WIS

MARCH 2022

PROJECT ID: 6370-01-73 & 6370-01-75/76

WITH: N/A

COUNTY: MARATHON

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 = 298

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
6370-01-73	WISC 2021485	1
6370-01-75	WISC 2021486	1
6370-01-76		

C MOSINEE, 4TH ST AND MAIN ST

PINE ST TO WISCONSIN RIVER BRIDGE

STH 153

MARATHON COUNTY

STATE PROJECT NUMBER
6370-01-73

C MOSINEE, WESTERN AVE AND 4TH ST

RANGELINE ROAD TO PINE STREET

STH 153

MARATHON COUNTY

STATE PROJECT NUMBER
6370-01-75

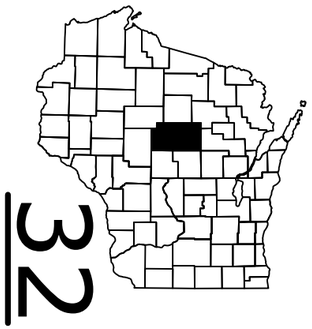
C MOSINEE, WESTERN AND 4TH

RANGELINE ROAD TO PINE STREET - UTILITY IMPROVEMENTS

STH 153

MARATHON COUNTY

STATE PROJECT NUMBER
6370-01-76



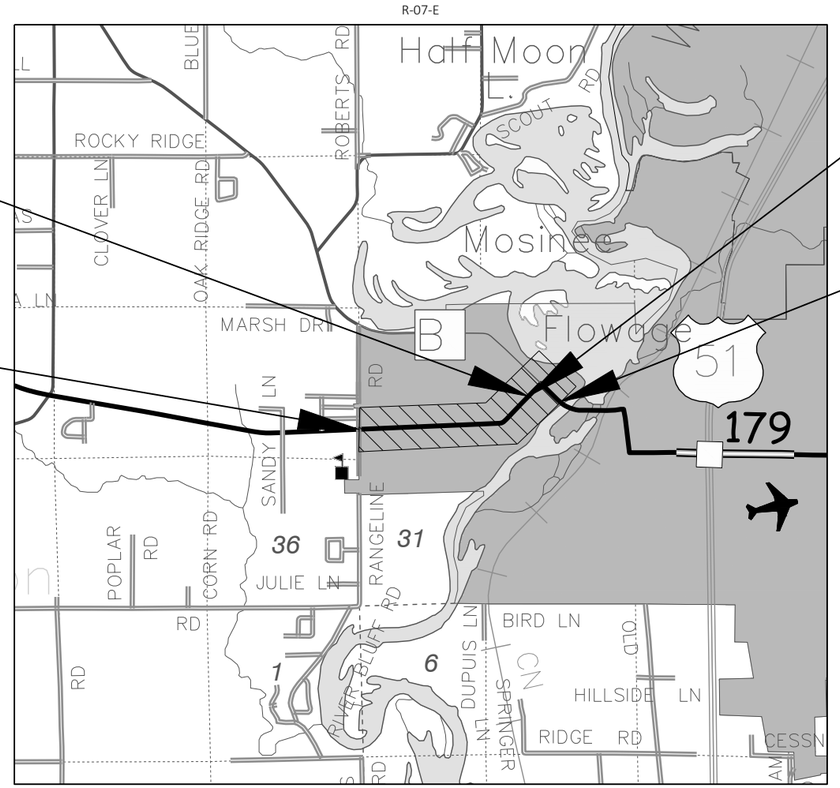
N

DESIGN DESIGNATION

RANGELINE ROAD TO PINE STREET				PINE STREET TO WATER STREET			
A.A.D.T.	2022	=	10,040	A.A.D.T.	2022	=	7,720
A.A.D.T.	2042	=	11,440	A.A.D.T.	2042	=	8,920
D.H.V.		=	1,247	D.H.V.		=	972
D.D.		=	**59/41**	D.D.		=	**59/41**
T.		=	12.6%	T.		=	12.6%
DESIGN SPEED		=	25-35 MPH	DESIGN SPEED		=	25 MPH
ESALS		=	1,934,500	ESALS		=	1,503,800

END PROJECT
6370-01-75/76
STA 136+32.77

BEGIN PROJECT
6370-01-75/76
STA 70+75.03
Y = 139,658.761
X = 255,962.734



BEGIN PROJECT
6370-01-73
STA 136+32.77
Y = 140,909.047
X = 262,086.039

END PROJECT
6370-01-73
STA 149+92.24

LAYOUT

SCALE 0 1 MI

TOTAL NET LENGTH OF CENTERLINE PROJECT 6370-01-73 = 0.257 MI

TOTAL NET LENGTH OF CENTERLINE PROJECT 6370-01-75 = 1.242 MI

TOTAL NET LENGTH OF CENTERLINE PROJECT = 1.499 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), MARATHON 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.

CONVENTIONAL SYMBOLS

PLAN		PROFILE	
CORPORATE LIMITS		GRADE LINE	
PROPERTY LINE		ORIGINAL GROUND	
LOT LINE		MARSH OR ROCK PROFILE (To be noted as such)	ROCK
LIMITED HIGHWAY EASEMENT		SPECIAL DITCH	LABEL
EXISTING RIGHT OF WAY		GRADE ELEVATION	95.36
PROPOSED OR NEW R/W LINE		CULVERT (Profile View)	
SLOPE INTERCEPT		UTILITIES	
REFERENCE LINE	300'EB'	ELECTRIC	E
EXISTING CULVERT		FIBER OPTIC	FO
PROPOSED CULVERT (Box or Pipe)		GAS	G
COMBUSTIBLE FLUIDS	CAUTION	SANITARY SEWER	SAN
		STORM SEWER	SS
MARSH AREA		TELEPHONE	T
		WATER	W
		UTILITY PEDESTAL	
		POWER POLE	
WOODED OR SHRUB AREA		TELEPHONE POLE	

ACCEPTED FOR

CITY OF MOSINEE

Date 4/23/2021

(Signature and Title of Official)

ORIGINAL PLANS PREPARED BY

WISCONSIN
TAMMY S. TUCKER
E-40780
WAUKESHA, WI
PROFESSIONAL ENGINEER

DATE: 4/21/2021

(Professional Engineer Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	CBS SQUARED INC.
Designer	CBS SQUARED INC.
Project Manager	W. ARNESON
Regional Examiner	C. SIMON
Regional Supervisor	M. KRETSCHMER

APPROVED FOR THE DEPARTMENT

DATE: 4/26/2021

(Signature)

E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\010101_TI.DWG

PLOT DATE : 4/21/2021 9:05 AM

PLOT BY : MICHAEL W. BUCCELLI

PLOT NAME :

GENERAL NOTES

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

ALL DISTURBED AREAS WITHIN THE RIGHT OF WAY THAT ARE NOT INCIDENTAL TO CONTRACT WORK ITEMS SHALL BE FERTILIZED SEEDED AND MULCHED AT THE CONTRACTORS EXPENSE.

UNLESS NOTED ON THE PLAN, ALL RADII ARE MEASURED TO THE FLANGE LINE.

CURB AND GUTTER GRADES ARE GIVEN TO THE FLANGE LINE.

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

ADDRESS NUMBER SIGNS WILL BE RELOCATED BY LOCAL MUNICIPALITIES. CONTACT MUNICIPALITY TWO WEEKS PRIOR TO BEGINNING WORK WHICH MAY DISTURB ADDRESS NUMBER SIGNS.

CONTRACTOR TO SALVAGE AND REINSTALL EXISTING CONCRETE ADDRESS MARKER AT THE NW QUADRANT OF MAIN AND 4TH STREET. SEE CONSTRUCTION DETAIL FOR MORE INFORMATION.

UTILITY CONTACTS

COMMUNICATION LINE

SCOTT OLSON
CHARTER COMMUNICATIONS - COMMUNICATION LINE
853 MCINTOSH ST
WAUSAU, WI 54402
(715) 301 - 4079
(715) 216-6204 - MOBILE
SCOTT.OLSON@CHARTER.COM

JEFF OLSON
TDS TELECOM
171 PAOLI ST
VERONA, WI 53594
(608) 845-2219
(608) 444-6208 - MOBILE
JEFFERY.OLSON@TDSTELECOM.COM

ELECTRICITY

CLAYTON VIRCKS
WISCONSIN PUBLIC SERVICE CORPORATION - ELECTRICITY
PO BOX 1166
WAUSAU, WI 54402
(715) 848 - 7317
(715) 573 - 7806 - MOBILE
CLAYTON.VIRCKS@WISCONSINPUBLICSERVICE.COM

GAS/PETROLEUM

SHANE SARKKINEN
WISCONSIN PUBLIC SERVICE CORPORATION - GAS/PETROLEUM
1700 SHERMAN ST
WAUSAU, WI 54401
(715) 848 - 7387
(715) 966 - 1040 - MOBILE
SHANE.SARKKINEN@WISCONSINPUBLICSERVICE.COM

SEWER

KEVIN BREIT
MOSINEE MUNICIPAL WATER AND SEWER UTILITY - SEWER
225 MAIN ST
MOSINEE, WI 54455
(715) 693 - 3840
(715) 573 - 1756 - MOBILE
PUBLICWORKS@MOSINEE.WI.US

WATER

KEVIN BREIT
MOSINEE MUNICIPAL WATER AND SEWER UTILITY - WATER
225 MAIN ST
MOSINEE, WI 54455
(715) 693 - 3840
(715) 573 - 1756 - MOBILE
PUBLICWORKS@MOSINEE.WI.US

NOTE:
WATER REPLACEMENT PLAN DESIGNED BY CITY OF MOSINEE (GREMMER & ASSOCIATES)

ORDER OF DETAIL SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
INTERSECTION DETAILS
CURB RAMP DETAILS
PAVING GRADES
STORM SEWER PLAN
WATER REPLACEMENT PLAN
PERMANENT SIGNING
SIGNAL REMOVAL PLAN
TRAFFIC SIGNAL PLAN
PAVEMENT MARKING
TRAFFIC CONTROL/CONSTRUCTION STAGING
DETOUR ROUTE

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 = 13.1 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 6.0 ACRES

WISCONSIN DNR LIAISON

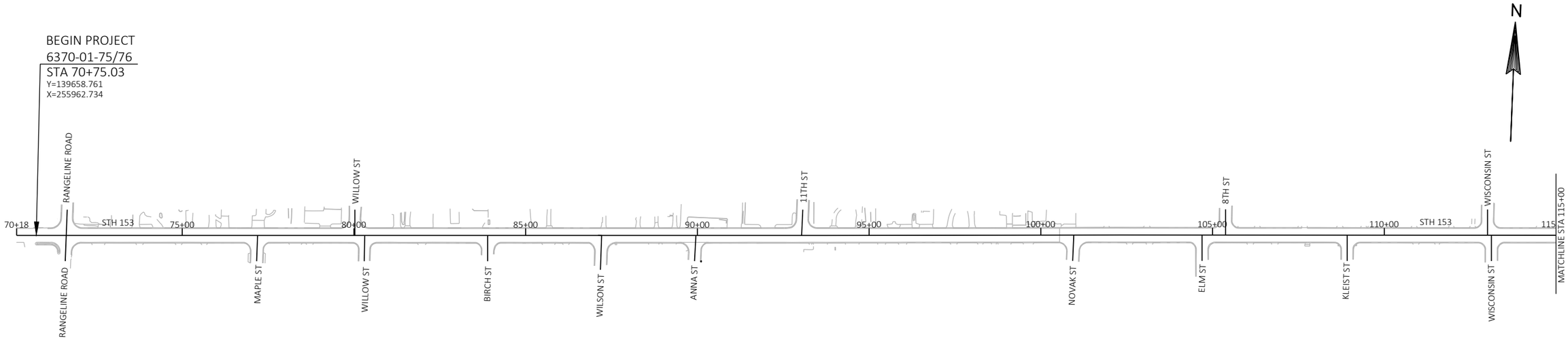
CASEY JONES
DNR WISCONSIN RAPIDS SERVICE CENTER
473 GRIFFITH DRIVE
WISCONSIN RAPIDS, WI 54494
(715) 213-657
CASEY.JONES@WISCONSIN.GOV

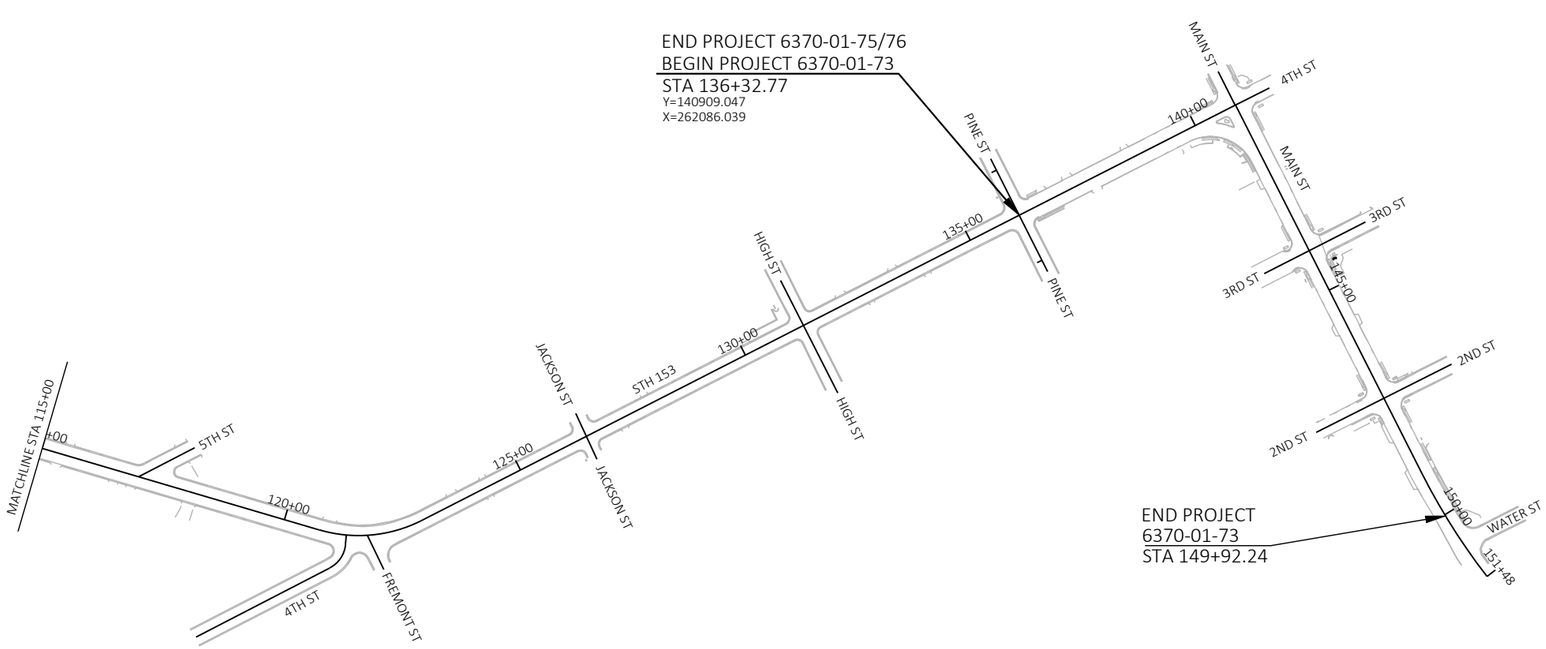
DIGGERS HOTLINE
Dial 811 or (800) 242-8511
www.DiggersHotline.com

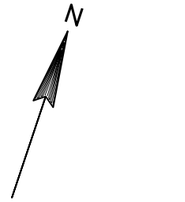
PROJECT NO: 6370-01-75 & 6370-01-73	HWY: STH 153	COUNTY: MARATHON	GENERAL NOTES / UTILITIES	SHEET 2	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\020101_GN.DWG
LAYOUT NAME - 020101_gn
PLOT DATE : 7/6/2021 9:39 AM
PLOT BY : ED OCHS
PLOT NAME :
PLOT SCALE : N/A

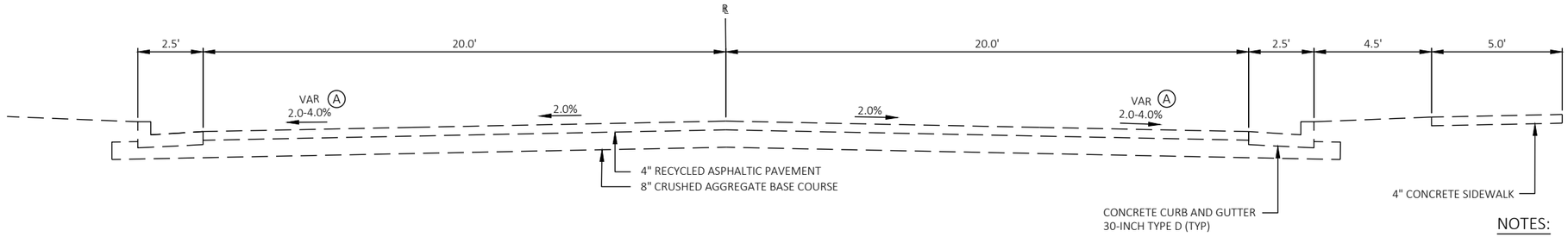
2







PROJECT NO: 6370-01-75 & 6370-01-73	HWY: STH 153	COUNTY: MARATHON	PROJECT OVERVIEW	SHEET 3	E

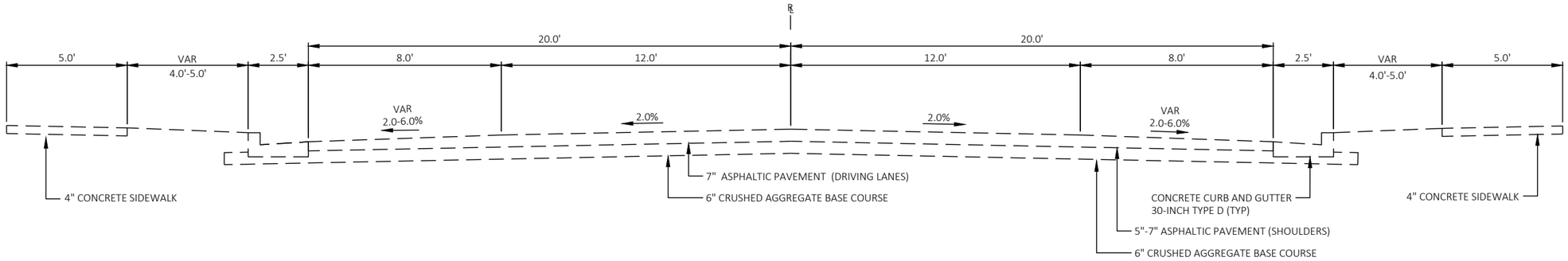


NOTES:

(A) STA 90+25.00 TO 100+54.70, VAR 4-6%.

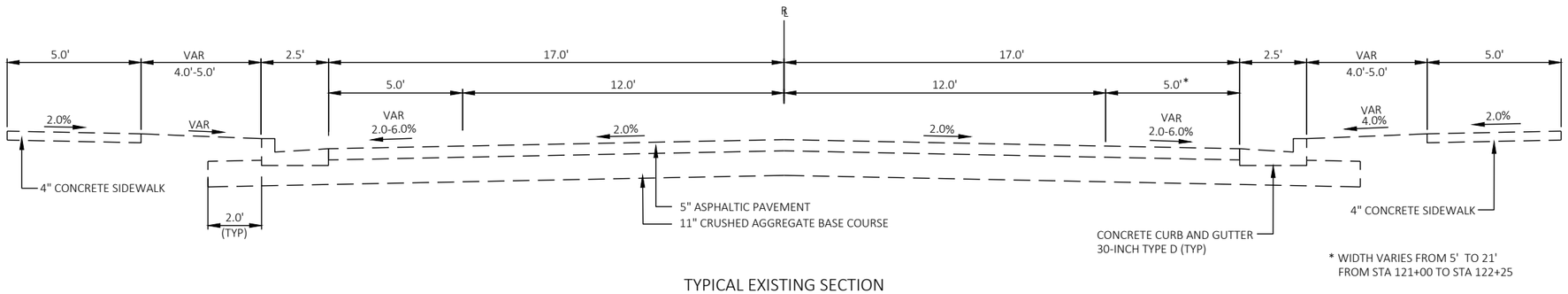
TYPICAL EXISTING SECTION

STA 70+75.03 TO STA 100+54.70



TYPICAL EXISTING SECTION

STA 100+54.70 TO STA 121+00.00



* WIDTH VARIES FROM 5' TO 21'
FROM STA 121+00 TO STA 122+25

TYPICAL EXISTING SECTION

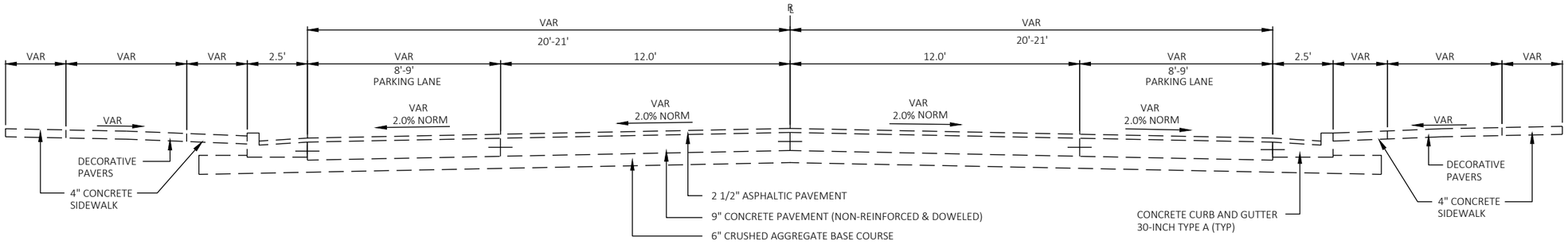
STA 121+00.00 TO STA 136+40.38

PROJECT NO: 6370-01-75 & 6370-01-73	HWY: STH 153	COUNTY: MARATHON	TYPICAL SECTIONS	SHEET 4	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\020301_TS.DWG
LAYOUT NAME - 020301_ts

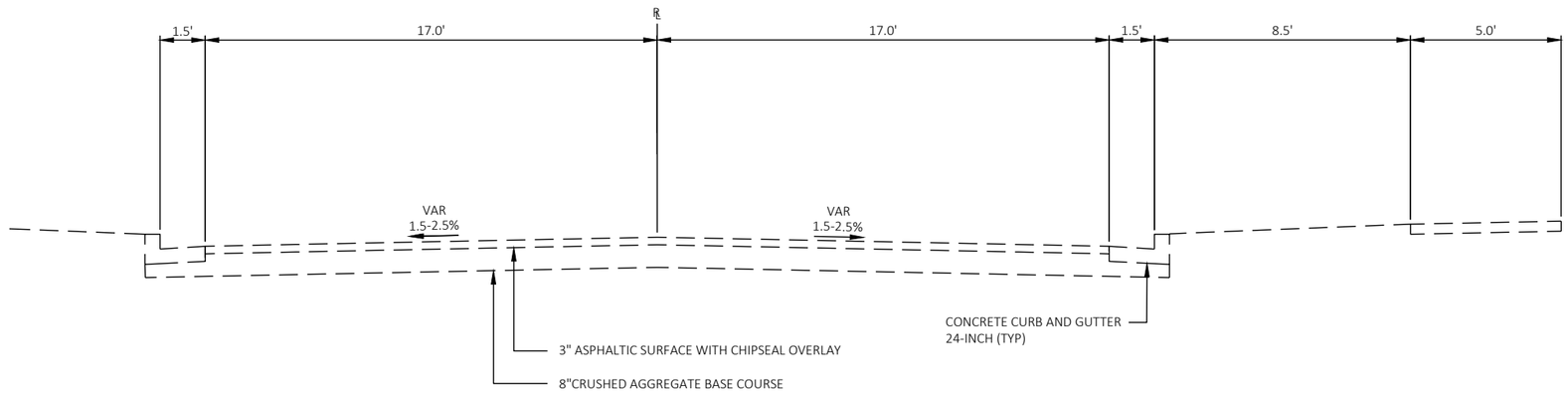
PLOT DATE : 11/24/2021 11:07 AM PLOT BY : CORY IHDE PLOT NAME : PLOT SCALE : 1 IN:20 FT

2



TYPICAL EXISTING SECTION

STA 136+40.38 TO STA 149+92.24



TYPICAL EXISTING SECTION

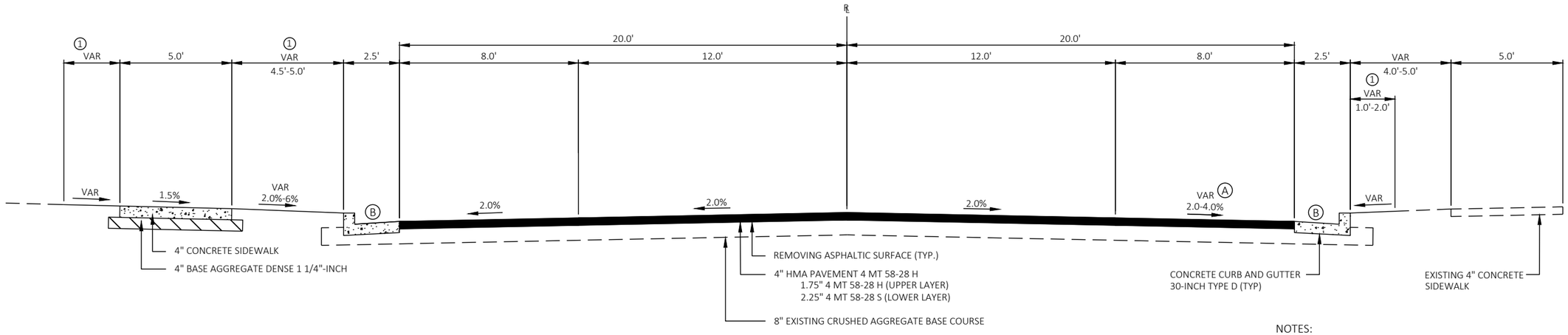
RANGELINE RD

PROJECT NO: 6370-01-73	HWY: STH 153	COUNTY: MARATHON	TYPICAL SECTIONS	SHEET 5	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\020301_TS.DWG
LAYOUT NAME - 020302_ts

PLOT DATE : 11/24/2021 11:07 AM PLOT BY : CORY IHDE PLOT NAME : PLOT SCALE : ##########

2

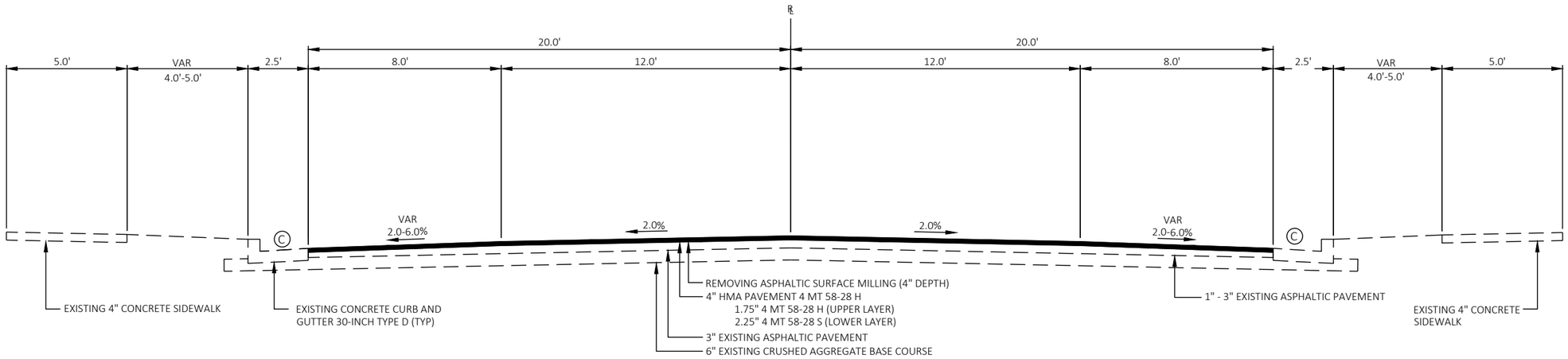


TYPICAL FINISHED SECTION

STA 70+75.03 TO STA 100+54.70

NOTES:

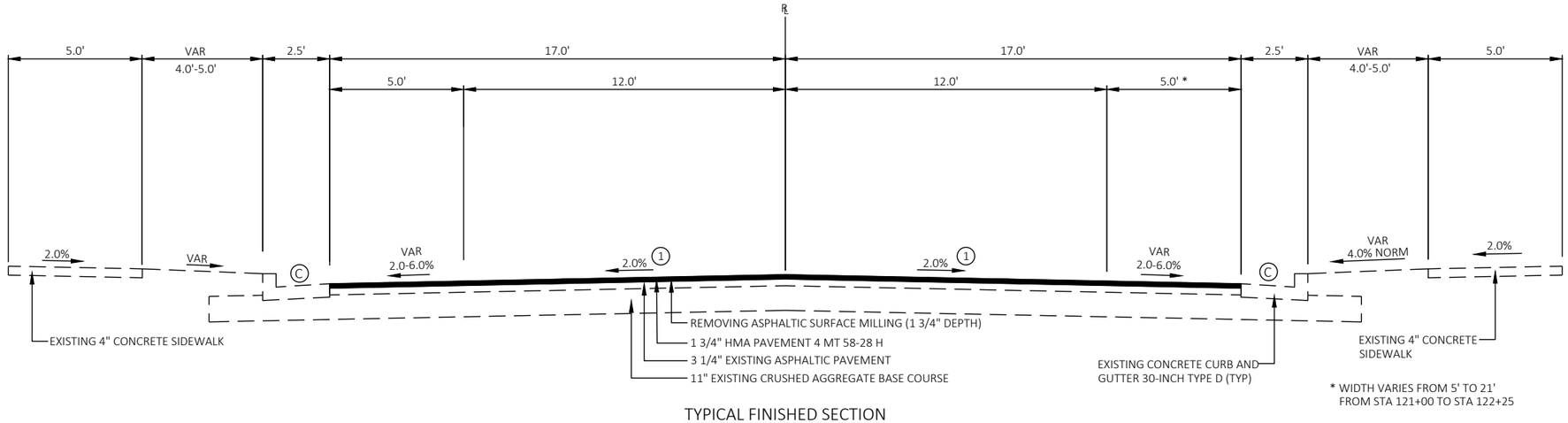
1. TOPSOIL, SEED, FERTILIZER AND EROSION MAT URBAN CLASS I TYPE A (TYP)
2. STA 90+25.00 TO 100+54.70, VAR 4-6%.
3. 4.0% GUTTER PAN
4. GUTTER PAN HAS A 6.25% SLOPE OUTSIDE OF CURB RAMP AREAS. SEE CURB RAMP DETAILS AND PAVING GRADES FOR 4.0% GUTTER PLAN LIMITS.



TYPICAL FINISHED SECTION

STA 100+54.70 TO STA 121+00.00

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	TYPICAL SECTIONS	SHEET 6	E

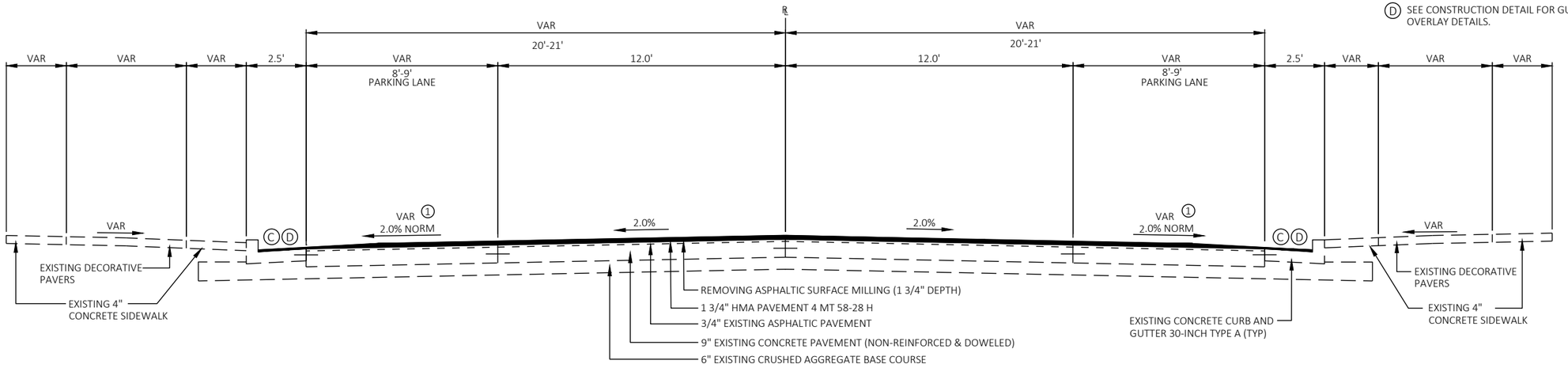


TYPICAL FINISHED SECTION

STA 121+00.00 TO STA 136+40.38

NOTES:

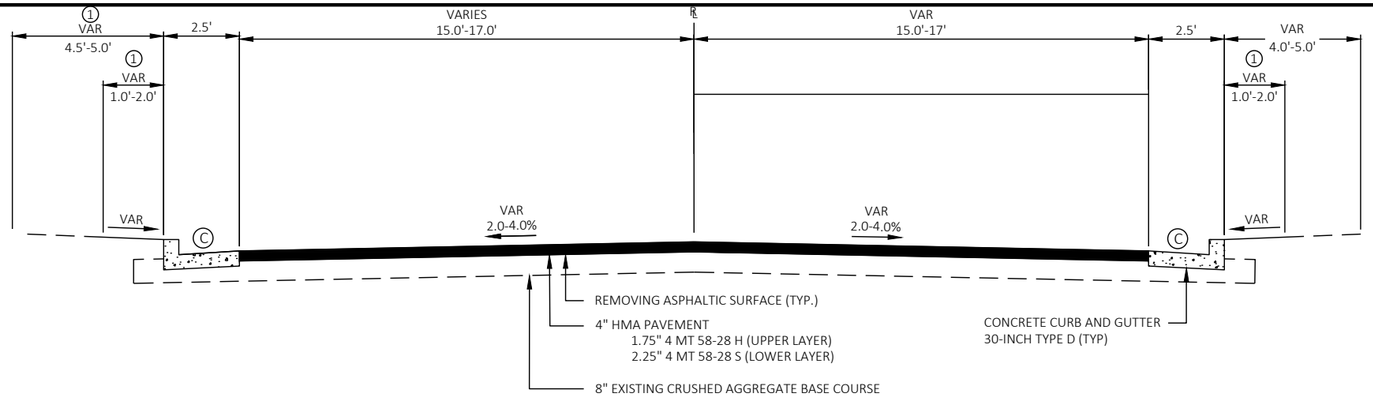
1. MATCH EXISTING CROSS SLOPE
2. GUTTER PAN HAS A 6.25% SLOPE OUTSIDE OF CURB RAMP AREAS. SEE CURB RAMP DETAILS AND PAVING GRADES FOR 4.0% GUTTER PLAN LIMITS.
3. SEE CONSTRUCTION DETAIL FOR GUTTER PLAN OVERLAY DETAILS.



TYPICAL FINISHED SECTION

STA 136+40.38 TO STA 149+92.24

PROJECT NO: 6370-01-75 & 6370-01-73	HWY: STH 153	COUNTY: MARATHON	TYPICAL SECTIONS	SHEET 7	E



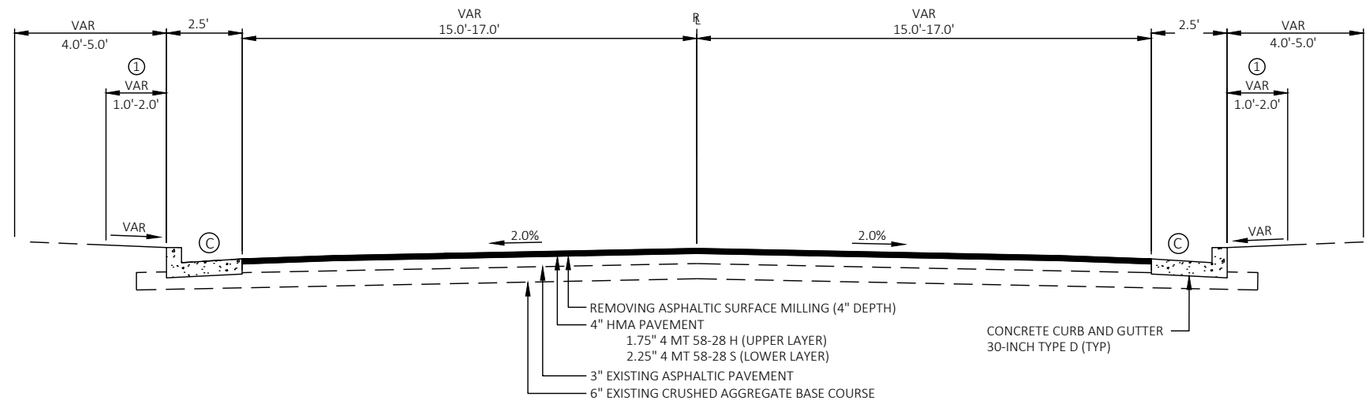
TYPICAL FINISHED SECTION - SIDE ROADS*

RANGELINE RD
MAPLE ST
WILLOW ST
BIRCH ST
WILSON ST
ANNA ST
11TH ST

NOTES:

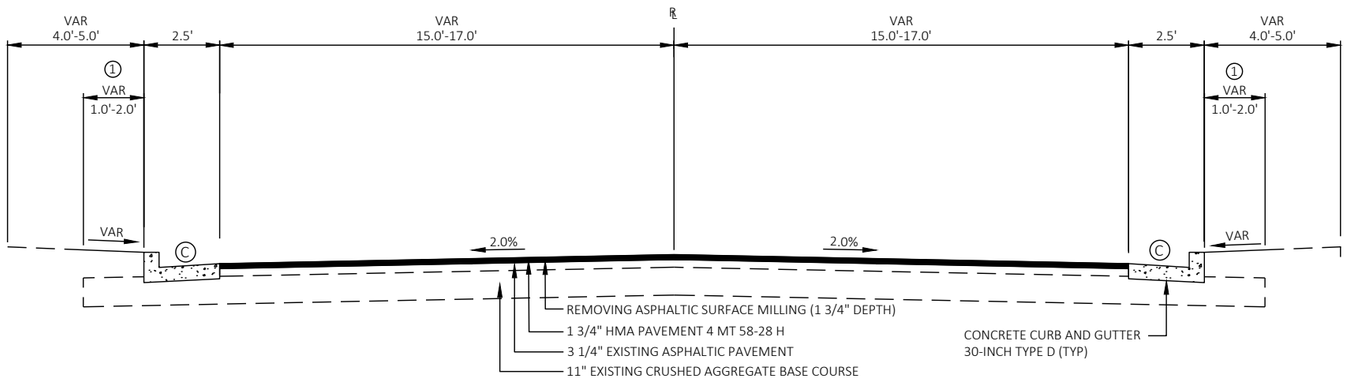
1. TOPSOIL, SEED, FERTILIZER AND EROSION MAT URBAN CLASS I TYPE A (TYP)
2. GUTTER PAN HAS A 6.25% SLOPE OUTSIDE OF CURB RAMP AREAS. SEE CURB RAMP DETAILS AND PAVING GRADES FOR 4.0% GUTTER PLAN LIMITS.

* SIDEROAD MILLING AND OVERLAY LIMITS EXTEND TO END OF CURB RETURN RADII



TYPICAL FINISHED SECTION - SIDE ROADS*

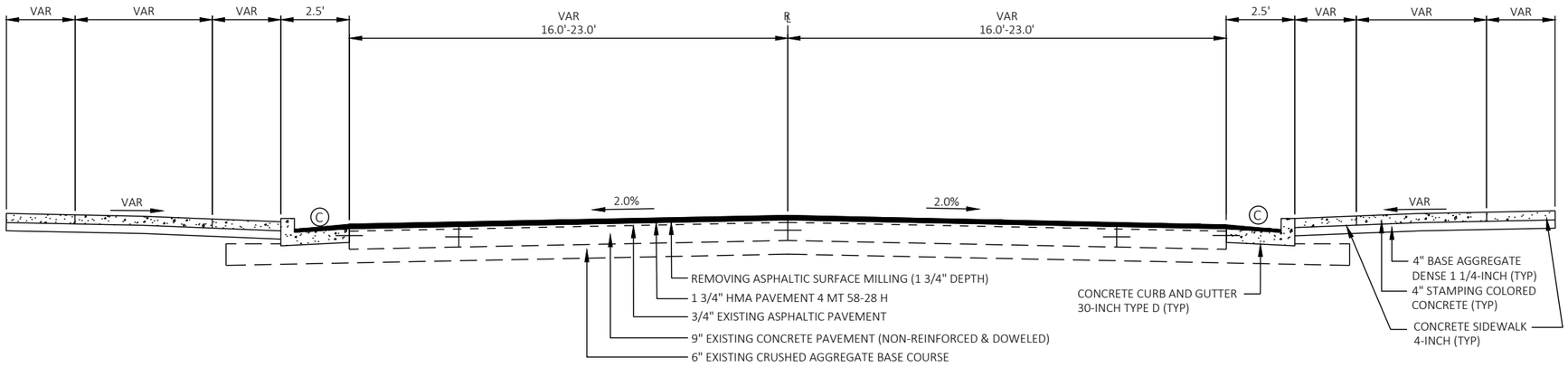
NOVAK ST
ELM ST
8TH ST
KLEIST ST
WISCONSIN ST
5TH ST



TYPICAL FINISHED SECTION - SIDE ROADS*

4TH ST
FREMONT ST
JACKSON ST
HIGH ST
PINE ST

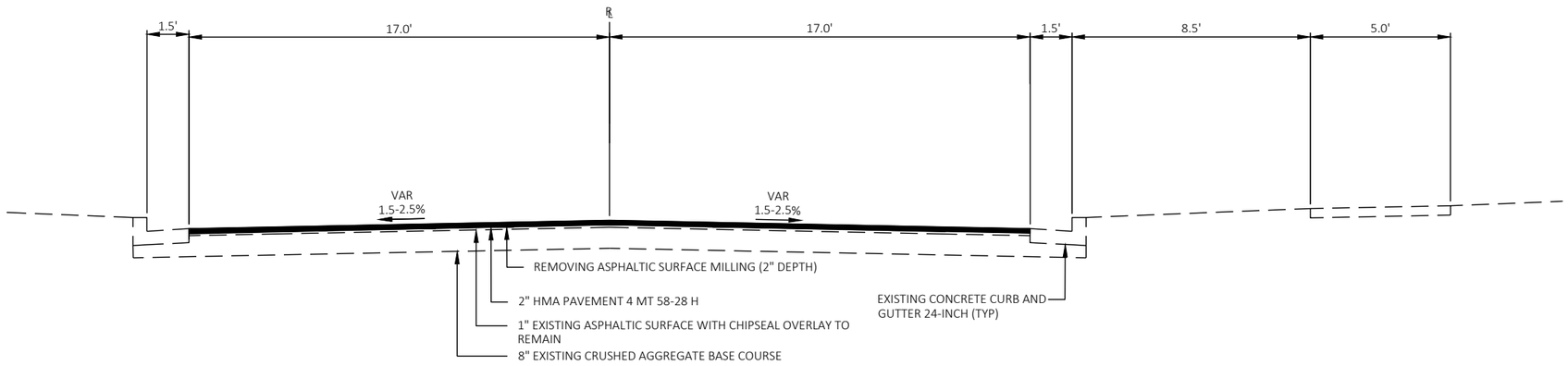
PROJECT NO: 6370-01-75 & 6370-01-73	HWY: STH 153	COUNTY: MARATHON	TYPICAL SECTIONS	SHEET 8	E



NOTES:

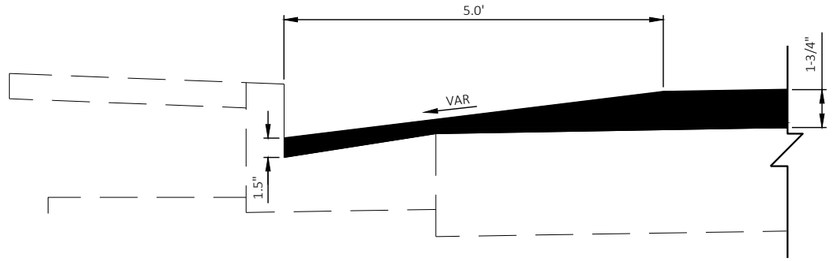
Ⓒ GUTTER PAN HAS A 6.25% SLOPE OUTSIDE OF CURB RAMP AREAS. SEE CURB RAMP DETAILS AND PAVING GRADES FOR 4.0% GUTTER PLAN LIMITS.

TYPICAL FINISHED SECTION - SIDE ROADS
4TH ST
3RD ST
2ND ST

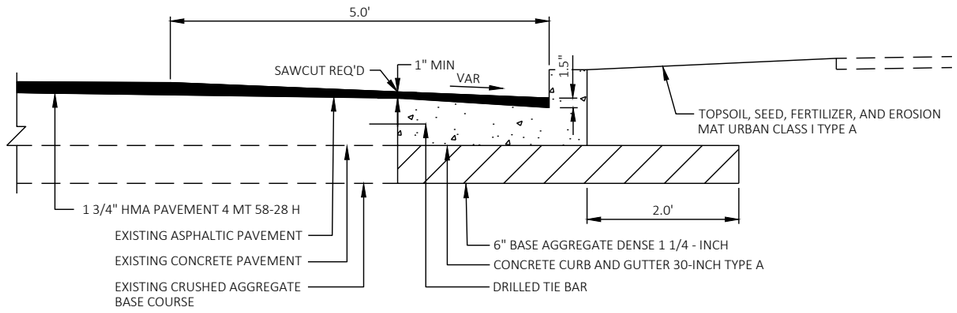


TYPICAL FINISHED SECTION
RANGELINE RD

2

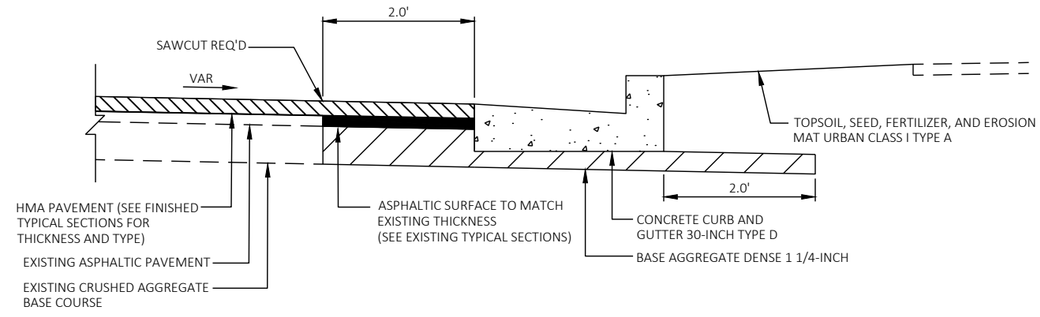


EXISTING CONCRETE CURB AND GUTTER OVERLAY



ASPHALT OVERLAY AT CONCRETE CURB AND GUTTER TYPE A REPLACEMENT

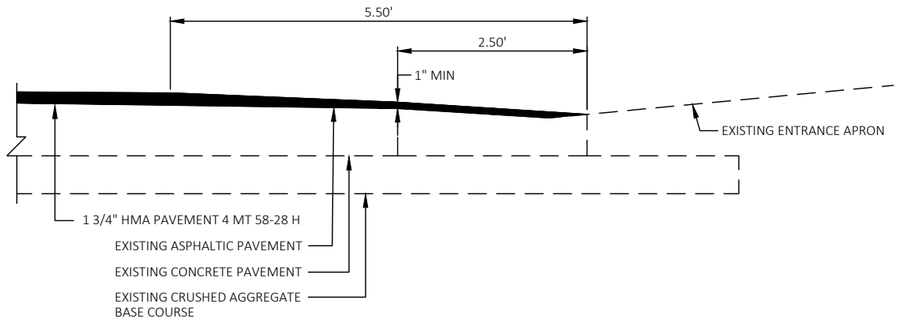
SEE PLAN SHEETS FOR REPLACEMENT LOCATIONS



CONCRETE CURB AND GUTTER TYPE D REPLACEMENT

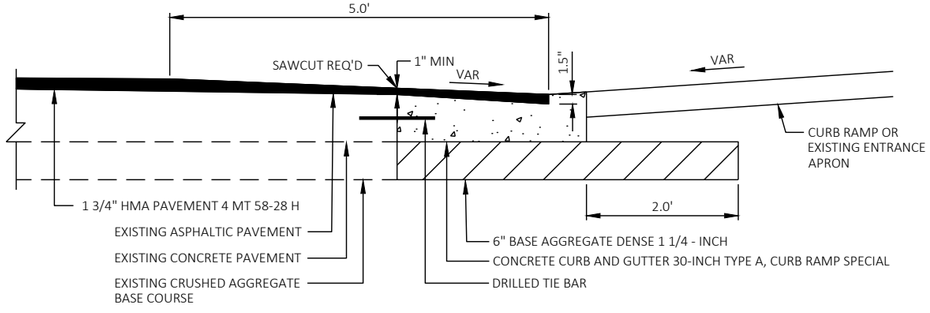
SEE PLAN SHEETS FOR REPLACEMENT LOCATIONS

ASPHALT CORING TABLE		
CORE NUMBER	CORE THICKNESS	STATION, OFFSET
C-1-a	2-3/4"	73+43.62, 18.2' LT
C-1-b	3-3/4"	73+43.64, 6.2' LT
C-1-c	3-1/4"	73+43.62, 6.2' RT
C-1-d	4"	73+42.88, 19.9' RT
C-2	4-1/2"	78+10.23, 6.6' LT
C-3	4-1/4"	82+71.75, 7.0 RT
C-4-a	4"	88+32.75, 16.9' LT
C-4-b	2-3/4"	88+33.11, 5.3' LT
C-4-c	3-1/4"	88+36.26, 5.9' RT
C-4-d	3-1/2"	88+33.07, 15.9' RT
C-5	3-1/4"	92+35.80, 5.7' LT
C-6	3"	98+14.41, 6.0' RT
C-7-a	6-1/2"	102+78.10, 13.9' LT
C-7-b	5-3/4"	102+78.52, 5.4' LT
C-7-c	6"	102+77.19, 6.5' RT
C-7-d	5"	102+77.58, 16.6' RT
C-8	5-3/4"	107+99.48, 4.9' LT
C-9	5"	111+96.24, 6.6' RT
C-10-a	6-1/2"	118+26.01, 17.4' LT
C-10-b	5"	118+26.28, 5.6' LT
C-10-c	5-3/4"	118+26.14, 5.8' RT
C-10-d	5"	118+25.49, 16.6' RT



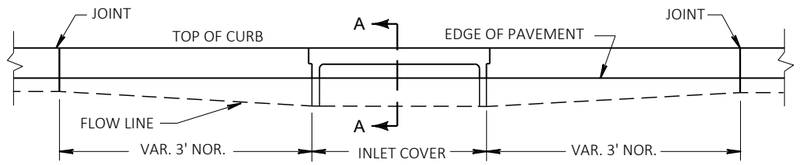
ASPHALT OVERLAY AT EXISTING CURB RAMP OR ENTRANCE APRON

SEE PLAN SHEETS FOR REPLACEMENT LOCATIONS

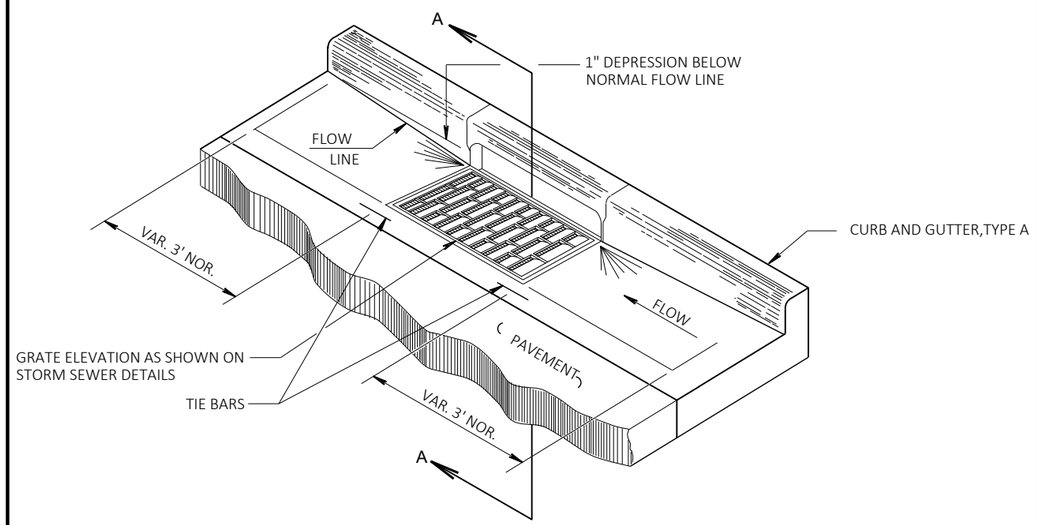


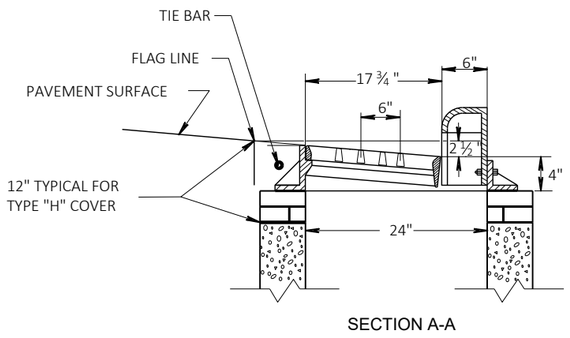
ASPHALT OVERLAY AT CURB RAMP OR ENTRANCE APRON

SEE PLAN SHEETS FOR REPLACEMENT LOCATIONS



ELEVATION

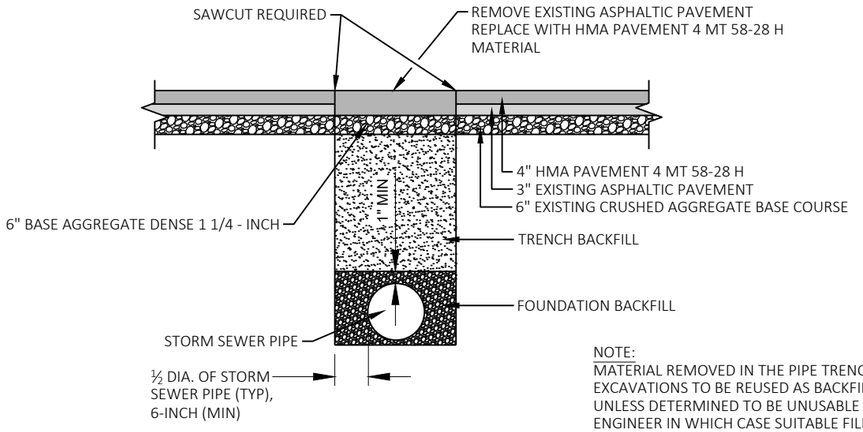




SECTION A-A

DETAIL OF CURB AND GUTTER AT INLETS

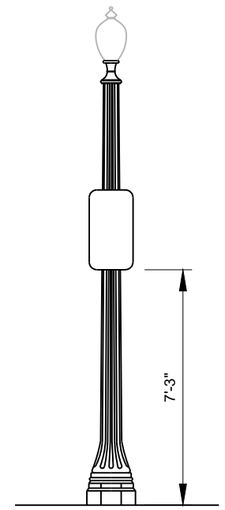
(TYPICAL INLET COVER TYPE H SHOWN)



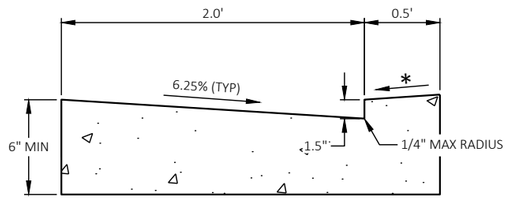
NOTE:
MATERIAL REMOVED IN THE PIPE TRENCH EXCAVATIONS TO BE REUSED AS BACKFILL UNLESS DETERMINED TO BE UNUSABLE BY THE ENGINEER IN WHICH CASE SUITABLE FILL WILL BE USED.

PIPE TRENCH EXCAVATION CONSIDERED INCIDENTAL TO PIPE INSTALLATION.

STORM SEWER TRENCH DETAIL

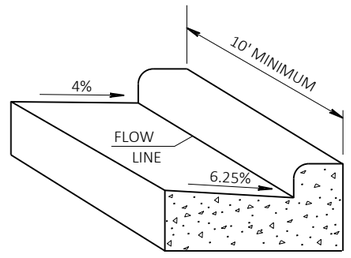


DECORATIVE LIGHT POLE SIGN DETAIL

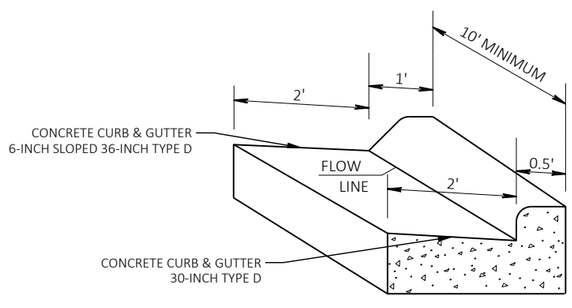


* SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL

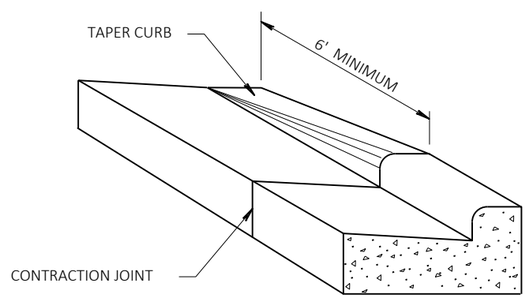
CONCRETE CURB & GUTTER 30-INCH TYPE A, CURB RAMP SPECIAL



DETAIL OF GUTTER SLOPE TRANSITION

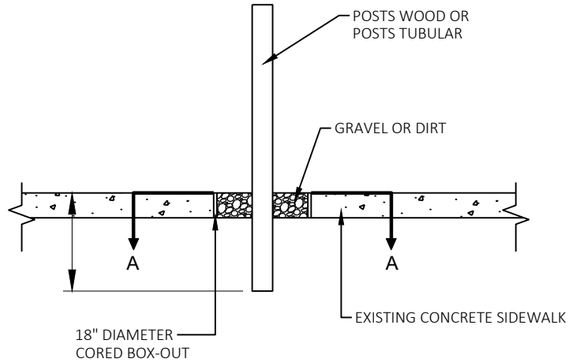


DETAIL OF GUTTER SIZE TRANSITION

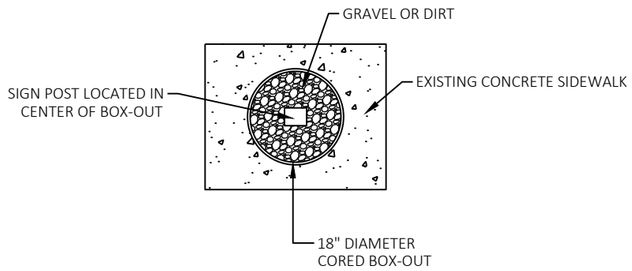


DETAIL OF CURB & GUTTER TERMINI

2



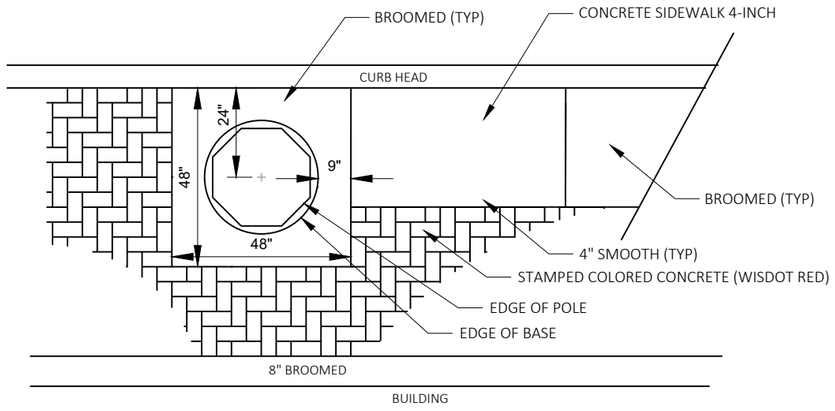
ELEVATION VIEW



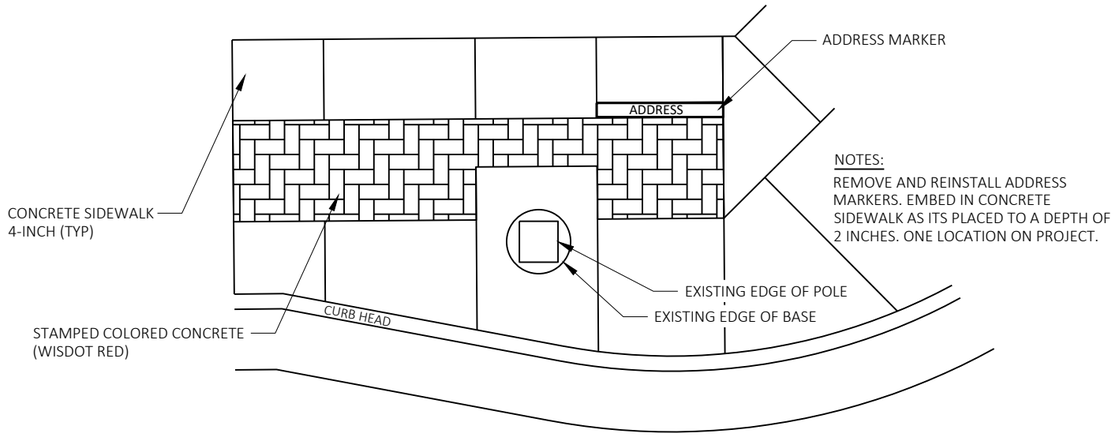
PLAN VIEW

CONCRETE CORING SIGN POST BOX-OUT DETAIL

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. REFER TO MQ TABLES FOR LOCATIONS

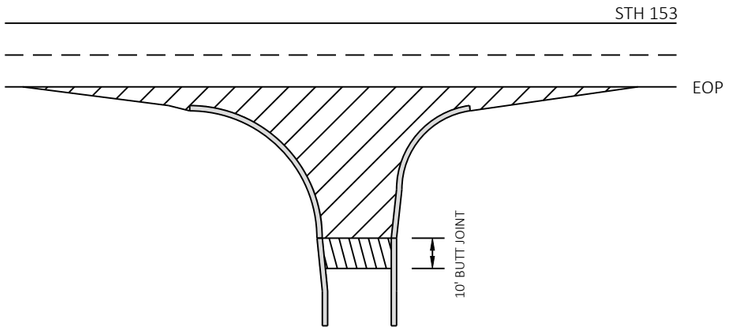


DECORATIVE CONCRETE DETAIL



CONCRETE ADDRESS MARKER DETAIL

NW QUADRANT OF MAIN/4TH ST



REMOVING ASPHALTIC SURFACE MILLING

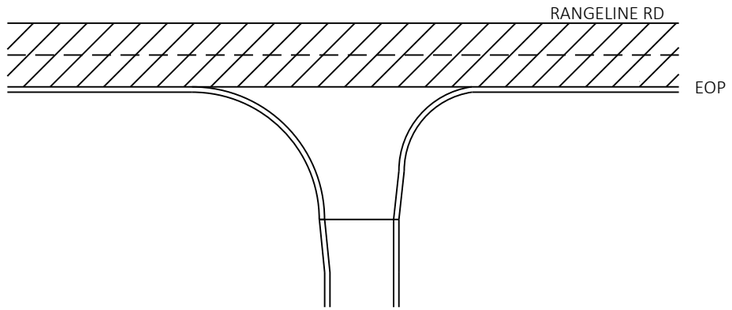
REMOVING ASPHALTIC SURFACE BUTT JOINTS
SEE BUTT JOINT DETAIL

NOTE: WHEN MATCHING TO AN UNPAVED SURFACE
BUTT JOINT IS NOT REQUIRED

SIDE ROADS

WITH CURB AND GUTTER

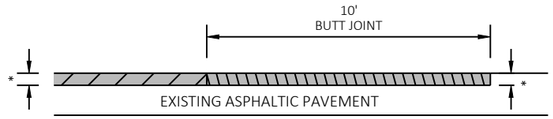
NOVAK ST	FREMONT ST
ELM ST	JACKSON ST
8TH ST	HIGH ST
KLEIST ST	PINE ST
WISCONSIN ST	MAIN ST
5TH ST	3RD ST
4TH ST	2ND ST



REMOVING ASPHALTIC SURFACE MILLING

RANGELINE RD

WITH CURB AND GUTTER



HMA PAVEMENT

REMOVING ASPHALTIC SURFACE MILLING

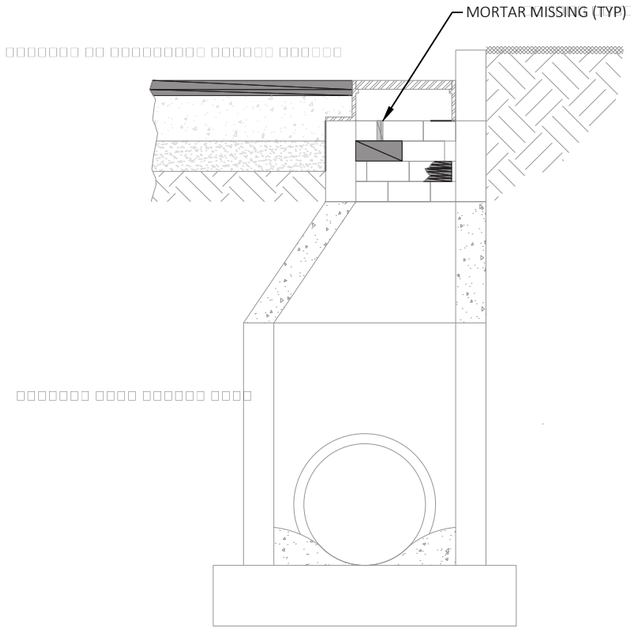
REMOVING ASPHALTIC SURFACE BUTT JOINTS

NOTES:

* 1 3/4" HMA PAVEMENT THICKNESS
STA 100+54.70 TO 121+00
(NOVAK ST, ELM ST, 8TH ST, KLEIST ST, WISCONSIN ST, 5TH ST)
4" HMA PAVEMENT THICKNESS
STA 121+00 TO 149+92.24
(4TH ST, FREMONT ST, JACKSON ST, HIGH ST, PINE ST, MAIN ST, 3RD ST, 2ND ST)
2" HMA PAVEMENT THICKNESS
(STH 153/RANGELINE RD & RANGELINE RD/MAIN ST)

BUTT JOINT

MAINLINE AND SIDE ROADS

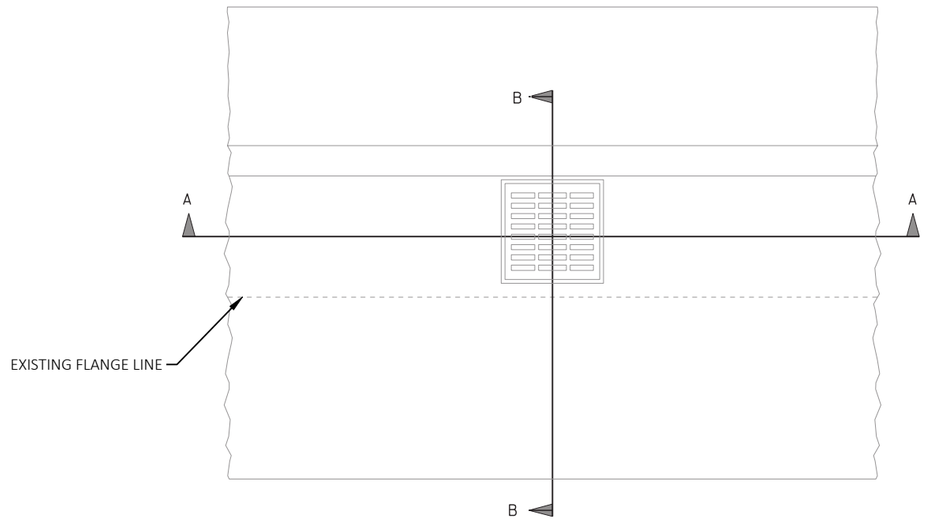


EXISTING DRAINAGE STRUCTURE
SECTION B-B

STRUCTURE DETAILS ARE INTENDED TO SHOW GENERAL CONDITION
AND IS NOT AN EXACT REPRESENTATION OF EVERY STRUCTURE.



TYPICAL SCOPE OF RECONSTRUCTING INLET/MANHOLES

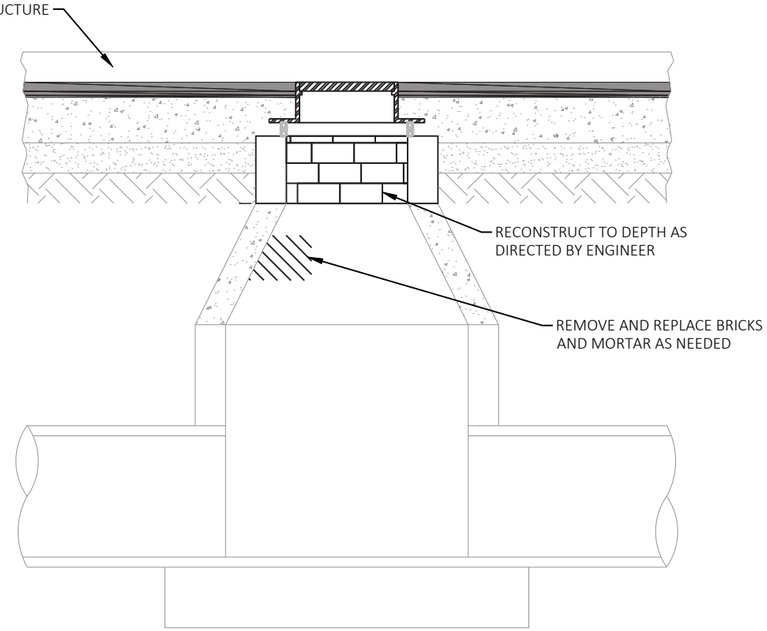


PLAN VIEW

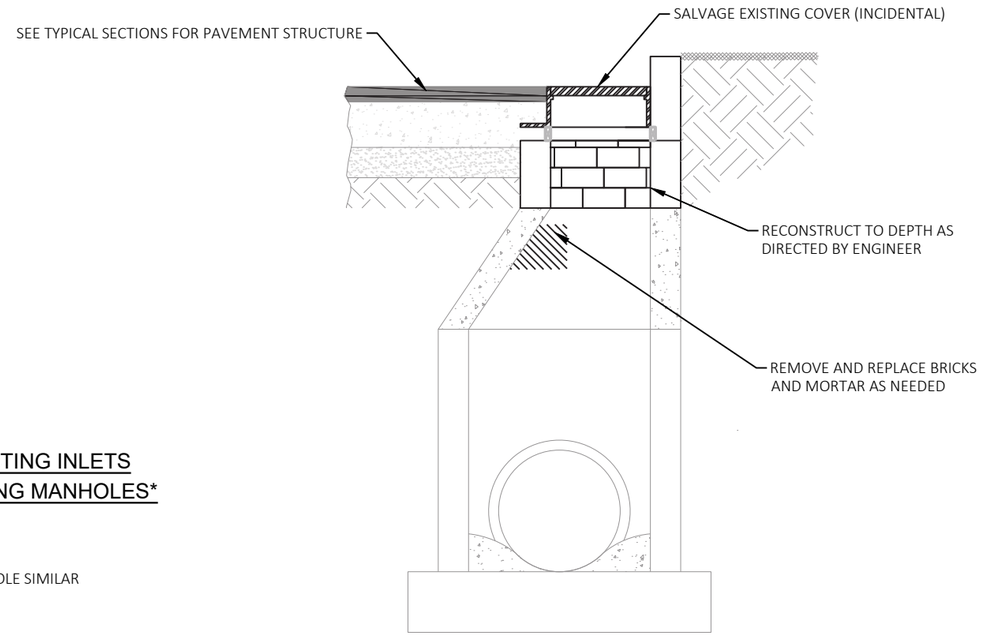
RECONSTRUCTING INLETS
RECONSTRUCTING MANHOLES*

NOT TO SCALE

*INLET SHOWN, MANHOLE SIMILAR

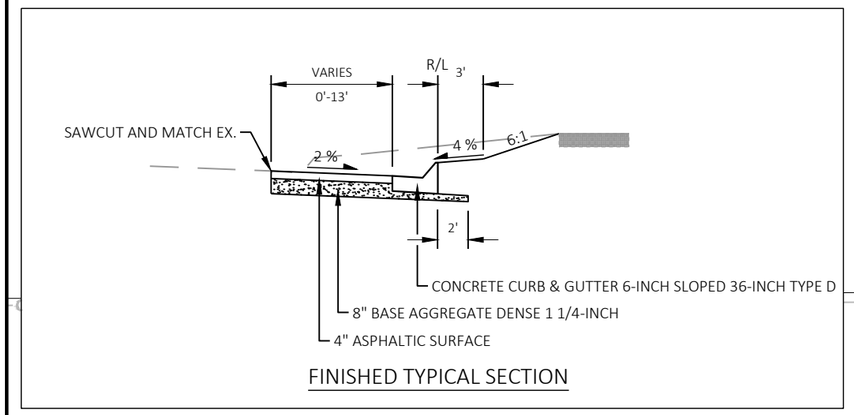


PROPOSED DRAINAGE STRUCTURE
SECTION A-A



PROPOSED DRAINAGE STRUCTURE
SECTION B-B

Structure Table					
NUMBER	STATION OFFSET	SIZE	RIM	SUMP	CONNECTED PIPES
1	71+46, -51.515 L	INLETS 2x3-HM	1149.18	1146.33	E: 1146.33 (SSPRC CLASS III 12-INCH)



FINISHED TYPICAL SECTION

EX. R/W

Y = 139729.596
X = 256034.556
BP: 0+00.00

S00°01'00"E
6.00'

PC: 0+06.00

MILL AND OVERLAY LIMITS

INLETS 2X3-FT
INLET COVERTS TYPE HM

INL 1

REMOVING INLET CONCRETE COLLARS FOR PIPE REQU'D

SLOPE INTERCEPT

CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D

MARKING STOP LINE PAINT 18-INCH

+30.09, -10.96' L

RANGELINE RD

SEE CURB RAMP DETAILS OR MORE INFORMATION

SAWCUT (TYP)

PI: 0+70.24

6:1 TAPER

N02°17'24"W
3.00'

00+T

S78°46'10"W
34.81'

EP: 1+05.05

PT: 0+67.24

REMOVING CURB & GUTTER

+49.63, -13.07' L

REMOVING INLETS SEALING PIPES

STH 153

71+00

72+00

205+00

STH 153 R/L

PI STA = 0+44.44
Y = 139685.152
X = 256034.569
DELTA = 87°43'36"
D = 143°14'22"
T = 38.44'
L = 61.24'
R = 40.00'
PC STA = 0+06.00
Y = 139723.596
X = 256034.558
PT STA = 0+67.24
Y = 139683.616
X = 255996.156
BK = S00°01'00.0"E
AH = S87°42'36.1"W

N

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	INTERSECTION DETAILS: STH 153 & RANGELINE RD	SHEET 15	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\021101_ID.DWG
LAYOUT NAME - 021101_id

PLOT DATE : 11/24/2021 10:55 AM PLOT BY : CORY IHDE PLOT NAME : PLOT SCALE : 1:10 FT

WISDOT/CADDS SHEET 42

Structure Table					
NUMBER	STATION OFFSET	SIZE	RIM	SUMP	CONNECTED PIPES
2	0+75, 1.460 RT	INLETS 4-HM	1153.67	1149.68	NW: 1152.26 (SSPRC CLASS III 12-INCH)

PI STA = 0+28.60
Y = 143238.835
X = 256074.819
DELTA = 67°28'53"
D = 381°58'19"
T = 10.02'
L = 17.67'
R = 15.00'
PC STA = 0+18.58
Y = 143228.844
X = 256074.077
PT STA = 0+36.25
Y = 143241.976
X = 256084.333
BK = N04°14'56.5"E
AH = N71°43'49.2"E

PI STA = 0+65.63
Y = 143251.189
X = 256112.240
DELTA = 40°54'06"
D = 95°29'35"
T = 22.37'
L = 42.83'
R = 60.00'
PC STA = 0+43.26
Y = 143244.175
X = 256090.994
PT STA = 0+86.09
Y = 143242.579
X = 256132.892
BK = N71°43'49.2"E
AH = S67°22'04.4"E

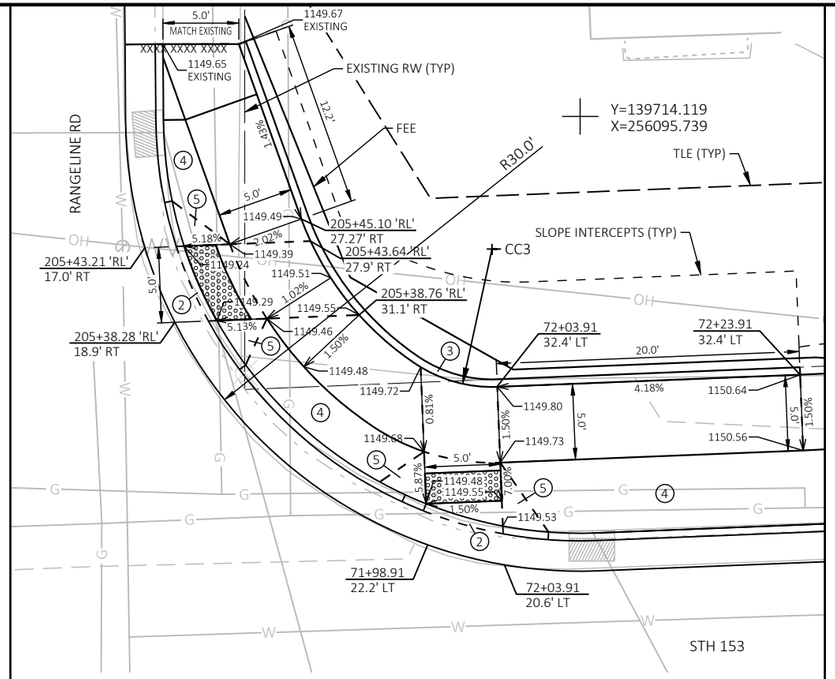
CTH B R/L
TDS
WPS
+57.57, -16.37' LT
SAWCUT (TYP)
REMOVING CURB & GUTTER
REMOVING INLETS
CONCRETE COLLARS
FOR PIPE REQ'D
INLETS 4-FT DIA.
INLET COVERS TYPE HM
INL 2
51+00
CTH B
RANGELINE RD R/L
N71°43'49"E
7.01'
PC: 0+43.26
PI: 0+36.25
PT: 0+86.09
MARKING STOP LINE PAINT 18-INCH
+30.84, -9.84' LT
RANGELINE-CTH B CURB RETURN R/L
S67°22'04"E
19.32'
EP: 1+05.41
1+00
MILL AND OVERLAY LIMITS
(TO BE VERIFIED IN THE FIELD
BY THE ENGINEER)
WPS
TDS
PC: 0+18.58
RANGELINE RD
N04°14'57"E
18.58'
Y = 143210.316
X = 256072.700
BP: 0+00.00
9+00
MAIN ST
RANGELINE RD
STOP
0-01
MOVE
Welcome to
The City Of
Mosinee
NO
PARKING
ON CITY STREETS
NOV 1 - APR 1
2:00 AM - 6:00 AM
0-02
TO BE
MOVED BY
LOCALS
WPS
WPS
SLOPE INTERCEPT
CHARTER

VARIES
0'-16'
R/L 3'
SAWCUT AND MATCH EX.
2 %
4 %
6:1
2'
CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
8" BASE AGGREGATE DENSE 1 1/4-INCH
4" ASPHALTIC SURFACE

FINISHED TYPICAL SECTION

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	INTERSECTION DETAILS: RANGELINE RD & CTH B	SHEET 16	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\021101_ID-RANGELINE-CTH B.DWG
LAYOUT NAME - 01
PLOT DATE : 11/24/2021 10:59 AM
PLOT BY : CORY IHDE
PLOT NAME :
PLOT SCALE : 1 IN:10 FT



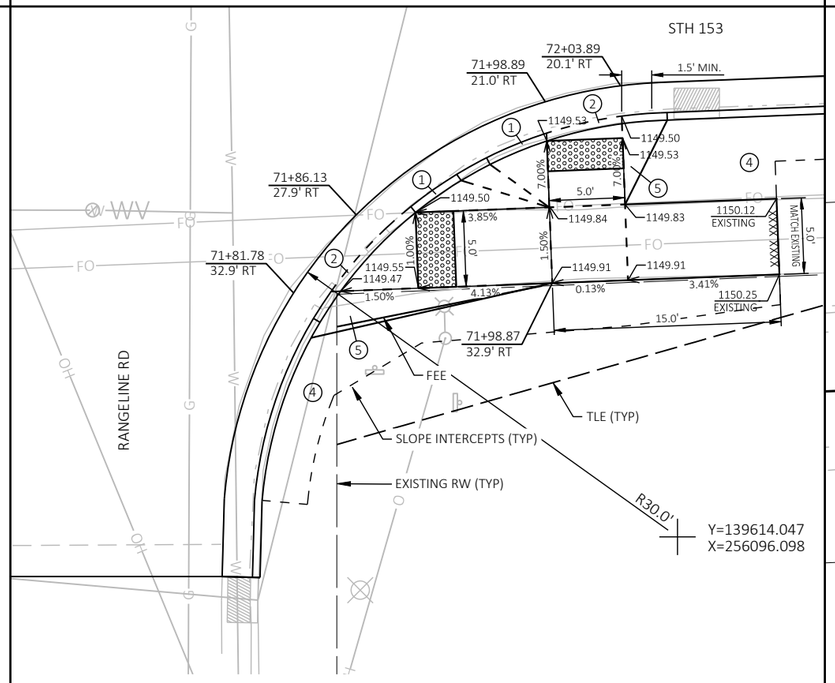
CURB RAMP 'RANGELINE RD - A'

LEGEND

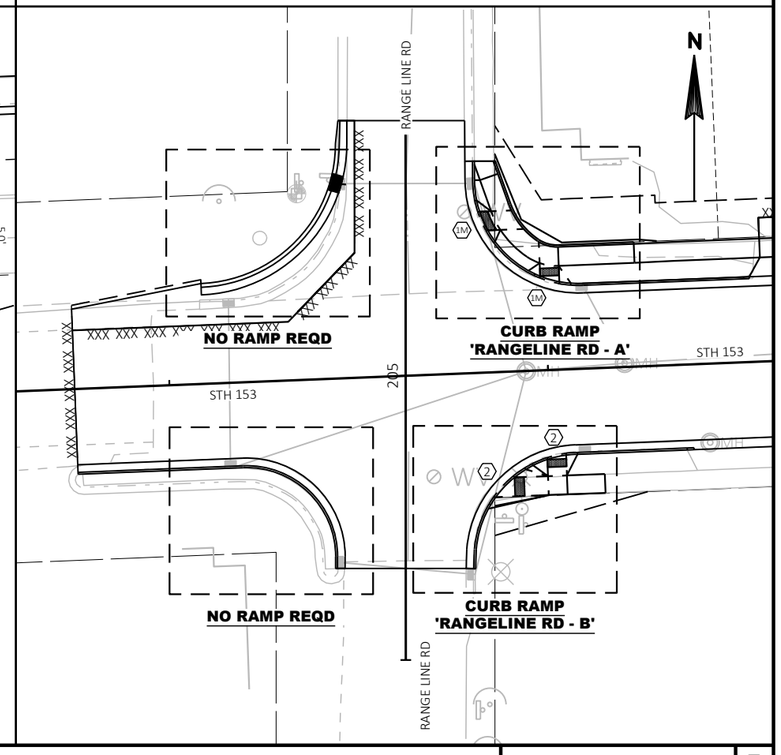
←	DIRECTION OF SLOPE (TYP)
. XXXX .	SAWCUT REQ'D (SAWCUTS TO BE AT NEAREST EXISTING JOINT)
	DETECTABLE WARNING FIELD
+XX.XX / +XX.X' LT/RT	STATION, OFFSET
(1)	10:1 MAX FLARE. 2" MIN. CURB HEIGHT
(2)	GUTTER CROSS SLOPE AT CURB RAMP 4% CURB HEAD OPENING SLOPE 1.5% MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK
(3)	CONCRETE CURB, PEDESTRIAN
(4)	GRASS OR OTHER NON-WALKABLE SURFACE
(5)	6:1 MINIMUM GRADED FLARE
(6)	10:1 MINIMUM CONCRETE FLARE
	STAMPING COLORED CONCRETE (WISDOT RED)
(X)	CURB RAMP TYPE AS PER WISDOT SDD 8d5

NOTES:

a. SALVAGE BRICK PAVERS THAT ARE REMOVED DURING CURB RAMP CONSTRUCTION



CURB RAMP 'RANGELINE RD - B'



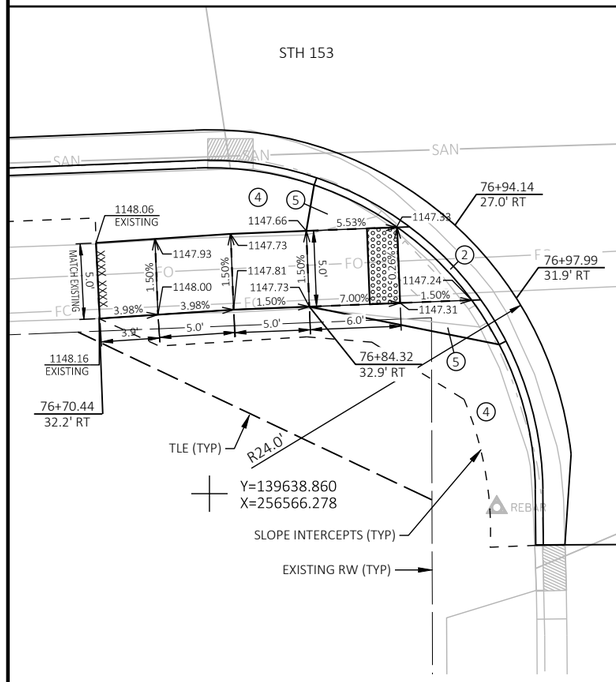
PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CURB RAMPS: RANGELINE ROAD	SHEET 17	E

LEGEND

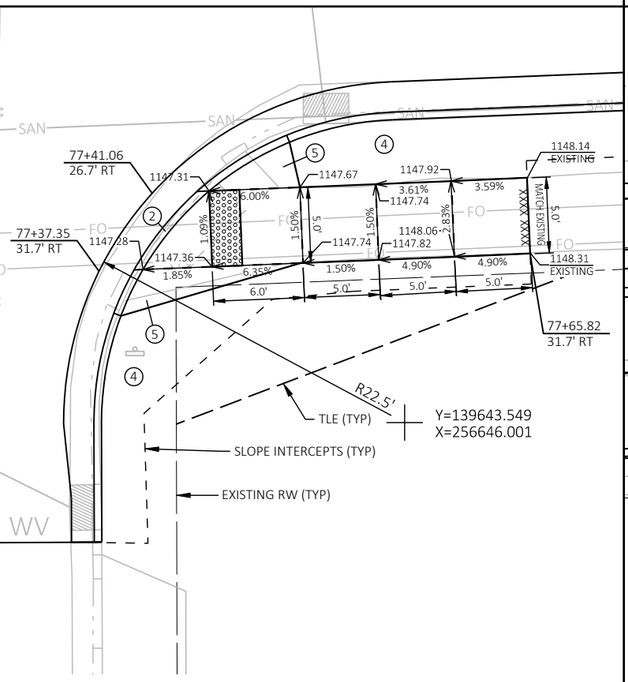
←	DIRECTION OF SLOPE (TYP)
. XXXX .	SAWCUT REQ'D (SAWCUTS TO BE AT NEAREST EXISTING JOINT)
	DETECTABLE WARNING FIELD
+XX.XX / +XX.X' LT/RT	STATION, OFFSET
(1)	10:1 MAX FLARE. 2" MIN. CURB HEIGHT
(2)	GUTTER CROSS SLOPE AT CURB RAMP 4% CURB HEAD OPENING SLOPE 1.5% MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK
(3)	CONCRETE CURB, PEDESTRIAN
(4)	GRASS OR OTHER NON-WALKABLE SURFACE
(5)	6:1 MINIMUM GRADED FLARE
(6)	10:1 MINIMUM CONCRETE FLARE
	STAMPING COLORED CONCRETE (WISDOT RED)
(X)	CURB RAMP TYPE AS PER WISDOT SDD 8d5

NOTES:

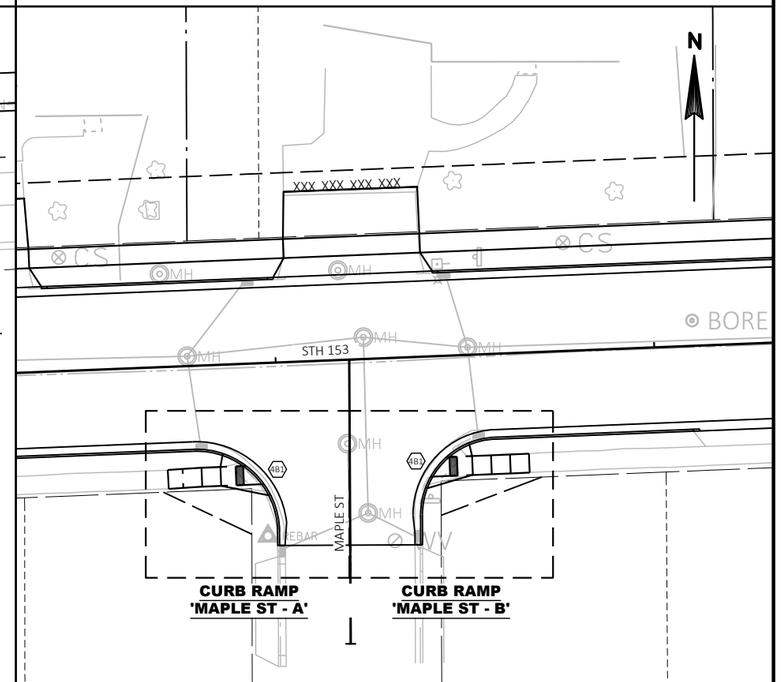
a. SALVAGE BRICK PAVERS THAT ARE REMOVED DURING CURB RAMP CONSTRUCTION



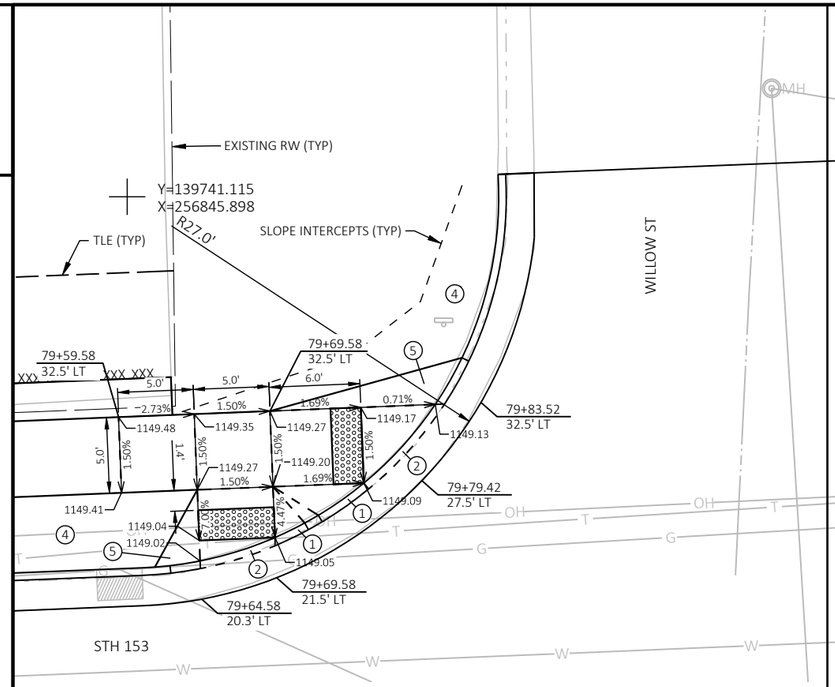
CURB RAMP 'MAPLE ST - A'



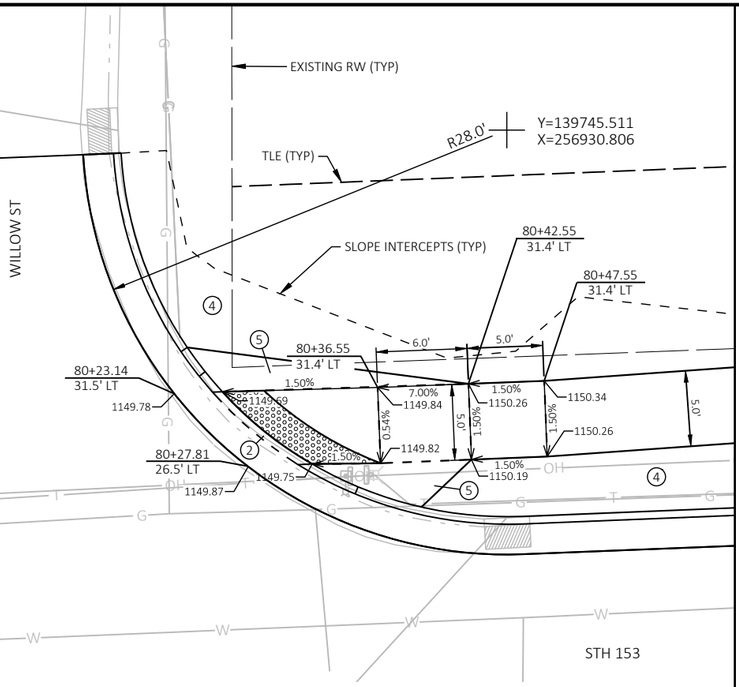
CURB RAMP 'MAPLE ST - B'



PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CURB RAMPS: MAPLE STREET	SHEET 18 E



CURB RAMP 'WILLOW ST - A'



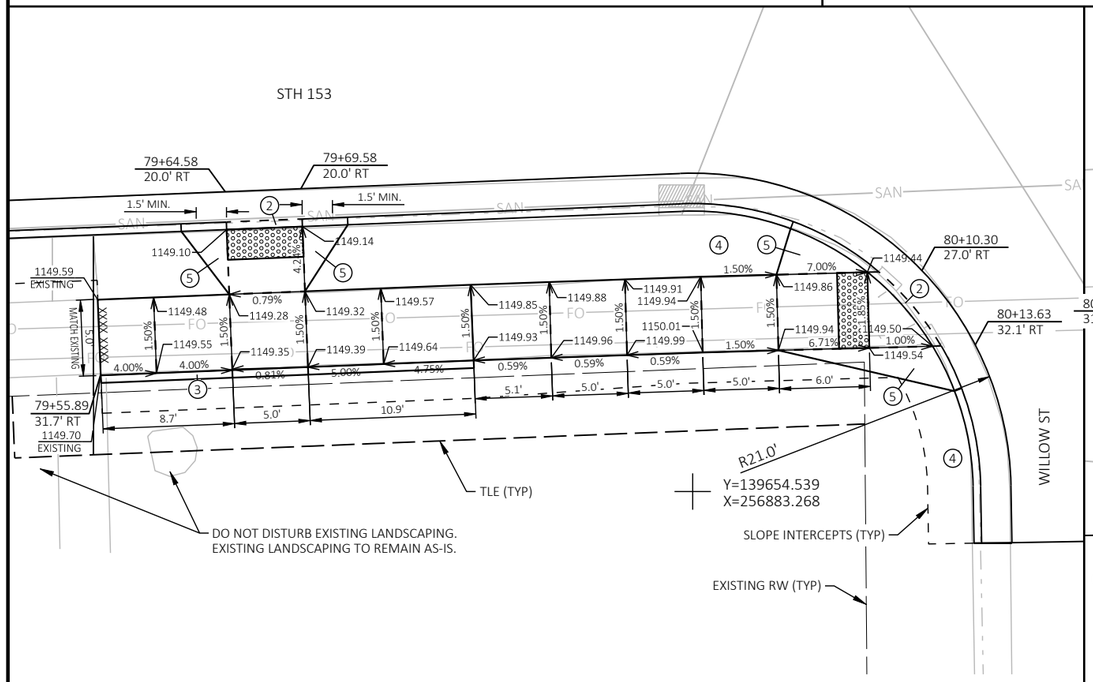
CURB RAMP 'WILLOW ST - B'

LEGEND

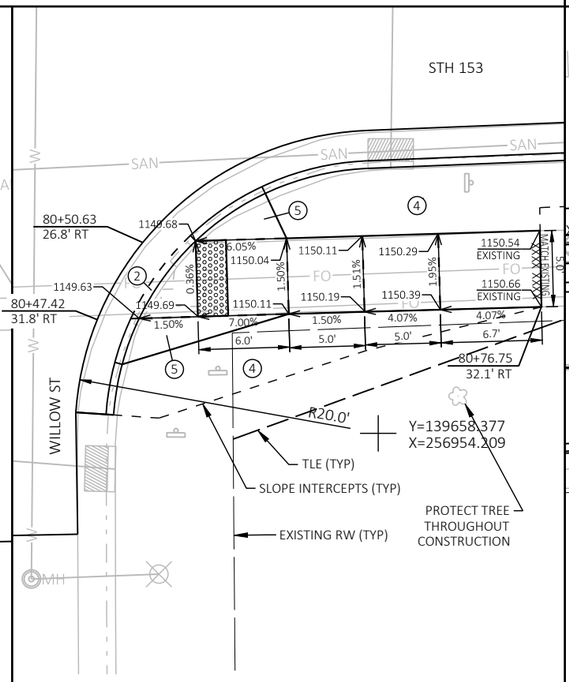
- DIRECTION OF SLOPE (TYP)
- .XXXX. SAWCUT REQ'D (SAWCUTS TO BE AT NEAREST EXISTING JOINT)
- DETECTABLE WARNING FIELD
- +XX.XX / +XX.X' LT/RT STATION, OFFSET
- (1) 10:1 MAX FLARE. 2" MIN. CURB HEIGHT
- (2) GUTTER CROSS SLOPE AT CURB RAMP 4% CURB HEAD OPENING SLOPE 1.5% MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK
- (3) CONCRETE CURB, PEDESTRIAN
- (4) GRASS OR OTHER NON-WALKABLE SURFACE
- (5) 6:1 MINIMUM GRADED FLARE
- (6) 10:1 MINIMUM CONCRETE FLARE
- STAMPING COLORED CONCRETE (WISDOT RED)
- (X) CURB RAMP TYPE AS PER WISDOT SDD 8d5

NOTES:

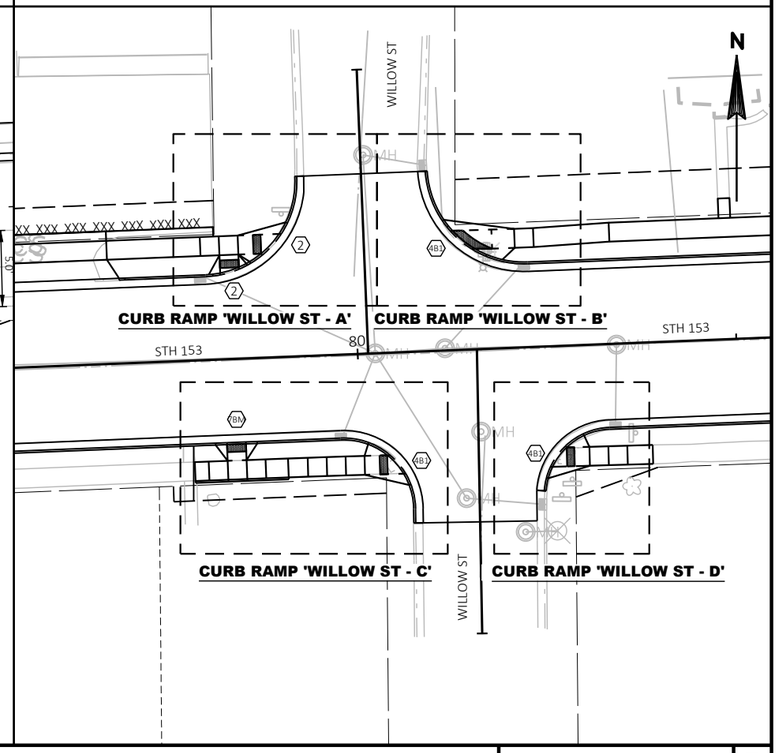
a. SALVAGE BRICK PAVERS THAT ARE REMOVED DURING CURB RAMP CONSTRUCTION



CURB RAMP 'WILLOW ST - C'



CURB RAMP 'WILLOW ST - D'



PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CURB RAMPS: WILLOW STREET	SHEET 19	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\021102_ID_CURB RAMPS_RANGELINE TO 5TH.DWG
LAYOUT NAME - 021127_id_willow

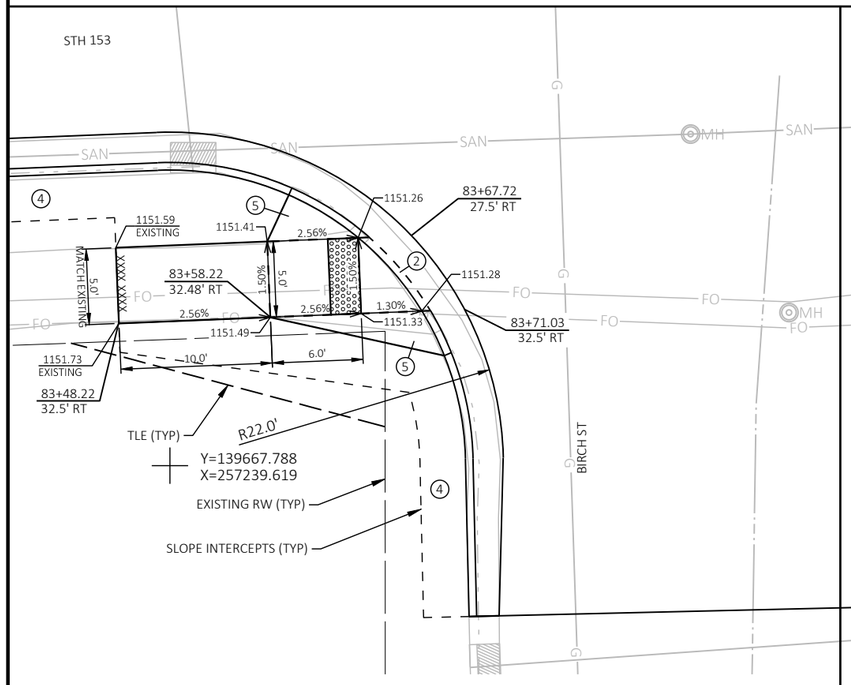
PLOT DATE : 7/12/2021 2:38 PM PLOT BY : CORY IHDE PLOT NAME : PLOT SCALE : 1 IN:60 FT

LEGEND

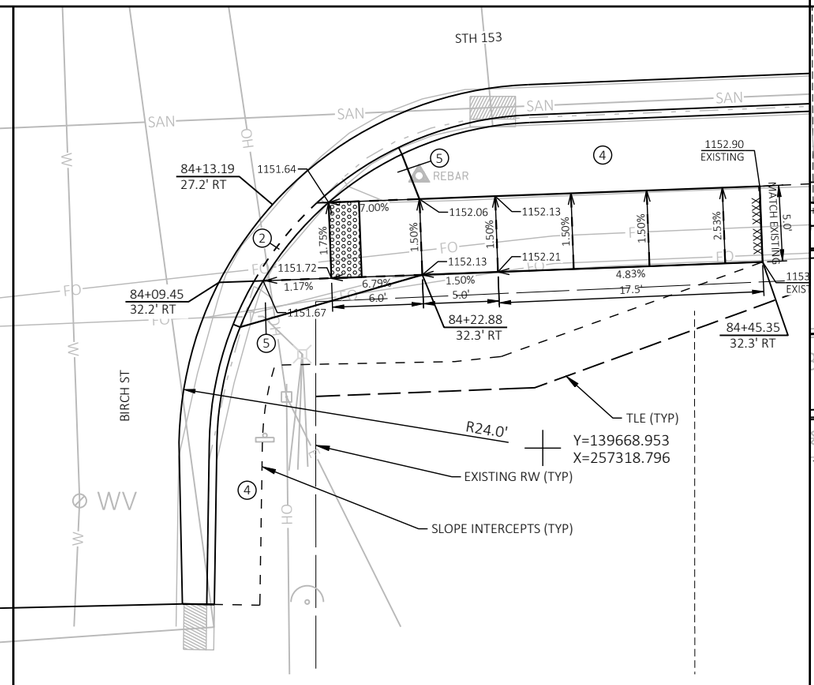
←	DIRECTION OF SLOPE (TYP)
. XXXX .	SAWCUT REQ'D (SAWCUTS TO BE AT NEAREST EXISTING JOINT)
	DETECTABLE WARNING FIELD
+XX.XX / +XX.X' LT/RT	STATION, OFFSET
(1)	10:1 MAX FLARE. 2" MIN. CURB HEIGHT
(2)	GUTTER CROSS SLOPE AT CURB RAMP 4% CURB HEAD OPENING SLOPE 1.5% MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK
(3)	CONCRETE CURB, PEDESTRIAN
(4)	GRASS OR OTHER NON-WALKABLE SURFACE
(5)	6:1 MINIMUM GRADED FLARE
(6)	10:1 MINIMUM CONCRETE FLARE
	STAMPING COLORED CONCRETE (WISDOT RED)
(X)	CURB RAMP TYPE AS PER WISDOT SDD 8d5

NOTES:

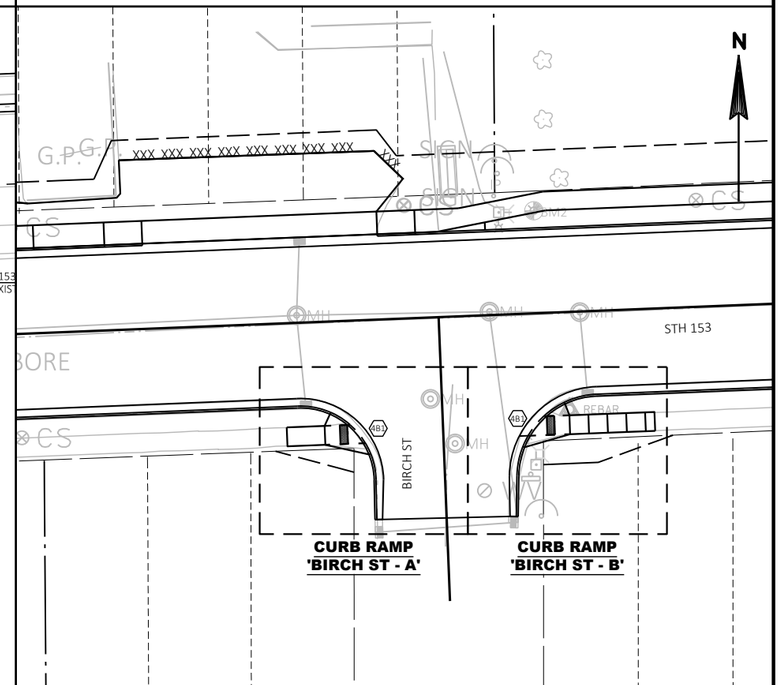
a. SALVAGE BRICK PAVERS THAT ARE REMOVED DURING CURB RAMP CONSTRUCTION



CURB RAMP 'BIRCH ST - A'



CURB RAMP 'BIRCH ST - B'



CURB RAMP 'BIRCH ST - A'

CURB RAMP 'BIRCH ST - B'

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CURB RAMPS: BIRCH STREET	SHEET	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\021102_ID_CURB RAMPS_RANGELINE TO 5TH.DWG
LAYOUT NAME - 021128_id_birch

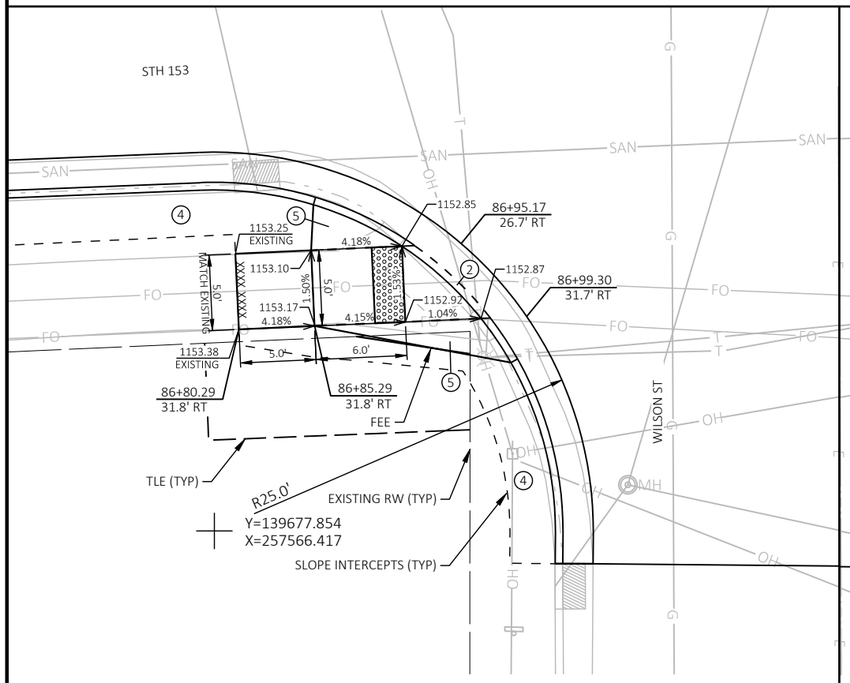
PLOT DATE : 7/12/2021 2:38 PM PLOT BY : CORY IHDE PLOT NAME : PLOT SCALE : 1 IN:60 FT

LEGEND

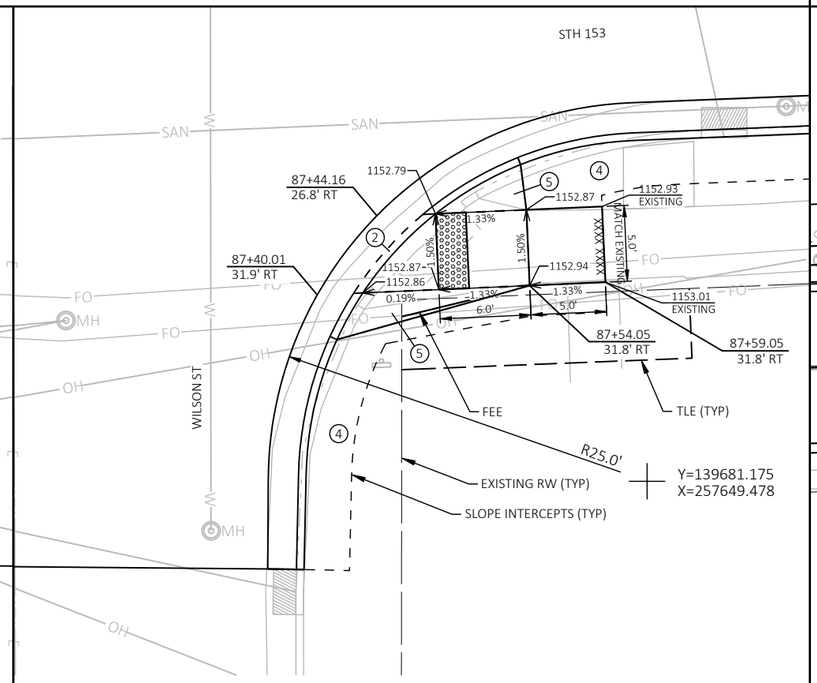
←	DIRECTION OF SLOPE (TYP)
. XXXX .	SAWCUT REQ'D (SAWCUTS TO BE AT NEAREST EXISTING JOINT)
	DETECTABLE WARNING FIELD
+XX.XX / +XX.X' LT/RT	STATION, OFFSET
(1)	10:1 MAX FLARE. 2" MIN. CURB HEIGHT
(2)	GUTTER CROSS SLOPE AT CURB RAMP 4% CURB HEAD OPENING SLOPE 1.5% MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK
(3)	CONCRETE CURB, PEDESTRIAN
(4)	GRASS OR OTHER NON-WALKABLE SURFACE
(5)	6:1 MINIMUM GRADED FLARE
(6)	10:1 MINIMUM CONCRETE FLARE
	STAMPING COLORED CONCRETE (WISDOT RED)
(X)	CURB RAMP TYPE AS PER WISDOT SDD 8d5

NOTES:

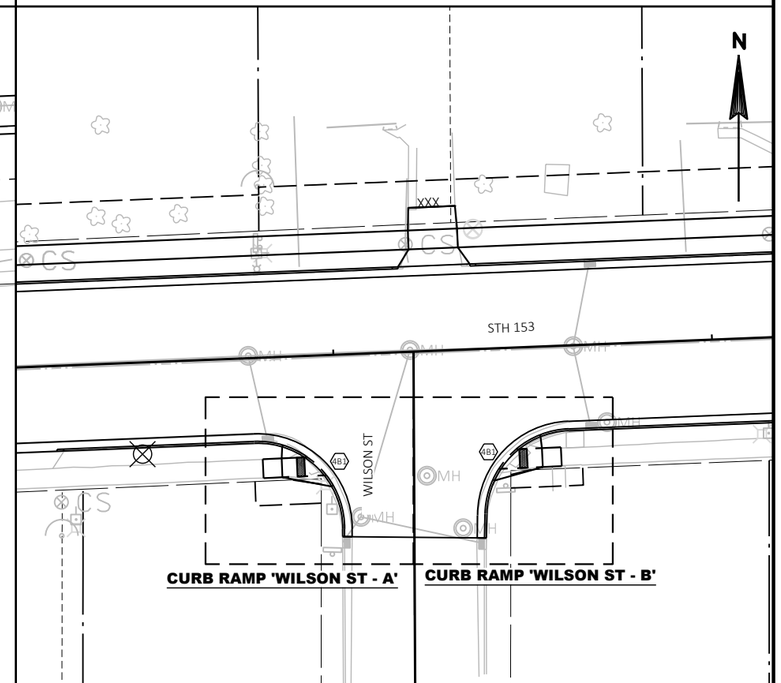
a. SALVAGE BRICK PAVERS THAT ARE REMOVED DURING CURB RAMP CONSTRUCTION



CURB RAMP 'WILSON ST - A'



CURB RAMP 'WILSON ST - B'



PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CURB RAMPS: WILSON STREET	SHEET 21 E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\021102_ID_CURB RAMPS_RANGELINE TO 5TH.DWG
LAYOUT NAME - 021129_id_wilson

PLOT DATE : 7/12/2021 2:39 PM PLOT BY : CORY IHDE PLOT NAME : PLOT SCALE : 1 IN:60 FT

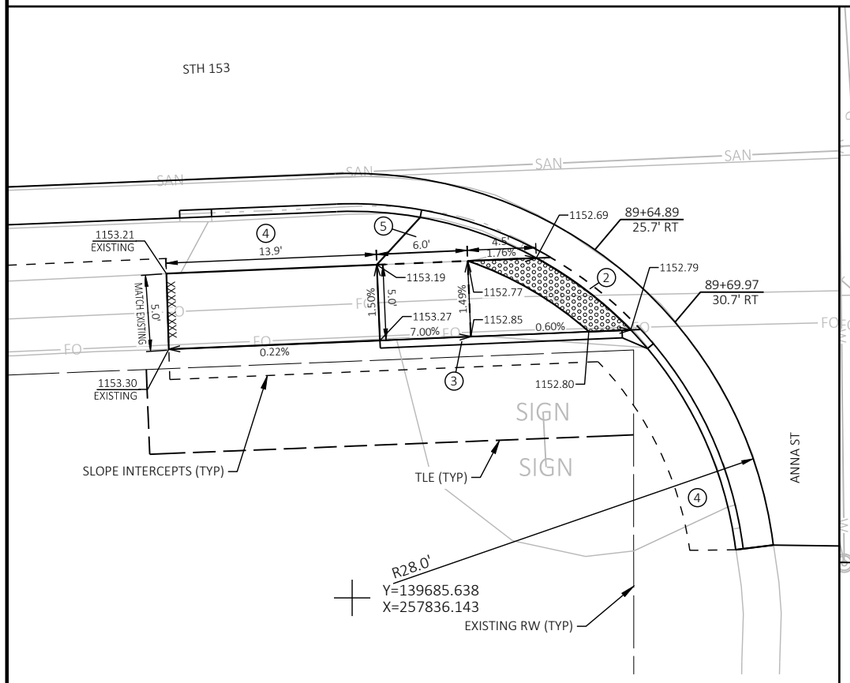
WISDOT/CADDS SHEET 44

LEGEND

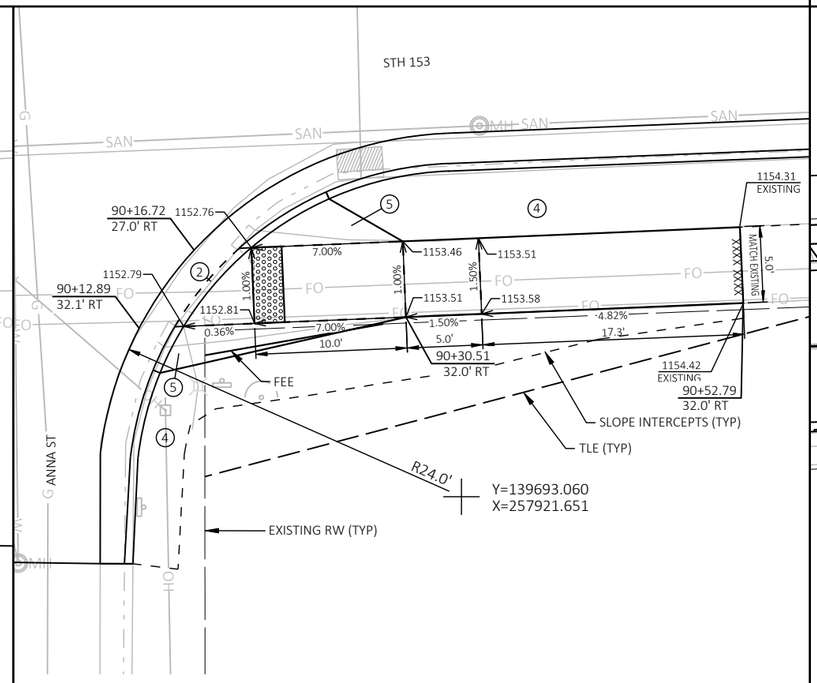
←	DIRECTION OF SLOPE (TYP)
. XXXX .	SAWCUT REQ'D (SAWCUTS TO BE AT NEAREST EXISTING JOINT)
	DETECTABLE WARNING FIELD
+XX.XX / +XX.X' LT/RT	STATION, OFFSET
(1)	10:1 MAX FLARE. 2" MIN. CURB HEIGHT
(2)	GUTTER CROSS SLOPE AT CURB RAMP 4% CURB HEAD OPENING SLOPE 1.5% MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK
(3)	CONCRETE CURB, PEDESTRIAN
(4)	GRASS OR OTHER NON-WALKABLE SURFACE
(5)	6:1 MINIMUM GRADED FLARE
(6)	10:1 MINIMUM CONCRETE FLARE
	STAMPING COLORED CONCRETE (WISDOT RED)
(X)	CURB RAMP TYPE AS PER WISDOT SDD 8d5

NOTES:

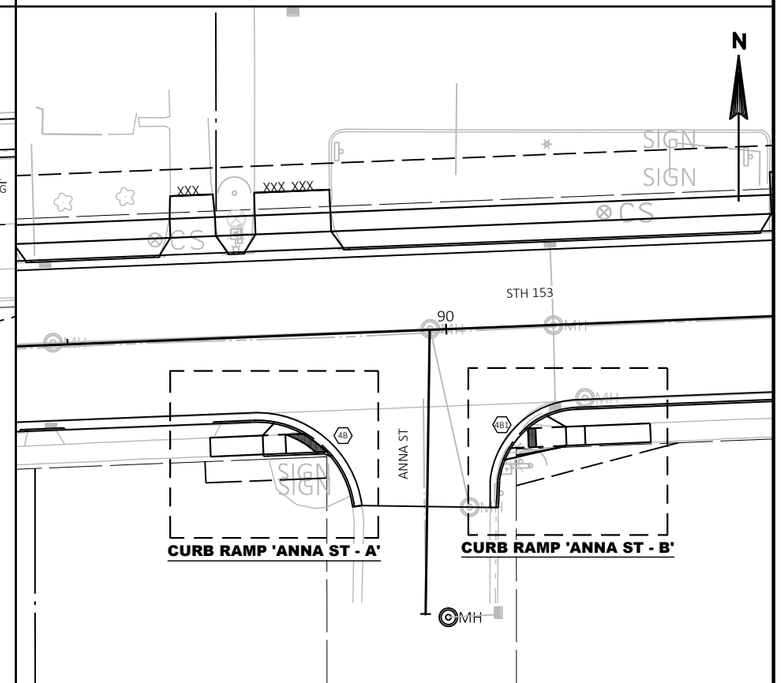
a. SALVAGE BRICK PAVERS THAT ARE REMOVED DURING CURB RAMP CONSTRUCTION



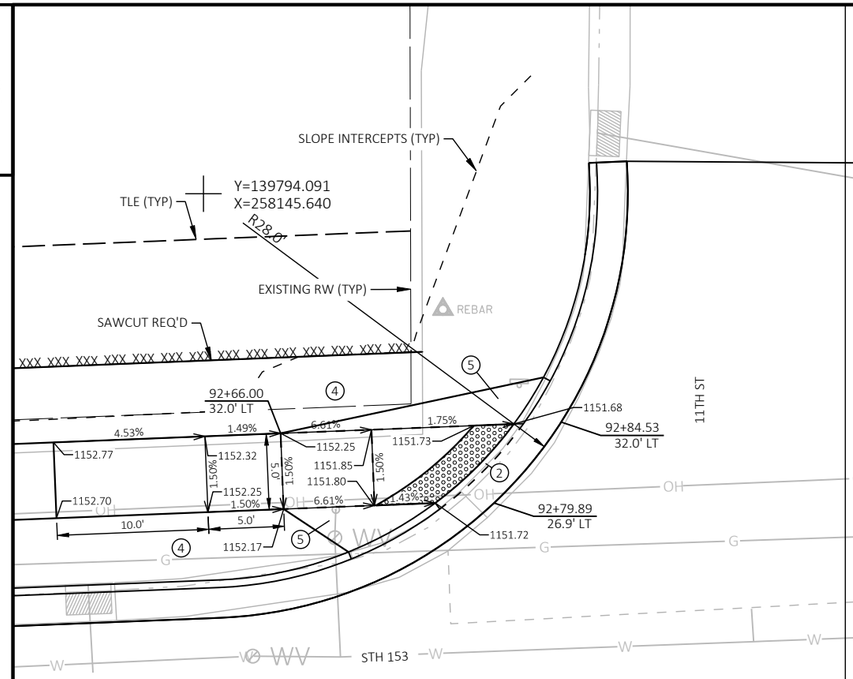
CURB RAMP 'ANNA ST - A'



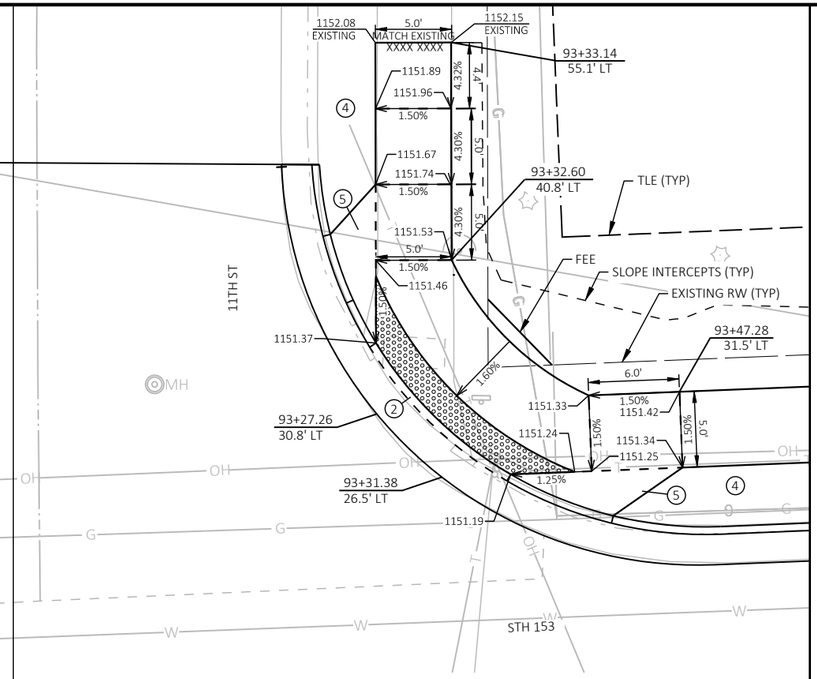
CURB RAMP 'ANNA ST - B'



PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CURB RAMPS: ANNA STREET	SHEET 22	E



CURB RAMP '11TH ST - A'



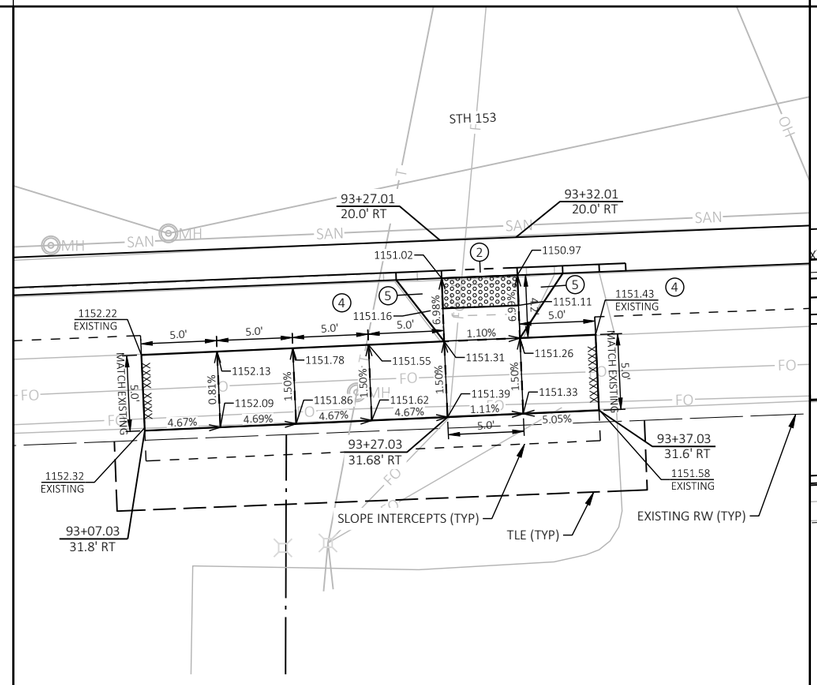
CURB RAMP '11TH ST - B'

LEGEND

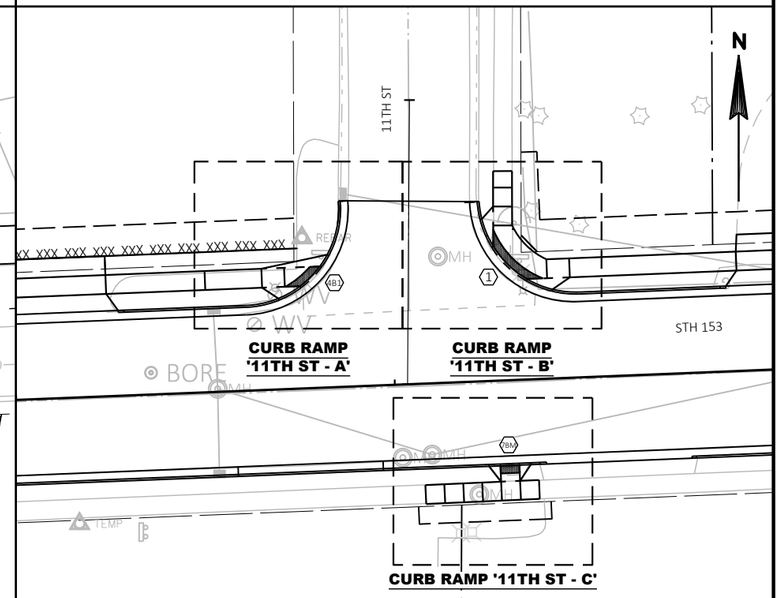
- DIRECTION OF SLOPE (TYP)
- XXXX — SAWCUT REQ'D (SAWCUTS TO BE AT NEAREST EXISTING JOINT)
- DETECTABLE WARNING FIELD
- +XX.XX / +XX.X' LT/RT — STATION, OFFSET
- (1) 10:1 MAX FLARE. 2" MIN. CURB HEIGHT
- (2) GUTTER CROSS SLOPE AT CURB RAMP 4%
  CURB HEAD OPENING SLOPE 1.5%
  MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK
- (3) CONCRETE CURB, PEDESTRIAN
- (4) GRASS OR OTHER NON-WALKABLE SURFACE
- (5) 6:1 MINIMUM GRADED FLARE
- (6) 10:1 MINIMUM CONCRETE FLARE
- STAMPING COLORED CONCRETE (WISDOT RED)
- (X) CURB RAMP TYPE AS PER WISDOT SDD 8d5

NOTES:

a. SALVAGE BRICK PAVERS THAT ARE REMOVED DURING CURB RAMP CONSTRUCTION



CURB RAMP '11TH ST - C'



CURB RAMP '11TH ST - C'

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CURB RAMPS: 11TH STREET	SHEET 23	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\021102_ID_CURB RAMPS_RANGELINE TO 5TH.DWG
LAYOUT NAME - 021131_id_11th

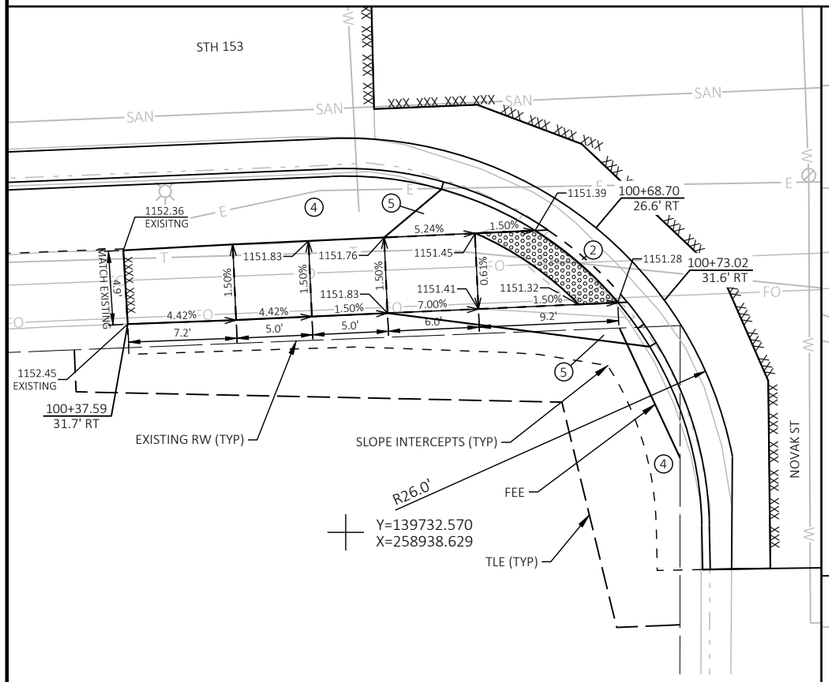
PLOT DATE : 7/12/2021 2:39 PM PLOT BY : CORY IHDE PLOT NAME : PLOT SCALE : 1 IN:60 FT

LEGEND

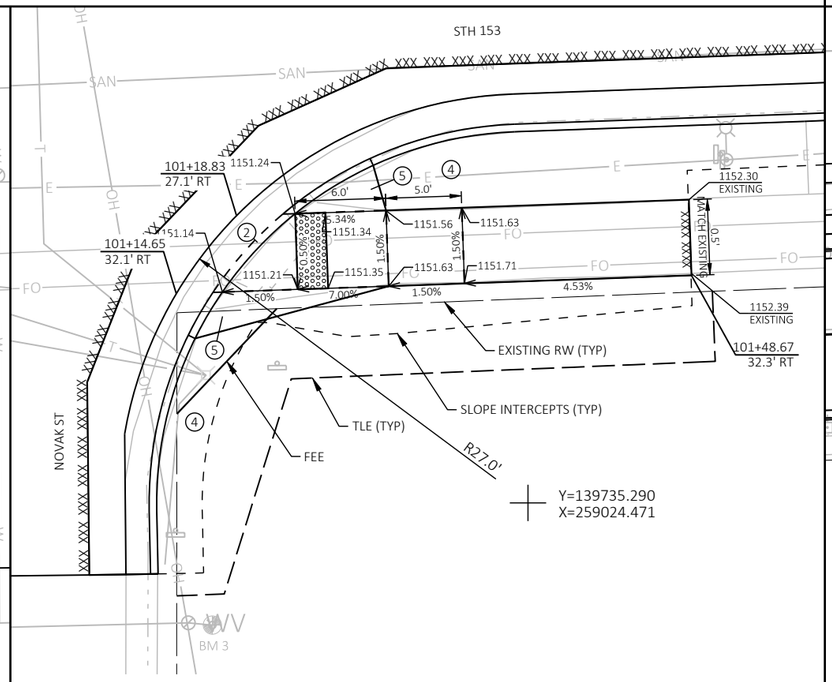
←	DIRECTION OF SLOPE (TYP)
. XXXX .	SAWCUT REQ'D (SAWCUTS TO BE AT NEAREST EXISTING JOINT)
	DETECTABLE WARNING FIELD
+XX.XX / +XX.X' LT/RT	STATION, OFFSET
(1)	10:1 MAX FLARE. 2" MIN. CURB HEIGHT
(2)	GUTTER CROSS SLOPE AT CURB RAMP 4% CURB HEAD OPENING SLOPE 1.5% MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK
(3)	CONCRETE CURB, PEDESTRIAN
(4)	GRASS OR OTHER NON-WALKABLE SURFACE
(5)	6:1 MINIMUM GRADED FLARE
(6)	10:1 MINIMUM CONCRETE FLARE
	STAMPING COLORED CONCRETE (WISDOT RED)
(X)	CURB RAMP TYPE AS PER WISDOT SDD 8d5

NOTES:

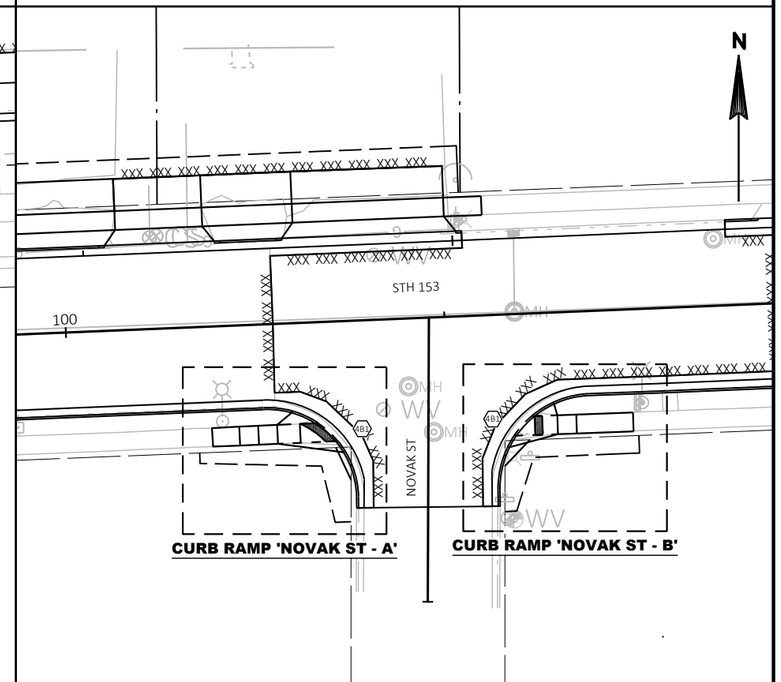
a. SALVAGE BRICK PAVERS THAT ARE REMOVED DURING CURB RAMP CONSTRUCTION



CURB RAMP 'NOVAK ST - A'



CURB RAMP 'NOVAK ST - B'



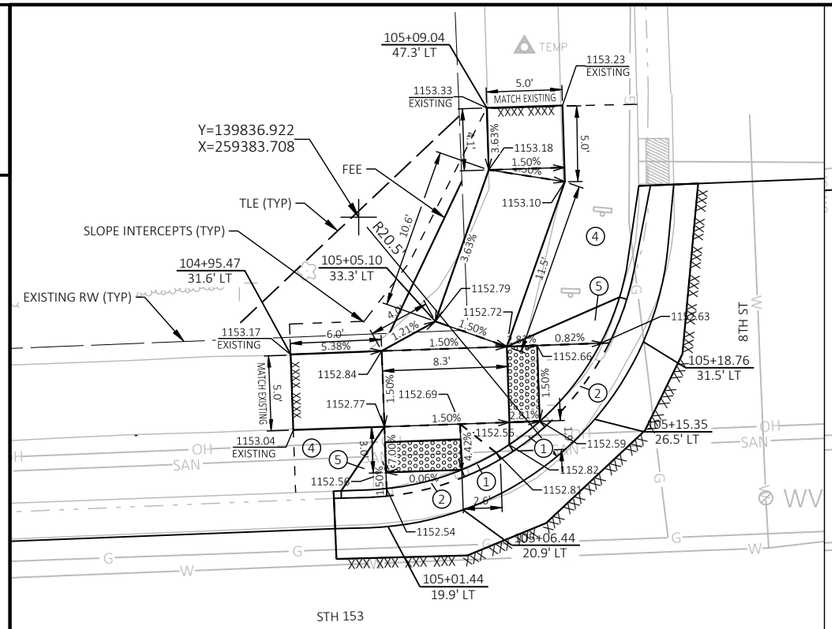
CURB RAMP 'NOVAK ST - A'

CURB RAMP 'NOVAK ST - B'

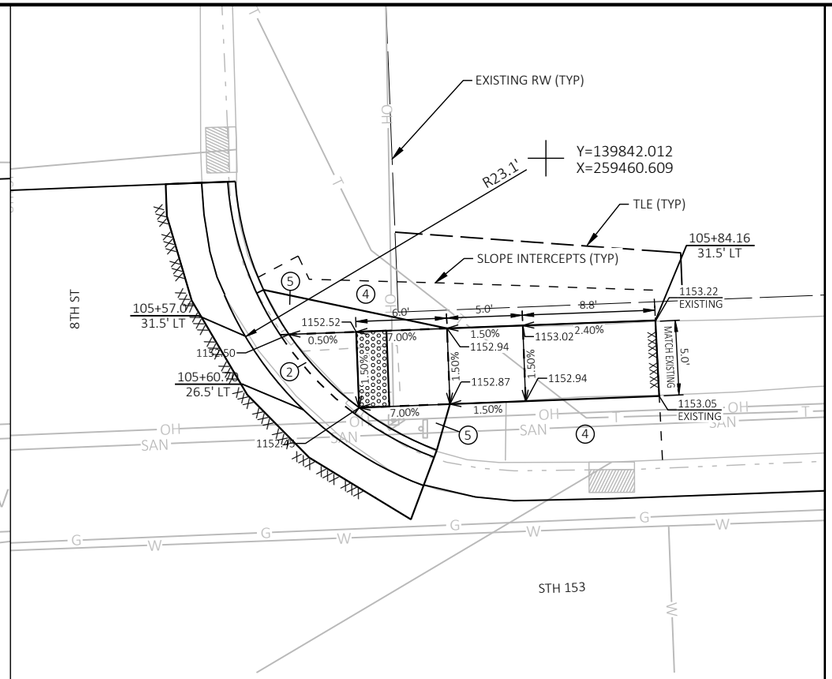
PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CURB RAMPS: NOVAK STREET	SHEET 24 E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\021102_ID_CURB RAMPS_RANGELINE TO 5TH.DWG
LAYOUT NAME - 021132_id_novak

PLOT DATE : 7/12/2021 2:40 PM PLOT BY : CORY IHDE PLOT NAME : PLOT SCALE : 1 IN:60 FT



CURB RAMP '8TH ST - A'



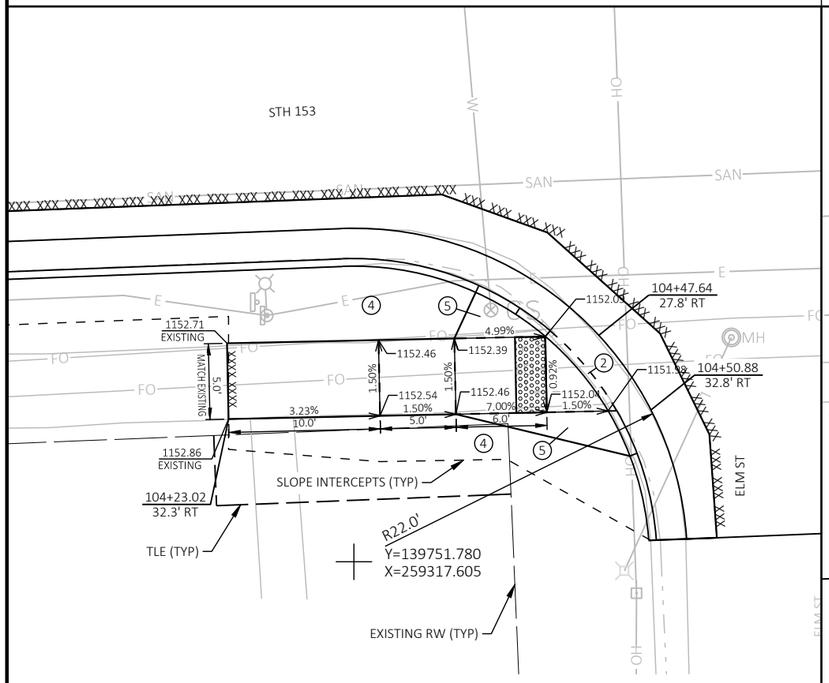
CURB RAMP '8TH ST - B'

LEGEND

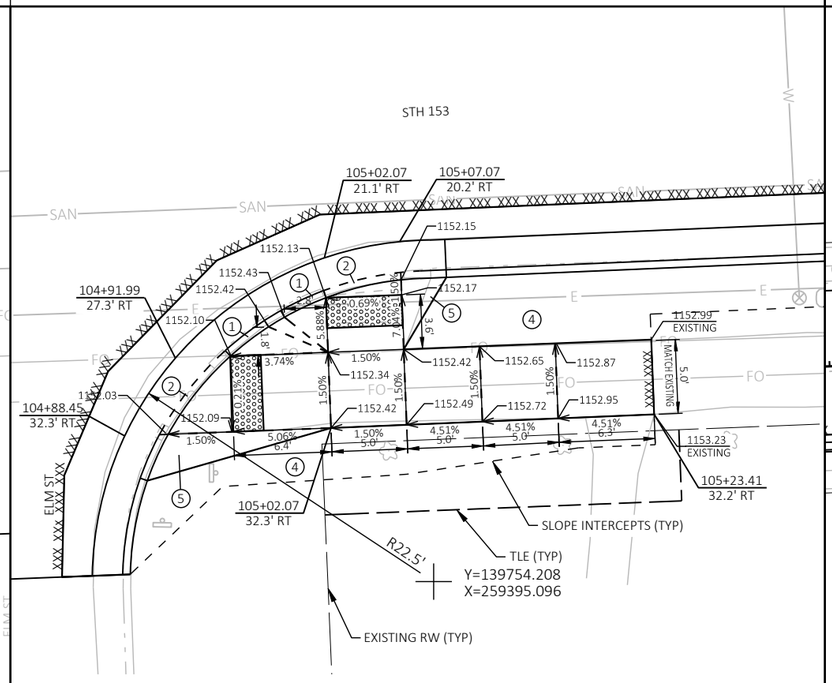
- DIRECTION OF SLOPE (TYP)
- .XXXX. SAWCUT REQ'D (SAWCUTS TO BE AT NEAREST EXISTING JOINT)
- DETECTABLE WARNING FIELD
- +XX.XX / +XX.X' LT/RT — STATION, OFFSET
- (1) 10:1 MAX FLARE. 2" MIN. CURB HEIGHT
- (2) GUTTER CROSS SLOPE AT CURB RAMP 4% CURB HEAD OPENING SLOPE 1.5% MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK
- (3) CONCRETE CURB, PEDESTRIAN
- (4) GRASS OR OTHER NON-WALKABLE SURFACE
- (5) 6:1 MINIMUM GRADED FLARE
- (6) 10:1 MINIMUM CONCRETE FLARE
- STAMPING COLORED CONCRETE (WISDOT RED)
- (X) CURB RAMP TYPE AS PER WISDOT SDD 8d5

NOTES:

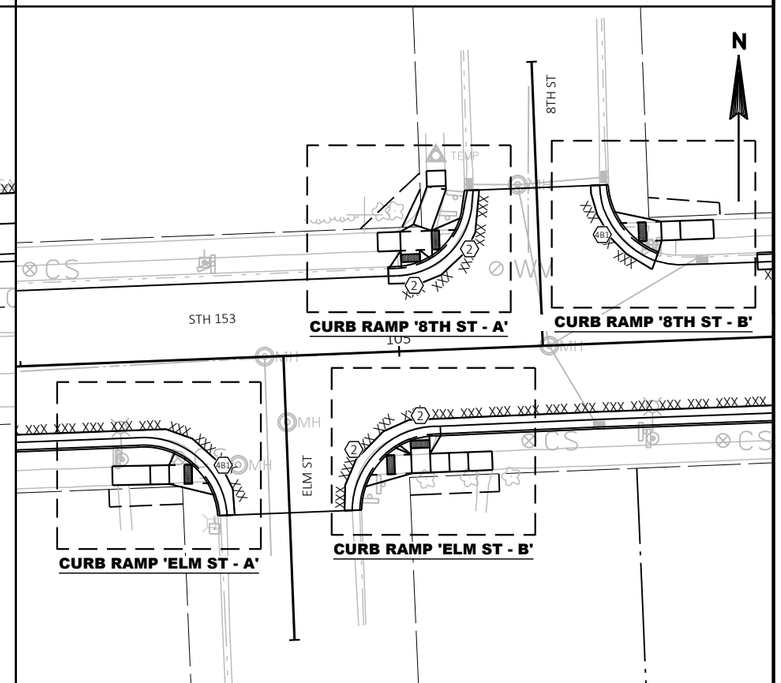
a. SALVAGE BRICK PAVERS THAT ARE REMOVED DURING CURB RAMP CONSTRUCTION



CURB RAMP 'ELM ST - A'



CURB RAMP 'ELM ST - B'



PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CURB RAMPS: ELM STREET & 8TH STREET	SHEET 25	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\021102_ID_CURB RAMPS_RANGELINE TO 5TH.DWG
LAYOUT NAME - 021133_id_elm

PLOT DATE : 7/12/2021 2:40 PM PLOT BY : CORY IHDE PLOT NAME : PLOT SCALE : 1 IN:60 FT

WISDOT/CADDS SHEET 44

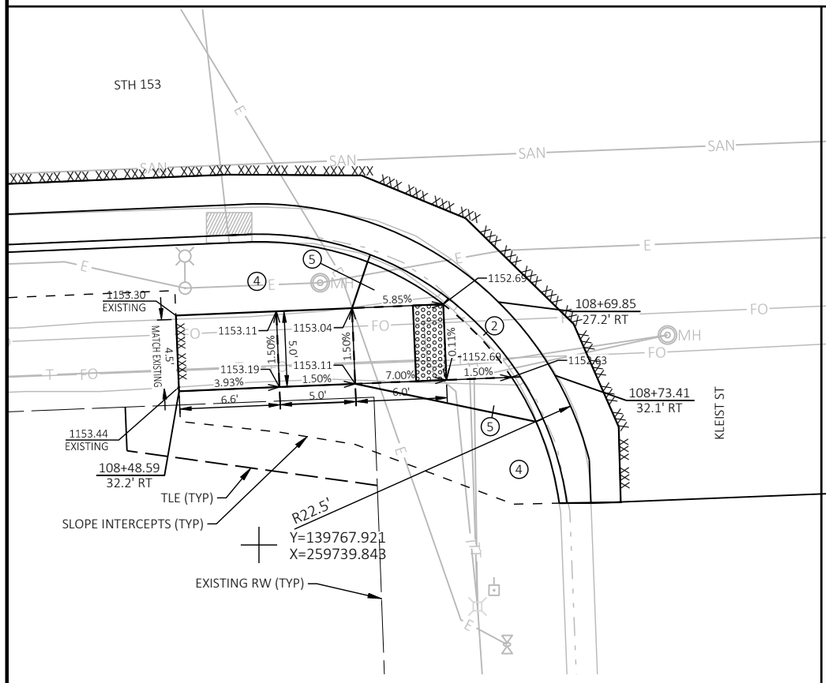
2

LEGEND

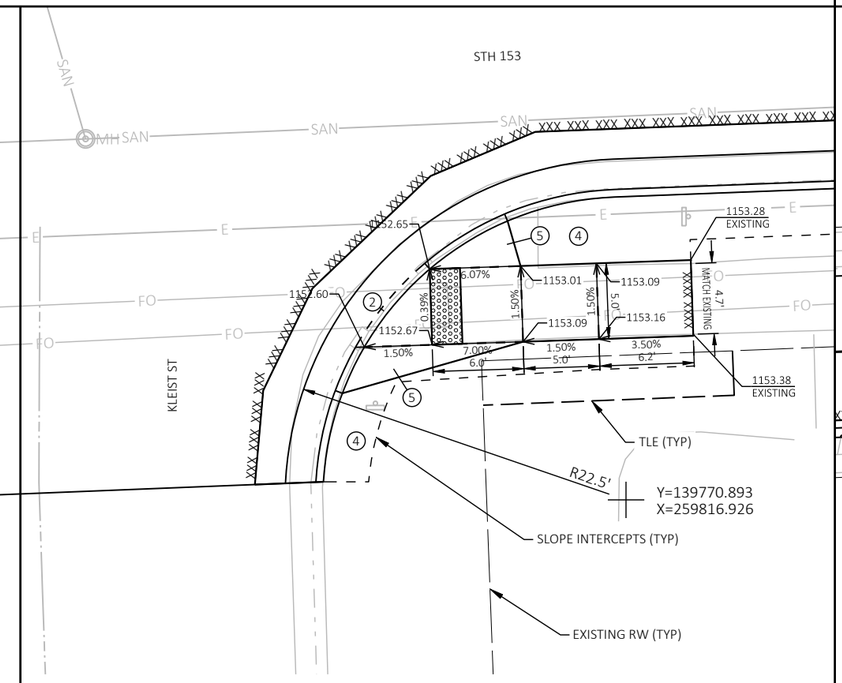
←	DIRECTION OF SLOPE (TYP)
. XXXX .	SAWCUT REQ'D (SAWCUTS TO BE AT NEAREST EXISTING JOINT)
	DETECTABLE WARNING FIELD
+XX.XX / +XX.X' LT/RT	STATION, OFFSET
(1)	10:1 MAX FLARE. 2" MIN. CURB HEIGHT
(2)	GUTTER CROSS SLOPE AT CURB RAMP 4% CURB HEAD OPENING SLOPE 1.5% MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK
(3)	CONCRETE CURB, PEDESTRIAN
(4)	GRASS OR OTHER NON-WALKABLE SURFACE
(5)	6:1 MINIMUM GRADED FLARE
(6)	10:1 MINIMUM CONCRETE FLARE
	STAMPING COLORED CONCRETE (WISDOT RED)
(X)	CURB RAMP TYPE AS PER WISDOT SDD 8d5

NOTES:

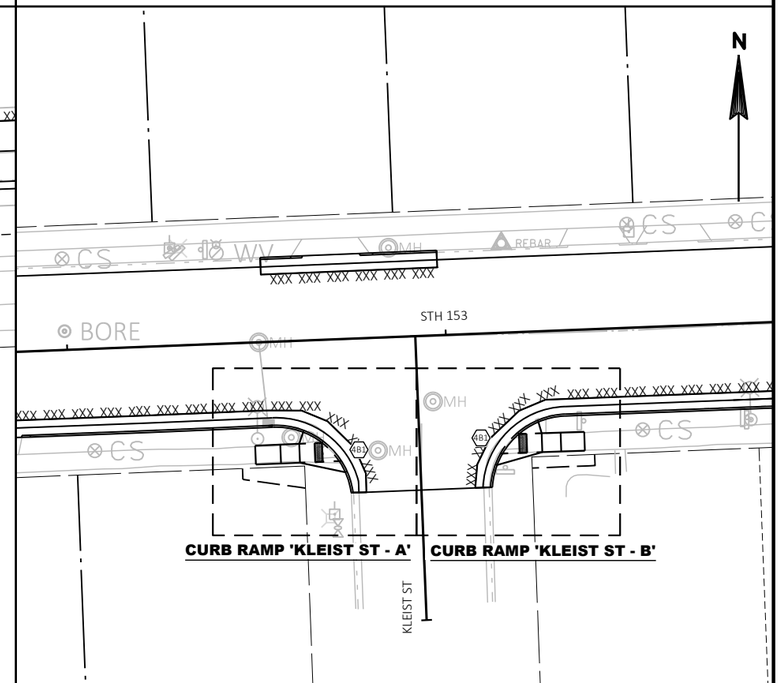
a. SALVAGE BRICK PAVERS THAT ARE REMOVED DURING CURB RAMP CONSTRUCTION



CURB RAMP 'KLEIST ST - A'



CURB RAMP 'KLEIST ST - B'



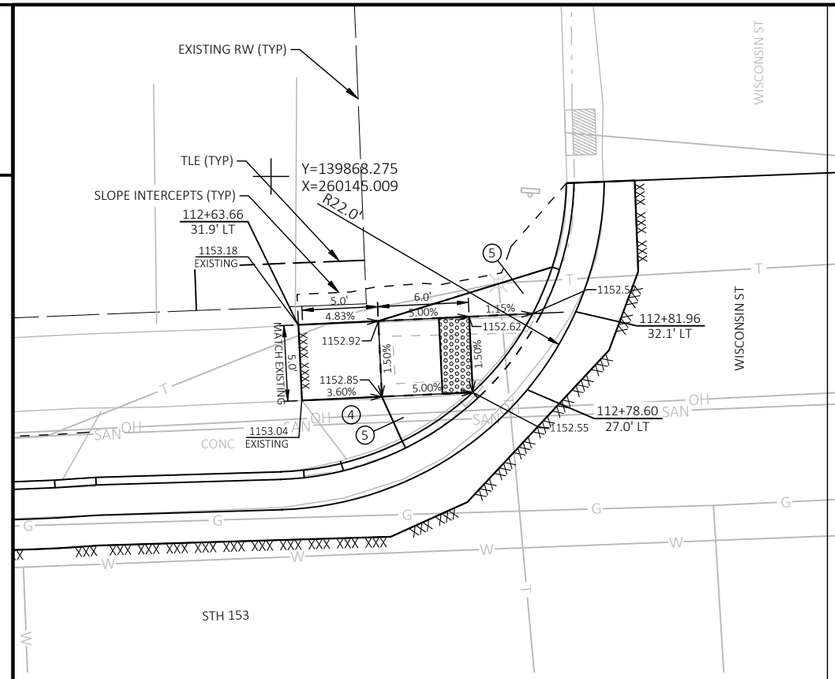
CURB RAMP 'KLEIST ST - A' **CURB RAMP 'KLEIST ST - B'**

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CURB RAMPS: KLEIST STREET	SHEET 26	E

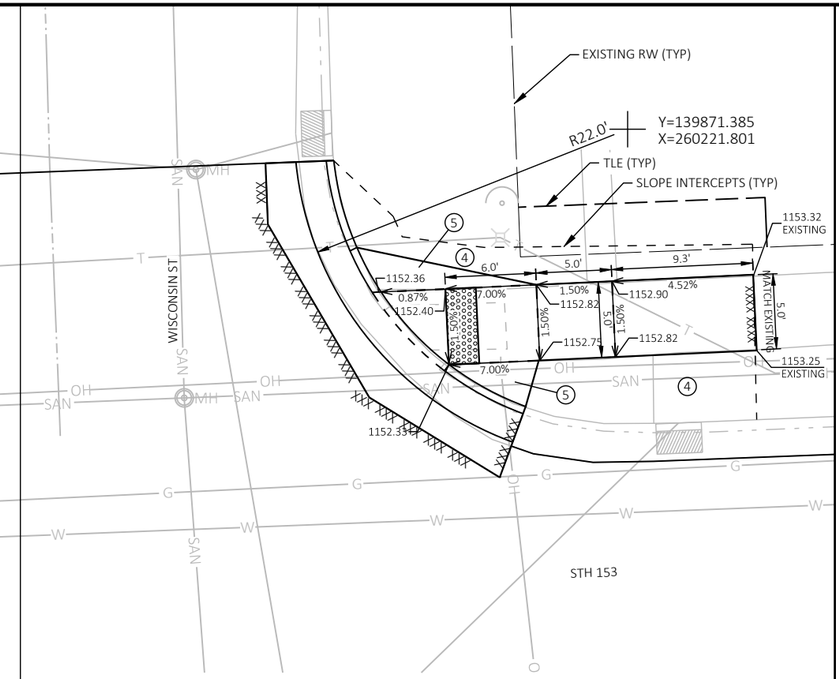
FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\021102_ID_CURB RAMPS_RANGELINE TO 5TH.DWG
LAYOUT NAME - 021134_id_klst

PLOT DATE : 7/12/2021 2:41 PM PLOT BY : CORY IHDE PLOT NAME : PLOT SCALE : 1 IN:60 FT

WISDOT/CADDS SHEET 44



CURB RAMP 'WISCONSIN ST - A'



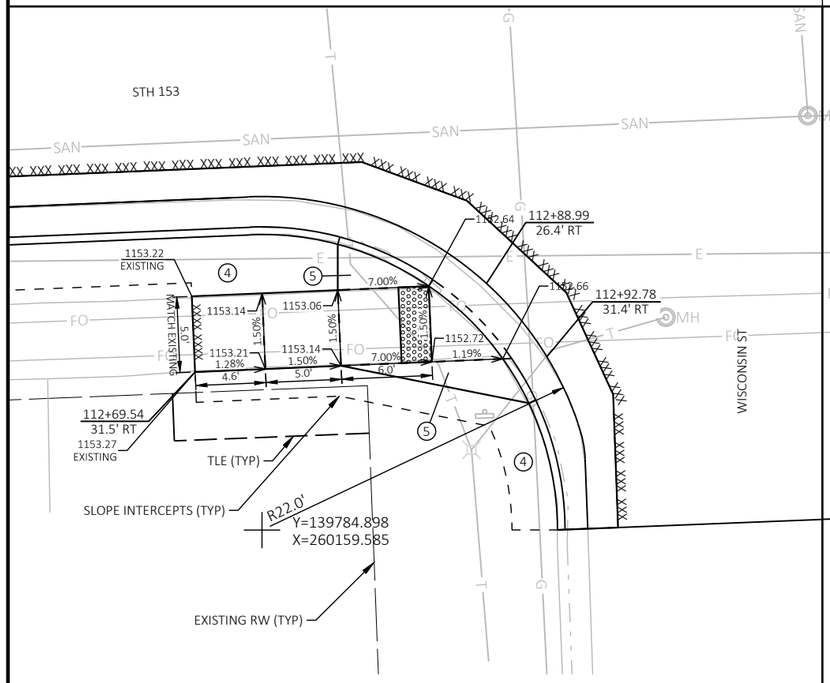
CURB RAMP 'WISCONSIN ST - B'

LEGEND

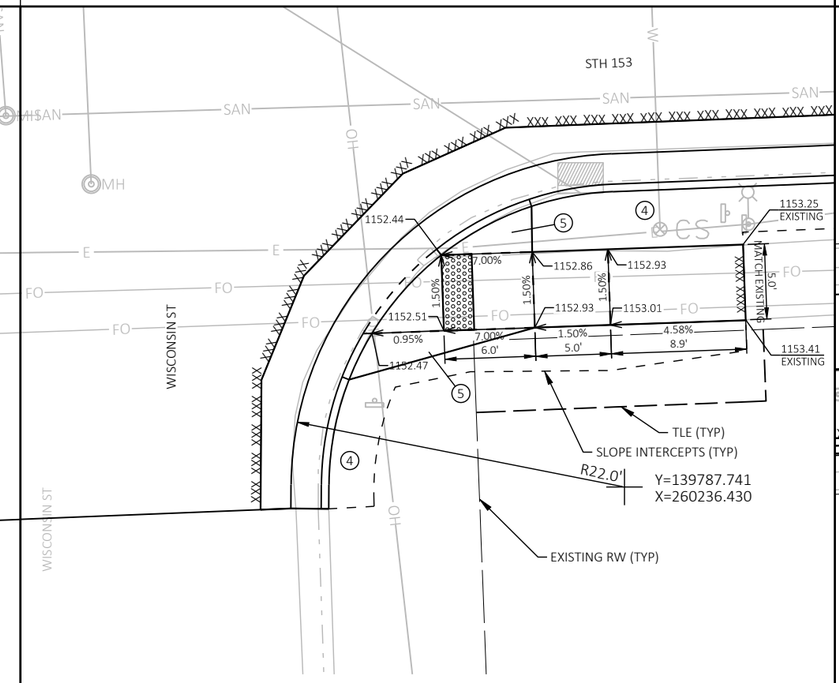
- DIRECTION OF SLOPE (TYP)
- .XXXX. SAWCUT REQ'D (SAWCUTS TO BE AT NEAREST EXISTING JOINT)
- DETECTABLE WARNING FIELD
- +XX.XX / +XX.X' LT/RT STATION, OFFSET
- (1) 10:1 MAX FLARE. 2" MIN. CURB HEIGHT
- (2) GUTTER CROSS SLOPE AT CURB RAMP 4%
  CURB HEAD OPENING SLOPE 1.5%
  MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK
- (3) CONCRETE CURB, PEDESTRIAN
- (4) GRASS OR OTHER NON-WALKABLE SURFACE
- (5) 6:1 MINIMUM GRADED FLARE
- (6) 10:1 MINIMUM CONCRETE FLARE
- STAMPING COLORED CONCRETE (WISDOT RED)
- (X) CURB RAMP TYPE AS PER WISDOT SDD 8d5

NOTES:

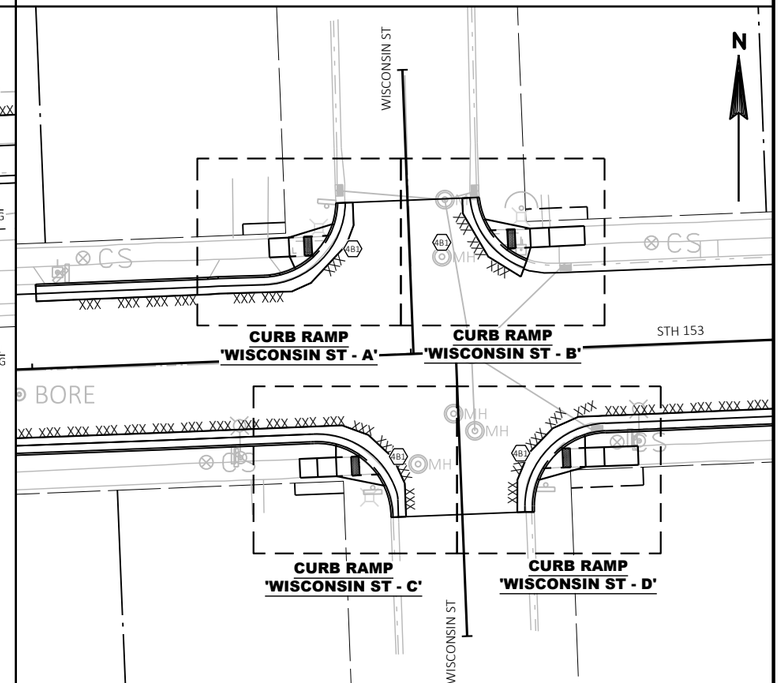
a. SALVAGE BRICK PAVERS THAT ARE REMOVED DURING CURB RAMP CONSTRUCTION



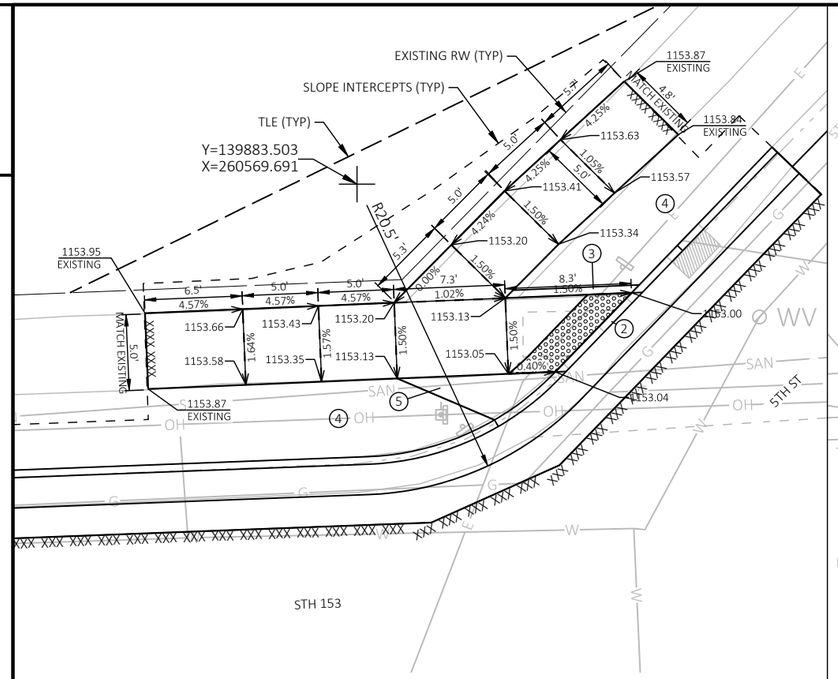
CURB RAMP 'WISCONSIN ST - C'



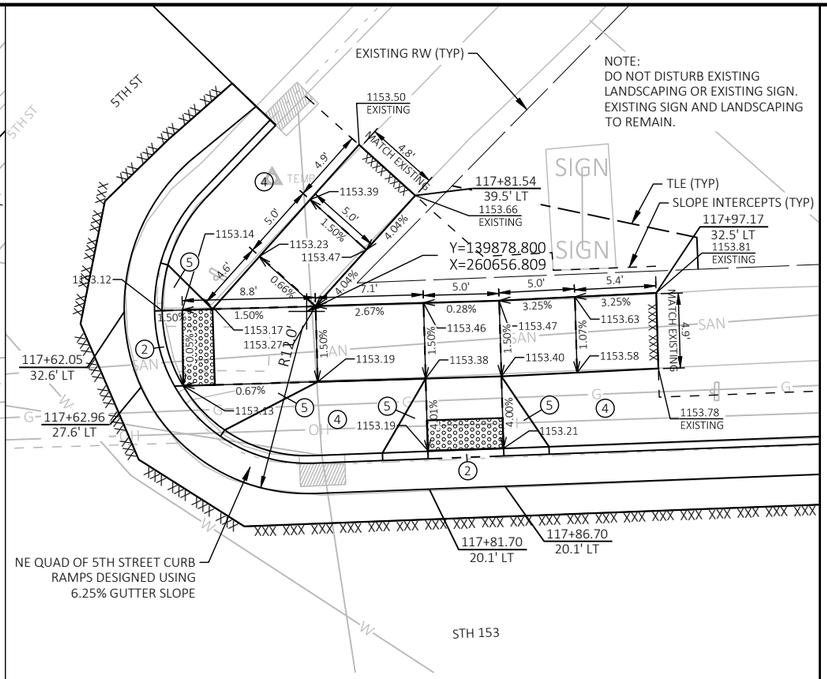
CURB RAMP 'WISCONSIN ST - D'



PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CURB RAMPS: WISCONSIN STREET	SHEET 27	E



CURB RAMP '5TH ST - A'



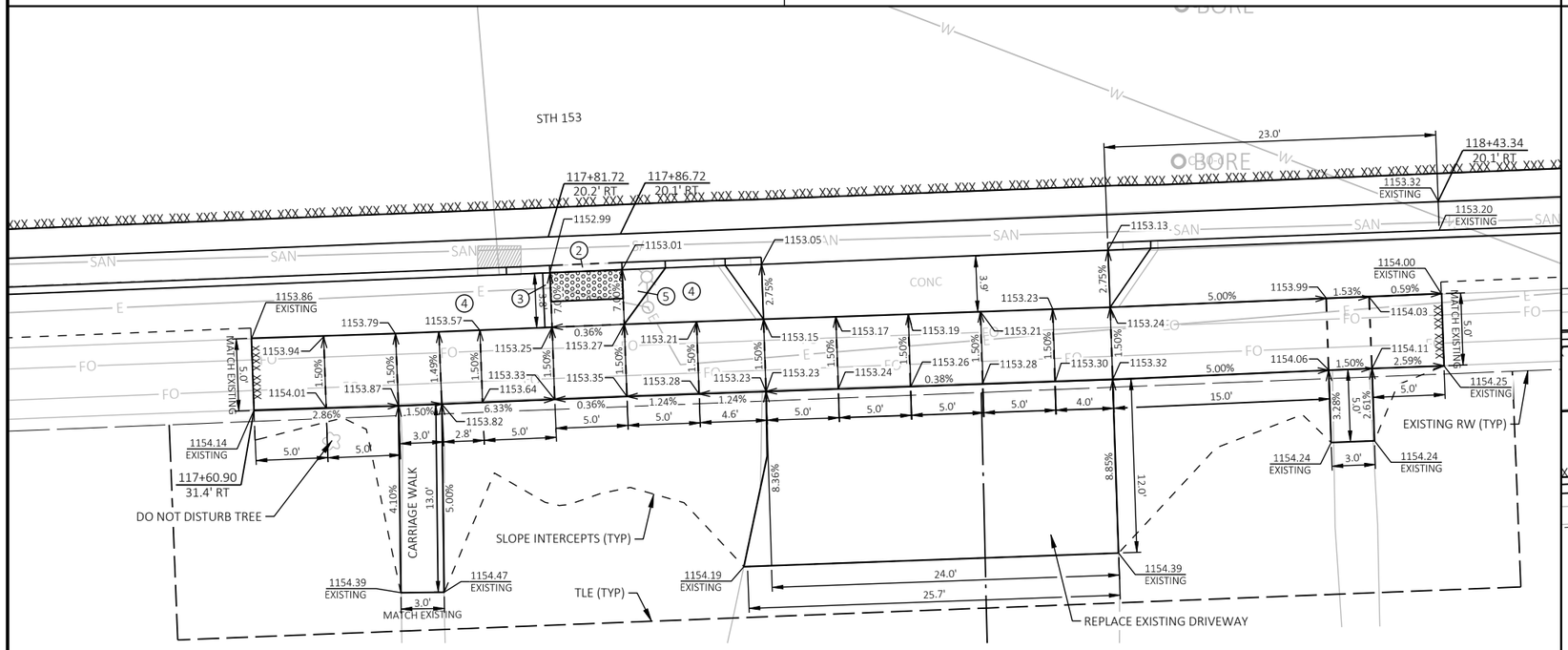
CURB RAMP '5TH ST - B'

LEGEND

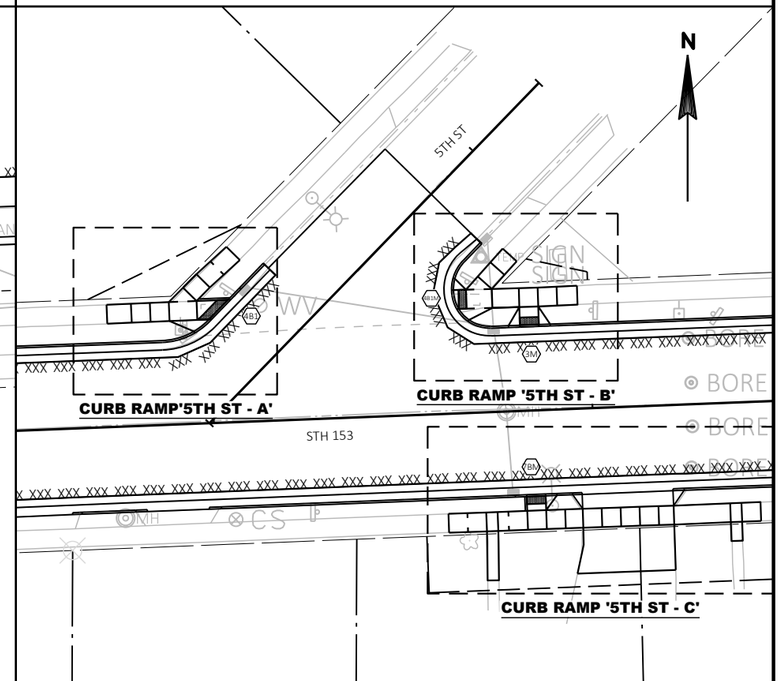
- DIRECTION OF SLOPE (TYP)
- .XXXX. SAWCUT REQ'D (SAWCUTS TO BE AT NEAREST EXISTING JOINT)
- DETECTABLE WARNING FIELD
- +XX.XX / +XX.X' LT/RT — STATION, OFFSET
- (1) 10:1 MAX FLARE. 2" MIN. CURB HEIGHT
- (2) GUTTER CROSS SLOPE AT CURB RAMP 4% CURB HEAD OPENING SLOPE 1.5% MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK
- (3) CONCRETE CURB, PEDESTRIAN
- (4) GRASS OR OTHER NON-WALKABLE SURFACE
- (5) 6:1 MINIMUM GRADED FLARE
- (6) 10:1 MINIMUM CONCRETE FLARE
- STAMPING COLORED CONCRETE (WISDOT RED)
- (X) CURB RAMP TYPE AS PER WISDOT SDD 8d5

NOTES:

a. SALVAGE BRICK PAVERS THAT ARE REMOVED DURING CURB RAMP CONSTRUCTION



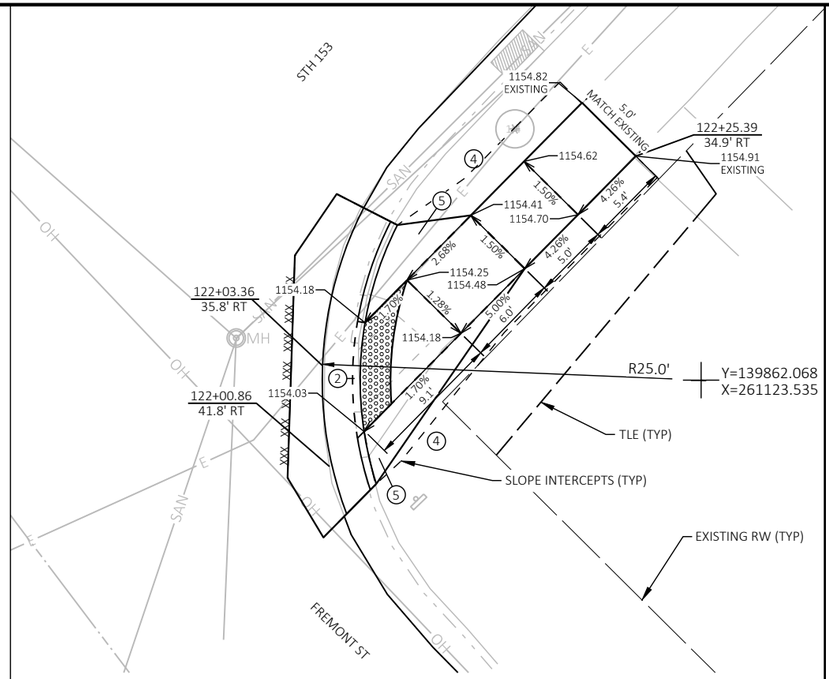
CURB RAMP '5TH ST - C'



PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CURB RAMPS: 5TH STREET	SHEET 28	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\021102_ID_CURB RAMPS_RANGELINE TO 5TH.DWG
LAYOUT NAME - 021136_id_5th

PLOT DATE : 7/12/2021 2:41 PM PLOT BY : CORY IHDE PLOT NAME : PLOT SCALE : 1 IN:60 FT



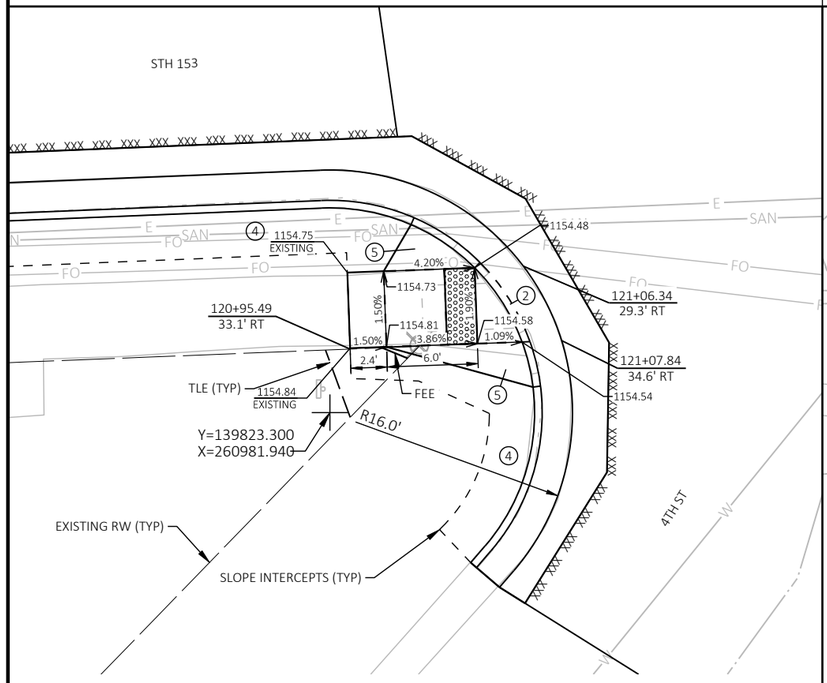
CURB RAMP 'FREMONT ST - C'

LEGEND

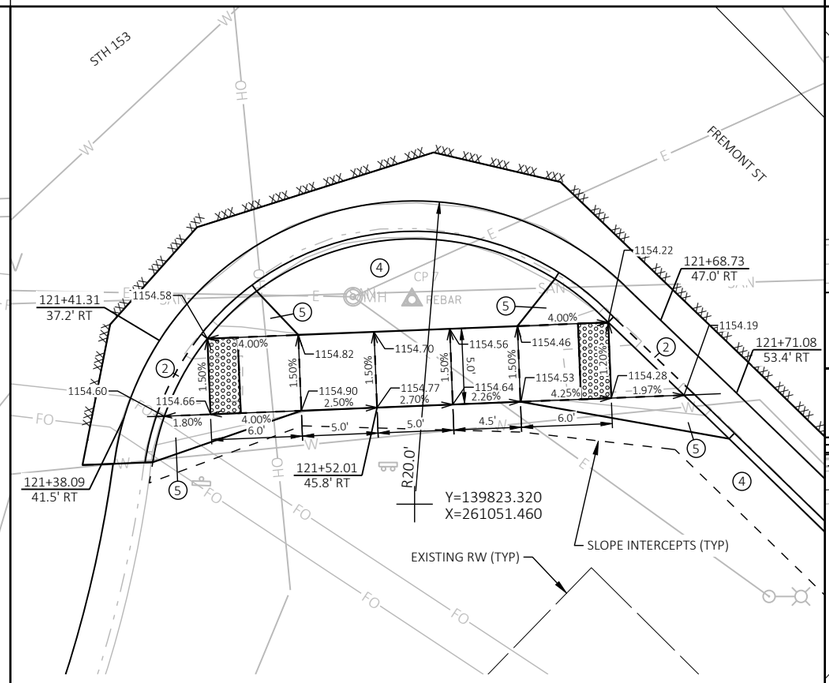
- DIRECTION OF SLOPE (TYP)
- XXX — SAWCUT REQ'D (SAWCUTS TO BE AT NEAREST EXISTING JOINT)
- DETECTABLE WARNING FIELD
- +XX.XX / +XX.X' LT/RT — STATION, OFFSET
- (1) 10:1 MAX FLARE. 2" MIN. CURB HEIGHT
- (2) GUTTER CROSS SLOPE AT CURB RAMP 4%
  CURB HEAD OPENING SLOPE 1.5%
  MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK
- (3) CONCRETE CURB, PEDESTRIAN
- (4) GRASS OR OTHER NON-WALKABLE SURFACE
- (5) 6:1 MINIMUM GRADED FLARE
- (6) 10:1 MINIMUM CONCRETE FLARE
- STAMPING COLORED CONCRETE (WISDOT RED)
- (X) CURB RAMP TYPE AS PER WISDOT SDD 8d5

NOTES:

