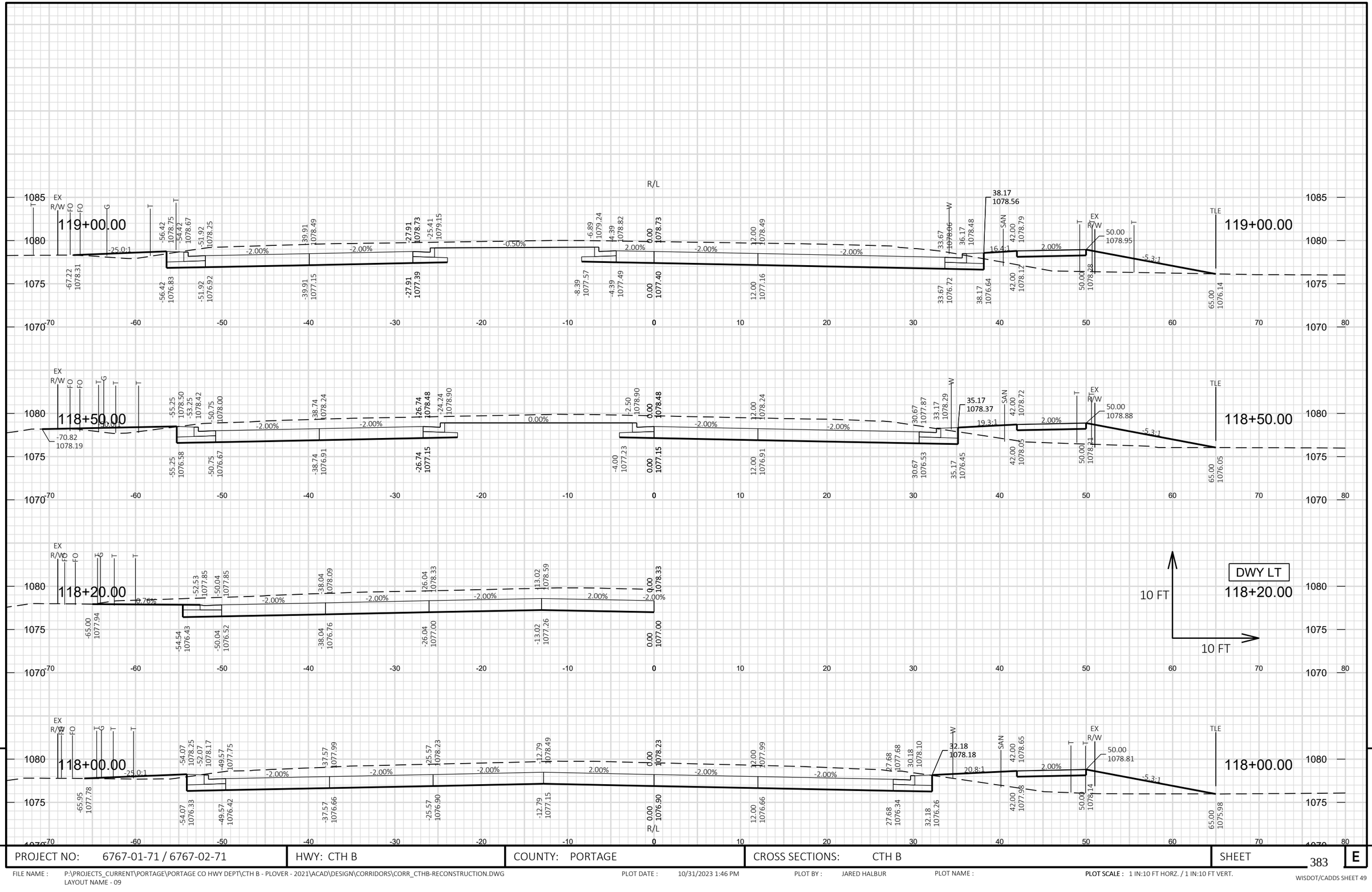


PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	CROSS SECTIONS: CTH B	SHEET 382 E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\DESIGN\CORRIDORS\CORR_CTHB-RECONSTRUCTION.DWG
LAYOUT NAME - 08

PLOT DATE : 10/31/2023 1:46 PM PLOT BY : JARED HALBUR PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

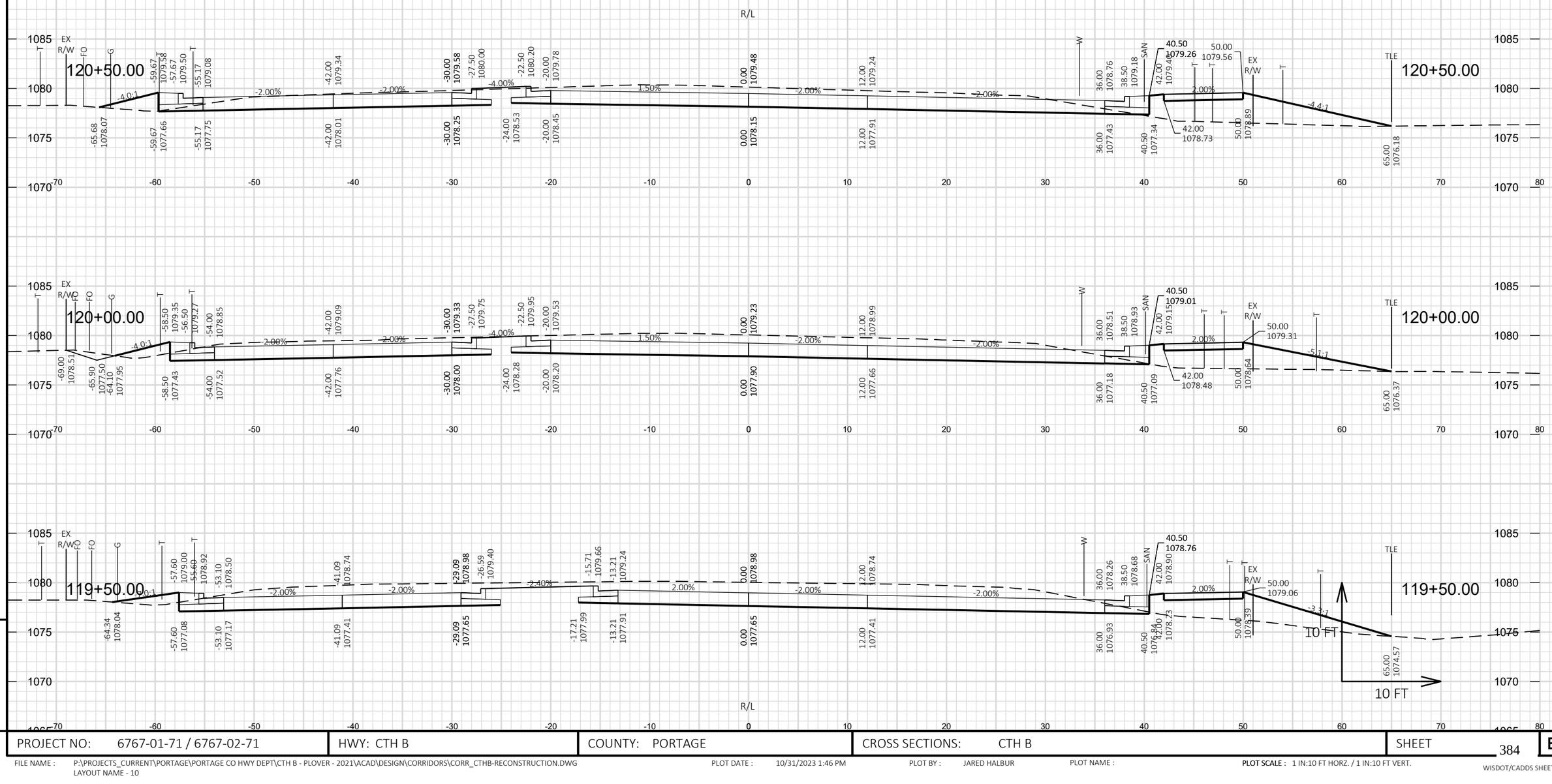


PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	CROSS SECTIONS: CTH B	SHEET 383	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\DESIGN\CORRIDORS\CORR_CTHB-RECONSTRUCTION.DWG
LAYOUT NAME - 09

PLOT DATE : 10/31/2023 1:46 PM PLOT BY : JARED HALBUR PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

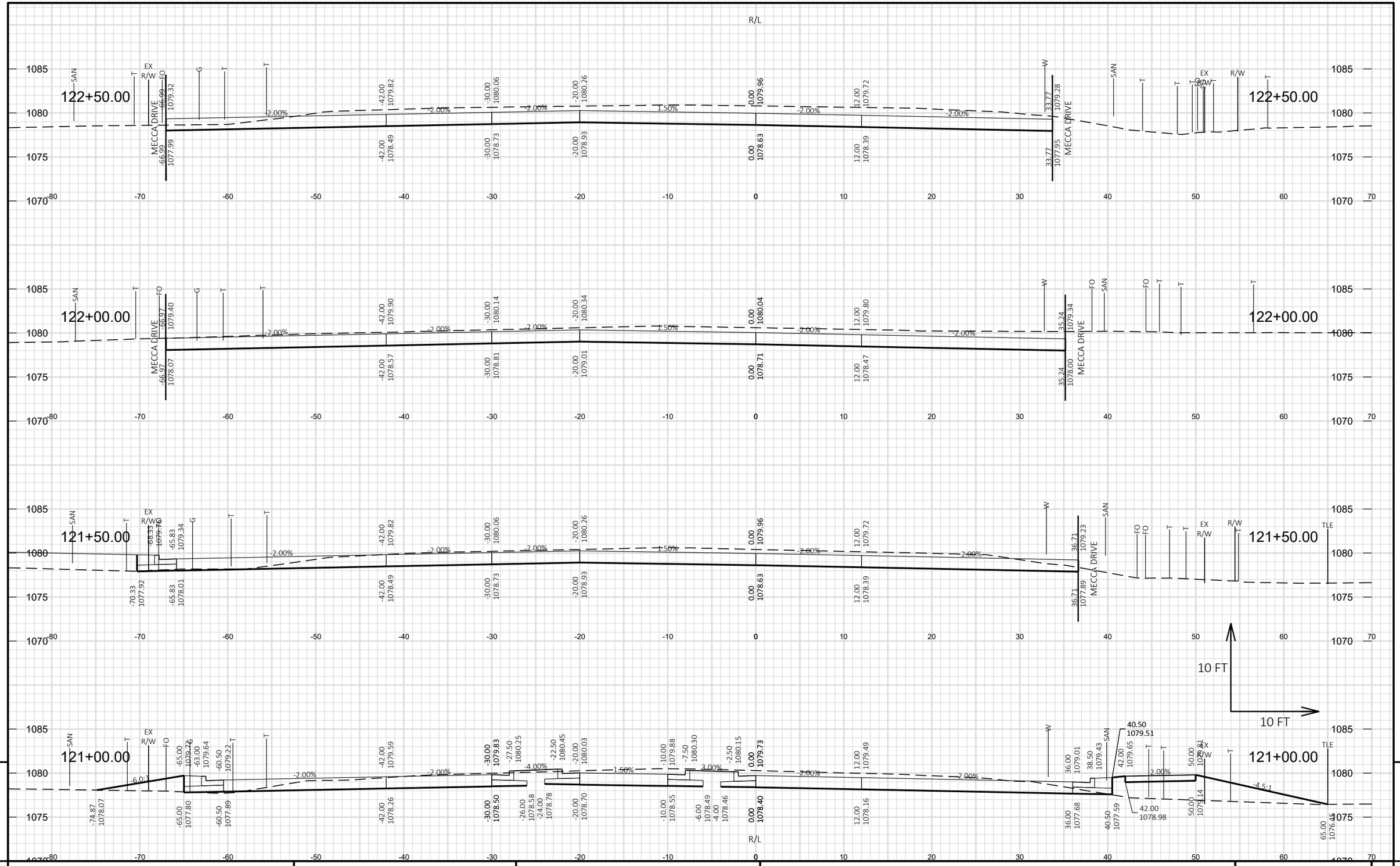


PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	CROSS SECTIONS: CTH B	SHEET 384 E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\DESIGN\CORRIDORS\CORR_CTHB-RECONSTRUCTION.DWG
LAYOUT NAME - 10

PLOT DATE : 10/31/2023 1:46 PM PLOT BY : JARED HALBUR PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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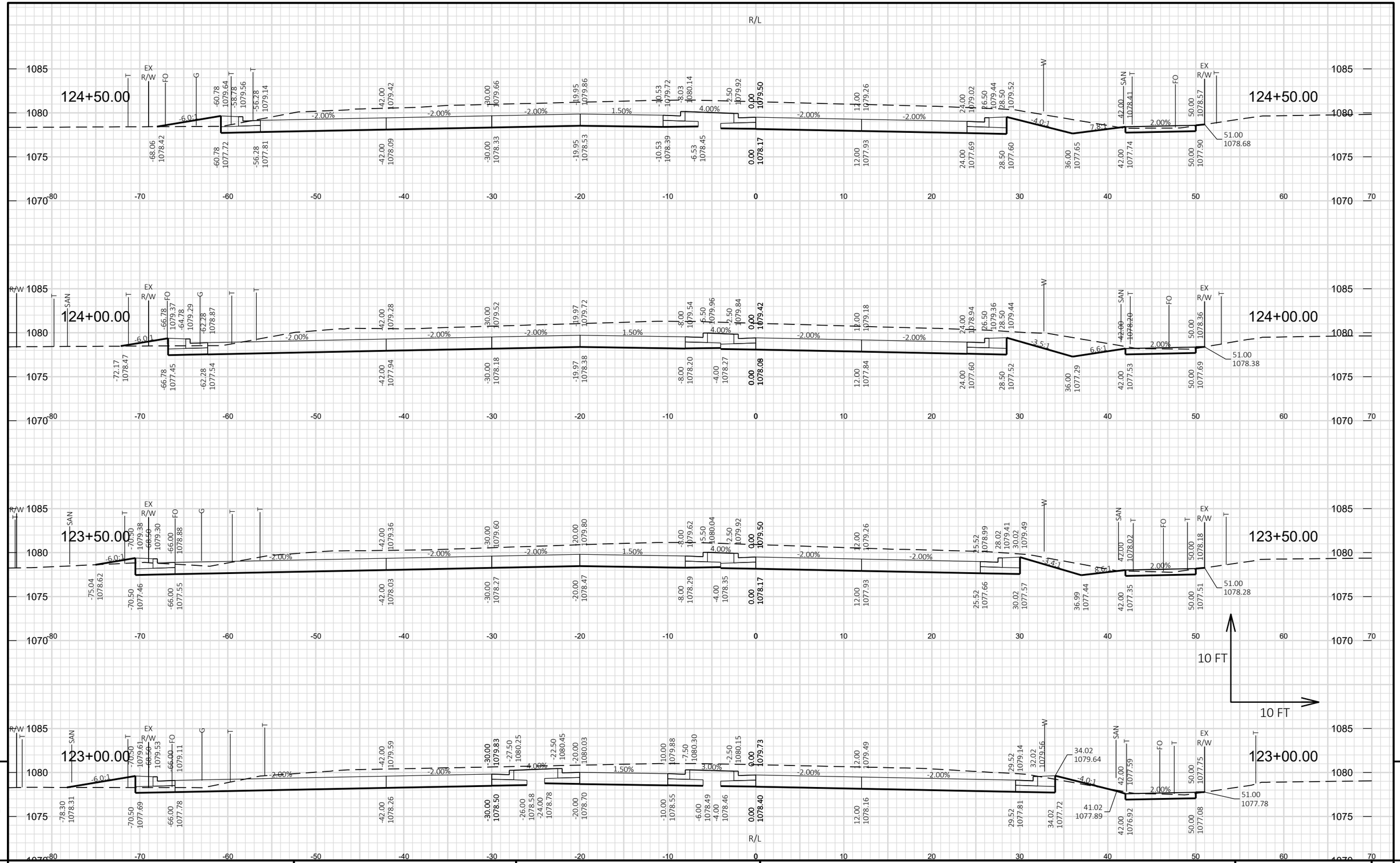
9