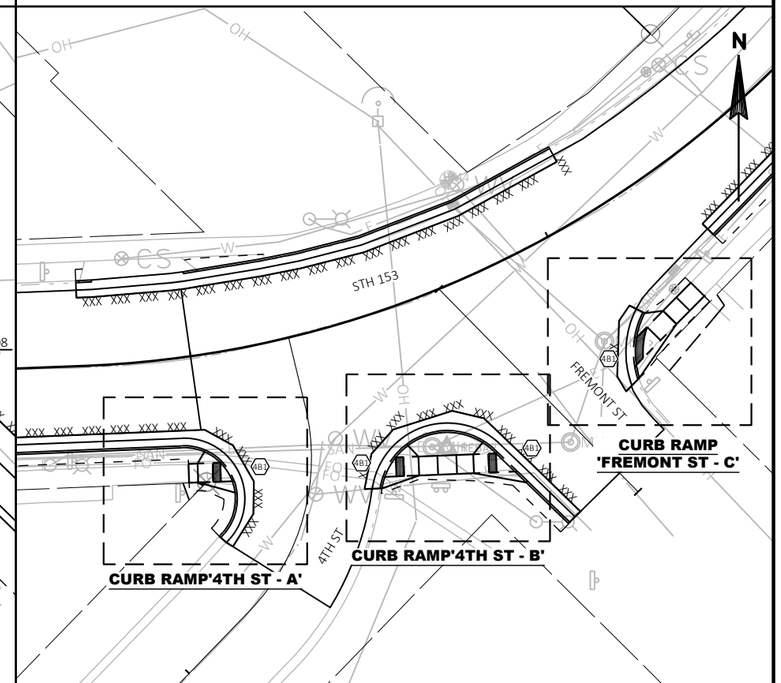
a. SALVAGE BRICK PAVERS THAT ARE REMOVED DURING CURB RAMP CONSTRUCTION



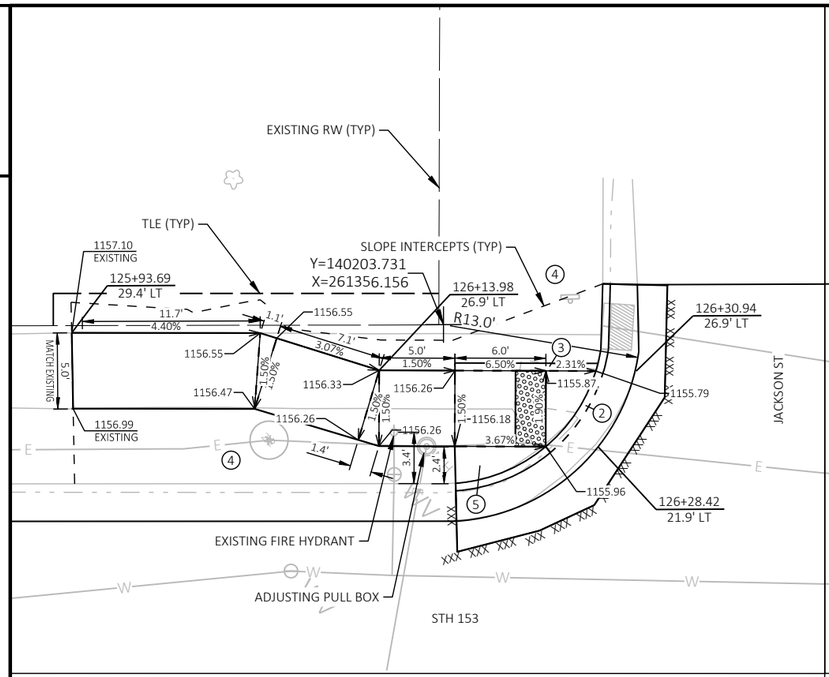
CURB RAMP '4TH ST - A'



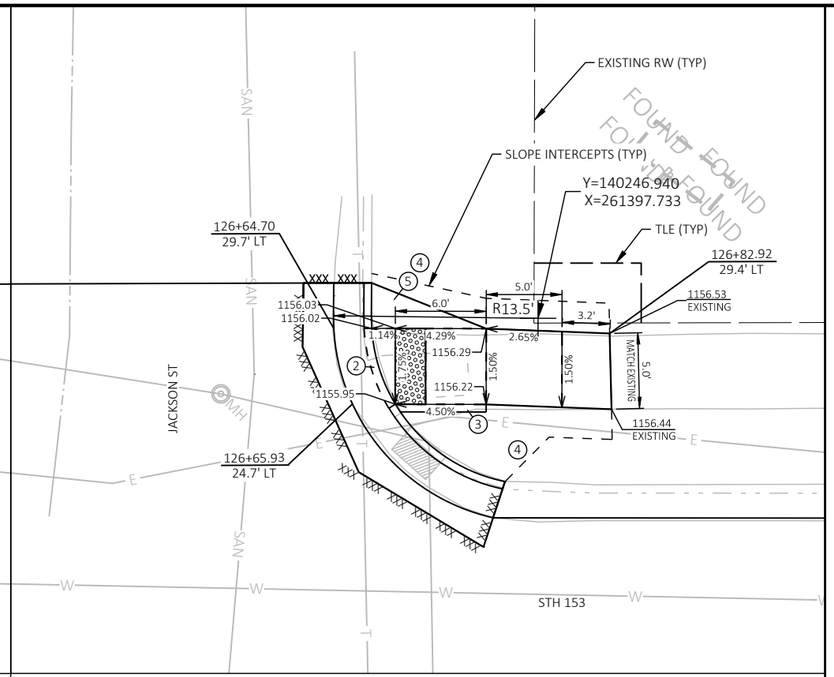
CURB RAMP '4TH ST - B'



PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CURB RAMPS: 4TH STREET & FREMONT STREET	SHEET 29	E



CURB RAMP 'JACKSON ST - A'



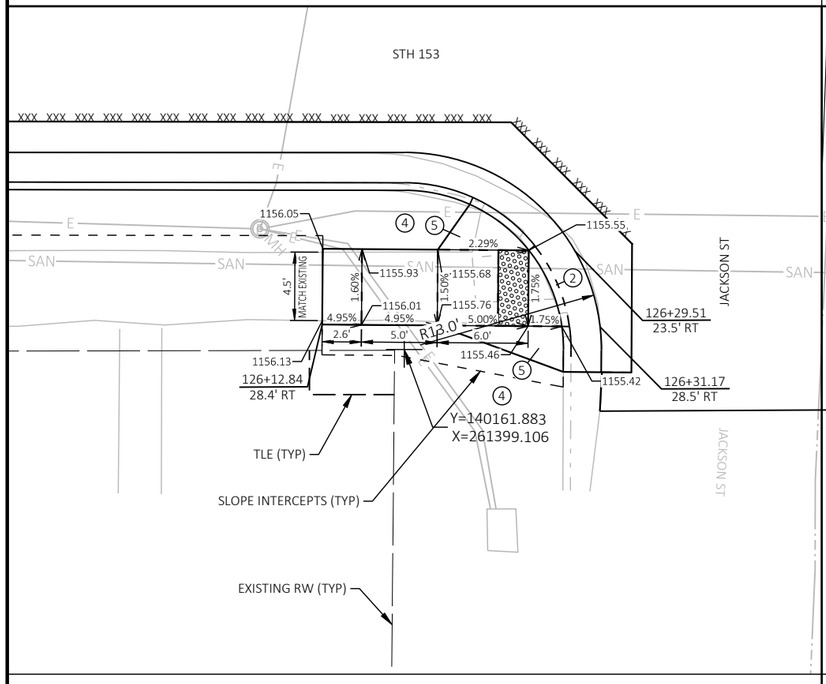
CURB RAMP 'JACKSON ST - B'

LEGEND

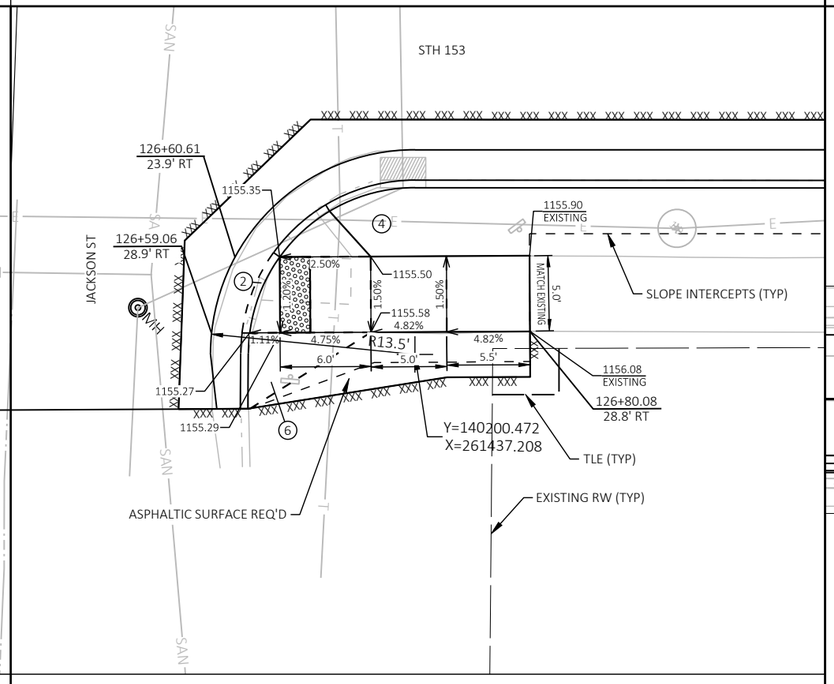
- DIRECTION OF SLOPE (TYP)
- XXX — SAWCUT REQ'D (SAWCUTS TO BE AT NEAREST EXISTING JOINT)
- DETECTABLE WARNING FIELD
- +XX.XX / +XX.X' LT/RT — STATION, OFFSET
- (1) 10:1 MAX FLARE. 2" MIN. CURB HEIGHT
- (2) GUTTER CROSS SLOPE AT CURB RAMP 4% CURB HEAD OPENING SLOPE 1.5% MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK
- (3) CONCRETE CURB, PEDESTRIAN
- (4) GRASS OR OTHER NON-WALKABLE SURFACE
- (5) 6:1 MINIMUM GRADED FLARE
- (6) 10:1 MINIMUM CONCRETE FLARE
- STAMPING COLORED CONCRETE (WISDOT RED)
- (X) CURB RAMP TYPE AS PER WISDOT SDD 8d5

NOTES:

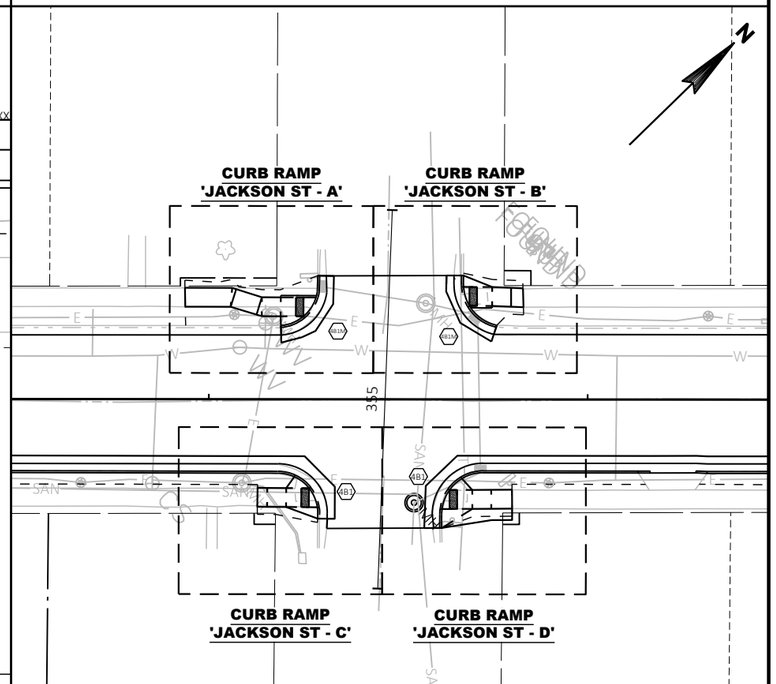
a. SALVAGE BRICK PAVERS THAT ARE REMOVED DURING CURB RAMP CONSTRUCTION



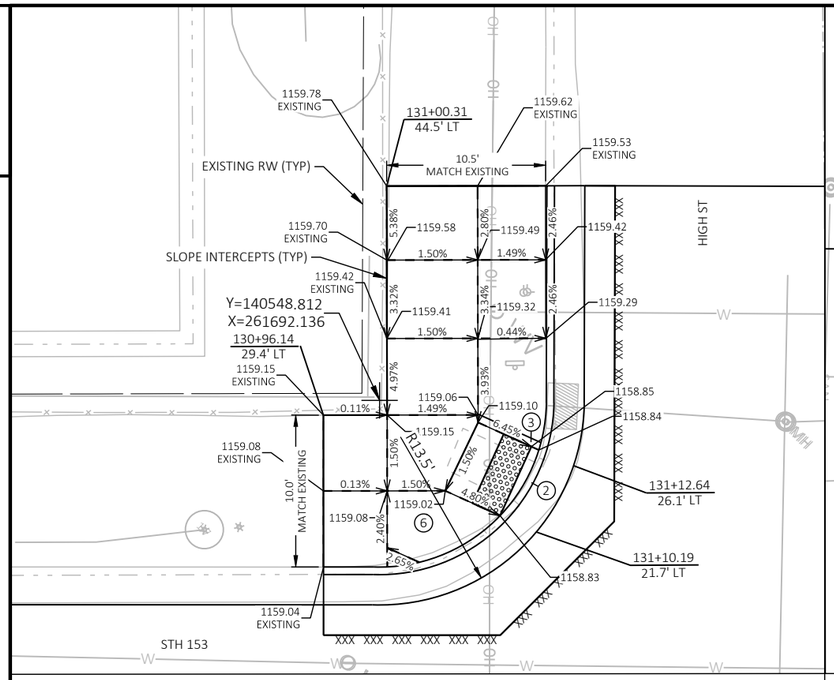
CURB RAMP 'JACKSON ST - C'



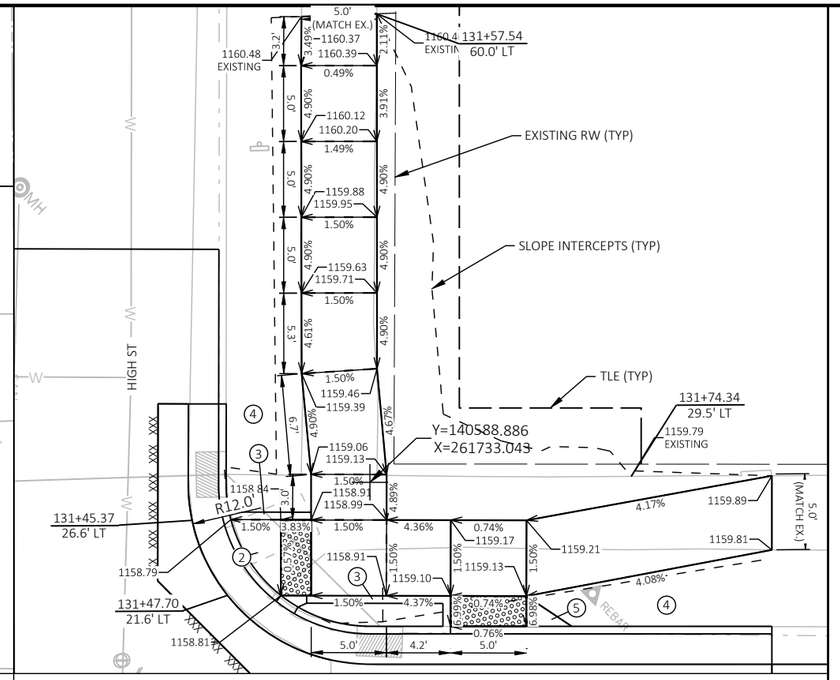
CURB RAMP 'JACKSON ST - D'



PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CURB RAMPS: JACKSON STREET	SHEET 30	E



CURB RAMP 'HIGH ST - A'



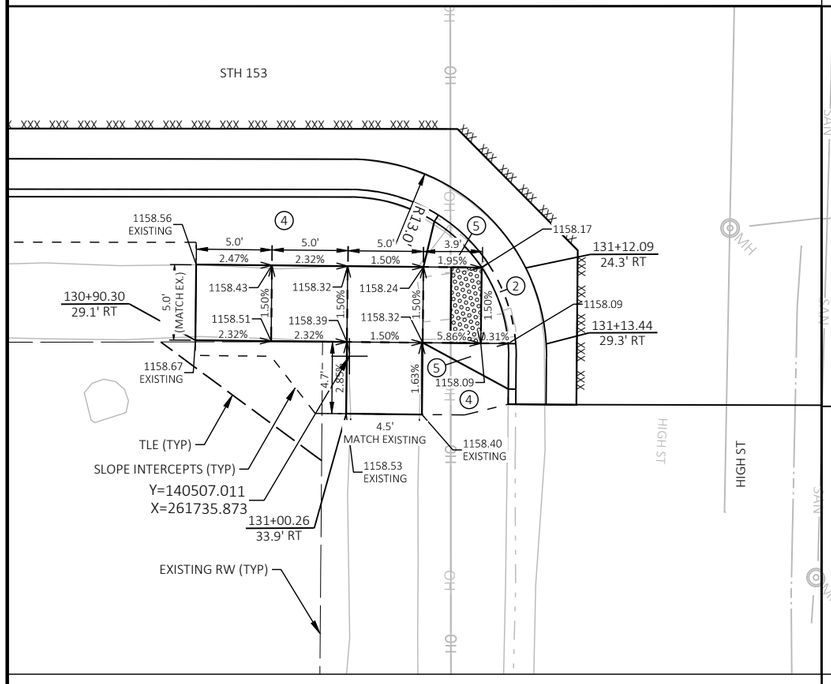
CURB RAMP 'HIGH ST - B'

LEGEND

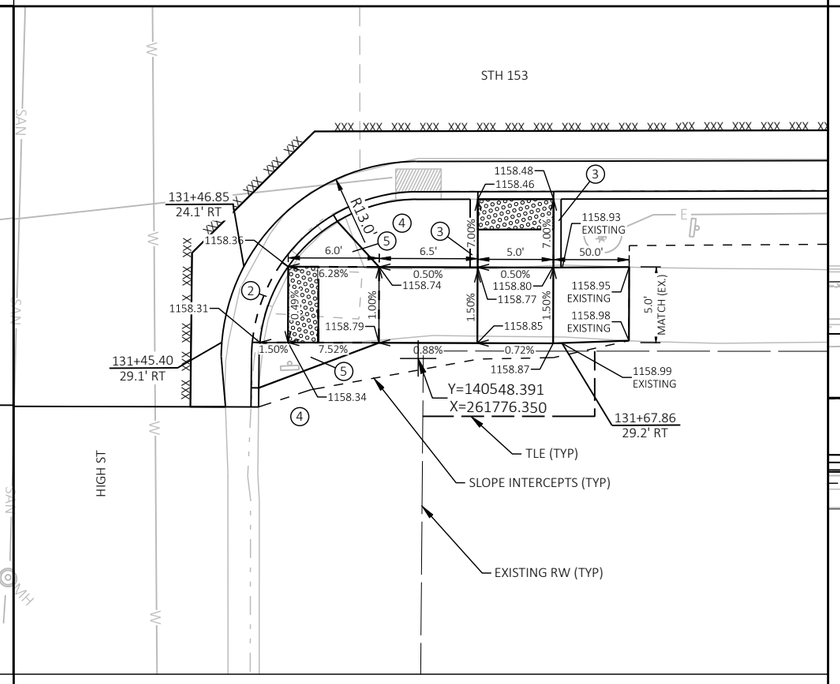
- DIRECTION OF SLOPE (TYP)
- XXX SAWCUT REQ'D (SAWCUTS TO BE AT NEAREST EXISTING JOINT)
- DETECTABLE WARNING FIELD
- +XX.XX / +XX.X' LT/RT STATION, OFFSET
- (1) 10:1 MAX FLARE. 2" MIN. CURB HEIGHT
- (2) GUTTER CROSS SLOPE AT CURB RAMP 4% CURB HEAD OPENING SLOPE 1.5% MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK
- (3) CONCRETE CURB, PEDESTRIAN
- (4) GRASS OR OTHER NON-WALKABLE SURFACE
- (5) 6:1 MINIMUM GRADED FLARE
- (6) 10:1 MINIMUM CONCRETE FLARE
- STAMPING COLORED CONCRETE (WISDOT RED)
- (X) CURB RAMP TYPE AS PER WISDOT SDD 8d5

NOTES:

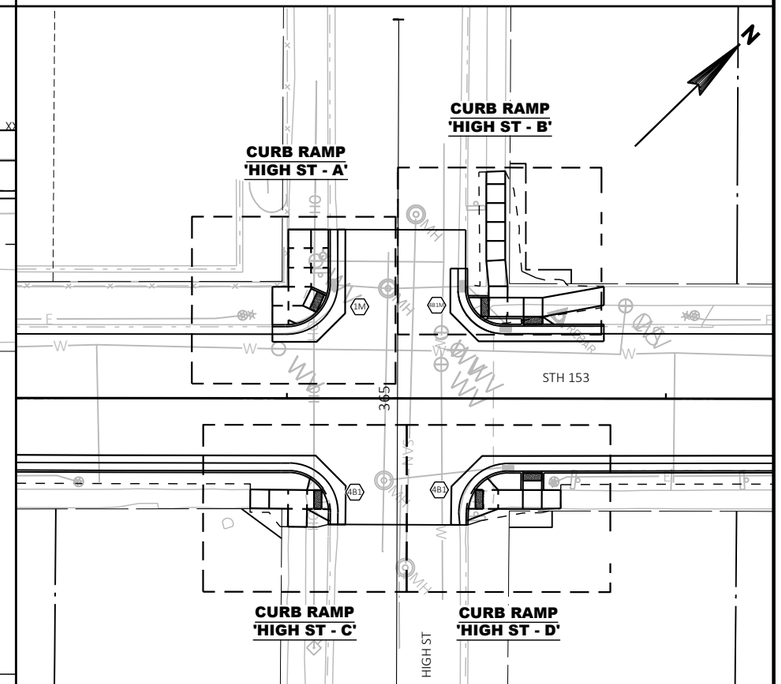
a. SALVAGE BRICK PAVERS THAT ARE REMOVED DURING CURB RAMP CONSTRUCTION



CURB RAMP 'HIGH ST - C'



CURB RAMP 'HIGH ST - D'

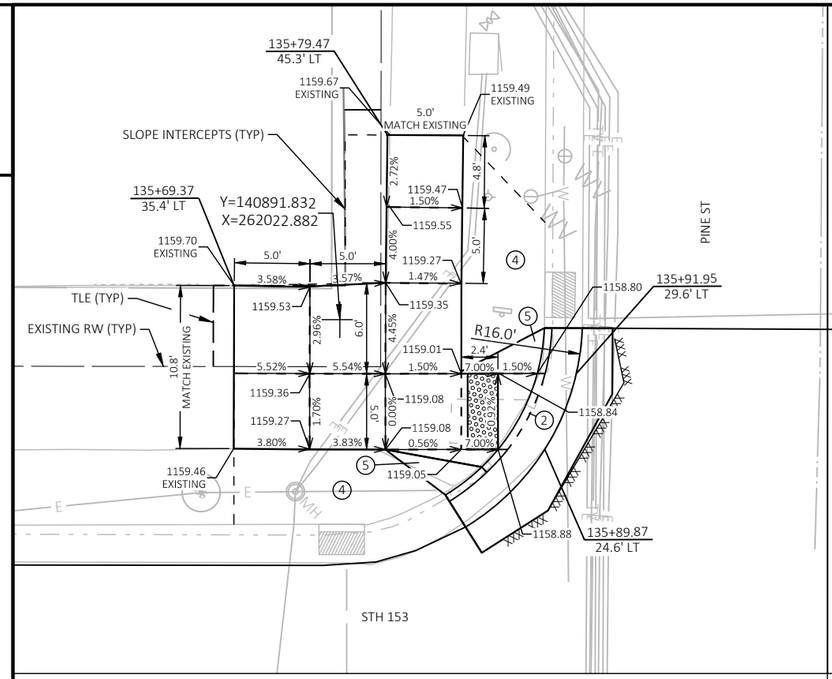


PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CURB RAMPS: HIGH STREET	SHEET 31	E

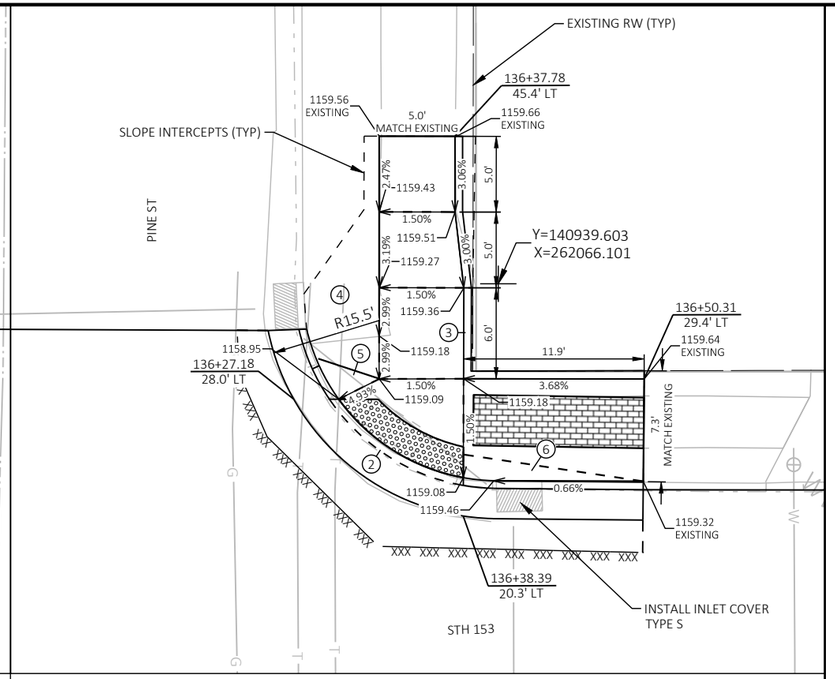
FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\021103_ID_CURB RAMPS_4TH TO 2ND.DWG
LAYOUT NAME - 021139_id_high

PLOT DATE : 7/12/2021 2:45 PM PLOT BY : CORY IHDE PLOT NAME : PLOT SCALE : 1 IN:60 FT

WISDOT/CADDS SHEET 44



CURB RAMP 'PINE ST - A'



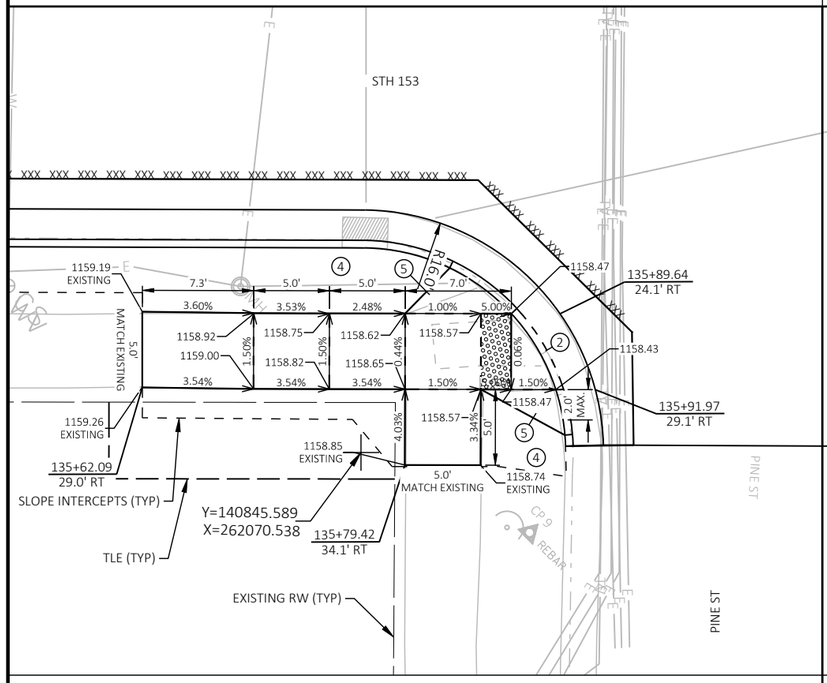
CURB RAMP 'PINE ST - B'

LEGEND

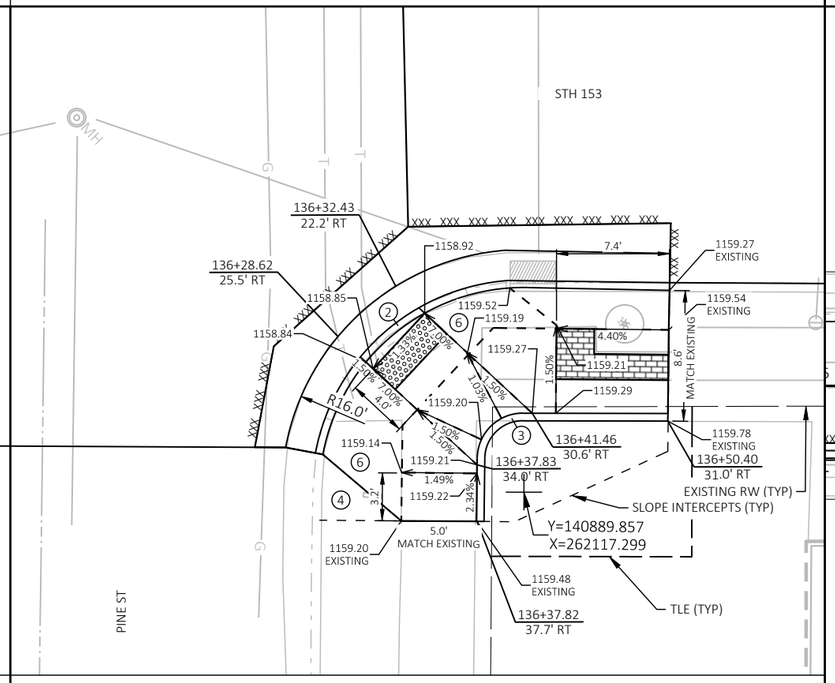
- DIRECTION OF SLOPE (TYP)
- .XXX. SAWCUT REQ'D (SAWCUTS TO BE AT NEAREST EXISTING JOINT)
- DETECTABLE WARNING FIELD
- +XX.XX / +XX.X' LT/RT STATION, OFFSET
- (1) 10:1 MAX FLARE. 2" MIN. CURB HEIGHT
- (2) GUTTER CROSS SLOPE AT CURB RAMP 4%
  CURB HEAD OPENING SLOPE 1.5%
  MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK
- (3) CONCRETE CURB, PEDESTRIAN
- (4) GRASS OR OTHER NON-WALKABLE SURFACE
- (5) 6:1 MINIMUM GRADED FLARE
- (6) 10:1 MINIMUM CONCRETE FLARE
- STAMPING COLORED CONCRETE (WISDOT RED)
- (X) CURB RAMP TYPE AS PER WISDOT SDD 8d5

NOTES:

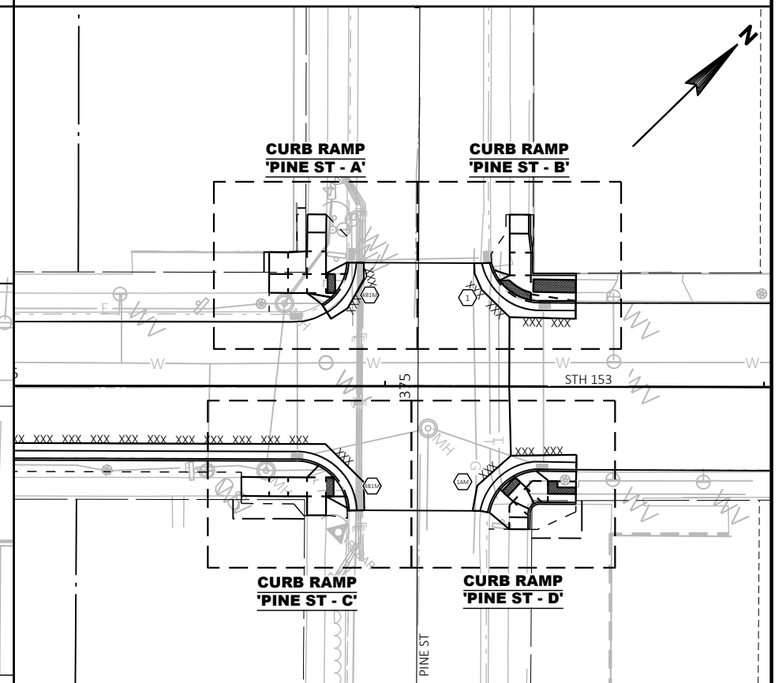
a. SALVAGE BRICK PAVERS THAT ARE REMOVED DURING CURB RAMP CONSTRUCTION



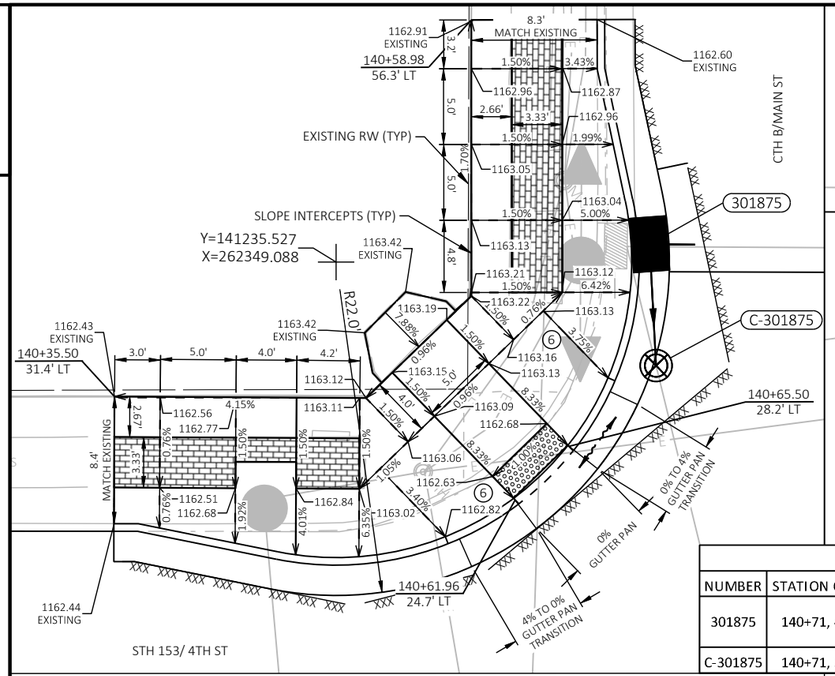
CURB RAMP 'PINE ST - C'



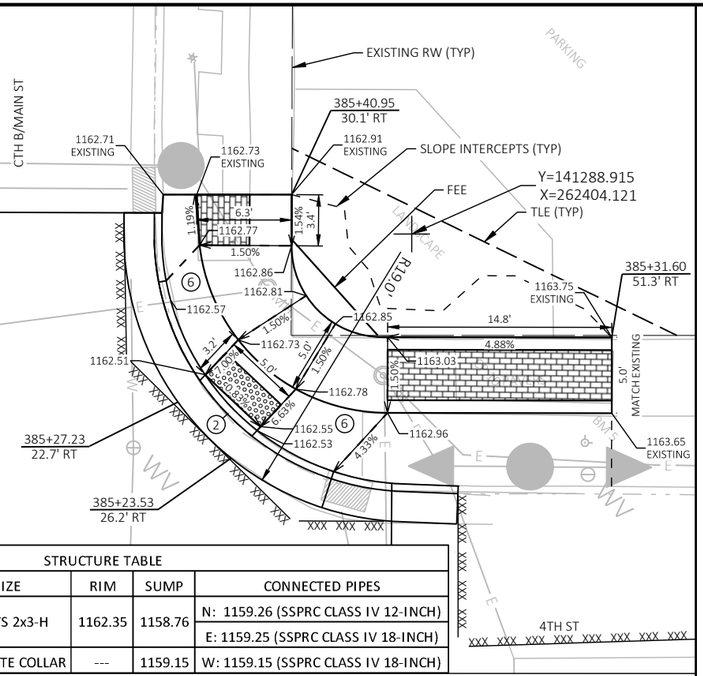
CURB RAMP 'PINE ST - D'



PROJECT NO: 6370-01-75/73	HWY: STH 153	COUNTY: MARATHON	CURB RAMPS: PINE STREET	SHEET 32	E



CURB RAMP '4TH & MAIN ST - A'



CURB RAMP '4TH & MAIN ST - B'

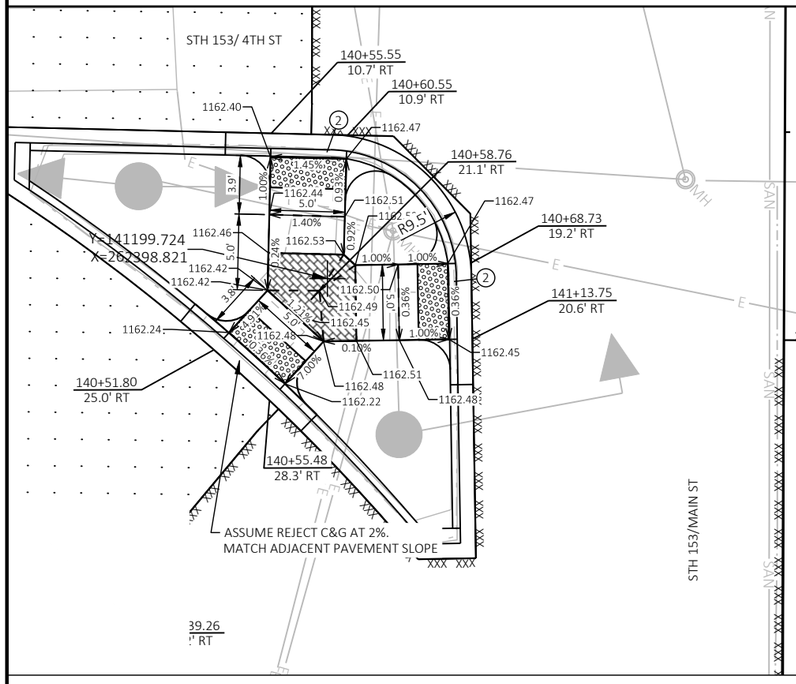
STRUCTURE TABLE					
NUMBER	STATION OFFSET	SIZE	RIM	SUMP	CONNECTED PIPES
301875	140+71, 41.5'L	INLETS 2x3-H	1162.35	1158.76	N: 1159.26 (SSPRC CLASS IV 12-INCH) E: 1159.25 (SSPRC CLASS IV 18-INCH)
C-301875	140+71, 33.5'L	CONCRETE COLLAR	---	1159.15	W: 1159.15 (SSPRC CLASS IV 18-INCH)

LEGEND

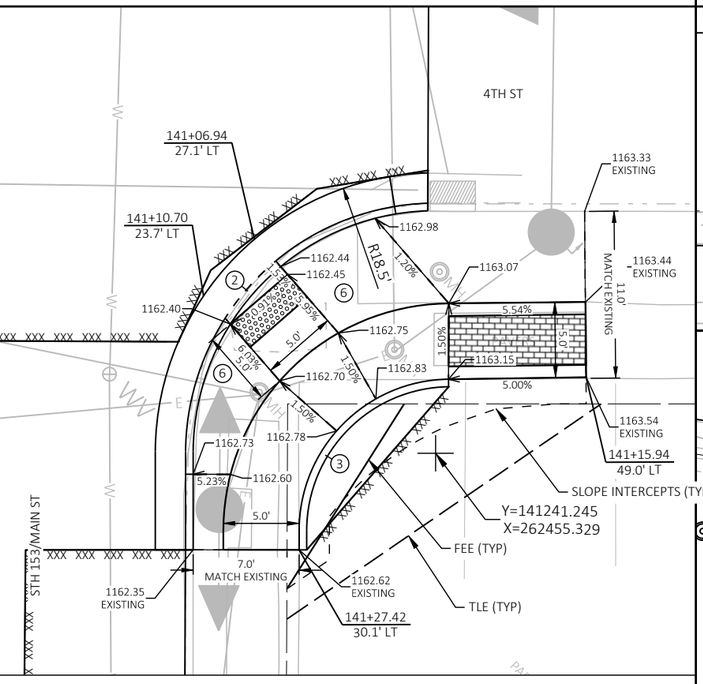
- DIRECTION OF SLOPE (TYP)
- XXX — SAWCUT REQ'D (SAWCUTS TO BE AT NEAREST EXISTING JOINT)
- DETECTABLE WARNING FIELD
- +XX.XX / +XX.X' LT/RT — STATION, OFFSET
- (1) 10:1 MAX FLARE. 2" MIN. CURB HEIGHT
- (2) GUTTER CROSS SLOPE AT CURB RAMP 4% CURB HEAD OPENING SLOPE 1.5% MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK
- (3) CONCRETE CURB, PEDESTRIAN
- (4) GRASS OR OTHER NON-WALKABLE SURFACE
- (5) 6:1 MINIMUM GRADED FLARE
- (6) 10:1 MINIMUM CONCRETE FLARE
- STAMPING COLORED CONCRETE (WISDOT RED)
- (X) CURB RAMP TYPE AS PER WISDOT SDD 8d5

NOTES:

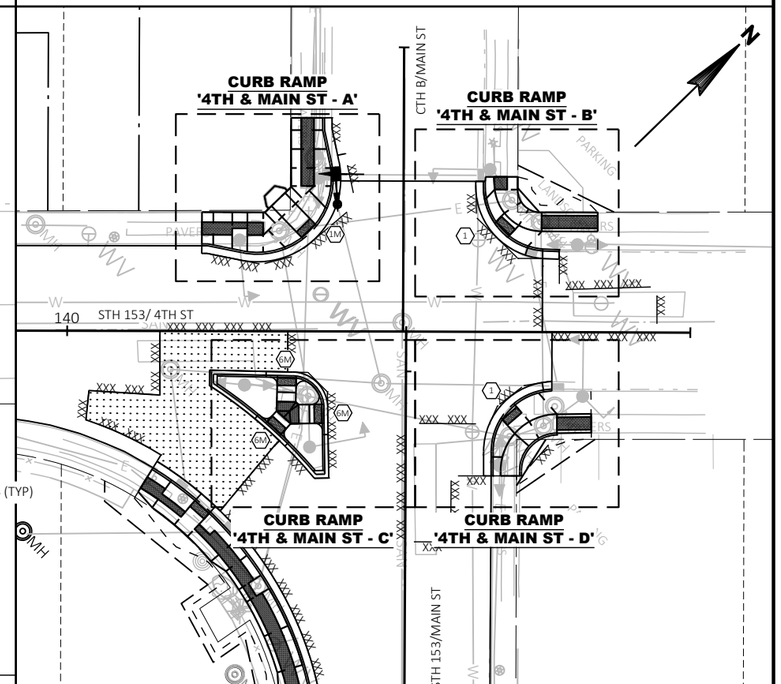
a. SALVAGE BRICK PAVERS THAT ARE REMOVED DURING CURB RAMP CONSTRUCTION



CURB RAMP '4TH & MAIN ST - C'

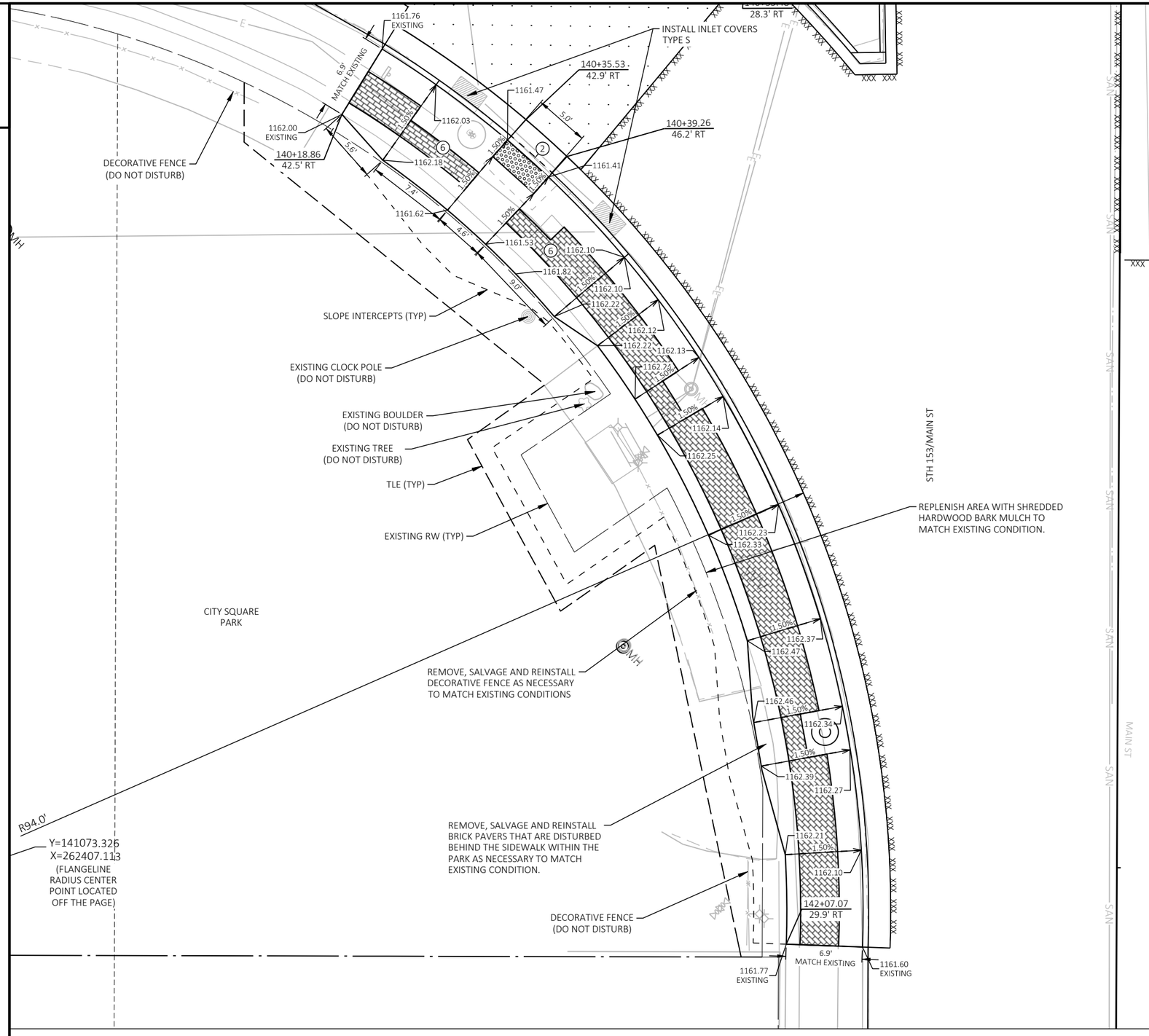


CURB RAMP '4TH & MAIN ST - D'



PROJECT NO: 6370-01-73	HWY: STH 153	COUNTY: MARATHON	CURB RAMPS: 4TH & MAIN STREET	SHEET	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\021103_ID_CURB RAMPS_4TH TO 2ND.DWG
LAYOUT NAME - 021140_id_4th
PLOT DATE : 7/12/2021 2:46 PM PLOT BY : CORY IHDE PLOT NAME : PLOT SCALE : 1 IN:60 FT



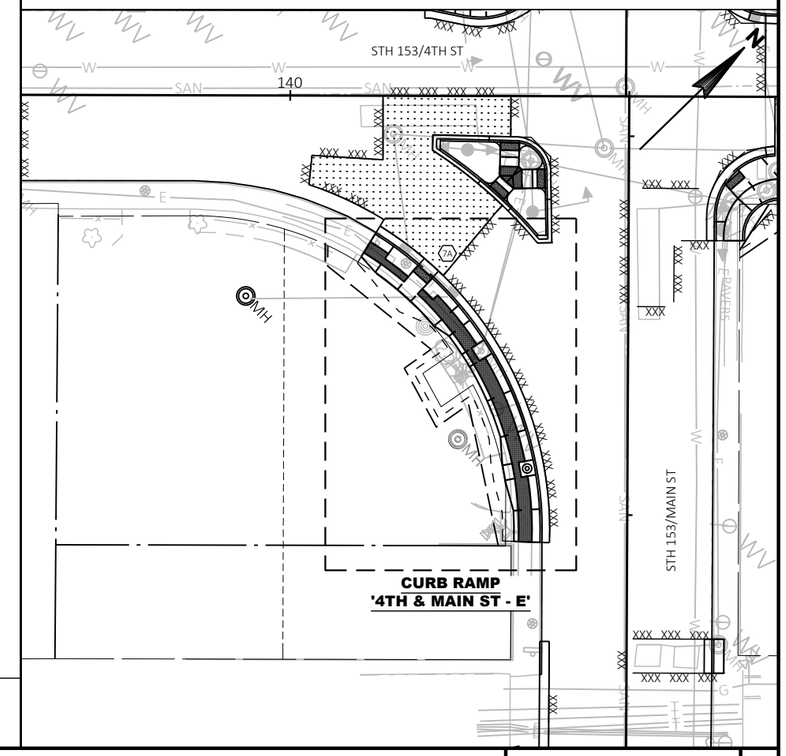
CURB RAMP '4TH & MAIN ST - E'

LEGEND

- DIRECTION OF SLOPE (TYP)
- XXX — SAWCUT REQ'D (SAWCUTS TO BE AT NEAREST EXISTING JOINT)
- DETECTABLE WARNING FIELD
- +XX.XX / +XX.X' LT/RT — STATION, OFFSET
- (1) 10:1 MAX FLARE. 2" MIN. CURB HEIGHT
- (2) GUTTER CROSS SLOPE AT CURB RAMP 4%
  CURB HEAD OPENING SLOPE 1.5%
  MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK
- (3) CONCRETE CURB, PEDESTRIAN
- (4) GRASS OR OTHER NON-WALKABLE SURFACE
- (5) 6:1 MINIMUM GRADED FLARE
- (6) 10:1 MINIMUM CONCRETE FLARE
- STAMPING COLORED CONCRETE (WISDOT RED)
- (X) CURB RAMP TYPE AS PER WISDOT SDD 8d5

NOTES:

a. SALVAGE BRICK PAVERS THAT ARE REMOVED DURING CURB RAMP CONSTRUCTION

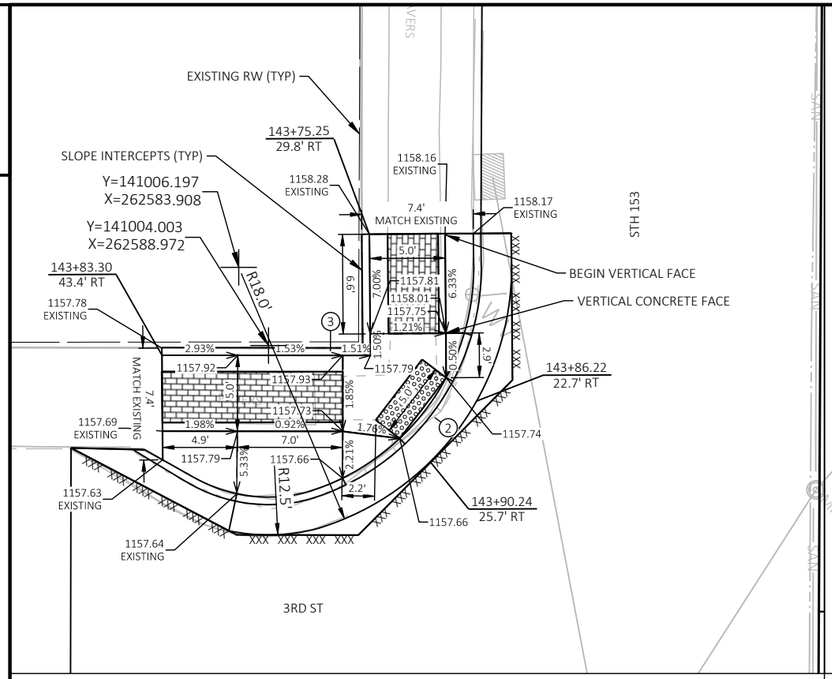


PROJECT NO: 6370-01-73	HWY: STH 153	COUNTY: MARATHON	CURB RAMPS: 4TH & MAIN STREET	SHEET 34	E

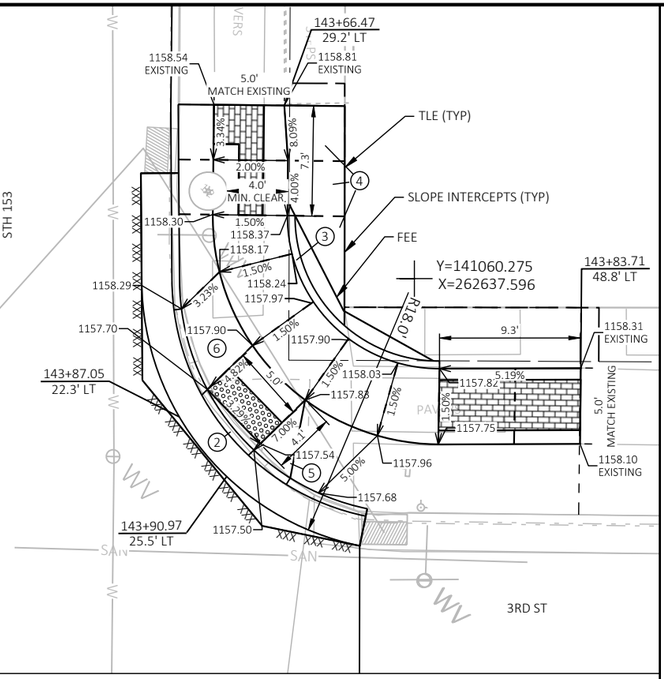
FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\021103_ID_CURB RAMPS_4TH TO 2ND.DWG
LAYOUT NAME - 021141_id_4th

PLOT DATE : 7/12/2021 2:46 PM PLOT BY : CORY IHDE PLOT NAME : PLOT SCALE : 1 IN:60 FT

WISDOT/CADDS SHEET 44



CURB RAMP '3RD ST - A'



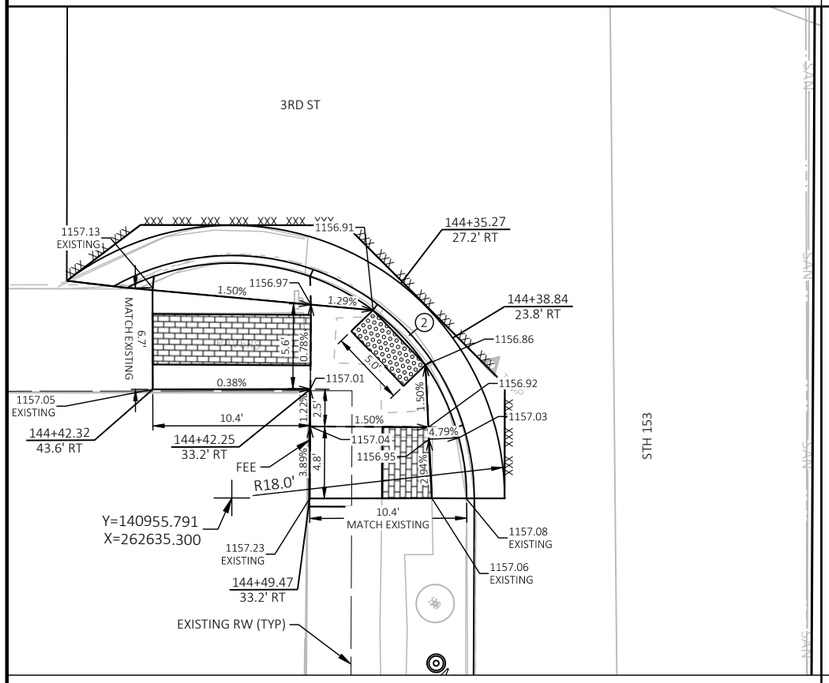
CURB RAMP '3RD ST - B'

LEGEND

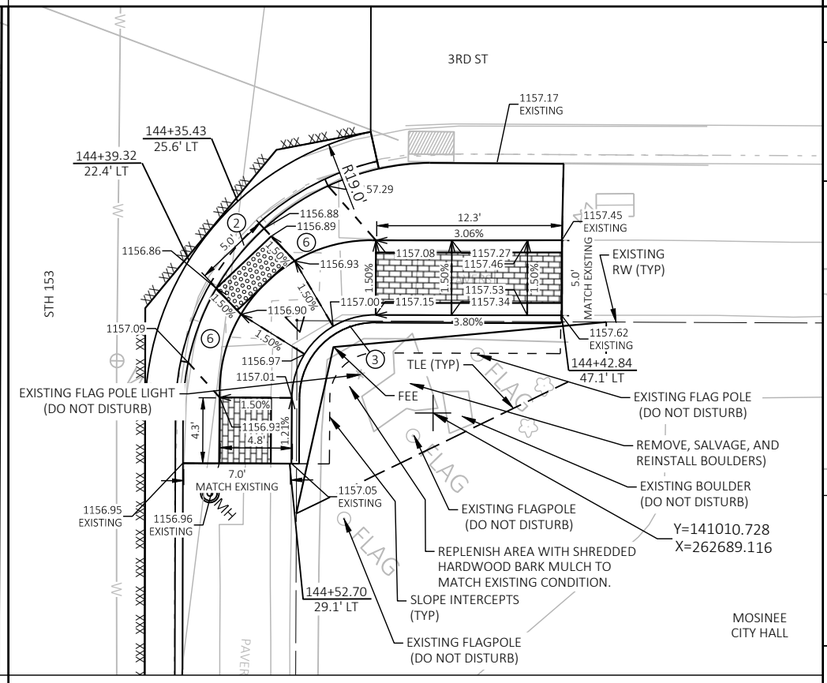
- DIRECTION OF SLOPE (TYP)
- XXX — SAWCUT REQ'D (SAWCUTS TO BE AT NEAREST EXISTING JOINT)
- DETECTABLE WARNING FIELD
- +XX.XX / +XX.X' LT/RT — STATION, OFFSET
- (1) 10:1 MAX FLARE. 2" MIN. CURB HEIGHT
- (2) GUTTER CROSS SLOPE AT CURB RAMP 4% CURB HEAD OPENING SLOPE 1.5% MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK
- (3) CONCRETE CURB, PEDESTRIAN
- (4) GRASS OR OTHER NON-WALKABLE SURFACE
- (5) 6:1 MINIMUM GRADED FLARE
- (6) 10:1 MINIMUM CONCRETE FLARE
- STAMPING COLORED CONCRETE (WISDOT RED)
- (X) CURB RAMP TYPE AS PER WISDOT SDD 8d5

NOTES:

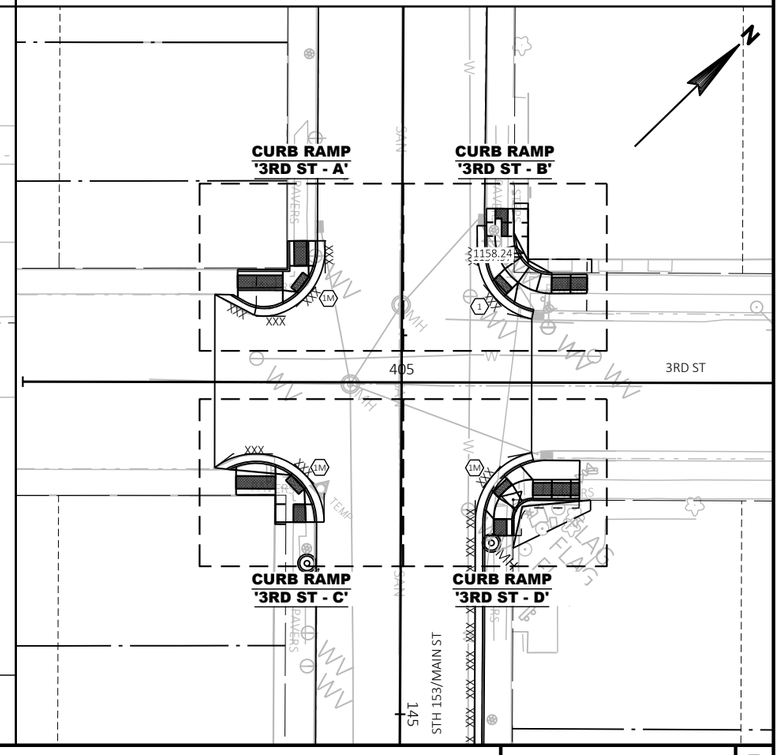
a. SALVAGE BRICK PAVERS THAT ARE REMOVED DURING CURB RAMP CONSTRUCTION



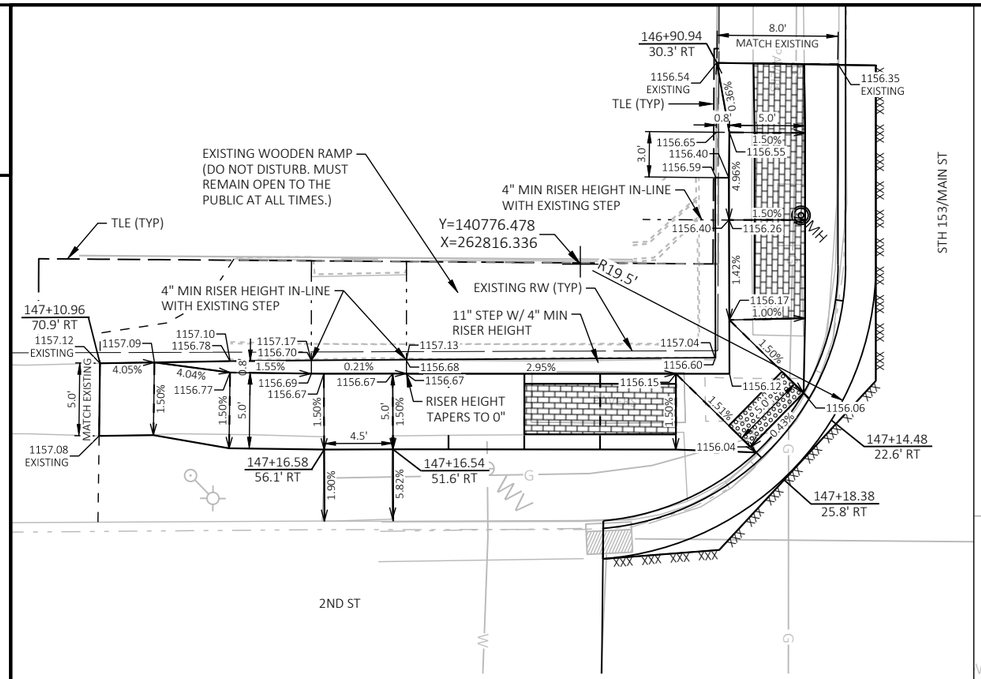
CURB RAMP '3RD ST - C'



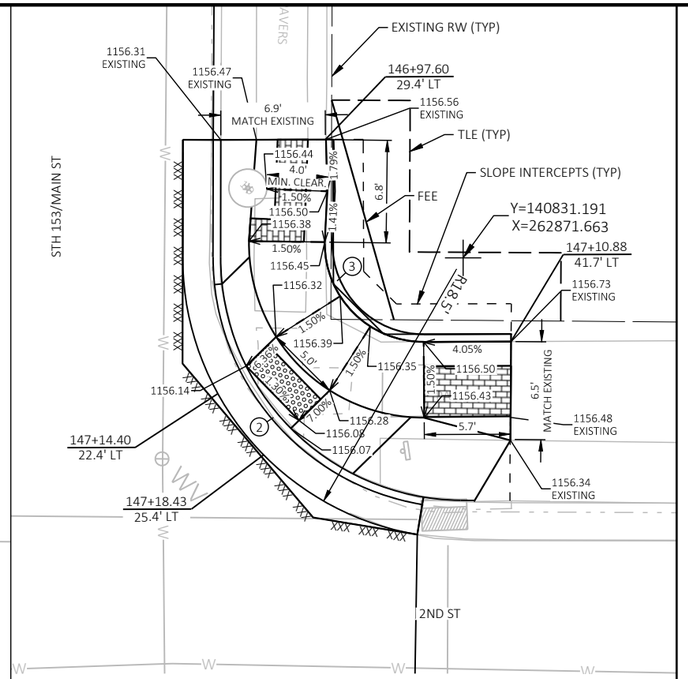
CURB RAMP '3RD ST - D'



PROJECT NO: 6370-01-73	HWY: STH 153	COUNTY: MARATHON	CURB RAMPS: 3RD STREET	SHEET 35	E



CURB RAMP '2ND ST - A'



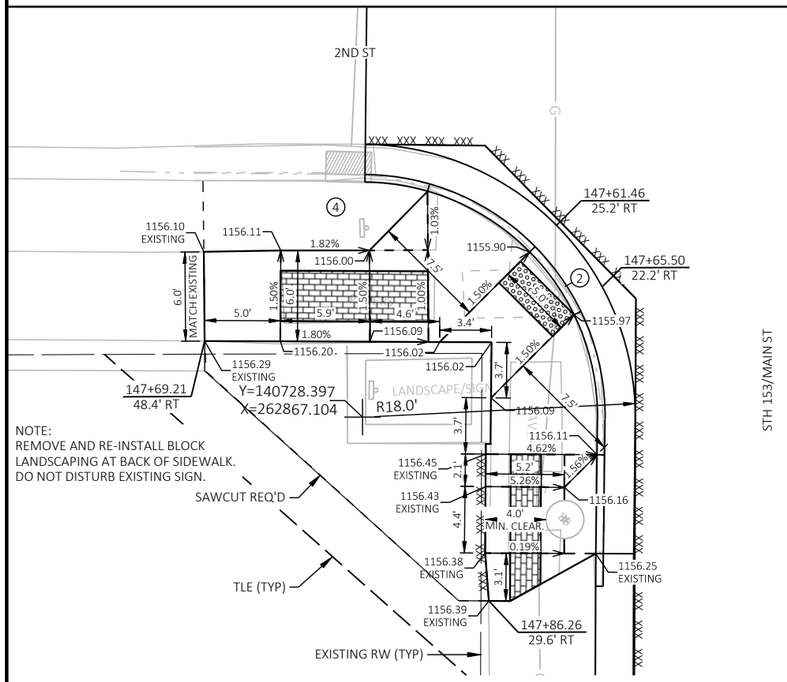
CURB RAMP '2ND ST - B'

LEGEND

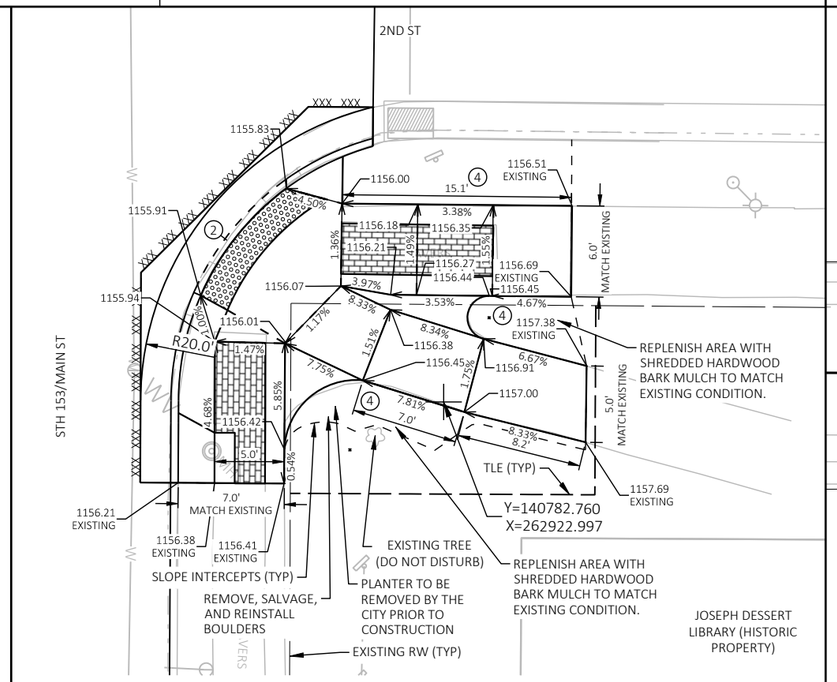
- DIRECTION OF SLOPE (TYP)
- .XXX. SAWCUT REQ'D (SAWCUTS TO BE AT NEAREST EXISTING JOINT)
- DETECTABLE WARNING FIELD
- +XX.XX / +XX.X' LT/RT — STATION, OFFSET
- (1) 10:1 MAX FLARE. 2" MIN. CURB HEIGHT
- (2) GUTTER CROSS SLOPE AT CURB RAMP 4% CURB HEAD OPENING SLOPE 1.5% MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK
- (3) CONCRETE CURB, PEDESTRIAN
- (4) GRASS OR OTHER NON-WALKABLE SURFACE
- (5) 6:1 MINIMUM GRADED FLARE
- (6) 10:1 MINIMUM CONCRETE FLARE
- STAMPING COLORED CONCRETE (WISDOT RED)
- (X) CURB RAMP TYPE AS PER WISDOT SDD 8d5

NOTES:

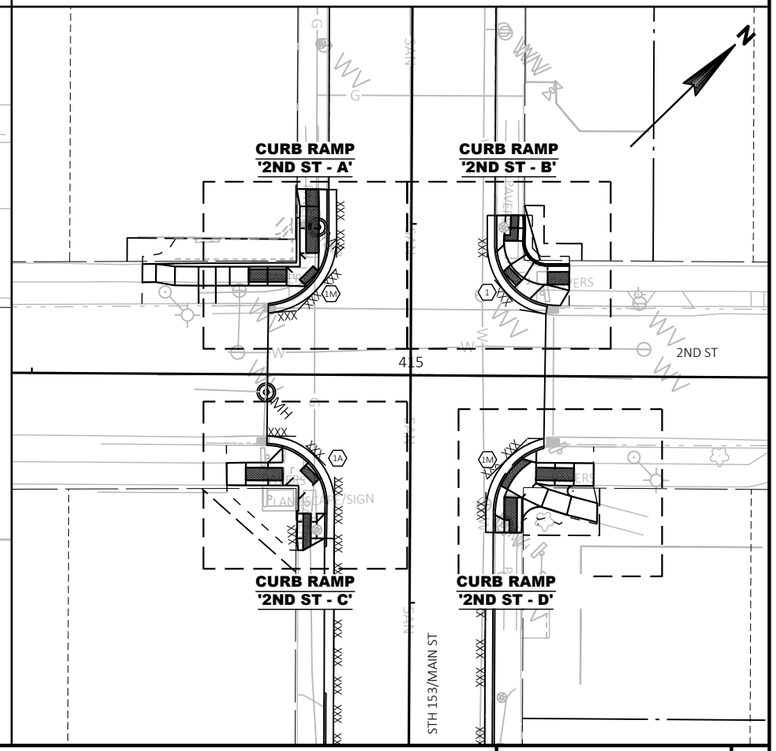
a. SALVAGE BRICK PAVERS THAT ARE REMOVED DURING CURB RAMP CONSTRUCTION



CURB RAMP '2ND ST - C'



CURB RAMP '2ND ST - D'



PROJECT NO: 6370-01-73	HWY: STH 153	COUNTY: MARATHON	CURB RAMPS: 2ND STREET	SHEET 36 E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\021103_ID_CURB RAMPS_4TH TO 2ND.DWG
LAYOUT NAME - 021143_id_2nd

PLOT DATE : 7/12/2021 2:48 PM PLOT BY : CORY IHDE PLOT NAME : PLOT SCALE : 1 IN:60 FT

WISDOT/CADDS SHEET 44

BEGIN PROJECT
6370-01-75
STA 70+75.03
Y=139658.761
X=255962.734
SAWCUT REQ'D
MATCH EXISTING

(6.25% PAN SLOPE) CG03 AP01 1149.36 1149.34 1149.49

CM01 DR02 DR01 CM01 DR02 DR01 CM01 DR02 DR01 CM03 DR01 CM01 DR01 CM01 DR02 CM01

1149.66 1150.00 1150.22 1150.27 1150.22 1149.91 1149.38 1148.75

STH 153 STH 153 R/L

71+00 72+00 73+00 74+00 75+00

1149.92 1150.02 1150.10 1150.40 1150.62 1150.67 1150.62 1150.31 1149.78 1149.15

20' 20'

AP01 CG01 (4% PAN SLOPE)

1149.40 1149.31 1149.62 1149.82 1150.06 1150.16 1150.23 1149.71 1149.19 1148.55

(6.25% PAN SLOPE) CG01 1149.47 1149.57 CM01

RANGELINE RD

MATCHLINE STA 75+50

N

NOTES:

REFER TO INTERSECTION DETAILS FOR ADDITIONAL INFORMATION AND DETAILS.

PAVEMENT GRADES ARE GIVEN TO THE FLANGE OF THE CURB & GUTTER AND THE R/L.

PAVEMENT GRADES ARE GENERALLY SHOWN AT 50' INTERVALS.

SEE CURB RAMP DETAILS FOR MORE GRADES AND ADDITIONAL INFORMATION ON CURB & GUTTER.

LEGEND

- AP01 REMOVING ASPHALTIC SURFACE, 4-INCH / PLACE 4" HMA PAVEMENT
- AP02 REMOVING ASPHALTIC SURFACE MILLING, 4-INCH / 4" HMA PAVEMENT
- AP03 REMOVING ASPHALTIC SURFACE MILLING, 1 3/4-INCH / HMA PAVEMENT 1 3/4-INCH
- CG01 CONCRETE CURB AND GUTTER 30-INCH TYPE D
- CG02 CONCRETE CURB AND GUTTER 30-INCH TYPE A
- CG03 CONCRETE CURB AND GUTTER 6-INCH SLOPE 36-INCH TYPE D
- CM01 CONCRETE SIDEWALK 4-INCH
- DR01 CONCRETE DRIVEWAY 6-INCH
- DR02 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 4-INCH
- DR03 AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH

DR02 DR02 DR02 CM01 DR01 CM01 DR01 CM01 DR02 DR01 CM01 DR02 DR01 CM01 WILLOW STREET CM01

1148.23 1147.78 1147.50 1147.64 1147.95 1148.35 1148.72 1149.06 1149.03 1149.95 1150.16

CG01 (4% PAN SLOPE) (4% PAN SLOPE) CG01

MATCHLINE STA 75+50

STH 153 STH 153 R/L

76+00 77+00 78+00 79+00 80+00 81+00

1148.63 1148.18 1147.90 1148.04 1148.35 1148.75 1149.12 1149.45 1149.89 1150.35 1150.56

AP01 20' AP01 20'

CG01 1148.33 1147.58 1147.43 1147.57 1147.91 1148.22 1148.62 CG01 (4% PAN SLOPE) 1149.01 1149.39 (4% PAN SLOPE) CG01 1149.87 1150.09

CM01 CM01 CM01 CM01

MAPLE STREET WILLOW STREET

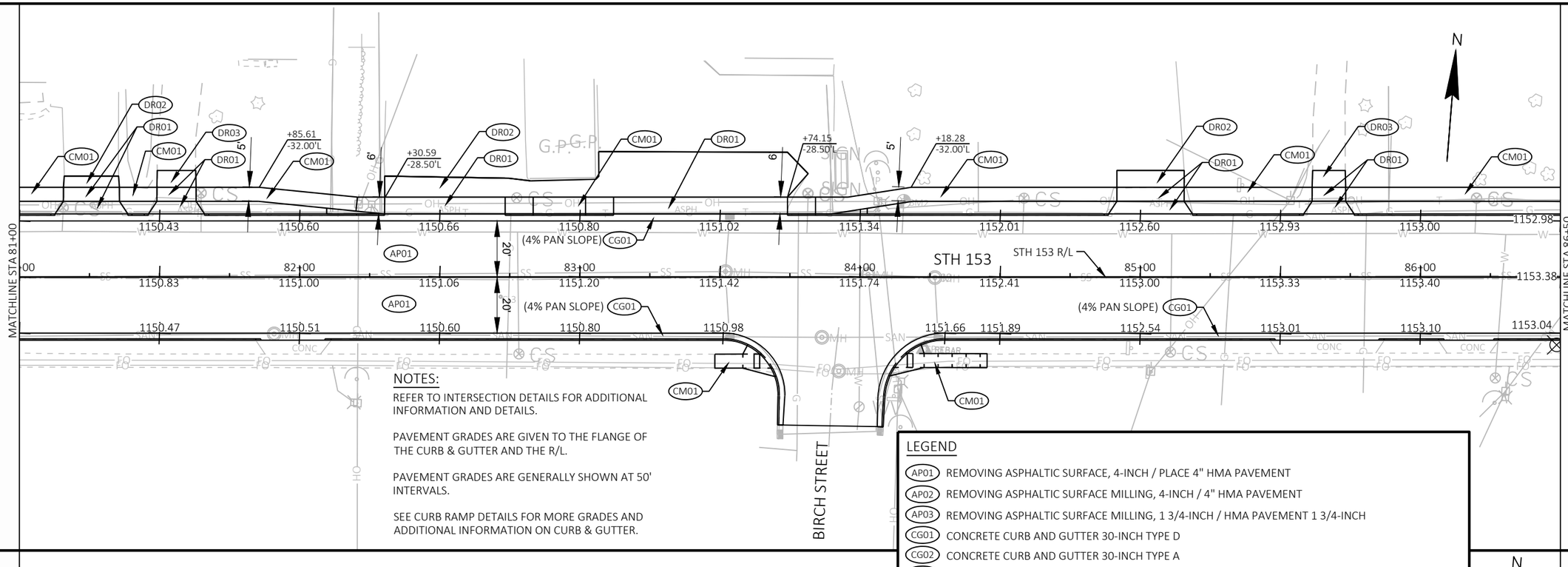
MATCHLINE STA 81+00

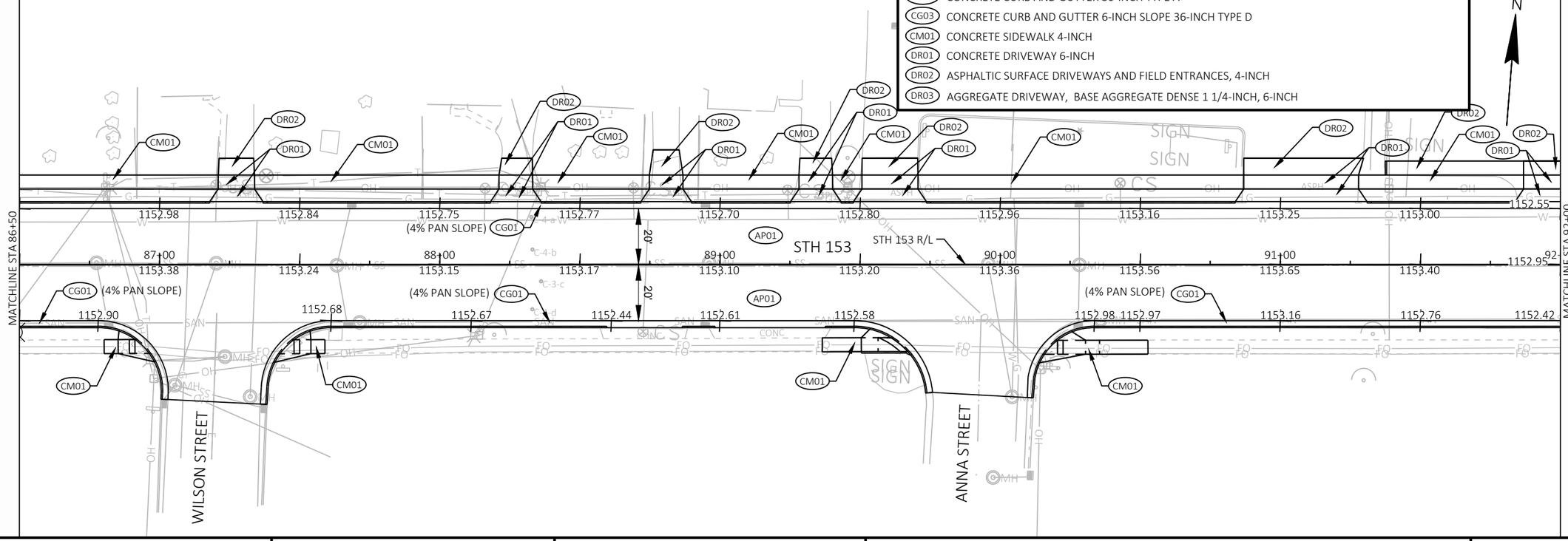
N

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	PAVING GRADES	SHEET 37	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\021104_ID_PAVING GRADES.DWG
LAYOUT NAME - 01

PLOT DATE : 7/9/2021 11:15 AM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:40 FT



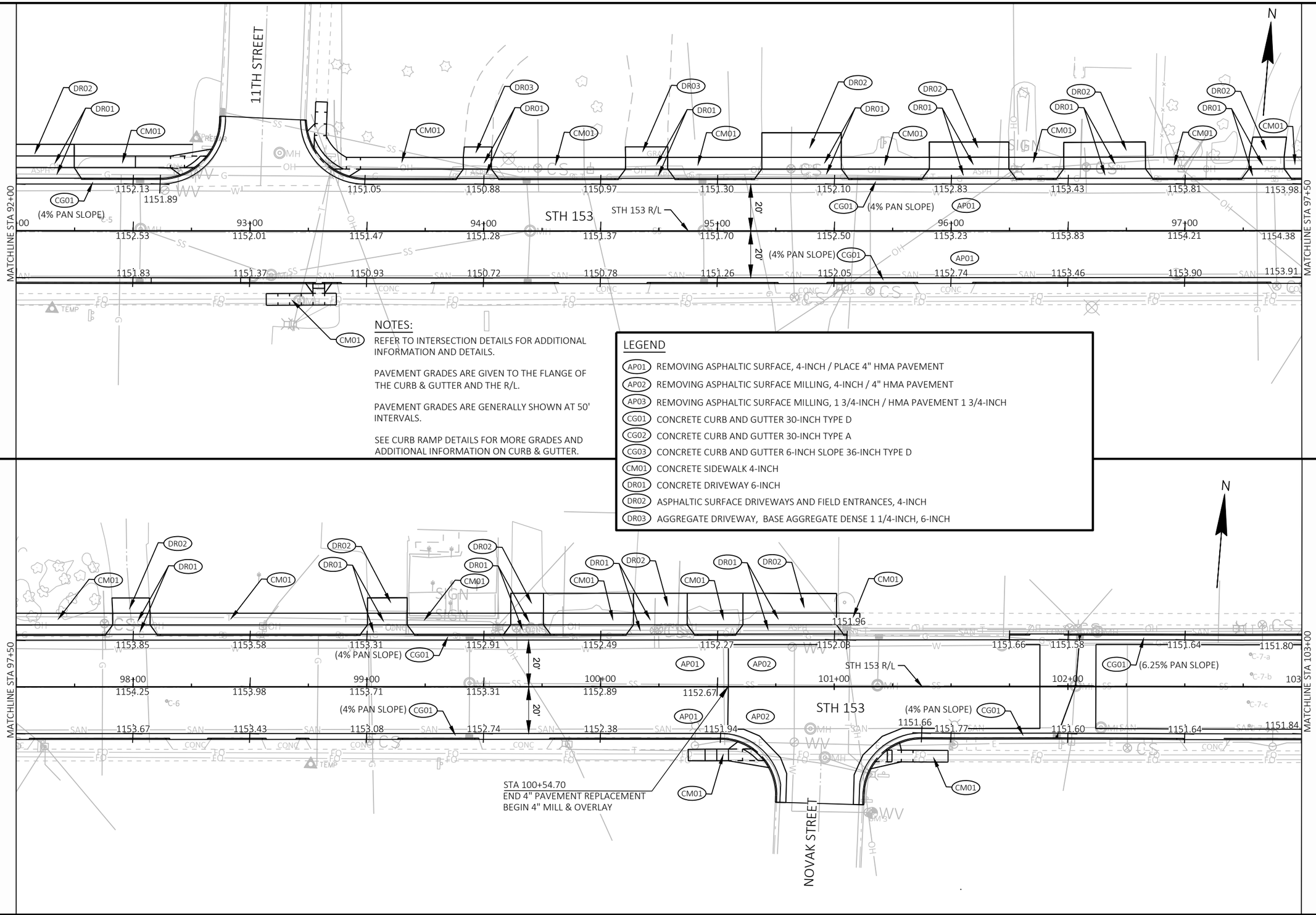


PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	PAVING GRADES	SHEET 38	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\021104_ID_PAVING GRADES.DWG
LAYOUT NAME - 02

PLOT DATE : 7/9/2021 11:16 AM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



NOTES:

REFER TO INTERSECTION DETAILS FOR ADDITIONAL INFORMATION AND DETAILS.

PAVEMENT GRADES ARE GIVEN TO THE FLANGE OF THE CURB & GUTTER AND THE R/L.

PAVEMENT GRADES ARE GENERALLY SHOWN AT 50' INTERVALS.

SEE CURB RAMP DETAILS FOR MORE GRADES AND ADDITIONAL INFORMATION ON CURB & GUTTER.

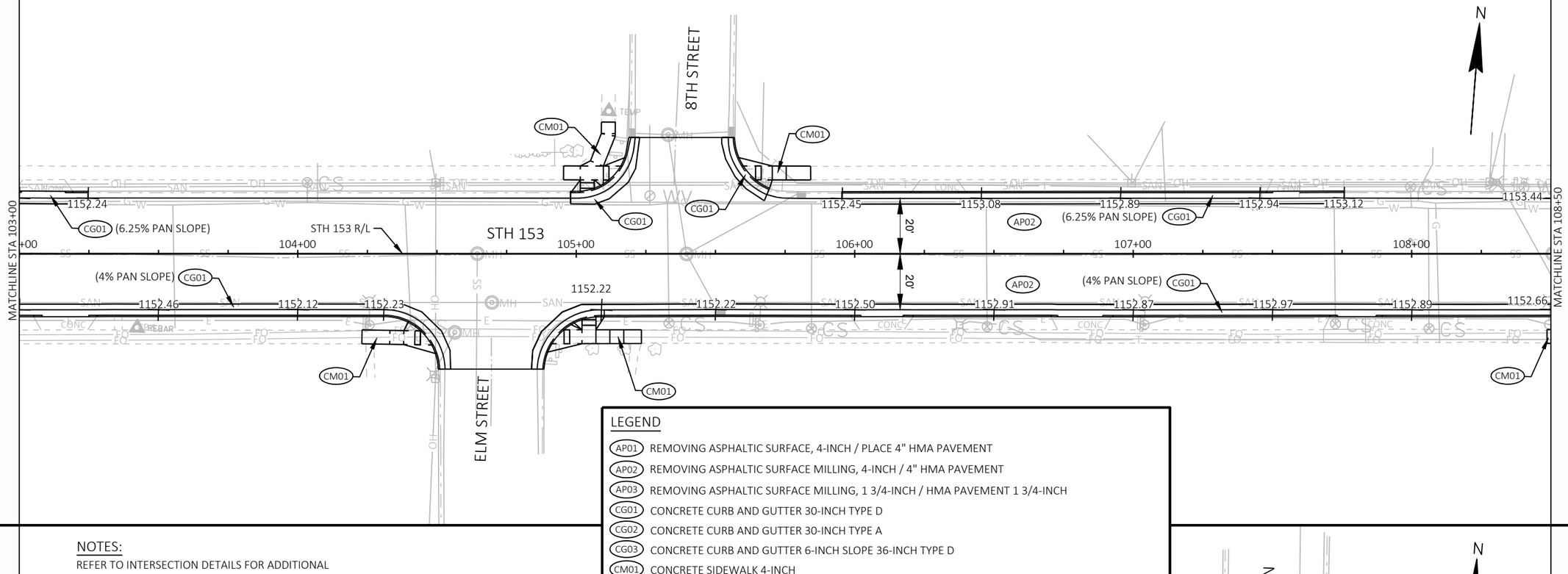
LEGEND

- AP01 REMOVING ASPHALTIC SURFACE, 4-INCH / PLACE 4" HMA PAVEMENT
- AP02 REMOVING ASPHALTIC SURFACE MILLING, 4-INCH / 4" HMA PAVEMENT
- AP03 REMOVING ASPHALTIC SURFACE MILLING, 1 3/4-INCH / HMA PAVEMENT 1 3/4-INCH
- CG01 CONCRETE CURB AND GUTTER 30-INCH TYPE D
- CG02 CONCRETE CURB AND GUTTER 30-INCH TYPE A
- CG03 CONCRETE CURB AND GUTTER 6-INCH SLOPE 36-INCH TYPE D
- CM01 CONCRETE SIDEWALK 4-INCH
- DR01 CONCRETE DRIVEWAY 6-INCH
- DR02 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 4-INCH
- DR03 AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	PAVING GRADES	SHEET 39	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\021104_ID_PAVING GRADES.DWG
LAYOUT NAME - 03

PLOT DATE : 7/9/2021 11:16 AM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:40 FT



LEGEND

- AP01 REMOVING ASPHALTIC SURFACE, 4-INCH / PLACE 4" HMA PAVEMENT
- AP02 REMOVING ASPHALTIC SURFACE MILLING, 4-INCH / 4" HMA PAVEMENT
- AP03 REMOVING ASPHALTIC SURFACE MILLING, 1 3/4-INCH / HMA PAVEMENT 1 3/4-INCH
- CG01 CONCRETE CURB AND GUTTER 30-INCH TYPE D
- CG02 CONCRETE CURB AND GUTTER 30-INCH TYPE A
- CG03 CONCRETE CURB AND GUTTER 6-INCH SLOPE 36-INCH TYPE D
- CM01 CONCRETE SIDEWALK 4-INCH
- DR01 CONCRETE DRIVEWAY 6-INCH
- DR02 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 4-INCH
- DR03 AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH

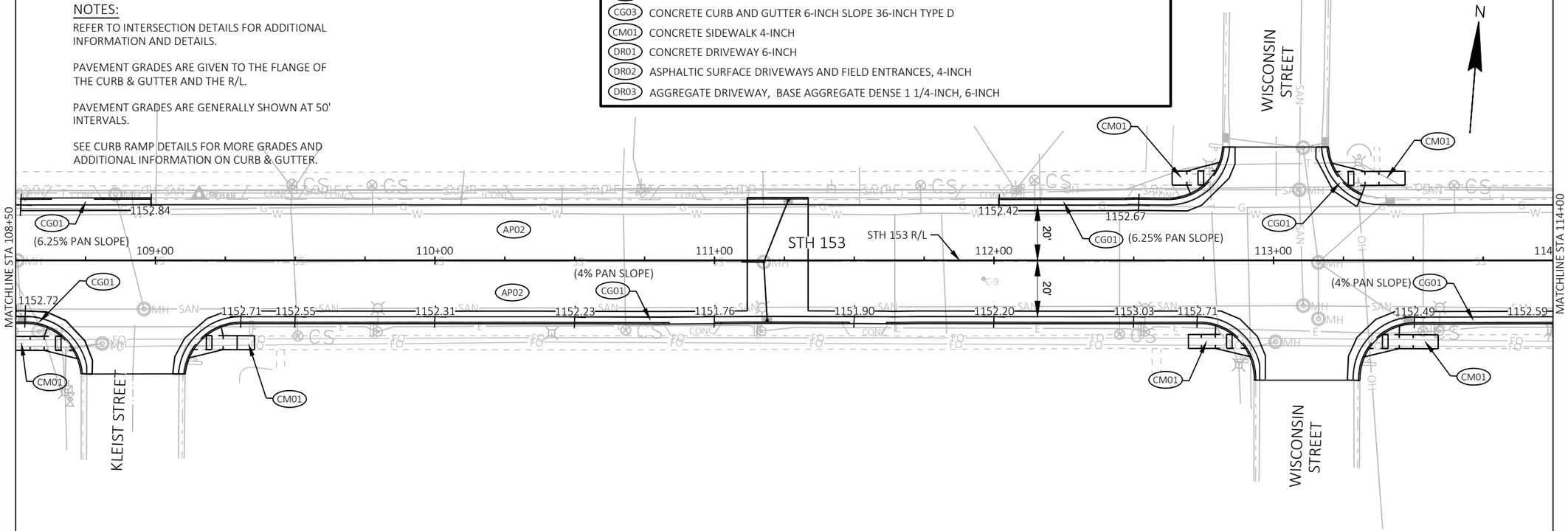
NOTES:

REFER TO INTERSECTION DETAILS FOR ADDITIONAL INFORMATION AND DETAILS.

PAVEMENT GRADES ARE GIVEN TO THE FLANGE OF THE CURB & GUTTER AND THE R/L.

PAVEMENT GRADES ARE GENERALLY SHOWN AT 50' INTERVALS.

SEE CURB RAMP DETAILS FOR MORE GRADES AND ADDITIONAL INFORMATION ON CURB & GUTTER.



PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	PAVING GRADES	SHEET 40	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\021104_ID_PAVING GRADES.DWG
LAYOUT NAME - 04

PLOT DATE : 7/9/2021 11:16 AM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

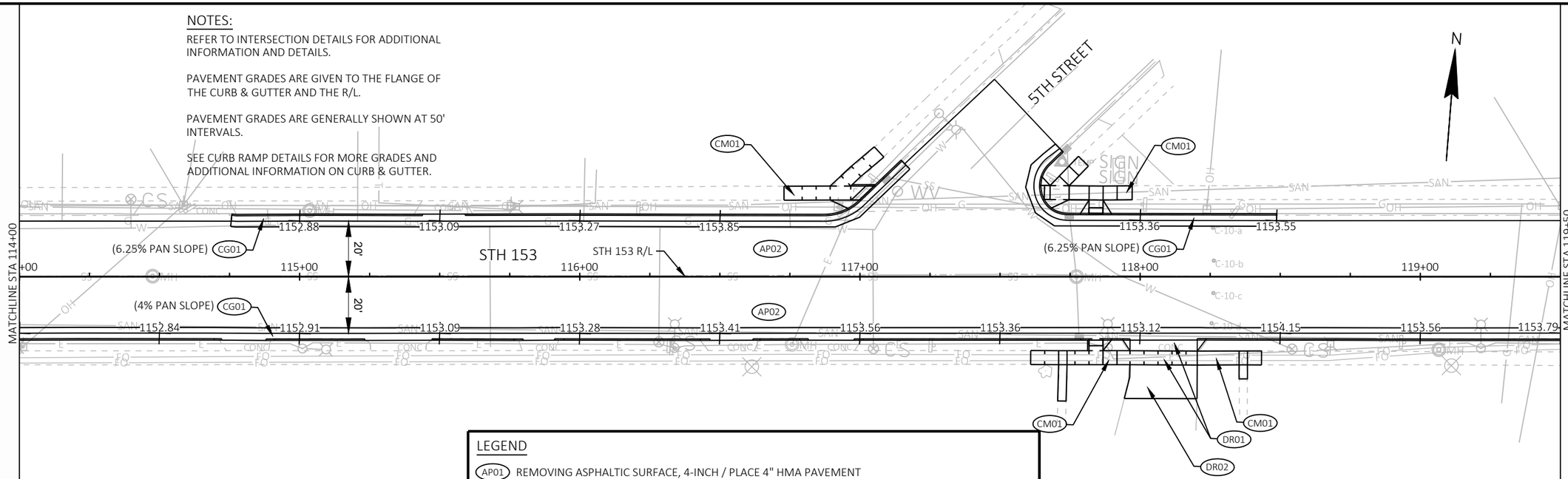
NOTES:

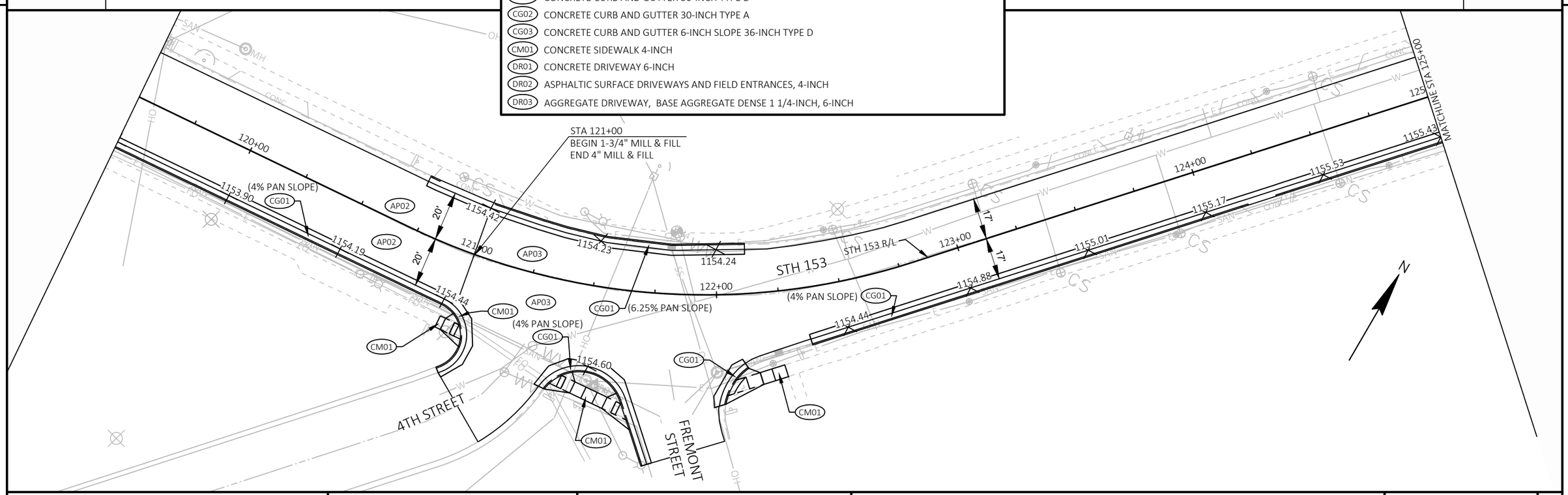
REFER TO INTERSECTION DETAILS FOR ADDITIONAL INFORMATION AND DETAILS.

PAVEMENT GRADES ARE GIVEN TO THE FLANGE OF THE CURB & GUTTER AND THE R/L.

PAVEMENT GRADES ARE GENERALLY SHOWN AT 50' INTERVALS.

SEE CURB RAMP DETAILS FOR MORE GRADES AND ADDITIONAL INFORMATION ON CURB & GUTTER.

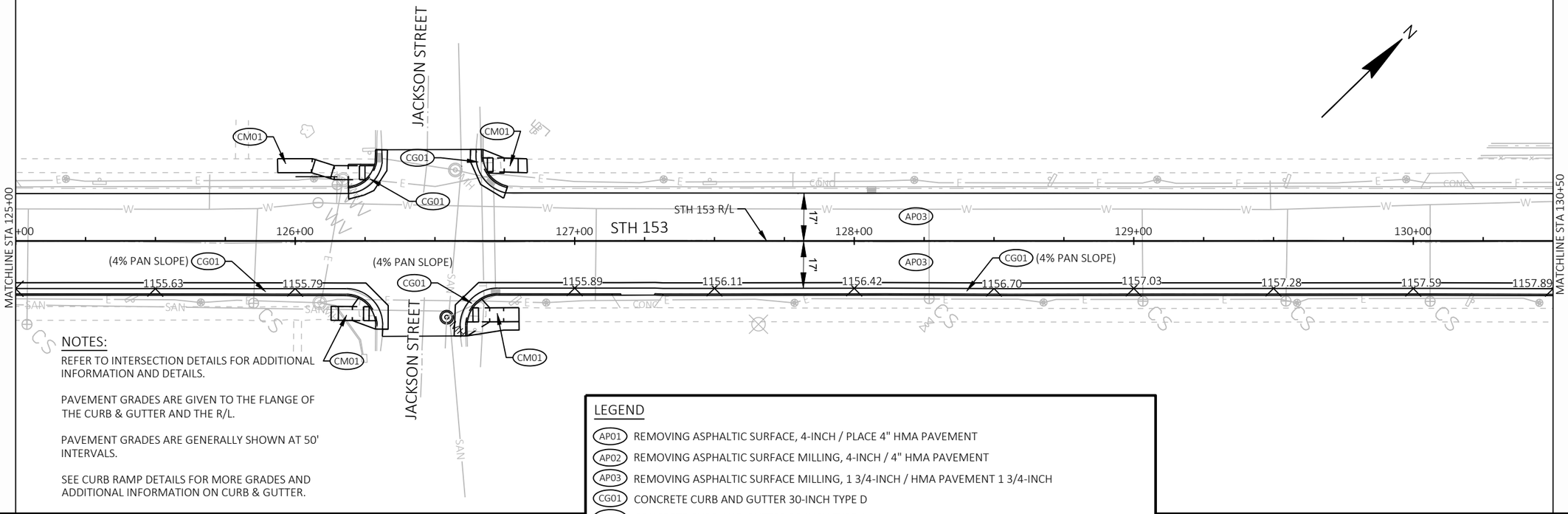




LEGEND

- AP01 REMOVING ASPHALTIC SURFACE, 4-INCH / PLACE 4" HMA PAVEMENT
- AP02 REMOVING ASPHALTIC SURFACE MILLING, 4-INCH / 4" HMA PAVEMENT
- AP03 REMOVING ASPHALTIC SURFACE MILLING, 1 3/4-INCH / HMA PAVEMENT 1 3/4-INCH
- CG01 CONCRETE CURB AND GUTTER 30-INCH TYPE D
- CG02 CONCRETE CURB AND GUTTER 30-INCH TYPE A
- CG03 CONCRETE CURB AND GUTTER 6-INCH SLOPE 36-INCH TYPE D
- CM01 CONCRETE SIDEWALK 4-INCH
- DR01 CONCRETE DRIVEWAY 6-INCH
- DR02 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 4-INCH
- DR03 AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	PAVING GRADES	SHEET 41	E



NOTES:

REFER TO INTERSECTION DETAILS FOR ADDITIONAL INFORMATION AND DETAILS.

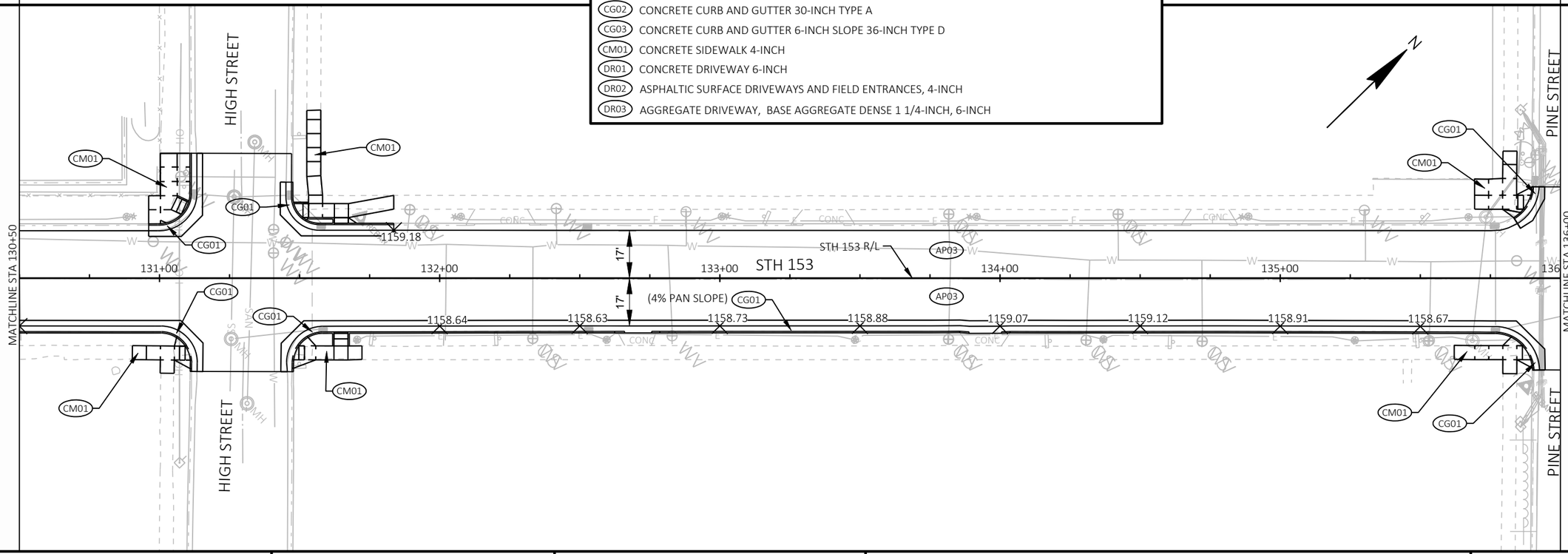
PAVEMENT GRADES ARE GIVEN TO THE FLANGE OF THE CURB & GUTTER AND THE R/L.

PAVEMENT GRADES ARE GENERALLY SHOWN AT 50' INTERVALS.

SEE CURB RAMP DETAILS FOR MORE GRADES AND ADDITIONAL INFORMATION ON CURB & GUTTER.

LEGEND

- AP01 REMOVING ASPHALTIC SURFACE, 4-INCH / PLACE 4" HMA PAVEMENT
- AP02 REMOVING ASPHALTIC SURFACE MILLING, 4-INCH / 4" HMA PAVEMENT
- AP03 REMOVING ASPHALTIC SURFACE MILLING, 1 3/4-INCH / HMA PAVEMENT 1 3/4-INCH
- CG01 CONCRETE CURB AND GUTTER 30-INCH TYPE D
- CG02 CONCRETE CURB AND GUTTER 30-INCH TYPE A
- CG03 CONCRETE CURB AND GUTTER 6-INCH SLOPE 36-INCH TYPE D
- CM01 CONCRETE SIDEWALK 4-INCH
- DR01 CONCRETE DRIVEWAY 6-INCH
- DR02 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 4-INCH
- DR03 AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH

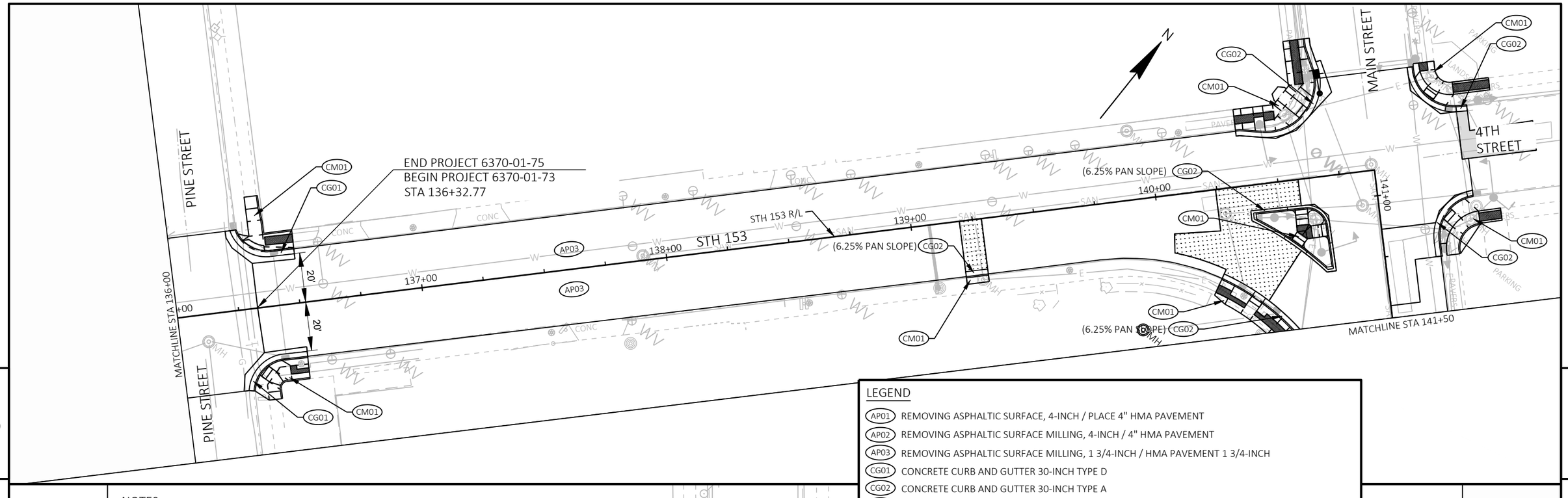


PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	PAVING GRADES	SHEET 42	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\021104_ID_PAVING GRADES.DWG
LAYOUT NAME - 06

PLOT DATE : 7/9/2021 11:16 AM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



5

LEGEND

- AP01 REMOVING ASPHALTIC SURFACE, 4-INCH / PLACE 4" HMA PAVEMENT
- AP02 REMOVING ASPHALTIC SURFACE MILLING, 4-INCH / 4" HMA PAVEMENT
- AP03 REMOVING ASPHALTIC SURFACE MILLING, 1 3/4-INCH / HMA PAVEMENT 1 3/4-INCH
- CG01 CONCRETE CURB AND GUTTER 30-INCH TYPE D
- CG02 CONCRETE CURB AND GUTTER 30-INCH TYPE A
- CG03 CONCRETE CURB AND GUTTER 6-INCH SLOPE 36-INCH TYPE D
- CM01 CONCRETE SIDEWALK 4-INCH
- DR01 CONCRETE DRIVEWAY 6-INCH
- DR02 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 4-INCH
- DR03 AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH

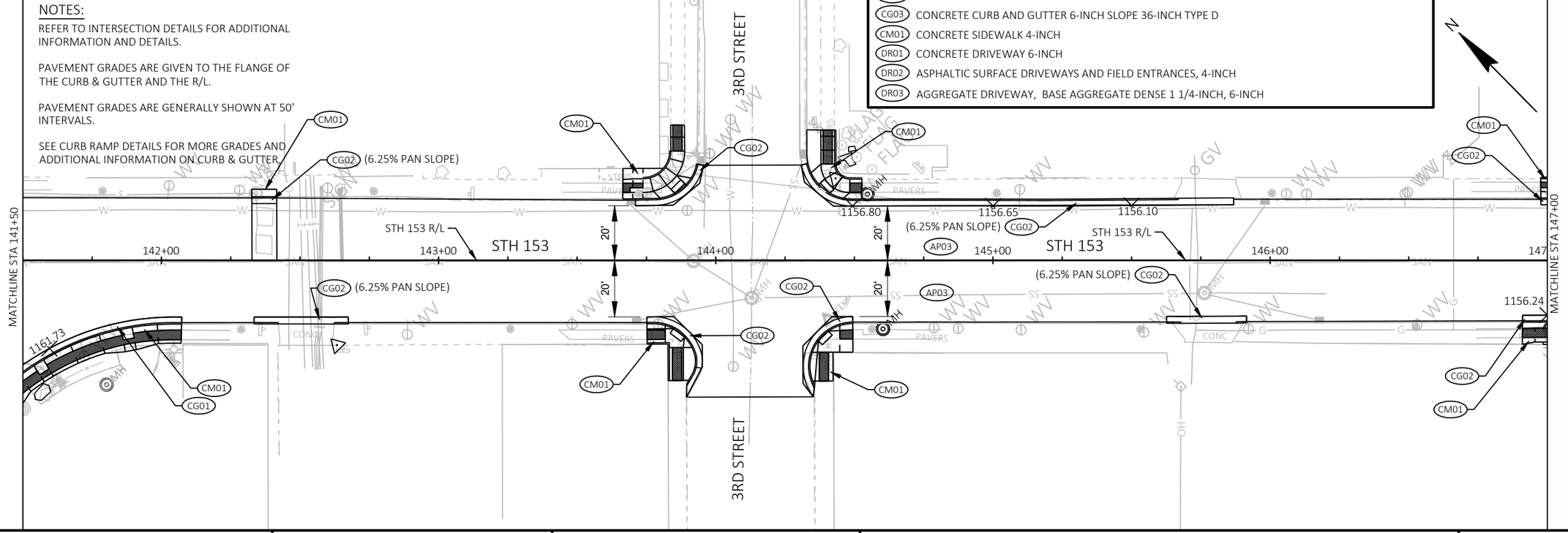
NOTES:

REFER TO INTERSECTION DETAILS FOR ADDITIONAL INFORMATION AND DETAILS.

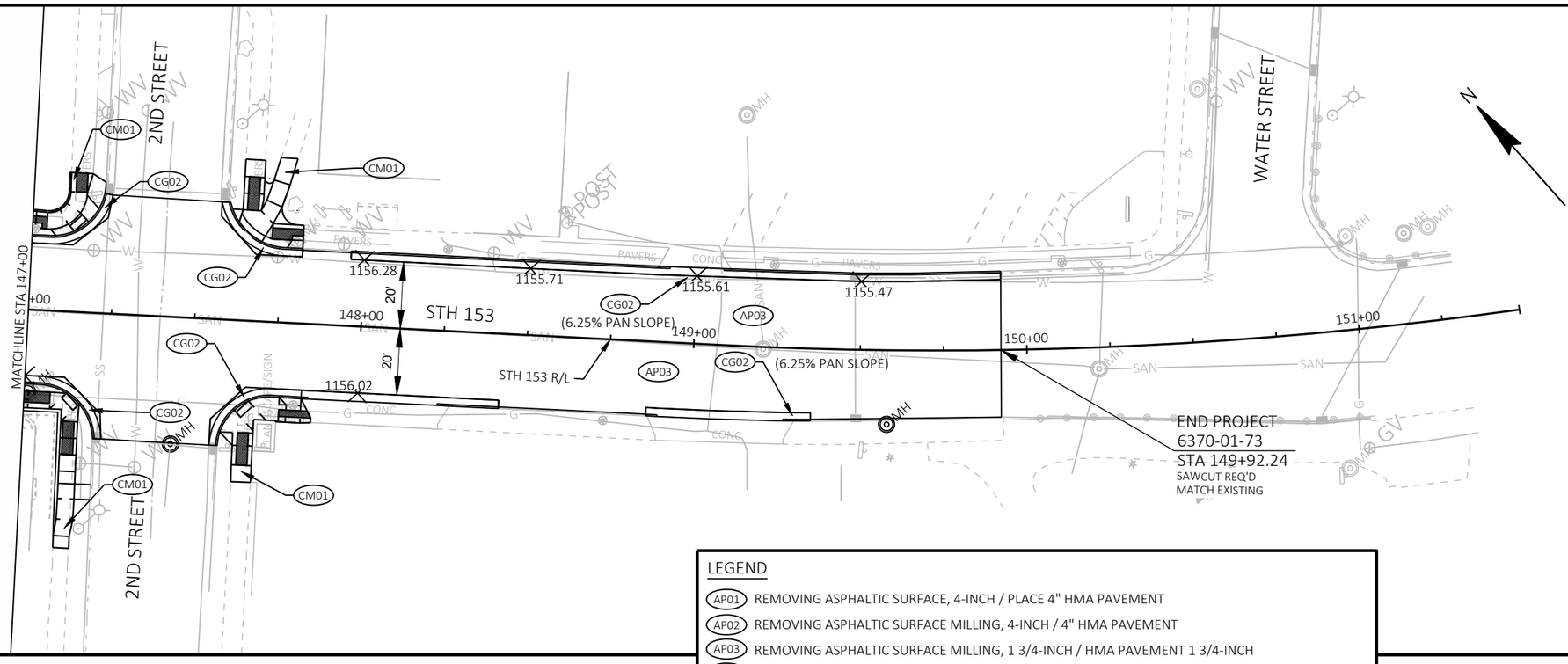
PAVEMENT GRADES ARE GIVEN TO THE FLANGE OF THE CURB & GUTTER AND THE R/L.

PAVEMENT GRADES ARE GENERALLY SHOWN AT 50' INTERVALS.

SEE CURB RAMP DETAILS FOR MORE GRADES AND ADDITIONAL INFORMATION ON CURB & GUTTER.



PROJECT NO: 6370-01-73	HWY: STH 153	COUNTY: MARATHON	PAVING GRADES	SHEET 43	E



LEGEND

- AP01 REMOVING ASPHALTIC SURFACE, 4-INCH / PLACE 4" HMA PAVEMENT
- AP02 REMOVING ASPHALTIC SURFACE MILLING, 4-INCH / 4" HMA PAVEMENT
- AP03 REMOVING ASPHALTIC SURFACE MILLING, 1 3/4-INCH / HMA PAVEMENT 1 3/4-INCH
- CG01 CONCRETE CURB AND GUTTER 30-INCH TYPE D
- CG02 CONCRETE CURB AND GUTTER 30-INCH TYPE A
- CG03 CONCRETE CURB AND GUTTER 6-INCH SLOPE 36-INCH TYPE D
- CM01 CONCRETE SIDEWALK 4-INCH
- DR01 CONCRETE DRIVEWAY 6-INCH
- DR02 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 4-INCH
- DR03 AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH

NOTES:

REFER TO INTERSECTION DETAILS FOR ADDITIONAL INFORMATION AND DETAILS.

PAVEMENT GRADES ARE GIVEN TO THE FLANGE OF THE CURB & GUTTER AND THE R/L.

PAVEMENT GRADES ARE GENERALLY SHOWN AT 50' INTERVALS.

SEE CURB RAMP DETAILS FOR MORE GRADES AND ADDITIONAL INFORMATION ON CURB & GUTTER.

PROJECT NO: 6370-01-73	HWY: STH 153	COUNTY: MARATHON	PAVING GRADES	SHEET 44	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\021104_ID_PAVING GRADES.DWG
LAYOUT NAME - 08
PLOT DATE : 7/9/2021 11:16 AM
PLOT BY : MICHAEL W. BUCCELLI
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

BEGIN PROJECT
6370-01-75
STA 70+75.03

205+75 RANGELINE RD

70+18 71+00 72+00 73+00 74+00 75+00 76+00 77+00

STH 153

MATCHLINE STA 77+75

204+25 RANGELINE RD

214+25 MAPLE ST

LEGEND

A	INLET PROTECTION TYPE A	RM	REMOVE MANHOLE
C	INLET PROTECTION TYPE C	S	INLET COVERS TYPE S
R	RECONSTRUCTING MANHOLES OR INLETS		SILT FENCE
AI	ADJUST INLET COVER		WATER FLOW ARROW
AM	ADJUST MANHOLE COVER		EROSION MAT URBAN CLASS I TYPE A
RI	REMOVE INLET		SLOPE INTERCEPT

MATCHLINE STA 77+75

225+75 WILLOW ST

78+00 79+00 80+00 81+00 82+00 83+00 84+00 85+00

MATCHLINE STA 85+00

224+25 WILLOW ST

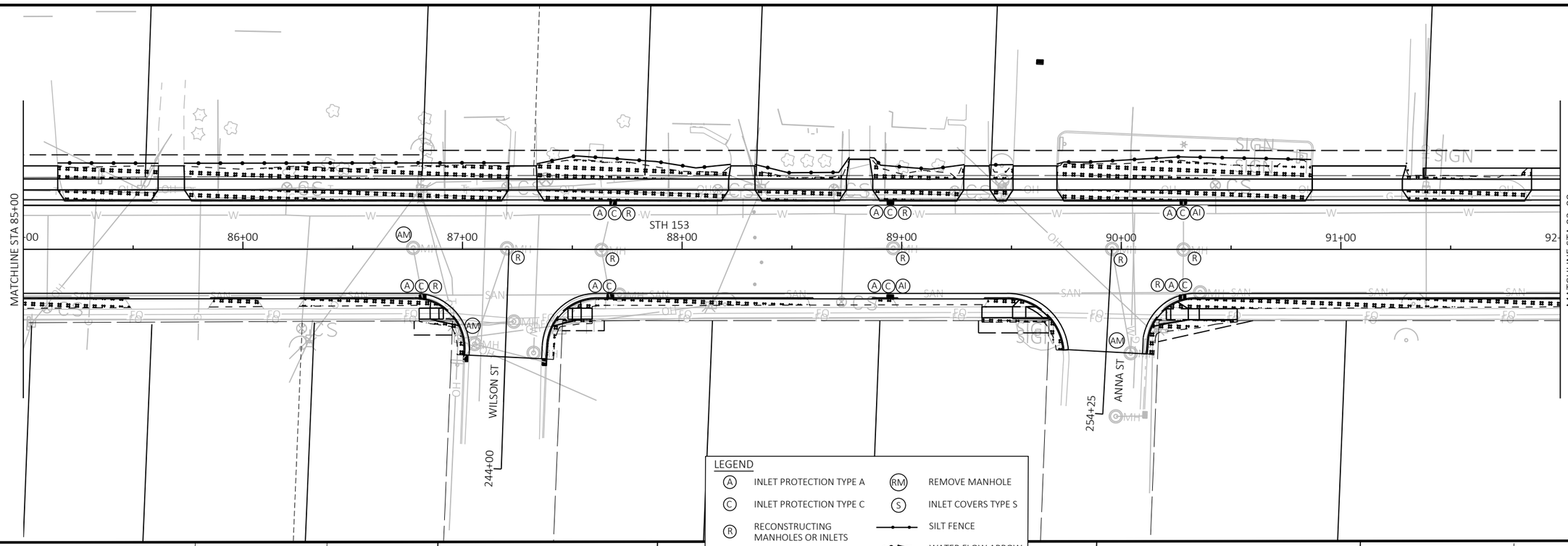
234+25 BIRCH ST

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	STORM SEWER/EROSION CONTROL	SHEET 45	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\022501_SS.DWG
LAYOUT NAME - SSSTH153 (1)

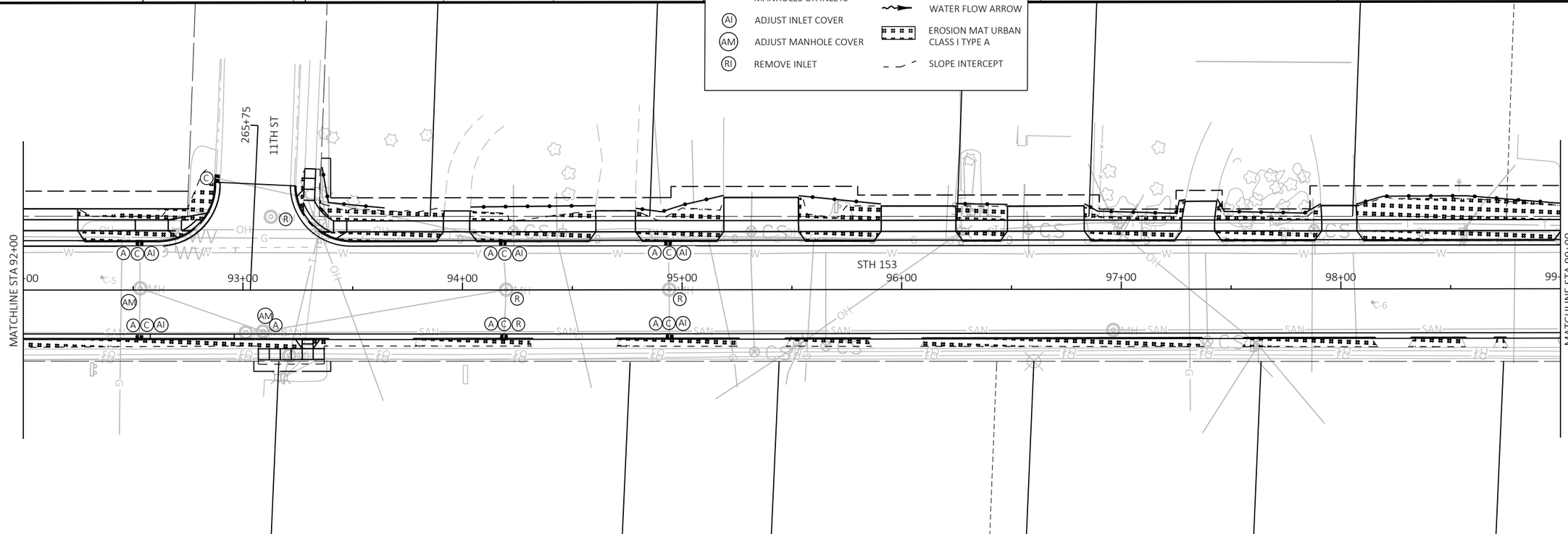
SHEET NAME: SSSTH153 (1)

PLOT SCALE : 1 IN:50 FT



LEGEND

A	INLET PROTECTION TYPE A	RM	REMOVE MANHOLE
C	INLET PROTECTION TYPE C	S	INLET COVERS TYPE S
R	RECONSTRUCTING MANHOLES OR INLETS		SILT FENCE
AI	ADJUST INLET COVER		WATER FLOW ARROW
AM	ADJUST MANHOLE COVER		EROSION MAT URBAN CLASS I TYPE A
RI	REMOVE INLET		SLOPE INTERCEPT

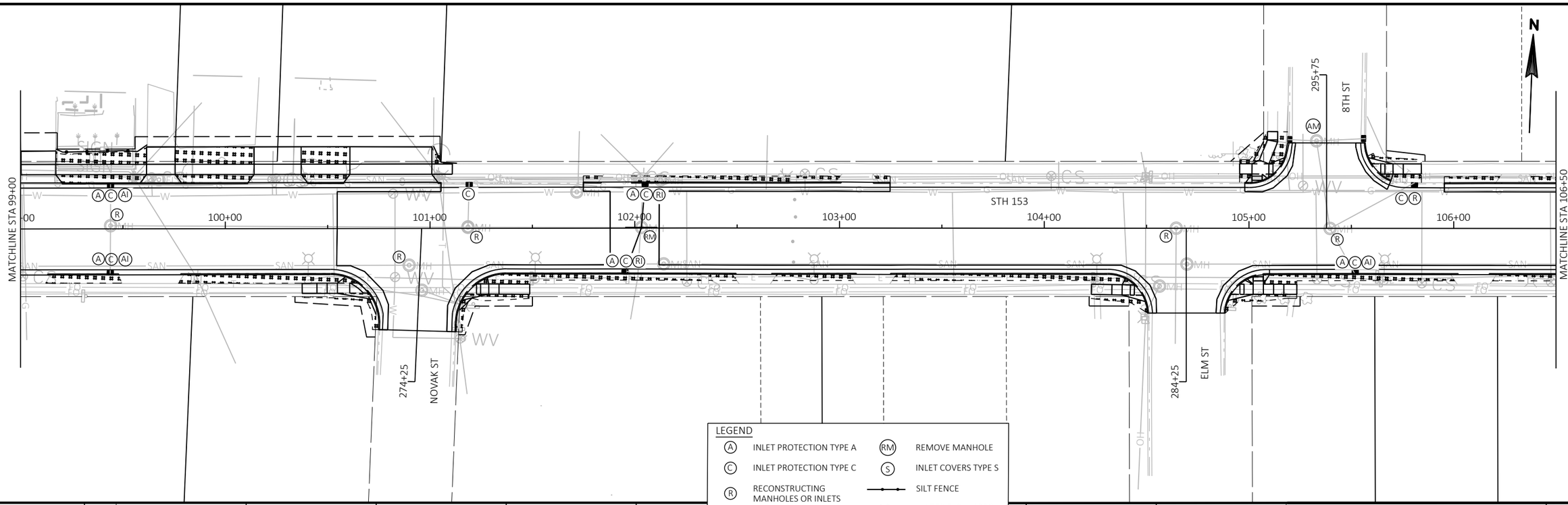


PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	STORM SEWER/EROSION CONTROL	SHEET 46 E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\022501_SS.DWG

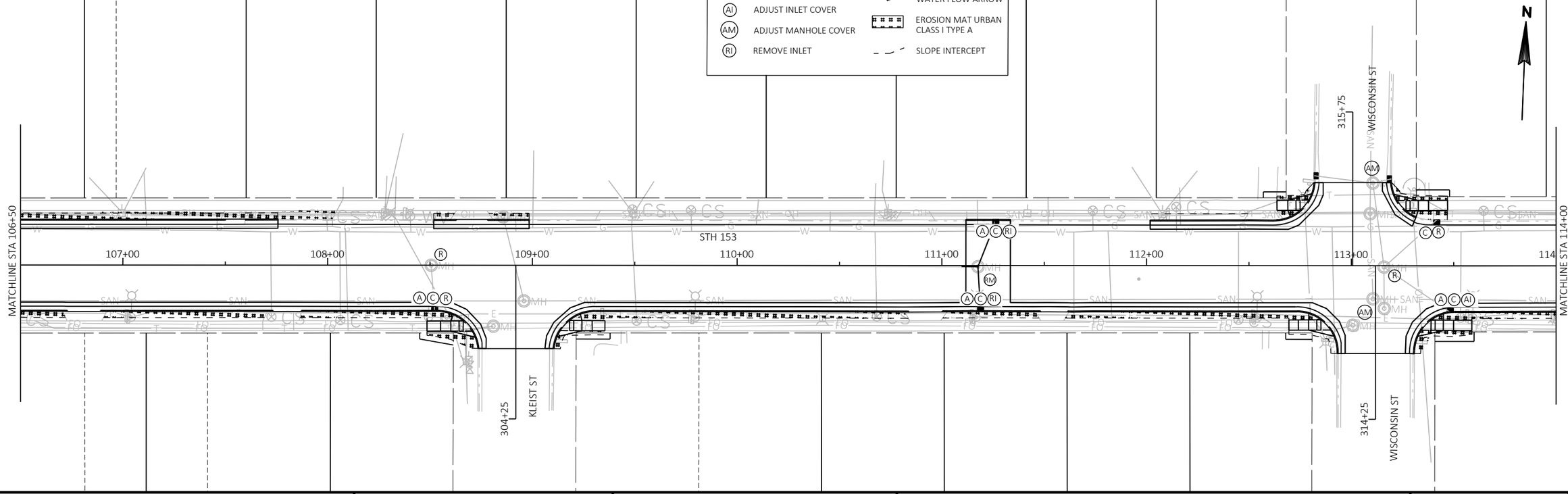
SHEET NAME: SSSTH153 (2)

2



LEGEND

(A)	INLET PROTECTION TYPE A	(RM)	REMOVE MANHOLE
(C)	INLET PROTECTION TYPE C	(S)	INLET COVERS TYPE S
(R)	RECONSTRUCTING MANHOLES OR INLETS		SILT FENCE
(AI)	ADJUST INLET COVER		WATER FLOW ARROW
(AM)	ADJUST MANHOLE COVER		EROSION MAT URBAN CLASS I TYPE A
(RI)	REMOVE INLET		SLOPE INTERCEPT



PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	STORM SEWER/EROSION CONTROL	SHEET	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\022501_SS.DWG

SHEET NAME: SSSTH153 (3)

2

N

326+25

5TH ST

STH 153

MATCHLINE STA 114+00

+00

115+00

116+00

117+00

118+00

119+00

120

MATCHLINE STA 120+00

LEGEND

A	INLET PROTECTION TYPE A	RM	REMOVE MANHOLE
C	INLET PROTECTION TYPE C	S	INLET COVERS TYPE S
R	RECONSTRUCTING MANHOLES OR INLETS		SILT FENCE
AI	ADJUST INLET COVER		WATER FLOW ARROW
AM	ADJUST MANHOLE COVER		EROSION MAT URBAN CLASS I TYPE A
RI	REMOVE INLET		SLOPE INTERCEPT

MATCHLINE STA 120+00

+00

N87° 44' 37"E

121+00

122+00

4TH ST

123+00

124+00

STH 153

125+00

126+00

127

MATCHLINE STA 127+00

344+25

FREMONT ST

355+50

JACKSON ST

354+50

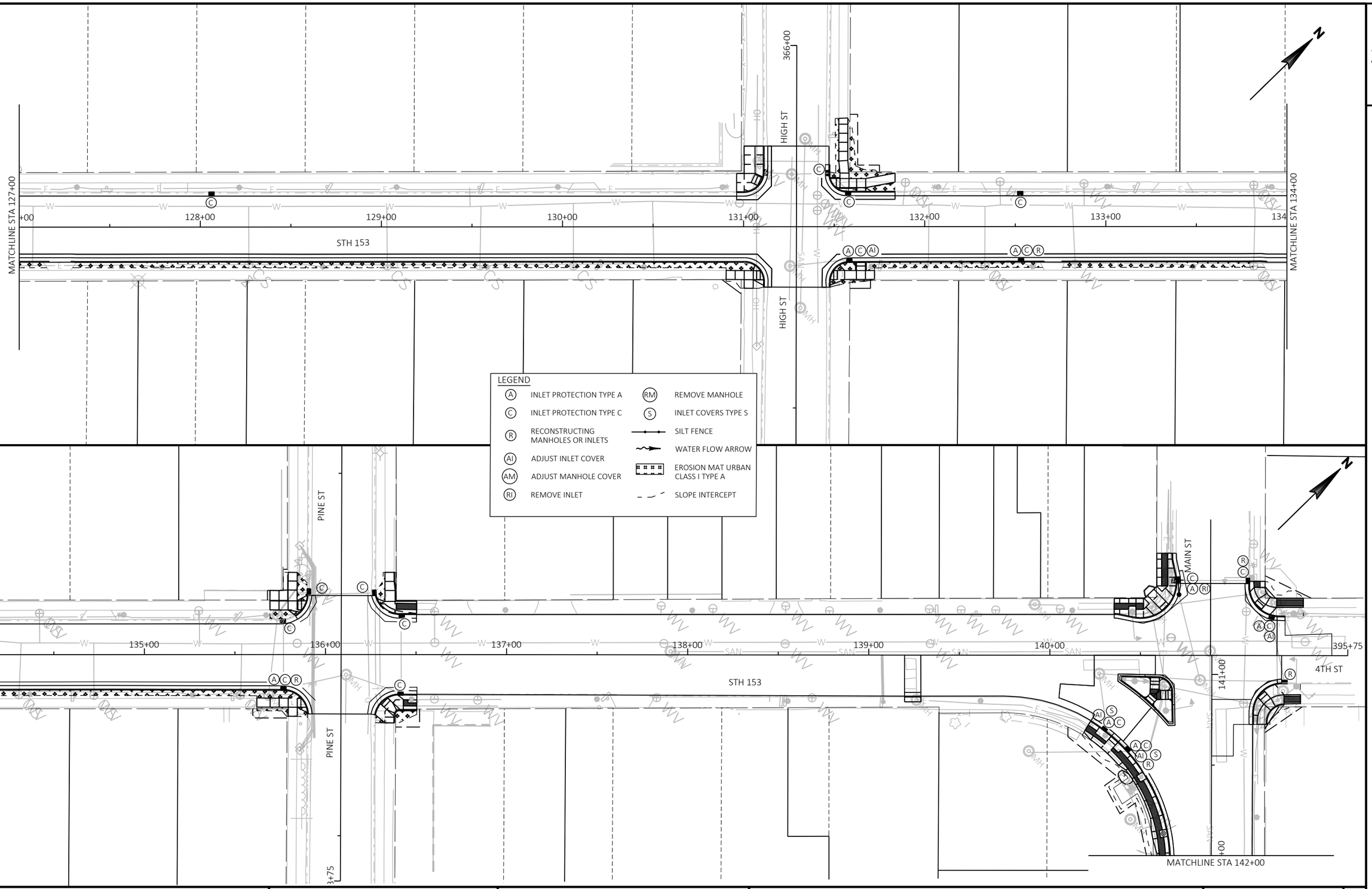
JACKSON ST

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	STORM SEWER/EROSION CONTROL	SHEET 48 E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\022501_SS.DWG

SHEET NAME: SSSTH153 (4)

2

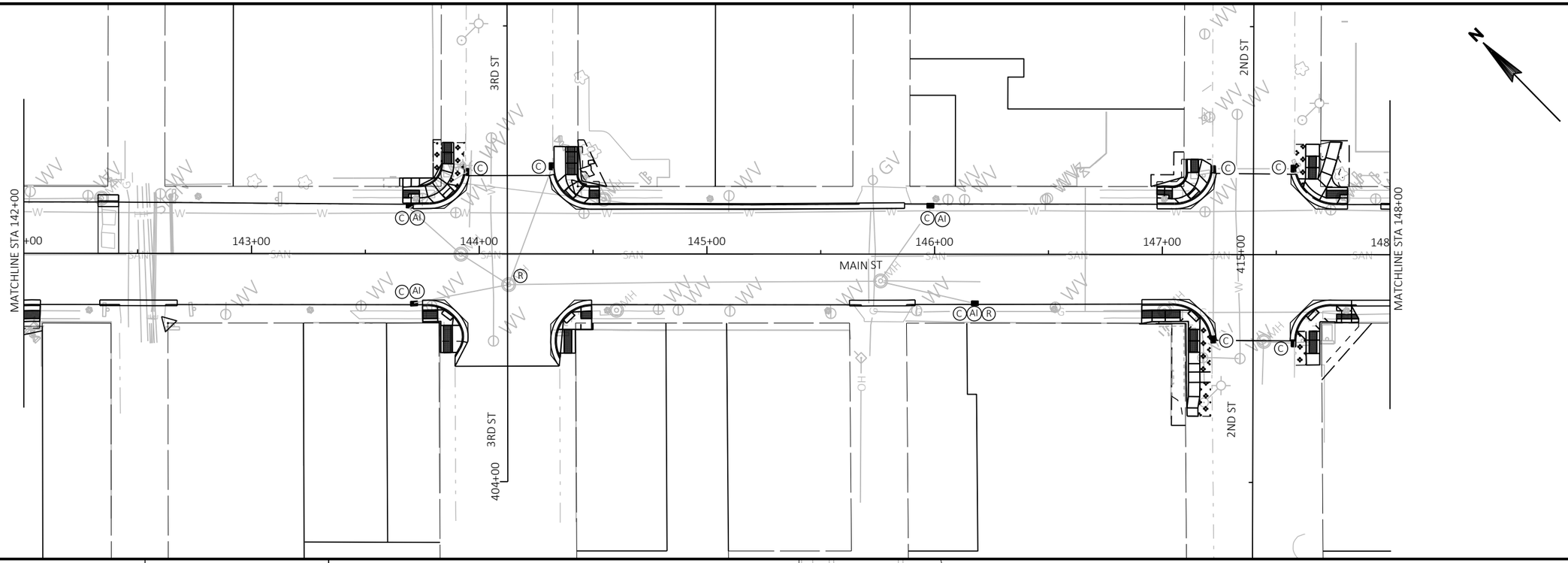


PROJECT NO: 6370-01-75 & 6370-01-73	HWY: STH 153	COUNTY: MARATHON	STORM SEWER/EROSION CONTROL	SHEET 49	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\022501_SS.DWG

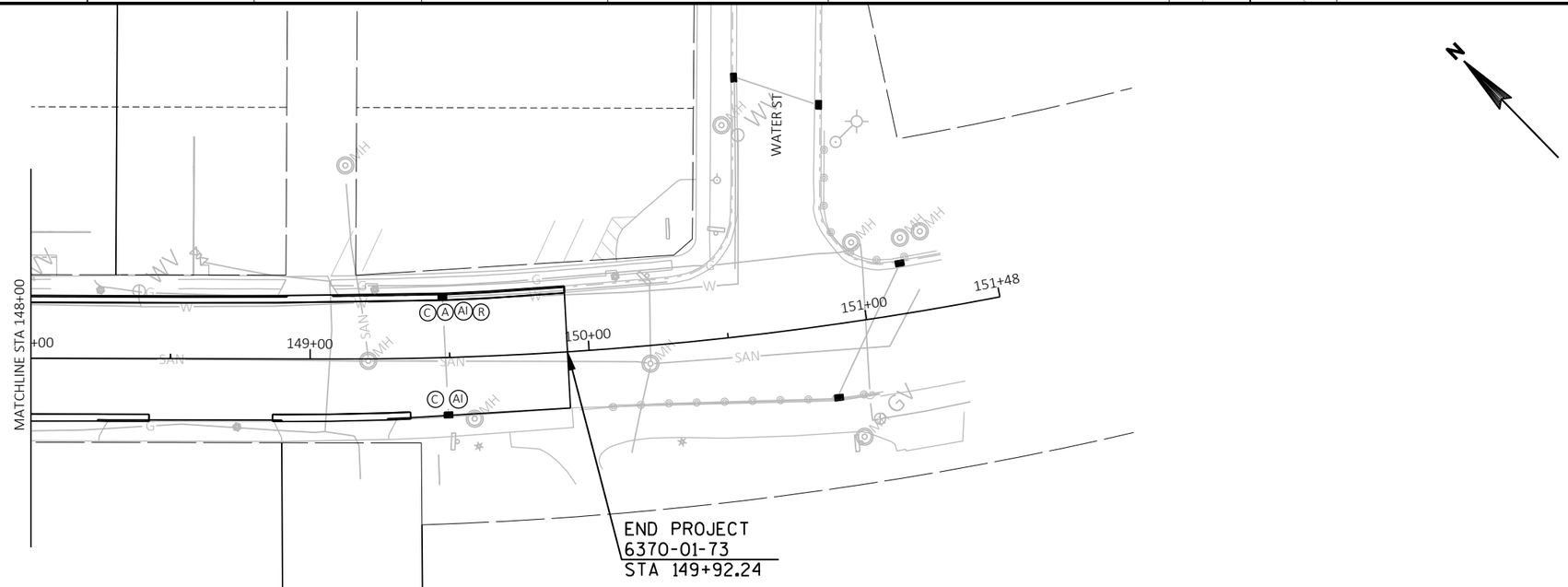
SHEET NAME: SSSTH153 (5)

2



LEGEND

(A)	INLET PROTECTION TYPE A	(RM)	REMOVE MANHOLE
(C)	INLET PROTECTION TYPE C	(S)	INLET COVERS TYPE S
(R)	RECONSTRUCTING MANHOLES OR INLETS		SILT FENCE
(AI)	ADJUST INLET COVER		WATER FLOW ARROW
(AM)	ADJUST MANHOLE COVER		EROSION MAT URBAN CLASS I TYPE A
(RI)	REMOVE INLET		SLOPE INTERCEPT



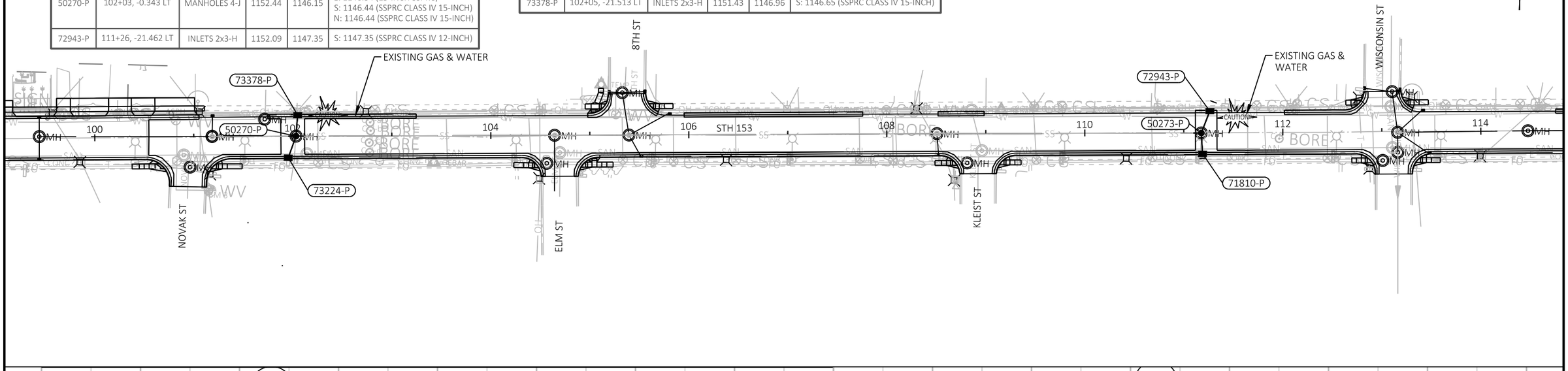
PROJECT NO: 6370-01-73	HWY: STH 153	COUNTY: MARATHON	STORM SEWER/EROSION CONTROL	SHEET 50	E

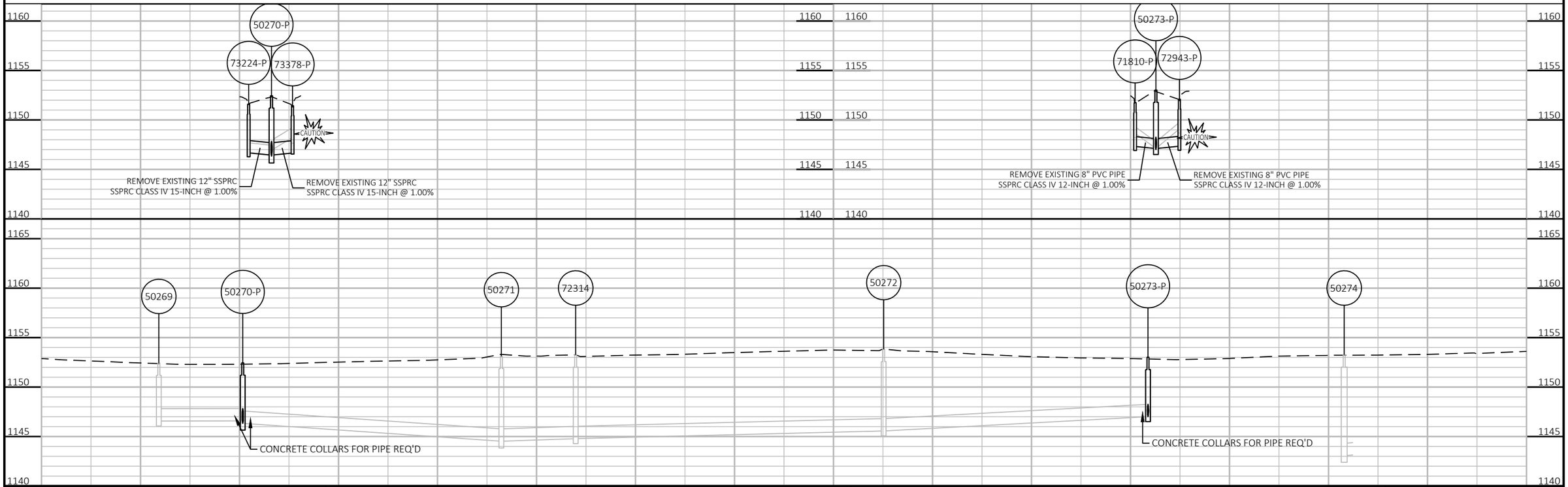
FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\022501_SS.DWG

SHEET NAME: SSSTH153 (6)

Structure Table					
NUMBER	STATION OFFSET	SIZE	RIM	SUMP	CONNECTED PIPES
50273-P	111+18, 0.584 RT	MANHOLES 4-J	1153.01	1147.01	N: 1147.11 (SSPRC CLASS IV 12-INCH) S: 1147.11 (SSPRC CLASS IV 12-INCH) W: 1147.01 (15-INCH SSPRC)
50270-P	102+03, -0.343 LT	MANHOLES 4-J	1152.44	1146.15	W: 1146.59 (15-INCH SSPRC) E: 1146.34 (15-INCH SSPRC) S: 1146.44 (SSPRC CLASS IV 15-INCH) N: 1146.44 (SSPRC CLASS IV 15-INCH)
72943-P	111+26, -21.462 LT	INLETS 2x3-H	1152.09	1147.35	S: 1147.35 (SSPRC CLASS IV 12-INCH)

Structure Table					
NUMBER	STATION OFFSET	SIZE	RIM	SUMP	CONNECTED PIPES
71810-P	111+19, 21.544 RT	INLETS 2x3-H	1151.74	1147.32	N: 1147.32 (SSPRC CLASS IV 12-INCH)
73224-P	101+95, 21.329 RT	INLETS 2x3-H	1151.59	1146.69	N: 1146.67 (SSPRC CLASS IV 15-INCH)
73378-P	102+05, -21.513 LT	INLETS 2x3-H	1151.43	1146.96	S: 1146.65 (SSPRC CLASS IV 15-INCH)

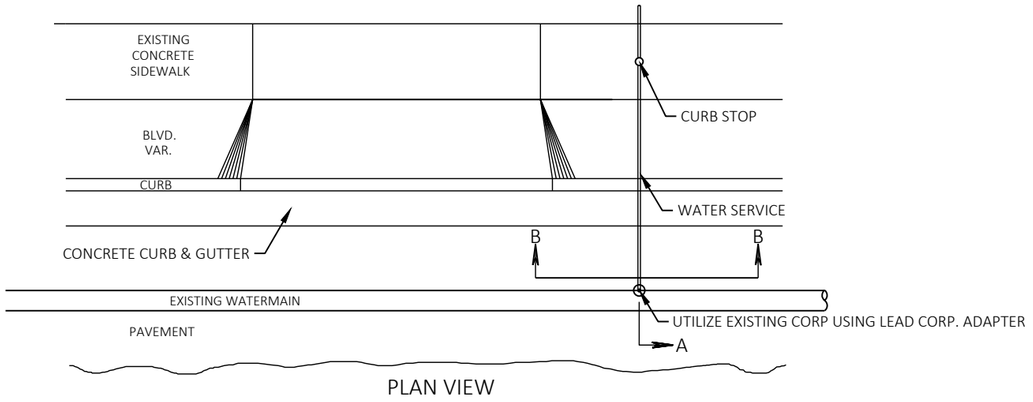




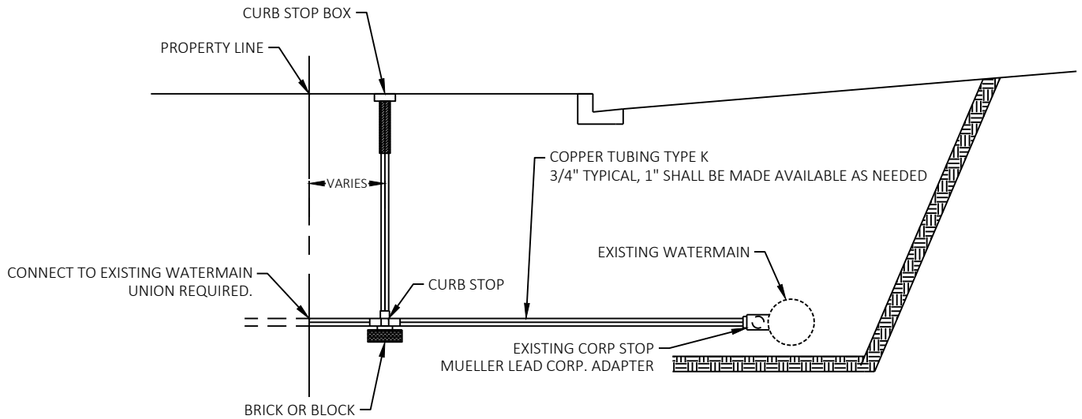
PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	STORM SEWER	SHEET 51	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\022502_SS.DWG
LAYOUT NAME - 01

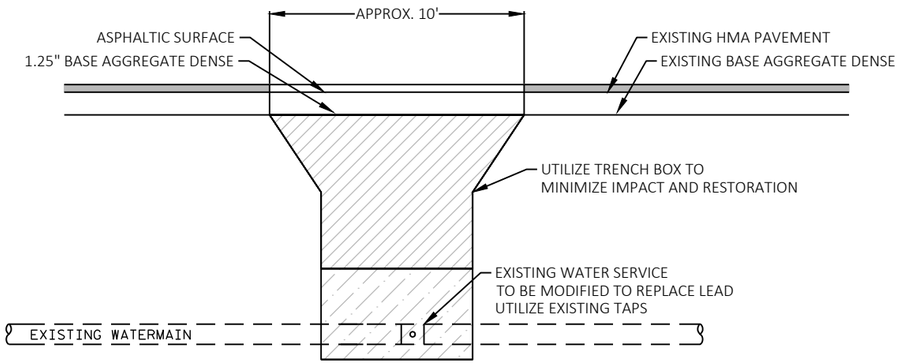
PLOT DATE : 11/9/2021 3:48 PM PLOT BY : CORY IHDE PLOT NAME : PLOT SCALE : 1 IN:100 FT



PLAN VIEW

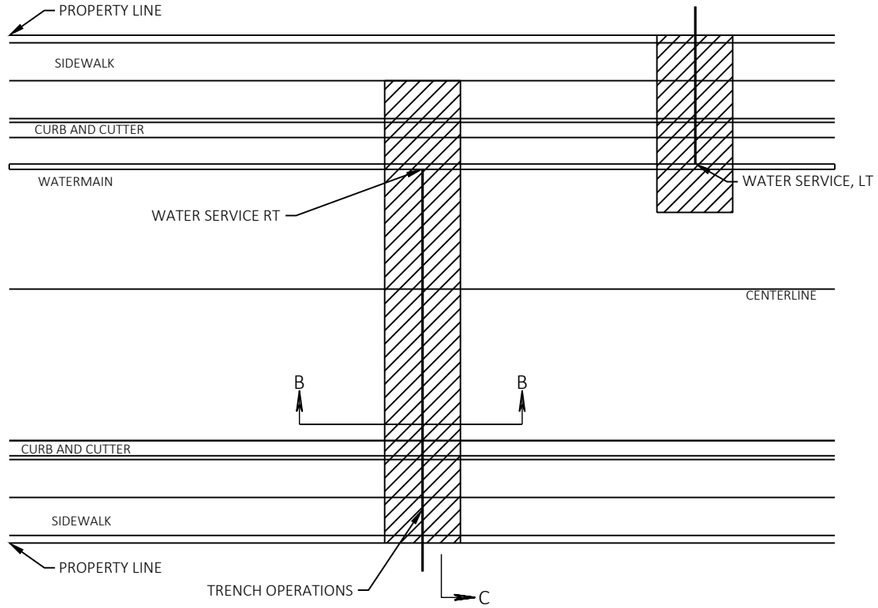


SECTION A - A (LEFT SIDE ILLUSTRATED)



SECTION B - B

WATER SERVICE DETAIL OPEN TRENCHED



PLAN VIEW

SECTION C - C

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

WATER SERVICE TRENCH:

NOTES: FOLLOW STANDARDS FOR CLEARANCES TO SANITARY AND SS UTILIITES.
UTILIITY LOCATIONS ILLUSTARTED FOR AWARNESS ONLY CONTRACTOR SHALL LOCATE UTLITIES DURING OPERATIONS.

2

UTILITY NOTES:

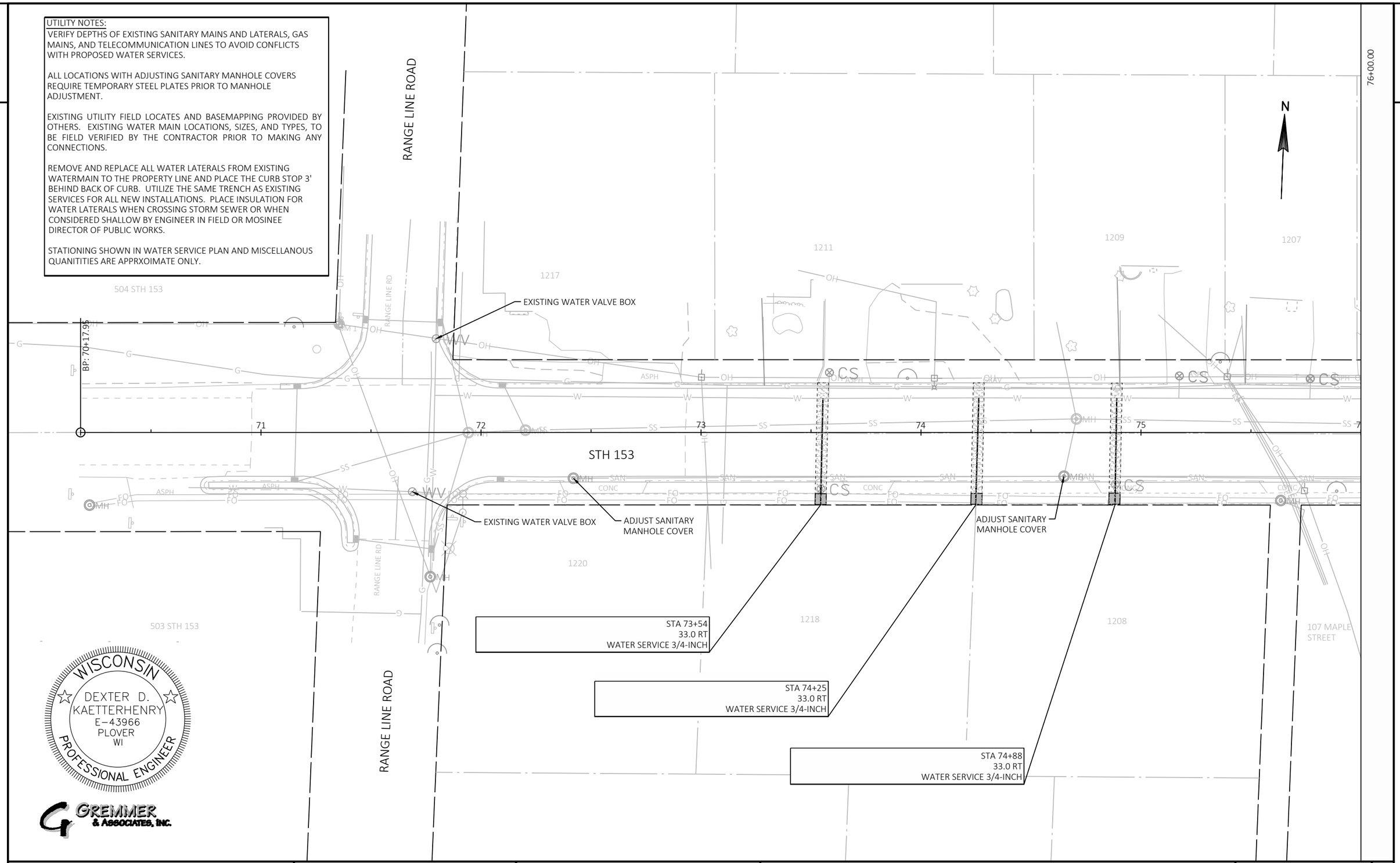
VERIFY DEPTHS OF EXISTING SANITARY MAINS AND LATERALS, GAS MAINS, AND TELECOMMUNICATION LINES TO AVOID CONFLICTS WITH PROPOSED WATER SERVICES.

ALL LOCATIONS WITH ADJUSTING SANITARY MANHOLE COVERS REQUIRE TEMPORARY STEEL PLATES PRIOR TO MANHOLE ADJUSTMENT.

EXISTING UTILITY FIELD LOCATES AND BASEMAPPING PROVIDED BY OTHERS. EXISTING WATER MAIN LOCATIONS, SIZES, AND TYPES, TO BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO MAKING ANY CONNECTIONS.

REMOVE AND REPLACE ALL WATER LATERALS FROM EXISTING WATERMAIN TO THE PROPERTY LINE AND PLACE THE CURB STOP 3' BEHIND BACK OF CURB. UTILIZE THE SAME TRENCH AS EXISTING SERVICES FOR ALL NEW INSTALLATIONS. PLACE INSULATION FOR WATER LATERALS WHEN CROSSING STORM SEWER OR WHEN CONSIDERED SHALLOW BY ENGINEER IN FIELD OR MOSINEE DIRECTOR OF PUBLIC WORKS.

STATIONING SHOWN IN WATER SERVICE PLAN AND MISCELLANOUS QUANITITIES ARE APPRXOIMATE ONLY.



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

GREMMER & ASSOCIATES, INC.

PROJECT NO: 6370-01-76	HWY: STH 153	COUNTY: MARATHON	WATER SERVICES PLAN	SHEET 53	E

FILE NAME : P:\PROJECTS_CURRENT\MARATHON\MOSINEE, CITY OF\WESTERN AVE - WATER SERVICES\ACAD\SHEETSPLAN\023001_UP\023001_UP.DWG
LAYOUT NAME - 050101

PLOT DATE : 2/23/2021 4:19 PM PLOT BY : BRANDON KAISER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

N

82+00.00

76+00.00

WILLOW STREET

STH 153

EXISTING SANITARY MANHOLE COVER

EXISTING SANITARY MANHOLE COVER

ADJUST SANITARY MANHOLE COVER

MAPLE STREET

WILLOW STREET

107 MAPLE STREET

1205 1203 1201 1201 1127 1125

1204 1202 1128

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

GREMMER & ASSOCIATES, INC.

PROJECT NO: 6370-01-76	HWY: STH 153	COUNTY: MARATHON	WATER SERVICES PLAN	SHEET 54	E

FILE NAME : P:\PROJECTS_CURRENT\MARATHON\MOSINEE, CITY OF\WESTERN AVE - WATER SERVICES\ACAD\SHEETSPLAN\023001_UP\023001_UP.DWG
LAYOUT NAME - 050102

PLOT DATE : 2/23/2021 4:19 PM PLOT BY : BRANDON KAISER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

N

88+00.06

82+00.00

STH 153

BIRCH STREET

WILSON STREET

102 BIRCH STREET

EXISTING SANITARY MANHOLE COVER

EXISTING WATER VALVE BOX

ADJUST SANITARY MANHOLE COVER

STA 82+78
33.2 RT
WATER SERVICE 3/4-INCH

STA 85+11
33.0 RT
WATER SERVICE 3/4-INCH

STA 86+27
33.0 RT
WATER SERVICE 3/4-INCH

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

GREMMER & ASSOCIATES, INC.

PROJECT NO: 6370-01-76	HWY: STH 153	COUNTY: MARATHON	WATER SERVICES PLAN	SHEET 55	E

FILE NAME : P:\PROJECTS_CURRENT\MARATHON\MOSINEE, CITY OF\WESTERN AVE - WATER SERVICES\ACAD\SHEETSPLAN\023001_UP\023001_UP.DWG
LAYOUT NAME - 050103

PLOT DATE : 2/23/2021 4:19 PM PLOT BY : BRANDON KAISER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

N

94+00.00

88+00.06

11TH STREET

ANNA STREET

STH 153

EXISTING WATER VALVE BOX

P.I. 93+77.58

ADJUST SANITARY MANHOLE COVER

ADJUST SANITARY MANHOLE COVER

STA 88+72
32.8 RT
WATER SERVICE 3/4-INCH

1111 1109 1107 1105 1103 1102

1110 1108 1106 LOT 2 1026 LOT 1

88 89 90 91 92 93 94

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

GREMMER & ASSOCIATES, INC.

PROJECT NO: 6370-01-76	HWY: STH 153	COUNTY: MARATHON	WATER SERVICES PLAN	SHEET 56	E

FILE NAME : P:\PROJECTS_CURRENT\MARATHON\MOSINEE, CITY OF\WESTERN AVE - WATER SERVICES\ACAD\SHEETSPLAN\023001_UP\023001_UP.DWG
LAYOUT NAME - 050104

PLOT DATE : 2/23/2021 4:19 PM PLOT BY : BRANDON KAISER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

N

100+00.00

94+00.00

STH 153

ADJUST SANITARY
MANHOLE COVER

STA 95+65
32.9 RT
WATER SERVICE 3/4-INCH

STA 97+40
32.9 RT
WATER SERVICE 3/4-INCH

STA 95+33
32.9 RT
WATER SERVICE 3/4-INCH

STA 98+07
32.9 RT
WATER SERVICE 3/4-INCH

STA 99+01
32.9 RT
WATER SERVICE 3/4-INCH

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

GREMMER & ASSOCIATES, INC.

PROJECT NO: 6370-01-76	HWY: STH 153	COUNTY: MARATHON	WATER SERVICES PLAN	SHEET 57	E

FILE NAME : P:\PROJECTS_CURRENT\MARATHON\MOSINEE, CITY OF\WESTERN AVE - WATER SERVICES\ACAD\SHEETSPLAN\023001_UP\023001_UP.DWG
LAYOUT NAME - 050105

PLOT DATE : 2/23/2021 4:19 PM PLOT BY : BRANDON KAISER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

GREMMER & ASSOCIATES, INC.

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

N

8TH STREET

106+00.00

EXISTING WATER VALVE BOX

EXISTING WATER VALVE BOX

Pt. 102+32.16

EXISTING SANITARY MANHOLE COVER

EXISTING SANITARY MANHOLE COVER

EXISTING WATER VALVE BOX

EXISTING SANITARY MANHOLE COVER

NOVAK STREET

ELM STREET

STA 102+25
33.0 RT
WATER SERVICE 3/4-INCH

STA 103+56
32.8 RT
WATER SERVICE 3/4-INCH

STA 104+39
33.0 RT
WATER SERVICE 3/4-INCH

STA 105+33
32.8 RT
WATER SERVICE 3/4-INCH

STA 100+53
33.0 RT
WATER SERVICE 3/4-INCH

STA 105+84
32.8 RT
WATER SERVICE 3/4-INCH

100+00.00

PROJECT NO: 6370-01-76	HWY: STH 153	COUNTY: MARATHON	WATER SERVICES PLAN	SHEET 58	E

FILE NAME : P:\PROJECTS_CURRENT\MARATHON\MOSINEE, CITY OF\WESTERN AVE - WATER SERVICES\ACAD\SHEETSPLAN\023001_UP\023001_UP.DWG
LAYOUT NAME - 050106

PLOT DATE : 2/23/2021 4:20 PM PLOT BY : BRANDON KAISER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

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

GREMMER & ASSOCIATES, INC.

N

112+00.06

2

919 917 915 913 911 909 907 905 903

106 107 108 109 110 111

920 916 914 912 910 908 906 904

EXISTING SANITARY MANHOLE COVER

KLEIST STREET

STA 107+73
32.9 RT
WATER SERVICE 3/4-INCH

STA 108+06
32.9 RT
WATER SERVICE 3/4-INCH

STA 106+48
32.8 RT
WATER SERVICE 3/4-INCH

STA 109+51
32.9 RT
WATER SERVICE 3/4-INCH

STA 110+68
32.9 RT
WATER SERVICE 3/4-INCH

STA 111+65
32.9 RT
WATER SERVICE 3/4-INCH

STA 111+83
32.9 RT
WATER SERVICE 3/4-INCH

106+00.00

PROJECT NO: 6370-01-76	HWY: STH 153	COUNTY: MARATHON	WATER SERVICES PLAN	SHEET 59	E

FILE NAME : P:\PROJECTS_CURRENT\MARATHON\MOSINEE, CITY OF\WESTERN AVE - WATER SERVICES\ACAD\SHEETSPLAN\023001_UP\023001_UP.DWG
LAYOUT NAME - 050107

PLOT DATE : 2/23/2021 4:20 PM PLOT BY : BRANDON KAISER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

N

WISCONSIN STREET

805 5TH STREET

5TH STREET

117+99.96

EXISTING SANITARY MANHOLE COVER

EXISTING WATER VALVE BOX

EXISTING SANITARY MANHOLE COVER

WISCONSIN STREET

STA 115+68
32.2 RT
WATER SERVICE 3/4-INCH

STA 116+28
32.2 RT
WATER SERVICE 3/4-INCH

STA 117+05
32.1 RT
WATER SERVICE 3/4-INCH

STA 112+45
32.9 RT
WATER SERVICE 3/4-INCH

STA 113+53
32.3 RT
WATER SERVICE 3/4-INCH

112+00.06

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

GREMMER & ASSOCIATES, INC.

PROJECT NO: 6370-01-76	HWY: STH 153	COUNTY: MARATHON	WATER SERVICES PLAN	SHEET 60	E

FILE NAME : P:\PROJECTS_CURRENT\MARATHON\MOSINEE, CITY OF\WESTERN AVE - WATER SERVICES\ACAD\SHEETSPLAN\023001_UP\023001_UP.DWG
LAYOUT NAME - 050108

PLOT DATE : 2/23/2021 4:20 PM PLOT BY : BRANDON KAISER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

N

FREMONT STREET

802 5TH STREET

804 5TH STREET

805

801

709 4TH ST

711 4TH ST

713 4TH ST

715 4TH ST

708 4TH ST

710 4TH ST

712 4TH ST

714 4TH ST

808

806

804

800 W. 4TH ST.

4TH STREET

FREMONT STREET

PC: 120+72.09

PT: 122+80.56

118

119

120

121

122

123

ADJUST WATER VALVE BOX

ADJUST SANITARY MANHOLE COVER

118+69
32.1 RT
RESTORE CURB & GUTTER, GRASS TERRACE AND
SIDEWALK AT EXISTING WATER SERVICE LOCATION

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

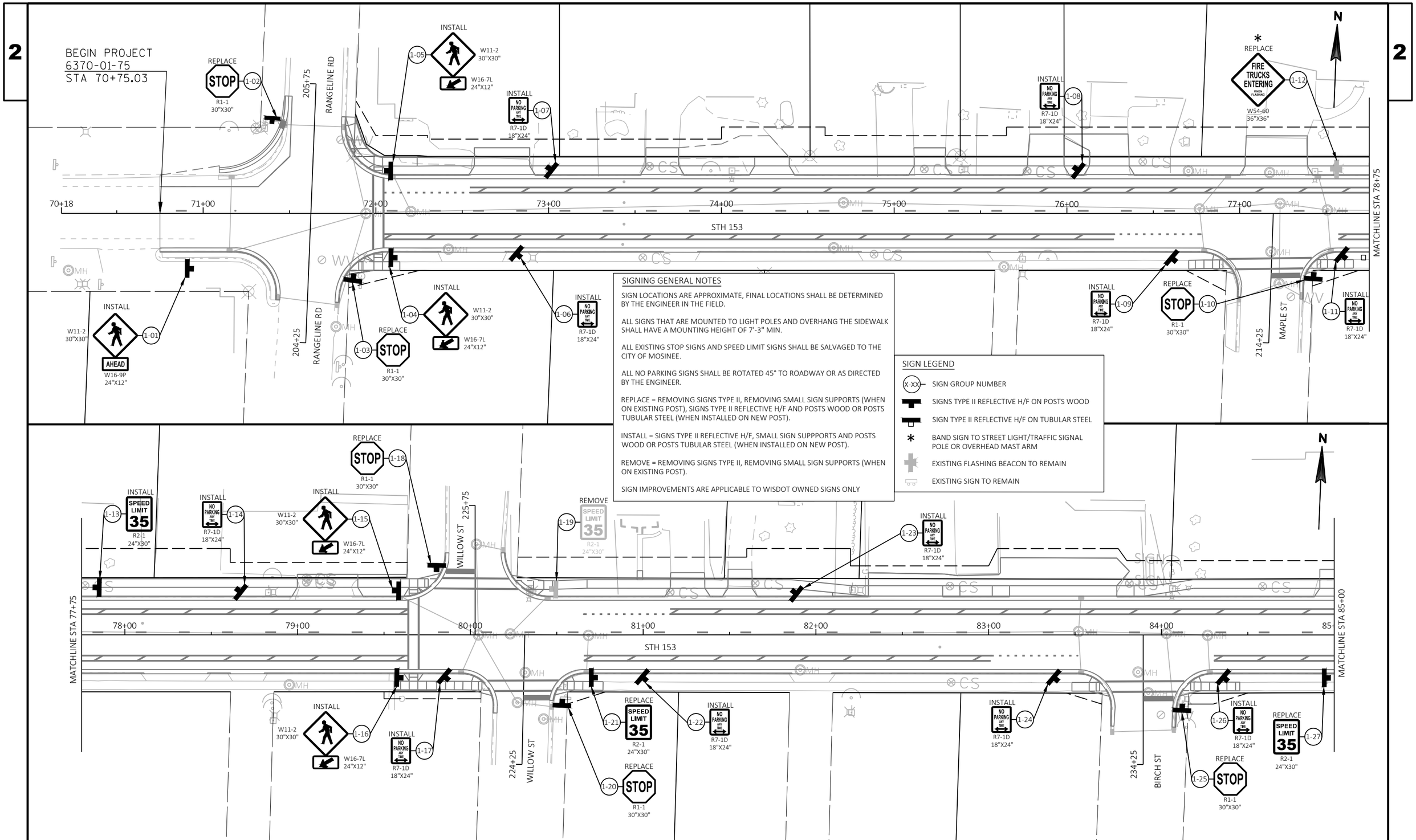
GREMMER & ASSOCIATES, INC.