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	CROSS SECTIONS: CTH B	SHEET 385 E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\DESIGN\CORRIDORS\CORR_CTHB-RECONSTRUCTION.DWG
LAYOUT NAME - 11

PLOT DATE : 10/31/2023 1:46 PM PLOT BY : JARED HALBUR PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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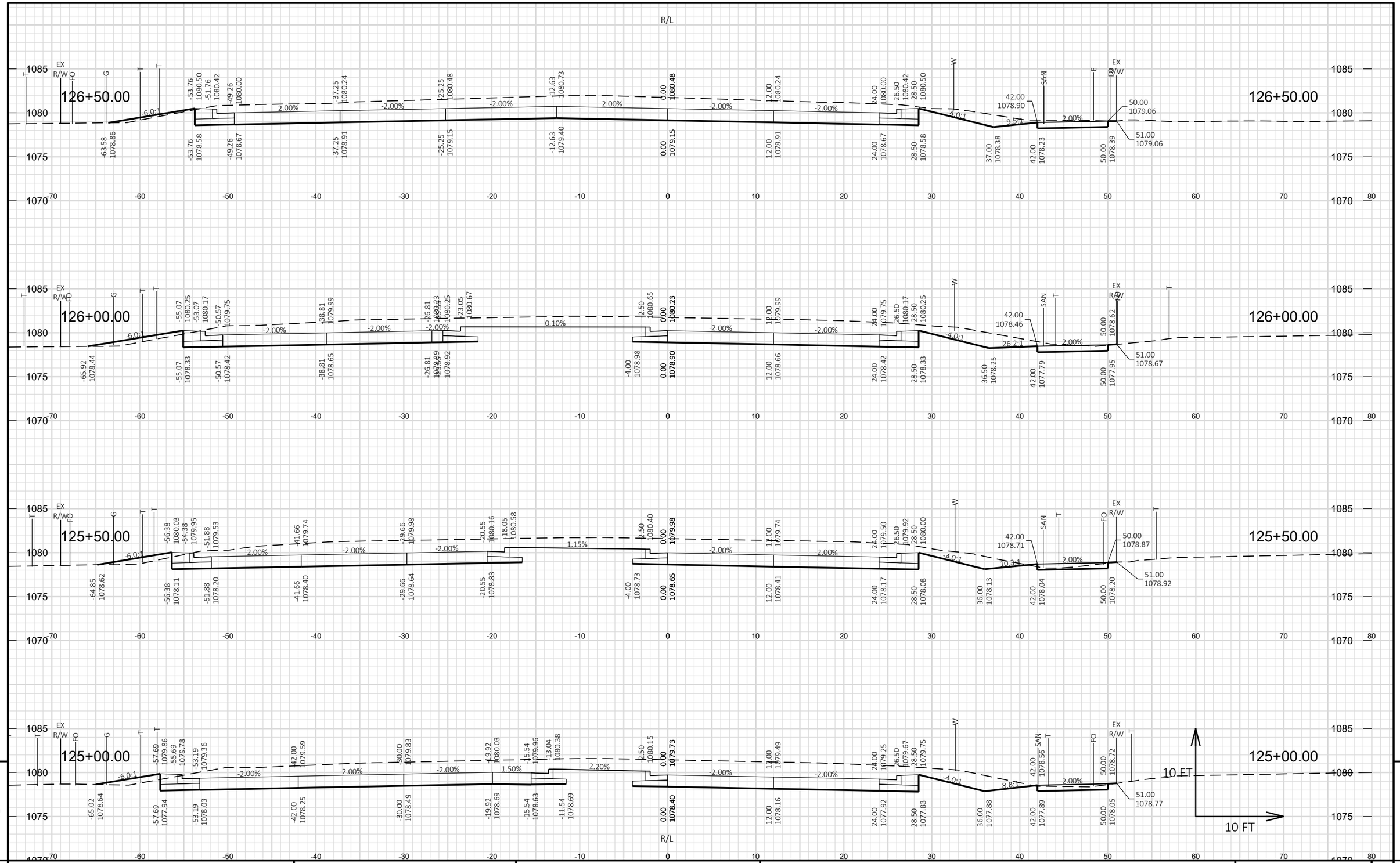
PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	CROSS SECTIONS: CTH B	SHEET 386	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\DESIGN\CORRIDORS\CORR_CTHB-RECONSTRUCTION.DWG
LAYOUT NAME - 12

PLOT DATE : 10/31/2023 1:46 PM PLOT BY : JARED HALBUR PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

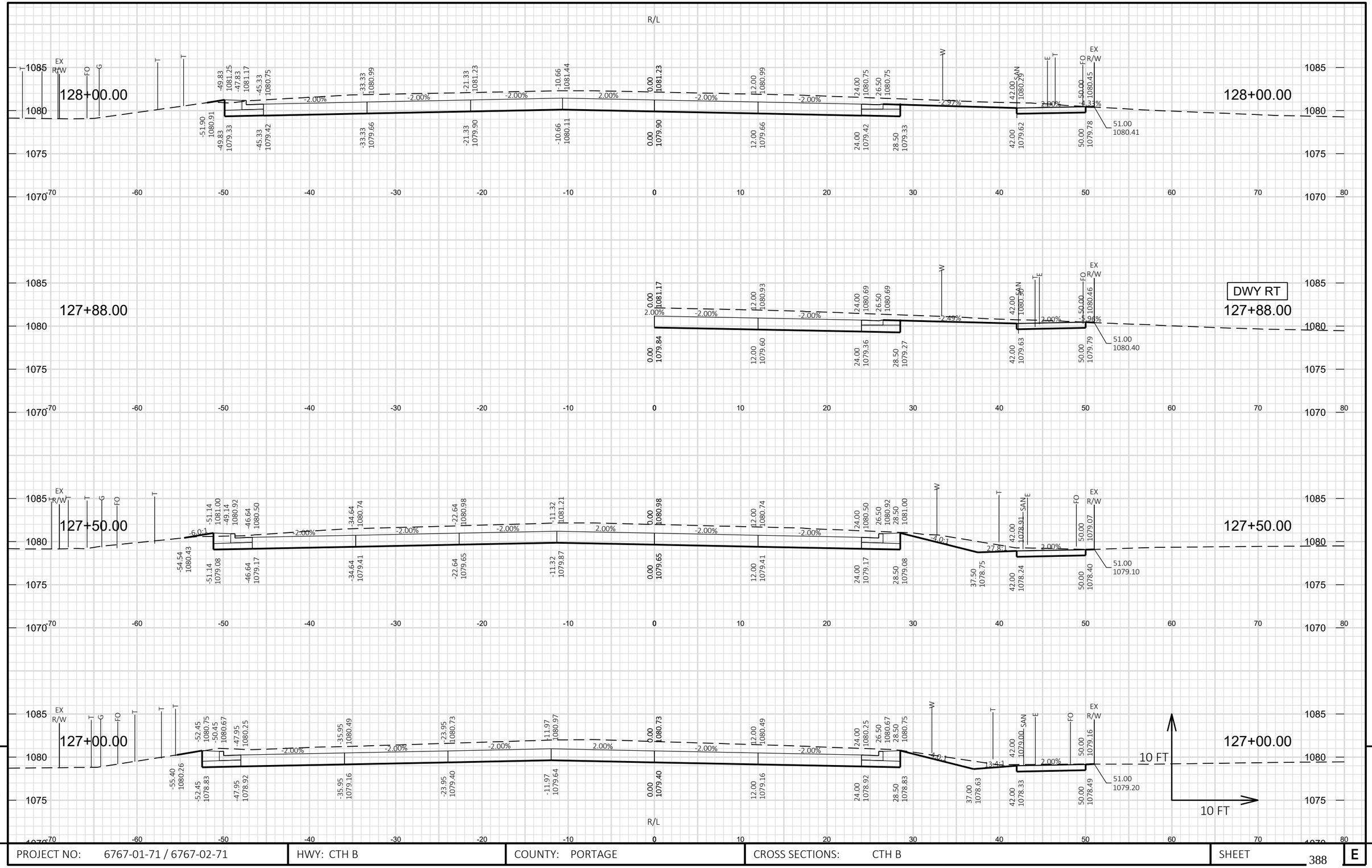


PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	CROSS SECTIONS: CTH B	SHEET 387 E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\DESIGN\CORRIDORS\CORR_CTHB-RECONSTRUCTION.DWG
LAYOUT NAME - 13

PLOT DATE : 10/31/2023 1:46 PM PLOT BY : JARED HALBUR PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

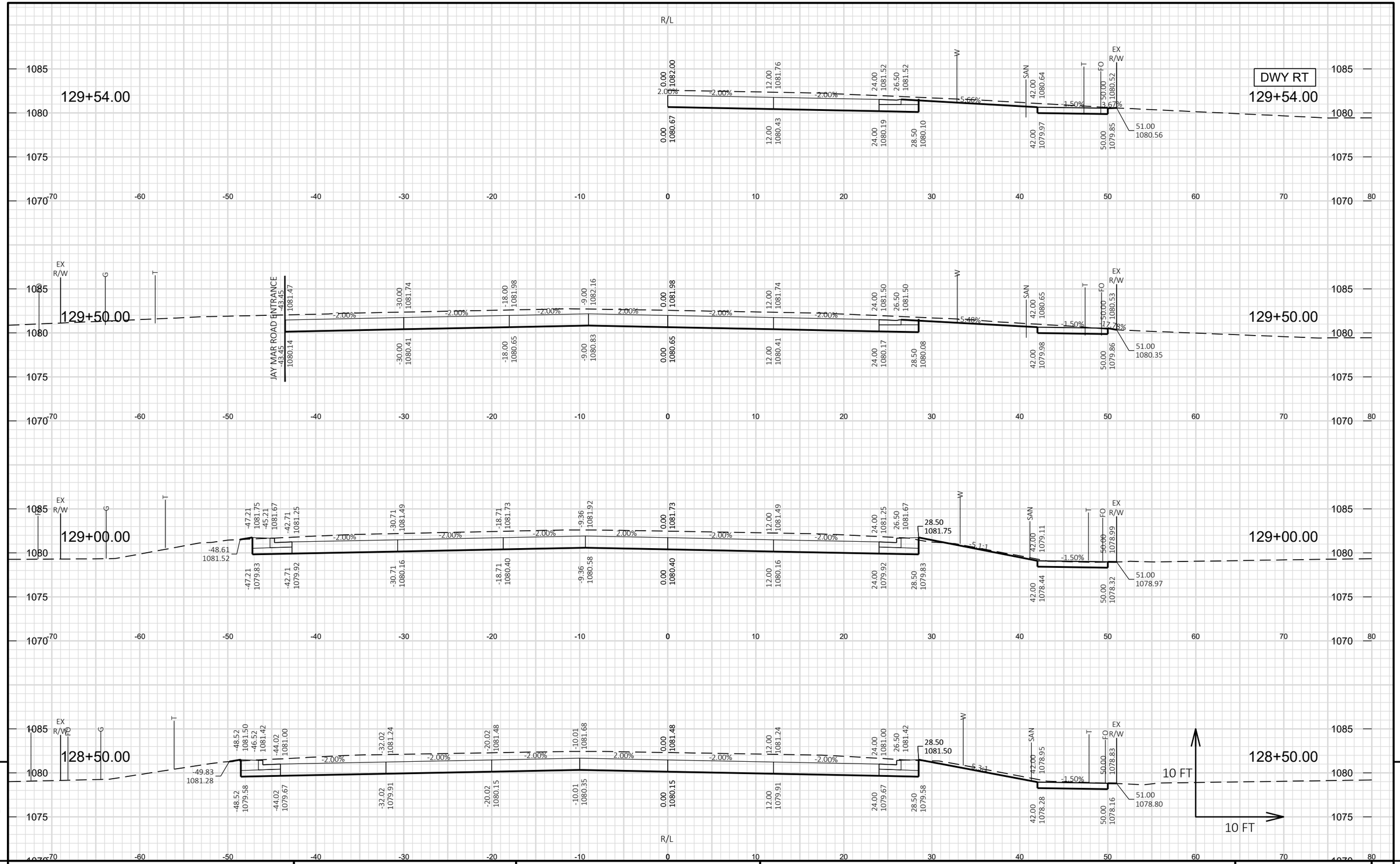


PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	CROSS SECTIONS: CTH B	SHEET 388 E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\DESIGN\CORRIDORS\CORR_CTHB-RECONSTRUCTION.DWG
LAYOUT NAME - 14

PLOT DATE : 10/31/2023 1:46 PM PLOT BY : JARED HALBUR PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

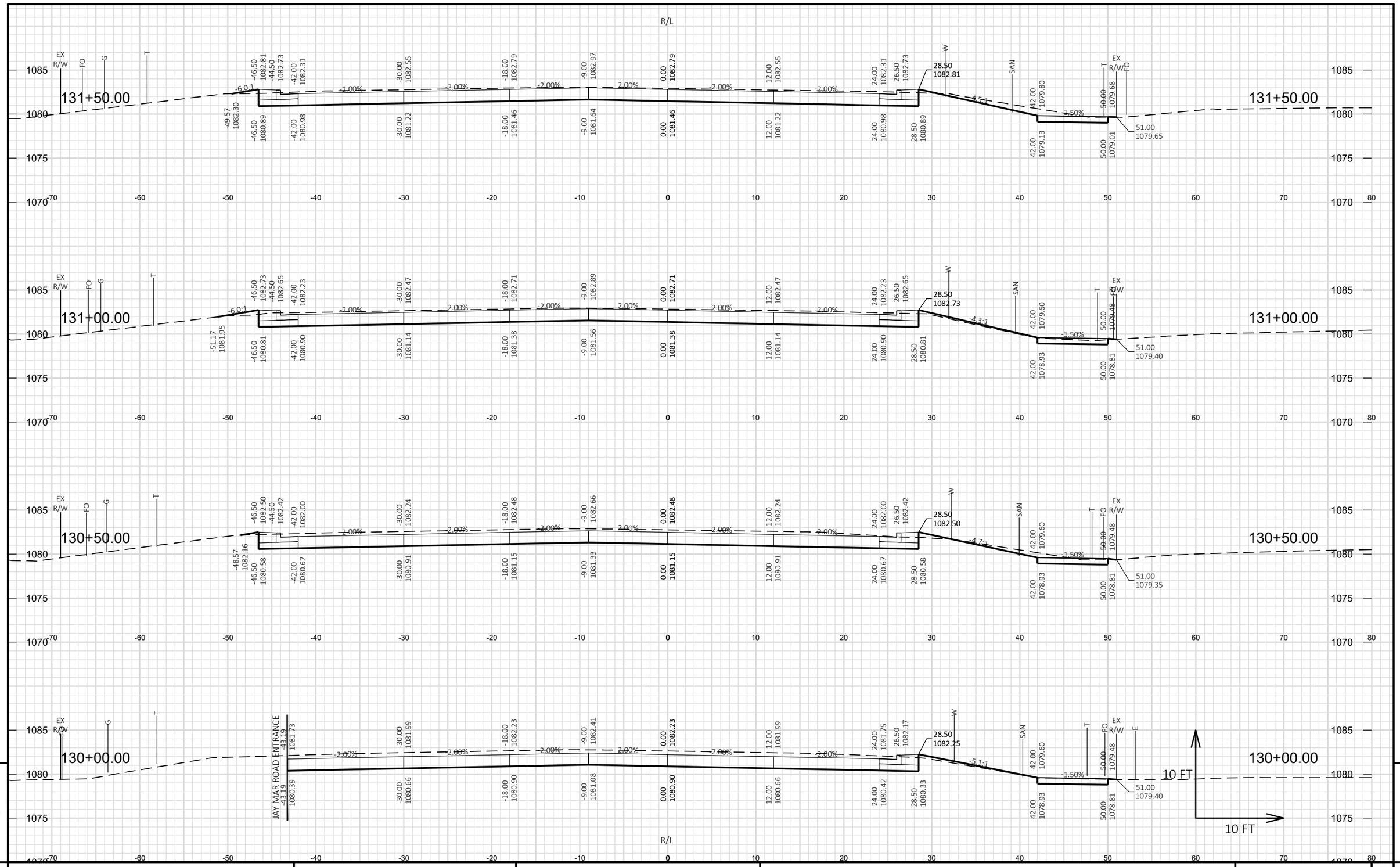


PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	CROSS SECTIONS: CTH B	SHEET 389 E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\DESIGN\CORRIDORS\CORR_CTHB-RECONSTRUCTION.DWG
LAYOUT NAME - 15