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	WATER SERVICES PLAN	SHEET 61	E

FILE NAME : P:\PROJECTS_CURRENT\MARATHON\MOSINEE, CITY OF\WESTERN AVE - WATER SERVICES\ACAD\SHEETSPLAN\023001_UP\023001_UP.DWG
LAYOUT NAME - 050109

PLOT DATE : 11/29/2021 3:08 PM PLOT BY : DEXTER KAETTERHENRY PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

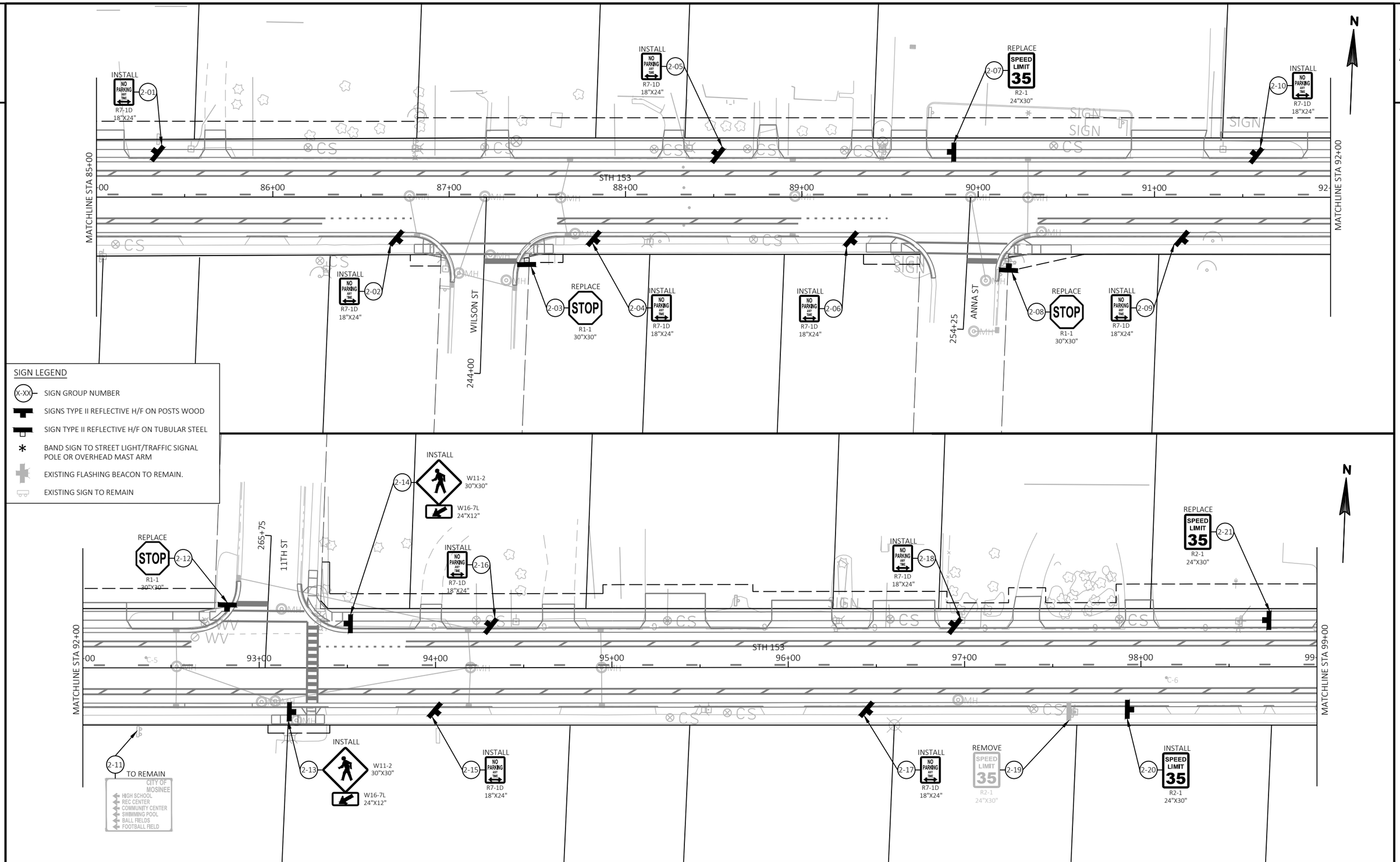


PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	PERMANENT SIGNING	SHEET 62	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - SGSTH153 (1)

SHEET NAME: SGSTH153 (1)

PLOT SCALE : 1 IN:50 FT



PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	PERMANENT SIGNING	SHEET 63	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\023201_PS.DWG

SHEET NAME: SGSTH153 (2)

2

2

SIGN LEGEND

- (X-XX) — SIGN GROUP NUMBER
- SIGNS TYPE II REFLECTIVE H/F ON POSTS WOOD
- SIGN TYPE II REFLECTIVE H/F ON TUBULAR STEEL
- * BAND SIGN TO STREET LIGHT/TRAFFIC SIGNAL POLE OR OVERHEAD MAST ARM
- EXISTING FLASHING BEACON TO REMAIN
- EXISTING SIGN TO REMAIN

MATCHLINE STA 99+00

MATCHLINE STA 106+50

MATCHLINE STA 106+50

MATCHLINE STA 114+00

STH 153

STH 153

100+00 101+00 102+00 103+00 104+00 105+00 106+00

107+00 108+00 109+00 110+00 111+00 112+00 113+00

274+25 NOVAK ST

304+25 KLEIST ST

2844+25 ELM ST

314+25 WISCONSIN ST

315+75 WISCONSIN ST

295+75 8TH ST

N

N

3-01 REPLACE NO PARKING ANY TIME R7-1D 18"X24"

3-02 * INSTALL NO PARKING ANY TIME R7-1D 18"X24"

3-03 REPLACE NO PARKING ANY TIME R7-1D 18"X24"

3-04 REPLACE STOP R1-1 30"X30"

3-05 * REPLACE NO PARKING ANY TIME R7-1D 18"X24"

3-06 REPLACE SPEED LIMIT 35 R2-1 24"X30"

3-07 * REPLACE NO PARKING ANY TIME R7-1D 18"X24"

3-08 REPLACE NO PARKING ANY TIME R7-1D 18"X24"

3-09 INSTALL W11-2 30"X30" W16-7L 24"X12"

3-10 REPLACE STOP R1-1 30"X30"

3-11 INSTALL W11-2 30"X30" W16-7L 24"X12"

3-12 REPLACE STOP R1-1 30"X30"

3-13 * REPLACE NO PARKING ANY TIME R7-1D 18"X24"

3-14 REPLACE NO PARKING ANY TIME R7-1D 18"X24"

3-15 * REPLACE NO PARKING ANY TIME R7-1D 18"X24"

3-16 REPLACE NO PARKING ANY TIME R7-1D 18"X24"

3-17 REPLACE SPEED LIMIT 35 R2-1 24"X30"

3-18 REPLACE STOP R1-1 30"X30"

3-19 REPLACE SPEED LIMIT 25 R2-1 24"X30"

3-20 * REPLACE NO PARKING ANY TIME R7-1D 18"X24"

3-21 REPLACE NO PARKING ANY TIME R7-1D 18"X24"

3-22 * REPLACE NO PARKING ANY TIME R7-1D 18"X24"

3-23 REPLACE NO PARKING ANY TIME R7-1D 18"X24"

3-24 * REPLACE NO PARKING ANY TIME R7-1D 18"X24"

3-25 REPLACE STOP R1-1 30"X30"

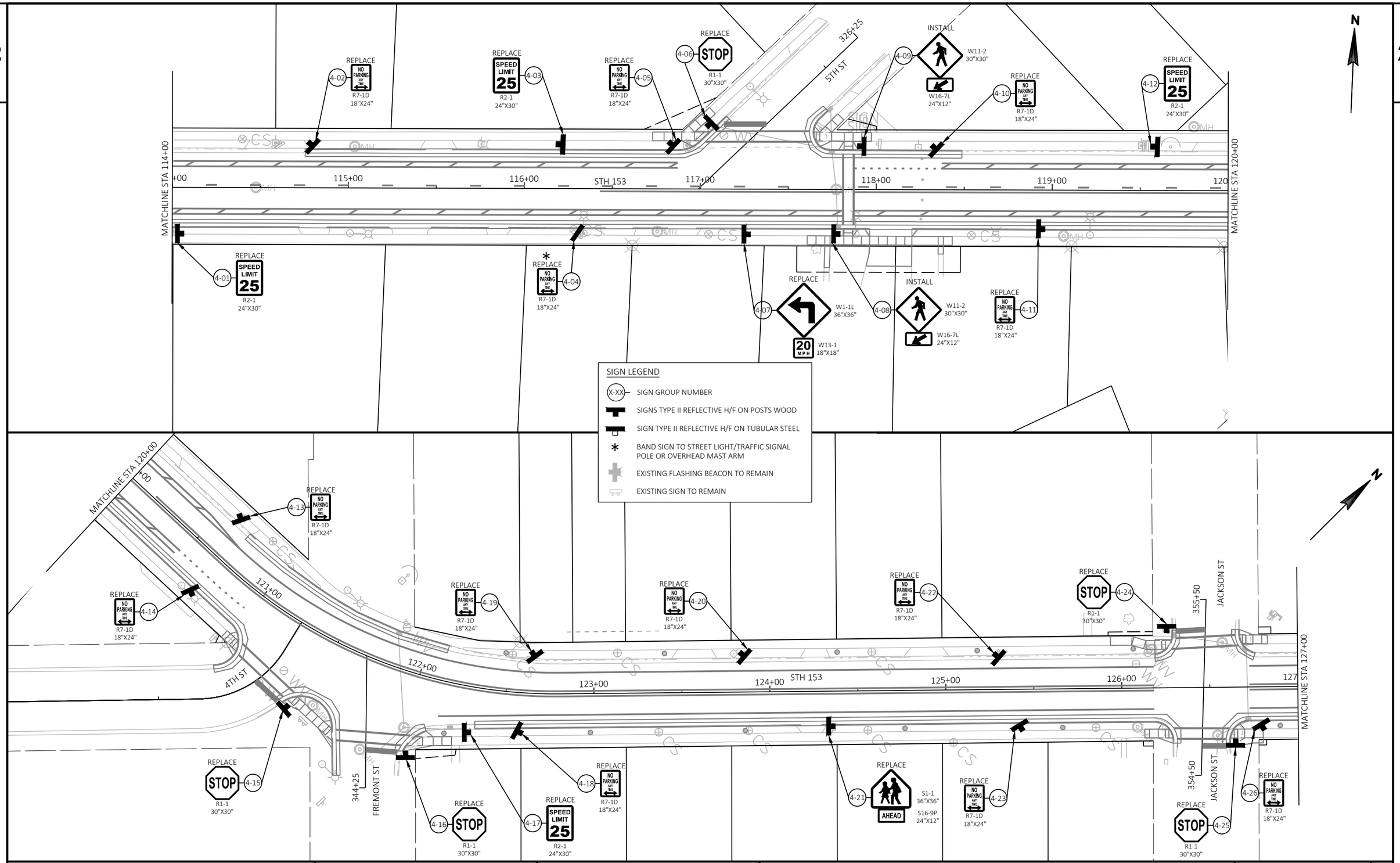
3-26 REPLACE STOP R1-1 30"X30"

3-27 * REPLACE NO PARKING ANY TIME R7-1D 18"X24"

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	PERMANENT SIGNING	SHEET 64	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\023201_PS.DWG

SHEET NAME: SGSTH153 (3)



PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	PERMANENT SIGNING	SHEET 65	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\023201_PS.DWG

SHEET NAME: SGSTH153 (4)

2

2

SIGN LEGEND

- (X-XX) SIGN GROUP NUMBER
- SIGNS TYPE II REFLECTIVE H/F ON POSTS WOOD
- SIGN TYPE II REFLECTIVE H/F ON TUBULAR STEEL
- * BAND SIGN TO STREET LIGHT/TRAFFIC SIGNAL POLE OR OVERHEAD MAST ARM
- EXISTING FLASHING BEACON TO REMAIN
- EXISTING SIGN TO REMAIN

MATCHLINE STA 127+00

+00

128+00

129+00

130+00

131+00

366+00

HIGH ST

132+00

133+00

134

MATCHLINE STA 134+00

STH 153

REPLACE NO PARKING ANY TIME 5-01 R7-1D 18"X24"

REPLACE SPEED LIMIT 25 5-02 R2-1 24"X30"

REPLACE NO PARKING ANY TIME 5-04 R7-1D 18"X24"

REPLACE STOP 5-06 R1-1 30"X30"

INSTALL 5-10 S1-1 36"X36" W16-7L 24"X12"

INSTALL NO PARKING ANY TIME 5-11 R7-1D 18"X24"

REPLACE AHEAD 5-13 S1-1 36"X36" S16-9P 24"X12"

INSTALL AHEAD 5-03 S1-1 36"X36" S16-9P 24"X12"

REPLACE NO PARKING ANY TIME 5-05 R7-1D 18"X24"

REPLACE NO PARKING ANY TIME 5-09 R7-1D 18"X24"

INSTALL 5-08 S1-1 36"X36" W16-7L 24"X12"

REPLACE STOP 5-07 R1-1 30"X30"

REPLACE SPEED LIMIT 25 5-12 R2-1 24"X30"

N

MATCHLINE STA 134+00

+00

135+00

136+00

137+00

138+00

139+00

140+00

141+00

395+75

4TH ST

PINE ST

MAIN ST

END PROJECT 6370-01-75
BEGIN PROJECT 6370-01-73
STA 136+32.77

OVERHEAD SIGN STRUCTURE TO BE REMOVED BY OTHERS

REPLACE STOP 5-18 R1-1 30"X30"

REPLACE NO PARKING ANY TIME 5-17 R7-1D 18"X24"

* REPLACE NO PARKING PIKE TO CORNER 5-22 R7-51L 18"X24"

REPLACE SPEED LIMIT 25 5-27 R2-1 24"X30"

REPLACE NO PARKING ANY TIME 5-28 R7-1R 18"X24"

* REMOVE & REINSTALL STOP 5-32 R1-1F 30"X30"

* REPLACE WEST 153 COUNTY B 5-33 J3-2 48"X57"

* REMOVE & REINSTALL STOP 5-34 R1-1F 30"X30"

REPLACE NO PARKING ANY TIME 5-14 R7-1D 18"X24"

REPLACE JCT COUNTY B 5-15 J1-1 24"X39"

REPLACE NO PARKING ANY TIME 5-16 R7-1D 18"X24"

INSTALL 5-20 W11-2 30"X30" W16-7L 24"X12"

INSTALL 5-21 W11-2 30"X30" W16-7L 24"X12"

REPLACE NO PARKING ANY TIME 5-23 R7-1L 18"X24"

5-24 R3-8ER 36"X30" INSTALLED BY OTHERS

5-26 EAST COUNTY B 153 J2-2 48"X57" INSTALLED BY OTHERS

* REMOVE & REINSTALL STOP 5-29 R1-1F 30"X30"

REMOVE YIELD 5-30

* STOP 5-36 R1-1F 30"X30"

* REMOVE & REINSTALL STOP 5-35 R1-1F 30"X30"

5-31 * REPLACE EAST COUNTY B 153 J3-2 48"X57"

REPLACE STOP 5-19 R1-1 30"X30"

MATCHLINE STA 142+00

PROJECT NO: 6370-01-75 & 6370-01-73	HWY: STH 153	COUNTY: MARATHON	PERMANENT SIGNING	SHEET	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\023201_PS.DWG

SHEET NAME: SGSTH153 (5)

2

REPLACE
6-03
R3-60R
30"X36"

REPLACE
6-04
WEST
153
J2-1
24"X57"

REPLACE
6-02
ONLY
R3-50L
30"X36"

REPLACE
6-06
NO PARKING HERE TO CORNER
R7-51L
18"X24"

REPLACE
6-08
STOP
R1-1
30"X30"

REPLACE
6-10
STOP
R1-1
30"X30"

REPLACE
6-11
1 HOUR PARKING BETWEEN 2AM&6AM
R7-5L
18"X24"

3RD ST

2ND ST

MATCHLINE STA 142+00

+00

143+00

144+00

145+00

146+00

147+00

148

MATCHLINE STA 148+00

MAIN ST

415+00

404+00

* REPLACE
6-01
NO PARKING ANY TIME
R7-1R
18"X24"

REPLACE
6-05
SPEED LIMIT
25
R2-1
24"X30"

* REPLACE
6-07
EAST
153
J1-1
24"X39"

REPLACE
6-09
STOP
R1-1
30"X30"

REPLACE
6-12
STOP
R1-1
30"X30"

N

SIGN LEGEND

- X-XX — SIGN GROUP NUMBER
- SIGNS TYPE II REFLECTIVE H/F ON POSTS WOOD
- SIGN TYPE II REFLECTIVE H/F ON TUBULAR STEEL
- * BAND SIGN TO STREET LIGHT/TRAFFIC SIGNAL POLE OR OVERHEAD MAST ARM
- EXISTING FLASHING BEACON TO REMAIN
- EXISTING SIGN TO REMAIN

WATER ST

MATCHLINE STA 148+00

+00

149+00

MAIN ST

150+00

151+00

151+48

REPLACE
6-13
NO PARKING ANY TIME
R7-1D
18"X24"

END PROJECT
6370-01-73
STA 149+92.24

N

PROJECT NO: 6370-01-73	HWY: STH 153	COUNTY: MARATHON	PERMANENT SIGNING	SHEET 67	E

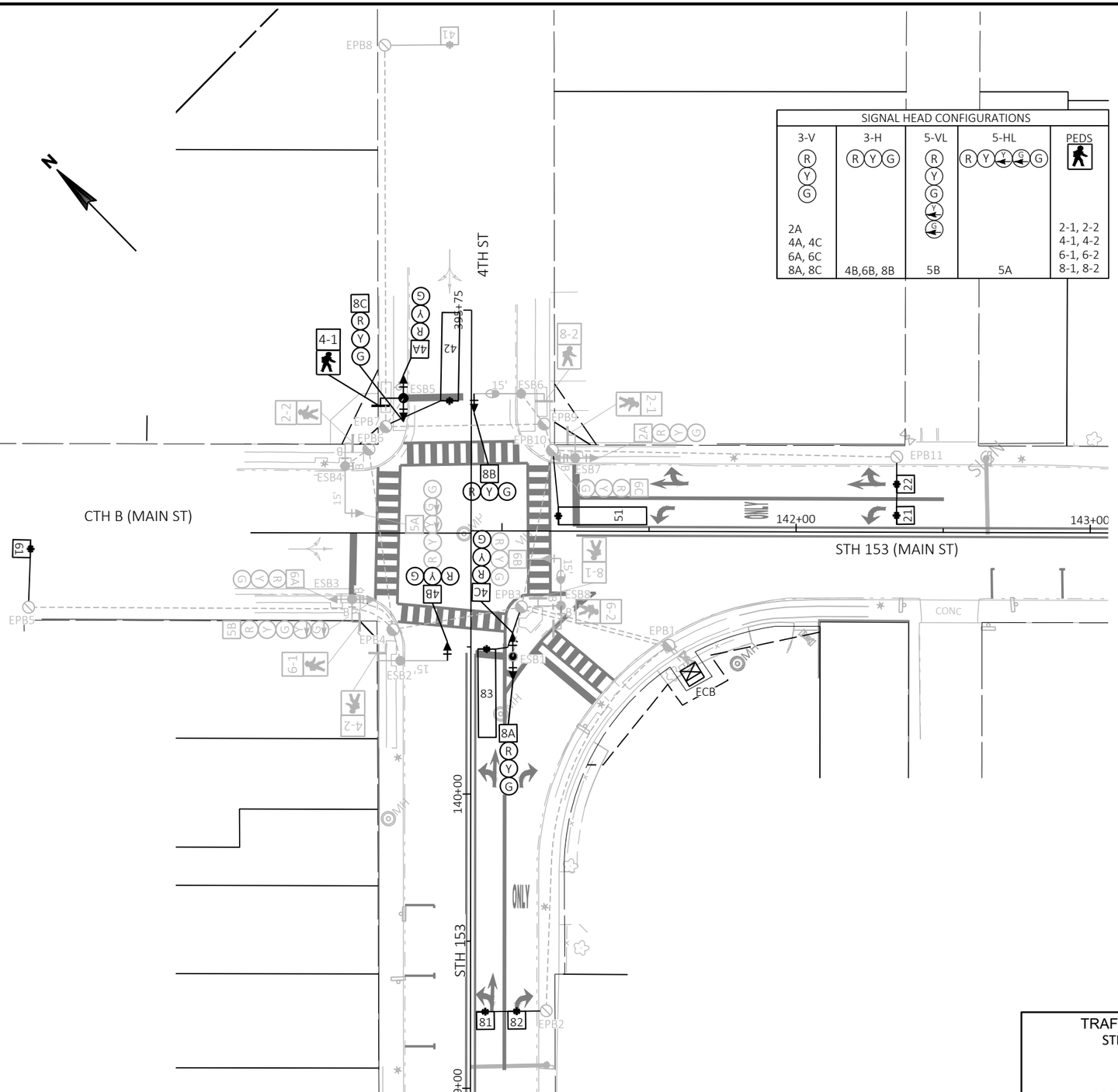
FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\023201_PS.DWG

SHEET NAME: SGSTH153 (6)

LEGEND

- CONTROL CABINET (TYPE 9)
- NONMETALLIC CONDUIT
- SIGNAL HEAD,PEDESTAL MOUNT TYPE 1 BASE (WITH BACK PLATE)
- (XX) SIGNAL HEAD, MAST ARM MOUNT, TYPE 2 POLE TYPE 2 BASE (WITH BACKPLATE)
- (XX) SIGNAL HEAD/LUMINAIRE, MAST ARM MOUNT, TYPE 3 POLE TYPE 2 BASE (WITH BACKPLATE)
- (XX) SIGNAL HEAD TYPE 9 MONOTUBE TYPE 10 BASE (WITH BACKPLATE)
- PEDESTRIAN HEAD
- PUSH BUTTON
- WISDOT LUMINAIRE (POWERED OUT OF SIGNAL CABINET)
- DECORATIVE POST MOUNT LUMINAIRE (MAINTAINED BY THE CITY)
- NEW LOOP DETECTORS INSTALLED WITH PROJECT * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP
- 41 EXISTING LOOP DETECTOR (TO REMAIN IN PLACE)
- PULL BOX, STEEL, 24" X 36"
- PULL BOX, STEEL, 18" X 24"
- 2A SIGNAL HEAD NUMBER
- 4-1 PEDESTRIAN HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- YELLOW ARROW (LEFT)
- GREEN ARROW (LEFT)
- LANE DESIGNATION (FOR REFERENCE ONLY)

NOTE: ALL LENSES ARE 12-INCH LED
GRAYSHADE REPRESENTS EXISTING



CONSTRUCTION NOTES

1. THE FOLLOWING SIGNAL EQUIPMENT TO BE REMOVED:
   - ESB1 - INCLUDING PEDESTAL BASE, TRAFFIC SIGNAL STANDARD, HEAD 4C AND HEAD 8A
   - HEAD 4B ON ESB2
   - ESB5 - INCLUDING PEDESTAL BASE, TRAFFIC SIGNAL STANDARD, HEAD 4A, HEAD 8C AND HEAD 4-1
   - HEAD 8B ON ESB6
2. LOOPS 21, 22, 42, 51, 61, 81, 82 & 83 SHALL HAVE THEIR LOOP DETECTOR WIRE REMOVED AND LOOP DETECTOR CONDUIT ABANDONED IN PLACE.

TRAFFIC CONTROL SIGNAL
STH 153 & CTH B/4TH STREET
CITY OF MOSINEE
MARATHON COUNTY

SIGNAL NO. S37-0743

REGION CONTACT: RON JOHNSON
DESIGNED BY: CBS SQUARED
REVISED BY:

PAGE 1 OF 1

PROJECT NO: 6370-01-73	HWY: STH 153	COUNTY: MARATHON	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 68	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\024001_SR.DWG
SHEET NAME: TSSTH153-1

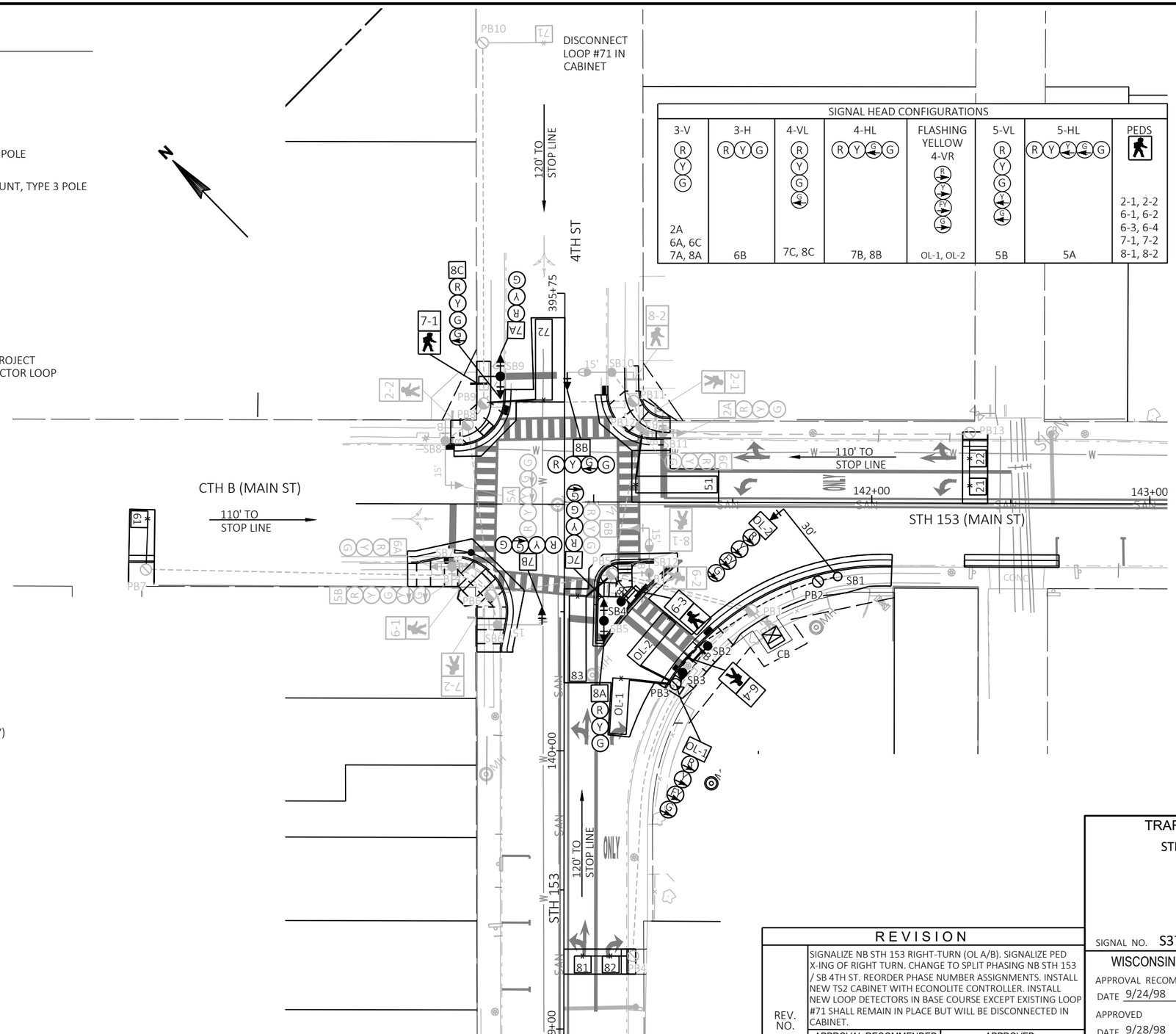
2

LEGEND

- CONTROL CABINET (TYPE 9)
- NONMETALLIC CONDUIT
- SIGNAL HEAD,PEDESTAL MOUNT TYPE 1 BASE (WITH BACK PLATE)
- (XX) SIGNAL HEAD, MAST ARM MOUNT, TYPE 2 POLE TYPE 2 BASE (WITH BACKPLATE)
- (XX) SIGNAL HEAD/LUMINAIRE, MAST ARM MOUNT, TYPE 3 POLE TYPE 2 BASE (WITH BACKPLATE)
- (XX) SIGNAL HEAD TYPE 9 MONOTUBE TYPE 10 BASE (WITH BACKPLATE)
- PEDESTRIAN HEAD
- PUSH BUTTON
- WISDOT LUMINAIRE (POWERED OUT OF SIGNAL CABINET)
- DECORATIVE POST MOUNT LUMINAIRE (MAINTAINED BY THE CITY)
- NEW LOOP DETECTORS INSTALLED WITH PROJECT * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP
- 41 EXISTING LOOP DETECTOR (TO REMAIN IN PLACE)
- PULL BOX, STEEL, 24" X 36"
- PULL BOX, STEEL, 18" X 24"
- 2A SIGNAL HEAD NUMBER
- 4-1 PEDESTRIAN HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- RED ARROW (RIGHT)
- YELLOW ARROW (LEFT/RIGHT)
- GREEN ARROW (LEFT/RIGHT)
- FLASHING YELLOW ARROW (RIGHT)
- LANE DESIGNATION (FOR REFERENCE ONLY)

NOTE: ALL LENSES ARE 12-INCH LED
GRAYSHADE REPRESENTS EXISTING

MONOTUBE STRUCTURE NUMBERS	
BASE #	STRUCTURE #
SB1	S-37-163



REVISION					
REV. NO.	SIGNALIZE NB STH 153 RIGHT-TURN (OL A/B). SIGNALIZE PED X-ING OF RIGHT TURN. CHANGE TO SPLIT PHASING NB STH 153 / SB 4TH ST. REORDER PHASE NUMBER ASSIGNMENTS. INSTALL NEW TS2 CABINET WITH ECONOLITE CONTROLLER. INSTALL NEW LOOP DETECTORS IN BASE COURSE EXCEPT EXISTING LOOP #71 SHALL REMAIN IN PLACE BUT WILL BE DISCONNECTED IN CABINET.	APPROVAL RECOMMENDED		APPROVED	
		REGION		CENTRAL OFFICE	
		DATE	BY	DATE	BY
1					

TRAFFIC CONTROL SIGNAL
STH 153 & CTH B/4TH STREET
CITY OF MOSINEE
MARATHON COUNTY

SIGNAL NO. S37-0743
CABINET TYPE: TS 2
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE 9/24/98 RONALD G. BECKER, REGION TRAFFIC ENGINEER

APPROVED
DATE 9/28/98 WILLIAM C. GILDING, STATE TRAFFIC ENGINEER

REGION CONTACT: RON JOHNSON
DESIGNED BY: NC REGION
REVISED BY: CBS SQUARED

PROJECT NO: 6370-01-73	HWY: STH 153	COUNTY: MARATHON	TRAFFIC SIGNAL PLAN	SHEET 69	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\024201_SP.DWG
SHEET NAME: TSSTH153-1

GENERAL NOTES

1. ALL ABOVE GROUND SIGNAL EQUIPMENT SHALL REMAIN IN PLACE. EXCEPT:
   - THE 13FT SIGNAL STANDARDS AT (SB5/SB9) SHOULD BE REMOVED AND REPLACED WITH 15 FT SIGNAL STANDARDS, AND UPGRADED WITH NEW SIGNAL HEAD FOR SPLIT-PHASING.
   - SIGNAL HEADS SHOULD ALSO BE UPGRADED FOR SPLIT-PHASING ON (SB6, SB10).
   - NEW SIGNAL POLE/HEAD/ETC SHALL BE INSTALLED TO SIGNALIZE THE NB STH 153 RIGHT-TURN (SB1, SB2, SB3, AND SB4).

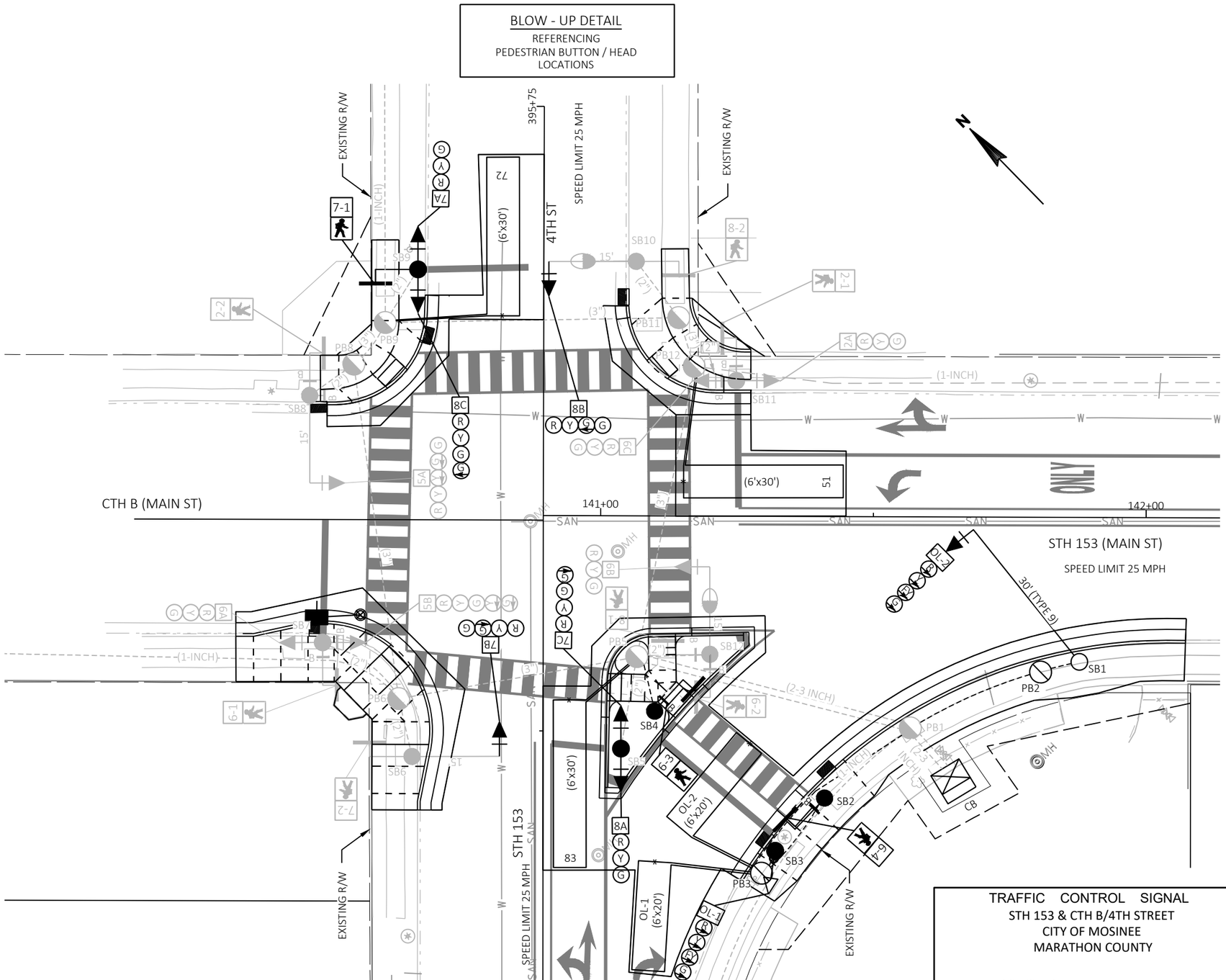
2. ALL PULL BOXES/CONDUIT/AND ELECTRICAL CABLE RUNS SHALL REMAIN IN PLACE. HOWEVER, THE CONTRACTOR SHALL REPLACE ALL THE LOOP DETECTORS EXCEPT DETECTOR #71 (LOOP 71 WILL REMAIN IN PLACE, BUT WILL BE DISCONNECTED IN THE CABINET). INSTALL NEW PULLBOXES (PB2, PB3) AND ASSOCIATED CONDUIT RUNS AND SIGNAL CABLE.

3. EACH LOOP DETECTOR REPLACED ON THE PROJECT SHALL HAVE A NEW LEAD-IN CABLE INSTALLED BETWEEN THE LOOP AND THE CABINET (LOOPS # 21, 22, 42, 51, 61, 81, 82, AND 83). NEW DETECTORS SHALL BE INSTALLED IN 1" NONMETALLIC CONDUIT, IN THE BASE COURSE AS A SIDE PULL, OFF ROADWAY (OPTION 2) ACCORDING TO SDD 9F15 SHEET 8B. LOOP DETECTORS (OL-1, OL-2) SHALL BE INSTALLED FOR NEW RIGHT-TURN SIGNAL.

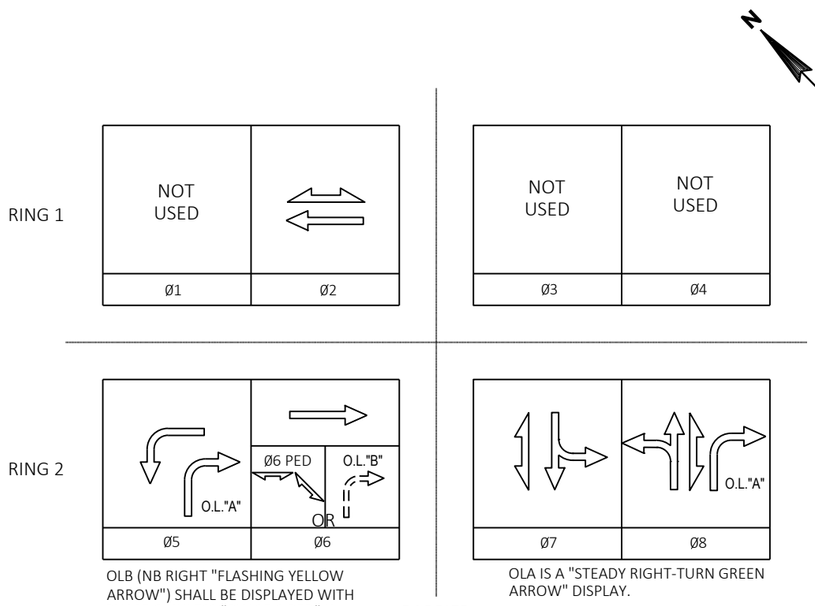
4. FOLDING STOP SIGNS (36" x 36") HAVE BEEN INSTALLED ON SIGNAL BASES (SB5, SB7, SB9, AND SB11). REMOVE AND REINSTALL FOLDING STOP SIGNS (36"X36") ON (SB5, SB9). INSTALL NEW FOLDING STOP SIGN (36"X36') ON (SB3).

5. 13 - FT SIGNAL STANDARDS INSTALLED AT (SB11).
   15 - FT SIGNAL STANDARDS INSTALLED AT (SB7).
   TYPE 2 POLES, 15 - FOOT TROMBONE ARMS, INSTALLED AT (SB6, SB8).
   TYPE 3 POLES, 15 - FOOT TROMBONE ARMS, INSTALLED AT (SB6, SB12).
   REPLACE 13-FT SIGNAL STANDARDS WITH 15-FT SIGNAL STANDARDS AT (SB5, SB9).
   INSTALL 10-FT SIGNAL STANDARDS AT (SB2, SB4).
   INSTALL 15-FT SIGNAL STANDARDS AT (SB3).
   INSTALL TYPE 9 MONOTUBE, 30-FT ARM, AT (SB1).

6. THE LOCATIONS OF IDENTIFIED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN.



	HEAD NUMBERS	FLASH
Ø1		
Ø2	2A,5A,5B	R
Ø3		
Ø4		
Ø5	5A, 5B	R
Ø6	6A, 6B, 6C	R
Ø7	7A, 7B, 7C	R
Ø8	8A, 8B, 8C	R
O.L."A"	OL-1, OL-2	R
O.L."B"	OL-1, OL-2	
Ø2 PED	2-1, 2-2	
Ø6 PED	6-1, 6-2,6-3,6-4	
Ø7 PED	7-1, 7-2	
Ø8 PED	8-1, 8-2	



OLB (NB RIGHT "FLASHING YELLOW ARROW") SHALL BE DISPLAYED WITH PHASE 6 UNLESS "PHASE 6 RED" IS ACTIVATED. IF "PHASE 6 RED" IS ACTIVE, THEN HEADS (OL-1, OL-2) SHALL DISPLAY A "STEADY RIGHT-TURN RED ARROW".

OLA IS A "STEADY RIGHT-TURN GREEN ARROW" DISPLAY.

CONTROLLER LOGIC

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

OVERLAPS

O.L. "A" = 5,8
O.L. "B" = 6
O.L. "C" =
O.L. "D" =

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	X

TYPE OF COORDINATION	
NONE	X
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS-

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

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

DETECTOR LOGIC

* EXISTING LOOP #71 IS NOT CURRENTLY BEING UTILIZED.

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTORS*(S)	61	21	51	*71	81	83	OL-1	
CALLED PHASE	6	2	5			8	8	
CALL OPTION	X	X	X			X	X	
DELAY TIME							8.0	
EXTENSION OPTION	X	X	X		X	X	X	
EXTEND TIME	3.5	3.5	3.0		2.0	2.0	2.0	
USE ADDED INITIAL								
CROSS SWITCH PHASE								
STRETCH TIME					2.0			
LOOP SIZE (FTxFT)	6x6	6x6	6x30	6x6	6x6	6x30	6X20	
NUMBER TURNS	4	4	3	4	4	3	3	

DETECTOR INPUT	19	17	23	21	27	25	31	29	DETECTOR INPUT
PLAN LOOP DETECTORS*(S)									PLAN LOOP DETECTORS*(S)
CALLED PHASE									CALLED PHASE
CALL OPTION									CALL OPTION
DELAY TIME									DELAY TIME
EXTENSION OPTION									EXTENSION OPTION
EXTEND TIME									EXTEND TIME
USE ADDED INITIAL									USE ADDED INITIAL
CROSS SWITCH PHASE									CROSS SWITCH PHASE
STRETCH TIME									STRETCH TIME
LOOP SIZE (FTxFT)									LOOP SIZE (FTxFT)
NUMBER TURNS									NUMBER TURNS

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTORS*(S)		22		72	82		OL-2	
CALLED PHASE		2		7			8	
CALL OPTION		X		X			X	
DELAY TIME				6.0			8.0	
EXTENSION OPTION		X		X	X		X	
EXTEND TIME		3.5		3.0	2.0		2.0	
USE ADDED INITIAL								
CROSS SWITCH PHASE								
STRETCH TIME					2.0			
LOOP SIZE (FTxFT)		6x6		6x30	6x6		6X20	
NUMBER TURNS		4		3	4		3	

DETECTOR INPUT	20	18	24	22	28	26	32	30	DETECTOR INPUT
PLAN LOOP DETECTORS*(S)									PLAN LOOP DETECTORS*(S)
CALLED PHASE									CALLED PHASE
CALL OPTION									CALL OPTION
DELAY TIME									DELAY TIME
EXTENSION OPTION									EXTENSION OPTION
EXTEND TIME									EXTEND TIME
USE ADDED INITIAL									USE ADDED INITIAL
CROSS SWITCH PHASE									CROSS SWITCH PHASE
STRETCH TIME									STRETCH TIME
LOOP SIZE (FTxFT)									LOOP SIZE (FTxFT)
NUMBER TURNS									NUMBER TURNS

GENERAL NOTES

1. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.
2. WHEN ONE PHASE IS ON ALONE, ANY NON-CONFLICTING PHASE MAY START TIMING CONCURRENTLY WITHOUT A CLEARANCE INTERVAL.
3. WHEN OPPOSING THROUGH PHASES ARE TIMING CONCURRENTLY, THEY SHALL TERMINATE TOGETHER DUE TO PERMISSIVE LEFT TURN CONFLICT.
4. A "STEADY RIGHT-TURN YELLOW ARROW" SIGNAL INDICATION SHALL NOT BE DISPLAYED BETWEEN THE DISPLAY OF THE "FLASHING RIGHT-TURN YELLOW ARROW" SIGNAL INDICATION AND THE DISPLAY OF THE "STEADY RIGHT-TURN GREEN ARROW" SIGNAL INDICATION.

TRAFFIC CONTROL SIGNAL
STH 153 & CTH B/4TH STREET
CITY OF MOSINEE
MARATHON COUNTY

SIGNAL NO. S37-0743
CABINET TYPE: TS2
CONTROLLER TYPE: ECONOLITE

REGION CONTACT: RON JOHNSON
DESIGNED BY: NC REGION
REVISED BY: CBS SQUARED

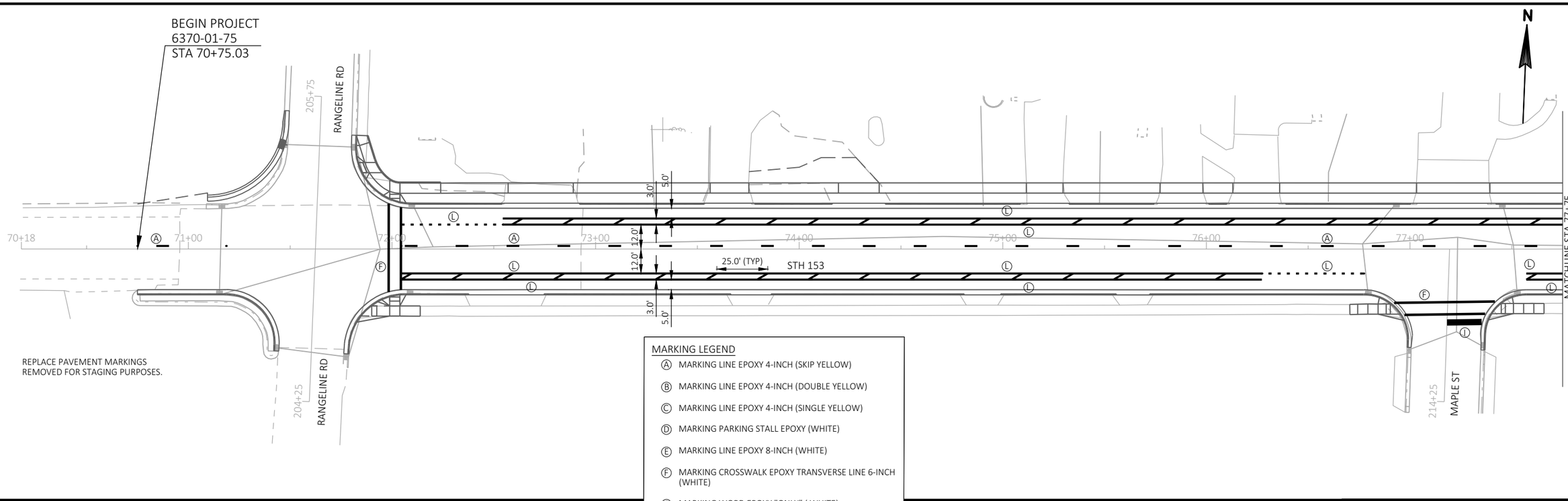
PROJECT ID:	6370-01-73
INTERSECTION:	STH 153 & CTH B/4TH STREET

Signal Wire Color Coding	BLK - black	RED - red	GRN - green
	WHT - white	BLU - blue	ORG - orange

CB1 TO	JUMPER	AWG14 # OF CONDUCTORS	HEAD NO.	PHASE	SIGNAL INDICATION WIRE COLOR								PED BUTTON
					RED	YELLOW	GREEN	<RED>	<YELLOW>	<GREEN>	D/WALK	WALK	
SB1		7	OL-2	OLA/OLB	RED	ORG	GRN		BLK				
SB2		7	6-4	PED 6							RED	GRN	WHT/BLK
SB3		7	OL-1	OLA/OLB	RED	ORG	GRN		BLK				
SB4		7	6-3	PED 6							RED	GRN	WHT/BLK
SB5		12	7C	7	RED/BLK	ORG/BLK	GRN/BLK			BLU/BLK			
			8A	8	RED	ORG	GRN						
SB6		12	7B	7	RED/BLK	ORG/BLK	GRN/BLK			BLU/BLK	BLK	BLU	WHT/BLK
			7-2	PED 7							RED	GRN	
SB7		15	5B	2 & 5	RED/BLK	ORG/BLK	GRN/BLK		BLK	BLU			
			6A	5	RED	ORG	GRN						
			6-1	PED 6							RED/WHT	GRN/WHT	WHT/BLK
			7-2 PED PB										BLK/WHT
SB8		12	5A	2 & 5	RED/BLK	ORG/BLK	GRN/BLK		BLK	BLU			
			2-2	PED 2							RED	GRN	WHT/BLK
			7-1 PED PB										BLK/WHT
SB9		12	7A	7	RED/BLK	ORG/BLK	GRN/BLK						
			8C	8	RED	ORG	GRN			BLU/BLK			
			7-1	PED 7							BLK	BLU	
SB10		12	8B	8	RED	ORG	GRN			BLU/BLK			
			8-2	PED 8							BLK	BLU	
SB11		12	2A	2	RED/BLK	ORG/BLK	GRN/BLK						
			6C	6	RED	ORG	GRN						
			2-1	PED 2							BLK	BLU	WHT/BLK
			8-2 PED PB										BLK/WHT
SB12		12	6B	6	RED	ORG	GRN						
			6-2	PED 6							BLK	BLU	WHT/BLK
			8-1	PED 8							RED/BLK	GRN/BLK	BLK/WHT

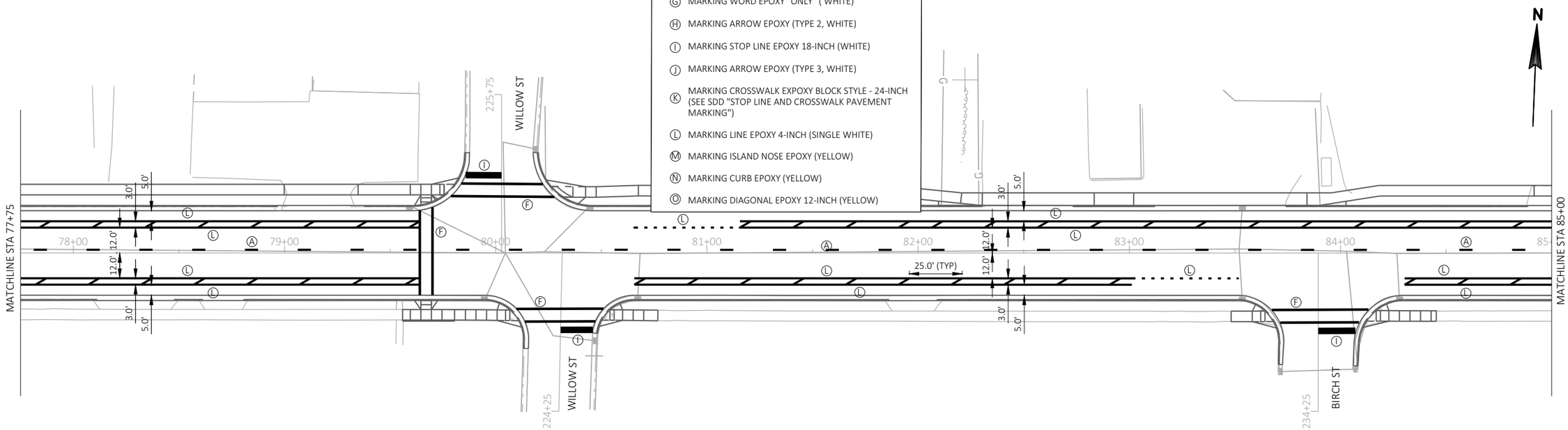
Equipment Grounding Conductor 10 AWG Green XLP	
From	To
CB	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	SB9
SB9	SB10
SB10	SB11
SB11	SB12
SB12	CB

Pull Box Bonding Jumper 10 AWG Green XLP	
From	To
CB	PB1
SB1	PB2
SB3	PB3
SB12	PB5
SB6	PB6
SB8	PB8
SB9	PB9
SB10	PB11
SB11	PB12



MARKING LEGEND

- (A) MARKING LINE EPOXY 4-INCH (SKIP YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (C) MARKING LINE EPOXY 4-INCH (SINGLE YELLOW)
- (D) MARKING PARKING STALL EPOXY (WHITE)
- (E) MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (G) MARKING WORD EPOXY "ONLY" (WHITE)
- (H) MARKING ARROW EPOXY (TYPE 2, WHITE)
- (I) MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (J) MARKING ARROW EPOXY (TYPE 3, WHITE)
- (K) MARKING CROSSWALK EXPOXY BLOCK STYLE - 24-INCH (SEE SDD "STOP LINE AND CROSSWALK PAVEMENT MARKING")
- (L) MARKING LINE EPOXY 4-INCH (SINGLE WHITE)
- (M) MARKING ISLAND NOSE EPOXY (YELLOW)
- (N) MARKING CURB EPOXY (YELLOW)
- (O) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)

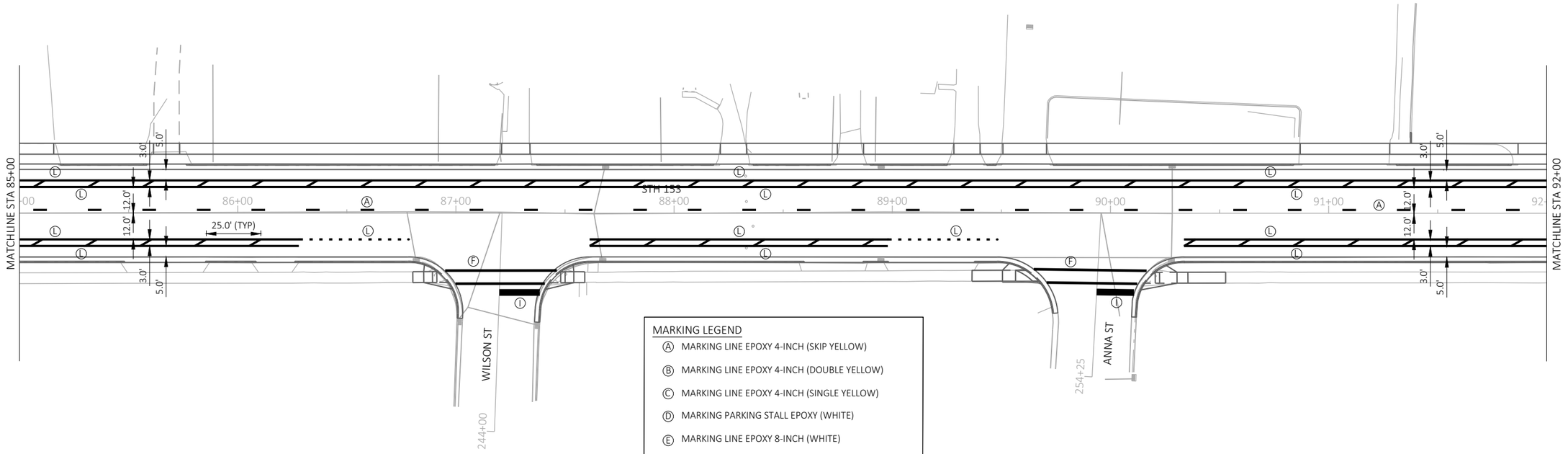


PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	PAVEMENT MARKING	SHEET 73	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - PMSTH153 (1)

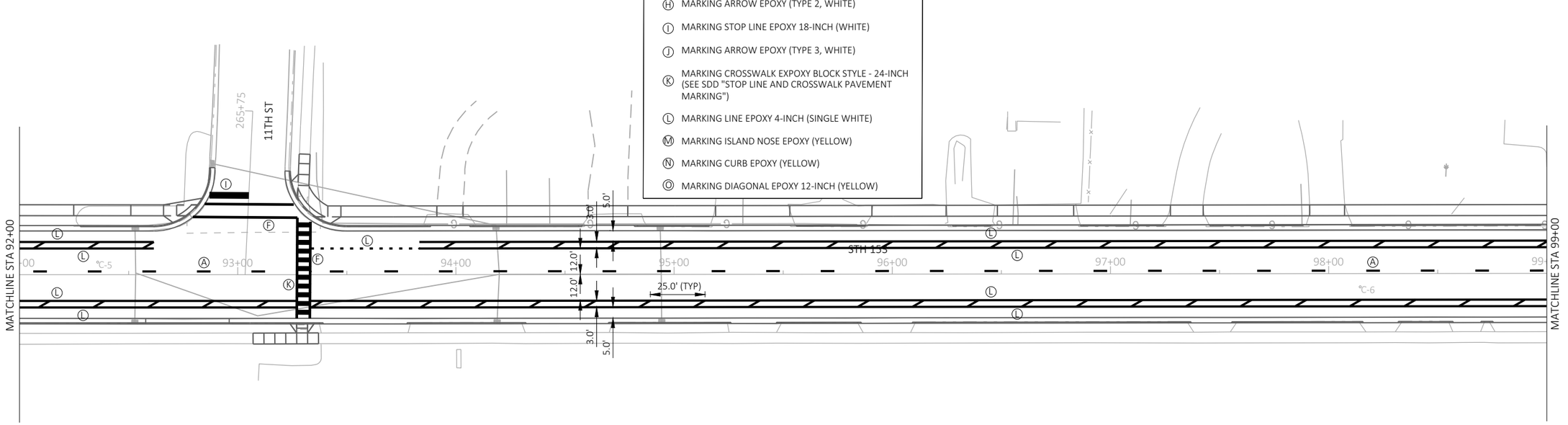
SHEET NAME: PMSTH153 (1)

PLOT SCALE : 1 IN:50 FT



MARKING LEGEND

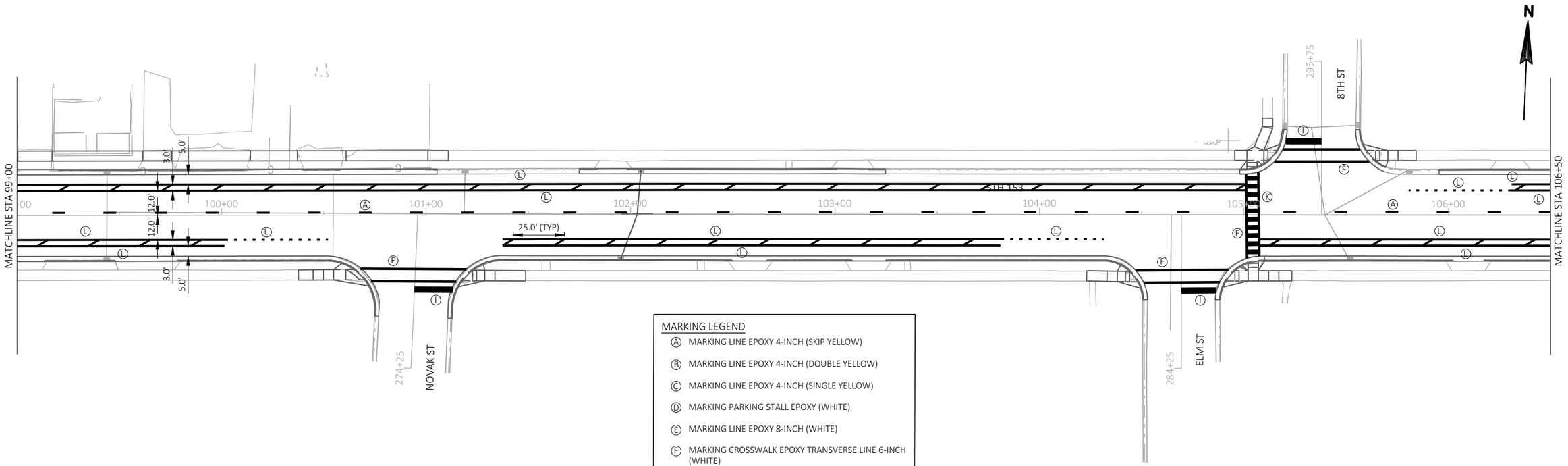
- Ⓐ MARKING LINE EPOXY 4-INCH (SKIP YELLOW)
- Ⓑ MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- Ⓒ MARKING LINE EPOXY 4-INCH (SINGLE YELLOW)
- Ⓓ MARKING PARKING STALL EPOXY (WHITE)
- Ⓔ MARKING LINE EPOXY 8-INCH (WHITE)
- Ⓕ MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- Ⓖ MARKING WORD EPOXY "ONLY" (WHITE)
- Ⓗ MARKING ARROW EPOXY (TYPE 2, WHITE)
- Ⓘ MARKING STOP LINE EPOXY 18-INCH (WHITE)
- Ⓙ MARKING ARROW EPOXY (TYPE 3, WHITE)
- Ⓚ MARKING CROSSWALK EXPOXY BLOCK STYLE - 24-INCH (SEE SDD "STOP LINE AND CROSSWALK PAVEMENT MARKING")
- Ⓛ MARKING LINE EPOXY 4-INCH (SINGLE WHITE)
- Ⓜ MARKING ISLAND NOSE EPOXY (YELLOW)
- Ⓝ MARKING CURB EPOXY (YELLOW)
- Ⓞ MARKING DIAGONAL EPOXY 12-INCH (YELLOW)



PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	PAVEMENT MARKING	SHEET 74	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\024501_PM.DWG

SHEET NAME: PMSTH153 (2)



MARKING LEGEND

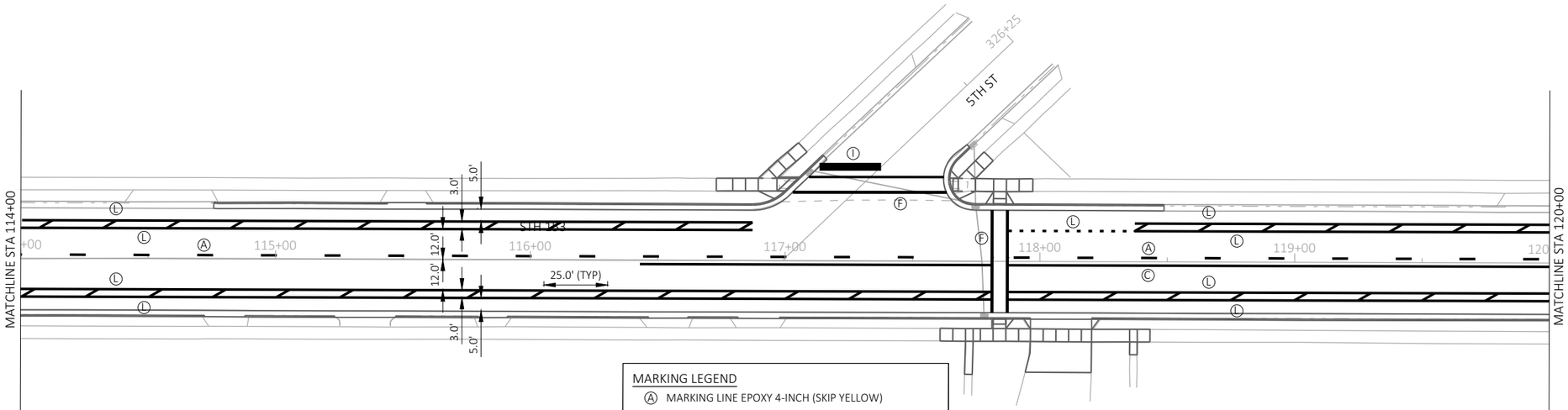
- Ⓐ MARKING LINE EPOXY 4-INCH (SKIP YELLOW)
- Ⓑ MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- Ⓒ MARKING LINE EPOXY 4-INCH (SINGLE YELLOW)
- Ⓓ MARKING PARKING STALL EPOXY (WHITE)
- Ⓔ MARKING LINE EPOXY 8-INCH (WHITE)
- Ⓕ MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- Ⓖ MARKING WORD EPOXY "ONLY" (WHITE)
- Ⓗ MARKING ARROW EPOXY (TYPE 2, WHITE)
- Ⓘ MARKING STOP LINE EPOXY 18-INCH (WHITE)
- Ⓙ MARKING ARROW EPOXY (TYPE 3, WHITE)
- Ⓚ MARKING CROSSWALK EXPOXY BLOCK STYLE - 24-INCH (SEE SDD "STOP LINE AND CROSSWALK PAVEMENT MARKING")
- Ⓛ MARKING LINE EPOXY 4-INCH (SINGLE WHITE)
- Ⓜ MARKING ISLAND NOSE EPOXY (YELLOW)
- Ⓝ MARKING CURB EPOXY (YELLOW)
- Ⓞ MARKING DIAGONAL EPOXY 12-INCH (YELLOW)

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	PAVEMENT MARKING	SHEET 75	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\024501_PM.DWG

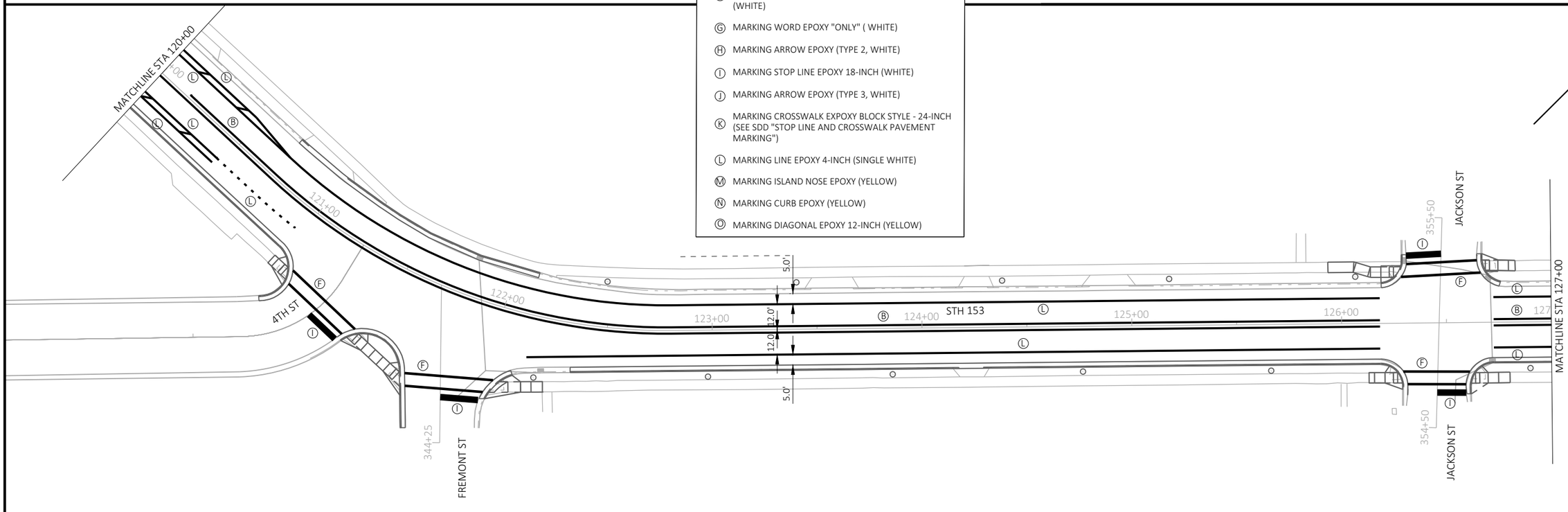
SHEET NAME: PMSTH153 (3)

2



MARKING LEGEND

- Ⓐ MARKING LINE EPOXY 4-INCH (SKIP YELLOW)
- Ⓑ MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- Ⓒ MARKING LINE EPOXY 4-INCH (SINGLE YELLOW)
- Ⓓ MARKING PARKING STALL EPOXY (WHITE)
- Ⓔ MARKING LINE EPOXY 8-INCH (WHITE)
- Ⓕ MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- Ⓖ MARKING WORD EPOXY "ONLY" (WHITE)
- Ⓗ MARKING ARROW EPOXY (TYPE 2, WHITE)
- Ⓘ MARKING STOP LINE EPOXY 18-INCH (WHITE)
- Ⓙ MARKING ARROW EPOXY (TYPE 3, WHITE)
- Ⓚ MARKING CROSSWALK EXPOXY BLOCK STYLE - 24-INCH (SEE SDD "STOP LINE AND CROSSWALK PAVEMENT MARKING")
- Ⓛ MARKING LINE EPOXY 4-INCH (SINGLE WHITE)
- Ⓜ MARKING ISLAND NOSE EPOXY (YELLOW)
- Ⓝ MARKING CURB EPOXY (YELLOW)
- Ⓞ MARKING DIAGONAL EPOXY 12-INCH (YELLOW)

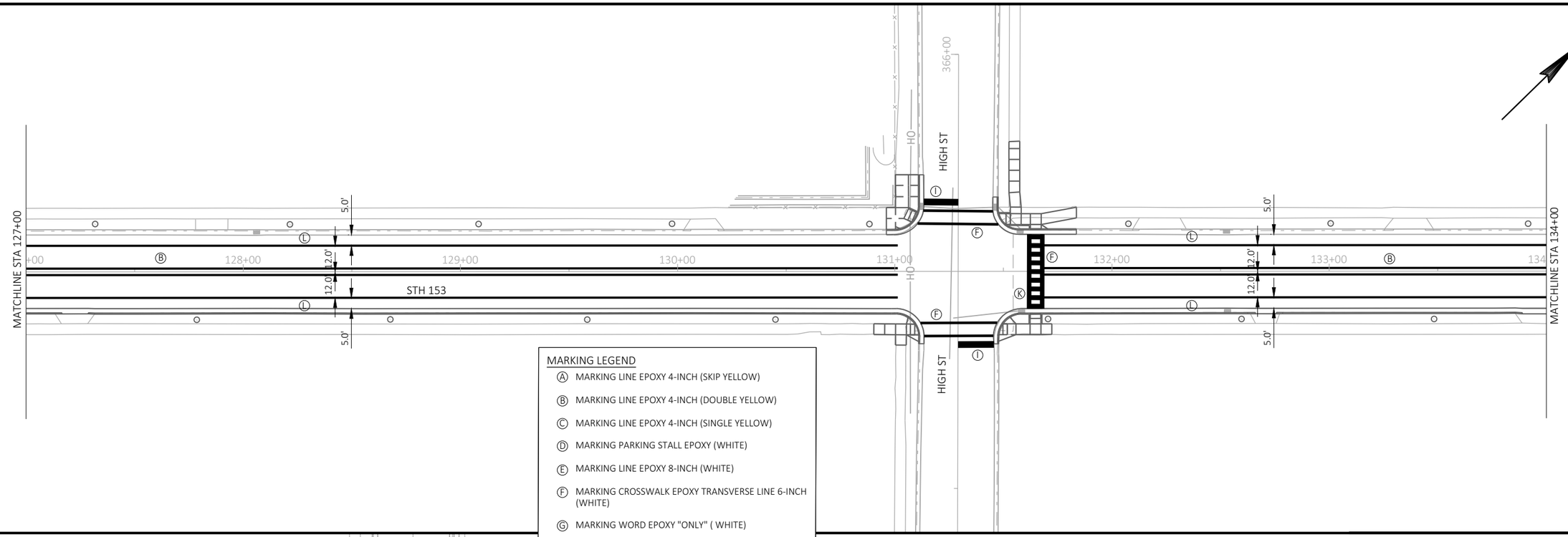


PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	PAVEMENT MARKING	SHEET	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\024501_PM.DWG

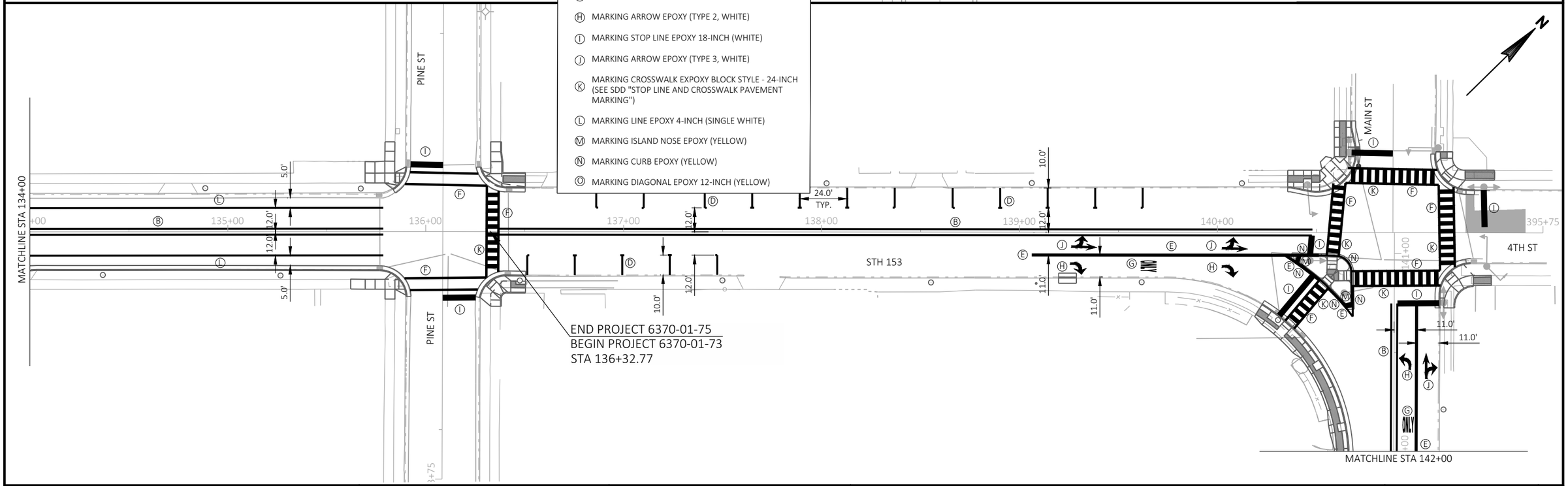
SHEET NAME: PMSTH153 (4)

2



MARKING LEGEND

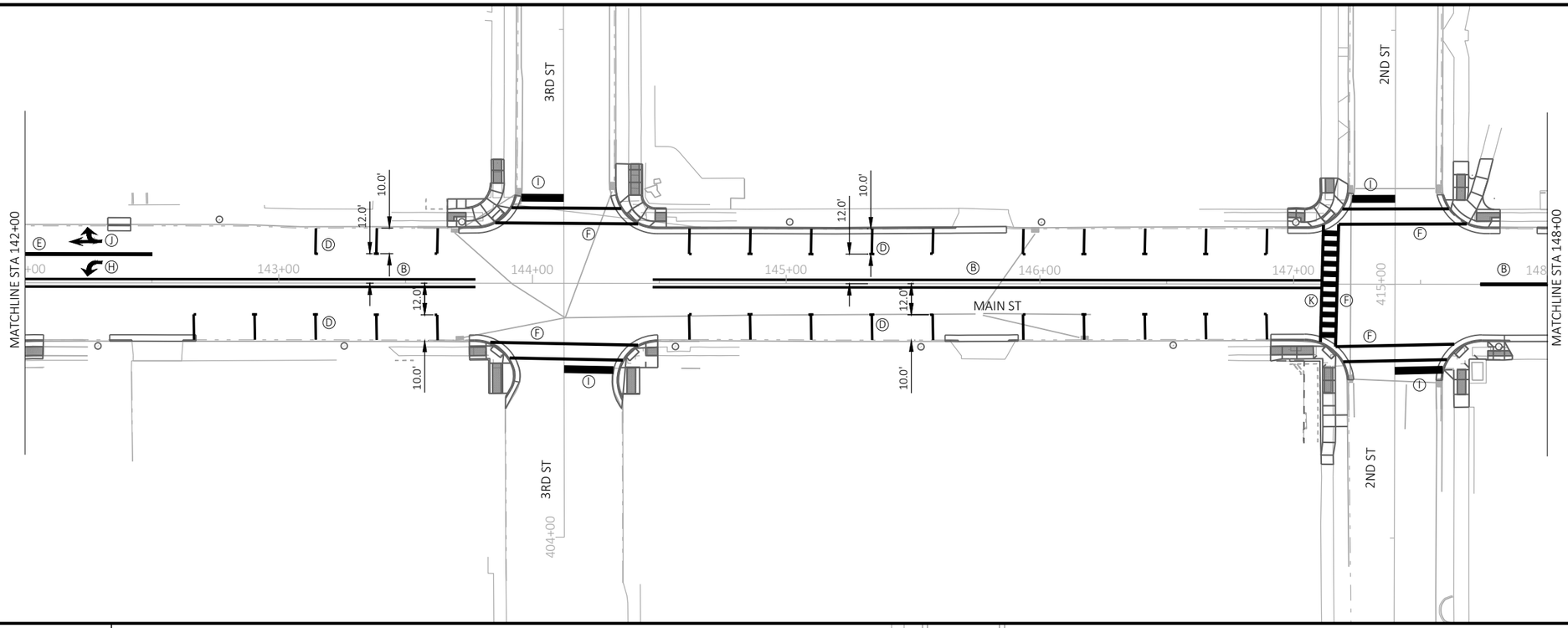
- Ⓐ MARKING LINE EPOXY 4-INCH (SKIP YELLOW)
- Ⓑ MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- Ⓒ MARKING LINE EPOXY 4-INCH (SINGLE YELLOW)
- Ⓓ MARKING PARKING STALL EPOXY (WHITE)
- Ⓔ MARKING LINE EPOXY 8-INCH (WHITE)
- Ⓕ MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- Ⓖ MARKING WORD EPOXY "ONLY" (WHITE)
- Ⓗ MARKING ARROW EPOXY (TYPE 2, WHITE)
- Ⓘ MARKING STOP LINE EPOXY 18-INCH (WHITE)
- Ⓙ MARKING ARROW EPOXY (TYPE 3, WHITE)
- Ⓚ MARKING CROSSWALK EXPOXY BLOCK STYLE - 24-INCH (SEE SDD "STOP LINE AND CROSSWALK PAVEMENT MARKING")
- Ⓛ MARKING LINE EPOXY 4-INCH (SINGLE WHITE)
- Ⓜ MARKING ISLAND NOSE EPOXY (YELLOW)
- Ⓝ MARKING CURB EPOXY (YELLOW)
- Ⓞ MARKING DIAGONAL EPOXY 12-INCH (YELLOW)



PROJECT NO: 6370-01-75 & 6370-01-73	HWY: STH 153	COUNTY: MARATHON	PAVEMENT MARKING	SHEET 77	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\024501_PM.DWG

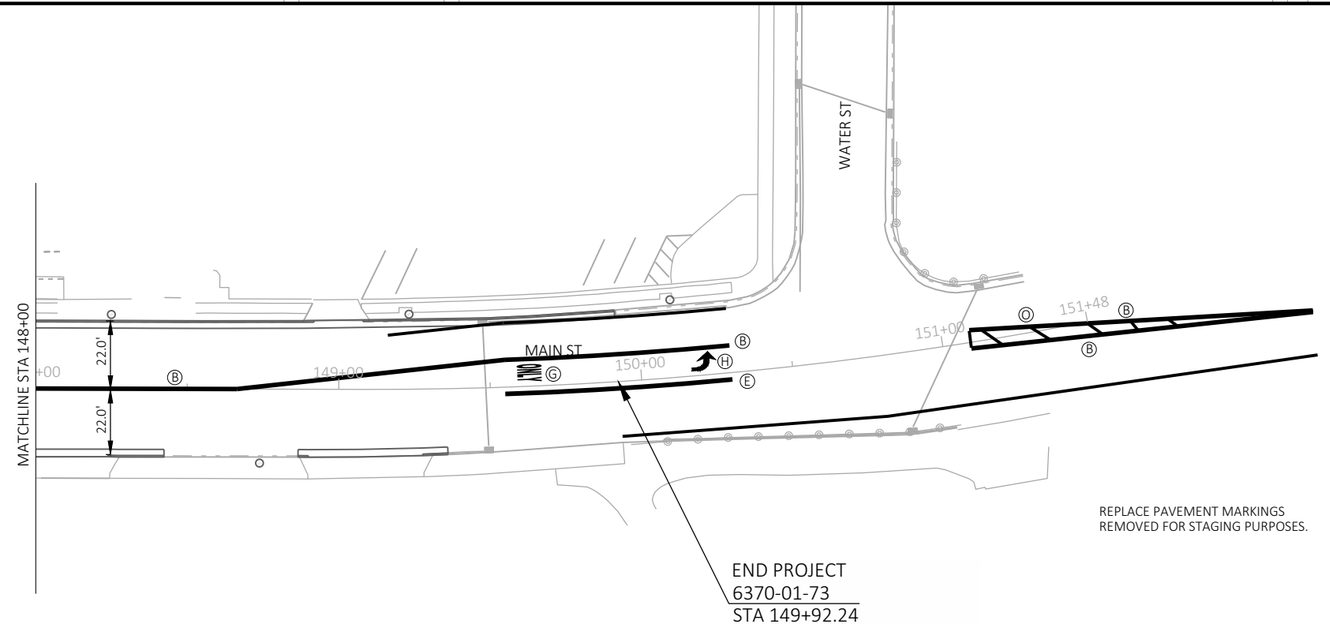
SHEET NAME: PMSTH153 (5)



2

MARKING LEGEND

- Ⓐ MARKING LINE EPOXY 4-INCH (SKIP YELLOW)
- Ⓑ MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- Ⓒ MARKING LINE EPOXY 4-INCH (SINGLE YELLOW)
- Ⓓ MARKING PARKING STALL EPOXY (WHITE)
- Ⓔ MARKING LINE EPOXY 8-INCH (WHITE)
- Ⓕ MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- Ⓖ MARKING WORD EPOXY "ONLY" (WHITE)
- Ⓗ MARKING ARROW EPOXY (TYPE 2, WHITE)
- Ⓘ MARKING STOP LINE EPOXY 18-INCH (WHITE)
- Ⓙ MARKING ARROW EPOXY (TYPE 3, WHITE)
- Ⓚ MARKING CROSSWALK EXPOXY BLOCK STYLE - 24-INCH (SEE SDD "STOP LINE AND CROSSWALK PAVEMENT MARKING")
- Ⓛ MARKING LINE EPOXY 4-INCH (SINGLE WHITE)
- Ⓜ MARKING ISLAND NOSE EPOXY (YELLOW)
- Ⓝ MARKING CURB EPOXY (YELLOW)
- Ⓞ MARKING DIAGONAL EPOXY 12-INCH (YELLOW)



PROJECT NO: 6370-01-73	HWY: STH 153	COUNTY: MARATHON	PAVEMENT MARKING	SHEET 78	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\024501_PM.DWG

SHEET NAME: PMSTH153 (6)

2

TRAFFIC CONTROL GENERAL NOTES

ALL TRAFFIC CONTROL SIGNS AND DEVICES AND THEIR LOCATION SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD), THE PLANS, SPECIFICATIONS, CONTRACT AND APPLICABLE STANDARD DETAIL DRAWINGS.

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

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

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

ALL SIGNS INAPPROPRIATE TO THE WORKZONE, INCLUDING PRE-EXISTING SIGNING, SHALL BE COVERED, REMOVED, OR ALTERED AS SPECIFIED IN THE PLANS AND/OR SPECIALS PROVISIONS OR AS DIRECTED BY THE ENGINEER.

GENERAL TRAFFIC CONTROL REQUIREMENTS:

1. UTILIZE SDD "TRAFFIC CONTROL, DROP-OFF SIGNING TO FURTHER MITIGATE THE ADJACENT LANE DROP-OFFS AND GUTTER TO LANE DROP-OFF."
2. REFER TO SDD, "ADVANCED WIDTH RESTRICTION SIGNING" FOR LANE WIDTHS LESS THAN 16' AND AS OUTLINED IN THE PLAN.
3. ALTERNATE TEMPORARY SIDEROAD CLOSURES DURING CONSTRUCTION DURING FLAGGING OPERATIONS.
4. ACCESS TO DRIVEWAYS WILL BE CLOSED TEMPORARILY DURING MILLING/PAVING OPERATIONS.
5. WHERE TWO DRIVEWAYS SERVE THE PROPERTY, WORK SHALL BE STAGED TO REQUIRE ONE DRIVEWAY TO REMAIN OPEN.

PEDESTRIAN ACCOMMODATIONS:

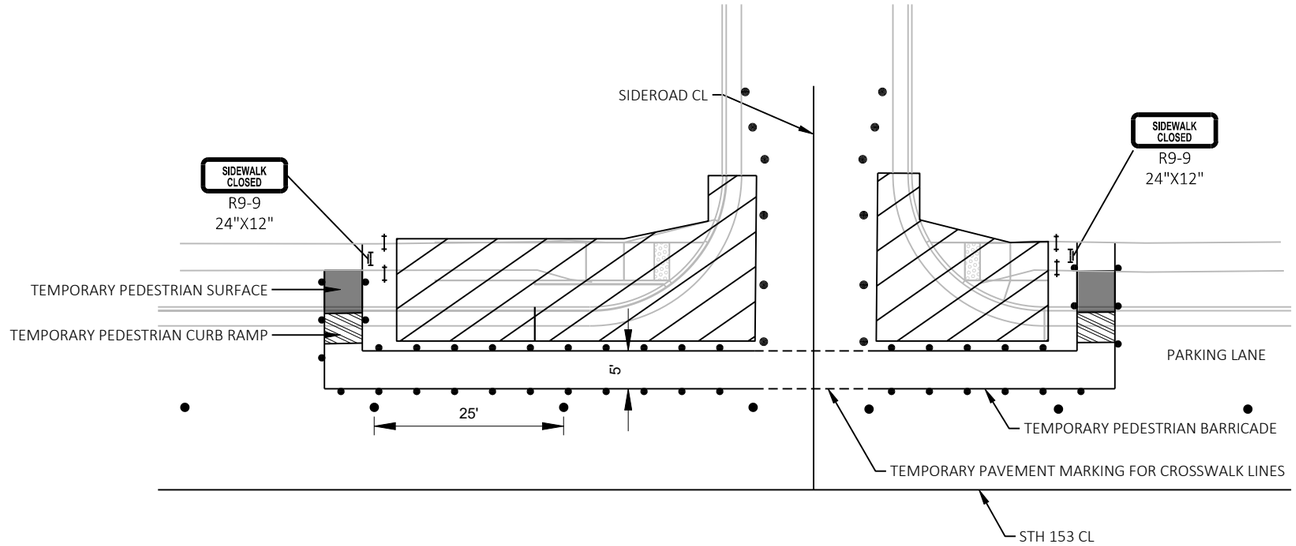
1. PEDESTRIAN ACCESS MUST BE MAINTAINED ON STH 153 ON EITHER THE EASTBOUND OR WESTBOUND SIDE AT ALL TIMES. DURING REPLACEMENT OF CURB RAMPS AND IMPACTED SIDEWALK, PEDESTRIANS WILL BE REQUIRED TO USE THE OTHER SIDE OF THE ROADWAY.
2. PEDESTRIAN ACCESS MUST BE MAINTAINED ON STH 153 ON ONE SIDE OF THE ROAD.
3. THE FOLLOWING SIDE ROADS DO NOT HAVE EXISTING SIDEWALK LEADING UP TO STH 153:

- RANGELINE ROAD (SOUTH APPROACH)
- MAPLE STREET
- WILLOW STREET
- BIRCH STREET
- WILSON STREET
- ANNA STREET
- 11TH STREET (WEST SIDE)
- NOVAK STREET
- ELM STREET
- 8TH STREET (EAST SIDE)
- KLIEST STREET
- WISCONSIN STREET
- 4TH STREET (SOUTH APPROACH TO STH 153)
- FREMONT STREET
- JACKSON STREET
- HIGH STREET (EAST SIDE OF SOUTH APPROACH TO STH 153)

4. AS A RESULT, PEDESTRIAN ACCOMMODATIONS CROSSING STH 153 AT THESE INTERSECTIONS ARE NOT NECESSARY EXCEPT AT THE EAST SIDE OF THE RANGELINE ROAD, 11TH STREET, AND 8TH STREET INTERSECTIONS. A TEMPORARY CROSSING ON THE EAST SIDE OF RANGELINE ROAD IS REQUIRED WHEN NEW SIDEWALK IS BEING CONSTRUCTED ON WESTBOUND STH 153 BETWEEN RANGELINE ROAD AND NOVAK STREET. THERE IS AN EXISTING MARKED CROSSWALK ON STH 153 AT THE EAST SIDE OF 11TH STREET AND 8TH STREET THAT WILL NEED TO BE MAINTAINED THROUGH THE WORK ZONE DURING CONSTRUCTION.
5. MAINTAIN PEDESTRIAN ACCESS ON THE WESTBOUND STH 153 SIDEWALK WHEN THE WATER IMPROVEMENTS TAKE PLACE ON EASTBOUND STH 153 BETWEEN RANGELINE ROAD AND FREMONT STREET. ALL OTHER AREAS OF SIDEWALK WILL REMAIN OPEN TO PEDESTRIANS WITH THE EXCEPTION OF REPLACING CURB RAMPS AT INTERSECTIONS.
6. LIMIT WORK TO ONE QUADRANT AT A TIME AT 5TH STREET AND 8TH STREET TO MINIMIZE PEDESTRIAN DISRUPTION. UTILIZE STANDARD DETAIL DRAWING, 'TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION'.
7. UTILIZE TEMPORARY CURB RAMPS DURING CURB RAMP CONSTRUCTION WITHIN THE WORK ZONE TO MAINTAIN PEDESTRIAN ACCESS WHEN ACCESS CAN NOT BE MAINTAINED ON THE OPPOSING SIDE OF STH 153.

TRAFFIC CONTROL LEGEND

	TYPE III BARRICADE/TYPE III BARRICADE WTH ATTACHED SIGN
	TYPE II BARRICADE/TYPE II BARRICADE WITH 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
	TRAFFIC CONTROL CONES 42-INCH
	WORK AREA
	BASE PATCHING CONCRETE SHES
	FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
	DIRECTION OF TRAFFIC
	MARKING REMOVAL LINE
TM-4W	TEMPORARY MARKING LINE PAINT-4-INCH (WHITE)
TM-4Y	TEMPORARY MARKING LINE PAINT-4-INCH (YELLOW)
TM-18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH
TR-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
TR-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)



TEMPORARY PEDESTRIAN ACCOMMODATION
SIDEWALK DIVERSION

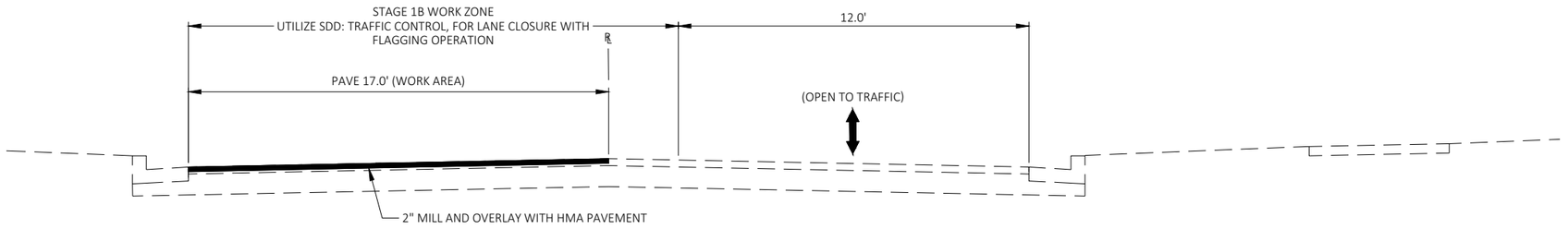
UTILIZE DETAIL WHEN PEDESTRIAN ACCOMMODATIONS CAN NOT BE MAINTAINED ON OPPOSITE SIDE OF ROADWAY

(SEE S.D.D. "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION" FOR ADDITIONAL DETAILS)

2

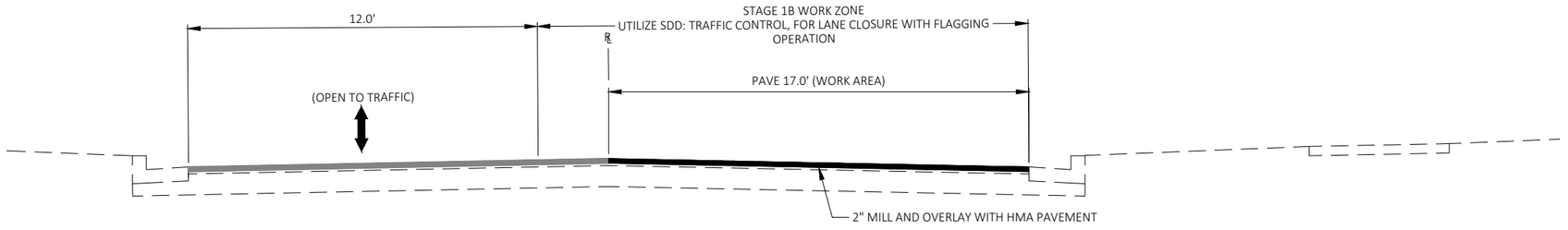
STAGE 1A:

SEE STAGE 1A TRAFFIC CONTROL DETAILS. UTILIZE SHOULDER CLOSURE TO COMPLETE WORK ON INTERSECTION WIDENING AT RANGELINE RD/STH 153 AND RANGELINE RD/MAIN ST.



TYPICAL SECTION - STAGE 1B

RANGELINE RD



TYPICAL SECTION - STAGE 1C

RANGELINE RD

TRAFFIC CONTROL NOTES:

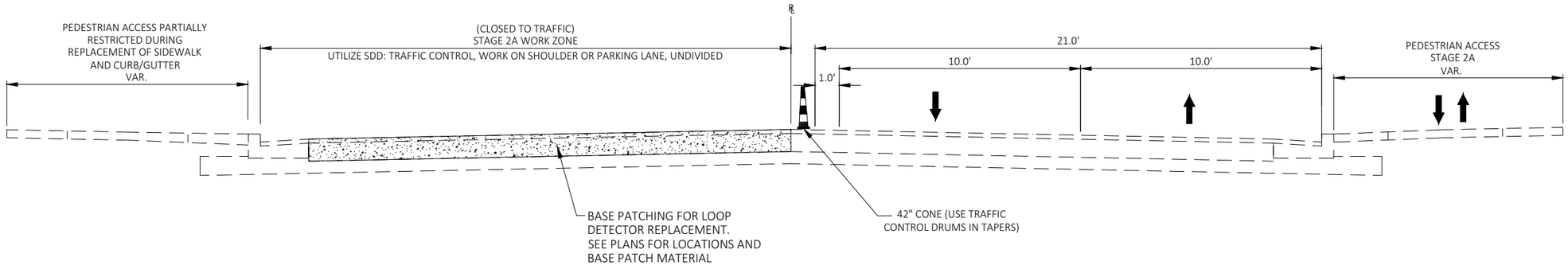
1. ALTERNATING SIDE STREET INTERSECTIONS SHALL BE CLOSED DURING CONSTRUCTION.
2. ACCESS TO DRIVEWAYS WILL BE CLOSED TEMPORARILY DURING MILLING/PAVING OPERATIONS.

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	TYPICAL SECTIONS - STAGE 1B/1C	SHEET 80	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\025101_TC_TS_75.DWG

SHEET NAME: STAGE 1B

2



TYPICAL SECTION - STAGE 2A

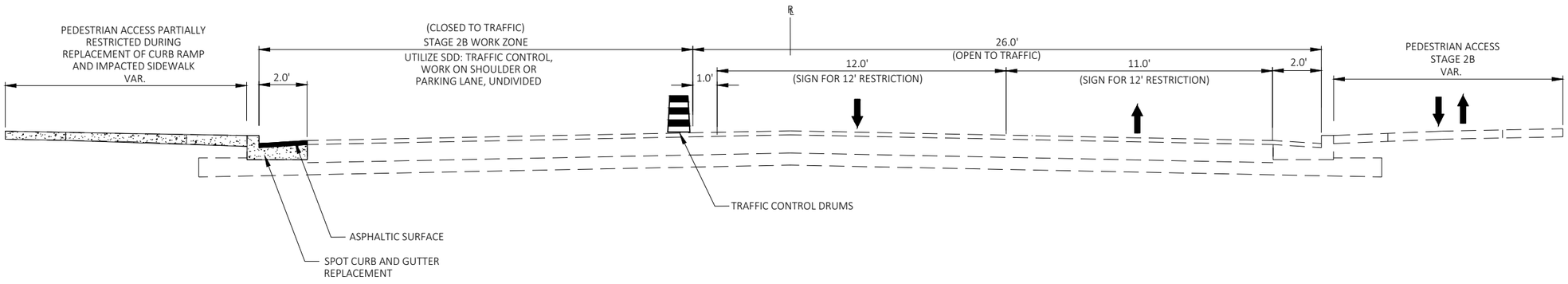
MAIN ST
4TH ST TO WATER ST
STA 140+89.47 TO STA 149+92

PROJECT NO: 6370-01-73	HWY: STH 153	COUNTY: MARATHON	TRAFFIC CONTROL: TYPICAL SECTIONS - STAGE 2A	SHEET 81	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\025102_TC_TS_73.DWG

SHEET NAME: STAGE 2A-73

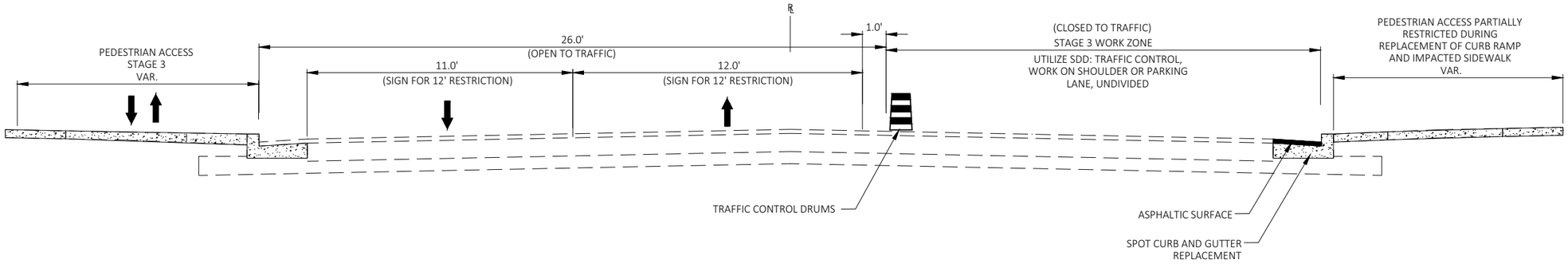
2



TYPICAL SECTION - STAGE 2B

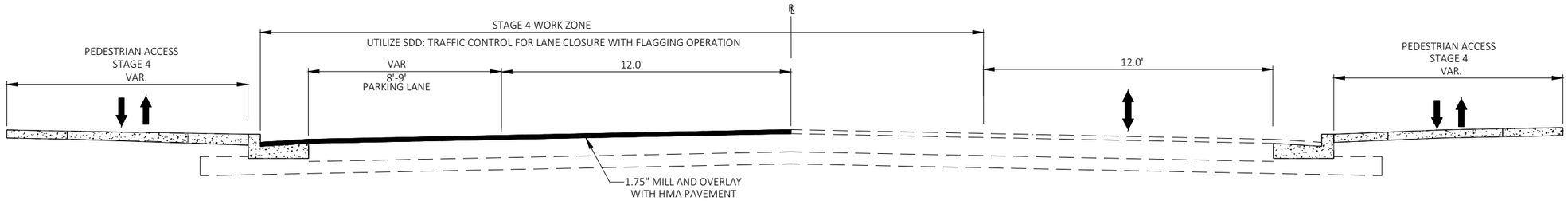
MAIN ST
4TH ST TO WATER ST
STA 140+89.47 TO STA 149+92

2



TYPICAL SECTION - STAGE 3
MAIN ST
4TH ST TO WATER ST
STA 140+89.47 TO STA 149+92

2



TYPICAL SECTION - STAGE 4

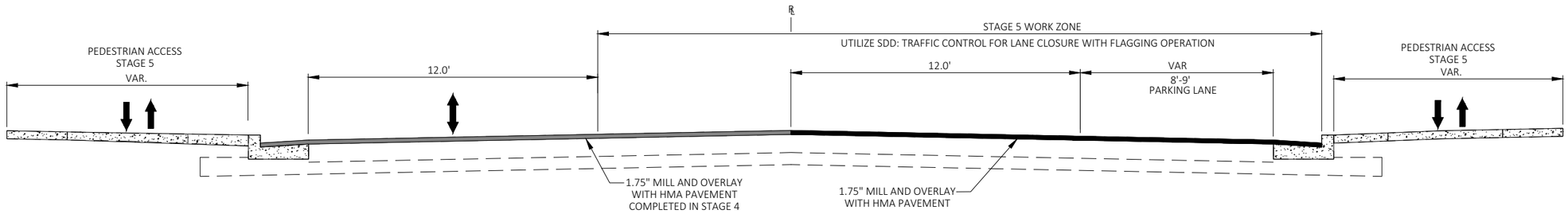
MAIN ST
4TH ST TO WATER ST
STA 140+89.47 TO STA 149+92

STAGE 4 CONSTRUCTION:

STAGE 4: SHIFT TRAFFIC TO EASTBOUND LANE AND SHOULDER UTILIZING FLAGGING OPERATIONS. MILL AND PAVE 1.75-INCH HMA SURFACE LAYER UTILIZING STANDARD DETAIL DRAWING, 'TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION.' ON-STREET PARKING WILL BE LIMITED DURING CONSTRUCTION. PLACE FINAL PAVEMENT MARKINGS.

SIDEWALK IS OPEN TO PEDESTRIANS ON BOTH SIDES OF THE HIGHWAY.

2



TYPICAL SECTION - STAGE 5

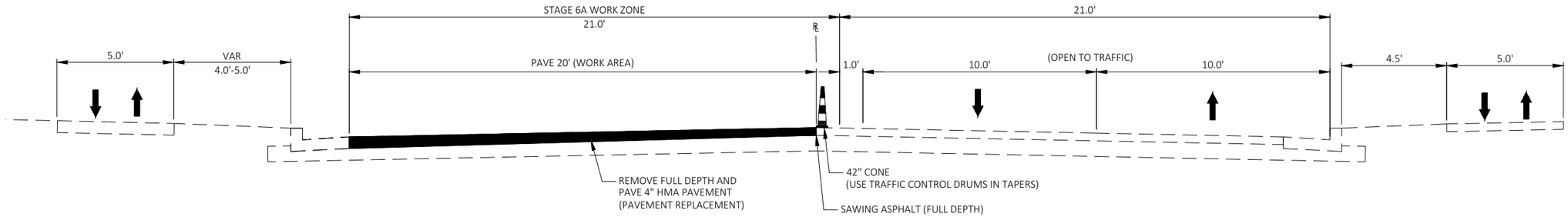
MAIN ST
4TH ST TO WATER ST
STA 140+89.47 TO STA 149+92

STAGE 5 CONSTRUCTION:

STAGE 5: SHIFT TRAFFIC TO WESTBOUND LANE AND SHOULDER UTILIZING FLAGGING OPERATION. MILL AND PAVE 1.75-INCH HMA SURFACE LAYER UTILIZING STANDARD DETAIL DRAWING, 'TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION.' ON-STREET PARKING WILL BE LIMITED DURING CONSTRUCTION. PLACE FINAL PAVEMENT MARKINGS.

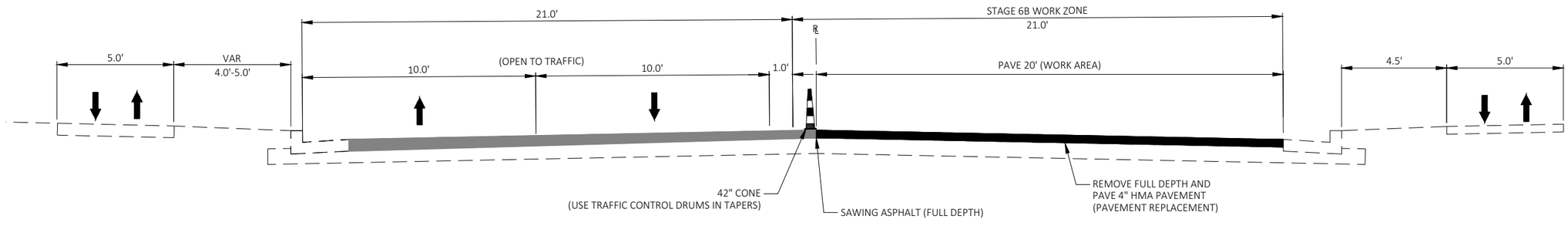
SIDEWALK IS OPEN TO PEDESTRIANS ON BOTH SIDES OF THE HIGHWAY.

2



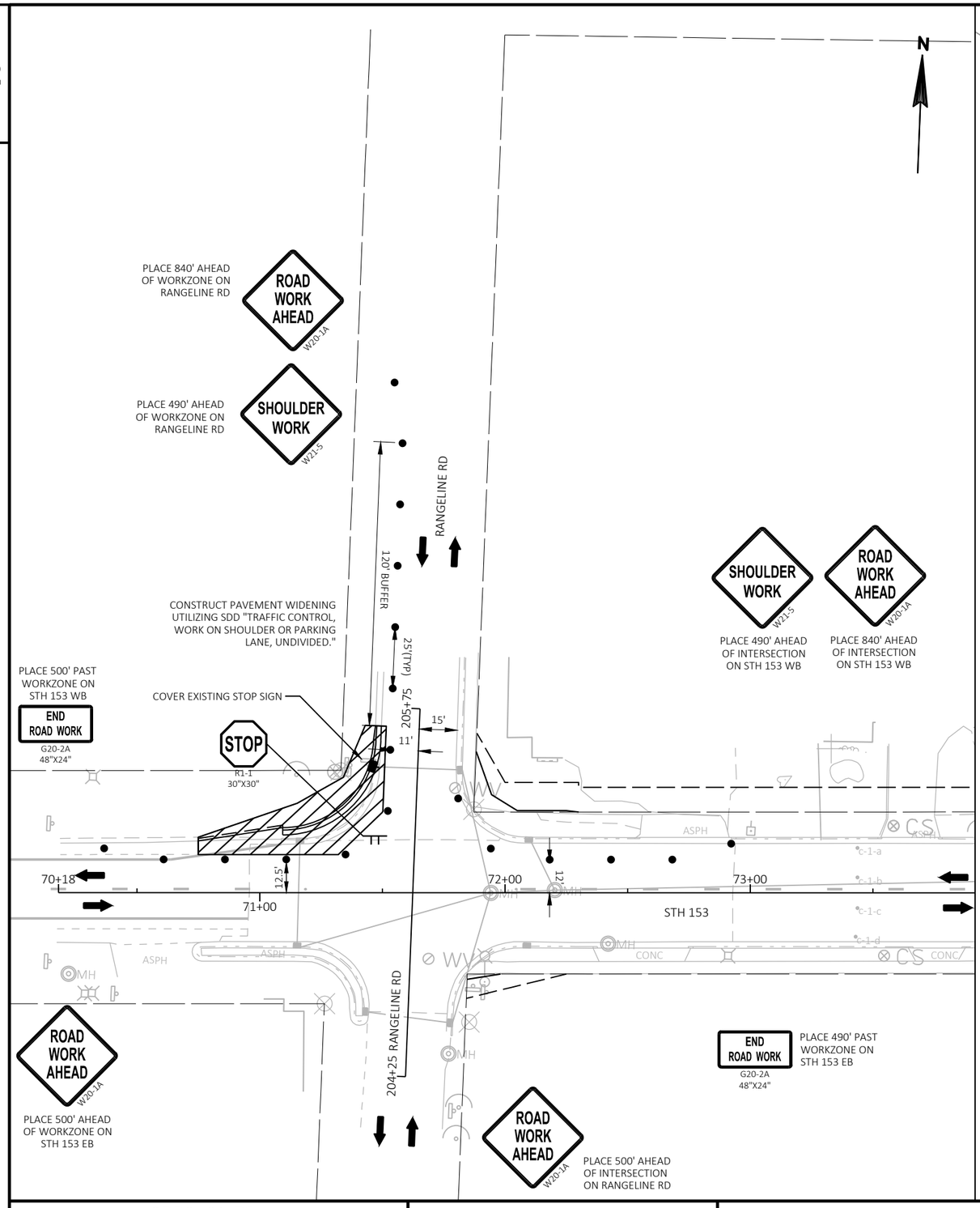
TYPICAL SECTION - STAGE 6A

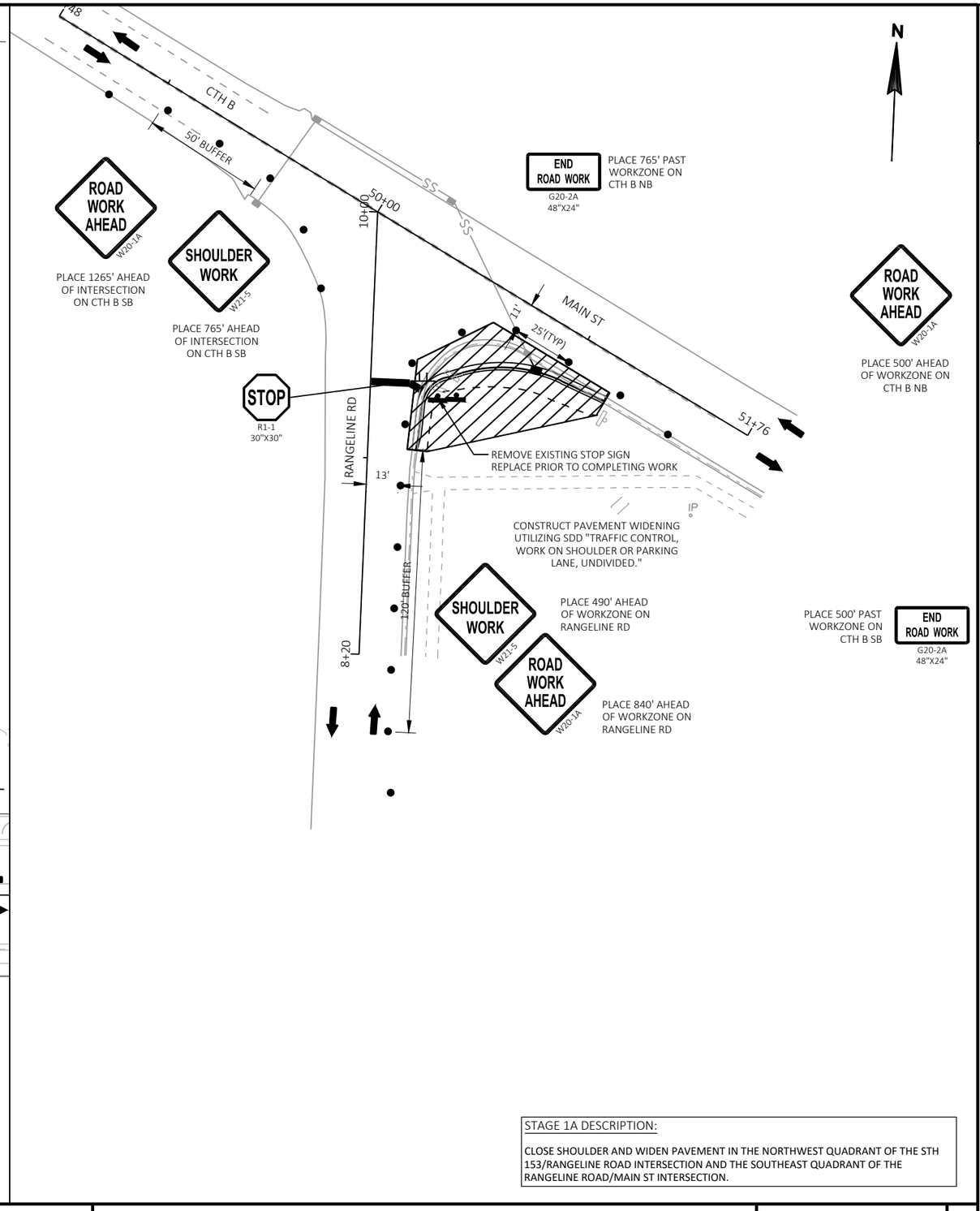
STH 153 & RANGELINE RD INTERSECTION
STA 70+75.03 TO STA 71+78.20



TYPICAL SECTION - STAGE 6B

STH 153 & RANGELINE RD INTERSECTION
STA 70+75.03 TO STA 71+78.20





STAGE 1A DESCRIPTION:

CLOSE SHOULDER AND WIDEN PAVEMENT IN THE NORTHWEST QUADRANT OF THE STH 153/RANGELINE ROAD INTERSECTION AND THE SOUTHEAST QUADRANT OF THE RANGELINE ROAD/MAIN ST INTERSECTION.

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	TRAFFIC CONTROL: STAGE 1A	SHEET 87	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\025103_TC_S1A.DWG

SHEET NAME: 01

2

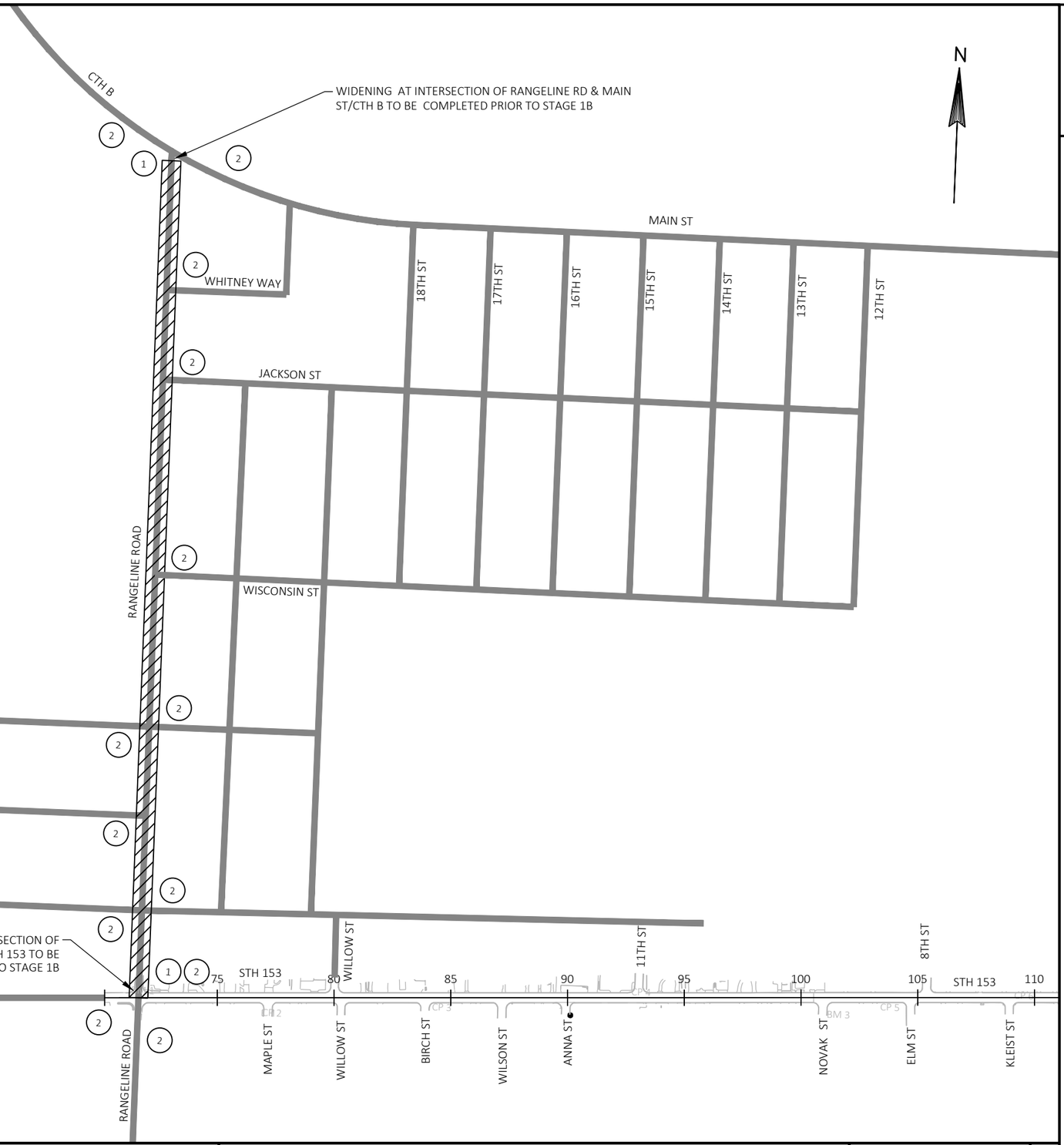
STAGE 1B/C DESCRIPTION:

MILL AND RESURFACE THE ASPHALTIC PAVEMENT ON RANGELINE ROAD IN PREPARATION OF STH 153 DETOUR ROUTE.

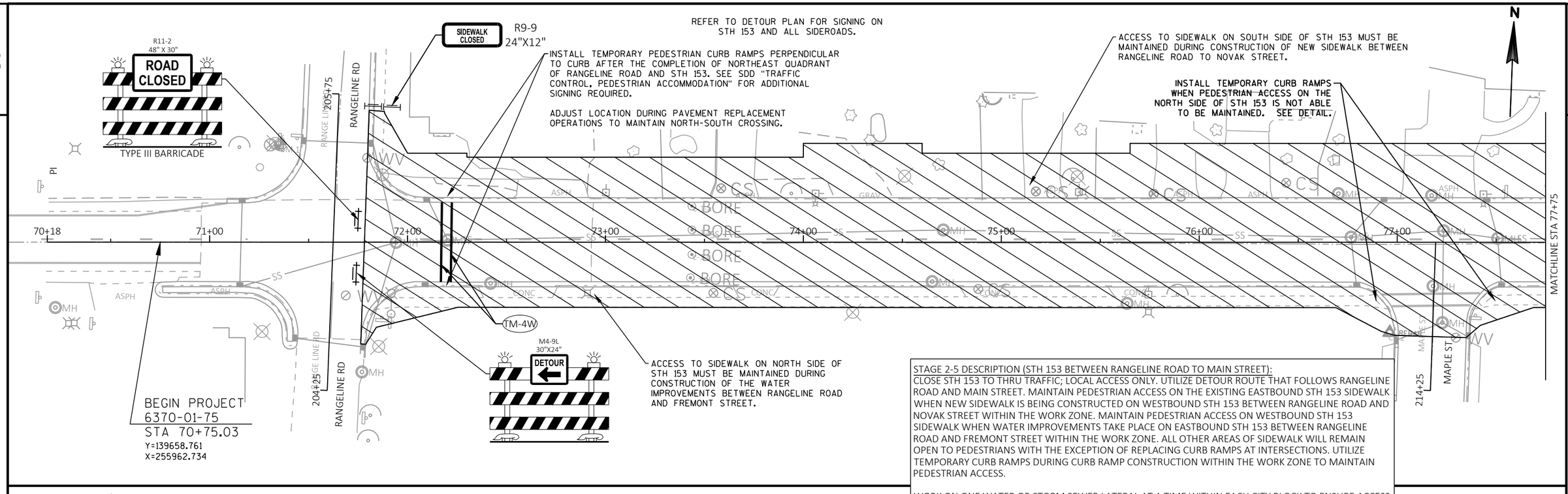
LEGEND:

(1) RANGELINE ROAD SHALL REMAIN OPEN TO TRAFFIC WITH TEMPORARY SINGLE LANE CLOSURES FOR MILLING AND PAVING OPERATIONS. UTILIZE SDD'S "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION" & "TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES".

(2) ALL SIDE ROADS SHALL HAVE TRAFFIC CONTROL AS SHOWN ON TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL PER S.D.D "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC".

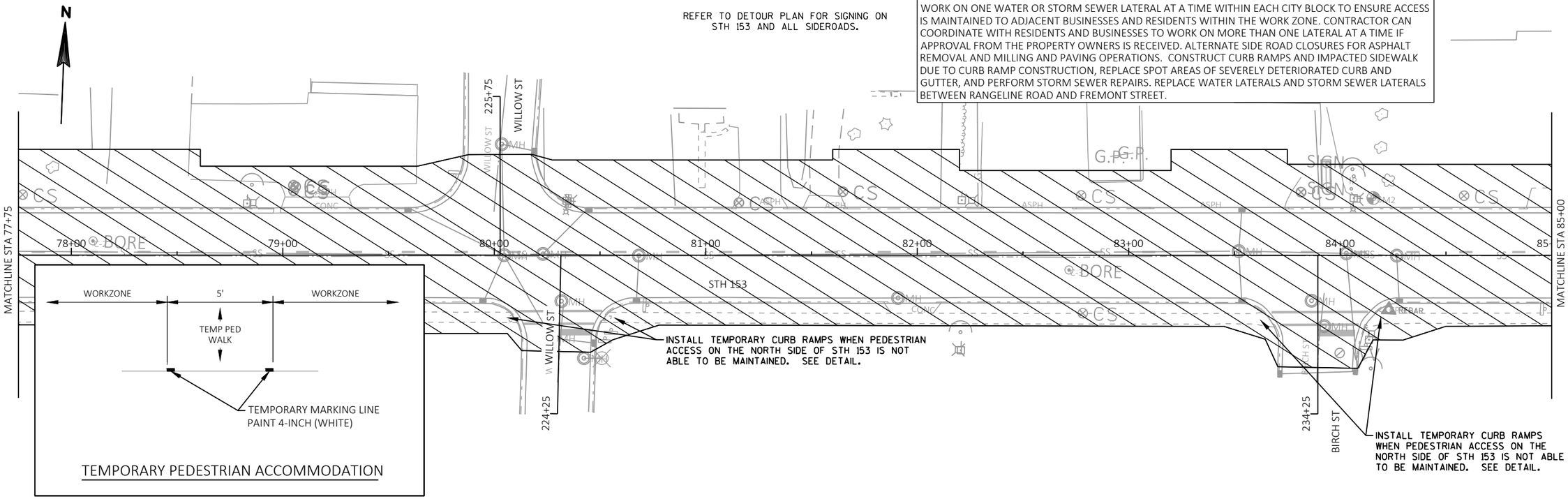


PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	TRAFFIC CONTROL: STAGE 1B/C	SHEET 88	E



STAGE 2-5 DESCRIPTION (STH 153 BETWEEN RANGELINE ROAD TO MAIN STREET):
CLOSE STH 153 TO THRU TRAFFIC; LOCAL ACCESS ONLY. UTILIZE DETOUR ROUTE THAT FOLLOWS RANGELINE ROAD AND MAIN STREET. MAINTAIN PEDESTRIAN ACCESS ON THE EXISTING EASTBOUND STH 153 SIDEWALK WHEN NEW SIDEWALK IS BEING CONSTRUCTED ON WESTBOUND STH 153 BETWEEN RANGELINE ROAD AND NOVAK STREET WITHIN THE WORK ZONE. MAINTAIN PEDESTRIAN ACCESS ON WESTBOUND STH 153 SIDEWALK WHEN WATER IMPROVEMENTS TAKE PLACE ON EASTBOUND STH 153 BETWEEN RANGELINE ROAD AND FREMONT STREET WITHIN THE WORK ZONE. ALL OTHER AREAS OF SIDEWALK WILL REMAIN OPEN TO PEDESTRIANS WITH THE EXCEPTION OF REPLACING CURB RAMPS AT INTERSECTIONS. UTILIZE TEMPORARY CURB RAMPS DURING CURB RAMP CONSTRUCTION WITHIN THE WORK ZONE TO MAINTAIN PEDESTRIAN ACCESS.

WORK ON ONE WATER OR STORM SEWER LATERAL AT A TIME WITHIN EACH CITY BLOCK TO ENSURE ACCESS IS MAINTAINED TO ADJACENT BUSINESSES AND RESIDENTS WITHIN THE WORK ZONE. CONTRACTOR CAN COORDINATE WITH RESIDENTS AND BUSINESSES TO WORK ON MORE THAN ONE LATERAL AT A TIME IF APPROVAL FROM THE PROPERTY OWNERS IS RECEIVED. ALTERNATE SIDE ROAD CLOSURES FOR ASPHALT REMOVAL AND MILLING AND PAVING OPERATIONS. CONSTRUCT CURB RAMPS AND IMPACTED SIDEWALK DUE TO CURB RAMP CONSTRUCTION, REPLACE SPOT AREAS OF SEVERELY DETERIORATED CURB AND GUTTER, AND PERFORM STORM SEWER REPAIRS. REPLACE WATER LATERALS AND STORM SEWER LATERALS BETWEEN RANGELINE ROAD AND FREMONT STREET.

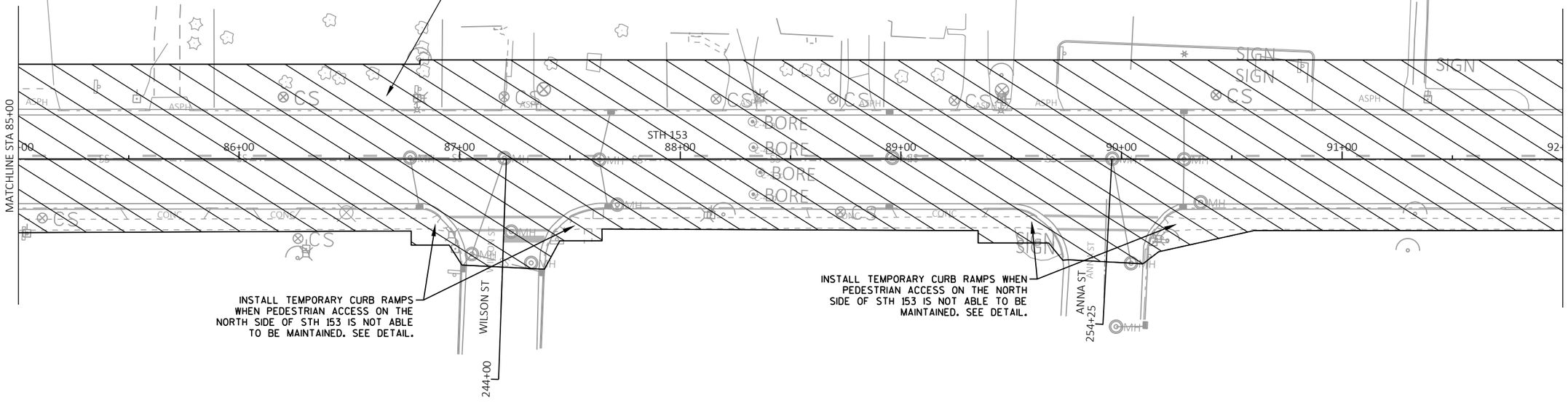


PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	TRAFFIC CONTROL: STAGE 2-5	SHEET 89	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\025105_TC_S2-5-75.DWG
SHEET NAME: 01
PLOT SCALE : 1 IN:50 FT

REFER TO DETOUR PLAN FOR SIGNING ON
STH 153 AND ALL SIDEROADS.

ACCESS TO SIDEWALK ON SOUTH SIDE OF STH 153 MUST BE MAINTAINED DURING CONSTRUCTION OF NEW SIDEWALK BETWEEN RANGELINE ROAD TO NOVAK STREET.



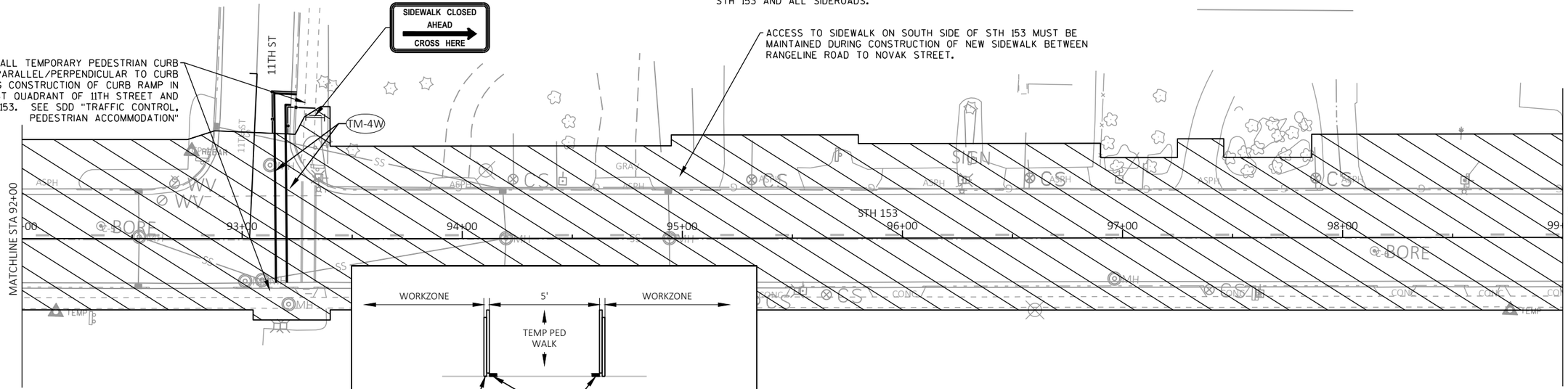
N

R9-11
24"X12"
SIDEWALK CLOSED
AHEAD
CROSS HERE

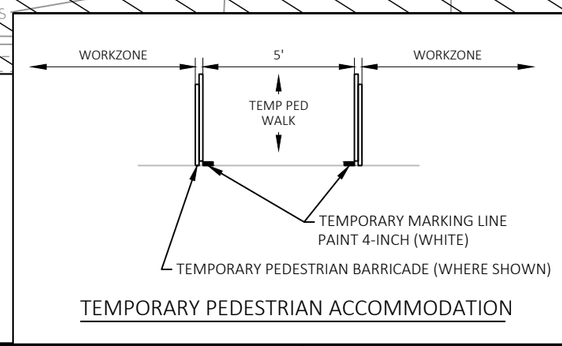
REFER TO DETOUR PLAN FOR SIGNING ON
STH 153 AND ALL SIDEROADS.

ACCESS TO SIDEWALK ON SOUTH SIDE OF STH 153 MUST BE MAINTAINED DURING CONSTRUCTION OF NEW SIDEWALK BETWEEN RANGELINE ROAD TO NOVAK STREET.

INSTALL TEMPORARY PEDESTRIAN CURB RAMPS PARALLEL/PERPENDICULAR TO CURB DURING CONSTRUCTION OF CURB RAMP IN NORTHEAST QUADRANT OF 11TH STREET AND STH 153. SEE SDD "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION"



N



TEMPORARY PEDESTRIAN ACCOMMODATION

2

REFER TO DETOUR PLAN FOR SIGNING ON STH 153 AND ALL SIDEROADS.

R9-11 24"X12"
SIDEWALK CLOSED AHEAD
CROSS HERE

LIMIT WORK TO ONE QUADRANT AT A TIME TO MAINTAIN PEDESTRIAN ACCOMMODATIONS AT 8TH STREET.

R9-11 24"X12"
SIDEWALK CLOSED AHEAD
CROSS HERE

N

ACCESS TO SIDEWALK ON SOUTH SIDE OF STH 153 MUST BE MAINTAINED DURING CONSTRUCTION OF NEW SIDEWALK BETWEEN RANGELINE ROAD TO NOVAK STREET.

INSTALL TEMPORARY CURB RAMPS WHEN PEDESTRIAN ACCESS ON THE SOUTH SIDE OF STH 153 IS NOT ABLE TO BE MAINTAINED. SEE DETAIL.

MATCHLINE STA 99+00

100+00 | 101+00 | 102+00 | 103+00 | STH 153 | 104+00 | 105+00 | 106+00

MATCHLINE STA 106+50

STA 100+54.70
END 4" PAVEMENT REPLACEMENT
BEGIN 4" MILL & FILL

274+25
NOVAK ST

INSTALL TEMPORARY CURB RAMPS WHEN PEDESTRIAN ACCESS ON THE NORTH SIDE OF STH 153 IS NOT ABLE TO BE MAINTAINED. SEE DETAIL.

295+75
8TH ST

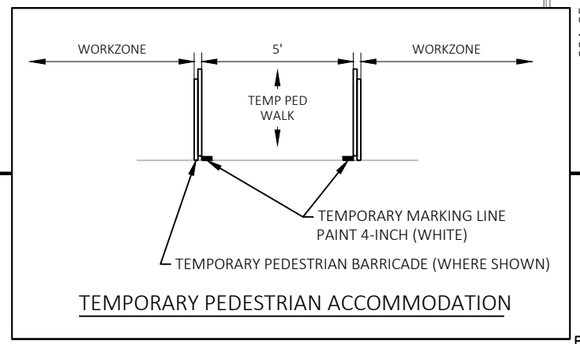
TM-4W

TM-4W

INSTALL TEMPORARY CURB RAMP PERPENDICULAR TO CURB AND . SEE S.D.D. 'TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION" FOR ADDITIONAL DETAILS AND SIGNS REQ'D. COORDINATE LOCATION TO MAINTAIN CROSSING ON STH 153.

284+25
ELM ST

INSTALL TEMPORARY CURB RAMPS WHEN PEDESTRIAN ACCESS ON THE NORTH SIDE OF STH 153 IS NOT ABLE TO BE MAINTAINED. SEE DETAIL.



TEMPORARY PEDESTRIAN ACCOMMODATION

REFER TO DETOUR PLAN FOR SIGNING ON STH 153 AND ALL SIDEROADS.

N

INSTALL TEMPORARY CURB RAMPS WHEN PEDESTRIAN ACCESS ON THE SOUTH SIDE OF STH 153 IS NOT ABLE TO BE MAINTAINED. SEE DETAIL.

315+75
WISCONSIN ST

MATCHLINE STA 106+50

107+00 | 108+00 | 109+00 | STH 153 | 110+00 | 111+00 | 112+00 | 113+00 | 114

MATCHLINE STA 114+00

304+25
KLEIST ST

INSTALL TEMPORARY CURB RAMPS WHEN PEDESTRIAN ACCESS ON THE NORTH SIDE OF STH 153 IS NOT ABLE TO BE MAINTAINED. SEE DETAIL.

INSTALL TEMPORARY CURB RAMPS WHEN PEDESTRIAN ACCESS ON THE NORTH SIDE OF STH 153 IS NOT ABLE TO BE MAINTAINED. SEE DETAIL.

314+25
WISCONSIN ST

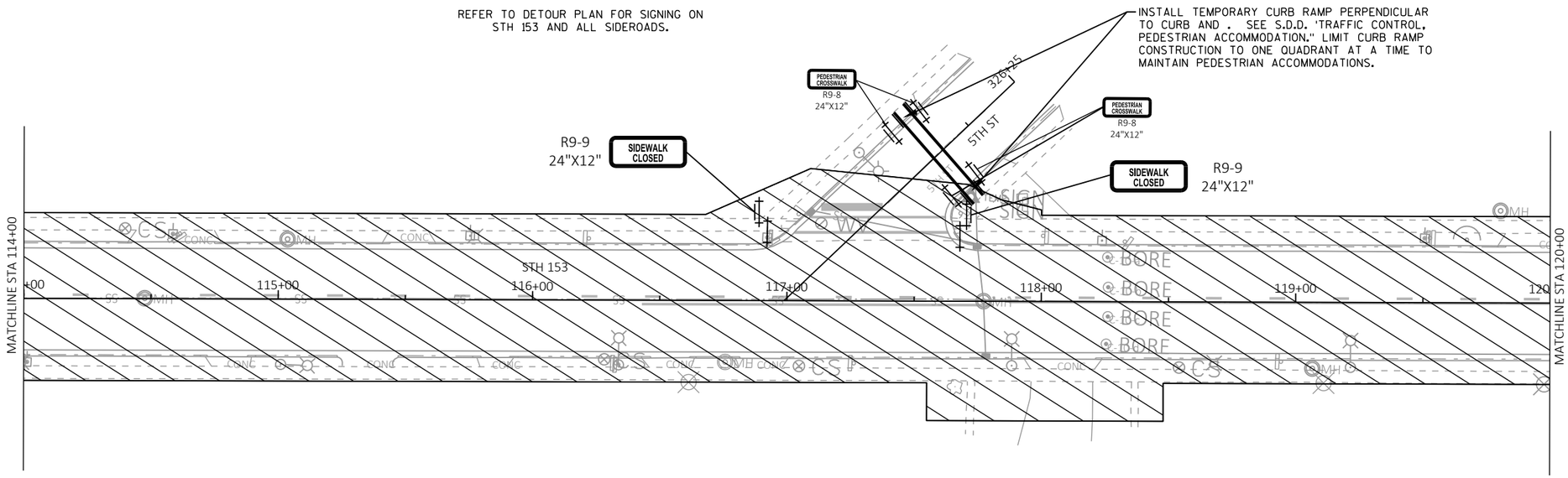
PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	TRAFFIC CONTROL: STAGE 2-5	SHEET	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\025105_TC_S2-5-75.DWG

SHEET NAME: 03

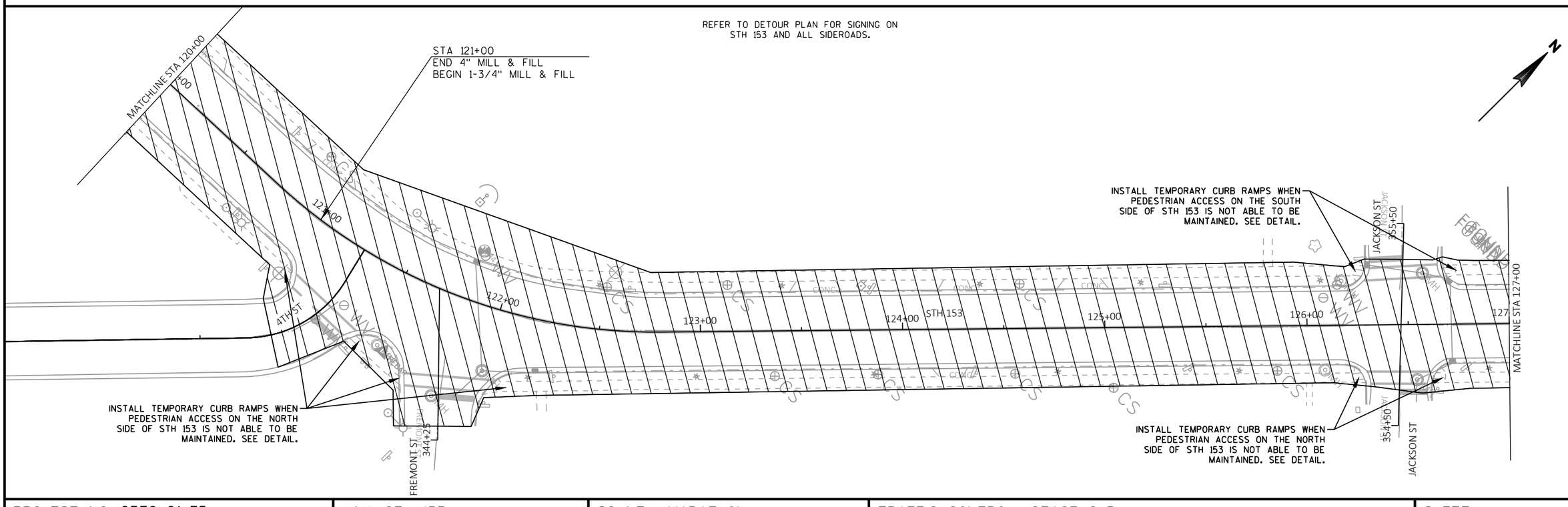
REFER TO DETOUR PLAN FOR SIGNING ON
STH 153 AND ALL SIDEROADS.

INSTALL TEMPORARY CURB RAMP PERPENDICULAR TO CURB AND . SEE S.D.D. 'TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION.' LIMIT CURB RAMP CONSTRUCTION TO ONE QUADRANT AT A TIME TO MAINTAIN PEDESTRIAN ACCOMMODATIONS.



2

REFER TO DETOUR PLAN FOR SIGNING ON
STH 153 AND ALL SIDEROADS.



PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	TRAFFIC CONTROL: STAGE 2-5	SHEET	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\025105_TC_S2-5-75.DWG

SHEET NAME: 04

REFER TO DETOUR PLAN FOR SIGNING ON STH 153 AND ALL SIDEROADS.

R9-11 24"X12" SIDEWALK CLOSED AHEAD CROSS HERE
PLACE SIGN AT NEAREST INTERSECTION

R9-9 24"X12" SIDEWALK CLOSED

INSTALL TEMPORARY CURB RAMPS WHEN PEDESTRIAN ACCESS ON THE SOUTH SIDE OF STH 153 IS NOT ABLE TO BE MAINTAINED. SEE DETAIL.

INSTALL TEMPORARY CURB RAMPS WHEN PEDESTRIAN ACCESS ON THE NORTH SIDE OF STH 153 IS NOT ABLE TO BE MAINTAINED. SEE DETAIL.

HIGH ST

366+00

MATCHLINE STA 127+00

128+00 129+00 130+00 131+00 132+00 133+00

MATCHLINE STA 134+00

STH 153

REFER TO DETOUR PLAN FOR SIGNING ON STH 153 AND ALL SIDEROADS.

PINE ST

MATCHLINE STA 134+00

135+00 136+00 137+00 138+00 139+00 140+00

END PROJECT 6370-01-75
BEGIN PROJECT 6370-01-73
STA 136+32.77

M4-9R 30"X24" DETOUR

MAIN ST

385+75

4TH ST

395+75

141+00

R11-2 48" X 30" ROAD CLOSED
TYPE III BARRICADE

REFER TO 6370-01-73 PROJECT STAGE 2-5 TRAFFIC CONTROL PLANS FOR TRAFFIC CONTROL ON MAIN ST

MATCHLINE STA 142+00

PROJECT NO: 6370-01-73/6370-01-75	HWY: STH 153	COUNTY: MARATHON	TRAFFIC CONTROL: STAGE 2-5	SHEET E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\025105_TC_S2-5-75.DWG
SHEET NAME: 05

SEE S.D.D. "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION" FOR TRAFFIC CONTROL ON 4TH STREET.

REFER TO DETOUR PLAN FOR SIGNING ON STH 153 AND ALL SIDEROADS.

END ROAD WORK G20-2A 48"X24"

WO1-4R

200'

DETOUR M4-9R 30"X24"

SIDEWALK CLOSED CROSS HERE R9-11A 24"X12"

55'

SHIFTING TAPER

4TH ST

TR-4Y (DBYL)

395+75

R3-2 24"X24"

TR-4W

TR-4Y (DBYL)

LANE CLOSED R11-2L 48"X30"

WO1-6 48"X24"

ROAD WORK AHEAD W20-1A

500'

3RD ST

404+00

25' TYP.

141+00

142+00

143+00

144+00

145+00

MAIN ST

146

MATCHLINE STA 146+00

10'

60'

SHIFTING TAPER

200'

SIDEWALK CLOSED R9-9 24"X12"

SIDEWALK CLOSED R9-11 24"X12"

WO1-4L

END ROAD WORK G20-2A 48"X24"

MAX. 10' WIDTH W12-52 48"X48"

SEE S.D.D. "ADVANCED WIDTH RESTRICTION SIGNING" FOR ADDITIONAL SIGNING REQUIRED

ROAD WORK AHEAD W20-1A

200' 200' 200'

WO1-4R

R3-1 24"X24"

ROAD CLOSED TO THRU TRAFFIC R11-4 60"X30"

LOCAL ACCESS ONLY

MAIN ST

140+00

LANE CLOSED R11-2L 48"X30"

TM-4Y

TM-4W

AFTER LOOP DETECTOR CONSTRUCTION ON MAIN ST IS COMPLETE, RETURN TRAFFIC TO ORIGINAL CONFIGURATION AND UTILIZE S.D.D. "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY" TO COMPLETE WORK ON ISLAND AND CURB RAMP

ALTERNATE WORK ON SIDEWALKS TO MAINTAIN ACCESS ON ONE SIDE OF STH 153 AT ALL TIMES. IMPLEMENT SIGNING PER S.D.D. "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION" WHILE WORKING ON EAST SIDEWALK PATCH AT PULL BOX REPLACEMENT

REFER TO DETOUR PLAN FOR SIGNING ON STH 153 AND ALL SIDEROADS.

2ND ST

WATER ST

MATCHLINE STA 146+00

147+00

148+00

149+00

150+00

151+00

151+48

MAIN ST

STAGE 2A CONSTRUCTION:

STH 153 TO REMAIN CLOSED FROM RANGELINE ROAD TO MAIN STREET TO THRU TRAFFIC; LOCAL ACCESS ONLY. CONTINUE TO UTILIZE DETOUR ROUTE. UTILIZE TEMPORARY CURB RAMPS DURING CURB RAMP CONSTRUCTION WITHIN THE WORK ZONE TO MAINTAIN PEDESTRIAN ACCESS.

MAIN ST:
SHIFT TRAFFIC ON STH 153 TO EASTBOUND LANE AND SHOULDER UTILIZING A 10' LANE IN EACH DIRECTION. CLOSE STH 153 (MAIN STREET) WESTBOUND LANE AND SHOULDER BETWEEN 3RD AND 4TH STREET FOR LOOP DETECTOR CONSTRUCTION. UTILIZE SUPER HIGH EARLY STRENGTH (SHES) CONCRETE TO MINIMIZE THE TIME USING RESTRICTIVE LANE WIDTHS AND PROVIDE MORE ROOM FOR TRAFFIC ON STH 153. CLOSE 4TH STREET SOUTHBOUND LANE AND SHOULDER BETWEEN STH 153 (MAIN STREET) AND WASHINGTON STREET FOR LOOP DETECTOR CONSTRUCTION. LOCAL TRAFFIC WILL UTILIZE ALTERNATE ROUTES TO ACCESS STH 153 (MAIN STREET). WORK IS ANTICIPATED TO TAKE ONE WORKING DAY. SIDEWALK WILL REMAIN OPEN TO PEDESTRIANS.

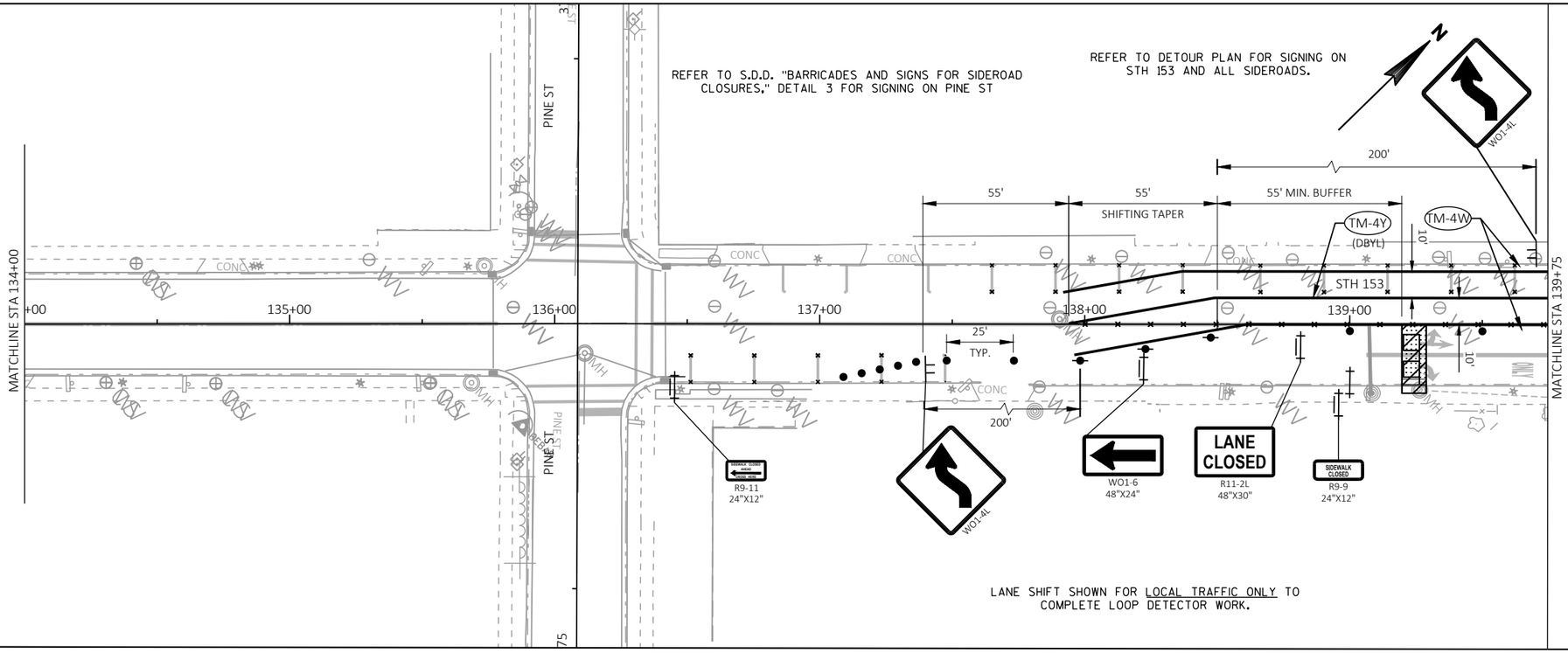
INSTALL NEW RIGHT TURN LANE MONOTUBE, CONSTRUCT CURB RAMPS AND SIDEWALK, PORK CHOP ISLAND CURB RAMPS, AND LOOP DETECTORS IN FRONT OF CITY SQUARE PARK AT THE INTERSECTION OF 4TH STREET AND MAIN STREET. REPLACE LOOP DETECTORS ON WESTBOUND MAIN STREET BETWEEN 3RD AND 4TH STREET AND ON 4TH STREET BETWEEN MAIN STREET AND WASHINGTON STREET.

PROJECT NO: 6370-01-73	HWY: STH 153	COUNTY: MARATHON	TRAFFIC CONTROL: STAGE 2A	SHEET	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\025106_TC_S2A-73.DWG

SHEET NAME: 06

2


REFER TO S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES," DETAIL 3 FOR SIGNING ON PINE ST
REFER TO DETOUR PLAN FOR SIGNING ON STH 153 AND ALL SIDEROADS.
N
WO1-4L
200'
55'
55'
55' MIN. BUFFER
SHIFTING TAPER
TM-4Y
(DBYL)
TM-4W
10'
STH 153
PINE ST
MATCHLINE STA 134+00
MATCHLINE STA 139+75
135+00
136+00
137+00
138+00
139+00
25'
TYP.
CONC
200'
R9-11
24"X12"
WO1-4L
WO1-6
48"X24"
LANE CLOSED
R11-2L
48"X30"
SIDEWALK CLOSED
R9-9
24"X12"
LANE SHIFT SHOWN FOR LOCAL TRAFFIC ONLY TO COMPLETE LOOP DETECTOR WORK.

END ROAD WORK
G20-2A
48"X24"

ROAD WORK AHEAD
W20-1A

DETOUR
M4-9R
30"X24"

SIDEWALK CLOSED CROSS HERE
R9-11A
24"X12"
PLACE SIGN AT NEAREST INTERSECTION

SIDEWALK CLOSED
R9-9
24"X12"

200'

25'
TYP.

WO1-4R

(DBYL)
TR-4Y

385+75

200'
200'
200'
42'
42'
SHIFTING TAPER

TM-4W

R3-1
24"X24"

ROAD WORK AHEAD
W20-1A

MAX. 12' WIDTH
W12-52
48"X48"

SEE S.D.D. "ADVANCED WIDTH RESTRICTION SIGNING" FOR ADDITIONAL SIGNING REQUIRED.

MAIN ST
140

4TH ST
395+75

500'

SIDEWALK CLOSED
R9-9
24"X12"

ALTERNATE SIDEWALK CLOSURE ON 4TH STREET DURING CURB RAMP CONSTRUCTION

TM-18W

WO1-4R

PLACE 200' IN ADVANCE OF SHIFTING TAPER

R3-2
24"X24"

TM-4W

141
142
143
144

ROAD CLOSED TO THRU TRAFFIC
R11-4
60"X30"

CONC

ROAD WORK AHEAD
W20-1A

500'

LANE CLOSED
R11-2L
48"X30"

SIDEWALK CLOSED
R9-9
24"X12"

50'
TYP.

12'
11'

TM-4Y
(DBYL)

STOP
R1-1
30"X30"

3RD ST
404+00

END ROAD WORK
G20-2A
48"X24"

SIDEWALK CLOSED CROSS HERE
R9-11A
24"X12"
PLACE SIGN AT NEAREST INTERSECTION

END ROAD WORK
G20-2A
48"X24"

ALTERNATE SIDEWALK CLOSURE ON 3RD STREET DURING CURB RAMP CONSTRUCTION

SIDEWALK CLOSED
R9-9
24"X12"

3RD ST

145

MAIN ST

MATCHLINE STA 146+00

CONC

STOP

500'

ROAD WORK AHEAD
W20-1A

2

LANE CLOSED
R11-2L
48"X30"

ROAD WORK AHEAD
W20-1A

500'

2ND ST

SIDEWALK CLOSED CROSS HERE
R9-11A
24"X12"
PLACE SIGN AT NEAREST INTERSECTION

END ROAD WORK
G20-2A
48"X24"

ALTERNATE SIDEWALK CLOSURE ON 2ND STREET DURING CURB RAMP CONSTRUCTION

SIDEWALK CLOSED
R9-9
24"X12"

STOP

TM-4W

MATCHLINE STA 146+00

6
147
148
149

MAIN ST

CONC

50'
TYP.

TM-4Y
(DBYL)

STOP
R1-1
30"X30"

2ND ST

500'

END ROAD WORK
G20-2A
48"X24"

ROAD WORK AHEAD
W20-1A

ROAD WORK AHEAD
W20-1A

500'

WATER ST

END ROAD WORK
G20-2A
48"X24"

STOP

SEE S.D.D. "ADVANCED WIDTH RESTRICTION SIGNING" FOR ADDITIONAL SIGNING REQUIRED.

MAX. 12' WIDTH
W12-52
48"X48"

200'
200'

TR-4W

25'

25'
TYP.

150
151

50'

WO1-4L

PLACE 200' IN ADVANCE OF SHIFTING TAPER

WO1-6
48"X24"

50'
SHIFTING TAPER

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

TR-4W

TR-4Y

STOP
R1-1
30"X30"

WO1-4L

PLACE 200' IN ADVANCE OF SHIFTING TAPER

NOTES:
USE REMOVAL TABLE OUTSIDE OF CONSTRUCTION LIMITS.

REPLACE PAVEMENT MARKINGS EAST OF WATER STREET AT COMPLETION OF STAGE 2B PRIOR TO STAGE 3.

STAGE 2B CONSTRUCTION:

STH 153 TO REMAIN CLOSED FROM RANGELINE ROAD TO MAIN STREET TO THRU TRAFFIC; LOCAL ACCESS ONLY. CONTINUE TO UTILIZE DETOUR ROUTE. UTILIZE TEMPORARY CURB RAMPS DURING CURB RAMP CONSTRUCTION WITHIN THE WORK ZONE TO MAINTAIN PEDESTRIAN ACCESS.

MAIN ST:
SHIFT TRAFFIC ON STH 153 TO EASTBOUND LANE AND SHOULDER, AND INSIDE SECTION OF WESTBOUND LANE. CLOSE STH 153 (MAIN STREET) WESTBOUND LANE AND SHOULDER. CLOSE 4TH STREET SOUTHBOUND SHOULDER FOR CURB RAMP CONSTRUCTION AT THE 4TH STREET AND MAIN STREET (STH 153) INTERSECTION. SIDEWALK WILL REMAIN OPEN TO PEDESTRIANS EXCEPT FOR REPLACING CURB RAMPS AT THE INTERSECTION OF 4TH STREET AND MAIN STREET (STH 153).

CONSTRUCT WESTBOUND CURB RAMPS, IMPACTED SIDEWALK DUE TO CURB RAMP CONSTRUCTION, SPOT CURB AND GUTTER, AND STORM SEWER REPAIRS.

PROJECT NO: 6370-01-73	HWY: STH 153	COUNTY: MARATHON	TRAFFIC CONTROL: STAGE 2B	SHEET	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\025107_TC_S2B-73.DWG

SHEET NAME: 06

2

END ROAD WORK G20-2A 48"X24"

ROAD WORK AHEAD W20-1A

WO1-4L

200'

NOTE: USE REMOVABLE TAPE OUTSIDE CONSTRUCTION LIMITS

(DBYL) TR-4Y

200'

200'

55'

SHIFTING TAPER

55'

BUFFER

R3-1 24"X24"

385+75

SIDEWALK CLOSED R9-9 24"X12"

SIDEWALK CLOSED CROSS HERE R9-11A 24"X12" PLACE SIGN AT NEAREST INTERSECTION

MAX. 12' WIDTH W12-52 48"X48" SEE S.D.D. "ADVANCED WIDTH RESTRICTION SIGNING" FOR ADDITIONAL SIGNING REQUIRED.

SAWCUT FOR PROPOSED LOOP DETECTOR TO BE CONSTRUCTED UTILIZING SDD "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION." EXTEND SHOULDER CLOSURE TO LOOP DETECTOR WORK ZONE WHEN WORK OCCURRING. SEE S.D.D. "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY."

SIDEWALK CLOSED CROSS HERE R9-11A 24"X12" PLACE SIGN AT NEAREST INTERSECTION

4TH ST

500'

395+75

MAIN ST

140

141

142

143

144

ROAD CLOSED TO THRU TRAFFIC R11-4 60"X30"

R3-2 24"X24"

(DBYL) TM-4Y

LANE CLOSED R11-2L 48"X30"

DETOUR M4-9R 30"X24"

12'

TM-4W

ROAD WORK AHEAD W20-1A

STOP R1-1 30"X30"

COVER EX. STOP SIGN

3RD ST

404+00

SIDEWALK CLOSED R9-9 24"X12"

SIDEWALK CLOSED CROSS HERE R9-11A 24"X12" PLACE SIGN AT NEAREST INTERSECTION

END ROAD WORK G20-2A 48"X24"

ALTERNATE SIDEWALK CLOSURE ON 3RD STREET DURING CURB RAMP CONSTRUCTION

(DBYL)

MAIN ST

145

50'

TYP.

MATCHLINE STA 146+00

LANE CLOSED R11-2L 48"X30"

ROAD WORK AHEAD W20-1A

2ND ST

500'

STOP R1-1 30"X30"

COVER EX. STOP SIGN

LANE CLOSED R11-2L 48"X30"

PLACE 200' IN ADVANCE OF SHIFTING TAPER

(DBYL) TM-4Y

MAIN ST

146

147

148

149

150

151

50'

TYP.

TM-4W

SIDEWALK CLOSED R9-9 24"X12"

ALTERNATE SIDEWALK CLOSURE ON 2ND STREET DURING CURB RAMP CONSTRUCTION

END ROAD WORK G20-2A 48"X24"

SIDEWALK CLOSED R9-9 24"X12"

SIDEWALK CLOSED CROSS HERE R9-11A 24"X12" PLACE SIGN AT NEAREST INTERSECTION

SIDEWALK CLOSED CROSS HERE R9-11A 24"X12" PLACE SIGN AT NEAREST INTERSECTION

2ND ST

500'

ROAD WORK AHEAD W20-1A

STOP COVER EX. STOP SIGN

WO1-4R

PLACE 200' IN ADVANCE OF SHIFTING TAPER

ROAD WORK AHEAD W20-1A

500'

WATER ST

MAX. 12' WIDTH W12-52 48"X48"

200'

200'

END ROAD WORK G20-2A 48"X24"

ROAD WORK AHEAD W20-1A

SEE S.D.D. "ADVANCED WIDTH RESTRICTION SIGNING" FOR ADDITIONAL SIGNING REQUIRED.

STAGE 3 CONSTRUCTION:

STH 153 TO REMAIN CLOSED FROM RANGELINE ROAD TO MAIN STREET TO THRU TRAFFIC; LOCAL ACCESS ONLY. CONTINUE TO UTILIZE DETOUR ROUTE. UTILIZE TEMPORARY CURB RAMPS DURING CURB RAMP CONSTRUCTION WITHIN THE WORK ZONE TO MAINTAIN PEDESTRIAN ACCESS.

MAIN ST:
SHIFT TRAFFIC ON STH 153 TO WESTBOUND LANE AND SHOULDER, AND INSIDE SECTION OF EASTBOUND LANE. CLOSE REMAINING EASTBOUND LANE AND SHOULDER. MAINTAIN PEDESTRIAN ACCESS DURING CURB RAMP CONSTRUCTION BY LIMITING WORK TO ONE QUADRANT AT A TIME AT INTERSECTIONS TO MINIMIZE PEDESTRIAN DISRUPTION. MAINTAIN THRU ACCESS AT SIDE ROADS AT ALL TIMES DURING CURB RAMP CONSTRUCTION. CONVERT THE 4TH STREET AND MAIN STREET (STH 153) INTERSECTION TO AN ALL-WAY STOP CONTROL FOR TWO WORKING DAYS TO REPLACE ALL TRAFFIC SIGNAL CABLE, TRAFFIC SIGNAL CABINET, AND TRAFFIC SIGNAL HEADS.

REPLACE ALL TRAFFIC SIGNAL CABLE, TRAFFIC SIGNAL CABINET, AND TRAFFIC SIGNAL HEADS AT THE 4TH STREET AND MAIN STREET INTERSECTION. REPLACE LOOP DETECTOR ON THE EASTBOUND CTH B APPROACH TO THE STH 153 (CTH B/MAIN STREET) AND STH 153 (4TH STREET) INTERSECTION. CONSTRUCT EASTBOUND CURB RAMPS, IMPACTED SIDEWALK DUE TO CURB RAMP CONSTRUCTION, SPOT CURB AND GUTTER, AND STORM SEWER REPAIRS. CONSTRUCT BUMP-OUT AND CURB RAMP IN THE SOUTHWEST CORNER OF THE STH 153 (CTH B/MAIN STREET) AND STH 153 (4TH STREET) INTERSECTION.

PROJECT NO: 6370-01-73	HWY: STH 153	COUNTY: MARATHON	TRAFFIC CONTROL: STAGE 3	SHEET	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\025108_TC_S3-73.DWG

SHEET NAME: 06

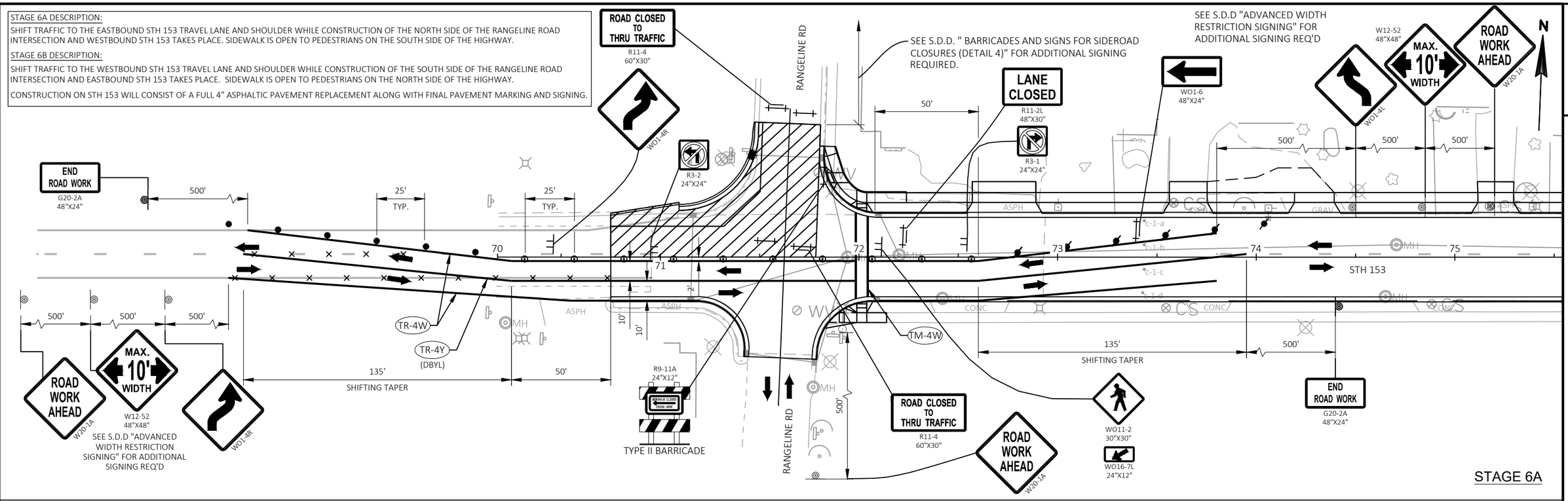
STAGE 6A DESCRIPTION:

SHIFT TRAFFIC TO THE EASTBOUND STH 153 TRAVEL LANE AND SHOULDER WHILE CONSTRUCTION OF THE NORTH SIDE OF THE RANGELINE ROAD INTERSECTION AND WESTBOUND STH 153 TAKES PLACE. SIDEWALK IS OPEN TO PEDESTRIANS ON THE SOUTH SIDE OF THE HIGHWAY.

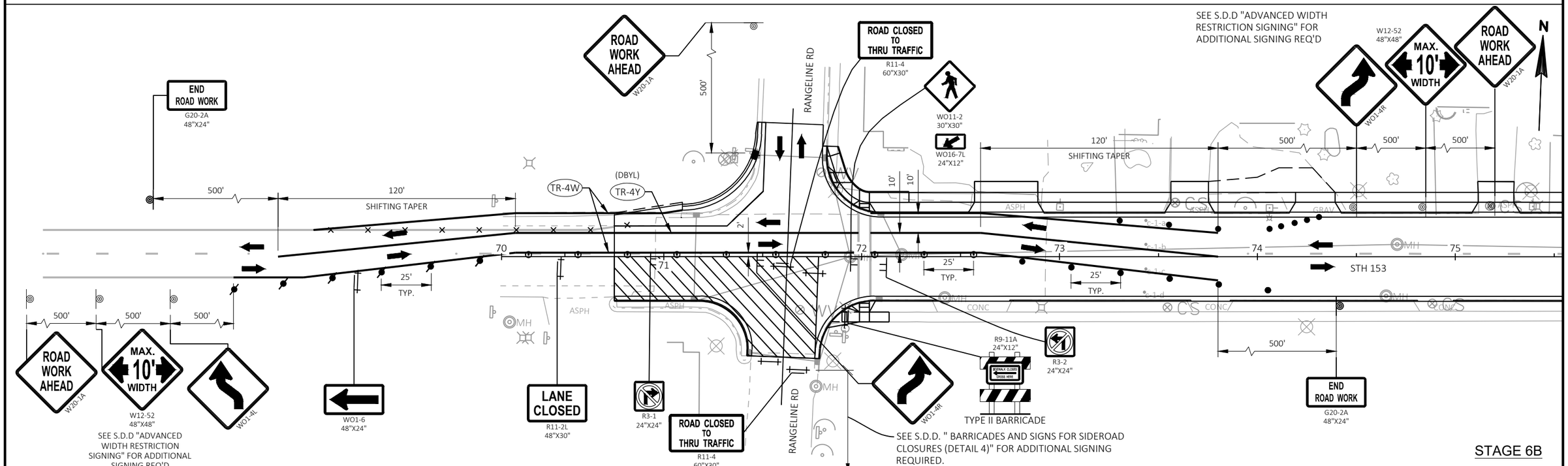
STAGE 6B DESCRIPTION:

SHIFT TRAFFIC TO THE WESTBOUND STH 153 TRAVEL LANE AND SHOULDER WHILE CONSTRUCTION OF THE SOUTH SIDE OF THE RANGELINE ROAD INTERSECTION AND EASTBOUND STH 153 TAKES PLACE. SIDEWALK IS OPEN TO PEDESTRIANS ON THE NORTH SIDE OF THE HIGHWAY.

CONSTRUCTION ON STH 153 WILL CONSIST OF A FULL 4" ASPHALTIC PAVEMENT REPLACEMENT ALONG WITH FINAL PAVEMENT MARKING AND SIGNING.



STAGE 6A



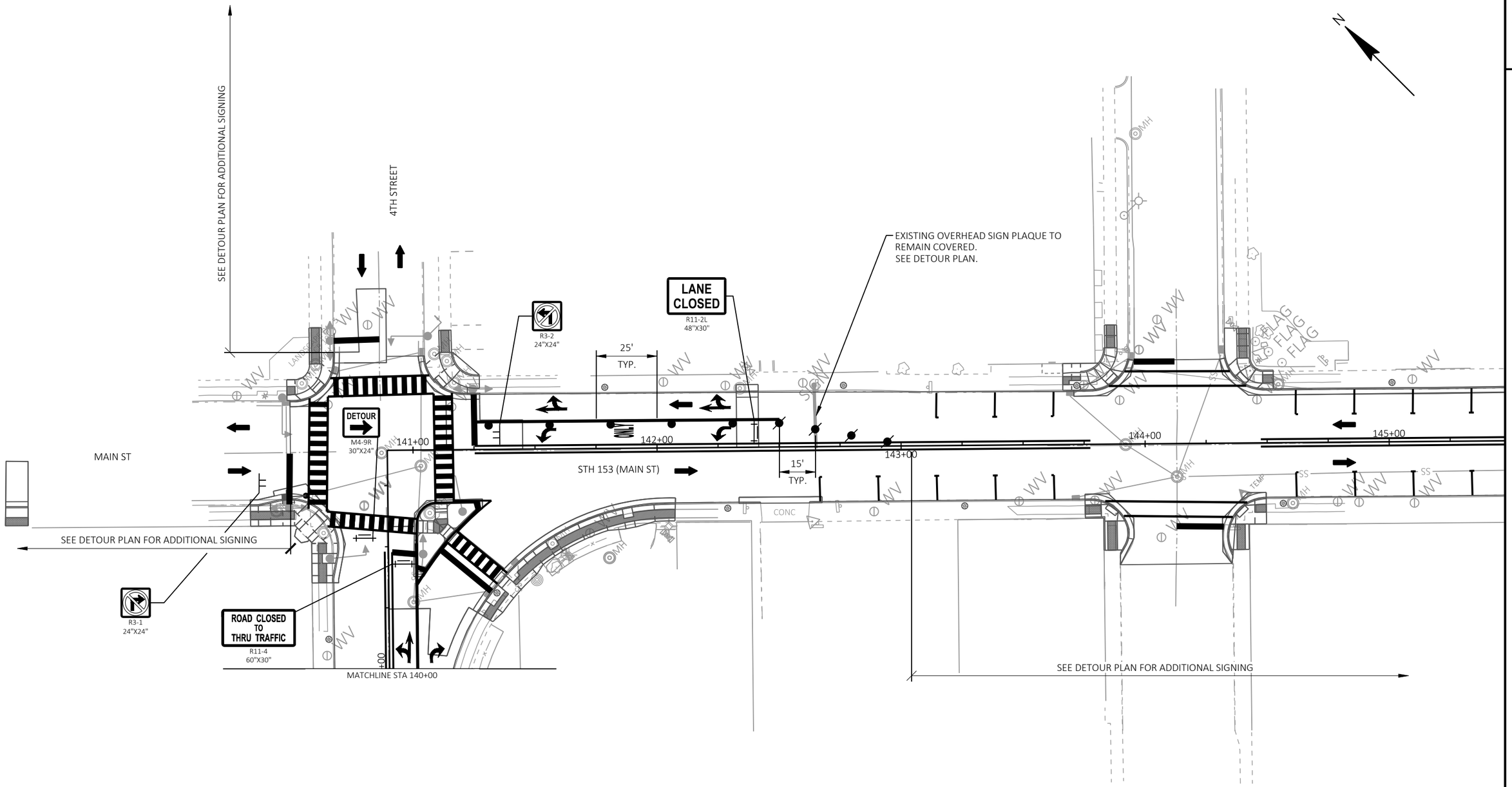
STAGE 6B

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	TRAFFIC CONTROL: STAGE 6A/6B	SHEET	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\025108_TC_S6_RANGE LINE.DWG

SHEET NAME: 01

2



PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	TRAFFIC CONTROL: LEFT TURN LANE CLOSURE DETAIL	SHEET 99	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\027002_DT_LEFT TURN LANE CLOSURE.DWG
LAYOUT NAME - 01
PLOT DATE : 11/24/2021 3:38 PM
PLOT BY : CORY IHDE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND:

- CONSTRUCTION WORKZONE
- DETOUR ROUTE
- TYPE III BARRICADE WITHOUT / WITH SIGN
- SIGN COVER
- MB — TRAFFIC CONTROL SIGNS PCMS

① PLACEMENT OF TRAFFIC CONTROL DEVICES ON SIDEROADS ADJACENT TO CONSTRUCTION LIMITS TO FOLLOW SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES", DETAIL 3 OR 4.

ROAD CLOSED AHEAD W20-3A

ROAD CLOSED 500 FT W20-3D

ROAD CLOSED TO THRU TRAFFIC R11-4 60"X30"

① STH 153 ROAD WORK BEGINS XXX-XX. SIGNING TO BE PLACED 7 CALENDAR DAYS PRIOR TO PROJECT START. TO BE REMOVED AFTER PROJECT BEGINS.

HWY 153 ROAD WORK BEGINS XXX-XX G20-57 96"X48"

N

MARSH DR

WIDENING AT INTERSECTION OF RANGELINE RD & MAIN ST/CTH B TO BE COMPLETED PRIOR TO DETOUR

MILL AND OVERLAY OF RANGELINE ROAD TO BE COMPLETED PRIOR TO DETOUR

DETOUR ROUTE

MAIN ST /CTH B

RANGELINE ROAD

BOBCAT DR

18TH ST 17TH ST 16TH ST 15TH ST 14TH ST 13TH ST 12TH ST 11TH ST 9TH ST 8TH ST 7TH ST 6TH ST 5TH ST 4TH ST 3RD ST 2ND ST

DETOUR WEST 153 M4-8 24"X12" M3-4 24"X12" M1-6 24"X24" MO6-1 21"X21"

DETOUR WEST 153 M4-8 24"X12" M3-4 24"X12" M1-6 24"X24" MO5-1L 21"X21"

STOP DETOUR EAST 153 M4-8 24"X12" M3-2 24"X12" M1-6 24"X24" MO6-1 21"X21"

DETOUR EAST 153 M4-8 24"X12" M3-2 24"X12" M1-6 24"X24" MO5-1R 21"X21"

STOP DETOUR WEST 153 M4-8 24"X12" M3-4 24"X12" M1-6 24"X24" MO6-1 21"X21"

DETOUR WEST 153 M4-8 24"X12" M3-4 24"X12" M1-6 24"X24" MO5-1R 21"X21"

END DETOUR WEST 153 M4-8A 24"X18" M3-4 24"X12" M1-6 24"X24" SPEED LIMIT 45

DETOUR WEST 153 M4-8 24"X12" M3-4 24"X12" M1-6 24"X24"

DETOUR EAST 153 M4-8 24"X12" M3-2 24"X12" M1-6 24"X24"

DETOUR M4-9R 30"X24"

PLACEMENT OF TRAFFIC CONTROL DEVICES TO FOLLOW SDD "BARRICADES AND SIGNS FOR VARIOUS CLOSURES", DETAIL E

STH 153

RANGELINE ROAD

DETOUR M4-9L 30"X24"

ROAD CLOSED TO THRU TRAFFIC R11-4 60"X30"

MAIN ST

STH 153

CITY OF MOSINEE

DETOUR WEST 153 COUNTY B M4-8 24"X12" MO6-1 21"X21"

COVER WITH

OVERHEAD SIGN

SPEED LIMIT 25 WEST 153 M3-4 24"X12" M1-6 24"X24"

DETOUR AHEAD W20-2A

MB (SITE 2)

END DETOUR EAST 153 SPEED LIMIT 25 M4-8A 24"X18"

PINE ST HIGH ST JACKSON ST FREMONT ST WATER ST

MAPLE ST WILLOW ST BIRCH ST WILSON ST ANNA ST 11TH ST NOVAK ST ELM ST 8TH ST KLEIST ST WISCONSIN ST 4TH ST

75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150

CONSTRUCTION LIMITS

(SITE 1) MB

SPEED LIMIT 35

EAST 153 M3-2 24"X12" M1-6 24"X24" DETOUR AHEAD W20-2A

FIRE TRUCKS ENTERING WHEN FLASHING

DETOUR EAST 153 M4-8 24"X12" M3-2 24"X12" M1-6 24"X24" MO5-1L 21"X21"

DETOUR EAST 153 M4-8 24"X12" M3-2 24"X12" M1-6 24"X24" MO6-1 21"X21"

STOP DETOUR EAST 153 M4-8 24"X12" M3-2 24"X12" M1-6 24"X24"

BEGIN PROJECT 6370-01-75
STA 70+75.03
Y=139658.761
X=255962.734

END PROJECT 6370-01-75
BEGIN PROJECT 6370-01-73
STA 136+32.77
Y=140909.047
X=262086.039

END PROJECT 6370-01-73
STA 149+92.24

PCMS MESSAGE OVERVIEW			
SIGN OWNER	PCMS SITE NO. (DIR.)	7 DAYS PRIOR TO CONSTRUCTION	
		FRAME 1 (2 SEC)	FRAME 2 (2 SEC)
CONTRACTOR	1 (EB)	ROAD CLOSED BEGINS	DAY_DATE
CONTRACTOR	2 (WB)	ROAD CLOSED BEGINS	DAY_DATE

PROJECT NO: 6370-01-75/73	HWY: STH 153	COUNTY: MARATHON	DETOUR PLAN	SHEET 100	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\027001_DT.DWG
LAYOUT NAME - 027001_dt

PLOT DATE : 11/5/2021 3:58 PM PLOT BY : CORY IHDE PLOT NAME : PLOT SCALE : 1 IN:700 FT

WISDOT/CADDS SHEET 42

					6370-01-73	6370-01-75	6370-01-76
Line	Item	Item Description	Unit	Total	Qty	Qty	Qty
0002	201.0105	Clearing	STA	5.000		5.000	
0004	201.0205	Grubbing	STA	5.000		5.000	
0006	204.0110	Removing Asphaltic Surface	SY	16,489.000		15,820.000	669.000
0008	204.0115	Removing Asphaltic Surface Butt Joints	SY	921.000	292.000	629.000	
0010	204.0120	Removing Asphaltic Surface Milling	SY	37,400.000	7,300.000	30,100.000	
0012	204.0150	Removing Curb & Gutter	LF	12,202.000	1,098.000	10,789.000	315.000
0014	204.0155	Removing Concrete Sidewalk	SY	1,284.000	435.000	748.000	101.000
0016	204.0210	Removing Manholes	EACH	2.000		2.000	
0018	204.0220	Removing Inlets	EACH	8.000	1.000	7.000	
0020	204.0245	Removing Storm Sewer (size) 01. 12-Inch	LF	58.000	13.000	45.000	
0022	204.0245	Removing Storm Sewer (size) 02. 15-Inch	LF	24.000		24.000	
0024	204.0245	Removing Storm Sewer (size) 03. 8-Inch PVC	LF	45.000		45.000	
0026	204.0280	Sealing Pipes	EACH	1.000		1.000	
0028	204.9060.S	Removing (item description) 01. Removing Traffic Signal Wire, Loop Detector Wire & Lead In Cable	EACH	1.000	1.000		
0030	205.0100	Excavation Common	CY	1,287.000		1,287.000	
0032	211.0100	Prepare Foundation for Asphaltic Paving (project) 01. 6370-01-73	LS	1.000	1.000		
0034	211.0100	Prepare Foundation for Asphaltic Paving (project) 02. 6370-01-75	LS	1.000		1.000	
0036	213.0100	Finishing Roadway (project) 01. 6370-01-73	EACH	1.000	1.000		
0038	213.0100	Finishing Roadway (project) 02. 6370-01-75	EACH	1.000		1.000	
0040	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	2,795.000	296.000	2,011.000	488.000
0042	390.0201	Base Patching Asphaltic	TON	21.000	21.000		
0044	390.0303	Base Patching Concrete	SY	21.000	21.000		
0046	390.0403	Base Patching Concrete Shes	SY	21.000	21.000		
0048	405.1000	Stamping Colored Concrete	CY	33.800	33.000	0.800	
0050	416.0160	Concrete Driveway 6-Inch	SY	856.000		856.000	
0052	416.0610	Drilled Tie Bars	EACH	392.000	386.000	6.000	
0054	416.0620	Drilled Dowel Bars	EACH	108.000	108.000		
0056	416.1720	Concrete Pavement Replacement	SY	143.000	143.000		
0058	416.1725	Concrete Pavement Replacement SHES	SY	55.000	55.000		
0060	450.4000	HMA Cold Weather Paving	TON	1,500.000		1,500.000	
0062	455.0605	Tack Coat	GAL	4,520.000	515.000	4,005.000	
0064	460.2000	Incentive Density HMA Pavement	DOL	5,370.000	470.000	4,900.000	
0066	460.6224	HMA Pavement 4 MT 58-28 S	TON	3,084.000		3,084.000	
0068	460.6424	HMA Pavement 4 MT 58-28 H	TON	5,297.000	730.000	4,567.000	
0070	465.0105	Asphaltic Surface	TON	310.000	34.000	276.000	
0072	465.0110	Asphaltic Surface Patching	TON	231.000	40.000	40.000	151.000
0074	465.0115	Asphaltic Surface Detours	TON	10.000		10.000	
0076	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	163.000		163.000	
0078	520.8000	Concrete Collars for Pipe	EACH	7.000	2.000	5.000	
0080	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	1,062.000	1,041.000	21.000	
0082	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	10,902.000	9.000	10,578.000	315.000
0084	601.0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF	172.000		172.000	
0086	601.0600	Concrete Curb Pedestrian	LF	239.000	33.000	206.000	
0088	602.0405	Concrete Sidewalk 4-Inch	SF	22,358.000	4,354.000	17,145.000	859.000
0090	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	620.000	140.000	480.000	
0092	602.0605	Curb Ramp Detectable Warning Field Radial Yellow	SF	174.000	19.000	155.000	
0094	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	13.000		13.000	
0096	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	11.000	11.000		

Line	Item	Item Description	Unit	Total	6370-01-73 Qty	6370-01-75 Qty	6370-01-76 Qty
0098	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	114.000		114.000	
0100	611.0420	Reconstructing Manholes	EACH	26.000	1.000	25.000	
0102	611.0430	Reconstructing Inlets	EACH	19.000	5.000	14.000	
0104	611.0530	Manhole Covers Type J	EACH	2.000		2.000	
0106	611.0624	Inlet Covers Type H	EACH	5.000	1.000	4.000	
0108	611.0627	Inlet Covers Type HM	EACH	2.000		2.000	
0110	611.0651	Inlet Covers Type S	EACH	3.000	3.000		
0112	611.2004	Manholes 4-FT Diameter	EACH	2.000		2.000	
0114	611.3004	Inlets 4-FT Diameter	EACH	1.000		1.000	
0116	611.3230	Inlets 2x3-FT	EACH	6.000	1.000	5.000	
0118	611.8110	Adjusting Manhole Covers	EACH	16.000		16.000	
0120	611.8115	Adjusting Inlet Covers	EACH	37.000	9.000	28.000	
0122	611.8120.S	Cover Plates Temporary	EACH	23.000		16.000	7.000
0124	612.0902.S	Insulation Board Polystyrene (inch) 01. 2-Inch	SY	120.000			120.000
0126	618.0100	Maintenance And Repair of Haul Roads (project) 01. 6370-01-73	EACH	1.000	1.000		
0128	618.0100	Maintenance And Repair of Haul Roads (project) 02. 6370-01-75	EACH	1.000		1.000	
0130	619.1000	Mobilization	EACH	1.000	0.180	0.770	0.050
0132	620.0300	Concrete Median Sloped Nose	SF	20.000	20.000		
0134	624.0100	Water	MGAL	40.200	6.200	34.000	
0136	625.0100	Topsoil	SY	5,898.000	64.000	5,540.000	294.000
0138	628.1504	Silt Fence	LF	2,450.000		2,450.000	
0140	628.1520	Silt Fence Maintenance	LF	2,450.000		2,450.000	
0142	628.1905	Mobilizations Erosion Control	EACH	5.000	2.000	3.000	
0144	628.1910	Mobilizations Emergency Erosion Control	EACH	3.000	2.000	1.000	
0146	628.2006	Erosion Mat Urban Class I Type A	SY	5,898.000	64.000	5,540.000	294.000
0148	628.7005	Inlet Protection Type A	EACH	52.000	5.000	47.000	
0150	628.7015	Inlet Protection Type C	EACH	95.000	17.000	78.000	
0152	630.0140	Seeding Mixture No. 40	LB	119.000	13.000	100.000	6.000
0154	630.0500	Seed Water	MGAL	121.400	1.400	113.000	7.000
0156	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	104.000	7.000	97.000	
0158	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	5.000		5.000	
0160	634.0814	Posts Tubular Steel 2x2-Inch X 14-FT	EACH	10.000	8.000	2.000	
0162	637.2210	Signs Type II Reflective H	SF	468.360	120.720	347.640	
0164	637.2215	Signs Type II Reflective H Folding	SF	25.900	25.900		
0166	637.2230	Signs Type II Reflective F	SF	182.500	16.500	166.000	
0168	638.2102	Moving Signs Type II	EACH	1.000		1.000	
0170	638.2602	Removing Signs Type II	EACH	97.000	24.000	73.000	
0172	638.3000	Removing Small Sign Supports	EACH	64.000	12.000	52.000	
0174	642.5201	Field Office Type C	EACH	1.000	0.250	0.750	
0176	643.0300	Traffic Control Drums	DAY	25,275.000	4,275.000	21,000.000	
0178	643.0410	Traffic Control Barricades Type II	DAY	1,000.000	450.000	550.000	
0180	643.0420	Traffic Control Barricades Type III	DAY	6,350.000	700.000	5,650.000	
0182	643.0705	Traffic Control Warning Lights Type A	DAY	11,250.000		11,250.000	
0184	643.0715	Traffic Control Warning Lights Type C	DAY	375.000	275.000	100.000	
0186	643.0900	Traffic Control Signs	DAY	19,160.000	3,850.000	15,310.000	
0188	643.0920	Traffic Control Covering Signs Type II	EACH	25.000	15.000	10.000	
0190	643.1050	Traffic Control Signs PCMS	DAY	14.000		14.000	
0192	643.1070	Traffic Control Cones 42-Inch	DAY	305.000	125.000	180.000	
0194	643.5000	Traffic Control	EACH	1.000	0.250	0.750	

					6370-01-73	6370-01-75	6370-01-76
Line	Item	Item Description	Unit	Total	Qty	Qty	Qty
0196	644.1420	Temporary Pedestrian Surface Plywood	SF	1,175.000	175.000	1,000.000	
0198	644.1601	Temporary Pedestrian Curb Ramp	DAY	300.000		300.000	
0200	644.1810	Temporary Pedestrian Barricade	LF	1,650.000		1,650.000	
0202	646.1005	Marking Line Paint 4-Inch	LF	7,045.000		7,045.000	
0204	646.1020	Marking Line Epoxy 4-Inch	LF	25,665.000	822.000	24,843.000	
0206	646.3020	Marking Line Epoxy 8-Inch	LF	396.000	396.000		
0208	646.4520	Marking Line Same Day Epoxy 4-Inch	LF	2,102.000	2,000.000	102.000	
0210	646.5020	Marking Arrow Epoxy	EACH	9.000	9.000		
0212	646.5120	Marking Word Epoxy	EACH	3.000	3.000		
0214	646.6105	Marking Stop Line Paint 18-Inch	LF	45.000		45.000	
0216	646.6120	Marking Stop Line Epoxy 18-Inch	LF	557.000	171.000	386.000	
0218	646.7120	Marking Diagonal Epoxy 12-Inch	LF	40.000	40.000		
0220	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	3,251.000	950.000	2,301.000	
0222	646.7520	Marking Crosswalk Epoxy Block Style 24-Inch	LF	522.000	342.000	180.000	
0224	646.8120	Marking Curb Epoxy	LF	40.000	40.000		
0226	646.8220	Marking Island Nose Epoxy	EACH	3.000	3.000		
0228	646.8320	Marking Parking Stall Epoxy	LF	521.000	521.000		
0230	646.9000	Marking Removal Line 4-Inch	LF	4,600.000	4,000.000	600.000	
0232	646.9200	Marking Removal Line Wide	LF	40.000	40.000		
0234	646.9300	Marking Removal Special Marking	EACH	7.000	7.000		
0236	648.0100	Locating No-Passing Zones	MI	1.500		1.500	
0238	649.0105	Temporary Marking Line Paint 4-Inch	LF	6,925.000	6,225.000	700.000	
0240	649.0150	Temporary Marking Line Removable Tape 4-Inch	LF	7,560.000	3,260.000	4,300.000	
0242	649.0805	Temporary Marking Stop Line Paint 18-Inch	LF	100.000	100.000		
0244	650.4000	Construction Staking Storm Sewer	EACH	9.000	1.000	8.000	
0246	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	10,410.000		10,410.000	
0248	650.8000	Construction Staking Resurfacing Reference	LF	7,910.000	1,352.000	6,558.000	
0250	650.8500	Construction Staking Electrical Installations (project) 01. 6370-01-73	LS	1.000	1.000		
0252	650.9000	Construction Staking Curb Ramps	EACH	72.000	15.000	57.000	
0254	650.9910	Construction Staking Supplemental Control (project) 01. 6370-01-73	LS	1.000	1.000		
0256	650.9910	Construction Staking Supplemental Control (project) 02. 6370-07-75	LS	1.000		1.000	
0258	650.9920	Construction Staking Slope Stakes	LF	2,928.000		2,928.000	
0260	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	106.000	106.000		
0262	652.0700.S	Install Conduit into Existing Item	EACH	2.000	2.000		
0264	652.0800	Conduit Loop Detector	LF	602.000	602.000		
0266	653.0120	Pull Boxes Steel 18x24-Inch	EACH	2.000	2.000		
0268	653.0900	Adjusting Pull Boxes	EACH	1.000		1.000	
0270	654.0101	Concrete Bases Type 1	EACH	3.000	3.000		
0272	654.0110	Concrete Bases Type 10	EACH	1.000	1.000		
0274	655.0230	Cable Traffic Signal 5-14 AWG	LF	290.000	290.000		
0276	655.0240	Cable Traffic Signal 7-14 AWG	LF	524.000	524.000		
0278	655.0260	Cable Traffic Signal 12-14 AWG	LF	1,108.000	1,108.000		
0280	655.0270	Cable Traffic Signal 15-14 AWG	LF	166.000	166.000		
0282	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	1,206.000	1,206.000		
0284	655.0700	Loop Detector Lead In Cable	LF	1,542.000	1,542.000		
0286	655.0800	Loop Detector Wire	LF	5,417.000	5,417.000		
0288	657.0100	Pedestal Bases	EACH	5.000	5.000		
0290	657.0345	Poles Type 9	EACH	1.000	1.000		
0292	657.0425	Traffic Signal Standards Aluminum 15-FT	EACH	3.000	3.000		

Line	Item	Item Description	Unit	Total	6370-01-73 Qty	6370-01-75 Qty	6370-01-76 Qty
0294	657.0430	Traffic Signal Standards Aluminum 10-FT	EACH	2.000	2.000		
0296	657.0530	Monotube Arms 30-FT	EACH	1.000	1.000		
0298	658.0173	Traffic Signal Face 3S 12-Inch	EACH	2.000	2.000		
0300	658.0174	Traffic Signal Face 4S 12-Inch	EACH	6.000	6.000		
0302	658.0416	Pedestrian Signal Face 16-Inch	EACH	3.000	3.000		
0304	658.5069	Signal Mounting Hardware (location) 01. STH 153 & CTH B/4TH ST	LS	1.000	1.000		
0306	690.0150	Sawing Asphalt	LF	7,127.000	139.000	6,988.000	
0308	690.0250	Sawing Concrete	LF	2,398.000	1,874.000	524.000	
0310	740.0440	Incentive IRI Ride	DOL	5,324.000	350.000	4,974.000	
0312	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	1,200.000	300.000	900.000	
0314	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	600.000	150.000	450.000	
0316	SPV.0030	Special 01. Fertilizer for Lawn Type Turf	CWT	3.160	0.050	2.800	0.310
0318	SPV.0060	Special 01. Grading and Shaping Curb Ramps	EACH	63.000	13.000	50.000	
0320	SPV.0060	Special 02. Adjusting Water Valve Boxes	EACH	5.000			5.000
0322	SPV.0060	Special 03. Research and Locate Existing Land Parcel Monuments	EACH	102.000	22.000	80.000	
0324	SPV.0060	Special 04. Verify and Replace Existing Land Parcel Monuments	EACH	15.000	5.000	10.000	
0326	SPV.0060	Special 05. Salvage and Reinstall Address Marker	EACH	1.000	1.000		
0328	SPV.0060	Special 06. Salvage and Reinstall Boulders	EACH	6.000	6.000		
0330	SPV.0060	Special 07. Core Drilling 18-Inch Diameter for Sign Post	EACH	8.000	7.000	1.000	
0332	SPV.0060	Special 08. Adjusting Sanitary Manhole Covers	EACH	7.000			7.000
0334	SPV.0060	Special 09. Salvage Traffic Signals STH 153 & CTH B/4th St	EACH	1.000	1.000		
0336	SPV.0090	Special 01. Water Service 3/4-Inch	LF	1,440.000			1,440.000
0338	SPV.0090	Special 02. Concrete Curb and Gutter 30-Inch Type A Curb Ramp Special	LF	70.000	70.000		
0340	SPV.0090	Special 03. Salvage and Reinstall Decorative Fence	LF	17.000	17.000		
0342	SPV.0090	Special 04. Salvage and Reinstall Landscaping Blocks	LF	20.000	20.000		
0344	SPV.0090	Special 05. Grading and Shaping for Curb & Gutter Replacement	LF	8,784.000	1,120.000	7,664.000	
0346	SPV.0165	Special 01. Salvage Brick Pavers	SF	719.000	719.000		
0348	SPV.0165	Special 02. Salvage and Reinstall Brick Pavers	SF	50.000	50.000		
0350	SPV.0180	Special 01. Preparing Topsoil for Lawn Type Turf	SY	4,483.000	51.000	4,432.000	
0352	SPV.0180	Special 02. Shredded Hardwood Bark Mulch	SY	37.000	37.000		

3

204 REMOVALS - ASPHALT MILLING

CATEGORY	STATION	TO	STATION	LOCATION	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	REMARKS
STAGE 4						
0010	136+40	-	149+92	STH 153 LT	3,600	1-3/4" DEPTH
				STAGE 4 SUBTOTAL	3,600	
STAGE 5						
0010	136+40	-	149+92	STH 153 RT	3,700	1-3/4" DEPTH
				STAGE 5 SUBTOTAL	3,700	
				TOTAL 0010	7,300	

204 REMOVALS - BUTT JOINTS

CATEGORY	LOCATION	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY
STAGE 4		
0010	MAIN ST (NORTH)	40
0010	4TH ST	37
0010	3RD ST (NE)	40
0010	2ND ST (NE)	37
0010	STA 149+92	27
	STAGE 4 SUBTOTAL	181
STAGE 5		
0010	3RD ST (SW)	51
0010	2ND ST (SW)	37
0010	STA 149+92	23
	STAGE 5 SUBTOTAL	111
	TOTAL 0010	292

211 PREPARE FOUNDATION

CATEGORY	LOCATION	211.0100.01 PREPARE FOUNDATION FOR ASPHALTIC PAVING (PROJECT) (01. 6370-01-73) LS
0010	STH 153	1
	TOTAL 0010	1

3

416 CONCRETE PAVEMENT

CATEGORY	LOCATION	390.0201 BASE PATCHING ASPHALTIC TON	390.0303 BASE PATCHING CONCRETE SY	390.0403 BASE PATCHING CONCRETE SHES SY	* 416.0610 DRILLED TIE BARS EACH	416.0620 DRILLED DOWEL BARS EACH	416.1720 CONCRETE PAVEMENT REPLACEMENT SY	416.1725 CONCRETE PAVEMENT REPLACEMENT SHES SY	690.0150 SAWING ASPHALT LF	* 690.0250 SAWING CONCRETE LF	REMARKS
STAGE 2A											
0010	LOOP 81/82	—	21	—	3	16	—	—	—	51	
0010	LOOP 83/OL-1/OL-2	—	—	—	21	42	143	—	—	130	
0010	LOOP 21/22	—	—	21	3	32	—	—	—	50	
0010	LOOP 51	—	—	—	19	18	—	55	—	88	
0010	LOOP 72	15	—	—	—	—	—	—	97	18	MATCH EXISTING ASPHALT THICKNESS
	STAGE 2A SUBTOTAL	15	21	21	46	108	143	55	97	337	
STAGE 3											
0010	LOOP 61	6	—	—	—	—	—	—	42	—	MATCH EXISTING ASPHALT THICKNESS
	STAGE 3 SUBTOTAL	6	0	0	0	0	0	0	42	0	
	TOTAL 0010	21	21	21	46	108	143	55	139	337	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

213 FINISHING ROADWAY

CATEGORY	LOCATION	213.0100.01 FINISHING ROADWAY (PROJECT) (01. 6370-01-73) EACH
0010		1
	TOTAL 0010	1

460 HMA PAVEMENT

CATEGORY	STATION	TO	STATION	LOCATION	455.0605 TACK COAT GAL	460.6424 HMA PAVEMENT 4 MT 58-28 H TON	465.0110 ASPHALTIC SURFACE PATCHING TON	REMARKS
STAGE 4								
0010	136+40	-	149+92	STH 153	255	360	20	TEMPORARY RAMPING & REPAIRS
				STAGE 4 SUBTOTAL	255	360	20	
STAGE 5								
0010	136+40	-	149+92	STH 153	260	370	20	TEMPORARY RAMPING & REPAIRS
				STAGE 5 SUBTOTAL	260	370	20	
				TOTAL 0010	515	730	40	

601 CONCRETE CURB & GUTTER

CATEGORY	STATION	TO	STATION	LOCATION	204.0150 REMOVING CURB & GUTTER LF	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	* 416.0610 DRILLED TIE BARS EACH	465.0105 ASPHALTIC SURFACE TON	601.0409 CONCRETE CURB & GUTTER 30-INCH TYPE A LF	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	601.0600 CONCRETE CURB PEDESTRIAN LF	* 624.0100 WATER MGAL	* 690.0250 SAWING CONCRETE LF	SPV.0090.02 SPECIAL (02. CONCRETE CURB AND GUTTER 30-INCH TYPE A CURB RAMP SPECIAL) LF	SPV.0090.05 SPECIAL (05. GRADING AND SHAPING FOR CURB & GUTTER REPLACEMENT) LF
STAGE 2A															
0010	139+20	-	139+29	RT	9	2	3	1	9	—	—	0.1	20	—	9
0010	140+23	-	142+07	RT	97	16	30	3	92	—	—	0.3	97	5	97
0010	140+38	-	140+71	RT	90	16	31	3	93	—	—	0.3	53	15	108
0010	142+33	-	142+42	LT	9	2	3	1	9	—	—	0.1	39	—	9
				STAGE 2A SUBTOTAL	205	36	67	8	203	0	0	.8	209	20	223
STAGE 2B															
0010	140+75	-	141+00	LT	31	5	8	1	26	—	—	0.1	56	5	31
0010	141+05	-	141+27	LT	32	5	9	1	27	—	—	0.1	76	5	32
0010	143+71	-	143+94	LT	29	4	8	1	24	—	16	0.1	56	5	29
0010	144+29	-	145+87	LT	161	26	52	4	156	—	—	0.4	188	5	161
0010	146+98	-	147+22	LT	31	5	8	1	26	—	—	0.1	60	5	31
0010	147+58	-	147+81	LT	29	5	9	1	29	—	—	0.1	57	—	29
0010	147+96	-	149+93	LT	195	33	65	5	195	—	—	0.5	200	—	195
				STAGE 2B SUBTOTAL	508	83	159	14	483	—	16	1.4	693	25	508
STAGE 3															
0010	LOOP 61			RT	9	2	—	1	—	9	—	0.1	20	—	9
0010	140+36	-	140+68	LT	59	10	19	2	58	—	—	0.2	94	5	63
0010	142+33	-	142+67	RT	34	6	11	1	34	—	—	0.1	39	—	34
0010	143+75	-	143+90	RT	36	6	10	1	31	—	17	0.1	68	5	36
0010	144+36	-	144+49	RT	34	5	9	1	29	—	—	0.1	68	5	34
0010	145+63	-	145+92	RT	29	5	9	1	29	—	—	0.1	34	—	29
0010	146+91	-	147+22	RT	40	6	11	1	35	—	—	0.1	124	5	40
0010	147+58	-	148+42	RT	94	15	29	3	89	—	—	0.3	133	5	94
0010	148+87	-	149+36	RT	50	9	16	1	50	—	—	0.2	55	—	50
				STAGE 3 SUBTOTAL	385	64	114	12	355	9	17	1.3	635	25	389
				TOTAL 0010	1,098	183	340	34	1,041	9	33	3.5	1,537	70	1,120

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

602 SIDEWALKS & DRIVEWAYS

CATEGORY	STATION	TO	STATION	LOCATION	204.0155 REMOVING CONCRETE SIDEWALK SY	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	405.1000 STAMPING COLORED CONCRETE CY	602.0405 CONCRETE SIDEWALK 4-INCH SF	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW SF	602.0605 CURB RAMP DETECTABLE WARNING FIELD RADIAL YELLOW SF	* 624.0100 WATER MGAL	650.9000 CONSTRUCTION STAKING CURB RAMPS EACH	SPV.0060.01 SPECIAL (01. GRADING AND SHAPING CURB RAMPS) EACH	SPV.0165.01 SPECIAL (01. SALVAGE BRICK PAVERS) SF	SPV.0165.02 SPECIAL (02. SALVAGE AND REINSTALL BRICK PAVERS) SF
STAGE 2A															
0010	139+20	-	139+29	RT	10	1	0.3	25	—	—	0.1	—	—	—	—
0010	140+22	-	142+07	RT	58	17	23.8	650	10	—	0.3	1	1	15	50
0010	140+40	-	141+26	RT	34	9	0.4	345	30	—	0.2	3	1	42	—
0010	142+33	-	142+42	LT	3	1	—	24	—	—	0.1	—	—	—	—
				STAGE 2A SUBTOTAL	105	28	24.5	1,044	40	0	0.7	4	2	57	50
STAGE 2B															
0010	140+75	-	141+00	LT	19	6	0.8	240	10	—	0.1	1	1	71	—
0010	141+05	-	141+28	LT	20	7	0.4	255	10	—	0.2	1	1	56	—
0010	143+66	-	143+89	LT	33	8	0.6	315	10	—	0.2	1	1	70	—
0010	144+33	-	144+53	LT	29	7	0.7	275	10	—	0.2	1	1	44	—
0010	149+98	-	147+22	LT	26	7	0.5	250	10	—	0.2	1	1	61	—
0010	147+60	-	147+81	LT	36	9	0.8	350	—	19	0.2	1	1	62	—
				STAGE 2B SUBTOTAL	163	44	4	1,685	50	19	1.1	6	6	364	—
STAGE 3															
0010	140+35	-	140+67	LT	55	14	1.4	550	10	—	0.3	1	1	55	—
0010	143+75	-	143+93	RT	21	5	0.7	200	10	—	0.1	1	1	56	—
0010	144+35	-	144+49	RT	21	5	0.7	200	10	—	0.1	1	1	47	—
0010	146+91	-	147+21	RT	41	10	1.2	395	10	—	0.2	1	1	61	—
0010	147+59	-	147+86	RT	29	7	0.7	280	10	—	0.2	1	1	79	—
				STAGE 3 SUBTOTAL	167	41	5	1,625	50	0	0.9	5	5	298	—
				TOTAL 0010	435	113	33	4,354	140	19	2.7	15	13	719	50

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

608 STORM SEWER

CATEGORY	STATION	RT/LT	LOCATION	204.0220 REMOVING INLETS EACH	204.0245.01 REMOVING STORM SEWER (SIZE) (01. 12-INCH) LF	520.8000 CONCRETE COLLARS FOR PIPE EACH	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	611.0624 INLET COVERS TYPE H EACH	611.0651 INLET COVERS TYPE S EACH	611.3230 INLETS 2X3-FT EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH
STAGE 2A											
0010	140+30	40.5' RT	STH 153	—	—	—	—	—	1	—	—
0010	141+41	46.4' RT	STH 153	—	—	—	—	—	1	—	—
			STAGE 2A SUBTOTAL	0	0	0	0	0	2	0	0
STAGE 2B											
0010	136+42	21.4' LT	STH 153	—	—	—	—	—	1	—	—
			STAGE 2B SUBTOTAL	0	0	0	0	0	1	0	0
STAGE 3											
0010	140+71	41.5' LT	STH 153	1	13	2	11	1	—	1	1
			STAGE 2C SUBTOTAL	1	13	2	11	1	0	1	1
			TOTAL 0010	1	13	2	11	1	3	1	1

611 ADJUSTING STORM SEWER

CATEGORY	LOCATION	611.0420 RECONSTRUCTING MANHOLES EACH	611.0430 RECONSTRUCTING INLETS EACH	611.8115 ADJUSTING INLET COVERS EACH
0010	PROJECT	1	5	9
	TOTAL 0010	1	5	9

634 - 638 PERMANENT SIGNING ITEMS

SIGN NUMBER	SIGN CODE	SIGN MESSAGE	SIZE			637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	634.0614 POSTS WOOD 4X6-INCH X 14-FT EACH	634.0814 POSTS TUBULAR STEEL 2X2-INCH X 14-FT	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	SPV.0060.07 CORE DRILLING FOR 18-INCH DIAMETER FOR SIGN POST EACH	REMARKS
5-20	W11-2	PEDESTRIAN CROSSING	30	X	30	---	6.25	---	1	---	---	---	---	
---	W16-7L	LT DIAGONAL DOWNWARD POINTING ARROW	24	X	12	---	2.00	---	---	---	---	---	---	
5-21	W11-2	PEDESTRIAN CROSSING	30	X	30	---	6.25	---	1	---	---	---	---	
---	W16-7L	LT DIAGONAL DOWNWARD POINTING ARROW	24	X	12	---	2.00	---	---	---	---	---	---	
5-22	R7-51L	NO PARKING HERE TO CORNER (LT ARROW)	18	X	24	3.00	---	---	---	---	1	---	---	BAND SIGN TO STREET LIGHT
5-23	R7-1L	NO PARKING ANYTIME (LT ARROW)	18	X	24	3.00	---	---	---	1	---	---	1	
5-24	R3-8ER	LANE CONTROL (LT/AHEAD & RT ONLY ARROWS)	36	X	30	---	---	---	---	---	---	---	---	TO BE INSTALLED BY OTHERS
5-26	J2-2	ADVANCED ROUTE ASSEMBLY	48	X	57	---	---	---	---	---	---	---	---	TO BE INSTALLED BY OTHERS
5-27	R2-1	SPEED LIMIT (25 MPH)	24	X	30	5.00	---	---	---	1	1	1	1	
5-28	R7-1R	NO PARKING ANYTIME (RT ARROW)	18	X	24	3.00	---	---	---	1	1	1	1	
5-29	R1-1F	STOP	30	X	30	---	---	5.18	---	---	1	---	---	
5-30	---	YIELD	---	---	---	---	---	---	---	---	1	1	---	
5-31	J3-2	ROUTE TURN ASSEMBLY	48	X	57	19.00	---	---	---	---	1	---	---	BAND SIGN TO STREET LIGHT
5-32	R1-1F	STOP	30	X	30	---	---	5.18	---	---	1	---	---	
5-33	J3-2	ROUTE TURN ASSEMBLY	48	X	57	19.00	---	---	---	---	1	---	---	BAND SIGN TO TRAFFIC SIGNAL POLE
5-34	R1-1F	STOP	30	X	30	---	---	5.18	---	---	1	---	---	
5-35	R1-1F	STOP	30	X	30	---	---	5.18	---	---	1	---	---	
5-36	R1-1F	STOP	30	X	30	---	---	5.18	---	---	1	---	---	
6-01	R7-1R	NO PARKING ANYTIME (RT ARROW)	18	X	24	3.00	---	---	---	1	1	1	1	
6-02	R3-50L	LANE CONTROL (LT ONLY)	30	X	36	7.50	---	---	---	---	1	---	---	BAND SIGN TO OVERHEAD MAST ARM
6-03	R3-60R	LANE CONTROL (RT/AHEAD ARROWS)	30	X	36	7.50	---	---	---	---	1	---	---	BAND SIGN TO OVERHEAD MAST ARM
6-04	J2-1	ADVANCED ROUTE ASSEMBLY	24	X	57	9.50	---	---	---	---	1	---	---	BAND SIGN TO OVERHEAD MAST ARM (POST)
6-05	R2-1	SPEED LIMIT (25 MPH)	24	X	30	5.00	---	---	---	1	1	1	1	
6-06	R7-1R	NO PARKING ANYTIME (RT ARROW)	18	X	24	3.00	---	---	---	1	1	1	1	
6-07	J1-1	JUNCTION ASSEMBLY	24	X	39	6.50	---	---	---	1	1	---	---	BAND SIGN TO STREET LIGHT
6-08	R1-1	STOP	30	X	30	5.18	---	---	1	---	1	1	---	
6-09	R1-1	STOP	30	X	30	5.18	---	---	---	1	1	1	1	
6-10	R1-1	STOP	30	X	30	5.18	---	---	1	---	1	1	---	
6-11	R7-1L	NO PARKING ANYTIME (LT ARROW)	18	X	24	3.00	---	---	1	---	1	1	---	
6-12	R1-1	STOP	30	X	30	5.18	---	---	1	---	1	1	---	
6-13	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18	X	24	3.00	---	---	1	---	1	1	---	
		TOTAL 0010				120.72	16.50	25.90	7	8	24	12	7	

643-649 TRAFFIC CONTROL

CAT	STA	TO	STA	LOCATION	DURATION DAYS	643.0300 TRAFFIC CONTROL DRUMS EACH*	643.0300 DAY	643.0410 TRAFFIC CONTROL BARRICADES TYPE II EACH**	643.0410 DAY	643.0420 TRAFFIC CONTROL BARRICADES TYPE III EACH**	643.0420 DAY	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C EACH**	643.0715 DAY	643.0900 TRAFFIC CONTROL SIGNS EACH**	643.0900 DAY	643.1070 TRAFFIC CONTROL CONES 42-INCH EACH**	643.1070 DAY	643.5000 TRAFFIC CONTROL EACH	644.1420 TEMPORARY PEDESTRIAN SURFACE PLYWOOD SF	646.9000 MARKING REMOVAL LINE 4-INCH LF	646.9200 MARKING REMOVAL LINE WIDE LF	646.9300 MARKING REMOVAL SPECIAL MARKING EACH	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH (WHITE) LF	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW) LF	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) LF	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW) LF	649.0805 TEMPORARY MARKING STOP LINE PAINT 18-INCH LF
PROJECT																											
0010	136+32.77	-	149+92.24	STH 153	—	—	—	—	—		—	—	—	—	—	—	—	0.25	—	—	—	—	—	—	—	—	—
STAGE 2A																											
0010	141+00	-	151+48	STH 153	15	46	690	7	105	11	165	6	90	34	510	7	105	—	40	1,323	11	—	510	255	265	610	10
				SUB TOTAL			690		105		165		90		510		105	0	40	1,323	11	—	510	255	265	610	10
STAGE 2B																											
0010	141+00	-	151+48	STH 153	20	80	1600	15	300	10	200	4	80	81	1620	—	—	—	60	1,796	—	2	735	412	190	1,466	5
				SUB TOTAL			1,600		300		200		80		1,620		—	0	60	1,796	—	2	735	412	190	1,466	5
STAGE 3																											
0010	141+00	-	151+48	STH 153	25	57	1425	26	—	10	250	3	75	48	1200	—	—	—	50	470	—	5	735	1,250	50	350	12
				SUB TOTAL			1,425		—		250		75		1,200			0	50	470	—	5	735	1,250	50	350	12
STAGE 4																											
0010	136+32.77	-	151+48	STH 153	5	15	75	—	—	0	0	—	—	17	85	—	—	—	—	—	—	—	200	1,550	—	—	42
				SUB TOTAL			75		—		—		—		85		0	0	—	—	—	—	200	1,550	—	—	42
STAGE 5																											
0010	136+32.77	-	151+48	STH 153	5	15	75	—	—	0	0	—	—	17	85	—	—	—	—	—	—	—	—	—	—	—	—
				SUB TOTAL			75		—		—		—		85		0	0	—	—	—	—	—	—	—	—	—
				UNDISTRIBUTED		—	410	45		85		30		350		20		—	25	411	29	0	225	353	75	254	31
				TOTAL 0010			4,275	450		700		275		3,850		125		0.25	175	4,000	40	7	6,225		3,260		100

**FOR INFORMATION ONLY

646 PAVEMENT MARKING

CATEGORY	STATION	TO	STATION	LOCATION	646.1020 MARKING LINE EPOXY 4-INCH LF	646.3020 MARKING LINE EPOXY 8-INCH LF	646.4520 MARKING LINE SAME DAY EPOXY 4-INCH LF	646.5020 MARKING ARROW EPOXY EACH	646.5120 MARKING WORD EPOXY EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	646.7520 MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH LF	646.8120 MARKING CURB EPOXY LF	646.8320 MARKING PARKING STALL EPOXY LF
0010	136+40	-	140+88	STH 153	822	196	—	4	1	—	—	88	60	—	196
0010	140+88	-	150+10	STH 153	—	200	2,000	5	2	—	40	—	—	—	325
0010				MAIN ST/4TH ST	—	—	—	—	—	98	—	394	282	40	—
0010				3RD ST	—	—	—	—	—	37	—	203	—	—	—
0010				2ND ST	—	—	—	—	—	36	—	265	—	—	—
				TOTAL 0010	822	396	2,000	9	3	171	40	950	342	40	521

3

642 FIELD OFFICE

CATEGORY	LOCATION	642.5201 FIELD OFFICE TYPE C EACH
0010	PROJECT	0.25
	TOTAL 0010	0.25

SPV.0060 ADDRESS MARKER

CATEGORY	STATION	LOCATION	SPV.0060.05 SPECIAL (05. SALVAGE AND REINSTALL ADDRESS MARKER) EACH
0010	140+49	STH 153 LT	1
		TOTAL 0010	1

SPV.0060 BOULDERS

CATEGORY	STATION	TO	STATION	LOCATION	SPV.0060.06 SPECIAL (06. SALVAGE AND REINSTALL BOULDERS) EACH
0010	144+33	-	144+53	STH 153 LT	2
0010	147+60	-	147+81	STH 153 LT	4
				TOTAL 0010	6

3

650 CONSTRUCTION STAKING

CATEGORY	STATION	TO	STATION	LOCATION	650.8000 CONSTRUCTION STAKING RESURFACING REFERENCE LF	650.8500.01 CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS (PROJECT) (01. 6370-01-73) LS	650.9910.01 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) (01. 6370-01-73) LS
0010	136+40	-	149+92	STH 153	1,352	1	1
				TOTAL 0010	1,352	1	1

SPV.0060 LAND PARCEL MONUMENTS

CATEGORY	LOCATION	SPV.0060.03 SPECIAL (03. RESEARCH AND LOCATE EXISTING LAND PARCEL MONUMENTS) EACH	SPV.0060.04 SPECIAL (04. VERIFY AND REPLACE EXISTING LAND PARCEL MONUMENTS) EACH
0010	STH 153	22	5
	TOTAL 0010	22	5

SPV.0090 DECORATIVE FENCE

CATEGORY	STATION	TO	STATION	LOCATION	SPV.0090.03 SPECIAL (03. SALVAGE AND REINSTALL DECORATIVE FENCE) LF
0010	141+64	-	141+79	STH 153 RT	17
				TOTAL 0010	17

SPV.0090 LANDSCAPING BLOCKS

CATEGORY	STATION	TO	STATION	LOCATION	SPV.0090.04 SPECIAL (04. SALVAGE AND REINSTALL LANDSCAPING BLOCKS) LF
0010	147+70	-	147+86	STH 153 RT	20
				TOTAL 0010	20

3

SALVAGE TRAFFIC SIGNALS

LOCATION	SPV.0060.09 SALVAGE TRAFFIC SIGNALS STH 153 & CTH B/4TH ST EACH
STH 153 & CTH B/4TH STREET	1
TOTAL	1

REMOVING TRAFFIC SIGNAL WIRE, LOOP DETECTOR WIRE & LEAD-IN CABLE

LOCATION	204.9060.S.01 REMOVING TRAFFIC SIGNAL WIRE, LOOP DETECTOR WIRE & LEAD-IN CABLE EACH
STH 153 & CTH B/4TH STREET	1
TOTAL	1

CONDUIT

FROM	TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH L.F.
PB1	PB2	26
PB2	SB1	8
PB1	PB3	39
PB3	SB2	17
PB3	SB3	5
PB5	SB4	11
TOTAL		106

INSTALL CONDUIT INTO EXISTING ITEM

STRUCTURE NO.	652.0700.S INSTALL CONDUIT INTO EXISTING ITEM EACH
PB1	1
PB5	1
TOTAL	2

PULL BOXES

PULL BOX NO.	STATION	LOCATION	653.0120 PULL BOXES STEEL 18x24-INCH EACH
PB2	141+81	28.4' RT	1
PB3	140+24	28.6' RT	1
		TOTAL	2

CONCRETE BASES

SIGNAL BASE NO.	STATION	LOCATION	654.0101 CONCRETE BASES TYPE 1 EACH	654.0110 CONCRETE BASES TYPE 10 EACH
SB1	141+88	26.5' RT	--	1
SB2	140+38	51.5' RT	1	--
SB3	140+28	42.5' RT	1	--
SB4	140+54	14.5' RT	1	--
		TOTAL	3	1

SIGNAL MOUNTING HARDWARE

LOCATION	658.5069.01 SIGNAL MOUNTING HARDWARE (01. STH 153 & CTH B/4TH ST) L.S.
STH 153 & CTH B/4TH ST	1
TOTAL	1

TRAFFIC SIGNAL BASES, STANDARDS, POLES AND ARMS

SIGNAL BASE NO.	657.0100 PEDESTAL BASES EACH	657.0345 POLES TYPE 9 EACH	657.0425 TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT EACH	657.0430 TRAFFIC SIGNAL STANDARDS ALUMINUM 10-FT EACH	657.0530 MONOTUBE ARMS 30-FT EACH
SB1	--	1	--	--	1
SB2	1	--	--	1	--
SB3	1	--	1	--	--
SB4	1	--	--	1	--
SB5	1	--	1	--	--
SB9	1	--	1	--	--
TOTAL	5	1	3	2	1

FACES

SIGNAL HEAD NO.	SIGNAL BASE NO.	658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	658.0174 TRAFFIC SIGNAL FACE 4S 12-INCH EACH	658.0416 PEDESTRIAN SIGNAL FACE 16-INCH EACH
OL-2	SB1	--	1	--
6-4	SB2	--	--	1
OL-1	SB3	--	1	--
6-3	SB4	--	--	1
7C	SB5	--	1	--
8A	SB5	1	--	--
7B	SB6	--	1	--
7A	SB9	1	--	--
8C	SB9	--	1	--
7-1	SB9	--	--	1
8B	SB10	--	1	--
	TOTAL	2	6	3

3

TRAFFIC DETECTOR LOOPS

LOOP NO.	*STATION	*LOCATION	SIZE (FT)x(FT)	NO. OF TURNS	652.0800 CONDUIT LOOP DETECTOR L.F.	655.0700 LOOP DETECTOR LEAD IN CABLE L.F.	655.0800 LOOP DETECTOR WIRE L.F.
21	142+35	6.0' LT	6X6	4	56	263	1052
22	142+35	16.0' LT	6X6	4	36	263	1052
61	140+88	107.0' LT	6X6	4	54	265	1060
72	395+36	7.5' LT	6X30	3	108	212	636
81	139+26	6.8' RT	6X6	3	54	164	492
82	139+26	16.8' RT	6X6	3	34	164	492
83	140+56	5.0' RT	6X30	3	96	79	237
OL-1	140+26	20.5' RT	6X20	3	84	66	198
OL-2	140+48	37.8' RT	6X20	3	80	66	198
					602	1,542	5,417

* LOCATION IS TO FRONT CENTER OF DETECTOR LOOP

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG L.F.
CB	SB1	66
CB	PB1	22
SB1	PB2	18
SB1	SB2	84
SB2	SB3	32
SB3	PB3	15
SB3	SB4	132
SB4	SB5	39
SB12	PB5	19
SB5	SB6	94
SB6	PB6	21
SB6	SB7	58
SB7	SB8	124
SB8	PB8	20
SB8	SB9	52
SB9	PB9	22
SB9	SB10	99
SB10	PB11	23
SB10	SB11	52
SB11	PB12	19
SB11	SB12	97
SB12	CB	98
	TOTAL	1206

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG L.F.	655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG L.F.	655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG L.F.	655.0270 CABLE TRAFFIC SIGNAL 15-14 AWG L.F.
CB	SB1		66	--	--
SB1	HEAD OL-2	--	22	--	--
CB	SB2	---	88	--	--
SB2	HEAD 6-4	15	--	--	--
CB	SB3	--	76	--	--
SB3	HEAD OL-1	--	22	--	--
CB	SB4	--	95	--	--
SB4	HEAD 6-3	15	--	--	--
CB	SB5	--	--	102	--
SB5	HEAD 7C	--	22	--	--
SB5	HEAD 8A	19	--	--	--
CB	SB6	--	--	145	--
SB6	HEAD 7B	--	22	--	--
SB6	HEAD 7-2	15	--	--	--
CB	SB7	--	--	--	166
SB7	HEAD 6A	19	--	--	--
SB7	HEAD 5B	--	45	--	--
SB7	HEAD 6-1	15	--	--	--
CB	SB8	--	--	211	--
SB8	HEAD 5A	--	22	--	--
SB8	HEAD 2-2	15	--	--	--
CB	SB9	--	--	229	--
SB9	HEAD 7A	19	--	--	--
SB9	HEAD 8C	--	22	--	--
SB9	HEAD 7-1	15	--	--	--
CB	SB10	--	--	171	--
SB10	HEAD 8B	--	22	--	--
SB10	HEAD 8-2	15	--	--	--
CB	SB11	--	--	152	--
SB11	HEAD 2A	19	--	--	--
SB11	HEAD 6C	19	--	--	--
SB11	HEAD 2-1	15	--	--	--
CB	SB12	--	--	98	--
SB12	HEAD 6B	45	--	--	--
SB12	HEAD 6-2	15	--	--	--
SB12	HEAD 8-1	15	--	--	--
	TOTAL	290	524	1,108	166

201 CLEARING & GRUBBING

CATEGORY	STATION	TO	STATION	LOCATION	201.0105 CLEARING STA	201.0205 GRUBBING STA
0010	74+00	-	77+00	LT	3	3
0010	84+00	-	85+00	LT	1	1
0010	97+00	-	98+00	LT	1	1
				TOTAL 0010	5	5

204 REMOVALS - BUTT JOINTS

CATEGORY	LOCATION	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY
STAGE 1B		
0010	RANGELINE RD/153	38
0010	RANGELINE RD/MAIN ST	38
	STAGE 1B SUBTOTAL	76
STAGE 2-5		
0010	NOVAK ST	38
0010	ELM ST	37
0010	8TH ST	38
0010	KLEIST ST	37
0010	WISCONSIN ST (SOUTH)	37
0010	WISCONSIN ST (NORTH)	37
0010	5TH ST	38
0010	4TH ST	36
0010	FREEMONT ST	37
0010	JACKSON ST (SOUTH)	32
0010	JACKSON ST (NORTH)	38
0010	HIGH ST (SOUTH)	36
0010	HIGH ST (NORTH)	38
0010	PINE ST (SOUTH)	37
0010	PINE ST (NORTH)	37
	STAGE 2-5 SUBTOTAL	553
	TOTAL 0010	629

204 REMOVALS - ASPHALT

CATEGORY	STATION	TO	STATION	LOCATION	* 204.0110 REMOVING ASPHALTIC SURFACE SY	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	* 690.0150 SAWING ASPHALT LF	REMARKS
STAGE 1B								
0010	---	-	---	RANGELINE RD SB	—	6,660	—	2" DEPTH
0010	---	-	---	RANGELINE RD NB	—	6,660	—	2" DEPTH
				STAGE 1B SUBTOTAL	—	13,320	—	
STAGE 2-5								
0010	71+78	-	100+55	STH 153	13,630	—	144	4" DEPTH
0010	100+55	-	121+00	STH 153	—	10,000	—	4" DEPTH
0010	121+00	-	136+40	STH 153	—	6,780	—	1.75" DEPTH
				STAGE 2-5 SUBTOTAL	13,630	16,780	144	
STAGE 6A								
0010	70+75	-	71+78	STH 153 LT	460	—	104	4" DEPTH
				STAGE 6A SUBTOTAL	460	—	104	
STAGE 6B								
0010	70+75	-	71+78	STH 153 RT	360	—	104	4" DEPTH
				STAGE 6A SUBTOTAL	360	—		
				TOTAL 0010	14,450	30,100	248	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

211 PREPARE FOUNDATION

CATEGORY	LOCATION	211.0100.02 PREPARE FOUNDATION FOR ASPHALTIC PAVING (PROJECT) (02. 6370-01-75) LS
0010		1
	TOTAL 0010	1

213 FINISHING ROADWAY

CATEGORY	LOCATION	213.0100.02 FINISHING ROADWAY (PROJECT) (02. 6370-01-75) EACH
0010		1
	TOTAL 0010	1

3

205 EARTHWORK SUMMARY

DIVISION	FROM/TO STATION	LOCATION	205.0100 COMMON EXCAVATION (1) CUT (2)	205.0100 COMMON EXCAVATION (1) EBS EXCAVATION (3)	SALVAGED/UNUSABLE PAVEMENT MATERIAL (3)	AVAILABLE MATERIAL (4)	UNEXPANDED FILL	EXPANDED FILL (5) FACTOR 1.25	MASS ORDINATE +/- (6)	WASTE	208.0100 BORROW	COMMENT
STAGE 1												
CURB RETURN-RANGELINE-153-NW	0+00 TO 1+05	153/Rangeline	49		8	49	0	0	49	49	0	
DIVISION -- CURB RETURN-RANGELINE-B-SE	0+00 TO 1+05	Rangeline/B	63		10	63	0	0	63	63	0	
		STAGE 1A SUBTOTAL	112	0	18	112	0	0	112	112	0	
STAGE 2-5												
STH 153	118+09	STH 153 LT	1,175			1,175	50	63	1,113	1,113	0	
STAGE 2-5 SUBTOTAL			1,175	0	0	1,175	50	63	1,113	1,113	0	
GRAND TOTAL			1,287	0	18	1,287	50	63	1,225	1,225	0	
TOTAL COMMON EXC			1,287									

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.

(3) SALVAGED/UNUSABLE PAVEMENT MATERIAL

(4) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUABLE PAVEMENT MATERIAL

(5) EXPANDED FILL FACTOR = 1.25

EXPANDED FILL = UNEXPANDED FILL * FILL FACTOR

(6) 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.

(7) FACTORS USED TO COMPUTE ANTICIPATED WASTE AND THE COMPUTED WASTE VOLUME IDENTIFIED ARE FOR GENERAL INFORMATION ONLY.

416 SIDEWALK & DRIVEWAYS

*ADDITIONAL QUANTITIES LISTED ELSEWHERE **FOR INFORMATION ONLY					* 204.0110	204.0155		* 305.0120	405.1000	416.0160	465.0120	602.0405	602.0505	602.0605	* 624.0100	650.9000	* 690.0150	* 690.0250	SPV.0060.01
CATEGORY	STA	TO	STA	LOCATION	REMOVING ASPHALTIC SURFACE SY	REMOVING CONCRETE SIDEWALK SY	** EXCAVATION COMMON CY	BASE AGGREGATE DENSE 1 1/4-INCH TON	STAMPING COLORED CONCRETE CY	CONCRETE DRIVEWAY 6-INCH SY	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	CONCRETE SIDEWALK 4-INCH SF	CURB RAMP DETECTABLE WARNING FIELD YELLOW SF	CURB RAMP DETECTABLE WARNING FIELD RADIAL YELLOW SF	WATER MGAL	CONSTRUCTION STAKING CURB RAMPS EACH	SAWING ASPHALT LF	SAWING CONCRETE LF	SPECIAL (01. GRADING AND SHAPING CURB RAMPS) EACH
STAGE 2-5																			
0010	104+95	-	105+16	LT	—	22	3	6	—	—	—	210	20	—	0.1	2	—	10	2
0010	105+60	-	105+84	LT	—	12	2	3	—	—	—	115	10	—	0.1	1	—	5	1
0010	112+63	-	112+79	LT	—	7	1	2	—	—	—	70	10	—	0.1	1	—	5	1
0010	113+22	-	113+47	LT	—	12	2	3	—	—	—	115	10	—	0.1	1	—	5	1
0010	116+73	-	117+09	LT	—	25	3	6	—	—	—	240	—	15	0.1	1	—	10	1
0010	117+64	-	117+97	LT	—	25	4	7	—	—	—	245	20	—	0.2	2	—	10	2
0010	125+94	-	126+28	LT	—	17	3	5	—	—	—	170	10	—	0.1	1	—	5	1
0010	126+67	-	126+83	LT	—	8	1	2	—	—	—	80	10	—	0.1	1	—	5	1
0010	130+96	-	131+11	LT	—	29	4	7	—	—	—	280	10	—	0.2	1	—	21	1
0010	131+47	-	131+74	LT	—	37	5	9	—	—	—	355	20	—	0.2	2	—	10	2
0010	135+69	-	135+90	LT	—	24	3	6	—	—	—	235	10	—	0.1	1	—	16	1
0010	136+29	-	136+50	LT	—	21	3	6	0.5	—	—	205	—	17	0.1	1	—	12	1
0010	71+83	-	72+14	RT	—	19	3	5	—	—	—	185	20	—	0.1	2	—	5	2
0010	76+70	-	76+95	RT	—	12	2	3	—	—	—	115	10	—	0.1	1	—	5	1
0010	77+40	-	77+66	RT	—	12	2	3	—	—	—	120	10	—	0.1	1	—	5	1
0010	79+56	-	80+11	RT	—	30	4	8	—	—	—	290	20	—	0.2	2	—	5	2
0010	80+50	-	80+77	RT	—	13	2	4	—	—	—	125	10	—	0.1	1	—	5	1
0010	83+48	-	83+68	RT	—	10	2	3	—	—	—	95	10	—	0.1	1	—	5	1
0010	84+12	-	84+45	RT	—	16	2	4	—	—	—	155	10	—	0.1	1	—	5	1
0010	86+80	-	86+96	RT	—	7	1	2	—	—	—	70	10	—	0.1	1	—	5	1
0010	87+43	-	87+59	RT	—	7	1	2	—	—	—	70	10	—	0.1	1	—	5	1
0010	89+37	-	89+67	RT	—	14	2	4	—	—	—	140	—	17	0.1	1	—	5	1
0010	90+16	-	90+53	RT	—	18	3	5	—	—	—	175	10	—	0.1	1	—	5	1
0010	93+07	-	93+37	RT	—	18	3	5	—	—	—	175	10	—	0.1	1	—	10	1
0010	100+38	-	100+70	RT	—	15	2	4	—	—	—	150	---	16	0.1	1	—	5	1
0010	101+18	-	101+49	RT	—	15	2	4	—	—	—	145	10	—	0.1	1	—	5	1
0010	104+23	-	104+48	RT	—	12	2	3	—	—	—	120	10	—	0.1	1	—	5	1
0010	104+91	-	105+23	RT	—	19	3	5	—	—	—	185	20	—	0.1	2	—	5	2
0010	108+49	-	108+71	RT	—	10	2	3	—	—	—	100	10	—	0.1	1	—	5	1
0010	109+14	-	109+35	RT	—	10	2	3	—	—	—	100	10	—	0.1	1	—	5	1
0010	112+70	-	112+90	RT	—	10	2	3	—	—	—	95	10	—	0.1	1	—	5	1
0010	113+34	-	113+59	RT	—	12	2	3	—	—	—	115	10	—	0.1	1	—	5	1
0010	117+61	-	118+43	RT	33	63	15	29	—	25	8	365	10	—	0.5	1	26	16	1
0010	120+95	-	121+06	RT	—	5	1	2	—	—	—	50	10	—	0.1	1	—	5	1
0010	121+40	-	121+68	RT	—	16	2	4	—	—	—	155	20	—	0.1	2	—	—	2
0010	122+04	-	122+25	RT	—	12	2	3	—	—	—	120	—	16	0.1	1	—	5	1
0010	126+13	-	126+29	RT	—	7	1	2	—	—	—	75	10	—	0.1	1	—	5	1
0010	126+61	-	126+80	RT	8	9	3	5	—	—	—	90	10	—	0.1	1	22	5	1
0010	130+90	-	131+11	RT	—	13	2	4	—	—	—	125	10	—	0.1	1	—	10	1
0010	131+48	-	131+72	RT	—	14	2	4	—	—	—	140	20	—	0.1	2	—	5	2
0010	135+62	-	135+90	RT	—	16	2	4	—	—	—	155	10	—	0.1	1	—	10	1
0010	136+28	-	136+51	RT	—	22	3	6	0.3	—	—	215	10	—	0.1	1	—	14	1
				TOTAL 0010	41	695	111	201	0.8	25	8	6,535	450	81	5.0	50	48	294	50
STAGE 2-5																			
0020	71+83	-	79+81	LT	0	18	—	199	—	241	41	3,115	30	10	3	4	233	6	—
0020	80+26	-	92+81	LT	0	—	—	199	—	317	69	4,735	—	33	3	2	418	—	—
0020	93+28	-	101+11	LT	0	35	—	125	—	273	45	2,760	—	31	1.9	1	281	10	—
				TOTAL 0020	0	53	0	523	0	831	155	10,610	30	74	7.9	7	932	16	0
				PROJECT TOTAL	41	748	111	724	0.8	856	163	17,145	480	155	12.9	57	980	310	50

3

460 HMA

					450.4000	455.0605	460.6224	460.6424	465.0110	
CATEGORY	STATION	TO	STATION	LOCATION	HMA COLD WEATHER PAVING TON	TACK COAT GAL	HMA PAVEMENT 4 MT 58-28 S TON	HMA PAVEMENT 4 MT 58-28 H TON	ASPHALTIC SURFACE PATCHING TON	REMARKS
STAGE 1B										
0010	---	-	---	RANGELINE RD SB	750	800	—	750	10	
0010	---	-	---	RANGELINE RD NB	750	800	—	750	10	
				STAGE 1B SUBTOTAL	1,500	1,600	0	1,500	20	
STAGE 2-5										
0010	70+75	-	100+55	STH 153	—	685	1,720	1,340	—	
0010	100+55	-	121+00	STH 153	—	1,200	1,260	980	10	
0010	121+00	-	136+40	STH 153		475	—	665	10	
				STAGE 2-5 SUBTOTAL	0	2,360	2,980	2,985	20	
STAGE 6A										
0010	70+75	-	71+78	STH 153 LT	0	25	58	46	—	
				STAGE 6A SUBTOTAL	0	25	58	46	0	
STAGE 6B										
0010	70+75	-	71+78	STH 153 RT	0	20	46	36	—	
				STAGE 6B SUBTOTAL	0	20	46	36	0	
				TOTAL 0010	1,500	4,005	3,084	4,567	40	

465 HMA DETOUR

		465.0115	
		ASPHALTIC SURFACE DETOURS	
CATEGORY	LOCATION	TON	REMARKS
0010	DETOUR ROUTE	10	DETOUR ROUTE REPAIRS
	TOTAL 0010	10	

601 CURB & GUTTER

CATEGORY	STA	TO	STA	LOCATION	* 204.0110 REMOVING ASPHALTIC SURFACE SY	204.0150 REMOVING CURB & GUTTER LF	205.0100 ** EXCAVATION COMMON CY	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	416.0610 DRILLED TIE BARS EACH	465.0105 ASPHALTIC SURFACE TON	601.0409 CONCRETE CURB & GUTTER 30-INCH TYPE A LF	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	601.0557 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D LF	601.0600 CONCRETE CURB PEDESTRIAN LF	* 624.0100 WATER MGAL	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF	* 690.0150 SAWING ASPHALT LF	* 690.0250 SAWING CONCRETE LF	SPV.0090.05 SPECIAL (05. GRADING AND SHAPING FOR CURB & GUTTER REPLACEMENT) LF
STAGE 1A																			
0010	70+75	-	71+52	STH 153 LT	—	75	—	51	—	22	—	—	67	—	0.8	67	125	3	—
0010	9+04	-	9+31	RANGELINE RD RT	—	115	—	51	—	20	—	—	105	—	0.8	105	130	5	—
				STAGE 1A SUBTOTAL	0	190	0	102	0	42	0	0	172	0	2	172	255	8	0
STAGE 2-5																			
0010	71+82	-	79+86	LT	—	840	—	93	—	—	—	840	—	50	1.4	840	—	5	—
0010	80+20	-	92+88	LT	—	1,298	—	143	—	—	—	1,298	—	5	2.2	1,298	—	5	—
0010	93+24	-	101+11	LT	—	797	—	88	—	—	—	797	—	—	1.4	797	—	5	—
0010	101+75	-	103+25	LT	34	150	34	17	—	6	—	150	—	—	0.3	150	154	5	150
0010	104+98	-	105+20	LT	11	33	8	4	—	2	—	33	—	—	0.1	—	44	5	33
0010	105+56	-	105+69	LT	7	24	6	3	—	2	—	24	—	—	0.1	—	34	5	24
0010	105+95	-	107+76	LT	40	181	40	20	—	7	—	181	—	—	0.3	181	185	5	181
0010	108+52	-	108+99	LT	11	47	12	6	—	2	—	47	—	—	0.1	—	51	5	47
0010	111+12	-	111+34	LT	0	22	6	3	—	—	—	22	—	—	0.1	—	—	5	22
0010	112+02	-	112+82	LT	24	91	22	11	—	5	—	91	—	—	0.2	91	103	5	91
0010	113+19	-	113+32	LT	7	23	6	3	—	2	—	23	—	—	0.1	—	32	5	23
0010	114+76	-	117+15	LT	57	247	56	28	—	10	—	247	—	9	0.5	247	254	5	247
0010	117+72	-	118+49	LT	27	106	24	12	—	5	—	106	—	—	0.2	106	121	5	106
0010	120+71	-	122+13	LT	30	132	30	15	—	5	—	132	—	—	0.3	132	138	5	132
0010	126+19	-	126+29	LT	6	20	6	3	—	1	—	20	—	10	0.1	—	30	5	20
0010	126+67	-	126+76	LT	5	18	4	2	—	1	—	18	—	6	0.1	—	27	5	18
0010	130+96	-	131+11	LT	12	36	8	4	—	2	—	36	—	5	0.1	—	49	5	36
0010	131+47	-	131+84	LT	14	48	12	6	—	3	—	48	—	19	0.1	—	60	5	48
0010	135+84	-	135+90	LT	5	14	4	2	—	1	—	14	—	—	0.1	—	23	5	14
0010	136+28	-	136+50	LT	9	28	8	4	3	2	10	18	—	28	0.1	—	20	18	28
0010	71+79	-	76+99	RT	—	555	124	62	—	—	—	555	—	—	1.0	555	—	5	555
0010	77+36	-	80+14	RT	—	311	70	35	—	—	—	311	—	—	0.6	311	—	5	311
0010	79+56	-	79+81	RT	—	—	—	—	—	—	—	—	—	25	0.0	—	—	—	—
0010	80+48	-	83+71	RT	—	354	78	39	—	—	—	354	—	—	0.6	354	—	5	354
0010	84+08	-	87+01	RT	—	331	74	37	—	—	—	331	—	—	0.6	331	—	5	331
0010	87+38	-	89+74	RT	—	267	60	30	—	—	—	267	—	17	0.5	267	—	5	267
0010	90+10	-	100+77	RT	17	1,097	242	121	—	3	—	1,097	—	—	1.9	1097	50	5	1,097
0010	101+12	-	104+51	RT	188	367	82	41	—	32	—	367	—	—	0.7	367	436	5	367
0010	104+88	-	108+74	RT	97	406	90	45	—	17	—	406	—	—	0.7	406	425	5	406
0010	109+08	-	112+94	RT	190	406	90	45	—	32	—	406	—	—	0.7	406	479	5	406
0010	113+30	-	121+01	RT	189	813	180	90	—	32	—	813	—	4	1.4	813	835	5	813
0010	121+39	-	121+75	RT	20	67	16	8	—	4	—	67	—	—	0.2	67	83	5	67
0010	122+02	-	122+11	RT	7	19	6	3	—	2	—	19	—	—	0.1	—	28	5	19
0010	122+36	-	126+29	RT	95	405	90	45	—	16	—	405	—	—	0.7	405	417	5	405
0010	126+61	-	131+11	RT	110	470	104	52	—	19	—	470	—	—	0.8	470	491	5	470
0010	131+47	-	135+91	RT	108	461	102	51	—	19	—	461	—	9	0.8	461	480	5	461
0010	136+27	-	136+51	RT	9	29	8	4	3	2	11	18	—	19	0.1	—	21	18	29
				STAGE 2-5 SUBTOTAL	1,329	10,513	1,702	1,175	6	234	21	10,492	0	206	19.3	10,152	5,070	206	7,578
STAGE 6B																			
0010	70+75	-	71+42	RT	—	86	—	10	—	—	—	86	—	—	0.2	86	—	—	86
				STAGE 6B SUBTOTAL	0	86	0	10	0	0	0	86	0	0	0.2	86	0	0	86
				TOTAL 0010	1,329	10,789	1,702	1,287	6	276	21	10,578	172	206	21.1	10,410	5,325	214	7,664

*ADDITIONAL QUANTITIES LISTED ELSEWHERE
** FOR INFORMATION ONLY

3

608 STORM SEWER

CATEGORY	STATION	RT/LT	LOCATION	204.0210 REMOVING MANHOLES EACH	204.0220 REMOVING INLETS EACH	204.0245.01 REMOVING STORM SEWER (SIZE) (01. 12-INCH) LF	204.0245.02 REMOVING STORM SEWER (SIZE) (02. 15-INCH) LF	204.0245.03 REMOVING STORM SEWER (SIZE) (03. 8-INCH PVC) LF	204.0280 SEALING PIPES EACH	520.8000 CONCRETE COLLARS FOR PIPE EACH	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF
STAGE 1A											
0010	71+46	51.5' LT	INL 1	—	2	—	—	—	1	1	3
0010	0+75	1.5' RT	INL 2	—	1	—	—	—	—	1	10
			STAGE 1B SUBTOTAL	0	3	0	0	0	1	2	13
STAGE 2-5											
0010	102+05	21.5' LT	73378-P	—	1	22	—	—	—	—	—
0010	102+03	0.3' LT	50270-P	1	—	—	16	—	—	2	—
0010	101+95	21.3' RT	73224-P	—	1	23	—	—	—	—	—
0010	111+19	21.5' RT	71810-P	—	1	—	—	24	—	—	—
0010	111+18	0.6' RT	50273-P	1	—	—	8	—	—	1	—
0010	111+26	21.5' LT	72943-P	—	1	—	—	21	—	—	—
			STAGE 2-5 SUBTOTAL	2	4	45	24	45	0	3	0
			TOTAL 0010	2	7	45	24	45	1	5	13

608 STORM SEWER

CATEGORY	STATION	RT/LT	LOCATION	608.0415 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	611.0530 MANHOLE COVERS TYPE J EACH	611.0624 INLET COVERS TYPE H EACH	611.0627 INLET COVERS TYPE HM EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH
STAGE 1A											
0010	71+46	51.5' LT	INL 1	—	—	—	1	—	—	1	1
0010	0+75	1.5' RT	INL 2	—	—	—	1	—	1	—	1
			STAGE 1B SUBTOTAL	0	0	0	2	0	1	1	2
STAGE 2-5											
0010	102+05	21.5' LT	73378-P	22	—	1	—	—	—	1	1
0010	102+03	0.3' LT	50270-P	16	1	—	—	1	—	—	1
0010	101+95	21.3' RT	73224-P	23	—	1	—	—	—	1	1
0010	111+19	21.5' RT	71810-P	24	—	1	—	—	—	1	1
0010	111+18	0.6' RT	50273-P	8	1	—	—	1	—	—	1
0010	111+26	21.5' LT	72943-P	21	—	1	—	—	—	1	1
			STAGE 2-5 SUBTOTAL	114	2	4	0	2	0	4	6
			TOTAL 0010	114	2	4	2	2	1	5	8

3

611 ADJUSTING STORM SEWER

CATEGORY	STATION	TO	STATION	LOCATION	611.0420 RECONSTRUCTING MANHOLES EACH	611.0430 RECONSTRUCTING INLETS EACH	611.8110 ADJUSTING MANHOLE COVERS EACH	611.8115 ADJUSTING INLET COVERS EACH	611.8120.S COVER PLATES TEMPORARY EACH
0010	70+75	-	136+33		25	14	16	28	16
				TOTAL 0010	25	14	16	28	16

618 MAINT & REPAIR OF HAUL ROAD

CATEGORY	LOCATION	618.0100.02 MAINTENANCE AND REPAIR OF HAUL ROADS (PROJECT) (02. 6370-01-75) EACH
0010	PROJECT	1
	TOTAL 0010	1

3

628 EROSION CONTROL

CATEGORY	STATION	TO	STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH	628.2006 EROSION MAT URBAN CLASS I TYPE A SY	628.7005 INLET PROTECTION TYPE A EACH	628.7015 INLET PROTECTION TYPE C EACH
0010	70+75	-	136+33	STH 153	1,950	1,950	3	1	4,432	47	64
0010	N/A	-	N/A	RANGELINE RD	—	—	—	—	—	—	14
0010	70+75	-	136+33	UNDISTRIBUTED	500	500	—	—	1,108	—	—
				TOTAL 0010	2,450	2,450	3	1	5,540	47	78

619 MOBILIZATION

CATEGORY	LOCATION	619.1000 MOBILIZATION EACH
0010	PROJECT	0.77
	TOTAL 0010	0.77

628 RESTORATION

CATEGORY	STATION	TO	STATION	LOCATION	625.0100 TOPSOIL SY	630.0140 SEEDING MIXTURE NO. 40 LB	630.0500 SEED WATER MGAL	SPV.0030.01 SPECIAL (01. FERTILIZER FOR LAWN TYPE TURF) CWT	SPV.0180.01 SPECIAL (01. PREPARING TOPSOIL FOR LAWN TYPE TURF) SY
0010	70+75	-	136+40	STH 153	4,432	80	100	2.8	4,432
0010	70+75	-	136+40	UNDISTRIBUTED	1,108	20	13	—	—
				TOTAL 0010	5,540	100	113	2.8	4,432

642 FIELD OFFICE

CATEGORY	LOCATION	642.5201 FIELD OFFICE TYPE C EACH
0010	PROJECT	0.75
	TOTAL 0010	0.75

634 - 638 PERMANENT SIGNING ITEMS

ALL ITEMS ARE CATEGORY 0010

SIGN NUMBER	SIGN CODE	SIGN MESSAGE	SIZE	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0614 POSTS WOOD 4X6-INCH X 14-FT EACH	634.0616 POSTS WOOD 4X6-INCH X 16-FT EACH	634.0814 POSTS TUBULAR STEEL 2X2-INCH X 14-FT EACH	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	SPV.0060.07 CORE DRILLING FOR 18-INCH DIAMETER FOR SIGN POST EACH	REMARKS
0-01	R1-1	STOP	--- --- ---	---	---	1	---	---	1	---	---	---	
---	---	RANGELINE RD	--- --- ---	---	---	---	---	---	---	---	---	---	TO BE MOVED BY LOCALS
---	---	MAIN ST	--- --- ---	---	---	---	---	---	---	---	---	---	TO BE MOVED BY LOCALS
0-02	---	WELCOME TO THE CITY OF MOSINEE	--- --- ---	---	---	---	---	---	---	---	---	---	TO BE MOVED BY LOCALS
---	---	NO PARKING ON CITY STREETS	--- --- ---	---	---	---	---	---	---	---	---	---	TO BE MOVED BY LOCALS
1-01	W11-2	PEDESTRIAN CROSSING	30 X 30	---	6.25	1	---	---	---	---	---	---	
---	W16-9P	AHEAD (YELLOW)	24 X 12	---	2.00	---	---	---	---	---	---	---	
1-02	R1-1	STOP	30 X 30	5.18	---	1	---	---	---	1	1	---	
1-03	R1-1	STOP	30 X 30	5.18	---	1	---	---	---	1	1	---	
1-04	W11-2	PEDESTRIAN CROSSING	30 X 30	---	6.25	1	---	---	---	---	---	---	
---	W16-7L	LT DIAGONAL DOWNWARD POINTING ARROW	24 X 12	---	2.00	---	---	---	---	---	---	---	
1-05	W11-2	PEDESTRIAN CROSSING	30 X 30	---	6.25	1	---	---	---	---	---	---	
---	W16-7L	LT DIAGONAL DOWNWARD POINTING ARROW	24 X 12	---	2.00	---	---	---	---	---	---	---	
1-06	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18 X 24	3.00	---	1	---	---	---	---	---	---	
1-07	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18 X 24	3.00	---	1	---	---	---	---	---	---	
1-08	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18 X 24	3.00	---	1	---	---	---	---	---	---	
1-09	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18 X 24	3.00	---	1	---	---	---	---	---	---	
1-10	R1-1	STOP	30 X 30	5.18	---	1	---	---	---	1	1	---	
1-11	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18 X 24	3.00	---	1	---	---	---	---	---	---	
1-12	W54-60	FIRE TRUCKS ENTERING WHEN FLASHING	36 X 36	---	9.00	1	---	---	---	1	---	---	BAND SIGN TO TRAFFIC SIGNAL POLE
1-13	R2-1	SPEED LIMIT (35 MPH)	24 X 30	5.00	---	1	---	---	---	---	---	---	
1-14	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18 X 24	3.00	---	1	---	---	---	---	---	---	
1-15	W11-2	PEDESTRIAN CROSSING	30 X 30	---	6.25	1	---	---	---	---	---	---	
---	W16-7L	LT DIAGONAL DOWNWARD POINTING ARROW	24 X 12	---	2.00	---	---	---	---	---	---	---	
1-16	W11-2	PEDESTRIAN CROSSING	30 X 30	---	6.25	1	---	---	---	---	---	---	
---	W16-7L	LT DIAGONAL DOWNWARD POINTING ARROW	24 X 12	---	2.00	---	---	---	---	---	---	---	
1-17	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18 X 24	3.00	---	1	---	---	---	---	---	---	
1-18	R1-1	STOP	30 X 30	5.18	---	1	---	---	---	1	1	---	
1-19	---	SPEED LIMIT (35 MPH)	--- --- ---	---	---	---	---	---	---	1	1	---	
1-20	R1-1	STOP	30 X 30	5.18	---	1	---	---	---	1	1	---	
1-21	R2-1	SPEED LIMIT (35 MPH)	24 X 30	5.00	---	1	---	---	---	1	1	---	
1-22	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18 X 24	3.00	---	1	---	---	---	---	---	---	
1-23	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18 X 24	3.00	---	1	---	---	---	---	---	---	
1-24	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18 X 24	3.00	---	1	---	---	---	---	---	---	
1-25	R1-1	STOP	30 X 30	5.18	---	1	---	---	---	1	1	---	
1-26	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18 X 24	3.00	---	1	---	---	---	---	---	---	
1-27	R2-1	SPEED LIMIT (35 MPH)	24 X 30	5.00	---	1	---	---	---	1	1	---	
		SUBTOTAL		79.08	50.25	27.00	0.00	0.00	1.00	10.00	9.00	0.00	

634 - 638 PERMANENT SIGNING ITEMS

ALL ITEMS ARE CATEGORY 0010

SIGN NUMBER	SIGN CODE	SIGN MESSAGE	SIZE			637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0614 POSTS WOOD 4X6-INCH X 14-FT EACH	634.0616 POSTS WOOD 4X6-INCH X 16-FT EACH	634.0814 POSTS TUBULAR STEEL 2X2-INCH X 14-FT EACH	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	SPV.0060.07 CORE DRILLING FOR 18-INCH DIAMETER FOR SIGN POST EACH	REMARKS
2-01	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18	X	24	3.00	---	1	---	---	---	---	---	---	
2-02	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18	X	24	3.00	---	1	---	---	---	---	---	---	
2-03	R1-1	STOP	30	X	30	5.18	---	---	---	1	---	1	1	---	
2-04	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18	X	24	3.00	---	1	---	---	---	---	---	---	
2-05	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18	X	24	3.00	---	1	---	---	---	---	---	---	
2-06	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18	X	24	3.00	---	1	---	---	---	---	---	---	
2-07	R2-1	SPEED LIMIT (35 MPH)	24	X	30	5.00	---	1	---	---	---	1	---	---	
2-08	R1-1	STOP	30	X	30	5.18	---	1	---	---	---	1	1	---	
2-09	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18	X	24	3.00	---	1	---	---	---	---	---	---	
2-10	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18	X	24	3.00	---	1	---	---	---	---	---	---	
2-11	---	CITY OF MOSINEE FACILITY DIRECTIONAL	---	---	---	---	---	---	---	---	---	---	---	---	SIGN TO REMAIN
2-12	R1-1	STOP	30	X	30	5.18	---	1	---	---	---	1	1	---	
2-13	W11-2	PEDESTRIAN CROSSING	30	X	30	---	6.25	1	---	---	---	---	---	---	
---	W16-7L	LEFT DIAGONAL DOWNWARD POINTING ARROW	24	X	12	---	2.00	---	---	---	---	---	---	---	
2-14	W11-2	PEDESTRIAN CROSSING	30	X	30	---	6.25	1	---	---	---	---	---	---	
---	W16-7L	LEFT DIAGONAL DOWNWARD POINTING ARROW	24	X	12	---	2.00	---	---	---	---	---	---	---	
2-15	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18	X	24	3.00	---	1	---	---	---	---	---	---	
2-16	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18	X	24	3.00	---	1	---	---	---	---	---	---	
2-17	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18	X	24	3.00	---	1	---	---	---	---	---	---	
2-18	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18	X	24	3.00	---	1	---	---	---	---	---	---	
2-19	---	SPEED LIMIT (35 MPH)	---	---	---	---	---	---	---	---	---	1	---	---	
2-20	R2-1	SPEED LIMIT (35 MPH)	24	X	30	5.00	---	1	---	---	---	---	---	---	
2-21	R2-1	SPEED LIMIT (35 MPH)	24	X	30	5.00	---	1	---	---	---	1	---	---	
3-01	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18	X	24	3.00	---	1	---	---	---	1	---	---	
3-02	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18	X	24	3.00	---	---	---	---	---	---	---	---	BAND SIGN TO STREET LIGHT
3-03	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18	X	24	3.00	---	1	---	---	---	1	---	---	
3-04	R1-1	STOP	30	X	30	5.18	---	1	---	---	---	1	1	---	
3-05	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18	X	24	3.00	---	---	---	---	---	1	---	---	BAND SIGN TO STREET LIGHT
3-06	R2-1	SPEED LIMIT (35 MPH)	24	X	30	5.00	---	1	---	---	---	1	1	---	35 MPH
3-07	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18	X	24	3.00	---	---	---	---	---	1	---	---	BAND SIGN TO STREET LIGHT
3-08	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18	X	24	3.00	---	1	---	---	---	1	---	---	
3-09	W11-2	PEDESTRIAN CROSSING	30	X	30	---	6.25	1	---	---	---	---	---	---	
---	W16-7L	LT DIAGONAL DOWNWARD POINTING ARROW	24	X	12	---	2.00	---	---	---	---	---	---	---	
3-10	R1-1	STOP	30	X	30	5.18	---	1	---	---	---	1	1	---	
3-11	W11-2	PEDESTRIAN CROSSING	30	X	30	---	6.25	1	---	---	---	---	---	---	
---	W16-7L	LT DIAGONAL DOWNWARD POINTING ARROW	24	X	12	---	2.00	---	---	---	---	---	---	---	
3-12	R1-1	STOP	30	X	30	5.18	---	1	---	---	---	1	1	---	
		SUBTOTAL				102.08	33.00	27	0	1	0	15	7	0	

634 - 638 PERMANENT SIGNING ITEMS

ALL ITEMS ARE CATEGORY 0010

SIGN NUMBER	SIGN CODE	SIGN MESSAGE	SIZE			637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0614 POSTS WOOD 4X6-INCH X 14-FT EACH	634.0616 POSTS WOOD 4X6-INCH X 16-FT EACH	634.0814 POSTS TUBULAR STEEL 2X2-INCH X 14-FT EACH	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	SPV.0060.07 CORE DRILLING FOR 18-INCH DIAMETER FOR SIGN POST EACH	REMARKS
3-22	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18	X	24	3.00	---	---	---	---	---	1	---	---	BAND SIGN TO STREET LIGHT
3-23	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18	X	24	3.00	---	1	---	---	---	1	---	---	
3-24	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18	X	24	3.00	---	---	---	---	---	1	---	---	BAND SIGN TO STREET LIGHT
3-25	R1-1	STOP	30	X	30	5.18	---	1	---	---	---	1	1	---	
3-26	R1-1	STOP	30	X	30	5.18	---	1	---	---	---	1	1	---	
3-27	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18	X	24	3.00	---	---	---	---	---	1	---	---	BAND SIGN TO STREET LIGHT
4-01	R2-1	SPEED LIMIT (25 MPH)	24	X	30	5.00	---	1	---	---	---	1	1	---	
4-02	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18	X	24	3.00	---	1	---	---	---	1	---	---	
4-03	R2-1	SPEED LIMIT (25 MPH)	24	X	30	5.00	---	1	---	---	---	1	1	---	
4-04	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18	X	24	3.00	---	---	---	---	---	1	---	---	BAND SIGN TO STREET LIGHT
4-05	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18	X	24	3.00	---	1	---	---	---	1	---	---	
4-06	R1-1	STOP	30	X	30	5.18	---	1	---	---	---	1	1	---	
4-07	W1-1L	ROAD TURNS LT	36	X	36	---	9.00	---	1	---	---	1	1	---	
---	W13-1	20 MPH	18	X	18	---	2.25	---	---	---	---	1	---	---	
4-08	W11-2	PEDESTRIAN CROSSING	30	X	30	---	6.25	1	---	---	---	---	---	---	
---	W16-7L	LT DIAGONAL DOWNWARD POINTING ARROW	24	X	12	---	2.00	---	---	---	---	---	---	---	
4-09	W11-2	PEDESTRIAN CROSSING	30	X	30	---	6.25	1	---	---	---	---	---	---	
---	W16-7L	LEFT DIAGONAL DOWNWARD POINTING ARROW	24	X	12	---	2.00	---	---	---	---	---	---	---	
4-10	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18	X	24	3.00	---	1	---	---	---	1	1	---	
4-11	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18	X	24	3.00	---	1	---	---	---	1	1	---	
4-12	R2-1	SPEED LIMIT (25 MPH)	24	X	30	5.00	---	1	---	---	---	1	---	---	
4-13	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18	X	24	3.00	---	1	---	---	---	1	1	---	
4-14	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18	X	24	3.00	---	1	---	---	---	1	1	---	
4-15	R1-1	STOP	30	X	30	5.18	---	1	---	---	---	1	1	---	
4-16	R1-1	STOP	30	X	30	5.18	---	1	---	---	---	1	1	---	
4-17	R2-1	SPEED LIMIT (25 MPH)	24	X	30	5.00	---	1	---	---	---	1	1	---	
4-18	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18	X	24	3.00	---	1	---	---	---	1	---	---	
4-19	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18	X	24	3.00	---	1	---	---	---	1	1	---	
4-20	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18	X	24	3.00	---	1	---	---	---	1	1	---	
4-21	S1-1	SCHOOL ADVANCE	36	X	36	---	9.00	---	1	---	---	1	1	---	
---	S16-9P	AHEAD (FLUORESCENT YELLOW GREEN)	24	X	12	---	2.00	---	---	---	---	1	---	---	
4-22	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18	X	24	3.00	---	1	---	---	---	1	1	---	
4-23	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18	X	24	3.00	---	1	---	---	---	1	1	---	
4-24	R1-1	STOP	30	X	30	5.18	---	1	---	---	---	1	1	---	
4-25	R1-1	STOP	30	X	30	5.18	---	1	---	---	---	1	1	---	
4-26	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18	X	24	3.00	---	1	---	---	---	1	1	---	
		SUBTOTAL				107.26	38.75	26	2	0	0	32	21	0	

634 - 638 PERMANENT SIGNING ITEMS

ALL ITEMS ARE CATEGORY 0010

SIGN NUMBER	SIGN CODE	SIGN MESSAGE	SIZE			637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0614 POSTS WOOD 4X6-INCH X 14-FT EACH	634.0616 POSTS WOOD 4X6-INCH X 16-FT EACH	634.0814 POSTS TUBULAR STEEL 2X2-INCH X 14-FT EACH	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	SPV.0060.07 CORE DRILLING FOR 18-INCH DIAMETER FOR SIGN POST EACH	REMARKS
5-01	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18	X	24	3.00	---	1	---	---	---	1	1	---	
5-02	R2-1	SPEED LIMIT (25 MPH)	24	X	30	5.00	---	1	---	---	---	1	1	---	
5-03	S1-1	SCHOOL ADVANCE	36	X	36	---	9.00	1	1	---	---	---	---	---	
---	S16-9P	AHEAD	24	X	12	---	2.00	---	---	---	---	---	---	---	
5-04	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18	X	24	3.00	---	1	---	---	---	1	1	---	
5-05	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18	X	24	3.00	---	1	---	---	---	1	1	---	
5-06	R1-1	STOP	30	X	30	5.18	---	---	---	1	---	1	1	1	
5-07	R1-1	STOP	30	X	30	5.18	---	1	---	---	---	1	1	---	
5-08	S1-1	SCHOOL ADVANCE	36	X	36	---	9.00	1	---	---	---	---	---	---	
---	W16-7L	LEFT DIAGONAL DOWNWARD POINTING ARROW	24	X	12	---	2.00	---	---	---	---	---	---	---	
5-05	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18	X	24	3.00	---	1	---	---	---	1	1	---	
5-10	S1-1	SCHOOL ADVANCE	36	X	36	---	9.00	1	---	---	---	---	---	---	
---	W16-7L	LT DIAGONAL DOWNWARD POINTING ARROW	24	X	12	---	2.00	---	---	---	---	---	---	---	
5-11	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18	X	24	3.00	---	1	---	---	---	---	---	---	
5-12	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18	X	24	3.00	---	1	---	---	---	1	1	---	
5-13	S1-1	SCHOOL ADVANCE	36	X	36	---	9.00	1	1	---	---	1	1	---	
---	S16-9P	AHEAD (FLUORESCENT YELLOW GREEN)	24	X	12	---	2.00	---	---	---	---	1	---	---	
5-14	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18	X	24	3.00	---	1	---	---	---	1	1	---	
5-15	J1-1	JUNCTION ASSEMBLY	24	X	39	6.50	---	---	1	---	---	1	1	---	
5-16	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18	X	24	3.00	---	1	---	---	---	1	1	---	
5-17	R7-1D	NO PARKING ANYTIME (DBL ARROW)	18	X	24	3.00	---	1	---	---	---	1	1	---	
5-18	R1-1	STOP	30	X	30	5.18	---	1	---	---	---	1	1	---	
5-19	R1-1	STOP	30	X	30	5.18	---	1	---	---	---	1	1	---	
		SUBTOTAL				59.22	44.00	17	3	1	0	16	15	1	
		TOTAL 0010				347.64	166.00	97	5	2	1	73	52	1	

643-649 TRAFFIC CONTROL

CAT	STA	TO	STA	LOCATION	DURATION DAYS	643.0300 TRAFFIC CONTROL DRUMS EACH**	643.0300 TRAFFIC CONTROL DRUMS DAY	643.0410 TRAFFIC CONTROL BARRICADES TYPE II EACH**	643.0410 TRAFFIC CONTROL BARRICADES TYPE II DAY	*643.0420 TRAFFIC CONTROL BARRICADES TYPE III EACH**	*643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	*643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH**	*643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C EACH**	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C DAY	*643.0900 TRAFFIC CONTROL SIGNS EACH**	*643.0900 TRAFFIC CONTROL SIGNS DAY	643.1070 TRAFFIC CONTROL CONES 42-INCH EACH**	643.1070 TRAFFIC CONTROL CONES 42-INCH DAY	643.5000 TRAFFIC CONTROL EACH	644.1420 TEMPORARY PEDESTRIAN SURFACE PLYWOOD SF	644.1601 TEMPORARY PEDESTRIAN CURB RAMP EACH**	644.1601 TEMPORARY PEDESTRIAN CURB RAMP DAY	644.1810 TEMPORARY PEDESTRIAN BARRICADE LF	646.9000 MARKING REMOVAL LINE 4-INCH LF	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH (WHITE) LF	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW) LF	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) LF	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW) LF
PROJECT																													
0010	70+75	-	149+92	STH 153	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.75	—	—	—	—	—	—	—	—	—
				SUBTOTAL			0		0		0		0		0		0	0	0	0.75	0		0	0	0	0	0	0	0
STAGE 1A		-																											
0010	70+18	-	73+00	RANGELINE/153	15	19	285	—	—	—	—	—	—	—	—	9	135	—	—	—	—	—	—	—	—	—	—	—	—
0010	8+20	-	10+00	RANGELINE/153	15	19	285	—	—	—	—	—	—	—	—	8	120	—	—	—	—	—	—	—	—	—	—	—	—
				SUBTOTAL			570		0		0		0		0	17	255	0	0	0	0		0	0	0	0	0	0	0
STAGE 1B																													
0010	72+00	-	108+00	RANGELINE RD	10	0	0	—	—	0	0	—	—	—	—	39	390	—	—	—	—	—	—	—	—	—	—	—	—
				SUBTOTAL			0		0		0		0		0		390	0	0	0	0		0	0	0	0	0	0	0
STAGE 2-5																													
0010	71+63	-	136+33	STH 153	90	200	18,000	40	400	—	0	—	—	—	—	30	150	—	—	—	875	50	250	1,500	—	600	—	200	—
				SUBTOTAL			18,000		400		0		0		0		150	0	0	0	875		250	1,500	0	600	0	200	0
STAGE 6A																				—		—	—						
0010	70+75	-	74+50	STH 153	5	12	60	1	5	5	25	8	40	6	30	20	100	10	50	—	—	—	—	—	318	—	—	898	1,014
				SUBTOTAL			60		5		25		40		30		100	10	50	0	0		0	0	318	0	0	898	1,014
STAGE 6B																				—		—	—						
0010	70+75	-	74+50	STH 153	10	20	200	1	10	5	50	8	80	6	60	20	200	10	100	—	—	—	—	—	187	—	—	823	954
				SUBTOTAL			200		10		50		80		60		200		100	0	0		0	0	187	0	0	823	954
				UNDISTRIBUTED		—	2,170	—	119		25	—	30	—	10	—	115	—	14	—	125	—	50	150	95	100	0	200	211
				SUBTOTAL			2,170		135		25		30		10		115		30	0	125		50	150	95	100	0	200	211
				TOTAL 0010			21,000		550		100		150		100		1,210		180	0.75	1,000		300	1,650	600	700		4,300	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

**FOR IMFORMATION ONLY

646 PAVEMENT MARKING

CATEGORY	STATION	TO	STATION	LOCATION	646.1020 MARKING LINE EPOXY 4-INCH SOLID WHITE LF	646.1020 MARKING LINE EPOXY 4-INCH SOLID YELLOW LF	646.1020 MARKING LINE EPOXY 4-INCH YELLOW (12.5' LINE, 37.5' SKIP) LF	646.1020 MARKING LINE EPOXY 4-INCH WHITE (6' DIAGONAL, 25' SPACING) LF	646.1020 MARKING LINE EPOXY 4-INCH WHITE (3' LINE, 9' SKIP) LF	646.4520 MARKING LINE SAME DAY EPOXY YELLOW (12.5' LINE, 37.5' SKIP) LF	646.6120 MARKING STOP LINE EPOXY 18-INCH LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	646.7520 MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH LF
STAGE 2-5													
0010	73+80	-	136+32.77	STH 153	17,623	3,264	1,169	1,842	—	—	—	—	—
0010				MAPLE ST	—	—	—	—	18	—	17	89	—
0010				WILLOW ST	—	—	—	—	18	—	34	245	—
0010				BIRCH ST	—	—	—	—	18	—	18	83	—
0010				WILSON ST	—	—	—	—	18	—	19	92	—
0010				ANNA ST	—	—	—	—	18	—	17	93	—
0010				11TH ST	—	—	—	—	18	—	18	178	66
0010				NOVAK ST	—	—	—	—	18	—	19	94	—
0010				ELM ST	—	—	—	—	18	—	18	166	60
0010				8TH ST	—	—	—	—	18	—	17	85	—
0010				KLEIST ST	—	—	—	—	18	—	17	83	—
0010				WISCONSIN ST (NORTH)	—	—	—	—	18	—	17	83	—
0010				WISCONSIN ST (SOUTH)	—	—	—	—	18	—	18	83	—
0010				5TH ST	—	—	—	—	18	—	24	195	—
0010				4TH ST	—	—	—	—	18	—	17	76	—
0010				FREMONT ST	—	—	—	—	—	—	18	80	—
0010				JACKSON ST (NORTHWEST)	—	—	—	—	—	—	17	72	—
0010				JACKSON ST (SOUTHEAST)	—	—	—	—	—	—	14	60	—
0010				HIGH ST (NORTHWEST)	—	—	—	—	—	—	16	139	54
0010				HIGH ST (SOUTHEAST)	—	—	—	—	—	—	17	68	—
0010				PINE ST (NORTHWEST)	—	—	—	—	—	—	17	76	—
0010				PINE ST (SOUTHEAST)	—	—	—	—	—	—	17	77	—
				STAGE 2-5 SUBTOTAL	17,623	3,264	1,169	1,842	252	0	386	2,217	180
STAGE 6B													
0010	70+75	-	73+80	STH 153	603	—	—	72	18	102	—	84	—
				STAGE 6B SUBTOTAL	603	0	0	72	18	102	0	84	0
				TOTAL 0010			24,843			102	386	2,301	180

646 MARKING LINE PAINT

CATEGORY	STATION	TO	STATION	LOCATION	646.1005 MARKING LINE PAINT 4-INCH YELLOW LF	646.6105 MARKING STOP LINE PAINT 18-INCH LF	REMARKS
STAGE 1B							
0010	CTH B	-	STH 153	RANGELINE ROAD	7,045	45	PAINT DBYL PRIOR TO DETOUR START
				TOTAL 0010	7,045	45	

643.0920 COVERING SIGNS

CATEGORY	LOCATION	EACH	CYCLES**	* 643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II EACH
0010				
STAGE 1A	PROJECT	1	1	1
UNDISTRIBUTED	PROJECT	4	1	4
	TOTAL 0010			5

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

643 TRAFFIC CONTROL DETOUR

CATEGORY	STATION	TO	STATION	LOCATION	DURATION DAYS	* 643.0420 TRAFFIC CONTROL BARRICADES TYPE III EACH**	643.0420 DAY	* 643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH**	643.0705 DAY	* 643.0900 TRAFFIC CONTROL SIGNS EACH**	643.0900 DAY	* 643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II EACH	643.0920 CYCLES**	643.0920 DAY	643.1050 TRAFFIC CONTROL SIGNS PCMS EACH**	643.1050 DAY	REMARKS
0010	70+75.03	-	149+92.24	STH 153 PREP	7	—	—	—	—	2	14	—	—	—	0	0	G20-57 SIGN TO BE PLACED 7 DAYS PRIOR TO WORK BEGINNING
0010	70+75.03	-	149+92.24	STH 153 DETOUR (STAGE 2-5)	90	56	5,040	112	10,080	142	12,780	2	1	2	2	14	PCMS TO BE PLACED 7 DAYS PRIOR TO DETOUR
0010	-	-	-	UNDISTRIBUTED		—	510	—	1,020	—	1,306	—	—	3	—	—	
				TOTAL 0010			5,550		11,100		14,100			5		14	

648 LOCATING NO-PASSING ZONES

CATEGORY	STATION	TO	STATION	LOCATION	648.0100 LOCATING NO-PASSING ZONES MI
0010	70+75.03	-	149+92.24	STH 153	1.50
				TOTAL 0010	1.50

650 CONSTRUCTION STAKING

CATEGORY	STATION	TO	STATION	LOCATION	650.8000 CONSTRUCTION STAKING RESURFACING REFERENCE LF	650.9910.02 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) (02. 6370-07-75) LS	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF
0010	70+75	-	136+33	STH 153	6,558	1	—
				TOTAL 0010	6,558	1	0
0020	71+83	-	101+11	STH 153 LT	—	—	2,928
				TOTAL 0020	0	0	2,928
				PROJECT TOTAL	6,558	1	2,928

653 ADJUSTING PULL BOXES

CATEGORY	STATION	LOCATION	653.0900 ADJUSTING PULL BOXES EACH
0010	126+17	STH 153 LT	1
		TOTAL 0010	1

SPV.0060 LAND PARCEL MONUMENTS

CATEGORY	LOCATION	SPV.0060.03 SPECIAL (03. RESEARCH AND LOCATE EXISTING LAND PARCEL MONUMENTS) EACH	SPV.0060.04 SPECIAL (04. VERFIY AND REPLACE EXISTING LAND PARCEL MONUMENTS) EACH
0010	STH 153	80	10
	TOTAL 0010	80	10

3

690.0150 - SAWING ASPHALT

CATEGORY	LOCATION	* 690.0150 SAWING ASPHALT LF	REMARKS
STAGE 2-5			
0010	MAPLE ST	34	
0010	WILLOW ST	30	
0010	WILLOW ST	31	
0010	BIRCH ST	34	
0010	WILSON ST	33	
0010	ANNA ST	34	
0010	11TH ST	33	
	STAGE 5 SUBTOTAL	229	
STAGE 6A			
0010	RANGE LINE RD	103	
	STAGE 6A SUBTOTAL	103	
STAGE 6B			
0010	RANGE LINE RD	103	
	STAGE 6B SUBTOTAL	103	
	TOTAL 0010	435	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

FILE NAME : N:\PDS\C3D\CAD\XXXXXXXX\SIG\SXX-XXXX\SXX-XXXX_mq.pptx PLOT DATE : 11/30/2021 PLOT BY : DOTCMV PLOT NAME : SXX-XXXX_mq.pdf PLOT SCALE : 1:1

REMOVING ASPHALTIC SURFACE

STATION - STATION	LOCATION	204.0110 REMOVING ASPHALTIC SURFACE SY
CATEGORY CODE 0010		
73+54	CL	23
74+25	CL	22
74+88	CL	22
82+78	CL	22
85+11	CL	22
86+27	CL	22
88+72	CL	22
95+33	CL	22
95+65	CL	22
97+40	CL	22
98+07	CL	22
99+01	CL	22
100+53	CL	22
102+25	CL	22
103+56	CL	22
104+39	CL	23
105+33	CL	24
105+84	CL	22
106+48	CL	22
107+73	CL	22
108+06	CL	22
109+51	CL	22
110+68	CL	22
111+65	CL	22
111+83	CL	22
112+45	CL	22
113+53	CL	22
115+68	CL	22
116+28	CL	22
117+05	CL	27
TOTAL		**669**

REMOVING CURB AND GUTTER

STATION - STATION	LOCATION	204.0150 REMOVING CURB & GUTTER LF
CATEGORY CODE 0010		
73+54	LT/RT	10
74+25	LT/RT	10
74+88	LT/RT	10
82+78	LT/RT	10
85+11	LT/RT	10
86+27	LT/RT	10
88+72	LT/RT	10
95+33	LT/RT	10
95+65	LT/RT	10
97+40	LT/RT	10
98+07	LT/RT	10
99+01	LT/RT	10
100+53	LT/RT	10
102+25	LT/RT	10
103+56	LT/RT	10
104+39	LT/RT	10
105+33	RT	5
105+84	LT/RT	10
106+48	LT/RT	10
107+73	LT/RT	10
108+06	LT/RT	10
109+51	LT/RT	10
110+68	LT/RT	10
111+65	LT/RT	10
111+83	LT/RT	10
112+45	LT/RT	10
113+53	LT/RT	10
115+68	LT/RT	10
116+28	LT/RT	10
117+05	LT/RT	12
117+33	LT	5
118+69	RT	13
TOTAL		**315**

REMOVING CONCRETE SIDEWALK

STATION - STATION	LOCATION	204.0155 REMOVING CONCRETE SIDEWALK SY
CATEGORY CODE 0010		
73+54	RT	3
74+25	RT	3
74+88	RT	3
82+78	RT	3
85+11	RT	3
86+27	RT	3
88+72	RT	3
95+33	RT	3
95+65	RT	3
97+40	RT	5
98+07	RT	3
99+01	RT	5
100+53	RT	3
102+25	RT	3
103+56	RT	3
104+39	RT	3
105+33	RT	3
105+84	RT	3
106+48	RT	3
107+73	RT	3
108+06	RT	3
109+51	RT	3
110+68	RT	3
111+65	RT	3
111+83	RT	3
112+45	RT	3
113+53	RT	3
115+68	RT	3
116+28	RT	3
117+05	RT	3
118+69	RT	7
TOTAL		**101**

ASPHALTIC ITEMS

STATION - STATION	LOCATION	465.0110 ASPHALTIC SURFACE PATCHING TON
CATEGORY CODE 0010		
73+54	CL	5
74+25	CL	5
74+88	CL	5
82+78	CL	5
85+11	CL	5
86+27	CL	5
88+72	CL	5
95+33	CL	5
95+65	CL	5
97+40	CL	5
98+07	CL	5
99+01	CL	5
100+53	CL	5
102+25	CL	5
103+56	CL	5
104+39	CL	5
105+33	CL	5
105+84	CL	5
106+48	CL	5
107+73	CL	5
108+06	CL	5
109+51	CL	5
110+68	CL	5
111+65	CL	5
111+83	CL	5
112+45	CL	5
113+53	CL	5
115+68	CL	5
116+28	CL	5
117+05	CL	6
TOTALS		**151**

3

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

MISC. SHEET 1

BASE AGGREGATE DENSE AND BREAKER RUN ITEMS

STATION - STATION	LOCATION	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	COMMENTS
CATEGORY CODE 0010			
73+54	CL	16	1 1/4-INCH FOR ROADWAY & SIDEWALK
74+25	CL	16	1 1/4-INCH FOR ROADWAY & SIDEWALK
74+88	CL	16	1 1/4-INCH FOR ROADWAY & SIDEWALK
82+78	CL	16	1 1/4-INCH FOR ROADWAY & SIDEWALK
85+11	CL	16	1 1/4-INCH FOR ROADWAY & SIDEWALK
86+27	CL	16	1 1/4-INCH FOR ROADWAY & SIDEWALK
88+72	CL	16	1 1/4-INCH FOR ROADWAY & SIDEWALK
95+33	CL	16	1 1/4-INCH FOR ROADWAY & SIDEWALK
95+65	CL	16	1 1/4-INCH FOR ROADWAY & SIDEWALK
97+40	CL	17	1 1/4-INCH FOR ROADWAY & SIDEWALK
98+07	CL	16	1 1/4-INCH FOR ROADWAY & SIDEWALK
99+01	CL	17	1 1/4-INCH FOR ROADWAY & SIDEWALK
100+53	CL	16	1 1/4-INCH FOR ROADWAY & SIDEWALK
102+25	CL	16	1 1/4-INCH FOR ROADWAY & SIDEWALK
103+56	CL	16	1 1/4-INCH FOR ROADWAY & SIDEWALK
104+39	CL	16	1 1/4-INCH FOR ROADWAY & SIDEWALK
105+33	CL	16	1 1/4-INCH FOR ROADWAY & SIDEWALK
105+84	CL	16	1 1/4-INCH FOR ROADWAY & SIDEWALK
106+48	CL	16	1 1/4-INCH FOR ROADWAY & SIDEWALK
107+73	CL	16	1 1/4-INCH FOR ROADWAY & SIDEWALK
108+06	CL	16	1 1/4-INCH FOR ROADWAY & SIDEWALK
109+51	CL	16	1 1/4-INCH FOR ROADWAY & SIDEWALK
110+68	CL	16	1 1/4-INCH FOR ROADWAY & SIDEWALK
111+65	CL	16	1 1/4-INCH FOR ROADWAY & SIDEWALK
111+83	CL	16	1 1/4-INCH FOR ROADWAY & SIDEWALK
112+45	CL	16	1 1/4-INCH FOR ROADWAY & SIDEWALK
113+53	CL	16	1 1/4-INCH FOR ROADWAY & SIDEWALK
115+68	CL	16	1 1/4-INCH FOR ROADWAY & SIDEWALK
116+28	CL	16	1 1/4-INCH FOR ROADWAY & SIDEWALK
117+05	CL	17	1 1/4-INCH FOR ROADWAY & SIDEWALK
118+69	CL	5	1 1/4-INCH FOR SIDEWALK
TOTALS		**488**	

CONCRETE CURB AND GUTTER ITEMS

STATION - STATION	LOCATION	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF
CATEGORY CODE 0010		
73+54	LT/RT	10
74+25	LT/RT	10
74+88	LT/RT	10
82+78	LT/RT	10
85+11	LT/RT	10
86+27	LT/RT	10
88+72	LT/RT	10
95+33	LT/RT	10
95+65	LT/RT	10
97+40	LT/RT	10
98+07	LT/RT	10
99+01	LT/RT	10
100+53	LT/RT	10
102+25	LT/RT	10
103+56	LT/RT	10
104+39	LT/RT	10
105+33	RT	5
105+84	LT/RT	10
106+48	LT/RT	10
107+73	LT/RT	10
108+06	LT/RT	10
109+51	LT/RT	10
110+68	LT/RT	10
111+65	LT/RT	10
111+83	LT/RT	10
112+45	LT/RT	10
113+53	LT/RT	10
115+68	LT/RT	10
116+28	LT/RT	10
117+05	LT/RT	12
117+33	LT	5
118+69	RT	13
TOTALS		**315**

CONCRETE SIDEWALK ITEMS

STATION - STATION	LOCATION	602.0405 CONCRETE SIDEWALK 4-INCH SF
CATEGORY CODE 0010		
73+54	RT	25
74+25	RT	25
74+88	RT	25
82+78	RT	25
85+11	RT	25
86+27	RT	31
88+72	RT	25
95+33	RT	25
95+65	RT	25
97+40	RT	46
98+07	RT	25
99+01	RT	47
100+53	RT	25
102+25	RT	25
103+56	RT	25
104+39	RT	25
105+33	RT	25
105+84	RT	25
106+48	RT	25
107+73	RT	25
108+06	RT	25
109+51	RT	25
110+68	RT	25
111+65	RT	25
111+83	RT	25
112+45	RT	25
113+53	RT	25
115+68	RT	25
116+28	RT	25
117+05	RT	25
118+69	RT	60
TOTALS		**859**

3

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

MISC. SHEET 2

LANDSCAPING ITEMS

STATION - STATION	LOCATION	625.0100 TOPSOIL SY	628.2006 EROSION MAT URBAN CLASS I TYPE A SY	SPV.0030.01 FERTILIZER FOR LAWN TYPE TURF CWT	630.0140 SEED MIX NO. 40 LBS	630.0500 SEED WATER MGAL
CATEGORY CODE 0010						
73+54	LT/RT	11	11	0.01	0.2	0.3
74+25	LT/RT	11	11	0.01	0.2	0.3
74+88	LT/RT	11	11	0.01	0.2	0.3
82+78	LT/RT	11	11	0.01	0.2	0.3
85+11	LT/RT	11	11	0.01	0.2	0.3
86+27	LT/RT	9	9	0.01	0.2	0.2
88+72	LT/RT	8	8	0.01	0.1	0.2
95+33	LT/RT	9	9	0.01	0.2	0.2
95+65	LT/RT	9	9	0.01	0.2	0.2
97+40	LT/RT	7	7	0.01	0.1	0.2
98+07	LT/RT	11	11	0.01	0.2	0.3
99+01	LT/RT	8	8	0.01	0.1	0.2
100+53	LT/RT	11	11	0.01	0.2	0.3
102+25	LT/RT	9	9	0.01	0.2	0.2
103+56	LT/RT	11	11	0.01	0.2	0.3
104+39	LT/RT	8	8	0.01	0.2	0.2
105+33	LT/RT	9	9	0.01	0.2	0.2
105+84	LT/RT	9	9	0.01	0.2	0.2
106+48	LT/RT	9	9	0.01	0.2	0.2
107+73	LT/RT	9	9	0.01	0.2	0.2
108+06	LT/RT	9	9	0.01	0.2	0.2
109+51	LT/RT	9	9	0.01	0.2	0.2
110+68	LT/RT	9	9	0.01	0.2	0.2
111+65	LT/RT	9	9	0.01	0.2	0.2
111+83	LT/RT	9	9	0.01	0.2	0.2
112+45	LT/RT	9	9	0.01	0.2	0.2
113+53	LT/RT	9	9	0.01	0.2	0.2
115+68	LT/RT	8	8	0.01	0.1	0.2
116+28	LT/RT	8	8	0.01	0.1	0.2
117+05	LT/RT	9	9	0.01	0.2	0.2
118+69	LT/RT	15	15	0.01	0.3	0.3
	TOTALS	**294**	**294**	**0.31**	**6**	**7**

WATER SERVICE 3/4-INCH

STATION - STATION	LOCATION	SPV.0090.01 WATER SERVICE 3/4-INCH LF	612.0902.S INSULATION BOARD POLYSTYRENE, 2-INCH SY
CATEGORY CODE 0010			
73+54	RT	48	4
74+25	RT	48	4
74+88	RT	48	4
82+78	RT	48	4
85+11	RT	48	4
86+27	RT	48	4
88+72	RT	48	4
95+33	RT	48	4
95+65	RT	48	4
97+40	RT	48	4
98+07	RT	48	4
99+01	RT	48	4
100+53	RT	48	4
102+25	RT	48	4
103+56	RT	48	4
104+39	RT	48	4
105+33	RT	48	4
105+84	RT	48	4
106+48	RT	48	4
107+73	RT	48	4
108+06	RT	48	4
109+51	RT	48	4
110+68	RT	48	4
111+65	RT	48	4
111+83	RT	48	4
112+45	RT	48	4
113+53	RT	48	4
115+68	RT	48	4
116+28	RT	48	4
117+05	RT	48	4
	TOTAL	**1,440**	**120**

3

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

MISC. SHEET 3

ADJUSTING WATER VALVE BOXES

STATION - STATION	LOCATION	SPV.0060.02 ADJUSTING WATER VALVE BOXES EACH
CATEGORY CODE 0010		
126+08	LT	1
141+16	LT	1
143+90	LT	1
144+46	LT	1
147+74	LT	1
TOTAL		**5**

ADJUSTING SANITARY MANHOLE COVERS

STATION - STATION	LOCATION	SPV.0060.08 ADJUSTING SANITARY MANHOLE COVERS EACH	611.8120.S COVER PLATES TEMPORARY EACH
CATEGORY CODE 0010			
72+42	RT	1	1
74+65	RT	1	1
81+91	RT	1	1
87+71	RT	1	1
90+36	RT	1	1
93+01	RT	1	1
96+96	RT	1	1
TOTAL		**7**	**7**

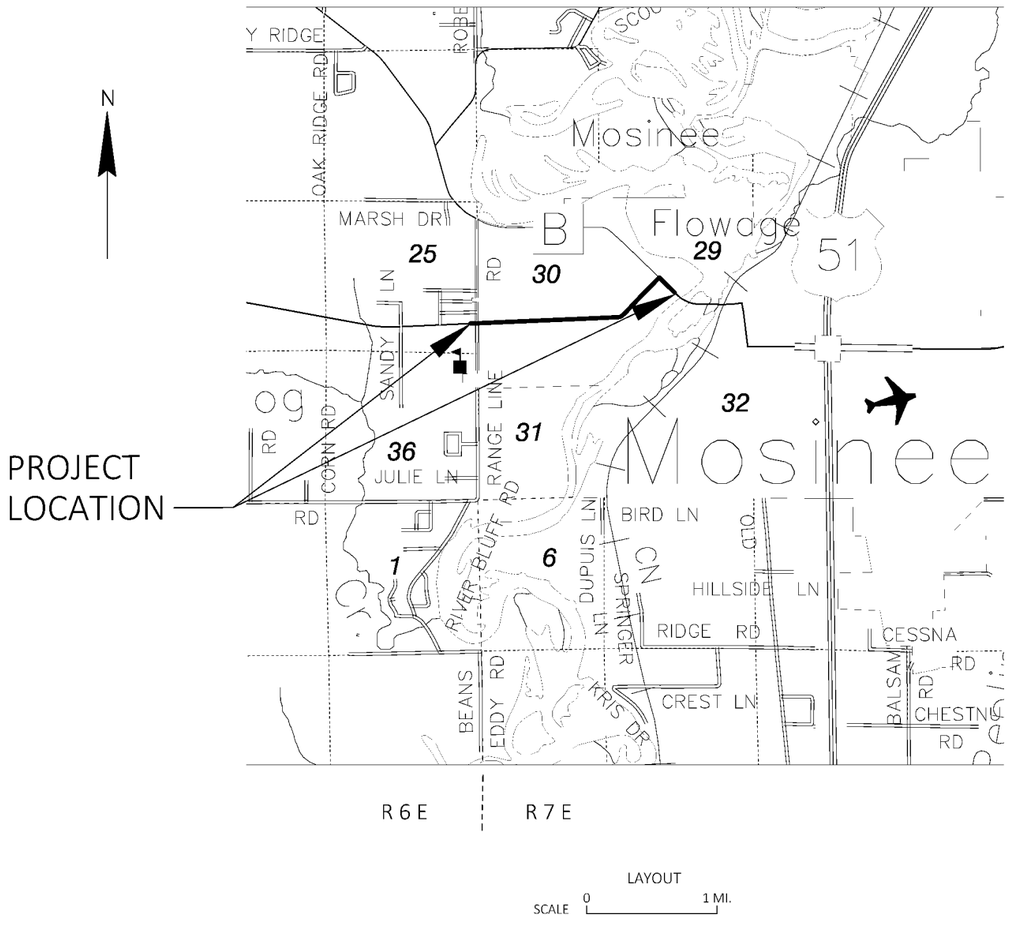
3

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

MISC. SHEET 4



STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PROJECT PLAT TITLE SHEET
PROJECT NO 6370-01-25
CITY OF MOSINEE, STH 153 / WESTERN AVENUE AND 4TH STREET
RANGELINE ROAD TO WISCONSIN RIVER BRIDGE
STH 153
MARATHON COUNTY



LAYOUT
SCALE 0 1 MI.

THE NOTES, CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 6370-01-25.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), MARATHON COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN 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 ¾" 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.

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 LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN THE NC REGION.

PARCEL IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE SCHEDULE OF LANDS & INTERESTS REQUIRED.

INFORMATION FOR THE BASIS OF EXISTING HIGHWAY RIGHT-OF-WAY POINTS OF REFERENCE AND ACCESS CONTROL ARE LISTED ON THE TPP DETAIL PAGES.

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	POINT OF INTERSECTION	PI
ACRES	AC	PROPERTY LINE	PL
AHEAD	AH	RECORDED AS	(100')
ALUMINUM	ALUM	REEL / IMAGE	R/I
AND OTHERS	ET AL	REFERENCE LINE	R/L
BACK	BK	REMAINING	REM
BLOCK	BLK	RESTRICTIVE DEVELOPMENT EASEMENT	RDE
BUILDING	B	RIGHT	RT
CENTERLINE	C/L	RIGHT OF WAY	R/W
CERTIFIED SURVEY MAP	CSM	SECTION	SEC
CONCRETE	CONC	SEPTIC VENT	SEPV
COUNTY	CO	SQUARE FEET	SF
COUNTY TRUNK HIGHWAY	CTH	STATE TRUNK HIGHWAY	STH
DISTANCE	DIST	STATION	STA
CORNER	COR	TELEPHONE PEDESTAL	TP
DOCUMENT NUMBER	DOC	TEMPORARY LIMITED EASEMENT	TLE
EASEMENT	EASE	TRANSPORTATION PROJECT PLAT	TPP
EXISTING	EX	UNITED STATES HIGHWAY	USH
FRACTIONAL	FRL	VOLUME	V
GAS VALVE	GV		
GOVERNMENT LOT	GOV LOT		
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		

CURVE DATA

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 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) W (TYPL)
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

SECTION CORNER SYMBOL
SECTION CORNER MONUMENT
GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
SIGN SIGN
OFF-PREMISE SIGN 01-25 SIGN

R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND IRON PIN (1-INCH UNLESS NOTED) IP .100

	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE	■	▯
TELEPHONE POLE	●	⌀
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)	✖	✖

ACCESS RESTRICTED BY ACQUISITION
NOACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
NOACCESS (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

	NON COMPENSABLE	COMPENSABLE
POWER POLE	▯	■
TELEPHONE POLE	⌀	●
TELEPHONE PEDESTAL	✖	✖
ELECTRIC TOWER	⊠	

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6370-01-25-4.01
SHEET 2 OF 2

FILE NAME : P:\WIDOT\16009 - STH 153\RIGHT OF WAY\CAD\RDSTH153_1-2.DWG
PLOT DATE : 4/29/2019 9:03 AM
6370-01-25-4.01

STATE OF WISCONSIN - MARATHON COUNTY
RECORDED
12-18-2019 at 03:20 PM
DEAN J. STRATZ, REGISTER OF DEEDS
DOC#: 1794528
Pages: 1

*This document has been electronically recorded and returned to: WisDOT - NC Region - Rhinelander / WI Rapic

TRANSPORTATION PROJECT PLAT NO: 6370-01-25-4.01 AMENDMENT NO. 1 REVISES RIGHT-OF-WAY TRAVERSE AND AMENDS PARCELS 1 THRU 4 AND PARCELS 6 THRU 8 TLE AREAS OF TRANSPORTATION PROJECT PLAT 6370-01-25-4.01 RECORDED AS DOCUMENT NO: 1778522.

THAT PART OF PARCEL 1 OF CSM 13444, DOC 1380556 BEING PART OF LOTS 1 AND 2, AND PART OF LOTS 1 AND 2 OF CSM 6950, DOC 0974334 BEING PART OF LOTS 3, 4, AND 5, INCLUDING A VACATED STREET, AND PART OF LOT 6, AND PART OF CSM 7395, DOC 1000157 BEING PART OF LOT 7, ALL IN THE FIFTH PLAT OF JOSEPH HANUS; AND PART OF CSM 9654, DOC 1104801 BEING PART OF LOTS 1 AND 2, AND PART OF LOT 1 OF CSM 12592, DOC 1293282; AND PART OF CSM 1355, DOC 716661 BEING PART OF LOT 6, AND PART OF CSM 245, DOC 01245 BEING PART OF LOT 3, AND PART OF LOT 7, ALL IN THE PLAT OF ANTON KYHOS; LOCATED IN AND INCLUDING PART OF THE S 1/2 OF THE SW FRL, SECTION 30, TOWNSHIP 27 NORTH, RANGE 7 EAST, CITY OF MOSINEE, MARATHON COUNTY, WISCONSIN.

RELOCATION ORDER OF STH 153 CITY OF MOSINEE, STH 153 / WESTERN AVENUE AND 4TH STREET, RANGELINE ROAD TO WISCONSIN RIVER BRIDGE, MARATHON COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN MARATHON COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 1778522.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), MARATHON COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN THE NC REGION.

EXISTING ACCESS CONTROL ALONG STH 153 HAS BEEN ESTABLISHED FROM PREVIOUS PLAT 6370-01-01-4.25.

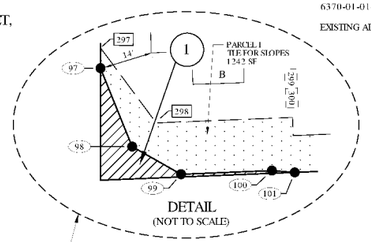
EXISTING ALIGNMENT DIMENSIONS ARE SHOWN AS RECORDED DISTANCES.

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

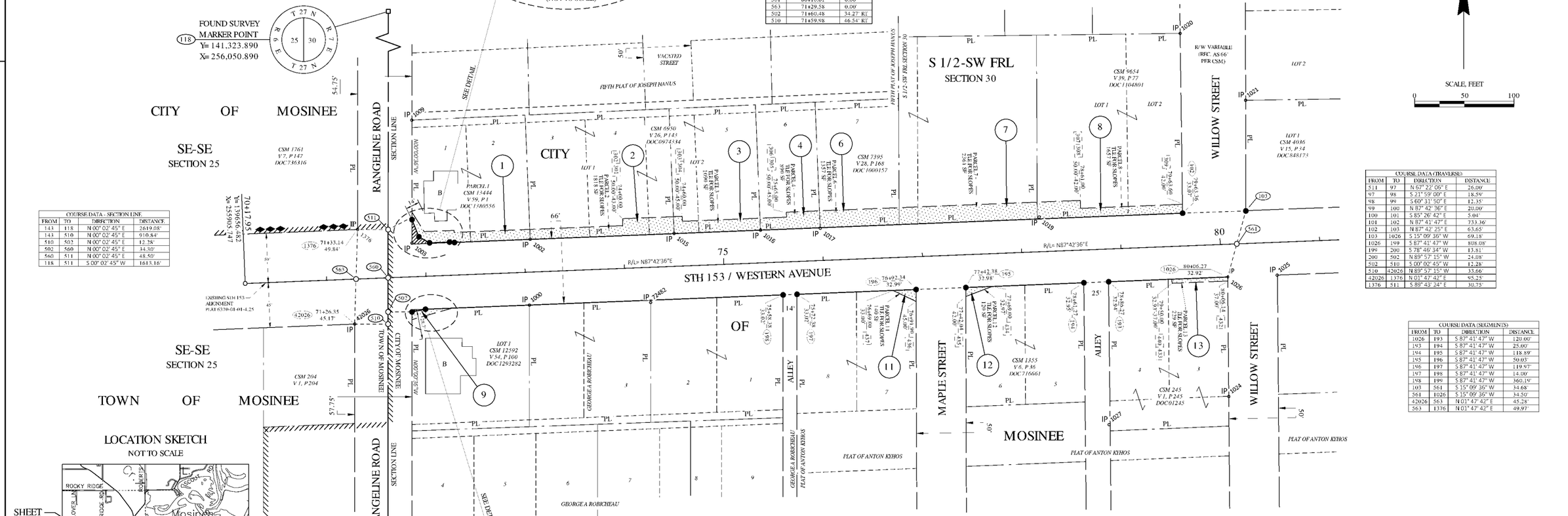
SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SF REQUIRED			TLE SF
			NEW	EXISTING	TOTAL	
1	3 BROKE GIRLS LLC	FEE, TLE	166	-	166	1242
2	LISA K BLASCHKA	TLE	-	-	-	1818
3	VICKI L BARNETT	TLE	-	-	-	1090
4	STEVEN L MASS	TLE	-	-	-	890
6	VIRGINIA M CISEWSKI, LIFE TENANT	TLE	-	-	-	1357
7	EMILY C GRABENSTEIN AND MICHAEL W WHEATON	TLE	-	-	-	2361
8	C&M RENTAL PROPERTIES LLC	TLE	-	-	-	1657
9	ADVANTAGE COMMUNITY BANK	FEE, TLE	15	-	15	186
11	HEIKE REVOCABLE TRUST	TLE	-	-	-	140
12	ALLEN J SHIDELL SR	TLE	-	-	-	120
13	JACK R KAISER JR	TLE	-	-	-	229

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6370-01-25-4.01
AMENDMENT NO. 1



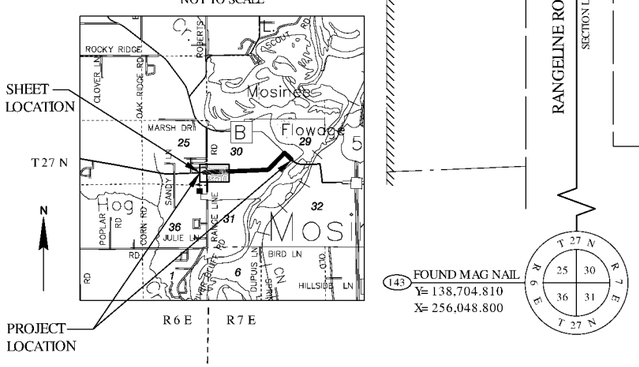
STATION & OFFSET TABLE		
POINT	STATION	OFFSET
297	71+88.54	65.00' LT
298	72+00.00	45.00' LT
299	72+30.00	45.00' LT
300	72+30.00	43.00' LT
97	71+88.24	57.50' LT
98	71+94.50	40.00' LT
99	72+05.00	33.50' LT
100	72+25.00	33.50' LT
101	72+30.00	32.90' LT
103	80+27.01	33.08' LT
511	71+63.86	48.46' LT
560	71+61.88	0.00'
561	80+16.61	0.00'
563	71+29.58	0.00'
502	71+60.48	34.27' RT
510	71+59.98	46.54' RT



COURSE DATA - SECTION LINE			
FROM	TO	DIRECTION	DISTANCE
143	118	N 00° 02' 45" E	2619.08'
143	510	N 00° 02' 45" E	910.84'
510	502	N 00° 02' 45" E	12.28'
502	560	N 00° 02' 45" E	34.30'
560	511	N 00° 02' 45" E	48.80'
118	511	S 00° 02' 45" W	1613.16'

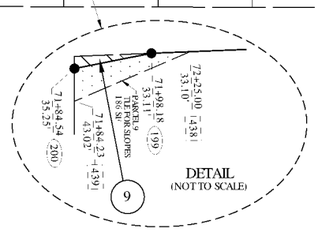
COURSE DATA (TRAVERSE)			
FROM	TO	DIRECTION	DISTANCE
511	97	N 67° 22' 06" E	26.00'
97	98	S 21° 59' 00" E	18.59'
98	99	S 60° 31' 50" E	12.35'
99	100	N 87° 42' 36" E	20.00'
100	101	S 85° 26' 42" E	5.04'
101	102	N 87° 41' 47" E	733.36'
102	103	N 87° 42' 25" E	63.65'
103	1026	S 15° 09' 36" W	69.18'
1026	199	S 87° 41' 47" W	808.08'
199	200	S 78° 46' 34" W	13.81'
200	502	N 89° 57' 15" W	24.08'
502	510	S 00° 02' 45" W	12.28'
510	42026	N 89° 57' 15" W	33.66'
42026	1376	N 01° 47' 42" E	95.25'
1376	511	S 89° 43' 24" E	30.75'

COURSE DATA (SEGMENTS)			
FROM	TO	DIRECTION	DISTANCE
1026	193	S 87° 41' 47" W	120.00'
193	194	S 87° 41' 47" W	25.00'
194	195	S 87° 41' 47" W	118.89'
195	196	S 87° 41' 47" W	50.03'
196	197	S 87° 41' 47" W	119.97'
197	198	S 87° 41' 47" W	14.00'
198	199	S 87° 41' 47" W	360.19'
103	561	S 15° 09' 36" W	34.68'
561	1026	S 15° 09' 36" W	34.50'
42026	563	N 01° 47' 42" E	45.28'
563	1376	N 01° 47' 42" E	49.97'



ROAD NAME	BASIS OF EXISTING R/W	YEAR
STH 153	CSM 13444, VOL.59, P 1, DOC 1380556	2005
RANGELINE RD		
STH 153	PREVIOUS PROJECT TPP 6370-01-01	2004
STH 153	CSM 12592, VOL.54, P 100, DOC 1293282	2002
RANGELINE RD		
STH 153	CSM 9654, VOL.39, P 77, DOC 1104801	1997
STH 153	CSM 7395, VOL.28, P 168, DOC 1000157	1996
STH 153	CSM 6950, VOL.26, P 143, DOC 0974334	1992
WILLOW ST/N	CSM 4036, VOL.15, P 34, DOC 848173	1986
STH 153	CSM 1355, VOL.6, P 36, DOC 716661	1977
STH 153	CSM, VOL.1, P 245	1970
RANGELINE RD	CSM 204, V 1 P 204	1969
STH 153	PREVIOUS PROJECT S 0114)	1952
STH 153	PLAT OF GEORGE A ROBICHEAU	1919
RANGELINE RD		
STH 153	FIFTH PLAT OF JOSEPH HANUS	1918
RANGELINE RD		
STH 153	PLAT OF ANTON KYHOS	1917
MAPLE ST		
ALLEY		
WILLOW ST/S		

RECOVERED MONUMENTS			
POINT	Y	X	DESCRIPTION
1000	139634.810	256191.752	1" IRON PIPE
1002	139701.033	256192.557	3/4" REBAR
1003	139697.217	256073.566	3/4" IRON PIPE LEANING
1009	139820.924	256073.585	30d NAIL
1015	139706.930	256337.112	3/4" REBAR LEANING
1016	139710.266	256424.409	3/4" REBAR
1017	139713.035	256484.450	3/4" REBAR
1019	139723.325	256704.719	1-1/4" IRON PIPE
1020	139908.218	256846.653	1-1/2" IRON PIPE
1021	139840.914	256912.538	1" IRON PIPE
1024	139542.735	256895.585	1" IRON PIPE
1025	139664.870	256944.319	1-1/2" IRON PIPE
1026	139665.083	256894.593	1" IRON PIPE
1027	139514.423	256775.290	2" IRON PIPE
42026	139615.684	256015.870	1" REBAR
72482	139637.331	256311.780	1-1/4" IRON PIPE
1376	139710.883	256018.854	3/4" REBAR



I, NEIL C. BOWE, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Neil C. Bowe DATE: 12/13/19
PRINT NAME: NEIL C. BOWE
REGISTRATION NUMBER: S-2827

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

SIGNATURE: Brent L Stella DATE: 12-18-19
PRINT NAME: BRENT L STELLA

cbs2
770 TECHNOLOGY WAY
CHIPPEWA FALLS, WI 54729

WISCONSIN
NEIL C. BOWE
S-2827
CHIPPEWA FALLS WI
LAND SURVEYOR

STATE OF WISCONSIN - MARATHON COUNTY
RECORDED
05-01-2019 at 02:33 PM
DEAN J. STRATZ, REGISTER OF DEEDS
DOC# **1778522**
Pages: 2

*This document has been electronically recorded and returned to: WisDOT - NC Region - Rhinelander / WI Rapic

TRANSPORTATION PROJECT PLAT NO: 6370-01-25-4.01

LOCATED IN AND INCLUDING PART OF PARCEL 1, CSM 13444, DOC 1380556 BEING PART OF LOTS 1 AND 2, FIFTH PLAT OF JOSEPH HANUS AND PART OF LOTS 1 AND 2, CSM 6950, DOC 974334 BEING PART OF LOTS 3, 4, AND 5, INCLUDING A VACATED STREET, FIFTH PLAT OF JOSEPH HANUS AND PART OF CSM 7395, DOC 1000157 BEING PART OF LOT 7, FIFTH PLAT OF JOSEPH HANUS AND PART OF LOT 6, FIFTH PLAT OF JOSEPH HANUS AND PART OF CSM 1355, DOC 716661 BEING PART OF LOT 6, PLAT OF ANTON KYHOS AND PART OF CSM 245, DOC 01245 BEING PART OF LOT 3, PLAT OF ANTON KYHOS AND PART OF LOT 7, PLAT OF ANTON KYHOS AND LOT 1, CSM 12592, DOC 1293282 AND LOTS 1 AND 2, CSM 9654, DOC 1104801 ALL LOCATED IN AND INCLUDING PART OF THE S 1/2 OF THE SW FRL SECTION 30, TOWNSHIP 27 NORTH, RANGE 7 EAST, CITY OF MOSINEE, MARATHON COUNTY, WISCONSIN.

RELOCATION ORDER OF STH 153 CITY OF MOSINEE, STH 153 / WESTERN AVENUE AND 4TH STREET, RANGELINE ROAD TO WISCONSIN RIVER BRIDGE, MARATHON COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), MARATHON COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN THE NC REGION.

EXISTING ACCESS CONTROL ALONG STH 153 HAS BEEN ESTABLISHED FROM PREVIOUS PLAT 6370-01-01-4.25.

EXISTING ALIGNMENT DIMENSIONS ARE SHOWN AS RECORDED DISTANCES.

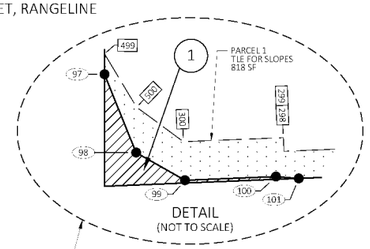
R/W LOCATION TABLE		
POINT	STATION	OFFSET
499	71+88.42	61.99' LT
500	71+95.00	50.00' LT
300	72+05.00	42.00' LT
299	72+27.00	42.00' LT
298	72+27.00	39.00' LT
97	71+88.24	57.50' LT
98	71+94.50	40.00' LT
99	72+05.00	33.50' LT
100	72+25.00	33.50' LT
101	72+30.00	32.90' LT
103	80+27.00	32.80' LT
511	71+63.86	48.46' LT
560	71+61.88	0.00'
561	80+16.65	0.00'
563	71+29.58	0.00'
502	71+60.48	34.27' RT
510	71+59.98	46.54' RT

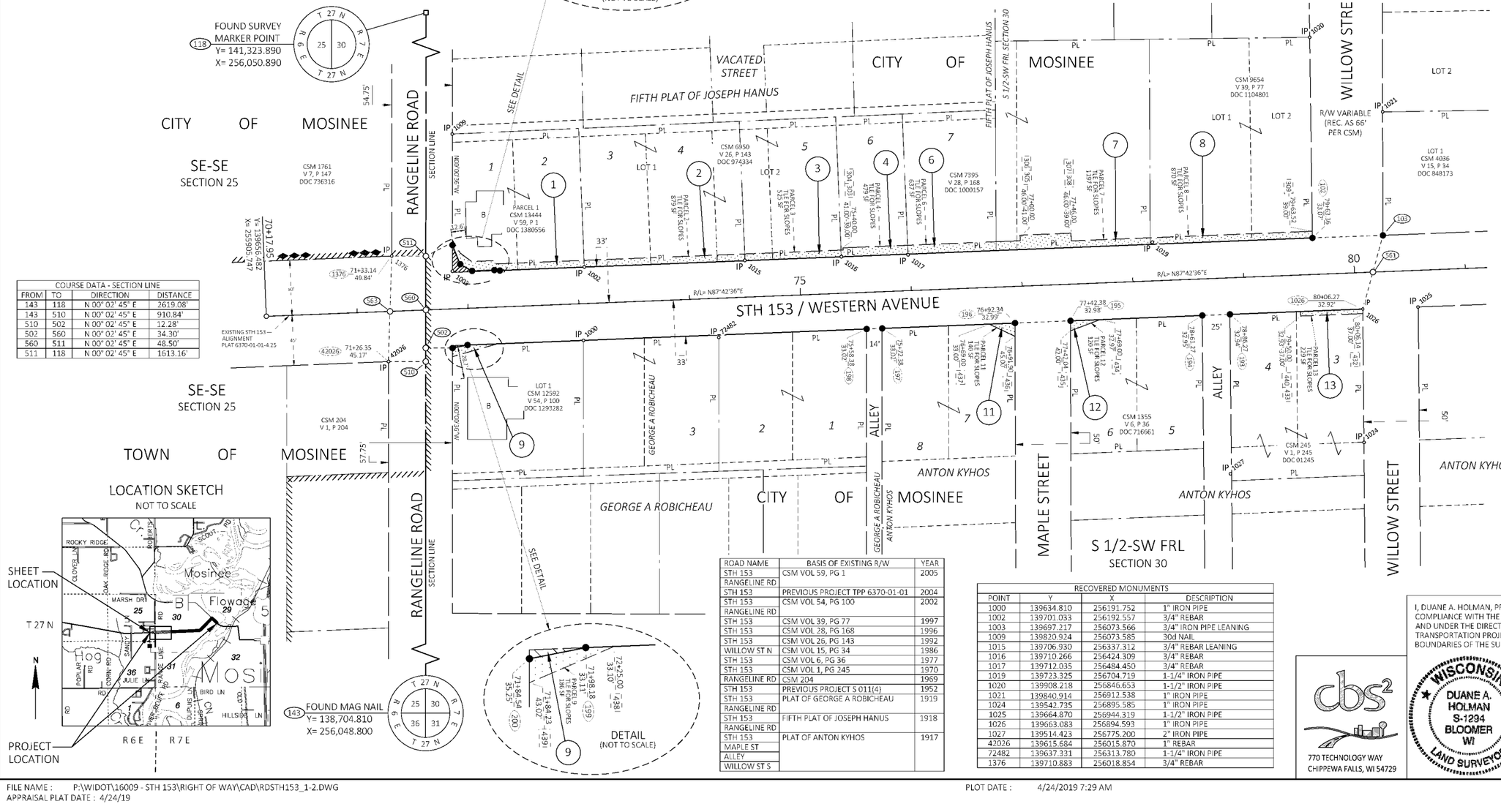
OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SF REQUIRED			TLE SF
			NEW	EXISTING	TOTAL	
1	3 BROKE GIRLS LLC	FEE, TLE	166	-	166	818
2	LISA K BLASCHKA	TLE	-	-	-	879
3	VICKI L BARNETT	TLE	-	-	-	525
4	STEVEN L MASS	TLE	-	-	-	479
6	VIRGINIA M CISEWSKI, LIFE TENANT	TLE	-	-	-	637
7	MICHEAL W WHEATON AND EMILY C GRABENSTEIN	TLE	-	-	-	1197
8	C&M RENTAL PROPERTIES, LLC	TLE	-	-	-	870
9	ADVANTAGE COMMUNITY BANK	FEE, TLE	15	-	15	186
11	HEIKE REVOCABLE TRUST	TLE	-	-	-	140
12	ALLEN J SHIDELL SR	TLE	-	-	-	120
13	JACK R KAISER JR	TLE	-	-	-	229

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6370-01-25-4.01
SHEET 1 OF 2





COURSE DATA (TRAVERSE)			
FROM	TO	DIRECTION	DISTANCE
511	97	N 67° 22' 06" E	26.00'
97	98	S 21° 59' 00" E	18.59'
98	99	S 60° 31' 50" E	12.35'
99	100	N 87° 42' 36" E	20.00'
100	101	S 85° 26' 42" E	5.04'
101	102	S 87° 41' 47" E	733.36'
102	103	N 87° 57' 26" E	63.64'
103	1026	S 15° 13' 15" W	68.91'
1026	199	S 87° 41' 47" W	808.08'
199	200	S 78° 46' 34" W	13.81'
200	502	N 89° 57' 15" W	24.08'
502	510	S 00° 02' 45" W	12.28'
510	42026	N 89° 57' 15" W	33.66'
42026	1376	N 01° 47' 42" E	95.15'
1376	511	S 89° 43' 24" E	30.75'

COURSE DATA (SEGMENTS)			
FROM	TO	DIRECTION	DISTANCE
1026	193	S 87° 41' 47" W	120.00'
193	194	S 87° 41' 47" W	25.00'
194	195	S 87° 41' 47" W	118.89'
195	196	S 87° 41' 47" W	50.03'
196	197	S 87° 41' 47" W	119.97'
197	198	S 87° 41' 47" W	14.00'
198	199	S 87° 41' 47" W	360.19'
103	561	S 15° 13' 15" W	34.39'
561	1026	S 15° 13' 15" W	34.52'
42026	563	N 01° 47' 42" E	45.28'
563	1376	N 01° 47' 42" E	49.97'

COURSE DATA - SECTION LINE			
FROM	TO	DIRECTION	DISTANCE
143	118	N 00° 02' 45" E	2619.08'
143	510	N 00° 02' 45" E	910.84'
510	502	N 00° 02' 45" E	12.28'
502	560	N 00° 02' 45" E	34.30'
560	511	N 00° 02' 45" E	48.50'
511	118	N 00° 02' 45" E	1613.16'

ROAD NAME	BASIS OF EXISTING R/W	YEAR
STH 153	CSM VOL 59, PG 1	2005
RANGELINE RD		
STH 153	PREVIOUS PROJECT TPP 6370-01-01	2004
STH 153	CSM VOL 54, PG 100	2002
RANGELINE RD		
STH 153	CSM VOL 39, PG 77	1997
STH 153	CSM VOL 28, PG 168	1996
STH 153	CSM VOL 26, PG 143	1992
WILLOW ST N	CSM VOL 15, PG 34	1986
STH 153	CSM VOL 6, PG 36	1977
STH 153	CSM VOL 1, PG 245	1970
RANGELINE RD	CSM 204	1969
STH 153	PREVIOUS PROJECT S 011(4)	1952
STH 153	PLAT OF GEORGE A ROBICHEAU	1919
RANGELINE RD		
STH 153	FIFTH PLAT OF JOSEPH HANUS	1918
RANGELINE RD		
STH 153	PLAT OF ANTON KYHOS	1917
MAPLE ST		
ALLEY		
WILLOW ST S		

RECOVERED MONUMENTS			
POINT	Y	X	DESCRIPTION
1000	139634.810	256191.752	1" IRON PIPE
1002	139701.033	256192.557	3/4" REBAR
1003	139697.217	256073.566	3/4" IRON PIPE LEANING
1009	139820.924	256073.585	30d NAIL
1015	139706.930	256337.312	3/4" REBAR LEANING
1016	139710.266	256424.309	3/4" REBAR
1017	139712.035	256484.450	3/4" REBAR
1019	139723.325	256704.719	1-1/4" IRON PIPE
1020	139908.218	256846.653	1-1/2" IRON PIPE
1021	139840.914	256912.538	1" IRON PIPE
1024	139542.735	256895.585	1" IRON PIPE
1025	139664.870	256944.319	1-1/2" IRON PIPE
1026	139663.083	256894.593	1" IRON PIPE
1027	139514.423	256775.200	2" IRON PIPE
42026	139615.684	256015.870	1" REBAR
72482	139637.331	256313.780	1-1/4" IRON PIPE
1376	139710.883	256018.854	3/4" REBAR

cbs2
770 TECHNOLOGY WAY
CHIPPEWA FALLS, WI 54729

I, DUANE A. HOLMAN, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN
DUANE A. HOLMAN
S-1294
BLOOMER
WI
LAND SURVEYOR

SIGNATURE: _____ DATE: 4/24/19
PRINT NAME: DUANE A. HOLMAN
REGISTRATION NUMBER: S-1294

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

SIGNATURE: Brent L Stella DATE: 4/24/19
PRINT NAME: BRENT L. STELLA

FILE NAME : P:\WIDOT\16009 - STH 153\RIGHT OF WAY\CAD\RDSTH153_1-2.DWG
APPRAISAL PLAT DATE : 4/24/19
PLOT DATE : 4/24/2019 7:29 AM
WISDOT 6370-01-25-4.01

STATE OF WISCONSIN - MARATHON COUNTY
RECORDED
12-18-2019 at 03:20 PM
DEAN J. STRATZ, REGISTER OF DEEDS
DOC#: **1794529**
Pages: 1

*This document has been electronically recorded and returned to: WisDOT - NC Region - Rhinelander / WI Rapic

TRANSPORTATION PROJECT PLAT NO: 6370-01-25-4.02

THAT PART OF LOT 1 OF CSM 4036, DOC 848173; AND PART OF LOTS 1 THRU 5 OF CSM 2303, DOC 757914 BEING LOTS 1 THRU 5, AND PART OF LOTS 6 AND 7, ALL IN HAHNS' SUBDIVISION; AND PART OF LOT 3 OF CSM 978, DOC 694443; AND PART OF LOT 1 OF CSM 9253, DOC 1083051 BEING PART OF LOTS 35 AND 36, AND PART OF LOTS 33 AND 34, ALL IN THE THIRD PLAT OF JOSEPH HANUS; AND PART OF LOT 2 OF THE PLAT OF ANTON KYHOS; AND PART OF LOTS 9 THRU 11 OF HAHNS' SUBDIVISION; AND PART OF LOTS 2 AND 3 OF THE PLAT OF JOSEPH HANUS; LOCATED IN AND INCLUDING PART OF THE S 1/2 OF THE SW FRL; AND PART OF LOT 1 OF CSM 7683, DOC 1010656 BEING PART OF LOT 19 OF THE SECOND PLAT OF JOSEPH HANUS; LOCATED IN AND INCLUDING PART OF THE SW 1/4 OF THE SE 1/4; ALL IN SECTION 30, TOWNSHIP 27 NORTH, RANGE 7 EAST, CITY OF MOSINEE, MARATHON COUNTY, WISCONSIN.

RELOCATION ORDER OF STH 153 CITY OF MOSINEE, STH 153 / WESTERN AVENUE AND 4TH STREET, RANGELINE ROAD TO WISCONSIN RIVER BRIDGE, MARATHON COUNTY

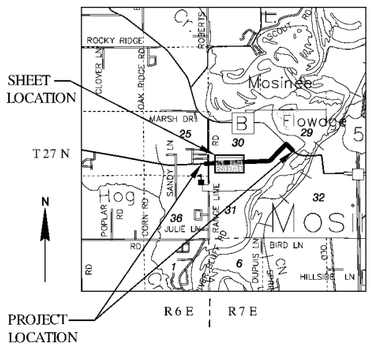
TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

LOCATION SKETCH

NOT TO SCALE

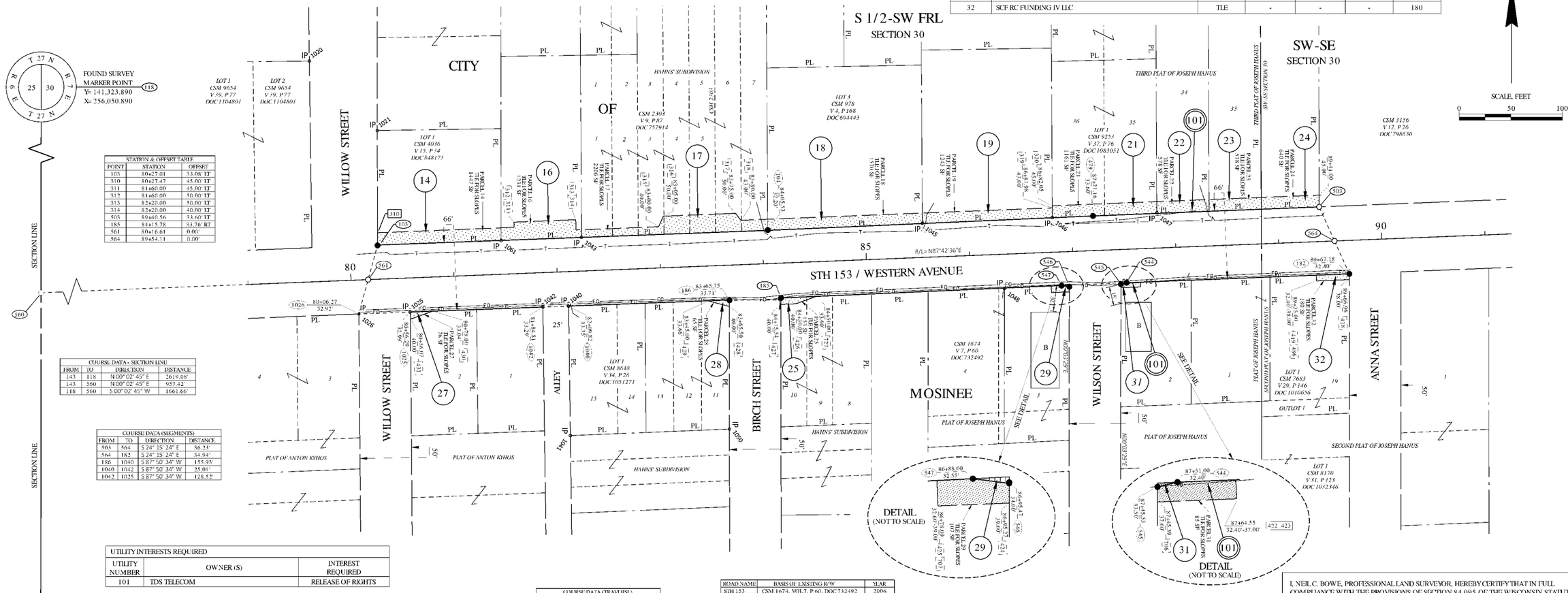


OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SF REQUIRED			TLE SF
			NEW	EXISTING	TOTAL	
14	RODNEY KENNETH SCHREIBER LIVING TRUST	TLE	-	-	-	1447
16	ANNA PECHA, LIFE TENANT AND THOMAS A PECHA AND KAREN A JURGELLA, TENANTS IN COMMON	TLE	-	-	-	1231
17	LIETZ INVESTMENT LLC	TLE	-	-	-	2206
18	CHRISTOPHER BOHN	TLE	-	-	-	1570
19	SHADD C HENKELMAN	TLE	-	-	-	1243
21	RYAN A AND CHRISTIE J ERICKSON	TLE	-	-	-	1161
22	ISAAC A TROSETH	TLE	-	-	-	578
23	RICKY ERIK BRAENNE	TLE	-	-	-	578
24	ALICE C HESSEY	TLE	-	-	-	640
25	ANTHONY L BROWN	TLE	-	-	-	153
27	JOHN M JANKOWSKI	TLE	-	-	-	76
28	KURT AND RENEE M PIOTROWSKI	TLE	-	-	-	65
29	MARK W AND MARJORY L PRAZUCH, TRUSTEES	FEE, TLE	6	-	6	107
31	PRAZUCH REVOCABLE TRUST	FEE, TLE	3	-	3	85
32	SCF RC FUNDING IV LLC	TLE	-	-	-	180

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6370-01-25-4.02



STATION & OFFSET TABLE		
POINT	STATION	OFFSET
103	80+27.01	33.08' LT
310	80+27.47	45.00' LT
311	81+60.00	45.00' LT
312	81+60.00	50.00' LT
313	82+20.00	50.00' LT
314	82+20.00	40.00' LT
503	89+40.56	33.60' LT
185	84+15.78	33.76' RT
561	80+16.61	0.00'
564	89+54.11	0.00'

COURSE DATA - SECTION LINE			
FROM	TO	DIRECTION	DISTANCE
143	118	N 00° 02' 45" E	2619.08'
143	560	N 00° 02' 45" E	957.42'
118	560	S 00° 02' 45" W	1661.66'

COURSE DATA (SEGMENTS)			
FROM	TO	DIRECTION	DISTANCE
503	564	S 24° 15' 24" E	36.23'
564	183	S 24° 15' 24" E	34.94'
186	1040	S 87° 50' 34" W	155.93'
1040	1042	S 87° 50' 34" W	35.01'
1042	1035	S 87° 50' 34" W	128.52'

UTILITY INTERESTS REQUIRED		
UTILITY NUMBER	OWNER (S)	INTEREST REQUIRED
101	TDS TELECOM	RELEASE OF RIGHTS

101 TDS TELECOM
NO EASEMENT OF RECORD - PARCELS 22, 31

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET. RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN MARATHON COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 1778522.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), MARATHON COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN THE NC REGION.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING ALIGNMENT DIMENSIONS ARE SHOWN AS RECORDED DISTANCES.

COURSE DATA (TRAVERSE)			
FROM	TO	DIRECTION	DISTANCE
560	561	N 87° 42' 36" E	854.74'
561	103	N 15° 09' 36" E	34.67'
103	104	N 87° 50' 34" E	378.52'
104	479	N 87° 27' 23" E	315.63'
479	503	N 87° 42' 36" E	219.40'
503	182	S 24° 15' 24" E	71.17'
182	544	S 87° 42' 36" W	216.18'
544	545	S 76° 22' 10" W	5.58'
545	546	S 87° 08' 16" W	50.07'
546	547	N 81° 18' 43" W	7.61'
547	185	S 87° 27' 23" W	272.22'
185	186	S 87° 45' 51" W	50.04'
186	1025	S 87° 50' 34" W	309.46'
1035	1026	S 87° 47' 45" W	50.03'
1026	561	N 15° 09' 36" E	34.50'

ROAD NAME	BASIS OF EXISTING R/W	YEAR
STH 153	CSM 1674, VOL 7, P 60, DOC 732492	2006
WILLOW ST	CSM 9654, VOL 59, P 77, DOC 1104801	1997
STH 153	CSM 9253, VOL 37, P 76, DOC 1083051	1996
STH 153	CSM 8648, VOL 84, P 26, DOC 1051271	1995
STH 153	CSM 4036, VOL 15, P 34, DOC 848173	1986
STH 153	CSM 3156, VOL 12, P 26, DOC 798650	1982
STH 153	CSM 2303, VOL 9, P 87, DOC 757914	1979
STH 153	CSM 978, VOL 4, P 168, DOC 694443	1976
STH 153	CSM 7683, VOL 29, P 146, DOC 1010656	1976
STH 153	HAHNS' SUBDIVISION	1921
BIRCH ST		
STH 153	THIRD PLAT OF JOSEPH HANUS	1917
WILSON ST		
ANNA ST		
STH 153	PLAT OF ANTON KYHOS	1917
WILLOW ST		
STH 153	SECOND PLAT OF JOSEPH HANUS	1915
STH 153	PLAT OF JOSEPH HANUS	1912
WILSON ST		

RECOVERED MONUMENTS			
POINT	Y	X	DESCRIPTION
1020	139908.218	256846.634	1" IRON PIPE
1021	139840.914	256913.538	1" IRON PIPE
1025	139665.006	356944.579	1" IRON PIPE
1026	139663.083	256894.593	1" IRON PIPE
1040	139670.661	257089.001	3/4" IRON PIPE
1041	139545.228	257099.702	3/4" REBAR
1042	139669.714	257073.025	3/4" IRON PIPE
1043	139737.455	257110.474	1-1/2" REBAR
1045	139751.007	257440.786	1-1/4" IRON PIPE
1046	139756.528	257566.780	1-1/2" IRON PIPE
1047	139761.115	257668.107	3/4" REBAR
1048	139687.708	257520.394	1-1/4" IRON PIPE
1050	139551.557	257253.889	1-1/2" IRON PIPE
1061	139734.287	257032.592	1" IRON PIPE

cbs2
770 TECHNOLOGY WAY
CHIPPEWA FALLS, WI 54729

I, NEIL C. BOWE, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN NEIL C. BOWE S-2827 CHIPPEWA FALLS WI LAND SURVEYOR

SIGNATURE: Neil C. Bowe DATE: 12/13/19
PRINT NAME: NEIL C. BOWE
REGISTRATION NUMBER: S-2827

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

SIGNATURE: Brent L. Stella DATE: 12-18-19
PRINT NAME: BRENT L. STELLA

FILE NAME: P:\WIDOT\16009 - STH 153\RIGHT OF WAY\CAD\040101-RP.DWG
APPRAISAL PLAT DATE: 12/13/19
PLOT DATE: 12/17/2019 12:01 PM
WISDOT 6370-01-25-4.02

STATE OF WISCONSIN - MARATHON COUNTY
RECORDED
12-18-2019 at 03:21 PM
DEAN J. STRATZ, REGISTER OF DEEDS
DOC#: 1794530
Pages: 1

*This document has been electronically recorded and returned to: WisDOT - NC Region - Rhinelander / WI Rapic

TRANSPORTATION PROJECT PLAT NO: 6370-01-25-4.03

THAT PART OF CSM 3156, DOC 798650; AND PART OF CSM 4663, DOC 879522; AND PART OF LOT 1 OF THE SECOND PLAT OF JOSEPH HANUS; AND PART OF LOT 2 OF CSM 3715, DOC 830178; AND PART OF LOT 1 OF CSM 14944, DOC 1488613; AND PART OF LOT 1, BLOCK 1, ASSESSOR'S PLAT NO 1; LOCATED IN AND INCLUDING PART OF THE SW 1/4 OF THE SE 1/4, ALL IN SECTION 30, TOWNSHIP 27 NORTH, RANGE 7 EAST, CITY OF MOSINEE, MARATHON COUNTY, WISCONSIN.

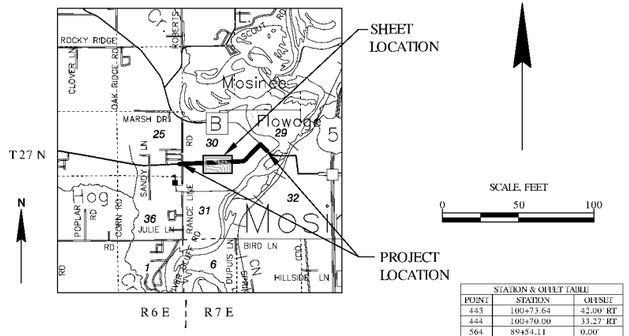
RELOCATION ORDER OF STH 153 CITY OF MOSINEE, STH 153 / WESTERN AVENUE AND 4TH STREET, RANGELINE ROAD TO WISCONSIN RIVER BRIDGE, MARATHON COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

LOCATION SKETCH
NOT TO SCALE



STATION & OFFSET TABLE		
POINT	STATION	OFFSET
443	100+73.64	42.00' RT
444	100+70.00	33.27' RT
564	89+54.11	0.00'
503	89+40.56	33.60' LT
504	101+17.42	32.67' LT
565	101+16.05	0.00'
566	115+22.67	0.00'
280	93+35.71	60.00' LT
281	93+39.92	60.00' LT

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

SCHEDULE OF LANDS & INTERESTS REQUIRED

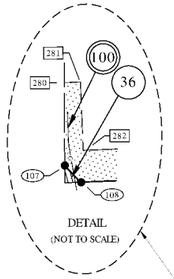
PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SF REQUIRED			TLE SF
			NEW	EXISTING	TOTAL	
33	MOSINEE PAPER CREDIT UNION	TLE	-	-	-	2258
34	SC SWIDERSKI LLC	TLE	-	-	-	1552
36	PEPLIN PROPERTIES LLC	FEE, TLE	10	-	10	498
37	NELSON E PASHA JR	TLE	-	-	-	848
38	WOODWARD AUCTION APPRAISAL & REAL ESTATE INC	TLE	-	-	-	1678
39	ROBERT W POPE DVM AND MARJORIE MAE POPE TENANTS IN COMMON	TLE	-	-	-	585
41	LOKRE PREFERRED 1 A LLC	TLE	-	-	-	819
42	NORRINGTON PROPERTIES LLC	TLE	-	-	-	2044
43	BADGER ESTATES LLC	TLE	-	-	-	610
44	MICHAEL MARQUARD	TLE	-	-	-	973
46	JENNIFER L CAREY	FEE, TLE	9	-	9	196
47	HARRY J AND COLLEEN B WILKE	TLE	-	-	-	52
48	JAMROZ RENTAL LLC	TLE	-	-	-	109
49	RICHARD M AND KALIE E CANALES	FEE, TLE	17	-	17	230

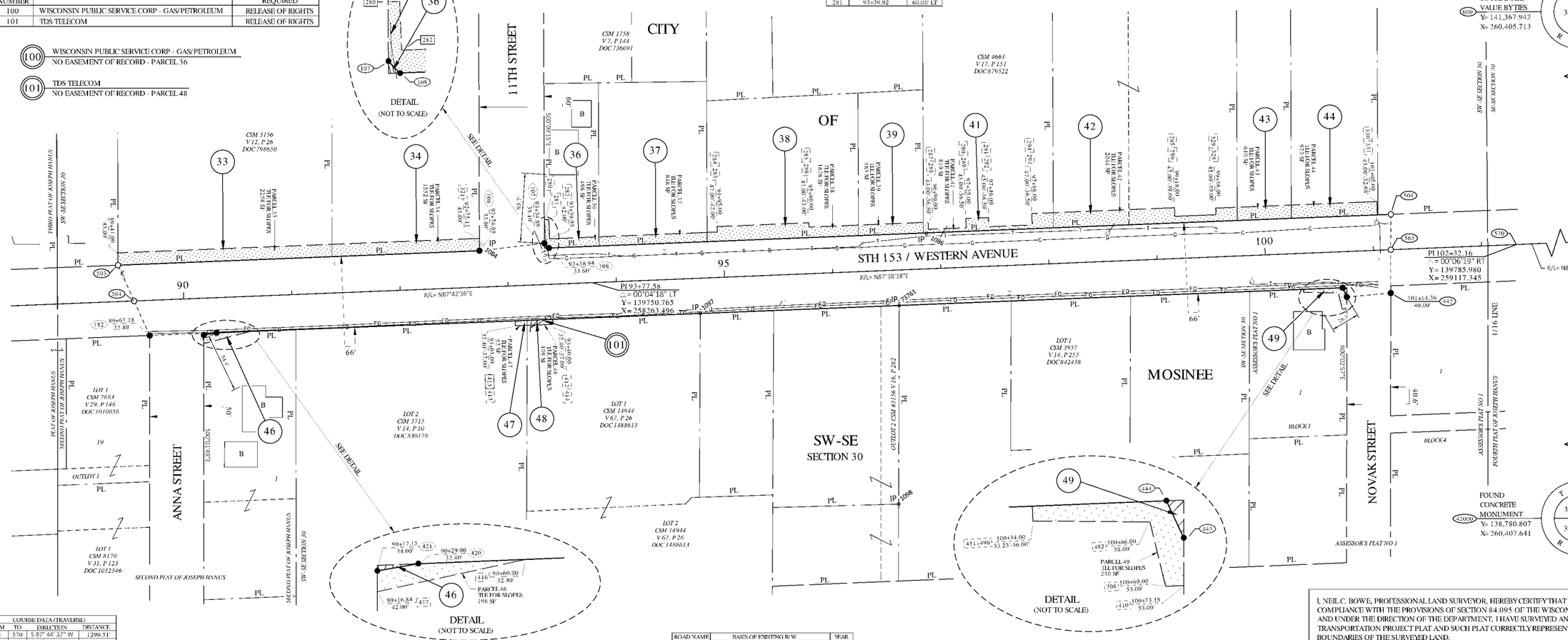
RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6370-01-25-4.03

UTILITY INTERESTS REQUIRED		
UTILITY NUMBER	OWNER (S)	INTEREST REQUIRED
100	WISCONSIN PUBLIC SERVICE CORP - GAS/PETROLEUM	RELEASE OF RIGHTS
101	TDS TELECOM	RELEASE OF RIGHTS

(100) WISCONSIN PUBLIC SERVICE CORP - GAS/PETROLEUM
NO EASEMENT OF RECORD - PARCEL 36

(101) TDS TELECOM
NO EASEMENT OF RECORD - PARCEL 48





COURSE DATA (TRAVERSE)			
FROM	TO	DIRECTION	DISTANCE
566	570	S 87° 44' 37" W	1290.51'
570	565	S 87° 38' 18" W	116.11'
565	442	S 00° 02' 57" W	40.03'
442	443	S 84° 49' 35" W	40.77'
443	444	N 25° 00' 18" W	9.46'
444	420	S 87° 42' 36" W	1041.04'
420	421	S 80° 02' 13" W	11.95'
421	182	S 89° 52' 22" W	50.00'
182	503	N 24° 15' 24" W	71.17'
503	106	N 87° 42' 36" E	334.12'
106	107	N 83° 26' 01" E	60.38'
107	108	S 44° 15' 16" E	6.05'
108	504	N 87° 42' 36" E	778.44'
504	565	S 00° 02' 57" W	32.70'

COURSE DATA (SEGMENTS)			
FROM	TO	DIRECTION	DISTANCE
182	564	N 24° 15' 24" W	34.94'
564	503	N 24° 15' 24" W	36.23'

COURSE DATA - SECTION LINE			
FROM	TO	DIRECTION	DISTANCE
600	42000	S 00° 02' 34" E	2587.14'
600	566	S 00° 02' 34" E	1531.16'
566	42000	S 00° 02' 34" E	1055.98'

RECOVERED MONUMENTS			
POINT	Y	X	DESCRIPTION
1084	139786.470	258161.449	3/4" REBAR
1086	139796.310	258572.358	2" IRON PIPE
1097	139723.445	258363.453	1" IRON PIPE LEANING
1098	139546.195	258546.688	3/4" REBAR
73761	139729.694	258547.166	3/4" REBAR

ROAD NAME	BASIS OF EXISTING R/W	YEAR
STH 153	CSM 14944, VOL 67, P 26, DOC 1488613	2007
STH 153	CSM 4663, VOL 17, P 151, DOC 879522	1987
STH 153	CSM 3715, VOL 14, P 10, DOC 830178	1985
ANNA ST		
STH 153	CSM 3957, VOL 14, P 255, DOC 842438	1985
STH 153	CSM 3156, VOL 12, P 26, DOC 798650	1982
11TH ST		
11TH ST	CSM 1758, VOL 7, P 144, DOC 736091	1978
STH 153	SECOND PLAT OF JOSEPH HANUS	1915
ANNA ST		
STH 153	ASSESSOR'S PLAT NO 1	1915
NOVAK ST		

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN MARATHON COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 1778522.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), MARATHON COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOR THE LATEST ACCESS/ DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN THE NC REGION.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ⅝" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING ALIGNMENT DIMENSIONS ARE SHOWN AS RECORDED DISTANCES.

cbs2
770 TECHNOLOGY WAY
CHIPPEWA FALLS, WI 54729

I, NEIL C. BOWE, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN NEIL C. BOWE S-2827 CHIPPEWA FALLS WI LAND SURVEYOR

SIGNATURE: Neil C. Bowe DATE: 12/13/19
PRINT NAME: NEIL C. BOWE
REGISTRATION NUMBER: S-2827

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

SIGNATURE: Brent L Stella DATE: 12-18-19
PRINT NAME: BRENT L. STELLA

FILE NAME: P:\WIDOT\16009 - STH 153\RIGHT OF WAY\CAD\040102-RP.DWG
APPRAISAL PLAT DATE: 12/13/19
PLOT DATE: 12/17/2019 12:02 PM
WISDOT 6370-01-25-4.03

STATE OF WISCONSIN - MARATHON COUNTY
RECORDED
12-18-2019 at 03:21 PM
DEAN J. STRATZ, REGISTER OF DEEDS
DOC#: **1794531**
Pages: 1

*This document has been electronically recorded and returned to: WisDOT - NC Region - Rhinelander / WI Rapic

TRANSPORTATION PROJECT PLAT NO: 6370-01-25-4.04

THAT PART OF LOTS 3, 5, 15 AND 17, BLOCK 1, AND PART OF LOT 1, BLOCK 2, AND PART OF LOTS 1 AND 6, BLOCK 3, AND PART OF LOTS 1 AND 6, BLOCK 4, AND PART OF LOT 3, BLOCK 5, ALL IN IN THE FOURTH PLAT OF JOSEPH HANUS; LOCATED IN THE SE 1/4 OF THE SE 1/4; AND PART OF LOT 1, BLOCK 4, ASSESSOR'S PLAT NO 1, LOCATED IN THE SW 1/4 OF THE SE 1/4, ALL IN SECTION 30, TOWNSHIP 27 NORTH, RANGE 7 EAST, CITY OF MOSINEE, MARATHON COUNTY, WISCONSIN.

RELOCATION ORDER OF STH 153 CITY OF MOSINEE, STH 153 / WESTERN AVENUE AND 4TH STREET, RANGELINE ROAD TO WISCONSIN RIVER BRIDGE, MARATHON COUNTY

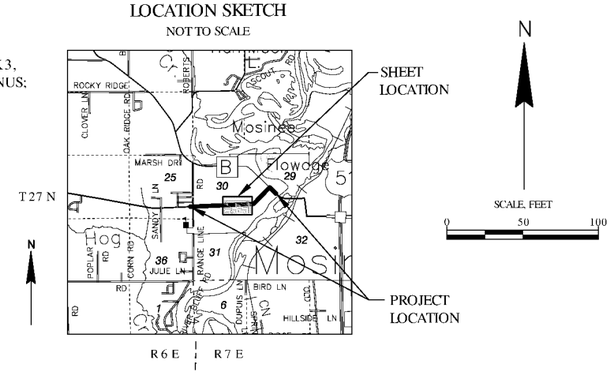
TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

LOCATION SKETCH

NOT TO SCALE



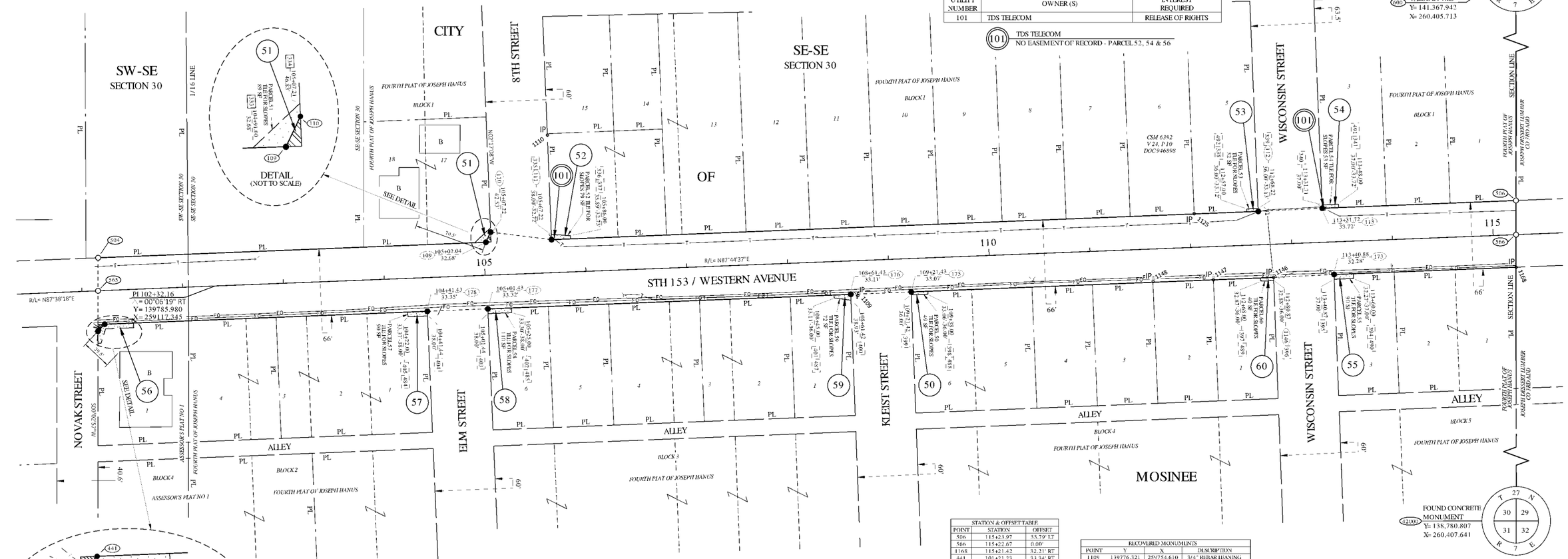
OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SF REQUIRED			TLE SF
			NEW	EXISTING	TOTAL	
50	BADGER ESTATES LLC	TLE	-	-	-	49
51	LARRY M AND THERESA R HELBACH REVOCABLE TRUST	FEE,TLE	25	-	25	89
52	DOUBLE DOT PROPERTIES LLC	TLE	-	-	-	79
53	PAUL A AND LISA J HAAG	TLE	-	-	-	32
54	LYNETTE GAEDTKE	TLE	-	-	-	53
55	BADGER ESTATES LLC	TLE	-	-	-	90
56	ARIETTA V WALLOCH	FEE, TLE	22	-	22	218
57	MCL INCOME TRUST AND SKL INCOME TRUST	TLE	-	-	-	90
58	GARY L AND CAROL A SCHMIDT	TLE	-	-	-	110
59	GERALD R MORRIS	TLE	-	-	-	72
60	DOUGLAS MARK SPINDLER	TLE	-	-	-	40

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6370-01-25-4.04

UTILITY INTERESTS REQUIRED		
UTILITY NUMBER	OWNER (S)	INTEREST REQUIRED
101	TDS TELECOM	RELEASE OF RIGHTS



COURSE DATA (TRAVERSE)			
FROM	TO	DIRECTION	DISTANCE
506	1168	S 00° 02' 34" E	66.05'
1168	173	S 87° 43' 17" W	180.54'
173	1146	S 87° 11' 15" W	60.00'
1146	441	S 87° 42' 36" W	1159.58'
441	442	S 43° 31' 33" W	9.57'
442	504	N 00° 02' 57" E	72.73'
504	109	N 87° 42' 36" E	384.68'
109	110	N 25° 26' 17" E	11.13'
110	111	S 82° 58' 05" E	60.80'
111	112	N 87° 42' 36" E	704.00'
112	113	N 87° 12' 53" E	63.50'
113	506	N 87° 43' 17" E	192.25'

COURSE DATA (SEGMENTS)			
FROM	TO	DIRECTION	DISTANCE
1146	175	S 87° 42' 36" W	359.45'
175	176	S 87° 42' 36" W	60.00'
176	177	S 87° 42' 36" W	360.00'
177	178	S 87° 42' 36" W	60.00'
178	441	S 87° 42' 36" W	320.13'
442	565	N 00° 02' 57" E	40.03'
565	504	N 00° 02' 57" E	32.70'

ROAD NAME	BASIS OF EXISTING R/W	YEAR
STH 153	CSM 6392, VOL 24, P 10, DOC 946898	1991
STH 153	ASSESSOR'S PLAT NO 1	1915
NOVAK ST	FOURTH PLAT OF JOSEPH HANUS	1915
SUM 153		
ELM ST		
8TH ST		
KLEIST ST		
WISCONSIN ST		

COURSE DATA - SECTION LINE			
FROM	TO	DIRECTION	DISTANCE
600	42000	S 00° 02' 34" E	2587.14'
600	506	S 00° 02' 34" E	1497.34'
506	566	S 00° 02' 34" E	33.83'
566	1168	S 00° 02' 34" E	32.23'
1168	42000	S 00° 02' 34" E	1023.75'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
506	115+23.97	33.79' LT
566	115+22.67	0.00'
1168	115+21.42	32.21' RT
441	101+21.23	33.34' RT
442	101+14.36	40.00' RT
406	101+50.00	33.37' RT
483	101+50.00	38.00' RT
407	101+22.00	38.00' RT
408	101+17.00	52.00' RT
409	101+13.86	52.00' RT
565	101+16.05	0.00'
504	101+17.42	32.67' LT

RECOVERED MONUMENTS			
POINT	Y	X	DESCRIPTION
1109	139776.321	259754.610	3/4" REBAR LEANING
1110	139935.420	259446.728	1" IRON PIPE
1125	139857.547	260087.823	3/4" REBAR
1146	139794.433	260166.545	1" REBAR
1147	139792.034	260406.880	1-1/4" IRON PIPE
1148	139790.324	260047.167	1" IRON PIPE
1168	139804.555	260406.878	1-1/2" IRON PIPE

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN MARATHON COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 1778522.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), MARATHON COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES. GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN THE NC REGION.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING ALIGNMENT DIMENSIONS ARE SHOWN AS RECORDED DISTANCES.

cbs2
770 TECHNOLOGY WAY
CHIPPEWA FALLS, WI 54729

I, NEIL C. BOWE, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN
NEIL C. BOWE
S-2827
CHIPPEWA FALLS
WI
LAND SURVEYOR

SIGNATURE: Neil C. Bowe DATE: 12/13/19
PRINT NAME: NEIL C. BOWE
REGISTRATION NUMBER: S-2827

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

SIGNATURE: Brent L Stella DATE: 12-18-19
PRINT NAME: BRENT L STELLA

STATE OF WISCONSIN - MARATHON COUNTY
RECORDED
12-18-2019 at 03:21 PM
DEAN J. STRATZ, REGISTER OF DEEDS
DOC#: 1794532
Pages: 1

*This document has been electronically recorded and returned to: WisDOT - NC Region - Rhinelander / WI Rapic

TRANSPORTATION PROJECT PLAT NO: 6370-01-25-4.05

THAT PART OF LOT 4, BLOCK 3, AND PART OF LOT 4, BLOCK 1, AND PART OF LOT 1, BLOCK 2, ALL IN JOS DESSERT LUMBER COMPANY THIRD ADDITION; AND PART OF LOTS 1 AND 5, WF LA DU'S TRIANGLE ADDITION TO MOSINEE; AND PART OF LOT 14, BLOCK 9, ORIGINAL PLAN OF MOSINEE; LOCATED IN GOVERNMENT LOT 4, AND PART OF LOT 7, BLOCK 18, AND PART OF LOT 8, BLOCK 9 OF THE ORIGINAL PLAN OF MOSINEE, LOCATED IN THE NW 1/4 OF THE SW 1/4, ALL IN SECTION 29, TOWNSHIP 27 NORTH, RANGE 7 EAST, CITY OF MOSINEE, MARATHON COUNTY, WISCONSIN.

RELOCATION ORDER OF STH 153 CITY OF MOSINEE, STH 153 / WESTERN AVENUE AND 4TH STREET, RANGELINE ROAD TO WISCONSIN RIVER BRIDGE, MARATHON COUNTY

TO PROPERLY ESTABLISH, LAYOUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

COURSE DATA (TRAVERSE)			
FROM	TO	DIRECTION	DISTANCE
506	116	N 87° 43' 17" E	580.83'
116	117	N 77° 13' 48" E	71.27'
117	518	N 56° 44' 47" E	37.95'
518	42001	N 46° 39' 34" E	22.85'
42001	119	S 46° 04' 53" E	0.50'
119	120	N 44° 39' 36" E	359.54'
120	168	S 45° 26' 07" E	60.00'
168	169	S 44° 30' 36" W	419.34'
169	170	S 46° 14' 40" W	60.02'
170	171	N 84° 10' 55" W	76.45'
171	172	N 67° 31' 23" W	1.81'
172	1168	S 87° 43' 17" W	578.97'
1168	506	N 00° 02' 34" W	66.05'

COURSE DATA (SEGMENTS)			
FROM	TO	DIRECTION	DISTANCE
506	1167	N 87° 43' 17" E	165.97'
1167	115	N 87° 43' 17" E	87.53'
115	116	N 87° 43' 17" E	327.33'
120	567	S 45° 26' 07" E	39.92'
567	168	S 45° 26' 07" E	30.08'

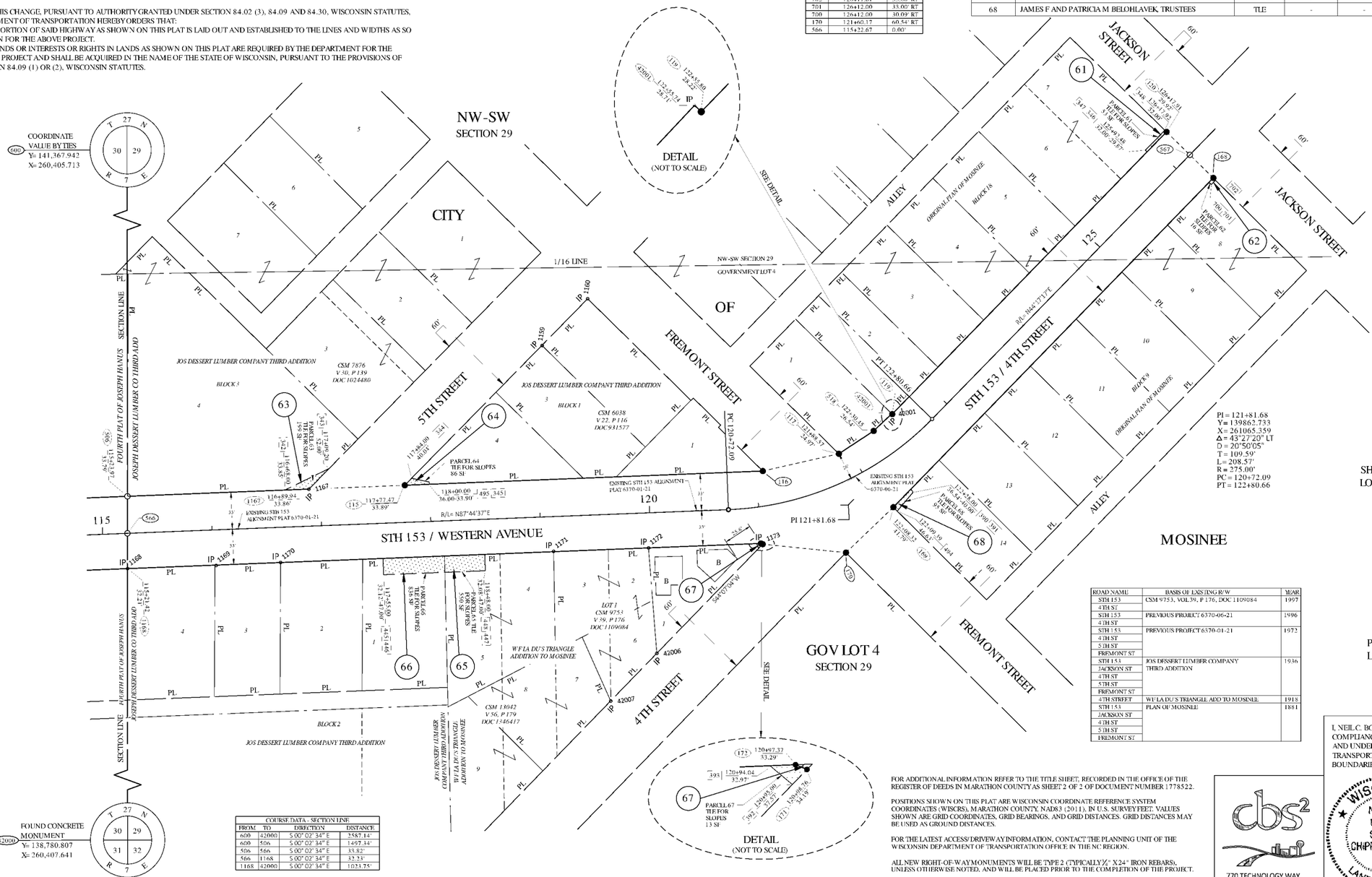
STATION & OFFSET TABLE		
POINT	STATION	OFFSET
116	121+09.19	31.81' LT
567	126+17.77	0.00'
168	126+17.62	30.08' RT
702	126+17.61	33.00' RT
701	126+12.00	33.00' RT
700	126+12.00	30.09' RT
170	121+60.17	60.54' RT
566	115+22.67	0.00'

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

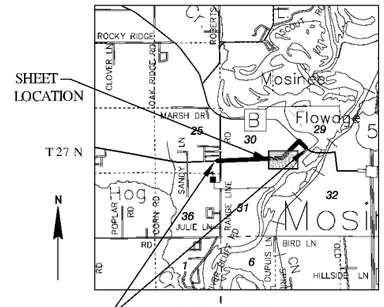
SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SF REQUIRED			TLE SF
			NEW	EXISTING	TOTAL	
61	BADGER ESTATES LLC	TLE	-	-	-	53
62	MARK W AND MARJORY L PRAZUCH	TLE	-	-	-	16
63	LOWELL G AND PATRICIA J KAISER	TLE	-	-	-	199
64	SPDW PROPERTIES LLC	TLE	-	-	-	86
65	DAVID J KULPINSKI	TLE	-	-	-	550
66	LORI A GINTNER	TLE	-	-	-	836
67	JANE IVY KUNZE AND JAMES R CRAMER	FEE, TLE	1	-	1	13
68	JAMES F AND PATRICIA M BELOHLAVEK, TRUSTEES	TLE	-	-	-	95

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6370-01-25-4.05



RECOVERED MONUMENTS			
POINT	Y	X	DESCRIPTION
1167	139877.204	260572.666	1" REBAR
1159	140008.397	260785.662	MAG NAIL
1160	140051.070	260827.272	3/4" REBAR
1168	139804.555	260406.878	1-1/2" REBAR
42001	139945.983	261105.044	CHISELED X
1169	139807.423	260487.788	1" IRON PIPE
1170	139810.102	260546.771	1" REBAR
1171	139820.290	260796.186	1" REBAR
1172	139823.493	260882.831	3/4" REBAR
1173	139827.714	260987.894	3/4" REBAR
42006	139727.212	260890.413	1" REBAR
42007	139683.625	260848.280	1" IRON PIPE



ROAD NAME	BASIS OF EXISTING R/W	YEAR
STH 153	CSM 9753, VOL 59, P 176, DOC 1109084	1997
4TH ST		
STH 153	PREVIOUS PROJECT 6370-06-21	1996
4TH ST		
STH 153	PREVIOUS PROJECT 6370-01-21	1972
4TH ST		
5TH ST		
FREMONT ST		
STH 153	JOS DESSERT LUMBER COMPANY	1936
JACKSON ST	THIRD ADDITION	
4TH ST		
5TH ST		
FREMONT ST		
4TH STREET	WF LA DU'S TRIANGLE ADD TO MOSINEE	1918
STH 153	PLAN OF MOSINEE	1881
JACKSON ST		
4TH ST		
5TH ST		
FREMONT ST		

COURSE DATA - SECTION LINE			
FROM	TO	DIRECTION	DISTANCE
600	42000	S 00° 02' 34" E	2587.14'
600	506	S 00° 02' 34" E	1497.34'
506	566	S 00° 02' 34" E	33.32'
566	1168	S 00° 02' 34" E	33.33'
1168	42000	S 00° 02' 34" E	1023.75'

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN MARATHON COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 1778522.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), MARATHON COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN THE NC REGION.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 ("TYPICALLY)," X24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING ALIGNMENT DIMENSIONS ARE SHOWN AS RECORDED DISTANCES.

cbs2
770 TECHNOLOGY WAY
CHIPPEWA FALLS, WI 54729

I, NEIL C. BOWE, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN
NEIL C. BOWE
S-2827
CHIPPEWA FALLS WI
LAND SURVEYOR

SIGNATURE: Neil C. Bowe DATE: 12/13/19
PRINT NAME: NEIL C. BOWE
REGISTRATION NUMBER: S-2827

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

SIGNATURE: Brent L Stella DATE: 12-18-19
PRINT NAME: BRENT L. STELLA

FILE NAME: P:\WIDOT\16009 - STH 153\RIGHT OF WAY\CAD\040103-RP.DWG
APPRAISAL PLAT DATE: 12/13/19
PLOT DATE: 12/17/2019 12:04 PM
WISDOT 6370-01-25-4.05

STATE OF WISCONSIN - MARATHON COUNTY
RECORDED
12-19-2019 at 08:30 AM
DEAN J. STRATZ, REGISTER OF DEEDS
DOC#: **1794545**
Pages: 1

*This document has been electronically recorded and returned to: WisDOT - NC Region - Rhinelander / WI Rapic

TRANSPORTATION PROJECT PLAT NO: 6370-01-25-4.06

THAT PART OF LOT 1, BLOCK 17, AND PART OF LOT 1, BLOCK 16, AND PART OF LOT 2 OF CSM 16831, DOC 1671835 BEING PART OF LOT 14, BLOCK 10, ALL IN THE ORIGINAL PLAN OF MOSINEE; LOCATED IN THE NW 1/4 OF THE SW 1/4, AND PART OF LOTS 1 AND 7, BLOCK 16, AND PART OF LOT 8, BLOCK 10, AND PART OF LOTS 8 AND 14, BLOCK 11, ALL IN THE ORIGINAL PLAN OF MOSINEE; LOCATED IN GOVERNMENT LOT 3, ALL IN SECTION 29, TOWNSHIP 27 NORTH, RANGE 7 EAST, CITY OF MOSINEE, MARATHON COUNTY, WISCONSIN.

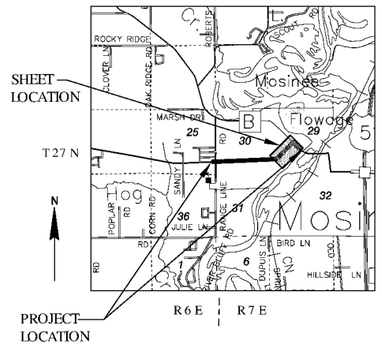
RELOCATION ORDER OF STH 153 CITY OF MOSINEE, STH 153 / WESTERN AVENUE AND 4TH STREET, RANGELINE ROAD TO WISCONSIN RIVER BRIDGE, MARATHON COUNTY

TO PROPERLY ESTABLISH, LAYOUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

LOCATION SKETCH
NOT TO SCALE



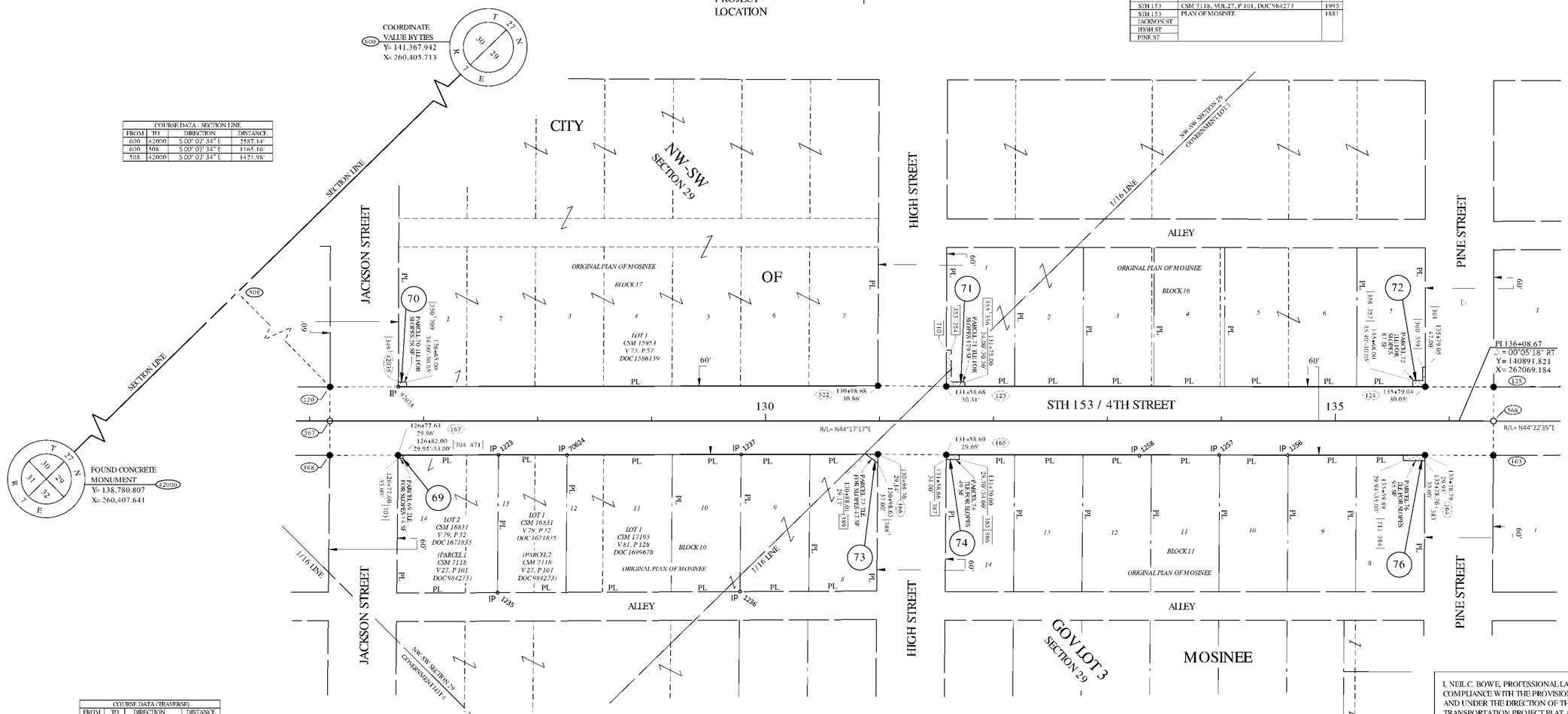
OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SF REQUIRED			TLE SF
			NEW	EXISTING	TOTAL	
69	ST PAUL PARISH	TLE	-	-	-	14
70	ST PAUL PARISH	TLE	-	-	-	28
71	EMIL AND DIANE WASNIEWSKI	TLE	-	-	-	179
72	JAMES F ALLEN	TLE	-	-	-	87
73	TRACEY A MIELKE	TLE	-	-	-	42
74	JEFFREY D AND DIANA SCHIRA	TLE	-	-	-	49
76	THOMAS L AND PAMELA J BUSKA	TLE	-	-	-	95

ROAD NAME	BASIS OF EXISTING R/W	YEAR
STH 153	CSM 17195, VOL 81, P 128, DOC 1699678	2015
STH 153	CSM 16831, VOL 79, P 32, DOC 1671835	2014
STH 153	CSM 15953, VOL 73, P 57, DOC 1586159	2010
JACKSON ST		
HIGH ST		
STH 153	PREVIOUS PROJECT 6370-06-21	1996
STH 153	CSM 7118, VOL 27, P 101, DOC 984273	1995
STH 153	PLAN OF MOSINEE	1881
JACKSON ST		
HIGH ST		
PINE ST		

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6370-01-25-4.06



SCALE, FEET
0 50 100

COURSE DATA - SECTION LINE			
FROM	TO	DIRECTION	DISTANCE
600	42000	S 00° 02' 34" E	3587.14'
600	508	S 00° 02' 34" E	1165.16'
508	42000	S 00° 02' 34" E	1421.98'

COURSE DATA (TRAVERSE)			
FROM	TO	DIRECTION	DISTANCE
508	120	N 89° 57' 26" E	949.37'
120	522	N 44° 10' 36" E	480.77'
532	123	N 44° 48' 44" E	60.00'
123	124	N 44° 19' 25" E	420.56'
124	125	N 44° 30' 51" E	60.00'
125	163	S 45° 28' 15" E	60.00'
163	164	S 44° 30' 56" W	60.00'
164	165	S 44° 19' 25" W	420.10'
165	166	S 44° 48' 44" W	60.00'
166	168	S 44° 10' 36" W	481.07'
168	120	N 45° 26' 07" W	60.00'

COURSE DATA (SEGMENTS)			
FROM	TO	DIRECTION	DISTANCE
120	42035	N 44° 10' 35" E	60.00'
42035	522	N 44° 10' 36" E	420.77'
125	568	S 45° 28' 15" E	29.86'
568	163	S 45° 28' 15" E	30.14'
166	167	S 44° 10' 36" W	421.07'
167	168	S 44° 10' 36" W	60.00'
168	567	N 45° 26' 07" W	30.08'
567	120	N 45° 26' 07" W	29.92'

RECOVERED MONUMENTS			
POINT	Y	X	DESCRIPTION
42035	140246.526	261397.767	1-1/4" IRON PIPE
1223	140267.639	261501.942	3/4" IRON PIPE LEANING
1237	140420.348	261650.324	3/4" REBAR
1256	140763.353	261985.611	1-1/4" IRON PIPE W BLUE CAP
1257	140720.352	261943.516	1-1/4" IRON PIPE W BLUE CAP
1258	140669.720	261895.178	1-1/4" IRON PIPE
70624	140310.627	261544.023	3/4" REBAR
1235	140182.700	261587.818	MAG NAIL
1236	140335.633	261735.760	3/4" REBAR

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
349	126+77.93	34.00' LT
42035	126+77.92	30.04' LT
710	131+58.81	62.00' LT
353	131+63.00	62.00' LT
354	131+63.00	34.00' LT
359	135+76.71	35.40' LT
360	135+76.62	47.00' LT
125	136+38.99	29.86' LT
568	136+38.92	0.00'
163	136+38.83	30.15' RT
168	126+17.62	30.08' RT
567	126+17.77	0.00'
120	126+17.91	29.92' LT

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN MARATHON COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 1778522.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), MARATHON COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN THE NC REGION.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 1" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING ALIGNMENT DIMENSIONS ARE SHOWN AS RECORDED DISTANCES.

cbs2
770 TECHNOLOGY WAY
CHIPPEWA FALLS, WI 54729

I, NEIL C. BOWE, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN NEIL C. BOWE S-2827 CHIPPEWA FALLS WI LAND SURVEYOR

SIGNATURE: Neil C. Bowe DATE: 12/13/19
PRINT NAME: NEIL C. BOWE
REGISTRATION NUMBER: S-2827

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

SIGNATURE: Brent L Stella DATE: 12-18-19
PRINT NAME: BRENT L STELLA

FILE NAME: P:\WIDOT\16009 - STH 153\RIGHT OF WAY\CAD\040103-RP.DWG
APPRAISAL PLAT DATE: 12/13/19
PLOT DATE: 12/18/2019 3:24 PM
WISDOT 6370-01-25-4.06

STATE OF WISCONSIN - MARATHON COUNTY
RECORDED
12-18-2019 at 03:22 PM
DEAN J. STRATZ, REGISTER OF DEEDS
DOC#: 1794533
Pages: 1

*This document has been electronically recorded and returned to: WisDOT - NC Region - Rhinelander / WI Rapic

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6370-01-25-4.07

TRANSPORTATION PROJECT PLAT NO: 6370-01-25-4.07

THAT PART OF LOT 7, BLOCK 15, AND PART OF LOTS 1 AND 14, BLOCK 13, AND PART OF LOTS 1 AND 14, BLOCK 6, AND PART OF LOT 14, BLOCK 2, AND PART OF LOT 3, BLOCK 1, AND PART OF LOTS 7 AND 8, BLOCK 7, AND PART OF LOTS 8 AND 14, BLOCK 12, ALL IN THE ORIGINAL PLAN OF MOSINEE; AND PART OF LOT 2 OF CSM 13946, DOC 1415642 BEING PART OF LOT 1, BLOCK 1, JOSEPH DESSERT LUMBER CO'S SECOND ADDITION; ALL LOCATED IN GOVERNMENT LOT 3, SECTION 29, TOWNSHIP 27 NORTH, RANGE 7 EAST, CITY OF MOSINEE, MARATHON COUNTY, WISCONSIN.