PLOT DATE : 10/31/2023 1:46 PM PLOT BY : JARED HALBUR PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

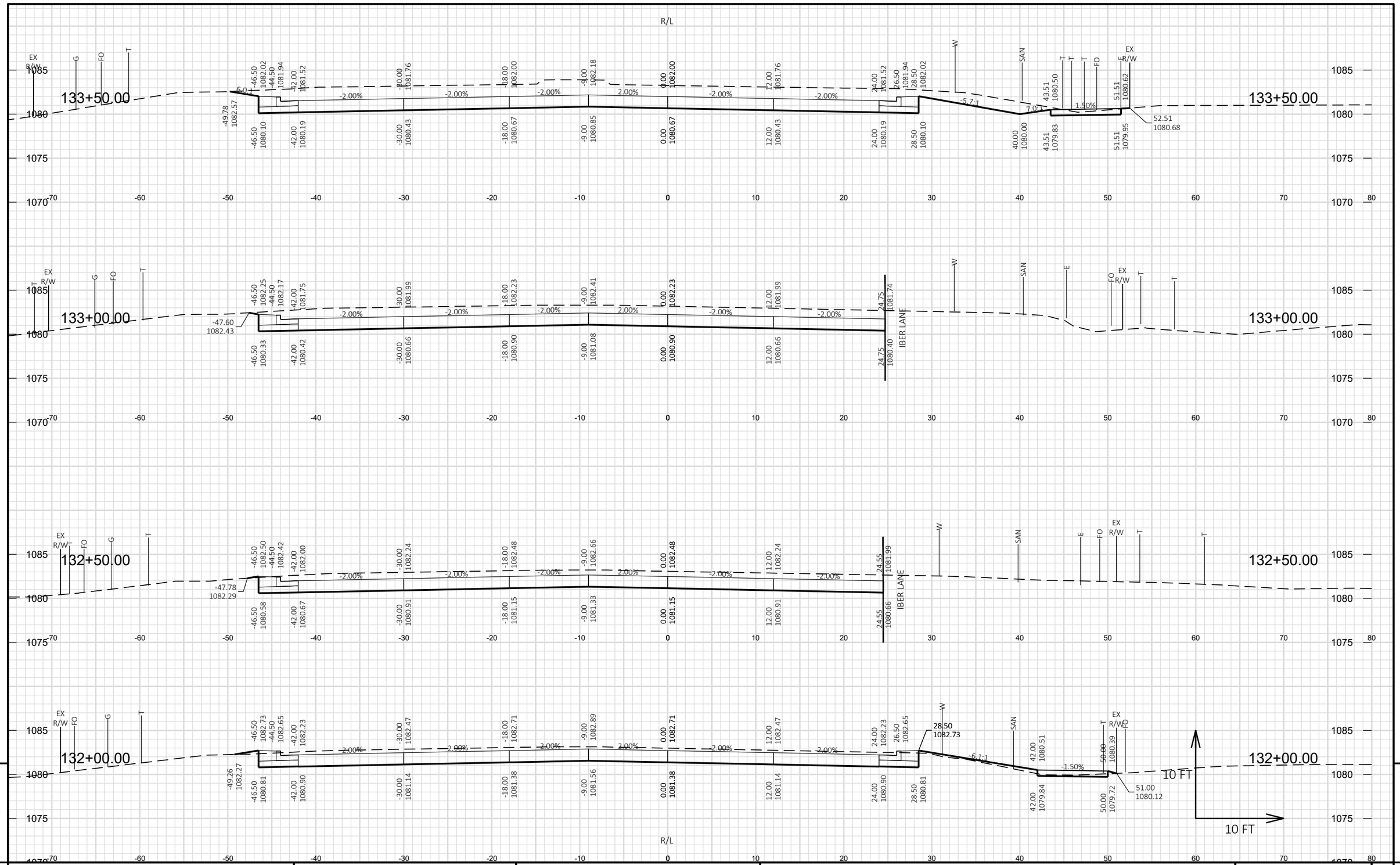


PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	CROSS SECTIONS: CTH B	SHEET 390 E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\DESIGN\CORRIDORS\CORR_CTHB-RECONSTRUCTION.DWG
LAYOUT NAME - 16

PLOT DATE : 10/31/2023 1:46 PM PLOT BY : JARED HALBUR PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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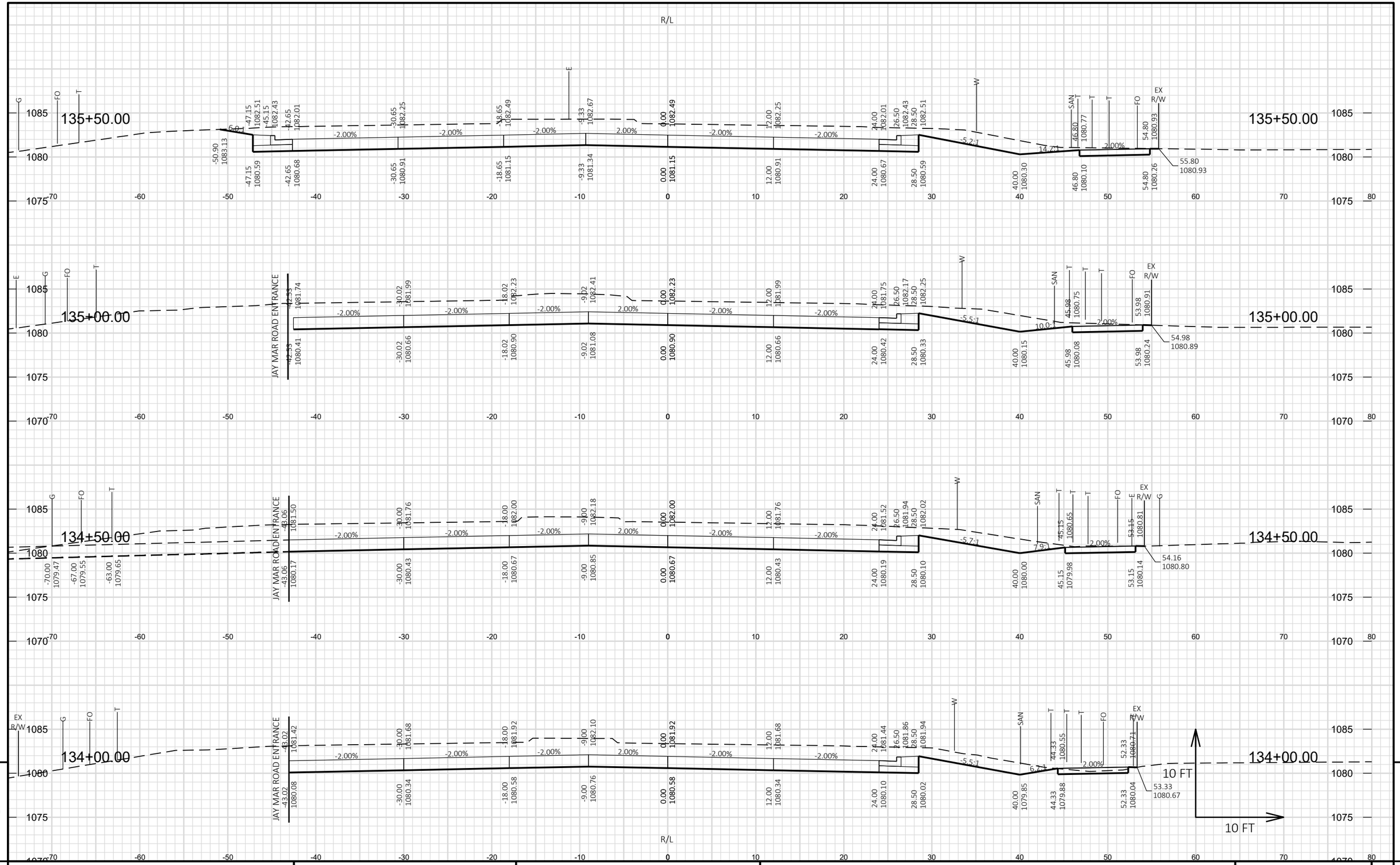
PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	CROSS SECTIONS: CTH B	SHEET 391	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\DESIGN\CORRIDORS\CORR_CTHB-RECONSTRUCTION.DWG
LAYOUT NAME - 17

PLOT DATE : 10/31/2023 1:46 PM PLOT BY : JARED HALBUR PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



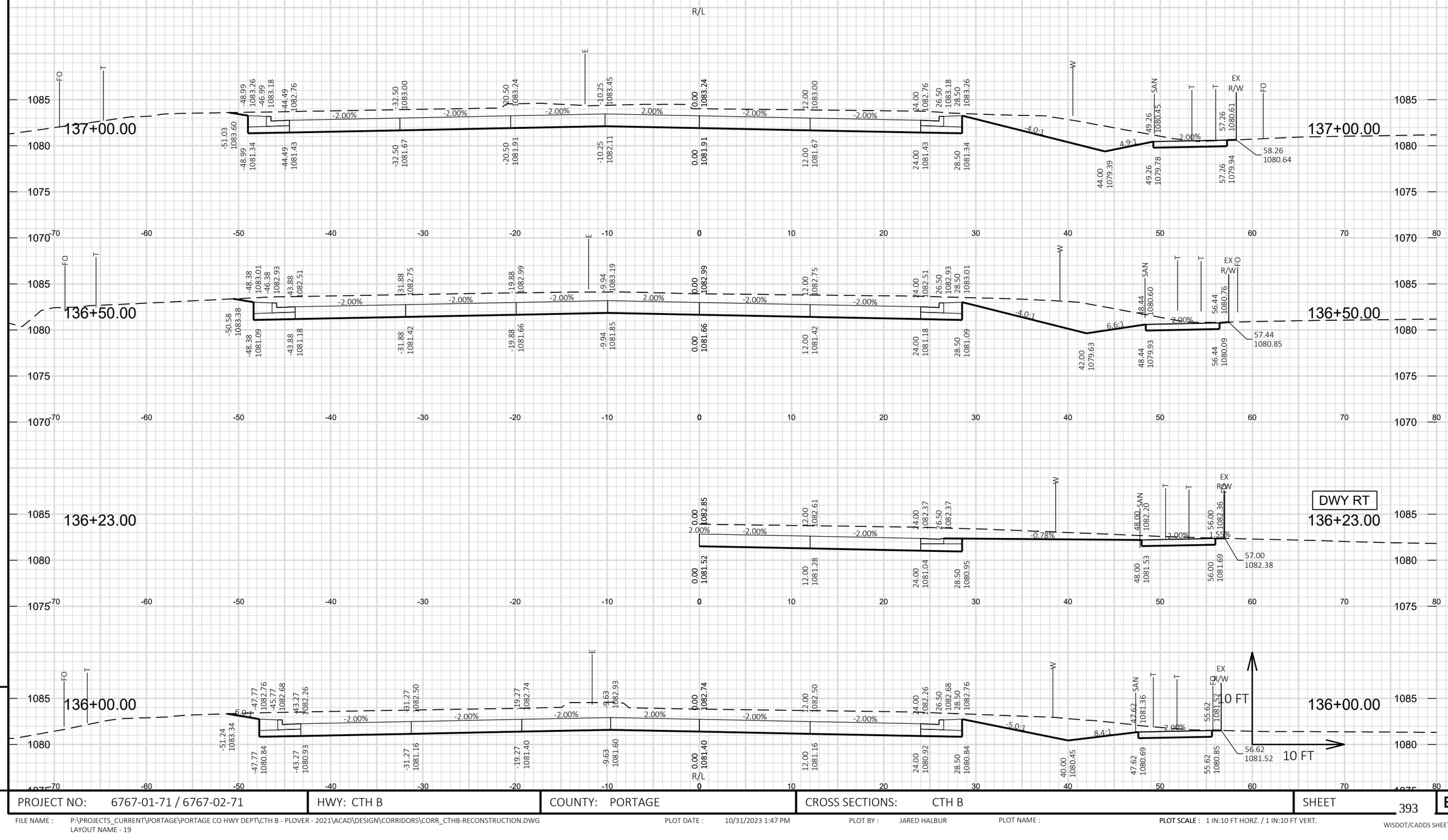
9 9

PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	CROSS SECTIONS: CTH B	SHEET 392	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\DESIGN\CORRIDORS\CORR_CTHB-RECONSTRUCTION.DWG
LAYOUT NAME - 18

PLOT DATE : 10/31/2023 1:47 PM PLOT BY : JARED HALBUR PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



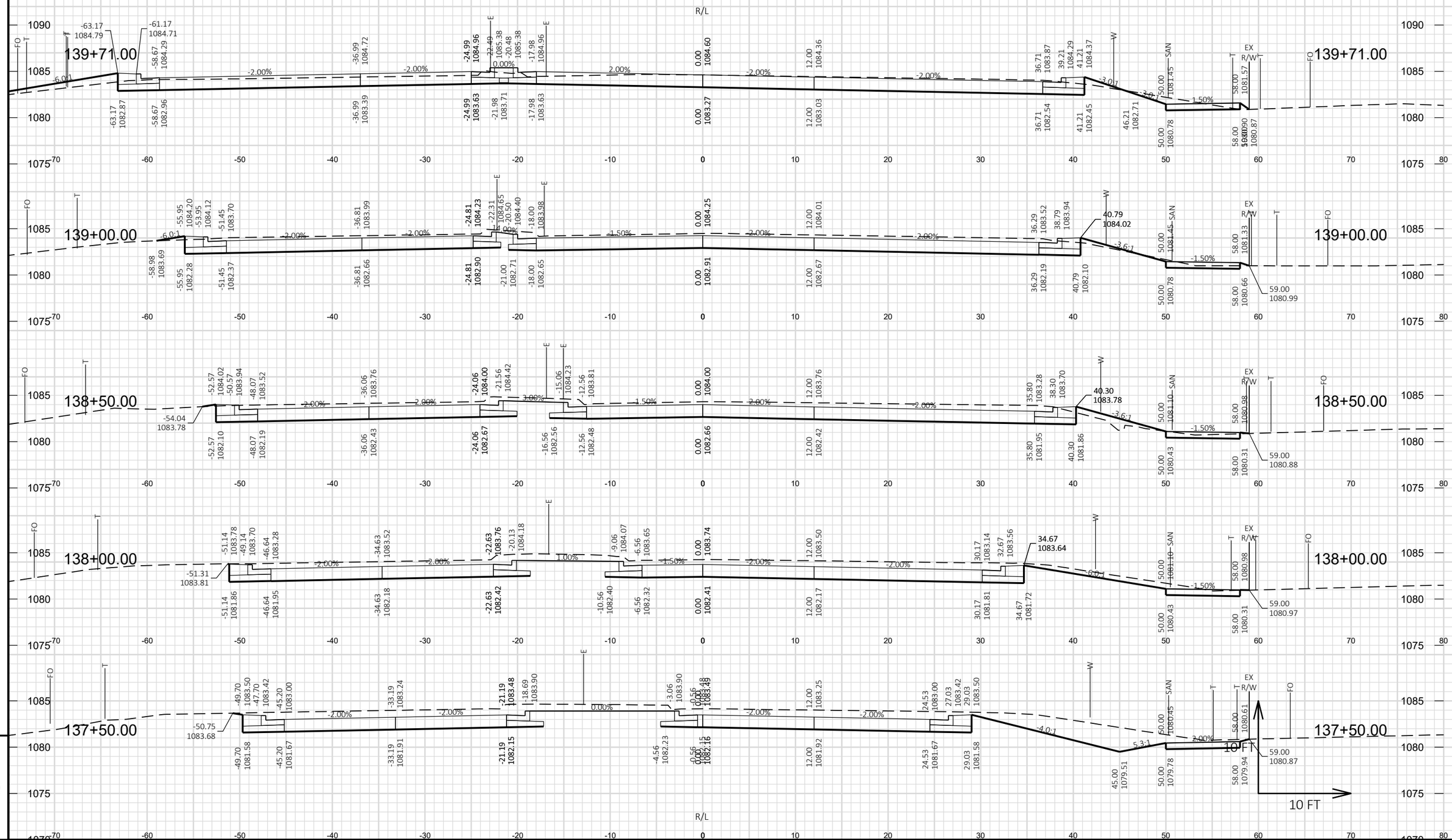
PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	CROSS SECTIONS: CTH B	SHEET 393 E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\DESIGN\CORRIDORS\CORR_CTHB-RECONSTRUCTION.DWG
LAYOUT NAME - 19