RELOCATION ORDER OF STH 153 CITY OF MOSINEE, STH 153 / WESTERN AVENUE AND 4TH STREET, RANGELINE ROAD TO WISCONSIN RIVER BRIDGE, MARATHON COUNTY

TO PROPERLY ESTABLISH, LAYOUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

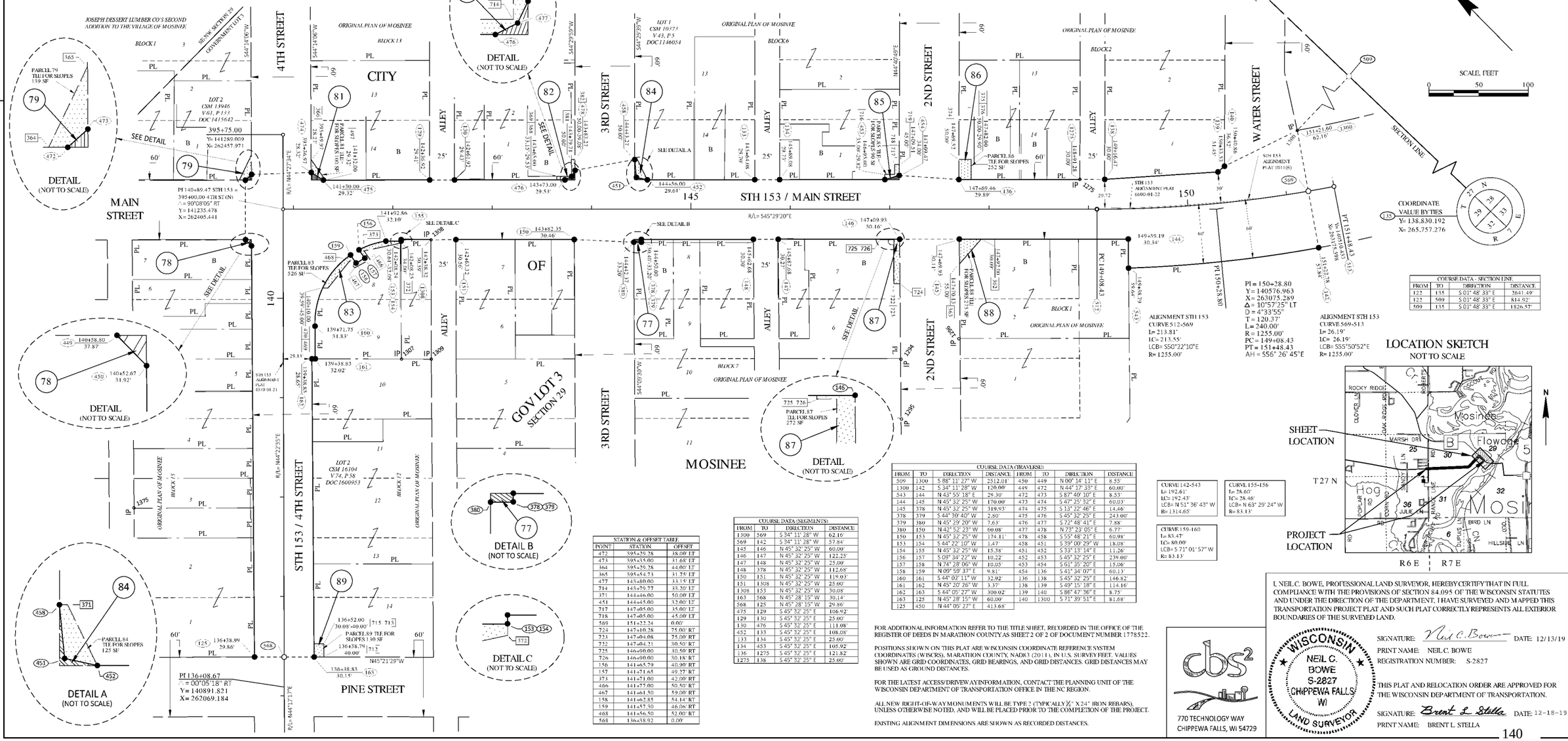
OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SF REQUIRED			TLE SF
			NEW	EXISTING	TOTAL	
77	LOGAN ENTERPRISES LLC	FEE	21	-	21	-
78	MONK BUNK LLC	FEE	18	-	18	-
79	DONALD AND NANCY L PROHASKA	FEE, TLE	18	-	18	139
81	MOSINEE CAFE LLC	FEE, TLE	47	-	47	100
82	S C SWIDERSKI LLC	FEE, TLE	34	-	34	92
83	CITY OF MOSINEE	TLE	-	-	-	526
84	CITY OF MOSINEE	FEE, TLE	33	-	33	125
85	SHARON A OLSZEWSKI REVOCABLE TRUST	FEE,TLE	30	-	30	90
86	BOARD OF LIBRARY DIRECTORS OF VILLAGE OF MOSINEE	TLE	-	-	-	252
87	MOSINEE MAIN REVOCABLE TRUST	TLE	-	-	-	272
88	RIISER FUELS LLC	TLE	-	-	-	275
89	LOS JUANES INC	TLE	-	-	-	130

RECOVERED MONUMENTS			
POINT	Y	X	DESCRIPTION
1275	140694.762	262998.254	3/4" REBAR
1300	140576.556	263188.854	1-1/4" IRON PIPE
1308	141109.317	262490.142	MAG NAIL
1375	141126.365	262087.808	1" REBAR
1307	141044.302	262384.819	1" IRON PIPE
1309	141023.337	262406.035	1-1/2" IRON PIPE
1294	140691.984	262742.962	1" IRON PIPE
1295	140648.641	262701.161	1" IRON PIPE
1296	140665.834	262769.052	1-1/2" REBAR

ROAD NAME	BASIS OF EXISTING R/W	YEAR
STH 153	CSM 16104, VOL.74, P.58, DOC 1600953	2011
PINE ST		
STH 153	PREVIOUS PROJECT TPP 6600-01-22	2008
2ND ST		
WATER ST		
STH 153		
MAIN ST	CSM 13946, VOL.61, P.133, DOC 1415642	2005
4TH ST		
STH 153	CSM 10373, VOL.43, P.5, DOC 1146054	1998
STH 153	PREVIOUS PROJECT 6370-06-21	1996
3RD ST		
STH 153	PREVIOUS PROJECT T 0111(6)	1962
2ND ST		
WATER ST		
STH 153		
PINE ST	PLAN OF MOSINEE	1881
3RD ST		
2ND ST		
WATER ST		
STH 153	JOSEPH DESSERT LUMBER CO'S SECOND ADDITION TO THE VILLAGE OF MOSINEE	1881



COURSE DATA - SECTION LINE			
FROM	TO	DIRECTION	DISTANCE
122	135	S 01° 48' 33" E	2641.49'
122	509	S 01° 48' 33" E	814.92'
509	135	S 01° 48' 33" E	1826.57'

LOCATION SKETCH
NOT TO SCALE

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
472	395+29.28	38.00' LT
473	395+55.00	31.68' LT
364	395+29.28	44.00' LT
365	395+54.73	31.75' LT
477	143+80.00	33.15' LT
714	143+79.77	18.30' LT
371	144+46.00	50.00' LT
451	144+45.00	33.00' LT
717	147+05.00	35.00' LT
718	147+05.00	45.00' LT
569	151+22.34	0.00'
724	147+10.28	75.00' RT
723	147+04.08	75.00' RT
722	147+04.21	30.50' RT
725	146+90.00	30.50' RT
726	146+90.00	30.18' RT
156	141+65.79	40.90' RT
157	141+71.65	49.37' RT
373	141+71.00	42.00' RT
466	141+77.00	50.50' RT
467	141+61.50	59.00' RT
158	141+62.85	54.14' RT
159	141+57.30	46.06' RT
468	141+56.50	52.00' RT
568	136+38.92	0.00'

COURSE DATA (SEGMENTS)			
FROM	TO	DIRECTION	DISTANCE
1300	569	S 34° 11' 28" W	62.16'
569	142	S 34° 11' 28" W	57.84'
145	146	N 45° 32' 25" W	60.00'
146	147	N 45° 32' 25" W	122.25'
147	148	N 45° 32' 25" W	25.00'
148	378	N 45° 32' 25" W	112.68'
150	151	N 45° 32' 25" W	119.03'
151	1308	N 45° 32' 25" W	25.00'
1308	153	N 45° 32' 25" W	30.08'
163	568	N 45° 28' 15" W	30.14'
568	125	N 45° 28' 15" W	29.86'
475	129	S 45° 32' 25" E	106.92'
129	130	S 45° 32' 25" E	25.00'
130	476	S 45° 32' 25" E	111.08'
452	133	S 45° 32' 25" E	108.08'
133	134	S 45° 32' 25" E	25.00'
134	453	S 45° 32' 25" E	105.92'
136	1275	S 45° 32' 25" E	121.82'
1275	138	S 45° 32' 25" E	25.00'

COURSE DATA (TRAVERSE)							
FROM	TO	DIRECTION	DISTANCE	FROM	TO	DIRECTION	DISTANCE
509	1300	S 88° 11' 27" W	2512.01'	450	449	N 00° 14' 13" E	8.55'
1300	142	S 34° 11' 28" W	120.00'	449	472	N 44° 17' 33" E	60.00'
543	144	N 43° 55' 18" E	29.30'	472	473	S 87° 40' 10" E	8.53'
144	145	N 45° 32' 25" W	170.00'	473	474	S 47° 25' 32" E	60.03'
145	378	N 45° 32' 25" W	319.93'	474	475	S 13° 22' 46" E	14.46'
378	379	S 44° 30' 40" W	2.80'	475	476	S 45° 32' 25" E	243.90'
379	380	N 45° 29' 20" W	7.63'	476	477	S 72° 48' 41" E	7.88'
380	150	N 42° 52' 23" W	60.08'	477	478	N 73° 23' 05" E	6.77'
150	153	N 45° 32' 25" W	174.11'	478	458	S 55° 48' 21" E	60.98'
153	154	S 44° 22' 10" W	1.47'	458	451	S 39° 00' 29" W	18.08'
154	155	N 45° 32' 25" W	15.38'	451	452	S 33° 13' 14" E	11.26'
156	157	S 09° 34' 22" W	10.22'	452	453	S 45° 32' 25" E	239.00'
157	158	N 74° 28' 06" W	10.05'	453	454	S 61° 35' 20" E	15.06'
158	159	N 09° 59' 37" E	9.81'	454	136	S 43° 34' 07" E	60.13'
160	161	S 44° 02' 11" W	32.92'	136	138	S 45° 32' 25" E	146.82'
161	162	N 45° 20' 26" W	3.37'	138	139	S 49° 15' 18" E	114.16'
162	163	S 44° 05' 27" W	300.02'	139	140	S 86° 47' 36" E	8.75'
163	125	N 45° 28' 15" W	60.00'	140	1300	S 71° 39' 51" E	81.68'

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN MARATHON COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 1778522.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM (COORDINATES (WISCRS), MARATHON COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN THE NC REGION.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY "X" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING ALIGNMENT DIMENSIONS ARE SHOWN AS RECORDED DISTANCES.

cbs2
770 TECHNOLOGY WAY
CHIPPEWA FALLS, WI 54729

I, NEIL C. BOWE, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN NEIL C. BOWE S-2827 CHIPPEWA FALLS WI LAND SURVEYOR

SIGNATURE: Neil C. Bowe DATE: 12/13/19
PRINT NAME: NEIL C. BOWE
REGISTRATION NUMBER: S-2827

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

SIGNATURE: Brent L. Stella DATE: 12-18-19
PRINT NAME: BRENT L. STELLA

FILE NAME: P:\WIDOT\16009 - STH 153\RIGHT OF WAY\CAD\040103-RP.DWG
APPRAISAL PLAT DATE: 12/13/19
PLOT DATE: 12/17/2019 12:04 PM
WISDOT 6370-01-25-4.07

X = REMOVING SHRUB OR TREE

BEGIN PROJECT
6370-01-75
STA 70+75.03
Y=139658.761
X=255962.734
SAWCUT REQ'D
MATCH EXISTING

+67.35
SAWCUT REQ'D
MATCH EXISTING

WPS
(OH ELECTRIC)

205+75
RANGELINE RD

BM1

PI 70+17.95

STA 71+62.39 STH 153 =
STA 205+00.00 RANGELINE RD

FEE (TYP)

TLE (TYP)

STA 72+73.3 LT
CONSTRUCT 32.0' WIDE
ASPH CE
SAWCUT REQ'D

STA 73+65.8 LT
CONSTRUCT 19.0' WIDE
ASPH PE
SAWCUT REQ'D

STA 74+29.3 LT
CONSTRUCT 20.0' WIDE
GRAV PE

CHARTER COMMUNICATIONS
(OH ATTACHED TO WPS)

STA 75+20.5 LT
CONSTRUCT 18.0' WIDE
ASPH PE
SAWCUT REQ'D

STA 75+87.7 LT
CONSTRUCT 21.0' WIDE
ASPH PE
SAWCUT REQ'D

STA 76+24.5 LT
CONSTRUCT 23.0' WIDE
ASPH PE
SAWCUT REQ'D

STA 77+77.44 STH 153 =
STA 215+00.00 MAPLE ST

STA 77+21.2 LT
CONSTRUCT 36.0' WIDE
ASPH PE
SAWCUT REQ'D

TDS TELECOM
(FIBER OPTIC)

MATCHLINE STA 77+75

70+18 | 71+00 | 72+00 | 73+00 | 74+00 | 75+00 | 76+00 | 77+00

N87° 42' 36"E

STH 153

N0° 01' 00"W

20.0' | 20.0'

5.0' | 5.0'

CHARTER COMMUNICATIONS
(OH ATTACHED TO WPS)

+49.2
SAWCUT REQ'D
MATCH EXISTING

204+25
RANGELINE RD

SLOPE INTERCEPTS (TYP)

TDS TELECOM
(FIBER OPTIC)
(TYP)

CITY OF MOSINEE
(WATER MAIN) (TYP)

WPS
(OH ELECTRIC)

WPS (GAS MAIN)
(TYP)

CITY OF MOSINEE
SANITARY SEWER (TYP)

EXISTING RW (TYP)

WPS (UG ELECTRIC)
(TYP)

CHARTER COMMUNICATIONS
(OH ATTACHED TO WPS)

CP2

N0° 17' 15"W

+52.4
SAWCUT REQ'D
MATCH EXISTING

214+25
MAPLE ST

BENCHMARK AND CONTROL POINT TABLE			
POINT	Y COORDS	X COORDS	DESCRIPTION
BM1	139710.300	256021.300	RR SPK IN POWER POLE
CP1	139676.280	255788.300	3/4IN REBAR
CP2	139637.950	256585.230	3/4IN REBAR

X = REMOVING SHRUB OR TREE

STA 79+17.3 LT
CONSTRUCT 35.0' WIDE
ASPH CE
SAWCUT REQ'D

WPS (GAS MAIN)
(TYP)

CITY OF MOSINEE
(WATER MAIN) (TYP)

225+75
WILLOW ST

+47.5
SAWCUT REQ'D
MATCH EXISTING

STA 81+25.6 LT
CONSTRUCT 20.0' WIDE
ASPH PE
SAWCUT REQ'D

REPLACE
CARRIAGE WALK

TLE (TYP)

STA 81+56.0 LT
CONSTRUCT 14.0' WIDE
GRAV PE

STA 82+51.4 LT
CONSTRUCT 42.0' WIDE
ASPH CE
SAWCUT REQ'D

TDS TELECOM
(TELEPHONE) (TYP)

STA 83+49.7 LT
CONSTRUCT 49.0' WIDE
ASPH CE
SAWCUT REQ'D

DO NOT DISTURB SIGN

CHARTER COMMUNICATIONS
(OH ATTACHED TO WPS)

MATCH EXISTING CONC EDGE

SLOPE INTERCEPTS (TYP)

MATCHLINE STA 77+75

78+00 | 79+00 | 80+00 | 81+00 | 82+00 | 83+00 | 84+00 | 85

N87° 42' 36"E

STH 153

N2° 17' 41"W

N1° 03' 52"W

N2° 17' 24"W

20.0' | 20.0' | 20.0'

5.0' | 5.0'

50' | 45'

CHARTER COMMUNICATIONS
(OH ATTACHED TO WPS)

DO NOT DISTURB EXISTING LANDSCAPING.
EXISTING LANDSCAPING TO REMAIN AS-IS.

STA 80+02.75 STH 153 =
STA 225+00.00 WILLOW ST (N)

TLE (TYP)

+54.5
SAWCUT REQ'D
MATCH EXISTING

STA 80+31.50 STH 153 =
STA 225+00.00 WILLOW ST (S)

224+25
WILLOW ST

TDS TELECOM
(FIBER OPTIC)
(TYP)

CHARTER COMMUNICATIONS
(OH ATTACHED TO WPS)

CITY OF MOSINEE
SANITARY SEWER (TYP)

TLE (TYP)

STA 83+89.44 STH 153 =
STA 235+00.00 BIRCH ST

+47.0
SAWCUT REQ'D
MATCH EXISTING

234+25
BIRCH ST

CP3

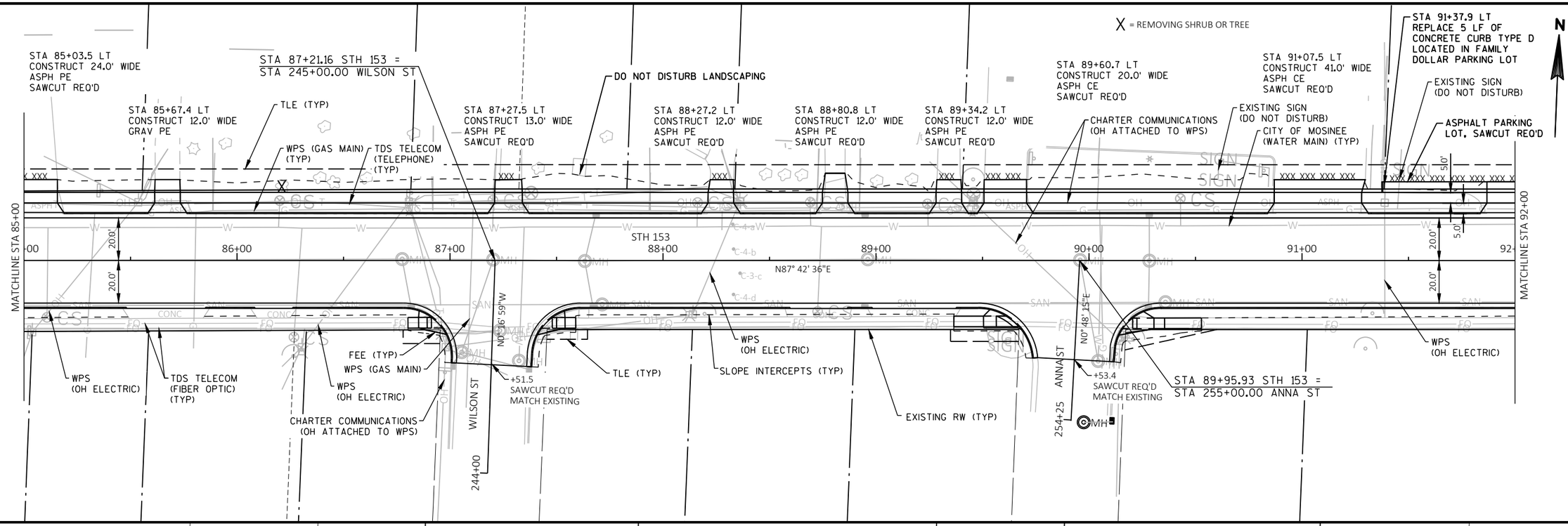
TLE

MATCHLINE STA 85+00

BENCHMARK AND CONTROL POINT TABLE			
POINT	Y COORDS	X COORDS	DESCRIPTION
BM2	139739.300	257301.200	NW HYDRANT FLANGE BOLT
CP3	139686.910	257310.640	3/4IN REBAR

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	PLAN	SHEET 141	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\050201_PN.DWG
SHEET NAME: PPSTH153 (1)
PLOT SCALE : 1 IN:50 FT



PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	PLAN	SHEET	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\050201_PN.DWG

SHEET NAME: PPSTH153 (2)

X = REMOVING SHRUB OR TREE

DO NOT DISTURB SECOND TIER LANDSCAPING WALL

STA 99+08.8 LT
CONSTRUCT 17.0' WIDE
ASPH CE
SAWCUT REQ'D

STA 99+68.6 LT
CONSTRUCT 14.0' WIDE
ASPH CE
SAWCUT REQ'D

STA 100+25.6 LT
CONSTRUCT 23.0' WIDE
ASPH CE
SAWCUT REQ'D

STA 100+81.0 LT
CONSTRUCT 40.0' WIDE
ASPH CE
SAWCUT REQ'D

TLE (TYP)

CHARTER COMMUNICATIONS
(OH ATTACHED TO WPS)

STA 100+95.91 STH 153 =
STA 275+00.00 NOVAK ST

PI 102+32.16

WPS (GAS MAIN)
(TYP)

CITY OF MOSINEE
(WATER MAIN) (TYP)

STA 104+69.41 STH 153 =
STA 285+00.00 ELM ST

CHARTER COMMUNICATIONS
(OH ATTACHED TO WPS)

STA 105+37.92 STH 153 =
STA 295+00.00 8TH ST

295+75

8TH ST

+41.8
SAWCUT REQ'D
MATCH EXISTING

TLE

N21° 15' 23"W

MATCHLINE STA 99+00

MATCHLINE STA 106+50

STH 153

100+00 101+00 102+00 103+00 104+00 105+00 106+00

N87° 38' 18"E

N87° 44' 37"E

20.0'

20.0'

WPS
(OH ELECTRIC)

TDS TELECOM
(TELEPHONE)
(TYP)

TDS TELECOM
(FIBER OPTIC)
(TYP)

STA 100+54.70
END 4" PAVEMENT REPLACEMENT
BEGIN 4" MILL & OVERLAY

N01° 13' 59"E

FEE (TYP)

+50.4
SAWCUT REQ'D
MATCH EXISTING

274+25

NOVAK ST

SLOPE INTERCEPTS (TYP)

CITY OF MOSINEE
(UG ELECTRIC)

CITY OF MOSINEE
SANITARY SEWER (TYP)

CP5

EXISTING RW (TYP)

TLE

+58.6
SAWCUT REQ'D
MATCH EXISTING

284+25

ELM ST

N21° 15' 23"W

BENCHMARK AND CONTROL POINT TABLE			
POINT	Y COORDS	X COORDS	DESCRIPTION
CP5	139763.800	259228.470	3/4IN REBAR

5

5

X = REMOVING SHRUB OR TREE

BENCHMARK AND CONTROL POINT TABLE			
POINT	Y COORDS	X COORDS	DESCRIPTION
CP6	139836.430	259799.310	3/4IN REBAR

WPS (UG ELECTRIC)

WPS (GAS MAIN)
(TYP)

CHARTER COMMUNICATIONS
(OH ATTACHED TO WPS)

CITY OF MOSINEE
(WATER MAIN) (TYP)

CP6

TLE

315+75

WISCONSIN ST

+40.6
SAWCUT REQ'D
MATCH EXISTING

TLE

N2° 15' 23"W

MATCHLINE STA 106+50

MATCHLINE STA 114+00

STH 153

107+00 108+00 109+00 110+00 111+00 112+00 113+00 114

N87° 44' 37"E

N87° 44' 37"E

CITY OF MOSINEE
(UG ELECTRIC)

TDS TELECOM
(TELEPHONE)
(TYP)

TDS TELECOM
(FIBER OPTIC)
(TYP)

STA 108+91.94 STH 153 =
STA 305+00.00 KLEIST ST

N2° 17' 00"W

TLE

+59.4
SAWCUT REQ'D
MATCH EXISTING

TLE

304+25

KLEIST ST

SLOPE INTERCEPTS (TYP)

CITY OF MOSINEE
(UG ELECTRIC)

CITY OF MOSINEE
SANITARY SEWER (TYP)

EXISTING RW (TYP)

STA 113+00.96 STH 153 =
STA 315+00.00 WISCONSIN ST (N)

TLE

+57.1
SAWCUT REQ'D
MATCH EXISTING

TLE

STA 113+11.86 STH 153 =
STA 315+00.00 WISCONSIN ST (S)

N2° 16' 59"W

314+25

WISCONSIN ST

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	PLAN	SHEET 143	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\050201_PN.DWG

SHEET NAME: PPSTH153 (3)

X = REMOVING SHRUB OR TREE

CITY OF MOSINEE (WATER MAIN) (TYP)

WPS (GAS MAIN) (TYP)

TDS TELECOM (TELEPHONE) (TYP)

WPS (OH ELECTRIC)

CHARTER COMMUNICATIONS (OH ATTACHED TO WPS)

TLE (TYP)

+84.1 SAWCUT REQ'D MATCH EXISTING

N44° 25' 58"E

326+25

5TH ST

TLE

NOTE:
DO NOT DISTURB EXISTING LANDSCAPING OR EXISTING SIGN. EXISTING SIGN AND LANDSCAPING TO REMAIN AS-IS.

MATCHLINE STA 114+00

+00

115+00

116+00

STH 153

117+00

118+00

119+00

120

MATCHLINE STA 120+00

N87° 44' 37"E

WPS (OH ELECTRIC)

TDS TELECOM (FIBER OPTIC) (TYP)

CITY OF MOSINEE (UG ELECTRIC)

STA 116+98.83 STH 153 =
STA 325+00.00 5TH ST

CITY OF MOSINEE SANITARY SEWER (TYP)

EXISTING RW (TYP)

SLOPE INTERCEPTS (TYP)

DO NOT DISTURB TREE

TLE

STA 118+43.5 RT
CONSTRUCT 25.9' WIDE
ASPH PE
SAWCUT REQ'D

WPS (OH ELECTRIC)

N

5

5

STA 121+00
END 4" MILL & FILL
BEGIN 1-3/4" MILL & FILL

STA 121+26.36 STH 153 =
STA 335+00.00 4TH ST

STA 121+68.10 STH 153 =
STA 345+00.00 FREMONT ST

PC 120+72.09

PI STA = 121+81.68
Y = 139862.73
X = 261065.36
DELTA = 43°27'20"
T = 109.59
L = 208.57
R = 275.00
PC STA = 120+72.09
PT STA = 122+80.66
SE = NC

X = REMOVING SHRUB OR TREE

BENCHMARK AND CONTROL POINT TABLE			
POINT	Y COORDS	X COORDS	DESCRIPTION
BM3	139907.400	261051.800	BM HYDRANT BURY BOLT
CP7	139836.810	261051.280	3/4IN REBAR

MATCHLINE STA 120+00

+00

N87° 44' 37"E

TDS TELECOM (FIBER OPTIC) (TYP)

PT STA 334+81.27

TLE

4TH ST

N13° 33' 49"W

122+00

CHARTER COMMUNICATIONS (OH ATTACHED TO WPS)

BM3

PT 122+80.66

WPS (UG ELECTRIC)

CITY OF MOSINEE (WATER MAIN) (TYP)

TLE (TYP)

+32.0 SAWCUT REQ'D MATCH EXISTING

STA 126+46.51 STH 153 =
STA 355+00.00 JACKSON ST

355+50

JACKSON ST

TDS TELECOM (TELEPHONE) (TYP)

TLE

+23.0 SAWCUT REQ'D MATCH EXISTING

N44° 00' 41"E

123+00

124+00

STH 153

125+00

126+00

127

N43° 34' 39"W

N44° 17' 17"E

MATCHLINE STA 127+00

PI STA = 334+54.86
Y = 139816.69
X = 261021.39
DELTA = 57°34'30"
D = 98°47'09"
T = 31.87
L = 58.28
R = 58.00
PC STA = 334+22.99
PT STA = 334+81.27

WPS (OH ELECTRIC)

N44° 27' 39"W

CP7

FREMONT ST

344+25

+31.9 SAWCUT REQ'D MATCH EXISTING

CITY OF MOSINEE (UG ELECTRIC)

CITY OF MOSINEE SANITARY SEWER (TYP)

SLOPE INTERCEPTS (TYP)

EXISTING RW (TYP)

TLE

354+50

JACKSON ST

+68.9 SAWCUT REQ'D MATCH EXISTING

TLE

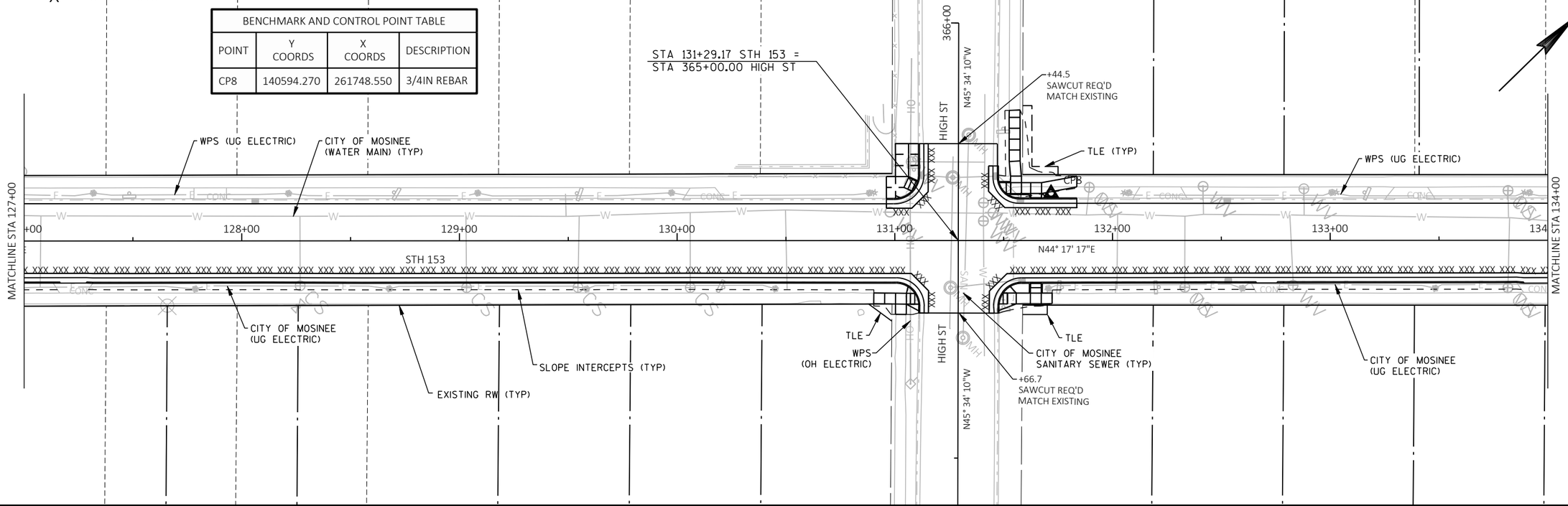
PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	PLAN	SHEET 144	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\050201_PN.DWG

SHEET NAME: PPSTH153 (4)

X = REMOVING SHRUB OR TREE

BENCHMARK AND CONTROL POINT TABLE			
POINT	Y COORDS	X COORDS	DESCRIPTION
CP8	140594.270	261748.550	3/4IN REBAR

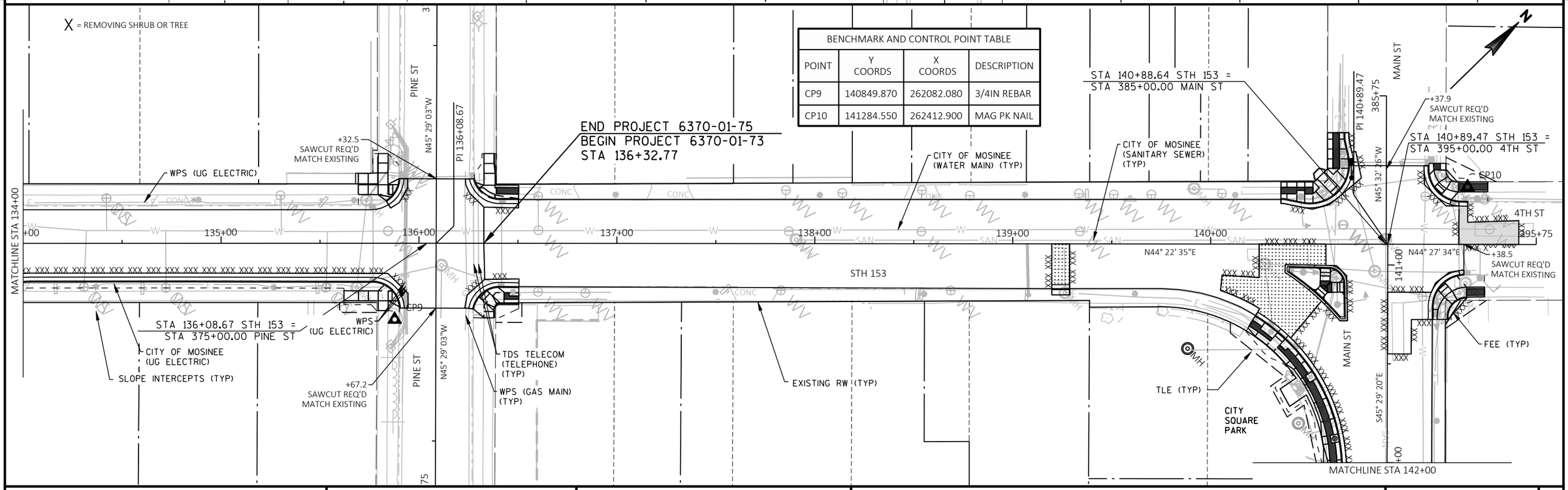


5

5

X = REMOVING SHRUB OR TREE

BENCHMARK AND CONTROL POINT TABLE			
POINT	Y COORDS	X COORDS	DESCRIPTION
CP9	140849.870	262082.080	3/4IN REBAR
CP10	141284.550	262412.900	MAG PK NAIL

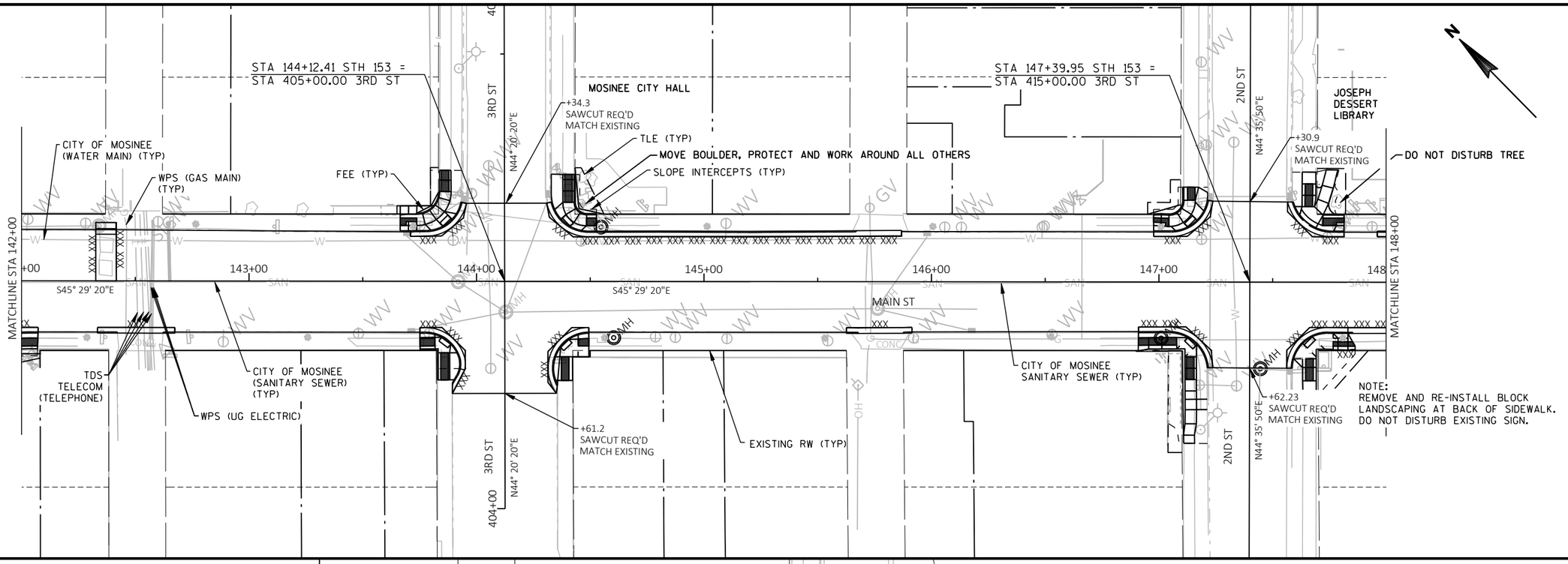


PROJECT NO: 6370-01-73/6370-01-75	HWY: STH 153	COUNTY: MARATHON	PLAN	SHEET 145	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\050201_PN.DWG

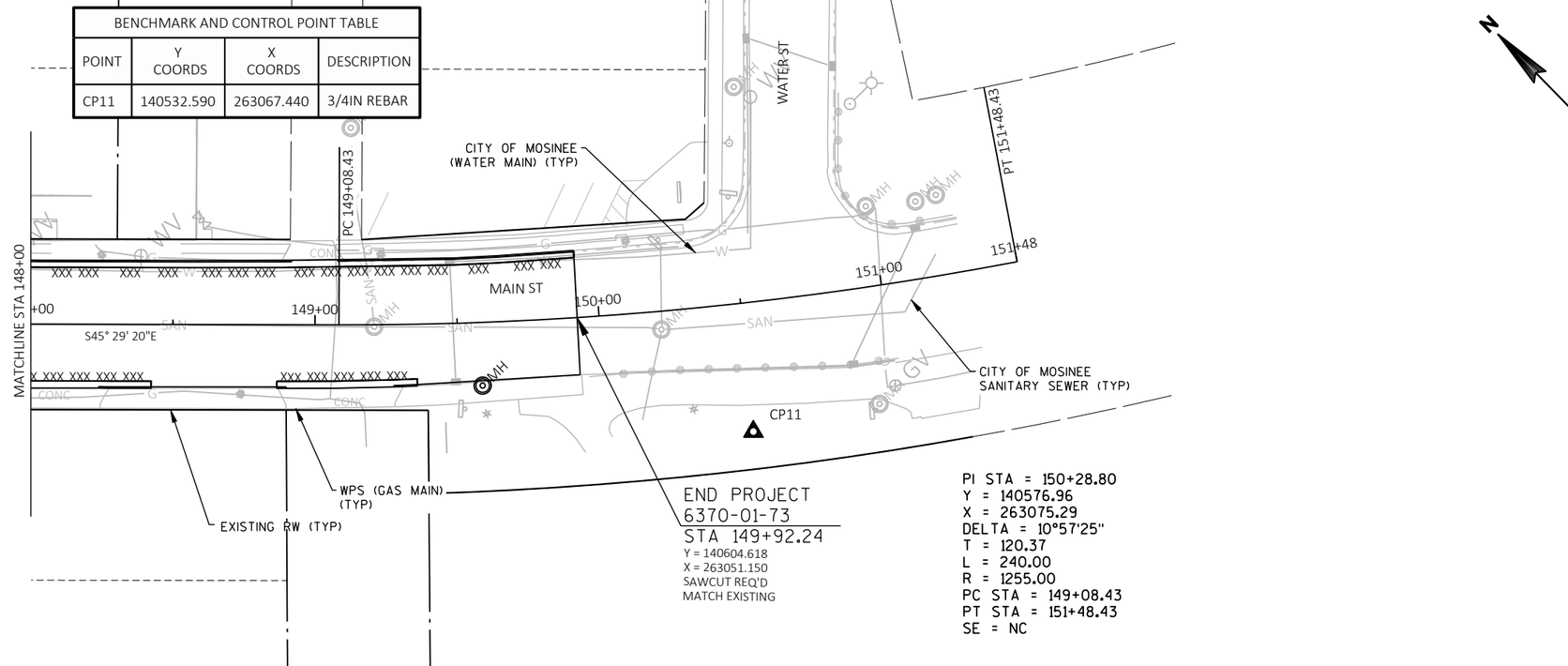
SHEET NAME: PPSTH153 (5)

X = REMOVING SHRUB OR TREE



X = REMOVING SHRUB OR TREE

BENCHMARK AND CONTROL POINT TABLE			
POINT	Y COORDS	X COORDS	DESCRIPTION
CP11	140532.590	263067.440	3/4IN REBAR



PROJECT NO: 6370-01-73	HWY: STH 153	COUNTY: MARATHON	PLAN	SHEET	E

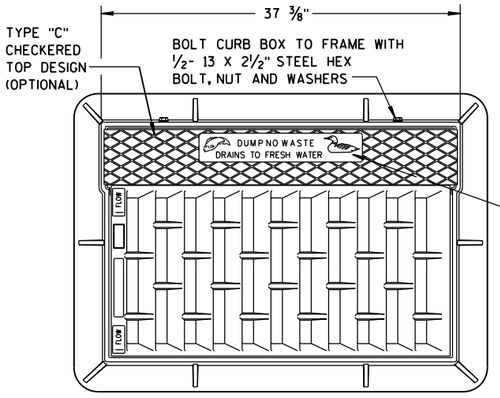
FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\050201_PN.DWG

SHEET NAME: PPSTH153 (6)

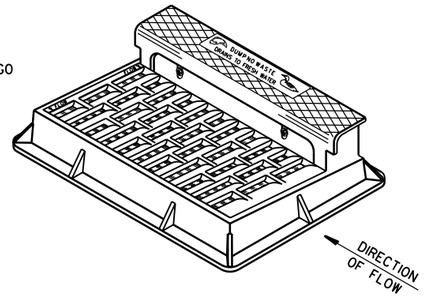
Standard Detail Drawing List

08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-19C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08B09-02	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-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
08D01-22A	CONCRETE CURB & GUTTER
08D01-22B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D05-20A	CURB RAMPS TYPES 1 AND 1-A
08D05-20B	CURB RAMPS TYPES 2 AND 3
08D05-20C	CURB RAMPS TYPES 4A AND 4A1
08D05-20D	CURB RAMPS TYPE 4B AND 4B1
08D05-20E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-20F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-20G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08D18-02	DRIVEWAY AND SIDEWALK RAMPS TYPES X & Y
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09B02-10	CONDUIT
09B04-11	PULL BOX
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09C11-10	CONCRETE BASE TYPE 10
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
09E08-09A	TYPE 9 POLE 15'-30' MONOTUBE ARM
09E08-09K	GENERAL NOTES,HARDWARE DETAILS FOR TYPE 9/10,9/10 SPECIAL,12 & 13 POLES W/MONOTUBE ARMS
09F15-04B	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
11B02-02	CONCRETE MEDIAN NOSE
12A04-03	STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES & OVERHEAD SIGN SUPPORTS & TRAFFIC SIGNALS
13C09-15A	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C09-15B	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C09-15C	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C14-07A	BASE PATCHING CONCRETE
13C14-07B	BASE PATCHING CONCRETE
13C14-07C	BASE PATCHING CONCRETE
13C19-03	HMA LONGITUDINAL JOINTS
15C02-08A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-08B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-08C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C02-08F	ADVANCED WIDTH RESTRICTION SIGNING
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-15B	PAVEMENT MARKING WORDS
15C07-15C	PAVEMENT MARKING ARROWS
15C08-20A	LONGITUDINAL MARKING (MAINLINE)
15C08-20B	PAVEMENT MARKING (TURN LANES)
15C08-20C	PAVEMENT MARKING (TURN LANES)
15C11-09B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-08	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C18-05A	MEDIAN ISLAND MARKING PAVEMENT MARKINGS
15C18-05B	MEDIAN ISLAND MARKING MEDIAN ISLAND NOSE
15C19-06A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-04A	PAVEMENT MARKING (INTERSECTIONS)
15C36-01	PARKING STALL MARKING
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D30-06A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-06B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-06C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D39-02	TRAFFIC CONTROL, DROP-OFF SIGNING
15D40-02C	TRAFFIC CONTROL, PARTIAL LANE SHIFT NON-FREEWAY OR MULTILANE DIVIDED 45 MPH AND UNDER
15D44-02	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES
15D45-03	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH LOOSE GRAVEL
15D50-01B	TRAFFIC CONTROL, ADDED LANE CLOSURE WITH LANE SHIFT

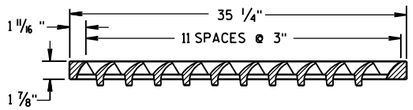
6

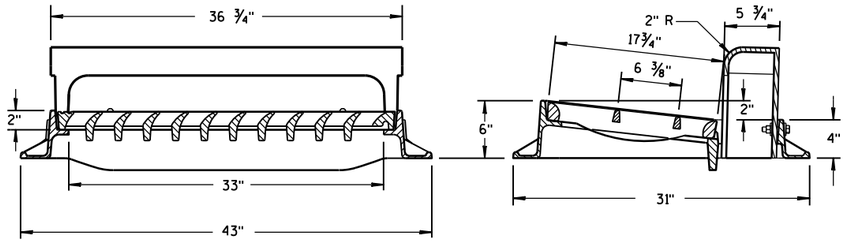


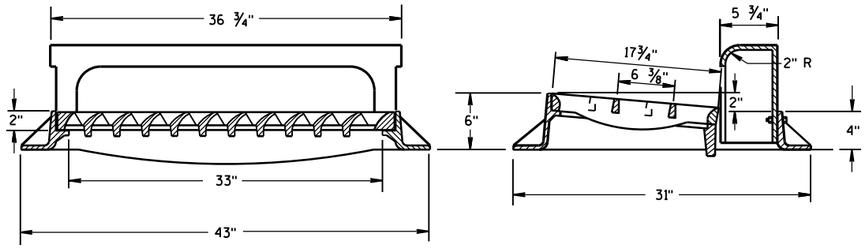
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

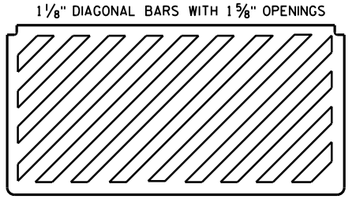






TYPE "H"

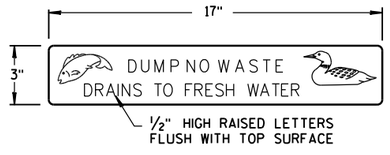
NOTE: EITHER CASTING IS ACCEPTABLE



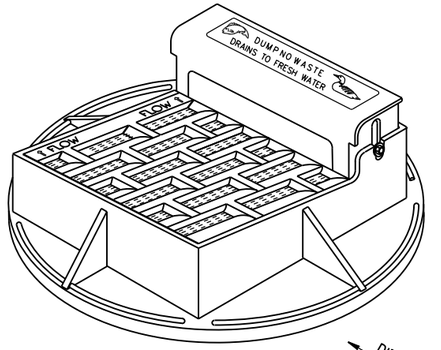
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35 1/4" X 17 3/4" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

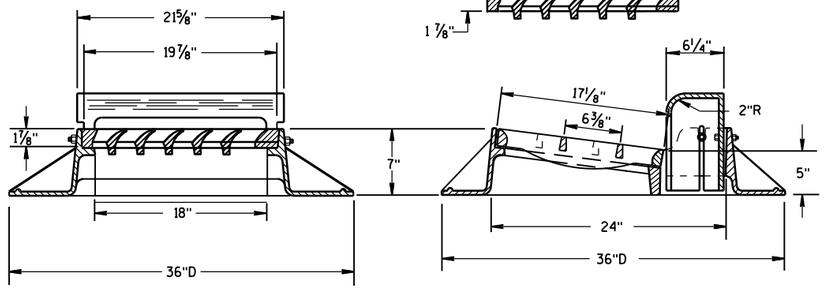


LOGO DETAIL



NOTE: CURB BOX ADJUSTABLE 4" TO 9"

NOTE:
GRATE IS REVERSIBLE.



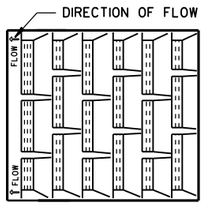
TYPE "A"

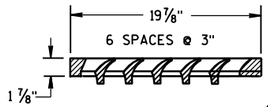
GENERAL NOTES

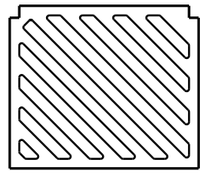
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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.



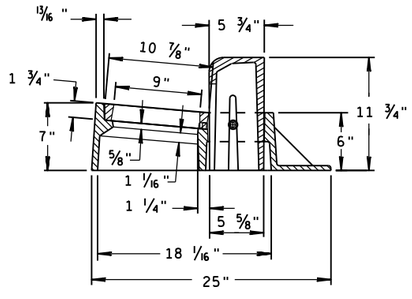


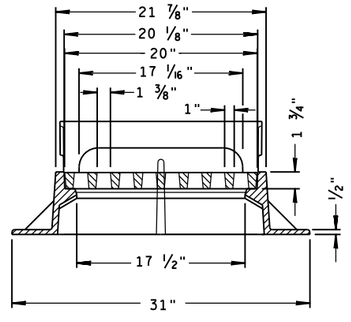


SPECIAL GRATE FOR TYPE "A" COVER

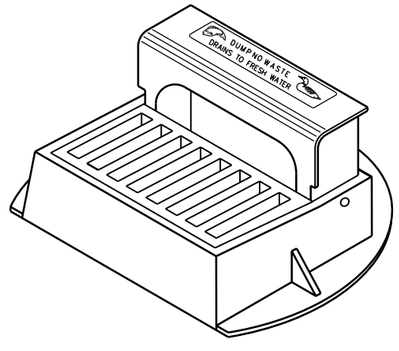
(MEASURES 19 3/4" X 17" X 1 7/8")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)





TYPE "Z"



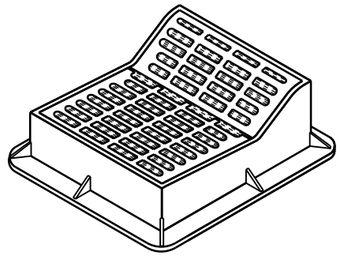
INLET COVERS TYPE A, H, A-S, H-S & Z

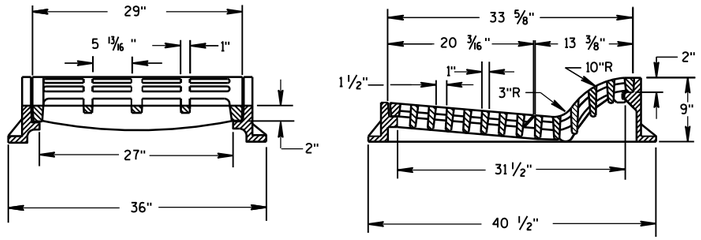
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11-27-13 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

6

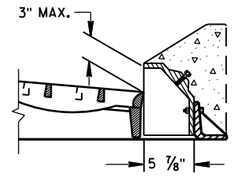
S.D.D. 8 A 5-19a





TYPE "F"

USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

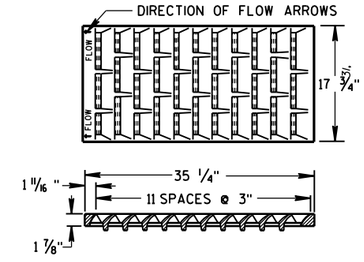
USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

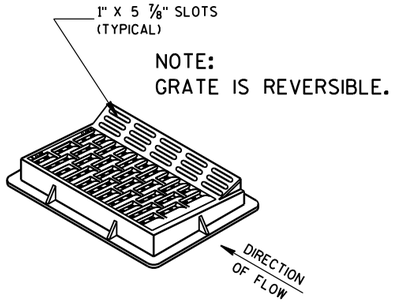
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

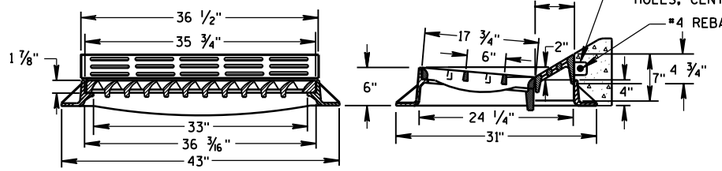
GENERAL NOTES

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 INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.



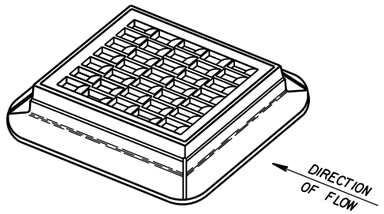


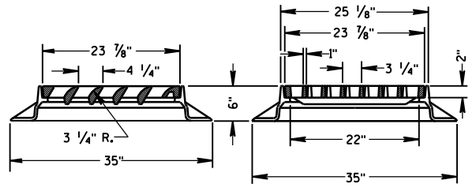


TYPE "HM"

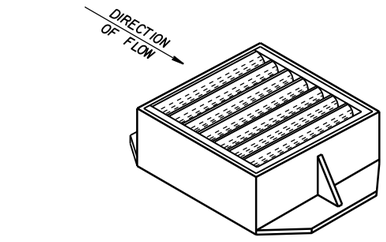
USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

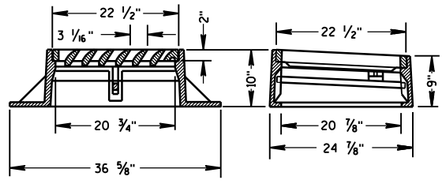
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE



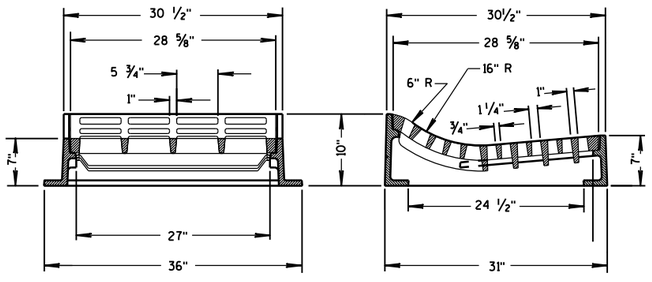


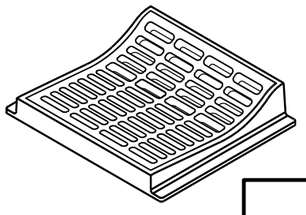
TYPE "S"





TYPE "V"





TYPE "T"

USE WITH TYPES R & T CONCRETE CURB & GUTTER, 36 INCH.

INLET COVERS
TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

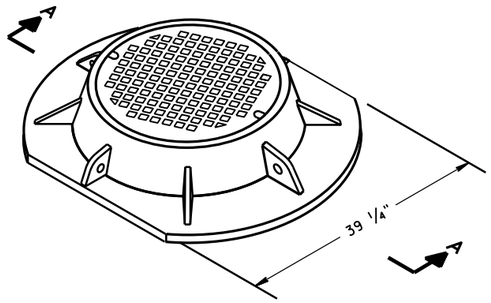
APPROVED
11/27/2013
DATE

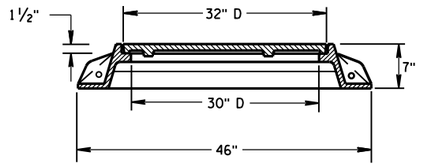
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

FHWA

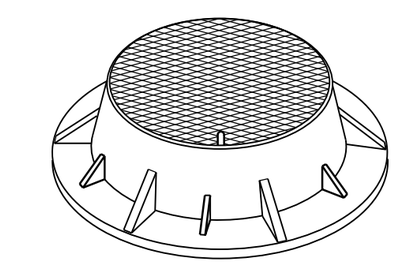
6

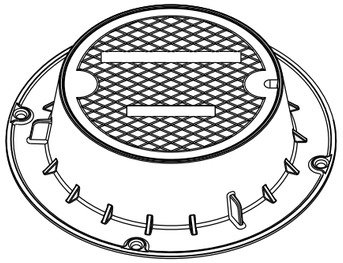
S.D.D. 8 A 5-19c

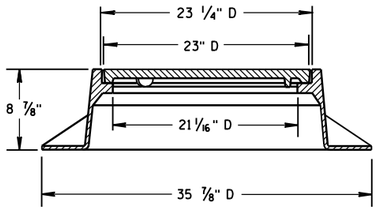


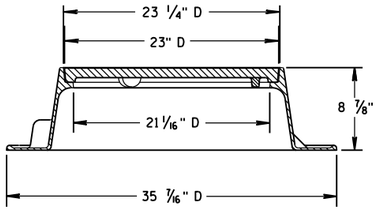


SECTION A-A
TYPE "K"









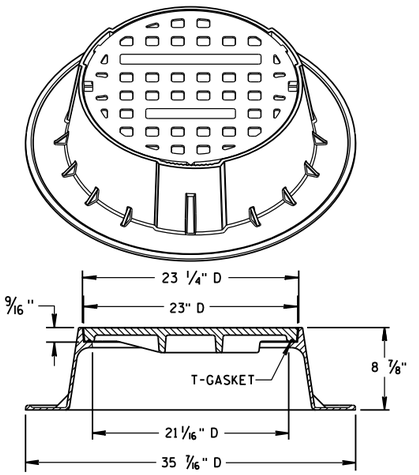
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

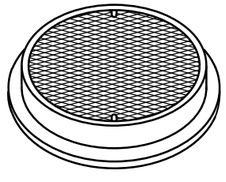
GENERAL NOTES

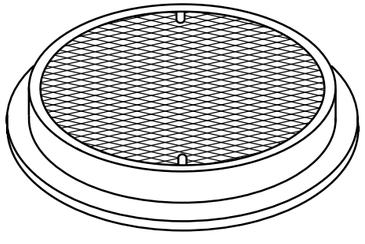
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

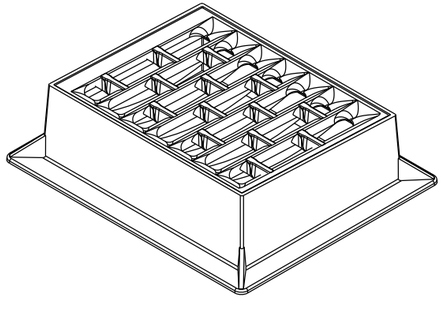
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

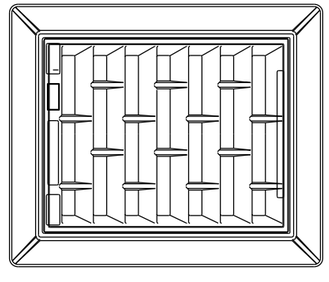
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

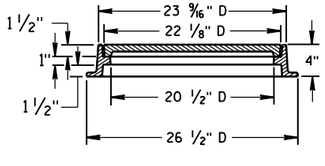




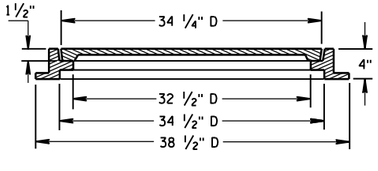




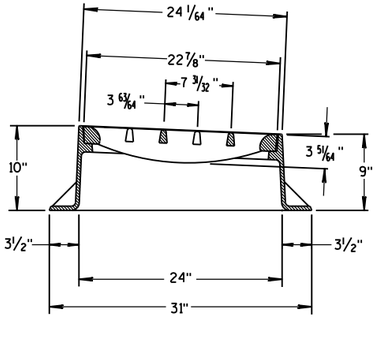


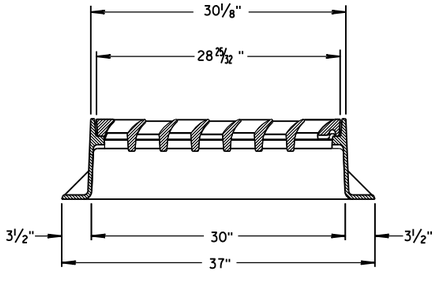


TYPE "L"

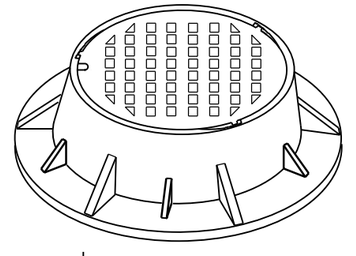


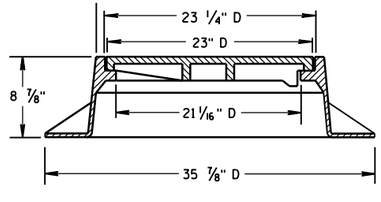
TYPE "M"





INLET COVER TYPE "BW"





TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE

INLET COVER TYPE BW
MANHOLE COVERS, TYPE K, J, J-S, L & M

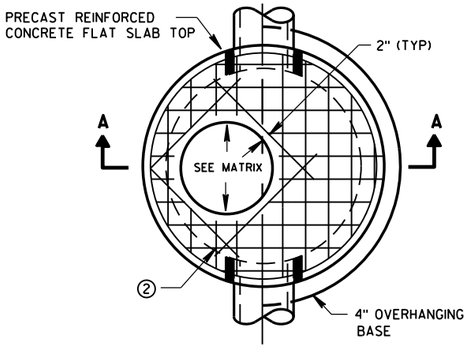
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE
FHWA

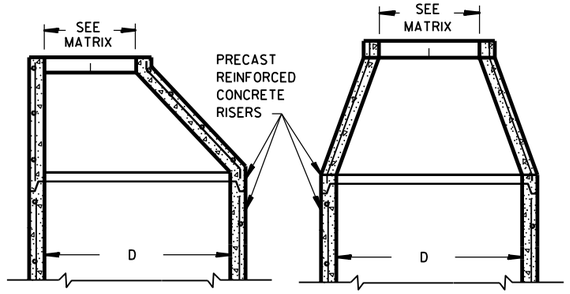
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

6

S.D.D. 8 A 5-19d

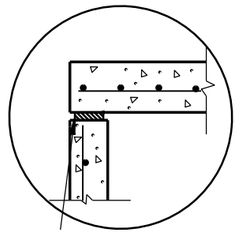


PLAN VIEW CIRCULAR OPENING

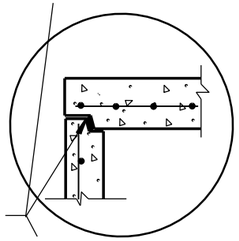


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

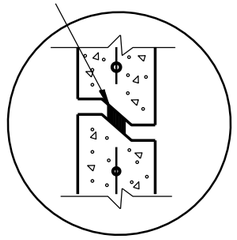


TOP WITH PLAIN END JOINT



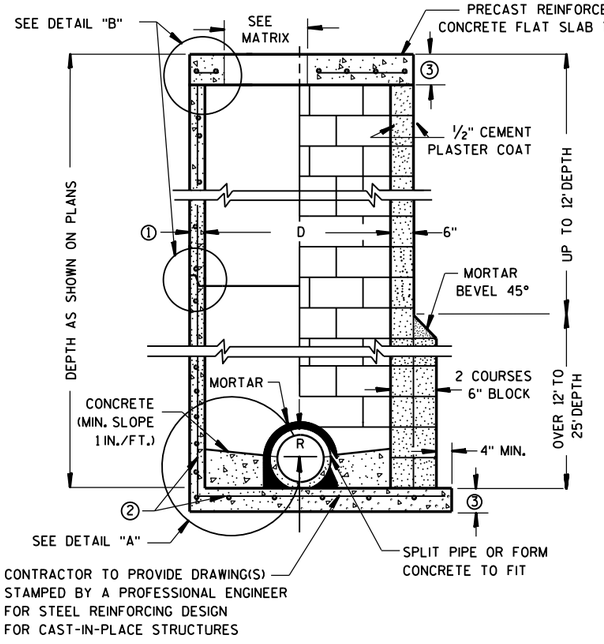
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



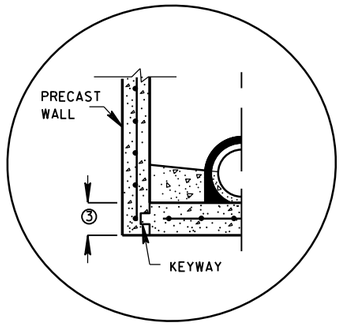
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

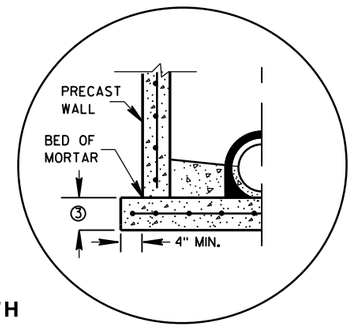


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

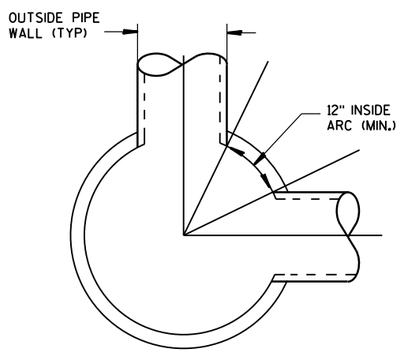


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



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 CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND 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" 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.

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

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

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

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 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT, 7 INCHES FOR 6-FT, 8 INCHES FOR 7-FT AND 9 INCHES FOR 8-FT DIAMETER PRECAST MANHOLES.

② FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

③ PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

MANHOLE COVER OPENING MATRIX

MANHOLE COVER TYPE	C	ALL J'S	K	L	M
OPENING SIZE (FT)					
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

MANHOLE SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	36
7-FT	48	36
8-FT	60	42

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

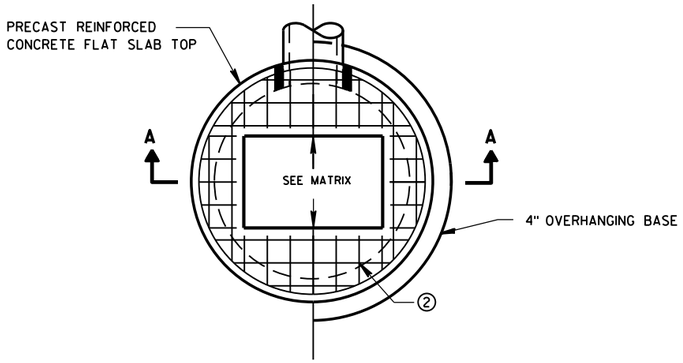
APPROVED

Sept., 2016
DATE

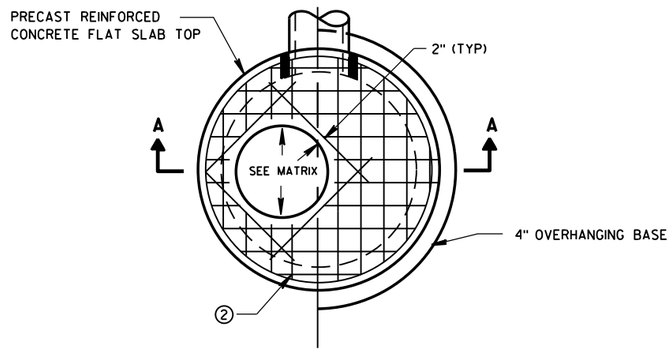
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERV

FHWA

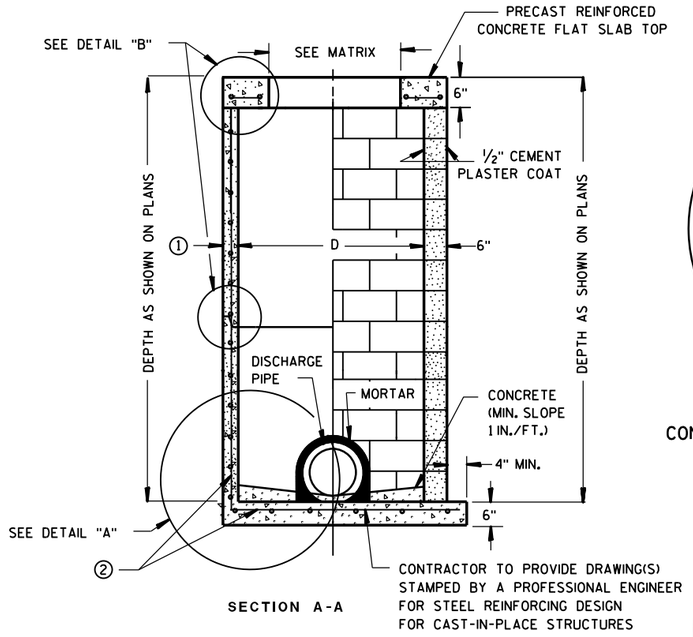
6
S.D.D. 8 B 9-2



PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

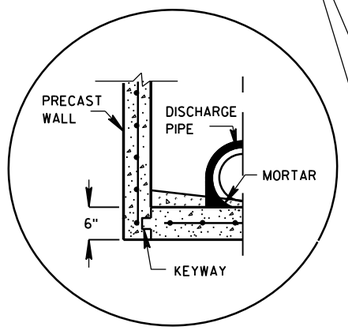


SECTION A-A

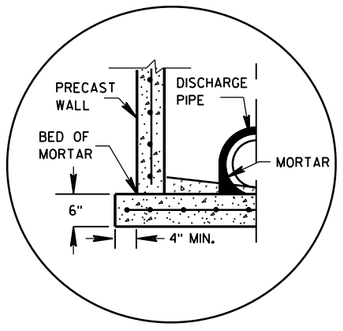
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

CIRCULAR INLETS W/ FLAT TOP

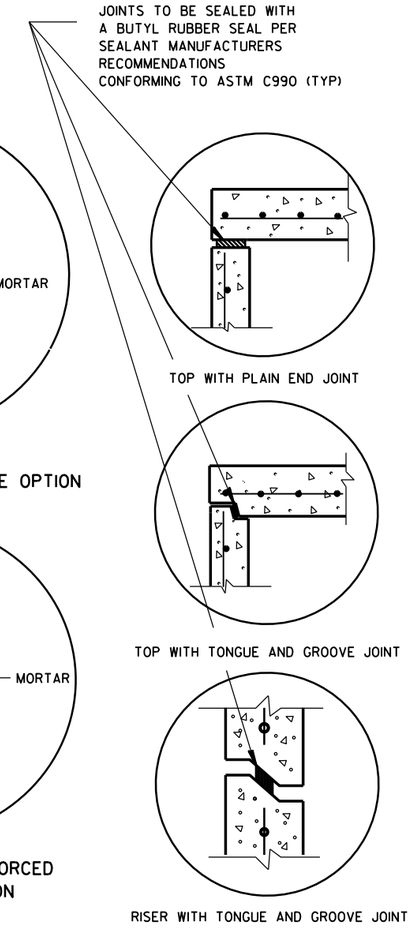


PRECAST REINFORCED
CONCRETE WITH INTEGRAL BASE OPTION



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.

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 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.

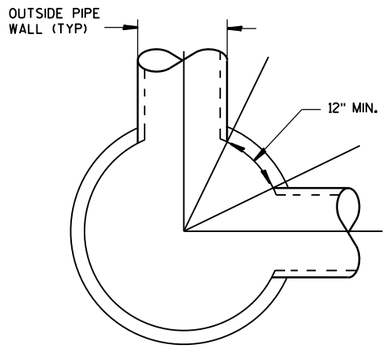
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

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

INLETS 3-FT
AND 4-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

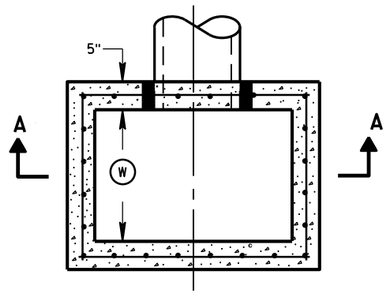
APPROVED
Sept., 2016 — /S/ Rodney Taylor
DATE — ROADWAY STANDARDS | ENT UNIT SUPERVI
FHWA

6

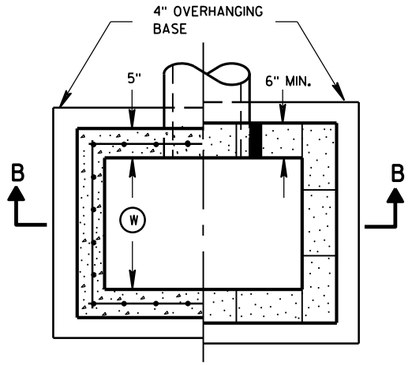
S.D.D. 8 C 6-2

6

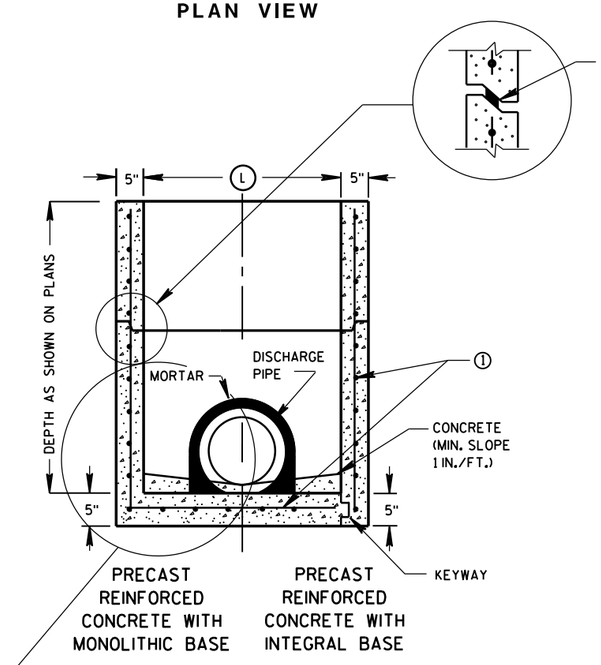
S.D.D. 8 C 6-2



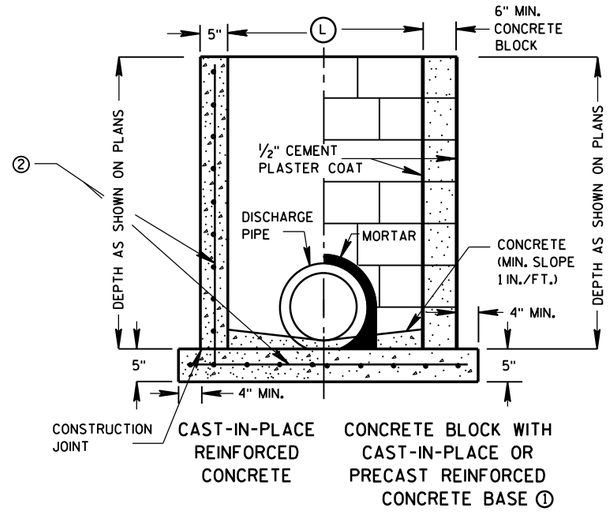
PLAN VIEW



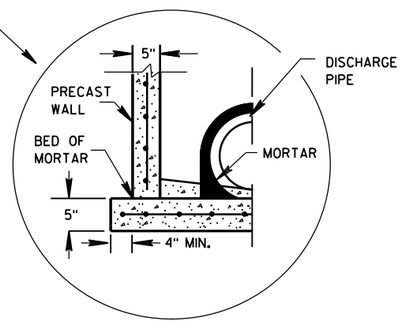
PLAN VIEW



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.

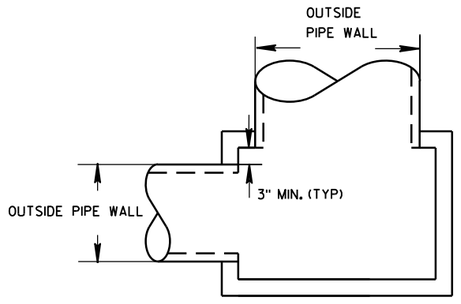
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH Ⓦ (FT)	LENGTH Ⓛ (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



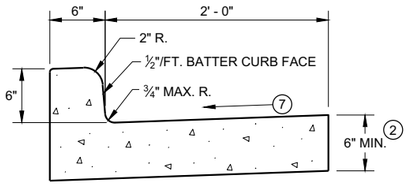
DETAIL "A"

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

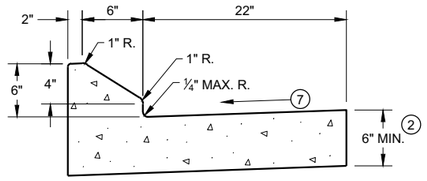
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS D IT
UNIT SUPERVIS
FHWA

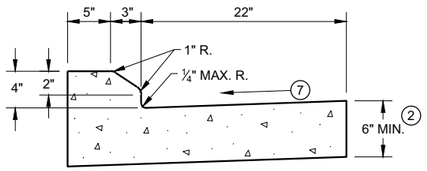
6
S.D.D. 8 C 7-2



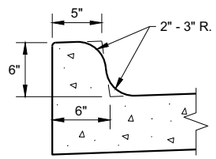
TYPES A (1) & D



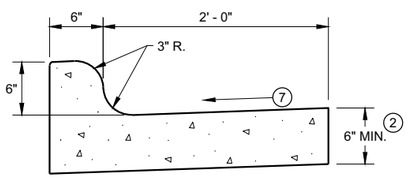
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

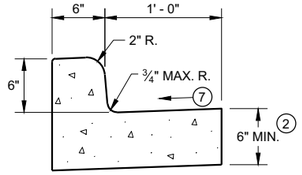


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



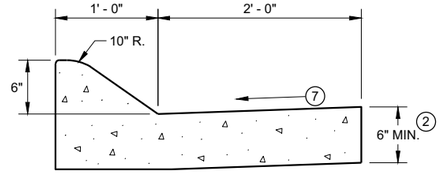
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

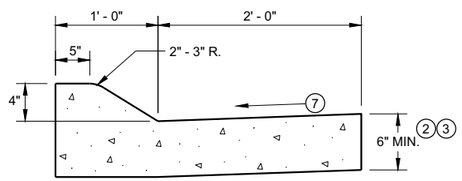


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

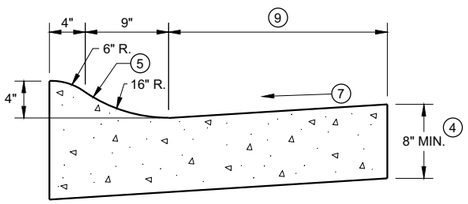


6" SLOPED CURB TYPES A (1) & D



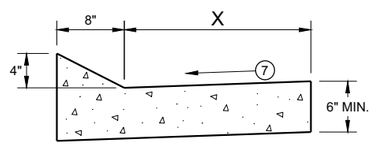
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

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

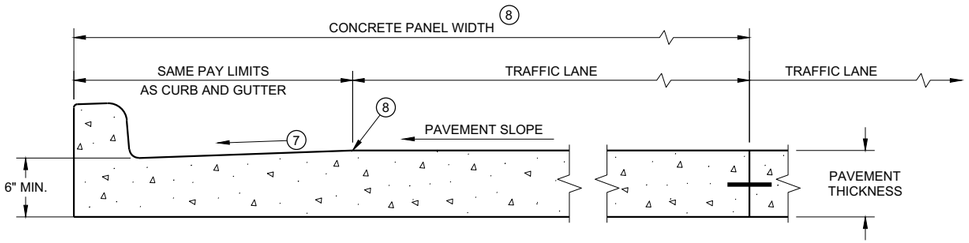


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

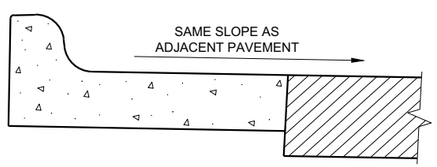
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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

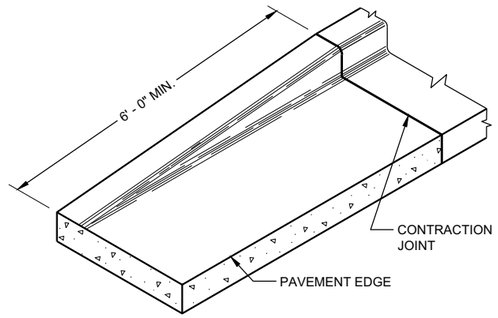
CONCRETE CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

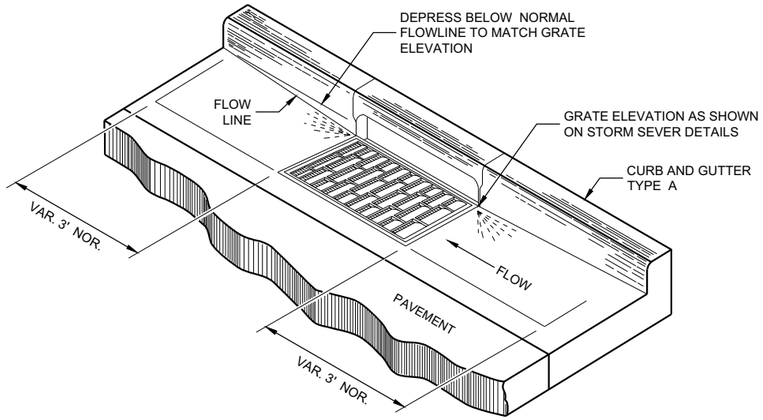
6

SDD 08D01 - 22a

SDD 08D01 - 22a



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.

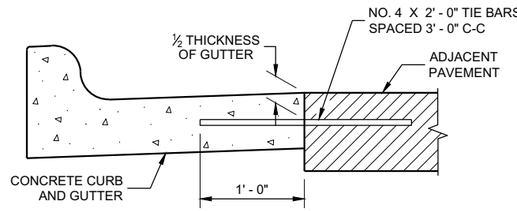
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

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

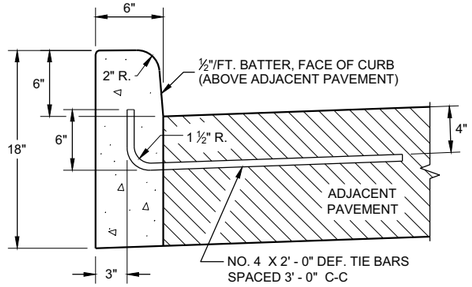
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(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.

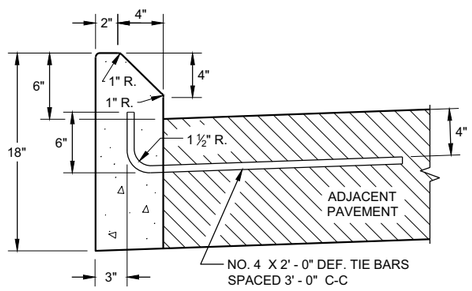
(9) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.



TYPICAL TIE BAR LOCATION (1)

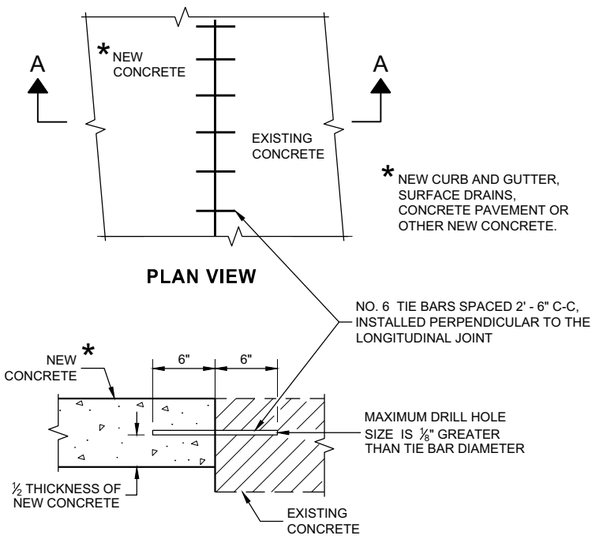


TYPES A (1) & D



TYPES G (1) & J

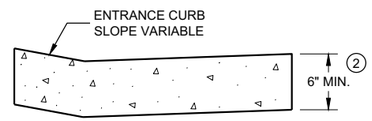
CONCRETE CURB



PLAN VIEW

SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT



DRIVEWAY ENTRANCE CURB (9)
(WHEN DIRECTED BY THE ENGINEER)

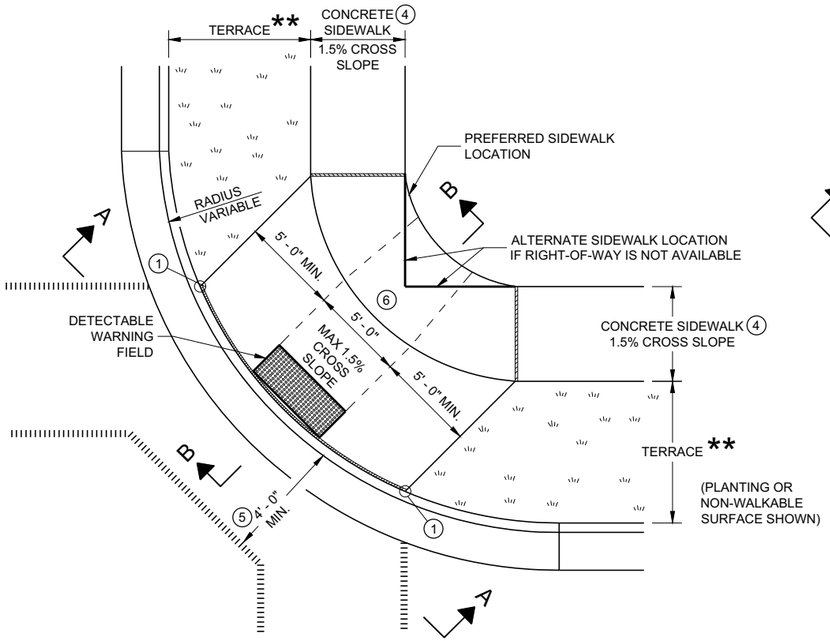
CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

6

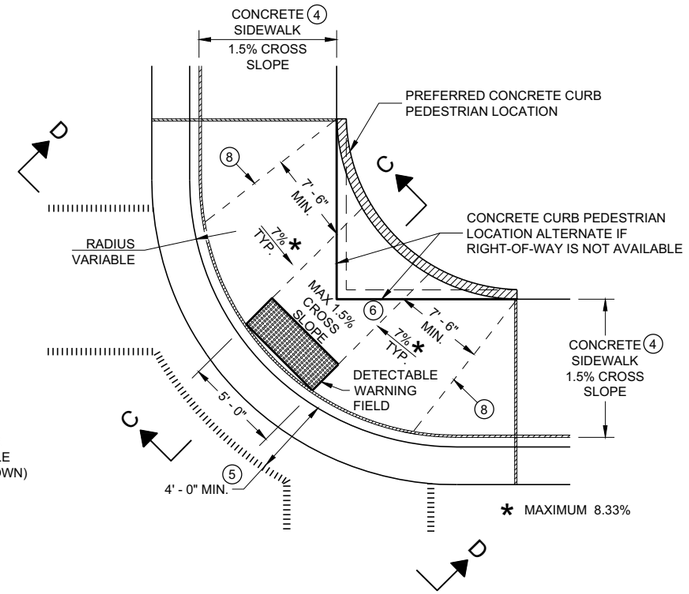
SDD08D01 - 22b



PLAN VIEW

CURB RAMP TYPE 1

(CENTER OF CORNER RADIUS)



PLAN VIEW

CURB RAMP TYPE 1 - A

(NO TERRACE)

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.

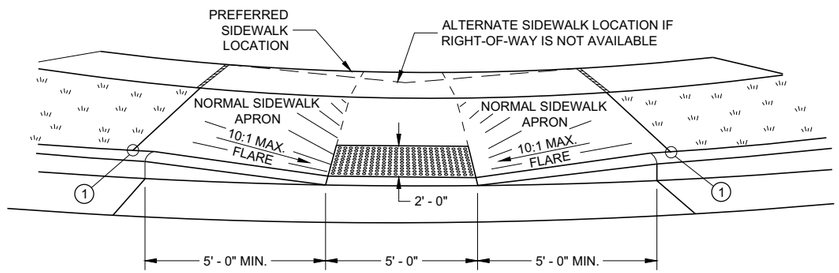
(3) MAXIMUM 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

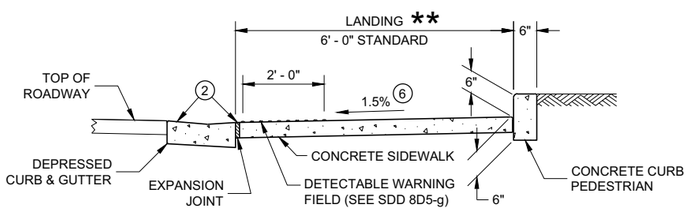
(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA.

(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.

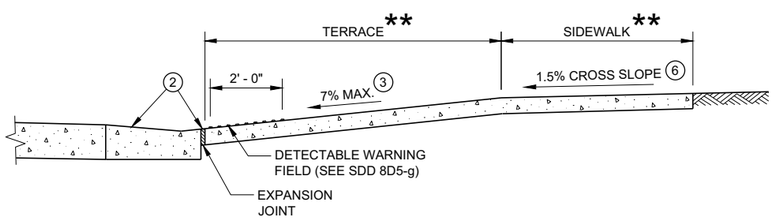


VIEW A - A FOR TYPE 1

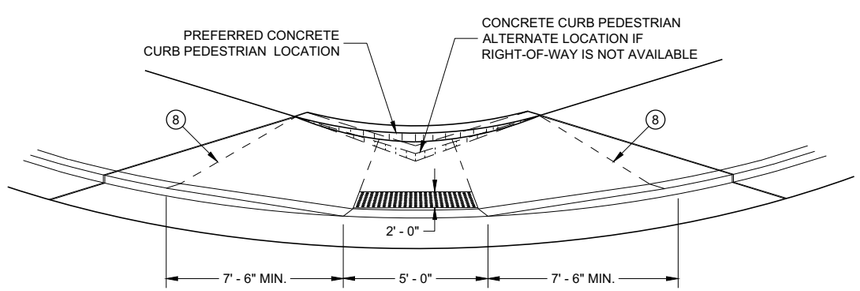


SECTION C - C FOR TYPE 1 - A

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B - B FOR TYPE 1



VIEW D - D FOR TYPE 1 - A

LEGEND

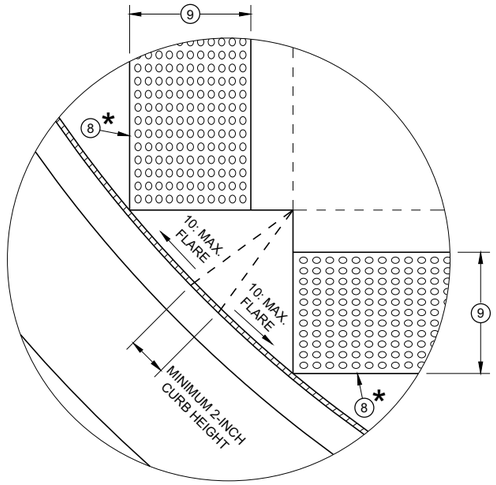
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPE 1 AND 1-A

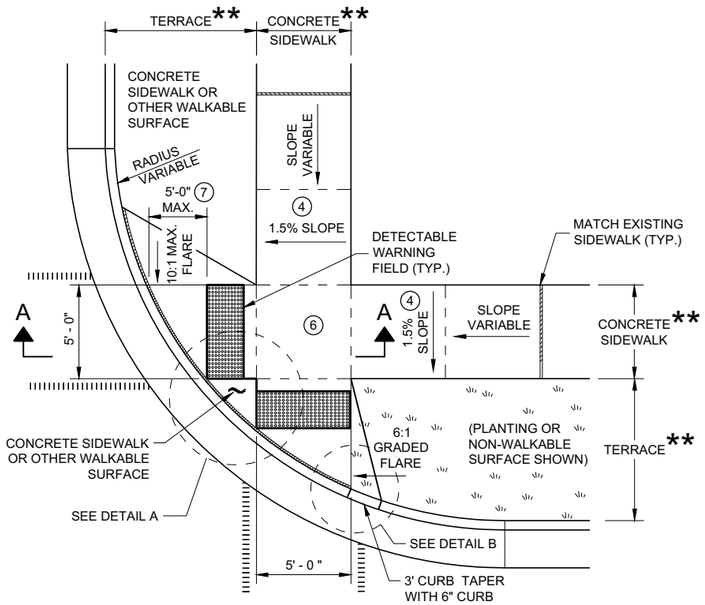
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 08D05 - 20a

SDD 08D05 - 20a



DETAIL A



PLAN VIEW
CURB RAMP TYPE 2
(CENTER OF CORNER RADIUS)

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.

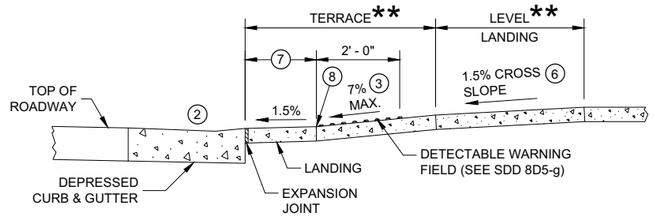
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(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.

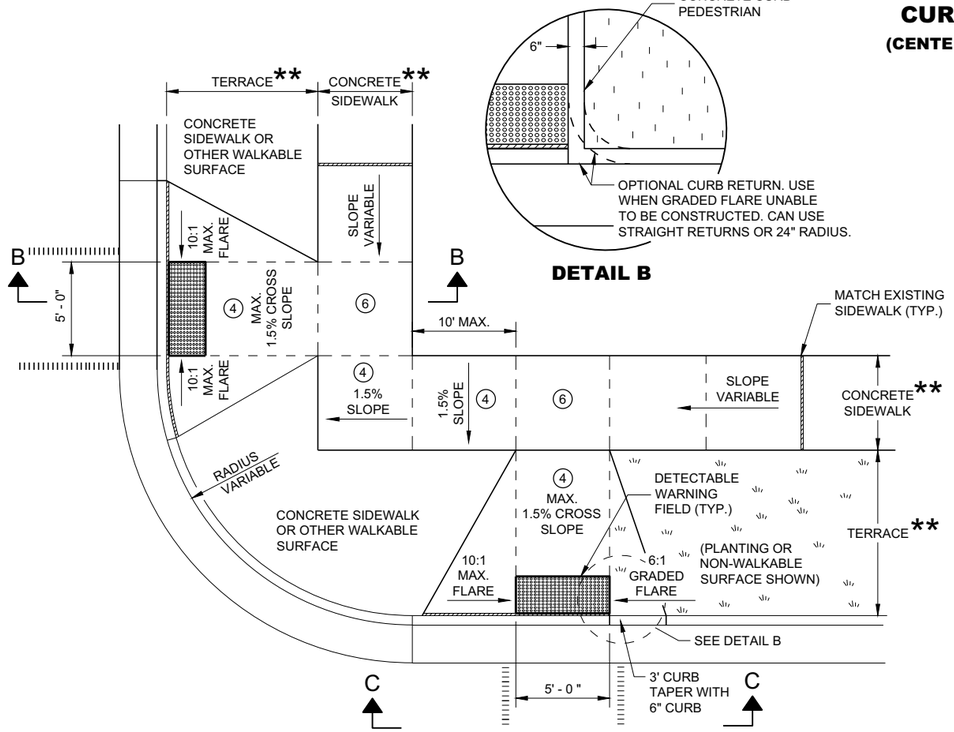
(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.



SECTION A - A FOR TYPE 2

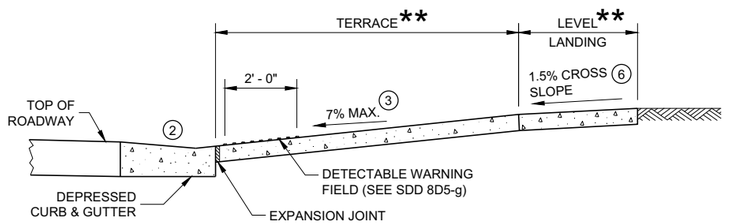
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

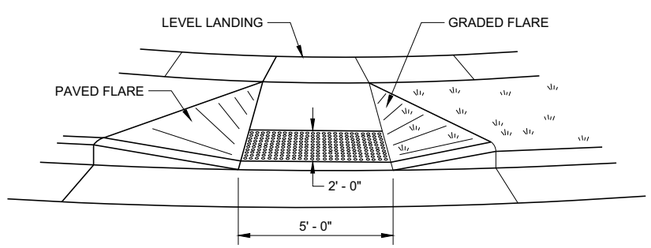


DETAIL B

PLAN VIEW
CURB RAMP TYPE 3
(OUTSIDE OF CROSSWALK AREA)



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

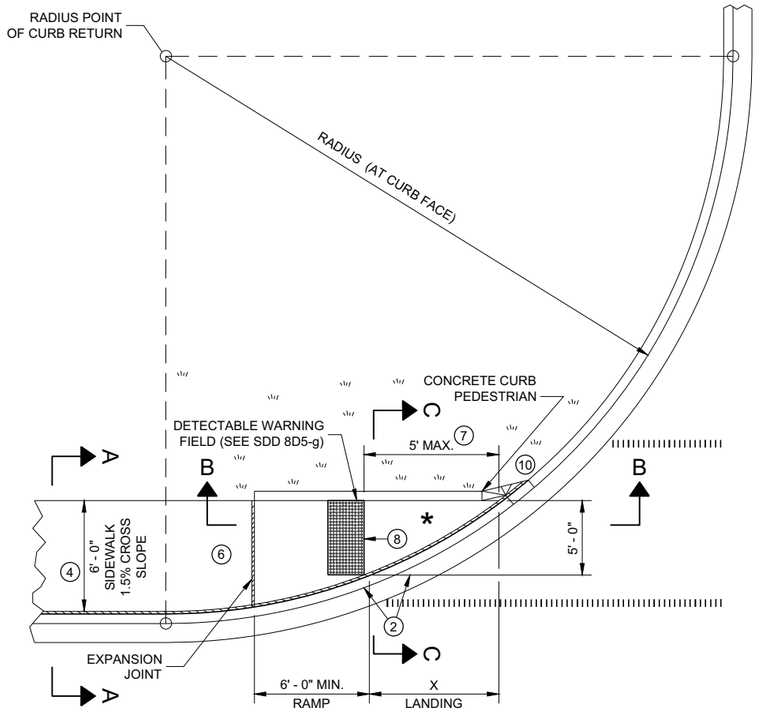
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20b

6

SDD 08D05 - 20b

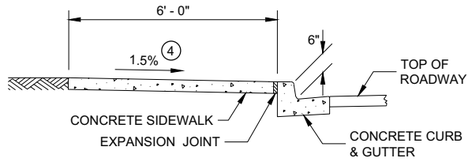


PLAN VIEW

CURB RAMP TYPE 4A

RADIUS (AT CURB FACE)	X
10 FEET	4' - 7"
15 FEET	6' - 5½"

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.

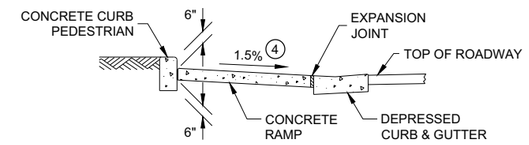
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

LEGEND

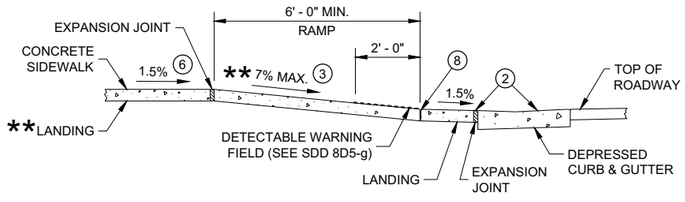
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)



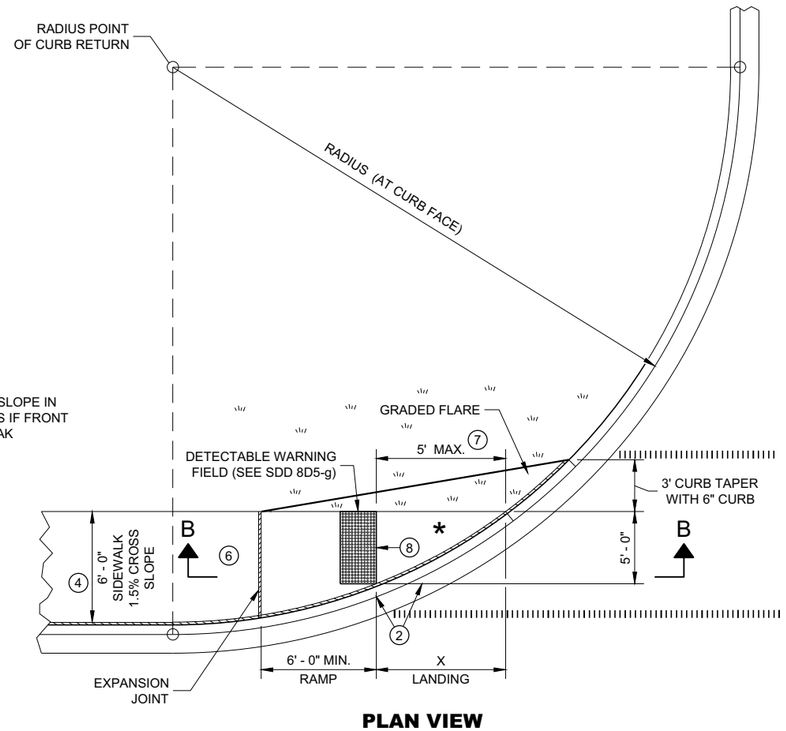
SECTION C - C FOR TYPE 4A



SECTION B - B FOR TYPE 4A AND TYPE 4A1

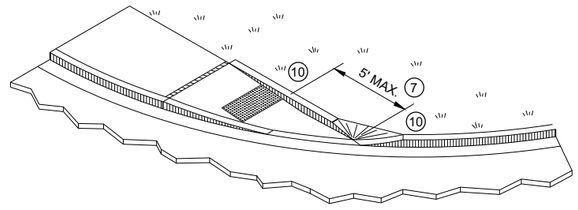
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

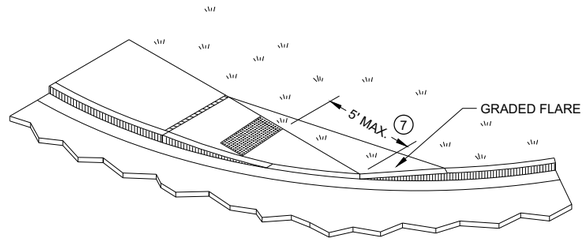


PLAN VIEW

CURB RAMP TYPE 4A1



ISOMETRIC VIEW FOR TYPE 4A



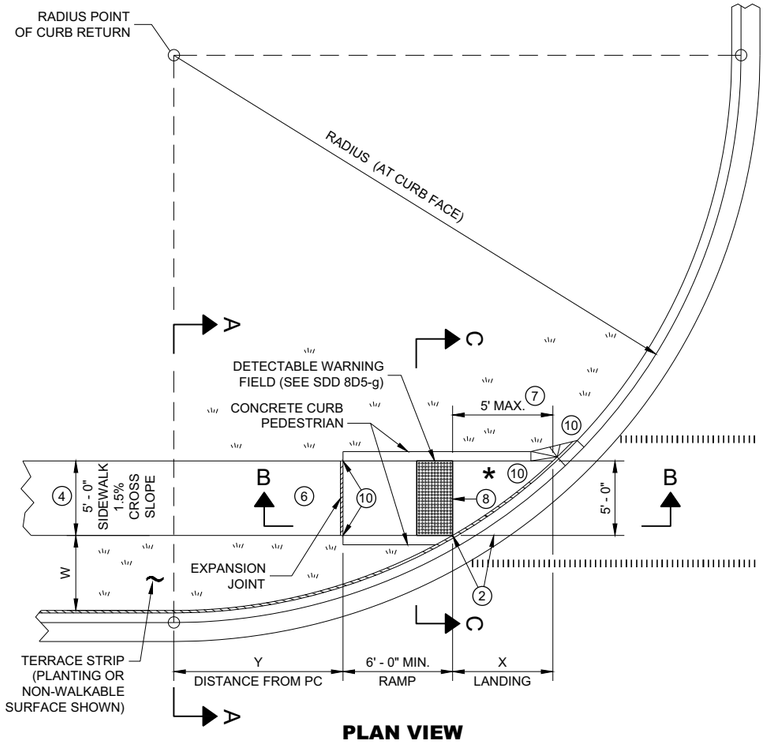
ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20c



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 ¼"	0' - 5"	2' - 1"	1' - 4 ½"	1' - 5"	2' - 1"	0' - 10"	2' - 7 ½"	0' - 3 ¼"	3' - 0 ¼"						
15 FEET	4' - 6 ¾"	2' - 1 ¾"	3' - 9"	3' - 5 ¾"	3' - 1 ¼"	4' - 6"	2' - 6 ¾"	5' - 4 ½"	2' - 1"	6' - 1"	1' - 8"	6' - 8 ½"	1' - 3 ¼"	7' - 2 ½"	0' - 10 ¾"	7' - 7 ¼"
20 FEET	5' - 9 ¾"	3' - 6 ½"	4' - 11 ½"	5' - 1 ¾"	4' - 3 ¼"	6' - 5 ½"	3' - 8 ¾"	7' - 7"	3' - 3"	8' - 6 ½"	2' - 10"	9' - 4 ½"	2' - 5 ½"	10' - 1 ¼"	2' - 1 ¼"	10' - 9"
30 FEET			6' - 9 ¼"	7' - 11 ¼"	6' - 0 ¼"	9' - 8"	5' - 5"	11' - 1 ¾"	4' - 10 ¾"	12' - 5 ¾"	4' - 5 ½"	13' - 7 ¾"	4' - 0 ¾"	14' - 8 ½"	3' - 8 ½"	15' - 8 ¼"
40 FEET									6' - 1 ¾"	15' - 8 ½"	5' - 8"	17' - 2"	5' - 3"	18' - 5 ¾"	4' - 10 ¾"	19' - 8 ¼"
50 FEET															5' - 10 ¼"	23' - 2"

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)

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.

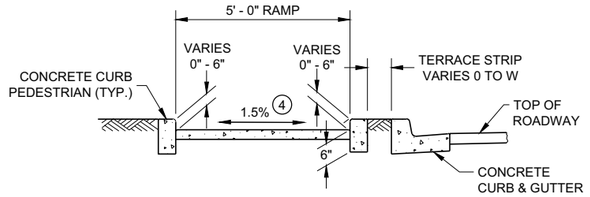
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

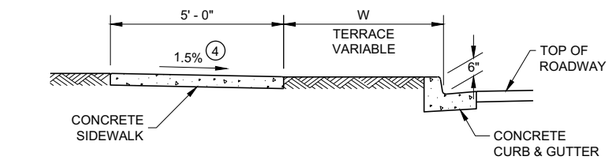
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

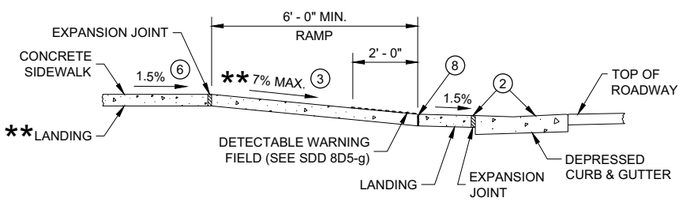
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



SECTION C - C FOR TYPE 4B



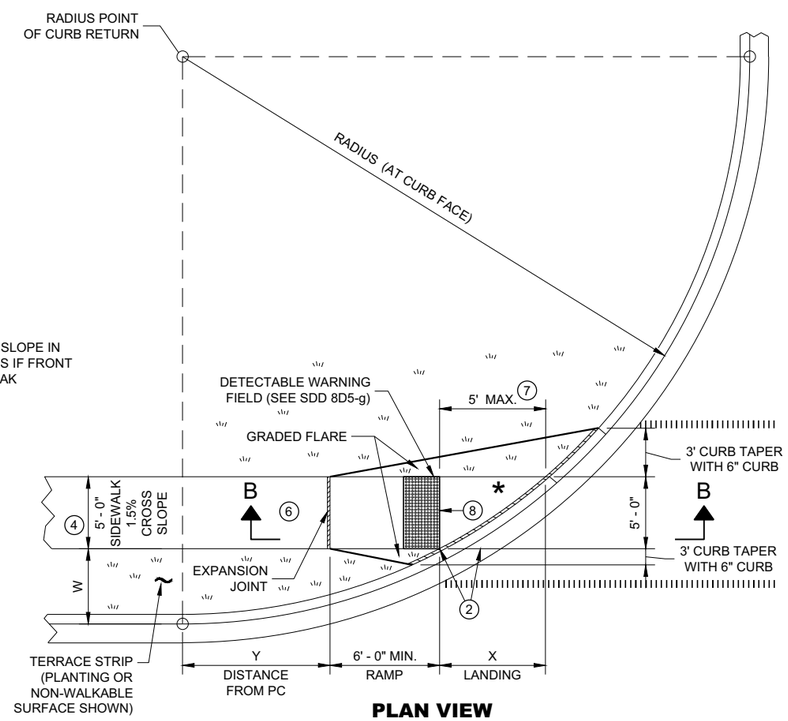
SECTION A - A FOR TYPE 4B



** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

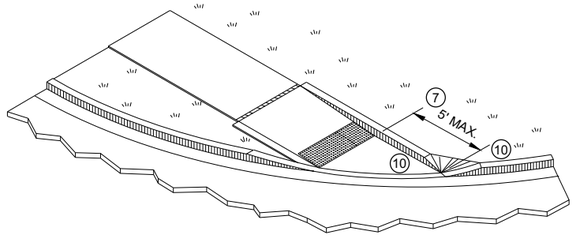
SECTION B - B FOR TYPE 4B AND TYPE 4B1

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

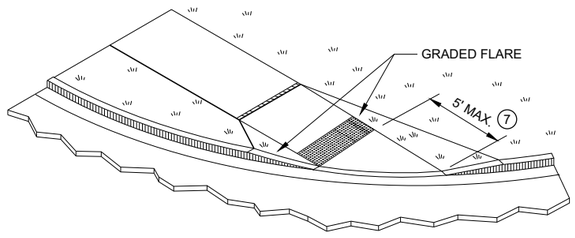


PLAN VIEW

CURB RAMP TYPE 4B1



ISOMETRIC VIEW FOR TYPE 4B



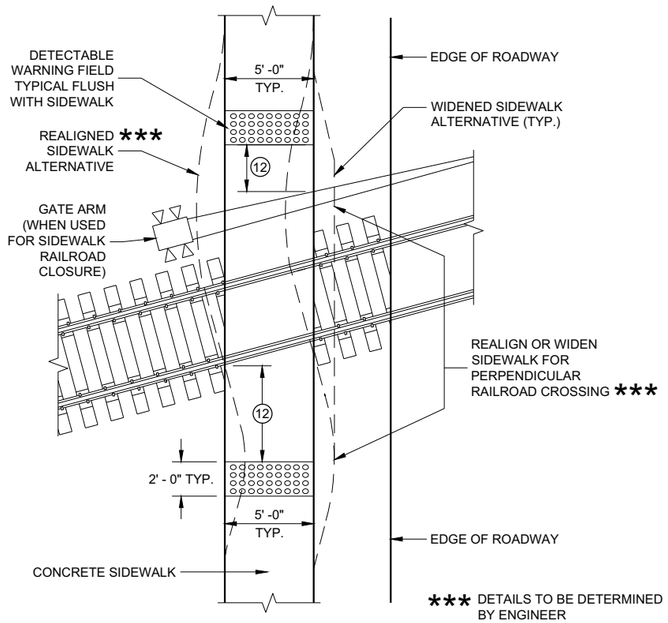
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

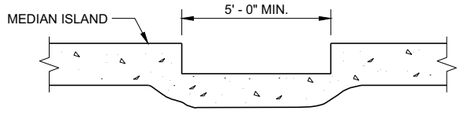
6

SDD 08D05 - 20d

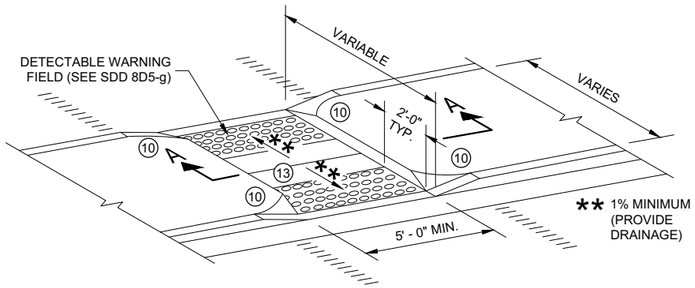


CURB RAMP TYPE 8

DETECTABLE WARNINGS AT RAILROAD CROSSING



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.

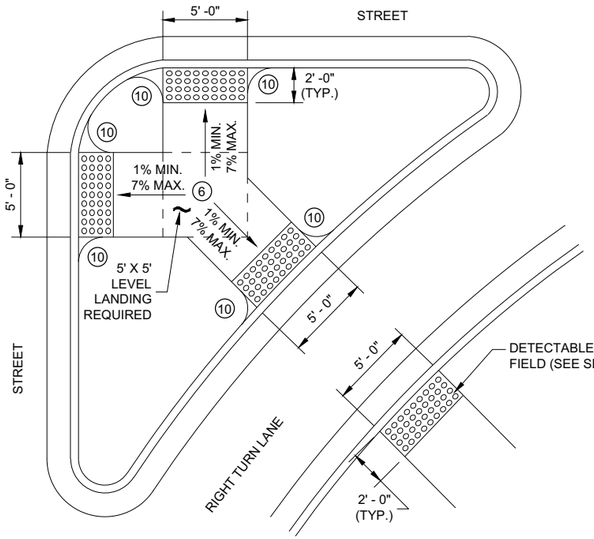
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(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. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD CROSSING SHALL BE 15 FEET 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

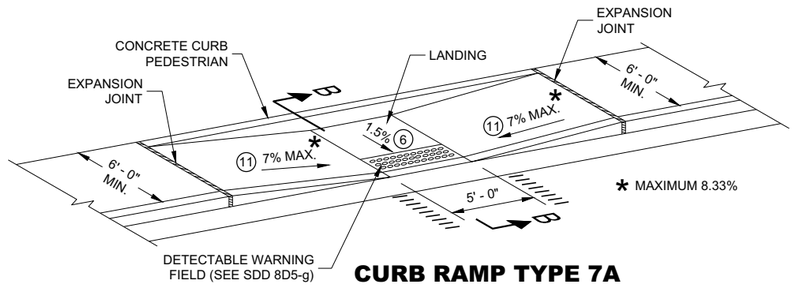
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



CURB RAMP TYPE 6

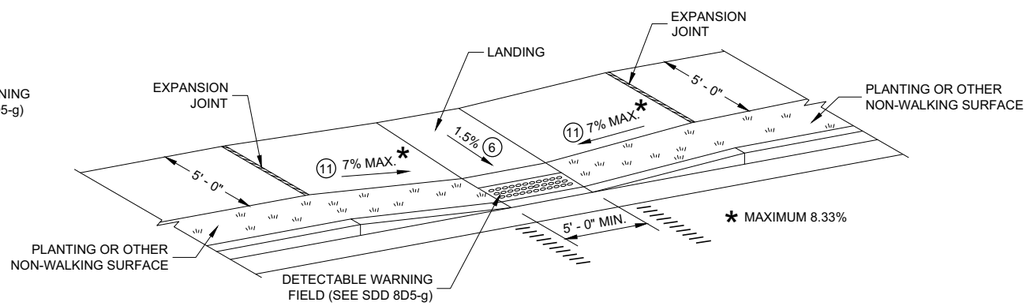
DETECTABLE WARNING AT ISLANDS

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS



CURB RAMP TYPE 7A

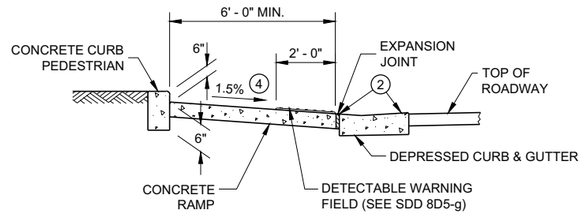
MID BLOCK CROSSING



CURB RAMP TYPE 7B

MID BLOCK CROSSING

NOTE: THESE PARALLEL AND PARALLEL/PERPENDICULAR CURB RAMPS MAY BE USED AT INTERSECTIONS AND MID BLOCK LOCATIONS.



SECTION B - B FOR TYPE 7A

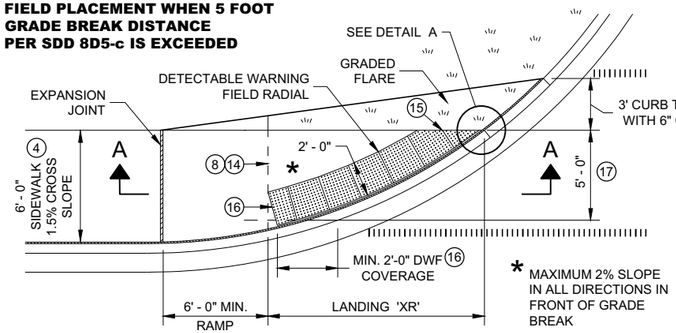
CURB RAMPS TYPE 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20e

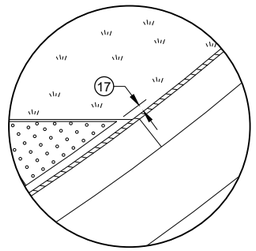
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



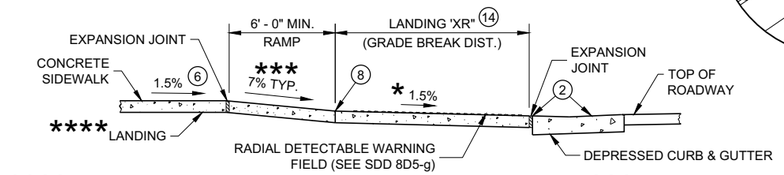
PLAN VIEW

CURB RAMP TYPE 4A1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL A

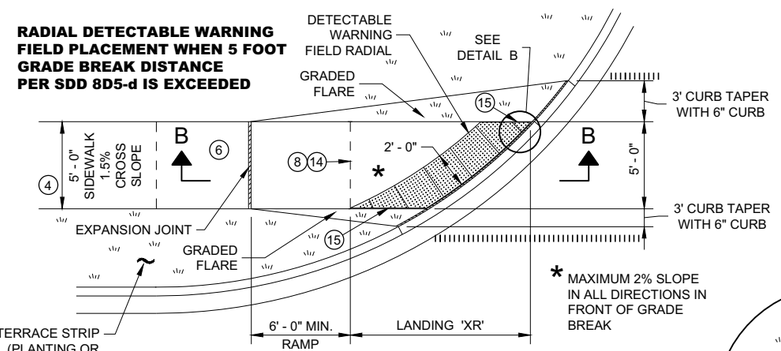


**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION A - A FOR TYPE 4A1

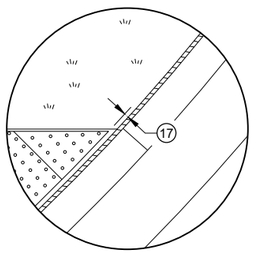
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED



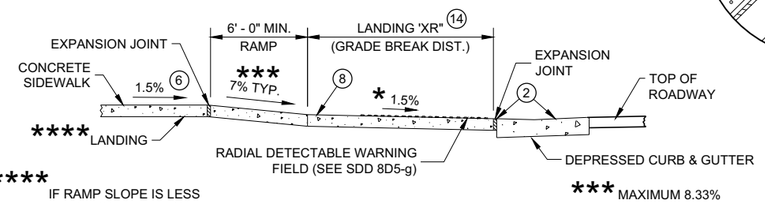
PLAN VIEW

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.

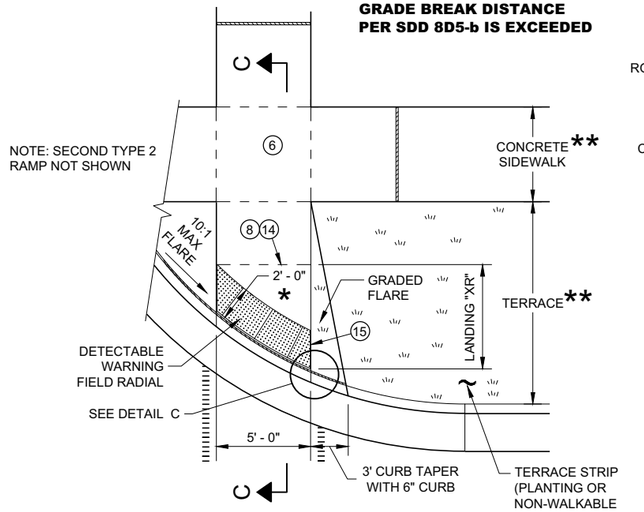
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(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 WITH IS ALLOWABLE IN FROM 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

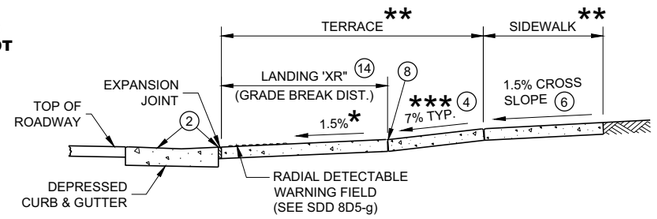


PLAN VIEW

CURB RAMP TYPE 2

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

(ON LINE WITH SIDEWALK)

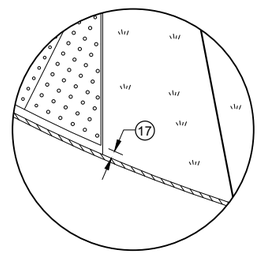


SECTION C - C FOR TYPE 2

* MAXIMUM 2% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** MAXIMUM 8.33%



DETAIL C

CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS

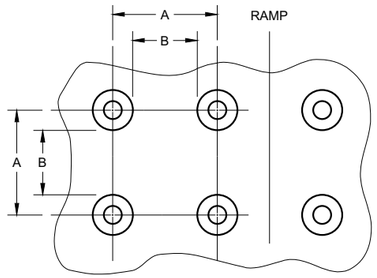
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 08D05 - 20f

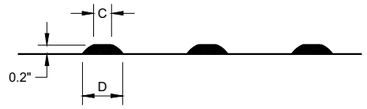
SDD 08D05 - 20f

	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.

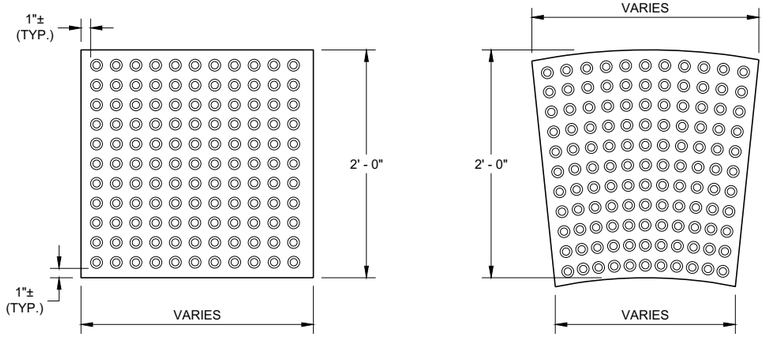


PLAN VIEW



ELEVATION VIEW

TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



RECTANGULAR PLATES

RADIAL PLATES

PLAN VIEW
DETECTABLE WARNING FIELDS (TYPICAL)

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.

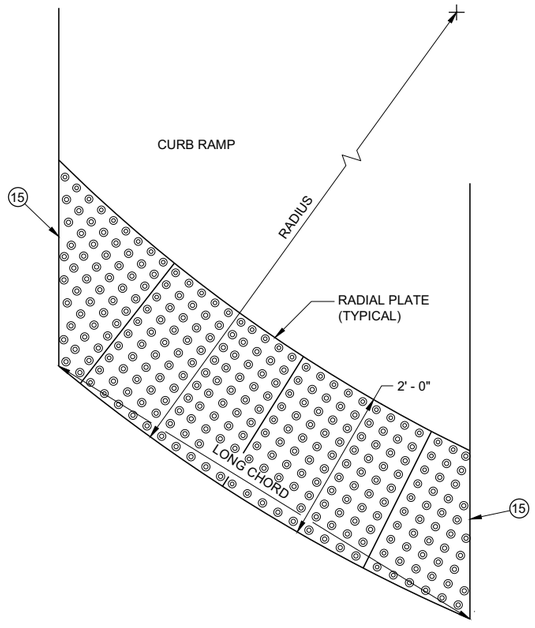
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

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.

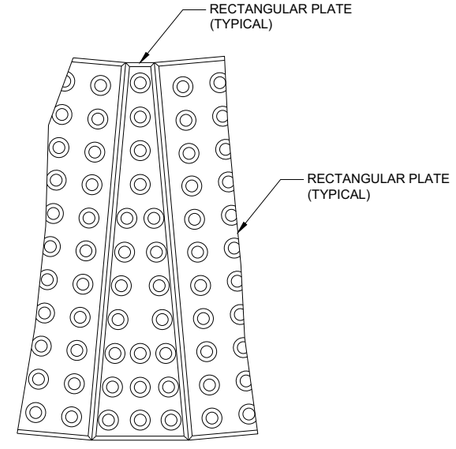
REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

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.



PLAN VIEW
RADIAL DETECTABLE WARNING FIELD ATTRIBUTES



PLAN VIEW
RADIAL WEDGE PLATE CONNECTION DETAIL

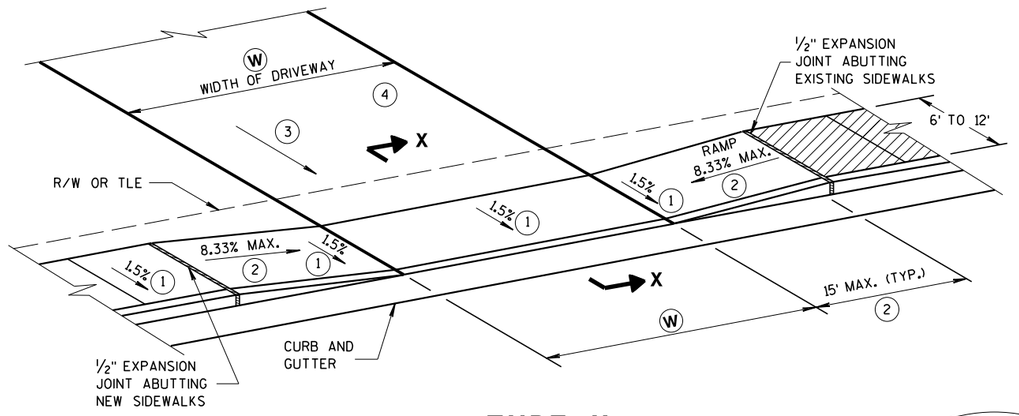
CURB RAMPS
RECTANGULAR AND RADIAL
DETECTABLE WARNING PLATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

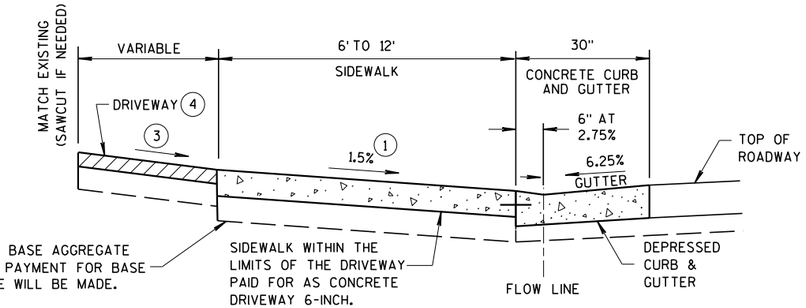
APPROVED
May 2019
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE
UNIT SUPERVISOR

FHWA

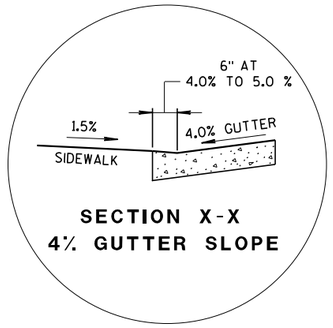
6
SDD 08D05 - 20g



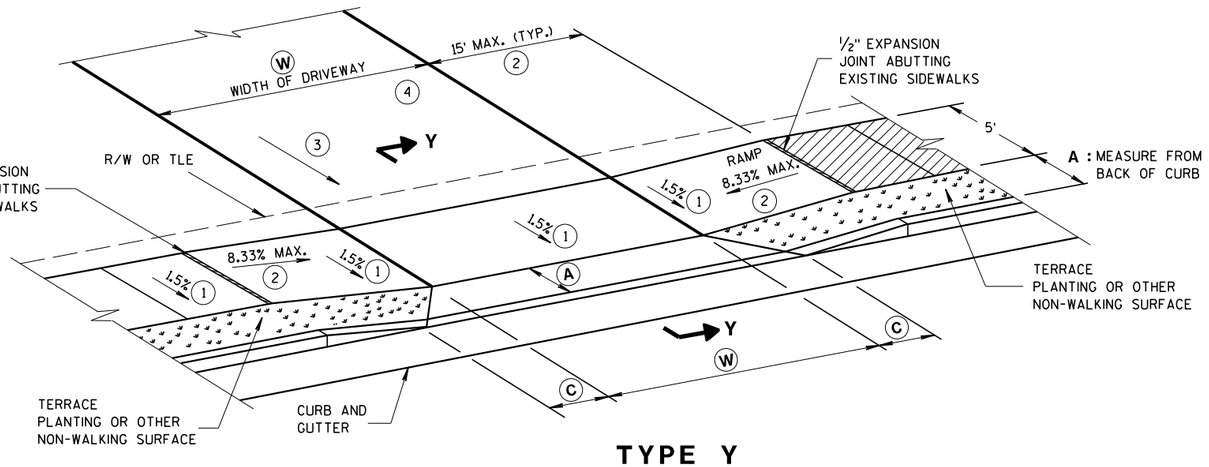
TYPE X
SIDEWALK ABUTS CURB & GUTTER
TERRACE VARIES 0 TO 3 FEET



SECTION X-X



SECTION X-X
4% GUTTER SLOPE



TYPE Y
SIDEWALK WITH NARROWER TERRACE
TERRACE VARIES 4 TO 6 FEET

W
12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)
16' MIN. - 35' MAX. COMMERCIAL (CE)

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.

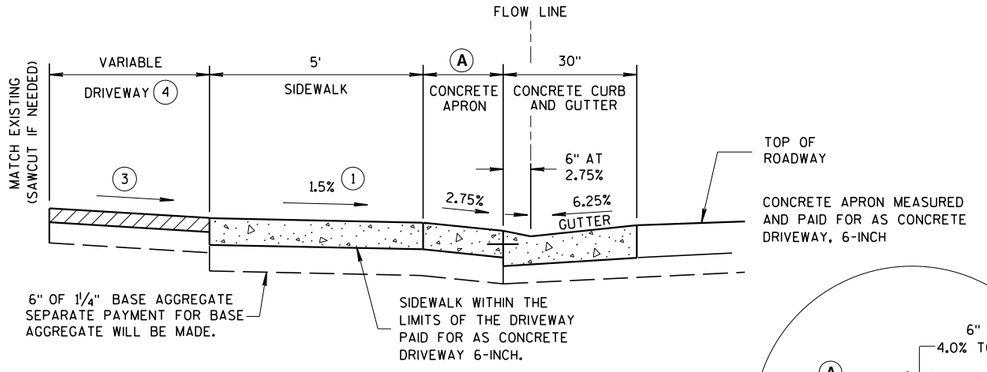
OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

(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. 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

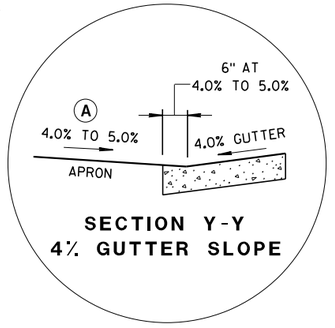
(4) DRIVEWAY TYPES
- 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE
- 2-INCH TO 3-INCH ASPHALTIC SURFACE OVER 6-INCH BASE AGGREGATE
- 6-INCH BASE AGGREGATE (MAY BE INCREASED FOR CLAY SUBGRADES)



NOTE: SIDEWALK MAY BE DEPRESSED IN DRIVEWAY AREAS

SECTION Y-Y

DRIVEWAY DETAIL
WITH CONCRETE CURB & GUTTER
(URBAN AND SUBURBAN)



SECTION Y-Y
4% GUTTER SLOPE

TABLE Y

A FEET	C FEET
3.5'	2.0'
4.5'	3.0'
5.5'	3.5'

NOT TO SCALE

DRIVEWAY AND SIDEWALK RAMPS TYPES X & Y

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

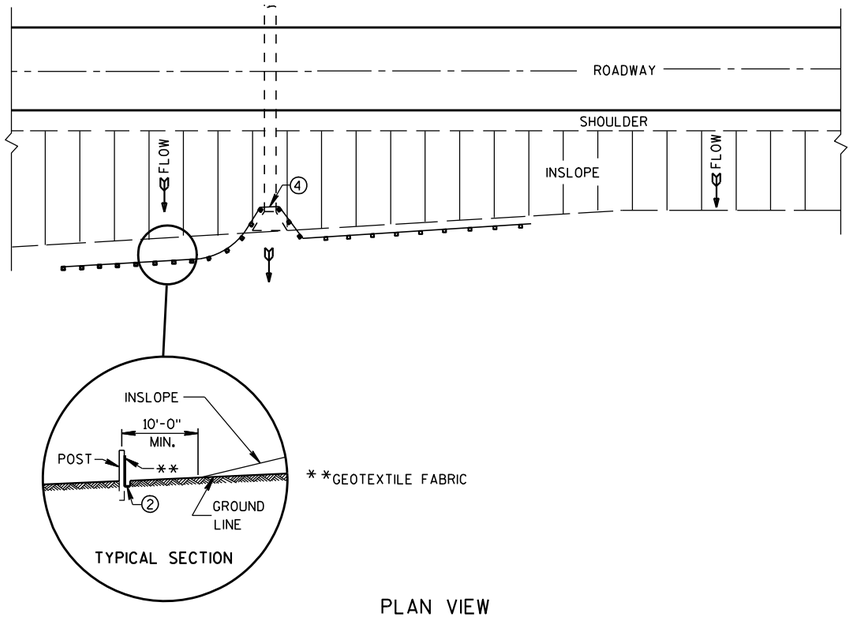
APPROVED
March 2018 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR
FHWA

6

S.D.D. 8 D 18-2

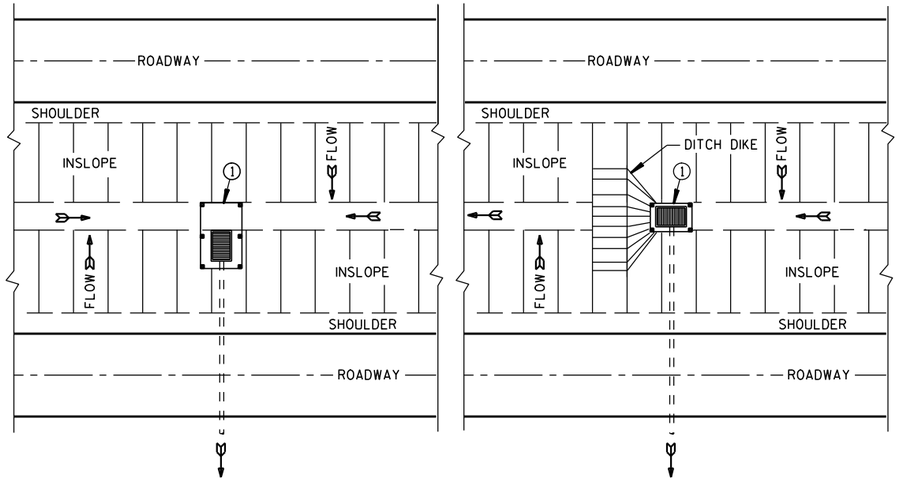
6

S.D.D. 8 D 18-2



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



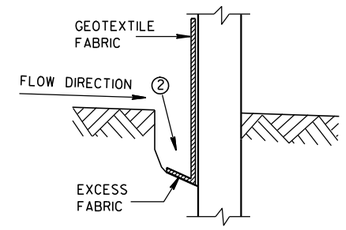
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

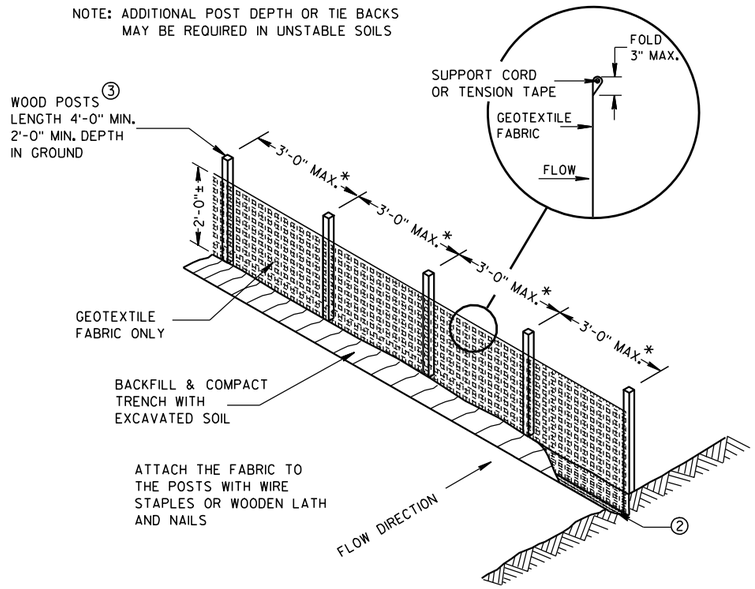
GENERAL NOTES

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

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

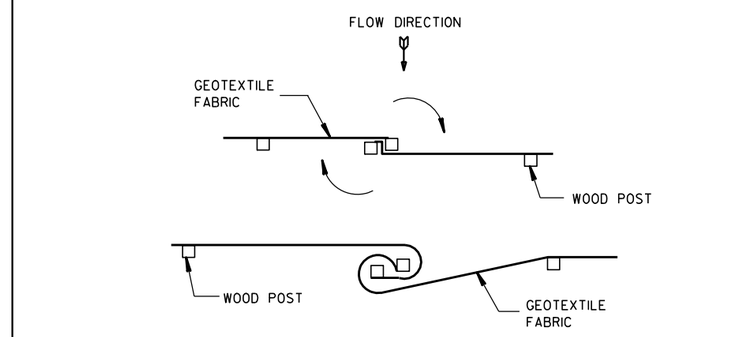


TRENCH DETAIL

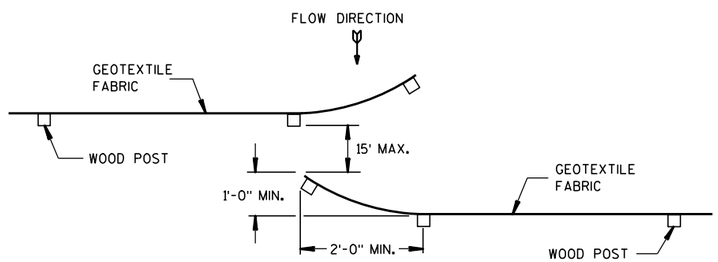


*NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

SILT FENCE

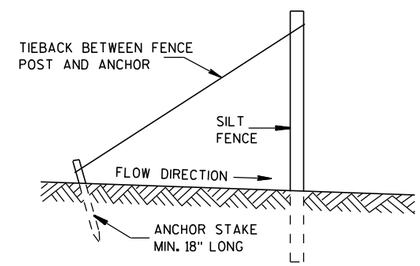


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

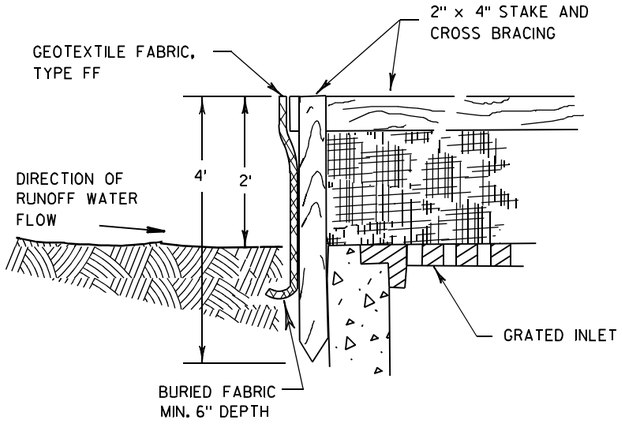
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

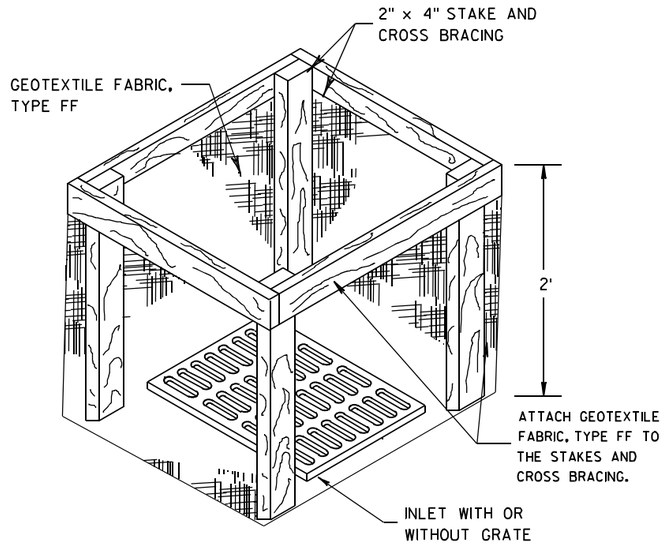
6

S.D.D. 8 E 9-6

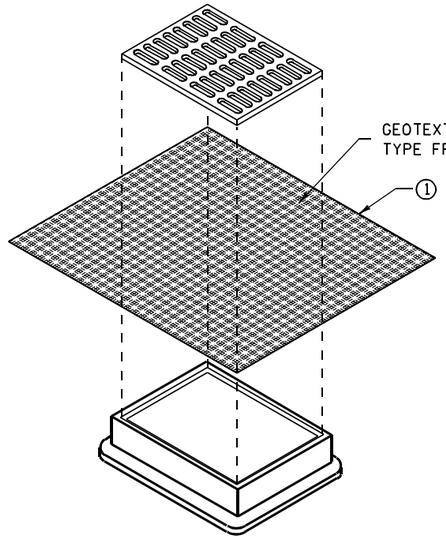
6

S.D.D. 8 E 9-6



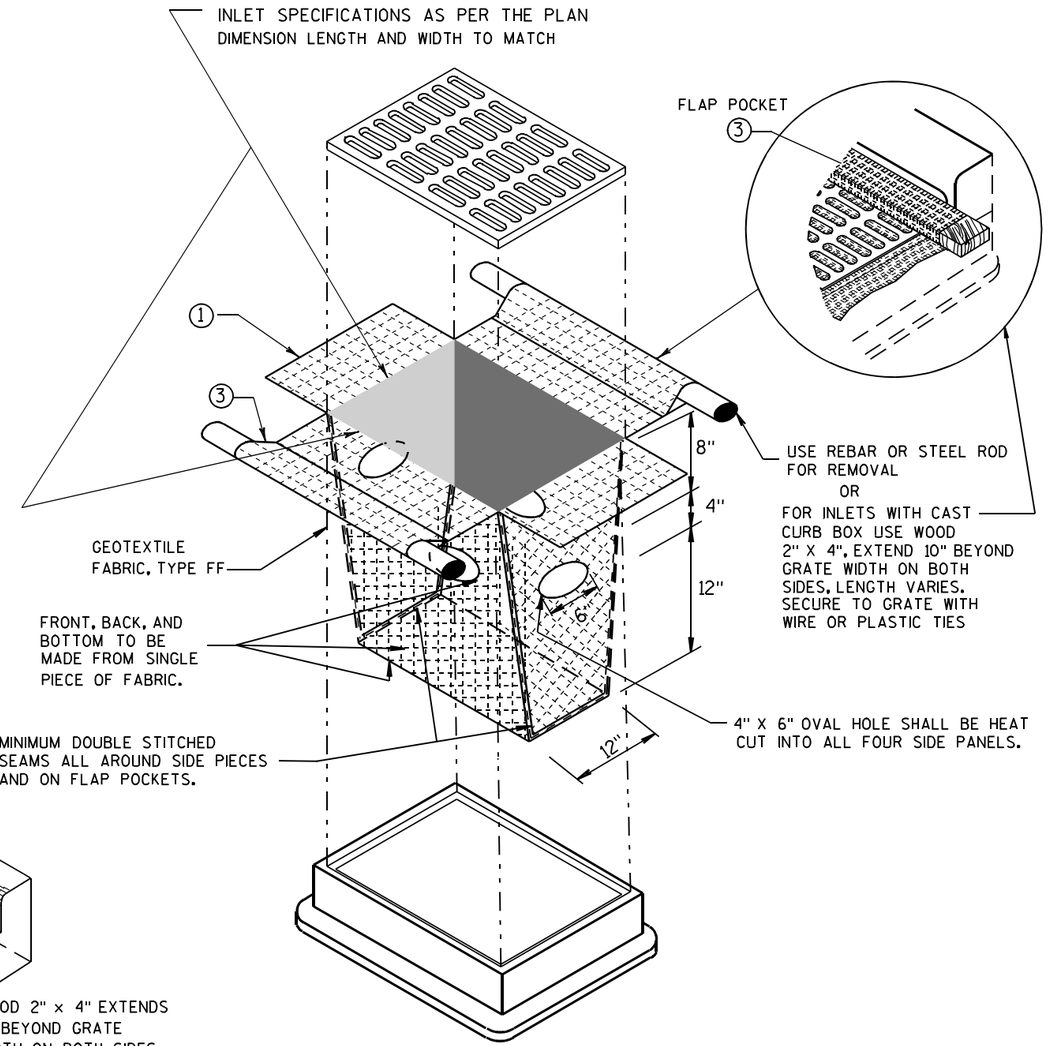


INLET PROTECTION, TYPE A



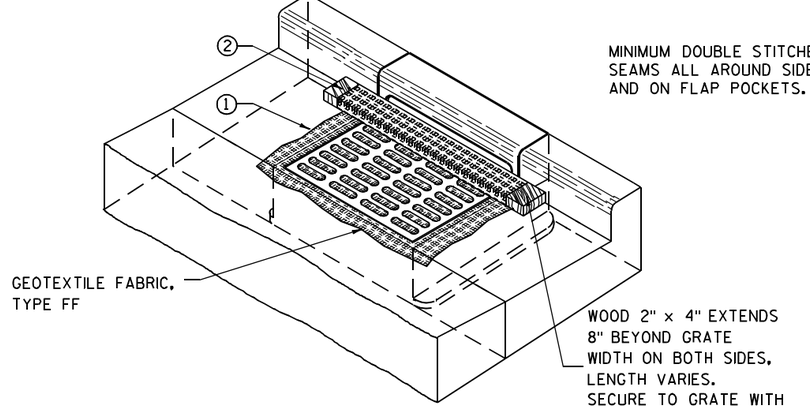
INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(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.

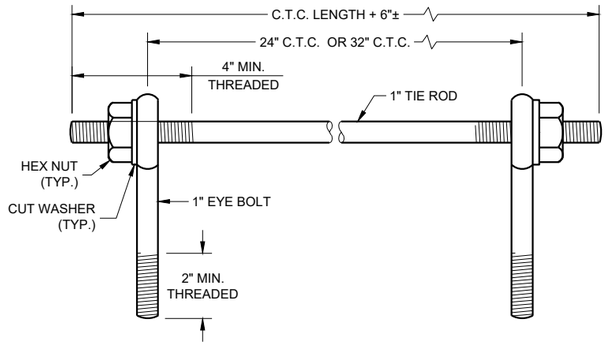
TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

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.

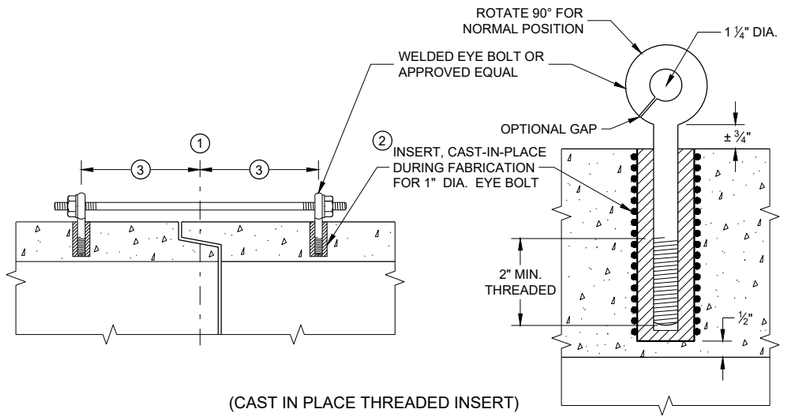
INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/16/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA



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.

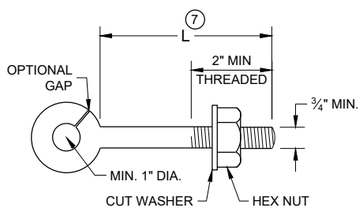
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

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

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

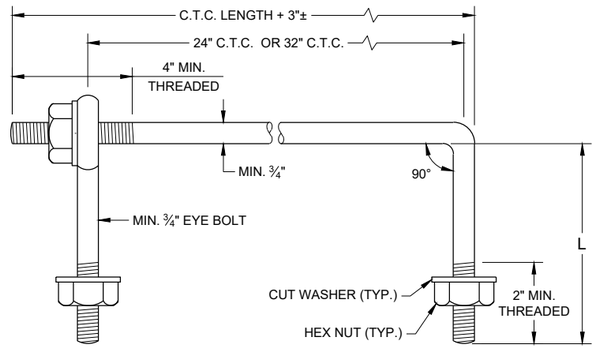
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

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

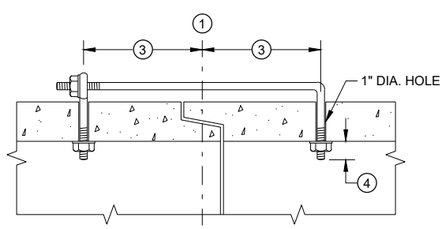


EYE BOLT (7)

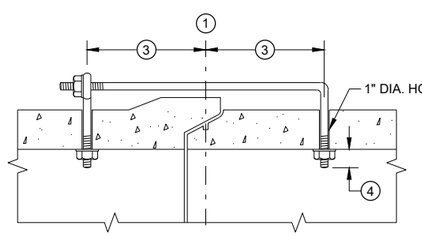
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

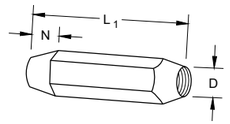
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

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

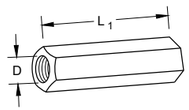
ADJUSTABLE TIE ROD TABLE

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



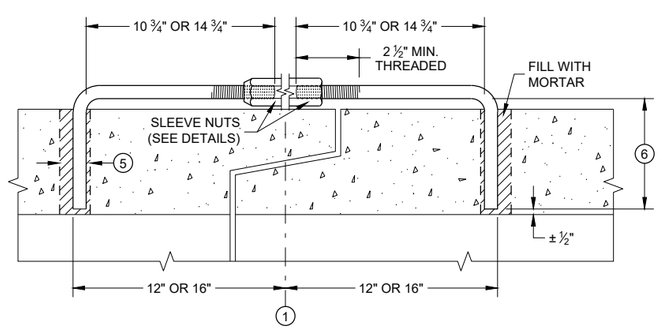
TAPERED



PLAIN

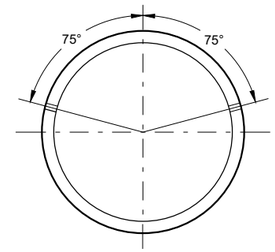
RIGHT AND LEFT THREADS

SLEEVE NUTS



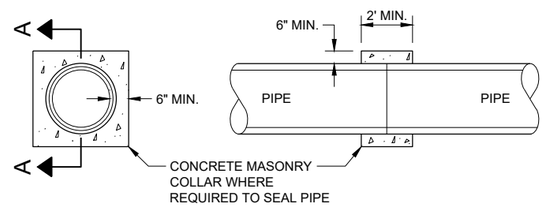
LONGITUDINAL SECTION

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 FO CONCRETE PIPE AND CONCRETE COLLAR DETAIL

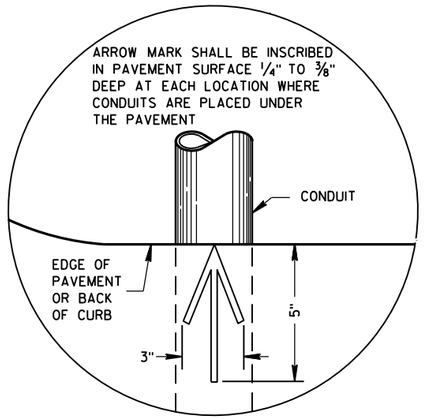
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA

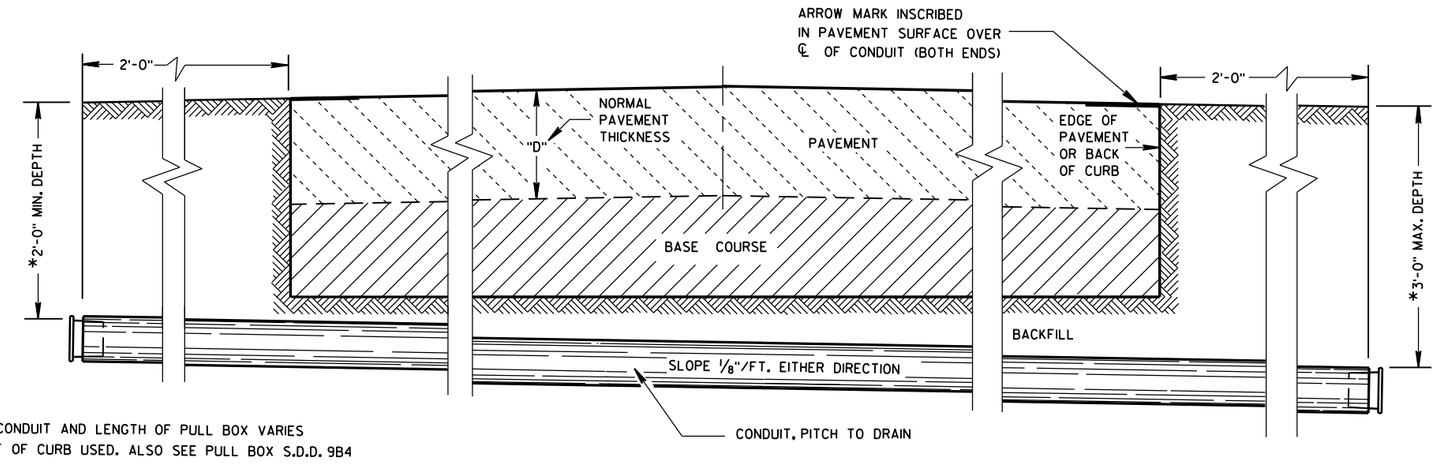
SDD 08F04 - 08

SDD 08F04 - 08



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

6

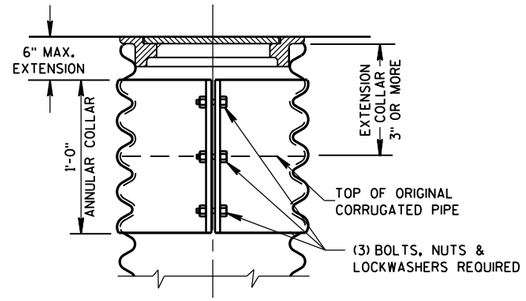
S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

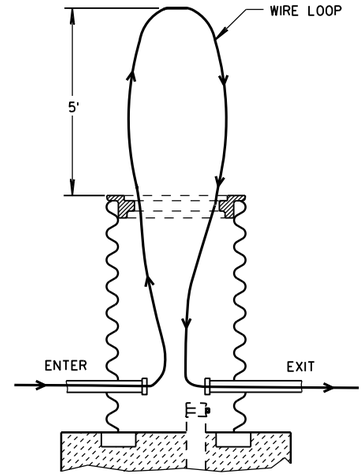
DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4
FRAME	E	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2	26 1/2	26 1/2	26 1/2
FRAME	F	8 1/2	8 1/2	8 1/2	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2
FRAME	G	11 1/2	11 1/2	11 1/2	17 1/2	17 1/2	17 1/2	23 1/2	23 1/2	23 1/2
WEIGHT IN POUNDS *										
FRAME AND COVER		60	60	60	110	110	110	155	155	155

* THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.

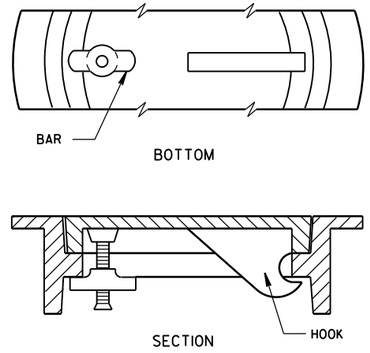
** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.



CORRUGATED PIPE EXTENDER

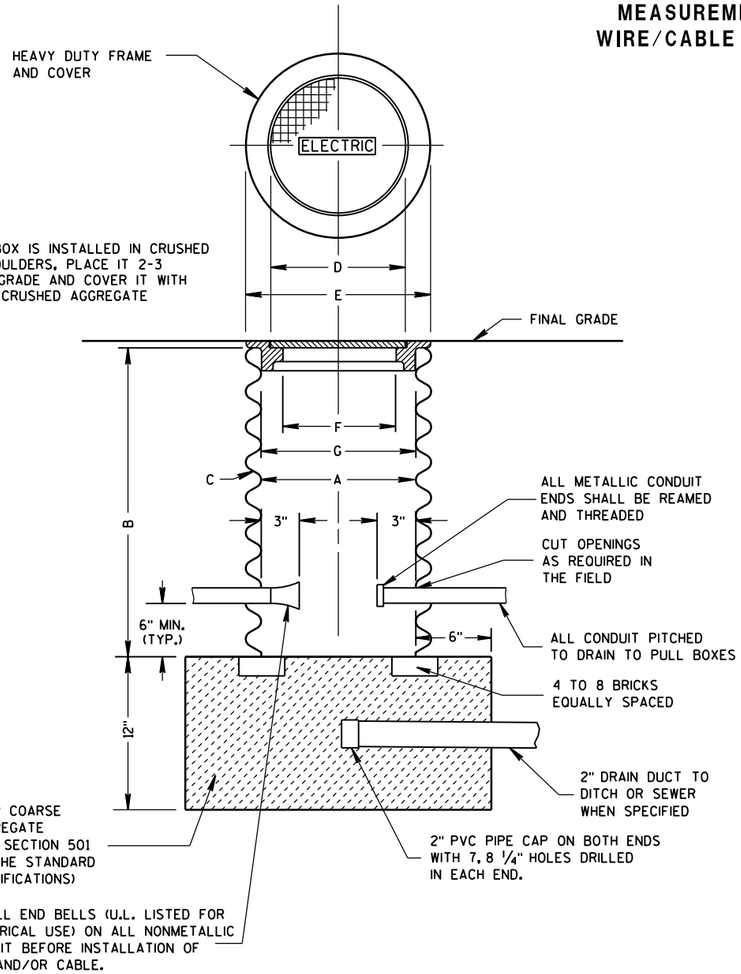


MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX



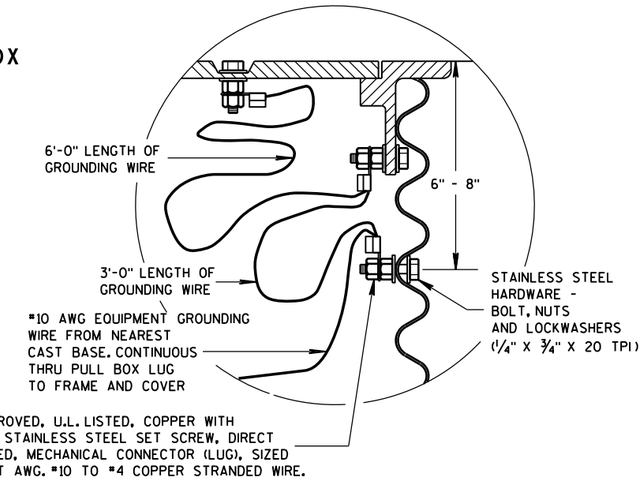
ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE

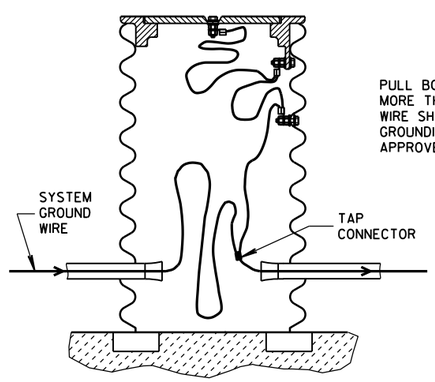


WHEN A PULL BOX IS INSTALLED IN CRUSHED AGGREGATE SHOULDERS, PLACE IT 2-3 INCHES BELOW GRADE AND COVER IT WITH 2-3 INCHES OF CRUSHED AGGREGATE

PULL BOX



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

GENERAL NOTES

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

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

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 1/4".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.

PULL BOX

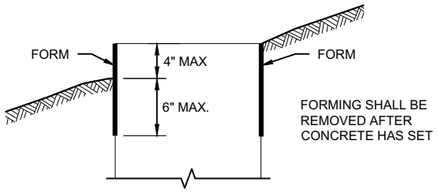
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

S.D.D. 9 B 4-11

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.

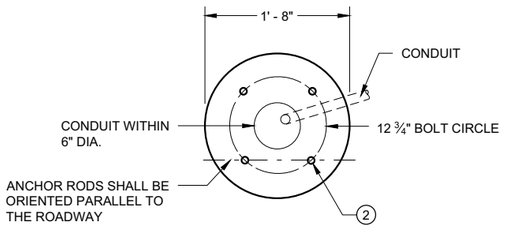
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

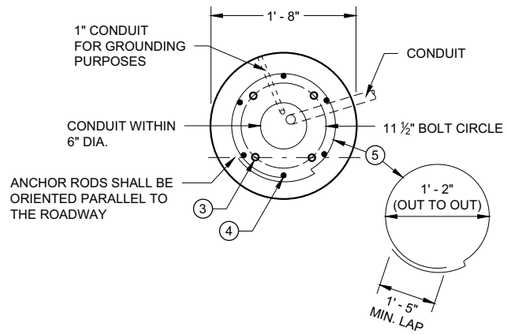
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

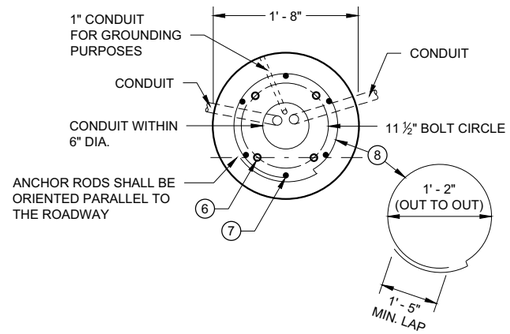
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

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

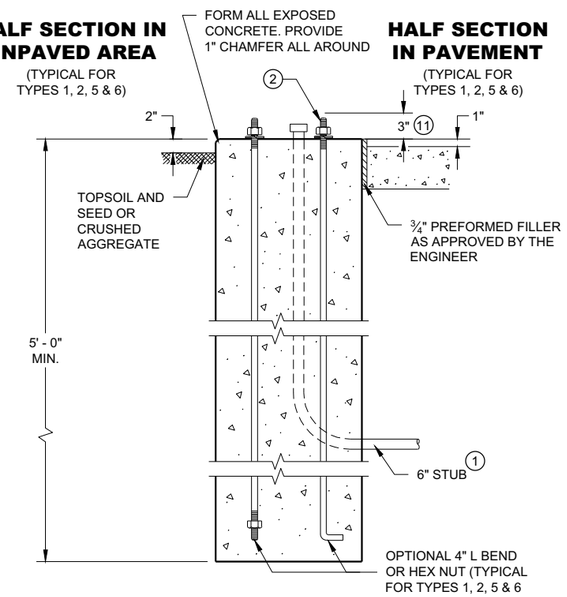
10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

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.

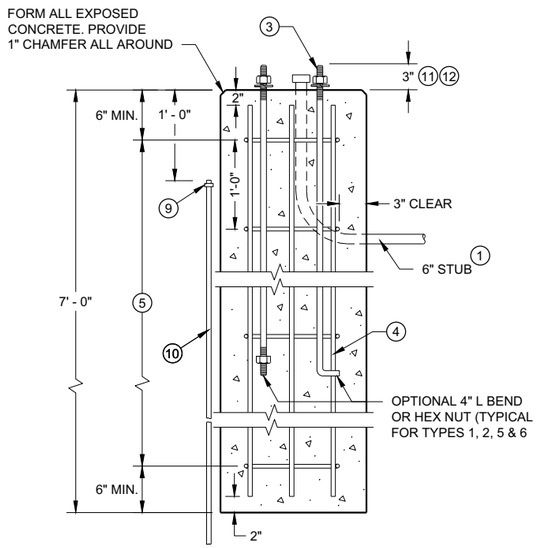
12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

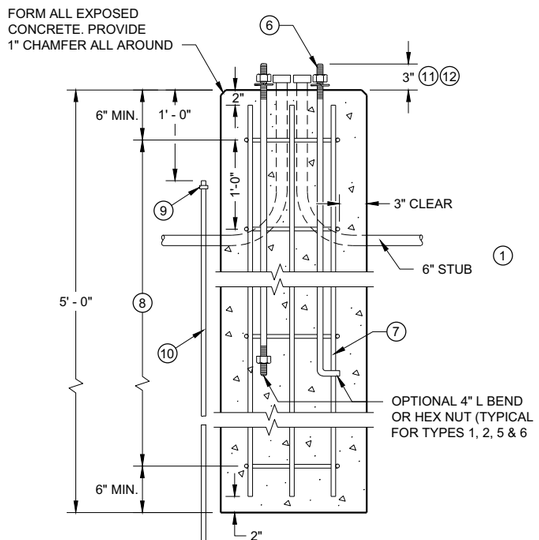
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



TYPE 1



TYPE 2



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

6
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.

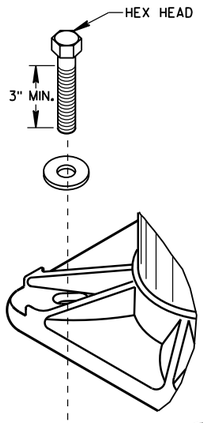
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

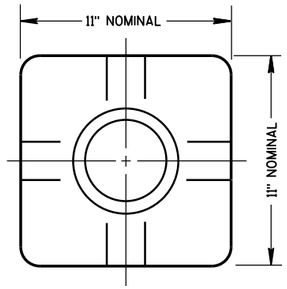
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

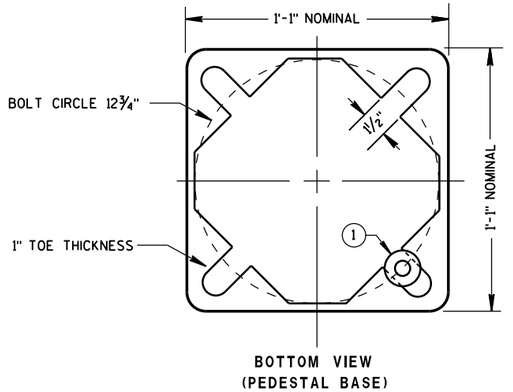
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

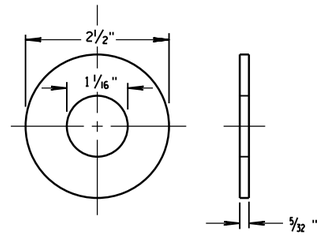




TOP VIEW
(PEDESTAL BASE)

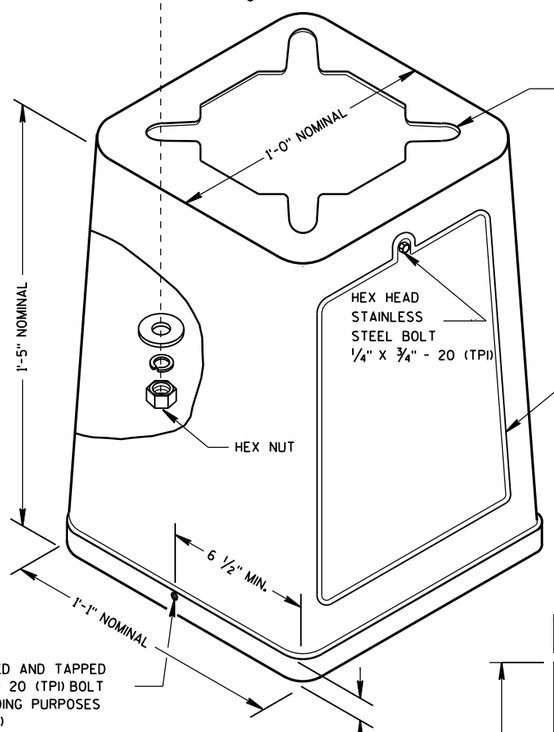


BOTTOM VIEW
(PEDESTAL BASE)

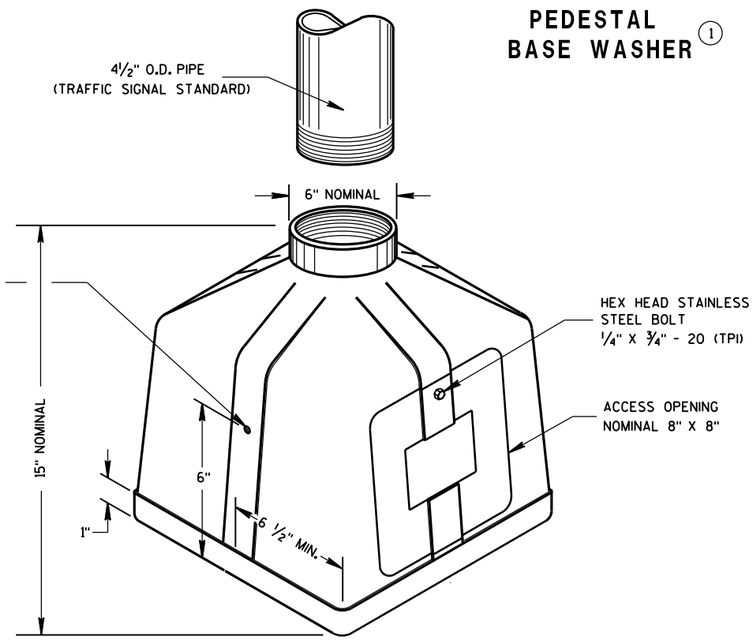


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)

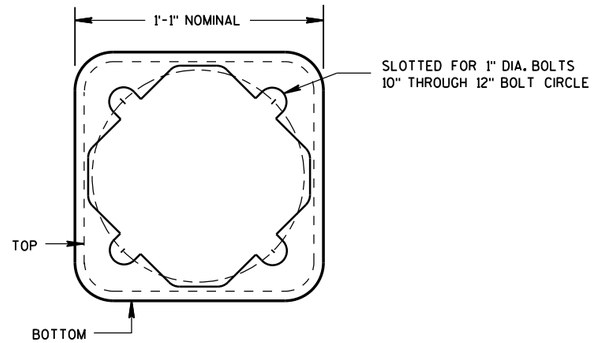


ISOMETRIC VIEW

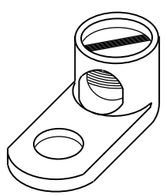


ISOMETRIC VIEW

PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

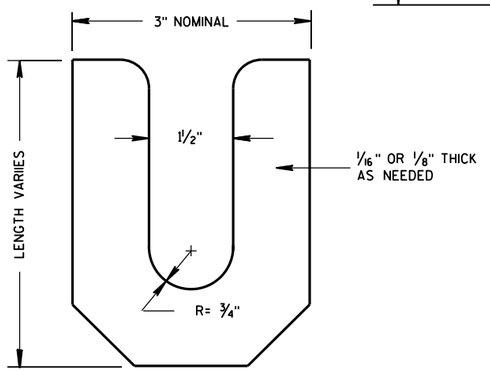


TYPICAL MECHANICAL CONNECTOR LUG

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
FHWA

6

S.D.D. 9 C 3-4

6

S.D.D. 9 C 3-4

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL 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 AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE AS 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 AT THE ENTRANCE OF THE BASE.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 4 INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NONMETALLIC CONDUIT SHALL HAVE BELL END INSTALLED. ALL CONDUIT SHALL BE SLOPED TO PULL BOX.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUIT 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 OF CABLE OR WIRE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC.

WHEN REQUIRED TO CONNECT NONMETALLIC 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).

THE EQUIPMENT GROUNDING CONDUCTOR SHALL ENTER THE BASE 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.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

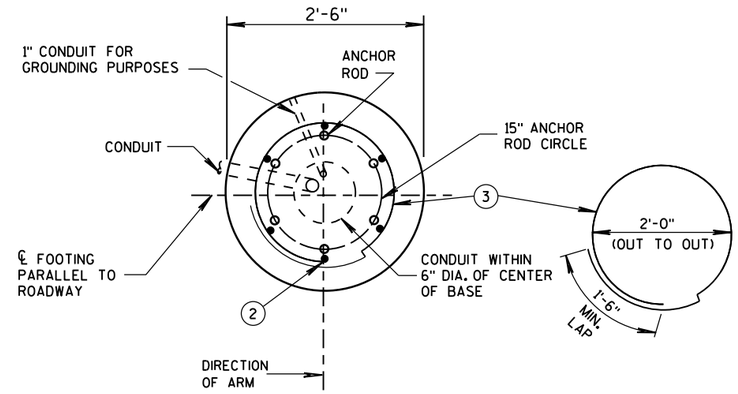
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

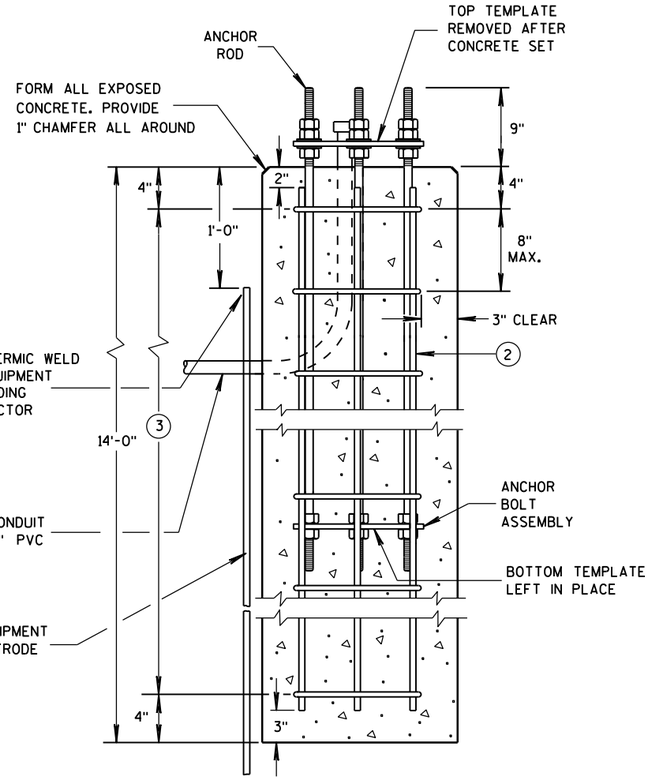
(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES, (GREATER THAN 36 INCHES IF INSTALLED IN BREAKER-RUN), EXCEPT WITH WRITTEN APPROVAL BY THE ENGINEER.

(2) (6) NO. 6 X 13'-7" BAR STEEL REINFORCEMENT.

(3) (21) NO. 5 X 7'-10" BAR STEEL REINFORCEMENT @ 8" MAX. C-C.

CONCRETE MASONRY	fc=3,500 p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60	fy=60,000 p.s.i.
ANCHOR RODS, ASTM F1554 GRADE 55 (IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATION)	fy=55,000 p.s.i.
TEMPLATES, ASTM, A709 GRADE 36	fy=36,000 p.s.i.

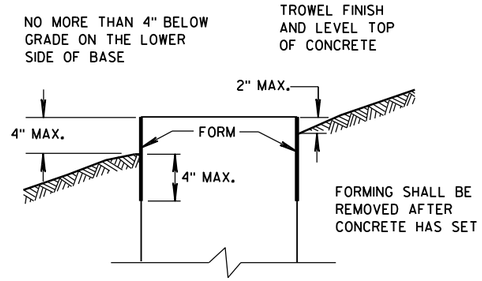




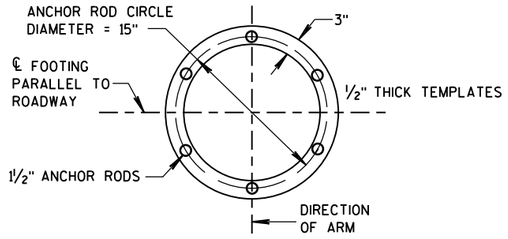
CONCRETE BASE TYPE 10

(FOR TYPE 9 & 10 & OVER HEIGHT (OH) POLES)

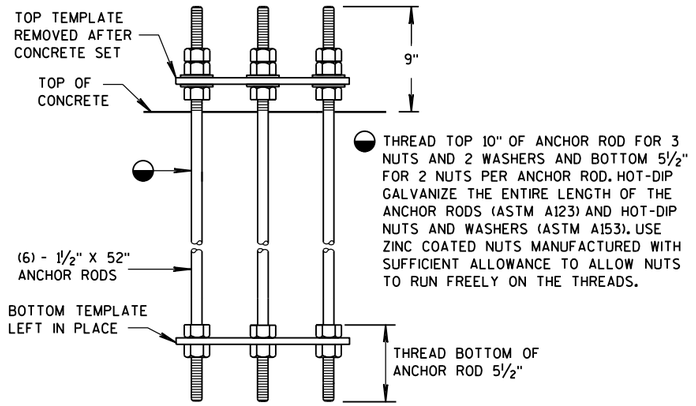
TO BE USED WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION. SEE S.D.D. 9C13-2 WHEN GROUND ELEVATION AT BASE IS LOWER THAN HIGH POINT OF ROADWAY ELEVATION.



FORMING DETAIL



TOP AND BOTTOM TEMPLATES



ANCHOR BOLT ASSEMBLY DETAIL

CONCRETE BASE TYPE 10 ANCHOR ASSEMBLY

QUANTITY REQUIREMENTS	
APPROX. CUBIC YARDS OF CONCRETE	2.5
LBS. OF HOOP BAR STEEL	172
LBS. OF VERTICAL BAR STEEL	122

CONCRETE BASE TYPE 10

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

May 2017 — DATE

/S/ Ahmet Demirbilek — STATE ELECTRICAL

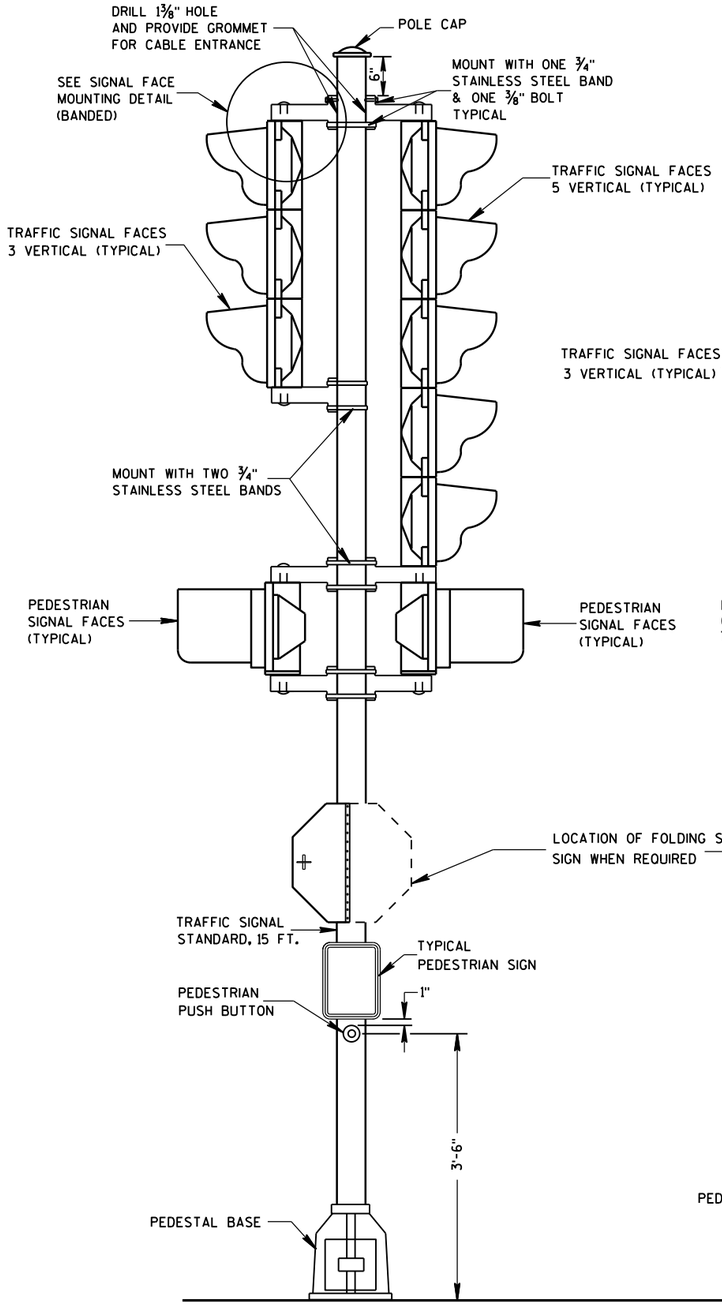
FHWA

6

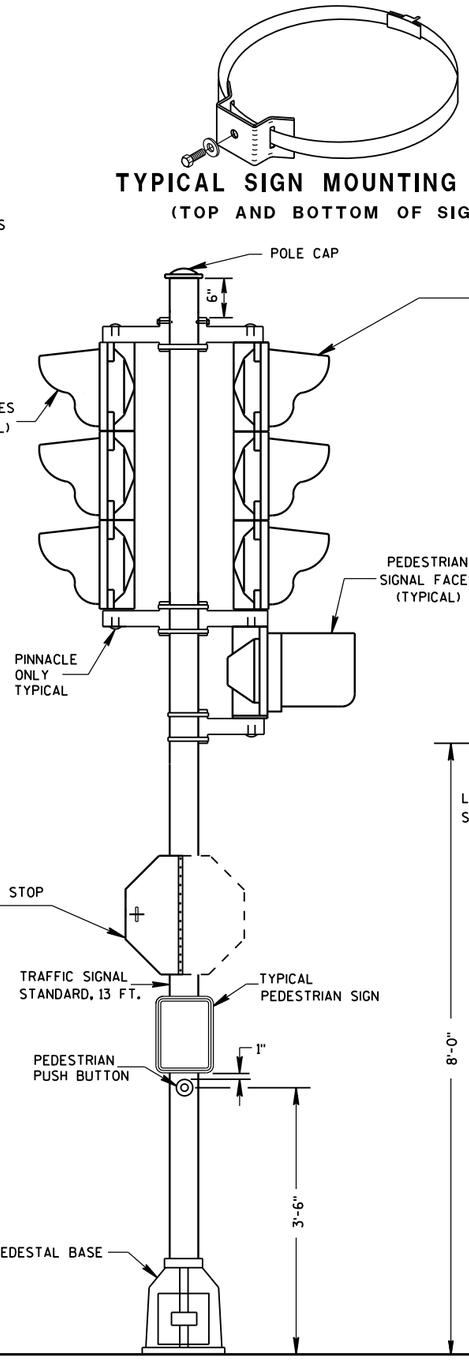
S.D.D. 9 C 11-10

6

S.D.D. 9 C 11-10

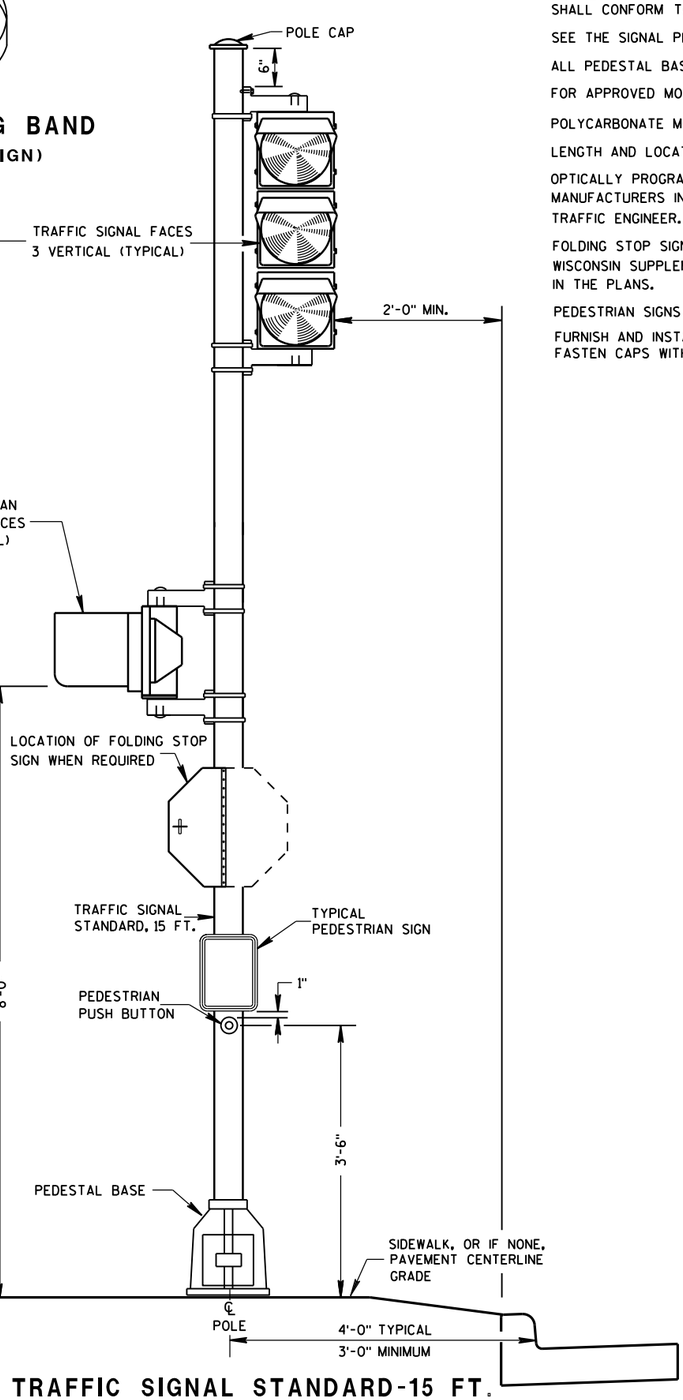


TRAFFIC SIGNAL STANDARD-15 FT.



TRAFFIC SIGNAL STANDARD-13 FT.

TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



TRAFFIC SIGNAL STANDARD-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.

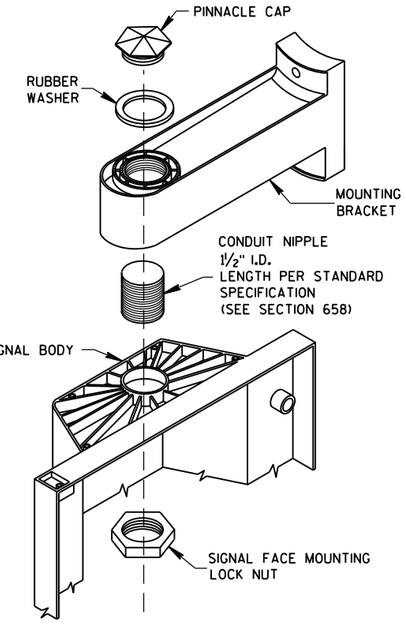
LENGTH AND LOCATION OF TRAFFIC SIGNAL STANDARDS SHALL BE AS SHOWN ON THE PLANS.

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 ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.



SIGNAL FACE MOUNTING DETAIL
(BANDED)

TRAFFIC SIGNAL STANDARD
POLY BRACKET MOUNTINGS
(TYPICAL) 13 FT. OR 15 FT.

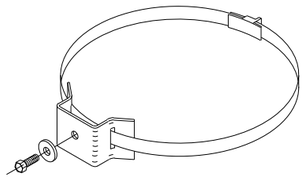
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
2/28/2013 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

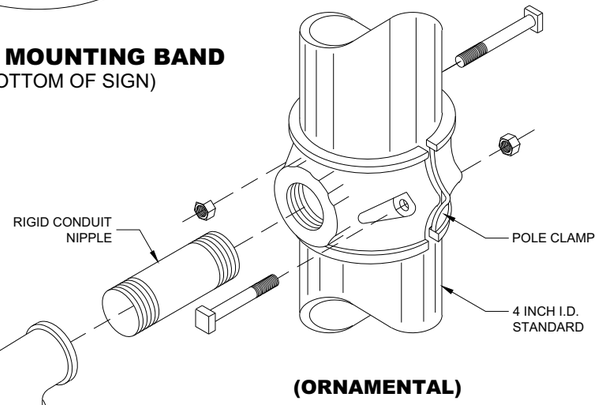
6

S.D.D. 9 E 6-5

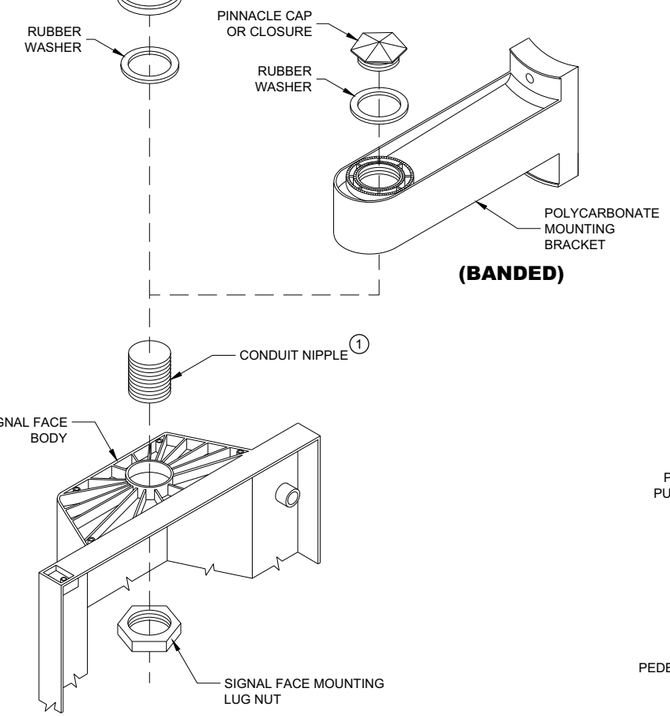
S.D.D. 9 E 6-5



TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)

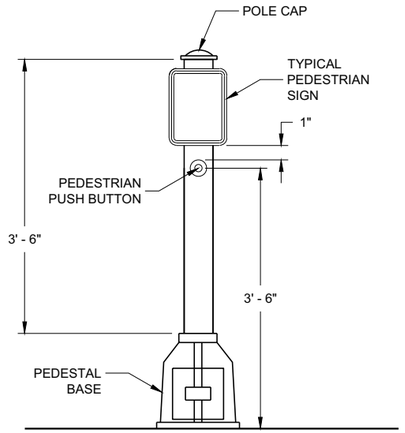


(ORNAMENTAL)



(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.

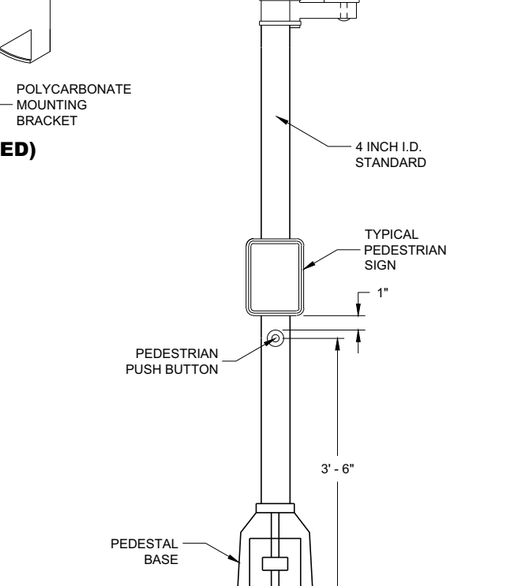
LENGTH OF TRAFFIC STANDARDS SHALL BE AS SHOWN ON THE PLANS.

MOUNTINGS AND BRACKETS SHALL BE AS SHOWN ON THE PLANS OR DESCRIBED IN THE SPECIAL PROVISIONS (BY THE REGION TRAFFIC ENGINEER).

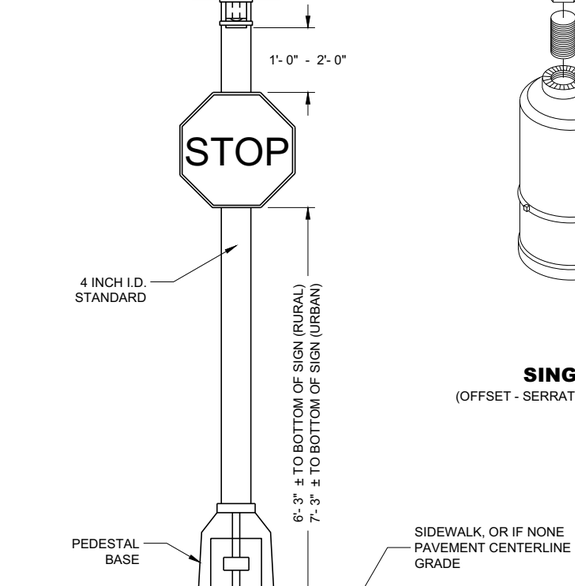
PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

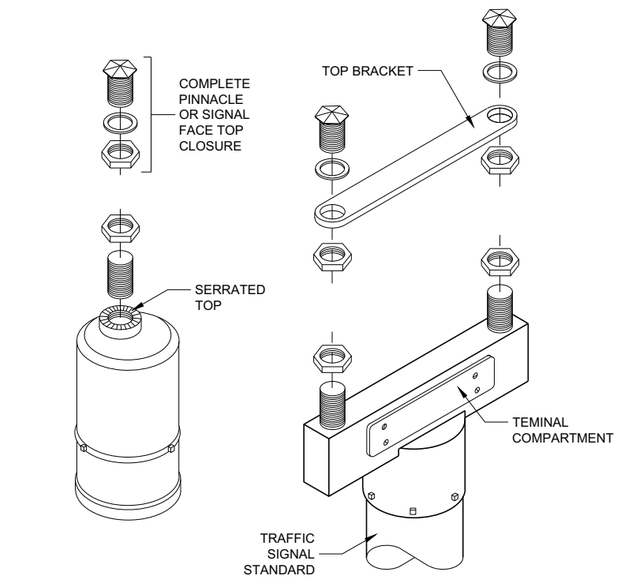
(1) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE 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

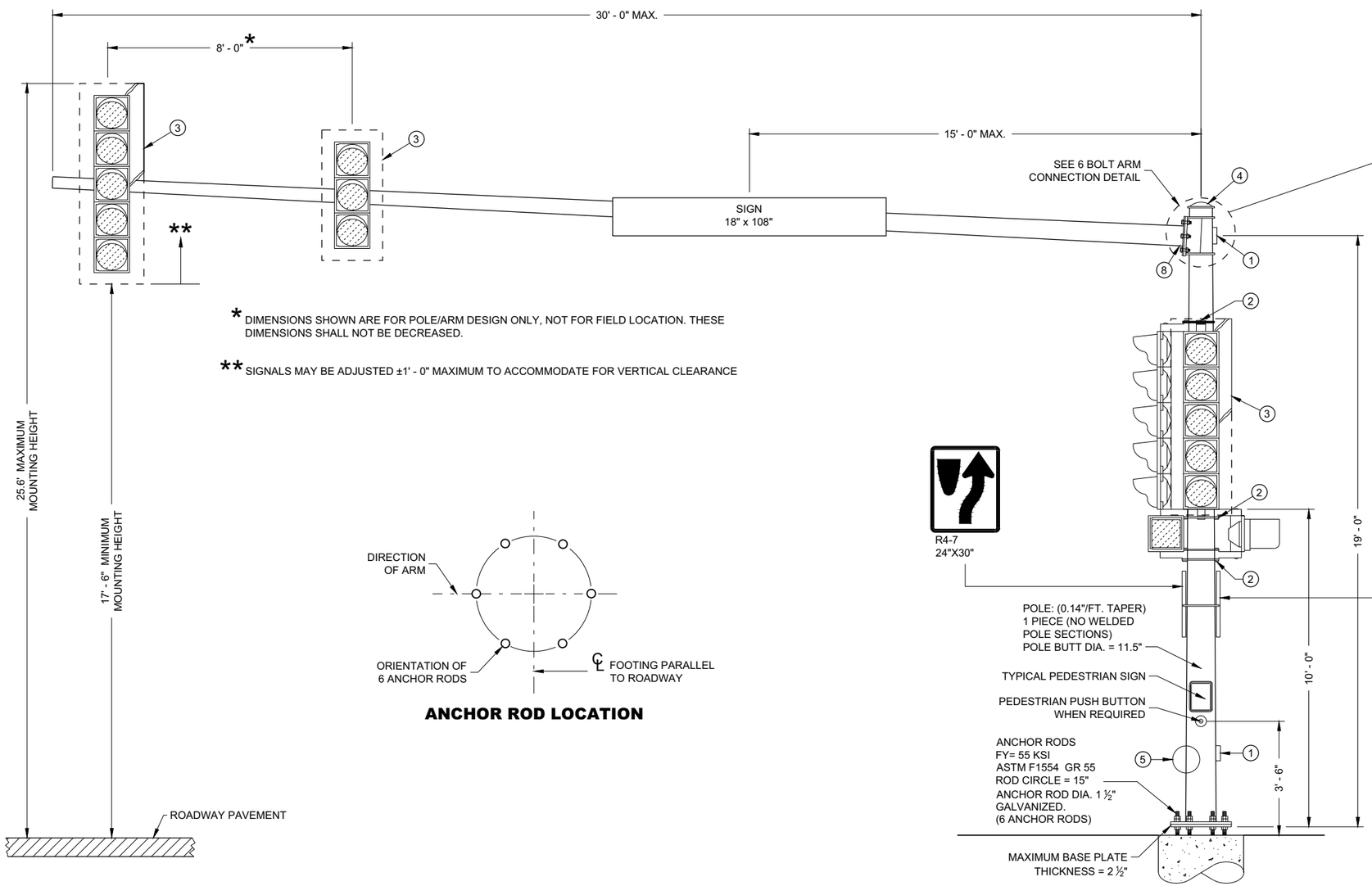
APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

FHWA

6

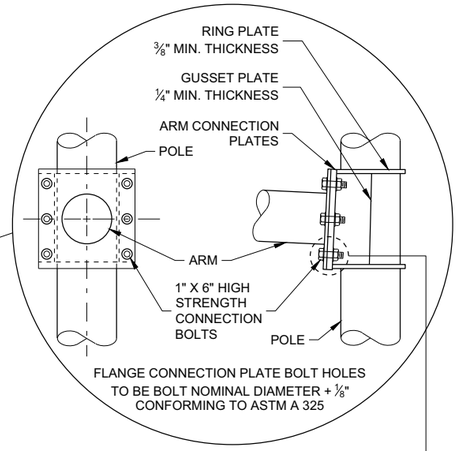
SDD 09E07 - 06



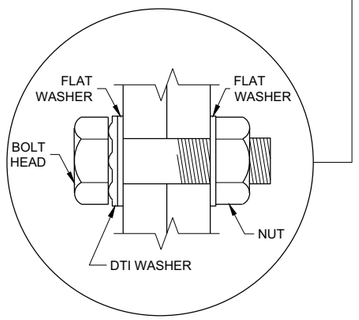
* DIMENSIONS SHOWN ARE FOR POLE/ARM DESIGN ONLY, NOT FOR FIELD LOCATION. THESE DIMENSIONS SHALL NOT BE DECREASED.

** SIGNALS MAY BE ADJUSTED ±1' - 0" MAXIMUM TO ACCOMMODATE FOR VERTICAL CLEARANCE

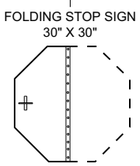
ANCHOR ROD LOCATION



6 BOLT ARM CONNECTION DETAIL



RECOMMENDED BOLT ASSEMBLY DETAIL



TYPE 9 POLE
15' - 30' MONOTUBE ARM
(MAXIMUM LOAD)

TYPE 9 POLE 15' - 30' MONOTUBE ARM	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED August 2020 DATE	/S/ Ahmet Demirbilek STATE ELECTRICAL ENGI

FHWA

SDD 09E08 - 09a

6

SDD 09E08 - 09a

GENERAL NOTES

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

POLE TYPES 9 AND 10 ARE FOR ARM LENGTHS 15 FOOT TO 30 FOOT.

POLE TYPES 9 SPECIAL AND 10 SPECIAL ARE FOR ARM LENGTHS 35 FOOT, 40 FOOT, AND 45 FOOT.

POLE TYPES 12 AND 13 ARE FOR ARM LENGTHS 35 FOOT TO 55 FOOT.

MONOTUBE POLES AND ARMS SHALL BE GALVANIZED STEEL.

RING STIFFENED BUILT UP BOX TYPE OF ATTACHMENT FOR TRAFFIC SIGNAL ARM.

ONE PIECE POLE CONSTRUCTION (NO WELDED POLE SECTIONS).

STANDARD STRAIGHT ARM DESIGN (3% ± RISE).

SECTION 657, POLES OF THE STANDARD SPECIFICATION SHALL APPLY TO THIS DRAWING.

PROVIDE WIREWAY THRU POLE WALL AND ARM CONNECTION PLATES. PROVIDE ROUND, SMOOTH INSIDE SURFACE.

MANUFACTURER'S SUBMITTED POLE DESIGNS AND DRAWINGS SHALL BE SIGNED AND STAMPED BY A REGISTERED PROFESSIONAL ENGINEER AND CERTIFIED AS BEING IN COMPLIANCE WITH THE AASHTO "LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNAL 2015 1ST EDITION (INCLUDING INTERIM REVISIONS)" AND ALL PERTINENT WISDOT SPECIFICATIONS AND DRAWINGS FOR THE LIGHTING STRUCTURES AS FOLLOWS:

CATEGORY III FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 9 AND TYPE 10 STRUCTURES.

CATEGORY II FATIGUE LOADS OF TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 9 SPECIAL AND TYPE 10 SPECIAL STRUCTURES. IN LIEU OF DESIGNING FOR GALLOPING, A VIBRATION DAMPER MITIGATION DEVICE IS REQUIRED TO BE SUPPLIED AND INSTALLED AT THE END OF THE MAST ARM.

CATEGORY II FATIGUE FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE12 AND TYPE 13 STRUCTURES.

115 MPH (700 YEAR MRI BASIC WIND SPEED).

SECURE THE OPENING BELOW THE BASE PLATE WITH STAINLESS STEEL OR GALVANIZED STEEL MESH AND SECURE THE MESH WITH ¾" STAINLESS STEEL BANDING AROUND THE LEVELING NUTS.

INDENT PRINT (NOMINAL ½" HIGH) THE POLE LENGTH AND FIRST TWO LETTERS OF THE MANUFACTURERS NAME ON TWO SIDES OF THE BASE PLATE 180 DEGREES APART, BEFORE GALVANIZING. THE ARM SHALL BE IDENTIFIED WITH THE SAME INFORMATION BY INDENT PRINT.

SIGNAL FACE SHALL BE MOUNTED 6 INCHES (NOMINAL) FROM THE END OF THE MONOTUBE ARM OR AS SHOWN ON THE PLAN CONSTRUCTION DETAIL OR A S DIRECTED BY THE PROJECT ENGINEER/ELECTRICAL OPERATIONS PERSONNEL. MOUNT ALL LIKE HEAD AT SAME ELEVATION.

SIGN MOUNTING BRACKETS SHALL BE FURNISHED IN ACCORDANCE WITH SECTION 637 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.

(1) DESIGN FOR MAXIMUM ALLOWABLE HAND HOLE WITH COVER ASSEMBLY WITH TWO ¼" X ¾" - 20 TPI STAINLESS STEEL HEX HEAD BOLTS.

(2) SIGNAL MOUNTING BRACKETS FOR POLE MOUNTING, MOUNT WITH CAP SCREW AND BANDING (SEE SPECIFICATION SECTION 658).

(3) SECURELY MOUNT BACK PLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURERS RECOMMENDATIONS.

(4) THE TOP OF THE POLE SHAFT AND THE MONOTUBE ARM SHALL BE EQUIPPED WITH A REMOVABLE, VENTILATED CAP HELD SECURELY IN PLACE WITH SET SCREWS.

(5) FACTORY WELDED BRACKET FOR GROUNDING LUG, OPPOSITE HAND HOLD, (LUG AND HARDWARE PAID UNDER SEPARATE ITEM). PROVIDE HOLE IN BRACKET FOR ¼" X ¾" - 20 TPI STAINLESS STEEL HEX HEAD BOLT.

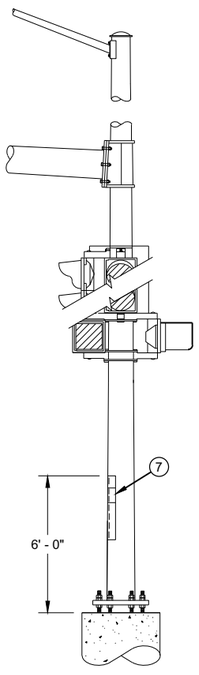
(6) FACTORY WELDED "J" HOOK FOR STRAIN RELIEF FOR POLE LUMINAIRE WIRE.

(7) INSTALL STRUCTURAL IDENTIFICATION PLAQUES.

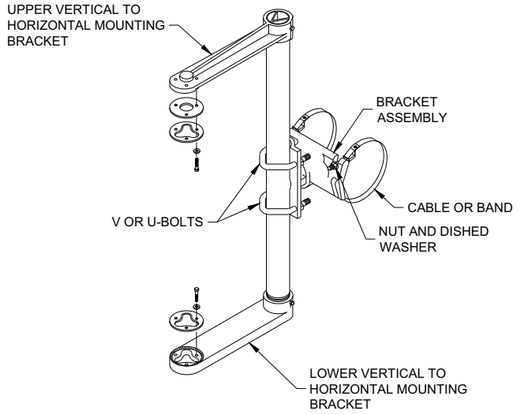
STRUCTURAL IDENTIFICATION PLAQUES SHALL BE PLACED ON THE POLES IN THE SAME DIRECTION AS THE ARM.

MOUNTING HEIGHT SHALL BE 6' - 0" ABOVE THE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL BE OBSTRUCTED.

(8) FACTORY DRILLED ½" DRAIN HOLE 2" FROM FLANGE CONNECTION PLATE.

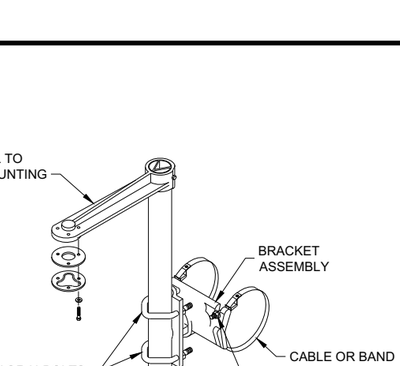


STRUCTURAL IDENTIFICATION PLAQUE PLACEMENT



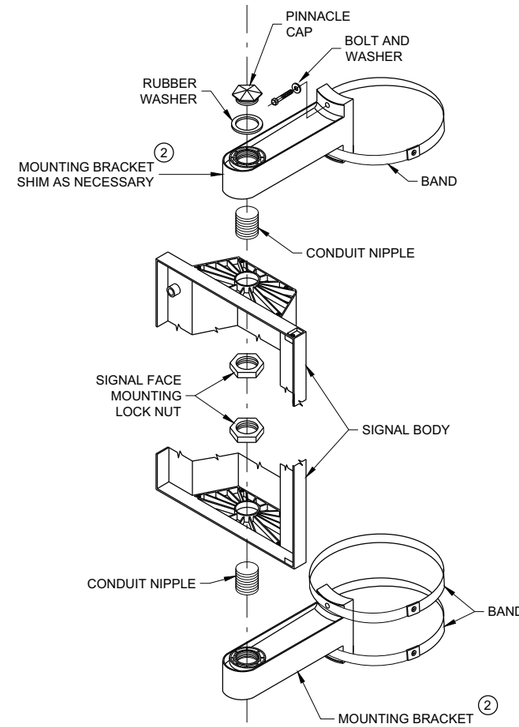
SIGNAL FACE MOUNTING BRACKET DETAIL FOR MONOTUBE ARM

(MOUNT PER MANFACTURER'S RECOMMENDATION)

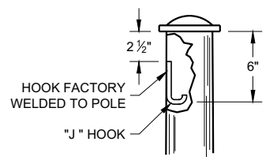


TYPICAL GROUNDING (5) CONNECTIONS

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



SIGNAL FACE VERTICAL MOUNTING DETAIL



TYPICAL "J" HOOK (6) WIRE SUPPORT

GENERAL NOTES AND HARDWARE FOR TYPES 9,10, 9/10 SPECIAL, 12 AND 13 POLES WITH MONOTUBE ARMS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL ENGINEER

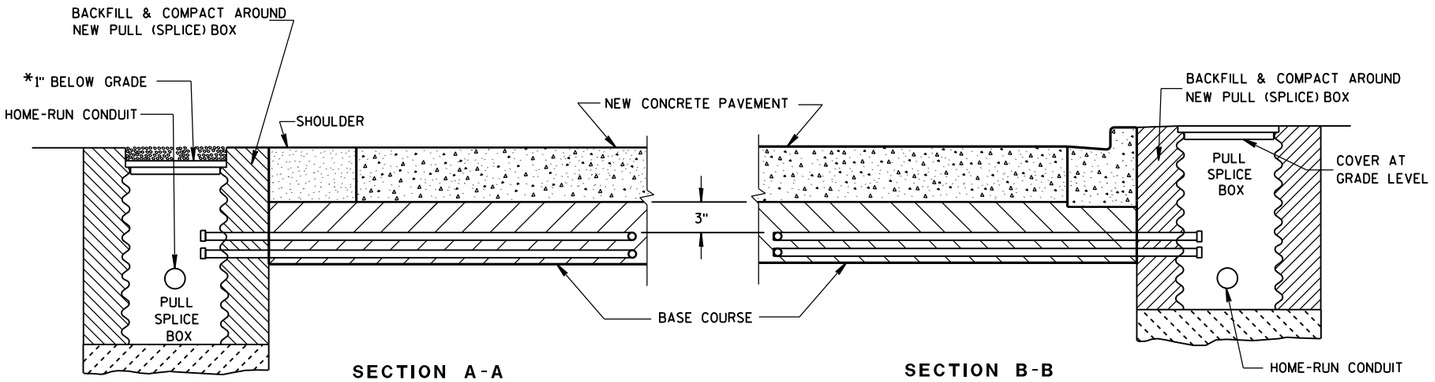
FHWA

6

SDD 09E08 - 09k

6

SDD 09E08 - 09k



SECTION A-A
NO CURB & GUTTER

SECTION B-B
CURB & 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.

LOOP SIZE, CONFIGURATION LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL (SPLICE) BOX.

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 READINGS 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.

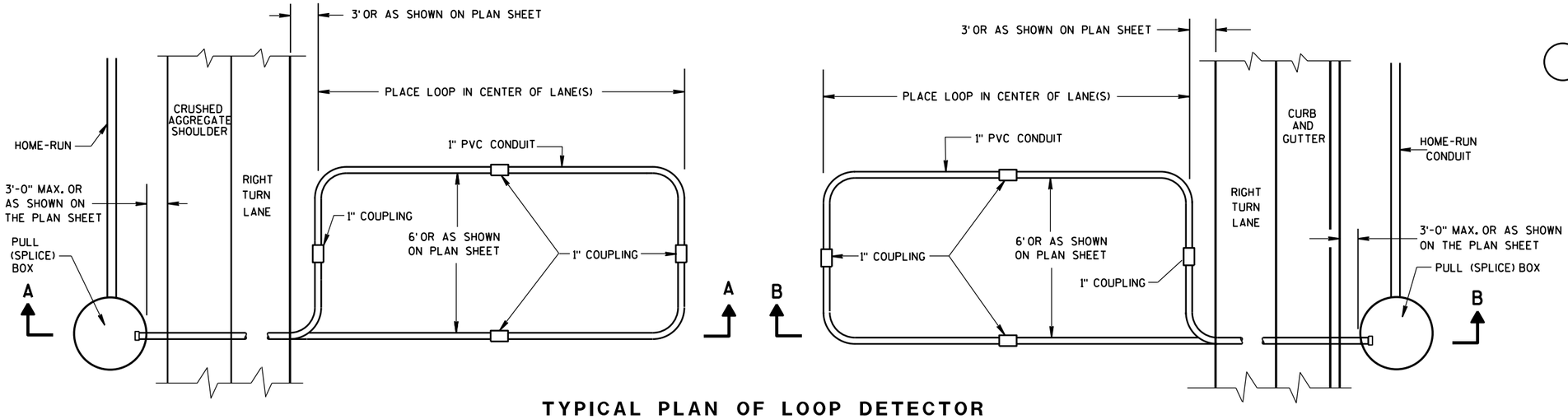
THE #12 AWG. LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL (SPLICE) BOXES AT THE SIDE OF THE ROAD.

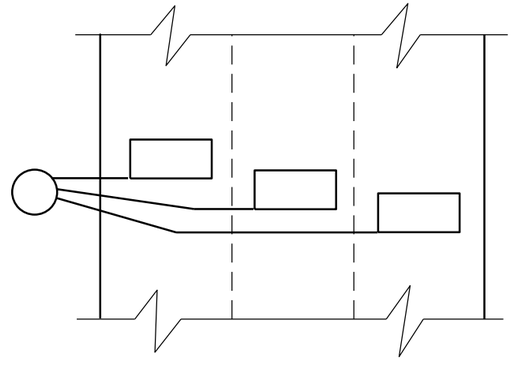
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE, NON-SPLICED CONTINUOUS LENGTH.

PROTECTION OF THE CONDUITS 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.

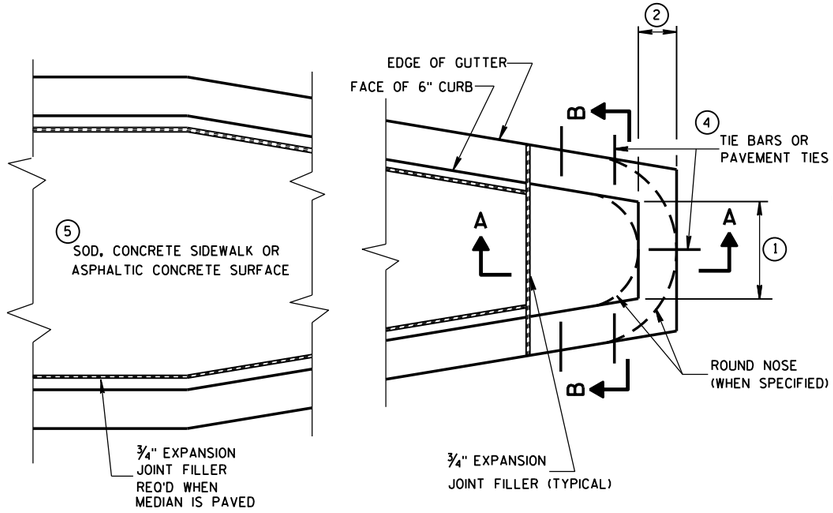


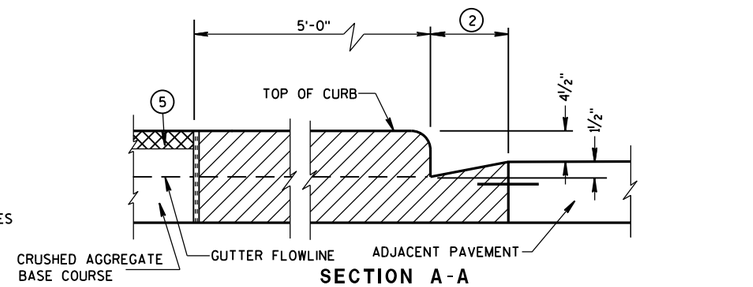
TYPICAL PLAN OF LOOP DETECTOR WITH 24" PULL (SPLICE) BOX

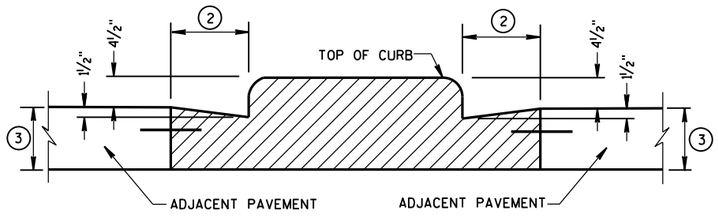


MULTI-LANE INSTALLATION

LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION
APPROVED Sept. 2014 — DATE /S/ Ahmet Demirbilek — STATE ELECTRICAL FHWA







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.

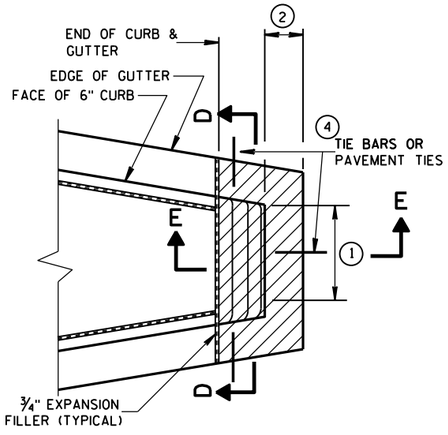
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

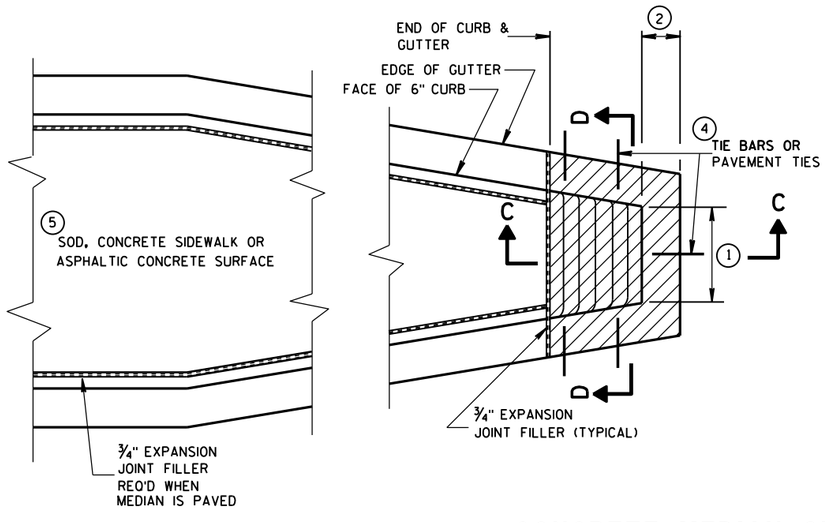
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

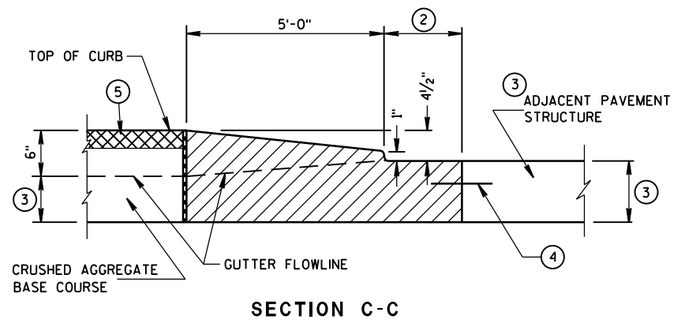
(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

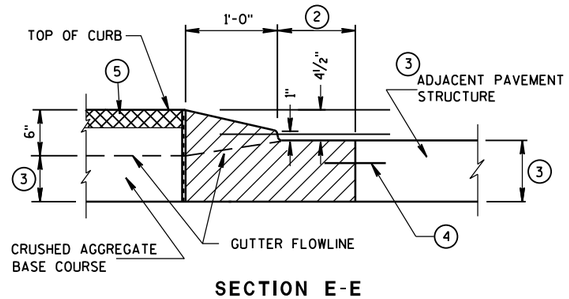
PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.



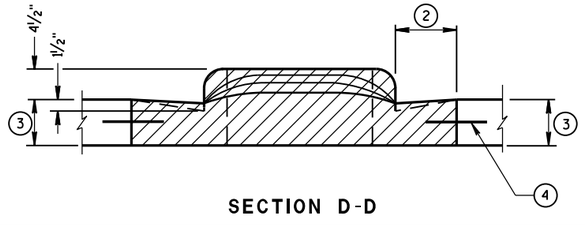






CONCRETE MEDIAN SLOPED NOSE TYPE 2

CONCRETE MEDIAN SLOPED NOSE TYPE 1



CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

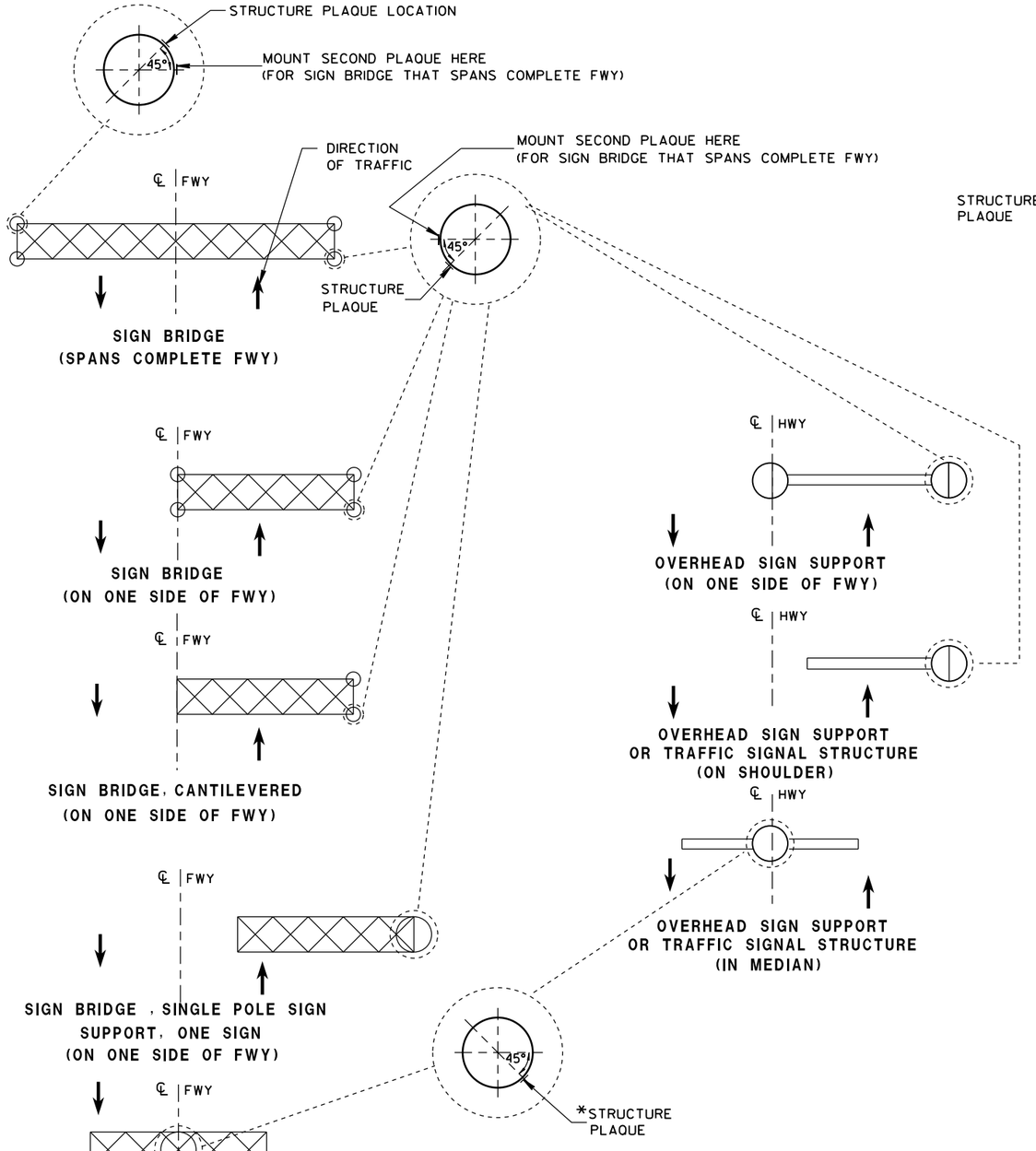
APPROVED
6/8/2006
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS D ENGINEER
FHWA

6

S.D.D. 11 B 2-2

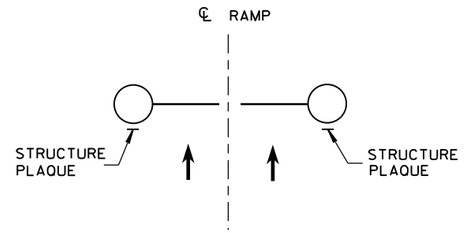
6

S.D.D. 11 B 2-2

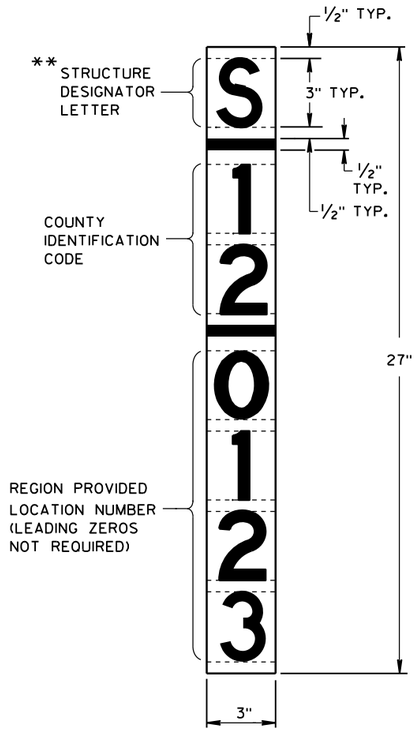


LOCATION OF RAMP GATE, SIGN BRIDGE, OVERHEAD SIGN SUPPORT & TRAFFIC SIGNAL STRUCTURE PLAQUES

* WHEN SIGNS OR GATES FACE TRAFFIC IN ONE DIRECTION, THE PLAQUE SHALL FACE TRAFFIC IN THE SAME DIRECTION. WHEN SIGNS OR GATES ARE FACING TRAFFIC IN BOTH DIRECTIONS, THE PLAQUE SHALL FACE TRAFFIC IN THE CARDINAL DIRECTION.



RAMP GATE
(ACROSS FWY ON-RAMP)



** LETTER "G" UTILIZED FOR RAMP GATES. LETTER "S" UTILIZED FOR SIGN BRIDGES, OVERHEAD SIGN SUPPORTS, AND TRAFFIC SIGNALS.

RAMP GATE, SIGN BRIDGE, OVERHEAD SIGN SUPPORT AND TRAFFIC SIGNAL STRUCTURE PLAQUE FOR SIGN BRIDGES AND OVERHEAD SIGN SUPPORT WHICH ARE NOT STRUCTURE MOUNTED

GENERAL NOTES

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

PLAQUES SHALL BE INCIDENTAL TO ALL NEW INSTALLATIONS.

IF THE PROPOSED SIGN BRIDGE OR OVERHEAD SIGN SUPPORT IS REPLACING AN EXISTING SIGN BRIDGE OR OVERHEAD SIGN SUPPORT, A NEW IDENTIFICATION PLAQUE WILL BE REQUIRED.

FASTEN TOP, CENTER AND BOTTOM OF PLAQUE TO POLE OR OTHER LOCATION AS FOLLOWS:

GALVANIZED STEEL SHAFT - 3 STAINLESS STEEL POP RIVETS

A588 STEEL SHAFT - SHIM FOR DRAINAGE WITH STAINLESS WASHERS; FASTEN WITH STAINLESS SELF-TAPPING SCREWS

ALUMINUM SHAFTS - 3 ALUMINUM POP RIVETS

MOUNTING HEIGHT SHALL BE APPROXIMATELY 5.0' ABOVE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL OBSTRUCT.

PLAQUE MATERIALS:

BASE - SHEET ALUMINUM, 0.060" THICK.

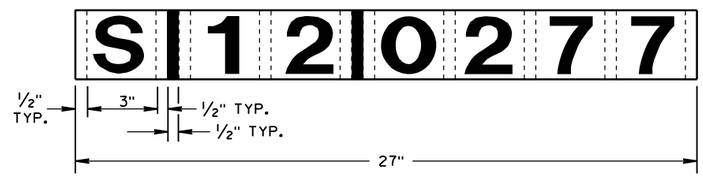
FACE - WHITE, SELF-ADHESIVE VINYL SHEETING, NON-RETROREFLECTIVE

LINES - BLACK, ½" WIDE, SELF-ADHESIVE

CHARACTERS:- BLACK, SELF ADHESIVE, SERIES "D", SIZE AS SHOWN.

FOR SIGN BRIDGES, STRUCTURE MOUNTED, THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY AS SHOWN ON THE DRAWING. THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY TO THE BACK OF THE SIGN, BETWEEN THE ALUMINUM EXTRUSIONS, NEAR THE TOP LEFT HAND CORNER OF THE SIGN. THE BASE MATERIAL SHALL BE OMITTED AND THE FACE ADHERED DIRECTLY TO THE ALUMINUM SURFACE. PRIOR TO ADHERING THE MATERIAL, THE ALUMINUM SURFACE SHALL BE SMOOTH, CLEAN AND DRY.

WHERE SIGN BRIDGE ILLUMINATION IS PROVIDED, THE STRUCTURE MUST ALSO HAVE A SIGN BRIDGE CIRCUIT PLAQUE AS SHOWN IN THE ELECTRICAL DETAILS.



IDENTIFICATION PLAQUE FOR SIGN BRIDGE, STRUCTURE MOUNTED

STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES, OVERHEAD SIGN SUPPORTS, & TRAFFIC SIGNALS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
12/4/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

6

S.D.D. 12 A 4-3

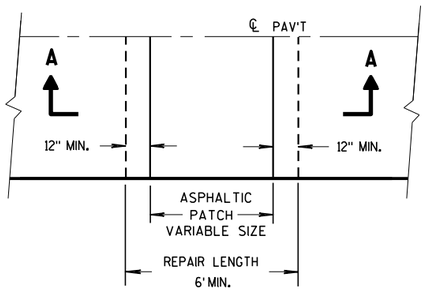
GENERAL NOTES

SAW CUT, DRILL, AND LIFT OUT EXISTING CONCRETE PAVEMENT WITHIN THE BOUNDARIES OF CONCRETE REPAIR AREAS. THE CONTRACTOR MAY MAKE ADDITIONAL SAW CUTS INSIDE THE REPAIR LIMITS TO REDUCE WEIGHT AND SIZE OF CONCRETE PIECES.

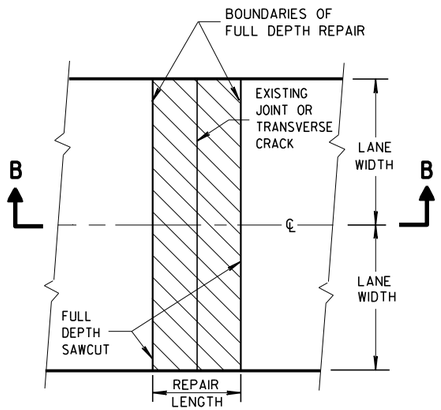
PROVIDE A 6-FOOT MINIMUM DISTANCE FROM BOUNDARIES OF CONCRETE REPAIR AREAS TO ADJACENT TRANSVERSE JOINT OR CRACK IN THE SAME LANE.

THE LENGTH OF THE REPAIRS MAY VARY FROM THE DIMENSIONS SHOWN IF THE EXISTING CONCRETE PAVEMENT IS NONDOWELED AND THE PAVEMENT IS TO BE OVERLAID AFTER REPAIRING.

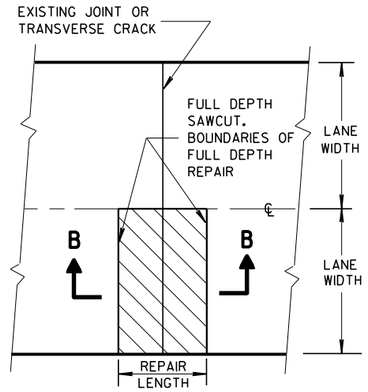
(1) DOWEL BARS MIGHT NOT EXIST.



PLAN VIEW

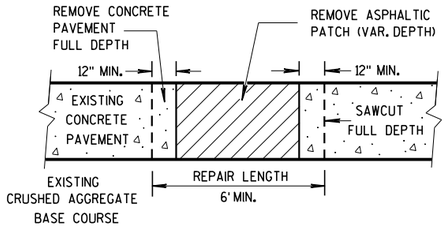


PLAN VIEW
(DOUBLE LANE REPAIR)



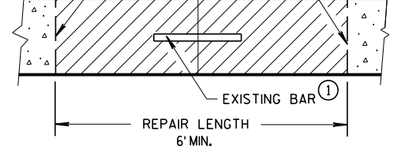
PLAN VIEW
(SINGLE LANE REPAIR)

FULL DEPTH CONCRETE PAVEMENT REMOVAL



SECTION A-A

HMA PATCH REMOVAL



SECTION B-B

CONCRETE REMOVAL

CONCRETE PAVEMENT REPAIR AND REPLACEMENT

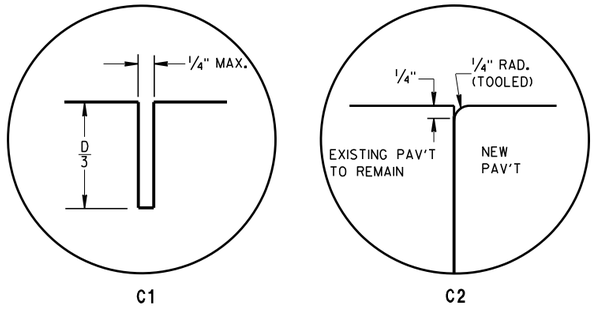
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 13 C 9-15a

6

S.D.D. 13 C 9-15a



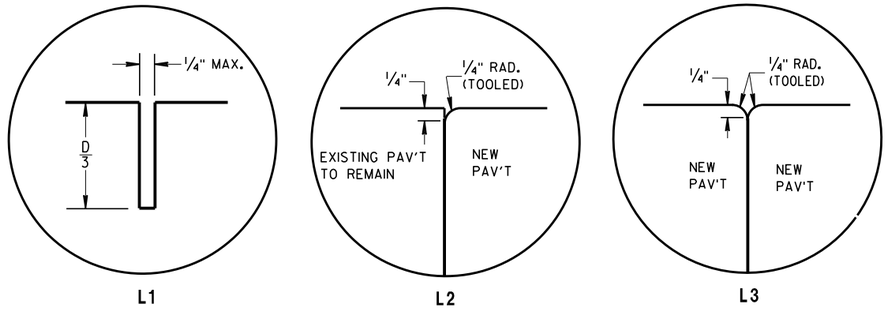
TRANSVERSE JOINTS

TIE BAR TABLE

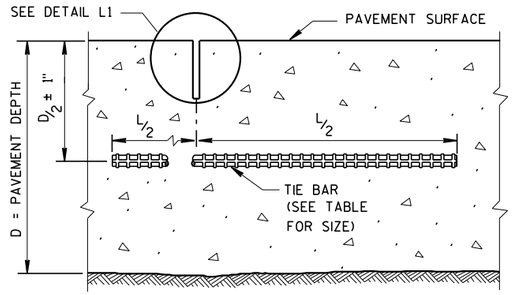
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24"**

* 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.



LONGITUDINAL JOINTS



SECTION C-C

SAWED LONGITUDINAL JOINT

GENERAL NOTES

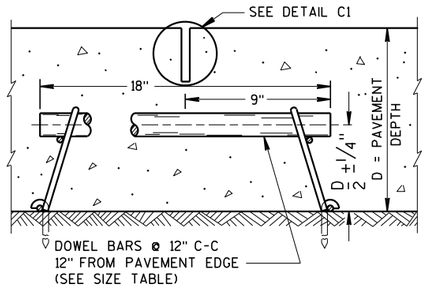
INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

CONCRETE PAVEMENT REPAIRS OF EXISTING NONDOWELED CONCRETE PAVEMENTS DO NOT NEED TO BE DOWELED.

ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

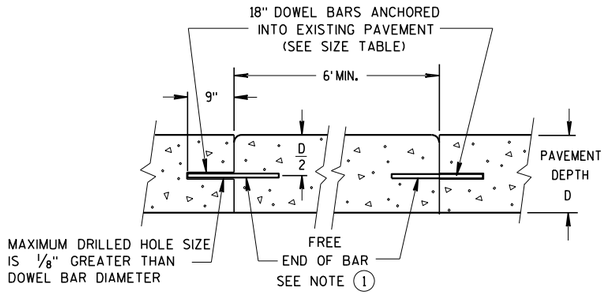
FOR MULTI-LANE CONCRETE PAVEMENT REPLACEMENTS, PROVIDE A MINIMUM DISTANCE OF 15 INCHES FROM ALL TRANSVERSE JOINTS OR EDGES OF REPLACEMENT TO THE CENTER OF THE TIE BAR NEAREST THAT JOINT OR EDGE.

(1) APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

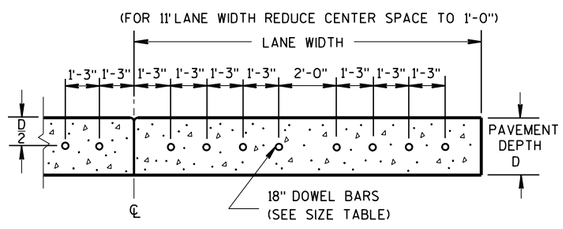


SECTION F-F

CONTRACTION JOINT



SECTION D-D

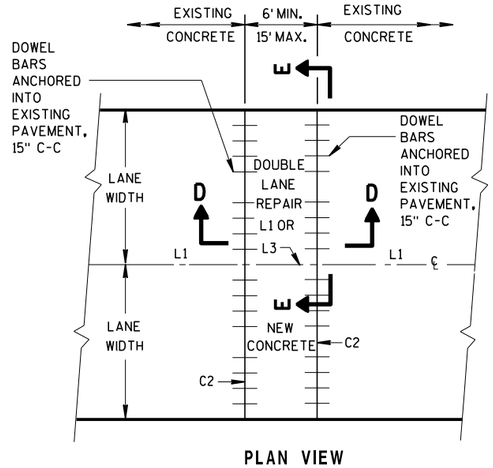


SECTION E-E

DRILLED DOWEL BAR CONSTRUCTION JOINT

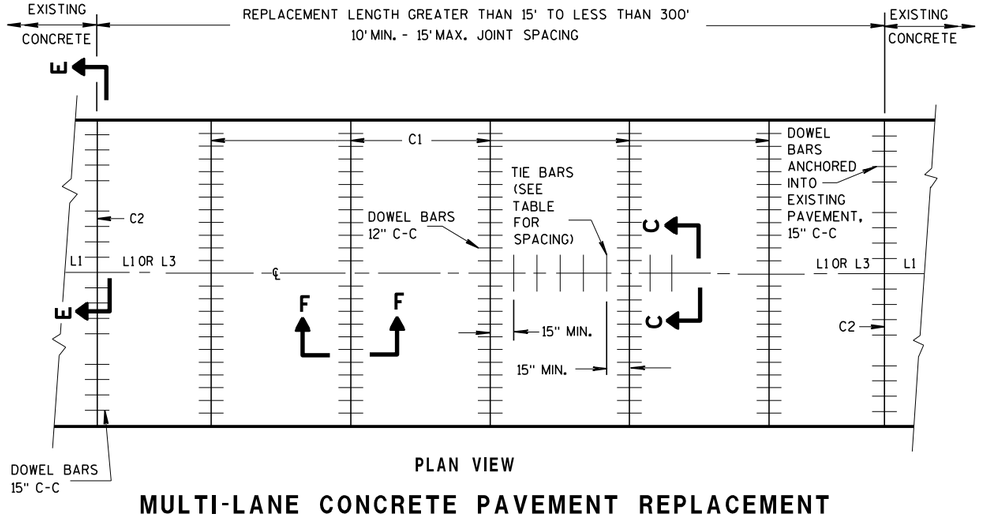
PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	DRILLED DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5 1/2", 6", 6 1/2"	NONE	NONE	12'
7", 7 1/2"	1"	1"	14'
8", 8 1/2"	1 1/4"	1 1/4"	15'
9", 9 1/2"	1 1/4"	1 1/4"	15'
10" & ABOVE	1 1/2"	1 1/4"	15'



PLAN VIEW

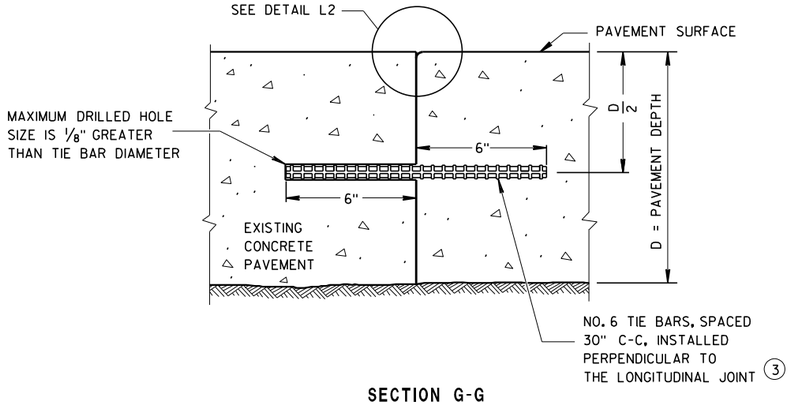
MULTI-LANE CONCRETE PAVEMENT REPAIR



PLAN VIEW

MULTI-LANE CONCRETE PAVEMENT REPLACEMENT

CONCRETE PAVEMENT REPAIR AND REPLACEMENT



SECTION G-G

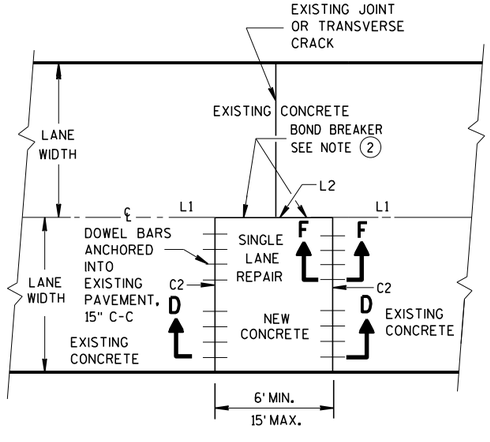
TIE BARS ANCHORED INTO EXISTING PAVEMENT

GENERAL NOTES

(1) WITH THE APPROVAL OF THE ENGINEER, FOR SINGLE LANE PAVEMENT REPLACEMENTS LESS THAN 30 FEET IN LENGTH, THE CONTRACTOR MAY INSTALL DRILLED TIE BARS ON 6:1 SKEW HORIZONTALLY, DIRECTION OF SKEW ALTERNATING WITH EACH SUCCESSIVE BAR. DRIVE SKEWED TIE BARS TO A DEPTH OF 6 INCHES IN A HOLE OF SUCH A DIAMETER AS TO PROVIDE A TIGHT DRIVEN FIT.

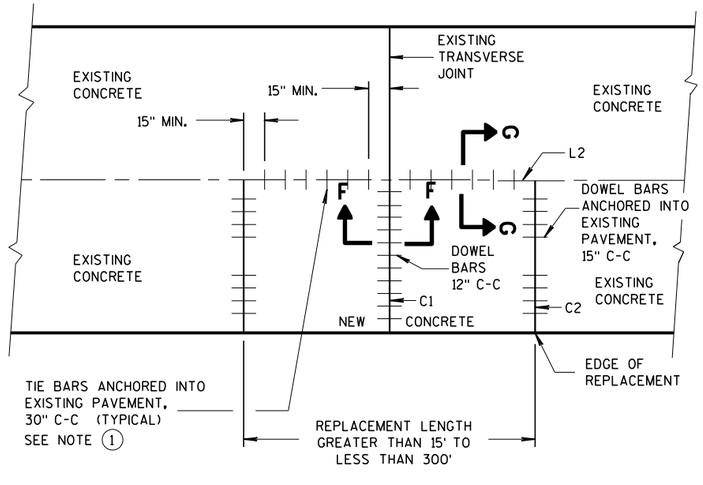
(2) USE AN ENGINEER-APPROVED BOND BREAKER (E.G. RELEASE AGENT, CURING COMPOUND) FOR SINGLE LANE REPAIRS UP TO 15 FEET IN LENGTH.

(3) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



PLAN VIEW

SINGLE LANE CONCRETE PAVEMENT REPAIR



PLAN VIEW

SINGLE LANE CONCRETE PAVEMENT REPLACEMENT

CONCRETE PAVEMENT REPAIR AND REPLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Peter Ken... — PAVEMENT SUPE...
FHWA

S.D.D. 13 C 9-15c

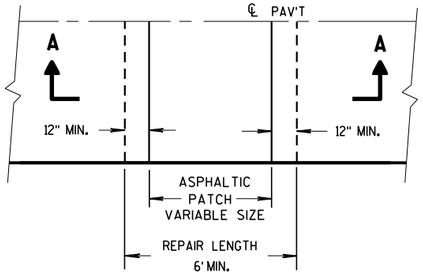
GENERAL NOTES

SAW CUT, DRILL, AND LIFT OUT EXISTING CONCRETE PAVEMENT WITHIN THE BOUNDARIES OF CONCRETE REPAIR AREAS. THE CONTRACTOR MAY MAKE ADDITIONAL SAW CUTS INSIDE THE REPAIR LIMITS TO REDUCE WEIGHT AND SIZE OF CONCRETE PIECES.

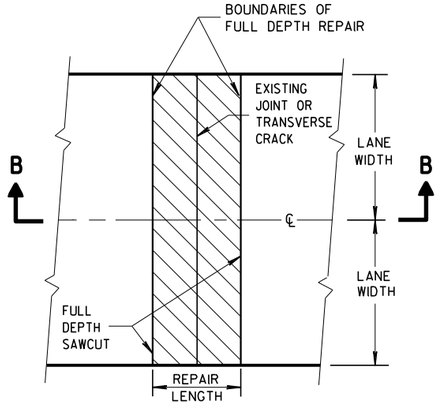
PROVIDE 6-FOOT MINIMUM DISTANCE FROM BOUNDARIES OF CONCRETE REPAIR AREAS TO ADJACENT TRANSVERSE JOINT OR CRACK.

THE LENGTH OF THE REPAIRS MAY VARY FROM THE DIMENSIONS SHOWN IF THE EXISTING CONCRETE PAVEMENT IS NONDOWELED AND THE PAVEMENT IS TO BE OVERLAID AFTER REPAIRING.

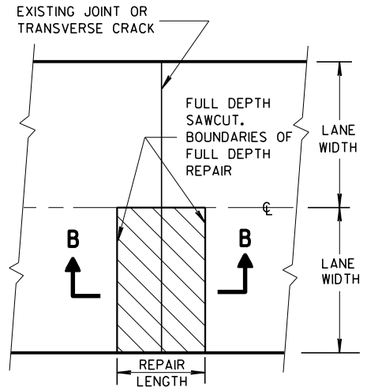
(1) DOWEL BARS MIGHT NOT EXIST.



PLAN VIEW

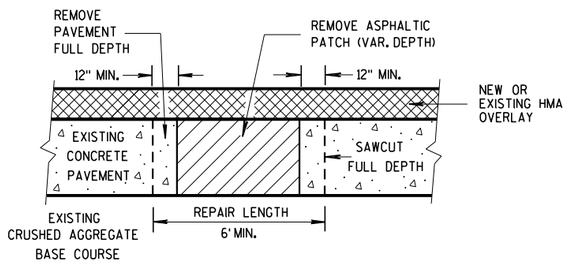


PLAN VIEW
(DOUBLE LANE REPAIR)



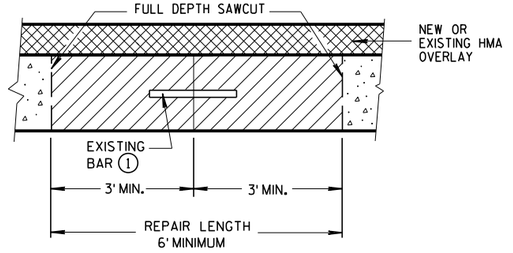
PLAN VIEW
(SINGLE LANE REPAIR)

FULL DEPTH CONCRETE PAVEMENT REMOVAL



SECTION A-A

HMA PATCH REMOVAL



SECTION B-B

CONCRETE REMOVAL

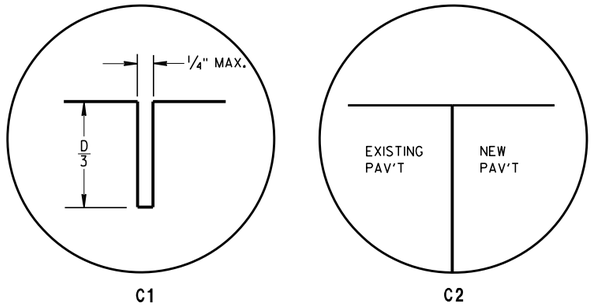
6

6

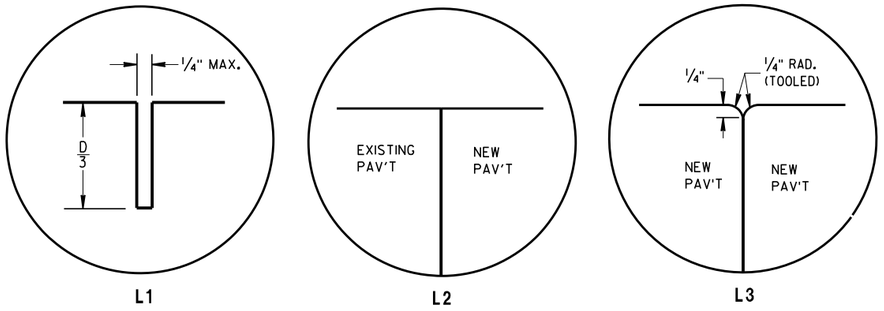
S.D.D. 13 C 14-7a

S.D.D. 13 C 14-7a

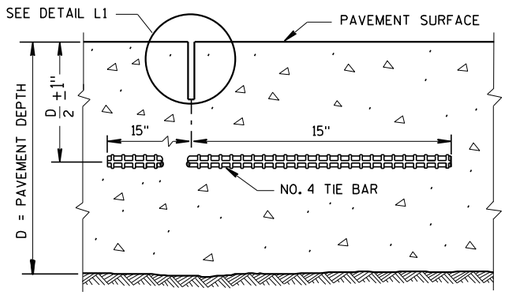
BASE PATCHING CONCRETE



TRANSVERSE JOINTS

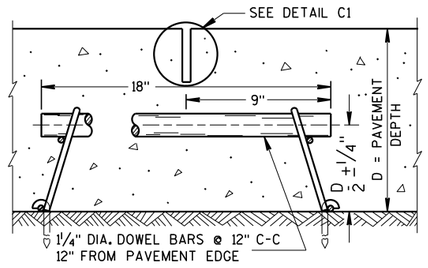


LONGITUDINAL JOINTS



SECTION C-C

SAWED LONGITUDINAL JOINT



SECTION F-F

CONTRACTION JOINT

GENERAL NOTES

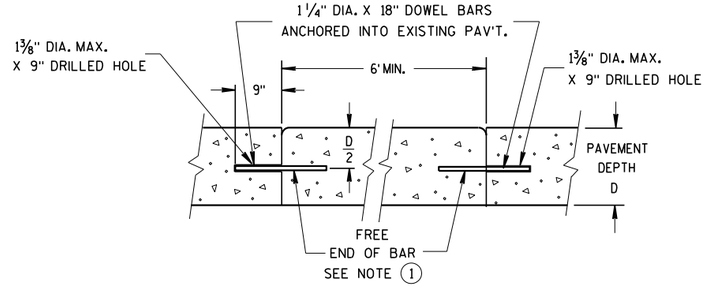
INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

CONCRETE BASE PATCHES OF EXISTING NONDOWELED CONCRETE PAVEMENTS DO NOT NEED TO BE DOWELED.

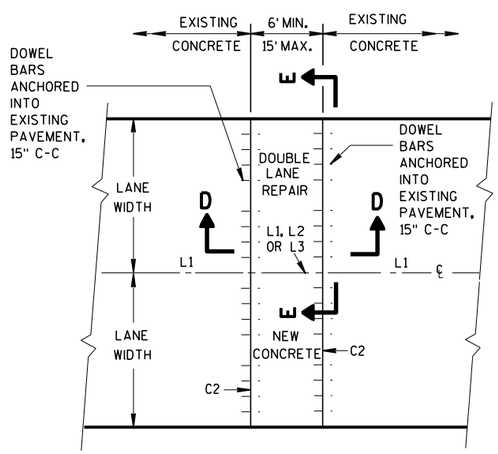
ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

PROVIDE A MINIMUM DISTANCE OF 15 INCHES FROM AN EXISTING TRANSVERSE JOINT OR THE EDGE OF REPLACEMENT TO THE CENTER OF THE TIE BAR NEAREST THAT JOINT OR EDGE.

(1) APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

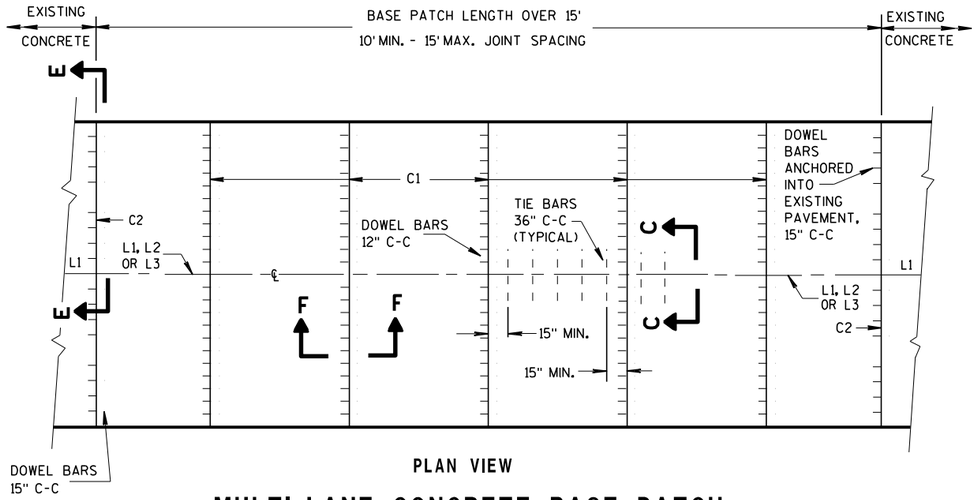


SECTION D-D



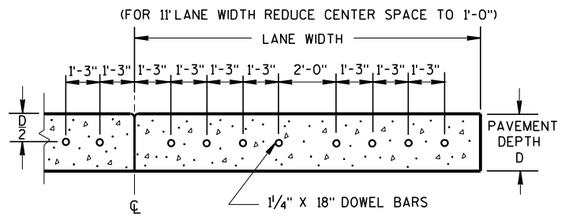
PLAN VIEW

MULTI-LANE CONCRETE BASE PATCH 15' MAXIMUM LENGTH



PLAN VIEW

MULTI-LANE CONCRETE BASE PATCH GREATER THAN 15' IN LENGTH

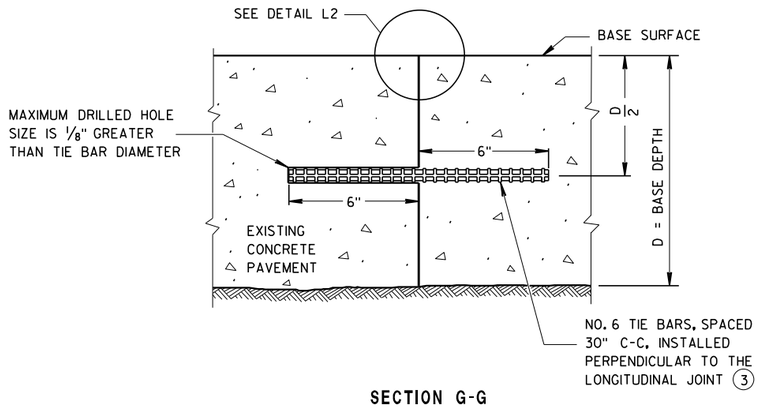


SECTION E-E

SPACING OF DOWEL BARS ANCHORED INTO EXISTING PAVEMENT

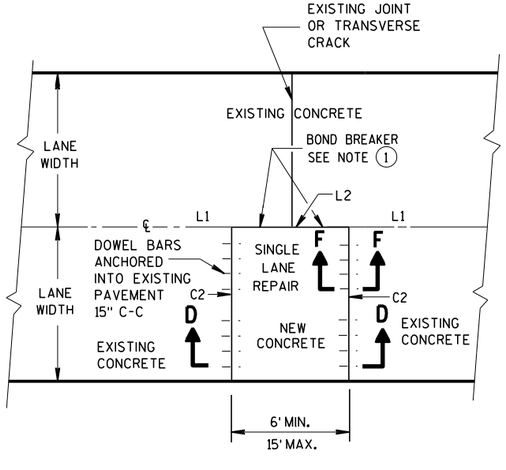
BASE PATCHING CONCRETE

6
S.D.D. 13 C 14-7b



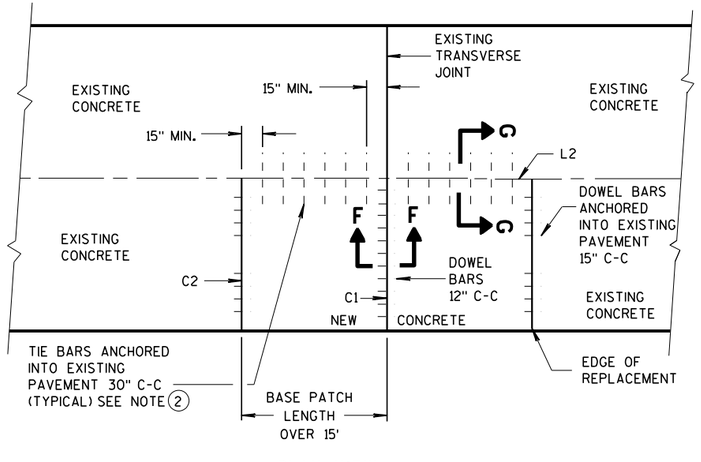
SECTION G-G

TIE BARS ANCHORED INTO EXISTING PAVEMENT



PLAN VIEW

SINGLE LANE CONCRETE BASE PATCH 15' MAXIMUM LENGTH



PLAN VIEW

SINGLE LANE CONCRETE BASE PATCH GREATER THAN 15' IN LENGTH

GENERAL NOTES

(1) USE AN ENGINEER-APPROVED BOND BREAKER (E.G. RELEASE AGENT, CURING COMPOUND) FOR SINGLE LANE BASE PATCHES UP TO 15 FEET IN LENGTH.

(2) WITH THE APPROVAL OF THE ENGINEER, FOR SINGLE LANE PAVEMENT REPLACEMENTS LESS THAN 30 FEET IN LENGTH, DRILLED TIE BARS MAY BE INSTALLED ON 6:1 SKEW HORIZONTALLY, DIRECTION OF SKEW ALTERNATING WITH EACH SUCCESSIVE BAR. DRIVE SKEWED TIE BARS TO A DEPTH OF 6 INCHES IN A HOLE OF SUCH A DIAMETER AS TO PROVIDE A TIGHT DRIVEN FIT.

(3) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

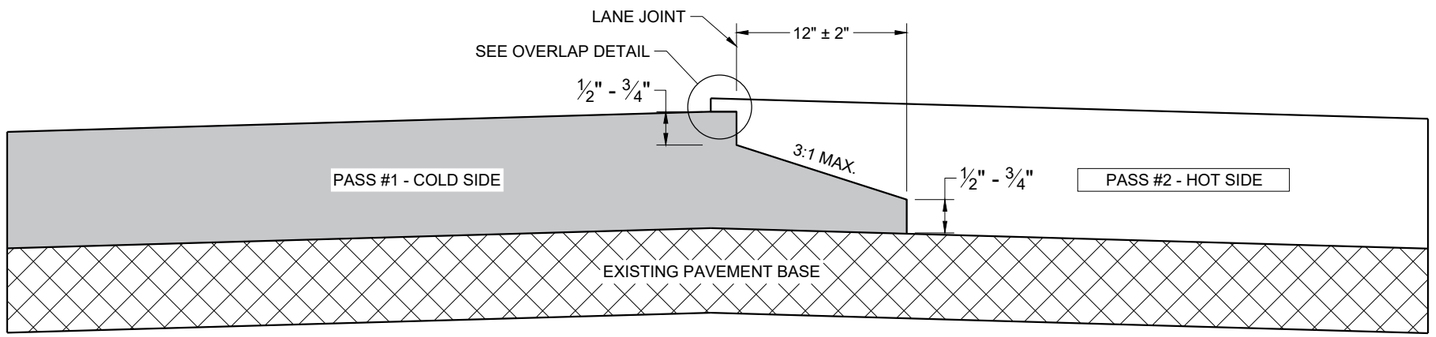
BASE PATCHING CONCRETE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

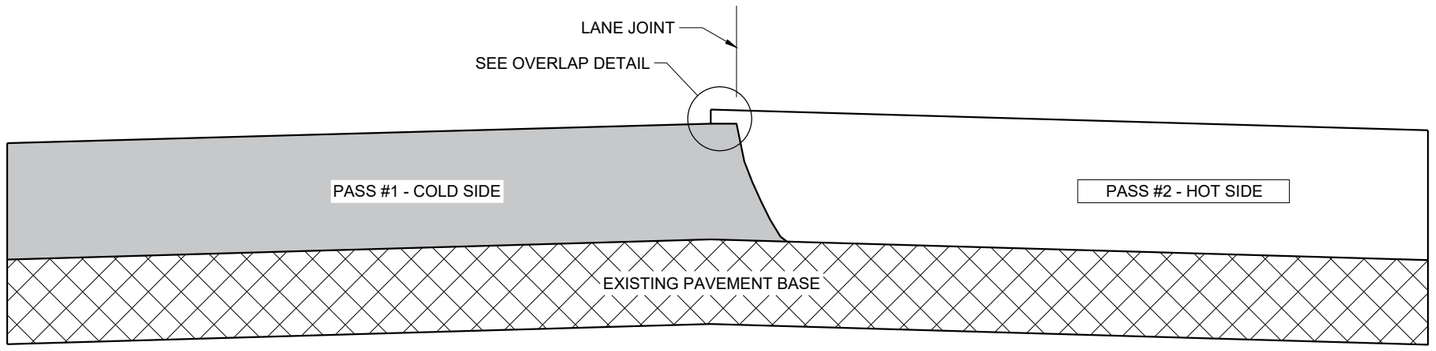
APPROVED
March 2018 — DATE
/S/ Peter Kemp P.E. — PAVEMENT SUPERVISOR
FHWA

6

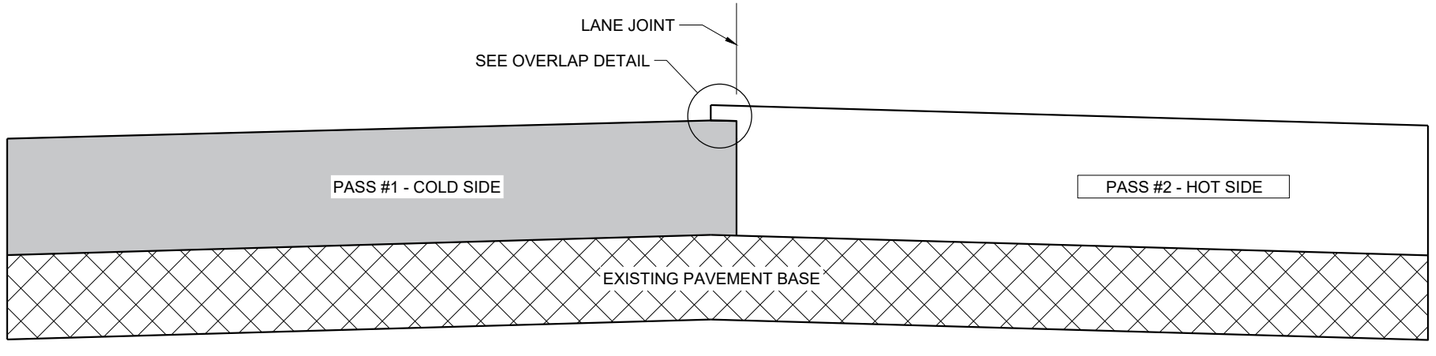
S.D.D. 13 C 14-7c



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

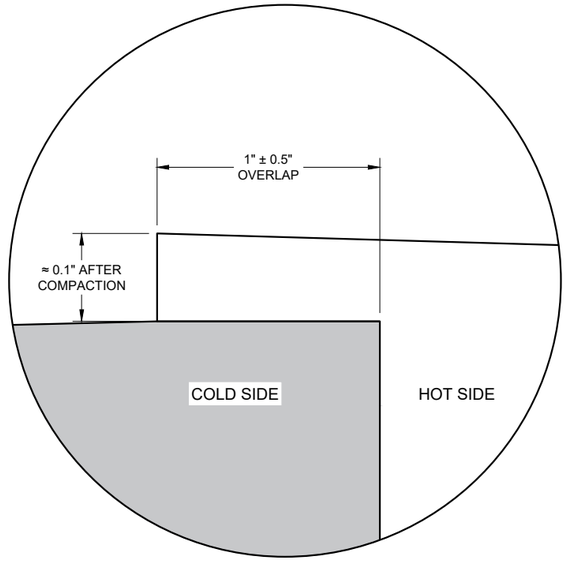
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

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)

6

6

SDD 13C19 - 03

SDD 13C19 - 03

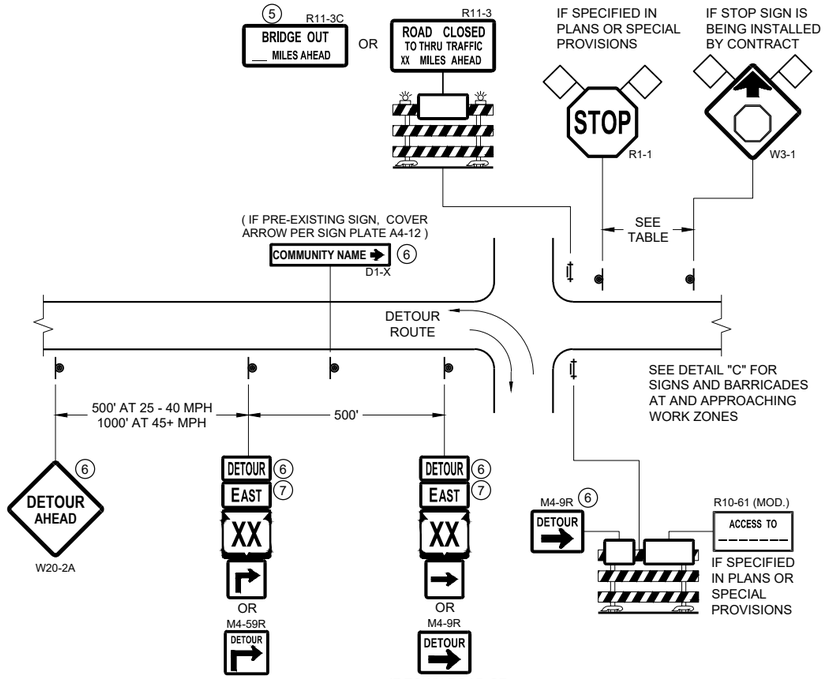
HMA LONGITUDINAL JOINTS

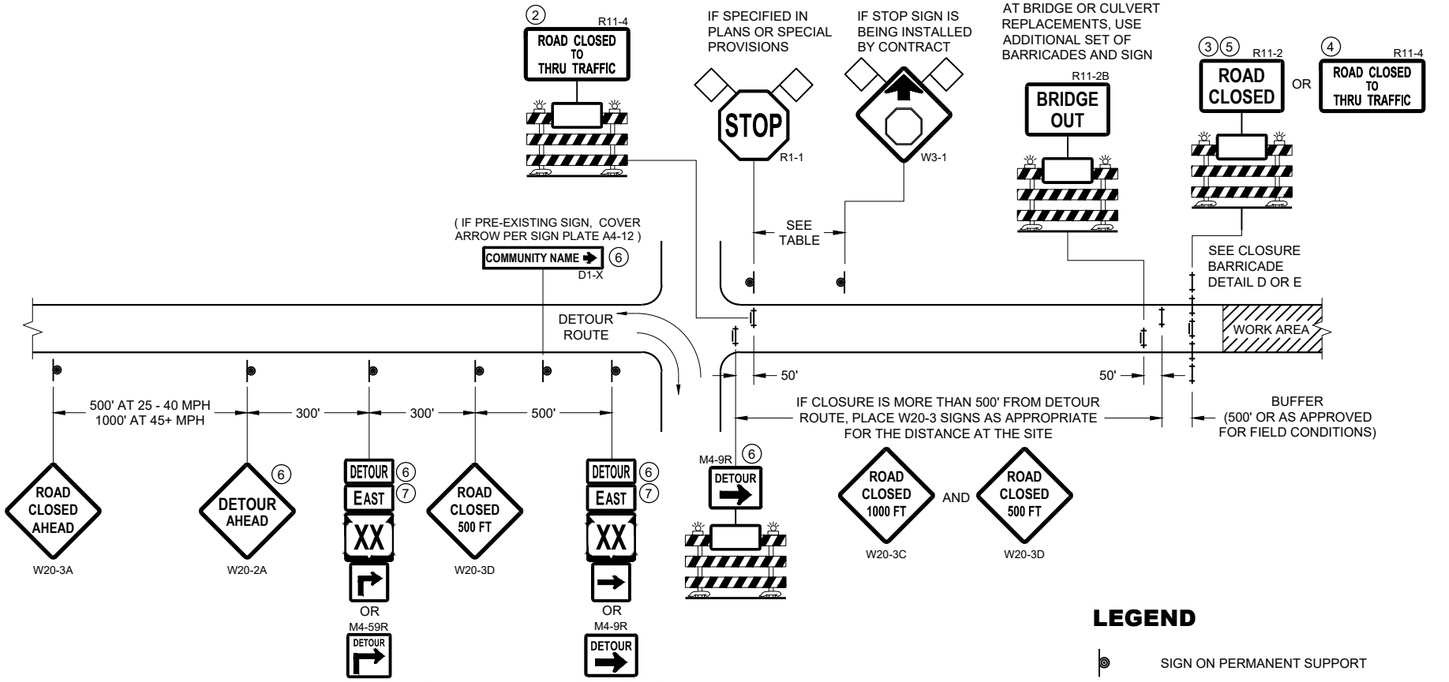
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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)

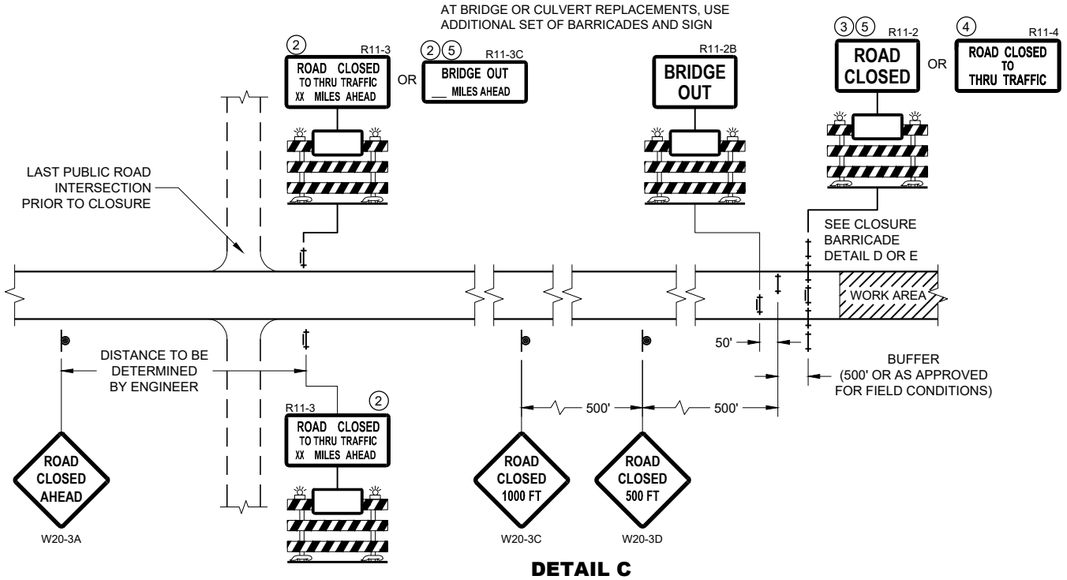
DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

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



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

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

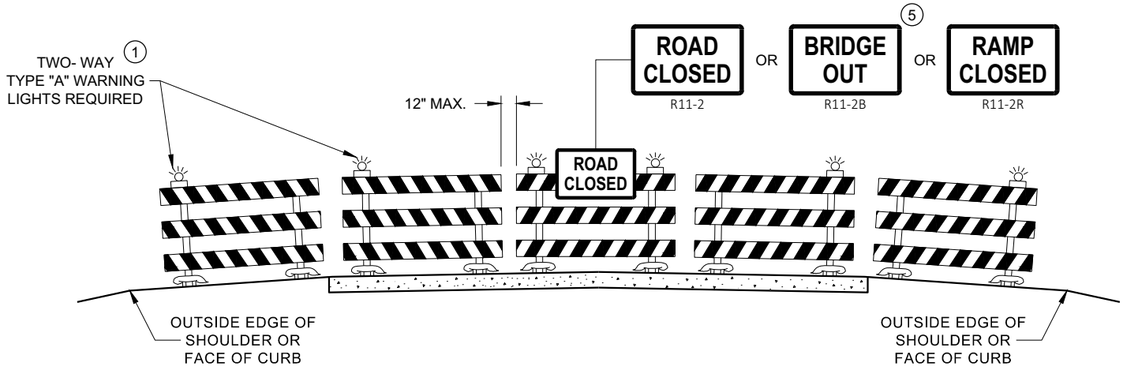
APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

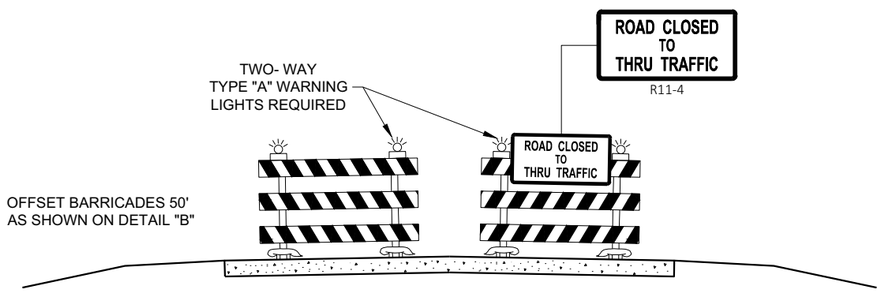
6

SDD 15C02 - 08a

SDD 15C02 - 08a



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
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

6

SDD 15C02 - 08b

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 — M4 - 8
- EAST — 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.

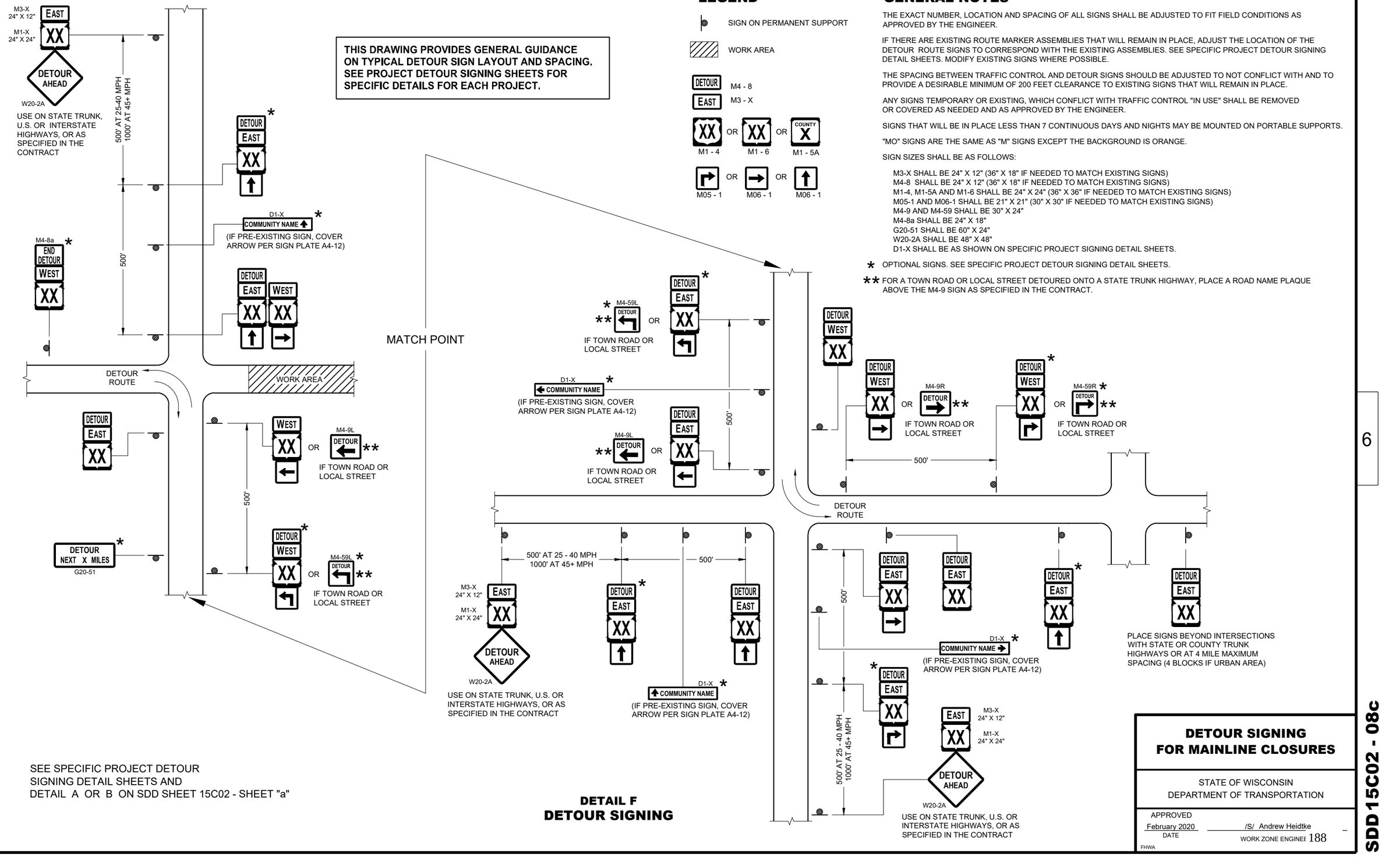
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

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
February 2020
DATE

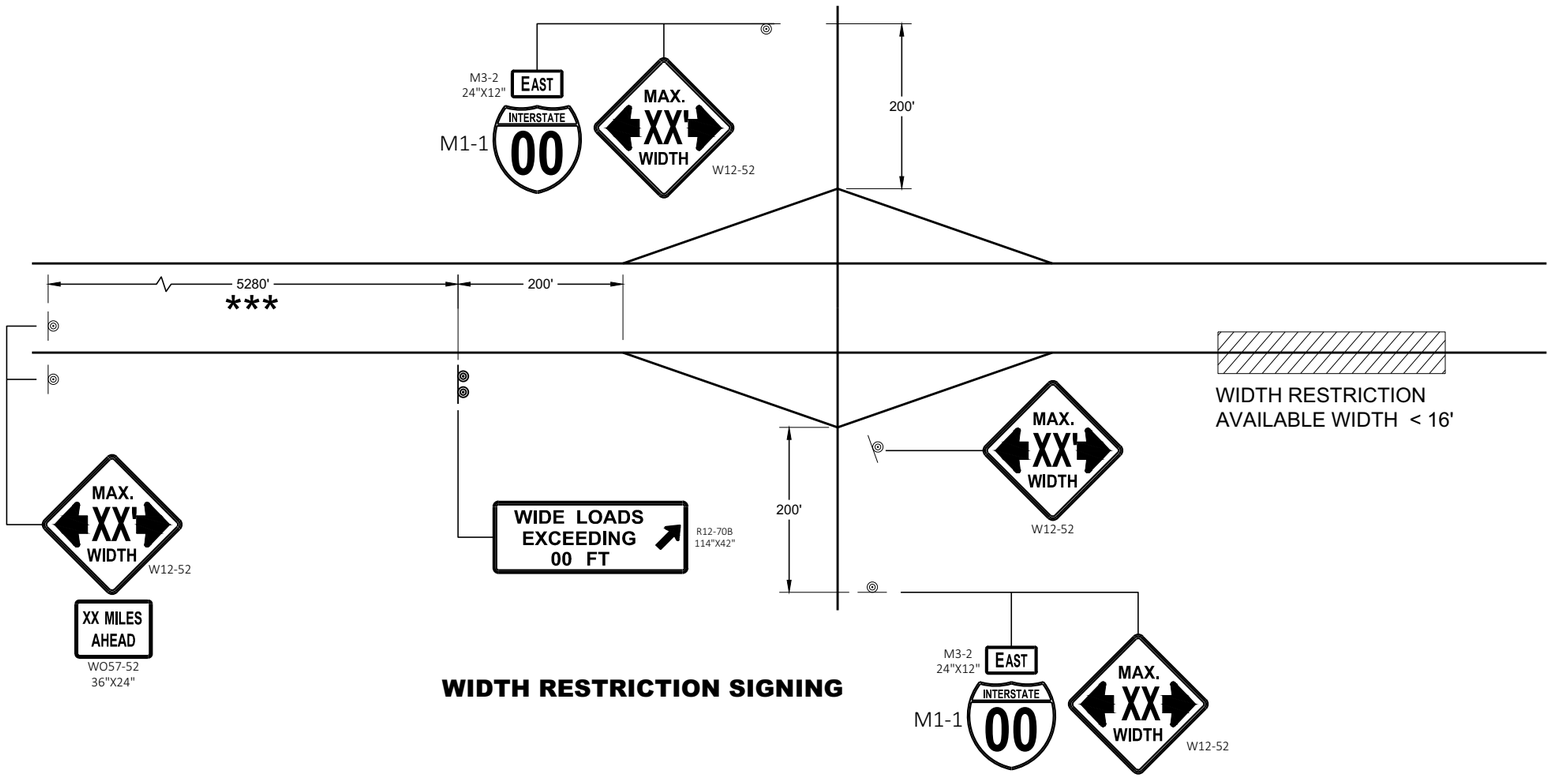
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

SDD 15C02 - 08c

SDD 15C02 - 08c

6



WIDTH RESTRICTION SIGNING

LEGEND

SIGN ON PERMANENT SUPPORT

GENERAL NOTES

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

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

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

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

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

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

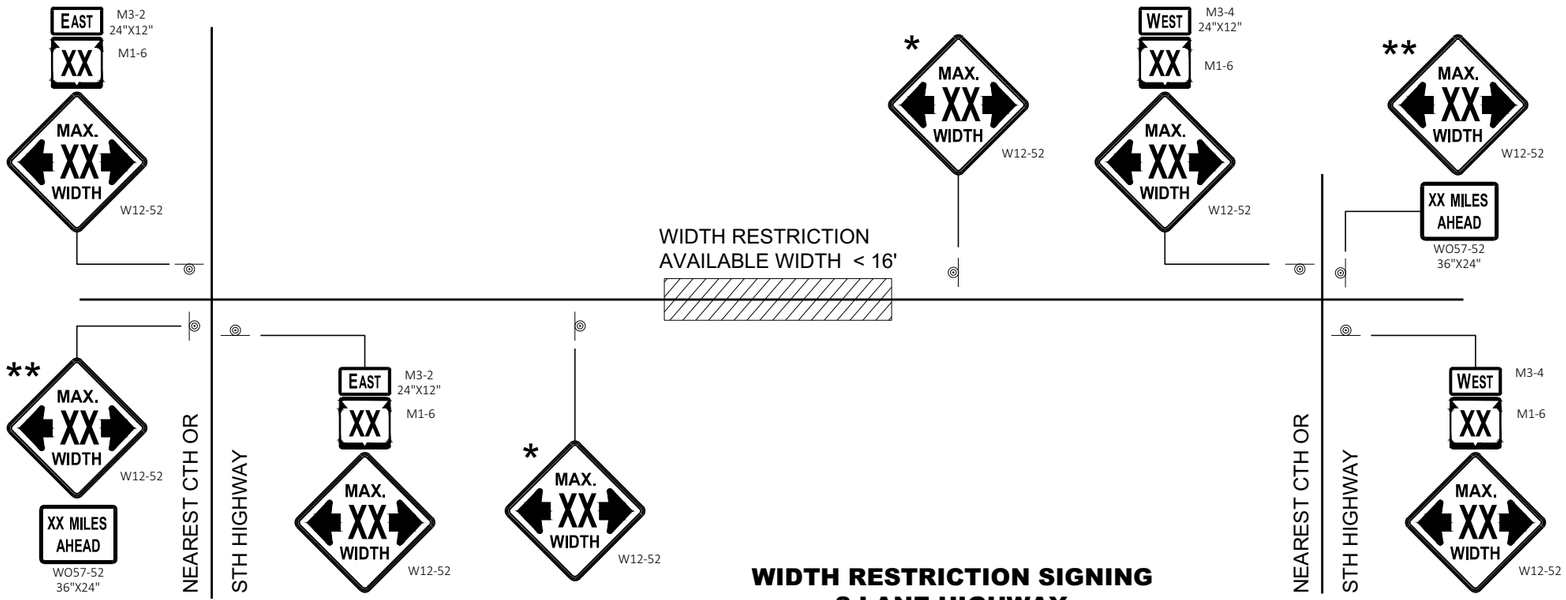
* PLACE 500 FEET AFTER THE W20 - 1A AND 500 FEET BEFORE ADDITIONAL SIGNS FOR ROADWAYS WITH A PRE - CONSTRUCTION SPEED LIMIT OF 45 MPH OR MORE. FOR 35-40 MPH, USE 350 FOOT TYPICAL SPACING. FOR 25-30 MPH, USE 200 FOOT TYPICAL SPACING.

** SIGN SHALL BE VISIBLE FROM ROADWAY.

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



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



WIDTH RESTRICTION SIGNING
2 LANE HIGHWAY

ADVANCED WIDTH RESTRICTION SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

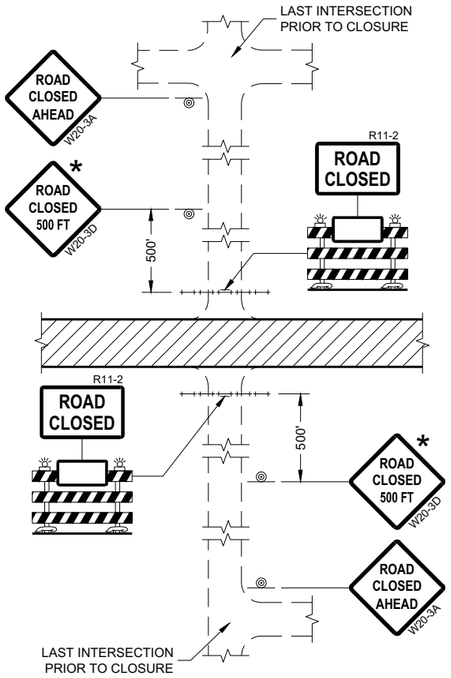
APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

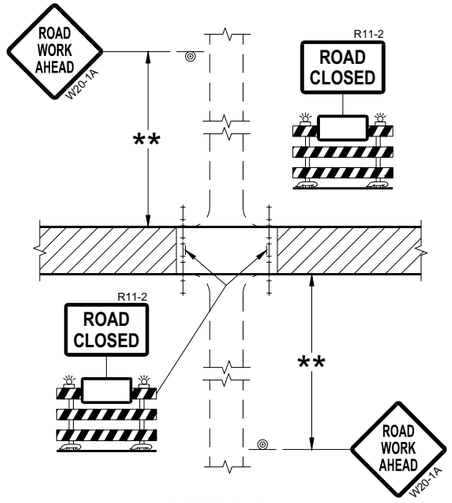
FHWA

6

SDD 15C02 - 08f



DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO 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.

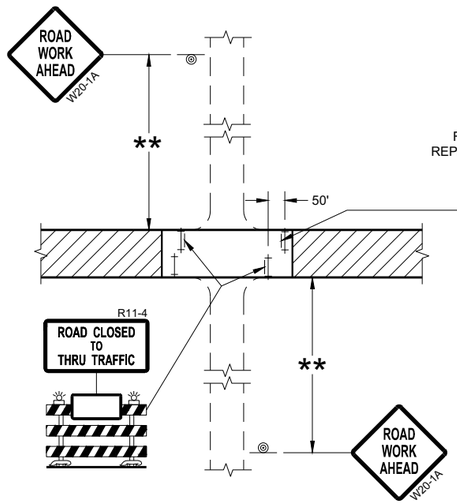
TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

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.

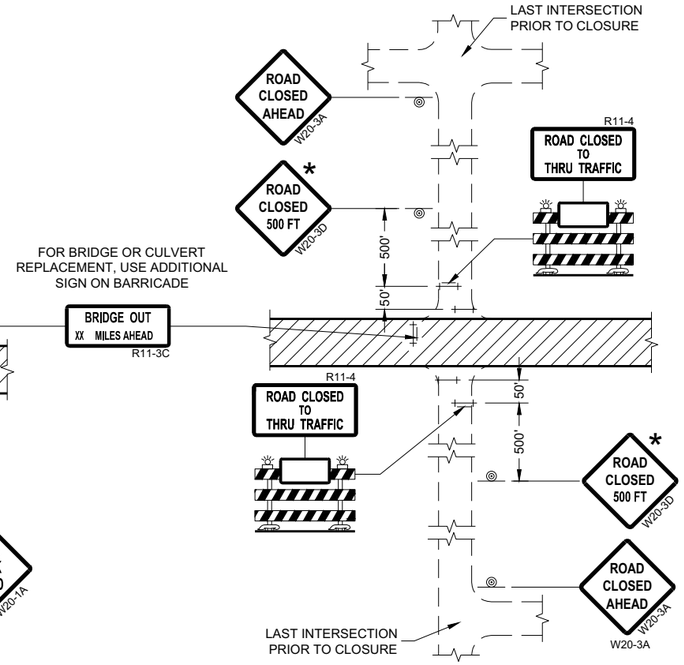
ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* 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.



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)



DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

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

6

SDD 15C03 - 05

SDD 15C03 - 05

GENERAL NOTES

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

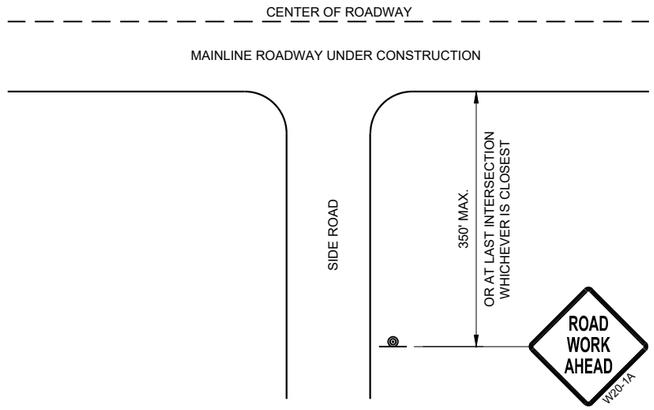
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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



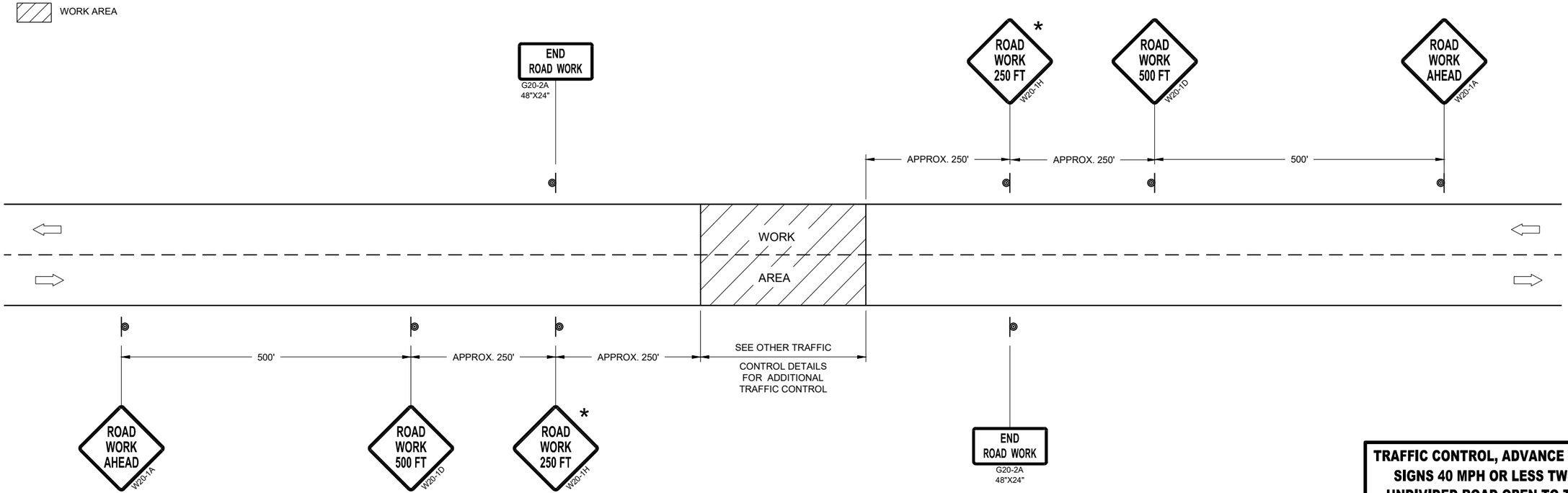
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

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

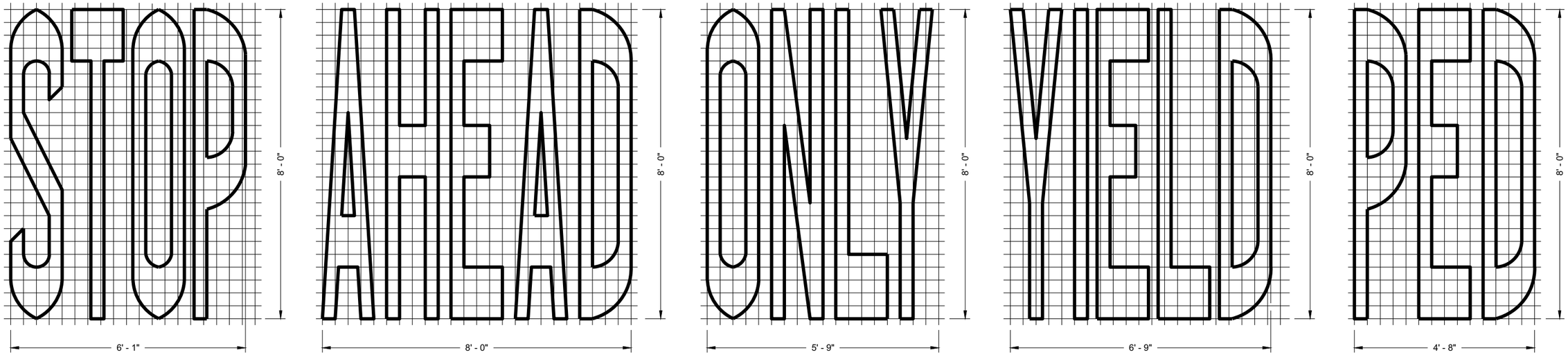
APPROVED
July 2018
DATE

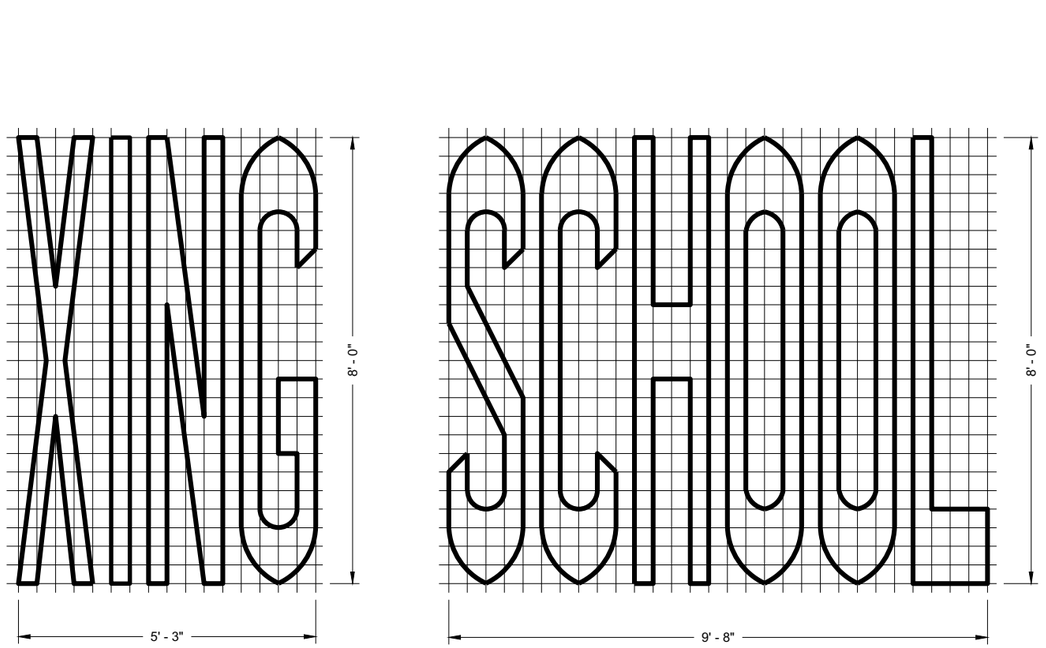
/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

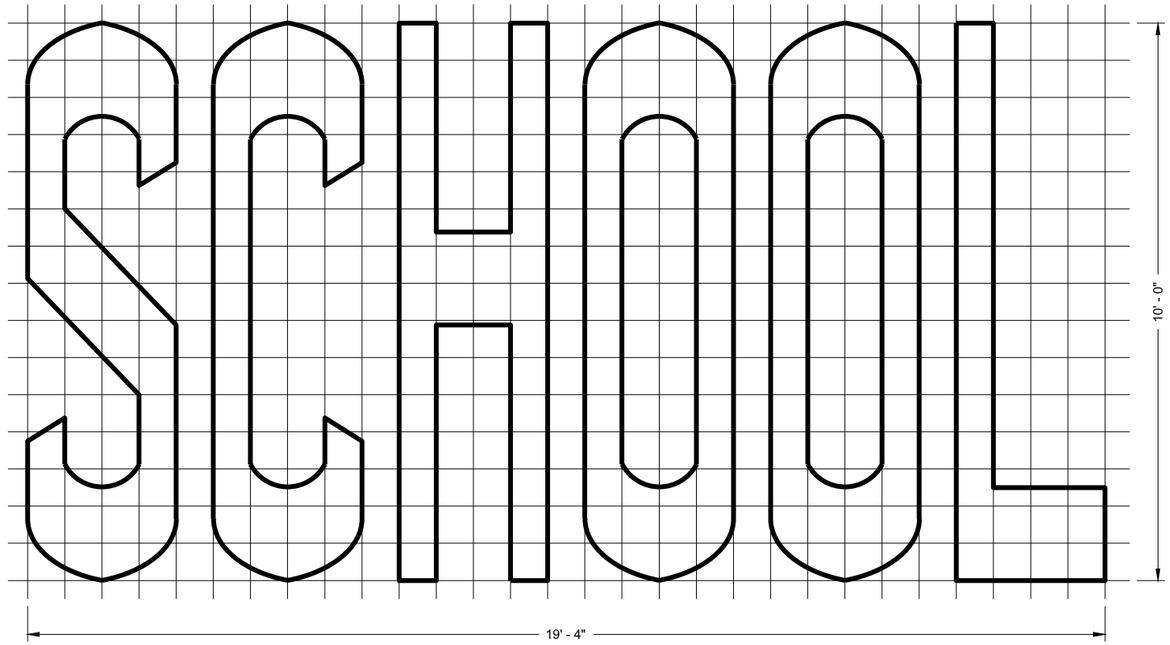
6

SDD 15C05 - 05





SINGLE LANE



TWO - LANE

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.

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

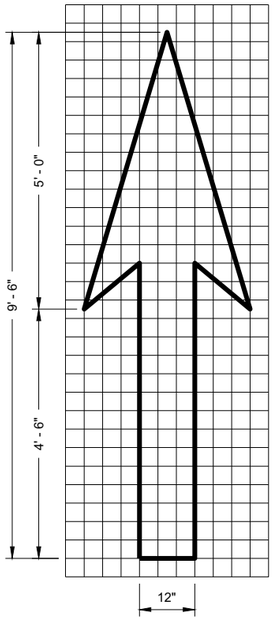
6

SDD 15C07 - 15b

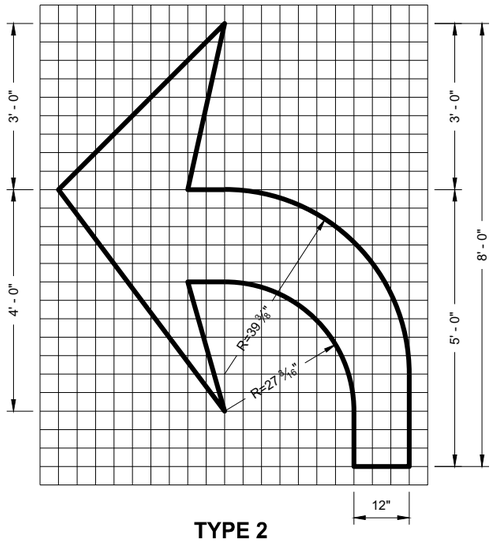
SDD 15C07 - 15b

GENERAL NOTES

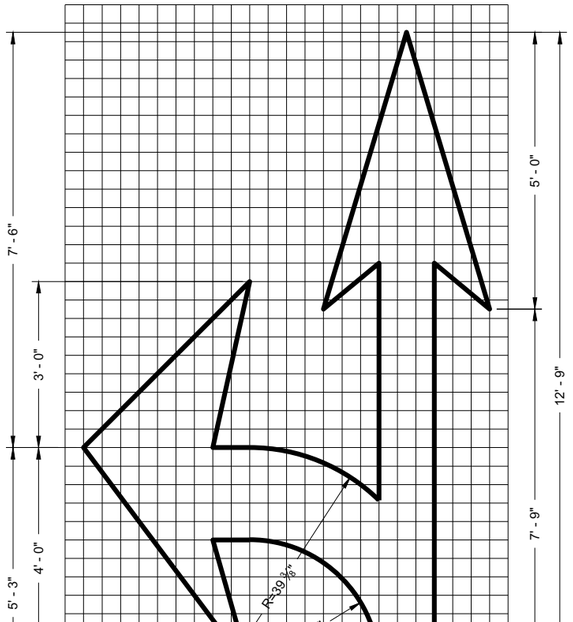
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



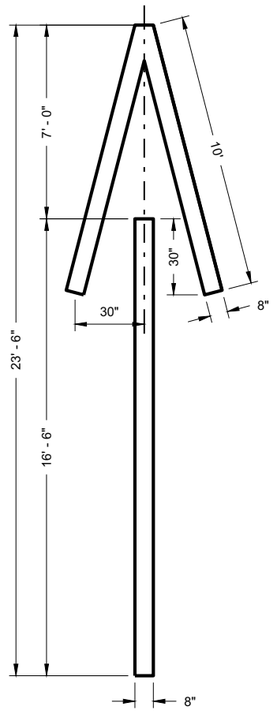
TYPE 1



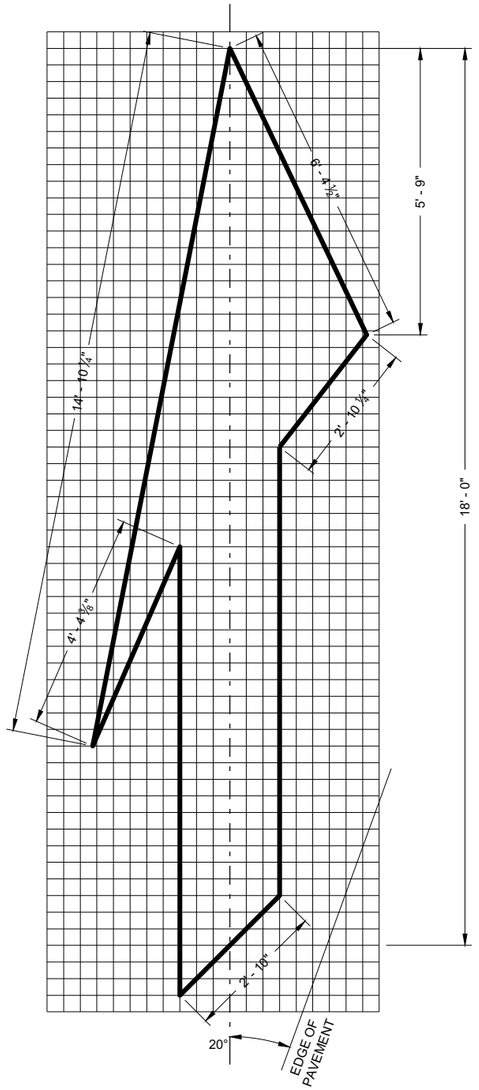
TYPE 2



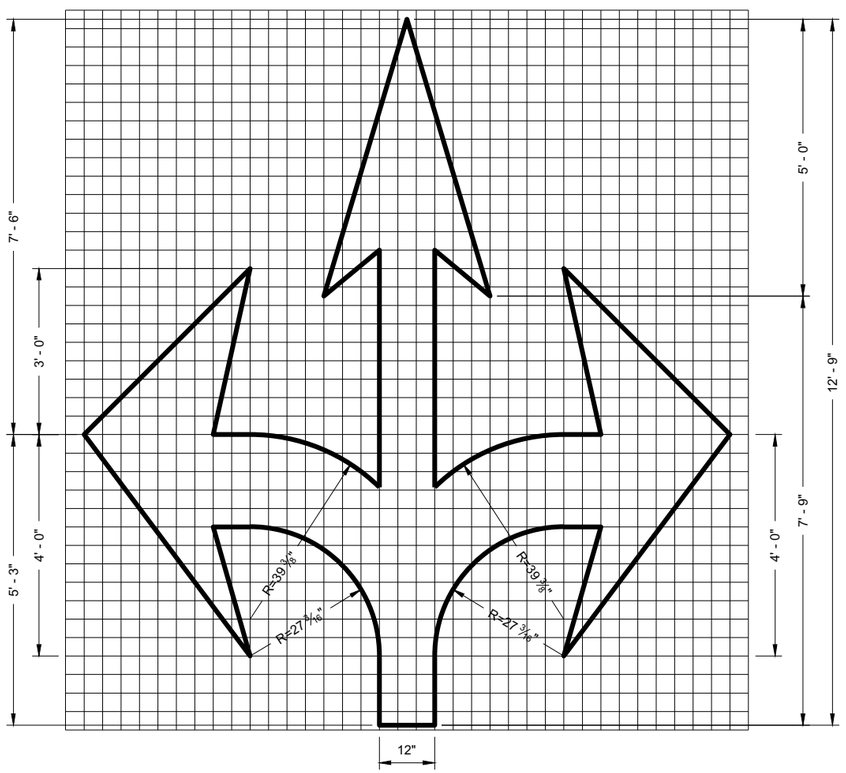
TYPE 3



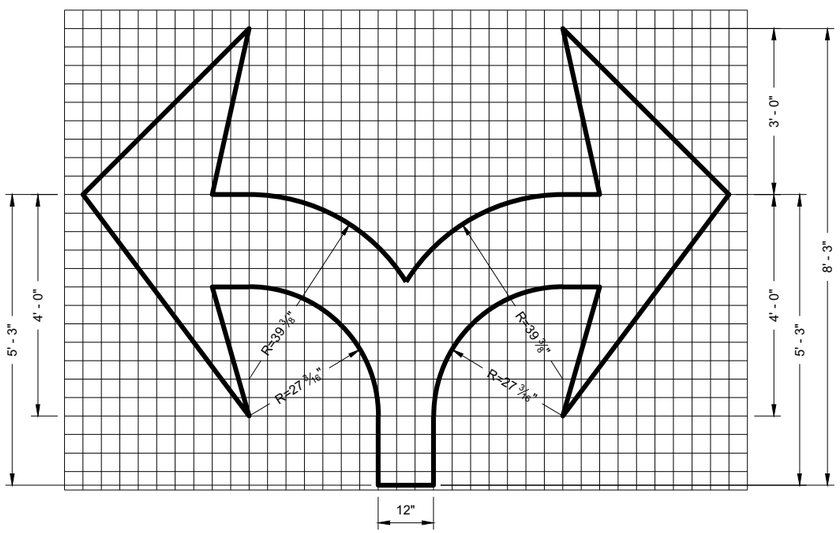
TYPE 4



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

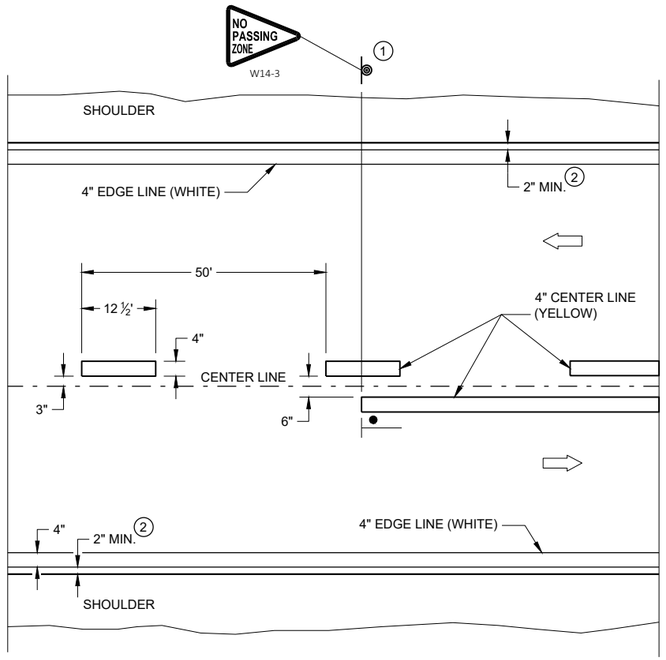
193

6

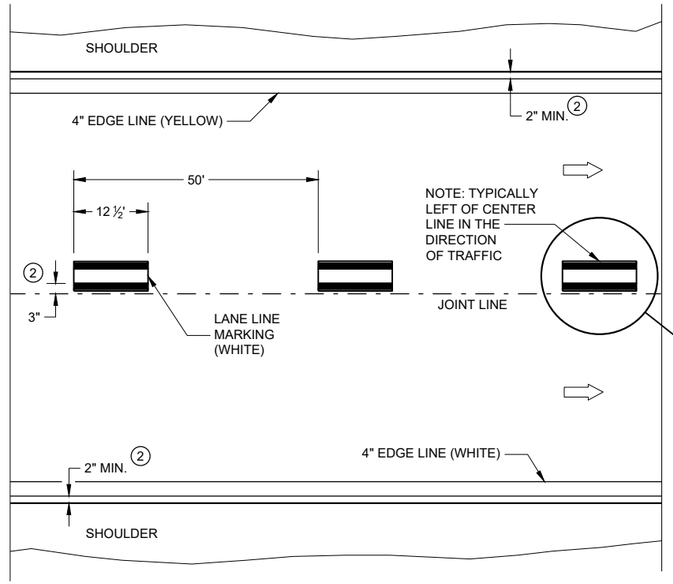
SDD 15C07 - 15c

6

SDD 15C07 - 15c



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

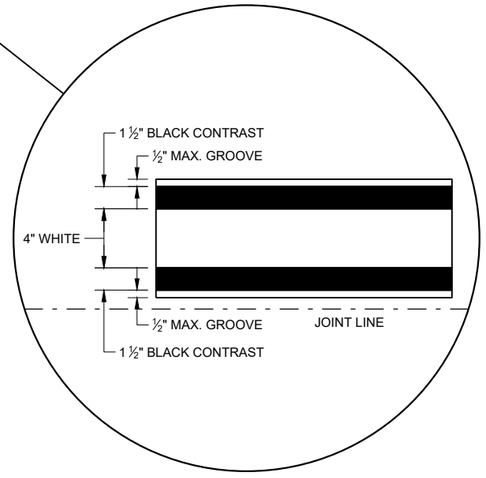
GENERAL NOTES

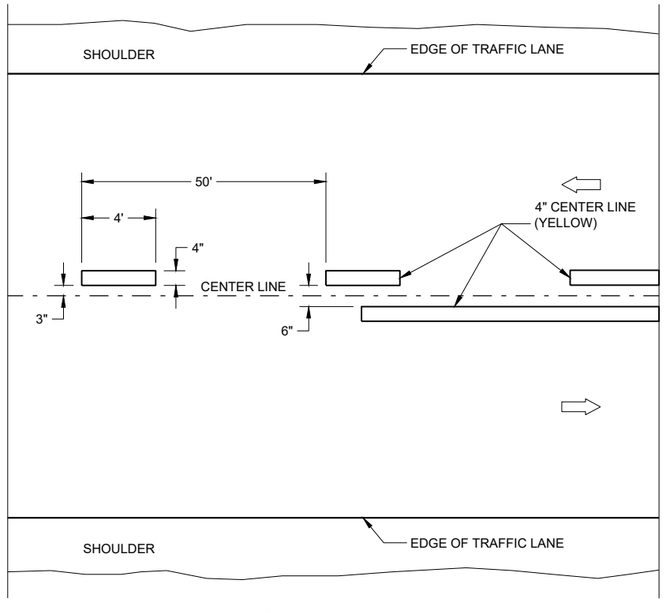
DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

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

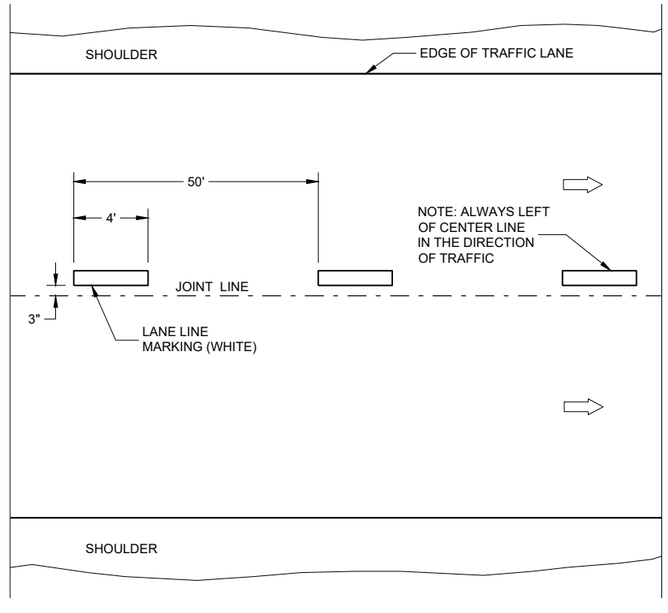
LEGEND

- "T" MARKING
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC





TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

LONGITUDINAL MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA

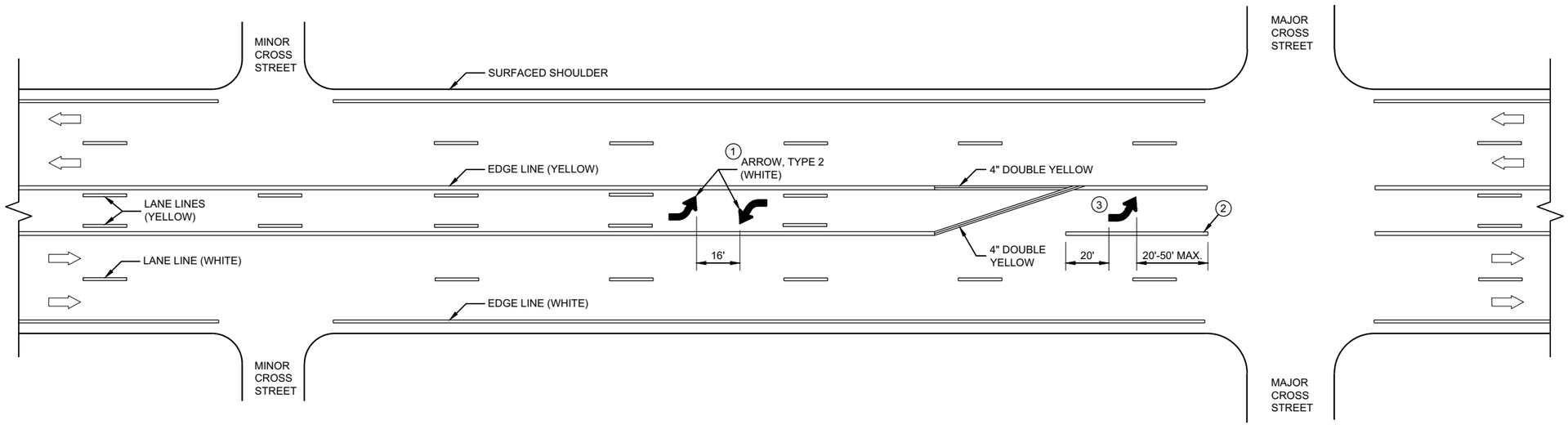
SDD 15C08 - 20a

SDD 15C08 - 20a

GENERAL NOTES

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

DIRECTION OF TRAFFIC



TWO WAY LEFT TURN LANE

PAVEMENT MARKING (TURN LANES)

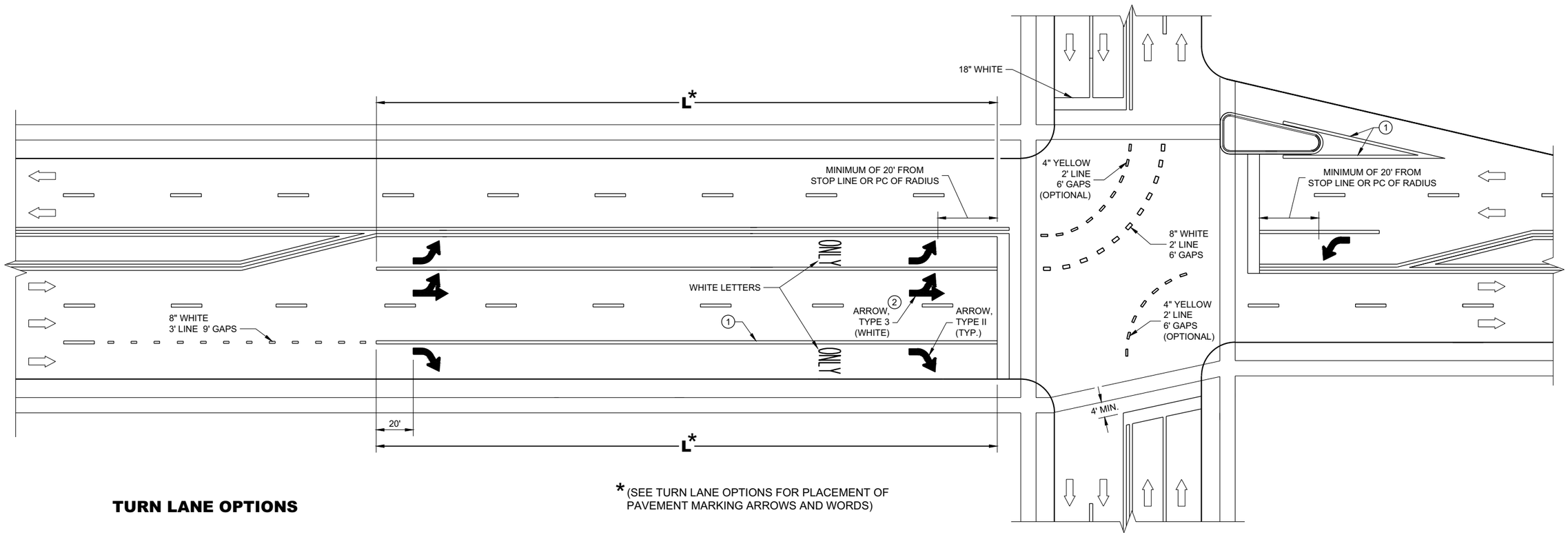
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15C08 - 20b

6

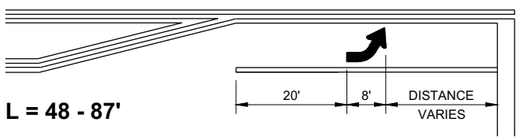
SDD 15C08 - 20b



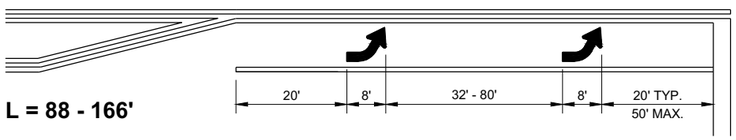
* (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

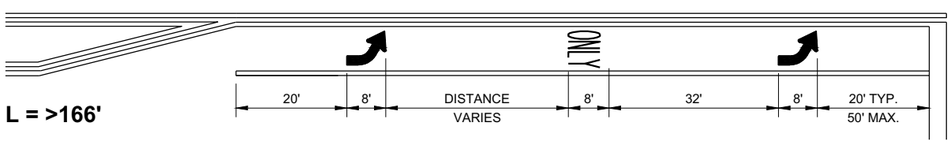
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



L = 48 - 87'



L = 88 - 166'



L = >166'

GENERAL NOTES

1. 8" WHITE
2. 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

PAVEMENT MARKING (TURN LANES)

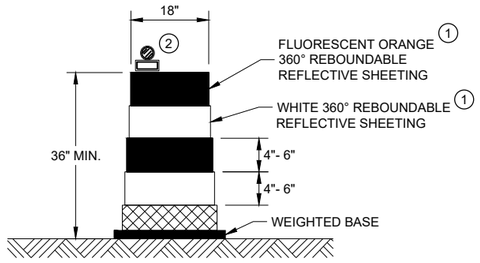
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

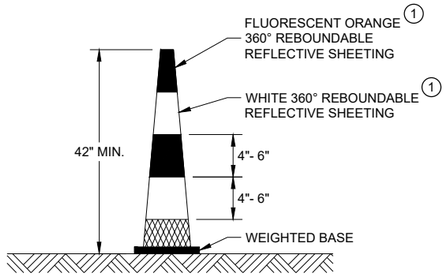
SDD 15C08 - 20c

GENERAL NOTES

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

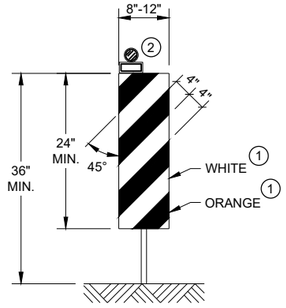


DRUM



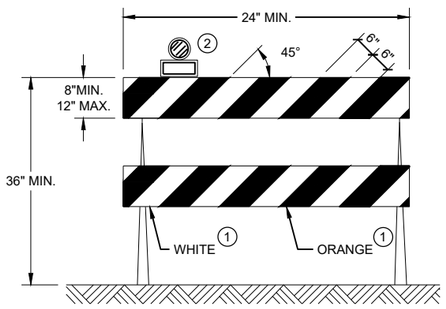
42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS



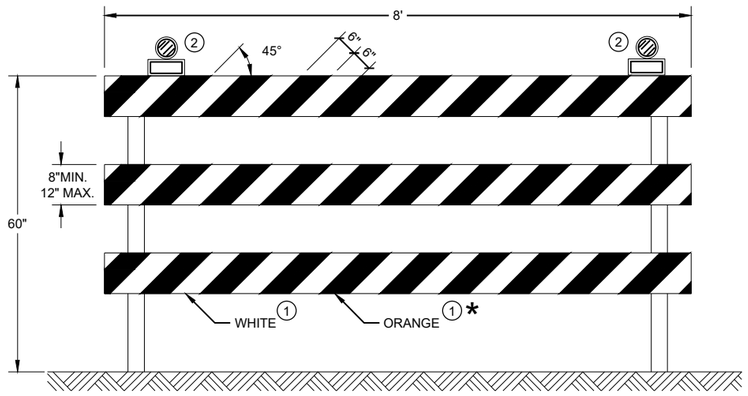
VERTICAL PANEL

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



TYPE II BARRICADE

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



TYPE III BARRICADE

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

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES
DRUMS, CONES, BARRICADES
AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2021
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

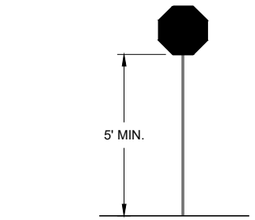
SDD15C11 - 09b

6

SDD15C11 - 09b

LEGEND

- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TEMPORARY PORTABLE RUMBLE STRIP ARRAY
- DIRECTION OF TRAFFIC
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF



STOP/SLOW PADDLE ON SUPPORT STAFF

GENERAL NOTES

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

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

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

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

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

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

FLAGGING

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

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

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

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

TEMPORARY PORTABLE RUMBLE STRIPS

UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

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

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

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

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

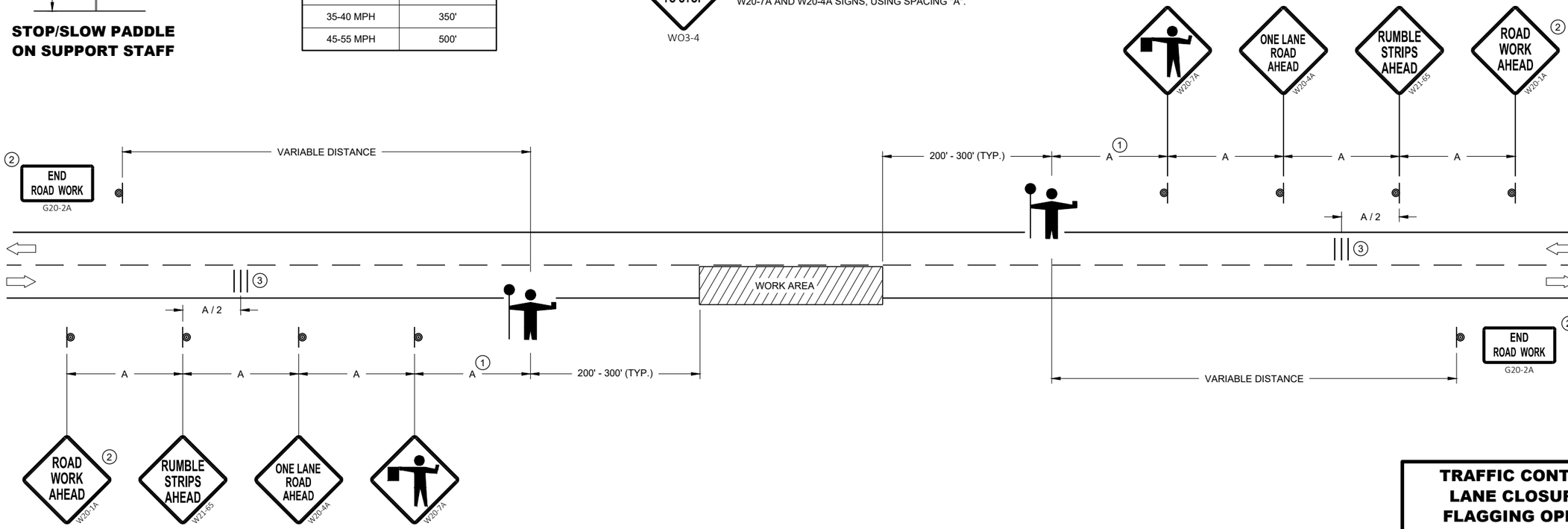
SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

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



WO3-4

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



TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

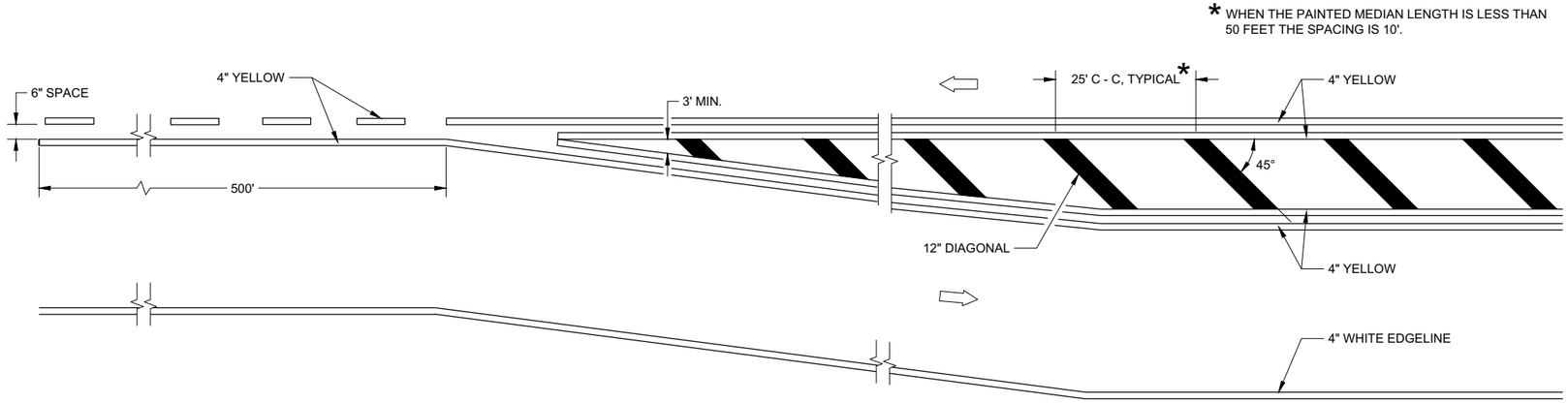
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2021 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

FHWA

6

SDD 15C12 - 08

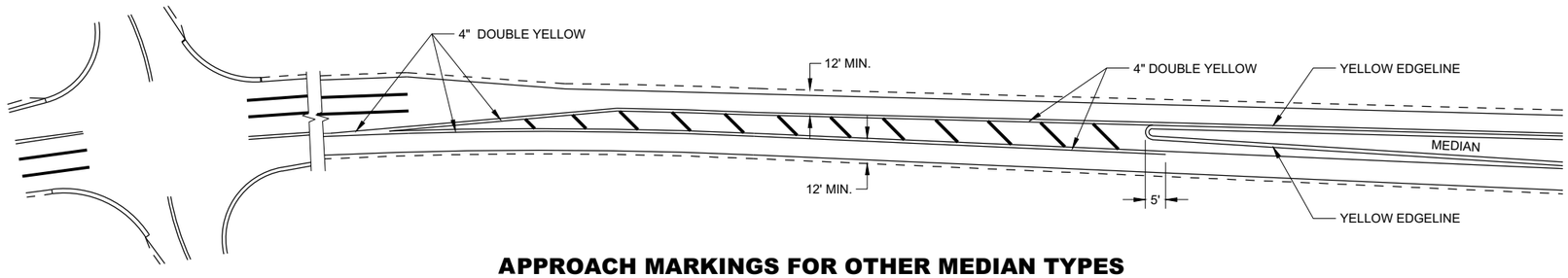


MEDIAN ISLAND DETAIL

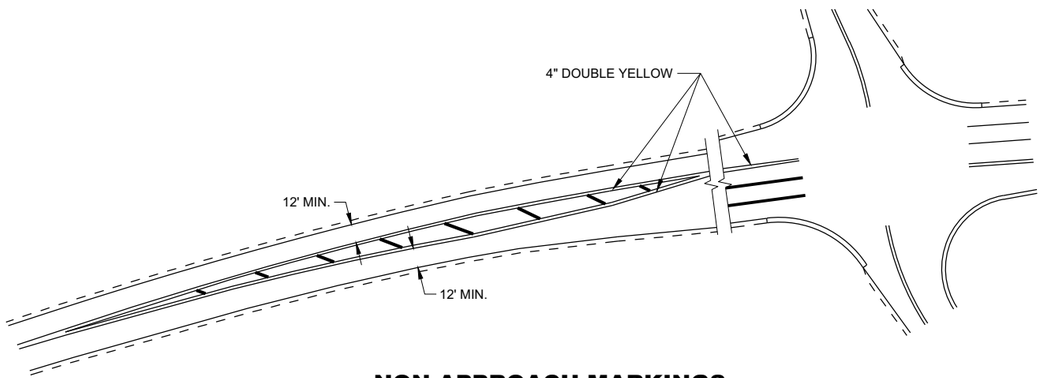
GENERAL NOTES

DIAGONALS ARE OPTIONAL WHEN PAINED ISLAND IS LESS THAN 6 FEET AT WIDEST POINT.

DIRECTION OF TRAVEL



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON-APPROACH MARKINGS

MEDIAN ISLAND PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

February 2021
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAF ENGINEER

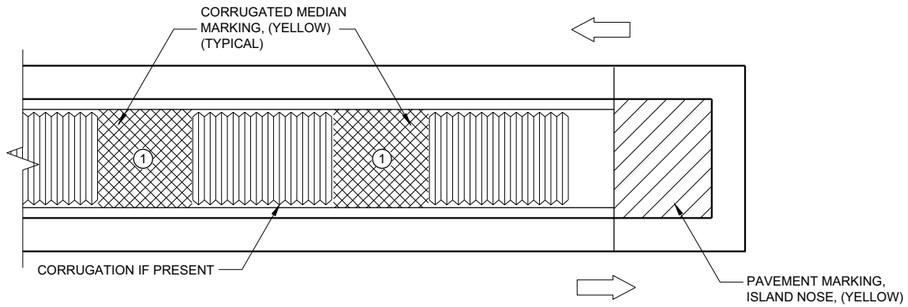
FHWA

6

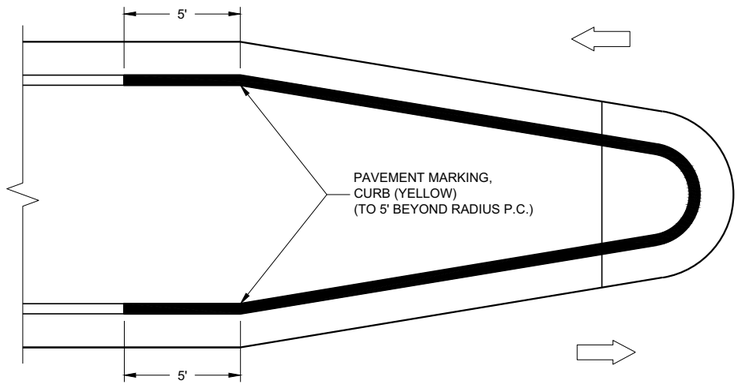
SDD 15C18 - 05a

6

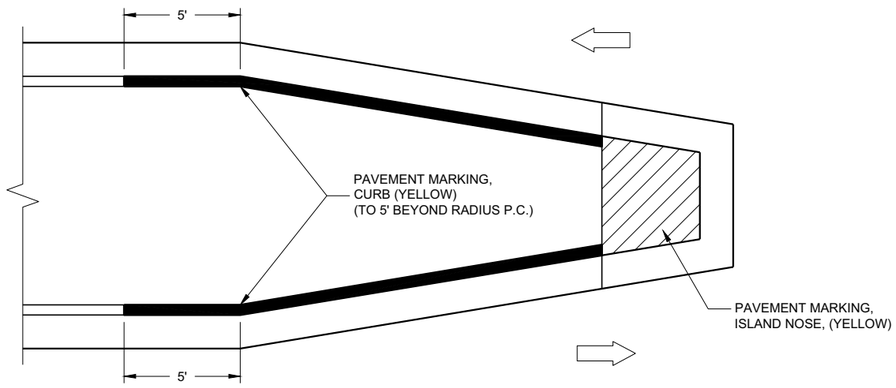
SDD 15C18 - 05a



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.

ISLAND NOSE MARKING

CURB MARKING

CORRUGATED MEDIAN MARKING

DIRECTION OF TRAVEL

**PAVEMENT MARKINGS,
MEDIAN ISLAND NOSE**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

February 2021
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAR
ENGINEER

FHWA

6

SDD 15C18 - 05b

SDD15C18 - 05b

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.

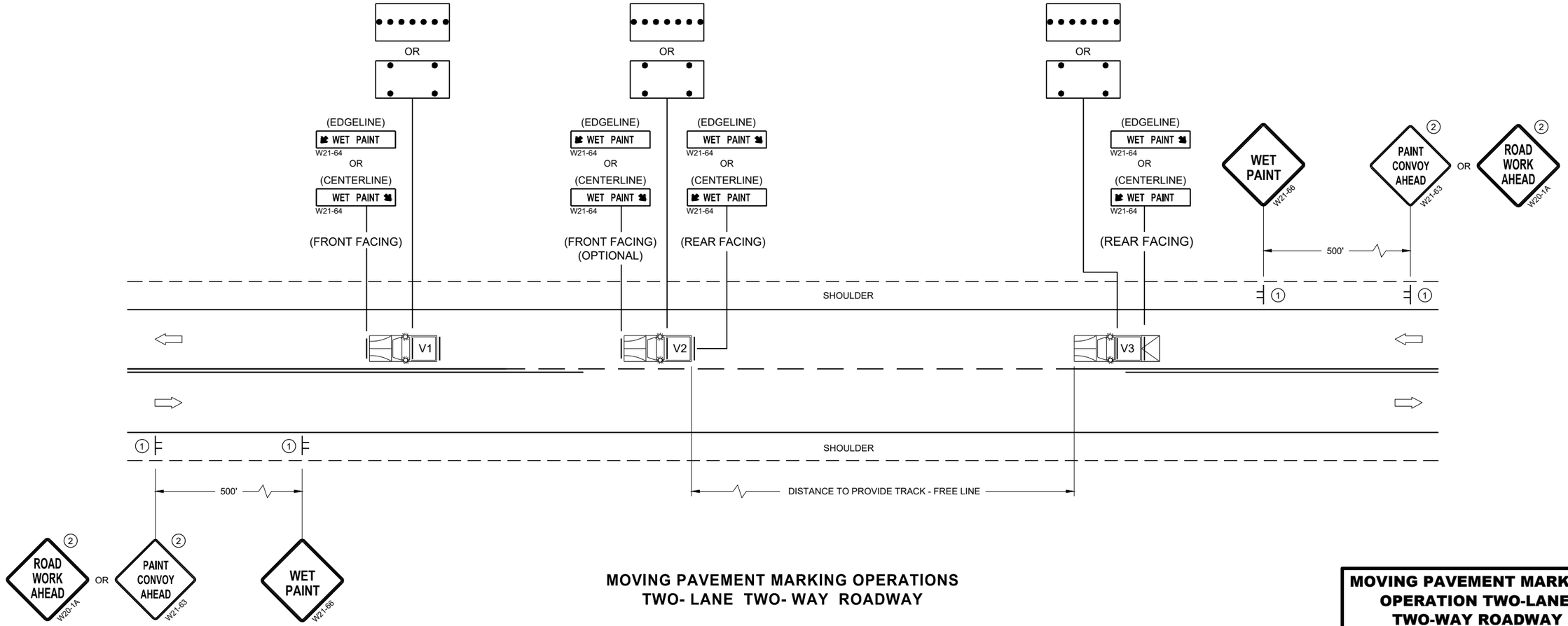
WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC.

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.



MOVING PAVEMENT MARKING OPERATIONS TWO- LANE TWO- WAY ROADWAY

MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

201

6

SDD 15C19 - 06a

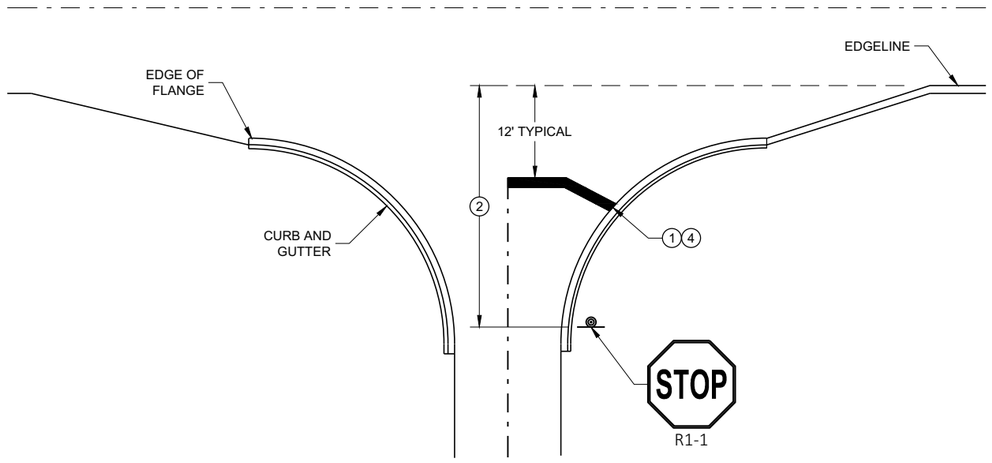
6

SDD 15C19 - 06a

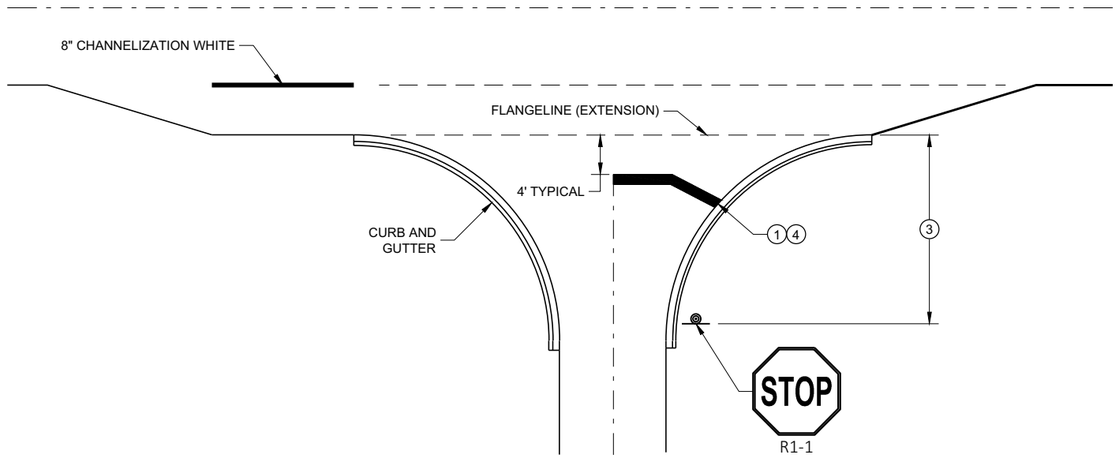
GENERAL NOTES

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

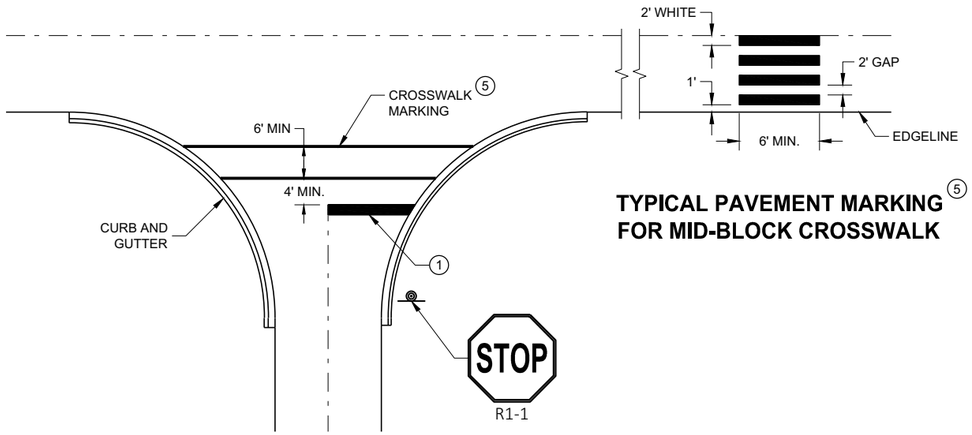
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE 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

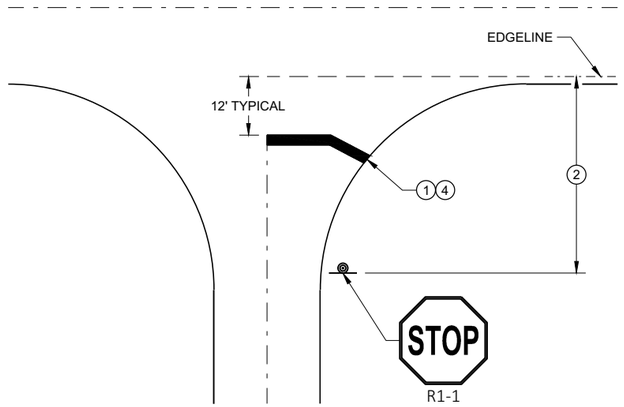


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



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

FHWA

6

SDD 15C33 - 04

6

SDD 15C33 - 04

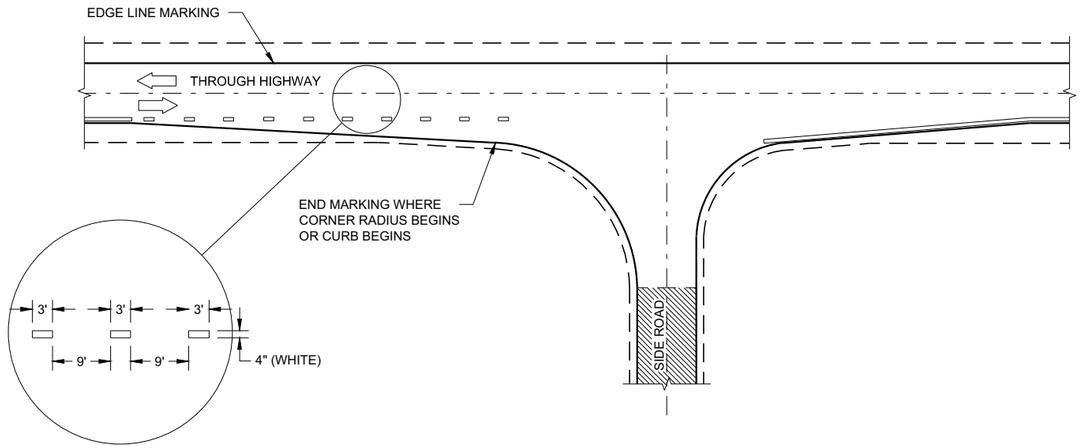
GENERAL NOTES

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

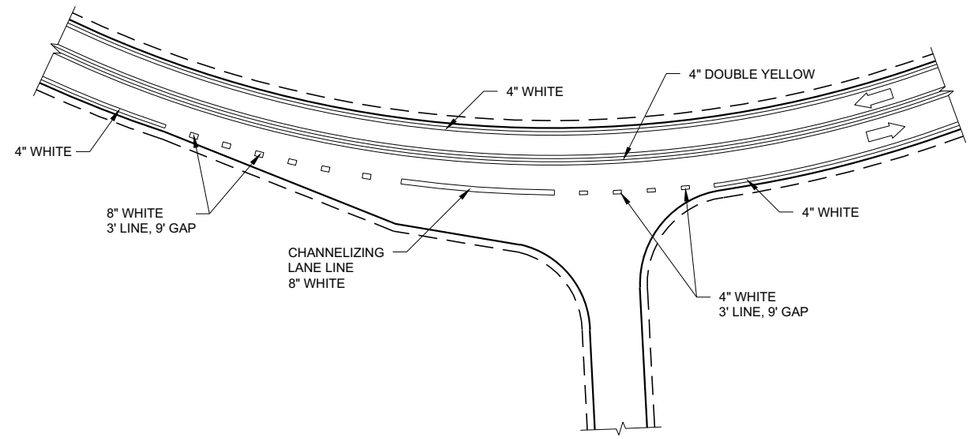
1. WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
2. WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
3. BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
4. BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.

LEGEND

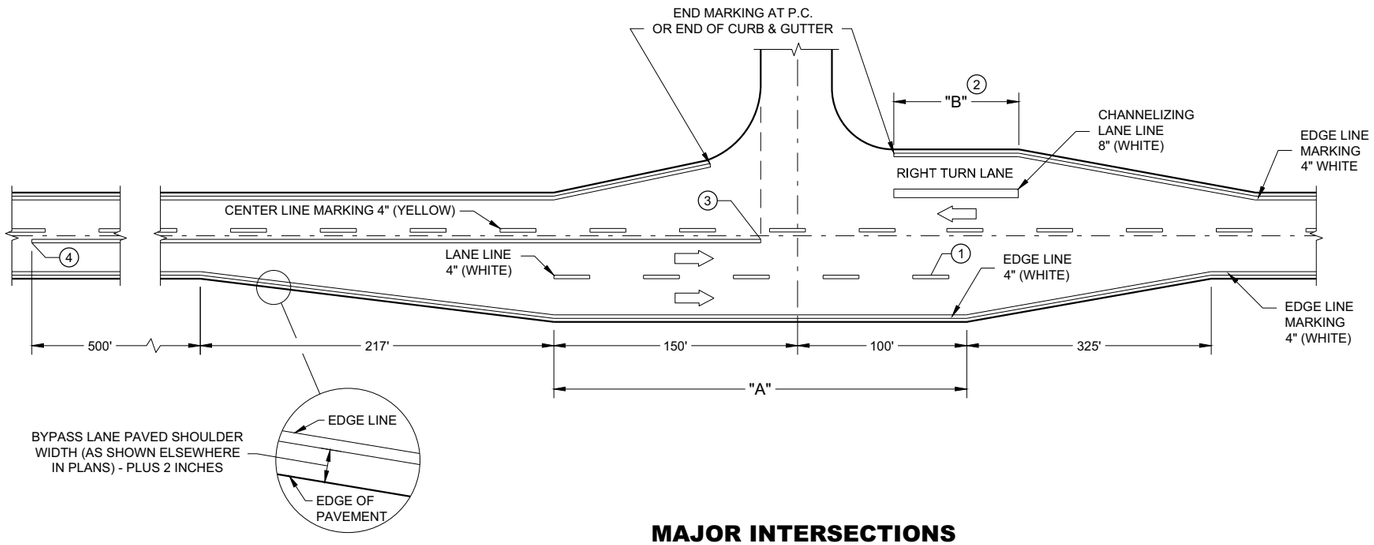
DIRECTION OF TRAVEL



MINOR INTERSECTION



INTERSECTION ON OUTSIDE OF CURVE



MAJOR INTERSECTIONS

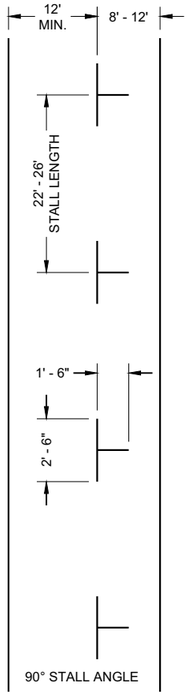
(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

PAVEMENT MARKING (INTERSECTIONS)

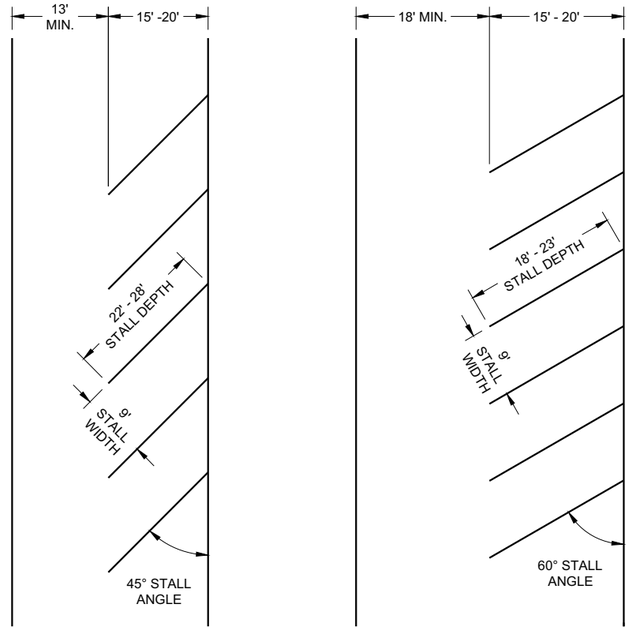
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15C35 - 04a

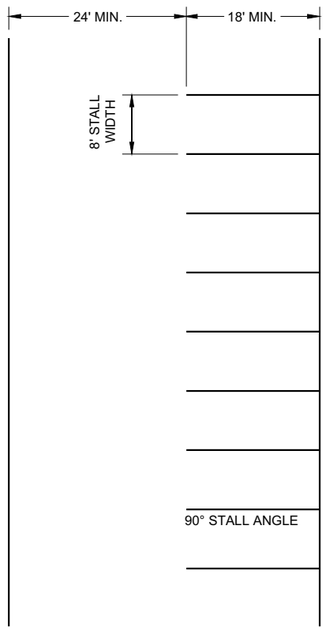


PARALLEL PARKING



ANGLED PARKING

(ANGLED PARKING IS NOT ALLOWED ON STATE HIGHWAYS UNLESS A DESIGN JUSTIFICATION HAS BEEN COMPLETED.)



PARKING LOTS

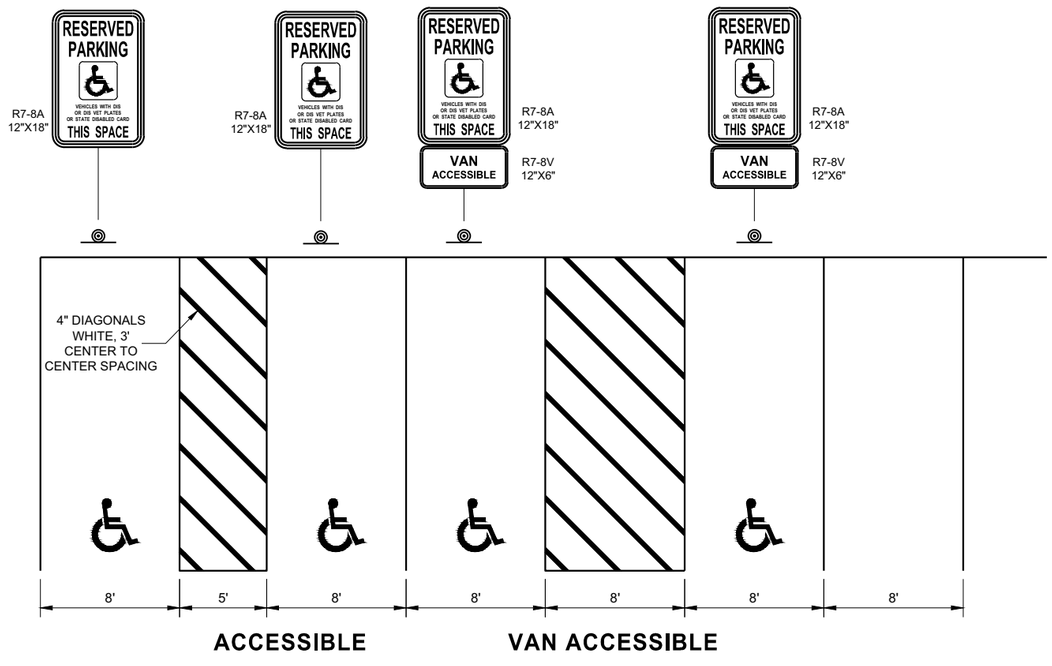
GENERAL NOTES

ALL LINES 4" WHITE (UNLESS OTHERWISE NOTED)

LAST PARKING STALL IS A MINIMUM OF 15' FROM THE CROSSWALK.

LEGEND

SIGN ON PERMANENT SUPPORT



PARKING STALL MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MAF ENGINEER

FHWA

6

SDD 15C36 - 01

6

SDD 15C36 - 01

LEGEND

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL DRUM

DIRECTION OF TRAFFIC

WORK ZONE

GENERAL NOTES

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

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

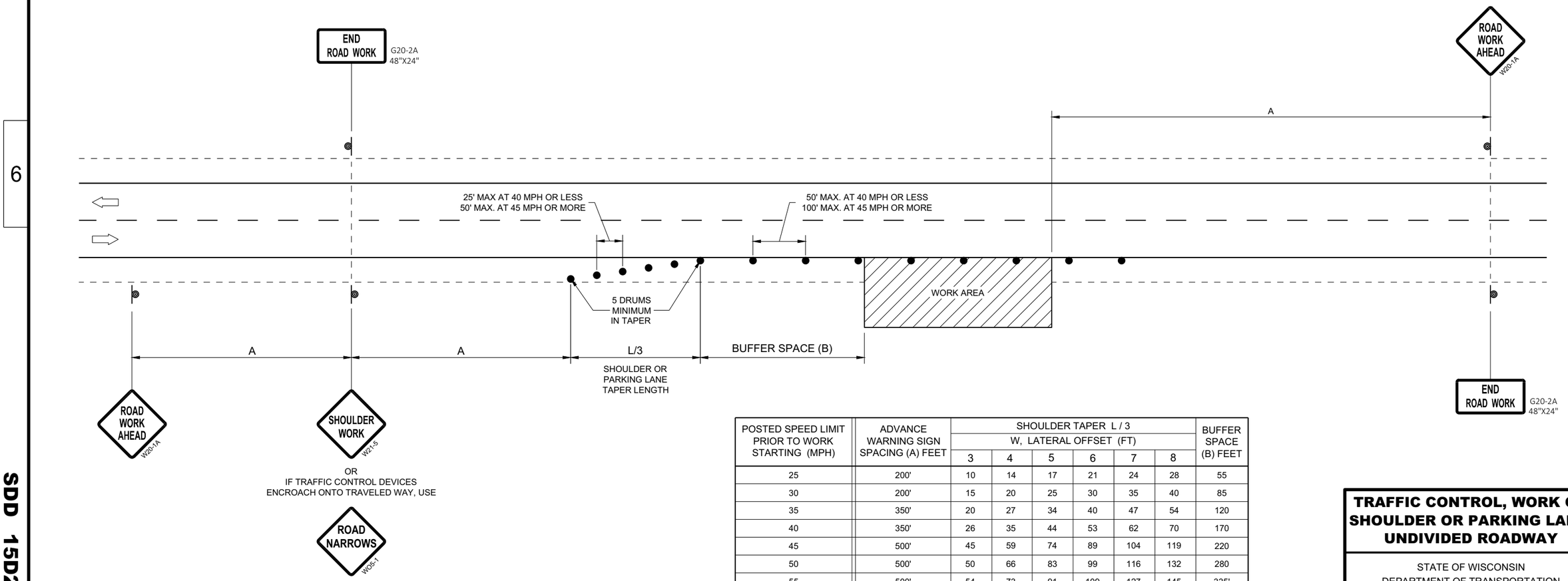
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

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

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

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



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

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020
DATE

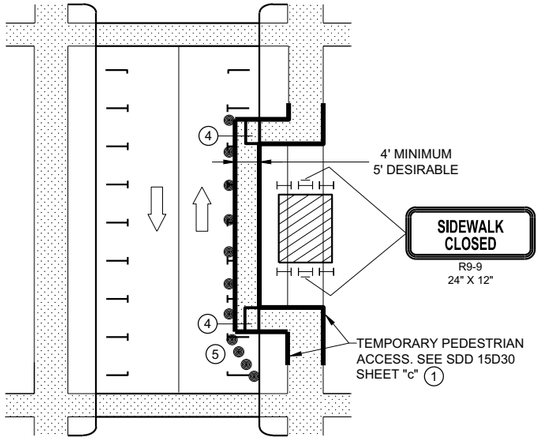
/S/ Andrew Heidtke
STATEWIDE WORK ZONE T SAFETY ENGINEER

FHWA

6

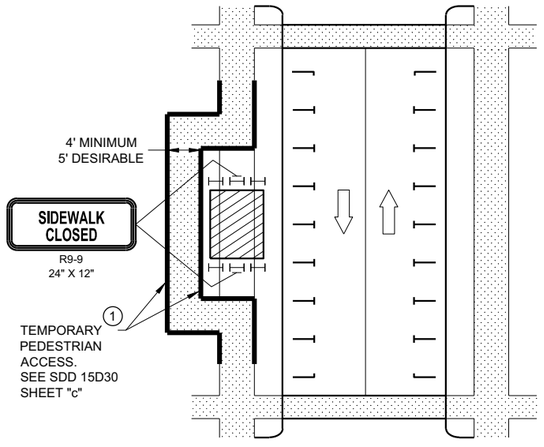
SDD 15D28 - 04

NOTE: MAY BE USED ON ROADWAY WITH POSTED SPEED OF LESS THAN 40 MPH.

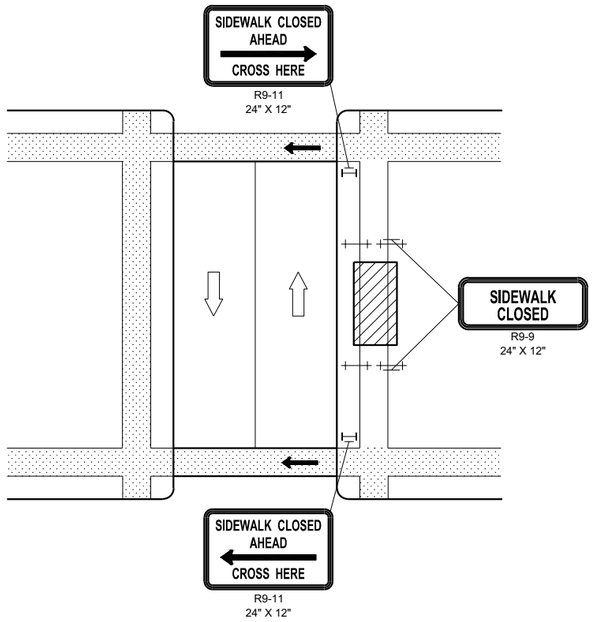


MID-BLOCK SIDEWALK CLOSURE IN PARKING LANE

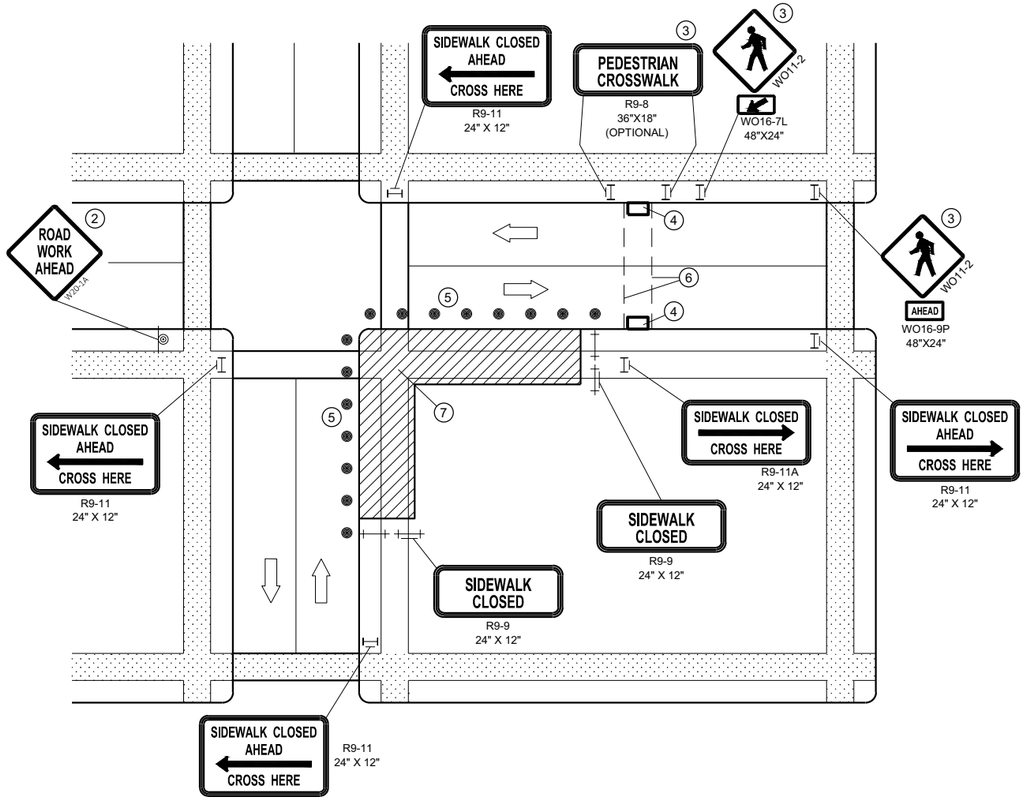
NOTE: LAYOUT SAME AS ABOVE.