PLOT DATE : 10/31/2023 1:47 PM PLOT BY : JARED HALBUR PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION
STA 139+71

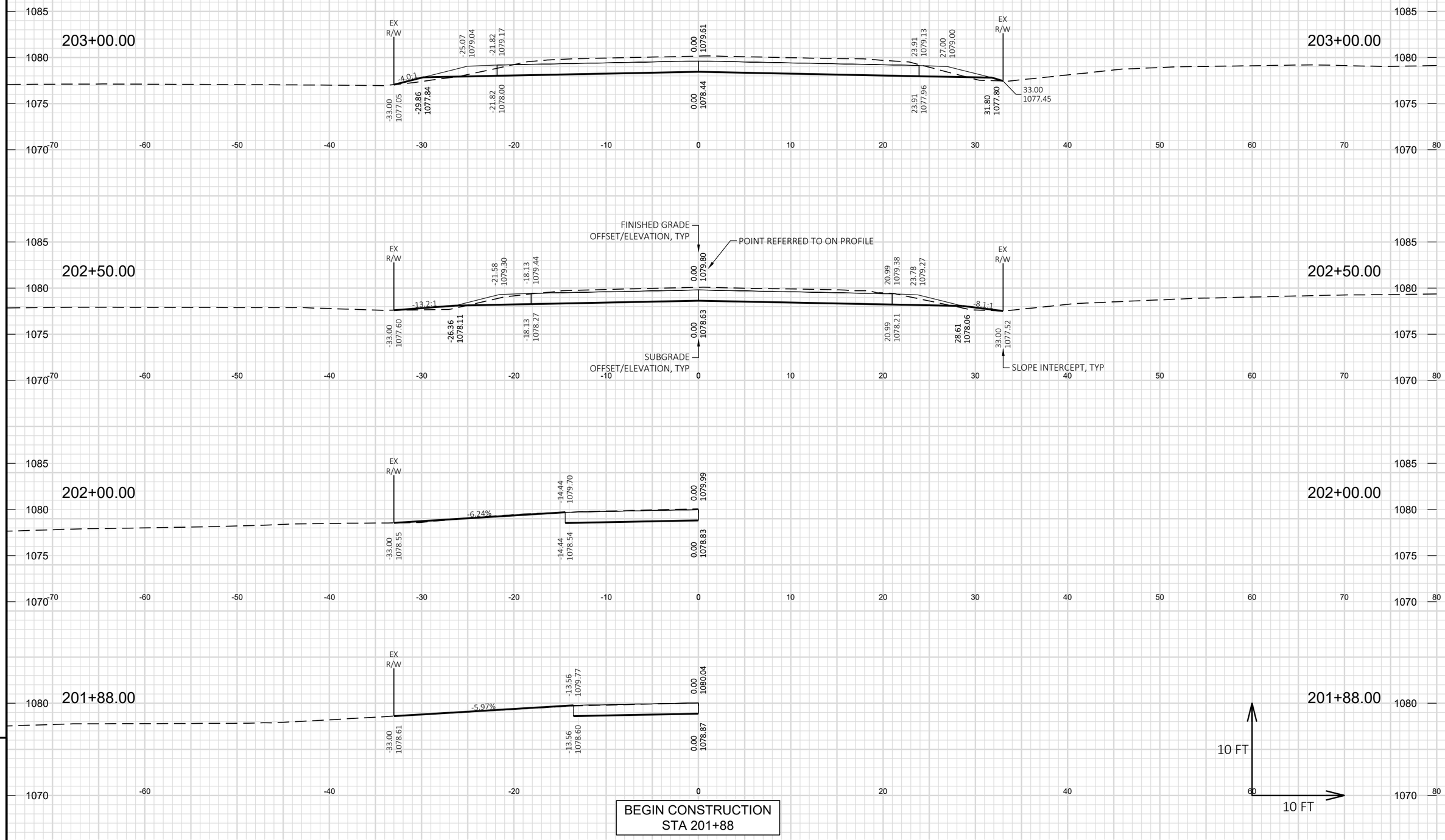


PROJECT NO: 6767-01-71 / 6767-02-71	HWY: CTH B	COUNTY: PORTAGE	CROSS SECTIONS: CTH B	SHEET 394 E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\DESIGN\CORRIDORS\CORR_CTHB-RECONSTRUCTION.DWG
LAYOUT NAME - 20

PLOT DATE : 10/31/2023 1:47 PM PLOT BY : JARED HALBUR PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

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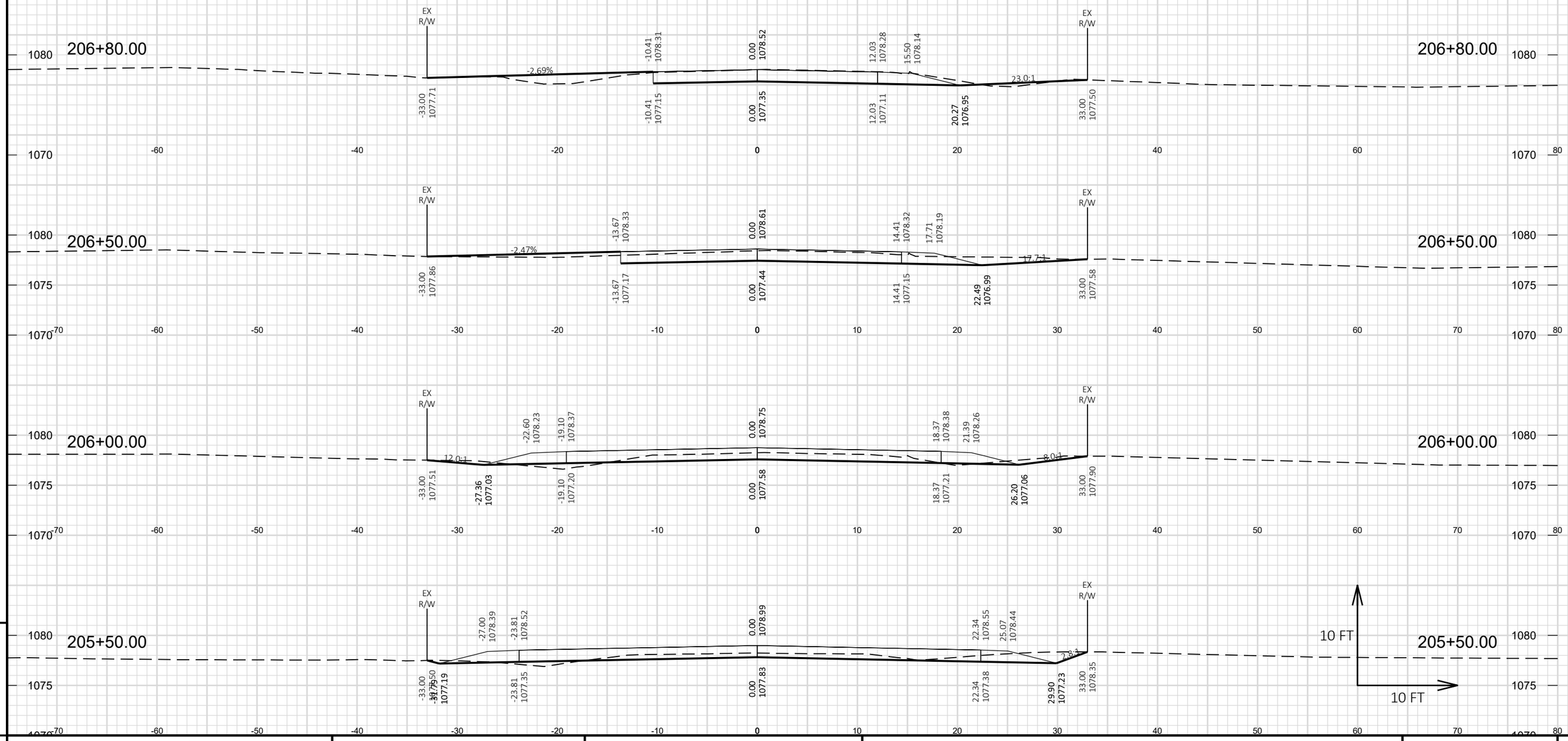
PROJECT NO: 6767-01-71/6767-02-71	HWY: CTH B	COUNTY: PORTAGE	CROSS SECTIONS: MECCA DRIVE	SHEET 395	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\DESIGN\ALIPROF\ALIPROF_MECCADR.DWG
LAYOUT NAME - 00

PLOT DATE : 10/27/2023 1:56 PM PLOT BY : JARED HALBUR PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

END CONSTRUCTION
STA 206+80



PROJECT NO: 6767-01-71/6767-02-71	HWY: CTH B	COUNTY: PORTAGE	CROSS SECTIONS: MECCA DRIVE	SHEET 396 E

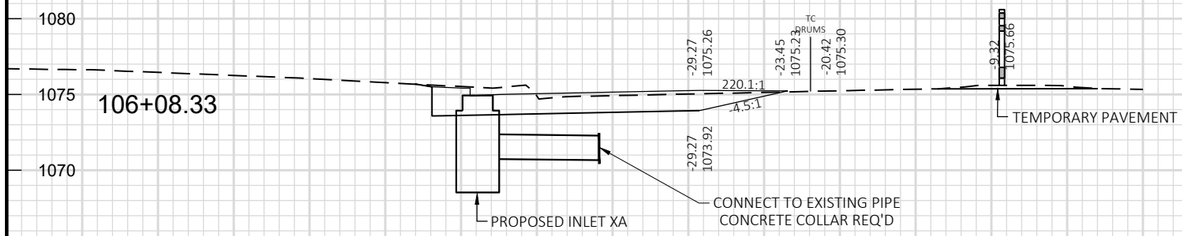
FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\DESIGN\ALIPROF\ALIPROF_MECCADR.DWG
LAYOUT NAME - 01

PLOT DATE : 10/27/2023 1:57 PM PLOT BY : JARED HALBUR PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

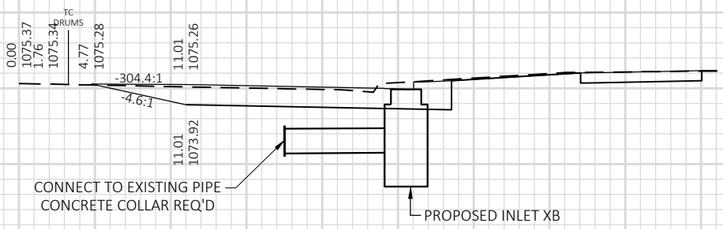
NOTES:
ALL SLOPES GREATER THAN 3:1 MUST BE RESTORED TO 3:1 OR BETTER BEFORE END OF DAY

106+08.33



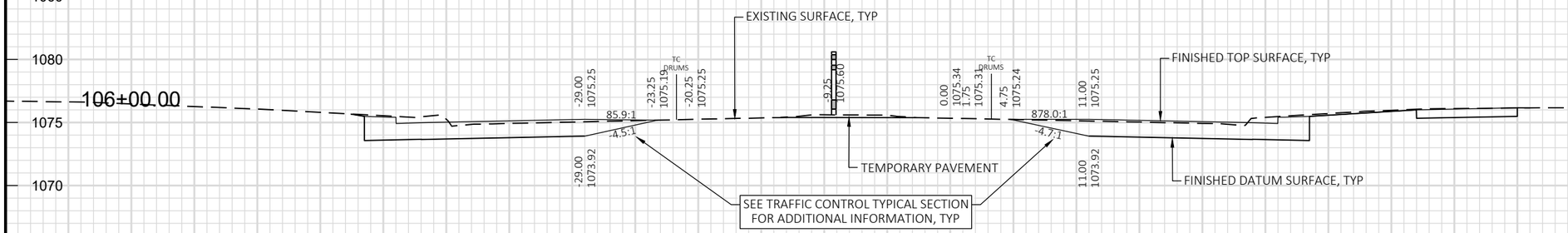
106+08.33
CROSS SECTION ON SKEW
(MATCH STORM SEWER RUN)

106+04.67



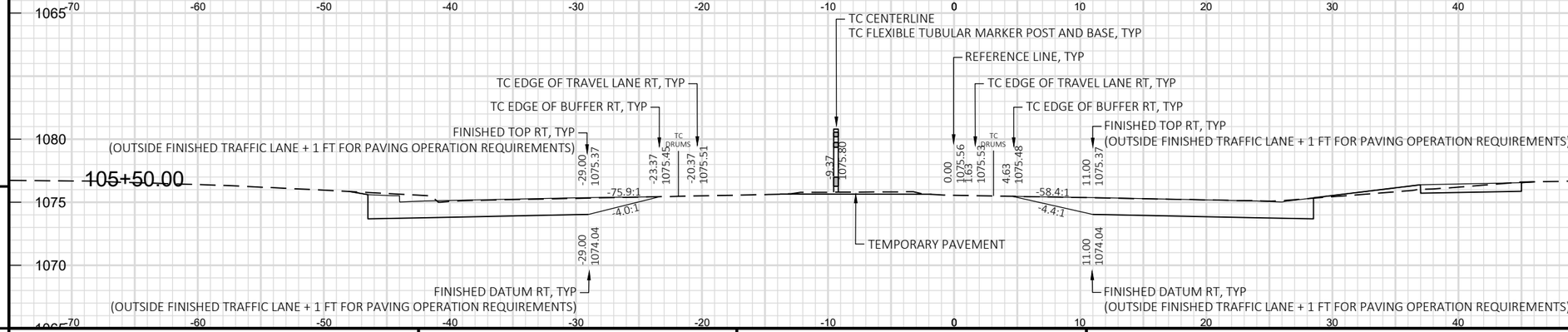
106+04.67
CROSS SECTION ON SKEW
(MATCH STORM SEWER RUN)

106+00.00

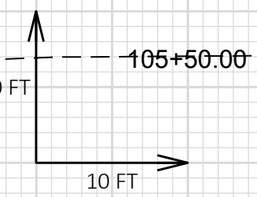


106+00.00

105+50.00



105+50.00



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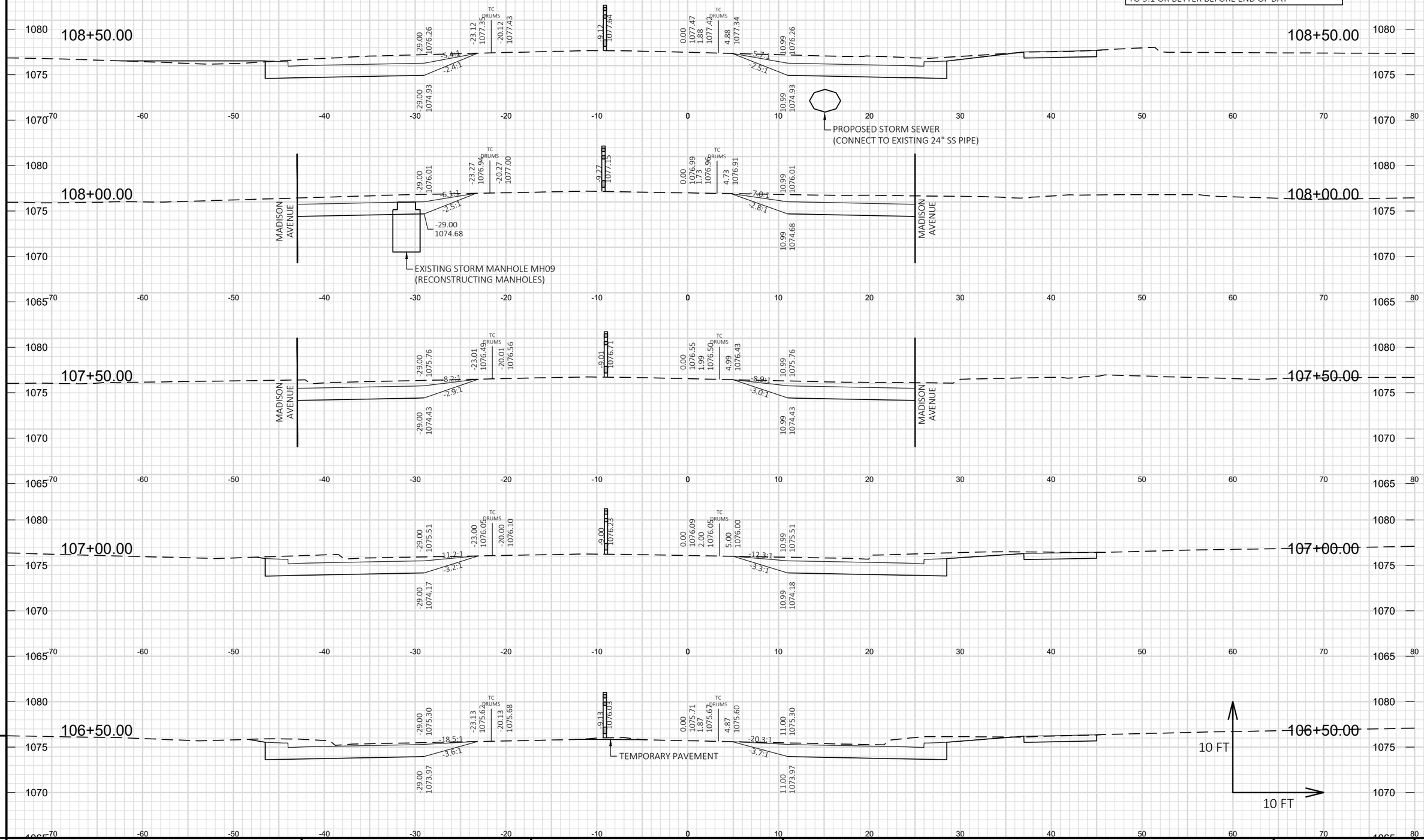
PROJECT NO: 6767-01-71	HWY: CTH B	COUNTY: PORTAGE	CROSS SECTIONS: TRAFFIC CONTROL (STAGE 3)	SHEET 397	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\DESIGN\CORRIDORS\CORR_CTHB-STAGE1-CL_OS.DWG
LAYOUT NAME - 01

PLOT DATE : 10/30/2023 12:59 PM PLOT BY : JARED HALBUR PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

NOTES:
ALL SLOPES GREATER THAN 3:1 MUST BE RESTORED TO 3:1 OR BETTER BEFORE END OF DAY



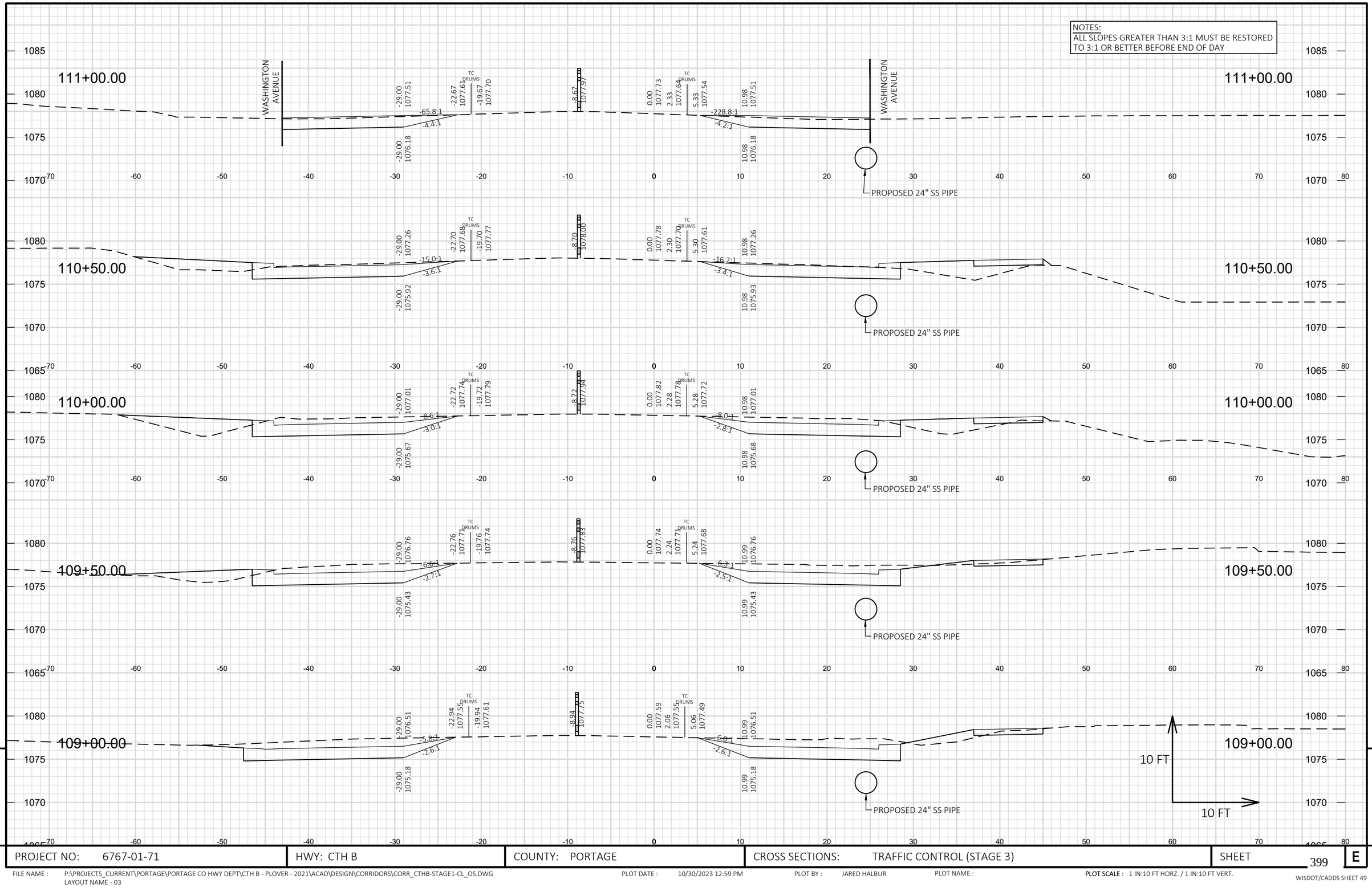
PROJECT NO: 6767-01-71	HWY: CTH B	COUNTY: PORTAGE	CROSS SECTIONS: TRAFFIC CONTROL (STAGE 3)	SHEET 398 E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\DESIGN\CORRIDORS\CORR_CTHB-STAGE1-CL_OS.DWG
LAYOUT NAME - 02

PLOT DATE : 10/30/2023 12:59 PM PLOT BY : JARED HALBUR PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

NOTES:
ALL SLOPES GREATER THAN 3:1 MUST BE RESTORED TO 3:1 OR BETTER BEFORE END OF DAY



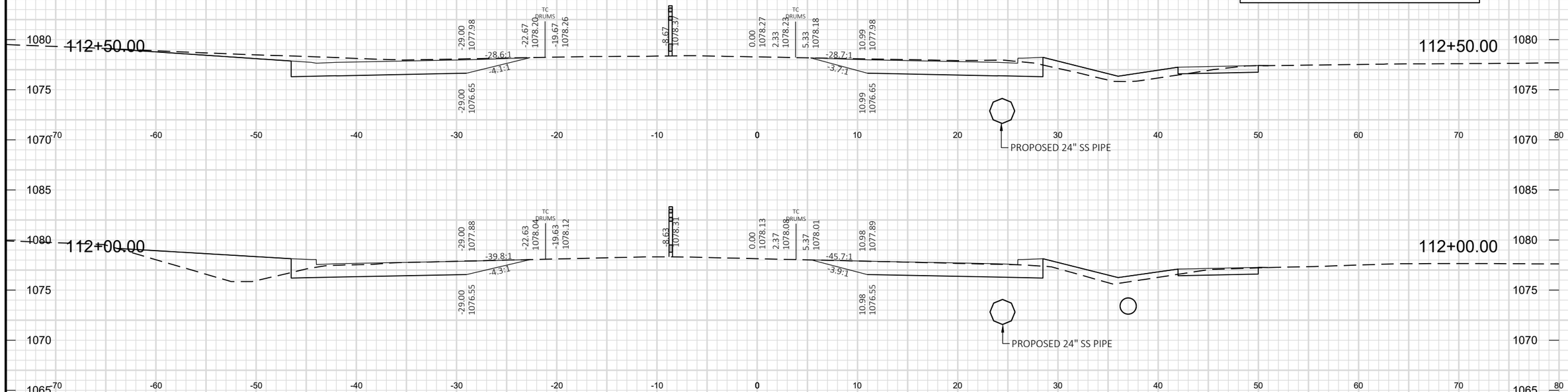
PROJECT NO: 6767-01-71	HWY: CTH B	COUNTY: PORTAGE	CROSS SECTIONS: TRAFFIC CONTROL (STAGE 3)	SHEET 399 E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\DESIGN\CORRIDORS\CORR_CTHB-STAGE1-CL_OS.DWG
LAYOUT NAME - 03

PLOT DATE : 10/30/2023 12:59 PM PLOT BY : JARED HALBUR PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

NOTES:
ALL SLOPES GREATER THAN 3:1 MUST BE RESTORED TO 3:1 OR BETTER BEFORE END OF DAY



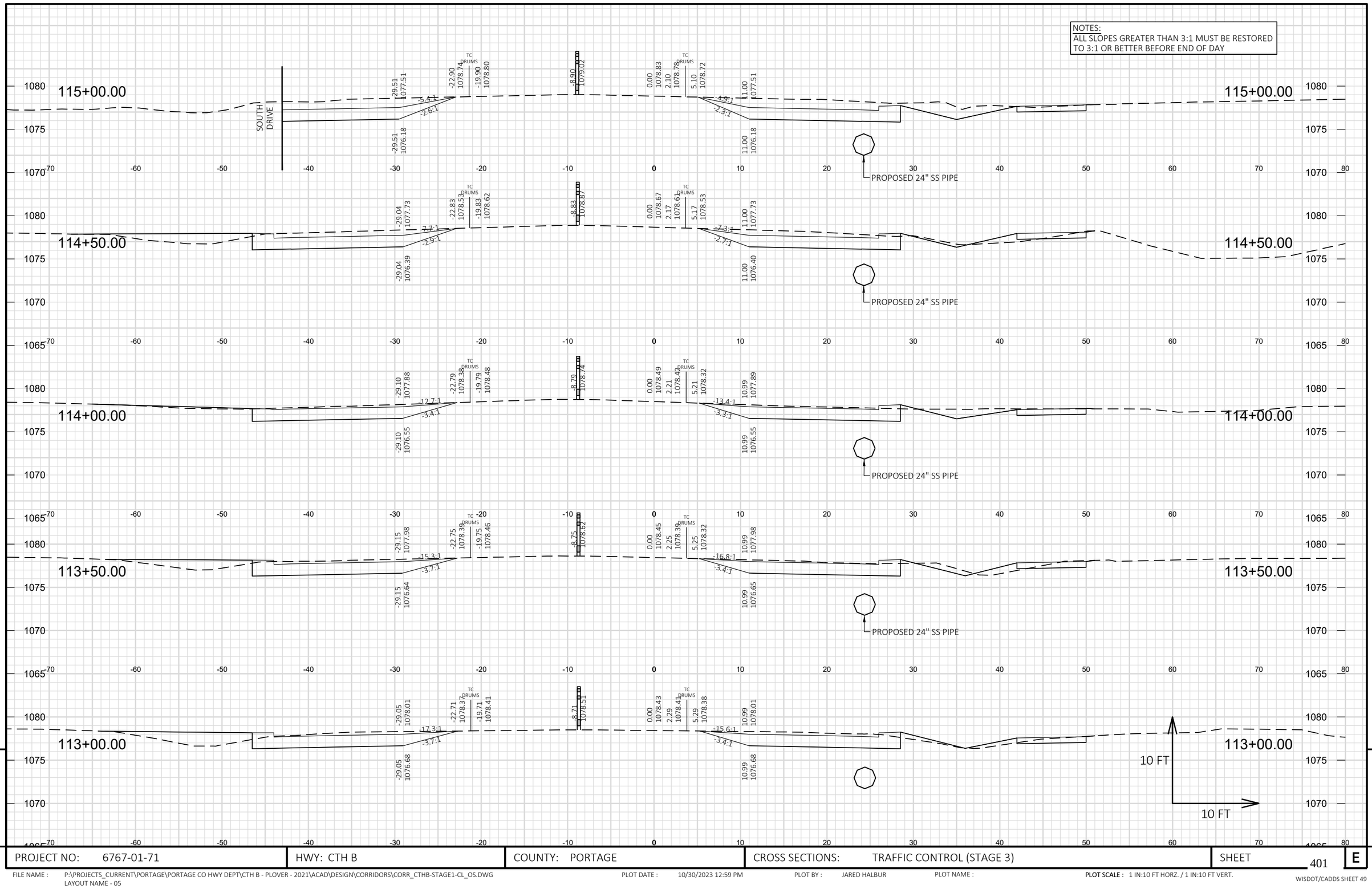
PROJECT NO: 6767-01-71	HWY: CTH B	COUNTY: PORTAGE	CROSS SECTIONS: TRAFFIC CONTROL (STAGE 3)	SHEET 400 E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\DESIGN\CORRIDORS\CORR_CTHB-STAGE1-CL_OS.DWG
LAYOUT NAME - 04

PLOT DATE : 10/30/2023 12:59 PM PLOT BY : JARED HALBUR PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

NOTES:
ALL SLOPES GREATER THAN 3:1 MUST BE RESTORED TO 3:1 OR BETTER BEFORE END OF DAY



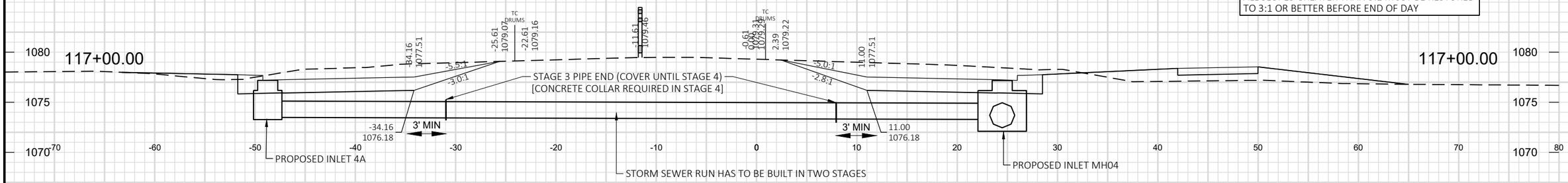
PROJECT NO: 6767-01-71	HWY: CTH B	COUNTY: PORTAGE	CROSS SECTIONS: TRAFFIC CONTROL (STAGE 3)	SHEET 401 E

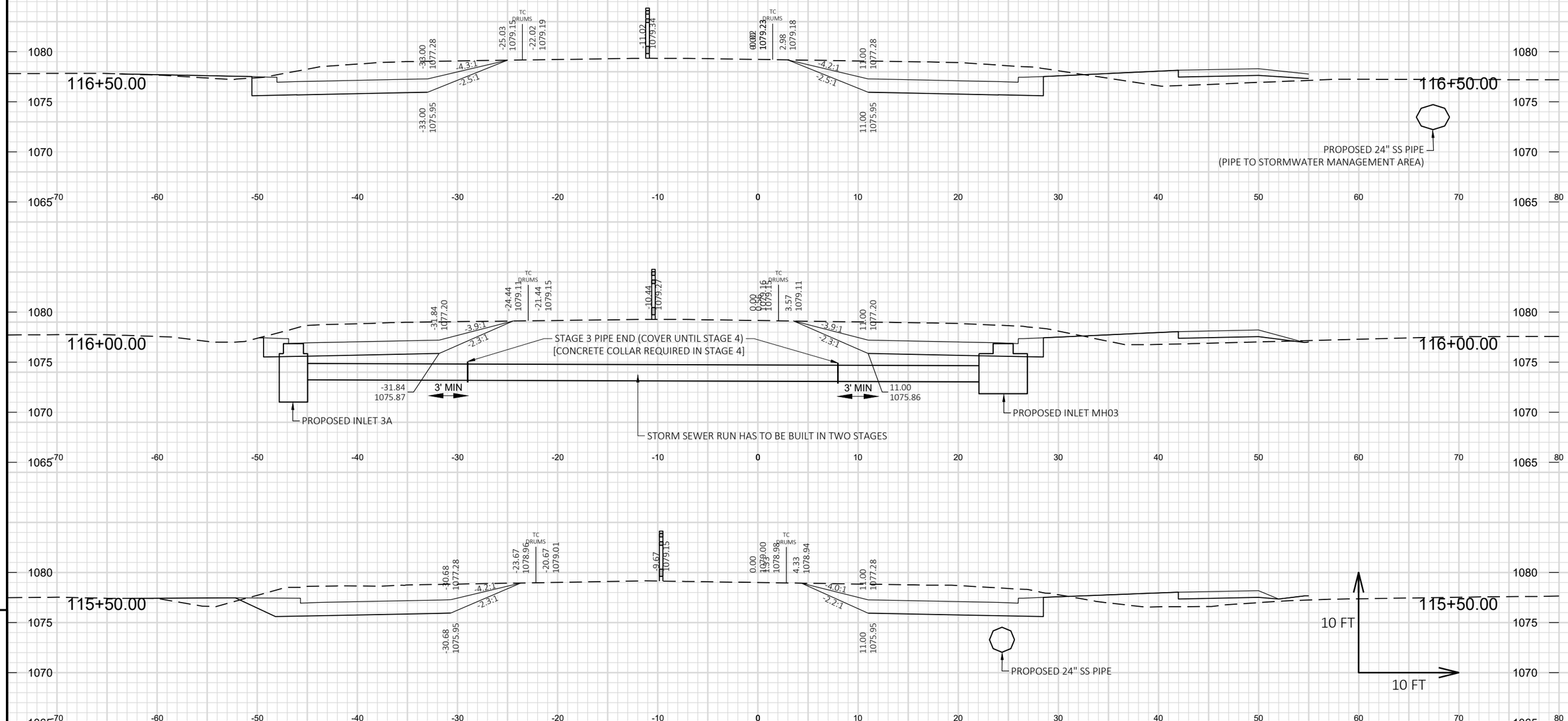
FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\DESIGN\CORRIDORS\CORR_CTHB-STAGE1-CL_OS.DWG
LAYOUT NAME - 05

PLOT DATE : 10/30/2023 12:59 PM PLOT BY : JARED HALBUR PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

NOTES:
ALL SLOPES GREATER THAN 3:1 MUST BE RESTORED TO 3:1 OR BETTER BEFORE END OF DAY





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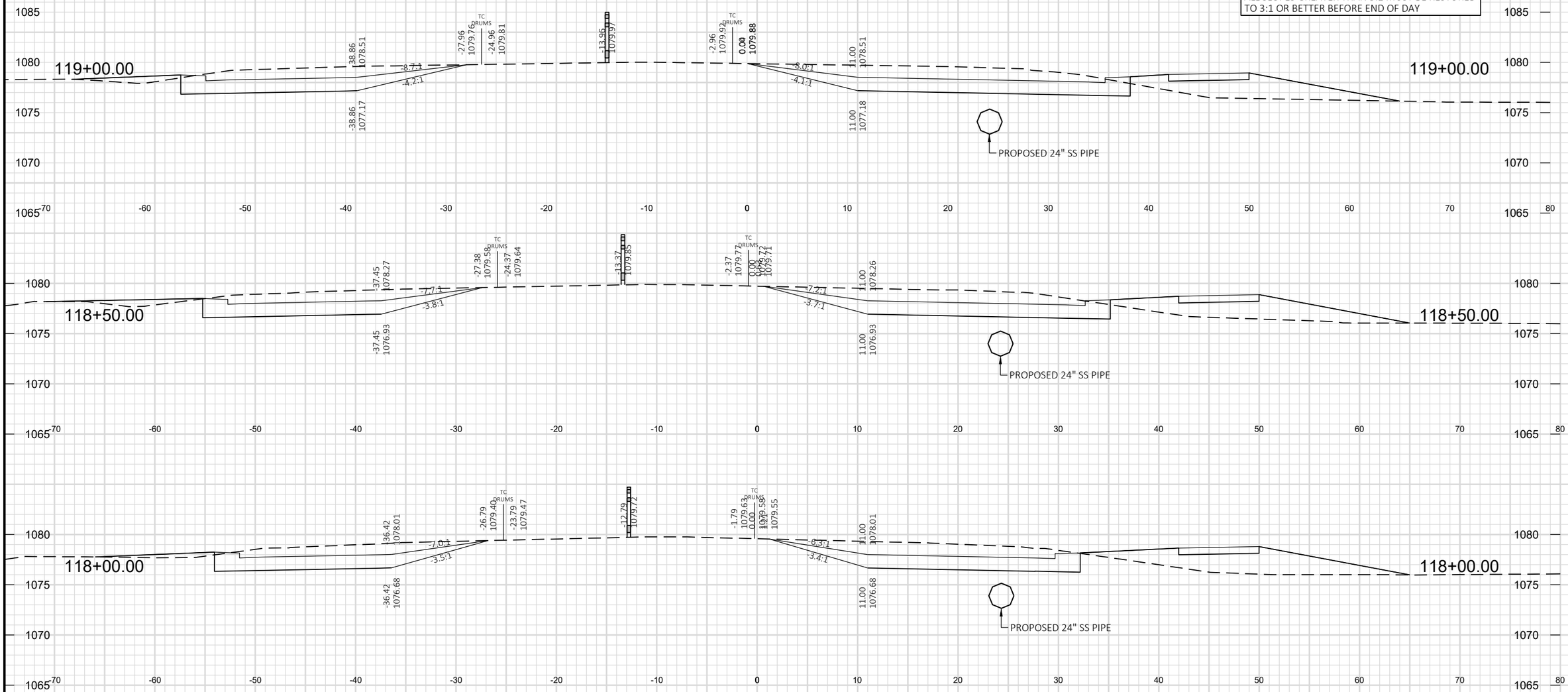
PROJECT NO: 6767-01-71	HWY: CTH B	COUNTY: PORTAGE	CROSS SECTIONS: TRAFFIC CONTROL (STAGE 3)	SHEET 402	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\DESIGN\CORRIDORS\CORR_CTHB-STAGE1-CL_OS.DWG
LAYOUT NAME - 06

PLOT DATE : 10/30/2023 12:59 PM PLOT BY : JARED HALBUR PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

NOTES:
ALL SLOPES GREATER THAN 3:1 MUST BE RESTORED TO 3:1 OR BETTER BEFORE END OF DAY



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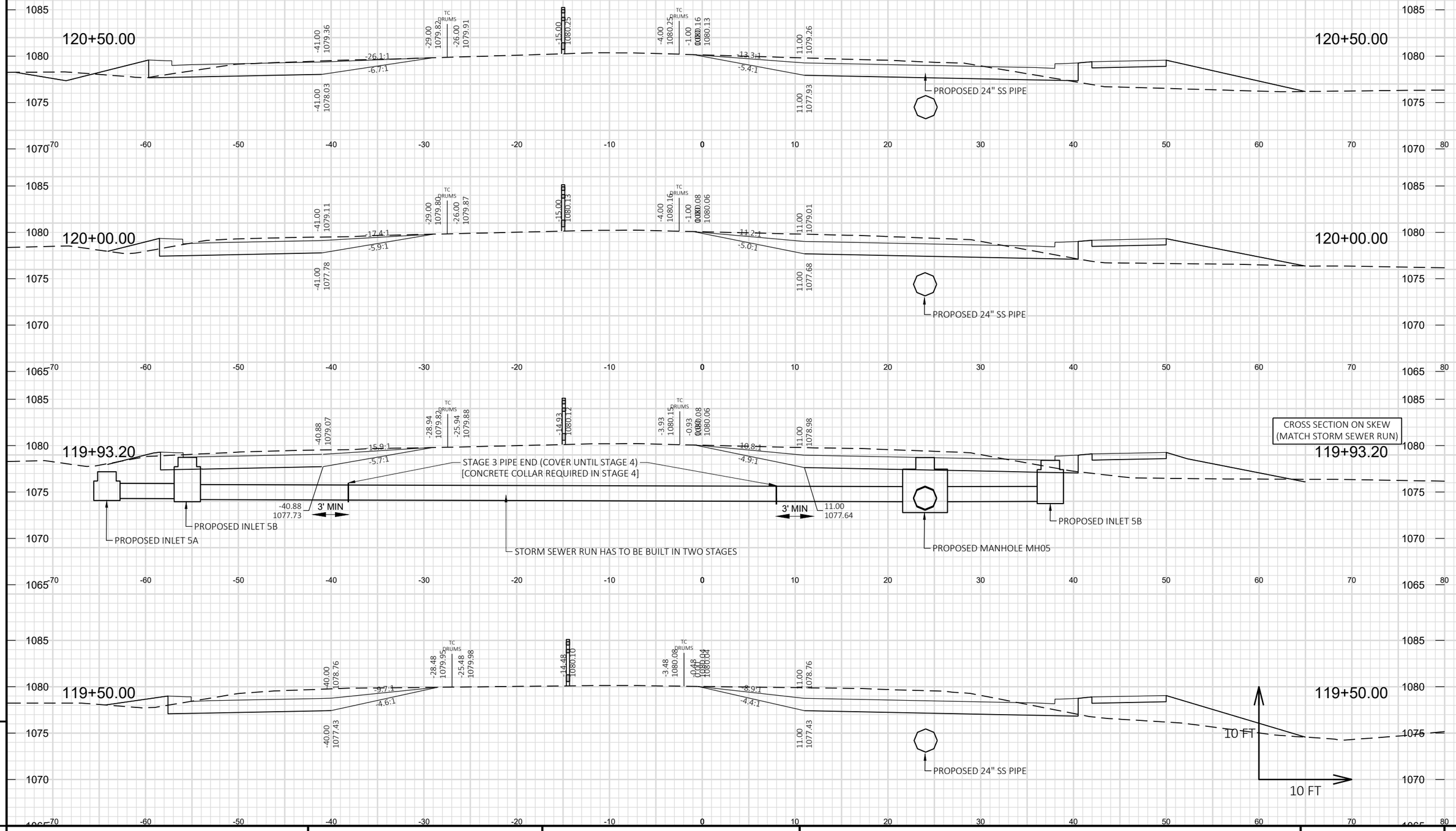
PROJECT NO: 6767-01-71	HWY: CTH B	COUNTY: PORTAGE	CROSS SECTIONS: TRAFFIC CONTROL (STAGE 3)	SHEET 403	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\DESIGN\CORRIDORS\CORR_CTHB-STAGE1-CL_OS.DWG
LAYOUT NAME - 07

PLOT DATE : 10/30/2023 12:59 PM PLOT BY : JARED HALBUR PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

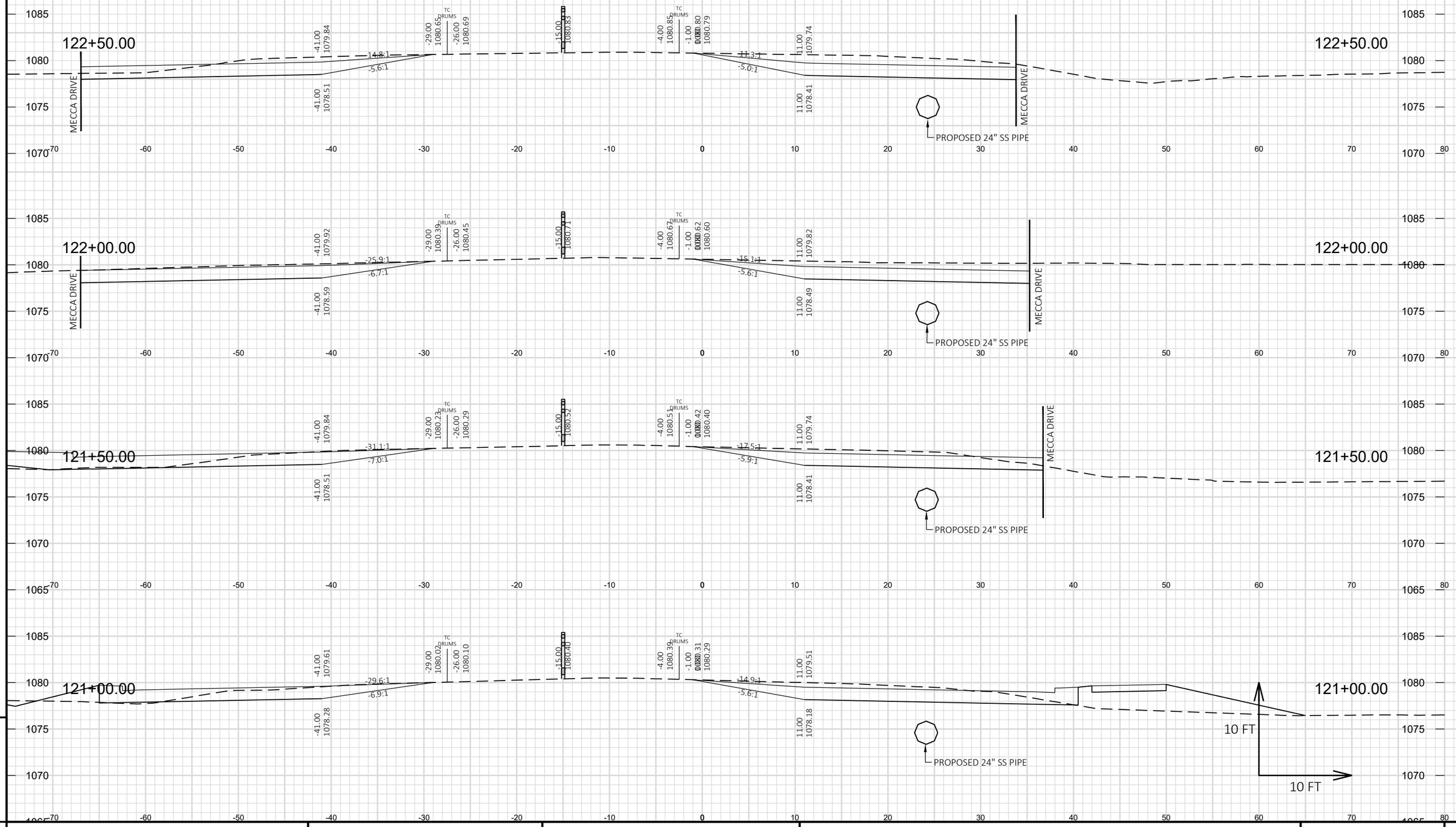
NOTES:
ALL SLOPES GREATER THAN 3:1 MUST BE RESTORED TO 3:1 OR BETTER BEFORE END OF DAY



PROJECT NO: 6767-01-71	HWY: CTH B	COUNTY: PORTAGE	CROSS SECTIONS: TRAFFIC CONTROL (STAGE 3)	SHEET 404 E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\DESIGN\CORRIDORS\CORR_CTHB-STAGE1-CL_OS.DWG
LAYOUT NAME - 08
PLOT DATE : 10/30/2023 12:59 PM PLOT BY : JARED HALBUR PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

NOTES:
ALL SLOPES GREATER THAN 3:1 MUST BE RESTORED TO 3:1 OR BETTER BEFORE END OF DAY



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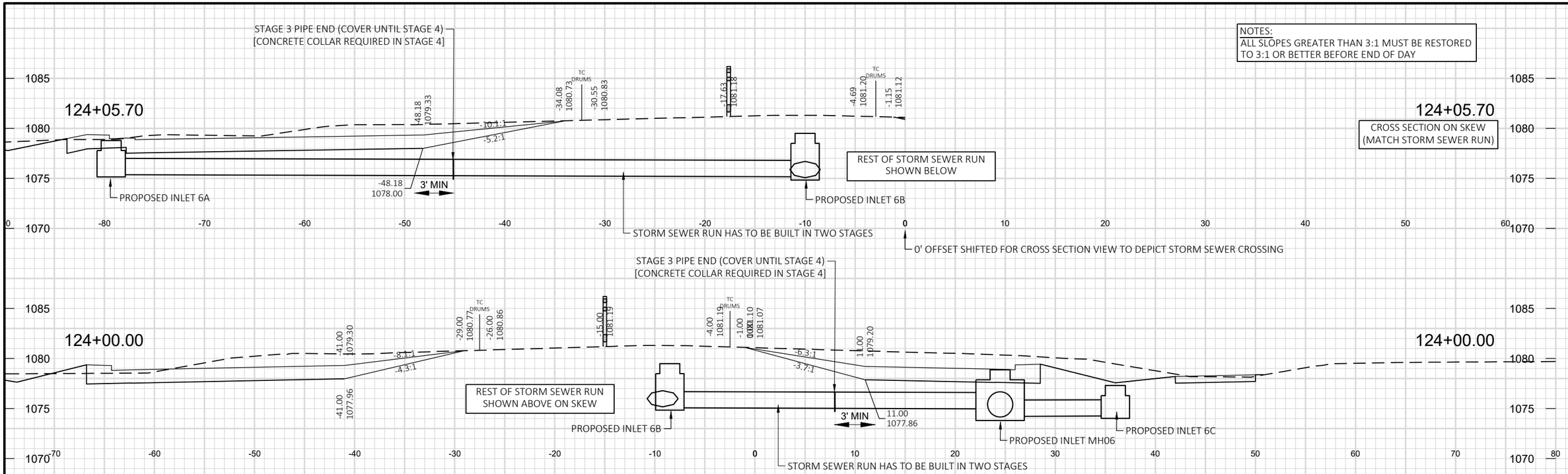
PROJECT NO: 6767-01-71	HWY: CTH B	COUNTY: PORTAGE	CROSS SECTIONS: TRAFFIC CONTROL (STAGE 3)	SHEET 405	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\DESIGN\CORRIDORS\CORR_CTHB-STAGE1-CL_OS.DWG
LAYOUT NAME - 09

PLOT DATE : 10/30/2023 12:59 PM PLOT BY : JARED HALBUR PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

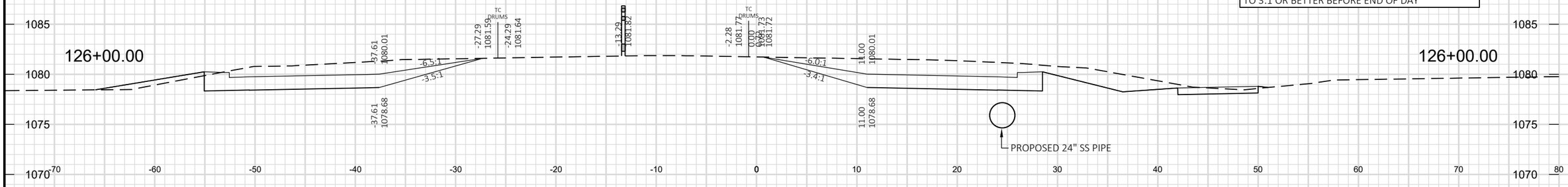
NOTES:
ALL SLOPES GREATER THAN 3:1 MUST BE RESTORED TO 3:1 OR BETTER BEFORE END OF DAY

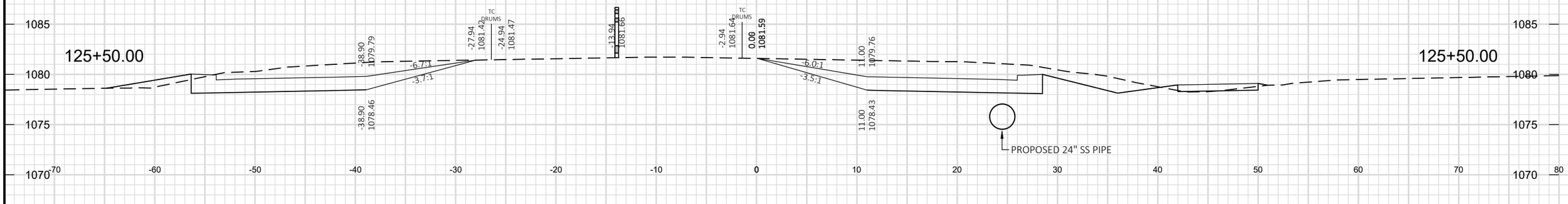


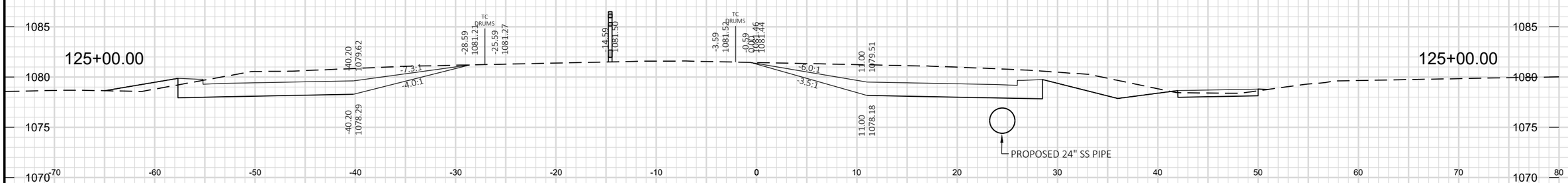
PROJECT NO: 6767-01-71	HWY: CTH B	COUNTY: PORTAGE	CROSS SECTIONS: TRAFFIC CONTROL (STAGE 3)	SHEET 406 E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\DESIGN\CORRIDORS\CORR_CTHB-STAGE1-CL_OS.DWG
LAYOUT NAME - 10
PLOT DATE : 10/30/2023 12:59 PM PLOT BY : JARED HALBUR PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

NOTES:
ALL SLOPES GREATER THAN 3:1 MUST BE RESTORED TO 3:1 OR BETTER BEFORE END OF DAY







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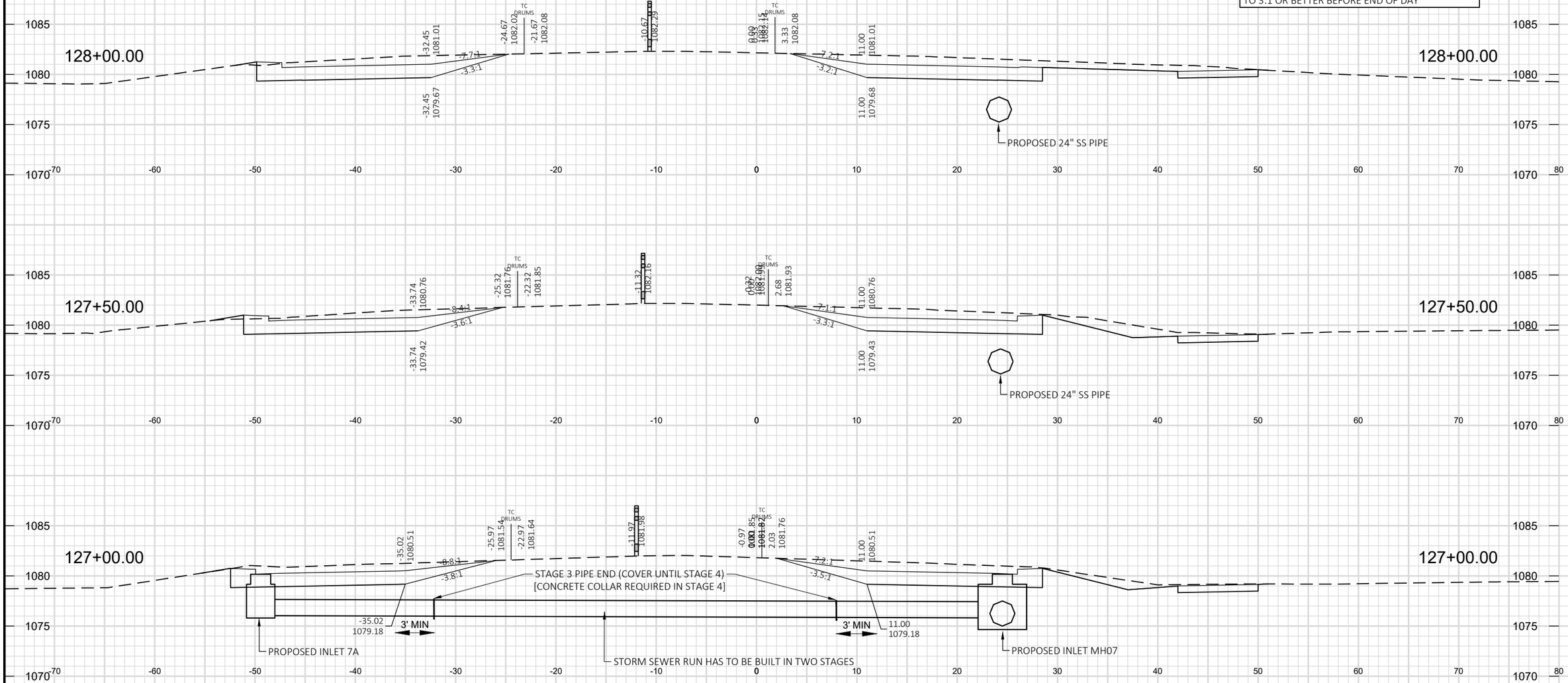
PROJECT NO: 6767-01-71	HWY: CTH B	COUNTY: PORTAGE	CROSS SECTIONS: TRAFFIC CONTROL (STAGE 3)	SHEET 407	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\DESIGN\CORRIDORS\CORR_CTHB-STAGE1-CL_OS.DWG
LAYOUT NAME - 11

PLOT DATE : 10/30/2023 12:59 PM PLOT BY : JARED HALBUR PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

NOTES:
ALL SLOPES GREATER THAN 3:1 MUST BE RESTORED TO 3:1 OR BETTER BEFORE END OF DAY



PROJECT NO: 6767-01-71	HWY: CTH B	COUNTY: PORTAGE	CROSS SECTIONS: TRAFFIC CONTROL (STAGE 3)	SHEET 408 E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\DESIGN\CORRIDORS\CORR_CTHB-STAGE1-CL_OS.DWG
LAYOUT NAME - 12

PLOT DATE : 10/30/2023 1:00 PM PLOT BY : JARED HALBUR PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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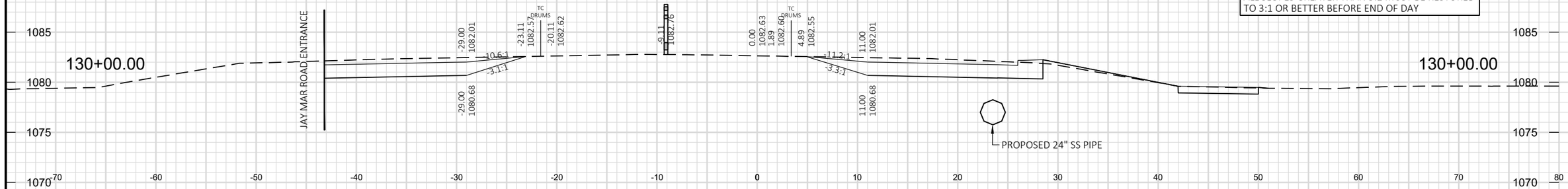
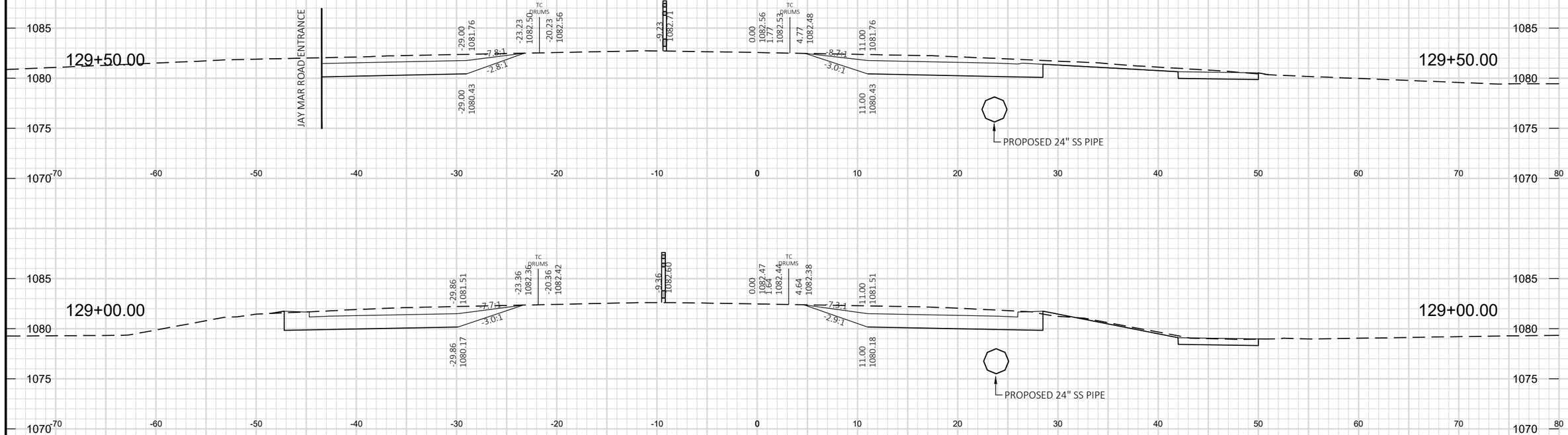
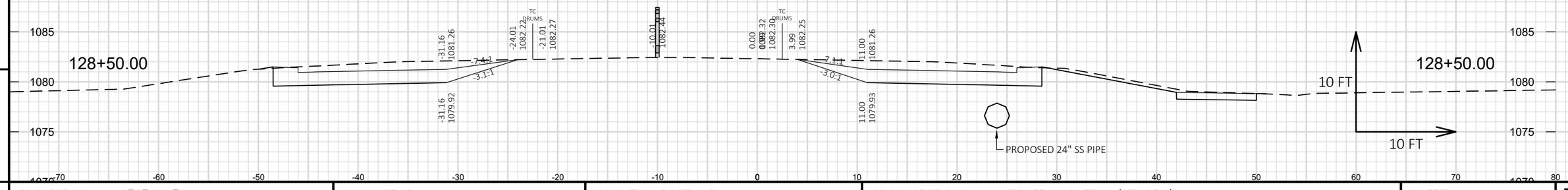
NOTES:
ALL SLOPES GREATER THAN 3:1 MUST BE RESTORED TO 3:1 OR BETTER BEFORE END OF DAY







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PROJECT NO: 6767-01-71	HWY: CTH B	COUNTY: PORTAGE	CROSS SECTIONS: TRAFFIC CONTROL (STAGE 3)	SHEET 409	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\DESIGN\CORRIDORS\CORR_CTHB-STAGE1-CL_OS.DWG
LAYOUT NAME - 13

PLOT DATE : 10/30/2023 1:00 PM PLOT BY : JARED HALBUR PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

NOTES:
ALL SLOPES GREATER THAN 3:1 MUST BE RESTORED TO 3:1 OR BETTER BEFORE END OF DAY

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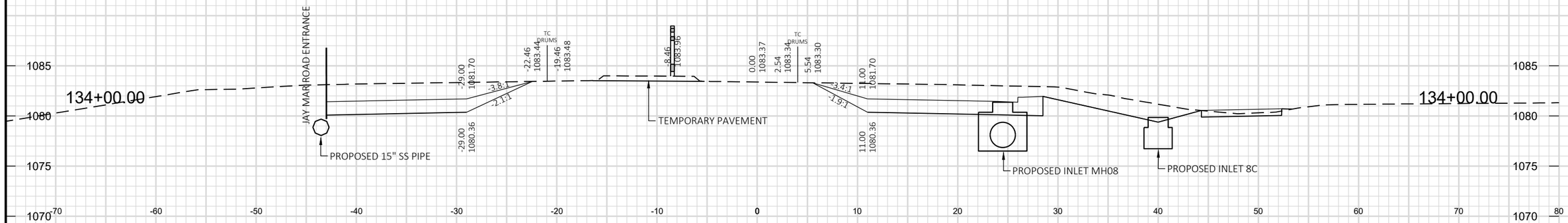
PROJECT NO: 6767-01-71	HWY: CTH B	COUNTY: PORTAGE	CROSS SECTIONS: TRAFFIC CONTROL (STAGE 3)	SHEET 410	E

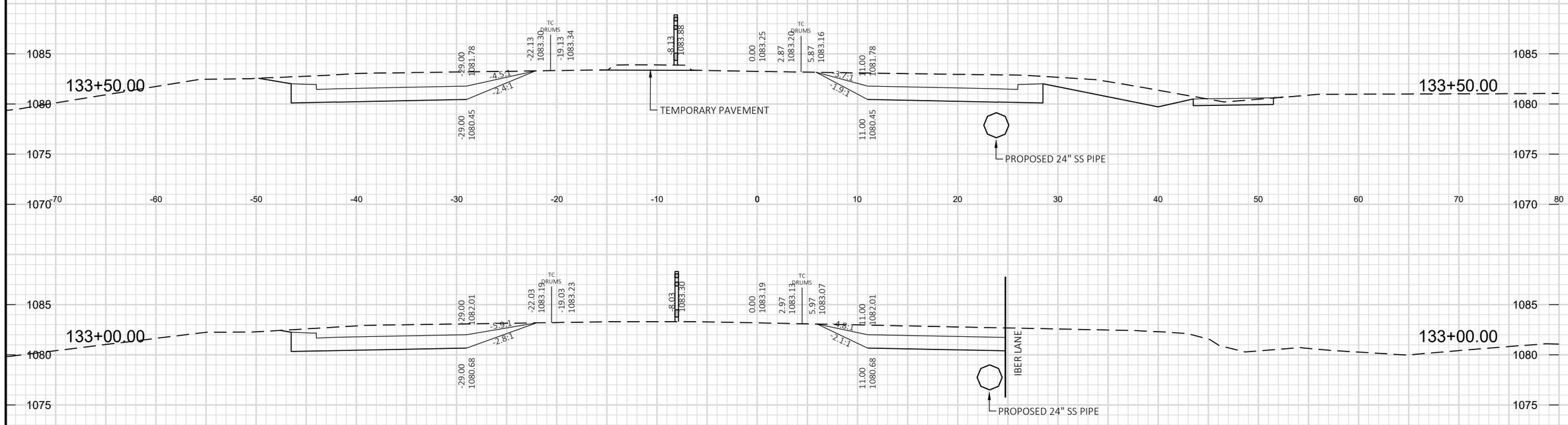
FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\DESIGN\CORRIDORS\CORR_CTHB-STAGE1-CL_OS.DWG
LAYOUT NAME - 14

PLOT DATE : 10/30/2023 1:00 PM PLOT BY : JARED HALBUR PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

NOTES:
ALL SLOPES GREATER THAN 3:1 MUST BE RESTORED TO 3:1 OR BETTER BEFORE END OF DAY

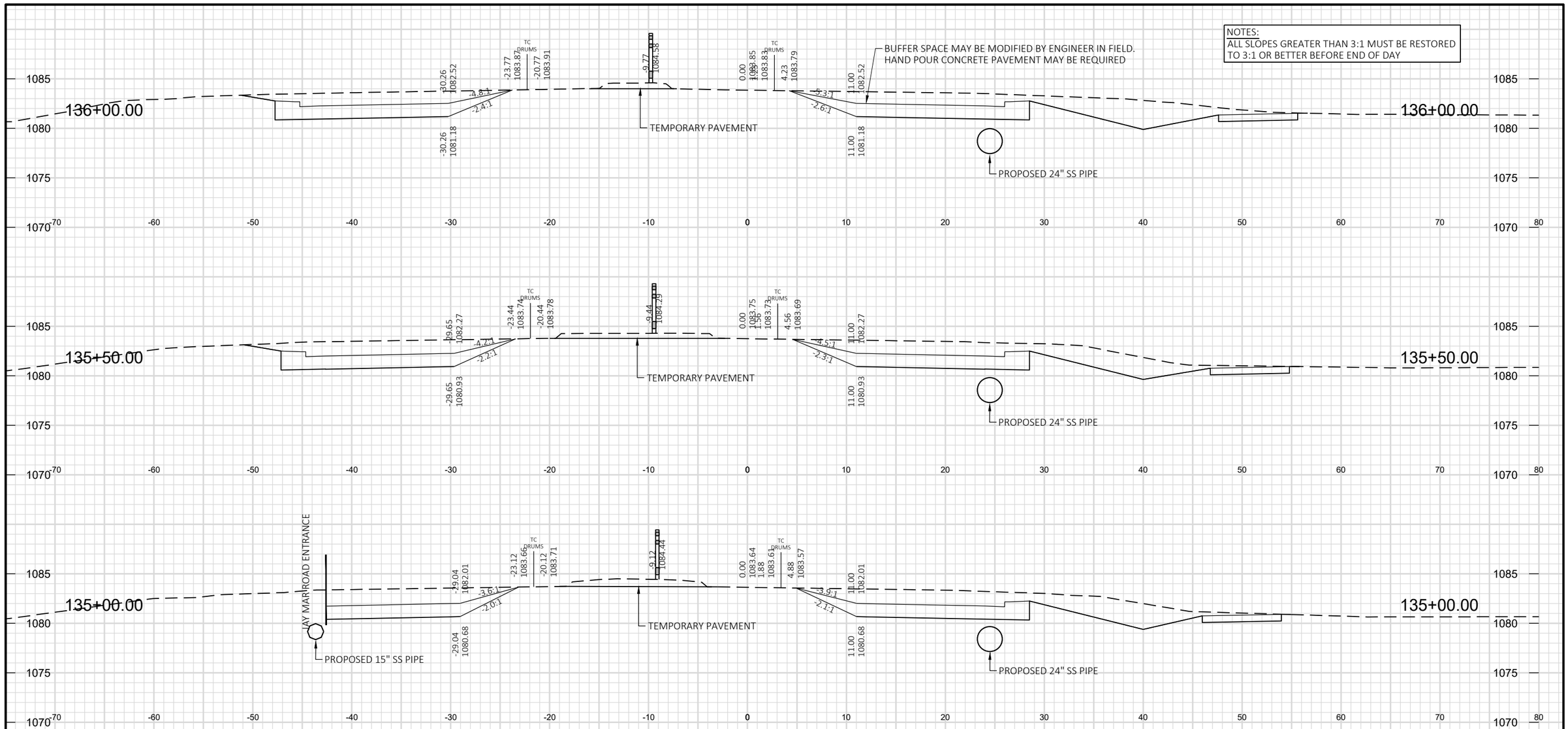




PROJECT NO: 6767-01-71	HWY: CTH B	COUNTY: PORTAGE	CROSS SECTIONS: TRAFFIC CONTROL (STAGE 3)	SHEET 411 E

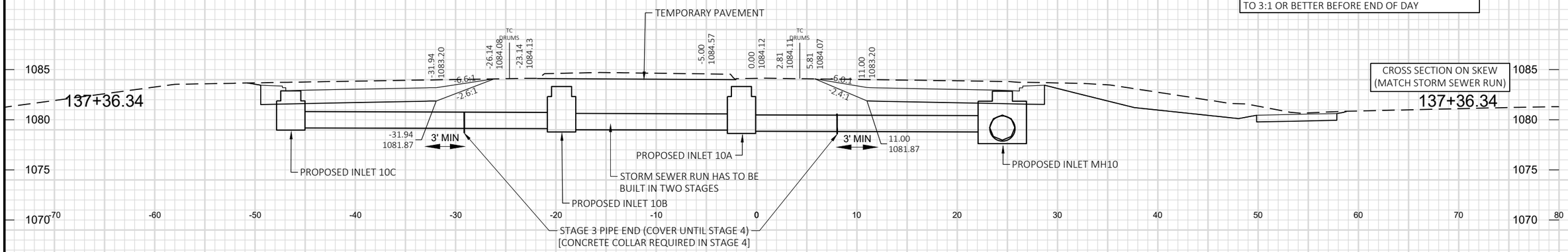
FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\DESIGN\CORRIDORS\CORR_CTHB-STAGE1-CL_OS.DWG
LAYOUT NAME - 15
PLOT DATE : 10/30/2023 1:00 PM PLOT BY : JARED HALBUR PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

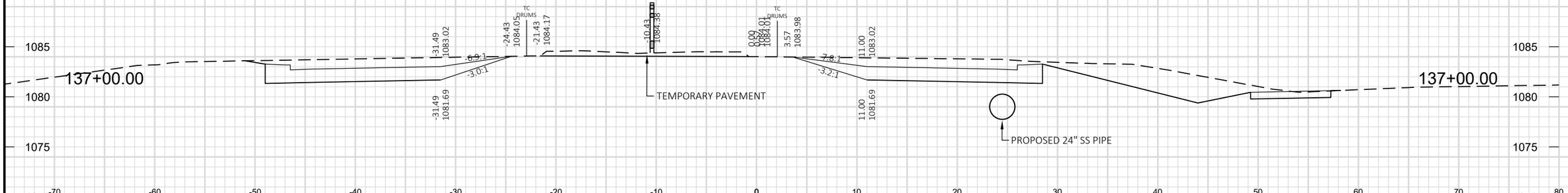
NOTES:
ALL SLOPES GREATER THAN 3:1 MUST BE RESTORED TO 3:1 OR BETTER BEFORE END OF DAY

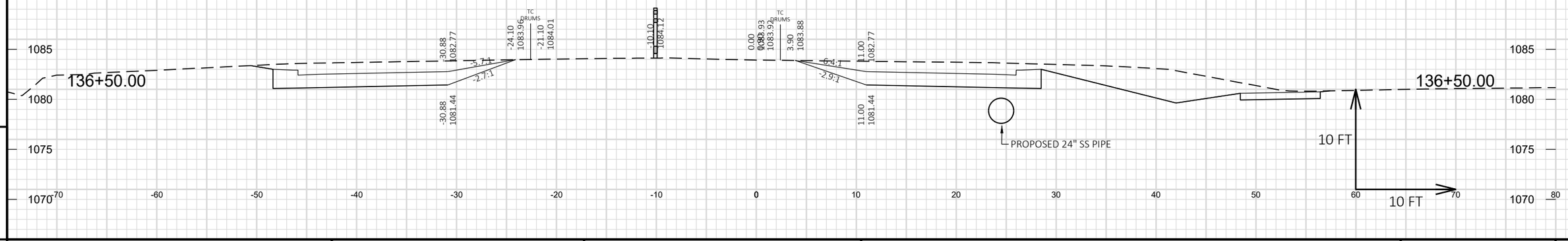


PROJECT NO: 6767-01-71	HWY: CTH B	COUNTY: PORTAGE	CROSS SECTIONS: TRAFFIC CONTROL (STAGE 3)	SHEET 412 E

NOTES:
ALL SLOPES GREATER THAN 3:1 MUST BE RESTORED TO 3:1 OR BETTER BEFORE END OF DAY







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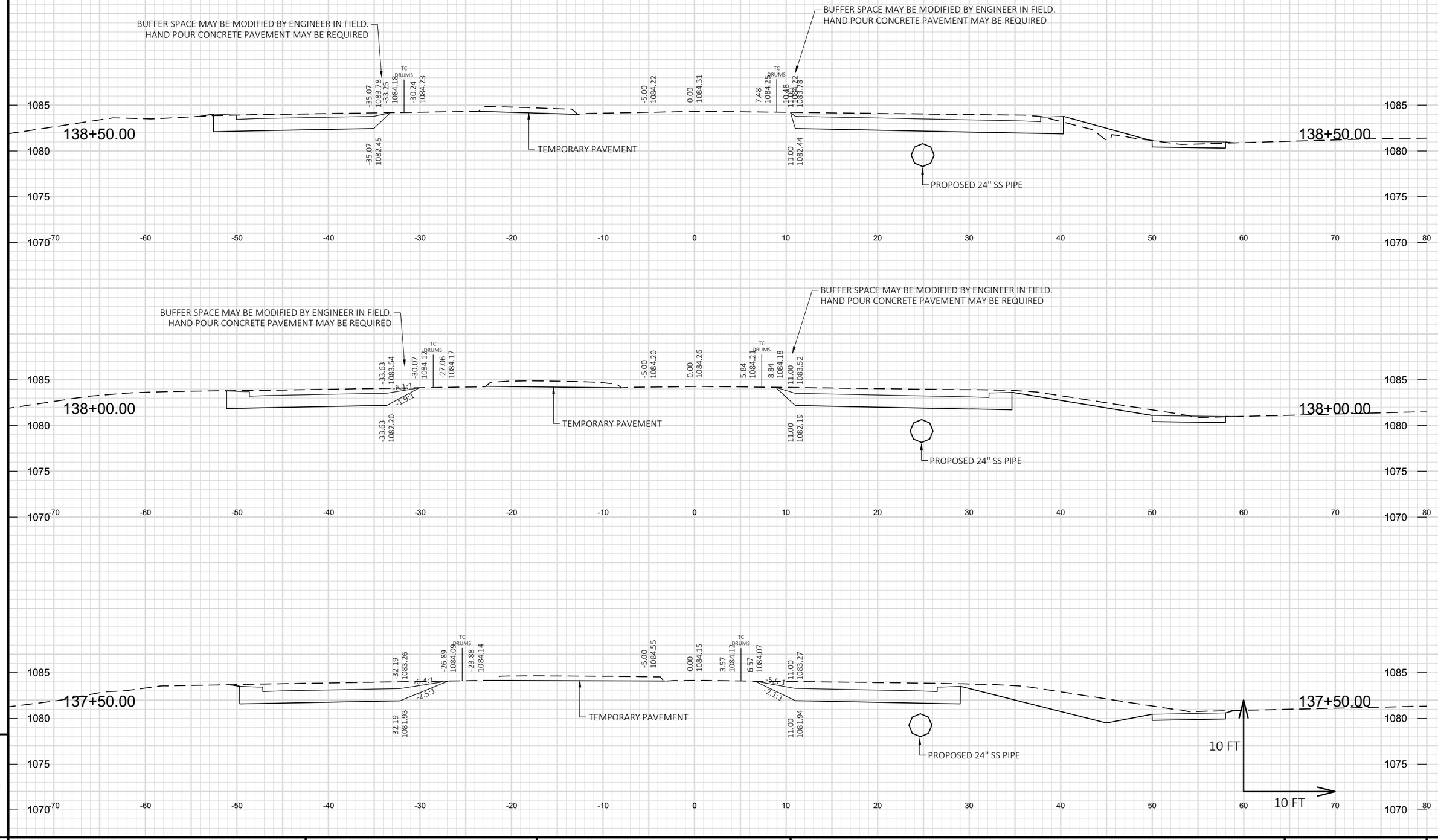
PROJECT NO: 6767-01-71	HWY: CTH B	COUNTY: PORTAGE	CROSS SECTIONS: TRAFFIC CONTROL (STAGE 3)	SHEET 413	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\DESIGN\CORRIDORS\CORR_CTHB-STAGE1-CL_OS.DWG
LAYOUT NAME - 17

PLOT DATE : 10/30/2023 1:00 PM PLOT BY : JARED HALBUR PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

NOTES:
ALL SLOPES GREATER THAN 3:1 MUST BE RESTORED TO 3:1 OR BETTER BEFORE END OF DAY



PROJECT NO: 6767-01-71	HWY: CTH B	COUNTY: PORTAGE	CROSS SECTIONS: TRAFFIC CONTROL (STAGE 3)	SHEET 414	E

FILE NAME : P:\PROJECTS_CURRENT\PORTAGE\PORTAGE CO HWY DEPT\CTH B - PLOVER - 2021\ACAD\DESIGN\CORRIDORS\CORR_CTHB-STAGE1-CL_OS.DWG
LAYOUT NAME - 18
PLOT DATE : 10/30/2023 1:00 PM PLOT BY : JARED HALBUR PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

Notes

Wisconsin Department of Transportation

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through innovation and exceptional service.

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