SIDEWALK DIVERSION



MID-BLOCK SIDEWALK CLOSURE



CORNER SIDEWALK CLOSURE WITH TEMPORARY CROSSWALK

GENERAL NOTES

WHEN CLOSING OR RELOCATING CROSSWALKS OR SIDEWALKS, PROVIDE DETECABLE TEMPORARY FACILITIES AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH EXISTING PEDESTRIAN FACILITIES.

TEMPORARY TRAFFIC CONTROL DEVICES FOR PEDESTRIANS ARE SHOWN. OTHER DEVICES MAY BE NECESSARY TO CONTROL VEHICULAR TRAFFIC. STAGE WORK AS NECESSARY, TO PROVIDE A TEMPORARY PEDESTRIAN ACCESS ROUTE AT ALL TIMES. FOR ROADWAYS WITH NO AVAILABLE DETOURS, MAINTAIN ONE OPEN SIDEWALK AT ALL TIMES.

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

FOR NIGHTIME CLOSURE, USE TYPE "A" FLASHING WARNING LIGHTS ON BARRICADES, SUPPORTING SIGNS AND CLOSING SIDEWALK. USE TYPE "C" STEADY BURN LIGHTS ON CHANNELIZING DEVICES SEPARATING THE WORK AREA FROM VEHICULAR TRAFFIC.

PEDESTRIAN TRAFFIC SIGNAL DISPLAY CONTROLLING CLOSED CROSSWALK SHALL BE COVERED OR DEACTIVATED.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7 FOOT MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

ALTERNATE SIDEWALK WORK BETWEEK LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

1. IF SIDEWALK CLOSURE AFFECTS AN ACCESSIBLE AND DETECTABLE FACILITY, MAINTAIN ACCESSIBILITY AND DETECTABILITY ALONG THE ALTERNATE PEDESTRIAN ROUTE
2. "ROAD WORK AHEAD" SIGNS ARE NOT REQUIRED IF THE SIDEWALK CLOSURE OCCURS WITHIN A LARGER WORK ZONE WHERE ADVANCE WARNING SIGNS ARE ALREADY PRESENT, OR IF THE WORK AREA AND EQUIPMENT ARE MORE THAN 2 FEET BEHIND THE CURB.
3. IF TEMPORARY PEDESTRIAN CROSSWALK IS NOT PROVIDED, OMIT R9-8 AND WO11-2 SIGN ASSEMBLIES. IF PROVIDED INCLUDE ON BOTH SIDES OF THE CROSSWALK.
4. TEMPORARY CURB RAMPS. SEE SDD 15D30 SHEET "b'.
5. DRUMS OR BARRICADES AT 25 FOOT SPACING. STREET PARKING SHALL BE PROHIBITED FOR AT LEAST 50 FEET IN ADVANCE OF THE MID-BLOCK CROSSWALK.
6. TEMPORARY PAVEMENT MARKING FOR CROSSWALK LINES.
7. LIMIT WORK TO ONE QUADRANT AT A TIME TO MINIMIZE PEDESTRIAN DISRUPTION.

LEGEND

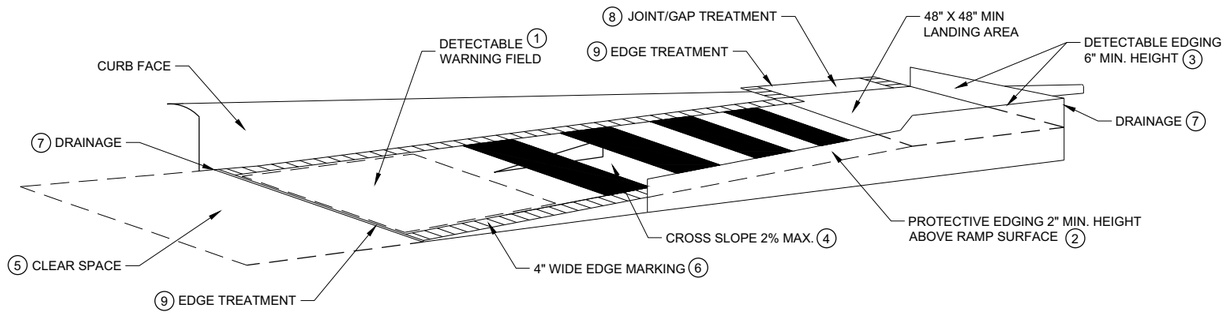
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW INTENSITY FLASHING)
- TYPE III BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW INTENSITY FLASHING)
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- PEDESTRIAN CHANNELIZATION DEVICE
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

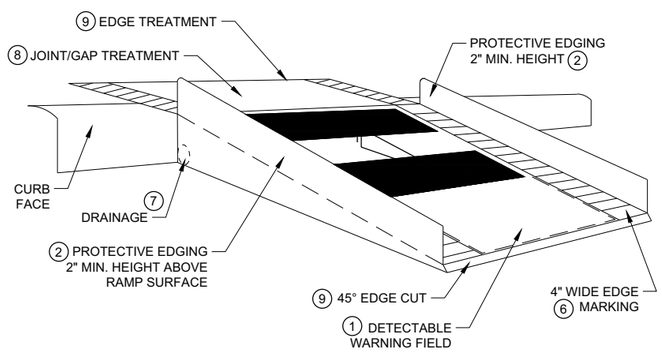
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

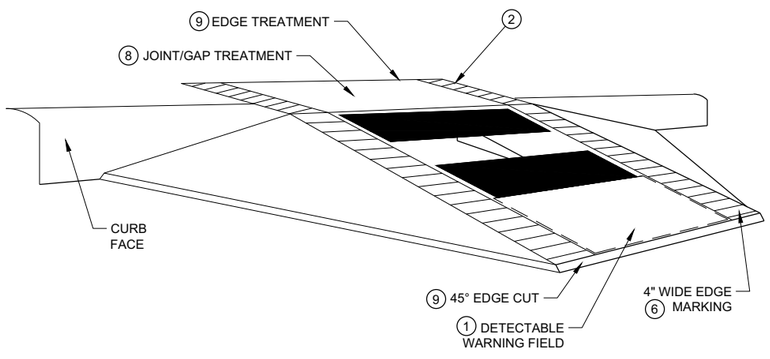
SDD15D30 - 06a



TEMPORARY CURB RAMP PARALLEL TO CURB



WITH PROTECTIVE EDGE



WITH SIDE APRON

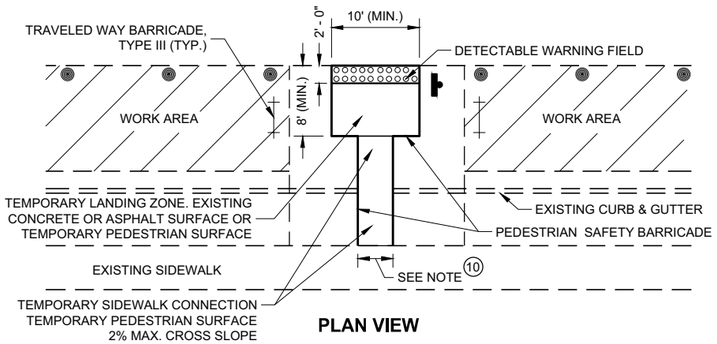
TEMPORARY CURB RAMP PERPENDICULAR TO CURB

GENERAL NOTES

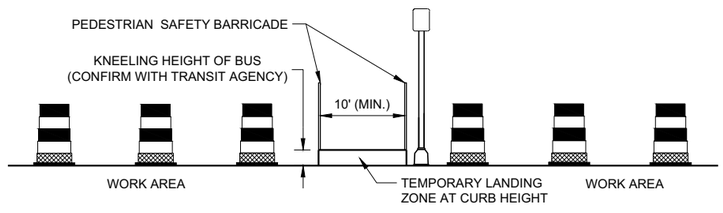
NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

1. CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A A FIRM, STABLE AND SLIP RESISTANT SURFACE. INSTALL CONTRASTING DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS. REFER TO SDD 08D05, SHEET "e".
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. CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.
5. CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.
6. THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A YELLOW COLOR, 4" WIDE MARKING, UNLESS A CONTRASTING DETECTABLE WARNING FIELD IS PROVIDED.
7. DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.
8. LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.
9. CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES SHALL BE VERTICAL UP TO ¼" HIGH AND BEVELED AT 1:2 BETWEEN ¼" AND ½".
10. 5" WIDE MIN. WITH PEDESTRIAN SAFETY BARRICADE, 10' WIDE MIN. WITHOUT PEDESTRIAN SAFETY BARRICADE.



PLAN VIEW



PROFILE VIEW

TEMPORARY BUS STOP PAD

LEGEND

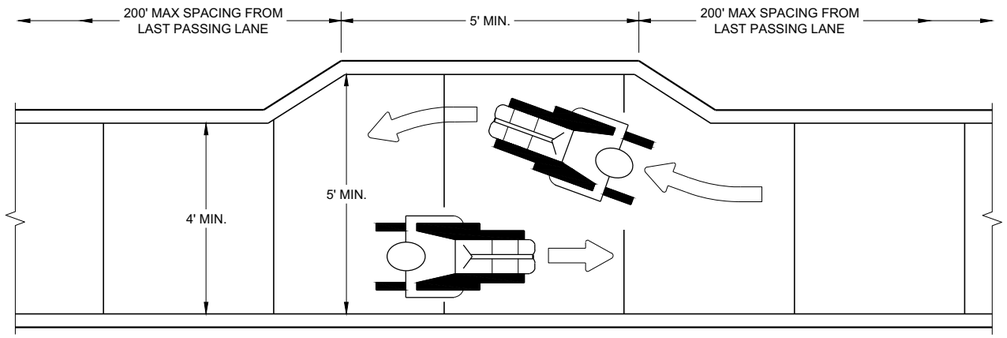
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- WORK AREA

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

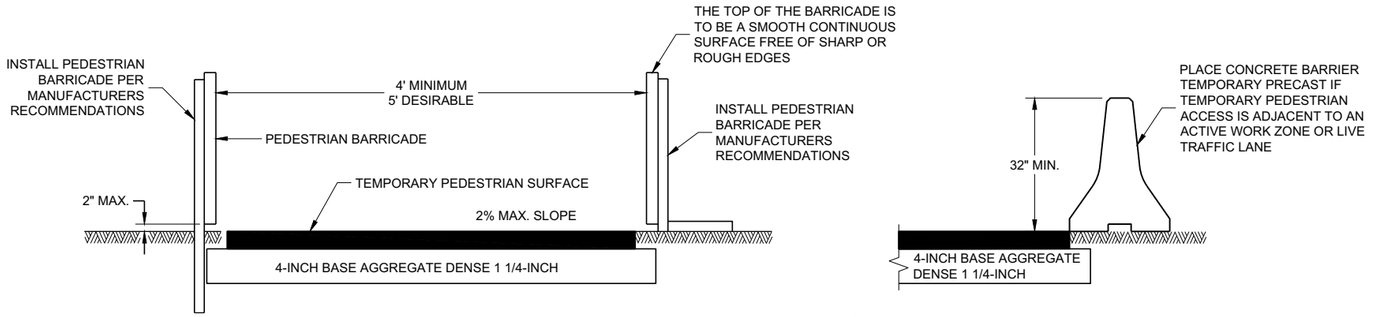
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

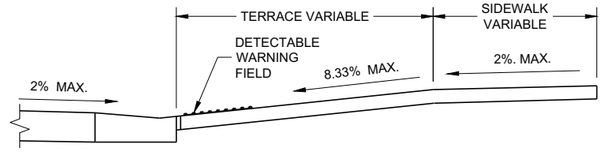
SDD 15D30 - 06b



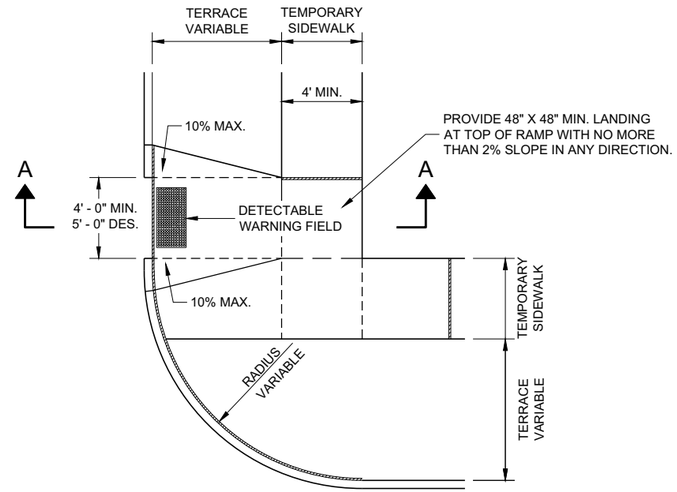
NARROW SIDEWALK PASSING DETAIL



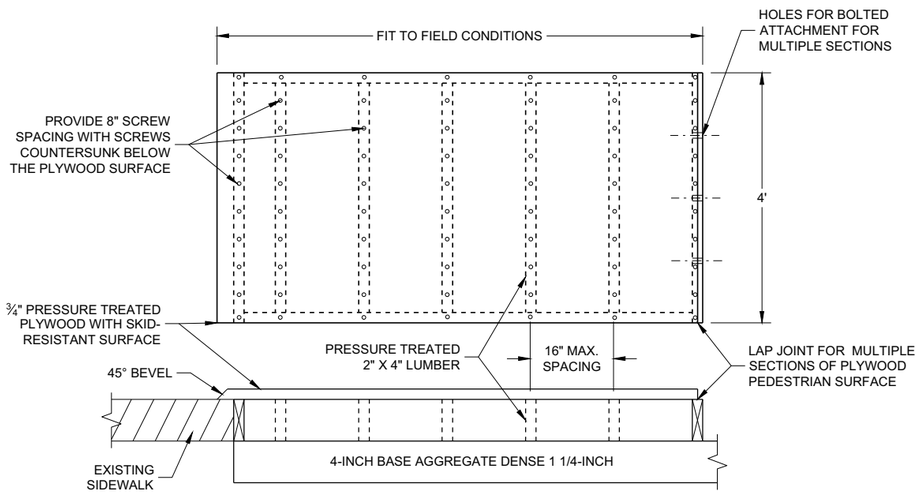
TEMPORARY PEDESTRIAN ACCESS



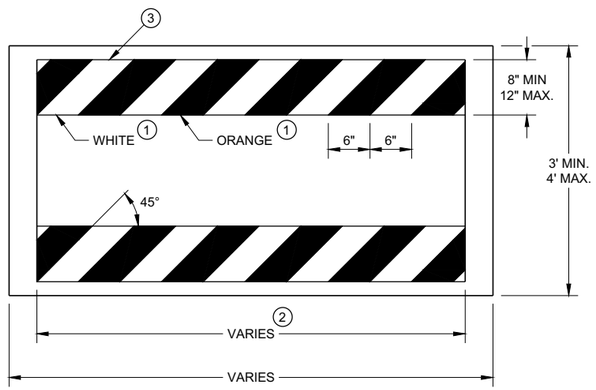
SECTION A - A



PLAN VIEW
TEMPORARY TYPE 3 RAMP
(OUTSIDE OF CROSSWALK AREA)



TEMPORARY PEDESTRIAN SURFACE PLYWOOD



TEMPORARY PEDESTRIAN BARRICADE *

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.

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

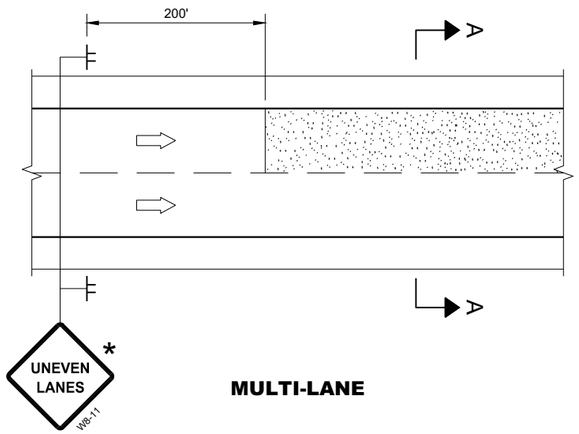
/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

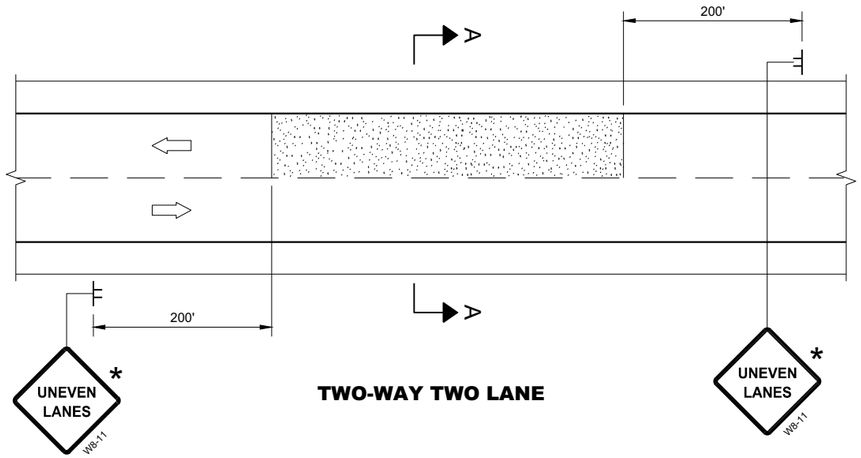
SDD 15D30 - 06c

6

SDD 15D30 - 06c



MULTI-LANE



TWO-WAY TWO LANE

GENERAL NOTES

FOR SPOT LOCATIONS USE ENGINEERING JUDGEMENT WHEN PLACING ADDITIONAL SIGNS.

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

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

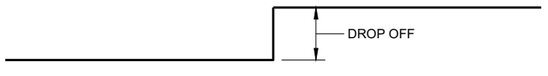
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

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

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

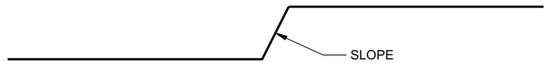
LEGEND

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

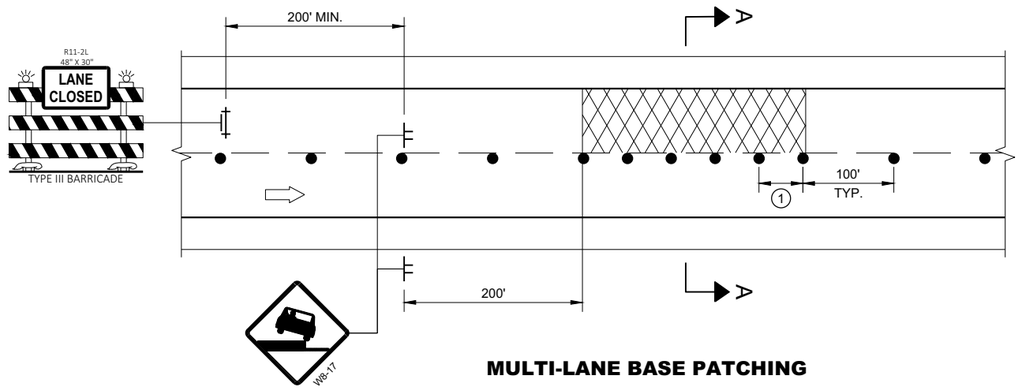


SECTION A - A

OR

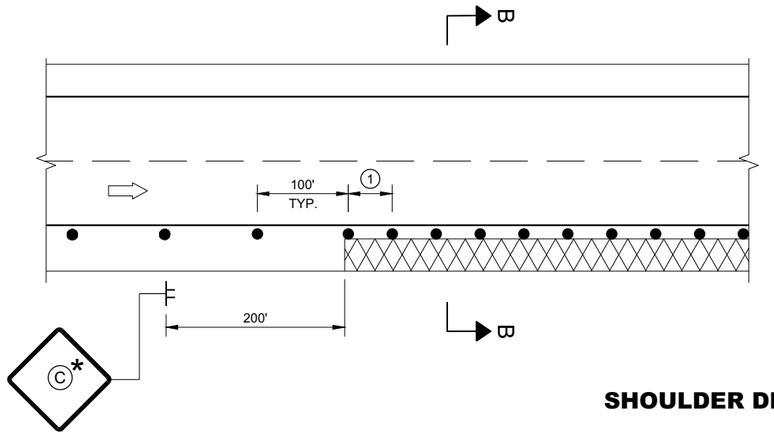


SECTION A - A

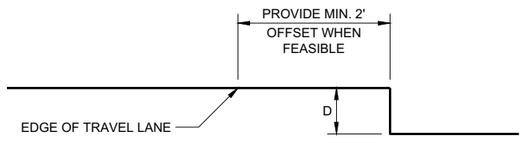


MULTI-LANE BASE PATCHING

ADJACENT LANE DROP-OFFS



SHOULDER DROP-OFFS



SECTION B - B

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

TRAFFIC CONTROL, DROP-OFF SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15D39 - 02

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
- REMOVE PAVEMENT MARKING

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 LEFT - REVERSE FOR SHIFTING RIGHT.

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 IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE DAYS AND NIGHTS.

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

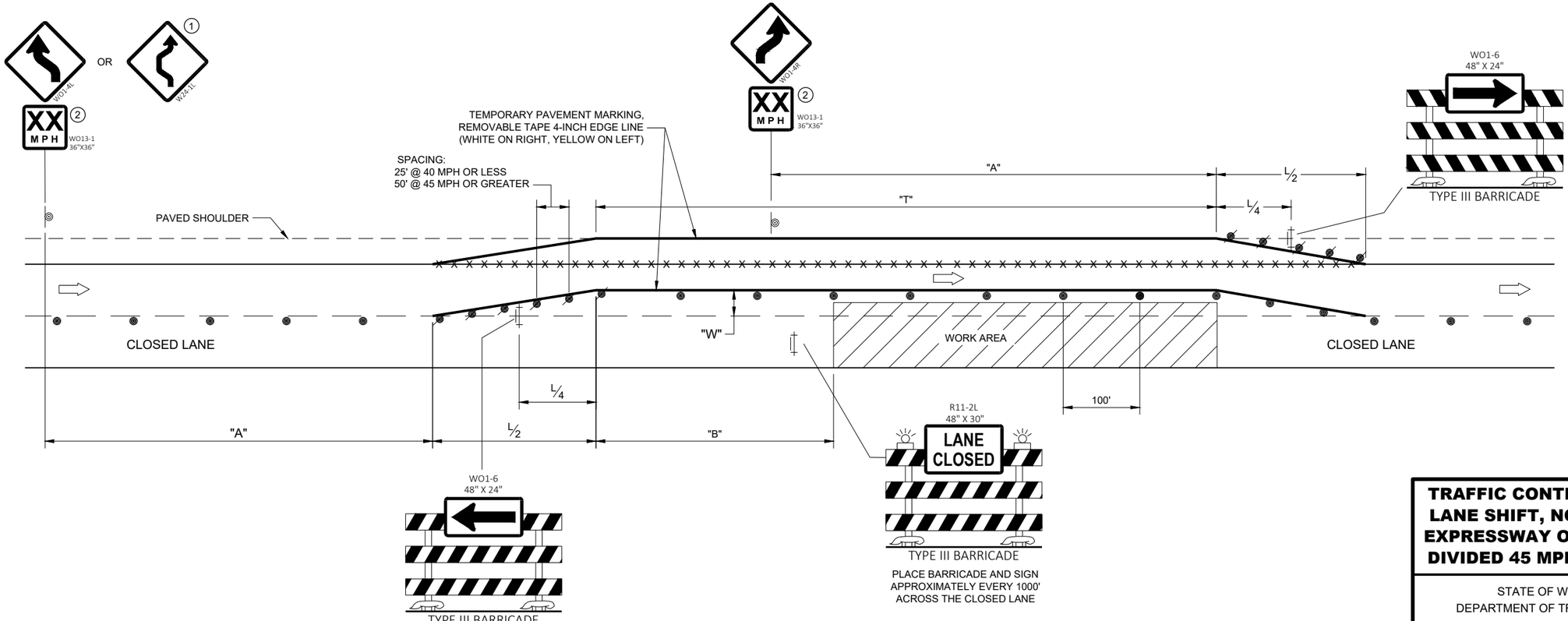
IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

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 WHEN T<600', OMIT WO1-4R.

(2) IF NEEDED, USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.

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
		1	2	3	4	5	6	7	8	9	
25	200	5	10	16	21	26	31	36	42	47	55
30	200	8	15	23	30	38	45	53	60	68	85
35	350	10	20	31	41	51	61	71	82	92	120
40	350	13	27	40	53	67	80	93	107	120	170
45	500	23	45	68	90	113	135	158	180	203	220



TRAFFIC CONTROL, PARTIAL LANE SHIFT, NON-FREEWAY/ EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021
DATE

/S/ Andrew Heidtke
ROADWAY STANDARDS DEVE ENGINEER

FHWA

6

SDD 15D40 - 02c

GENERAL NOTES

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

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

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

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

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

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

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

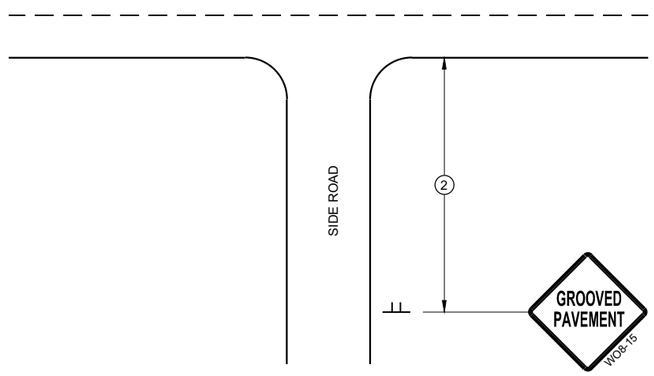
(1) PLACE SIGNS 350' IN ADVANCE OF MILLED SURFACES AND AT 1 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.

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

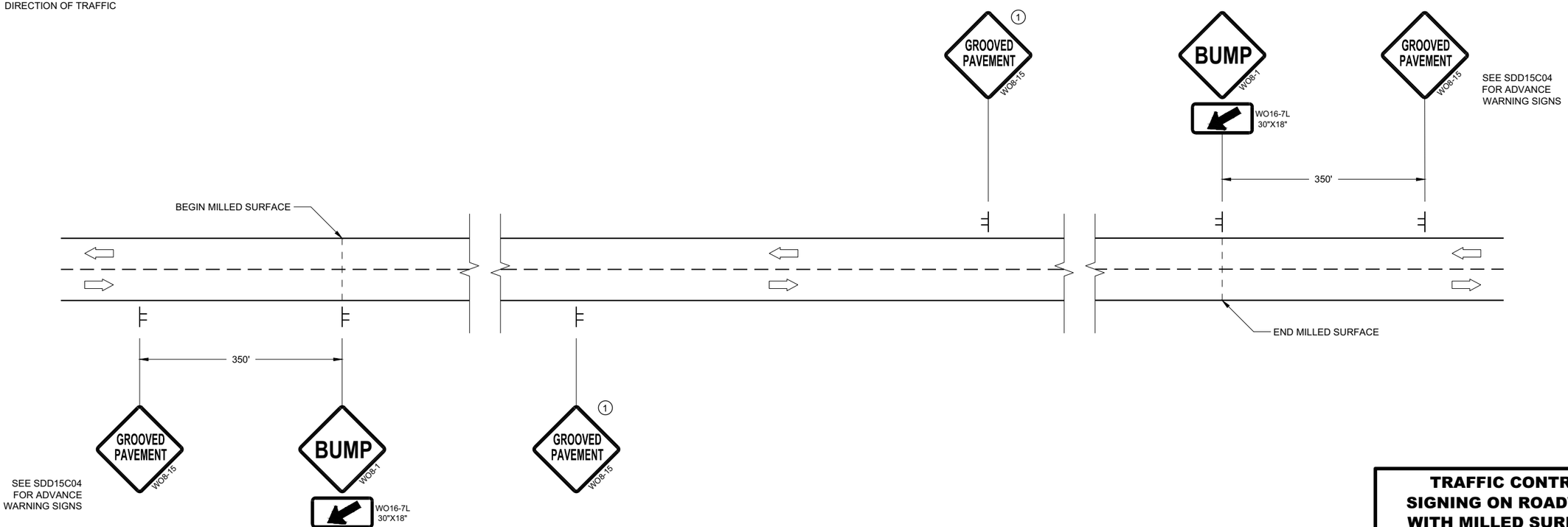
LEGEND

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC



TYPICAL SIDE ROAD APPROACH SIGN DETAIL



DETAIL FOR SIGNING ON MILLED SURFACES

TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

SDD 15D44 - 02

SDD 15D44 - 02

GENERAL NOTES

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

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

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

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

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

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

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

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

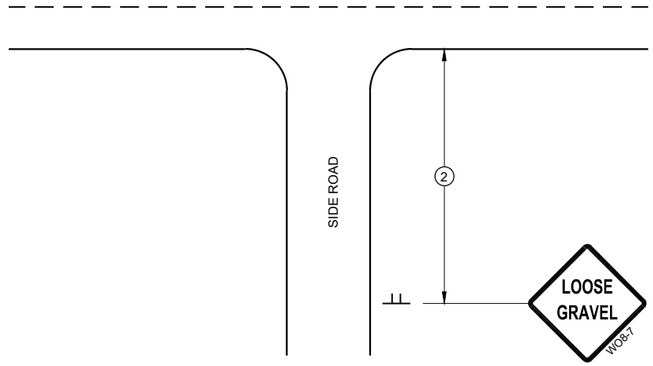
(2) PLACE SIGN 200' MIN. FROM INTERSECTION AND 200' MIN. AFTER ADVANCE WARNING SIGN SHOWN IN SDD 15C04.

(3) ADD WO8-1 OR WO8-2 SIGN WHEN THE CONDITION IS PRESENT.

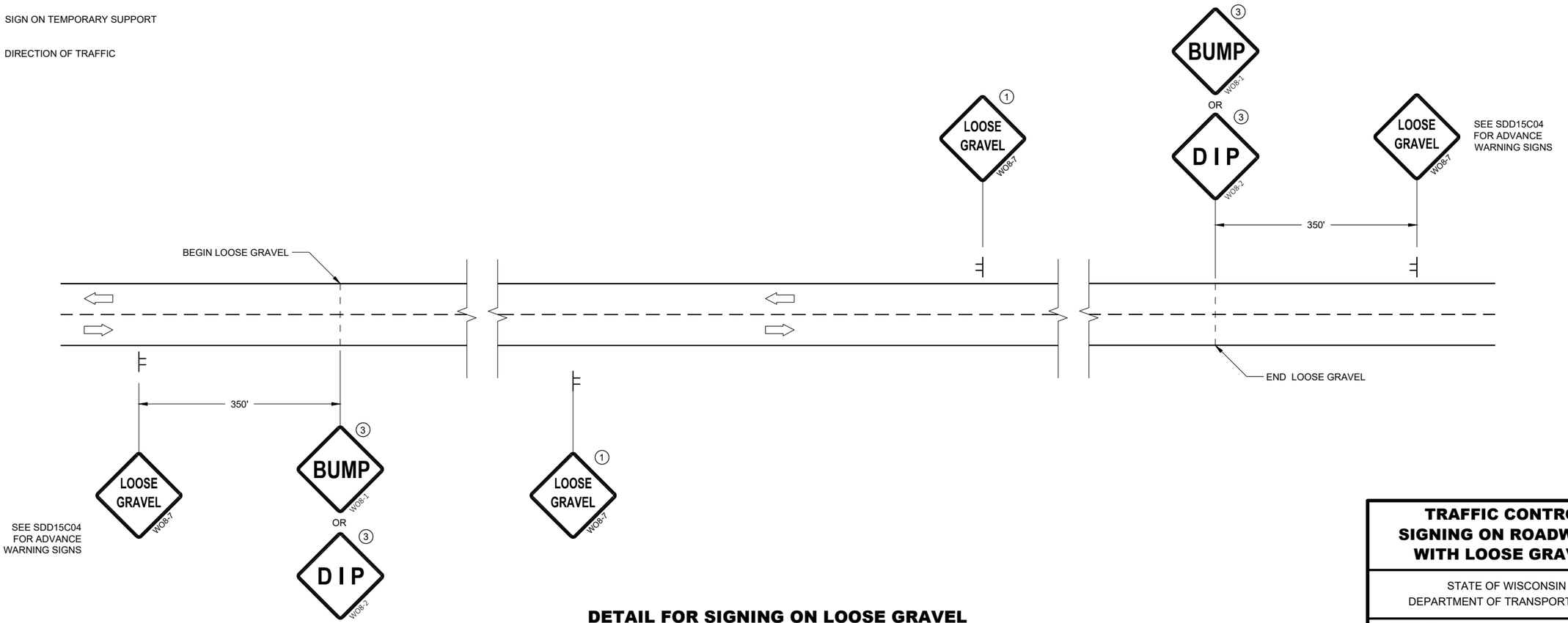
LEGEND

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC



TYPICAL SIDE ROAD APPROACH SIGN DETAIL



DETAIL FOR SIGNING ON LOOSE GRAVEL OR CHIP SEALED SURFACES

TRAFFIC CONTROL SIGNING ON ROADWAYS WITH LOOSE GRAVEL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15D45 - 03

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

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER (L/2) FEET
25	200	60
30	200	90
35	350	120
40	350	160
45	500	270
50	500	300
55	500	330

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.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"x36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

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

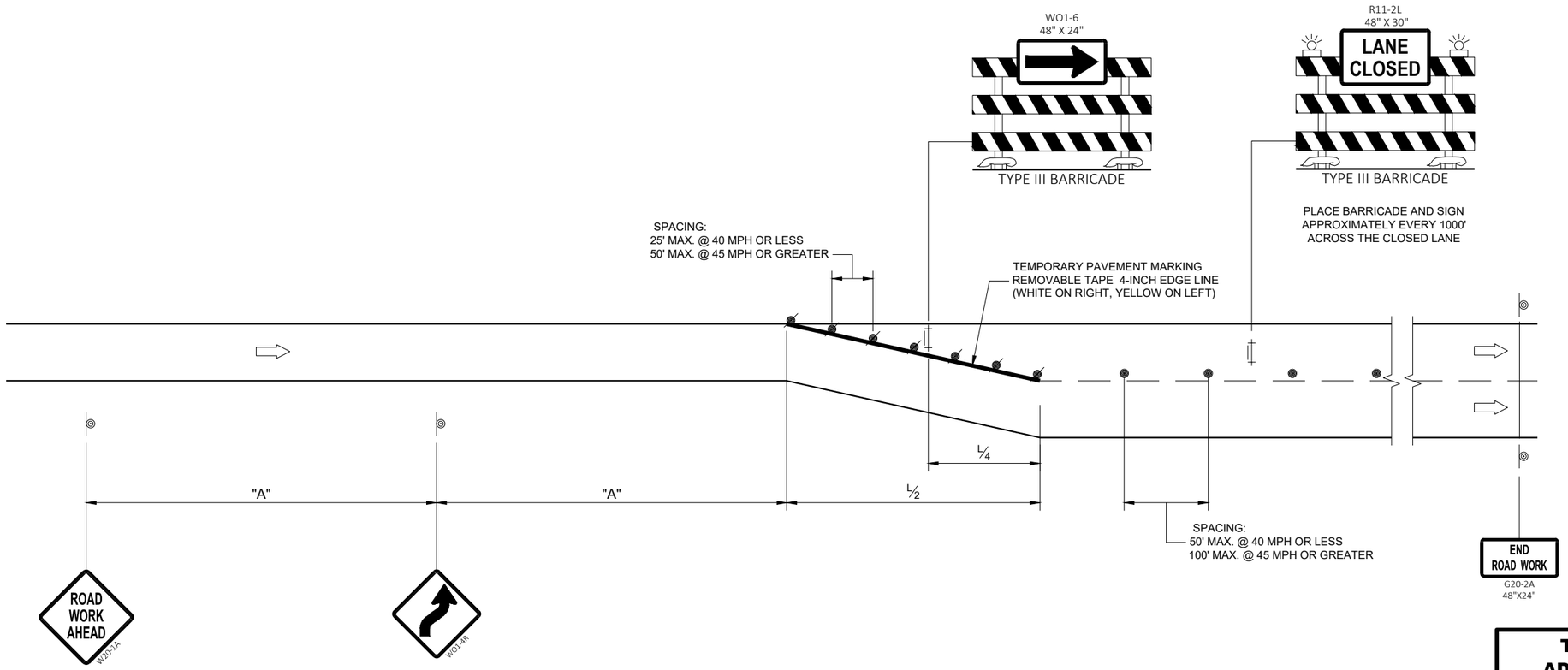
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

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

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

PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR FOUR CONTINUOUS DAYS AND NIGHTS.



ADDED LANE CLOSURE WITH LANE SHIFT

TRAFFIC CONTROL, ADDED LANE CLOSURE WITH LANE SHIFT

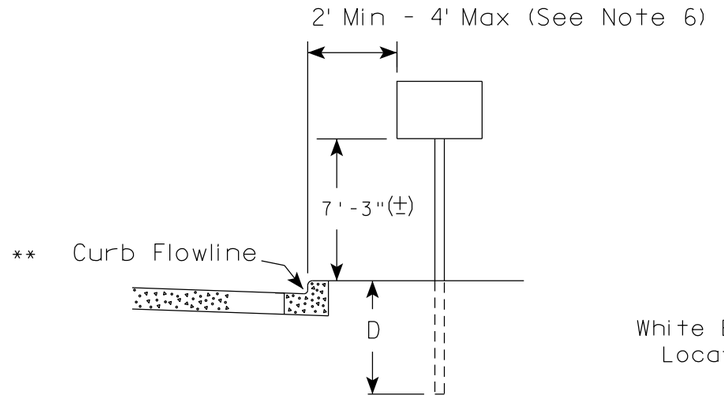
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

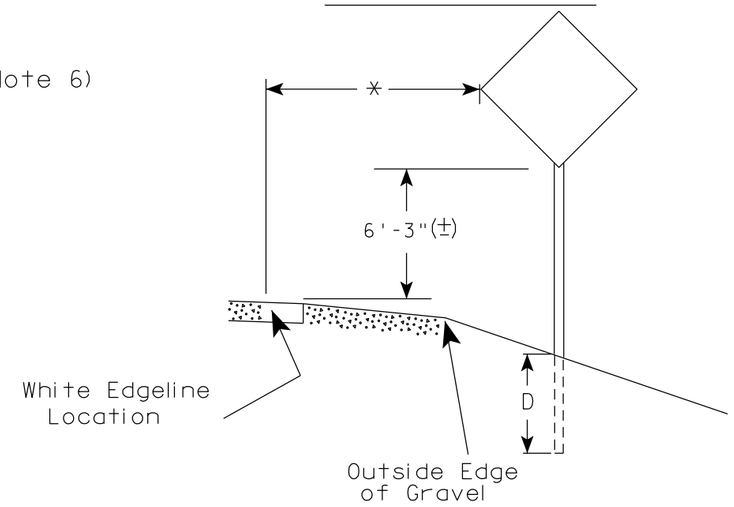
6

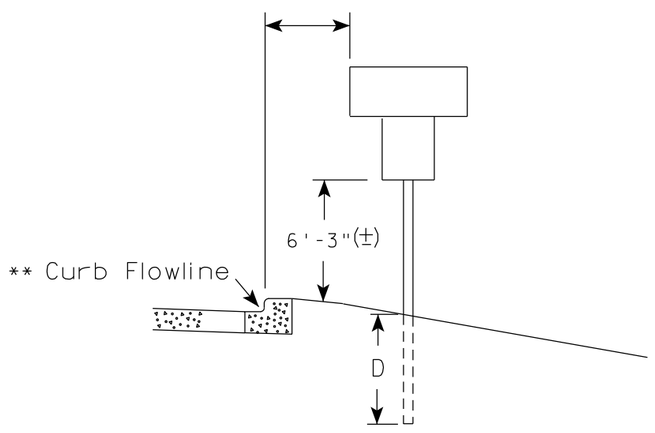
SDD 15D50 - 01b

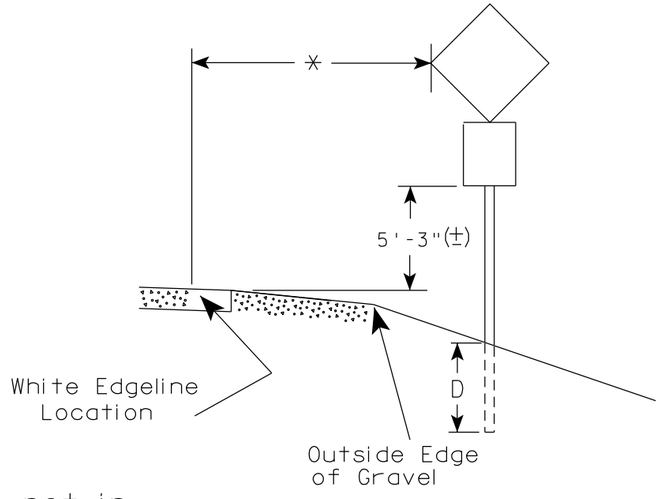
URBAN AREA



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.

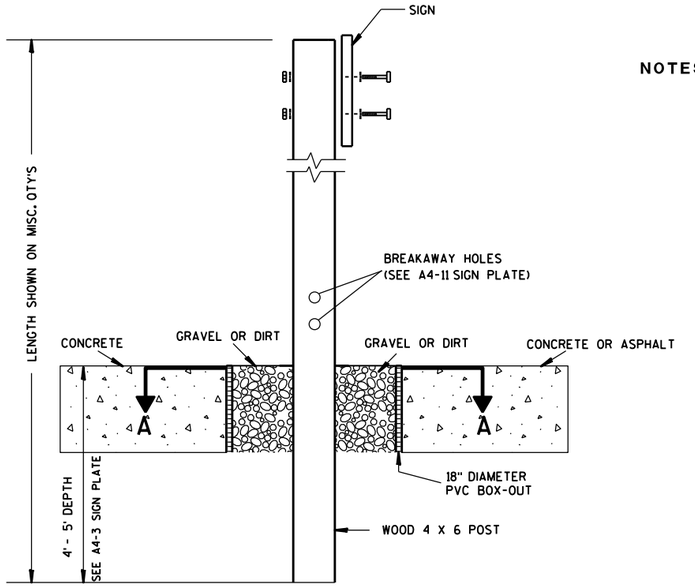
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

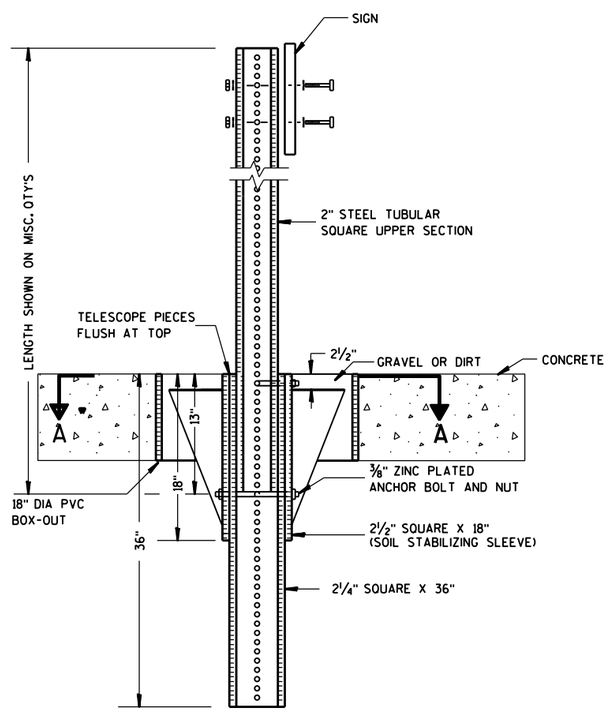
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 214	E



ELEVATION VIEW

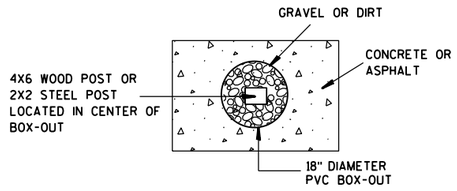
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

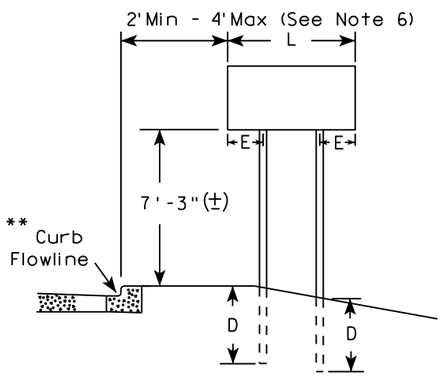
APPROVED Matthew R Rauch
for State Traffic Engineer

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

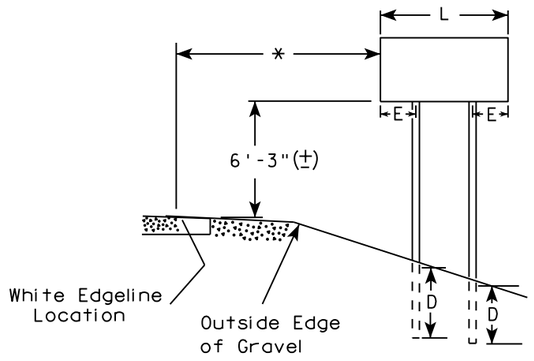
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

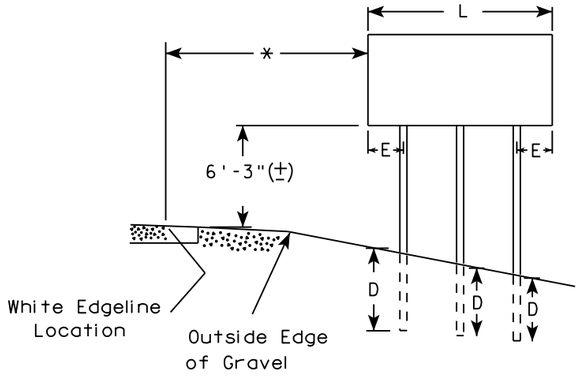
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

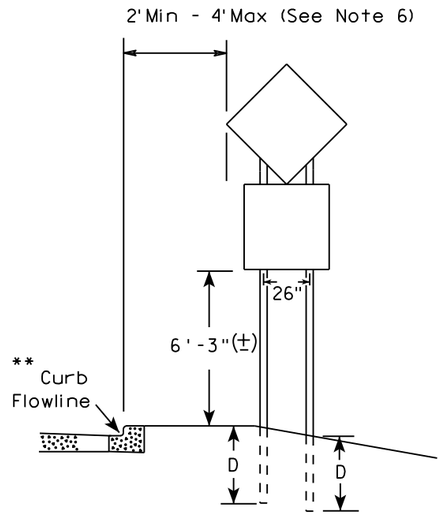
URBAN AREA



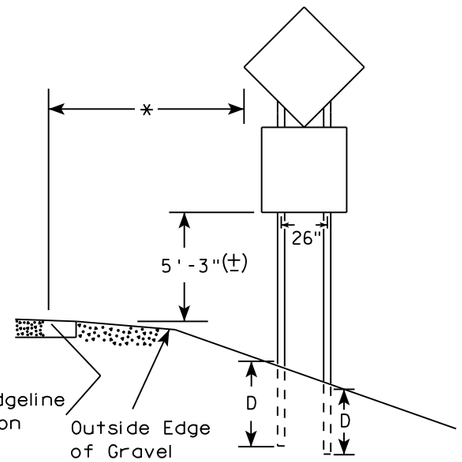
RURAL AREA (See Note 3)







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

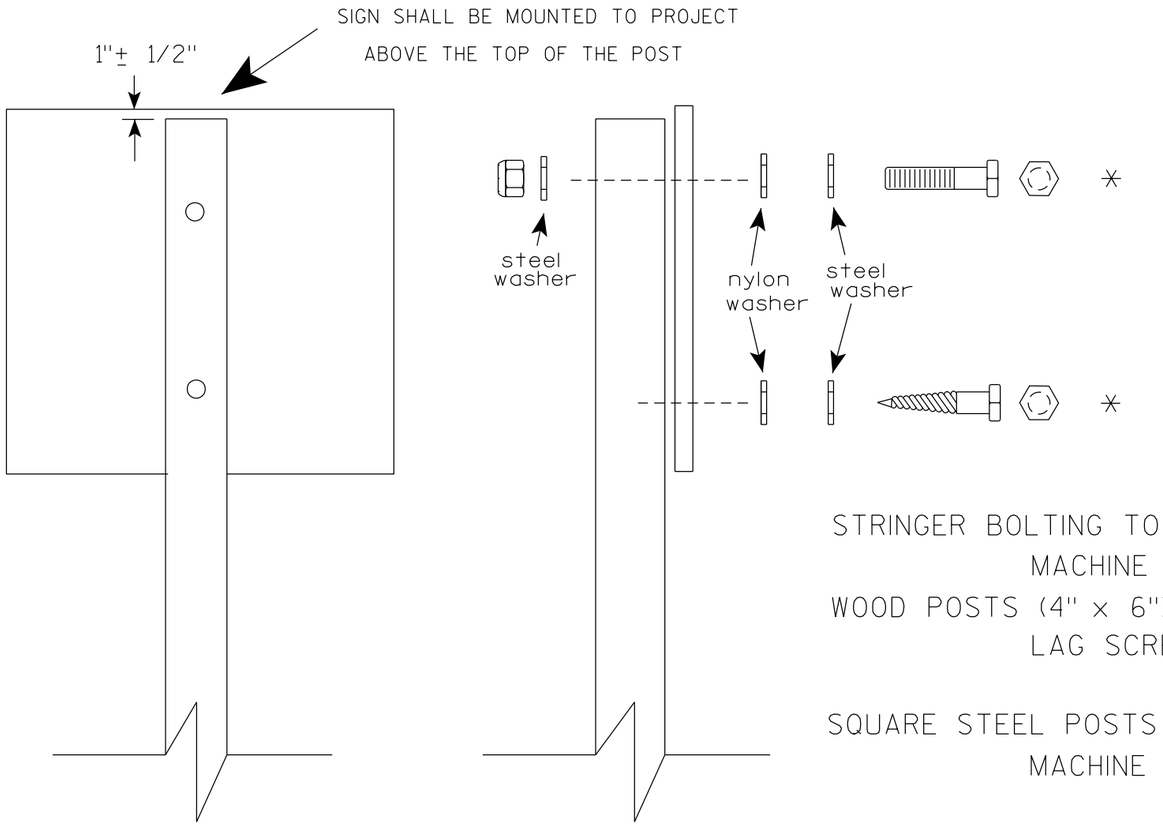
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

7

7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 216 | 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

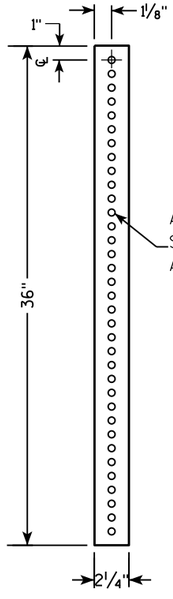
DATE 4/1/2020 PLATE NO. A4-8.9

PROJECT NO:

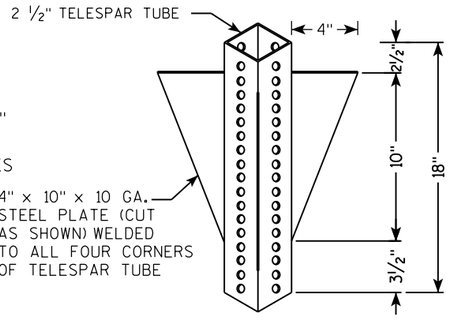
SHEET NO: 217 E

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

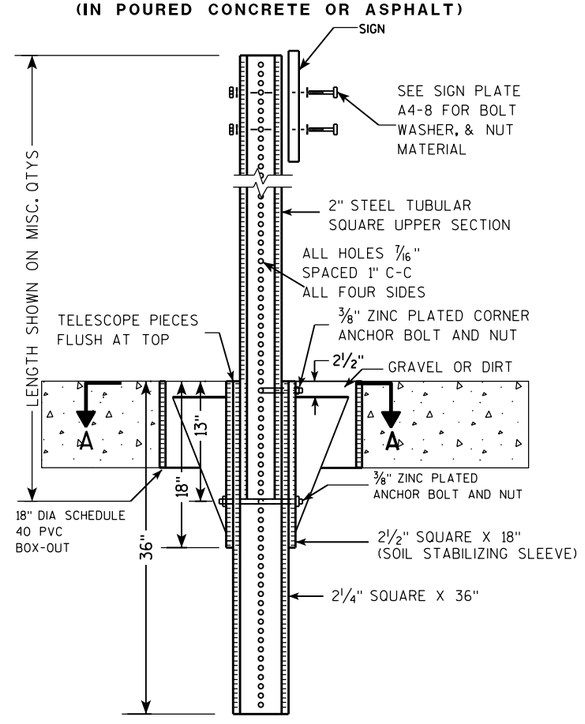
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



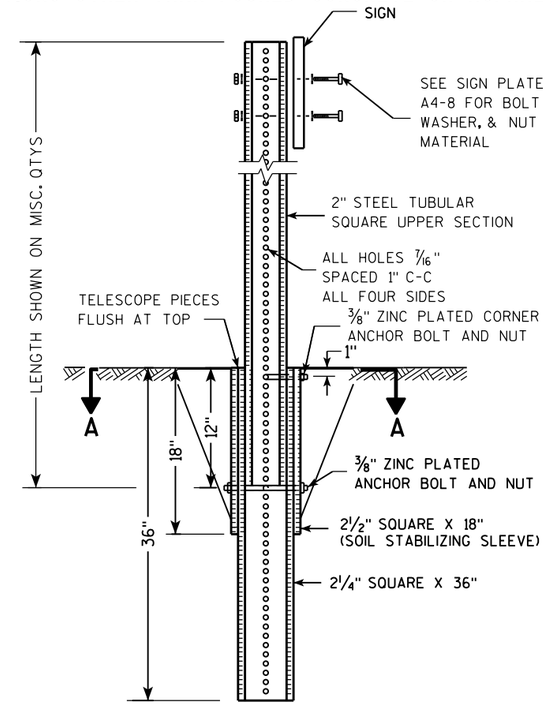
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

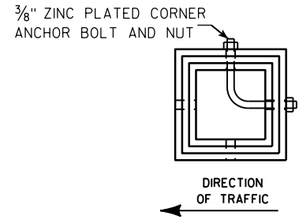


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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).

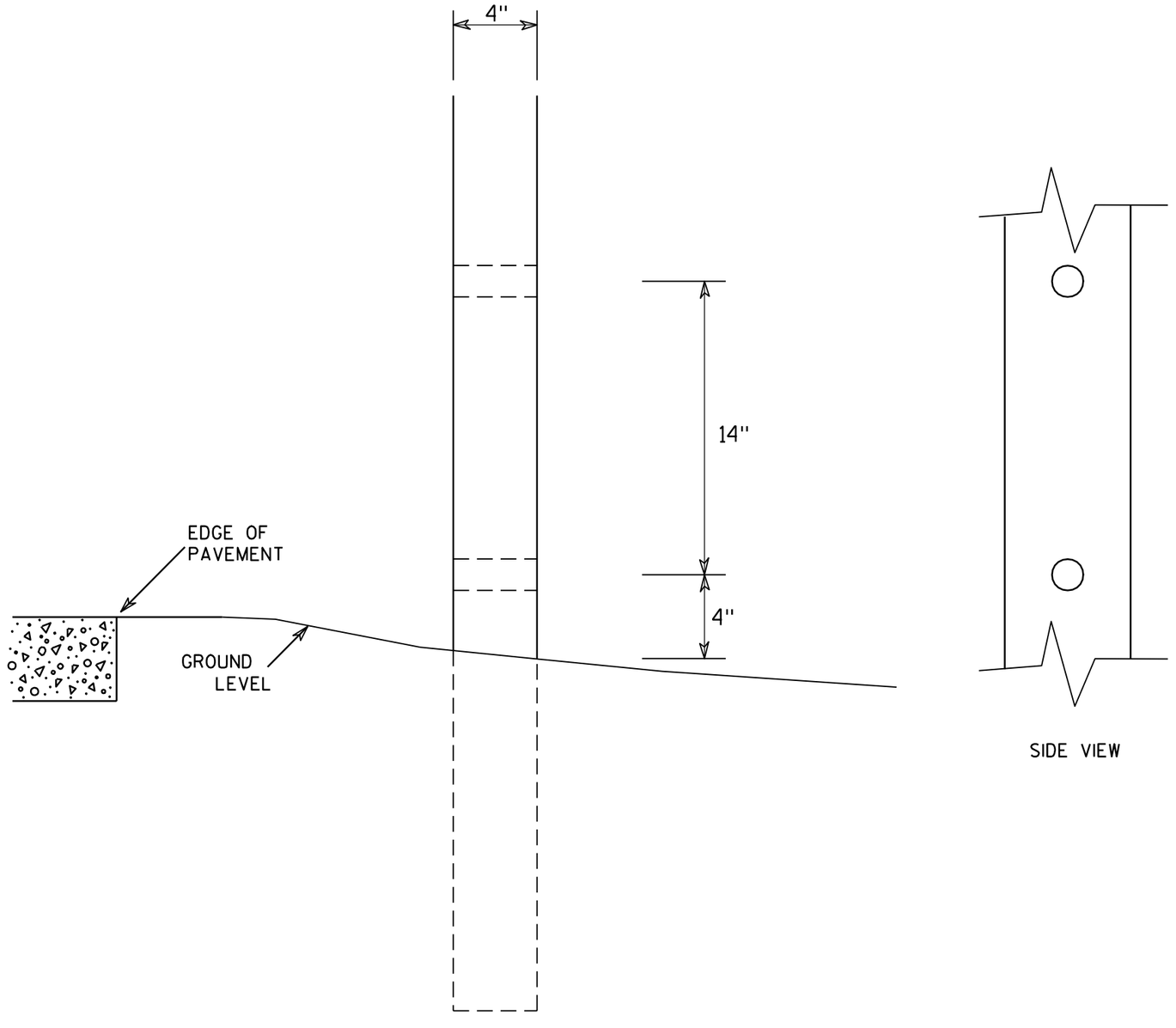
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 218 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

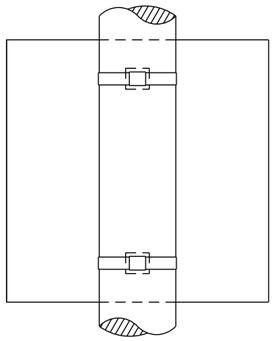
APPROVED Chester J Spang
for State Traffic Engineer

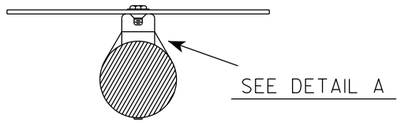
DATE 3/27/97 PLATE NO. A4-11.2

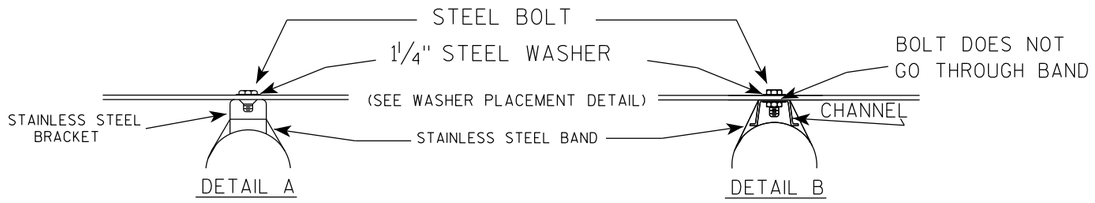
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 219	E

BANDING

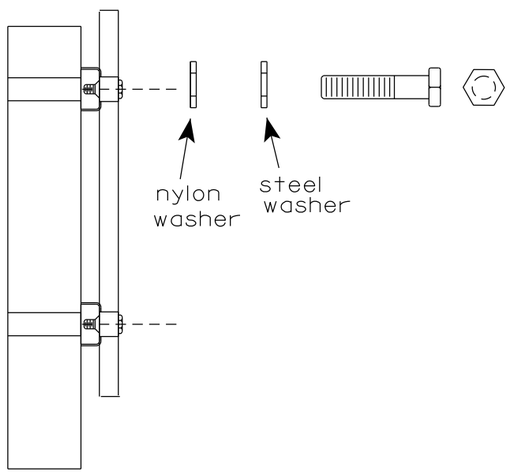
SINGLE SIGN







WASHER PLACEMENT

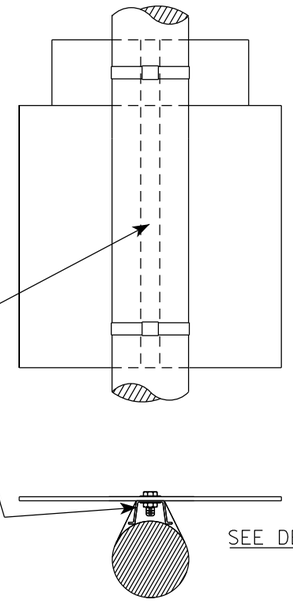


WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

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



STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

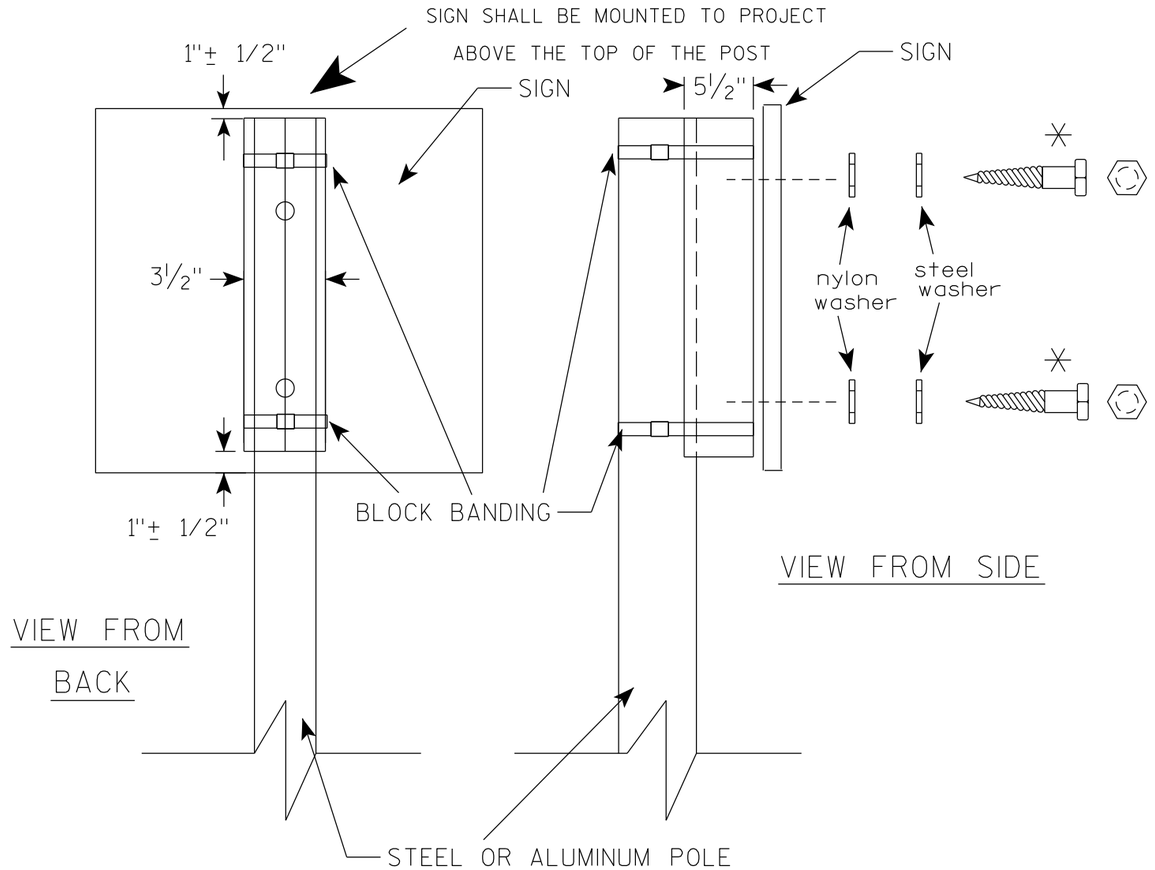
DATE 6/10/19 PLATE NO. A5-9.4

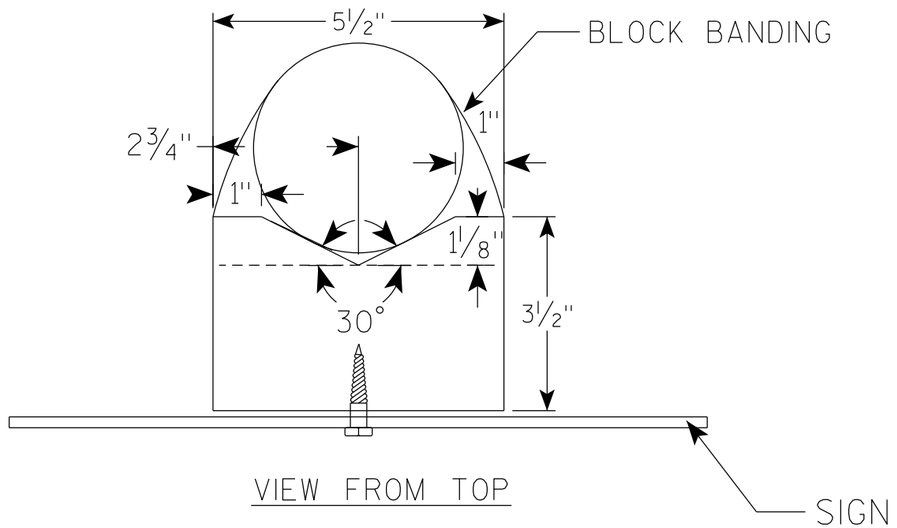
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 220	E

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

7

7





GENERAL NOTES

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

✳ LAG BOLTS SHALL BE ⅜" X 2½"

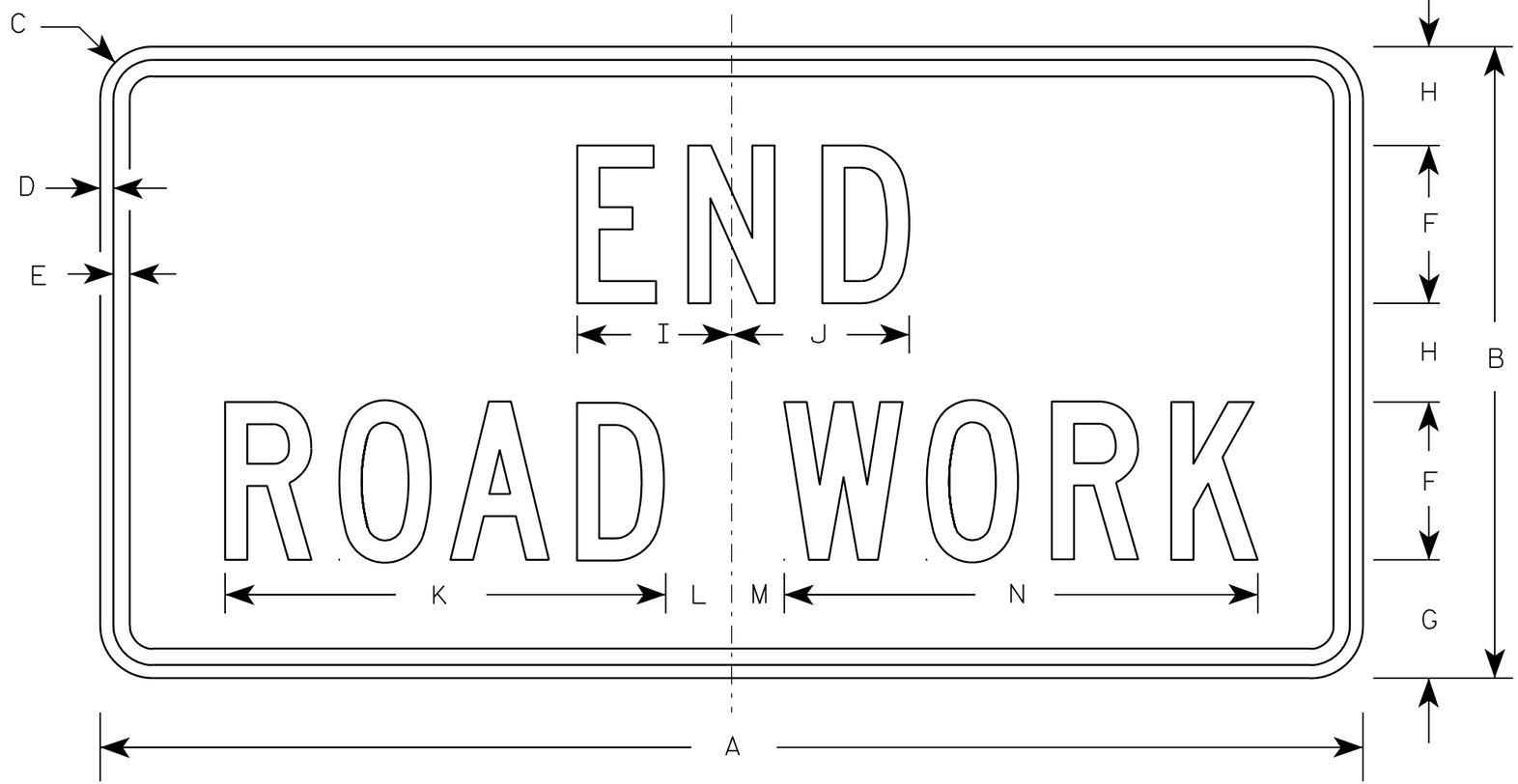
BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 6/10/19 PLATE NO. A5-10.2

PROJECT NO:				SHEET NO: 221	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

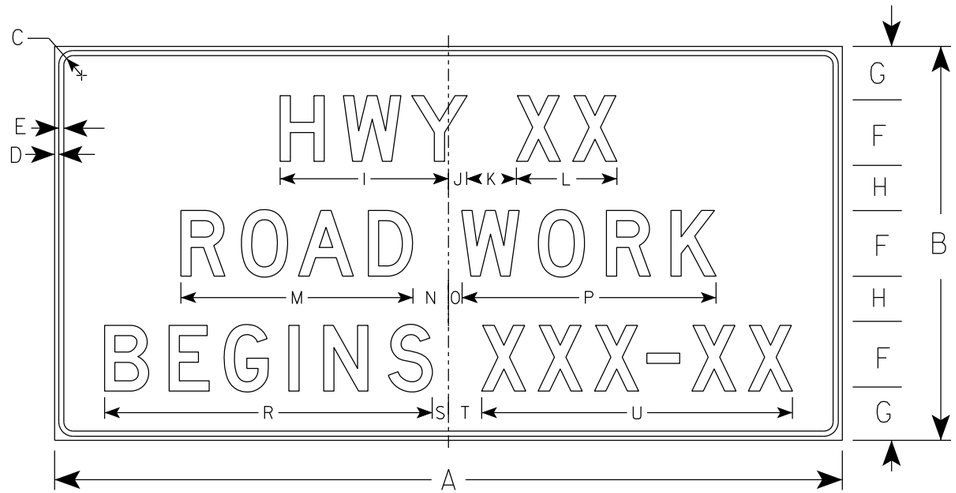
APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 222	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																											

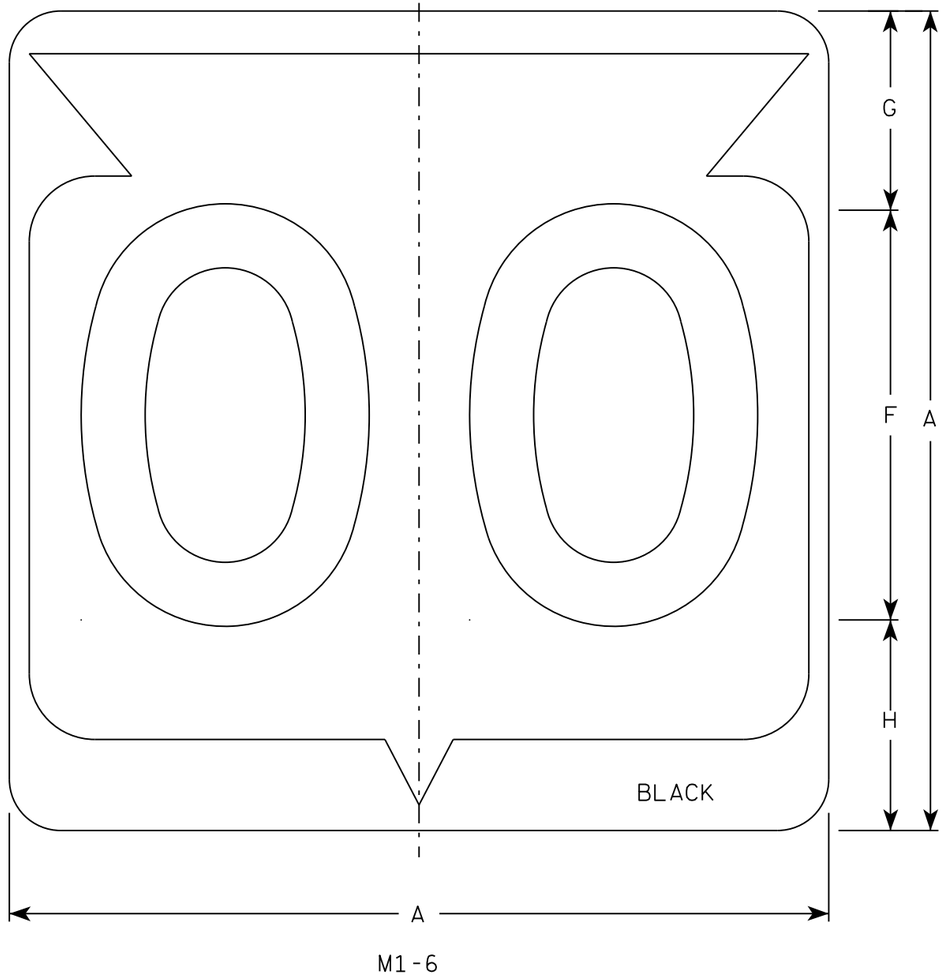
STANDARD SIGN
G20-57

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

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

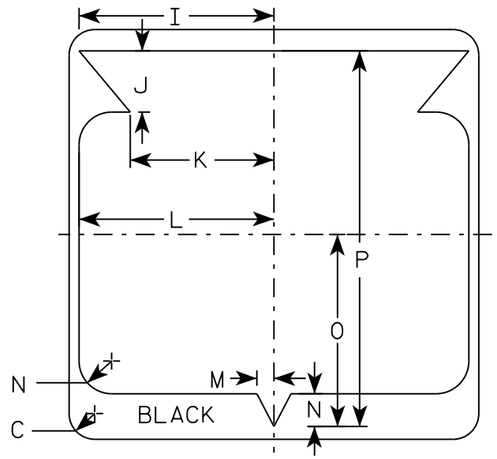
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 223 | E



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

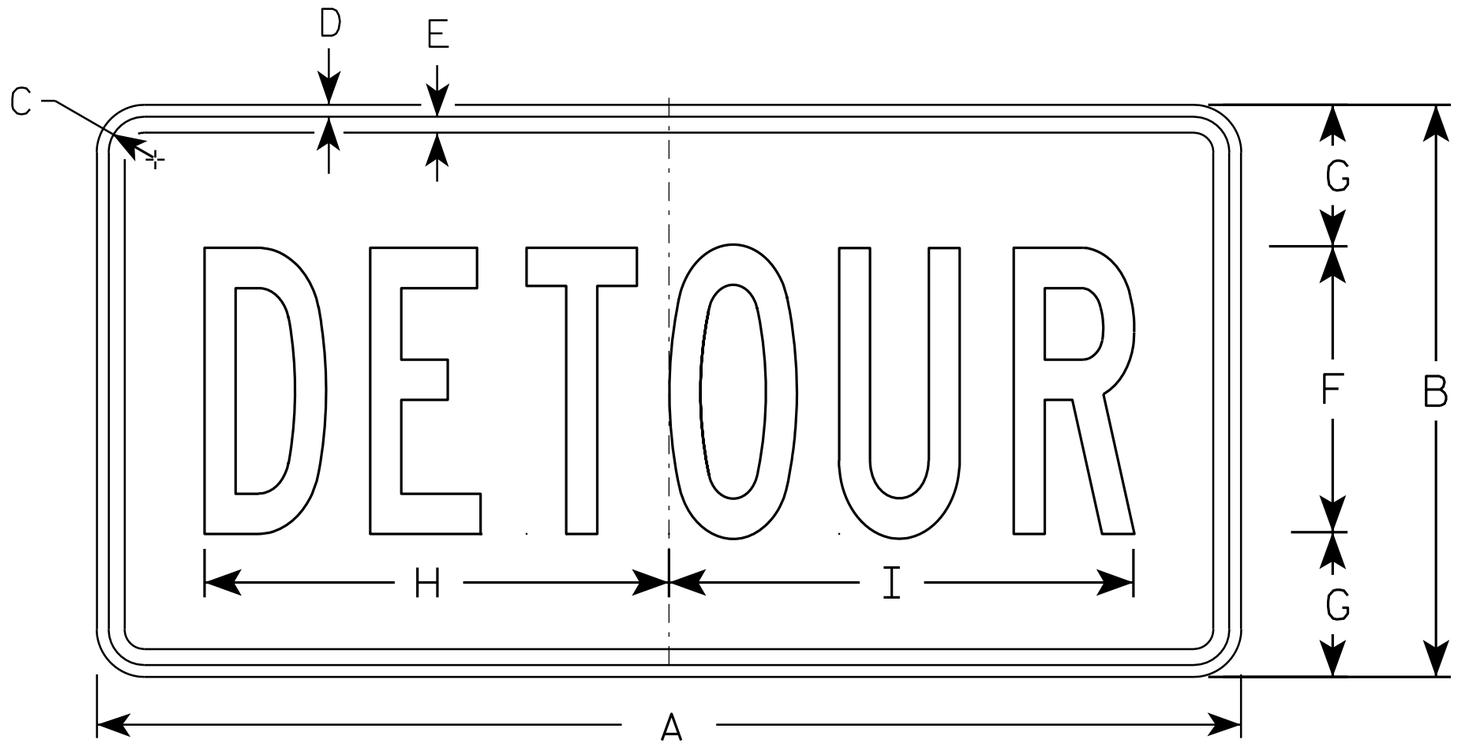
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

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: 224	E



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																											

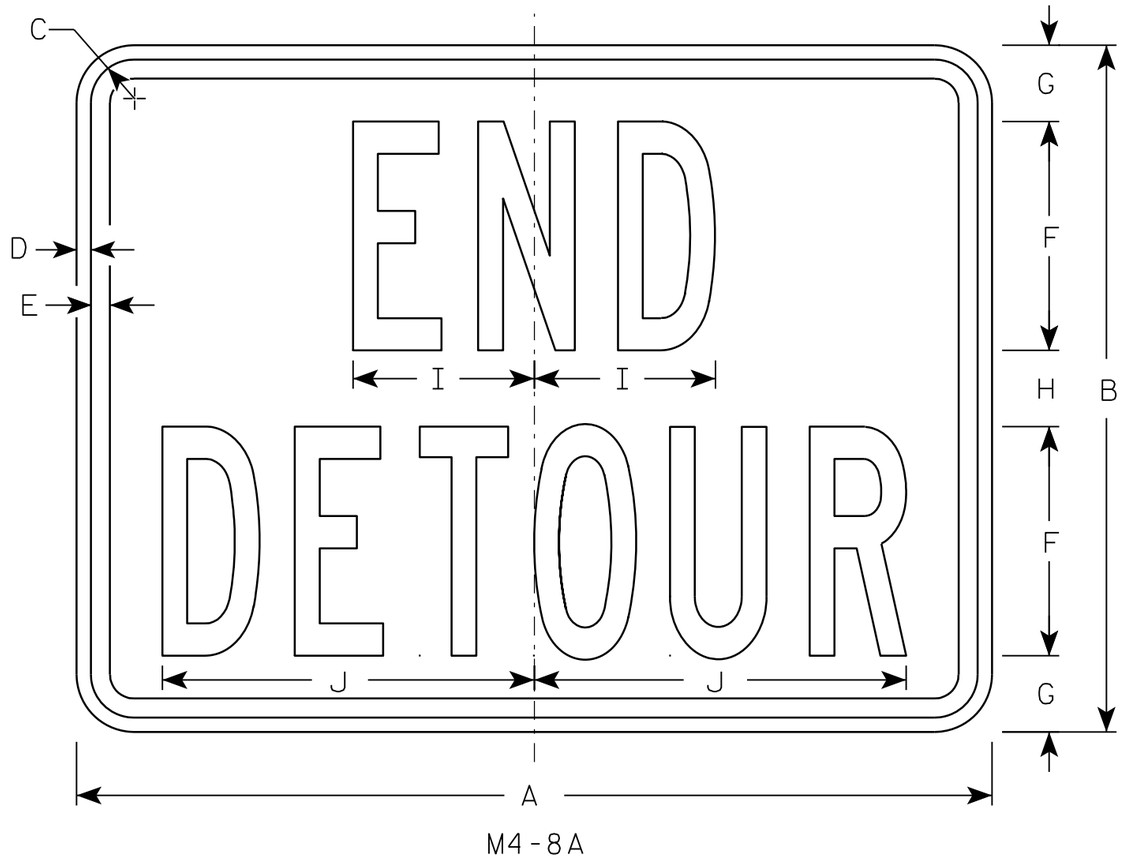
STANDARD SIGN
M4-8

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: 225	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																											

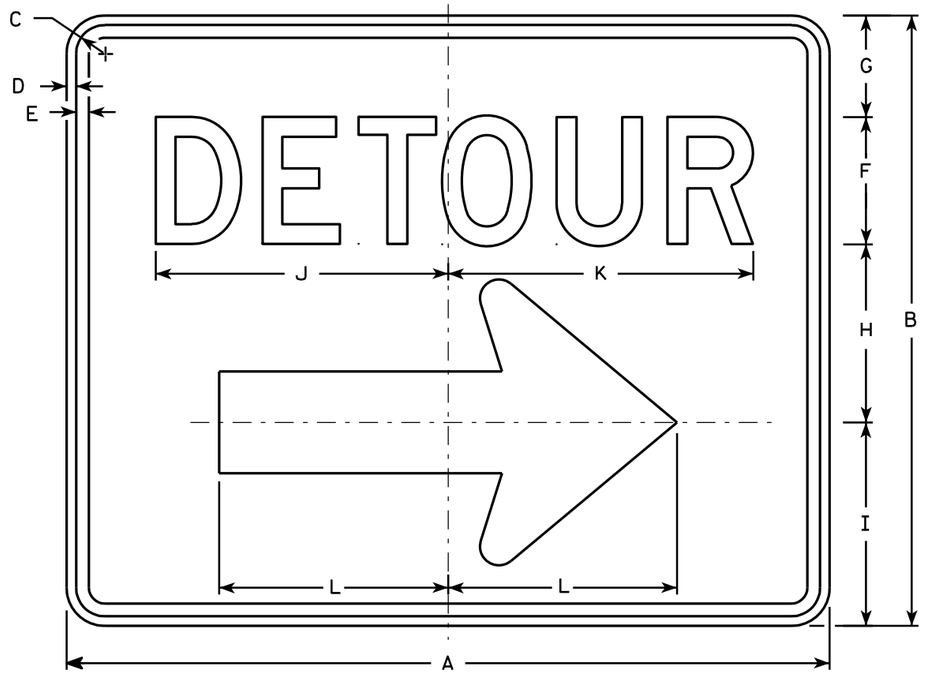
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2

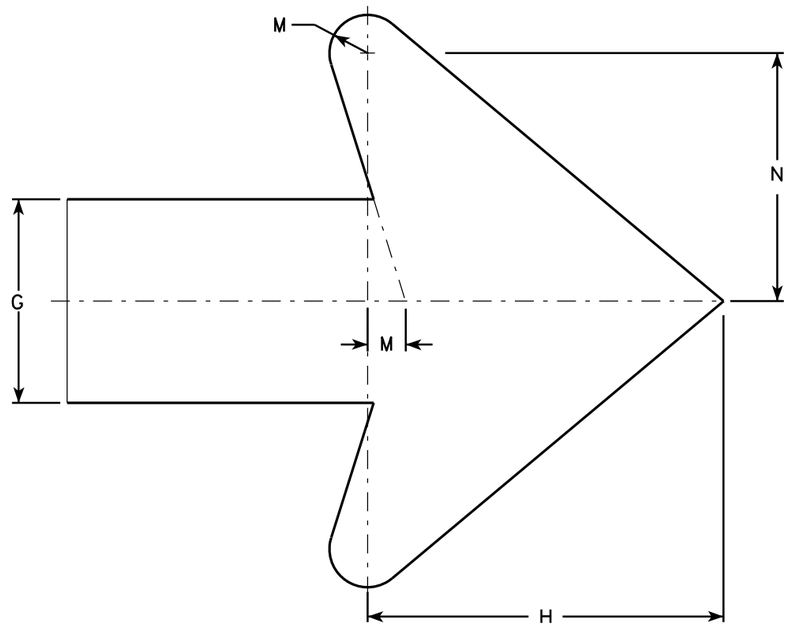
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 226	E



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

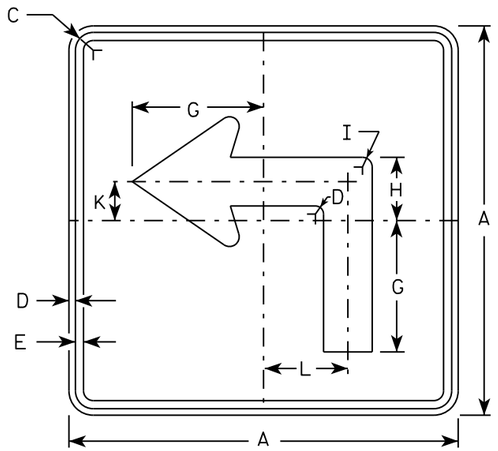
STANDARD SIGN
M4-9 R & L

WISCONSIN DEPT OF TRANSPORTATION

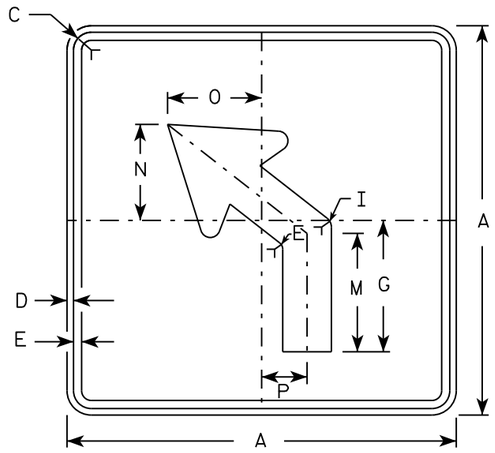
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-9R.4

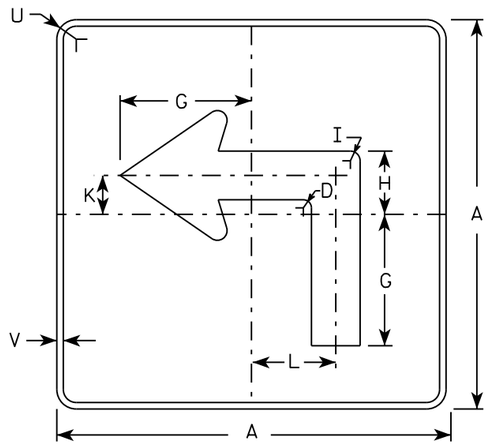
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 227	E



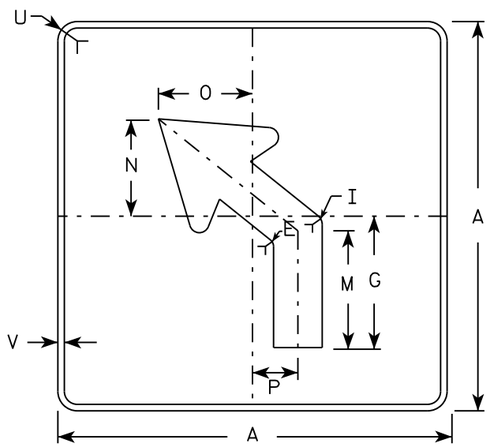
M5-1L
MM5-1L
MO5-1L
MP5-1L



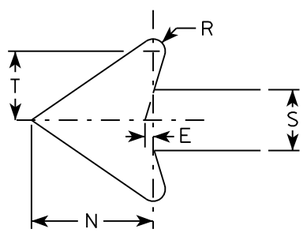
M5-2L
MM5-2L
MO5-2L
MP5-2L



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

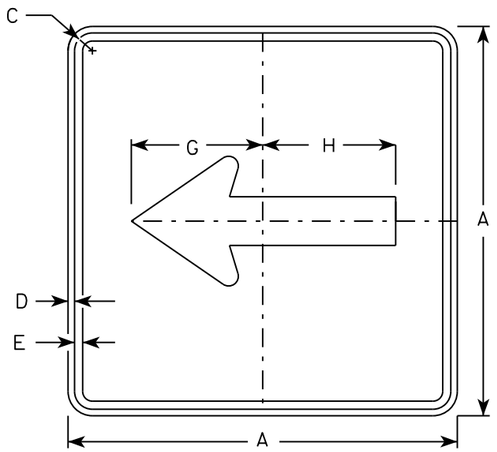
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

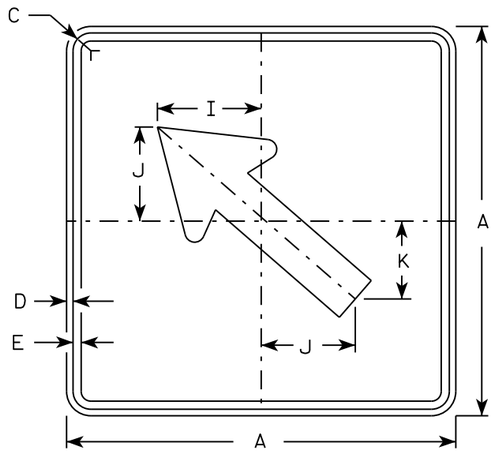
DATE 10/15/15 PLATE NO. M5-1.13

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



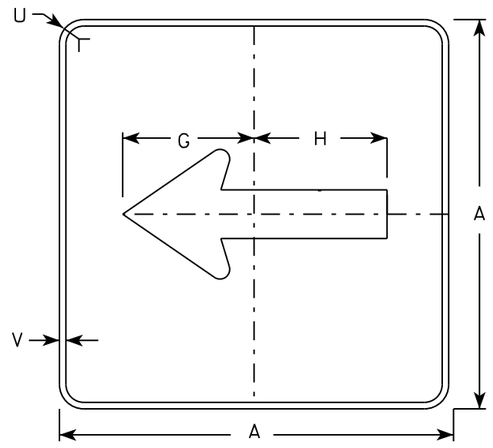
M6-1
MM6-1
MO6-1
MP6-1



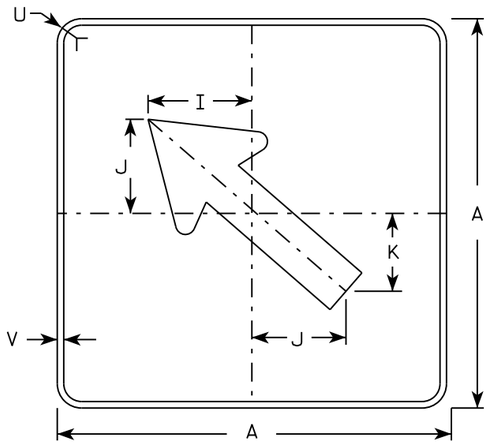
M6-2
MM6-2
MO6-2
MP6-2

NOTES

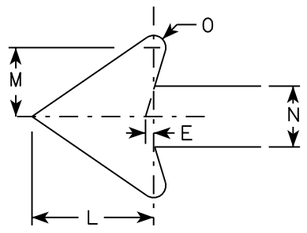
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - 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

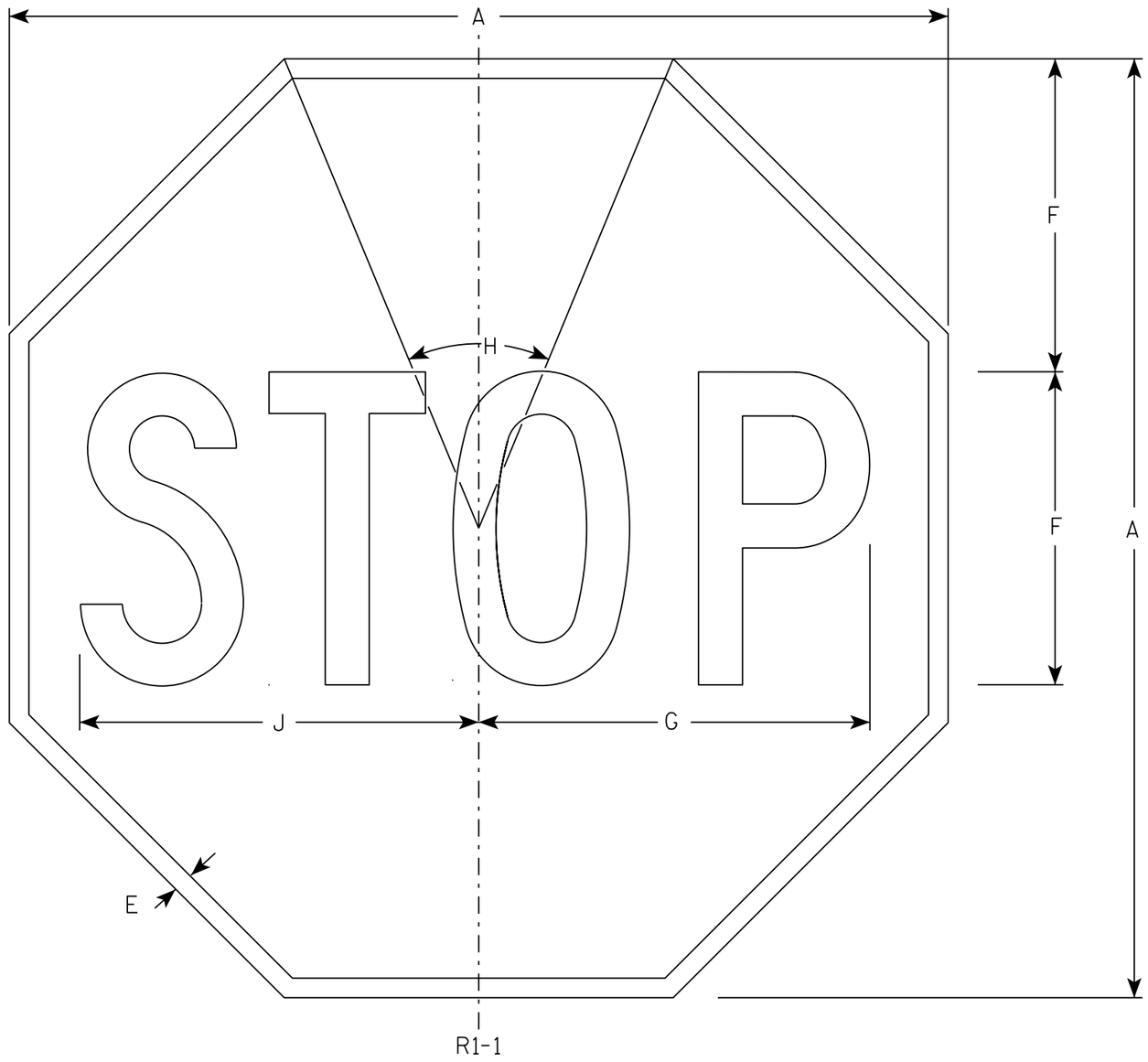
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 229 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

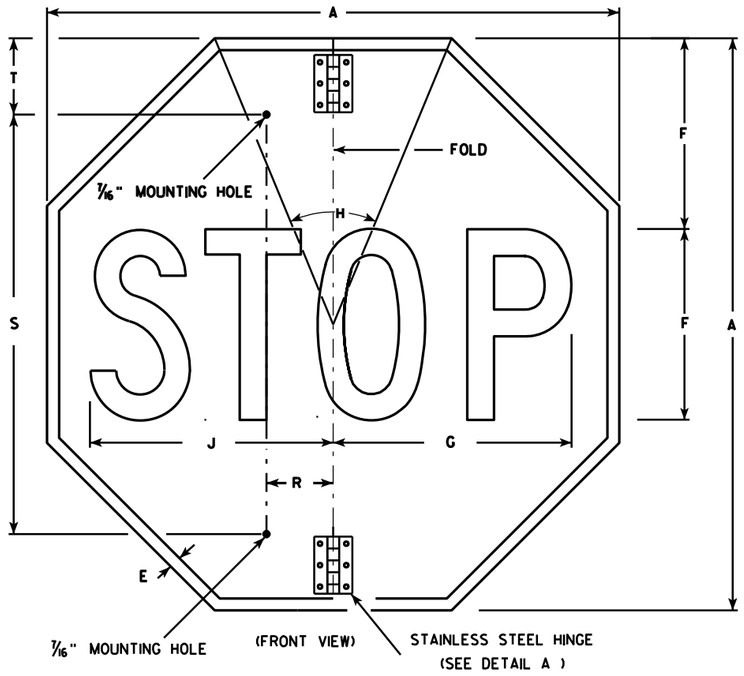
STANDARD SIGN
R1-1

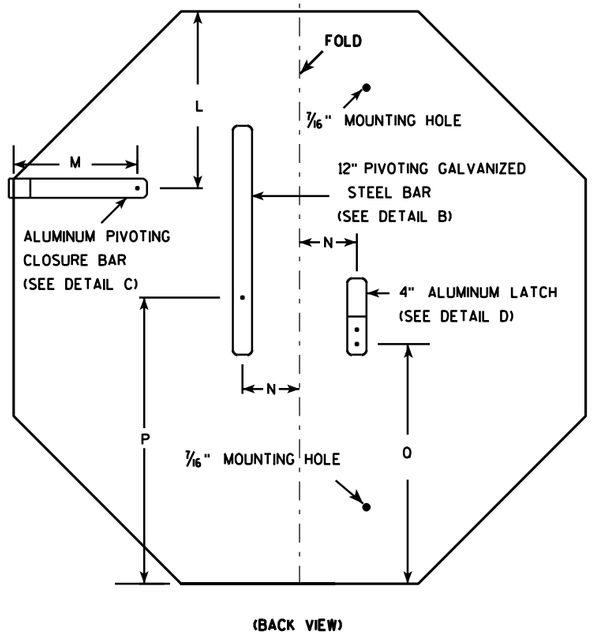
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

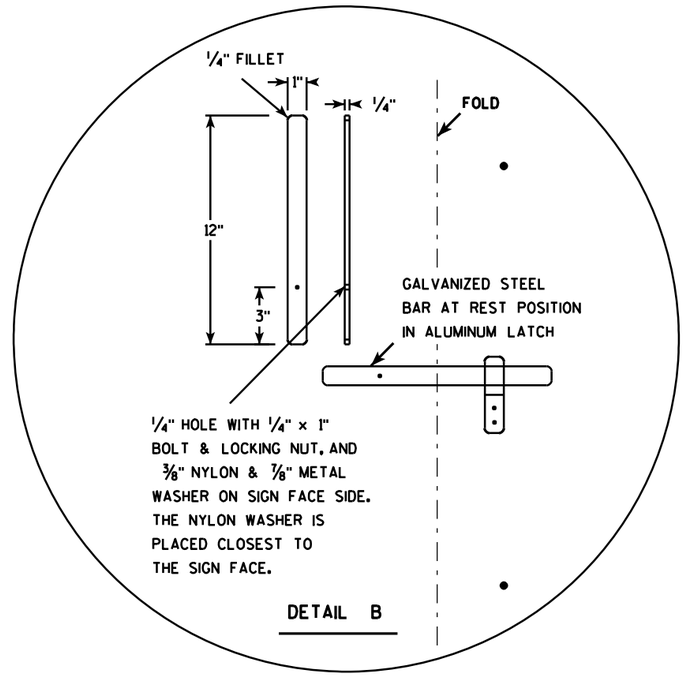
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 230	E

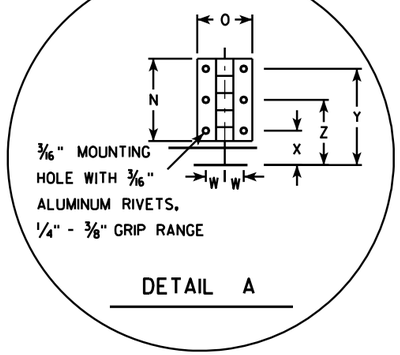


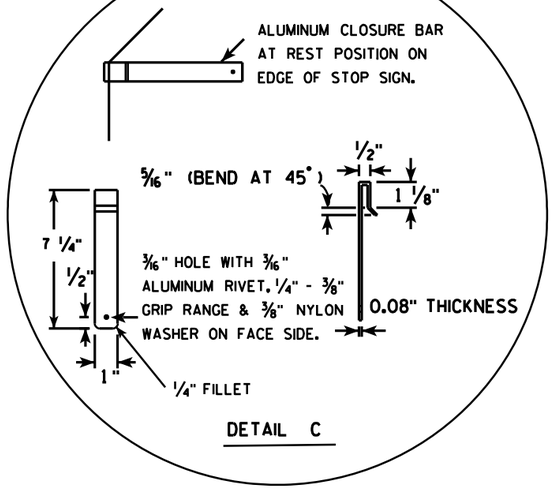


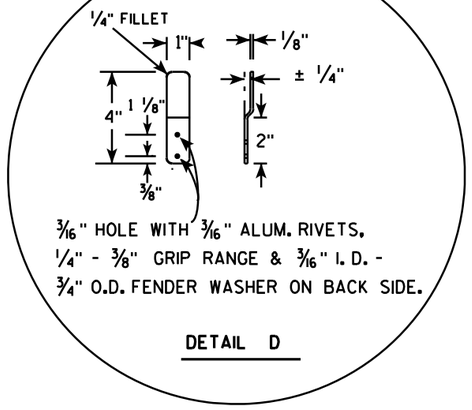
NOTES

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
4. All hardware used on the folding STOP sign installation shall conform to 637.2.4 of the WIS DOT Standard Specification.









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																											
2S	30				5/8	10	12 1/2	45		12 3/4		9 1/4	6 1/2	3	2	15	12 3/8	2 1/2	22	5			11/16	1 1/4	3 1/2	2 3/8	5.18
2M	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
3	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
4																											
5																											

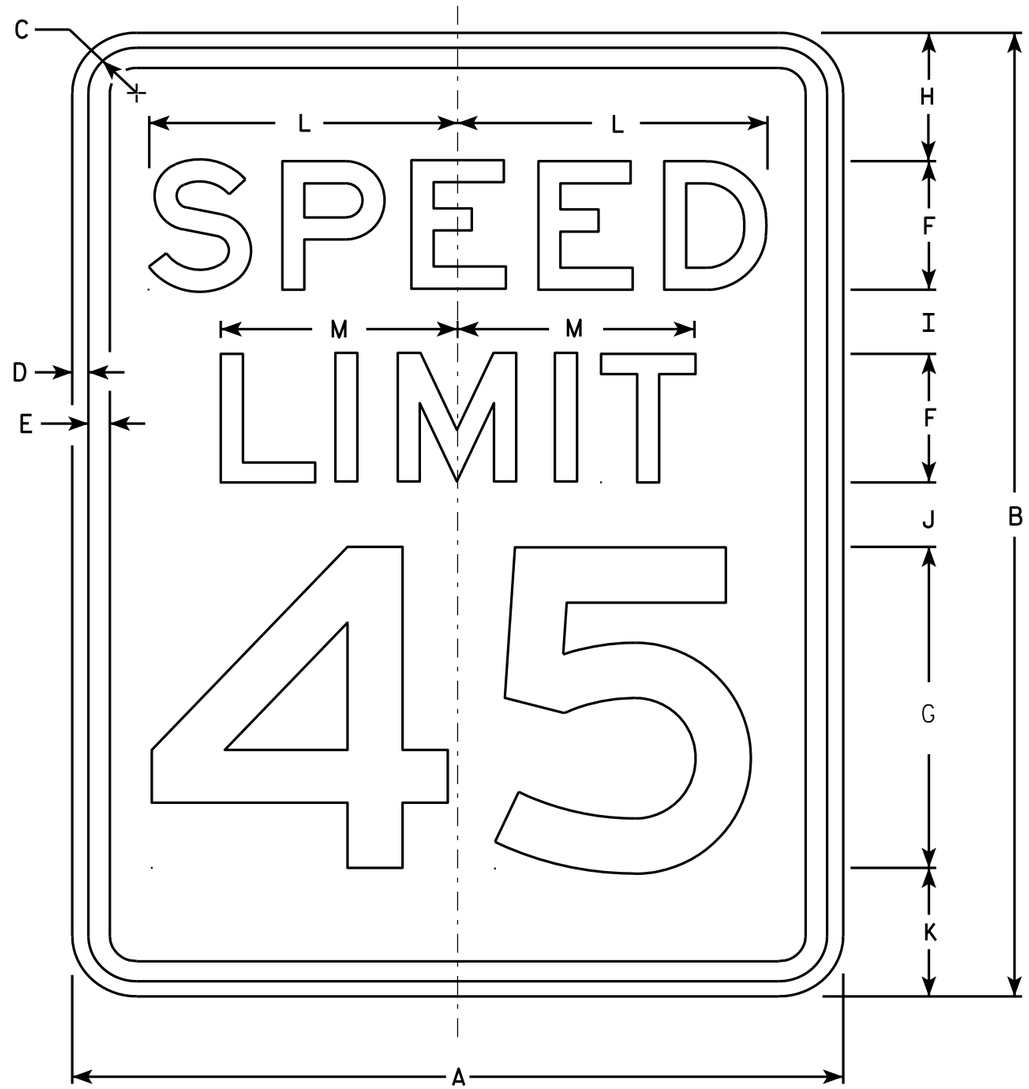
STANDARD SIGN
R1-1F

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-1F.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 231 | E



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

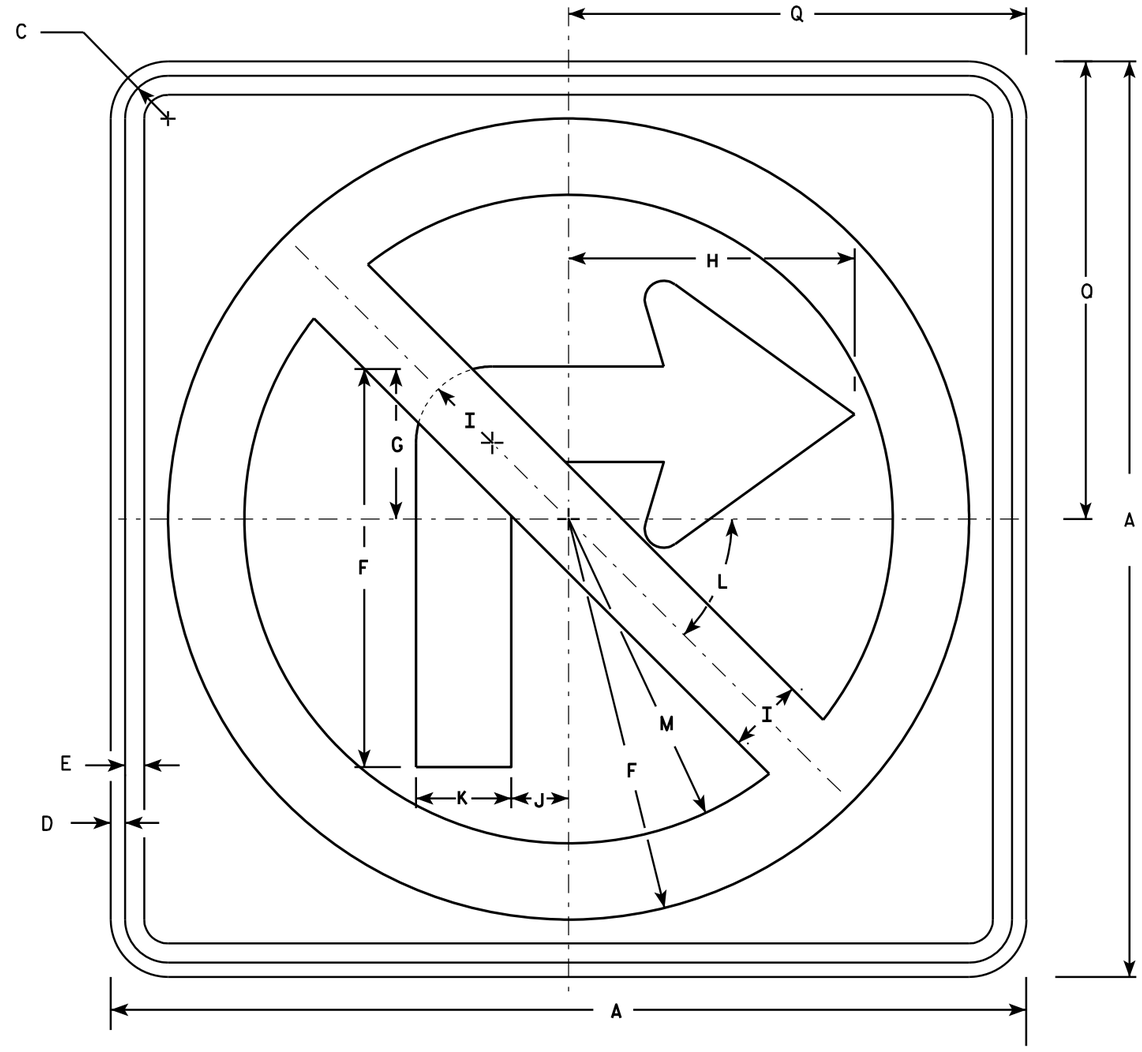
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

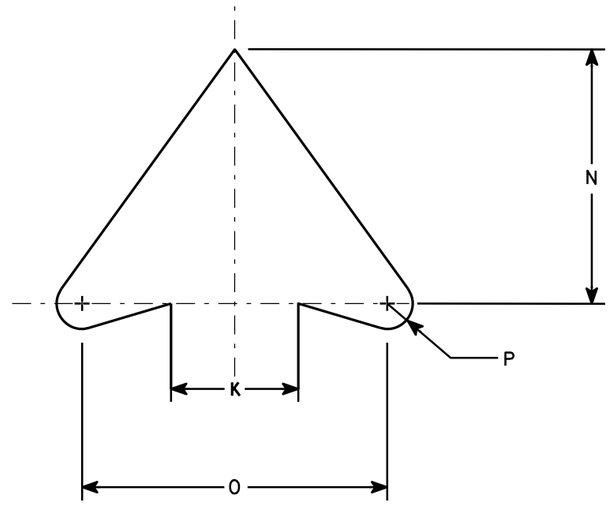
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 232	E



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

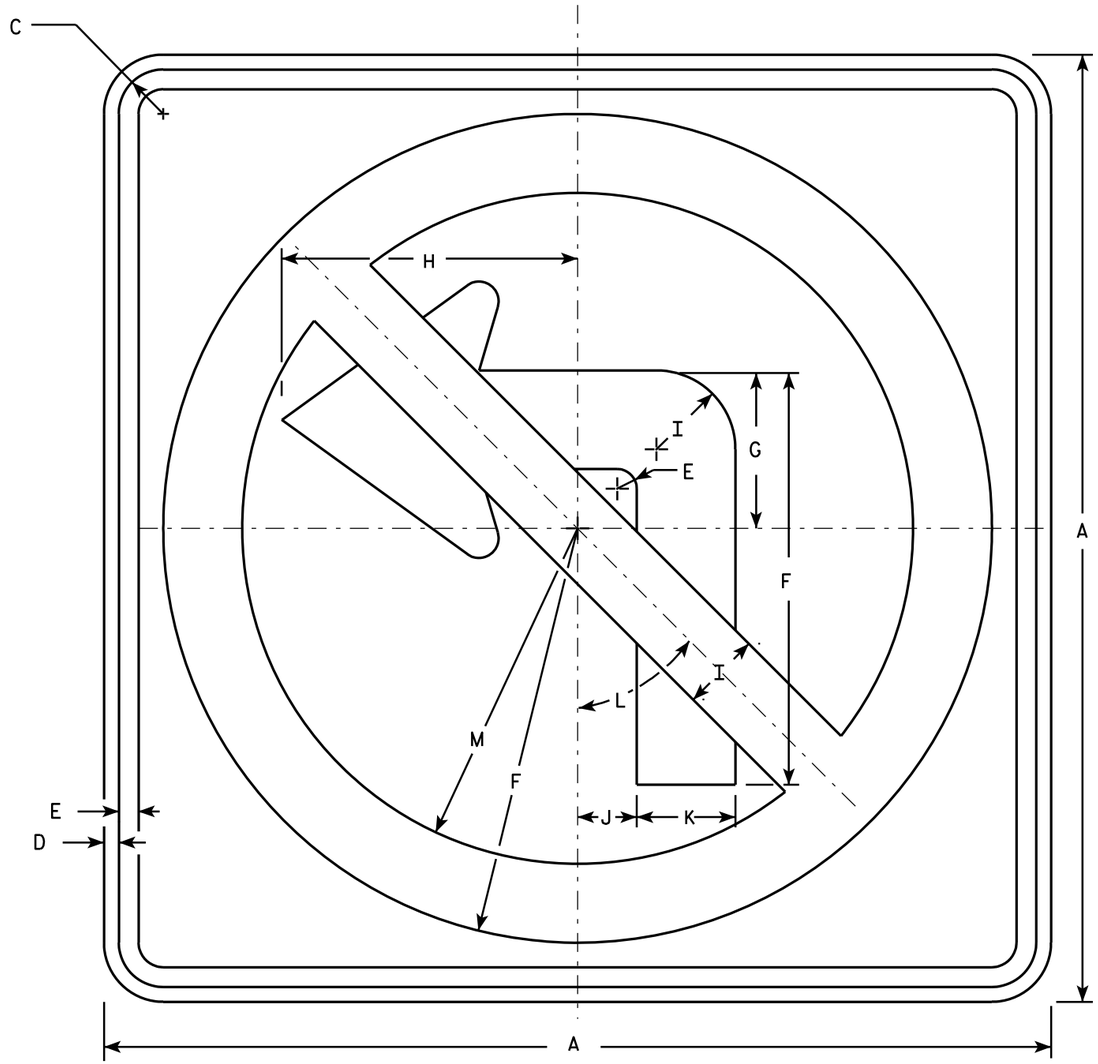
STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-1.5

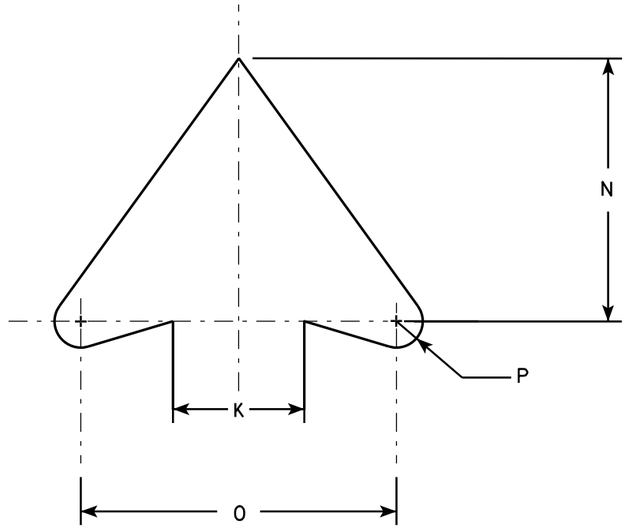
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 233	E



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

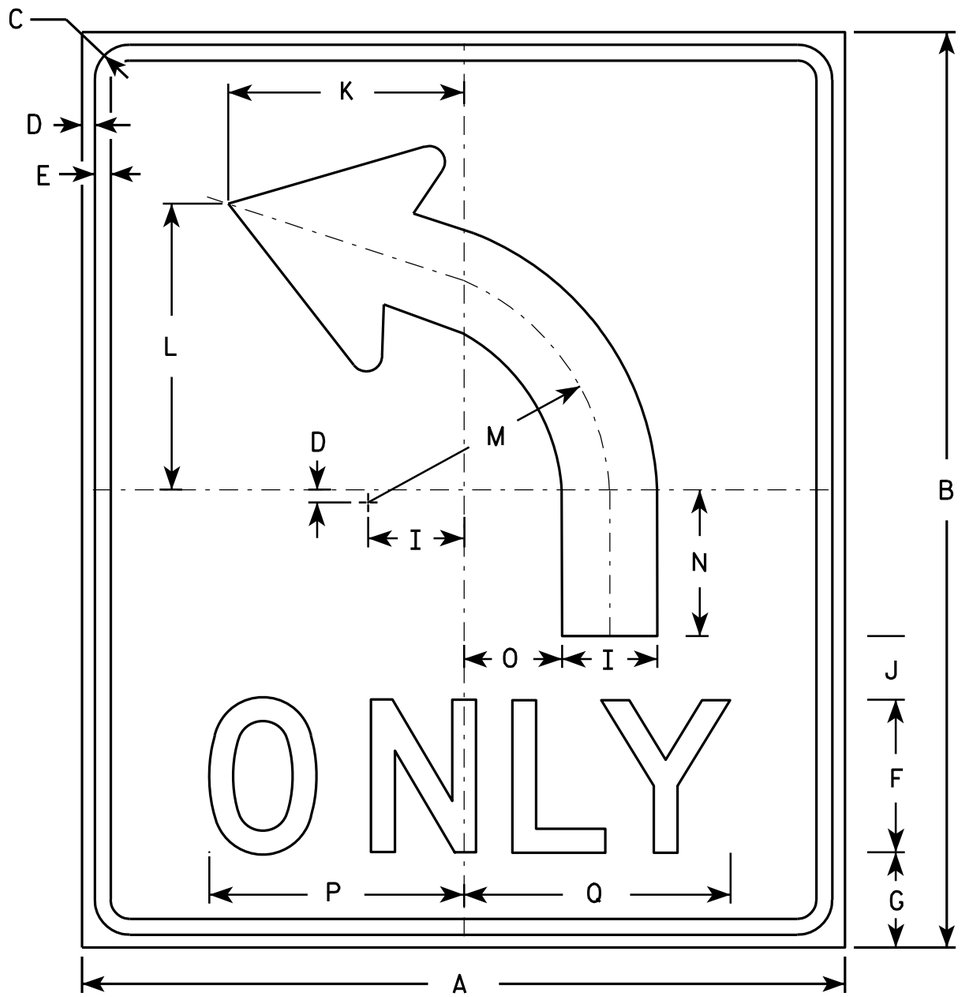
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-2.10

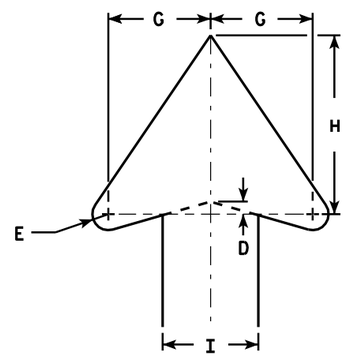
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 234	E



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																											

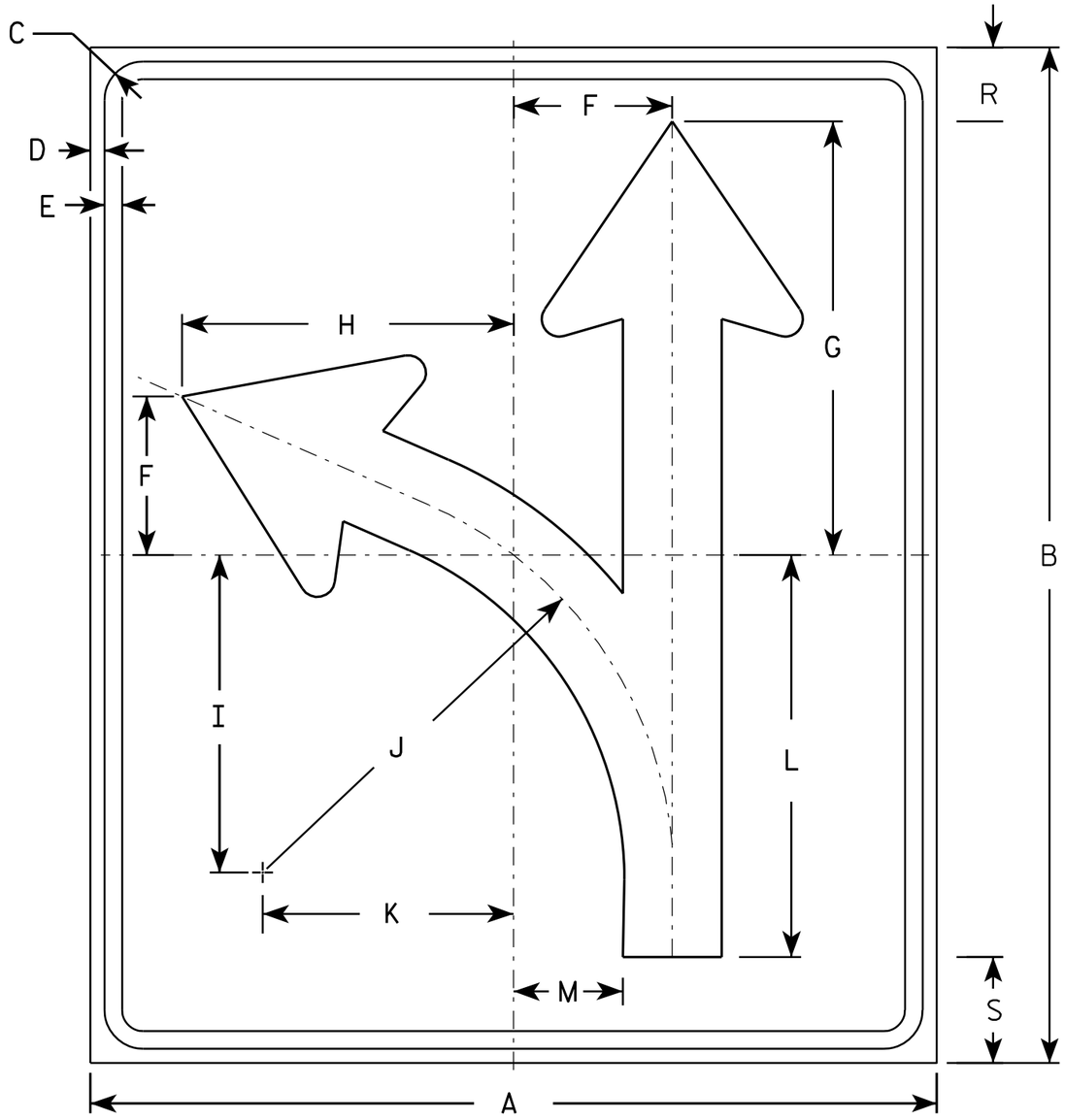
STANDARD SIGN
R3-50

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/24/2011 PLATE NO. R3-50.2

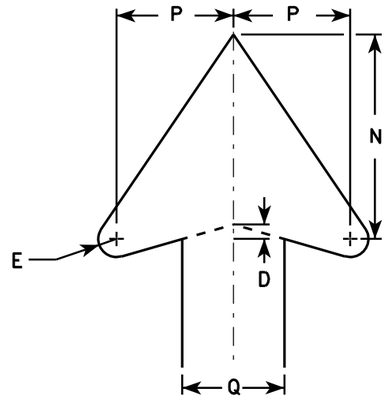
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 235 | E



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																											

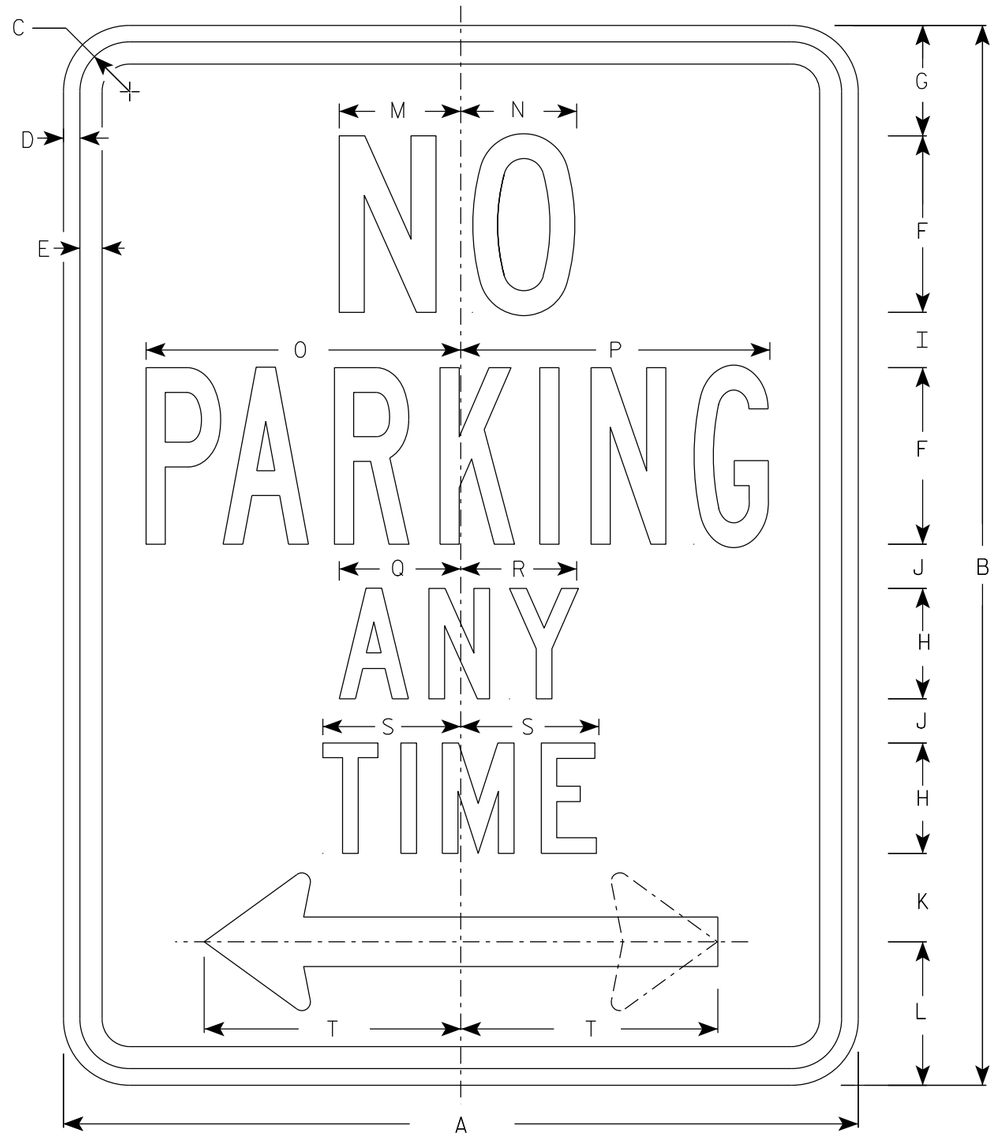
STANDARD SIGN
R3-60

WISCONSIN DEPT OF TRANSPORTATION

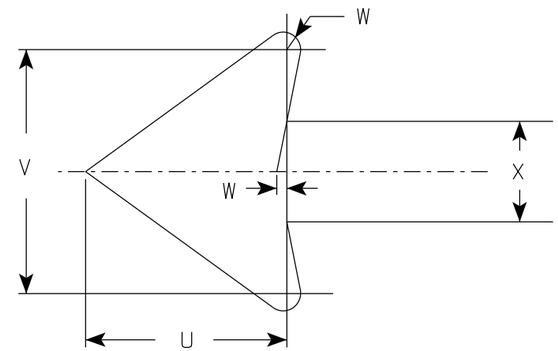
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R3-60.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 236	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: 237 E

7

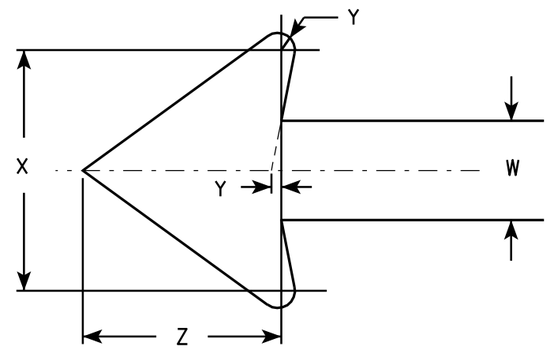
7



R7-51

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 - Red
3. Message Series - See Note 6
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. R7-51D (double arrow)
   R7-51R (right arrow)
   R7-51L (left arrow)
6. Lines 1, 3 and 4 are Series C.
   Line 2 is Series B.



ARROW DETAIL

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	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	4 7/8	5/8	1 3/4	2 1/2	4 3/8	3 7/8	3/4	1 3/4	1/8	1 1/2	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	5 3/4	1 1/8	1 1/2	3 1/8	5 1/2	5 7/8	1 1/8	2 5/8	1/4	2 1/4	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	7 1/8	1 1/4	2	3 3/4	6 1/2	7 3/4	1 1/2	3 1/2	1/4	3	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	7 1/8	1 1/4	2	3 3/4	6 1/2	7 3/4	1 1/2	3 1/2	1/4	3	5.0
4																											
5																											

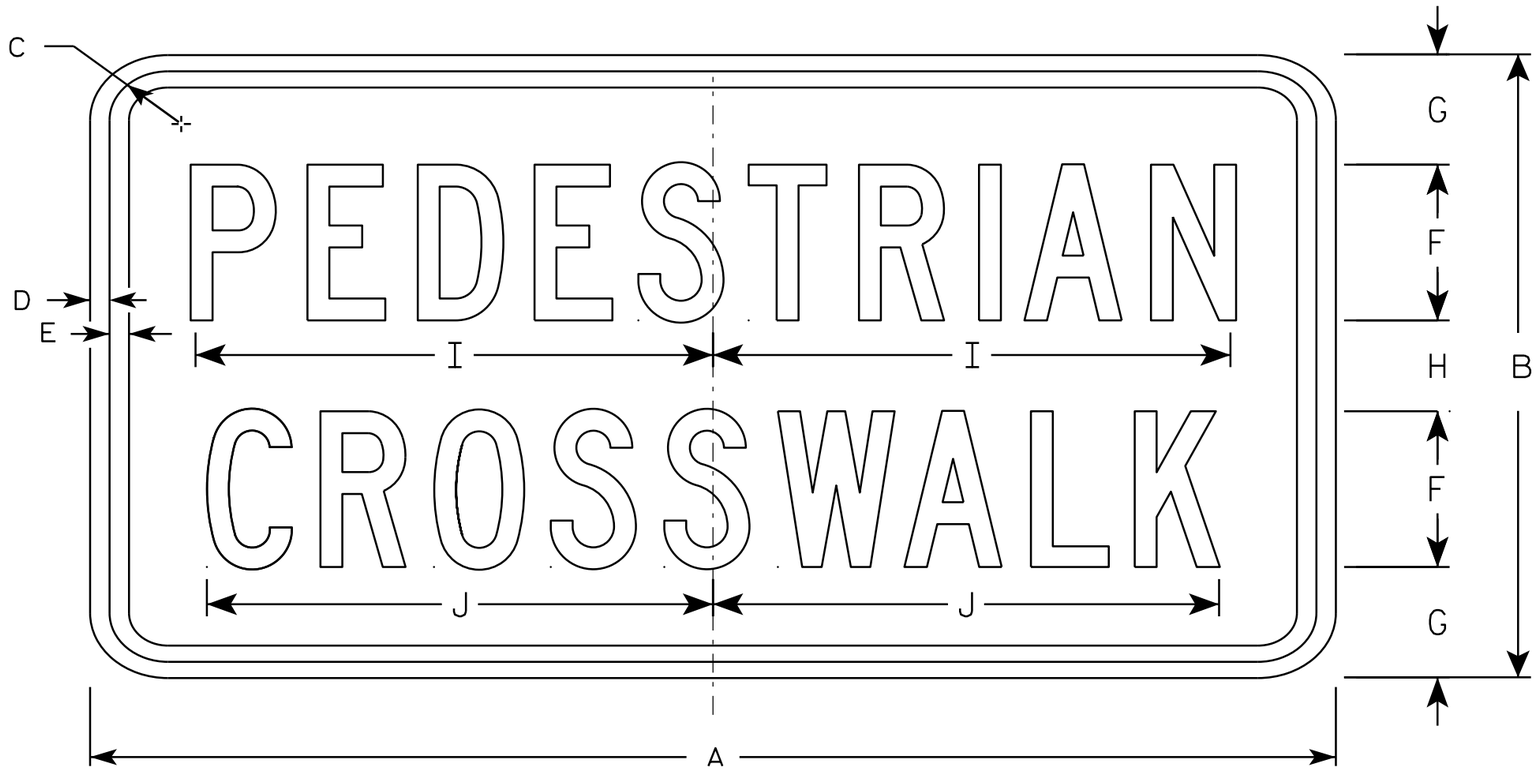
STANDARD SIGN
R7-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R7-51.6

PROJECT NO:	HWY:	COUNTY:			SHEET NO: 238	E



R9-8

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	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	9 3/4																	2.0
2M	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	9 3/4																	2.0
3	30	18	1 3/4	1/2	1/2	4	3 1/2	3	13	13																	3.75
4																											
5																											

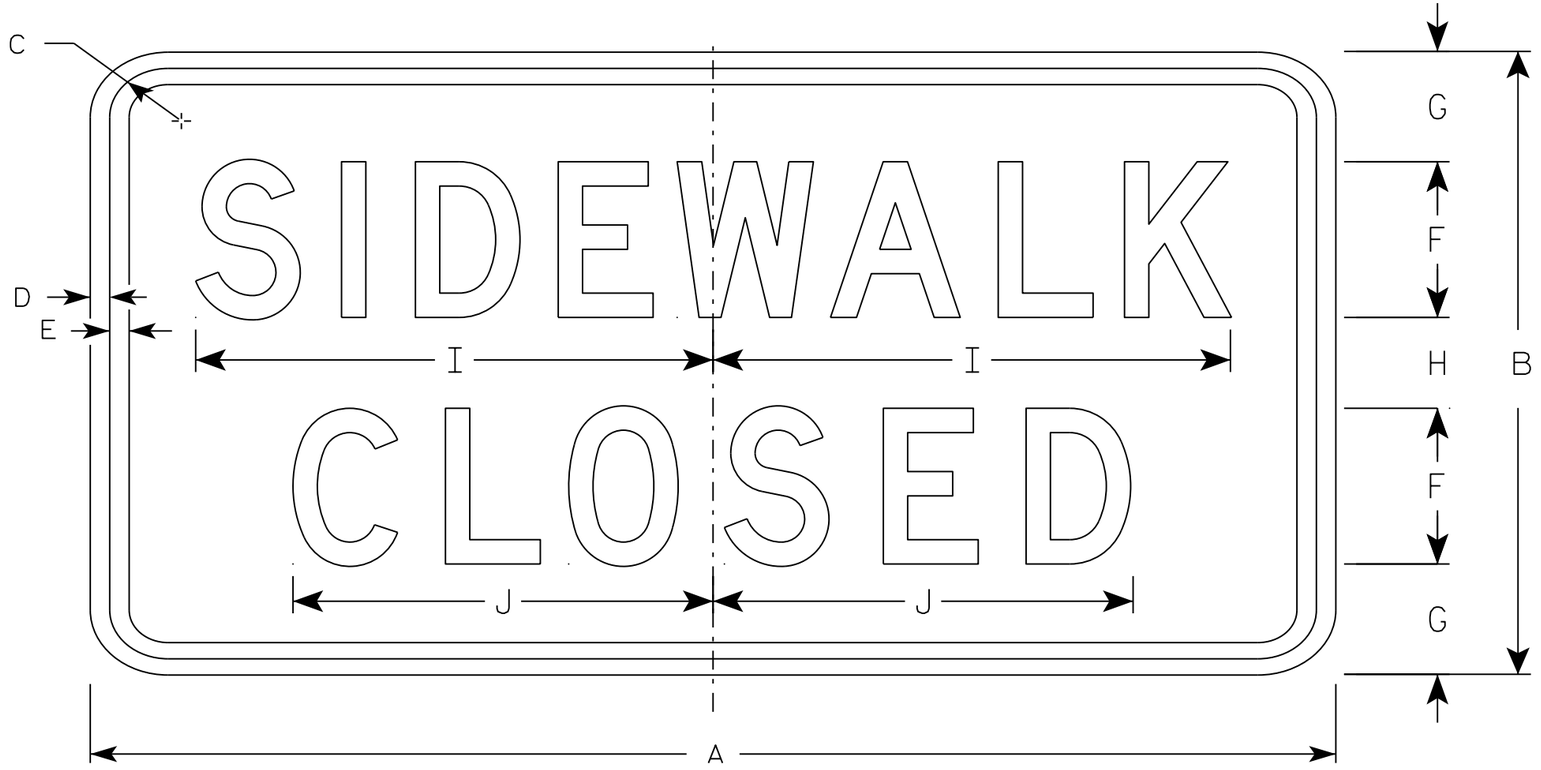
STANDARD SIGN
R9-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/17/16 PLATE 239 R9-8.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



R9-9

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.
5. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.

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 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
2M	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
3	30	18	1 3/4	1/2	1/2	4	3 1/2	3	12 1/2	10 1/4																	3.75
4																											
5																											

STANDARD SIGN
R9-9

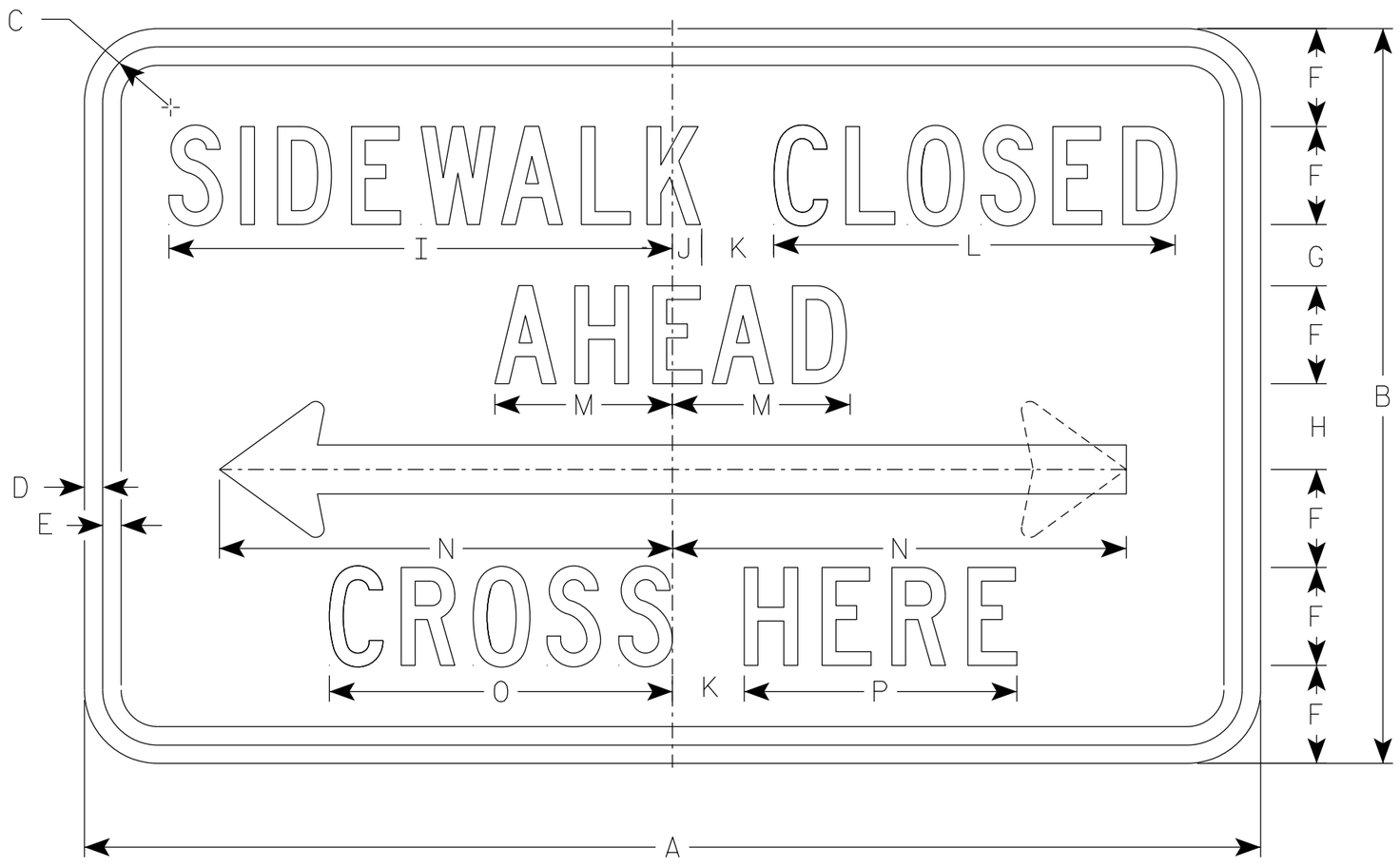
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

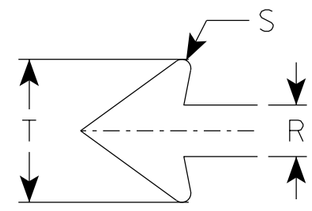
DATE 8/11/16 PLATE 240 R9-9.6

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R99.DGN PLOT DATE : 11-AUG-2016 11:33 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 2.918761:1.000000



R9-11



NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C except Size 1 is 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. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.
6. R9-11 D (double arrow)
   R9-11 L (left arrow)
   R9-11 R (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																											
2S	24	12	1 1/8	3/8	3/8	1 1/2	1 1/2	1 1/2	9 3/4	5/8	1 1/2	7 5/8	3 1/2	9 1/4	6 5/8	5 1/8		1	1/8	2 3/4							2.0
2M	24	12	1 1/8	3/8	3/8	1 1/2	1 1/2	1 1/2	9 3/4	5/8	1 1/2	7 5/8	3 1/2	9 1/4	6 5/8	5 1/8		1	1/8	2 3/4							2.0
3	30	15	1 1/8	3/8	1/2	2	1 1/2	1 1/2	13	3/4	2	10 1/4	4 5/8	12 3/8	8 7/8	6 7/8		1 1/4	1/4	3 5/8							3.125
4																											
5																											

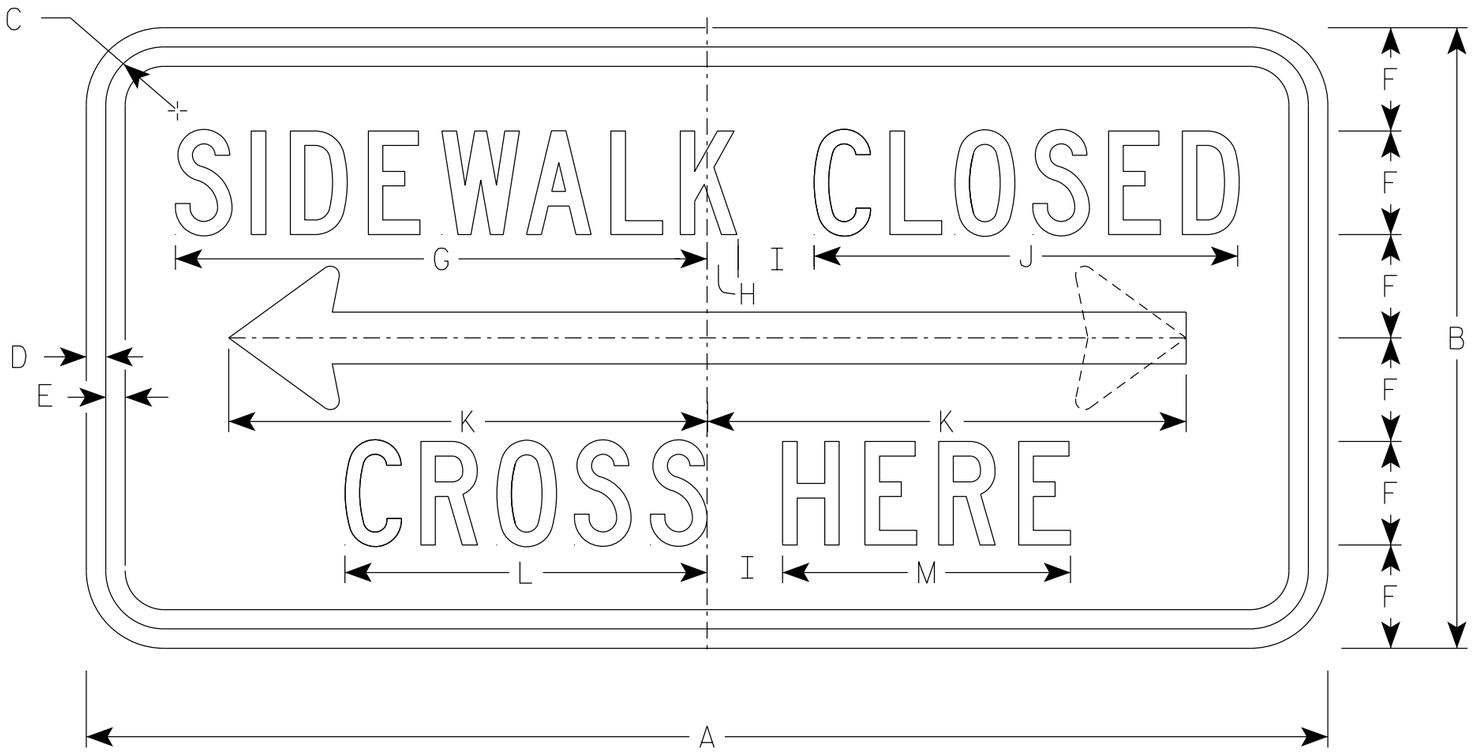
STANDARD SIGN
R9-11

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 3/30/2021 PLATE NO. R9-11.4

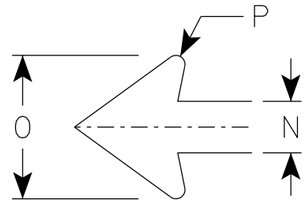
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 241 | E



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																											

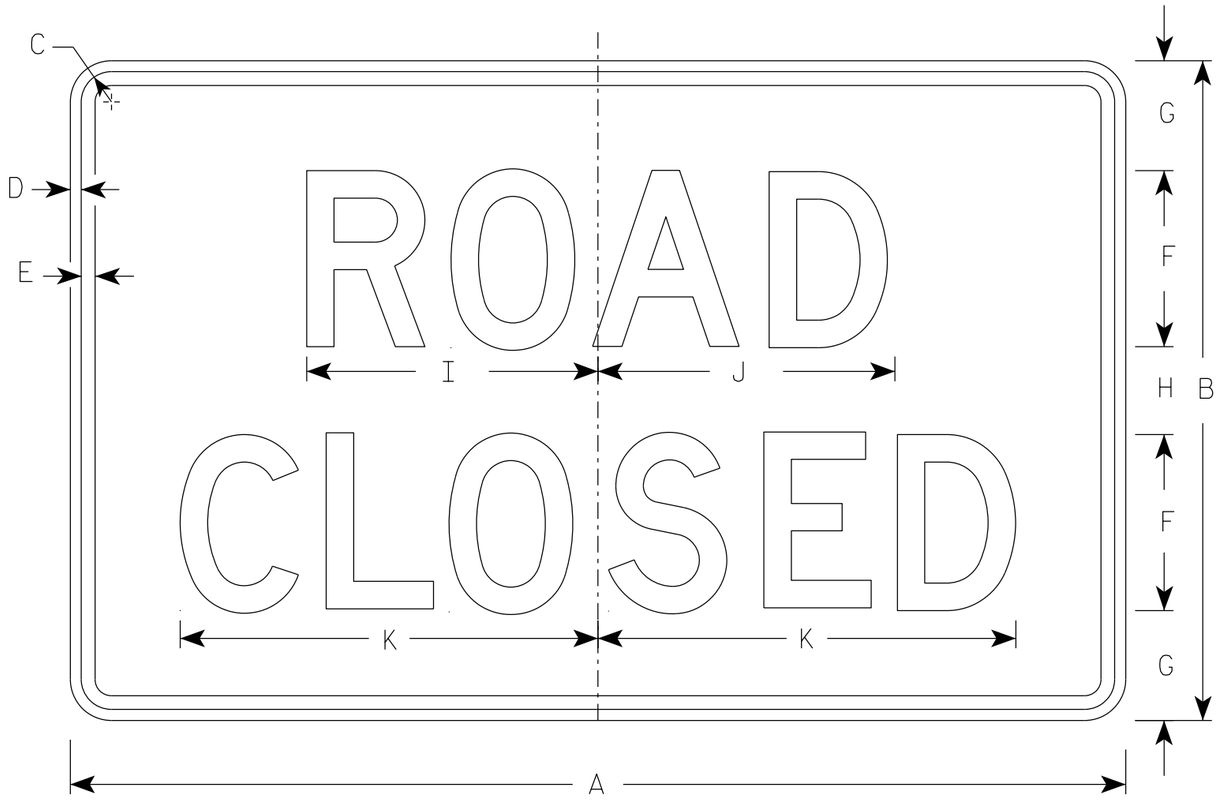
STANDARD SIGN
R9-11A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2021 PLATE NO. R9-11A.5

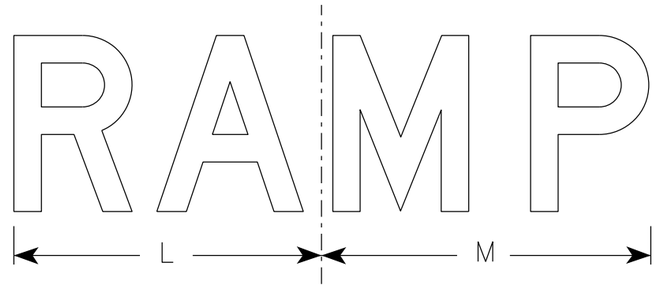
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 242 | E



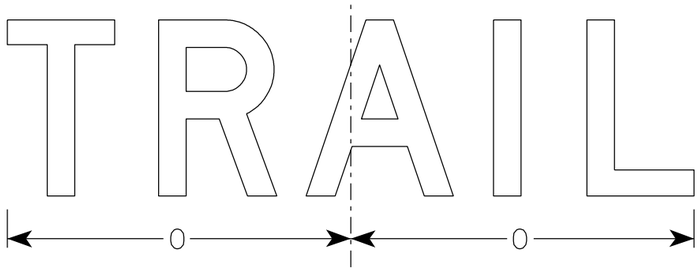
R11-2

NOTES

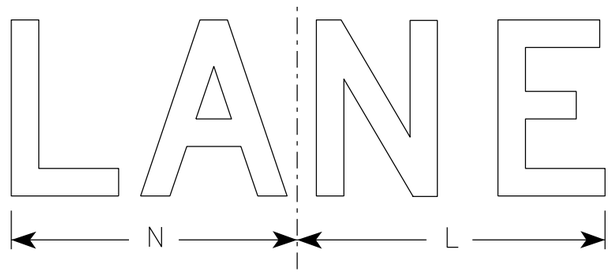
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the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

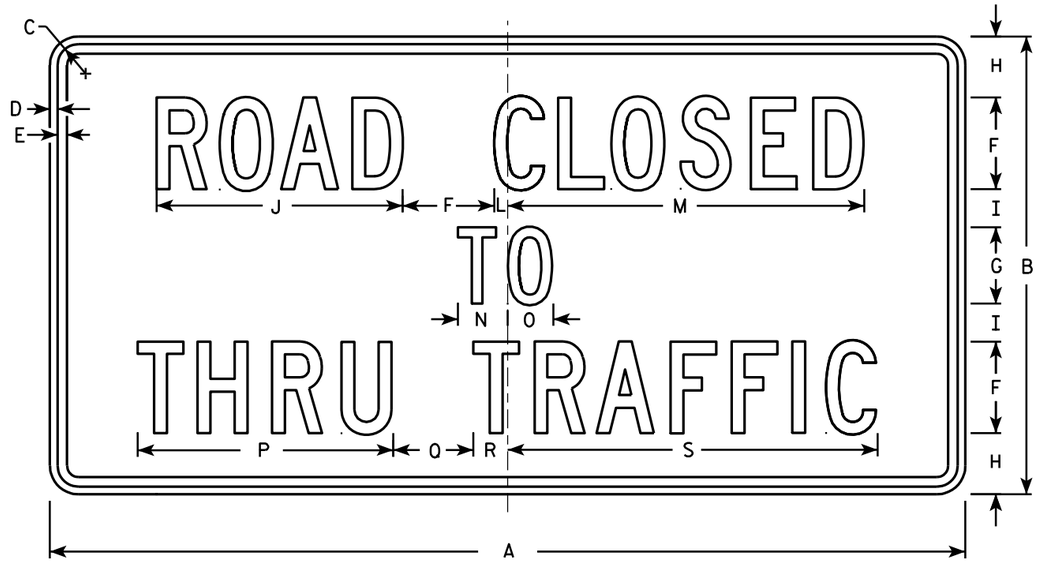
STANDARD SIGN
R11-2

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: 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																											

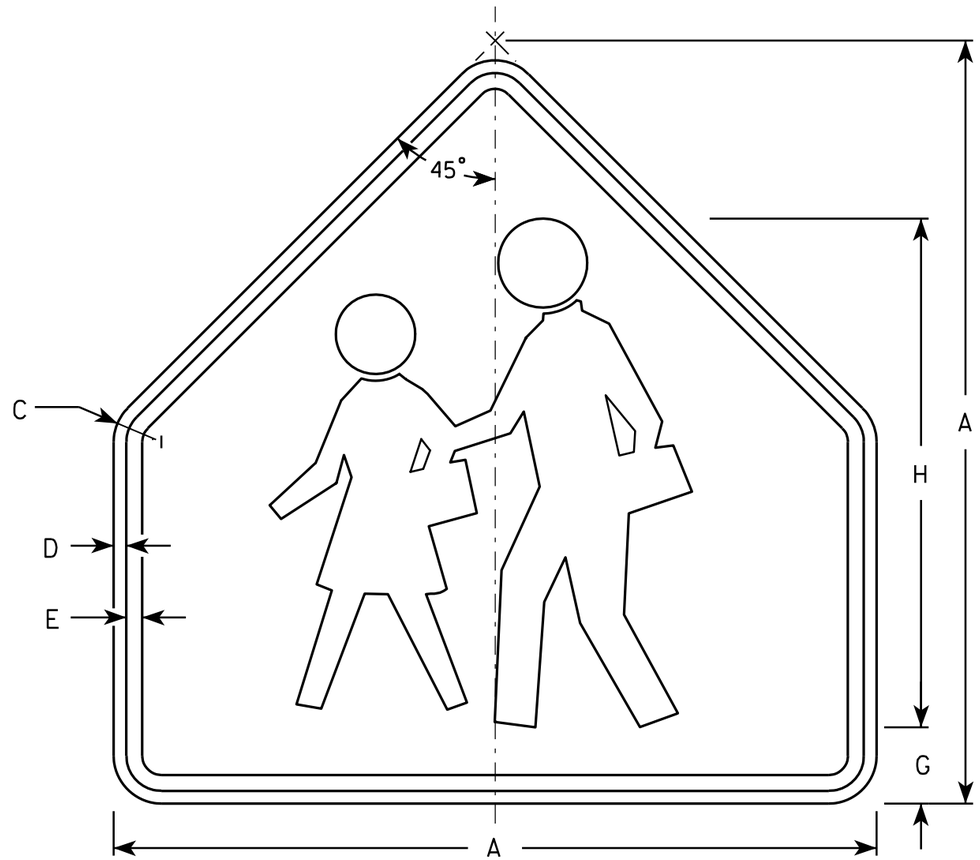
STANDARD SIGN
R11 - 4

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: 244 | E



S1-1

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-Green
   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	30		1 3/8	1/2	5/8		3	20																			4.69
2	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
3	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
4	48		2 1/4	3/4	1		4 3/4	32																			12
5																											

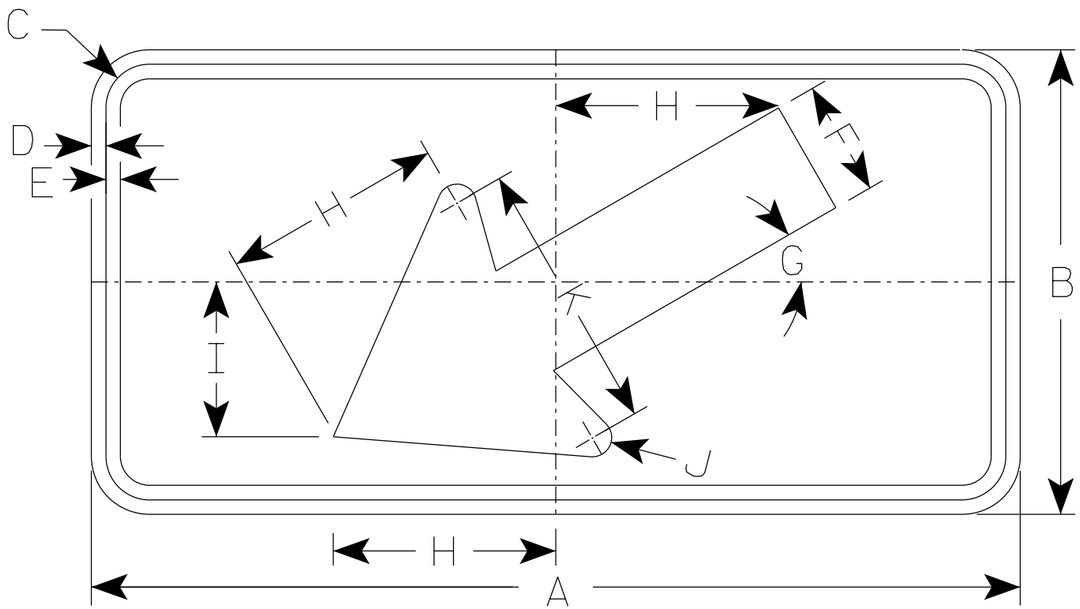
STANDARD SIGN
S1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/30/05 PLATE NO. S1-1.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 245	E



S16-7L

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow-Green
   Message - Black
3. S16-7R are the same as S16-7L except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	12	1 1/8	3/8	3/8	3	30°	5 3/4	4	1/2	7																2.0
2S	30	18	1 1/8	3/8	1/2	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
2M	30	18	1 1/8	3/8	1/2	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
3	30	18	1 1/8	3/8	1/2	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
4	48	24	1 3/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0
5																											

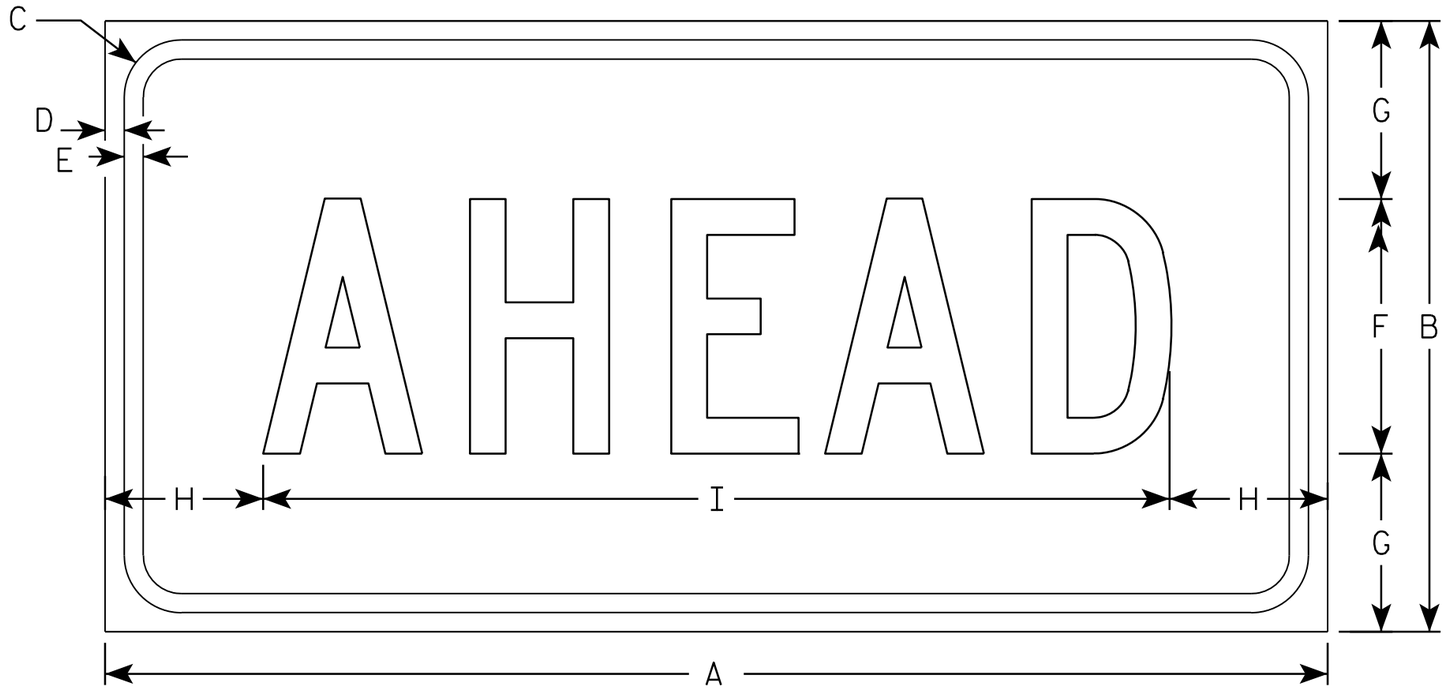
STANDARD SIGN
S16-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/2021 PLATE NO. S16-7.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 246 E



S16-9P

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-Green
   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	24	12	1 1/8	3/8	3/8	5	3 1/2	3 1/8	17 3/4																		2.0
2S	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
2M	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
3	30	18	1 1/8	3/8	1/2	7	3 1/2	2 3/4	24 1/2																		3.75
4	48	24	1 3/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
5																											

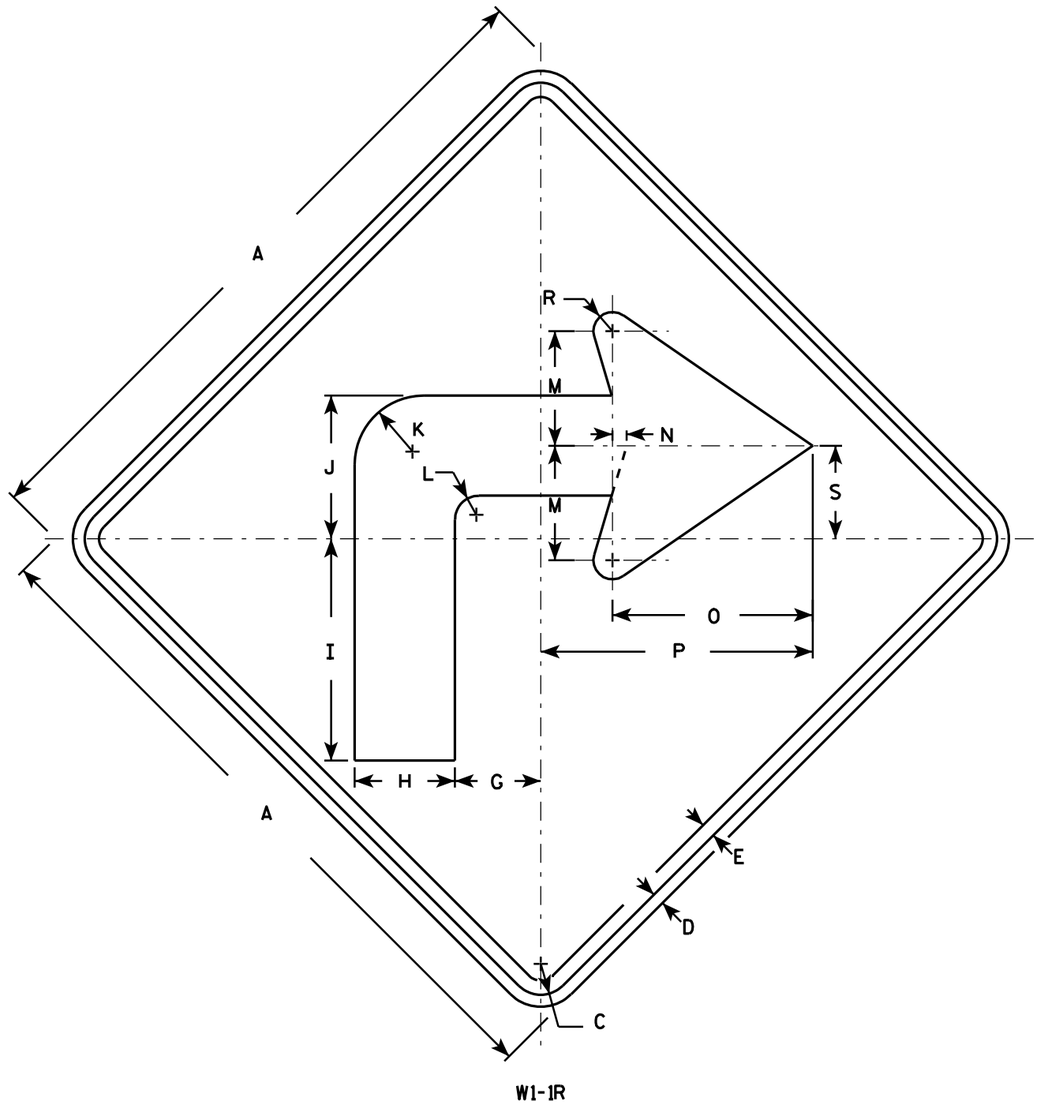
STANDARD SIGN
S16-9P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/22/13 PLATE NO. S16-9P.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 247 | E



W1-1R

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.
4. W1-1L is the same as W1-1R except the arrow is reversed along the vertical centerline.

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

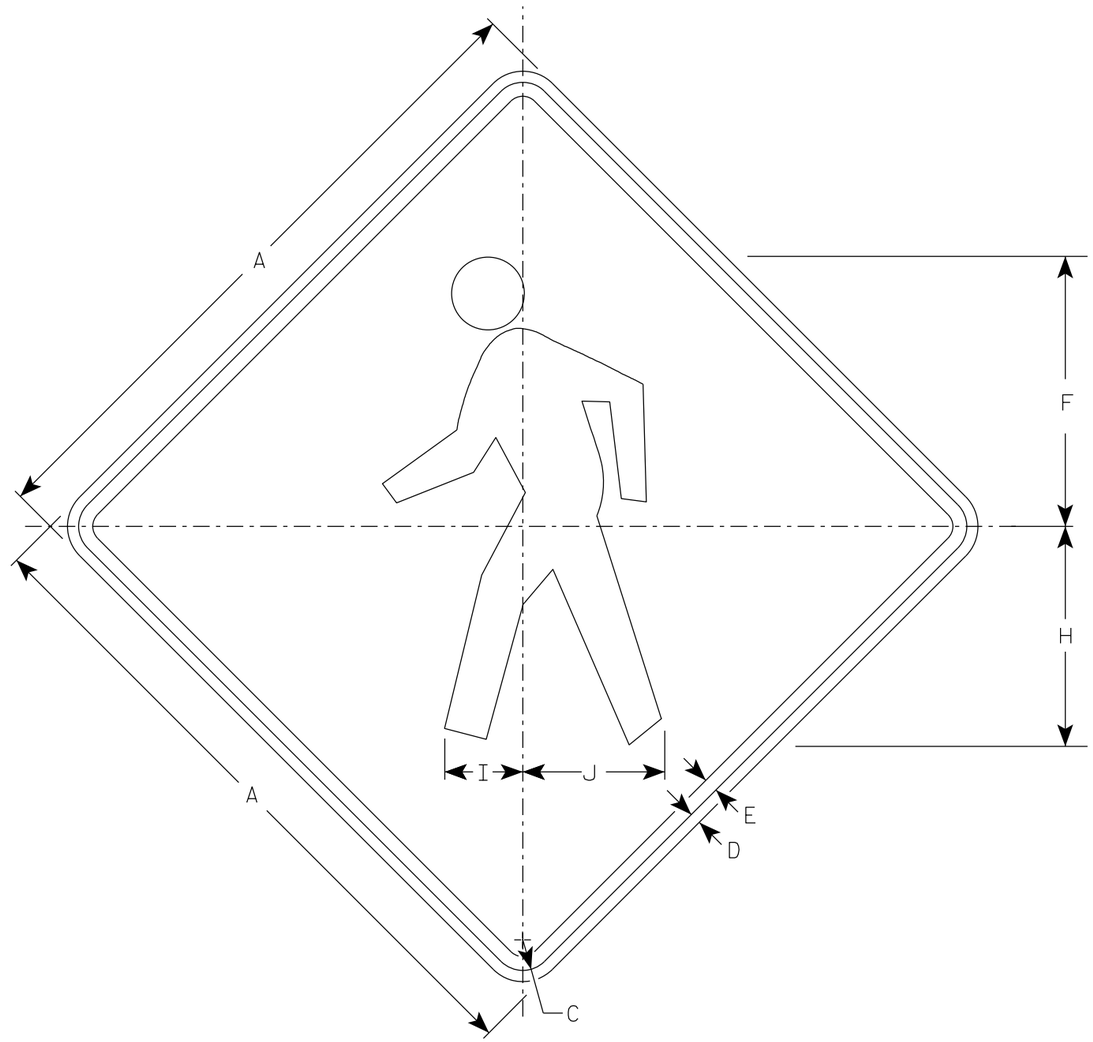
STANDARD SIGN
W1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/15/12 PLATE NO. W1-1.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 248 | E



W11-2

NOTES

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

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

STANDARD SIGN
W11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

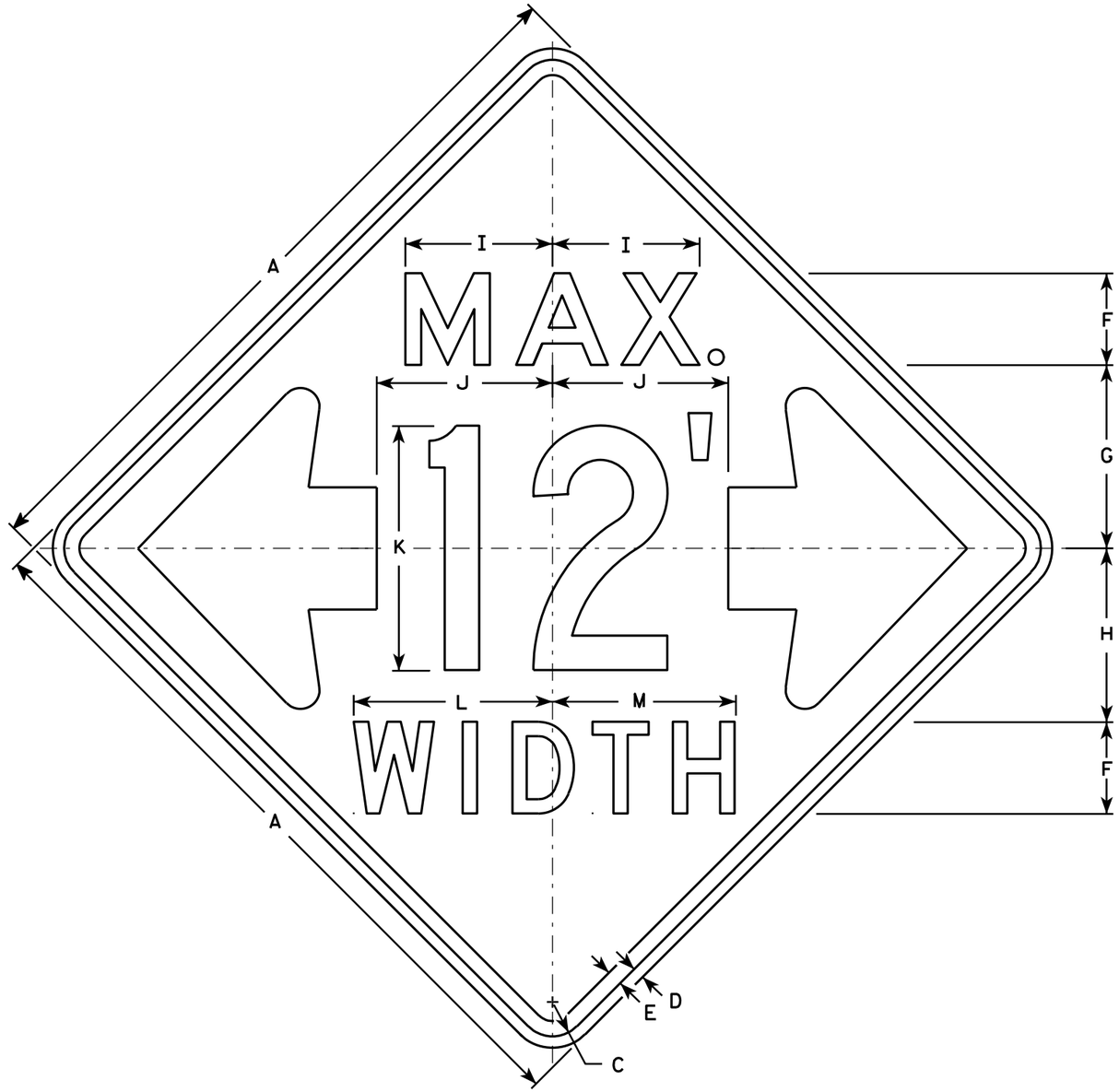
DATE 4/8/2020 PLATE NO. W11-2.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 249 E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W112.DGN PLOT DATE : 08-APRIL-2020 PLOT BY : dotc4c PLOT NAME : PLOT SCALE :

WISDOT/CADDS SHEET 42

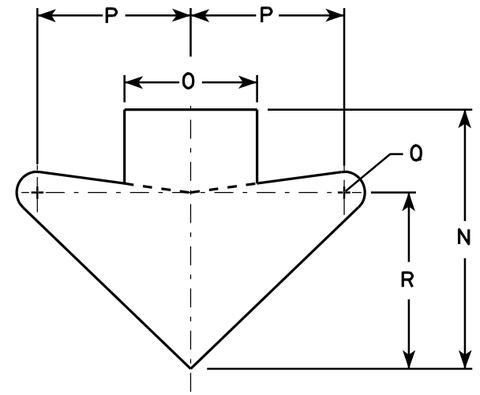
7 7



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

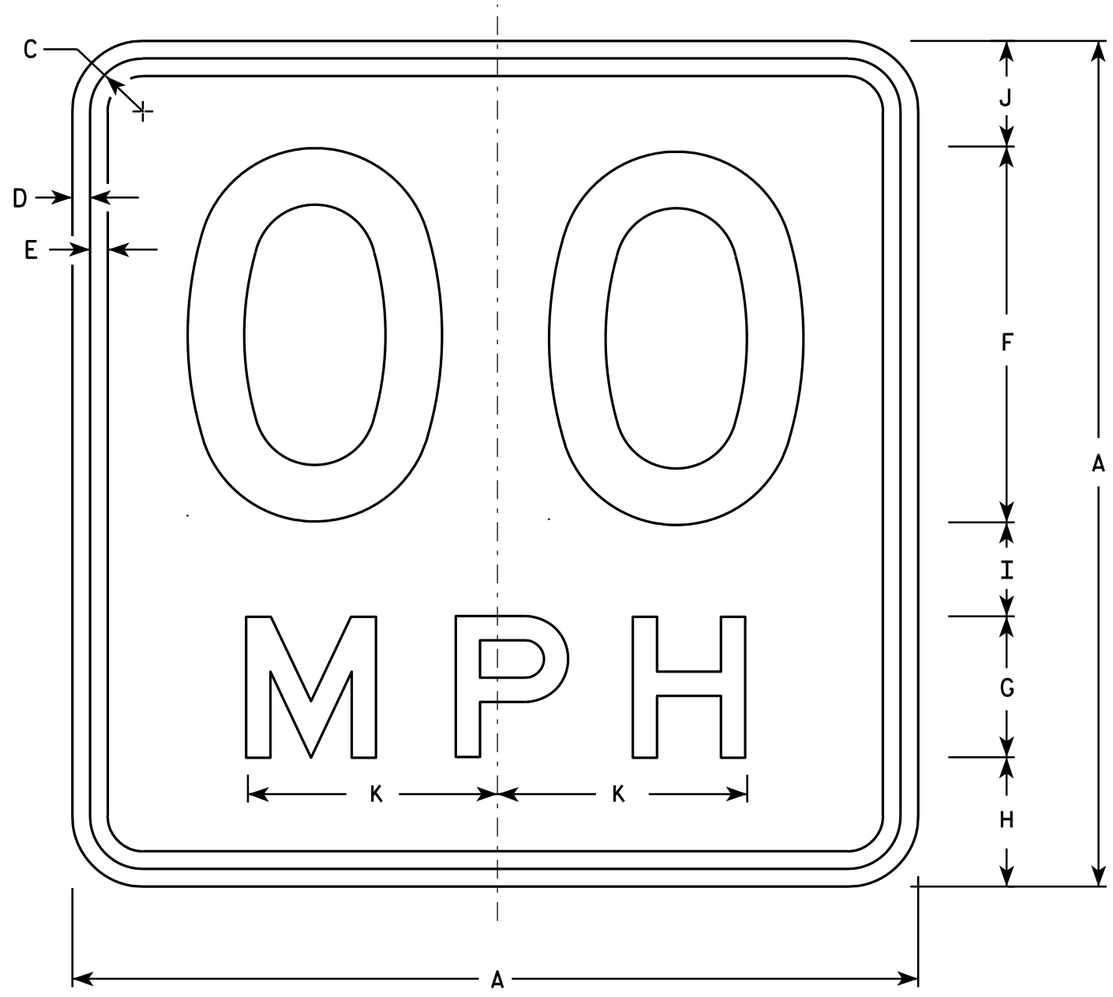
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/11 PLATE NO. W12-52.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 250 | E

7

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



W13-1

* For 30" x 30" Warning Signs, use 18" x 18" W13-1 signs.
For 36" x 36" Warning Signs, use 24" x 24" W13-1 signs.

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

	SIZE	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		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2S	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2M	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
	3	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	6 5/8																4.00
	4	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
	5	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00

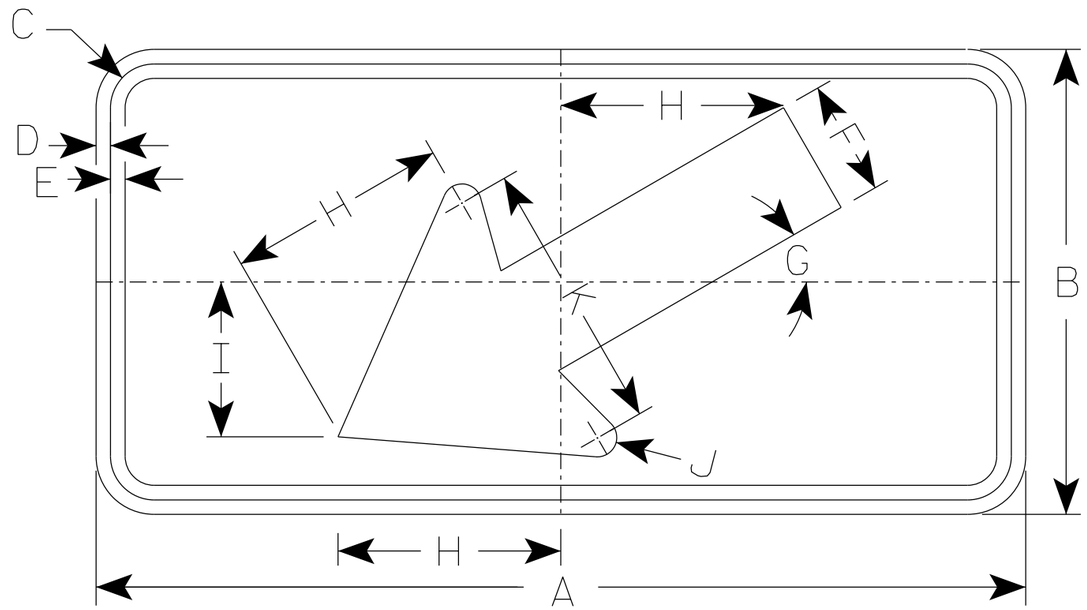
STANDARD SIGN
W13-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/31/12 PLATE NO. W13-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 251 | E



W16-7L

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. W16-7R is the same as W16-7L except the arrow is reversed along the vertical centerline.

* For 36" x 36" Warning Signs, use 30" x 18" W16-7L signs.
* For 48" x 48" Warning Signs, use 48" x 24" W16-7L signs.

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	3	30°	5 3/4	4	1/2	7																2.0
* 2M	30	18	1 1/8	3/8	1/2	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
* 3	30	18	1 1/8	3/8	1/2	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
* 4	48	24	1 3/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0
5																											

STANDARD SIGN
W16-7

WISCONSIN DEPT OF TRANSPORTATION

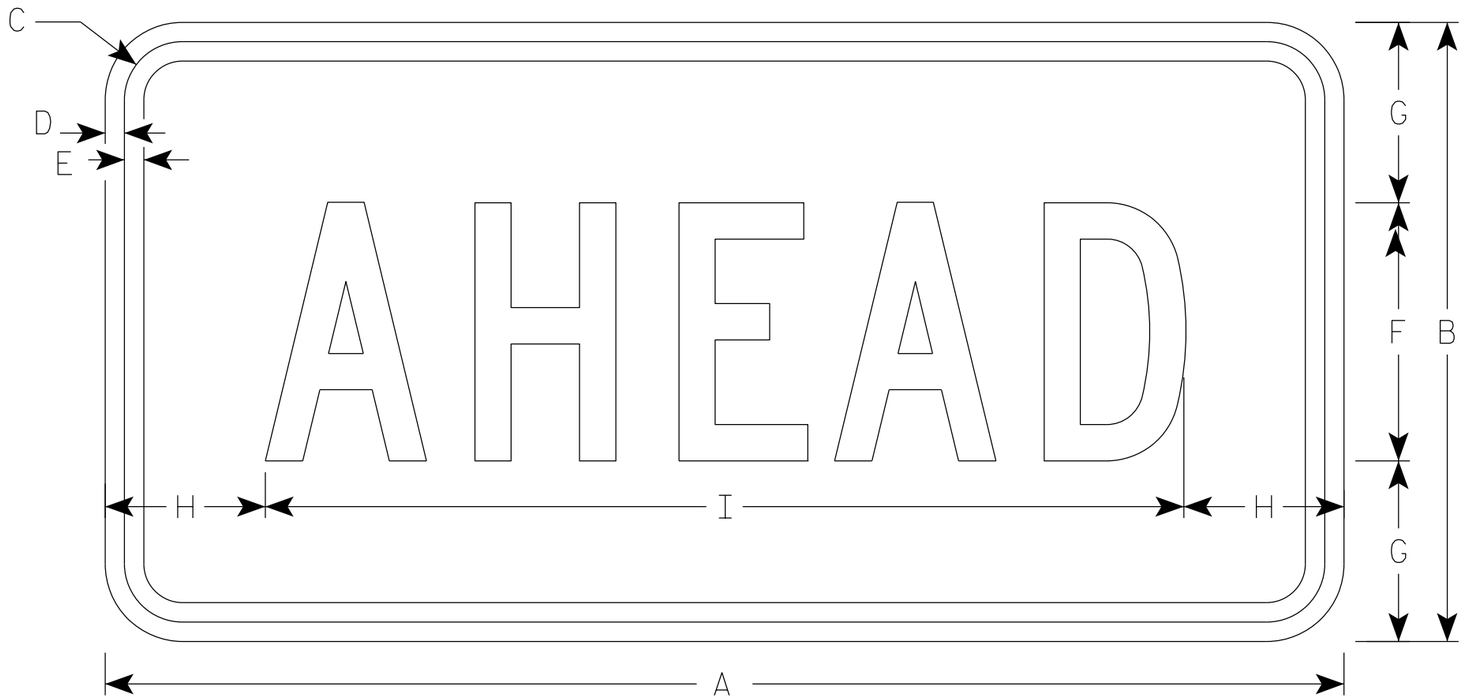
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/2021 PLATE NO. W16-7.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 252	E

NOTES

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



W16-9P

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	5	3 1/2	3 1/8	17 3/4																		2.0
2M	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
3	30	18	1 1/8	3/8	1/2	7	3 1/2	2 3/4	24 1/2																		3.75
4	48	24	1 3/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
5																											

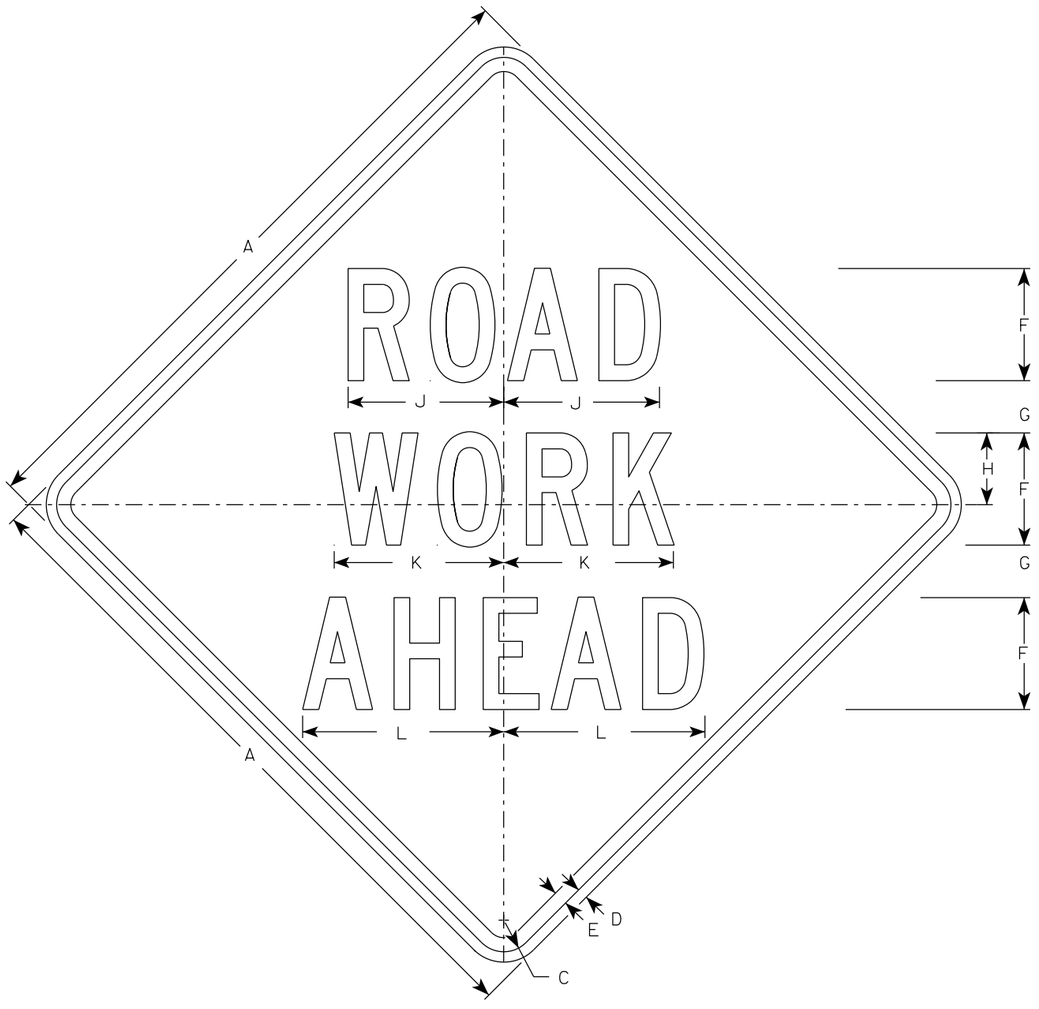
STANDARD SIGN
W16-9P

WISCONSIN DEPT OF TRANSPORTATION

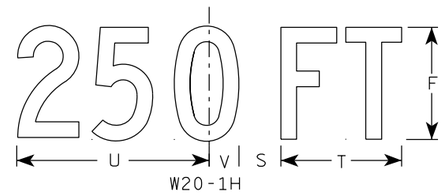
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/7/19 PLATE NO. W16-9P.7

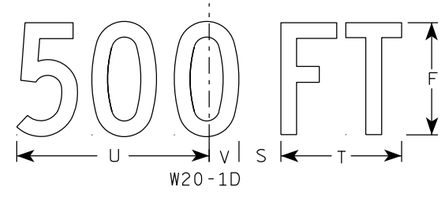
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 253 | E



W20-1A

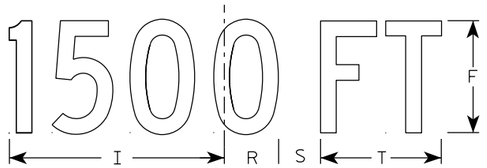


W20-1H



W20-1D

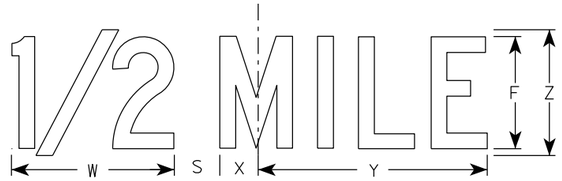
W20-1C



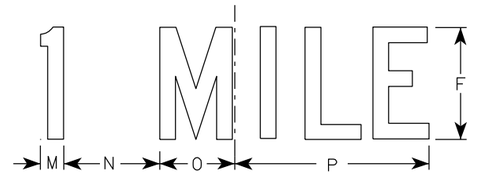
W20-1B

NOTES

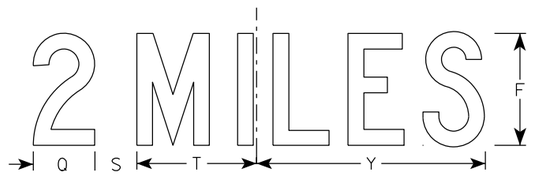
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1G



W20-1F



W20-1E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		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:

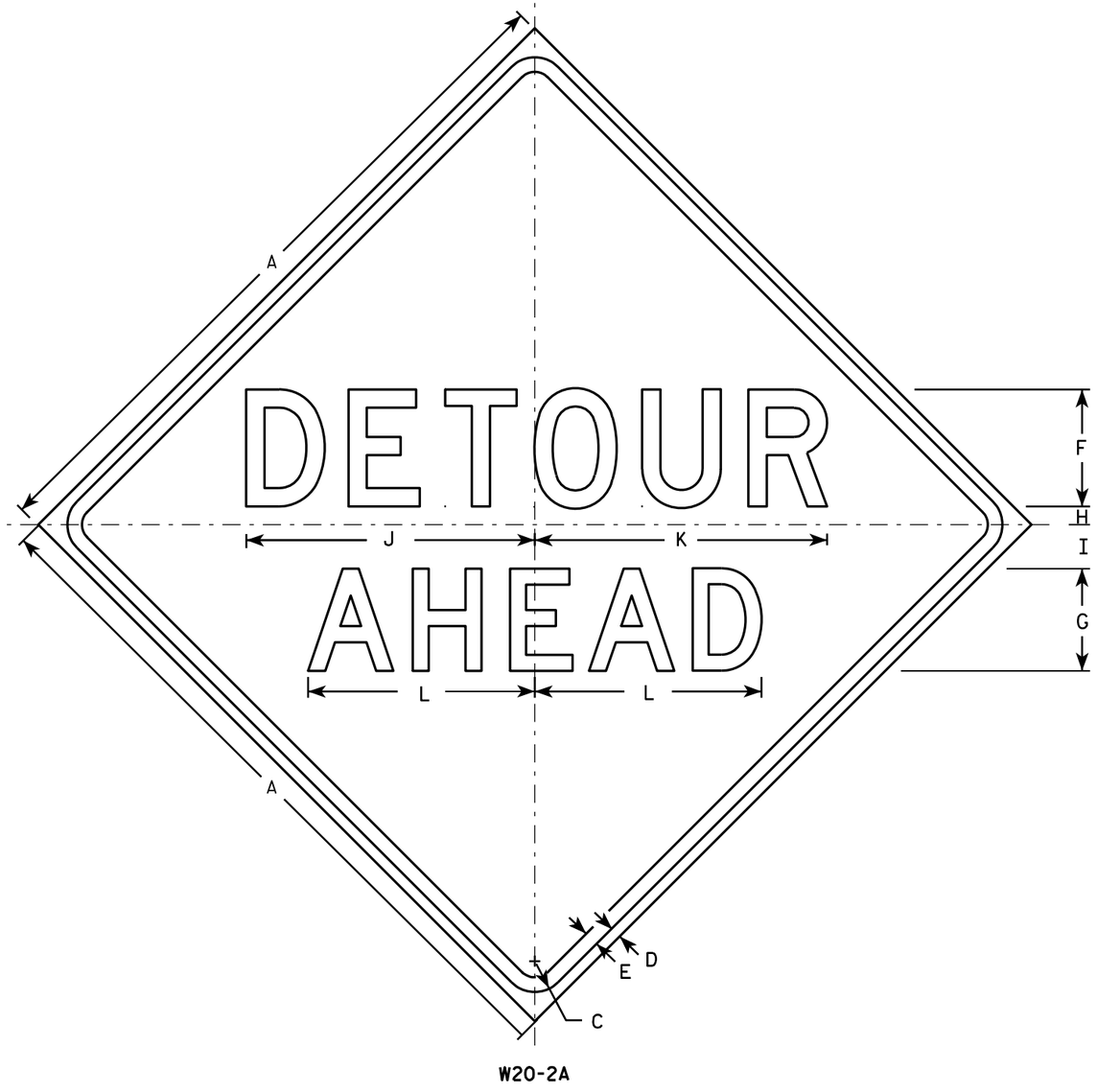
SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 25-MARCH-2020 PLOT BY : dotc4c

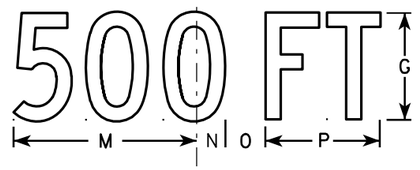
WISDOT/CADDS SHEET 42

7

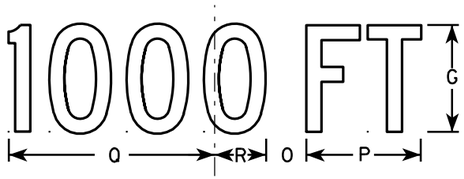
7



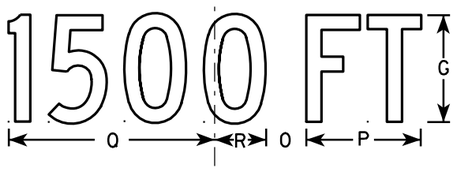
W20-2A



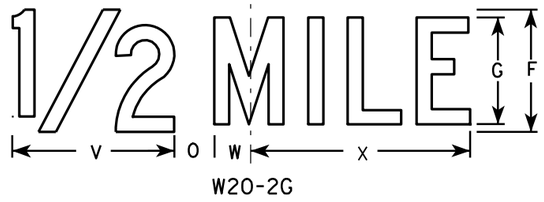
W20-2D



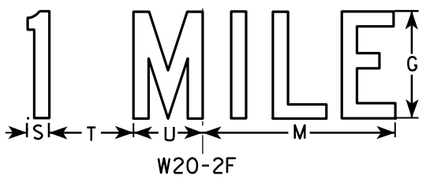
W20-2C



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

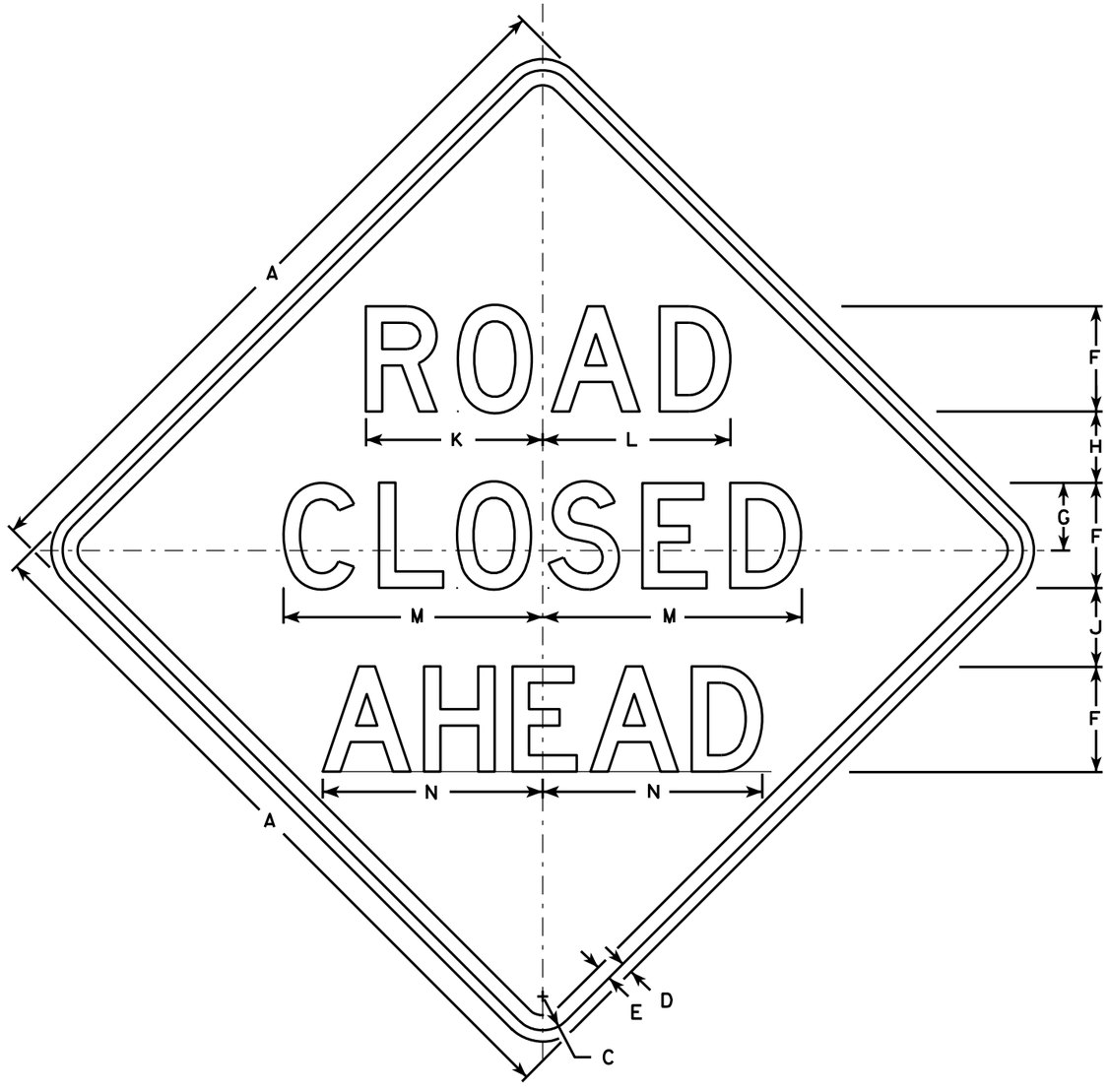
STANDARD SIGN
W20-2A,B,C,D,F & G

WISCONSIN DEPT OF TRANSPORTATION

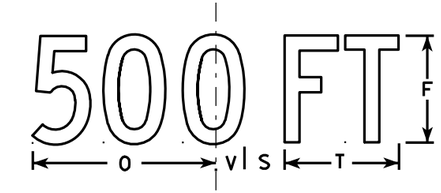
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-2.6

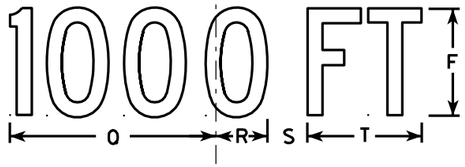
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 255	E



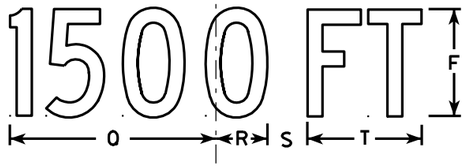
W20-3A



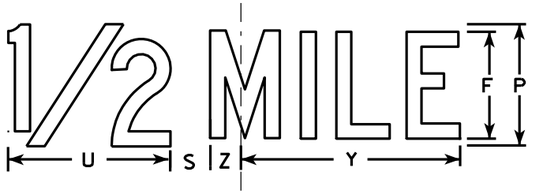
W20-3D



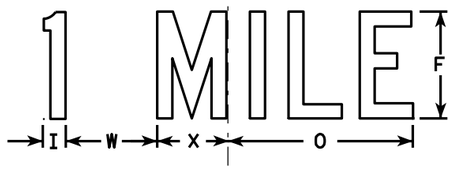
W20-3C



W20-3B



W20-3G



W20-3F

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.

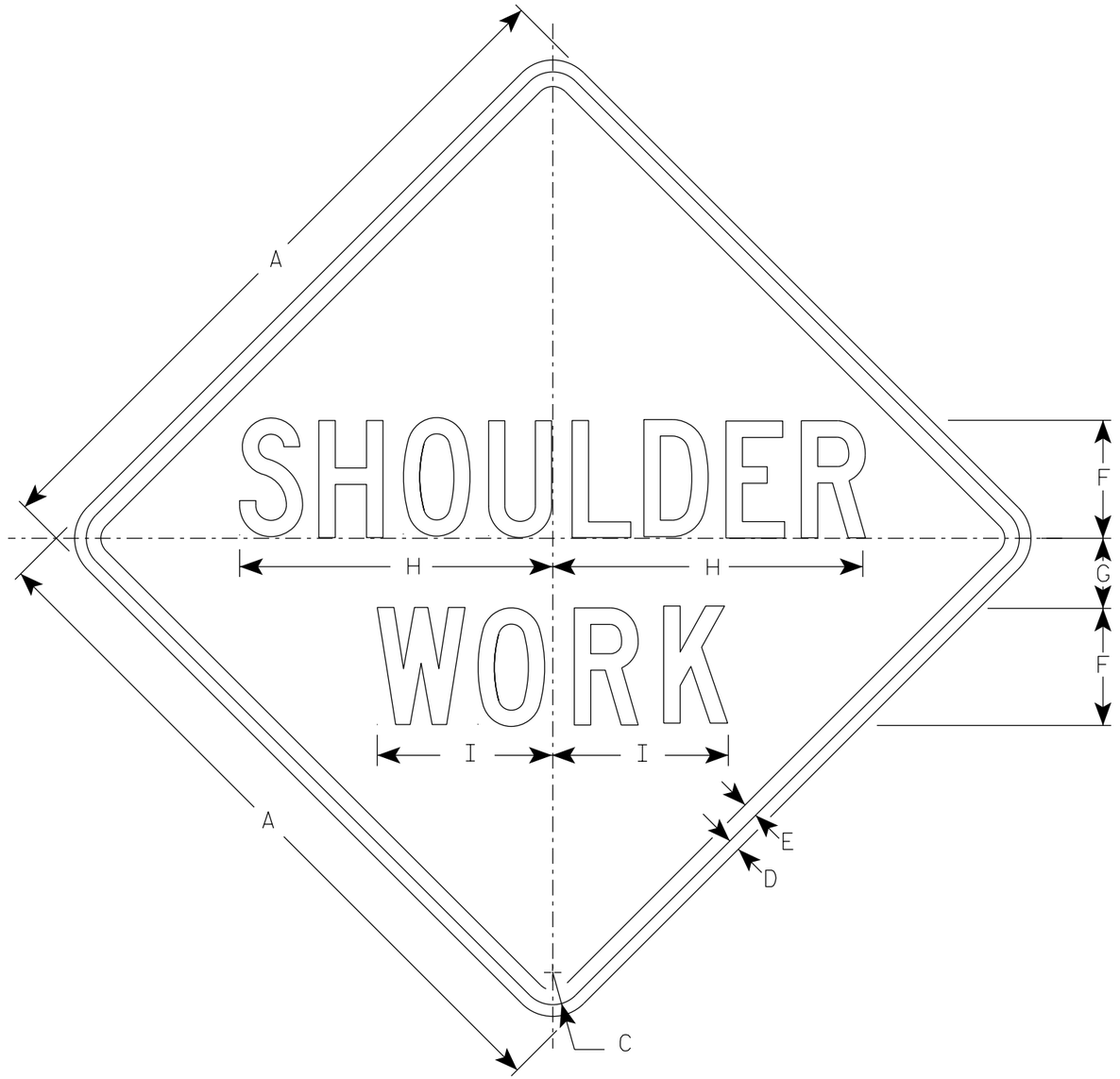
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	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

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: 256 | E



W21-5

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	3 1/2	16	9																		9.0
2S	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0
2M	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0
3	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0
4	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0
5	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0

STANDARD SIGN
W21-5

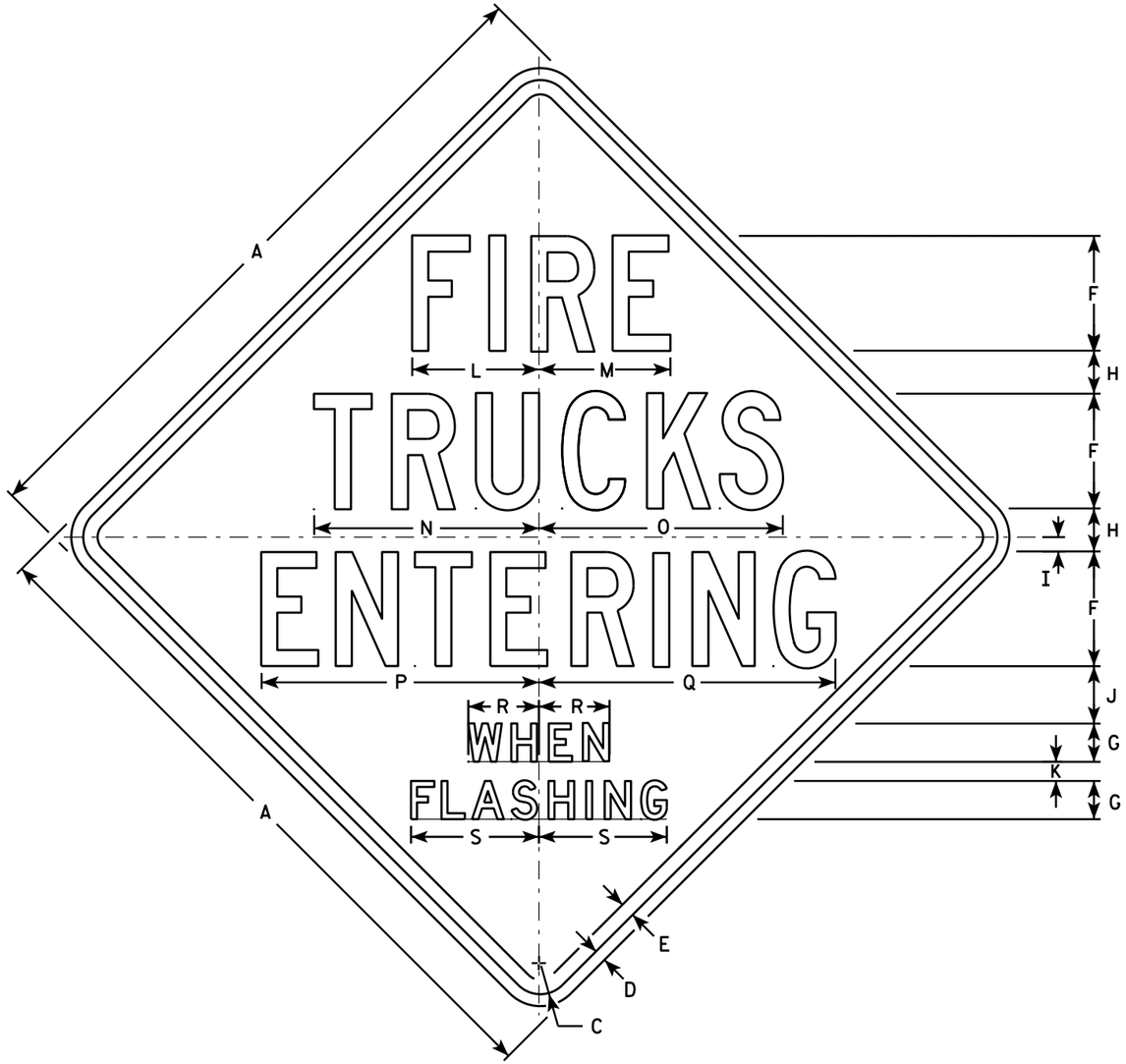
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/30/2020 PLATE NO. W21-5.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 257	E

7



W54-60

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. Message Series - Lines 1, 2, & 3 are Series C
   Lines 4 & 5 are 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	24		1 1/8	3/8	1/2	4	1 1/2	1 1/2	1/2	1 3/4	3/4	4 3/8	4 1/2	7 7/8	8 1/2	9 5/8	10 1/4	2 3/4	5								4.00
2S	36		1 5/8	5/8	3/4	6	2	2 1/4	3/4	3	1	6 5/8	6 7/8	11 3/4	12 3/4	14 1/2	15 1/2	3 3/4	6 3/4								9.00
2M	36		1 5/8	5/8	3/4	6	2	2 1/4	3/4	3	1	6 5/8	6 7/8	11 3/4	12 3/4	14 1/2	15 1/2	3 3/4	6 3/4								9.00
3	36		1 5/8	5/8	3/4	6	2	2 1/4	3/4	3	1	6 5/8	6 7/8	11 3/4	12 3/4	14 1/2	15 1/2	3 3/4	6 3/4								9.00
4																											
5																											

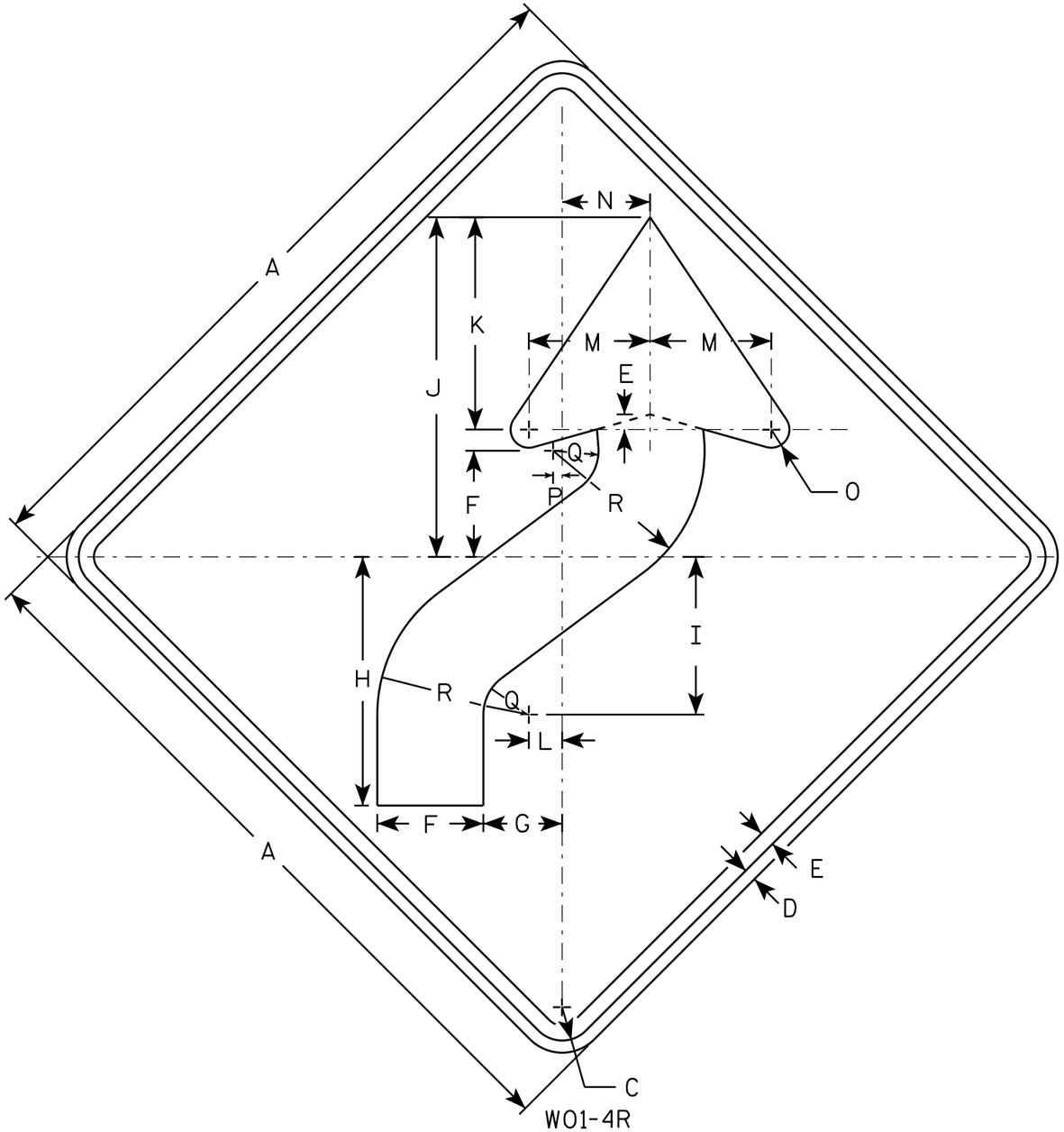
STANDARD SIGN
W54-60

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/27/16 PLATE NO. W54.60.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



W01-4R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W01-4L is the same as W01-4R except the arrow is reversed along the vertical centerline.

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 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
2S	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
2M	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
3	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
4	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
5	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0

STANDARD SIGN
W01-4

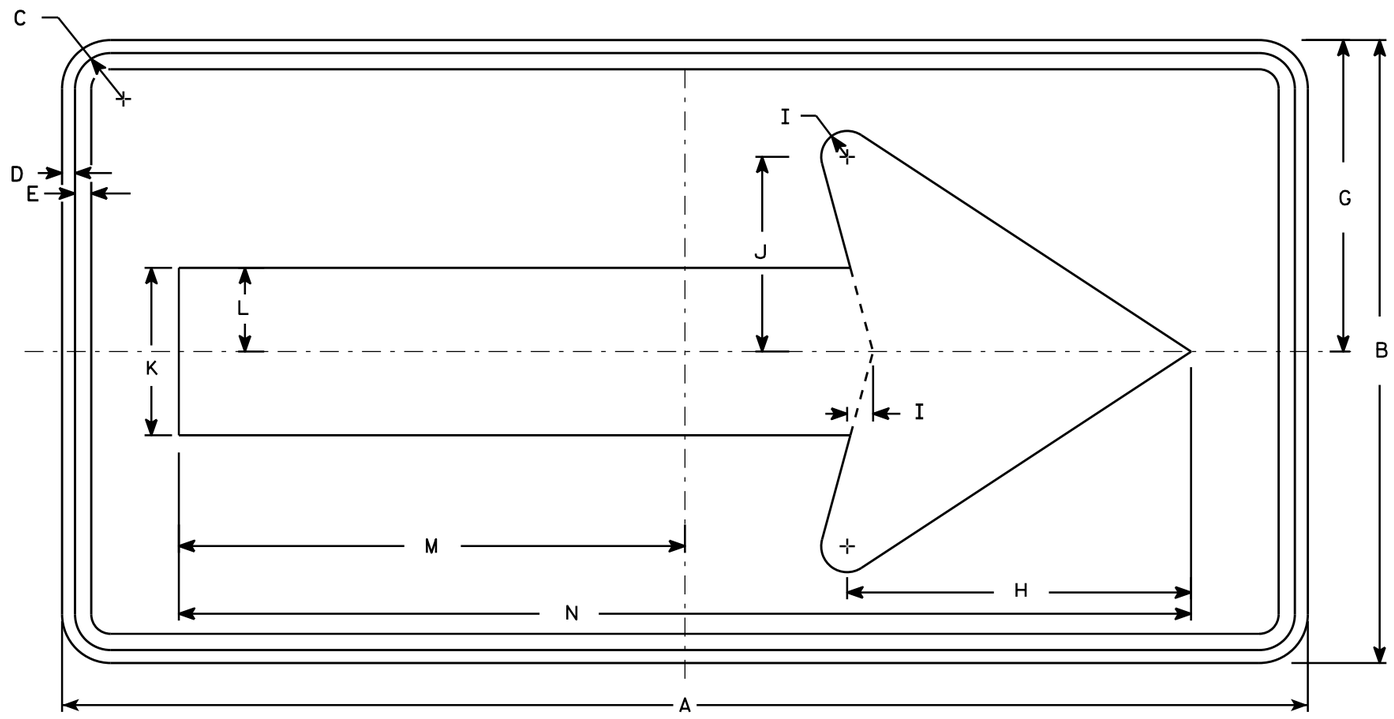
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO W01-4.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W014.DGN PLOT DATE : 28-FEB-2014 11:35 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.755110:1.000000
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

DIVISION -- STH 153

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT	EXPANDED FILL	MASS ORDINATE
							1.00	1.25	
					NOTE 1	NOTE 3	NOTE 1		
72+50	7250.00	0.00	9.23	0.40	0	0	0	0	0
72+72.7	7272.70	22.70	9.87	0.00	8	0	8	0	8
73+00	7300.00	27.30	9.10	0.51	10	0	18	0	18
73+50	7350.00	50.00	11.53	0.03	19	0	37	0	37
73+65.6	7365.60	15.60	12.75	0.00	7	0	44	0	44
74+00	7400.00	34.40	15.87	0.00	18	0	62	0	62
74+25.3	7425.30	25.30	15.69	0.00	15	0	77	0	77
74+50	7450.00	24.70	16.21	0.00	15	0	92	0	92
75+00	7500.00	50.00	17.81	0.00	31	0	123	0	123
75+20.5	7520.50	20.50	11.91	0.00	11	0	134	0	134
75+50	7550.00	29.50	21.98	0.00	19	0	153	0	153
75+87.7	7587.70	37.70	17.81	0.00	28	0	181	0	181
76+00	7600.00	12.30	10.18	0.54	6	0	187	0	187
76+24.5	7624.50	24.50	16.51	0.00	12	0	199	0	199
76+50	7650.00	25.50	14.57	0.07	15	0	214	0	214
77+00	7700.00	50.00	8.53	0.93	21	1	235	1	234
77+20.9	7720.90	20.90	15.77	0.00	9	0	244	1	243
77+50	7750.00	29.10	13.10	0.00	16	0	260	1	259
78+00	7800.00	50.00	8.37	0.70	20	1	280	3	278
78+50	7850.00	50.00	5.47	4.87	13	5	293	9	284
79+00	7900.00	50.00	11.75	0.04	16	5	309	15	294
79+17.1	7917.10	17.10	12.01	0.00	8	0	317	15	302
79+50	7950.00	32.90	8.01	0.08	12	0	329	15	314
80+00	8000.00	50.00	7.62	1.00	14	1	343	16	327
80+50	8050.00	50.00	8.51	0.64	15	2	358	19	339
81+00	8100.00	50.00	8.81	0.84	16	1	374	20	354
81+25.9	8125.90	25.90	11.26	0.00	10	0	384	20	364
81+50	8150.00	24.10	12.42	0.00	11	0	395	20	375
81+54.7	8154.70	4.70	11.54	0.01	2	0	397	20	377
82+00	8200.00	45.30	5.29	3.58	14	3	411	24	387
82+50	8250.00	50.00	7.62	0.00	12	3	423	28	396
82+55.8	8255.80	5.80	8.13	0.00	2	0	425	28	398
83+00	8300.00	44.20	6.67	0.18	12	0	437	28	410
83+46.1	8346.10	46.10	6.14	1.34	11	1	448	29	419
83+50	8350.00	3.90	5.91	1.01	1	0	449	29	420
84+00	8400.00	50.00	7.28	0.14	12	1	461	30	431
84+03.5	8403.50	3.50	6.79	0.23	1	0	462	30	432
84+50	8450.00	46.50	9.21	0.36	14	1	476	31	445
85+00	8500.00	50.00	13.97	0.00	21	0	497	31	466
85+50	8550.00	50.00	11.70	0.68	24	1	521	33	489
85+68.4	8568.40	18.40	14.49	0.01	9	0	530	33	498
86+00	8600.00	31.60	10.30	0.52	15	0	545	33	513
86+50	8650.00	50.00	8.37	0.84	17	1	562	34	528
87+00	8700.00	50.00	5.83	2.76	13	3	575	38	538
87+27.6	8727.60	27.60	11.83	0.00	9	1	584	39	545
87+50	8750.00	22.40	7.42	2.61	8	1	592	40	552
88+00	8800.00	50.00	7.39	1.08	14	3	606	44	562
88+27.2	8827.20	27.20	10.54	0.06	9	1	615	45	570

CONTINUED ON NEXT PAGE

Notes:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME

CONTINUED FROM PREVIOUS PAGE

DIVISION -- STH 153

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT	EXPANDED FILL	MASS ORDINATE
							1.00	1.25	
					NOTE 1	NOTE 3	NOTE 1		
88+50	8850.00	22.80	9.16	0.28	8	0	623	45	578
88+80.8	8880.80	30.80	15.47	0.00	14	0	637	45	592
89+00	8900.00	19.20	10.04	0.20	9	0	646	45	601
89+34.1	8934.10	34.10	11.76	0.00	14	0	660	45	615
89+50	8950.00	15.90	10.36	0.18	7	0	667	45	622
89+60.1	8960.10	10.10	12.56	0.00	4	0	671	45	626
90+00	9000.00	39.90	16.01	0.00	21	0	692	45	647
90+50	9050.00	50.00	16.24	0.00	30	0	722	45	677
91+00	9100.00	50.00	13.31	0.00	27	0	749	45	704
91+07.3	9107.30	7.30	13.11	0.00	4	0	753	45	708
91+50	9150.00	42.70	10.86	0.05	19	0	772	45	727
92+00	9200.00	50.00	12.13	0.00	21	0	793	45	748
92+50	9250.00	50.00	10.22	0.17	21	0	814	45	769
93+00	9300.00	50.00	8.51	2.40	17	2	831	48	784
93+50	9350.00	50.00	8.50	0.93	16	3	847	51	796
93+97.3	9397.30	47.30	10.26	0.03	16	1	863	53	811
94+00	9400.00	2.70	10.20	0.04	1	0	864	53	812
94+50	9450.00	50.00	10.98	0.01	20	0	884	53	832
94+69.8	9469.80	19.80	9.60	0.10	8	0	892	53	840
95+00	9500.00	30.20	15.12	0.00	14	0	906	53	854
95+35.5	9535.50	35.50	15.98	0.00	20	0	926	53	874
95+50	9550.00	14.50	14.91	0.00	8	0	934	53	882
96+00	9600.00	50.00	11.80	0.00	25	0	959	53	907
96+08.3	9608.30	8.30	11.49	0.06	4	0	963	53	911
96+50	9650.00	41.70	13.18	0.00	19	0	982	53	930
96+65.7	9665.70	15.70	14.12	0.00	8	0	990	53	938
97+00	9700.00	34.30	12.60	0.00	17	0	1,007	53	955
97+35	9735.00	35.00	13.78	0.00	17	0	1,024	53	972
97+50	9750.00	15.00	12.97	0.00	7	0	1,031	53	979
97+99.3	9799.30	49.30	10.64	0.00	22	0	1,053	53	1,001
98+00	9800.00	0.70	10.69	0.00	0	0	1,053	53	1,001
98+50	9850.00	50.00	6.17	3.84	16	4	1,069	58	1,012
99+00	9900.00	50.00	13.18	0.00	18	4	1,087	63	1,025
99+08.9	9908.90	8.90	12.18	0.00	4	0	1,091	63	1,029
99+50	9950.00	41.10	19.01	0.00	24	0	1,115	63	1,053
99+68.3	9968.30	18.30	16.47	0.00	12	0	1,127	63	1,065
100+00	10000.00	31.70	9.90	0.20	15	0	1,142	63	1,080
100+25.5	10025.50	25.50	13.26	0.00	11	0	1,153	63	1,091
100+50	10050.00	24.50	8.29	0.45	10	0	1,163	63	1,101
100+80.9	10080.90	30.90	12.95	0.00	12	0	1,175	63	1,113
				TOTALS	1,175	50			

Notes:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME

DIVISION -- CURB RETURN-RANGE LINE-153-NW

STATION	REAL STATION	DISTANCE	AREA (SF)		NCREMENTAL VOL (CY) (UNADJUSTED		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
					NOTE 1	NOTE 3	NOTE 1		NOTE 8
00+00	0.0	0.0	8.0	0.1	0	0	0	0	0
00+12.5	12.5	12.5	9.1	0.3	4	0	4	0	4
00+25	25.0	12.5	15.5	0.1	6	0	10	0	10
00+37.5	37.5	12.5	18.6	0.1	8	0	18	0	18
00+50	50.0	12.5	18.9	0.6	9	0	27	0	27
00+62.5	62.5	12.5	12.4	1.3	7	0	34	0	34
00+75	75.0	12.5	11.2	0.0	5	0	39	0	39
00+87.5	87.5	12.5	9.3	0.0	5	0	44	0	44
01+00	100.0	12.5	7.4	0.0	4	0	48	0	48
01+05.05	105.1	5.1	6.7	0.0	1	0	49	0	49
				TOTALS	49	0			

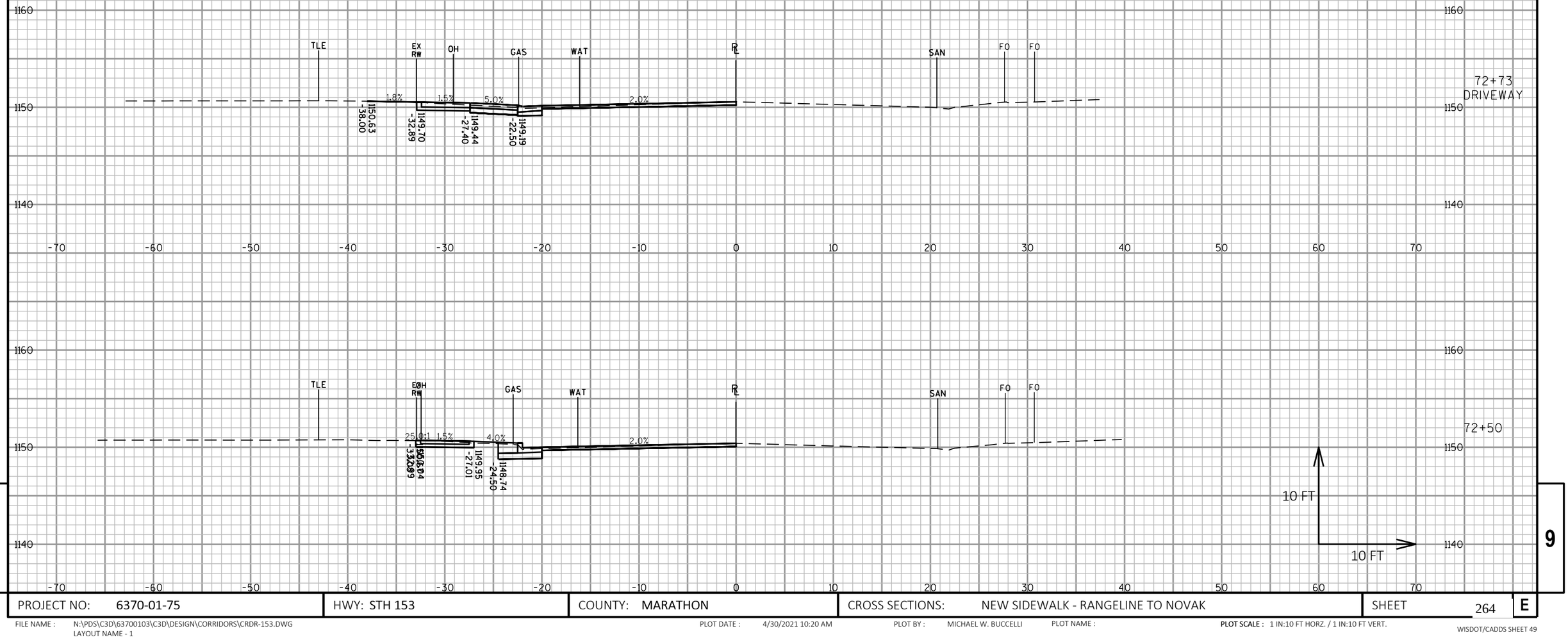
DIVISION -- CURB RETURN-RANGE LINE-B-SE

STATION	REAL STATION	DISTANCE	AREA (SF)		NCREMENTAL VOL (CY) (UNADJUSTED		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
					NOTE 1	NOTE 3	NOTE 1		NOTE 8
00+00	0.0	0.0	9.3	0.0	0	0	0	0	0
00+12.5	12.5	12.5	8.8	0.0	4	0	4	0	4
00+25	25.0	12.5	11.0	0.0	5	0	9	0	9
00+37.5	37.5	12.5	21.1	0.0	7	0	16	0	16
00+50	50.0	12.5	27.0	0.0	11	0	27	0	27
00+62.5	62.5	12.5	26.5	0.0	12	0	39	0	39
00+75	75.0	12.5	17.9	0.0	10	0	49	0	49
00+87.5	87.5	12.5	13.4	0.0	7	0	56	0	56
01+00	100.0	12.5	10.1	0.0	5	0	61	0	61
01+05.4	105.4	5.4	8.8	0.0	2	0	63	0	63
				TOTALS	63	0			

Notes:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME

9

9



9

9

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CROSS SECTIONS: NEW SIDEWALK - RANGELINE TO NOVAK	SHEET 264 E

FILE NAME : N:\PDS\C3D\63700103\C3D\DESIGN\CORRIDORS\CRDR-153.DWG
LAYOUT NAME - 1

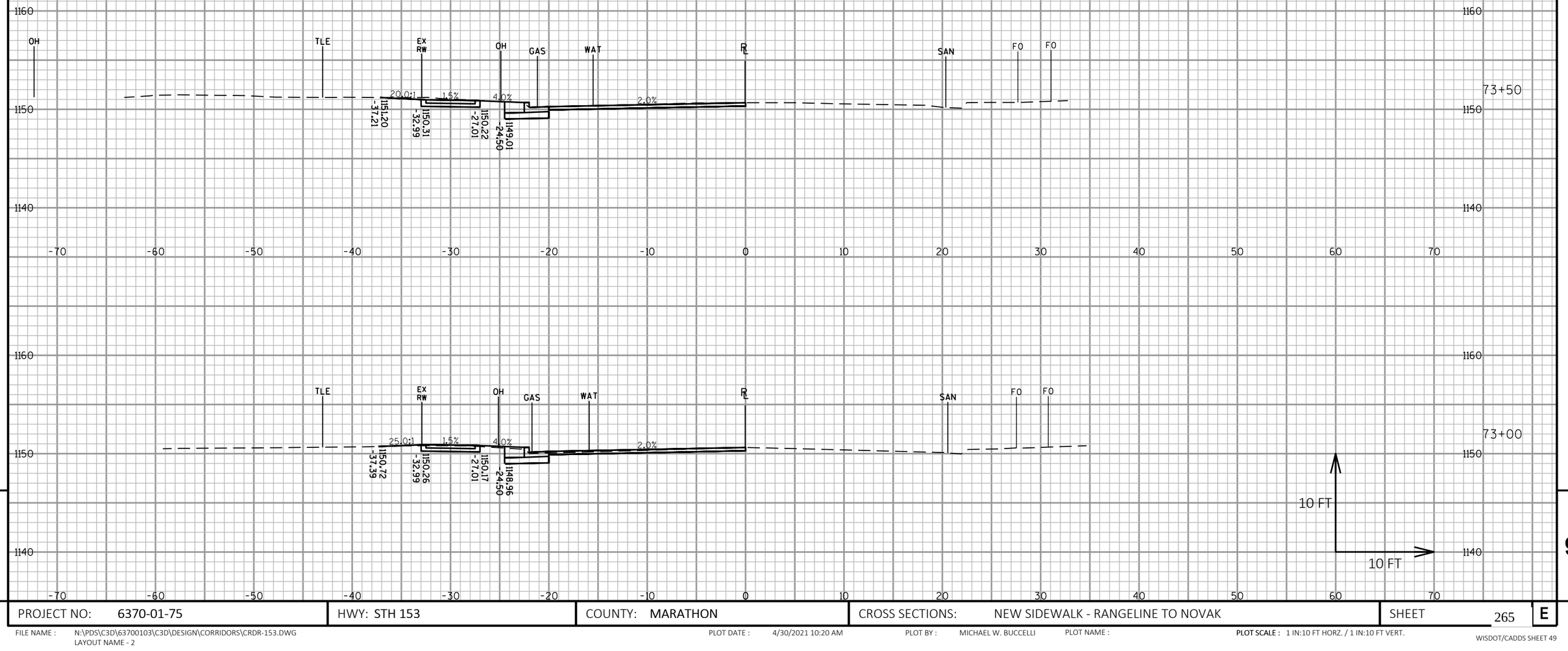
PLOT DATE : 4/30/2021 10:20 AM

PLOT BY : MICHAEL W. BUCCELLI

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CROSS SECTIONS: NEW SIDEWALK - RANGELINE TO NOVAK	SHEET 265 E

FILE NAME : N:\PDS\C3D\63700103\C3D\DESIGN\CORRIDORS\CRDR-153.DWG
LAYOUT NAME - 2

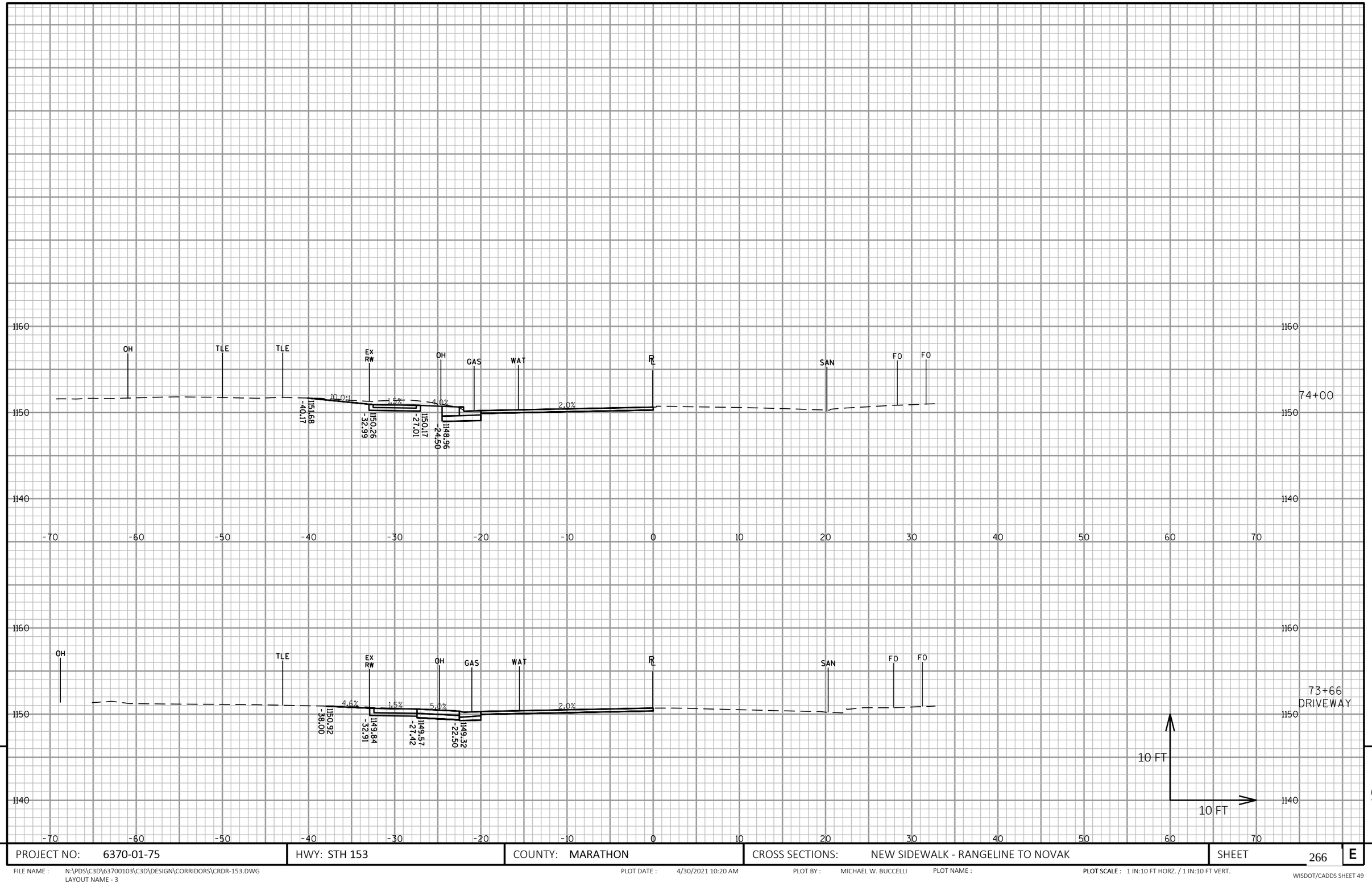
PLOT DATE : 4/30/2021 10:20 AM

PLOT BY : MICHAEL W. BUCCELLI

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

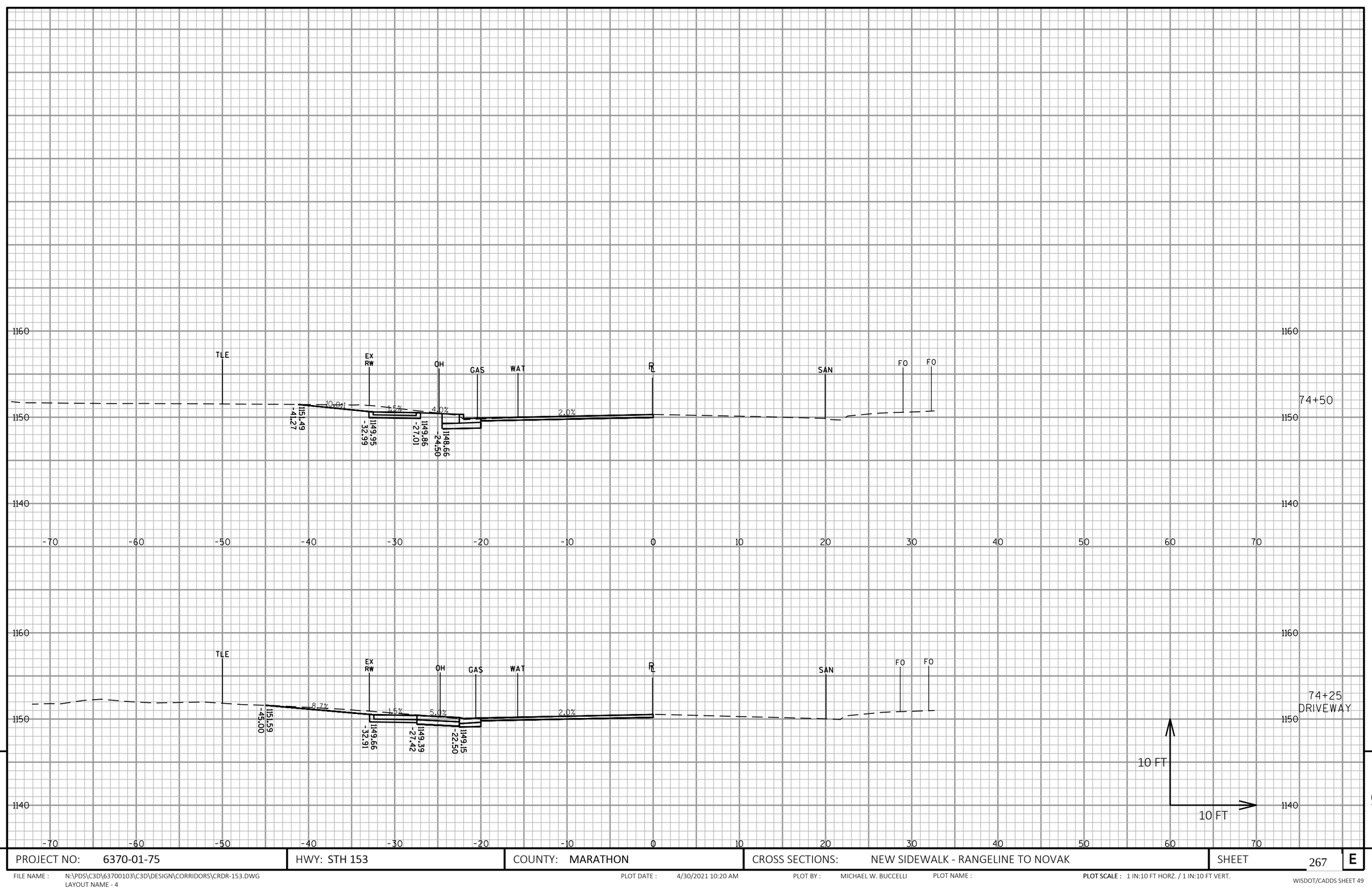
9

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CROSS SECTIONS: NEW SIDEWALK - RANGELINE TO NOVAK	SHEET 266 E

FILE NAME : N:\PDS\C3D\63700103\C3D\DESIGN\CORRIDORS\CRDR-153.DWG
LAYOUT NAME - 3

PLOT DATE : 4/30/2021 10:20 AM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

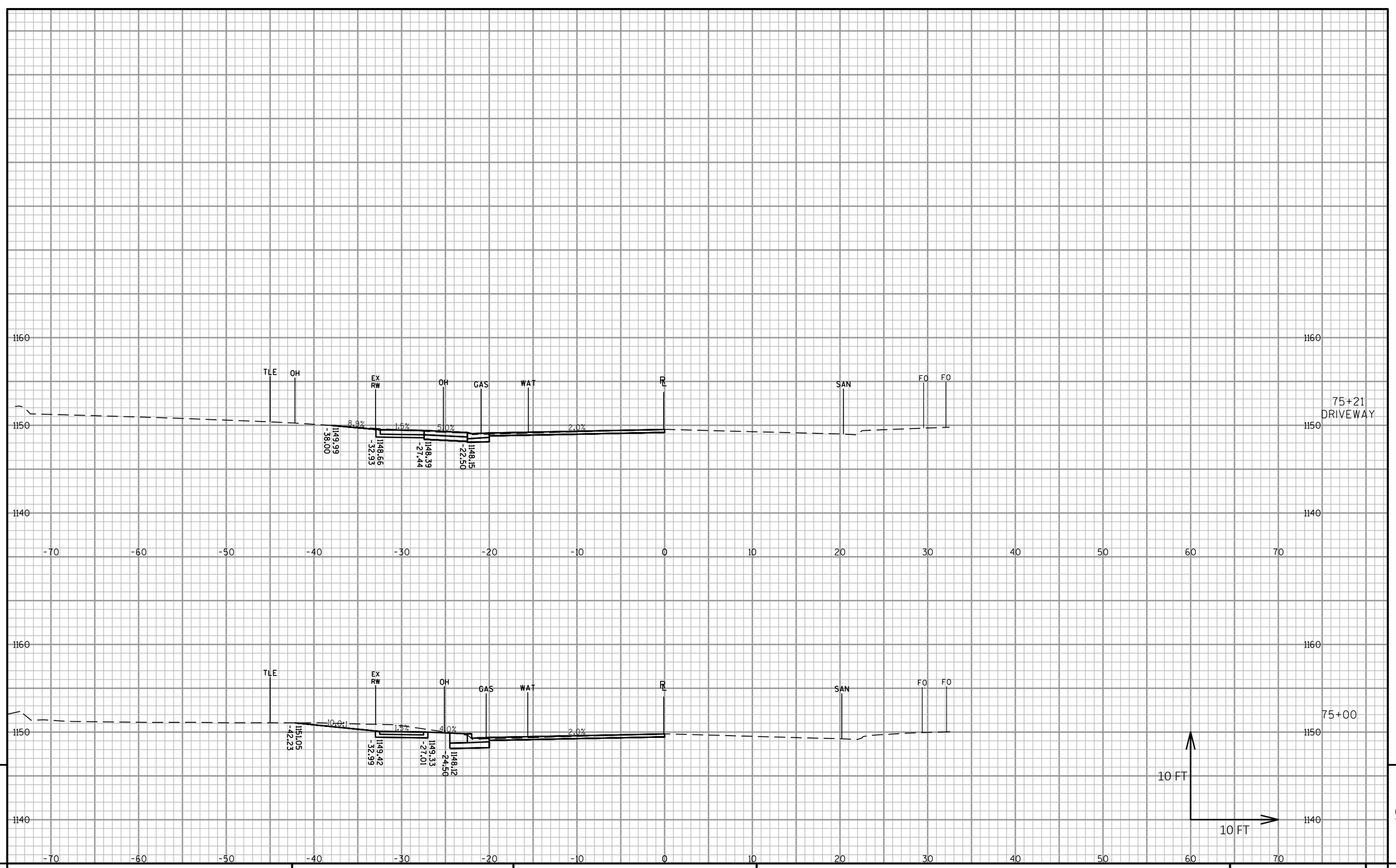
9

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CROSS SECTIONS: NEW SIDEWALK - RANGELINE TO NOVAK	SHEET 267 E

FILE NAME : N:\PDS\C3D\63700103\C3D\DESIGN\CORRIDORS\CRDR-153.DWG
LAYOUT NAME - 4

PLOT DATE : 4/30/2021 10:20 AM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CROSS SECTIONS: NEW SIDEWALK - RANGELINE TO NOVAK	SHEET 268 E

FILE NAME : N:\PDS\C3D\63700103\C3D\DESIGN\CORRIDORS\CRDR-153.DWG
LAYOUT NAME - 5

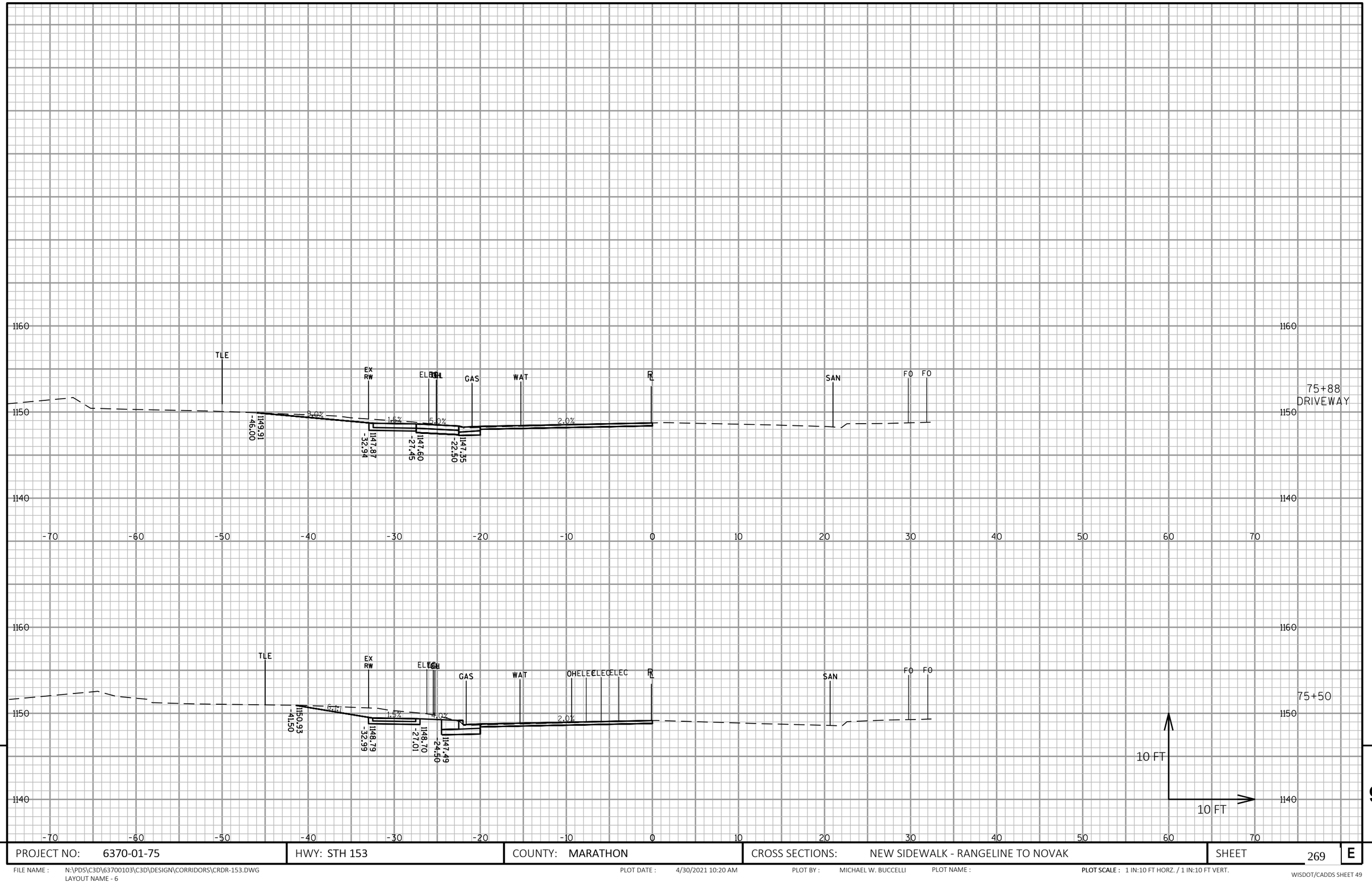
PLOT DATE : 4/30/2021 10:20 AM

PLOT BY : MICHAEL W. BUCCELLI

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

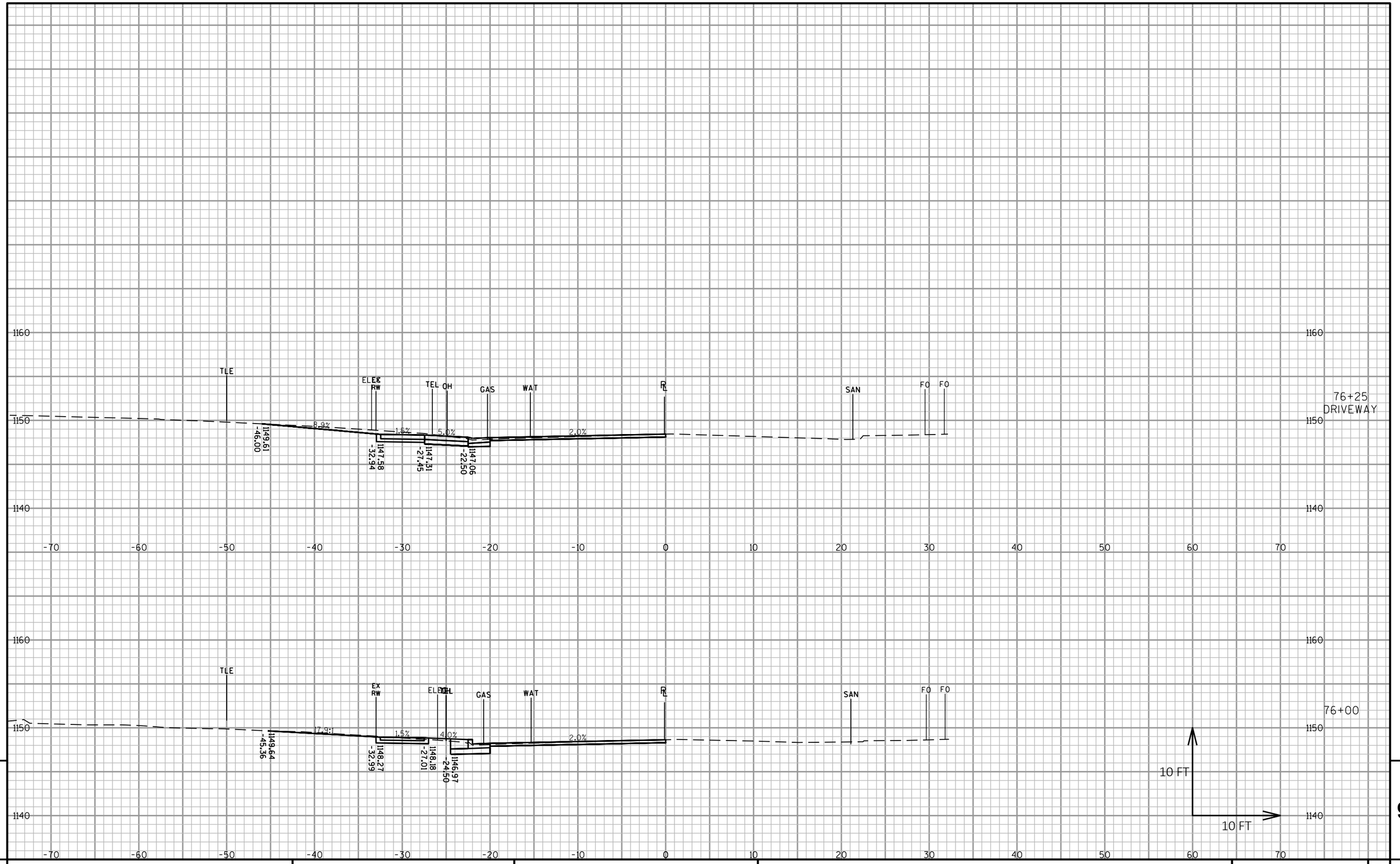


PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CROSS SECTIONS: NEW SIDEWALK - RANGELINE TO NOVAK	SHEET 269 E

FILE NAME : N:\PDS\C3D\63700103\C3D\DESIGN\CORRIDORS\CRDR-153.DWG
LAYOUT NAME - 6

PLOT DATE : 4/30/2021 10:20 AM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CROSS SECTIONS: NEW SIDEWALK - RANGELINE TO NOVAK	SHEET 270 E

FILE NAME : N:\PDS\C3D\63700103\C3D\DESIGN\CORRIDORS\CRDR-153.DWG
LAYOUT NAME - 7

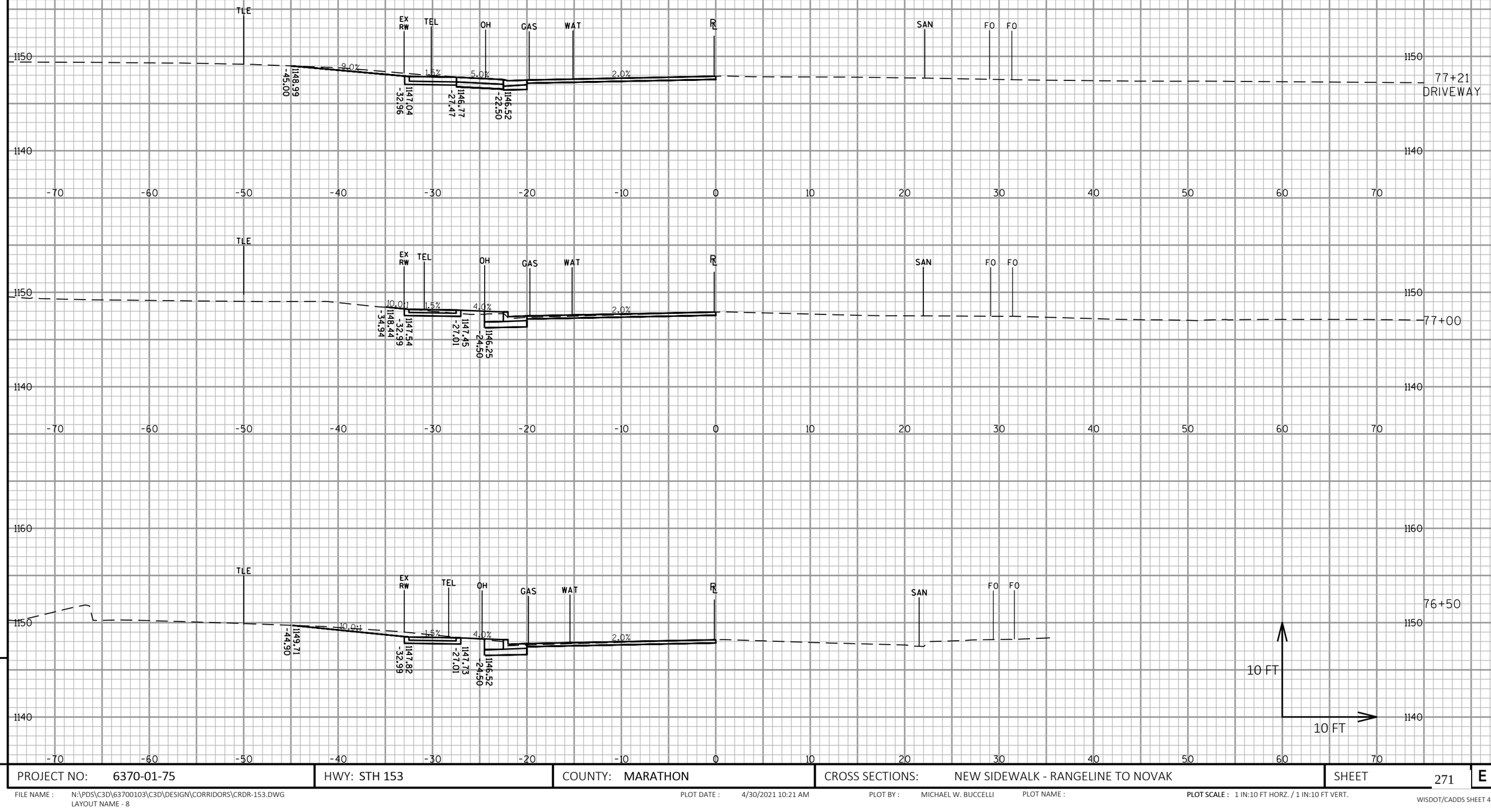
PLOT DATE : 4/30/2021 10:21 AM

PLOT BY : MICHAEL W. BUCCELLI

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CROSS SECTIONS: NEW SIDEWALK - RANGELINE TO NOVAK	SHEET 271 E

FILE NAME : N:\PDS\C3D\63700103\C3D\DESIGN\CORRIDORS\CRDR-153.DWG
LAYOUT NAME - 8

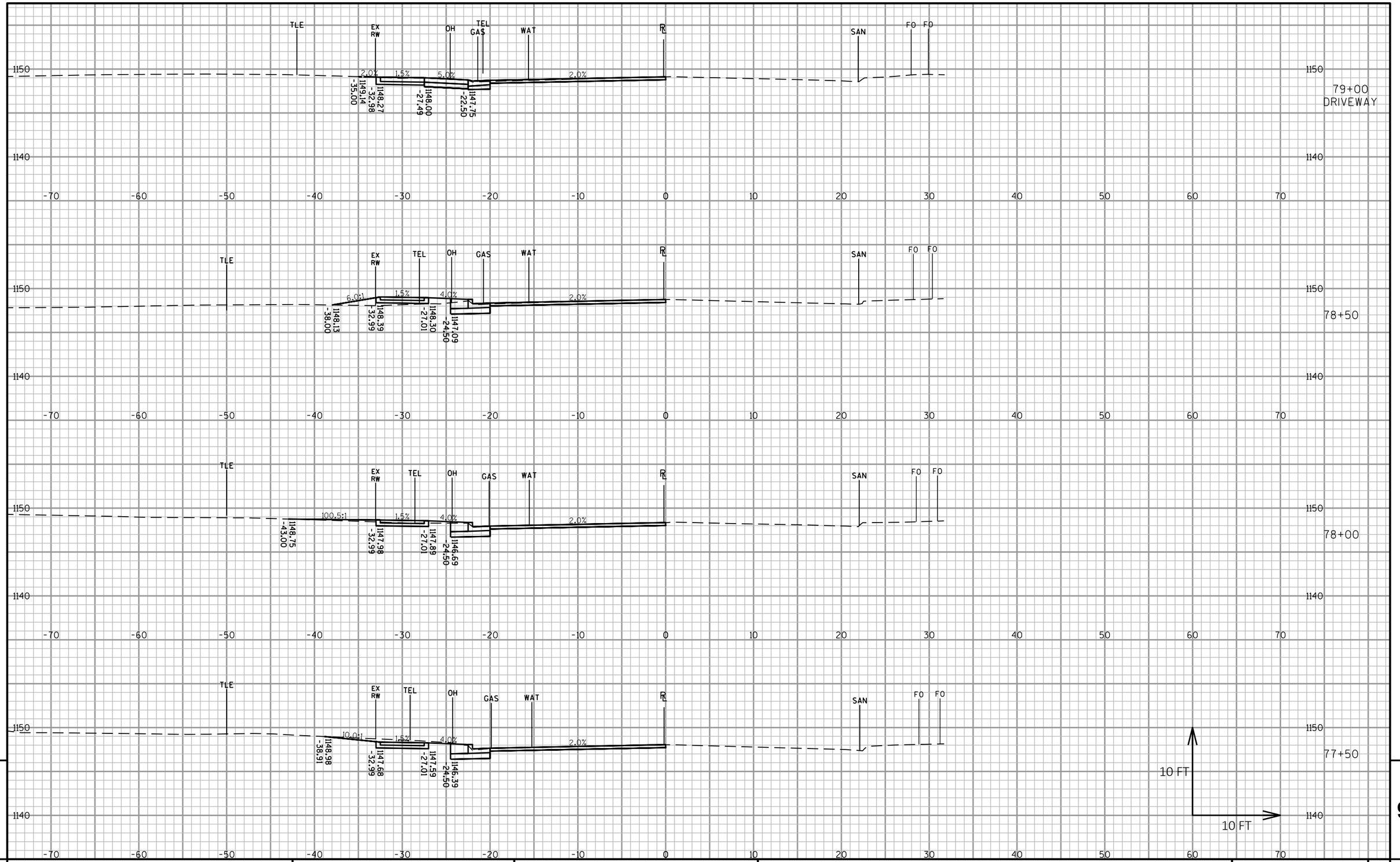
PLOT DATE : 4/30/2021 10:21 AM

PLOT BY : MICHAEL W. BUCCELLI

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

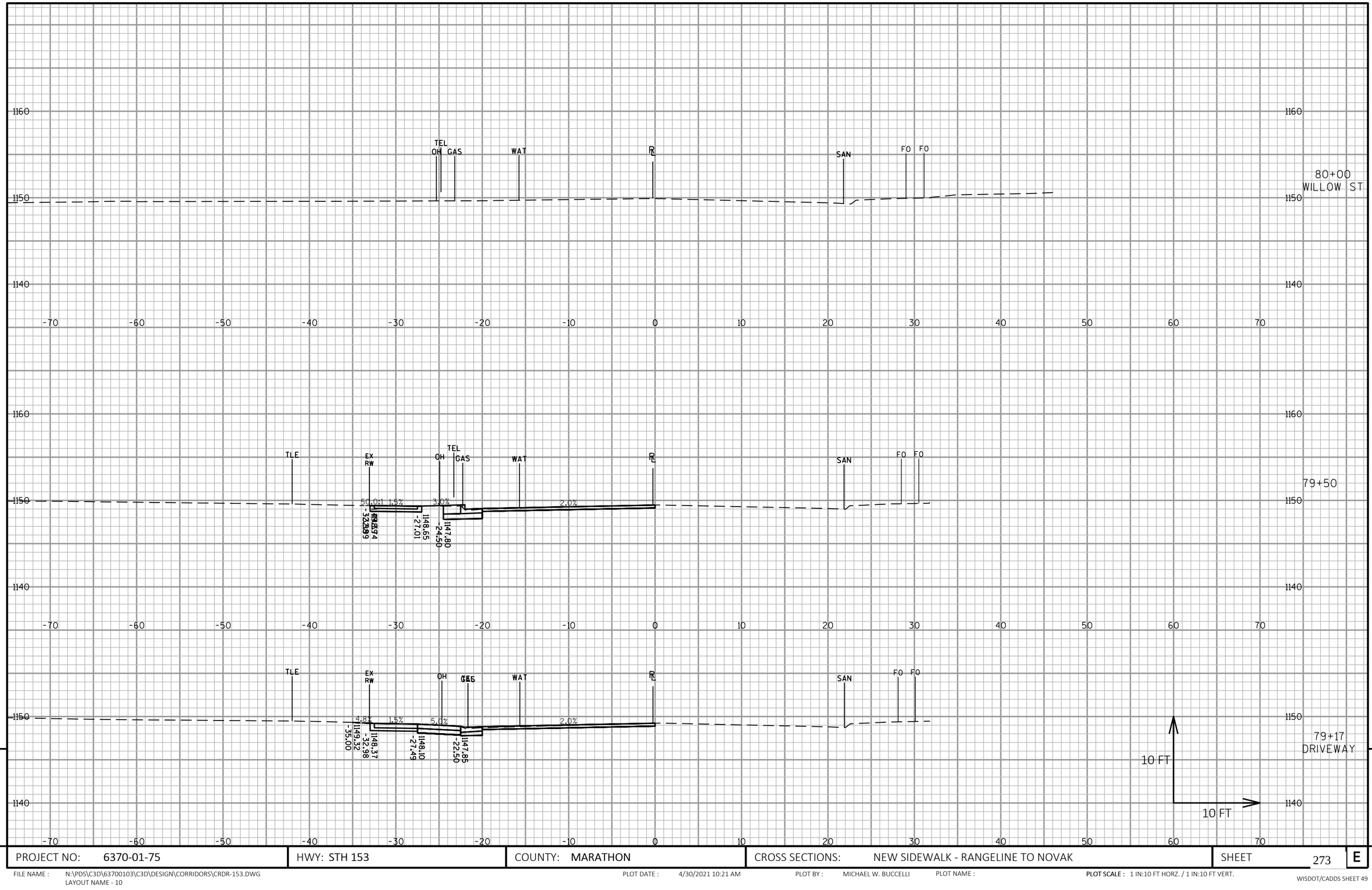
9

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CROSS SECTIONS: NEW SIDEWALK - RANGELINE TO NOVAK	SHEET 272	E

FILE NAME : N:\PDS\C3D\63700103\C3D\DESIGN\CORRIDORS\CRDR-153.DWG
LAYOUT NAME - 9

PLOT DATE : 4/30/2021 10:21 AM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

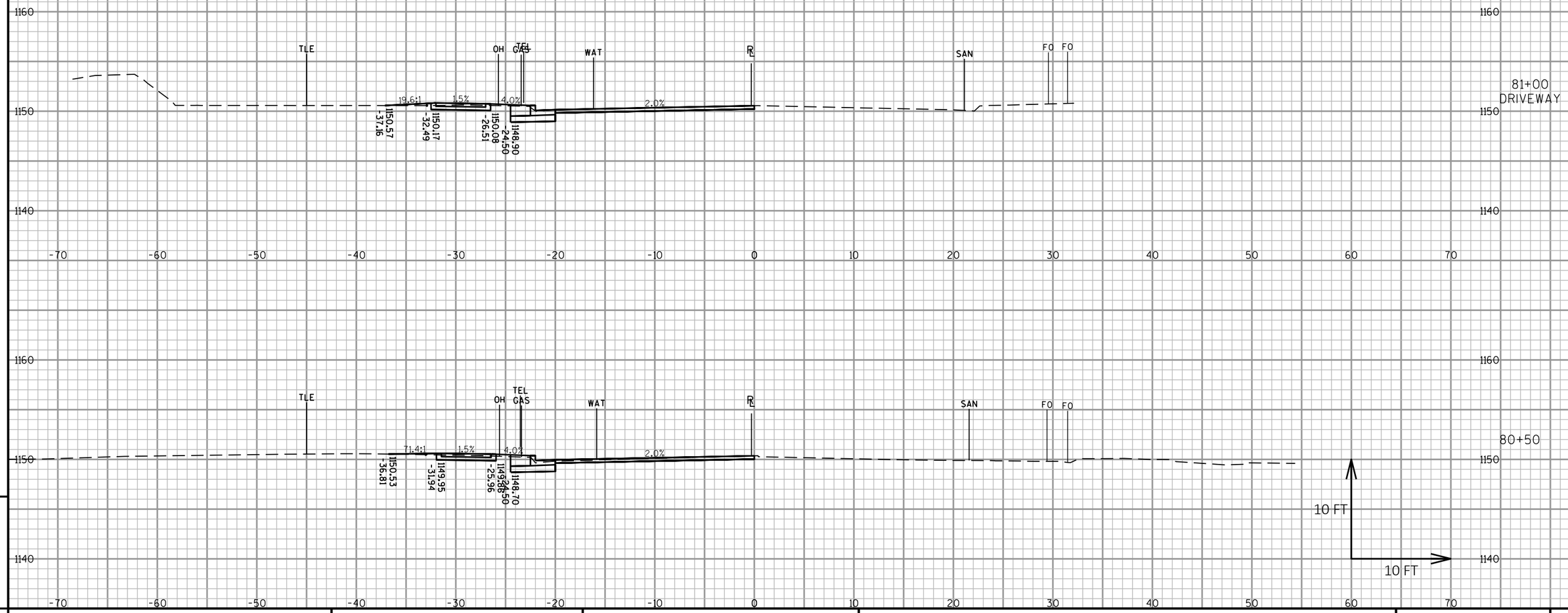


PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CROSS SECTIONS: NEW SIDEWALK - RANGELINE TO NOVAK	SHEET 273 E

FILE NAME : N:\PDS\C3D\63700103\C3D\DESIGN\CORRIDORS\CRDR-153.DWG
LAYOUT NAME - 10

PLOT DATE : 4/30/2021 10:21 AM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CROSS SECTIONS: NEW SIDEWALK - RANGELINE TO NOVAK	SHEET 274 E

FILE NAME : N:\PDS\C3D\63700103\C3D\DESIGN\CORRIDORS\CRDR-153.DWG
LAYOUT NAME - 11

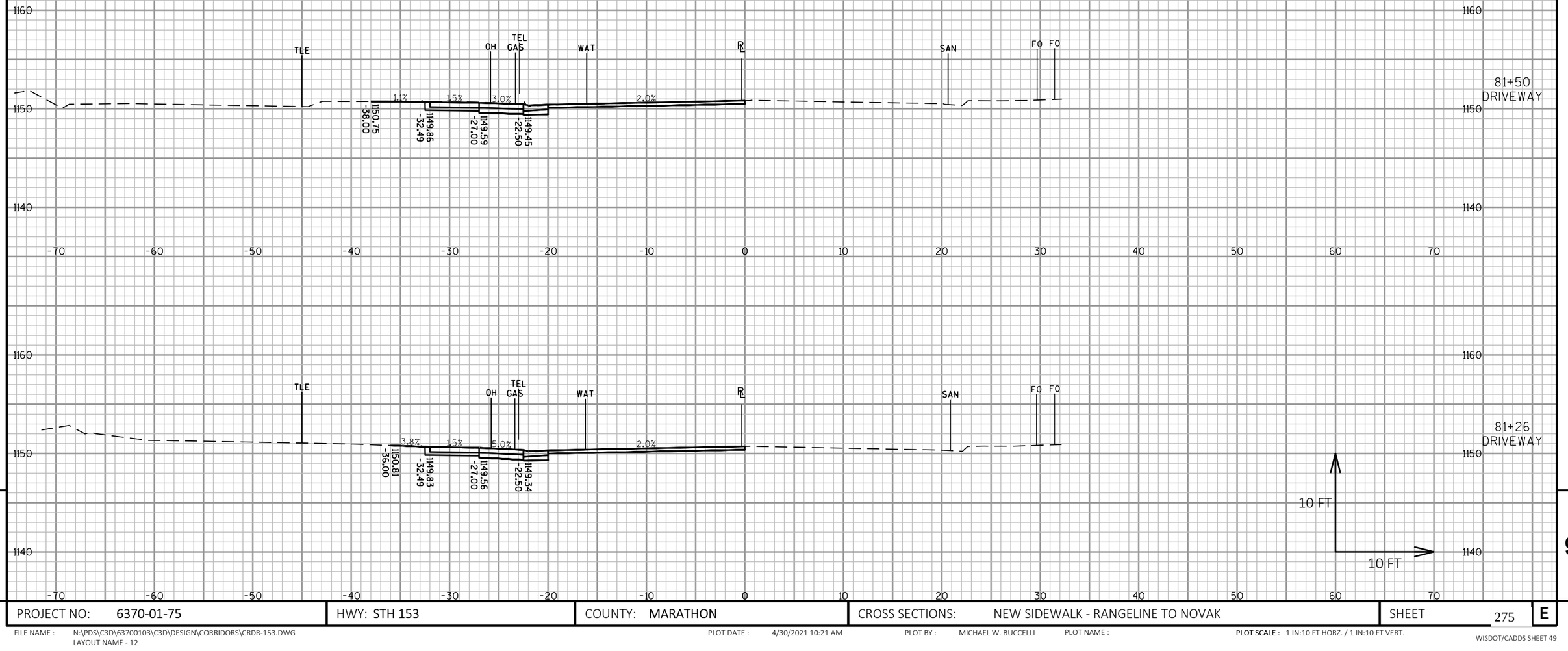
PLOT DATE : 4/30/2021 10:21 AM

PLOT BY : MICHAEL W. BUCCELLI

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

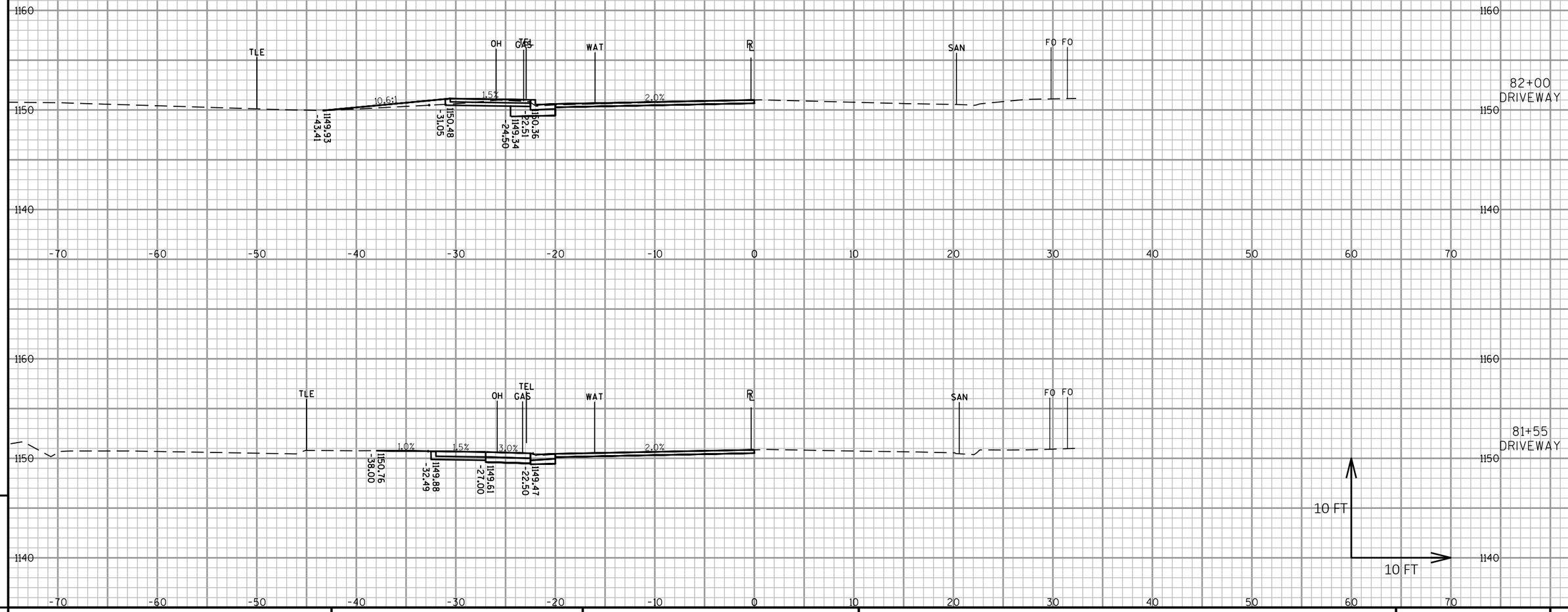
9

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CROSS SECTIONS: NEW SIDEWALK - RANGELINE TO NOVAK	SHEET 275 E

FILE NAME : N:\PDS\C3D\63700103\C3D\DESIGN\CORRIDORS\CRDR-153.DWG
LAYOUT NAME - 12

PLOT DATE : 4/30/2021 10:21 AM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

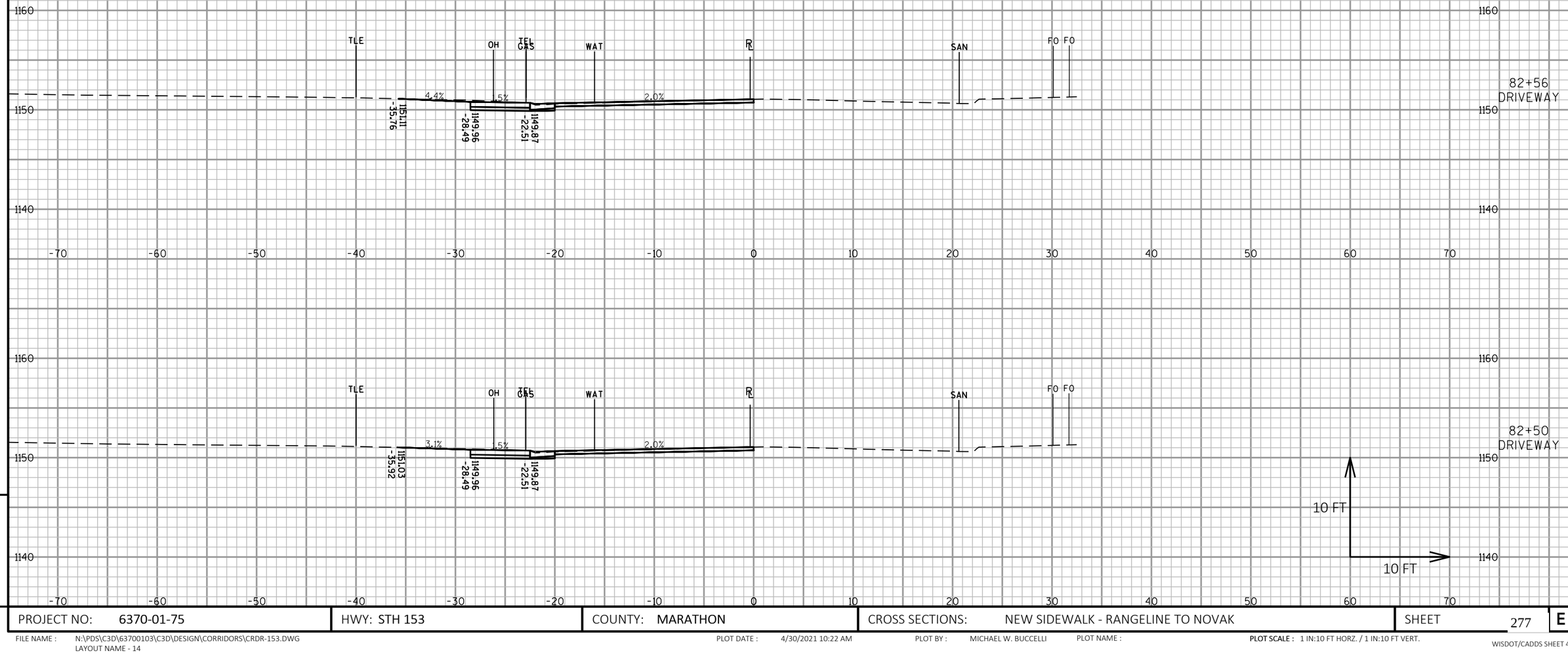
9

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CROSS SECTIONS: NEW SIDEWALK - RANGELINE TO NOVAK	SHEET 276 E

FILE NAME : N:\PDS\C3D\63700103\C3D\DESIGN\CORRIDORS\CRDR-153.DWG
LAYOUT NAME - 13

PLOT DATE : 4/30/2021 10:22 AM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

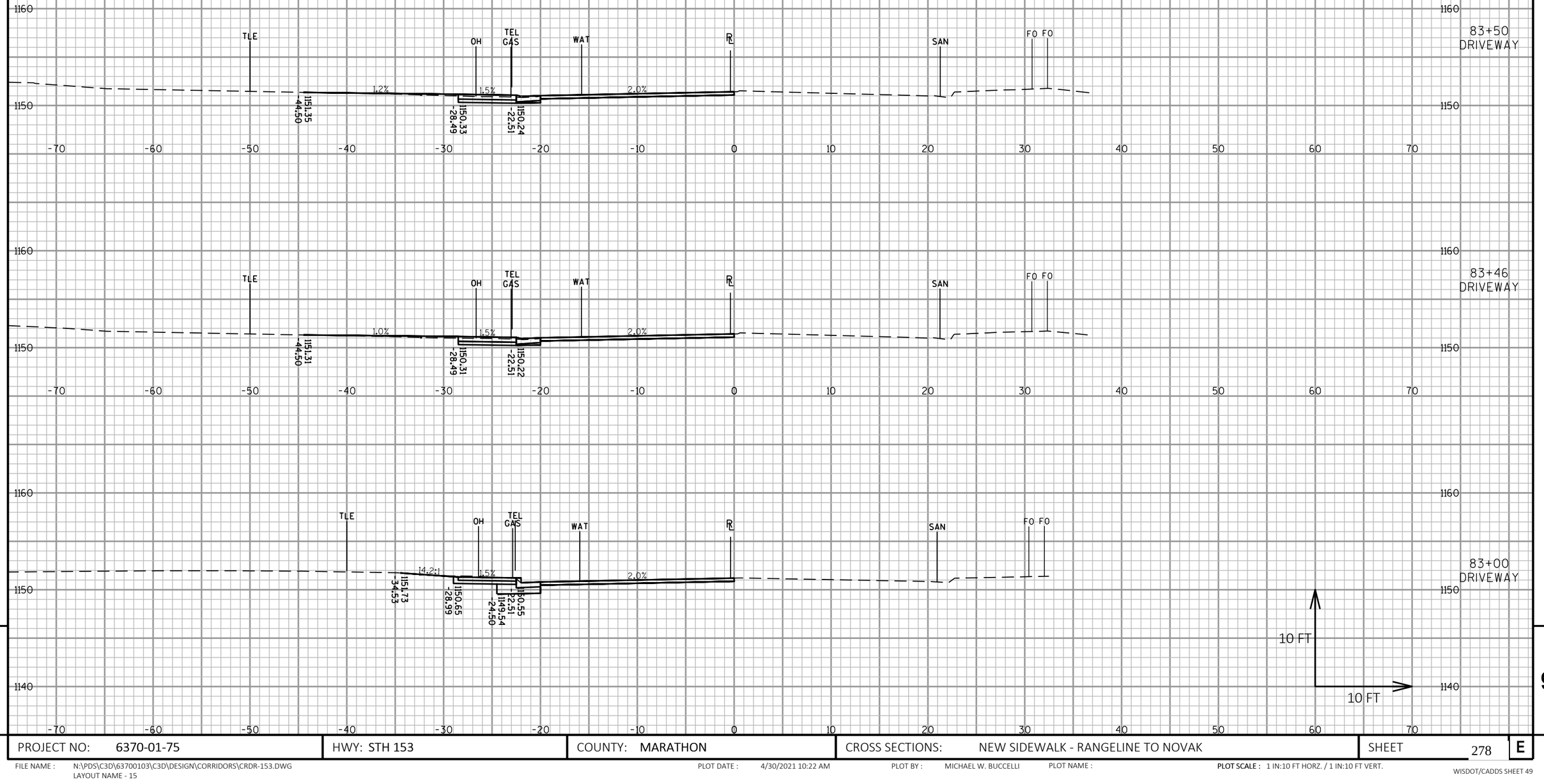
9

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CROSS SECTIONS: NEW SIDEWALK - RANGELINE TO NOVAK	SHEET 277 E

FILE NAME : N:\PDS\C3D\63700103\C3D\DESIGN\CORRIDORS\CRDR-153.DWG
LAYOUT NAME - 14

PLOT DATE : 4/30/2021 10:22 AM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CROSS SECTIONS: NEW SIDEWALK - RANGELINE TO NOVAK	SHEET 278 E

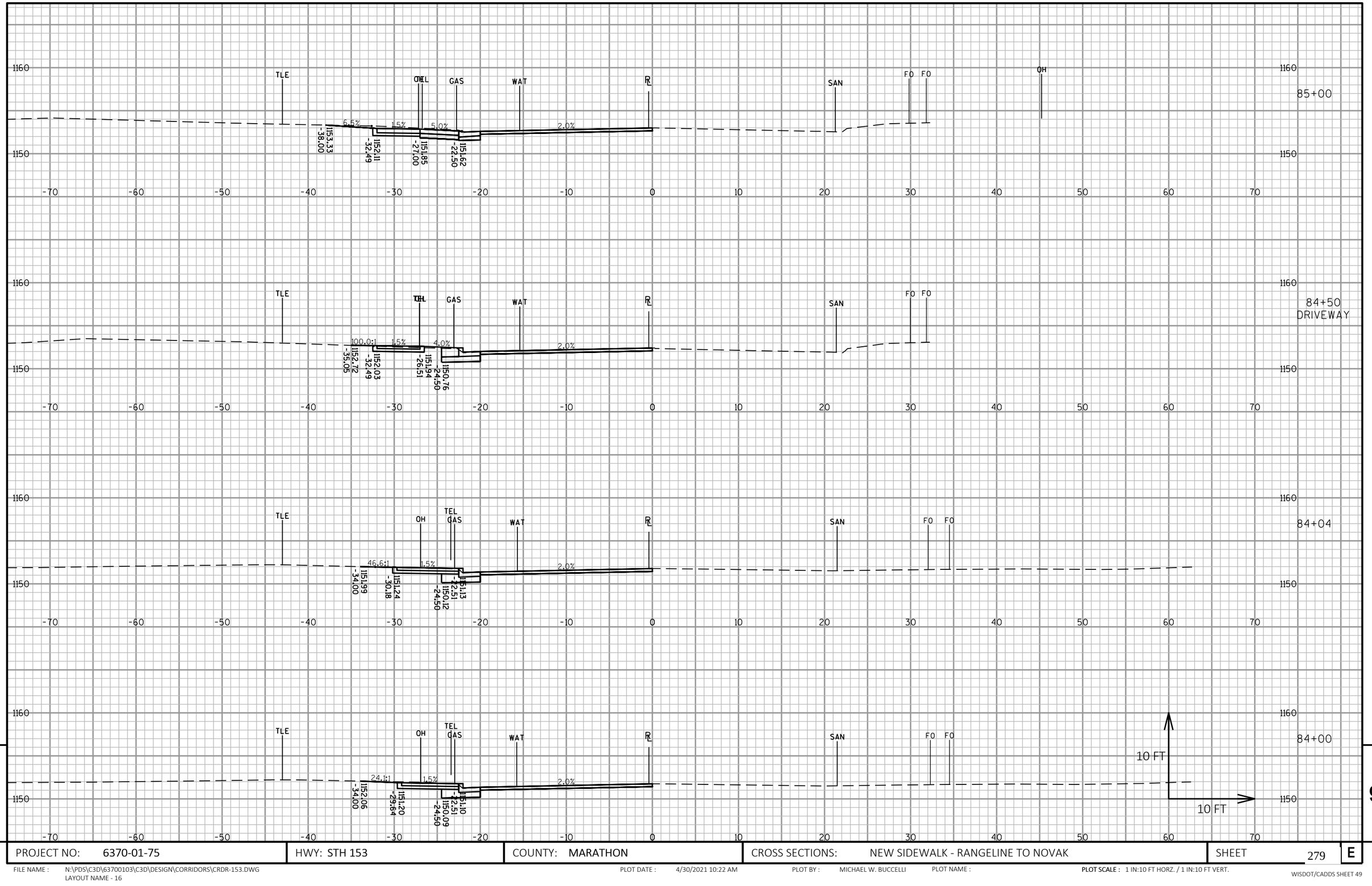
FILE NAME : N:\PDS\C3D\63700103\C3D\DESIGN\CORRIDORS\CRDR-153.DWG
LAYOUT NAME - 15

PLOT DATE : 4/30/2021 10:22 AM

PLOT BY : MICHAEL W. BUCCELLI

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

9

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CROSS SECTIONS: NEW SIDEWALK - RANGELINE TO NOVAK	SHEET 279	E

FILE NAME : N:\PDS\C3D\63700103\C3D\DESIGN\CORRIDORS\CRDR-153.DWG
LAYOUT NAME - 16

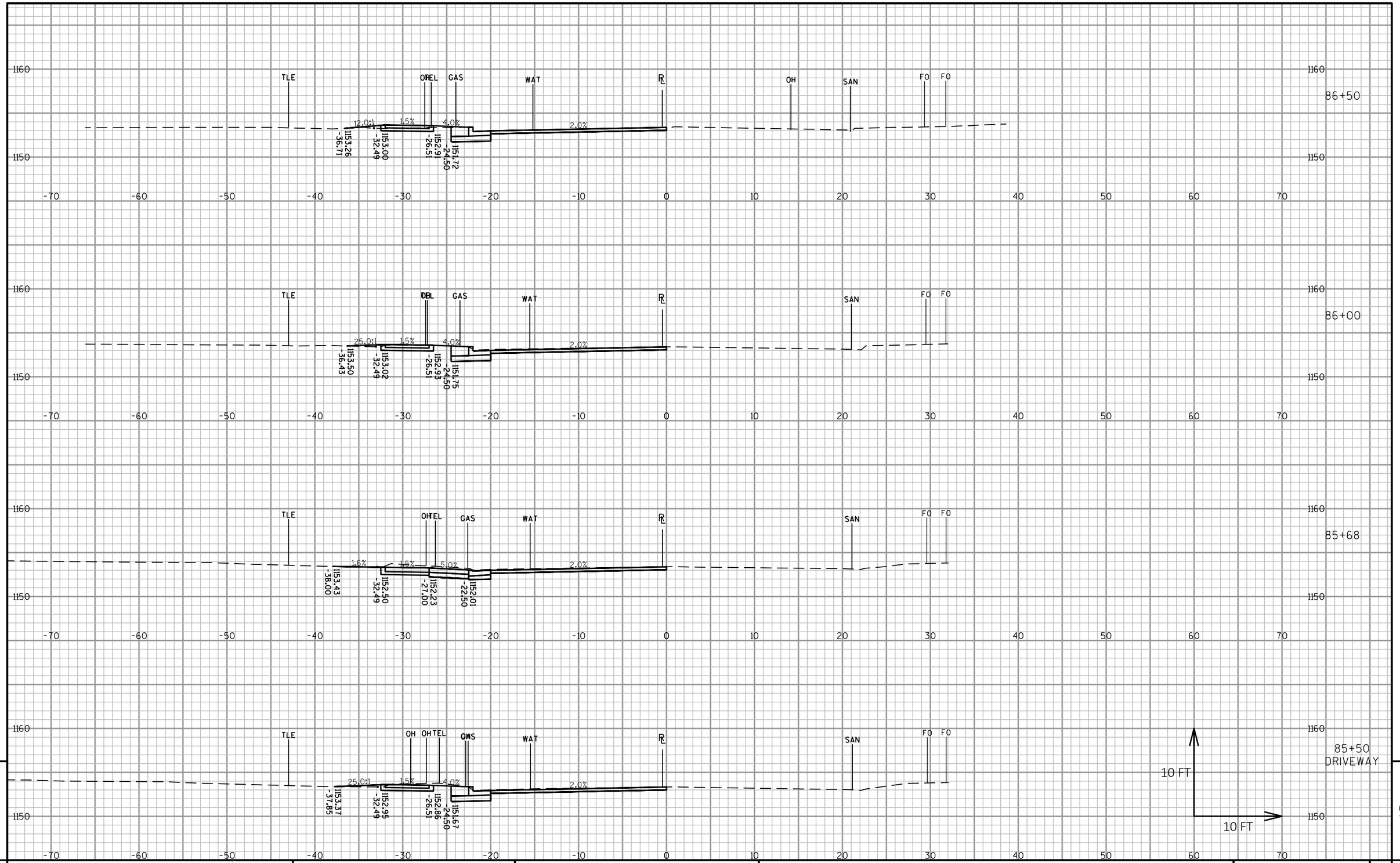
PLOT DATE : 4/30/2021 10:22 AM

PLOT BY : MICHAEL W. BUCCELLI

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CROSS SECTIONS: NEW SIDEWALK - RANGELINE TO NOVAK	SHEET 280	E

FILE NAME : N:\PDS\C3D\63700103\C3D\DESIGN\CORRIDORS\CRDR-153.DWG
LAYOUT NAME - 17

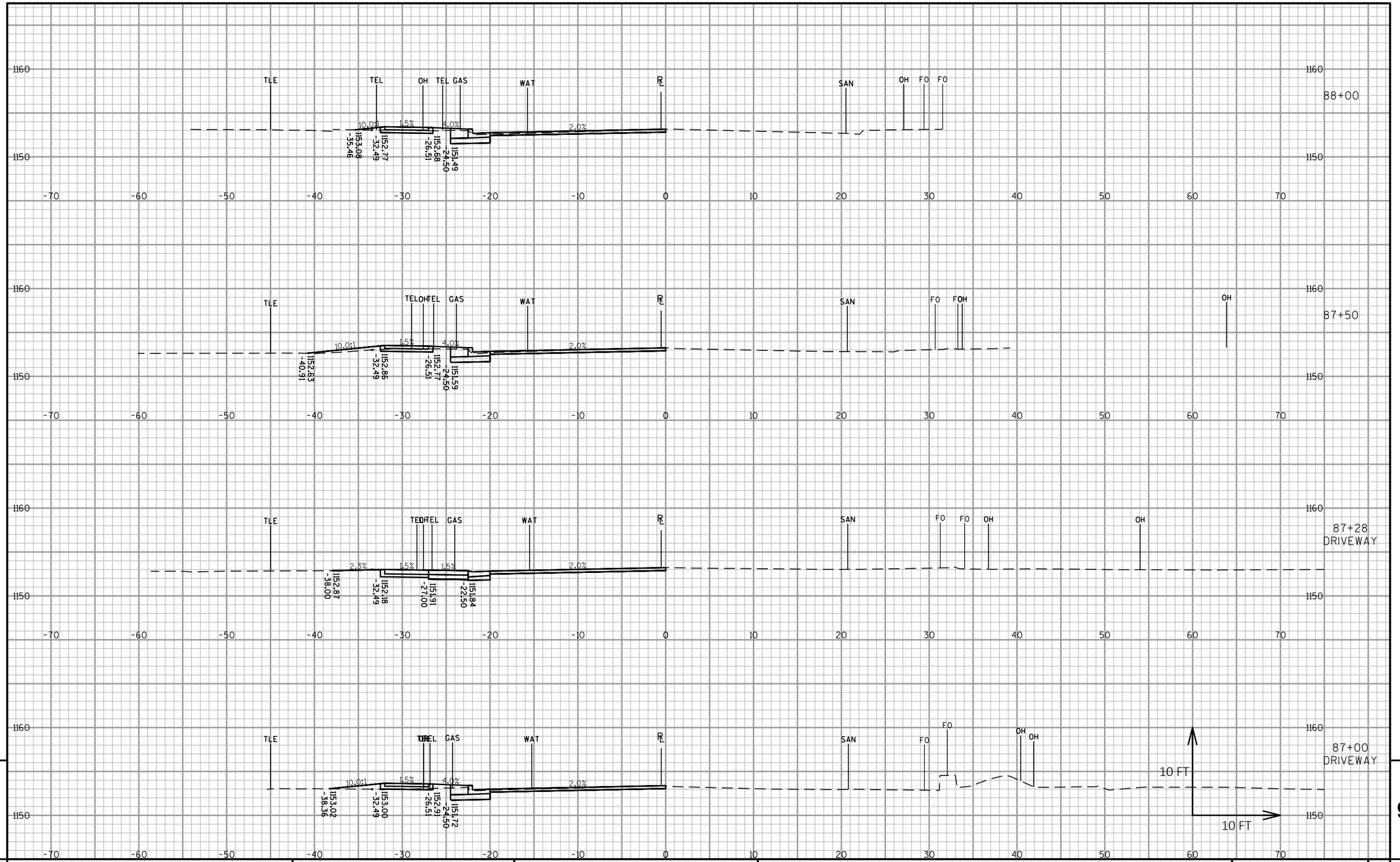
PLOT DATE : 4/30/2021 10:22 AM

PLOT BY : MICHAEL W. BUCCELLI

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CROSS SECTIONS: NEW SIDEWALK - RANGELINE TO NOVAK	SHEET 281	E

FILE NAME : N:\PDS\C3D\63700103\C3D\DESIGN\CORRIDORS\CRDR-153.DWG
LAYOUT NAME - 18

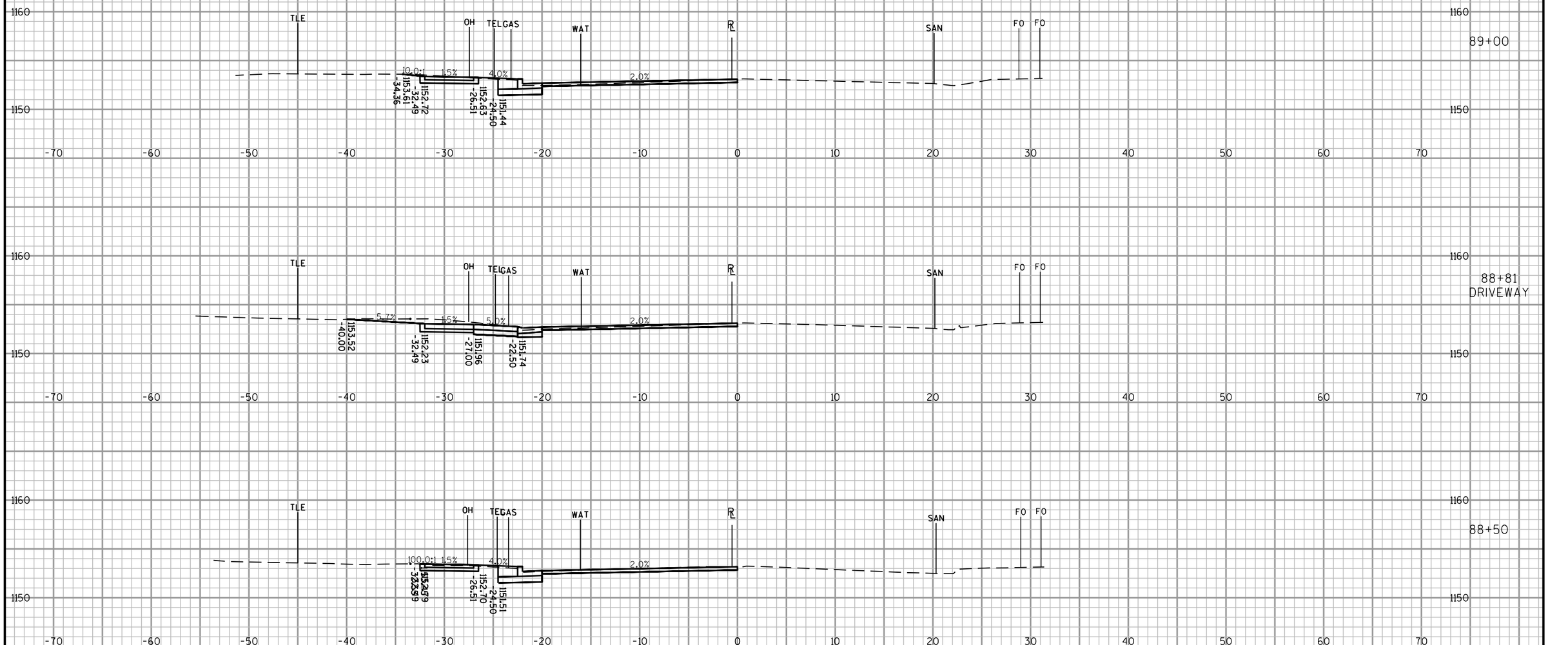
PLOT DATE : 4/30/2021 10:22 AM

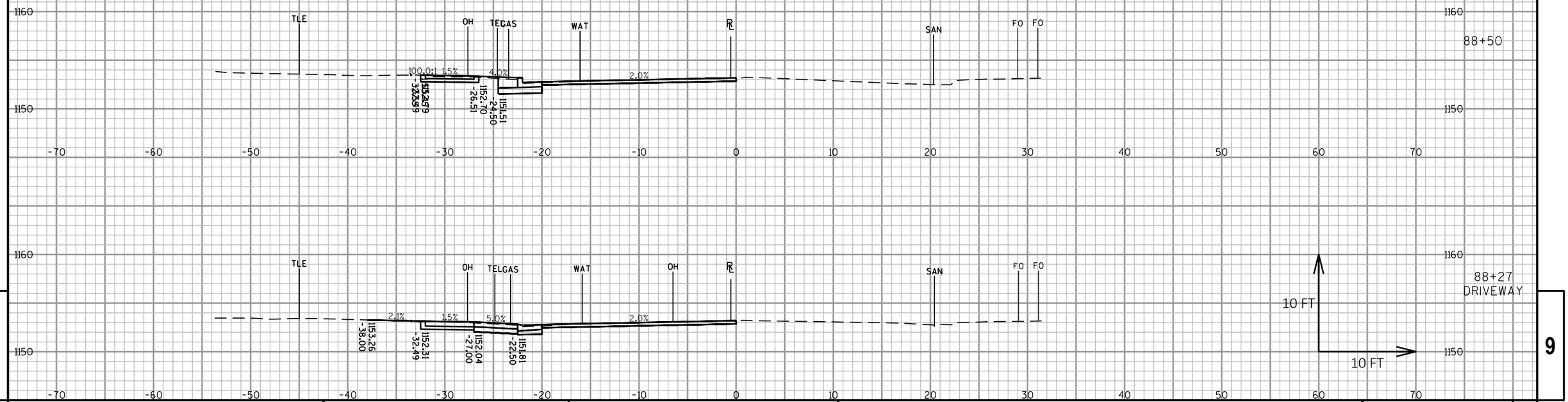
PLOT BY : MICHAEL W. BUCCELLI

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





9

9

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CROSS SECTIONS: NEW SIDEWALK - RANGELINE TO NOVAK	SHEET 282	E

FILE NAME : N:\PDS\C3D\63700103\C3D\DESIGN\CORRIDORS\CRDR-153.DWG
LAYOUT NAME - 19

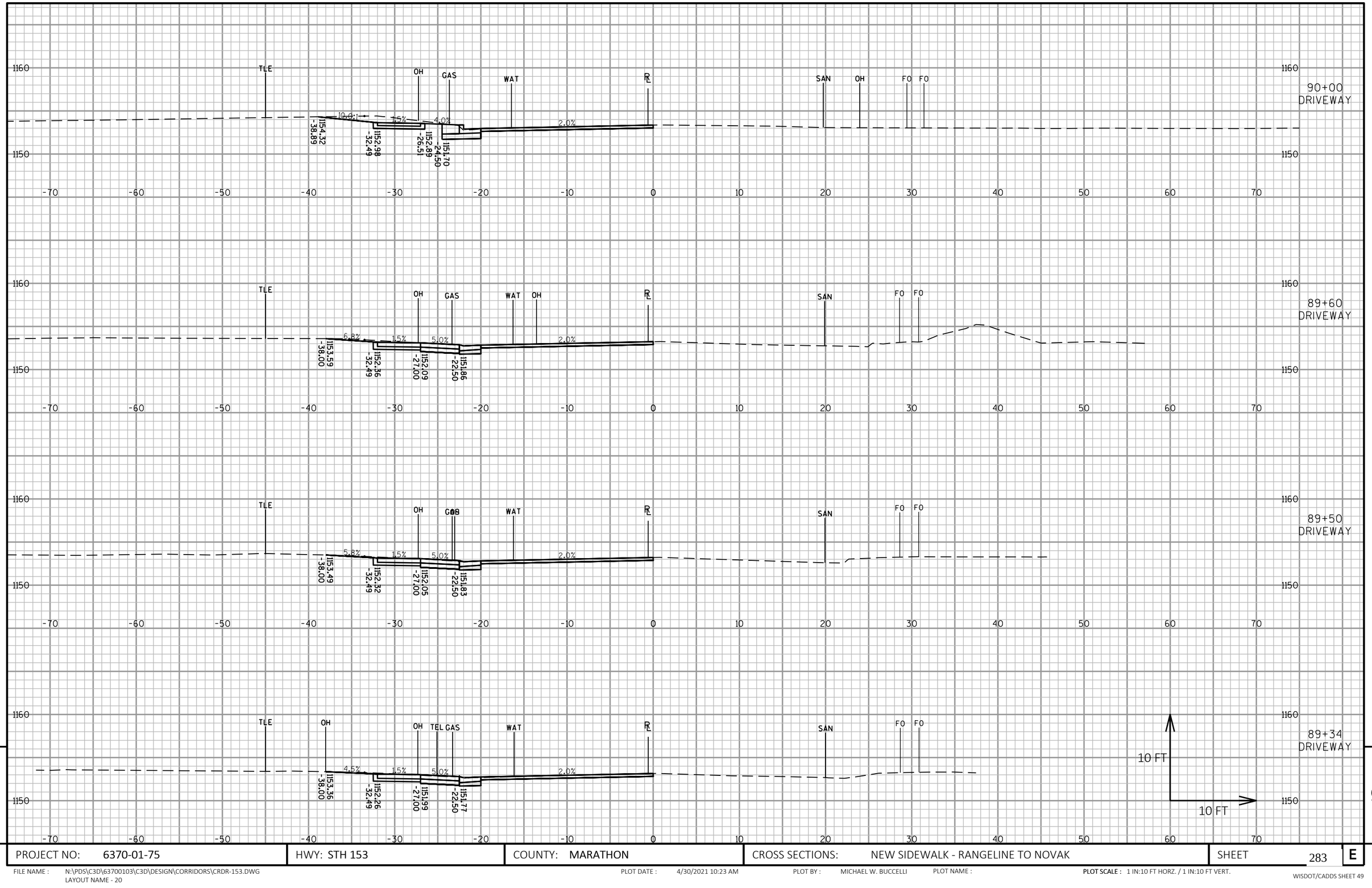
PLOT DATE : 4/30/2021 10:23 AM

PLOT BY : MICHAEL W. BUCCELLI

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CROSS SECTIONS: NEW SIDEWALK - RANGELINE TO NOVAK	SHEET 283	E

FILE NAME : N:\PDS\C3D\63700103\C3D\DESIGN\CORRIDORS\CRDR-153.DWG
LAYOUT NAME - 20

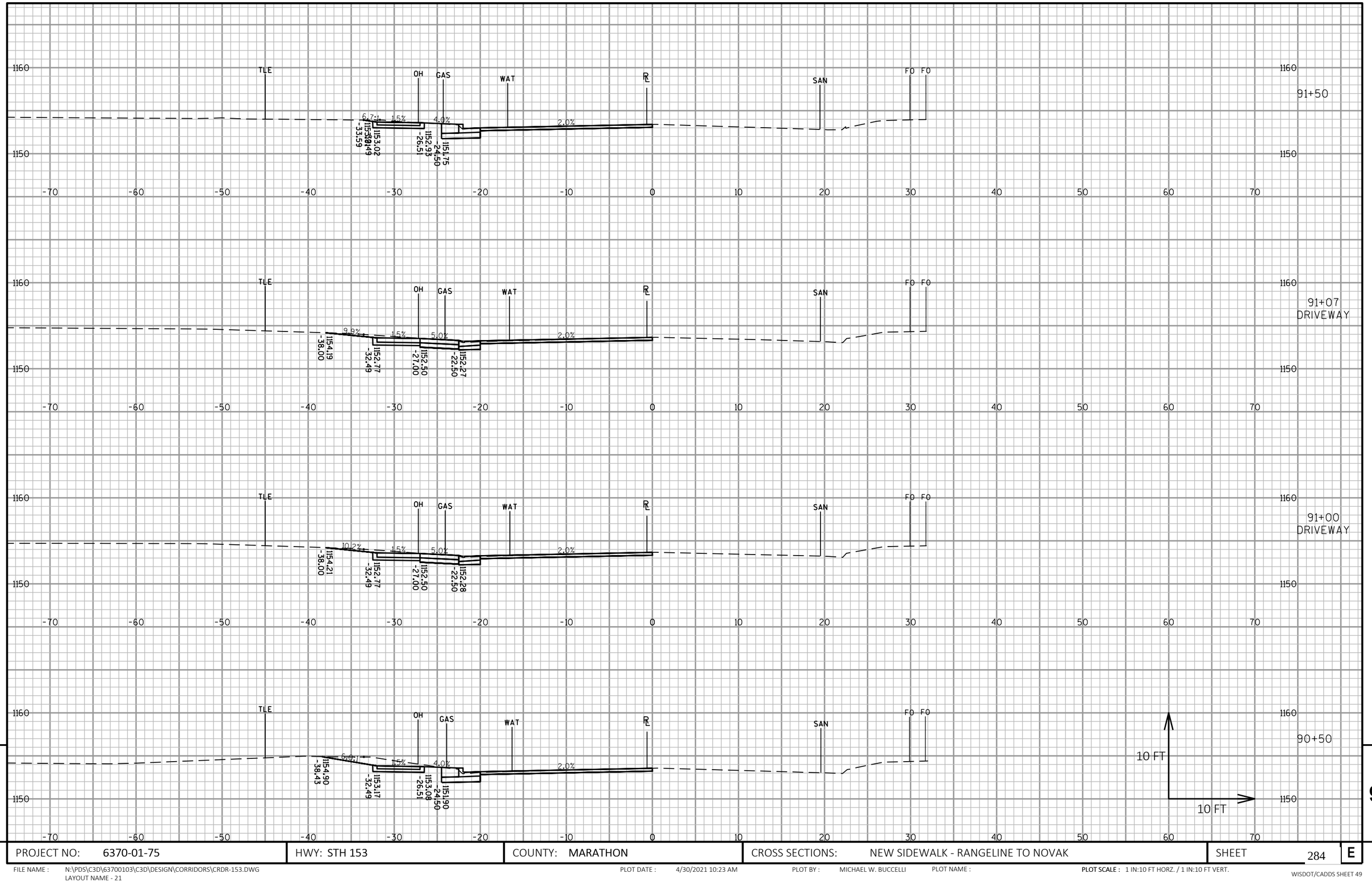
PLOT DATE : 4/30/2021 10:23 AM

PLOT BY : MICHAEL W. BUCCELLI

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

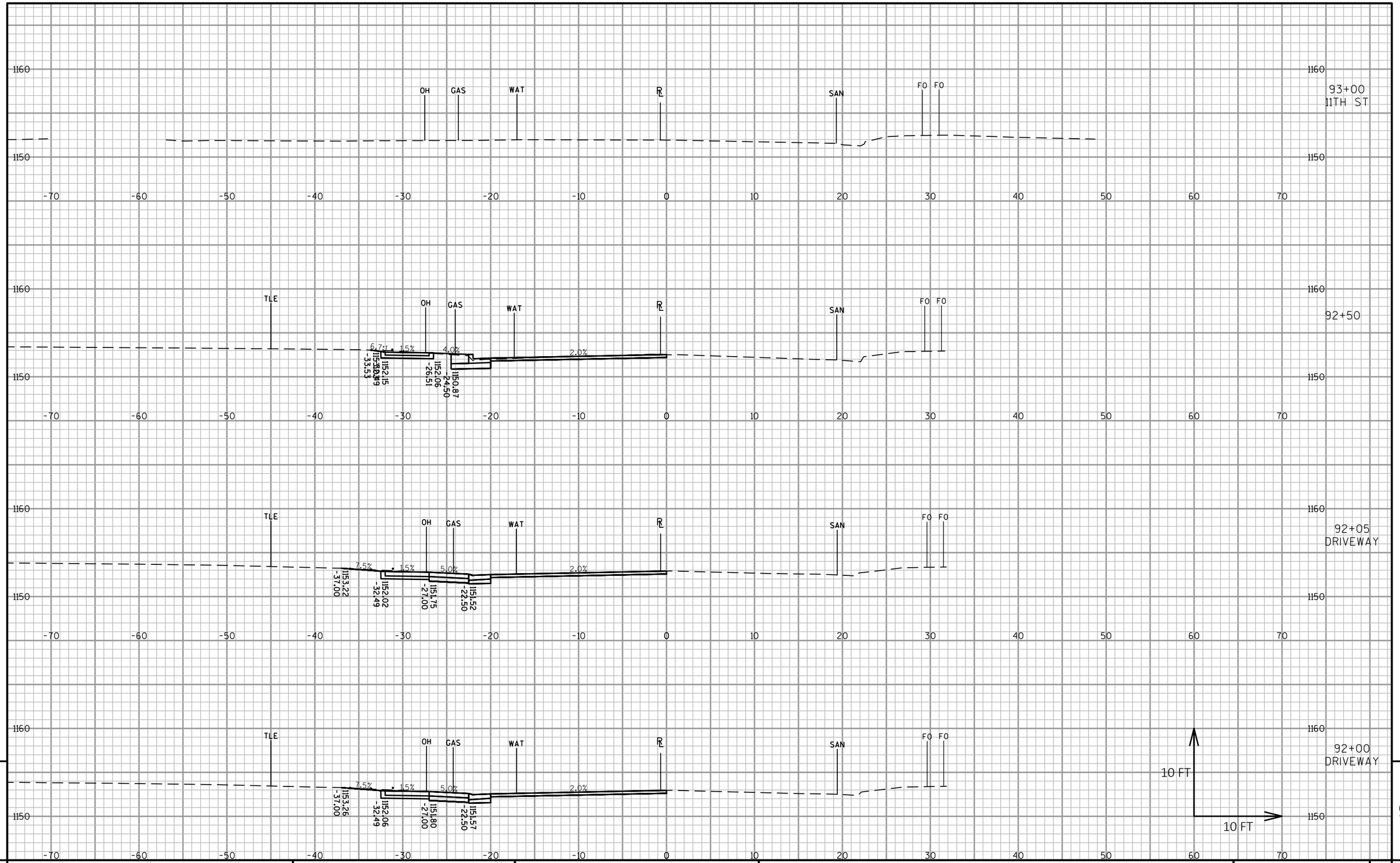


9

9

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CROSS SECTIONS: NEW SIDEWALK - RANGELINE TO NOVAK	SHEET 284	E

FILE NAME : N:\PDS\C3D\63700103\C3D\DESIGN\CORRIDORS\CRDR-153.DWG
LAYOUT NAME - 21
PLOT DATE : 4/30/2021 10:23 AM
PLOT BY : MICHAEL W. BUCCELLI
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CROSS SECTIONS: NEW SIDEWALK - RANGELINE TO NOVAK	SHEET 285	E

FILE NAME : N:\PDS\C3D\63700103\C3D\DESIGN\CORRIDORS\CRDR-153.DWG
LAYOUT NAME - 22

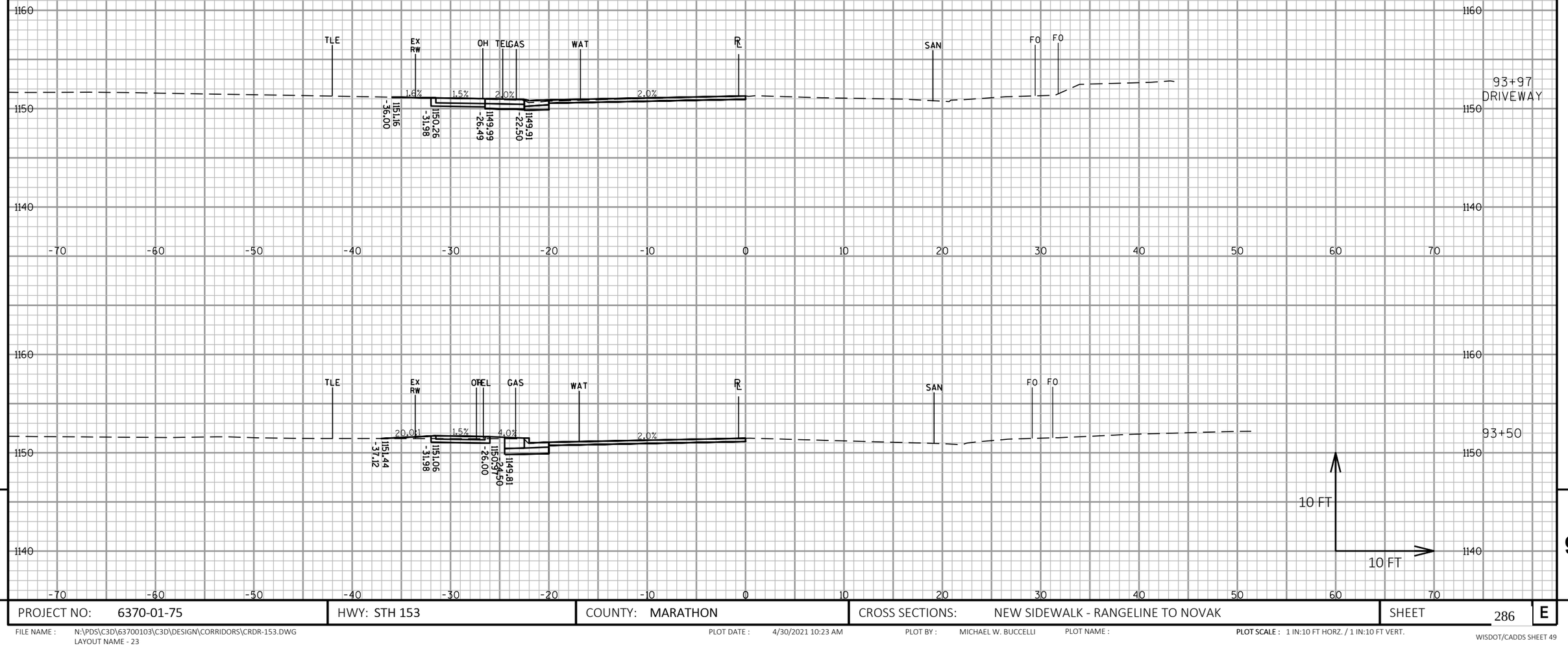
PLOT DATE : 4/30/2021 10:23 AM

PLOT BY : MICHAEL W. BUCCELLI

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CROSS SECTIONS: NEW SIDEWALK - RANGELINE TO NOVAK	SHEET 286	E

FILE NAME : N:\PDS\C3D\63700103\C3D\DESIGN\CORRIDORS\CRDR-153.DWG
LAYOUT NAME - 23

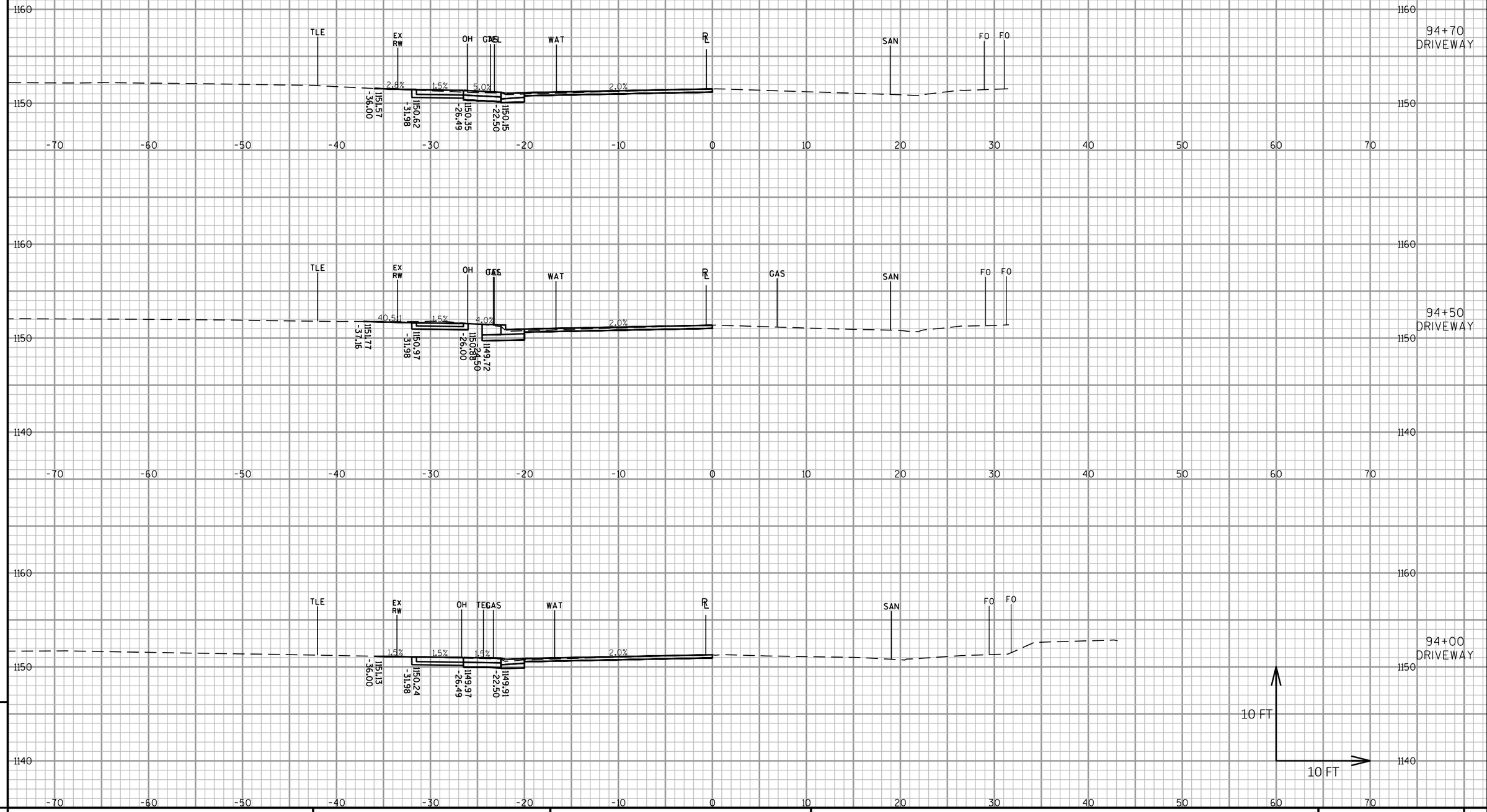
PLOT DATE : 4/30/2021 10:23 AM

PLOT BY : MICHAEL W. BUCCELLI

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

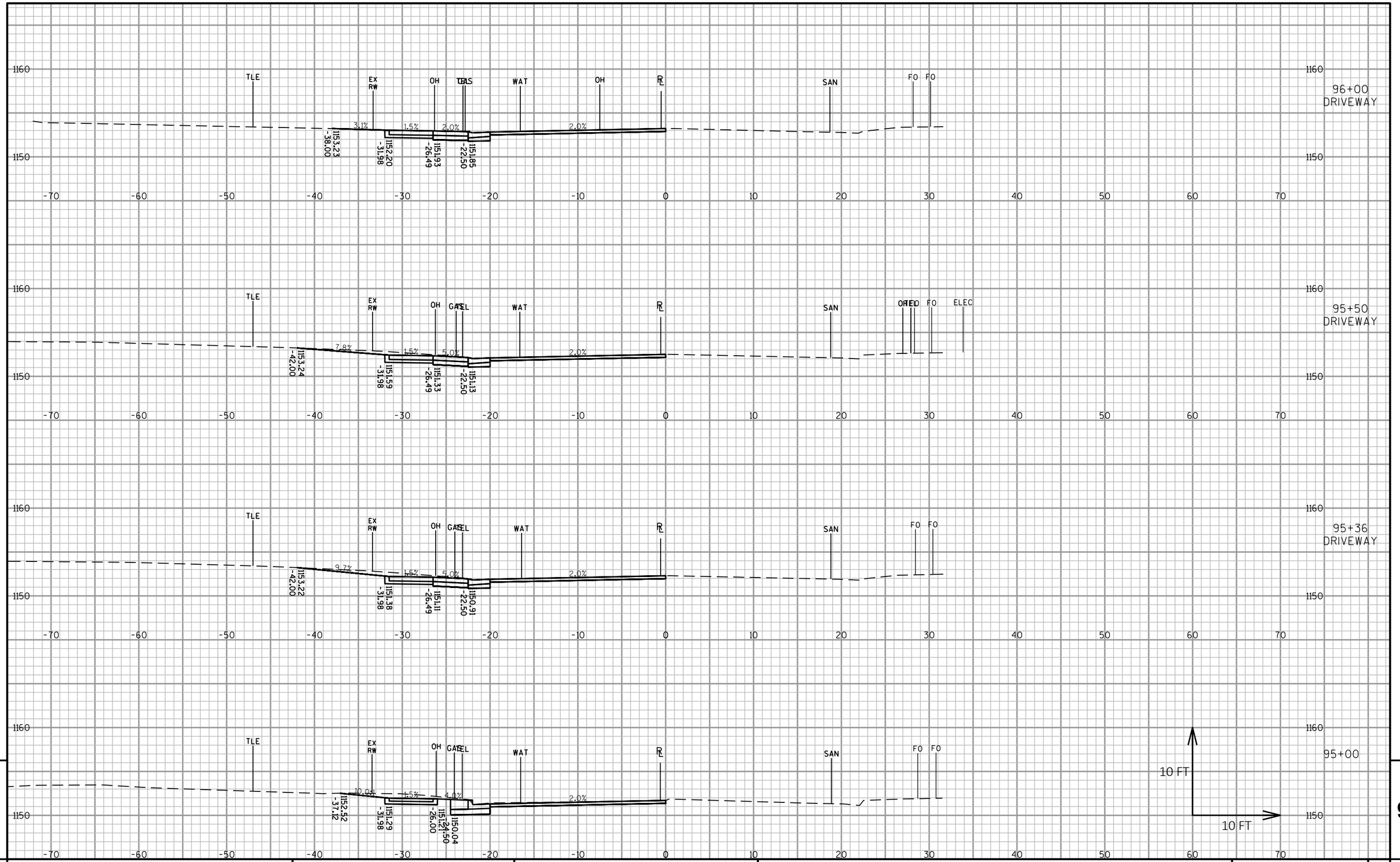
9

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CROSS SECTIONS: NEW SIDEWALK - RANGELINE TO NOVAK	SHEET 287 E

FILE NAME : N:\PDS\C3D\63700103\C3D\DESIGN\CORRIDORS\CRDR-153.DWG
LAYOUT NAME - 24

PLOT DATE : 4/30/2021 10:23 AM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CROSS SECTIONS: NEW SIDEWALK - RANGELINE TO NOVAK	SHEET 288	E

FILE NAME : N:\PDS\C3D\63700103\C3D\DESIGN\CORRIDORS\CRDR-153.DWG
LAYOUT NAME - 25

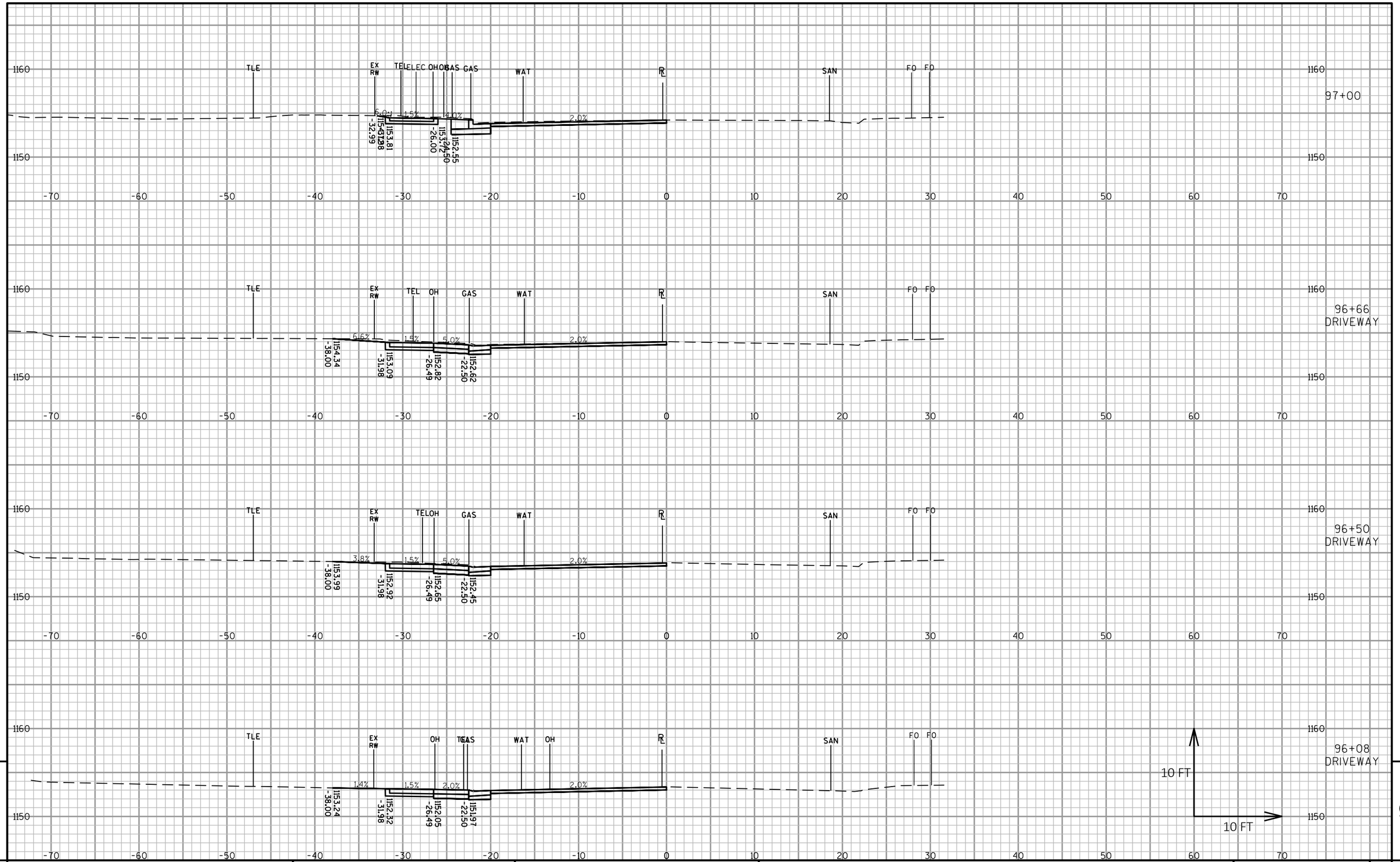
PLOT DATE : 4/30/2021 10:23 AM

PLOT BY : MICHAEL W. BUCCELLI

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CROSS SECTIONS: NEW SIDEWALK - RANGELINE TO NOVAK	SHEET 289	E

FILE NAME : N:\PDS\C3D\63700103\C3D\DESIGN\CORRIDORS\CRDR-153.DWG
LAYOUT NAME - 26

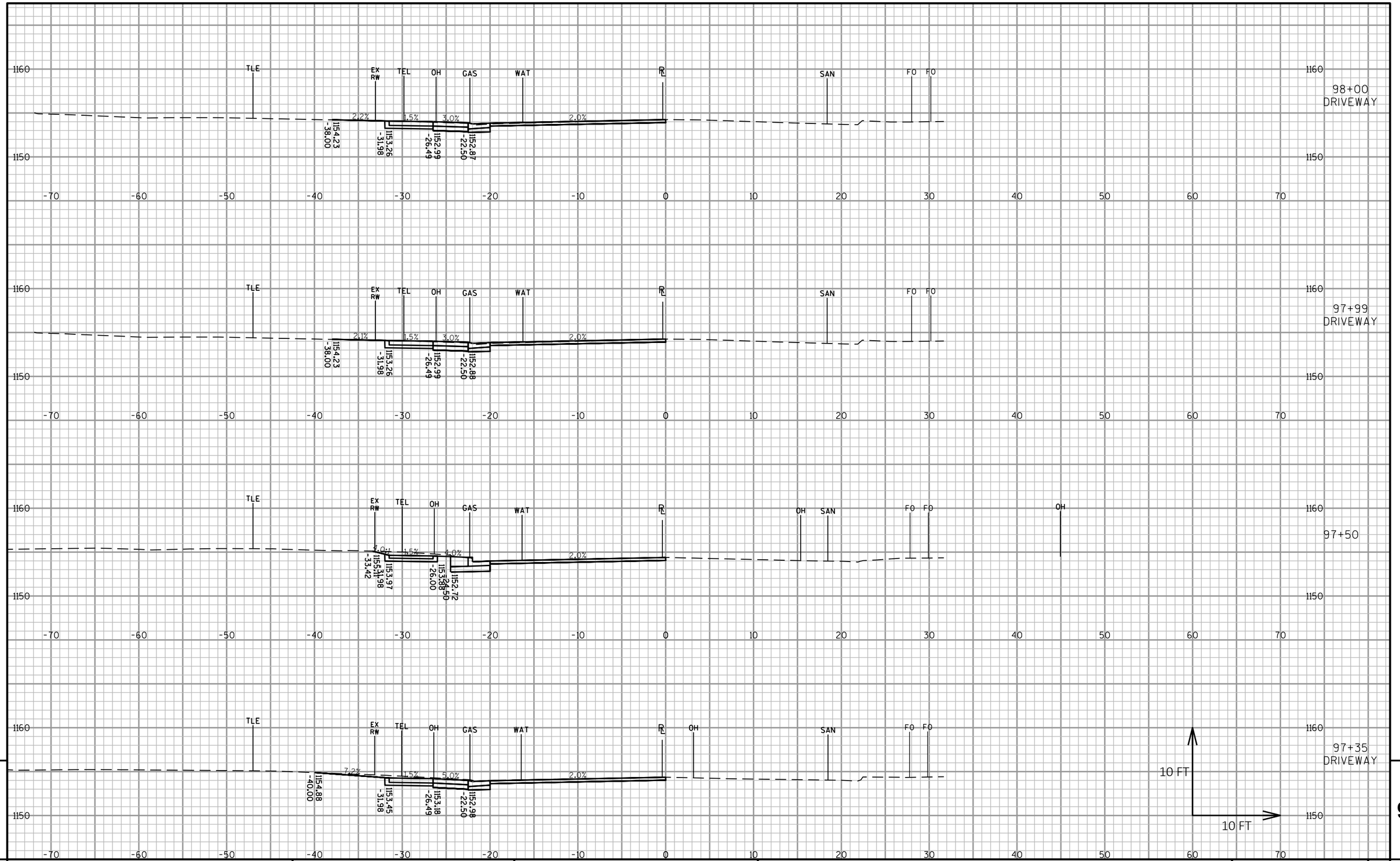
PLOT DATE : 4/30/2021 10:24 AM

PLOT BY : MICHAEL W. BUCCELLI

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

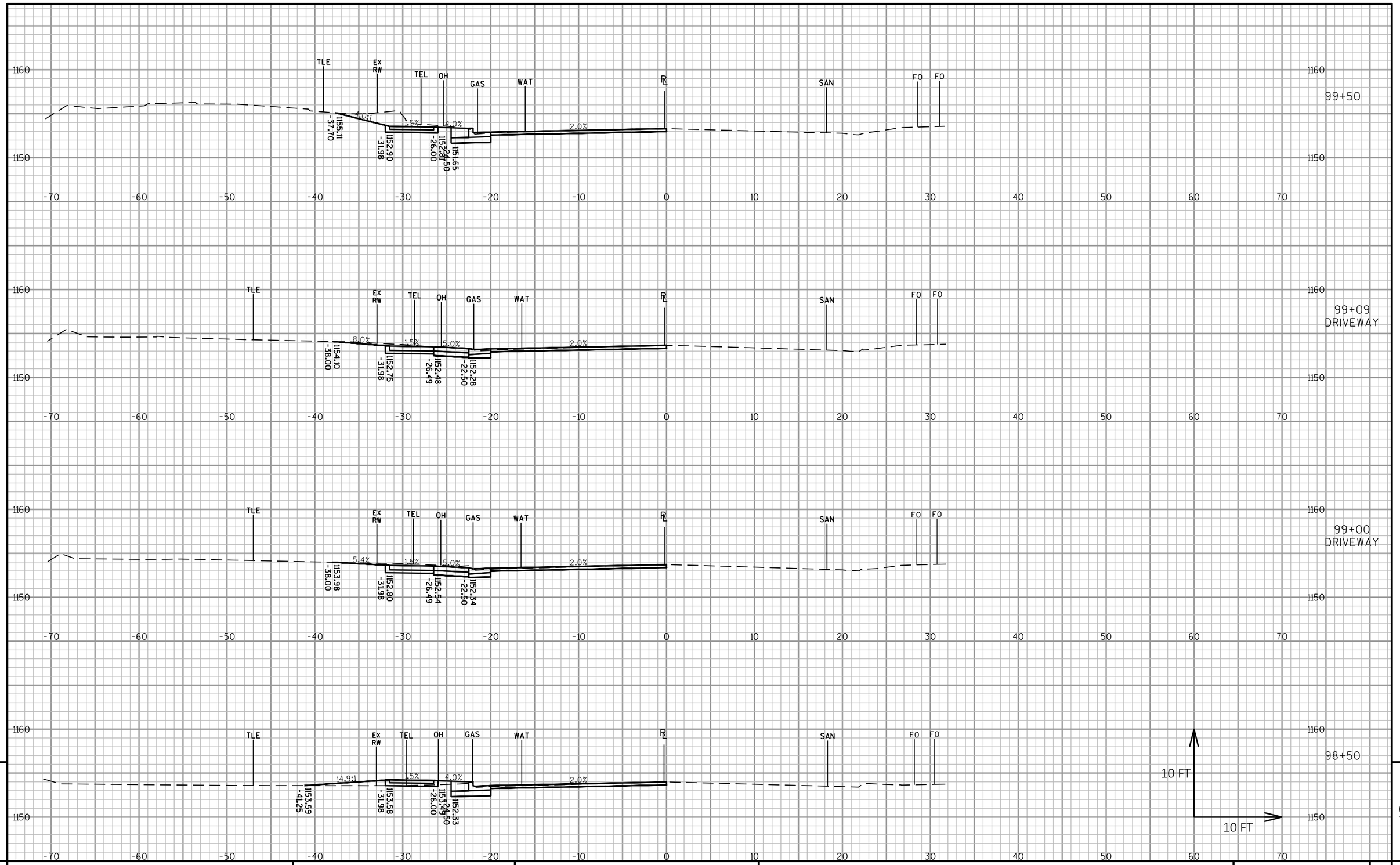
9

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CROSS SECTIONS: NEW SIDEWALK - RANGELINE TO NOVAK	SHEET 290	E

FILE NAME : N:\PDS\C3D\63700103\C3D\DESIGN\CORRIDORS\CRDR-153.DWG
LAYOUT NAME - 27

PLOT DATE : 4/30/2021 10:24 AM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CROSS SECTIONS: NEW SIDEWALK - RANGELINE TO NOVAK	SHEET 291 E

FILE NAME : N:\PDS\C3D\63700103\C3D\DESIGN\CORRIDORS\CRDR-153.DWG
LAYOUT NAME - 28

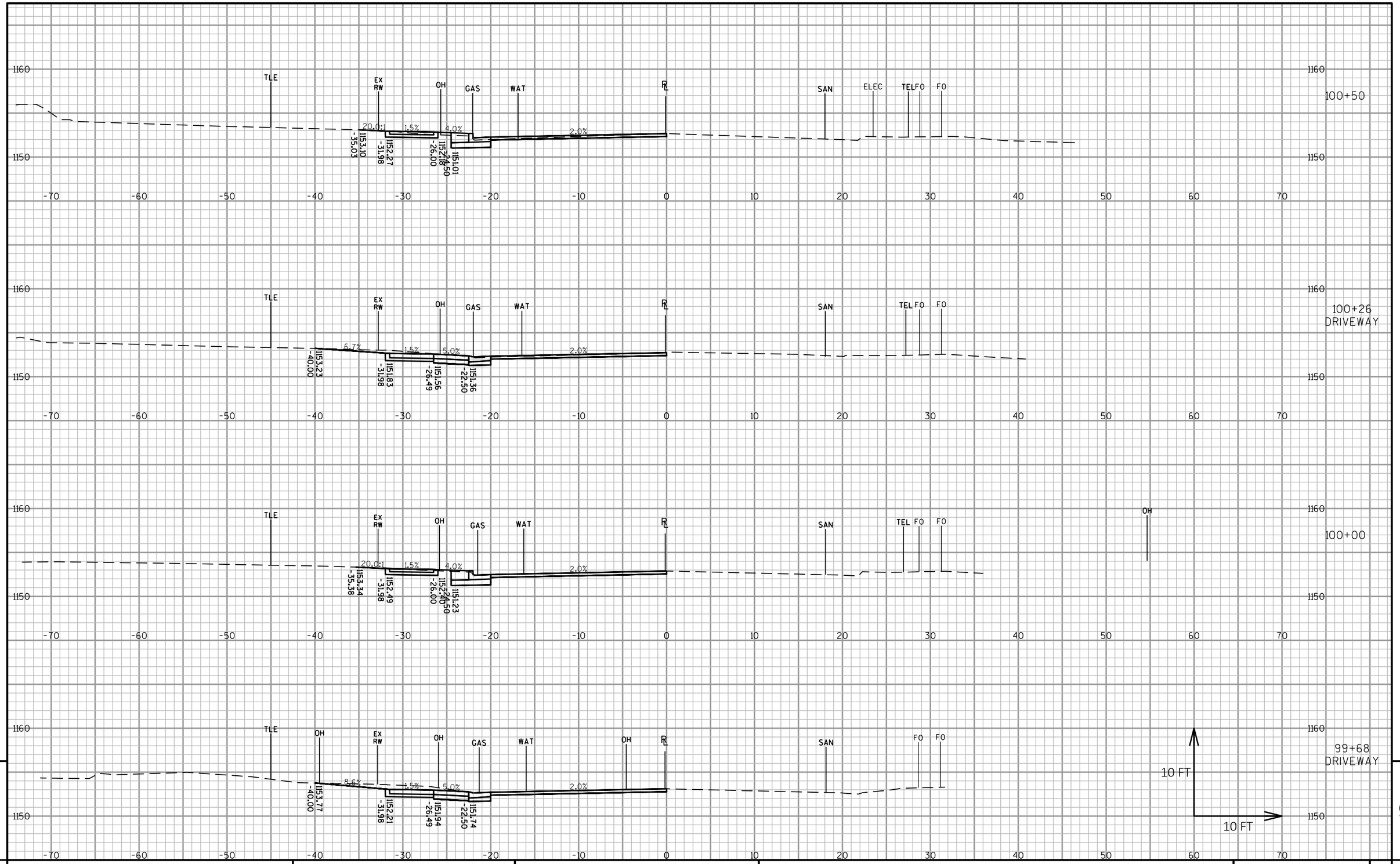
PLOT DATE : 4/30/2021 10:24 AM

PLOT BY : MICHAEL W. BUCCELLI

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CROSS SECTIONS: NEW SIDEWALK - RANGELINE TO NOVAK	SHEET 292	E

FILE NAME : N:\PDS\C3D\63700103\C3D\DESIGN\CORRIDORS\CRDR-153.DWG
LAYOUT NAME - 29

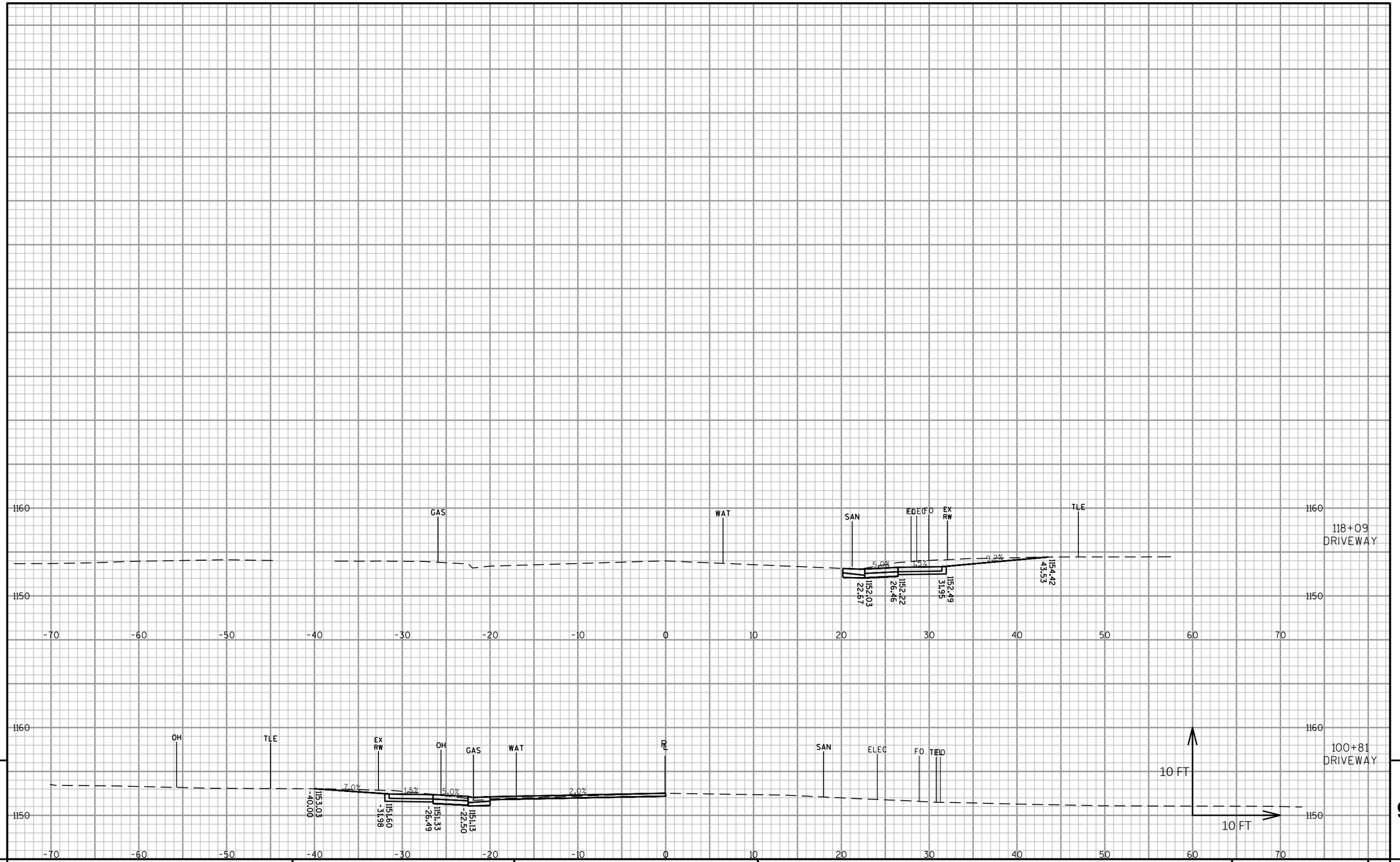
PLOT DATE : 4/30/2021 10:24 AM

PLOT BY : MICHAEL W. BUCCELLI

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CROSS SECTIONS: NEW SIDEWALK - RANGELINE TO NOVAK	SHEET 293	E

FILE NAME : N:\PDS\C3D\63700103\C3D\DESIGN\CORRIDORS\CRDR-153.DWG
LAYOUT NAME - 30

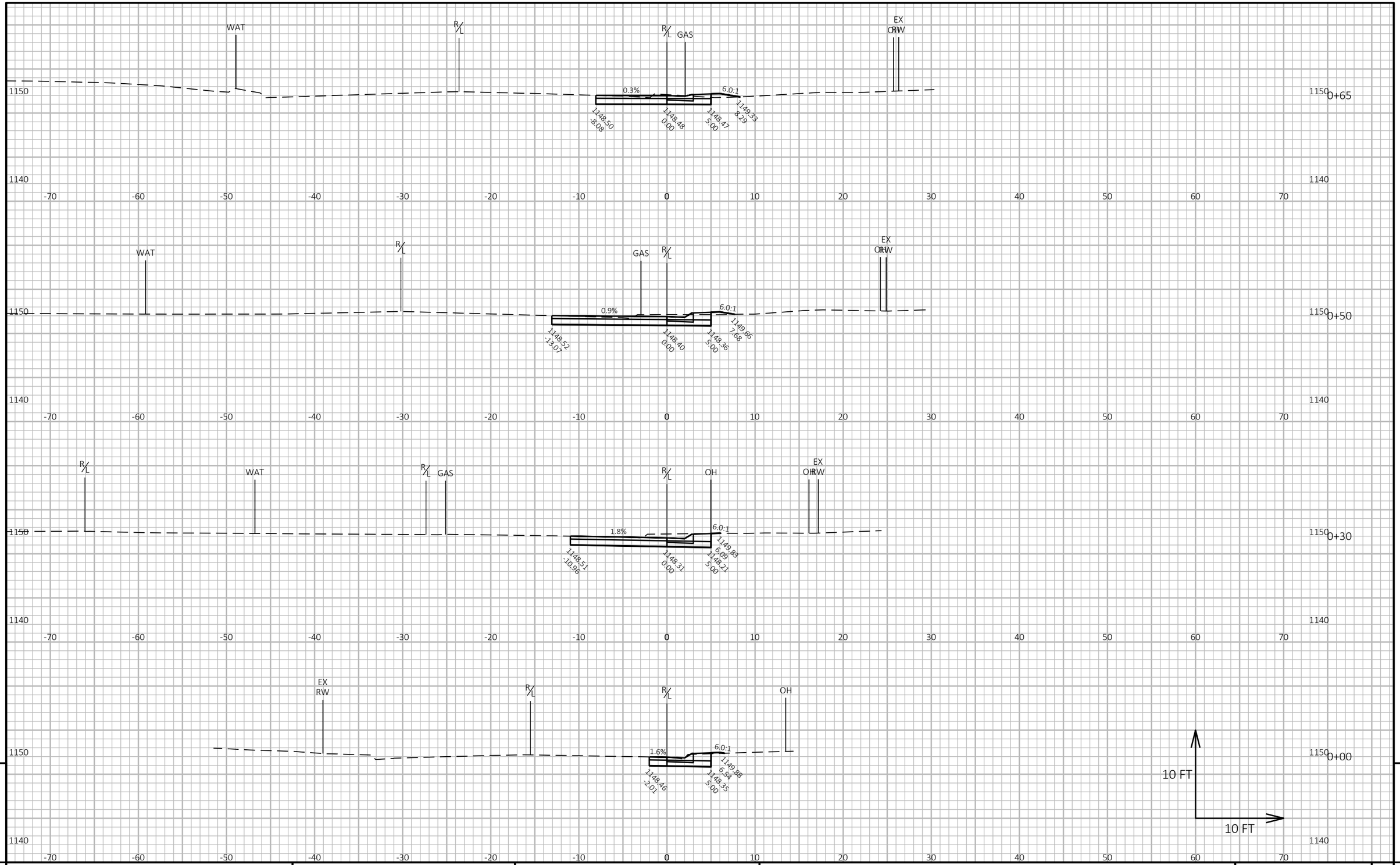
PLOT DATE : 4/30/2021 10:24 AM

PLOT BY : MICHAEL W. BUCCELLI

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

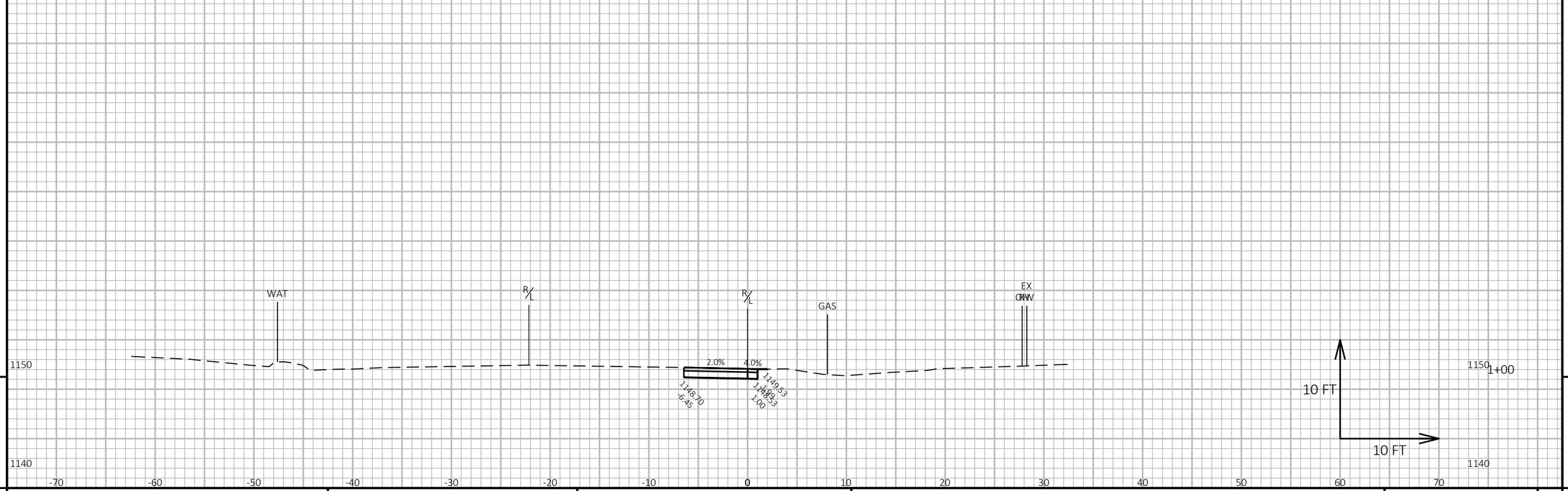
9

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CROSS SECTIONS: STH 153 & RANGE LINE RD	SHEET 294	E

FILE NAME : N:\PDS\C3D\63700103\C3D\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 01

PLOT DATE : 12/28/2020 9:22 AM PLOT BY : KAIT SANFORD PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

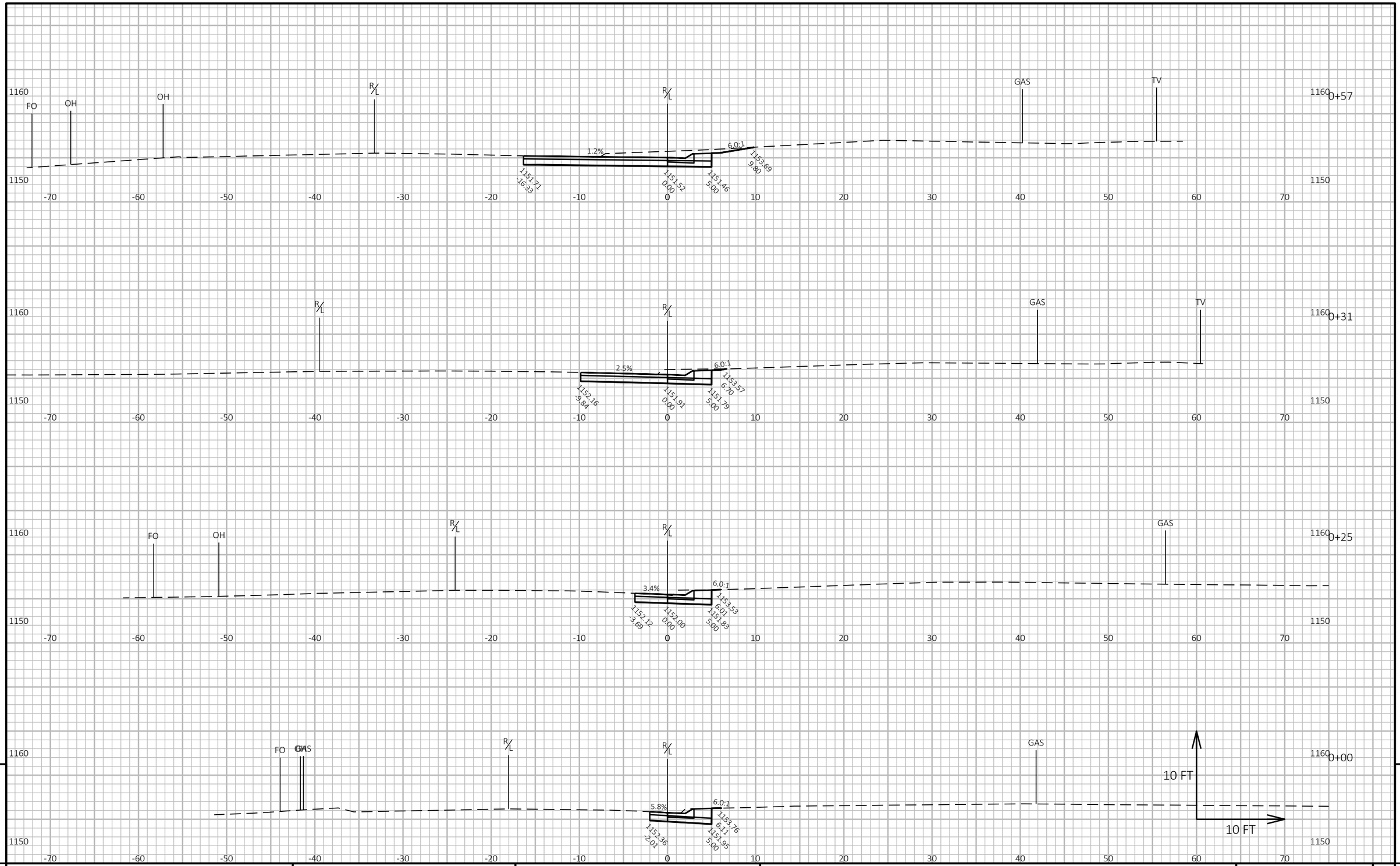
PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CROSS SECTIONS: STH 153 & RANGE LINE RD	SHEET 295	E

FILE NAME : N:\PDS\C3D\637001O3\C3D\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 02

PLOT DATE : 12/28/2020 9:22 AM PLOT BY : KAIT SANFORD PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

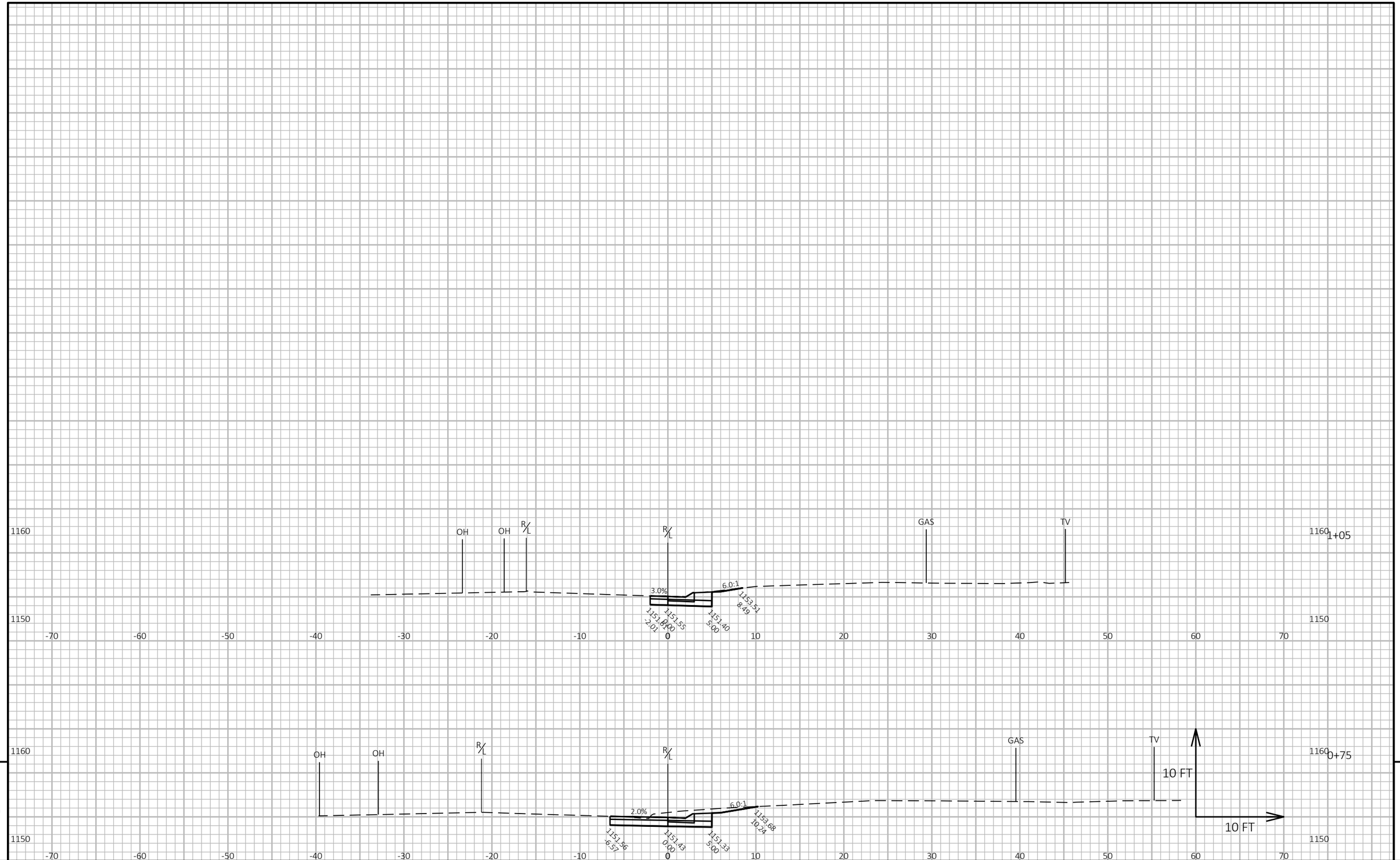
9

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CROSS SECTIONS: CTH B & RANGE LINE RD	SHEET 296	E

FILE NAME : N:\PDS\C3D\637001O3\C3D\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 03

PLOT DATE : 12/28/2020 9:22 AM PLOT BY : KAIT SANFORD PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6370-01-75	HWY: STH 153	COUNTY: MARATHON	CROSS SECTIONS: CTH B & RANGE LINE RD	SHEET 297	E

FILE NAME : N:\PDS\C3D\637001O3\C3D\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 04

PLOT DATE : 12/28/2020 9:22 AM PLOT BY : KAIT SANFORD PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov