LAX

APRIL 2022

PROJECT ID: 7575-07-70

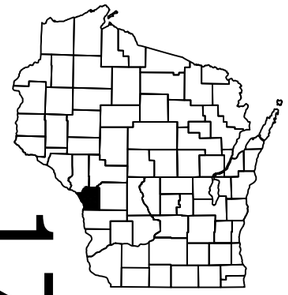
WITH: 7575-07-73, 7575-07-83

COUNTY: LA CROSSE

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 = 110



17

N

DESIGN DESIGNATION — STH 35/WEST AVE

A.A.D.T.	2021	=	23,620
A.A.D.T.	2031	=	26,090
D.H.V.		=	2,896
D.D.		=	59/41
T.		=	4%
DESIGN SPEED		=	30 MPH
ESALS		=	1,610,000

CONVENTIONAL SYMBOLS

PLAN

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

PROFILE

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

UTILITIES

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

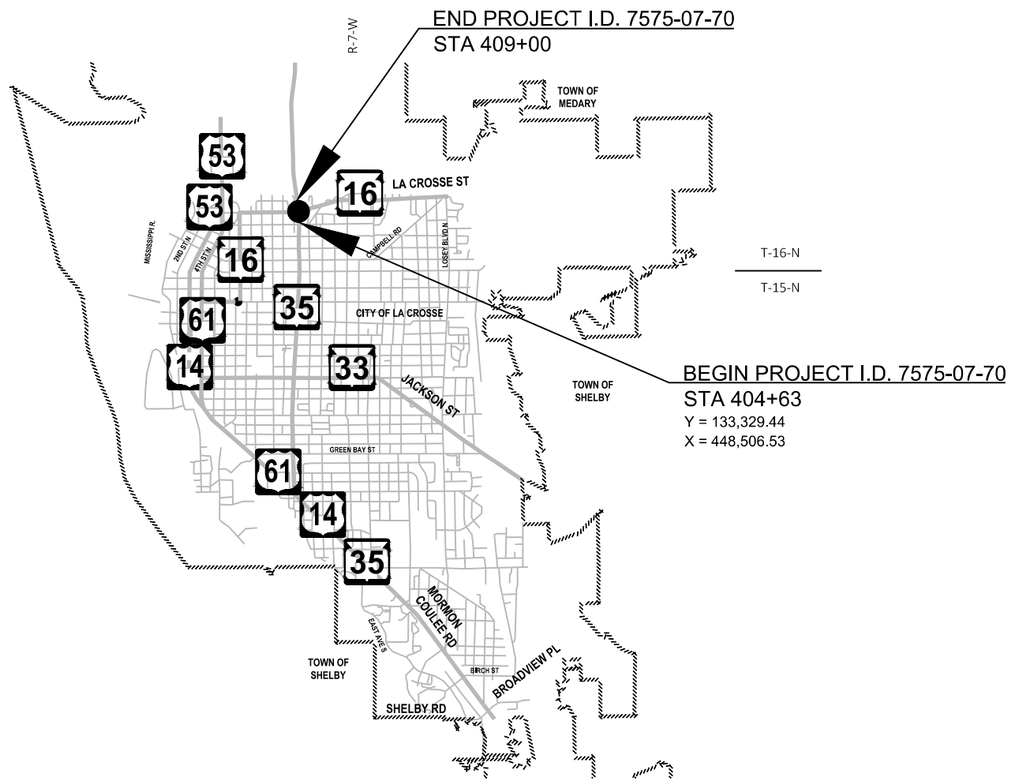
C LA CROSSE, INTERSECTION IMPRVMNTS

LA CROSSE ST / STH 35 / WEST AVE INTER

STH 16

LA CROSSE COUNTY

STATE PROJECT NUMBER
7575-07-70



LAYOUT

SCALE 0 — 1 MI

TOTAL NET LENGTH OF CENTERLINE = 0.083 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), LA CROSSE 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 (2007). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
7575-07-70	WISC 2022298	1

ACCEPTED FOR

CITY of LA CROSSE

10/6/2021 (Date)

Interim Director of Engineering & Public Works (Signature & Title of Official)

ORIGINAL PLANS PREPARED BY

raSmith

CREATIVITY BEYOND ENGINEERING

rasmith.com

WISCONSIN — JOHN P. BRUGGEMAN — E-39737 — BAYSIDE, WI — PROFESSIONAL ENGINEER

10/5/21 (Date)

(Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	raSmith
Designer	raSmith
Project Manager	CRAIG FISHER
Regional Examiner	SW REGION
Regional Supervisor	OSCAR WINGER

APPROVED FOR THE DEPARTMENT

DATE: 10/6/2021 (Signature)

E

FILE NAME : T:\1190937.02\CIVIL3D\16410304\SHEETSPLAN\7575070\010101-TI.DWG

PLOT DATE : 10/5/2021 10:14 AM

PLOT BY : AXT, ANDREW

PLOT NAME :

DESIGN CONSULTANT

JOHN BRUGGEMAN
raSmith
16745 W BLUEMOUND RD
BROOKFIELD, WI 53005
(262) 317-3353
JOHN.BRUGGEMAN@RASMITH.COM

CITY OF LA CROSSE

STEPHANIE SWARD
400 LA CROSSE ST
LA CROSSE, WI 54601
(608) 789-7505
SWARDS@CITYOFLACROSSE.ORG

WISCONSIN DNR

KAREN KALVELAGE
3550 MORMON COULEE RD
LA CROSSE, WI 54601
(608) 785-9115
KAREN.KALVELAGE@WISCONSIN.GOV

CITY OF LA CROSSE MUNICIPAL TRANSIT (MTU)

JAMES KRUEGER
2000 MARCO DR
LA CROSSE, WI 54601
(608) 789-7350
KRUEGERJ@CITYOFLACROSSE.ORG

WISCONSIN DEPT OF TRANSPORTATION

CRAIG FISHER
3550 MORMON COULEE RD
LA CROSSE, WI 54601
(608) 785-9946
CRAIG.FISHER@DOT.WI.GOV

UTILITIES

GAS

ED PRZYTARSKI
XCEL ENERGY
3215 COMMERCE ST
LA CROSSE, WI 54603
(608) 789-3631
EDWARD.R.PRZYTARSKI@XCELENERGY.COM

COMMUNICATION

TOM MURRAY
CENTURY LINK
333 N FRONT ST
LA CROSSE, WI 54601
(608) 780-0895
TOM.L.MURRAY@CENTURYLINK.COM

SANITARY

LUKE SCHIPPER
CITY OF LA CROSSE
905 HOUSKA PARK DR
LA CROSSE, WI 54601
(608) 789-7324
SCHIPPERL@CITYOFLACROSSE.ORG

WATER

MARK GRAFF
CITY OF LA CROSSE
800 EAST AVE N
LA CROSSE, WI 54601
(608) 789-7384
GRAFFM@CITYOFLACROSSE.ORG

ORDER OF SECTION 2 SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PLAN DETAILS
PAVEMENT DETAILS
CURB RAMP DETAILS
UTILITY DETAILS
TRAFFIC SIGNAL REMOVAL
TRAFFIC SIGNAL TEMPORARY
TRAFFIC SIGNAL PERMANENT
PAVEMENT MARKING
TRAFFIC CONTROL

GENERAL NOTES

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

2. ALL OPENINGS BELOW SUBGRADE, RESULTING FROM REMOVALS OR ABANDONMENTS, SHALL BE BACKFILLED IN ACCORDANCE WITH SECTION 204 OF THE STANDARD SPECS. BACKFILL MATERIAL SHALL BE INCIDENTAL TO CONSTRUCTION.

3. CURB AND GUTTER STATIONS, OFFSETS, AND RADII ARE MEASURED AT THE FACE OF CURB UNLESS OTHERWISE NOTED.

4. EROSION CONTROL DEVICES ARE AT SUGGESTED LOCATIONS. THE ACTUAL LOCATIONS WILL BE DETERMINED BY THE CONTRACTOR'S EROSION CONTROL IMPLEMENTATION PLAN AND BY THE ENGINEER. EROSION CONTROL DEVICES SHALL BE MAINTAINED UNTIL PERMANENT VEGETATION IS ESTABLISHED OR UNTIL THE ENGINEER DETERMINES THAT THE DEVICES ARE NO LONGER REQUIRED.

5. THE LIMITS OF SIDEWALK AND CURB & GUTTER REMOVALS ARE APPROXIMATE. FINAL LOCATIONS TO BE DETERMINED BY THE ENGINEER.

6. REMOVAL OF EXISTING SIGNS AND INSTALLATION OF PERMANENT SIGNS TO BE COMPLETED BY THE CITY OF LA CROSSE. CONTACT STEPHANIE SWARD AT LEAST 14 CALENDAR DAYS PRIOR TO THE ANTICIPATED PROJECT START DATE AND COMPLETION DATE TO COORDINATE EXISTING SIGN REMOVAL AND PERMANENT SIGN INSTALLATION, RESPECTIVELY.

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

2

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POTENTIAL CONTAMINATION BEYOND CONSTRUCTION LIMITS

CITY OF LA CROSSE

ASPH

CONC

S-32-6007-02

TLE

CITY OF LA CROSSE

ASPH

S-32-6007-08

APPROXIMATE LOCATION OF CONTAMINATED SOIL

EXISTING R/W

WEST AVE (STH 35)

404

405

406

408

CONC

WEST AVE R/L

EXISTING R/W

TLE

S-32-6007-06

END PROJECT
STA 409+00

BEGIN PROJECT
STA 404+63
Y = 133,329.44
X = 448,506.53

TLE

S-32-6007-04

LA CROSSE ST (STH 16)

EXISTING R/W

EXISTING R/W

TRAFFIC SIGNAL CONTROLLED

CONC

CITY OF LA CROSSE

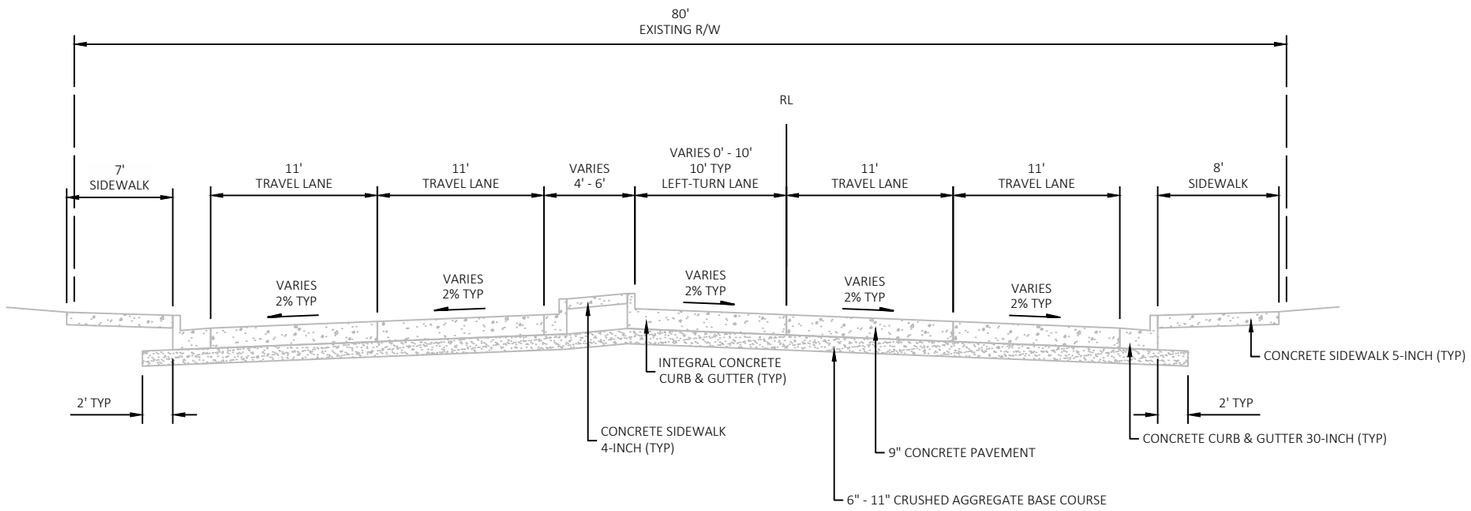
CITY OF LA CROSSE

POTENTIAL CONTAMINATION BEYOND CONSTRUCTION LIMITS

PROJECT NO: 7575-07-70	HWY: STH 16	COUNTY: LA CROSSE	PROJECT OVERVIEW	SHEET	E

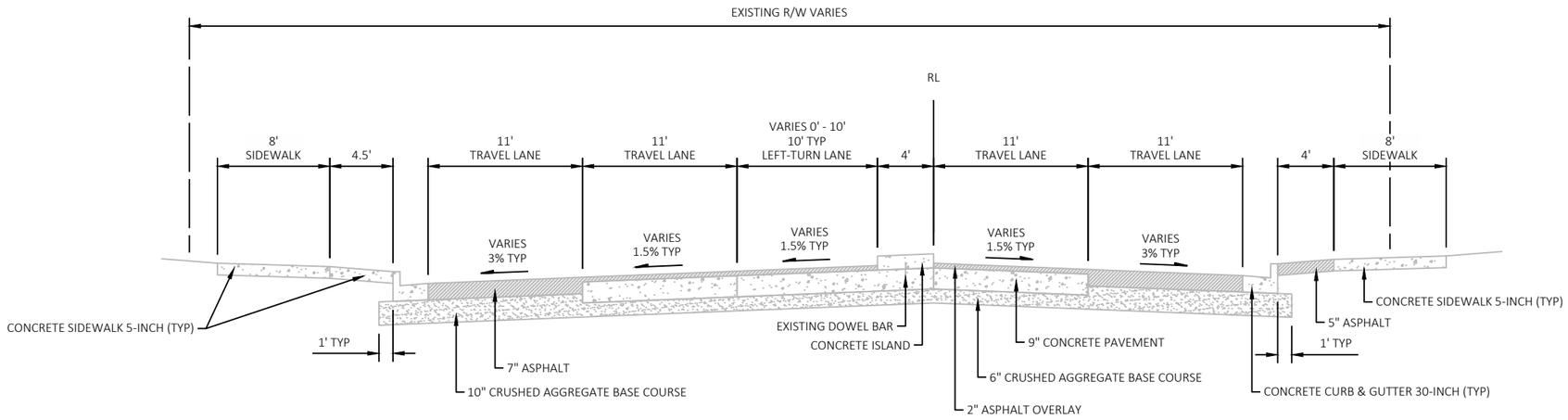
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LAYOUT NAME - 01

PLOT DATE : 11/10/2021 8:47 AM PLOT BY : AXT, ANDREW PLOT NAME : PLOT SCALE : 1 IN:40 FT



TYPICAL EXISTING SECTION
WEST AVE (STH 35)

STA 404+63 TO STA 406+03



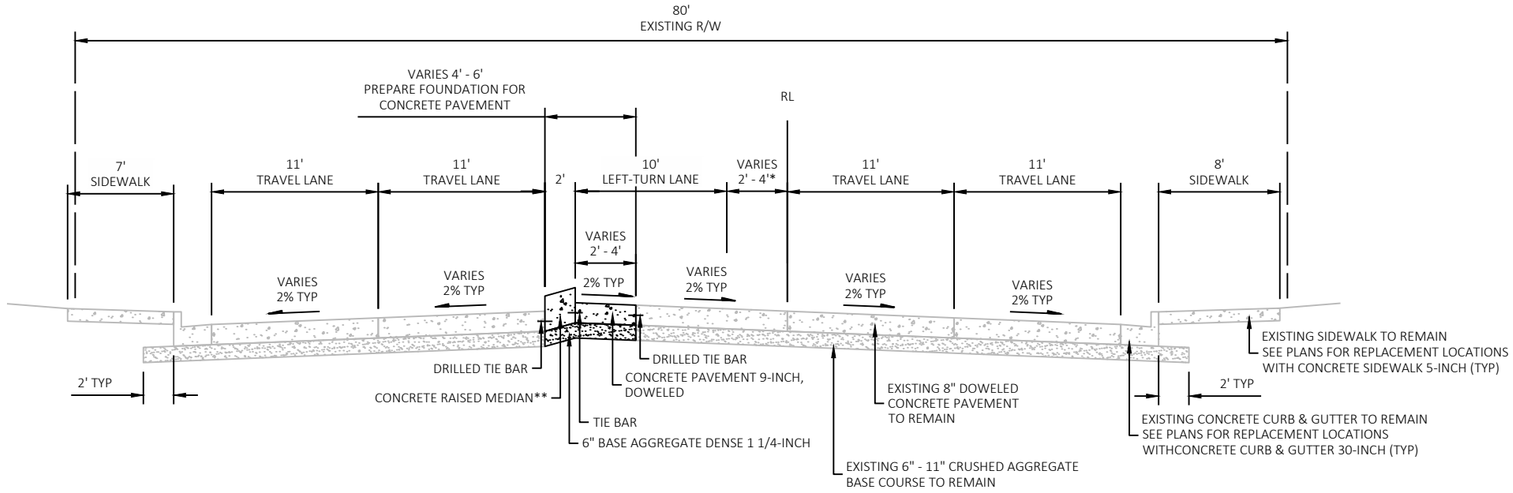
TYPICAL EXISTING SECTION
WEST AVE (STH 35)

STA 406+95 TO STA 409+00

PROJECT NO: 7575-07-70	HWY: STH 35	COUNTY: LA CROSSE	TYPICAL SECTIONS	SHEET 4	E

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PLOT BY : AXT, ANDREW
PLOT NAME :
PLOT SCALE : 1 IN:10 FT

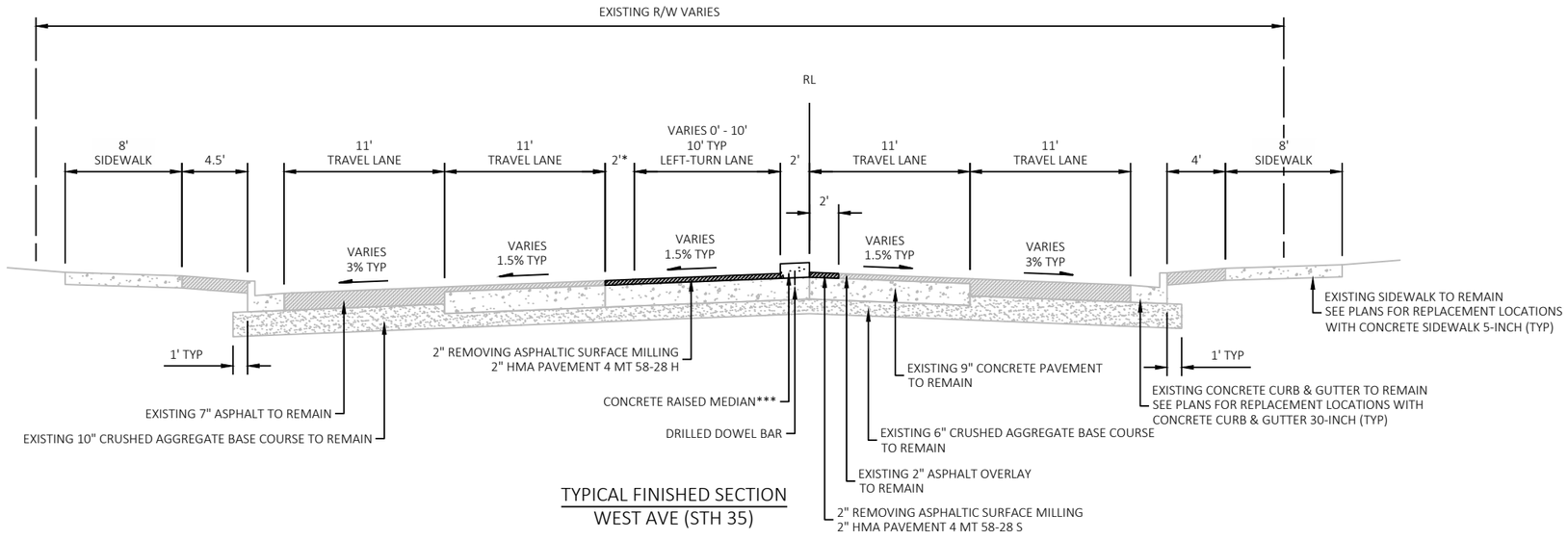
2



TYPICAL FINISHED SECTION
WEST AVE (STH 35)

STA 404+63 TO STA 406+03
V = 30 MPH

*SEPARATOR WIDTH TO BE PAVEMENT MARKED.
** SLOPE = 20% TYPICAL
*** SLOPE = 10% TO 17%

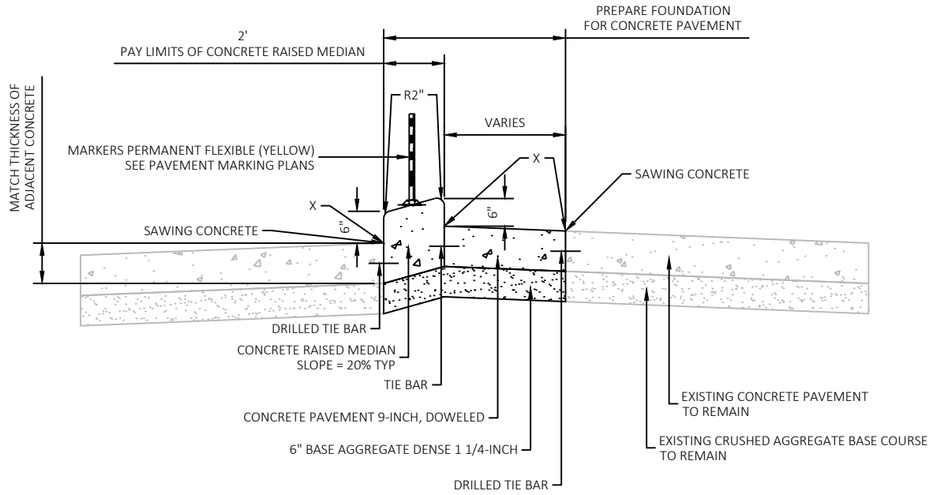


TYPICAL FINISHED SECTION
WEST AVE (STH 35)

STA 406+95 TO STA 409+00
V = 40 MPH

PROJECT NO: 7575-07-70	HWY: STH 35	COUNTY: LA CROSSE	TYPICAL SECTIONS	SHEET 5	E

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LAYOUT NAME - 06
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CONCRETE RAISED MEDIAN DETAIL

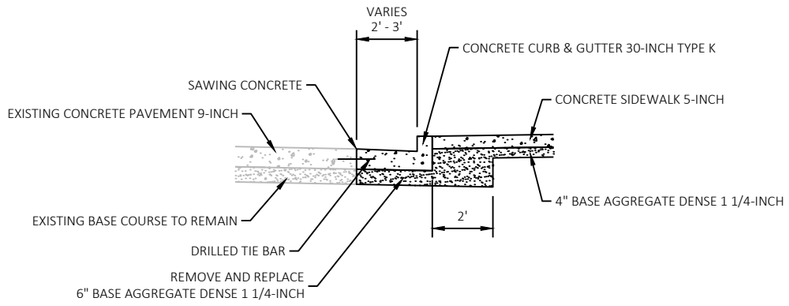
STA 404+63 TO STA 406+03

X = LOCATION OF PAVING GRADE SHOWN ON PAVEMENT DETAIL SHEETS

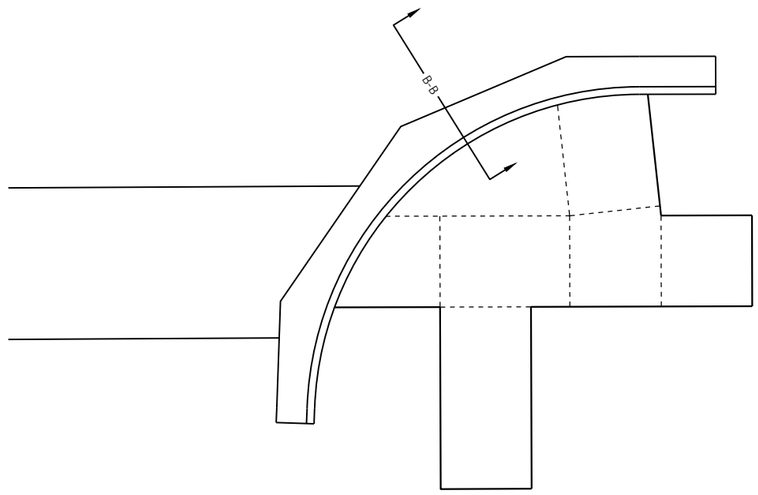
RUNOFF COEFFICIENT TABLE

	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 = 1.08 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.07 ACRES

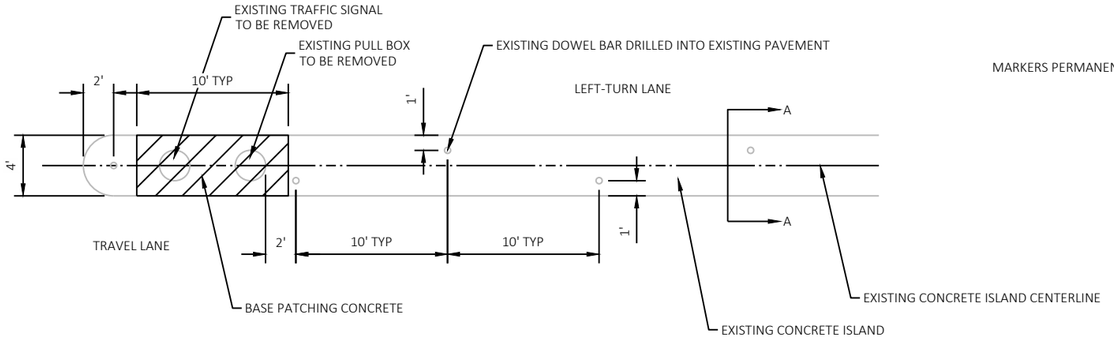


SECTION B-B

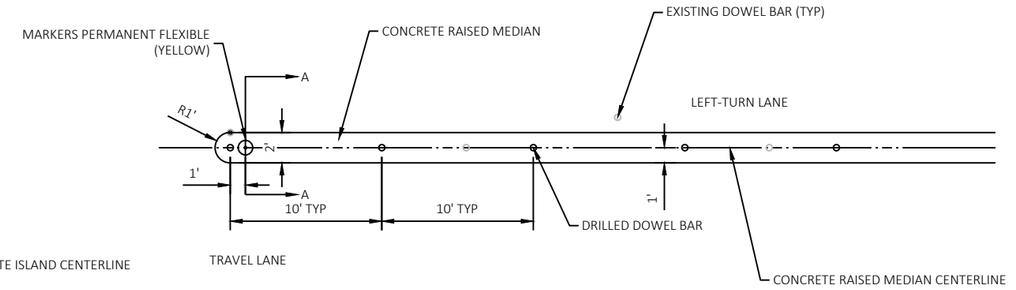


PLAN VIEW

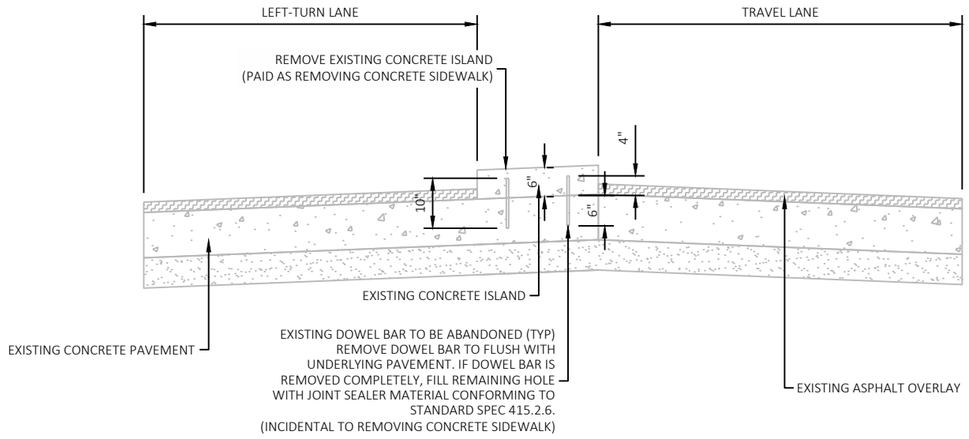
CURB & GUTTER REPLACEMENT DETAIL



PLAN VIEW

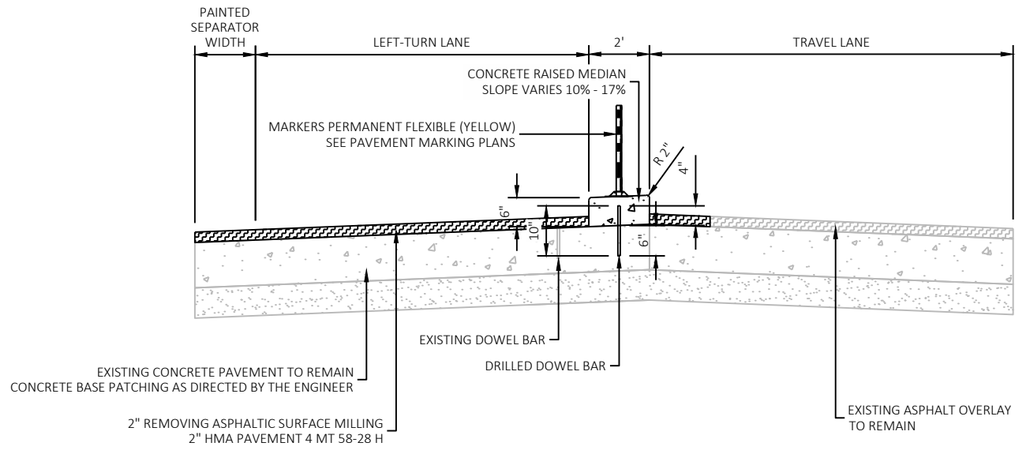


PLAN VIEW



SECTION A-A
LOOKING NORTH

EXISTING CONCRETE ISLAND REMOVAL



SECTION A-A
LOOKING NORTH

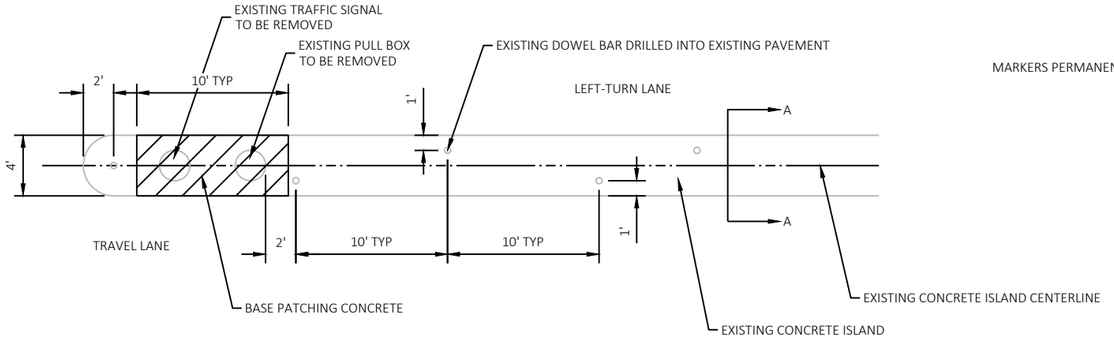
PROPOSED CONCRETE RAISED MEDIAN

CONCRETE RAISED MEDIAN DETAIL

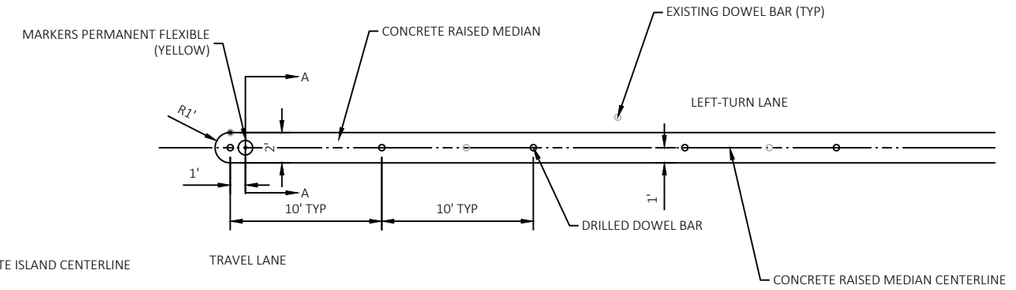
STA 406+95 TO STA 409+00

PROJECT NO: 7575-07-70	HWY: STH 16	COUNTY: LA CROSSE	CONSTRUCTION DETAILS	SHEET 7	E

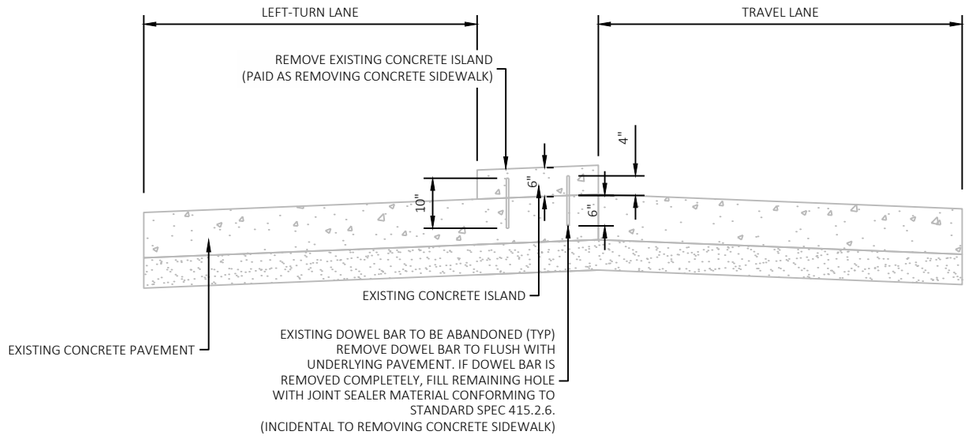
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LAYOUT NAME - 02
PLOT DATE : 10/14/2021 4:14 PM
PLOT BY : AXT, ANDREW
PLOT NAME :
PLOT SCALE : 1 IN:10 FT



PLAN VIEW

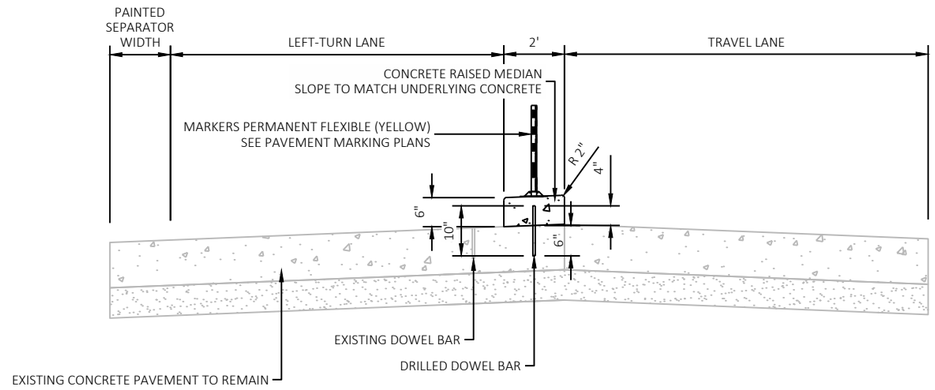


PLAN VIEW



SECTION A-A
LOOKING WEST

EXISTING CONCRETE ISLAND REMOVAL



SECTION A-A
LOOKING WEST

PROPOSED CONCRETE RAISED MEDIAN

CONCRETE RAISED MEDIAN DETAIL

STH 16/LA CROSSE ST & STH 35/WEST AVE INTERSECTION WEST LEG

West-LaCrosse						
NUMBER	BEGIN LINE (STA)	END LINE (STA)	BEGIN LINE (Y,X)	END LINE (Y,X)	LENGTH	BEARING AHEAD
L6	400+00.00	401+84.87	132866.71, 448506.85	133051.49, 448512.81	184.87'	N1°50'56.6"E
L7	401+84.87	403+10.65	133051.49, 448512.81	133177.26, 448512.07	125.78'	N0°20'20.9"W
L8	403+10.65	406+51.19	133177.26, 448512.07	133517.58, 448499.67	340.54'	N2°05'11.1"W
L9	406+51.19	408+89.39	133517.58, 448499.67	133753.69, 448468.30	238.19'	N7°34'03.0"W
L10	408+89.39	412+00.00	133753.69, 448468.30	134059.36, 448413.09	310.61'	N10°14'17.8"W

CONTROL POINTS

CP 9	STA 406+12.30, 45.40' RT	ELEV. 672.44	CHISELED "T" AT SE CORNER OF LA CROSSE ST/WEST AVE INTERSECTION
CP 8868	STA 408+78.06, 32.26' RT	ELEV. 669.78	CHISELED "T" IN SIDEWALK

BENCHMARKS

BM 8869	STA 406+94.60, 62.52' LT	ELEV. 672.36	CHISELED BOX AT SE CORNER OF CONCRETE PAD OF TRAFFIC CABINET AT NW CORNER OF LA CROSSE ST/WEST AVE INTERSECTION

N

POTENTIAL CONTAMINATION BEYOND CONSTRUCTION LIMITS

BRICK PAVERS DISTURBED DURING CONSTRUCTION SHALL BE SALVAGED AND REPLACED (INCIDENTAL TO CONCRETE SIDEWALK 5-INCH)

1200 LA CROSSE ST
ROTTINGHAUS REAL ESTATE LLC

507 WEST AVE
515 WEST AVE LLC

BRICK PAVERS DISTURBED DURING CONSTRUCTION SHALL BE SALVAGED AND REPLACED (INCIDENTAL TO CONCRETE SIDEWALK 5-INCH)

+85.4
65.1'LT
R26'
TLE

DO NOT DISTURB EXISTING CONTROL CABINET BASE

BM 8869

+15.9
72.2'LT
R34'

APPROXIMATE LOCATION OF CONTAMINATED SOIL

1201 LA CROSSE ST
JAE ENTERPRISES LLC

EXISTING R/W

WEST AVE (STH 35)

PI: 408+89.39

PI: 406+51.19

L10

L9

L8

404+00

405+00

406+00

407+00

408+00

409+00

12'

2'

HMA

CRM

CP9

CG30

SW5

PED

ASPH

WEST AVE R/L

EXISTING R/W

BEGIN PROJECT
STA 404+63
Y = 133,329.44
X = 448,506.53

530 WEST AVE
KT REAL ESTATE HOLDINGS LLC

+96.7
56.5'RT
R32'
TLE

CP 9

POTENTIAL CONTAMINATION BEYOND CONSTRUCTION LIMITS

LA CROSSE ST (STH 16)

EXISTING R/W

+23.2
58.8'RT
R35'

1221 LA CROSSE ST
PROPERTY INVESTMENT CORP

1241 LA CROSSE ST
1241 LA CROSSE ST LLC

CP 8868

END PROJECT
STA 409+00

LEGEND

CP9	CONCRETE PAVEMENT 9-INCH, DOWELED (OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH)
CRM	CONCRETE RAISED MEDIAN
CG30	CONCRETE CURB & GUTTER 30-INCH TYPE K
SW5	CONCRETE SIDEWALK 5-INCH (OVER 4" BASE AGGREGATE DENSE 1 1/4-INCH)
HMA	2" HMA PAVEMENT (ASPHALT OVERLAY OF CONCRETE BASE)
ASPH	3" ASPHALTIC SURFACE (OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH)
PED	CONCRETE CURB PEDESTRIAN
//////	SAWING ASPHALT
XXXXX	SAWING CONCRETE
- - -	SLOPE INTERCEPTS
	INLET PROTECTION TYPE C

SEE PAVEMENT DETAILS AND CURB RAMP DETAILS FOR ADDITIONAL INFORMATION

PROJECT NO: 7575-07-70	HWY: STH 16	COUNTY: LA CROSSE	PLAN DETAILS	SHEET 9	E

FILE NAME : T:\1190937.02\CIVIL3D\16410304\SHEETSPLAN\75750770\021201-PD.DWG
LAYOUT NAME - La Crosse
PLOT DATE : 11/10/2021 8:48 AM PLOT BY : AXT, ANDREW PLOT NAME : PLOT SCALE : ##########

2

2

LEGEND

###.##	PAVING GRADE
###.##(E)	PAVING GRADE (EXISTING)
*	CONCRETE MEDIAN SLOPED NOSE TYPE 2 (INCIDENTAL TO CONCRETE RAISED MEDIAN)
	REVERSE SLOPE GUTTER

N

LA CROSSE ST (STH 16)

POST

*
R1'
+58.1
120.7' LT
2'
+57.1
63.4' LT
R1'
*

WEST AVE (STH 35)

STA 404+63 TO STA 405+15
EXISTING WEST SIDE MEDIAN CURB & GUTTER TO REMAIN

ESTABLISH REVERSE SLOPE GUTTER AND MATCH EXISTING
(INCIDENTAL TO CONCRETE RAISED MEDIAN)

+62.9
12.2' LT
+62.9
9.4' LT
+15.0
13.0' LT
+15.0
12.5' LT
+15.0
13.8' LT
+42.0
13.7' LT
672.60
672.59(E)
672.58(E)
672.05(E)
672.41
672.38(E)
671.99(E)
672.38
672.33(E)
671.96(E)
672.33
672.27(E)
671.89(E)
672.04
672.13(E)
R1'
+03.1
15.5' LT
671.91(E)
*
+01.1
14.5' LT
672.09(E)
+03.1
9.5' LT
2'

404+00
405+00
406+00

ONLY

WEST AVE R/L

EXISTING R/W

EXISTING R/W

PROJECT NO: 7575-07-70	HWY: STH 16	COUNTY: LA CROSSE	PAVEMENT DETAILS	SHEET 10 E

2

LEGEND	
###.##	PAVING GRADE
###.##(E)	PAVING GRADE (EXISTING)
*	CONCRETE MEDIAN SLOPED NOSE TYPE 2 (INCIDENTAL TO CONCRETE RAISED MEDIAN)
	REVERSE SLOPE GUTTER

EXISTING R/W

EXISTING R/W

WEST AVE (STH 35)

671.62(E) 671.62(E) 671.54(E) 671.32(E) 671.11(E) 670.89(E) 670.59(E) 670.28(E) 669.90(E) 669.50(E)

+03.6 14.2' LT

+04.3 2.0' LT

+97.7 1.0' LT

R1'

671.88 671.78 671.56 671.35 671.13 670.83 670.52 670.14 669.94 669.67(E)

407+00 408+00 409+00 +00.4 3.9' LT

671.74(E) 671.44(E) 671.24(E) 671.09(E) 670.87(E) 670.63(E) 670.29(E) 669.91(E)

12'

2' 2'

+86.0 2.0' LT

+00.9 13.7' LT

+00.3 0.0'

669.47(E)

*

WEST AVE R/L

EXISTING R/W

EXISTING R/W

LA CROSSE ST (STH 16)

PROJECT NO: 7575-07-70	HWY: STH 16	COUNTY: LA CROSSE	PAVEMENT DETAILS	SHEET 11	E

LEGEND

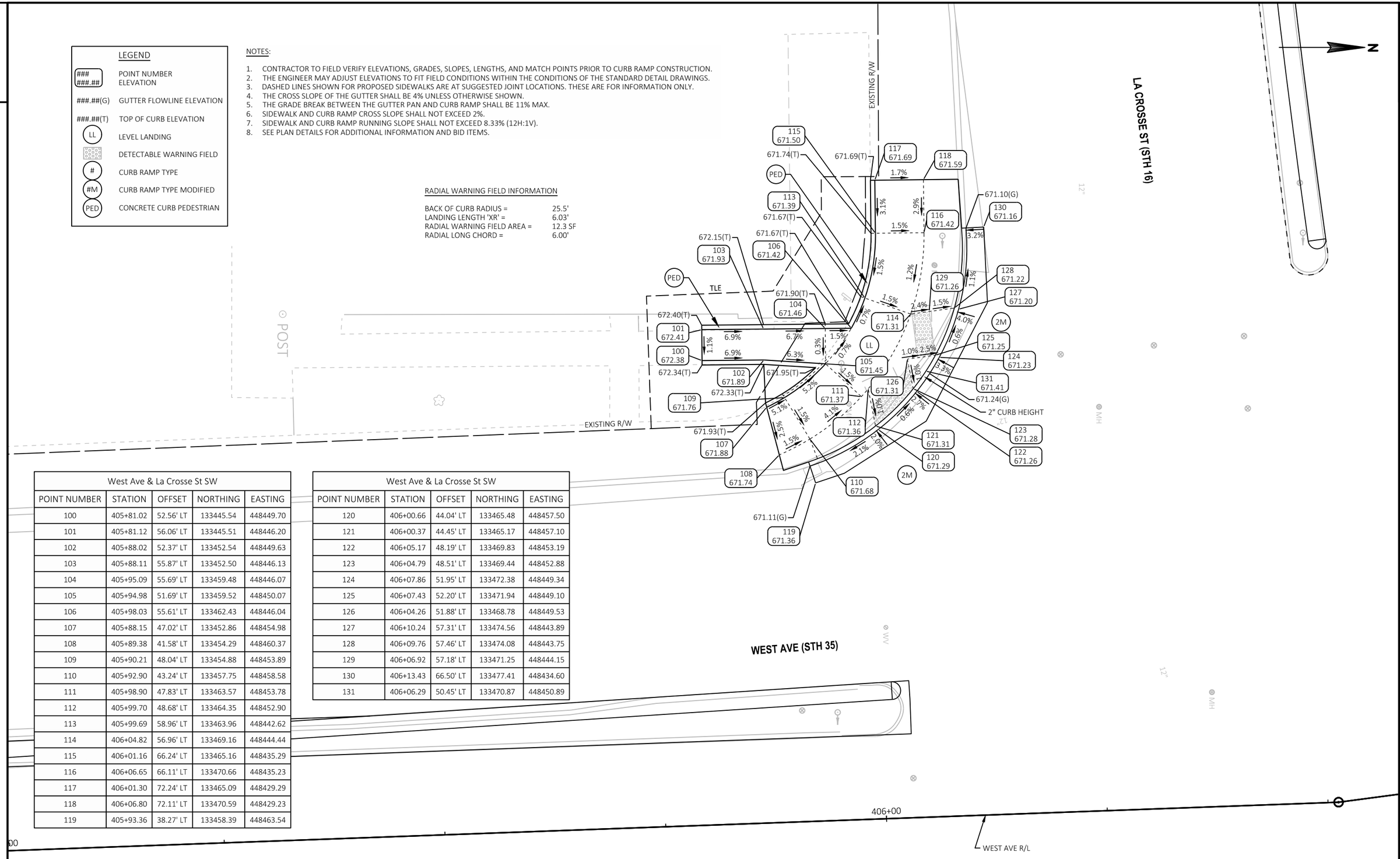
### / ###.##	POINT NUMBER / ELEVATION
###.##(G)	GUTTER FLOWLINE ELEVATION
###.##(T)	TOP OF CURB ELEVATION
LL	LEVEL LANDING
	DETECTABLE WARNING FIELD
#	CURB RAMP TYPE
#M	CURB RAMP TYPE MODIFIED
PED	CONCRETE CURB PEDESTRIAN

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS WITHIN THE CONDITIONS OF THE STANDARD DETAIL DRAWINGS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALKS ARE AT SUGGESTED JOINT LOCATIONS. THESE ARE FOR INFORMATION ONLY.
4. THE CROSS SLOPE OF THE GUTTER SHALL BE 4% UNLESS OTHERWISE SHOWN.
5. THE GRADE BREAK BETWEEN THE GUTTER PAN AND CURB RAMP SHALL BE 11% MAX.
6. SIDEWALK AND CURB RAMP CROSS SLOPE SHALL NOT EXCEED 2%.
7. SIDEWALK AND CURB RAMP RUNNING SLOPE SHALL NOT EXCEED 8.33% (12H:1V).
8. SEE PLAN DETAILS FOR ADDITIONAL INFORMATION AND BID ITEMS.

RADIAL WARNING FIELD INFORMATION

BACK OF CURB RADIUS =	25.5'
LANDING LENGTH 'XR' =	6.03'
RADIAL WARNING FIELD AREA =	12.3 SF
RADIAL LONG CHORD =	6.00'



West Ave & La Crosse St SW				
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING
100	405+81.02	52.56' LT	133445.54	448449.70
101	405+81.12	56.06' LT	133445.51	448446.20
102	405+88.02	52.37' LT	133452.54	448449.63
103	405+88.11	55.87' LT	133452.50	448446.13
104	405+95.09	55.69' LT	133459.48	448446.07
105	405+94.98	51.69' LT	133459.52	448450.07
106	405+98.03	55.61' LT	133462.43	448446.04
107	405+88.15	47.02' LT	133452.86	448454.98
108	405+89.38	41.58' LT	133454.29	448460.37
109	405+90.21	48.04' LT	133454.88	448453.89
110	405+92.90	43.24' LT	133457.75	448458.58
111	405+98.90	47.83' LT	133463.57	448453.78
112	405+99.70	48.68' LT	133464.35	448452.90
113	405+99.69	58.96' LT	133463.96	448442.62
114	406+04.82	56.96' LT	133469.16	448444.44
115	406+01.16	66.24' LT	133465.16	448435.29
116	406+06.65	66.11' LT	133470.66	448435.23
117	406+01.30	72.24' LT	133465.09	448429.29
118	406+06.80	72.11' LT	133470.59	448429.23
119	405+93.36	38.27' LT	133458.39	448463.54

West Ave & La Crosse St SW				
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING
120	406+00.66	44.04' LT	133465.48	448457.50
121	406+00.37	44.45' LT	133465.17	448457.10
122	406+05.17	48.19' LT	133469.83	448453.19
123	406+04.79	48.51' LT	133469.44	448452.88
124	406+07.86	51.95' LT	133472.38	448449.34
125	406+07.43	52.20' LT	133471.94	448449.10
126	406+04.26	51.88' LT	133468.78	448449.53
127	406+10.24	57.31' LT	133474.56	448443.89
128	406+09.76	57.46' LT	133474.08	448443.75
129	406+06.92	57.18' LT	133471.25	448444.15
130	406+13.43	66.50' LT	133477.41	448434.60
131	406+06.29	50.45' LT	133470.87	448450.89

PROJECT NO: 7575-07-70	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAILS	SHEET 12	E

FILE NAME : T:\1190937.02\CIVIL3D\16410304\SHEETSPLAN\75750770\021301-CR.DWG
LAYOUT NAME - LAX-SW
PLOT DATE : 10/14/2021 4:16 PM
PLOT BY : AXT, ANDREW
PLOT NAME :
PLOT SCALE : 1 IN:10 FT

LEGEND

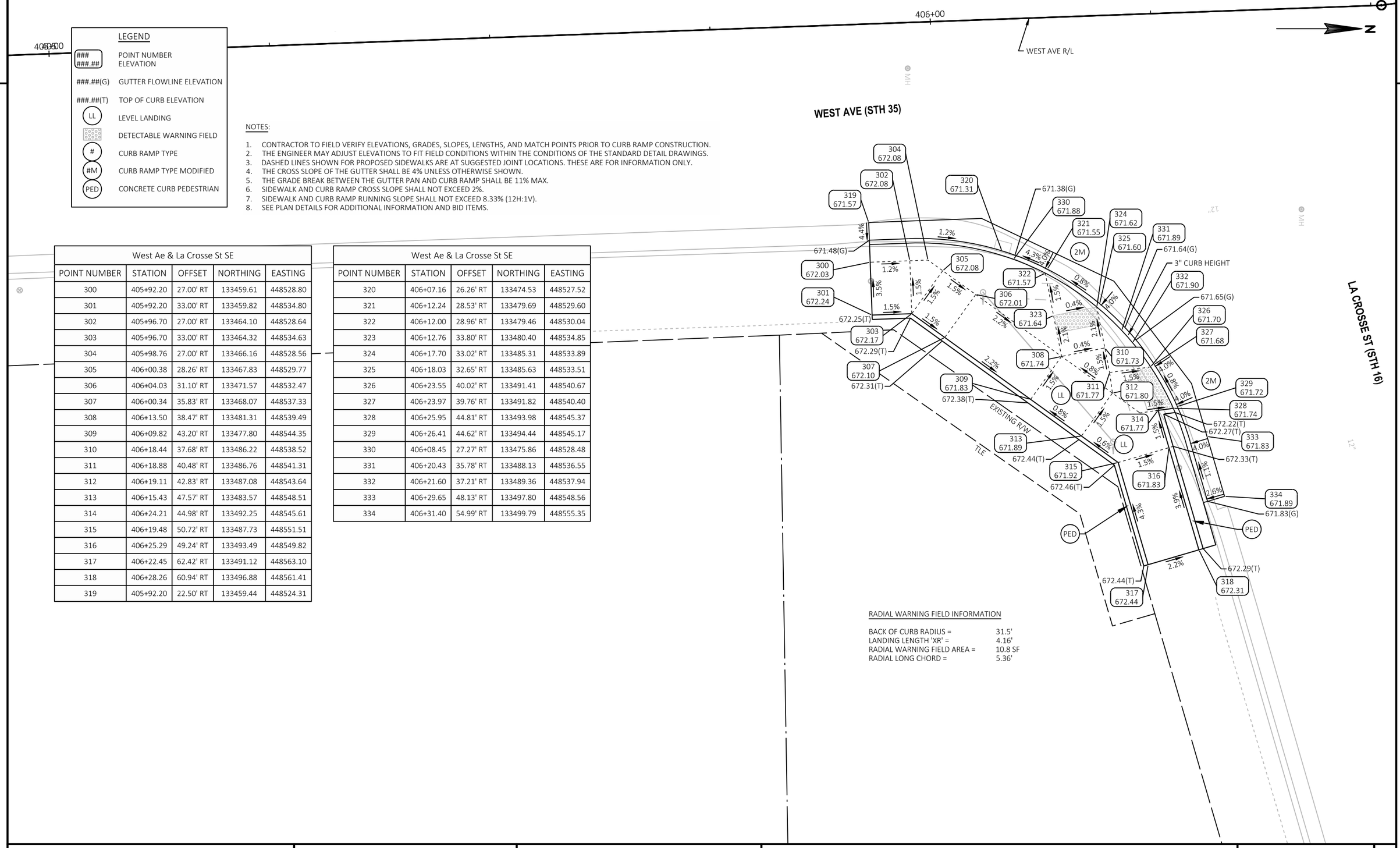
### / ###.##	POINT NUMBER / ELEVATION
###.##(G)	GUTTER FLOWLINE ELEVATION
###.##(T)	TOP OF CURB ELEVATION
LL	LEVEL LANDING
	DETECTABLE WARNING FIELD
#	CURB RAMP TYPE
#M	CURB RAMP TYPE MODIFIED
PED	CONCRETE CURB PEDESTRIAN

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS WITHIN THE CONDITIONS OF THE STANDARD DETAIL DRAWINGS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALKS ARE AT SUGGESTED JOINT LOCATIONS. THESE ARE FOR INFORMATION ONLY.
4. THE CROSS SLOPE OF THE GUTTER SHALL BE 4% UNLESS OTHERWISE SHOWN.
5. THE GRADE BREAK BETWEEN THE GUTTER PAN AND CURB RAMP SHALL BE 11% MAX.
6. SIDEWALK AND CURB RAMP CROSS SLOPE SHALL NOT EXCEED 2%.
7. SIDEWALK AND CURB RAMP RUNNING SLOPE SHALL NOT EXCEED 8.33% (12H:1V).
8. SEE PLAN DETAILS FOR ADDITIONAL INFORMATION AND BID ITEMS.

West Ae & La Crosse St SE				
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING
300	405+92.20	27.00' RT	133459.61	448528.80
301	405+92.20	33.00' RT	133459.82	448534.80
302	405+96.70	27.00' RT	133464.10	448528.64
303	405+96.70	33.00' RT	133464.32	448534.63
304	405+98.76	27.00' RT	133466.16	448528.56
305	406+00.38	28.26' RT	133467.83	448529.77
306	406+04.03	31.10' RT	133471.57	448532.47
307	406+00.34	35.83' RT	133468.07	448537.33
308	406+13.50	38.47' RT	133481.31	448539.49
309	406+09.82	43.20' RT	133477.80	448544.35
310	406+18.44	37.68' RT	133486.22	448538.52
311	406+18.88	40.48' RT	133486.76	448541.31
312	406+19.11	42.83' RT	133487.08	448543.64
313	406+15.43	47.57' RT	133483.57	448548.51
314	406+24.21	44.98' RT	133492.25	448545.61
315	406+19.48	50.72' RT	133487.73	448551.51
316	406+25.29	49.24' RT	133493.49	448549.82
317	406+22.45	62.42' RT	133491.12	448563.10
318	406+28.26	60.94' RT	133496.88	448561.41
319	405+92.20	22.50' RT	133459.44	448524.31

West Ae & La Crosse St SE				
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING
320	406+07.16	26.26' RT	133474.53	448527.52
321	406+12.24	28.53' RT	133479.69	448529.60
322	406+12.00	28.96' RT	133479.46	448530.04
323	406+12.76	33.80' RT	133480.40	448534.85
324	406+17.70	33.02' RT	133485.31	448533.89
325	406+18.03	32.65' RT	133485.63	448533.51
326	406+23.55	40.02' RT	133491.41	448540.67
327	406+23.97	39.76' RT	133491.82	448540.40
328	406+25.95	44.81' RT	133493.98	448545.37
329	406+26.41	44.62' RT	133494.44	448545.17
330	406+08.45	27.27' RT	133475.86	448528.48
331	406+20.43	35.78' RT	133488.13	448536.55
332	406+21.60	37.21' RT	133489.36	448537.94
333	406+29.65	48.13' RT	133497.80	448548.56
334	406+31.40	54.99' RT	133499.79	448555.35

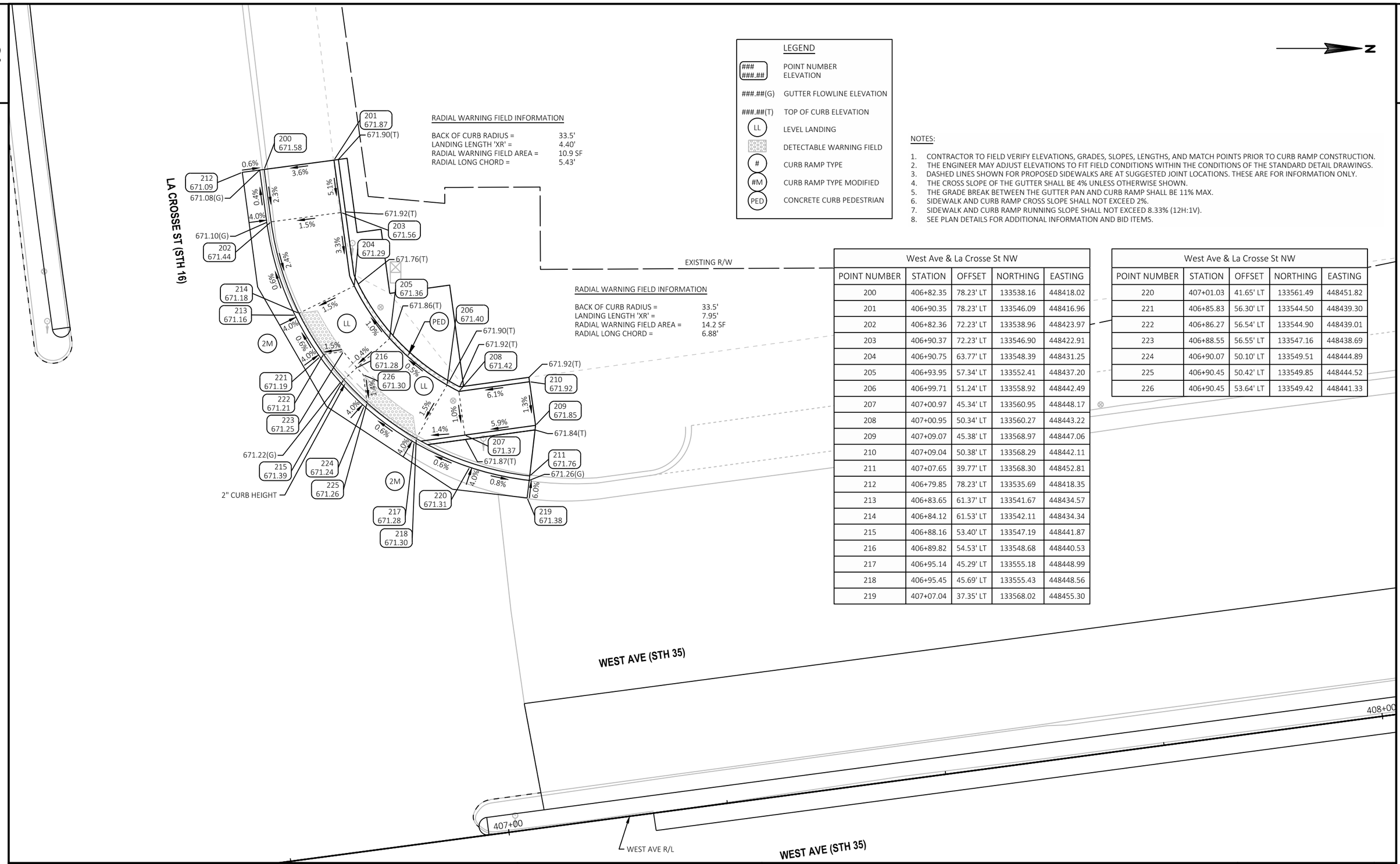


RADIAL WARNING FIELD INFORMATION

BACK OF CURB RADIUS =	31.5'
LANDING LENGTH 'XR' =	4.16'
RADIAL WARNING FIELD AREA =	10.8 SF
RADIAL LONG CHORD =	5.36'

PROJECT NO: 7575-07-70	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAILS	SHEET 13	E

FILE NAME : T:\1190937.02\CIVIL3D\16410304\SHEETSPLAN\75750770\021301-CR.DWG
LAYOUT NAME - LAX-SE
PLOT DATE : 10/14/2021 4:16 PM
PLOT BY : AXT, ANDREW
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



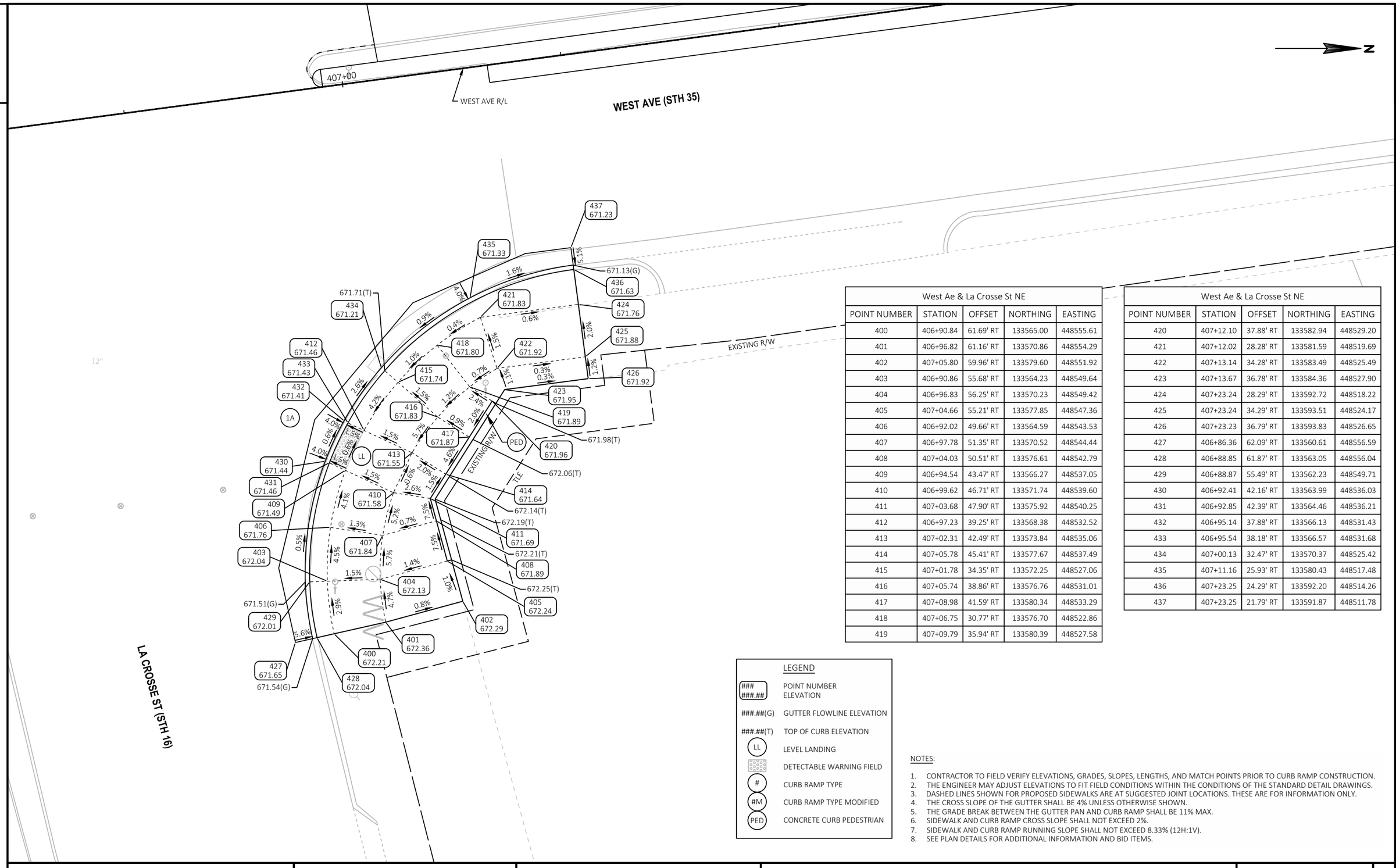
NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS WITHIN THE CONDITIONS OF THE STANDARD DETAIL DRAWINGS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALKS ARE AT SUGGESTED JOINT LOCATIONS. THESE ARE FOR INFORMATION ONLY.
4. THE CROSS SLOPE OF THE GUTTER SHALL BE 4% UNLESS OTHERWISE SHOWN.
5. THE GRADE BREAK BETWEEN THE GUTTER PAN AND CURB RAMP SHALL BE 11% MAX.
6. SIDEWALK AND CURB RAMP CROSS SLOPE SHALL NOT EXCEED 2%.
7. SIDEWALK AND CURB RAMP RUNNING SLOPE SHALL NOT EXCEED 8.33% (12H:1V).
8. SEE PLAN DETAILS FOR ADDITIONAL INFORMATION AND BID ITEMS.

West Ave & La Crosse St NW				
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING
200	406+82.35	78.23' LT	133538.16	448418.02
201	406+90.35	78.23' LT	133546.09	448416.96
202	406+82.36	72.23' LT	133538.96	448423.97
203	406+90.37	72.23' LT	133546.90	448422.91
204	406+90.75	63.77' LT	133548.39	448431.25
205	406+93.95	57.34' LT	133552.41	448437.20
206	406+99.71	51.24' LT	133558.92	448442.49
207	407+00.97	45.34' LT	133560.95	448448.17
208	407+00.95	50.34' LT	133560.27	448443.22
209	407+09.07	45.38' LT	133568.97	448447.06
210	407+09.04	50.38' LT	133568.29	448442.11
211	407+07.65	39.77' LT	133568.30	448452.81
212	406+79.85	78.23' LT	133535.69	448418.35
213	406+83.65	61.37' LT	133541.67	448434.57
214	406+84.12	61.53' LT	133542.11	448434.34
215	406+88.16	53.40' LT	133547.19	448441.87
216	406+89.82	54.53' LT	133548.68	448440.53
217	406+95.14	45.29' LT	133555.18	448448.99
218	406+95.45	45.69' LT	133555.43	448448.56
219	407+07.04	37.35' LT	133568.02	448455.30

West Ave & La Crosse St NW				
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING
220	407+01.03	41.65' LT	133561.49	448451.82
221	406+85.83	56.30' LT	133544.50	448439.30
222	406+86.27	56.54' LT	133544.90	448439.01
223	406+88.55	56.55' LT	133547.16	448438.69
224	406+90.07	50.10' LT	133549.51	448444.89
225	406+90.45	50.42' LT	133549.85	448444.52
226	406+90.45	53.64' LT	133549.42	448441.33

PROJECT NO: 7575-07-70	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAILS	SHEET 14	E



West Ae & La Crosse St NE				
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING
400	406+90.84	61.69' RT	133565.00	448555.61
401	406+96.82	61.16' RT	133570.86	448554.29
402	407+05.80	59.96' RT	133579.60	448551.92
403	406+90.86	55.68' RT	133564.23	448549.64
404	406+96.83	56.25' RT	133570.23	448549.42
405	407+04.66	55.21' RT	133577.85	448547.36
406	406+92.02	49.66' RT	133564.59	448543.53
407	406+97.78	51.35' RT	133570.52	448544.44
408	407+04.03	50.51' RT	133576.61	448542.79
409	406+94.54	43.47' RT	133566.27	448537.05
410	406+99.62	46.71' RT	133571.74	448539.60
411	407+03.68	47.90' RT	133575.92	448540.25
412	406+97.23	39.25' RT	133568.38	448532.52
413	407+02.31	42.49' RT	133573.84	448535.06
414	407+05.78	45.41' RT	133577.67	448537.49
415	407+01.78	34.35' RT	133572.25	448527.06
416	407+05.74	38.86' RT	133576.76	448531.01
417	407+08.98	41.59' RT	133580.34	448533.29
418	407+06.75	30.77' RT	133576.70	448522.86
419	407+09.79	35.94' RT	133580.39	448527.58

West Ae & La Crosse St NE				
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING
420	407+12.10	37.88' RT	133582.94	448529.20
421	407+12.02	28.28' RT	133581.59	448519.69
422	407+13.14	34.28' RT	133583.49	448525.49
423	407+13.67	36.78' RT	133584.36	448527.90
424	407+23.24	28.29' RT	133592.72	448518.22
425	407+23.24	34.29' RT	133593.51	448524.17
426	407+23.23	36.79' RT	133593.83	448526.65
427	406+86.36	62.09' RT	133560.61	448556.59
428	406+88.85	61.87' RT	133563.05	448556.04
429	406+88.87	55.49' RT	133562.23	448549.71
430	406+92.41	42.16' RT	133563.99	448536.03
431	406+92.85	42.39' RT	133564.46	448536.21
432	406+95.14	37.88' RT	133566.13	448531.43
433	406+95.54	38.18' RT	133566.57	448531.68
434	407+00.13	32.47' RT	133570.37	448525.42
435	407+11.16	25.93' RT	133580.43	448517.48
436	407+23.25	24.29' RT	133592.20	448514.26
437	407+23.25	21.79' RT	133591.87	448511.78

LEGEND

### ###.##	POINT NUMBER ELEVATION
###.##(G)	GUTTER FLOWLINE ELEVATION
###.##(T)	TOP OF CURB ELEVATION
LL	LEVEL LANDING
	DETECTABLE WARNING FIELD
#	CURB RAMP TYPE
#M	CURB RAMP TYPE MODIFIED
PED	CONCRETE CURB PEDESTRIAN

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS WITHIN THE CONDITIONS OF THE STANDARD DETAIL DRAWINGS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALKS ARE AT SUGGESTED JOINT LOCATIONS. THESE ARE FOR INFORMATION ONLY.
4. THE CROSS SLOPE OF THE GUTTER SHALL BE 4% UNLESS OTHERWISE SHOWN.
5. THE GRADE BREAK BETWEEN THE GUTTER PAN AND CURB RAMP SHALL BE 11% MAX.
6. SIDEWALK AND CURB RAMP CROSS SLOPE SHALL NOT EXCEED 2%.
7. SIDEWALK AND CURB RAMP RUNNING SLOPE SHALL NOT EXCEED 8.33% (12H:1V).
8. SEE PLAN DETAILS FOR ADDITIONAL INFORMATION AND BID ITEMS.

PROJECT NO: 7575-07-70	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAILS	SHEET 15	E

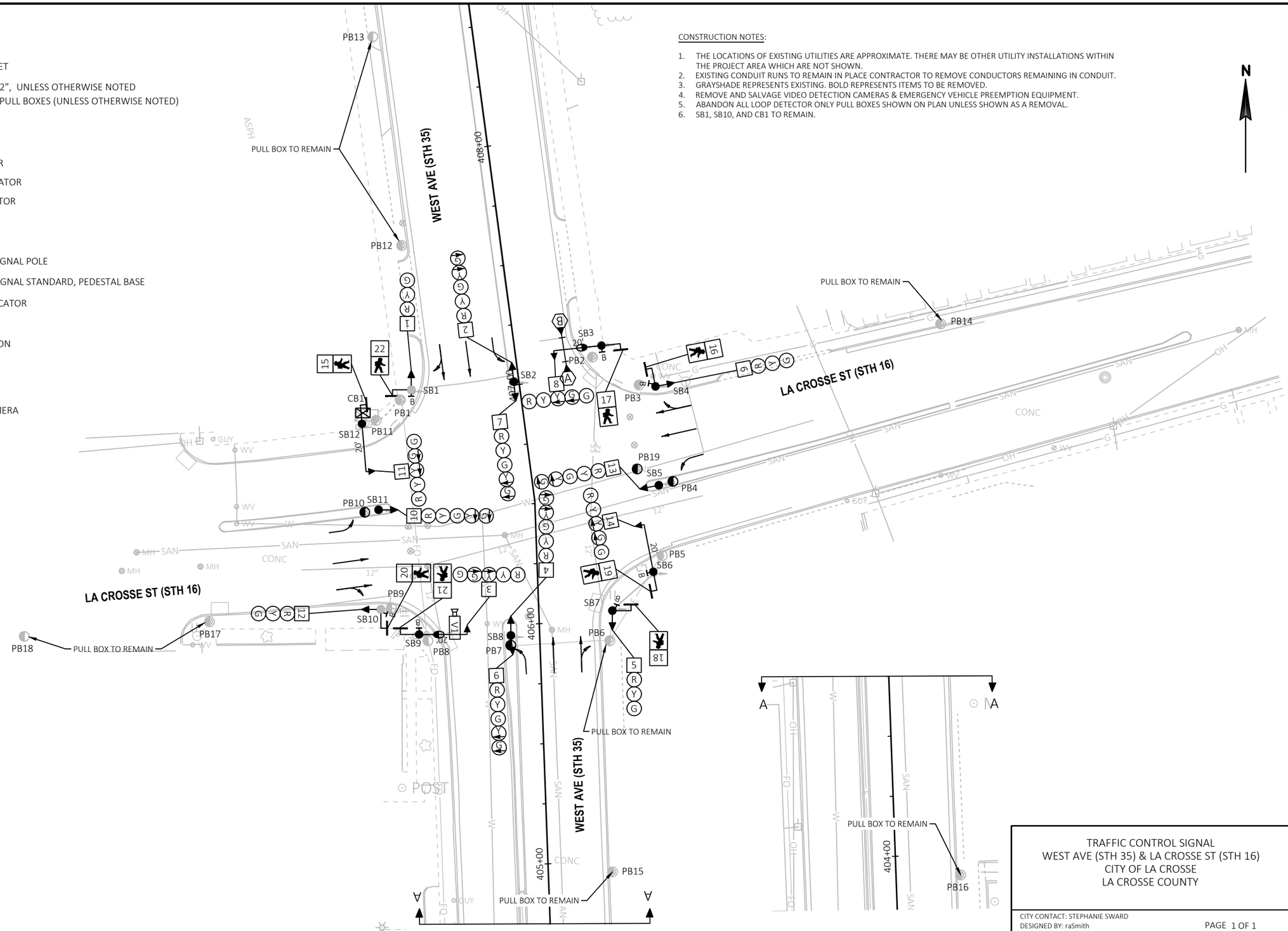
2

LEGEND

- TRAFFIC CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- ADJUSTING / REMOVING PULL BOXES (UNLESS OTHERWISE NOTED)
- LUMINAIRE
- XX — SIGNAL HEAD NUMBER
- R — RED CIRCULAR INDICATOR
- Y — YELLOW CIRCULAR INDICATOR
- G — GREEN CIRCULAR INDICATOR
- R — RED ARROW
- Y — YELLOW ARROW
- SIGNAL HEAD, TRAFFIC SIGNAL POLE
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- WALK/DON'T WALK INDICATOR
- PEDESTRIAN HEAD
- B — PEDESTRIAN PUSH BUTTON
- X — EVP DESIGNATOR
- EVP DETECTOR HEAD
- VX — VEHICLE DETECTION CAMERA

CONSTRUCTION NOTES:

1. THE LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN.
2. EXISTING CONDUIT RUNS TO REMAIN IN PLACE CONTRACTOR TO REMOVE CONDUCTORS REMAINING IN CONDUIT.
3. GRAYSHADE REPRESENTS EXISTING. BOLD REPRESENTS ITEMS TO BE REMOVED.
4. REMOVE AND SALVAGE VIDEO DETECTION CAMERAS & EMERGENCY VEHICLE PREEMPTION EQUIPMENT.
5. ABANDON ALL LOOP DETECTOR ONLY PULL BOXES SHOWN ON PLAN UNLESS SHOWN AS A REMOVAL.
6. SB1, SB10, AND CB1 TO REMAIN.



TRAFFIC CONTROL SIGNAL
WEST AVE (STH 35) & LA CROSSE ST (STH 16)
CITY OF LA CROSSE
LA CROSSE COUNTY

CITY CONTACT: STEPHANIE SWARD
DESIGNED BY: raSmith
REVISED BY:

PAGE 1 OF 1

PROJECT NO: 7575-07-70	HWY: STH 16	COUNTY: LA CROSSE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 16	E

FILE NAME : T:\1190937.02\CIVIL3D\16410304\SHEETSPLAN\75750770\024001-SR.DWG
LAYOUT NAME - La Crosse
PLOT DATE : 10/14/2021 4:16 PM
PLOT BY : AXT, ANDREW
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WOOD POLE, CLASS 4
- SPAN WIRE
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- XX — SIGNAL HEAD NUMBER
- R — RED CIRCULAR INDICATOR
- Y — YELLOW CIRCULAR INDICATOR
- G — GREEN CIRCULAR INDICATOR
- R — RED ARROW
- Y — YELLOW ARROW
- G — GREEN ARROW
- TRAFFIC SIGNAL STANDARD BASE
- MONOTUBE BASE FOR 35'-45' ARM
- PEDESTRIAN HEAD
- WALK/DON'T WALK INDICATOR

SIGNAL HEAD TO BE BAGGED

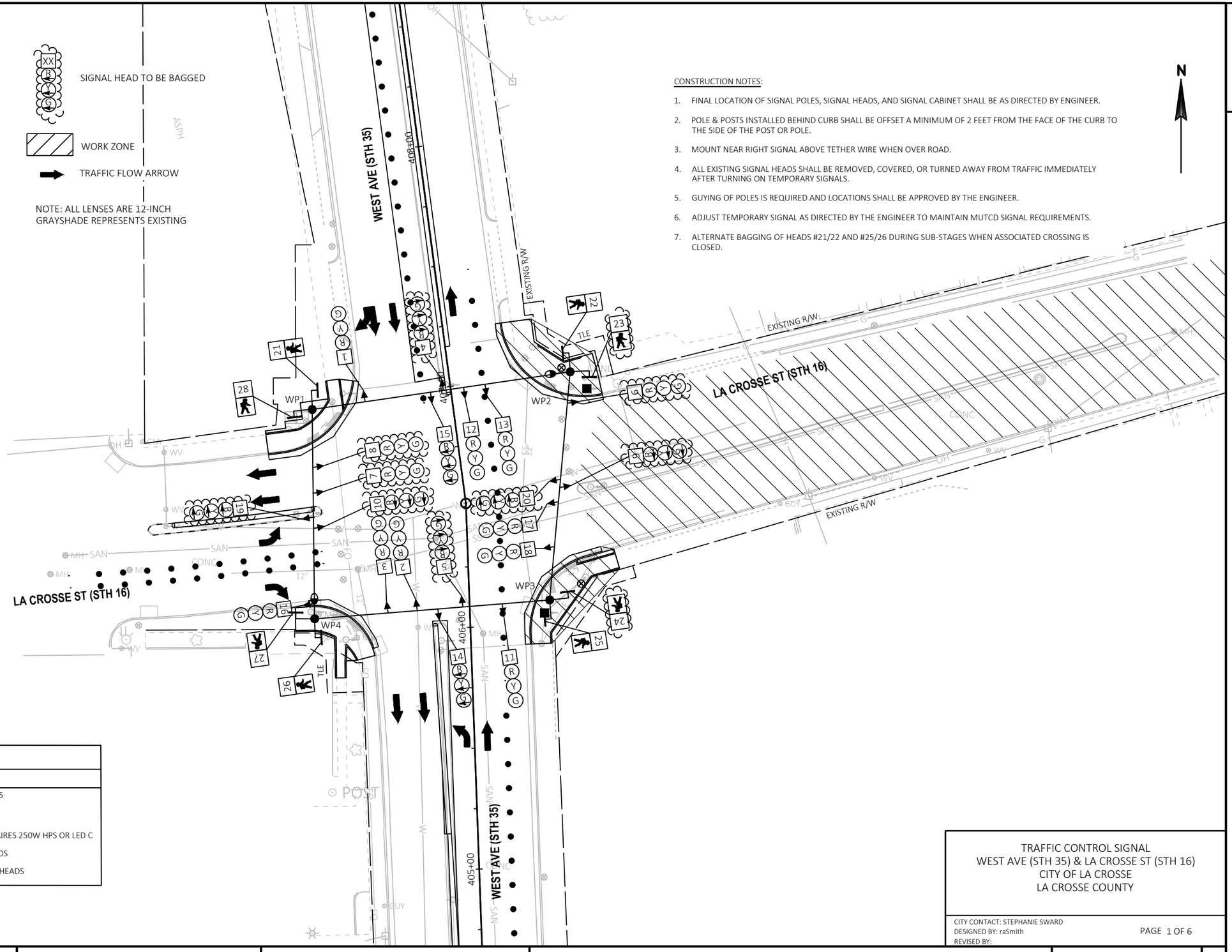
WORK ZONE

TRAFFIC FLOW ARROW

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

CONSTRUCTION NOTES:

1. FINAL LOCATION OF SIGNAL POLES, SIGNAL HEADS, AND SIGNAL CABINET SHALL BE AS DIRECTED BY ENGINEER.
2. POLE & POSTS INSTALLED BEHIND CURB SHALL BE OFFSET A MINIMUM OF 2 FEET FROM THE FACE OF THE CURB TO THE SIDE OF THE POST OR POLE.
3. MOUNT NEAR RIGHT SIGNAL ABOVE TETHER WIRE WHEN OVER ROAD.
4. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.
5. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
6. ADJUST TEMPORARY SIGNAL AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
7. ALTERNATE BAGGING OF HEADS #21/22 AND #25/26 DURING SUB-STAGES WHEN ASSOCIATED CROSSING IS CLOSED.



SUMMARY OF MATERIALS (FOR INFORMATION ONLY)		
QUANTITY	UNIT	DESCRIPTION
4	EA	CLASS 4 WOOD POLES
367	LF	SPAN WIRE
2	EA	TEMPORARY LUMINAIRES 250W HPS OR LED C
20	EA	TRAFFIC SIGNAL HEADS
8	EA	PEDESTRIAN SIGNAL HEADS

TRAFFIC CONTROL SIGNAL
WEST AVE (STH 35) & LA CROSSE ST (STH 16)
CITY OF LA CROSSE
LA CROSSE COUNTY

CITY CONTACT: STEPHANIE SWARD
DESIGNED BY: raSmith
REVISED BY:

PAGE 1 OF 6

PROJECT NO: 7575-07-70	HWY: STH 16	COUNTY: LA CROSSE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGES 1A & 1B	SHEET 17	E

FILE NAME : T:\1190937.02\CIVIL3D\16410304\SHEETSPLAN\75750770\024101-ST1A-1B-LACROSSE.DWG
LAYOUT NAME - La Crosse
PLOT DATE : 10/14/2021 4:17 PM
PLOT BY : AXT, ANDREW
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

LEGEND

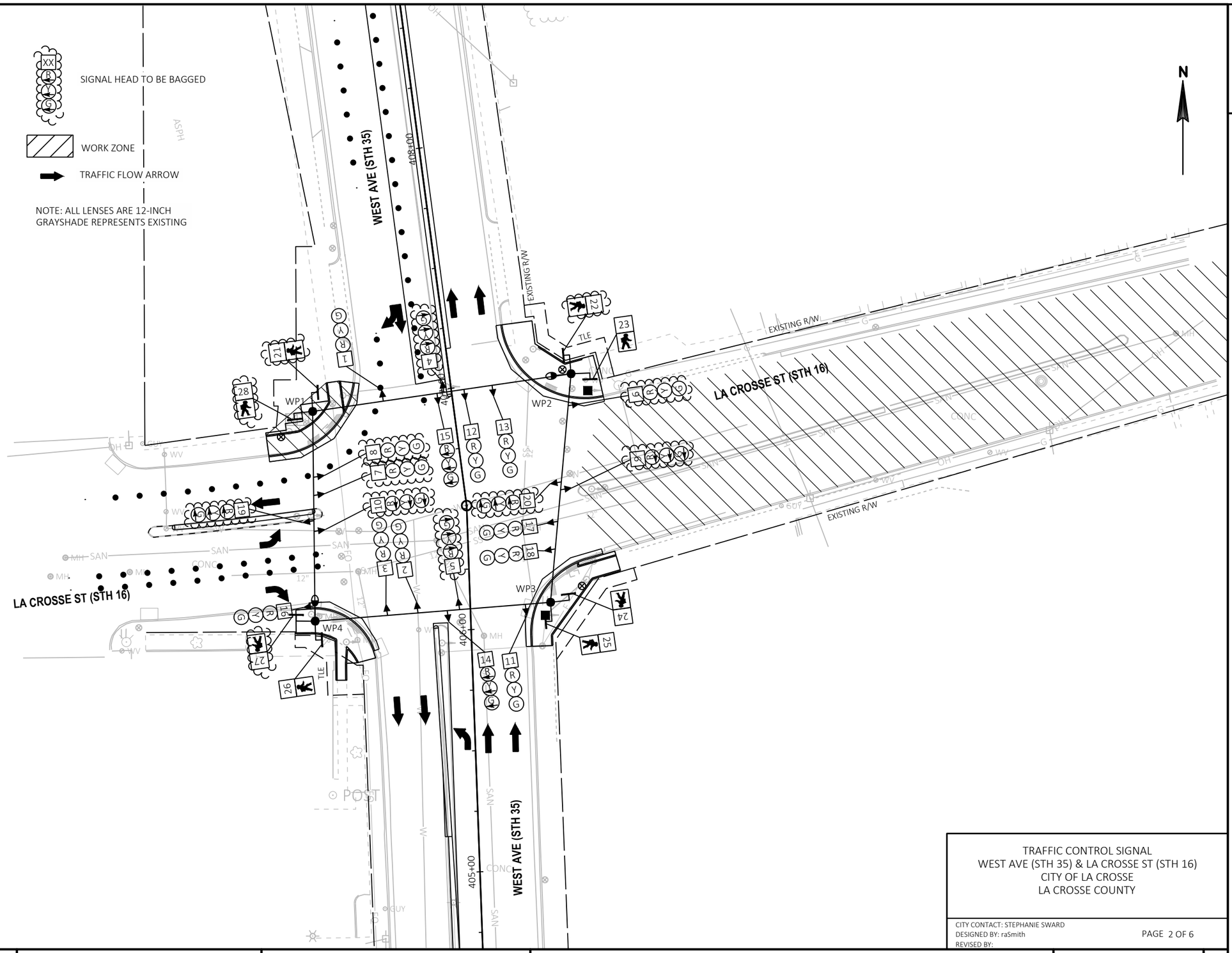
- WOOD POLE, CLASS 4
- SPAN WIRE
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- Y YELLOW ARROW
- G GREEN ARROW
- TRAFFIC SIGNAL STANDARD BASE
- MONOTUBE BASE FOR 35'-45' ARM
- PEDESTRIAN HEAD
- WALK/DON'T WALK INDICATOR

XX SIGNAL HEAD TO BE BAGGED

WORK ZONE

TRAFFIC FLOW ARROW

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING



TRAFFIC CONTROL SIGNAL
WEST AVE (STH 35) & LA CROSSE ST (STH 16)
CITY OF LA CROSSE
LA CROSSE COUNTY

CITY CONTACT: STEPHANIE SWARD
DESIGNED BY: raSmith
REVISED BY:

PAGE 2 OF 6

PROJECT NO: 7575-07-70	HWY: STH 16	COUNTY: LA CROSSE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2A	SHEET 18	E

FILE NAME : T:\1190937.02\CIVIL3D\16410304\SHEETSPLAN\75750770\024101-ST2A-LACROSSE.DWG
LAYOUT NAME - La Crosse

PLOT DATE : 10/14/2021 4:17 PM PLOT BY : AXT, ANDREW PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

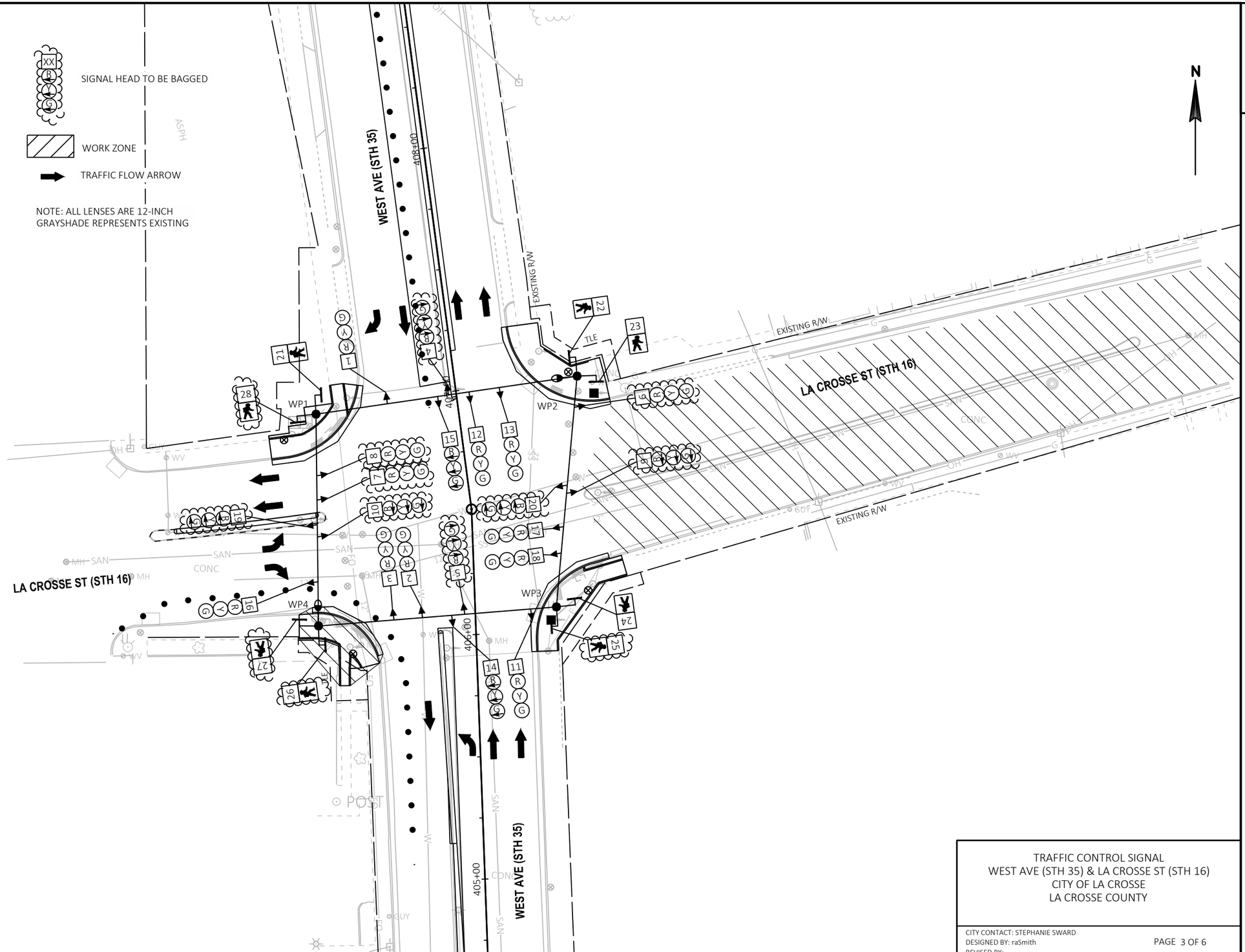
- WOOD POLE, CLASS 4
- SPAN WIRE
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- Y YELLOW ARROW
- G GREEN ARROW
- TRAFFIC SIGNAL STANDARD BASE
- MONOTUBE BASE FOR 35'-45' ARM
- PEDESTRIAN HEAD
- WALK/DON'T WALK INDICATOR

XX SIGNAL HEAD TO BE BAGGED

WORK ZONE

TRAFFIC FLOW ARROW

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING



TRAFFIC CONTROL SIGNAL
WEST AVE (STH 35) & LA CROSSE ST (STH 16)
CITY OF LA CROSSE
LA CROSSE COUNTY

CITY CONTACT: STEPHANIE SWARD
DESIGNED BY: raSmith
REVISED BY:

PAGE 3 OF 6

PROJECT NO: 7575-07-70	HWY: STH 16	COUNTY: LA CROSSE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2B	SHEET 19	E

FILE NAME : T:\1190937.02\CIVIL3D\16410304\SHEETSPLAN\75750770\024101-ST2B-LACROSSE.DWG
LAYOUT NAME - La Crosse

PLOT DATE : 10/14/2021 4:18 PM PLOT BY : AXT, ANDREW PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

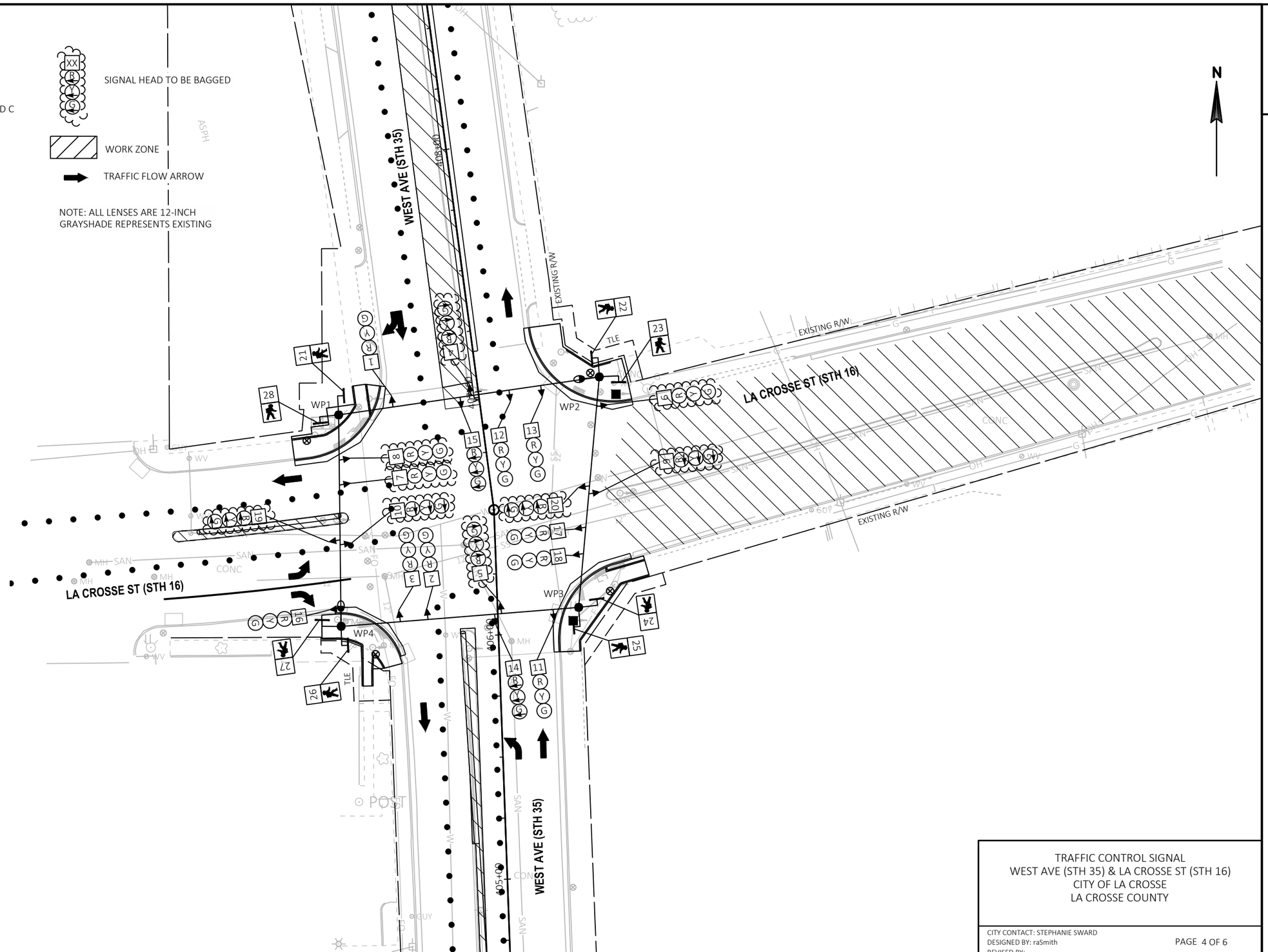
- WOOD POLE, CLASS 4
- SPAN WIRE
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- Y YELLOW ARROW
- G GREEN ARROW
- TRAFFIC SIGNAL STANDARD BASE
- MONOTUBE BASE FOR 35'-45' ARM
- PEDESTRIAN HEAD
- WALK/DON'T WALK INDICATOR

XX SIGNAL HEAD TO BE BAGGED

WORK ZONE

TRAFFIC FLOW ARROW

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING



TRAFFIC CONTROL SIGNAL
WEST AVE (STH 35) & LA CROSSE ST (STH 16)
CITY OF LA CROSSE
LA CROSSE COUNTY

CITY CONTACT: STEPHANIE SWARD
DESIGNED BY: raSmith
REVISED BY:

PAGE 4 OF 6

PROJECT NO: 7575-07-70	HWY: STH 16	COUNTY: LA CROSSE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3	SHEET 20	E

FILE NAME : T:\1190937.02\CIVIL3D\16410304\SHEETSPLAN\75750770\024101-ST3-LACROSSE.DWG
LAYOUT NAME - La Crosse
PLOT DATE : 10/14/2021 4:18 PM
PLOT BY : AXT, ANDREW
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

LEGEND

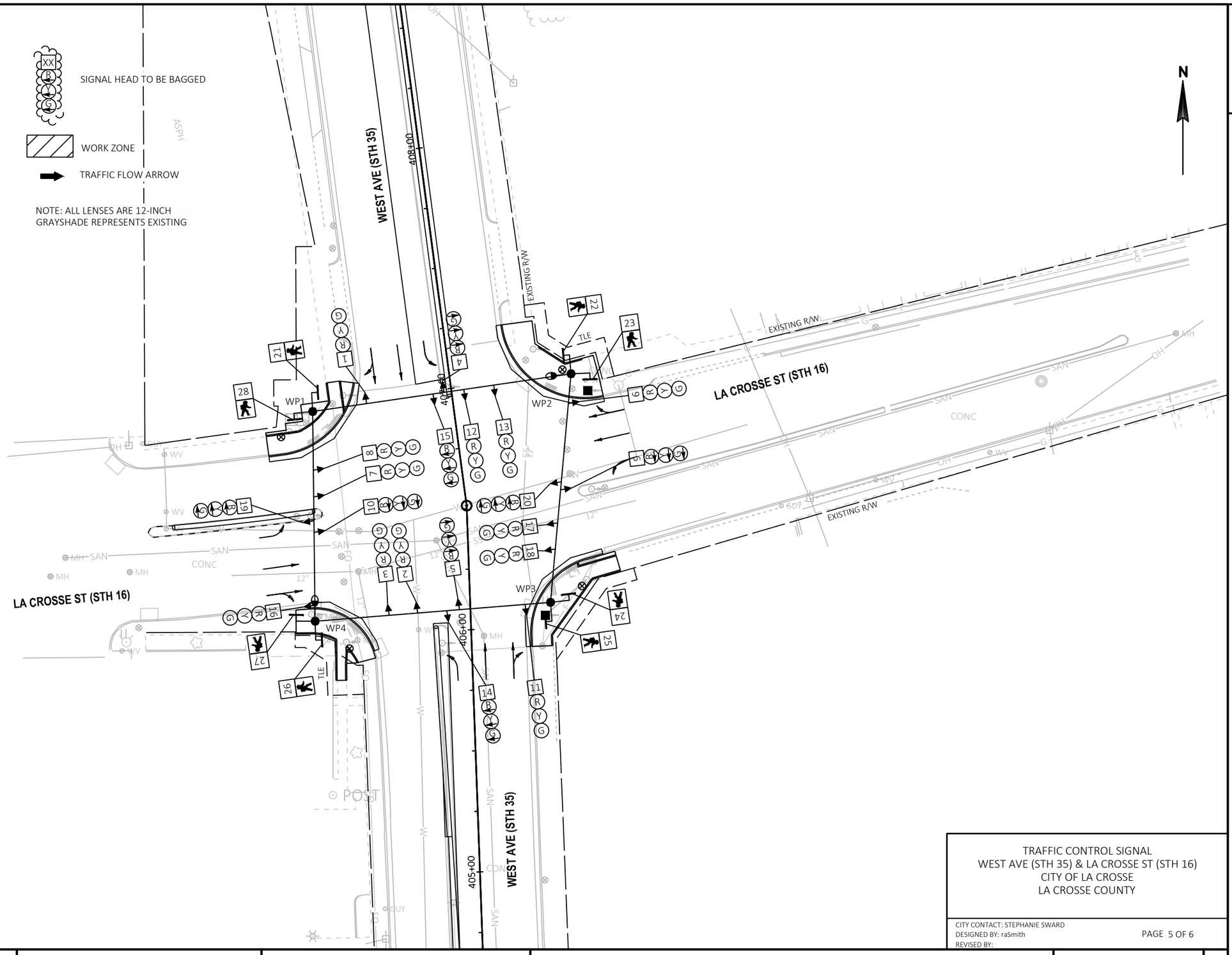
- WOOD POLE, CLASS 4
- SPAN WIRE
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- Y YELLOW ARROW
- G GREEN ARROW
- TRAFFIC SIGNAL STANDARD BASE
- MONOTUBE BASE FOR 35'-45' ARM
- PEDESTRIAN HEAD
- WALK/DON'T WALK INDICATOR

XX SIGNAL HEAD TO BE BAGGED

WORK ZONE

TRAFFIC FLOW ARROW

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING



TRAFFIC CONTROL SIGNAL
WEST AVE (STH 35) & LA CROSSE ST (STH 16)
CITY OF LA CROSSE
LA CROSSE COUNTY

CITY CONTACT: STEPHANIE SWARD
DESIGNED BY: raSmith
REVISED BY:

PAGE 5 OF 6

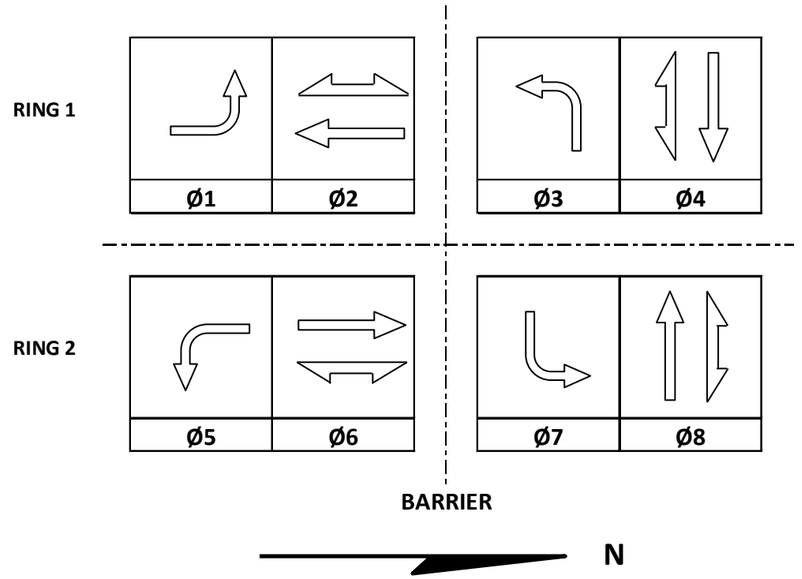
PROJECT NO: 7575-07-70	HWY: STH 16	COUNTY: LA CROSSE	TEMPORARY TRAFFIC SIGNAL PLAN - FINAL	SHEET 21	E

FILE NAME : T:\1190937.02\CIVIL3D\16410304\SHEETSPLAN\75750770\024101-STFINAL-LACROSSE.DWG
LAYOUT NAME - La Crosse

PLOT DATE : 10/14/2021 4:18 PM PLOT BY : AXT, ANDREW PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1	14,15	R ←
Ø2	1,2,3	R
Ø3	9,10	R ←
Ø4	16,17,18	R
Ø5	4,5	R ←
Ø6	11,12,13	R
Ø7	19,20	R ←
Ø8	6,7,8	R
Ø2P	27,28	
Ø4P	25,26	
Ø6P	23,24	
Ø8P	21,22	
OLE		
OLF		
OLG		
OLH		



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

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	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTION	

CONTROLLER LOGIC

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

GENERAL NOTES:

1. OMIT PHASES DURING STAGES WHEN HEADS ARE BAGGED (SEE TIMING PLAN).

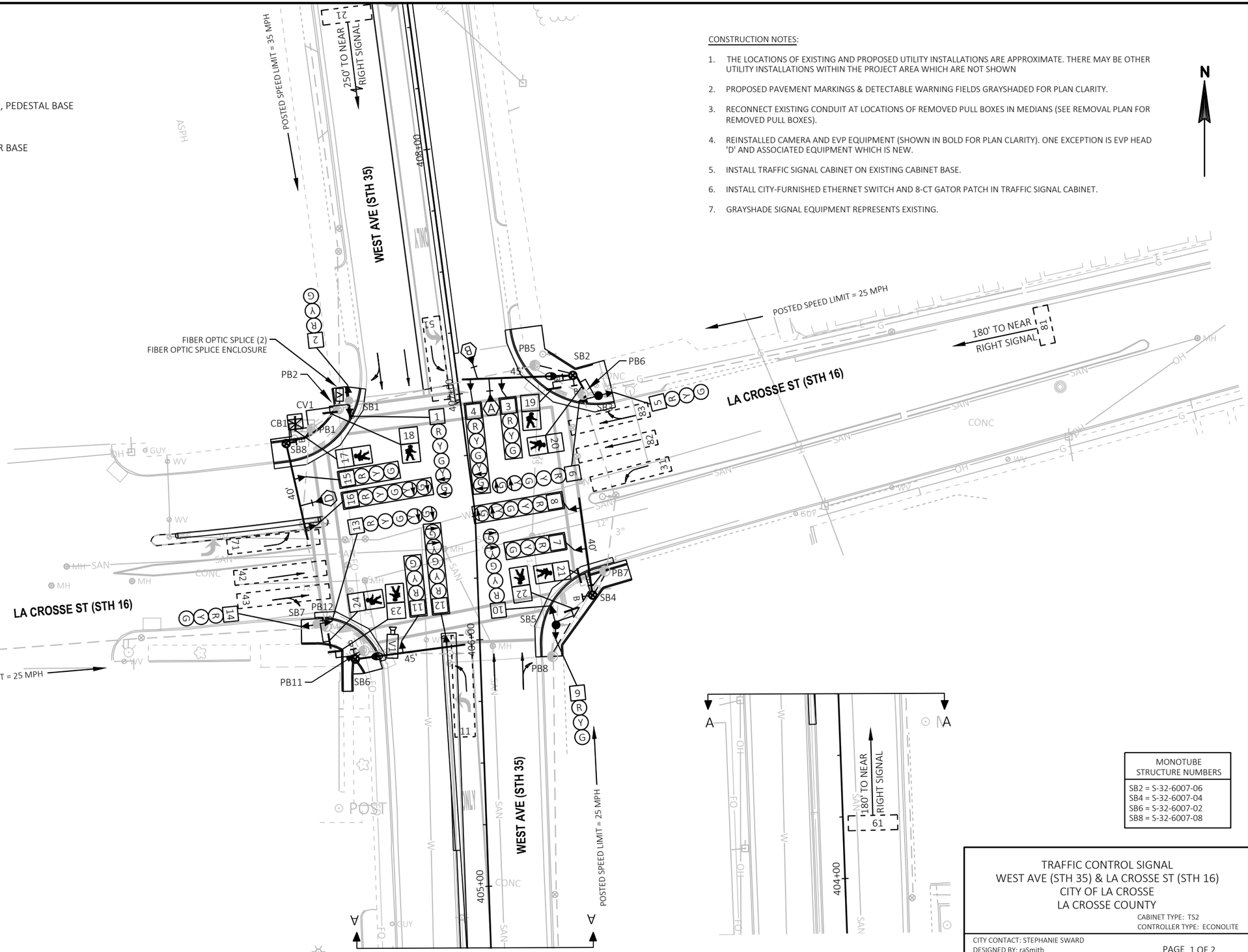
WEST AVENUE (STH 35) & LA CROSSE STREET (STH 16)
CITY OF LA CROSSE
LA CROSSE COUNTY

SIGNAL NO: CABINET TYPE: TEMP
CONTROLLER TYPE: TEMP
DATE: NOVEMBER 2021 PAGE NO. 6 OF 6

2

LEGEND

- TRAFFIC CONTROL CABINET
- NONMETALLIC CONDUIT 3"
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- PEDESTRIAN PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- MONOTUBE BASE, POLE, 35'-45' ARM
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- YELLOW ARROW
- GREEN ARROW
- EVP DESIGNATOR
- EVP DETECTOR HEAD
- LANE DESIGNATION FOR INFO ONLY
- VEHICLE DETECTION AREA
- VEHICLE DETECTION CAMERA (ALDIS)
- PEDESTRIAN HEAD
- WALK/DON'T WALK INDICATOR
- RETROREFLECTIVE SIGNAL BACKPLATES



CONSTRUCTION NOTES:

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN
2. PROPOSED PAVEMENT MARKINGS & DETECTABLE WARNING FIELDS GRAYSHADED FOR PLAN CLARITY.
3. RECONNECT EXISTING CONDUIT AT LOCATIONS OF REMOVED PULL BOXES IN MEDIANS (SEE REMOVAL PLAN FOR REMOVED PULL BOXES).
4. REINSTALLED CAMERA AND EVP EQUIPMENT (SHOWN IN BOLD FOR PLAN CLARITY). ONE EXCEPTION IS EVP HEAD 'D' AND ASSOCIATED EQUIPMENT WHICH IS NEW.
5. INSTALL TRAFFIC SIGNAL CABINET ON EXISTING CABINET BASE.
6. INSTALL CITY-FURNISHED ETHERNET SWITCH AND 8-CT GATOR PATCH IN TRAFFIC SIGNAL CABINET.
7. GRAYSHADE SIGNAL EQUIPMENT REPRESENTS EXISTING.

N

MONOTUBE STRUCTURE NUMBERS
SB2 = S-32-6007-06
SB4 = S-32-6007-04
SB6 = S-32-6007-02
SB8 = S-32-6007-08

TRAFFIC CONTROL SIGNAL
WEST AVE (STH 35) & LA CROSSE ST (STH 16)
CITY OF LA CROSSE
LA CROSSE COUNTY

CABINET TYPE: TS2
CONTROLLER TYPE: ECONOLITE

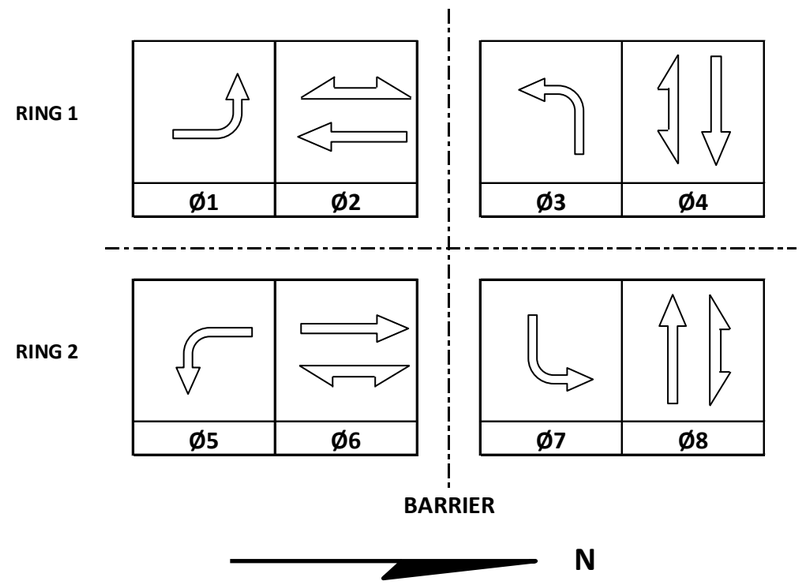
CITY CONTACT: STEPHANIE SWARD
DESIGNED BY: raSmith
REVISED BY:

PAGE 1 OF 2

PROJECT NO: 7575-07-70	HWY: STH 16	COUNTY: LA CROSSE	TRAFFIC SIGNAL PLAN	SHEET 23	E

FILE NAME : T:\1190937.02\CIVIL3D\16410304\SHEETSPLAN\75750770\024201-SP.DWG
LAYOUT NAME - La Crosse
PLOT DATE : 10/14/2021 4:19 PM
PLOT BY : AXT, ANDREW
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

	HEAD NUMBERS	FLASH
Ø1	1,4	--
Ø2	2,10,11,12	R
Ø3	13,16	--
Ø4	6,7,8,14	R
Ø5	10,12	--
Ø6	1,3,4,9	R
Ø7	6,8	--
Ø8	5,13,15,16	R
Ø2P	18,23	
Ø4P	21,24	
Ø6P	19,22	
Ø8P	17,20	
OLE		
OLF		
OLG		
OLH		



CONTROLLER LOGIC

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

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	D
MOVEMENT	← →	← →	↑
PHASE	2 + 6	6 + 2	8 + 3

AFTER PREEMPTION SEQUENCE 2 + 6 OR 6 + 2, CONTROLLER SHALL RETURN TO PHASES 2 + 6.

AFTER PREEMPTION SEQUENCE 8 + 3, CONTROLLER SHALL RETURN TO PHASES 4 + 8.

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

TYPE OF COORDINATION	
NONE	
TBC	X
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	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	X
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)	11	21	31	41	42	51	61	71
CALLED PHASE	1	2	3	4	4	5	6	7
CALL OPTION	X	X	X	X	X	X	X	X
DELAY TIME								
EXTENSION OPTION	X	X	X	X	X	X	X	X
EXTEND TIME								
USE ADDED INITIAL		X					X	
CROSS SWITCH PHASE								

DETECTOR INPUT	19	17	23	21	27	25	31	29
PLAN LOOP DETECTOR*(S)	81	83						
CALLED PHASE	8	8						
CALL OPTION	X	X						
DELAY TIME								
EXTENTION OPTION	X	X						
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE								

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)					43			
CALLED PHASE					4			
CALL OPTION					X			
DELAY TIME								
EXTENSION OPTION					X			
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE								

DETECTOR INPUT	20	18	24	22	28	26	32	30
PLAN LOOP DETECTOR*(S)	82							
CALLED PHASE	8							
CALL OPTION	X							
DELAY TIME								
EXTENTION OPTION	X							
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE								

WEST AVENUE (STH 35) & LA CROSSE STREET (STH 16)

CITY OF LA CROSSE

LA CROSSE COUNTY

SIGNAL NO: **CABINET TYPE: TS2**

CONTROLLER TYPE: ECONOLITE

DATE: NOVEMBER 2021 **PAGE NUMBER: 2 OF 2**

PROJECT ID:	7575-07-70
INTERSECTION:	West Avenue & La Crosse Street

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

DATE	November 2021

CB1 TO	JUMPER	# OF COND.	HEAD NO.	SIGNAL INDICATION WIRE COLOR									PED BUTTON
				RED	YELLOW	GREEN	<RED>	<YELLOW>	<GREEN>	FLASHING YELLOW	D/WALK	WALK	
SB1		15	1	RED	ORG	GRN		BLU/WHT	GRN/WHT				
			2	RED/BLK	ORG/BLK	GRN/BLK							
			18								BLK	BLU	
			BUTTON										WHT/BLK
SB2		12	3	RED	ORG	GRN							
			4	RED	ORG	GRN		ORG/BLK	GRN/BLK				
			19								BLK	BLU	
			BUTTON										WHT/BLK
			BUTTON										BLK/WHT
SB3		12	5	RED/BLK	ORG/BLK	GRN/BLK							
			6	RED	ORG	GRN		BLU/BLK	BLK/WHT				
			20								BLK	BLU	
SB4		12	7	RED	ORG	GRN							
			8	RED	ORG	GRN		ORG/BLK	GRN/BLK				
			21								BLK	BLU	
			BUTTON										WHT/BLK
			BUTTON										BLK/WHT
SB5		12	9	RED	ORG	GRN							
			10	RED/BLK	ORG/BLK	GRN/BLK		BLU/BLK	BLK/WHT				
			22								BLK	BLU	
SB6		12	11	RED	ORG	GRN							
			12	RED	ORG	GRN		ORG/BLK	GRN/BLK				
			23								BLK	BLU	
			BUTTON										WHT/BLK
SB7		15	13	RED/BLK	ORG/BLK	GRN/BLK		BLU/WHT	GRN/WHT				
			14	RED	ORG	GRN							
			24								BLK	BLU	
			BUTTON										WHT/BLK
SB8		12	15	RED	ORG	GRN							
			16	RED	ORG	GRN		ORG/BLK	GRN/BLK				
			17								BLK	BLU	
			BUTTON										WHT/BLK

EQUIPMENT GROUNDING CONDUCTOR 10 AWG GRN XLP	
FROM	TO
CB1	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB6	SB7
SB7	SB8
SB8	CB1

PULL BOX BONDING JUMPER 10 AWG GRN XLP	
FROM	TO
PB1	SB8
PB2	SB1
PB5	SB2
PB6	SB3
PB7	SB4
PB8	SB5
PB11	SB6
PB12	SB7

LIGHTING UF 10 AWG W/GROUND	
FROM	TO
CB1	SB2
CB1	SB6

EMERGENCY VEHICLE PREEMPTION (EVP) CABLE	
FROM	TO
CB1	HEAD A (SB2)
CB1	HEAD B (SB2)
CB1	HEAD D (SB8)

VIDEO DETECTION CABLE	
FROM	TO
CB1	V1 (SB6)

*Use the white conductor in the cable assembly as the grounded conductor for all traffic signal indications.
*Ensure the grounded conductor in the feeder cable and the pole cables are both 18" longer than the ungrounded conductors.

*At the signal bases, connect one terminal from the pedestrian push buttons to the color indicated in the chart. Connect the other terminal to the grounded conductor.
*Reconnect the grounding conductors wherever the circuit has been interrupted to ensure the grounding circuit is complete.

FILE NAME : T:\1190937.02\Traffic\Signal Design\Cable Routing PLOT DATE : 6/7/2021 11:55 AM PLOT BY : ANDREW AXT PLOT NAME : PLOT SCALE : 1:1

2

LEGEND

N

8	MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH (WHITE)
X-12	MARKING CROSSWALK GROOVED EPOXY TRANSVERSE LINE 12-INCH (WHITE)
SL-12	MARKING STOP LINE GROOVED EPOXY 12-INCH (WHITE)
ARW	MARKING ARROW GROOVED EPOXY (TYPE 2, WHITE)
WORD	MARKING WORD GROOVED EPOXY (WHITE)
RMV	MARKING REMOVAL SPECIAL MARKING WATER BLASTING
NOSE	MARKING ISLAND NOSE EPOXY (YELLOW)
CURB	MARKING CURB EPOXY (YELLOW)
MARK	MARKER PERMANENT FLEXIBLE (YELLOW)
× × ×	MARKING REMOVAL LINE WATER BLASTING WIDE
• • •	MARKING REMOVAL LINE WATER BLASTING 8-INCH

WEST AVE (STH 35)

SEE PERMANENT SIGNING DETAILS
La Crosse St

SEE PERMANENT SIGNING DETAILS
West Ave
Lang Dr

Lang Dr
West Ave
SEE PERMANENT SIGNING DETAILS

La Crosse St
SEE PERMANENT SIGNING DETAILS

LA CROSSE ST (STH 16)

ONLY

+32.3
147.2' LT

+30.8
131.1' LT

+35.0
131.3' LT

+56.1
66.9' LT

+99.1
13.4' LT

+82.5
0.0'

+42.0
0.0'

+00.9
2.0' LT

+85.2
12.0' LT

+99.2
13.8' LT

+89.9
36.5' RT

404+00

405+00

407+00

408+00

409+00

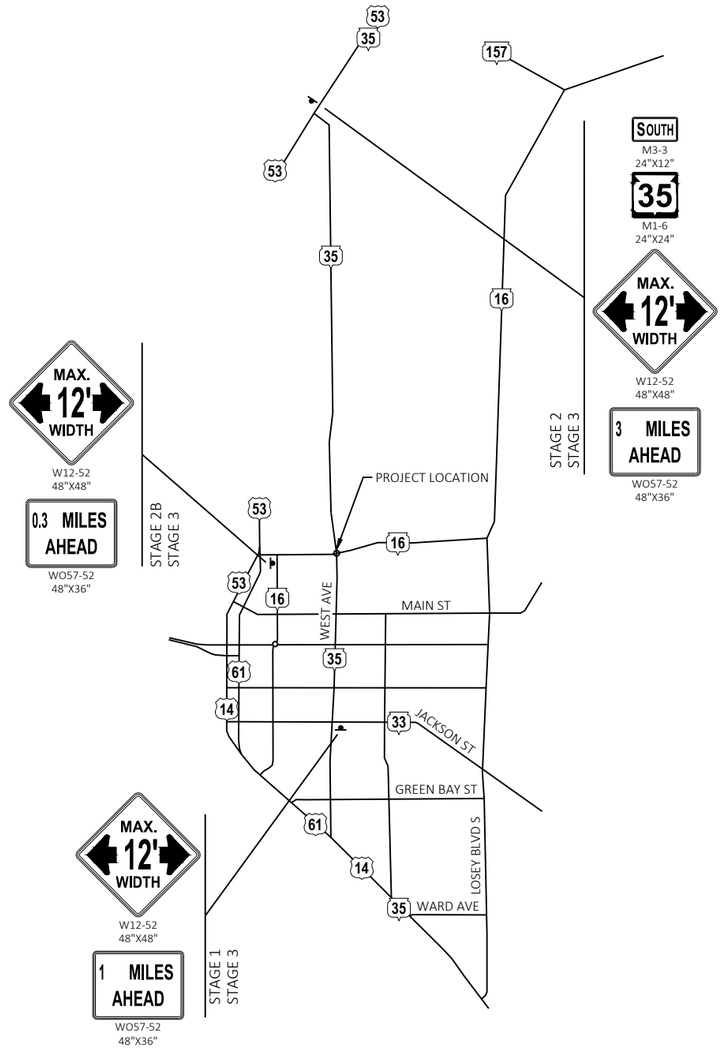
WEST AVE R/L

PROJECT NO: 7575-07-70	HWY: STH 16	COUNTY: LA CROSSE	PAVEMENT MARKING & SIGNING	SHEET 26 E

FILE NAME : T:\1190937.02\CIVIL3D\16410304\SHEETSPLAN\75750770\024501-PM.DWG
LAYOUT NAME - LAX
PLOT DATE : 2/7/2022 9:59 AM
PLOT BY : AXT, ANDREW
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

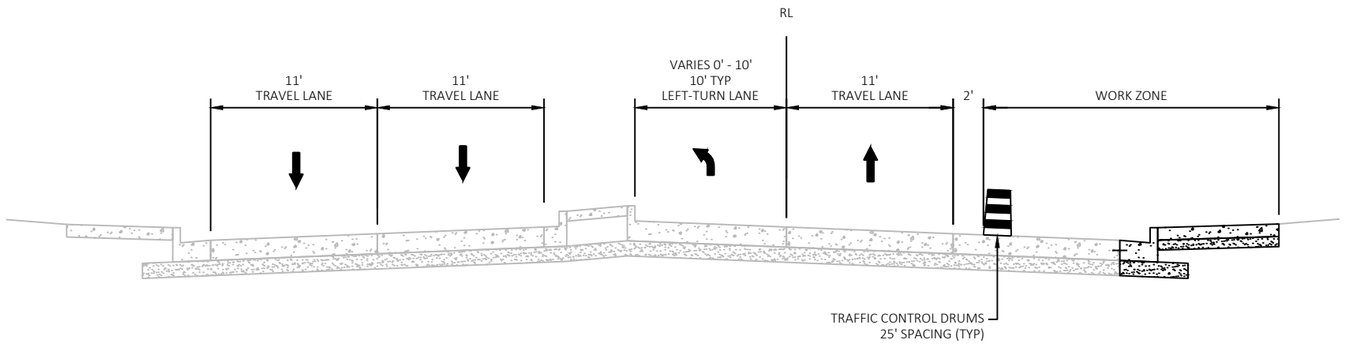


ADVANCED WIDTH RESTRICTION SIGNING

SEE SDD TRAFFIC CONTROL ADVANCED WIDTH RESTRICTION SIGNING FOR ADDITIONAL INFORMATION

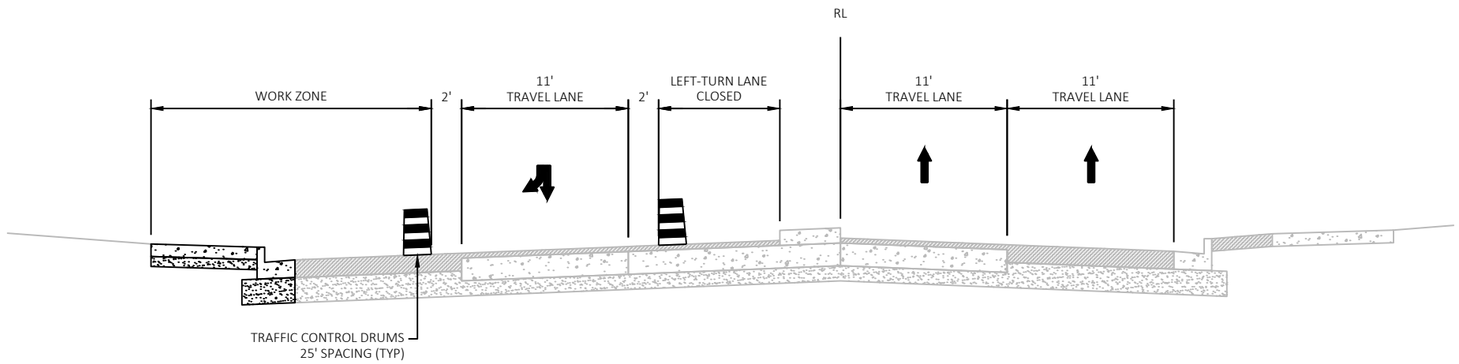
PROJECT NO: 7575-07-70	HWY: STH 16	COUNTY: LA CROSSE	TRAFFIC CONTROL - ALL STAGES	SHEET 27	E

2



TRAFFIC CONTROL - STAGES 1A & 1B

WEST AVE
(LOOKING NORTH)



TRAFFIC CONTROL - STAGE 2A & 2B

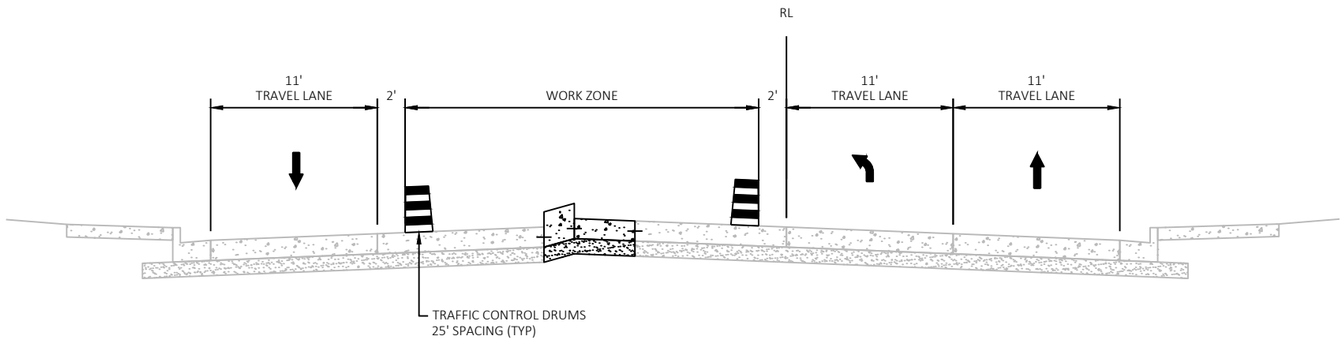
WEST AVE
(LOOKING NORTH)

PROJECT NO: 7575-07-70	HWY: STH 16	COUNTY: LA CROSSE	TRAFFIC CONTROL	SHEET	E

FILE NAME : T:\1190937.02\CIVIL3D\16410304\SHEETSPLAN\75750770\025001-TC.DWG
LAYOUT NAME - 01

PLOT DATE : 10/14/2021 4:19 PM PLOT BY : AXT, ANDREW PLOT NAME : PLOT SCALE : 1 IN:10 FT

2

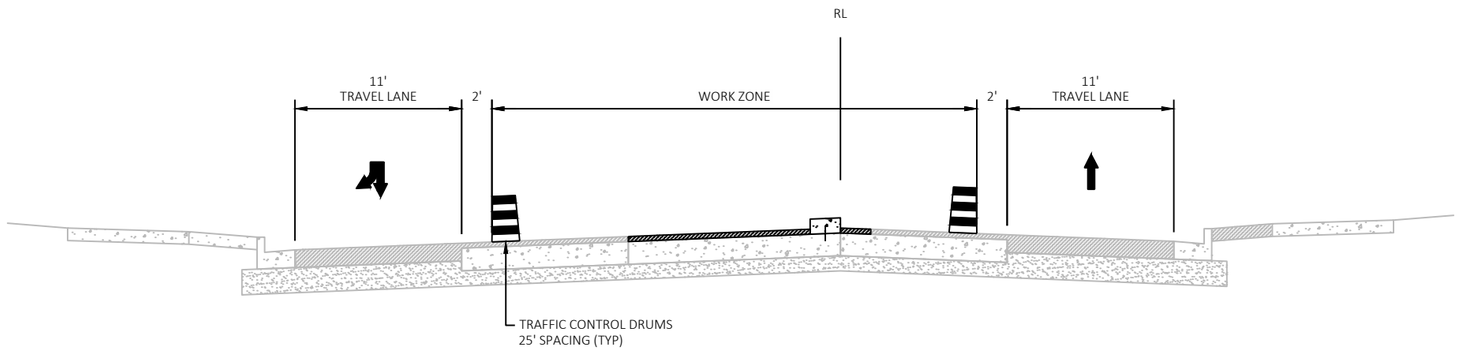


TRAFFIC CONTROL - STAGE 3

WEST AVE

(SOUTH OF LA CROSSE ST - LOOKING NORTH)

STAGE 4 NOT SHOWN. SEE THE FOLLOWING SDD:
TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY
TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE UNDIVIDED NON-FREEWAY/EXPRESSWAY
TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE



TRAFFIC CONTROL - STAGE 3

WEST AVE

(NORTH OF LA CROSSE ST - LOOKING NORTH)

2

N

BADGER ST

12TH ST

WEST AVE (STH 35)

WEST AVE R/L

EXISTING R/W

115' LANE CLOSURE TAPER

402 404 406 408 410

W12-1D
24"X24"

ROAD WORK AHEAD
W20-1A

200'

** RIGHT LANE MUST TURN RIGHT
R3-7R
30"X30"

** LEFT LANE MUST TURN LEFT
R3-7L
30"X30"

LANE CLOSED
R11-2L
48"X30"

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

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

ROAD WORK BEGINS
XX/XX
PCMS

350' 350'

END ROAD WORK
G20-2A
48"X24"

** R3-2
24"X24"

ROAD CLOSED
R11-2
48"X30"

MAINTAIN ACCESS TO DRIVEWAYS

MAINTAIN ACCESS TO DRIVEWAY

** R3-1
24"X24"

SIDEWALK CLOSED
R9-9
24"X12"

LANE CLOSED
R11-2L
48"X30"

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

SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL E.
SEE ID 7575-07-73 FOR DETOUR INFORMATION.

LA CROSSE ST (STH 16)

OAKLAND ST

200' 200' 200' 200' 200'

PCMS
ROAD WORK BEGINS
XX/XX

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

W20-5R

ROAD WORK AHEAD
W20-1A

RIGHT LANE CLOSED AHEAD
W20-5A

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

PLACE PCMS 7 CALENDAR DAYS PRIOR TO BEGINNING OF STAGE 1A AND REMOVE WHEN CONSTRUCTION BEGINS

LEGEND

- TYPE II BARRICADE WITH ONE WARNING LIGHT TYPE A
- TYPE III BARRICADE WITH TWO WARNING LIGHTS TYPE A
- TYPE III BARRICADE WITH TWO WARNING LIGHTS TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUMS (25' SPACING)
- TRAFFIC CONTROL DRUMS WITH WARNING LIGHTS TYPE C (25' SPACING)
- WORK ZONE
- TRAFFIC FLOW
- PEDESTRIAN DETOUR ROUTE (WEST AVE)
- PEDESTRIAN DETOUR ROUTE (LA CROSSE ST)
- PCMS — TRAFFIC CONTROL SIGNS PCMS
- TRAFFIC CONTROL ARROW BOARD

** 16"X16" FLAGS INCIDENTAL TO TRAFFIC CONTROL SIGNS

PROJECT NO: 7575-07-70	HWY: STH 16	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 1A	SHEET	E

FILE NAME : T:\1190937.02\CIVIL3D\16410304\SHEETSPLAN\75750770\026001-TC1A.DWG
LAYOUT NAME - LAX
PLOT DATE : 10/14/2021 4:20 PM
PLOT BY : AXT, ANDREW
PLOT NAME :
PLOT SCALE : ##########

2

N

BADGER ST

12TH ST

WEST AVE (STH 35)

WEST AVE R/L

EXISTING R/W

115' LANE CLOSURE TAPER

402 404 406 408 410

END ROAD WORK
G20-2A
48"X24"

ROAD WORK AHEAD
W20-1A

200'

W12-1D
24"X24"

** RIGHT LANE MUST TURN RIGHT
R3-7R
30"X30"

** LEFT LANE MUST TURN LEFT
R3-7L
30"X30"

LANE CLOSED
R11-2L
48"X30"

350'

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

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

SIDEWALK CLOSED
R9-9
24"X12"

** R3-2
24"X24"

MAINTAIN ACCESS TO DRIVEWAYS

MAINTAIN ACCESS TO DRIVEWAY

END ROAD WORK
G20-2A
48"X24"

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

PLACE AT THE NORTHEAST CORNER OF STH 35/MONITOR ST INTERSECTION

200' 200' 200' 200'

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

W04-2R

ROAD WORK AHEAD
W20-1A

RIGHT LANE CLOSED AHEAD
W20-5A

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

LANE CLOSED
R11-2L
48"X30"

** R3-1
24"X24"

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

SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL E.
SEE ID 7575-07-73 FOR DETOUR INFORMATION.

LA CROSSE ST (STH 16)

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

OAKLAND ST

LEGEND

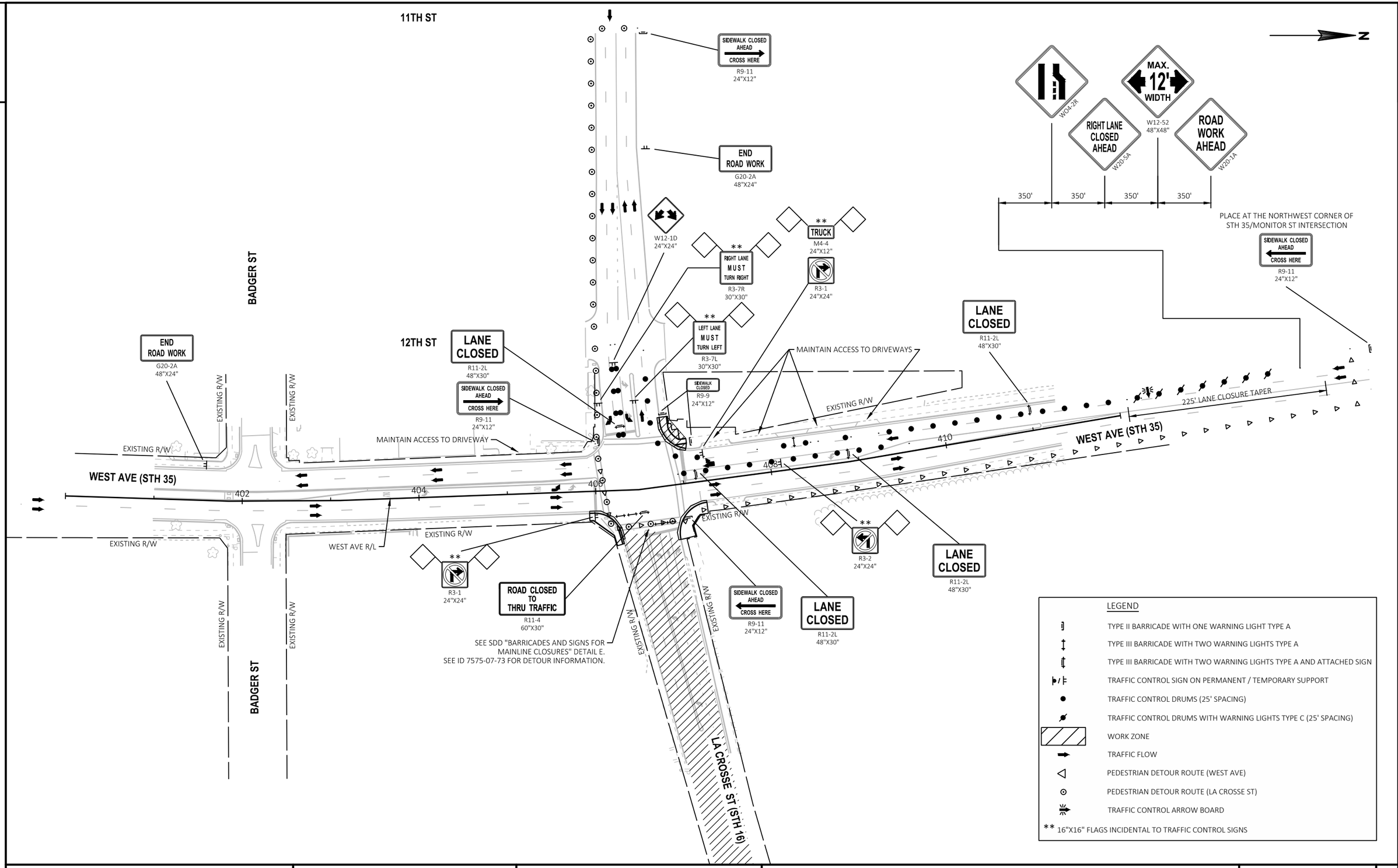
- TYPE II BARRICADE WITH ONE WARNING LIGHT TYPE A
- TYPE III BARRICADE WITH TWO WARNING LIGHTS TYPE A
- TYPE III BARRICADE WITH TWO WARNING LIGHTS TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUMS (25' SPACING)
- TRAFFIC CONTROL DRUMS WITH WARNING LIGHTS TYPE C (25' SPACING)
- WORK ZONE
- TRAFFIC FLOW
- PEDESTRIAN DETOUR ROUTE (WEST AVE)
- PEDESTRIAN DETOUR ROUTE (LA CROSSE ST)
- TRAFFIC CONTROL ARROW BOARD

** 16"X16" FLAGS INCIDENTAL TO TRAFFIC CONTROL SIGNS

PROJECT NO: 7575-07-70	HWY: STH 16	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 1B	SHEET	E

FILE NAME : T:\1190937.02\CIVIL3D\16410304\SHEETSPLAN\75750770\026001-TC1B.DWG
LAYOUT NAME - LAX

PLOT DATE : 10/14/2021 4:20 PM PLOT BY : AXT, ANDREW PLOT NAME : PLOT SCALE : ##########



PROJECT NO: 7575-07-70	HWY: STH 16	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 2A	SHEET 32	E

FILE NAME : T:\1190937.02\CIVIL3D\16410304\SHEETSPLAN\75750770\026001-TC2A.DWG
LAYOUT NAME - LAX
PLOT DATE : 10/14/2021 4:21 PM
PLOT BY : AXT, ANDREW
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

11TH ST

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

125' LANE CLOSURE TAPER

ROAD WORK AHEAD
W20-1A

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

RIGHT LANE CLOSED AHEAD
W20-5A

200'
200'
200'

END ROAD WORK
G20-2A
48"X24"

BADGER ST

LANE CLOSED
R11-2L
48"X30"

MAINTAIN ACCESS TO DRIVEWAYS

** TRUCK
M4-4
24"X12"

R3-1
24"X24"

12TH ST

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

** RIGHT LANE MUST TURN RIGHT
R3-7R
30"X30"

MAINTAIN ACCESS TO DRIVEWAYS

LANE CLOSED
R11-2L
48"X30"

END ROAD WORK
G20-2A
48"X24"

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

MAINTAIN ACCESS TO DRIVEWAYS

SIDEWALK CLOSED
R9-9
24"X12"

EXISTING R/W

225' LANE CLOSURE TAPER

WEST AVE (STH 35)

402 404 406 408 410

EXISTING R/W

WEST AVE R/L

** R3-1
24"X24"

** R3-2
24"X24"

LANE CLOSED
R11-2L
48"X30"

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

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

LANE CLOSED
R11-2L
48"X30"

EXISTING R/W

BADGER ST

LA CROSSE ST (STH 16)

SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL E.
SEE ID 7575-07-73 FOR DETOUR INFORMATION.

W04-2R

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

RIGHT LANE CLOSED AHEAD
W20-5A

ROAD WORK AHEAD
W20-1A

350' 350' 350' 350'

N

LEGEND

- TYPE II BARRICADE WITH ONE WARNING LIGHT TYPE A
- TYPE III BARRICADE WITH TWO WARNING LIGHTS TYPE A
- TYPE III BARRICADE WITH TWO WARNING LIGHTS TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUMS (25' SPACING)
- TRAFFIC CONTROL DRUMS WITH WARNING LIGHTS TYPE C (25' SPACING)
- WORK ZONE
- TRAFFIC FLOW
- PEDESTRIAN DETOUR ROUTE (WEST AVE)
- PEDESTRIAN DETOUR ROUTE (LA CROSSE ST)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH
- TRAFFIC CONTROL ARROW BOARD

** 16"X16" FLAGS INCIDENTAL TO TRAFFIC CONTROL SIGNS

PROJECT NO: 7575-07-70	HWY: STH 16	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 2B	SHEET 33	E

FILE NAME : T:\1190937.02\CIVIL3D\16410304\SHEETSPLAN\75750770\026001-TC2B.DWG
LAYOUT NAME - LAX
PLOT DATE : 10/14/2021 4:21 PM
PLOT BY : AXT, ANDREW
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

11TH ST

12TH ST

BADGER ST

WEST AVE (STH 35)

LA CROSSE ST (STH 16)

N

ROAD WORK AHEAD W20-1A

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

WO1-4R

200' 200' 200'

125' LANE CLOSURE TAPER

4Y

WO1-6 48"X24"

END ROAD WORK G20-2A 48"X24"

BEGIN LEFT TURN LANE R3-20L 24"X36"

ONE WAY R6-2R 24"X30"

LANE CLOSED R11-2L 48"X30"

ROAD CLOSED R11-2 48"X30"

** TRUCK M4-4 24"X12"

R3-1 24"X24"

R3-2 24"X24"

8W

WO4-2R

LEFT LANE CLOSED AHEAD W20-5SA

350' 350' 350' 350'

EXISTING R/W

WEST AVE R/L

402 404 406 408 410

115' LANE CLOSURE TAPER

150'

225' LANE CLOSURE TAPER

LEFT LANE MUST TURN LEFT R3-7L 30"X30"

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

SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL E.
SEE ID 7575-07-73 FOR DETOUR INFORMATION.

RIGHT LANE CLOSED AHEAD W20-5A

LEGEND

- TYPE II BARRICADE WITH ONE WARNING LIGHT TYPE A
- TYPE III BARRICADE WITH TWO WARNING LIGHTS TYPE A
- TYPE III BARRICADE WITH TWO WARNING LIGHTS TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUMS (25' SPACING)
- TRAFFIC CONTROL DRUMS WITH WARNING LIGHTS TYPE C (25' SPACING)
- WORK ZONE
- TRAFFIC FLOW
- PEDESTRIAN DETOUR ROUTE (WEST AVE)
- PEDESTRIAN DETOUR ROUTE (LA CROSSE ST)
- 4Y TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
- 8W TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
- TRAFFIC CONTROL ARROW BOARD

** 16"X16" FLAGS INCIDENTAL TO TRAFFIC CONTROL SIGNS

PROJECT NO: 7575-07-70	HWY: STH 16	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 3	SHEET 34	E

FILE NAME : T:\1190937.02\CIVIL3D\16410304\SHEETSPLAN\75750770\026001-TC3.DWG
LAYOUT NAME - LAX

PLOT DATE : 10/14/2021 4:40 PM PLOT BY : AXT, ANDREW PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

7575-07-70

Line	Item	Item Description	Unit	Total	Qty
0008	204.0110	Removing Asphaltic Surface	SY	20.000	20.000
0012	204.0120	Removing Asphaltic Surface Milling	SY	270.000	270.000
0014	204.0150	Removing Curb & Gutter	LF	414.000	414.000
0016	204.0155	Removing Concrete Sidewalk	SY	380.000	380.000
0018	204.0195	Removing Concrete Bases	EACH	10.000	10.000
0042	204.9060.S	Removing (item description) 001. Traffic Signals (West Ave & La Crosse St)	EACH	1.000	1.000
0050	211.0200	Prepare Foundation for Concrete Pavement (project) 001. 7575-07-70	LS	1.000	1.000
0052	213.0100	Finishing Roadway (project) 001. 7575-07-70	EACH	1.000	1.000
0056	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	120.000	120.000
0058	390.0303	Base Patching Concrete	SY	66.000	66.000
0060	415.0090	Concrete Pavement 9-Inch	SY	32.000	32.000
0066	416.0610	Drilled Tie Bars	EACH	237.000	237.000
0068	416.0620	Drilled Dowel Bars	EACH	35.000	35.000
0072	455.0605	Tack Coat	GAL	22.000	22.000
0074	460.2000	Incentive Density HMA Pavement	DOL	30.000	30.000
0078	460.6424	HMA Pavement 4 MT 58-28 H	TON	37.000	37.000
0080	465.0105	Asphaltic Surface	TON	5.000	5.000
0086	601.0417	Concrete Curb & Gutter 30-Inch Type K	LF	199.000	199.000
0090	601.0600	Concrete Curb Pedestrian	LF	197.000	197.000
0094	602.0410	Concrete Sidewalk 5-Inch	SF	1,878.000	1,878.000
0096	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	30.000	30.000
0098	602.0605	Curb Ramp Detectable Warning Field Radial Yellow	SF	50.000	50.000
0128	611.8115	Adjusting Inlet Covers	EACH	2.000	2.000
0136	619.1000	Mobilization	EACH	0.100	0.100
0142	624.0100	Water	MGAL	2.580	2.580
0152	628.1905	Mobilizations Erosion Control	EACH	1.000	1.000
0154	628.1910	Mobilizations Emergency Erosion Control	EACH	1.000	1.000
0160	628.7015	Inlet Protection Type C	EACH	7.000	7.000
0170	633.5350	Markers Permanent Flexible	EACH	4.000	4.000
0172	637.2210	Signs Type II Reflective H	SF	43.000	43.000
0178	638.2602	Removing Signs Type II	EACH	4.000	4.000
0182	642.5401	Field Office Type D	EACH	0.100	0.100
0184	643.0300	Traffic Control Drums	DAY	4,289.000	4,289.000
0186	643.0410	Traffic Control Barricades Type II	DAY	279.000	279.000
0188	643.0420	Traffic Control Barricades Type III	DAY	1,019.000	1,019.000
0194	643.0705	Traffic Control Warning Lights Type A	DAY	2,312.000	2,312.000
0196	643.0715	Traffic Control Warning Lights Type C	DAY	640.000	640.000
0198	643.0800	Traffic Control Arrow Boards	DAY	97.000	97.000
0200	643.0900	Traffic Control Signs	DAY	2,409.000	2,409.000
0206	643.1050	Traffic Control Signs PCMS	DAY	14.000	14.000
0208	643.5000	Traffic Control	EACH	0.500	0.500
0210	644.1410	Temporary Pedestrian Surface Asphalt	SF	123.000	123.000
0220	646.3040	Marking Line Grooved Wet Ref Epoxy 8-Inch	LF	935.000	935.000
0222	646.8120	Marking Curb Epoxy	LF	40.000	40.000
0224	646.8220	Marking Island Nose Epoxy	EACH	4.000	4.000
0228	646.9110	Marking Removal Line Water Blasting 8-Inch	LF	64.000	64.000
0230	646.9210	Marking Removal Line Water Blasting Wide	LF	689.000	689.000
0232	646.9310	Marking Removal Special Marking Water Blasting	EACH	6.000	6.000
0236	649.0150	Temporary Marking Line Removable Tape 4-Inch	LF	125.000	125.000

7575-07-70

Line	Item	Item Description	Unit	Total	Qty
0238	649.0250	Temporary Marking Line Removable Tape 8-Inch	LF	78.000	78.000
0242	649.0960	Temporary Marking Removable Mask Out Tape 6-Inch	LF	75.000	75.000
0252	650.7000	Construction Staking Concrete Pavement	LF	140.000	140.000
0254	650.8500	Construction Staking Electrical Installations (project) 001. 7575-07-70	LS	1.000	1.000
0258	650.9000	Construction Staking Curb Ramps	EACH	7.000	7.000
0260	650.9910	Construction Staking Supplemental Control (project) 001. 7575-07-70	LS	1.000	1.000
0266	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	146.000	146.000
0268	652.0700.S	Install Conduit into Existing Item	EACH	8.000	8.000
0274	653.0900	Adjusting Pull Boxes	EACH	7.000	7.000
0276	653.0905	Removing Pull Boxes	EACH	4.000	4.000
0278	654.0101	Concrete Bases Type 1	EACH	2.000	2.000
0284	654.0120	Concrete Bases Type 10-Special	EACH	4.000	4.000
0292	655.0230	Cable Traffic Signal 5-14 AWG	LF	474.000	474.000
0294	655.0240	Cable Traffic Signal 7-14 AWG	LF	370.000	370.000
0296	655.0260	Cable Traffic Signal 12-14 AWG	LF	1,163.000	1,163.000
0298	655.0270	Cable Traffic Signal 15-14 AWG	LF	158.000	158.000
0302	655.0320	Cable Type UF 2-10 AWG Grounded	LF	319.000	319.000
0304	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	867.000	867.000
0306	655.0610	Electrical Wire Lighting 12 AWG	LF	288.000	288.000
0314	655.0900	Traffic Signal EVP Detector Cable	LF	91.000	91.000
0322	657.0100	Pedestal Bases	EACH	4.000	4.000
0330	657.0347	Poles Type 9-Special	EACH	2.000	2.000
0332	657.0352	Poles Type 10-Special	EACH	2.000	2.000
0334	657.0425	Traffic Signal Standards Aluminum 15-FT	EACH	4.000	4.000
0336	657.0541	Monotube Arms 40-FT-Special	EACH	2.000	2.000
0338	657.0546	Monotube Arms 45-FT-Special	EACH	2.000	2.000
0350	657.0815	Luminaire Arms Steel 15-FT	EACH	2.000	2.000
0352	658.0173	Traffic Signal Face 3S 12-Inch	EACH	8.000	8.000
0356	658.0175	Traffic Signal Face 5S 12-Inch	EACH	8.000	8.000
0358	658.0416	Pedestrian Signal Face 16-Inch	EACH	8.000	8.000
0360	658.0500	Pedestrian Push Buttons	EACH	8.000	8.000
0362	658.5069	Signal Mounting Hardware (location) 001. West Ave & La Crosse St	LS	1.000	1.000
0368	659.1125	Luminaires Utility LED C	EACH	2.000	2.000
0372	661.0200	Temporary Traffic Signals for Intersections (location) 001. West Ave & La Crosse St	LS	1.000	1.000
0374	673.0105	Communication Vault Type 1	EACH	1.000	1.000
0376	678.0200	Fiber Optic Splice Enclosure	EACH	1.000	1.000
0378	678.0300	Fiber Optic Splice	EACH	2.000	2.000
0380	678.0600	Install Ethernet Switches	EACH	1.000	1.000
0382	690.0150	Sawing Asphalt	LF	439.000	439.000
0384	690.0250	Sawing Concrete	LF	743.000	743.000
0386	715.0720	Incentive Compressive Strength Concrete Pavement	DOL	500.000	500.000
0390	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	700.000	700.000
0392	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	600.000	600.000
0488	SPV.0060	Special 232. Adjusting Water Valves	EACH	2.000	2.000
0516	SPV.0060	Special 301. Marking Arrow Grooved Epoxy	EACH	5.000	5.000
0518	SPV.0060	Special 302. Marking Word Grooved Epoxy	EACH	2.000	2.000
0524	SPV.0060	Special 305. EVP Detector Type I	EACH	1.000	1.000
0526	SPV.0060	Special 306. EVP Discriminator Type IV	EACH	1.000	1.000
0528	SPV.0060	Special 307. Traffic Signal Controller & Cabinet (West Ave & La Crosse St)	EACH	1.000	1.000

7575-07-70

Line	Item	Item Description	Unit	Total	Qty
0532	SPV.0060	Special 309. Remove, Salvage, & Reinstall Video Detect System (West Ave & La Crosse St)	EACH	1.000	1.000
0534	SPV.0060	Special 310. Remove, Salvage, & Reinstall EVP System (West Ave & La Crosse St)	EACH	1.000	1.000
0538	SPV.0060	Special 312. Remove, Salvage, & Reinstall Traf Sig Interconn (West Ave & La Crosse St)	EACH	1.000	1.000
0540	SPV.0060	Special 313. Install Fiber Optic Communications in Cabinet (West Ave & La Crosse St)	EACH	1.000	1.000
0596	SPV.0090	Special 301. Marking Crosswalk Grooved Epoxy Transverse Line 12-Inch	LF	569.000	569.000
0598	SPV.0090	Special 302. Marking Stop Line Grooved Epoxy 12-Inch	LF	110.000	110.000
0610	SPV.0165	Special 301. Concrete Raised Median	SF	835.000	835.000
0614	SPV.0195	Special 301. Management of Solid Waste	TON	1.000	1.000

3

REMOVALS

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	204.0110 REMOVING ASPHALTIC SURFACE SY	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	204.0150 REMOVING CURB & GUTTER LF	204.0155 REMOVING CONCRETE SIDEWALK SY
0010	WEST AVE & LA CROSSE ST INTERSECTION	404+63	-	406+03	MEDIAN (SOUTH LEG)	-	-	216	46
		406+95	-	409+00	MEDIAN (NORTH LEG)	-	270	-	91
					MEDIAN (WEST LEG)	-	-	-	33
					NW	16	-	51	43
					NE	4	-	59	65
					SW	-	-	34	46
					SE	-	-	54	56
					TOTAL 0010	**20**	**270**	**414**	**380**

REMOVING TRAFFIC SIGNALS WEST AVE & LA CROSSE ST

CATEGORY	LOCATION	204.9060.S.001 REMOVING TRAFFIC SIGNALS (WEST AVE & LA CROSSE ST) EACH
0010	WEST AVE & LA CROSSE ST	1
	TOTAL 0010	**1**

3

AGGREGATE

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	# 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	## 624.0100 WATER MGAL
0010	WEST AVE & LA CROSSE ST INTERSECTION	404+63	-	406+03	MEDIAN (SOUTH LEG)	26	0.39
					NW	22	0.33
					NE	28	0.42
					SW	19	0.29
					SE	25	0.38
					TOTAL 0010	**120**	**1.81**

QUANTITY INCLUDED FOR ADDING MATERIAL UNDERNEATH CONCRETE PAVEMENT, CURB & GUTTER, AND SIDEWALK.
QUANTITY IS FOR AGGREGATE COMPACTION. ADDITIONAL QUANTITIES SHOWN ELSEWHERE. SEE "EROSION CONTROL" TABLE.

CONCRETE PAVEMENT

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	# 390.0303 BASE PATCHING CONCRETE SY	415.0090 CONCRETE PAVEMENT 9-INCH SY	416.0610 DRILLED TIE BARS EACH	416.0620 DRILLED DOWEL BARS EACH
0010	WEST AVE & LA CROSSE ST INTERSECTION	404+63	-	406+03	MEDIAN (SOUTH LEG)	-	32	94	4
		406+95	-	409+00	MEDIAN (NORTH LEG)	61	-	31	21
					MEDIAN (WEST LEG)	5	-	8	10
					NW	-	-	26	-
					NE	-	-	30	-
					SW	-	-	20	-
					SE	-	-	28	-
					TOTAL 0010	**66**	**32**	**237**	**35**

AREA INCLUDES BASE PATCHING FOR LEFT-TURN LANES AND REMOVAL OF MEDIAN TRAFFIC SIGNAL BASES AND PULL BOXES.

ASPHALT

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	455.0605 TACK COAT GAL	460.6424 HMA PAVEMENT 4 MT 58-28 H TON	465.0105 ASPHALTIC SURFACE TON
0010	WEST AVE & LA CROSSE ST INTERSECTION	406+95	-	409+00	MEDIAN (NORTH LEG)	22	37	-
					NW	-	-	5
					TOTAL 0010	**22**	**37**	**5**

CONCRETE MISCELLANEOUS

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	601.0417 CONCRETE CURB & GUTTER 30-INCH TYPE K LF	601.0600 CONCRETE CURB PEDESTRIAN LF	602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW SF	602.0605 CURB RAMP DETECTABLE WARNING FIELD RADIAL YELLOW SF	SPV.0165.301 CONCRETE RAISED MEDIAN SF
0010	WEST AVE & LA CROSSE ST INTERSECTION	404+63	-	406+03	MEDIAN (SOUTH LEG)	-	-	-	-	-	298
		406+95	-	409+00	MEDIAN (NORTH LEG)	-	-	-	-	-	422
					MEDIAN (WEST LEG)	-	-	-	-	-	115
					NW	51	53	348	-	26	-
					NE	59	21	606	10	-	-
					SW	35	58	411	10	13	-
					SE	54	65	513	10	11	-
					TOTAL 0010	**199**	**197**	**1,878**	**30**	**50**	**835**

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ADJUSTING INLET COVERS

CATEGORY	ROADWAY	LOCATION	611.8115 ADJUSTING INLET COVERS EACH
0010	WEST AVE & LA CROSSE ST INTERSECTION	NE	1
		SE	1
		TOTAL 0010	**2**

EROSION CONTROL

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	# 624.0100 WATER MGAL	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH	628.7015 INLET PROTECTION TYPE C EACH
0010	WEST AVE & LA CROSSE ST INTERSECTION	404+63	-	406+03	MEDIAN (SOUTH LEG)	0.14	-	-	-
		406+95	-	409+00	MEDIAN (NORTH LEG)	-	-	-	2
					MEDIAN (WEST LEG)	-	-	-	2
					NW	0.14	-	-	-
					NE	0.19	-	-	1
					SW	0.13	-	-	1
					SE	0.17	-	-	1
					TOTAL 0010	**0.77**	**1**	**1**	**7**

QUANTITY IS FOR DUST CONTROL OF AGGREGATE AREAS. ADDITIONAL QUANTITIES SHOWN ELSEWHERE. SEE "AGGREGATE" TABLE.

TRAFFIC CONTROL

CATEGORY	ROADWAY	LOCATION	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	643.0800 TRAFFIC CONTROL ARROW BOARDS + EACH	643.0800 TRAFFIC CONTROL ARROW BOARDS DAY	643.0900 TRAFFIC CONTROL SIGNS + EACH	643.0900 TRAFFIC CONTROL SIGNS DAY	643.1050 TRAFFIC CONTROL SIGNS PCMS + EACH	643.1050 TRAFFIC CONTROL SIGNS PCMS DAY	643.5000 TRAFFIC CONTROL EACH	644.1410 TEMPORARY PEDESTRIAN SURFACE ASPHALT SF	STAGE DURATION CALENDAR DAYS +
0010	WEST AVE & LA CROSSE ST INTERSECTION	STAGE 1A	40	440	6	66	11	121	28	308	4	44	1	11	27	297	2	14	-	33	11
		STAGE 1B	40	440	6	66	11	121	28	308	4	44	1	11	27	297	-	-	-	36	11
		STAGE 2A	45	495	6	66	11	121	28	308	7	77	1	11	28	308	-	-	-	54	11
		STAGE 2B	47	517	6	66	10	110	26	286	7	77	1	11	32	352	-	-	-	-	11
		STAGE 3	107	1,712	-	-	28	448	56	896	16	256	2	32	49	784	-	-	-	-	16
		STAGE 4	30	480	-	-	3	48	6	96	7	112	1	16	16	256	-	-	-	-	16
		UNDISTRIBUTED		205		15		50		110		30		5		115		-	-	-	
		TOTAL 0010		**4,289**		**279**		**1,019**		**2,312**		**640**		**97**		**2,409**		**14**	**0.5**	**123**	

+ FOR INFORMATION ONLY

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PAVEMENT MARKING

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	633.5350 MARKERS PERMANENT FLEXIBLE (YELLOW) EACH	646.3040 MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE) LF	646.8120 MARKING CURB EPOXY (YELLOW) LF	646.8220 MARKING ISLAND NOSE EPOXY (YELLOW) EACH	646.9110 MARKING REMOVAL LINE WATER BLASTING 8-INCH LF	646.9210 MARKING REMOVAL LINE WATER BLASTING WIDE LF	646.9310 MARKING REMOVAL SPECIAL MARKING WATER BLASTING EACH	SPV.0060.301 MARKING ARROW GROOVED EPOXY (WHITE) EACH	SPV.0060.302 MARKING WORD GROOVED EPOXY (WHITE) EACH	SPV.0090.301 MARKING CROSSWALK GROOVED EPOXY TRANSVERSE LINE 12-INCH (WHITE) LF	SPV.0090.302 MARKING STOP LINE GROOVED EPOXY 12-INCH (WHITE) LF
0010	WEST AVE & LA CROSSE ST INTERSECTION	404+63	-	406+03	SOUTH LEG	1	375	10	1	-	176	4	2	1	143	36
		406+95	-	409+00	NORTH LEG	1	396	10	1	-	203	-	2	1	160	37
					WEST LEG	2	164	20	2	64	172	2	1	-	132	37
					EAST LEG	-	-	-	-	-	138	-	-	-	134	-
					TOTAL 0010	**4**	**935**	**40**	**4**	**64**	**689**	**6**	**5**	**2**	**569**	**110**

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SIGNING

SIGN CODE	SIGN SIZE	SIGN SIZE W IN.	X	SIGN SIZE H IN.	637.2210 SIGNS TYPE II REFLECTIVE H SF	638.2602 REMOVING SIGNS TYPE II EACH	SIGN MOUNTED ON SAME POST AS #	DESCRIPTION	NOTES
M1-94H	2M	72	X	18	9	1	SB2	OVERHEAD STREET NAME SIGN	LA CROSSE ST
M1-94H	2M	72	X	18	9	1	SB6	OVERHEAD STREET NAME SIGN	LA CROSSE ST
M1-94H	2M	60	X	30	12.5	1	SB4	OVERHEAD STREET NAME SIGN	LANG DR / WEST AVE
M1-94H	2M	60	X	30	12.5	1	SB8	OVERHEAD STREET NAME SIGN	WEST AVE / LANG DR
	TOTAL 0010				**43**	**4**			

CONSTRUCTION STAKING

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	650.7000 CONSTRUCTION STAKING CONCRETE PAVEMENT LF	650.8500 CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS 7575-07-70 LS	650.9000 CONSTRUCTION STAKING CURB RAMPS EACH	650.9910 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL 7575-07-70 LS
0010	WEST AVE & LA CROSSE ST INTERSECTION	404+63	-	406+03	MEDIAN (SOUTH LEG)	140	-	-	-
					NW	-	-	2	-
					NE	-	-	1	-
					SW	-	-	2	-
					SE	-	-	2	-
					TOTAL 0010	**140**	**1**	**7**	**1**

TEMPORARY PAVEMENT MARKING

CATEGORY	ROADWAY	LOCATION	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW) LF	649.0250 TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE) LF	649.0960 TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH LF
0010	WEST AVE & LA CROSSE ST INTERSECTION	STAGE 2B	-	-	75
		STAGE 3	125	78	-
		TOTAL 0010	**125**	**78**	**75**

CONDUIT ITEMS

CATEGORY	LOCATION	FROM	TO	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	652.0700.S INSTALL CONDUIT INTO EXISTING ITEM EACH	CONSTRUCTION METHOD
0010	WEST AVE & LA CROSSE ST	CV1	PB2	10	1	TRENCH
		PB5	SB2	16	1	TRENCH
		PB7	SB4	11	1	TRENCH
		PB7	PB8	81	1	TRENCH
		PB11	SB6	5	1	TRENCH
		PB1	SB8	13	1	TRENCH
			EXPB4	5	1	TRENCH - CONNECT TO EXISTING
			EXPB10	5	1	TRENCH - CONNECT TO EXISTING
	TOTAL 0010			**146**	**8**	

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SIGNAL REMOVALS & ADJUSTMENTS

CATEGORY	LOCATION	ITEM NO.	204.0195 REMOVING CONCRETE BASES EACH	653.0900 ADJUSTING PULL BOXES EACH	653.0905 REMOVING PULL BOXES EACH
0010	WEST AVE & LA CROSSE ST	SB2	1	-	-
		SB3	1	-	-
		SB4	1	-	-
		SB5	1	-	-
		SB6	1	-	-
		SB7	1	-	-
		SB8	1	-	-
		SB9	1	-	-
		SB11	1	-	-
		SB12	1	-	-
		PB1	-	1	-
		PB2	-	1	-
		PB3	-	1	-
		PB4	-	-	1
		PB5	-	1	-
		PB7	-	-	1
		PB8	-	1	-
		PB9	-	1	-
		PB10	-	-	1
		PB11	-	1	-
		PB19	-	-	1
TOTAL 0010			**10**	**7**	**4**

CONCRETE BASES

CATEGORY	LOCATION	SIGNAL BASE NO.	ALIGNMENT	STATION	OFFSET	654.0101 CONCRETE BASES TYPE 1 EACH	654.0120 CONCRETE BASES TYPE 10 SPECIAL EACH
0010	WEST AVE & LA CROSSE ST	SB2	WEST AVE	407+01.2	46.6' RT	-	1
		SB3	WEST AVE	406+91.9	55.9' RT	1	-
		SB4	WEST AVE	406+16.3	46.4' RT	-	1
		SB5	WEST AVE	406+04.8	31.1' RT	1	-
		SB6	WEST AVE	405+94.0	50.7' LT	-	1
		SB8	WEST AVE	406+89.4	72.2' LT	-	1
TOTAL 0010						**2**	**4**

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SIGNAL BASES, POLES, AND MAST ARMS

CATEGORY	LOCATION	SIGNAL BASE NO	657.0100 PEDESTAL BASES EACH	657.0347 POLES TYPE 9-SPECIAL EACH	657.0352 POLES TYPE 10-SPECIAL EACH	657.0425 TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT EACH	657.0541 MONOTUBE ARMS 40-FT SPECIAL EACH	657.0546 MONOTUBE ARMS 45-FT SPECIAL EACH	657.0815 LUMINAIRE ARMS STEEL 15-FT EACH	658.0500 PEDESTRIAN PUSH BUTTONS EACH	659.1125 LUMINAIRES UTILITY LED C EACH
0010	WEST AVE & LA CROSSE ST	SB1	1	-	-	1	-	-	-	1	-
		SB2	-	-	1	-	-	1	1	2	1
		SB3	1	-	-	1	-	-	-	-	-
		SB4	-	1	-	-	1	-	-	2	-
		SB5	1	-	-	1	-	-	-	-	-
		SB6	-	-	1	-	-	1	1	1	1
		SB7	1	-	-	1	-	-	-	1	-
		SB8	-	1	-	-	1	-	-	1	-
TOTAL 0010			**4**	**2**	**2**	**4**	**2**	**2**	**2**	**8**	**2**

3

TRAFFIC SIGNAL CABLE AND ELECTRICAL WIRE (1 OF 2)

CATEGORY	LOCATION	FROM	TO	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG LF	655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG LF	655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG LF	655.0270 CABLE TRAFFIC SIGNAL 15-14 AWG LF	655.0320 CABLE TYPE TYPE UF 2-10 AWG GROUNDED LF	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG LF	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	655.0900 TRAFFIC SIGNAL EVP DETECTOR CABLE LF	(INCIDENTAL) LOOP DETECTOR LEAD IN CABLE LF
0010	WEST AVE & LA CROSSE ST	CB1	SB1	-	-	-	34	-	34	-	-	-
		CB1	SB2	-	-	163	-	163	-	-	-	-
		CB1	SB3	-	-	188	-	-	-	-	-	-
		CB1	SB4	-	-	286	-	-	-	-	-	-
		CB1	SB5	-	-	344	-	-	-	-	-	-
		CB1	SB6	-	-	156	-	156	-	-	-	-
		CB1	SB7	-	-	-	124	-	-	-	-	-
		CB1	SB8	-	-	26	-	-	26	-	-	-
		SB1	SB2	-	-	-	-	-	135	-	-	-
		SB2	SB3	-	-	-	-	-	72	-	-	-
		SB3	SB4	-	-	-	-	-	123	-	-	-
		SB4	SB5	-	-	-	-	-	93	-	-	-
		SB6	SB7	-	-	-	-	-	52	-	-	-
		SB7	SB8	-	-	-	-	-	123	-	-	-
		PB1	SB8	-	-	-	-	-	20	-	-	-
		PB2	SB1	-	-	-	-	-	18	-	-	-
		PB5	SB2	-	-	-	-	-	29	-	-	-
		PB6	SB3	-	-	-	-	-	20	-	-	-
		PB7	SB4	-	-	-	-	-	24	-	-	-
		PB8	SB5	-	-	-	-	-	26	-	-	-
		PB11	SB6	-	-	-	-	-	18	-	-	-
		PB12	SB7	-	-	-	-	-	17	-	-	-
		CB1	HEAD D (SB8)	-	-	-	-	-	-	-	91	-
		CB1	V1 (SB6)	-	-	-	-	-	-	-	-	-

(CONTINUED ON NEXT PAGE)

TRAFFIC SIGNAL CABLE AND ELECTRICAL WIRE (2 OF 2)

CATEGORY	LOCATION	FROM	TO	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG LF	655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG LF	655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG LF	655.0270 CABLE TRAFFIC SIGNAL 15-14 AWG LF	655.0320 CABLE TYPE TYPE UF 2-10 AWG GROUNDED LF	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG LF	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	655.0900 TRAFFIC SIGNAL EVP DETECTOR CABLE LF	(INCIDENTAL) LOOP DETECTOR LEAD IN CABLE LF
0010	WEST AVE & LA CROSSE ST	SB1	HEAD 1	-	23	-	-	-	-	-	-	-
		SB1	HEAD 2	21	-	-	-	-	-	-	-	-
		SB1	HEAD 18	15	-	-	-	-	-	-	-	-
		SB1	PUSH BUTTON	-	-	-	-	-	-	-	-	6
		SB2	HEAD 3	70	-	-	-	-	-	-	-	-
		SB2	HEAD 4	-	72	-	-	-	-	-	-	-
		SB2	HEAD 19	15	-	-	-	-	-	-	-	-
		SB2	PUSH BUTTON	-	-	-	-	-	-	-	-	6
		SB2	PUSH BUTTON	-	-	--	-	-	-	-	-	6
		SB2	LUMINAIRE	-	-	-	-	-	-	144	-	-
		SB3	HEAD 5	21	-	-	-	-	-	-	-	-
		SB3	HEAD 6	-	23	-	-	-	-	-	-	-
		SB3	HEAD 20	15	-	-	-	-	-	-	-	-
		SB4	HEAD 7	65	-	-	-	-	-	-	-	-
		SB4	HEAD 8	-	67	-	-	-	-	-	-	-
		SB4	HEAD 21	15	-	-	-	-	-	-	-	-
		SB4	PUSH BUTTON	-	-	-	-	-	-	-	-	6
		SB4	PUSH BUTTON	-	-	-	-	-	-	-	-	6
		SB5	HEAD 9	21	-	-	-	-	-	-	-	-
		SB5	HEAD 10	-	23	-	-	-	-	-	-	-
		SB5	HEAD 22	15	-	-	-	-	-	-	-	-
		SB6	HEAD 11	70	-	-	-	-	-	-	-	-
		SB6	HEAD 12	-	72	-	-	-	-	-	-	-
		SB6	HEAD 23	15	-	-	-	-	-	-	-	-
		SB6	PUSH BUTTON	-	-	-	-	-	-	-	-	6
		SB6	LUMINAIRE	-	-	-	-	-	-	144	-	-
		SB7	HEAD 13	-	23	-	-	-	-	-	-	-
		SB7	HEAD 14	21	-	-	-	-	-	-	-	-
		SB7	HEAD 24	15	-	-	-	-	-	-	-	-
		SB7	PUSH BUTTON	-	-	-	-	-	-	-	-	6
		SB8	HEAD 15	65	-	-	-	-	-	-	-	-
		SB8	HEAD 16	-	67	-	-	-	-	-	-	-
		SB8	HEAD 17	15	-	-	-	-	-	-	-	-
		SB8	PUSH BUTTON	-	-	-	-	-	-	-	-	6
		CV1	CB1	-	-	-	-	-	37	-	-	-
TOTAL 0010				**474**	**370**	**1163**	**158**	**319**	**867**	**288**	**91**	**48**

SIGNAL MOUNTING HARDWARE

CATEGORY	LOCATION	658.5069.001 SIGNAL MOUNTING HARDWARE (WEST AVE & LA CROSSE ST) LS
0010	WEST AVE & LA CROSSE ST	1
	TOTAL 0010	**1**

TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS WEST AVE & LA CROSSE ST

CATEGORY	LOCATION	661.0200.001 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS (WEST AVE & LA CROSSE ST) LS
0010	WEST AVE & LA CROSSE ST	1
	TOTAL 0010	**1**

3

SIGNAL FACES

CATEGORY	LOCATION	SIG. BASE NO	SIG. HEAD NO	TYPE OF MOUNT	658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	658.0175 TRAFFIC SIGNAL FACE 5S 12-INCH EACH	+ BACKPLATE 3-SEC EACH	+ BACKPLATE 5-SEC EACH	+ LED RED BALL EACH	+ LED YELLOW BALL EACH	+ LED GREEN BALL EACH	+ LED YELLOW ARROW EACH	+ LED GREEN ARROW EACH	658.0416 PEDESTRIAN SIGNAL FACE 16-INCH EACH	++ LED MODULES COUNTDOWN TIMER 16" 16-INCH EACH
0010	WEST AVE & LA CROSSE ST	SB1	1	POST MOUNT VERTICAL	-	1	-	1	1	1	1	1	1	-	-
		SB1	2	POST MOUNT VERTICAL	1	-	1	-	1	1	1	-	-	-	-
		SB1	18	PEDESTRIAN	-	-	-	-	-	-	-	-	-	1	1
		SB2	3	MONOTUBE ARM MOUNT VERTICAL	1	-	1	-	1	1	1	-	-	-	-
		SB2	4	MONOTUBE ARM MOUNT VERTICAL	-	1	-	1	1	1	1	1	1	-	-
		SB2	19	PEDESTRIAN	-	-	-	-	-	-	-	-	-	1	1
		SB3	5	POST MOUNT VERTICAL	1	-	1	-	1	1	1	-	-	-	-
		SB3	6	POST MOUNT VERTICAL	-	1	-	1	1	1	1	1	1	-	-
		SB3	20	PEDESTRIAN	-	-	-	-	-	-	-	-	-	1	1
		SB4	7	MONOTUBE ARM MOUNT VERTICAL	1	-	1	-	1	1	1	-	-	-	-
		SB4	8	MONOTUBE ARM MOUNT VERTICAL	-	1	-	1	1	1	1	1	1	-	-
		SB4	21	PEDESTRIAN	-	-	-	-	-	-	-	-	-	1	1
		SB5	9	POST MOUNT VERTICAL	1	-	1	-	1	1	1	-	-	-	-
		SB5	10	POST MOUNT VERTICAL	-	1	-	1	1	1	1	1	1	-	-
		SB5	22	PEDESTRIAN	-	-	-	-	-	-	-	-	-	1	1
		SB6	11	MONOTUBE ARM MOUNT VERTICAL	1	-	1	-	1	1	1	-	-	-	-
		SB6	12	MONOTUBE ARM MOUNT VERTICAL	-	1	-	1	1	1	1	1	1	-	-
		SB6	23	PEDESTRIAN	-	-	-	-	-	-	-	-	-	1	1
		SB7	13	POST MOUNT VERTICAL	-	1	-	1	1	1	1	1	1	-	-
		SB7	14	POST MOUNT VERTICAL	1	-	1	-	1	1	1	-	-	-	-
		SB7	24	PEDESTRIAN	-	-	-	-	-	-	-	-	-	1	1
		SB8	15	MONOTUBE ARM MOUNT VERTICAL	1	-	1	-	1	1	1	-	-	-	-
		SB8	16	MONOTUBE ARM MOUNT VERTICAL	-	1	-	1	1	1	1	1	1	-	-
		SB8	17	PEDESTRIAN	-	-	-	-	-	-	-	-	-	1	1
TOTAL 0010					**8**	**8**	**8**	**8**	**16**	**16**	**16**	**8**	**8**	**8**	**8**

+ INCIDENTAL TO 658.0173 OR 658.0175
++ INCIDENTAL TO 658.0416

3

FIBER OPTIC SPLICING & CABLING

CATEGORY	LOCATION	673.0105 COMMUNICATION VAULT TYPE 1 EACH	678.0200 INSTALL FIBER OPTIC SPLICE ENCLOSURE EACH	678.0300 FIBER OPTIC SPLICE EACH
0010	CV1	1	1	2
TOTAL 0010		**1**	**1**	**2**

FIBER OPTIC COMMUNICATION EQUIPMENT

CATEGORY	LOCATION	678.0600 INSTALL ETHERNET SWITCHES EACH	SPV.0060.313 INSTALL FIBER OPTIC COMMUNICATIONS IN CABINET (WEST AVE & LA CROSSE ST) EACH	+ FIBER OPTIC PATCH PANEL WITH CABLE PIGTAIL 8-CT EACH	LF	+ ST-ST SINGLE MODE FIBER JUMPER 4-FEET EACH	+ CAT-5E CABLE 5-FEET EACH	+ SFP OPTICS 1 GBPS LX EACH
0010	CB1	1	1	1	100	2	3	2
	TOTAL 0010	**1**	**1**	**1**	**100**	**2**	**3**	**2**

+ INCIDENTAL TO ITEM SPV.0105.307

SAWING

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF
0010	WEST AVE & LA CROSSE ST INTERSECTION	404+63	-	406+03	MEDIAN (SOUTH LEG)	-	291
		406+95	-	409+00	MEDIAN (NORTH LEG)	410	17
					NW	25	96
					NE	4	130
					SW	-	79
					SE	-	130
					TOTAL 0010	**439**	**743**

3

ADJUSTING WATER VALVES

CATEGORY	ROADWAY	LOCATION	SPV.0060.232 ADJUSTING WATER VALVES EACH
0020	WEST AVE & LA CROSSE ST INTERSECTION	MEDIAN (WEST LEG)	1
		NE	1
		TOTAL 0020	**2**

EMERGENCY VEHICLE PREEMPTION

CATEGORY	LOCATION	SPV.0060.305 EVP DETECTOR TYPE I EACH	SPV.0060.306 EVP DISCRIMINATOR TYPE IV EACH
0010	WEST AVE & LA CROSSE ST	1	1
	TOTAL 0010	**1**	**1**

TRAFFIC SIGNAL CONTROLLER & CABINET
WEST AVE & LA CROSSE ST

CATEGORY	LOCATION	SPV.0060.307 TRAFFIC SIGNAL CONTROLLER & CABINET (WEST AVE & LA CROSSE ST) EACH
0010	WEST AVE & LA CROSSE ST	1
	TOTAL 0010	**1**

3

REMOVE, SALVAGE, & REINSTALL VIDEO DETECT SYSTEM
WEST AVE & LA CROSSE ST

CATEGORY	LOCATION	SPV.0060.309 REMOVE, SALVAGE, & REINSTALL VIDEO DETECT SYSTEM (WEST AVE & LA CROSSE ST) EACH
0010	WEST AVE & LA CROSSE ST	1
	TOTAL 0010	**1**

REMOVE, SALVAGE, & REINSTALL EVP SYSTEM
WEST AVE & LA CROSSE ST

CATEGORY	LOCATION	SPV.0060.310 REMOVE, SALVAGE, & REINSTALL EVP SYSTEM (WEST AVE & LA CROSSE ST) EACH
0010	WEST AVE & LA CROSSE ST	1
	TOTAL 0010	**1**

REMOVE, SALVAGE, & REINSTALL TRAF SIG INTERCONN
WEST AVE & LA CROSSE ST

LOCATION	SPV.0060.312 REMOVE, SALVAGE, & REINSTALL TRAF SIG INTERCONN (WEST AVE & LA CROSSE ST) EACH
0010 WEST AVE & LA CROSSE ST	1
TOTAL 0010	**1**

HAZARDOUS MATERIALS

CATEGORY	ROADWAY	STATION	LOCATION	SPV.0195.301 MANAGEMENT OF SOLID WASTE TON
0010	WEST AVE & LA CROSSE ST INTERSECTION	406+92	56' LT	1
			TOTAL 0010	**1**

SUMMARY OF CITY-FURNISHED MATERIALS (FOR INFORMATION ONLY)

QUANTITY	UNIT	DESCRIPTION
1	EACH	ETHERNET SWITCH
2	EACH	SFP OPTICS, 1 GBPS
1	EACH	GATOR PATCH, 8-CT

R/W PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
1641-03-25	4.01	7
FEDERAL PROJECT NUMBER N/A		

PLAT OF RIGHT OF WAY REQUIRED FOR

VARIOUS INTERSECTIONS

MORMON COULEE RD, JACKSON ST & LACROSSE ST

CONSTRUCTION PROJECT NUMBER	
1641-03-75/5120-02-70/7575-07-70	LACROSSE COUNTY

CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W LINE
PROPERTY LINE
LOT, TIE, AND OTHER MINOR LINES
SLOPE INTERCEPT
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC)
FEE ACQUISITION AREA (HATCHING VARIES BY OWNER)
TEMP. LIMITED EASEMENT AREA
EASEMENT AREA (HIGHWAY, PERMANENT LIMITED, OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
BUILDING
BUILDING (TO BE REMOVED)
BRIDGE

PARCEL NUMBER
SECTION CORNER
NOTATION FOR COMBUSTABLE FLUIDS
NOTATION FOR HIGH VOLTAGE TRANSMISSION LINES
UTILITY NUMBER
R/W MONUMENT
NON-MONUMENTED R/W POINT
FOUND ¾" IRON ROD
FOUND 1" IRON PIPE
VALVE (GAS, WATER, ETC.)
SIGN
OFF-PREMISE SIGN

ACCESS CONTROLLED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
NO ACCESS (NEW HIGHWAY)
NATIONAL GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
PARALLEL OFFSETS

CONVENTIONAL UTILITY SYMBOLS

WATER	W
GAS	G
TELEPHONE	T
OVERHEAD TRANSMISSION LINES	OH
ELECTRIC	E
CABLE TELEVISION	TV
FIBER OPTIC	FO
SANITARY SEWER	SAN
STORM SEWER	SS
ELECTRIC TOWER	

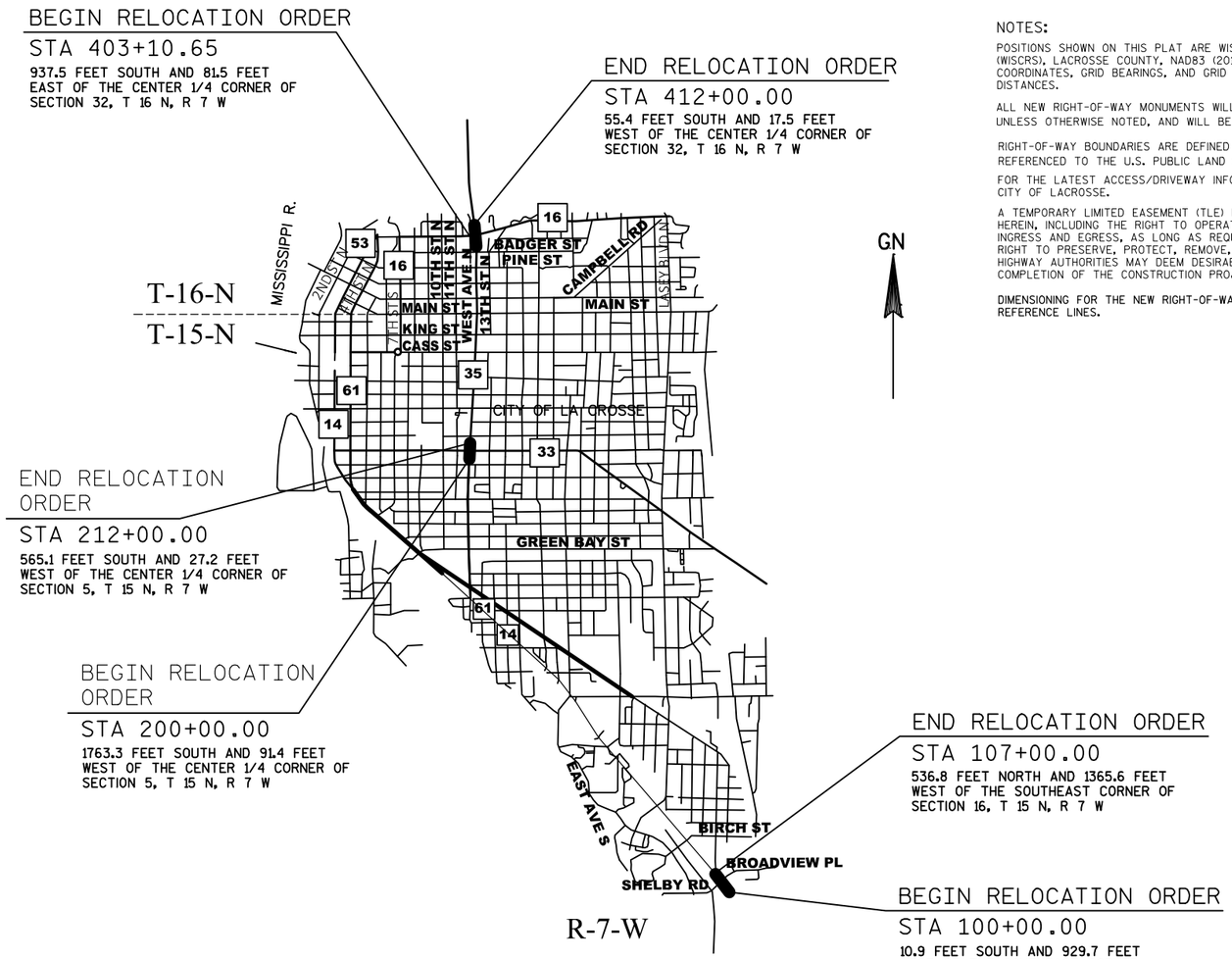
	NON-COMPENSABLE	COMPENSABLE
POWER POLE		
TELEPHONE POLE		
TELEPHONE PEDESTAL		

CURVE DATA ABBREVIATIONS

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE	Δ /DELTA
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	OUTLOT	OL
ACRES	AC	PAGE	P
AHEAD	AH	POINT OF TANGENCY	PT
ALUMINUM	ALUM	PROPERTY LINE	PL
AND OTHERS	ET AL	RECORDED AS	(100')
BACK	BK	REEL / IMAGE	R/I
BLOCK	BLK	REFERENCE LINE	R/L
CENTERLINE	C/L	PERMANENT LIMITED EASEMENT	PLE
CERTIFIED SURVEY MAP	CSM	POINT OF BEGINNING	POB
CONCRETE	CONC	POINT OF CURVATURE	PC
COUNTY	CO	POINT OF COMPOUND CURVE	PCC
COUNTY TRUNK HIGHWAY	CTH	POINT OF INTERSECTION	PI
DISTANCE	DIST	REMAINING	REM
CORNER	COR	RESTRICTIVE DEVELOPMENT EASEMENT	RDE
DOCUMENT NUMBER	DOC	RIGHT	RT
EASEMENT	EASE	RIGHT OF WAY	R/W
EXISTING	EX	SECTION	SEC
GAS VALVE	GV	SEPTIC VENT	SEPV
GRID NORTH	GN	SQUARE FEET	SF
HIGHWAY EASEMENT	HE	STATE TRUNK HIGHWAY	STH
IDENTIFICATION	ID	STATION	STA
LAND CONTRACT	LC	TELEPHONE PEDESTAL	TP
LEFT	LT	TEMPORARY LIMITED EASEMENT	TLE
MONUMENT	MON	TRANSPORTATION PROJECT PLAT	TPP
NATIONAL GEODETIC SURVEY	NGS	UNITED STATES HIGHWAY	USH
NUMBER	NO	VOLUME	V



LAYOUT
1"=300'

TOTAL NET LENGTH OF REFERENCE LINE = 0.520 MI

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), LACROSSE COUNTY, NAD83 (2011) IN US 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 1" X 24" IRON PIPES), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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".

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION CONTACT THE PLANNING DEPARTMENT OF THE CITY OF LACROSSE.

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 THE PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO NEW REFERENCE LINES.

THIS PLAT IS A GRAPHIC REPRESENTATION AND IS FOR REFERENCE PURPOSES ONLY. DEEDS MUST BE CHECKED TO DETERMINE PROPERTY BOUNDARIES AND ACCESS RIGHTS.

ORIGINAL PLAT PREPARED BY

raSmith
CREATIVITY BEYOND ENGINEERING

16745 W. Bluemound Road, Brookfield WI 53005
262-781-1000 Fax 262-781-8466
www.rasmithnational.com

WISCONSIN
MICHAEL J. RATZBURG
S-2236
WAUKESHA
WI
LAND SURVEYOR

DATE: 08/10/20

LAND SURVEYOR

REVISION DATE: 10/7/2020 (2)

CITY OF LACROSSE

APPROVED FOR THE CITY OF LACROSSE

DATE: 10/15/2020

(Signatur

FILE NAME:S/5168021/DWG/52200404/PLAT/SPP title.DWG

1641-03-25 - 4.01

SCHEDULE OF LANDS & INTERESTS REQUIRED

AREAS SHOWN IN THE TOTAL ACRES COLUMN MAY BE APPROXIMATE AND ARE DERIVED FROM TAX ROLLS OR OTHER AVAILABLE SOURCES AND MAY NOT INCLUDE LANDS OF THE OWNER WHICH ARE NOT CONTIGUOUS TO THE AREA TO BE ACQUIRED.

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND AND INTERESTS TO THE CITY OF LACROSSE.

PARCEL NUMBER	SHEET NUMBER	OWNER(S)	INTEREST REQUIRED	TOTAL ACRES	R/W REQUIRED ACRES			TOTAL REMAINING ACRES	T.L.E. ACRES	P.L.E. ACRES	PARCEL NUMBER
					NEW	EXISTING	TOTAL				
1	4.05	CRYSTAL M. & CHAD KUHNKE	FEE, TLE	0.46	0.001	-	0.001	0.46	0.003	-	1
2	4.05	RIVER BANK	FEE, TLE	1.00	0.001	-	0.001	1.00	0.003	-	2
3	4.06	WILLIAM J. BERGE	TLE	0.32	-	-	-	0.32	0.008	-	3
4	4.06	GREAT NORTHERN INVESTMENT OF LACROSSE, INC.	FEE, TLE	1.41	0.004	-	0.004	1.41	0.009	-	4
5	4.06	J & K HOSPITALITY, LLC	TLE	0.37	-	-	-	0.37	0.008	-	5
6	4.07	KT REAL ESTATE HOLDINGS, LLC.	TLE	0.08	-	-	-	0.08	0.005	-	6
7	4.07	ROTTINGHAUS REAL ESTATE, LLC.	FEE, TLE	0.26	0.004	-	0.004	0.26	0.007	-	7
8	4.07	MARY LOU PETERSON	FEE, TLE	0.34	0.005	-	0.005	0.34	0.007	-	8
101	4.05	XCEL ELECTRIC	RELEASE OF RIGHTS								
102	4.06 & 4.07	XCEL GAS	RELEASE OF RIGHTS								

REVISION DATE:	DATE: 08-10-2020	SCALE, FEET 0 N/A N/A	HWY: VARIOUS INTERSECTIONS	STATE R/W PROJECT NUMBER: 1641-03-25	PLAT SHEET: 4.02	
	GRID FACTOR: N/A		COUNTY: LACROSSE	CONSTRUCTION PROJECT NUMBER: 1641-03-75/5120-02-70/7575-07-70	PS&E SHEET:	E

FILE NAME:S/5168021/DWG/52200404/PLAT/SPP title.DWG

GN

4

4

T-15-N
R-7-W

16 16
16 16

16 15
16 15

NW-SE

NE-SE

END RELOCATION
ORDER
STA 107+00.00
Y = 116360.23
X = 454920.62

SW-SE

SE-SE

MORMON COULEE ROAD

BROADVIEW PLACE

STATE

USH 14

SHELBY RD

16 16
21 21

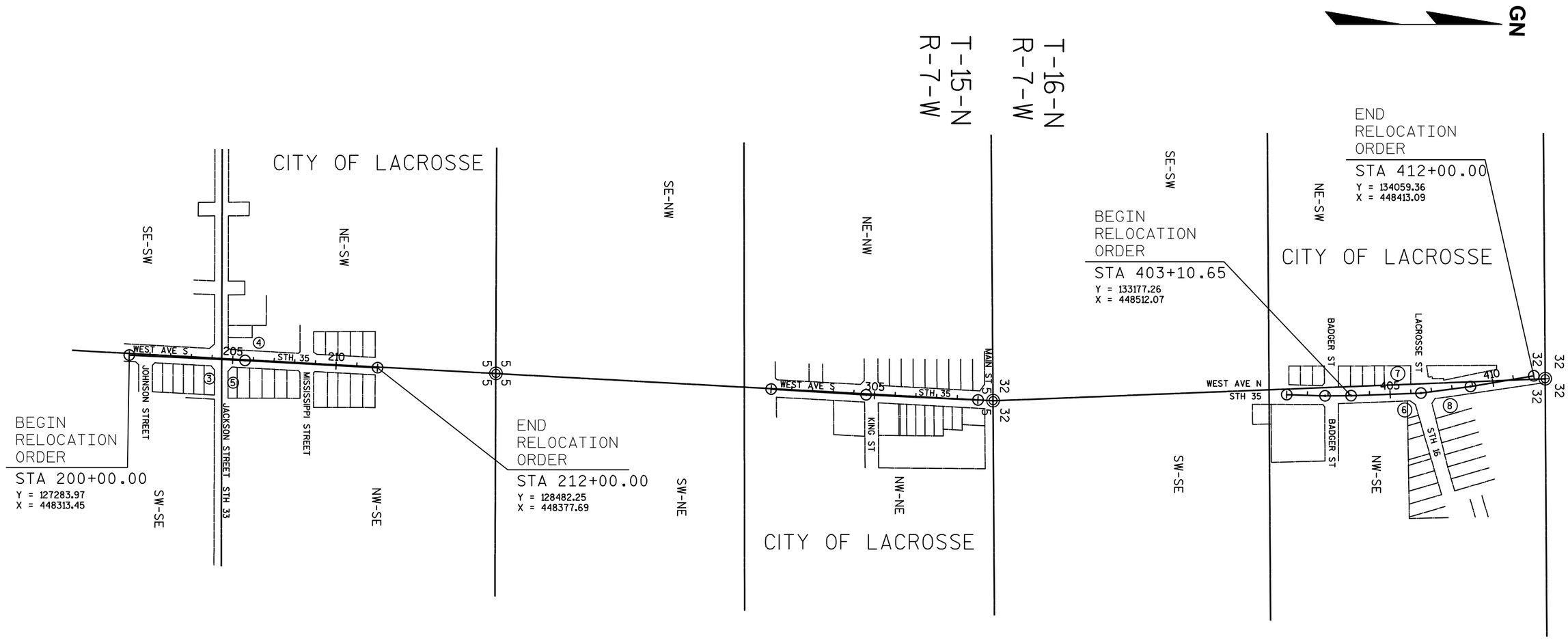
CITY OF LACROSSE

16 15
21 22

BEGIN RELOCATION
ORDER
STA 100+00.00
Y = 115812.50
X = 455356.49

REVISION DATE:	DATE: 08-10-2020	SCALE, FEET 0 N/A N/A	HWY: VARIOUS INTERSECTIONS	STATE R/W PROJECT NUMBER: 1641-03-25	PLAT SHEET: 4.03	
	GRID FACTOR: N/A		COUNTY: LACROSSE	CONSTRUCTION PROJECT NUMBER: 1641-03-75	PS&E SHEET:	E

FILE NAME:S/5168021/DWG/52200404/PLAT/SPP title.DWG



REVISION DATE:	DATE: 08-10-2020	SCALE, FEET 0 N/A N/A	HWY: VARIOUS INTERSECTIONS	STATE R/W PROJECT NUMBER: 1641-03-25	PLAT SHEET: 4.04	
	GRID FACTOR: N/A		COUNTY: LACROSSE	CONSTRUCTION PROJECT NUMBER: 5120-02-70/7575-07-70	PS&E SHEET:	E

FILE NAME:S/5168021/DWG/52200404/PLAT/SPP title.DWG

NOTES:

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R/W STATION & OFFSET TABLE		
300	103+00.00	50.28 LT
301	103+00.00	52.28 LT
302	103+05.00	52.20 LT
303	103+14.12	61.80 LT
304	103+99.00	32.60 RT
305	103+94.11	38.58 RT
400	103+08.97	50.13 LT
401	103+14.54	56.02 LT
402	103+94.00	32.58 RT

TLE STATION & OFFSET TABLE		
700	102+94.97	50.36 LT
701	103+13.53	69.90 LT
702	104+09.00	32.63 RT
703	103+94.35	50.58 RT

COURSE TABLE		
LINE	BEARING	DISTANCE
300-301	S51°29'16"W	2.00
301-302	N37°34'48"W	5.00
302-303	N84°59'41"W	13.24
303-401	N47°19'52"E	5.80
401-400	S85°07'28"E	8.10
400-300	S37°34'48"E	8.97
300-700	S37°34'48"E	5.03
700-701	N84°59'41"W	26.95
701-303	N47°19'52"E	8.12
402-304	N38°20'36"W	5.00
304-305	S89°18'18"E	7.73
305-402	S50°22'34"W	6.00
304-702	N38°20'36"W	10.00
702-703	S89°18'18"E	23.18
703-305	S50°22'34"W	12.00

END RELOCATION ORDER
STA 107+00.00
N=116360.23
E=454920.62

CITY OF LACROSSE

DETAIL 1" = 20'

101 XCEL ENERGY - ELECTRIC
NO RECORD
OF EASEMENT
PARCEL 1

GN

SW-SE

SE-SE

RIVER BANK

CSM 35
V.1, P.35
DOC.829838

BROADVIEW PLACE

VARIES

309.22'
R/L-N38°30'44"W

105'

95'

76.18'

N45°50'43"E
32.14'

S35°17'50"W
52.36'

LOT 1
CSM 100
V.11, P.100
DOC.1385583

1/16TH LN

SHELBY ROAD

70'

MORMON COULEE RD R/L
MORMON COULEE ROAD
USH 14

S38°20'36"E
402 TO R/W
408.13'

303.90'

N37°34'48"W
R/W TO 300
255.34'

BEGIN RELOCATION ORDER
STA 100+00.00
N=115812.50
E=455356.49

CONC MONUMENT
WITH BERNTSEN CAP
Y = 115,816.18
X = 453,620.88

BERNTSEN CAP IN
1-1/4" IRON PIPE
Y = 115823.41
X = 456286.20

T 15 N
R 7 W
16 | 15
21 | 22

1728.95'
SECTION LINE=N89°50'40"E 2665.33'

STA=100+10.70
936.38'

S89°50'40"W
69.23'
R/L TO
R/W

S89°50'40"W
40.01'
R/W TO
R/L

HWY	BASIS OF EXISTING R/W	R/W WIDTH
MORMON COULEE RD.	C.S.M. 100	95'
MORMON COULEE RD.	C.S.M. 35	VARIES
SHELBY ROAD	C.S.M. 100	70'
BROADVIEW PLACE	C.S.M. 35	VARIES

SLOPE INTERCEPT
TLE, SLOPES

DETAIL 1" = 20'

REVISION DATE: 10/7/2020 (NC)	DATE: 08-10-2020	SCALE, FEET 0 50 100	HWY: VARIOUS INTERSECTIONS	STATE R/W PROJECT NUMBER: 1641-03-25	PLAT SHEET: 4.05
	GRID FACTOR: N/A		COUNTY: LACROSSE	CONSTRUCTION PROJECT NUMBER: 1641-03-75	PS&E SHEET:

E

FILE NAME:S/5168021/DWG/52200404/PLAT/SPP title.DWG

1641-03-25 - 4.05

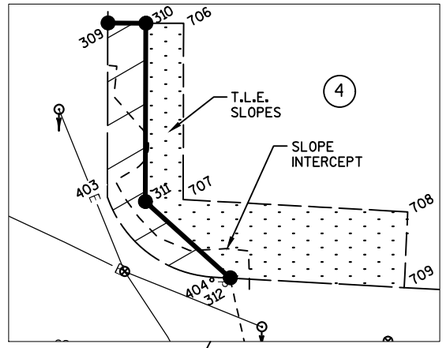
NOTES:

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DETAIL 1" = 20'



R/W STATION & OFFSET TABLE		
309	204+67.74	82.81 LT
310	204+72.74	83.03 LT
311	204+73.79	59.52 LT
312	204+85.44	49.97 LT
313	205+08.74	34.12 RT
317	204+07.61	51.45 RT
318	203+90.79	33.34 RT
403	204+68.77	59.83 LT
404	204+83.00	49.99 LT
405	204+90.74	34.07 RT
406	204+73.87	55.44 RT

TLE STATION & OFFSET TABLE		
706	204+77.73	83.25 LT
707	204+78.77	60.02 LT
708	205+08.04	59.88 LT
709	205+08.12	49.88 LT
710	205+08.80	43.12 RT
711	204+90.01	43.07 RT
712	204+78.95	57.08 RT
713	204+79.54	70.20 RT
714	204+74.55	70.43 RT
715	204+08.33	66.91 RT
716	203+77.25	33.29 RT

102 XCEL ENERGY - GAS
NO RECORD OF EASEMENT PARCEL 5

PI	Y	X
201+15.18	127399.59	448320.05
203+86.05	127669.45	448334.53
204+96.76	127780.04	448339.78

5" BERNTSEN NAIL
Y = 126399.27
X = 448259.81

3/4" IRON BAR
Y = 129047.30
X = 448404.88

BEGIN RELOCATION ORDER
STA 200+00.00
N=127283.97
E=448313.45

END RELOCATION ORDER
STA 212+00.00
N=128482.25
E=448377.69

CITY OF LACROSSE

GREAT NORTHERN INVESTMENT

BLOCK 12 ESPERSON & BURNS ADDITION

BLOCK 7 ESPERSON & BURNS ADDITION

BLOCK D E S B VAILS ADDITION

BLOCK C E S B VAILS ADDITION

LAHURES ADDITION

BERGE

WEST AVENUE S

STH 35

WEST AVE R/L

JOHNSON STREET

JACKSON STREET

MISSISSIPPI STREET

STH 33

SE-SW

NE-SW

SW-SE

NW-SE

PI: 201+15.80

PI: 203+86.05

PI: 204+96.76

1/16TH LN

QUARTER LINE = N03°08'09"E 2652.00'
MONUMENT TO MONUMENT
1267.76'

R/L = N03°16'07"E 115.80'

R/L = N03°04'18"E 270.25'

R/L = N03°05'27"E 700.86'

1271.43'

112.81'

110.71'

N02°42'57"E 2.38'

N84°23'25"E 5.19' R/L TO QUARTER LN

N84°23'25"E 33.69' R/L TO 318

N71°23'14"E 35.45' R/L TO 313

S71°23'14"W 41.35'

N71°23'14"E 4.48' SEC LN TO R/L

SLOPE INTERCEPT

T.L.E. SLOPES

66'

84'

LOT 1 LOT 2 LOT 3 LOT 4 LOT 5

LOT 9 LOT 8 LOT 7 LOT 6 LOT 5 LOT 4

LOT 11 LOT 10 LOT 9 LOT 8 LOT 7 LOT 6

LOT 10 LOT 9 LOT 8 LOT 7 LOT 6

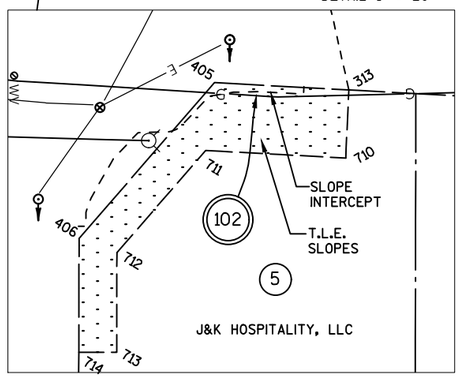
PL

SAN.

W

G

DETAIL 1" = 20'



COURSE TABLE		
LINE	BEARING	DISTANCE
312-404	S03°08'09"W	2.44
404-403	SEE CURVE DATA	
403-309	N89°50'51"W	23.00
309-310	N0°09'09"E	5.00
310-311	S89°50'51"E	23.54
311-312	N42°02'36"E	15.06
310-706	N00°09'09"E	5.00
706-707	S89°50'51"E	23.26
707-708	N03°08'09"E	29.66
708-709	S87°19'59"E	10.00
709-312	S03°08'09"W	23.00
313-710	S87°19'59"E	9.00
710-711	S03°08'09"W	18.51
711-712	S49°00'22"E	17.85

R/W CURVE TABLE				
CURVE	LENGTH	RADIUS	BEARING	CHORD
404-403	18.30'	15.84'	S37°22'47"W	17.30'

712-713	S89°51'41"E	13.14
713-714	S00°08'19"W	5.00
714-406	N89°51'41"W	15.00
406-405	N49°00'22"W	27.23
405-313	N03°08'09"E	17.77
318-317	N49°49'01"E	24.72
317-715	S89°55'55"E	15.48
715-716	S49°49'01"W	45.96
716-318	N03°08'09"E	13.74

HWY	BASIS OF EXISTING R/W	R/W WIDTH
WEST AVENUE	ESPERSON & BURNS ADDITION	84'
WEST AVENUE	ESB VAILS ADDITION	84'
WEST AVENUE	LAHURES ADDTION	84'
JACKSON STREET	ESPERSON & BURNS ADDITION	66'
JACKSON STREET	ESB VAILS ADDITION	66'
JACKSON STREET	LAHURES ADDTION	66'

GN

REVISION DATE: 10/7/2020 (NC)	DATE: 08-10-2020	SCALE, FEET 0 50 100	HWY: VARIOUS INTERSECTIONS	STATE R/W PROJECT NUMBER: 1641-03-25	PLAT SHEET: 4.06
	GRID FACTOR: N/A		COUNTY: LACROSSE	CONSTRUCTION PROJECT NUMBER: 5120-02-70	PS&E SHEET: E

FILE NAME:S/5168021/DWG/52200404/PLAT/SPP title.DWG

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), LACROSSE COUNTY, NAD83 (2011) IN US 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 1" X 24" IRON PIPES), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION CONTACT THE PLANNING DEPARTMENT OF THE CITY OF LACROSSE.

HWY	BASIS OF EXISTING R/W	R/W WIDTH
WEST AVENUE	METZGERS & FUNKS ADDITION	VARIES
WEST AVENUE	BURNS DURAND SMITH & RUBLEES ADD.	VARIES
WEST AVENUE	DC EVANS ADDITION	VARIES
LACROSSE STREET	BURNS DURAND SMITH & RUBLEES ADD.	VARIES
LACROSSE STREET	DC EVANS ADDITION	VARIES

(102) XCEL ENERGY - GAS
NO RECORD
OF EASEMENT
PARCEL 8

COURSE TABLE

LINE	BEARING	DISTANCE
409-332	S02°16'23"E	13.89
332-333	S87°54'49"W	2.50
333-350	N58°20'31"W	10.50
350-351	N02°16'23"W	4.49
351-352	N68°50'41"W	5.19
352-334	N85°24'33"W	6.11
334-414	S89°43'23"W	5.50
414-335	N00°16'37"W	1.50
335-409	N89°43'23"E	27.50
332-733	S02°16'23"E	12.00
733-734	S87°54'49"W	15.00
734-735	N02°16'23"W	14.34
735-736	N58°20'31"W	10.42
736-737	S89°43'23"W	4.07
737-414	N00°16'37"W	5.00
411-336	N06°10'29"W	12.70
336-337	N82°25'57"E	3.49
337-338	S07°30'34"E	10.87
338-339	S57°33'44"E	13.82
339-340	N74°49'43"E	12.83
340-341	S14°17'29"E	11.50
341-410	S75°42'31"W	7.00
410-411	N58°14'09"W	27.77
336-738	N06°10'29"W	5.00
738-739	N82°25'57"E	8.37
739-740	S07°30'34"E	13.54
740-741	S57°33'44"E	9.28
741-742	N74°49'43"E	15.70
742-743	S14°17'29"E	16.58
743-341	S75°42'31"W	5.00
345-346	N34°57'38"E	31.03
346-754	N73°45'19"E	15.00
754-744	S16°14'41"E	5.00
744-745	S73°45'19"W	13.24
745-746	S34°57'38"W	35.75
746-345	N02°41'11"W	8.19

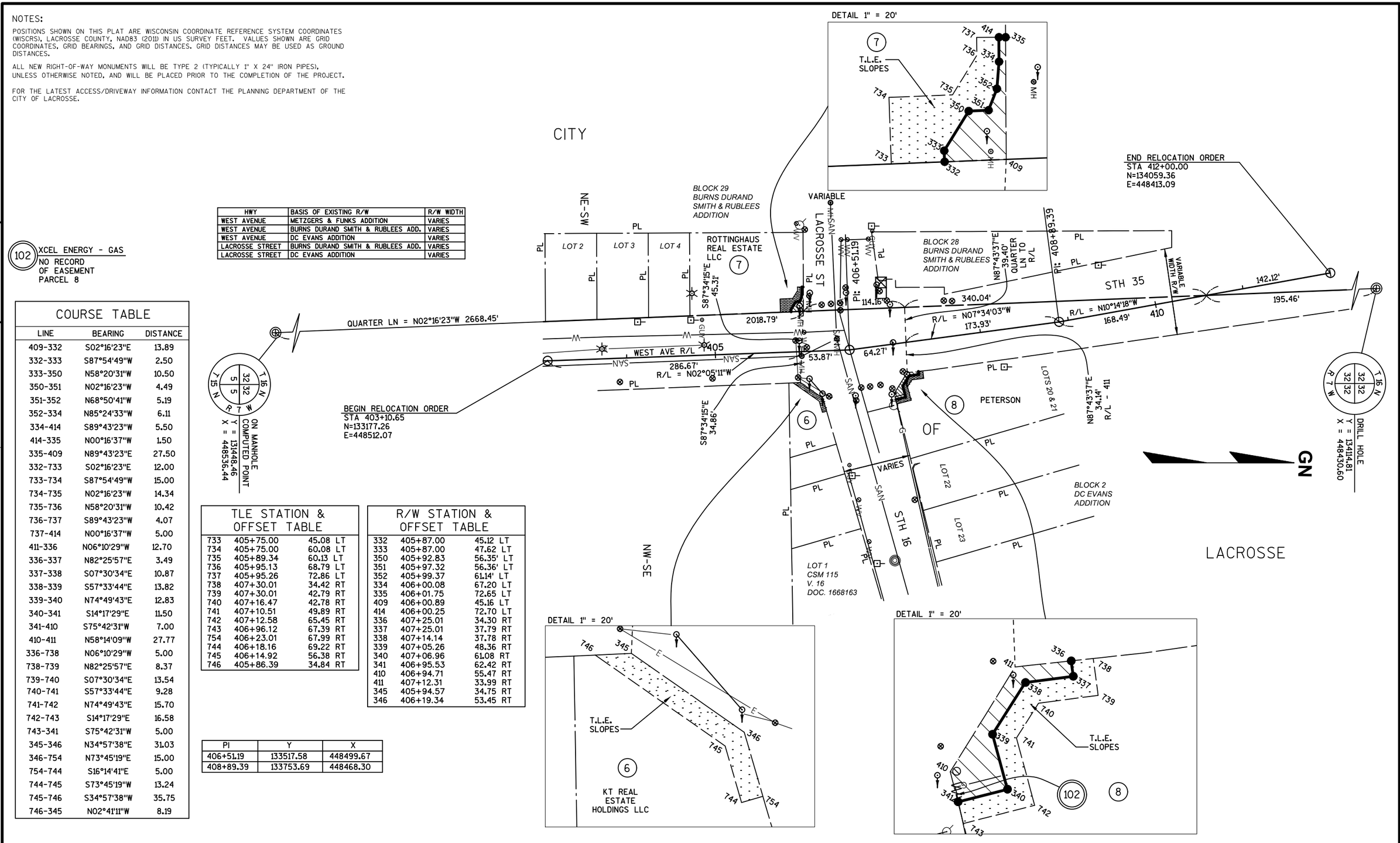
TLE STATION & OFFSET TABLE

733	405+75.00	45.08 LT
734	405+75.00	60.08 LT
735	405+89.34	60.13 LT
736	405+95.13	68.79 LT
737	405+95.26	72.86 LT
738	407+30.01	34.42 RT
739	407+30.01	42.79 RT
740	407+16.47	42.78 RT
741	407+10.51	49.89 RT
742	407+12.58	65.45 RT
743	406+96.12	67.39 RT
754	406+23.01	67.99 RT
744	406+18.16	69.22 RT
745	406+14.92	56.38 RT
746	405+86.39	34.84 RT

R/W STATION & OFFSET TABLE

332	405+87.00	45.12 LT
333	405+87.00	47.62 LT
350	405+92.83	56.35' LT
351	405+97.32	56.36' LT
352	405+99.37	61.14' LT
334	406+00.08	67.20 LT
335	406+01.75	72.65 LT
409	406+00.89	45.16 LT
414	406+00.25	72.70 LT
336	407+25.01	34.30 RT
337	407+25.01	37.79 RT
338	407+14.14	37.78 RT
339	407+05.26	48.36 RT
340	407+06.96	61.08 RT
341	406+95.53	62.42 RT
410	406+94.71	55.47 RT
411	407+12.31	33.99 RT
345	405+94.57	34.75 RT
346	406+19.34	53.45 RT

PI	Y	X
406+51.19	133517.58	448499.67
408+89.39	133753.69	448468.30



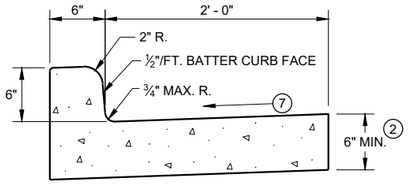
REVISION DATE: 10/7/2020 (2)	DATE: 08-10-2020	SCALE, FEET 0 50 100	HWY: VARIOUS INTERSECTIONS	STATE R/W PROJECT NUMBER: 1641-03-25	PLAT SHEET: 4.07
	GRID FACTOR: N/A		COUNTY: LACROSSE	CONSTRUCTION PROJECT NUMBER: 7575-07-70	PS&E SHEET: E

FILE NAME:S/5168021/DWG/52200404/PLAT/SPP title.DWG

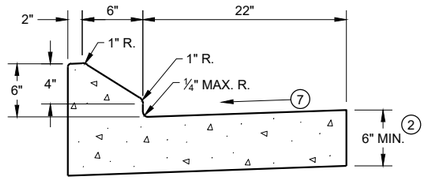
Standard Detail Drawing List

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
08E10-02	INLET PROTECTION TYPE A, B, C AND D
09B02-10	CONDUIT
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09C15-01	CONCRETE BASE TYPE 10 SPECIAL
09D02-03	SIGNAL CONTROL CABINET
09E01-15G	HARDWARE DETAILS FOR POLE MOUNTINGS
09E03-06	NON-FREEWAY LIGHTING UNIT POLE WIRING
09E05-06	TRAFFIC SIGNAL STANDARD ORNAMENTAL BRACKET MOUNTINGS TYPICAL FOR 13 FT. OR 15 FT.
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
09E08-09G	TYPE 10 SPECIAL POLE 40' MONOTUBE ARM
09E08-09H	TYPE 10 SPECIAL POLE 45' MONOTUBE ARM
09E08-09K	GENERAL NOTES,HARDWARE DETAILS FOR TYPE 9/10,9/10 SPECIAL,12 & 13 POLES W/MONOTUBE ARMS
09F15-04A	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)
09G01-04B	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04D	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04E	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04F	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04G	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09H09-02	COMMUNICATION VAULT TYPE 1
11B02-02	CONCRETE MEDIAN NOSE
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C13-09	URBAN DOWELED CONCRETE PAVEMENT
13C18-07A	CONCRETE PAVEMENT JOINTING
13C18-07B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-07C	CONCRETE PAVEMENT JOINT TYPES
13C18-07D	CONCRETE PAVEMENT JOINT TYPES AT UTILITY FIXTURES
13C18-07F	CONCRETE PAVEMENT INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER
15A04-06A	PERMANENT FLEXIBLE DELINEATOR POST
15C02-08A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C07-15B	PAVEMENT MARKING WORDS
15C07-15C	PAVEMENT MARKING ARROWS
15C08-20C	PAVEMENT MARKING (TURN LANES)
15C11-09B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C18-05B	MEDIAN ISLAND MARKING MEDIAN ISLAND NOSE
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D20-05A	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D20-05B	TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D20-05C	TRAFFIC CONTROL, SINGLE LEFT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D21-07A	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D21-07B	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D30-06A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-06B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-06C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

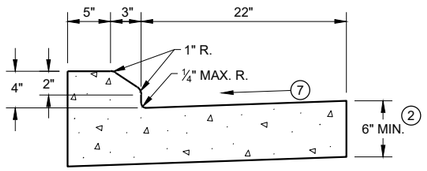
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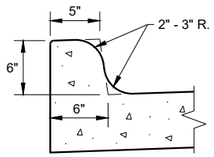
TYPES A (1) & D



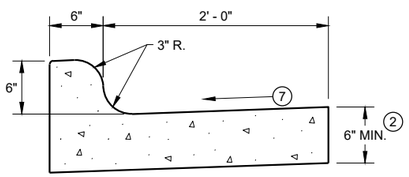
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

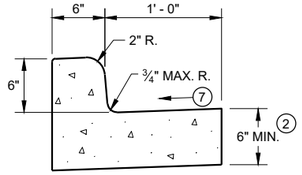


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



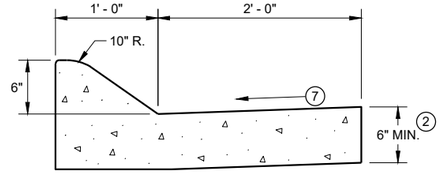
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"



TYPES A (1) & D

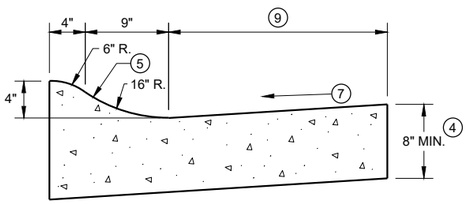
CONCRETE CURB AND GUTTER 18"



6" SLOPED CURB TYPES A (1) & D

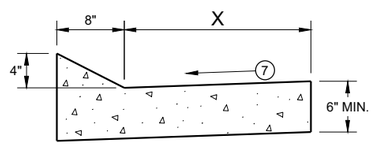
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

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

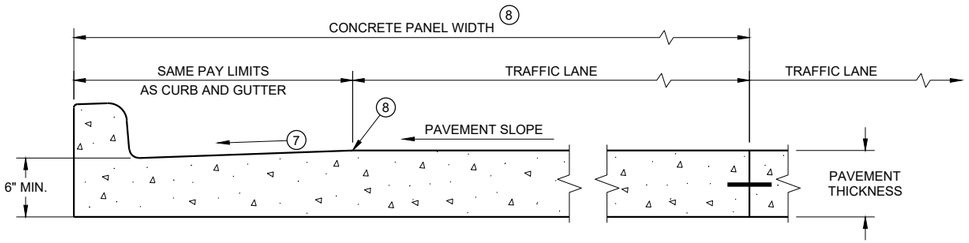


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

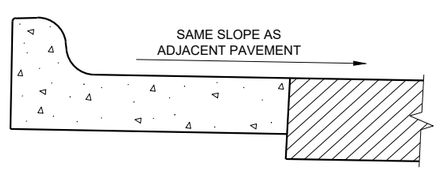
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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



PARTIAL SECTION OF PAVEMENT * WITH INTEGRAL CURB AND GUTTER

* BIKE LANE IS NOT SHOWN



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

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

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

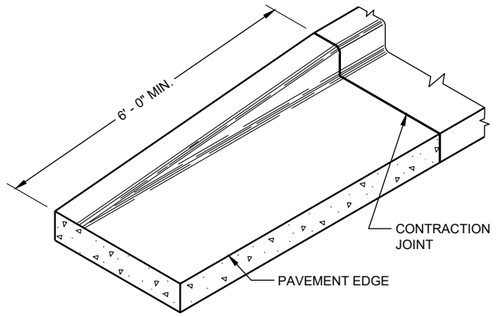
(9) CONCRETE CURB AND GUTTER 4-INCH SLOPED 30-INCH TYPE "R" AND "T" = 17 INCHES
CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE "R" AND "T" = 23 INCHES

CONCRETE CURB AND GUTTER

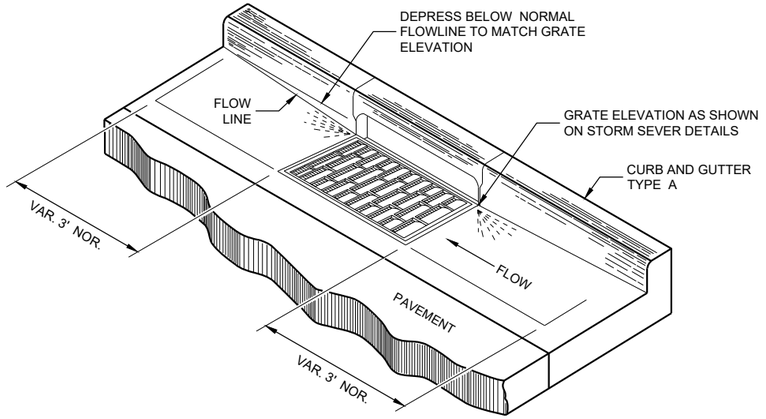
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D01 - 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.

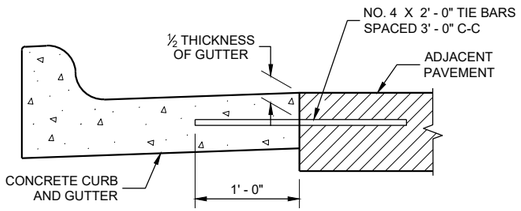
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

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

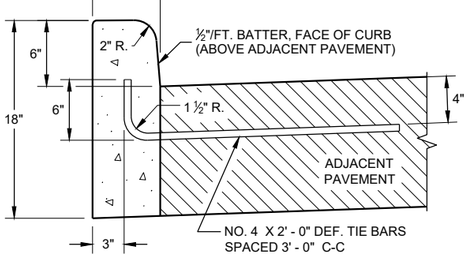
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(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.

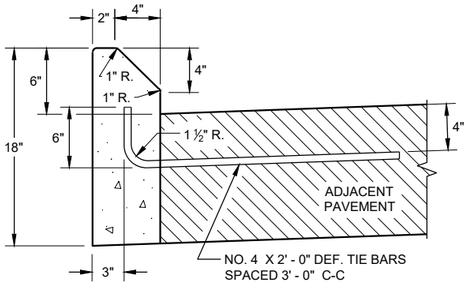
(9) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.



TYPICAL TIE BAR LOCATION (1)

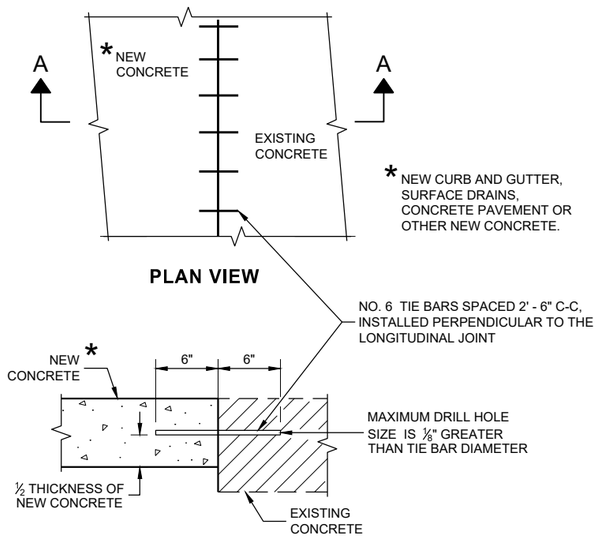


TYPES A (1) & D

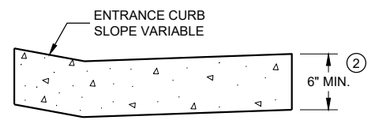


TYPES G (1) & J

CONCRETE CURB



TIE BARS DRILLED INTO EXISTING PAVEMENT



DRIVEWAY ENTRANCE CURB (9)

(WHEN DIRECTED BY THE ENGINEER)

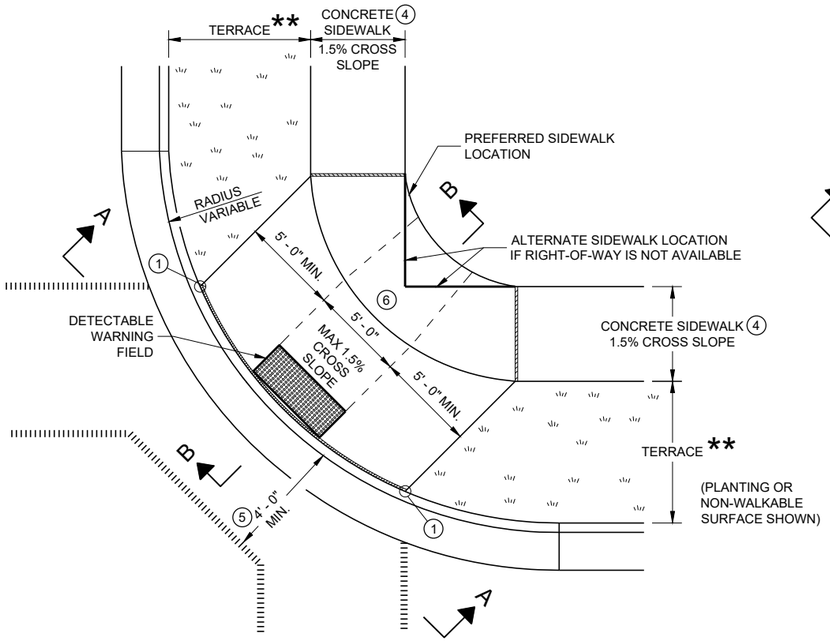
CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

6

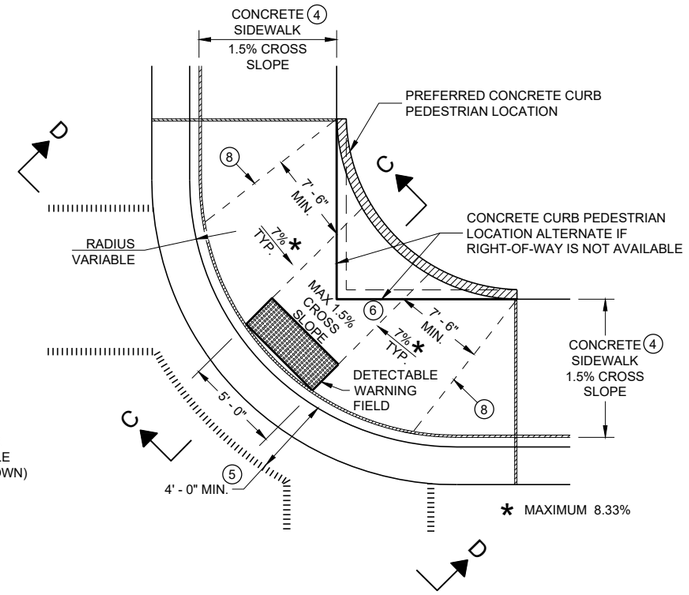
SDD08D01 - 22b



PLAN VIEW

CURB RAMP TYPE 1

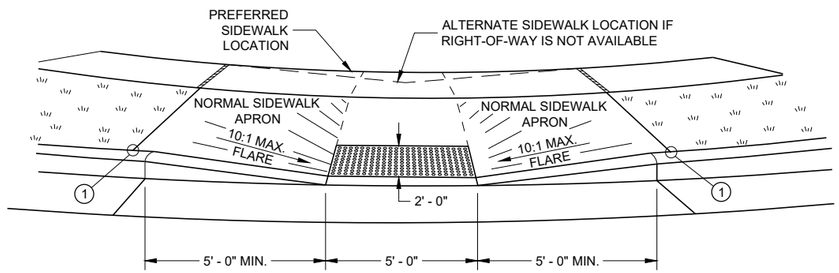
(CENTER OF CORNER RADIUS)



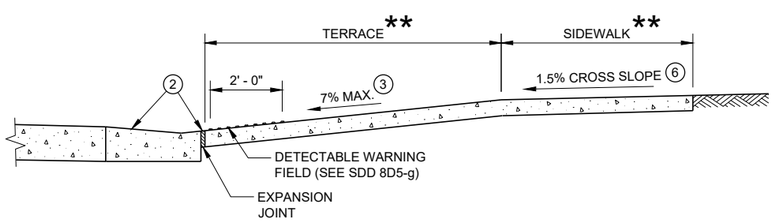
PLAN VIEW

CURB RAMP TYPE 1 - A

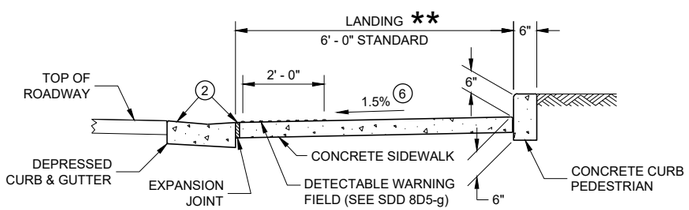
(NO TERRACE)



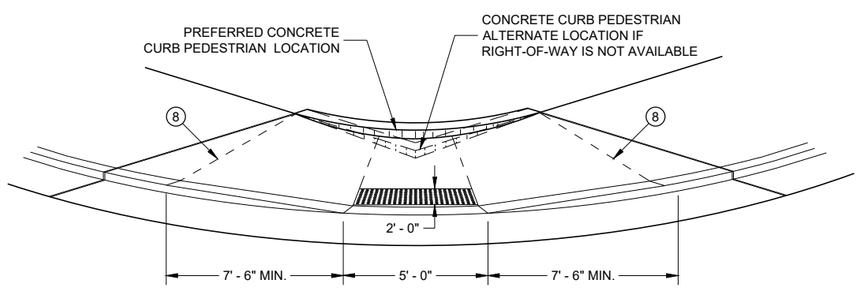
VIEW A - A FOR TYPE 1



SECTION B - B FOR TYPE 1



SECTION C - C FOR TYPE 1 - A



VIEW D - D FOR TYPE 1 - A

** WIDTH SHOWN ELSEWHERE IN THE PLANS

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.

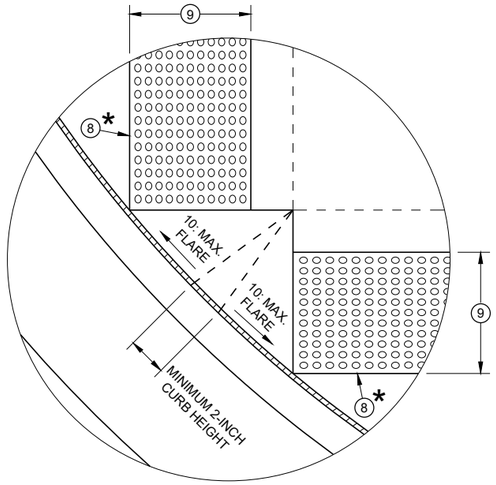
LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

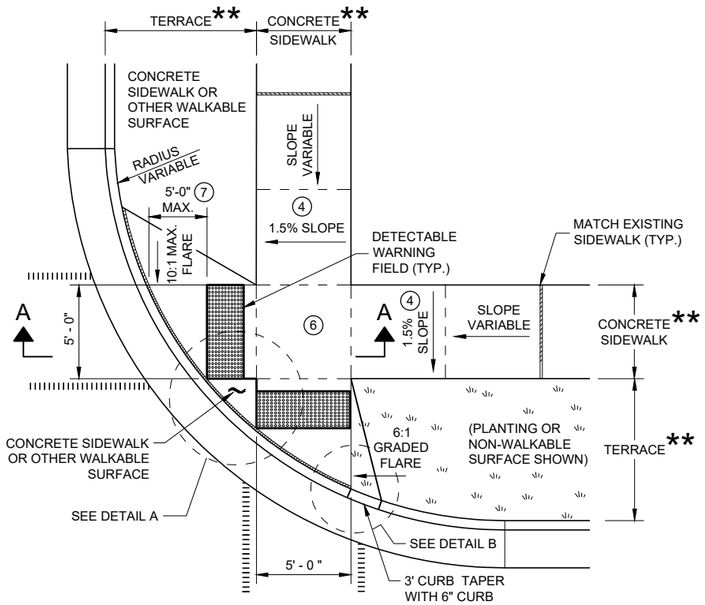
CURB RAMPS
TYPE 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 08D05 - 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.

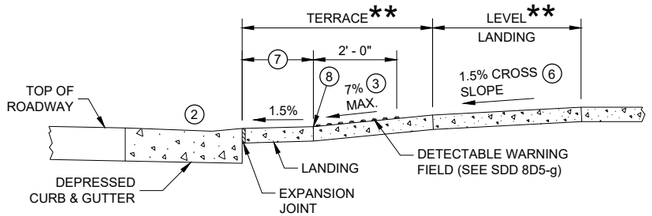
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(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.

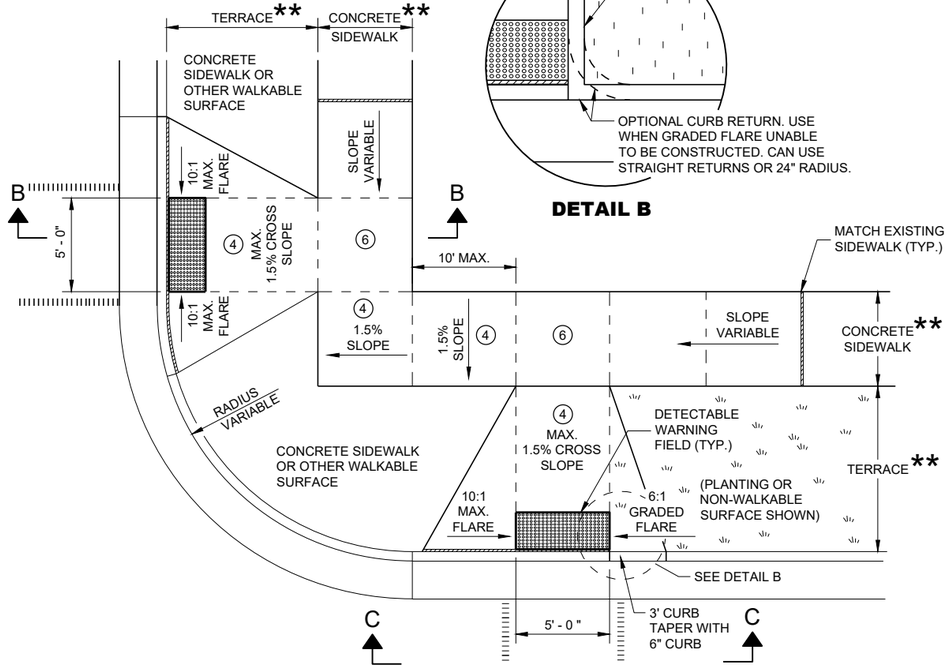
(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.



SECTION A - A FOR TYPE 2

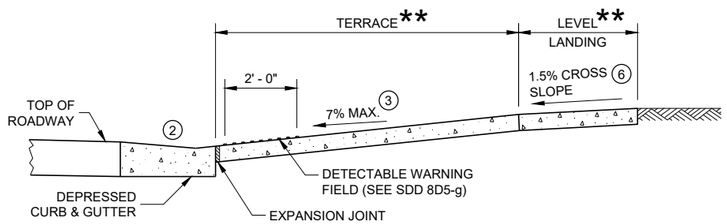
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS



DETAIL B

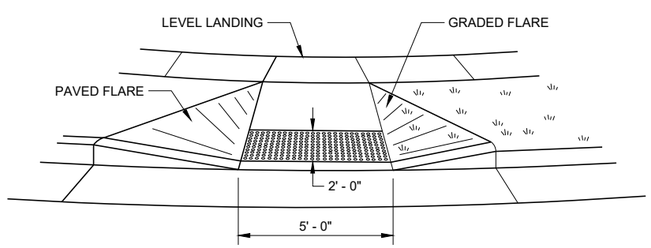
PLAN VIEW
CURB RAMP TYPE 3
(OUTSIDE OF CROSSWALK AREA)



SECTION B - B FOR TYPE 3

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)



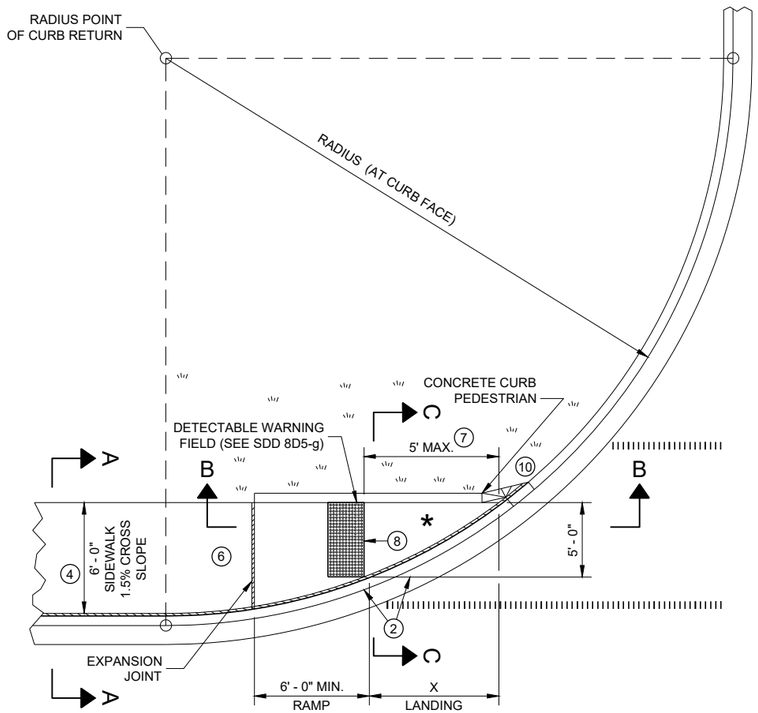
VIEW C - C FOR TYPE 3

CURB RAMPS TYPE 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 08D05 - 20b

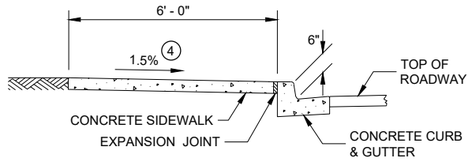


PLAN VIEW

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.

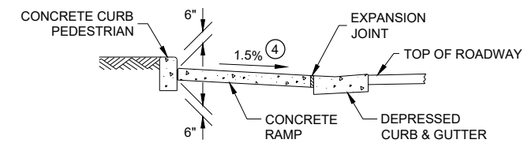
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

LEGEND

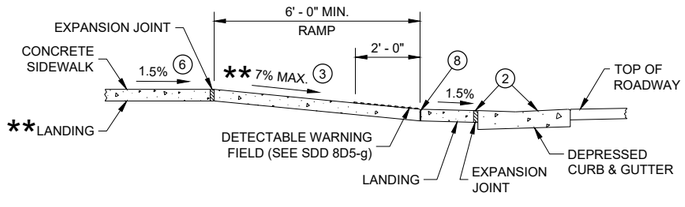
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)



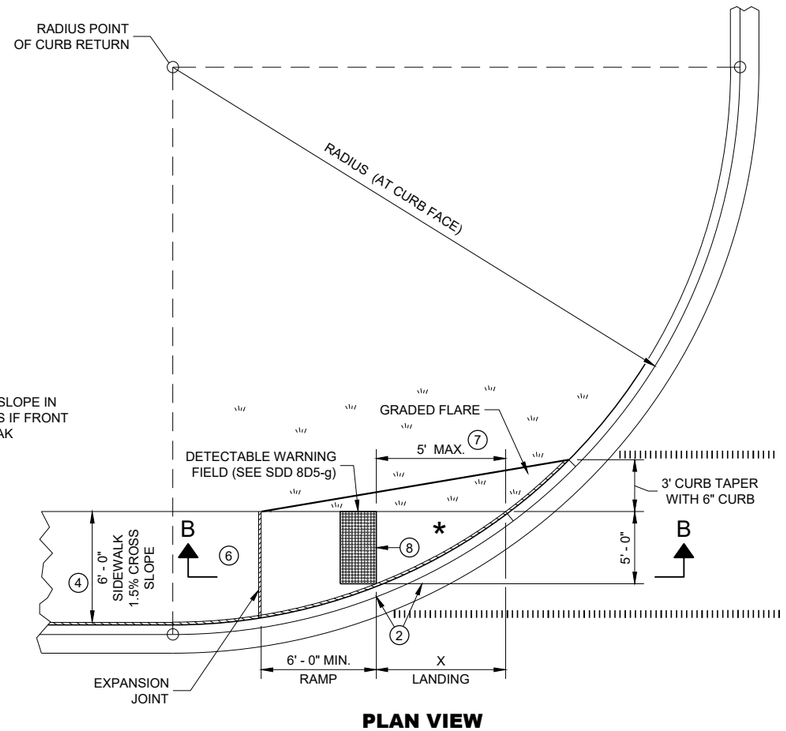
SECTION C - C FOR TYPE 4A



SECTION B - B FOR TYPE 4A AND TYPE 4A1

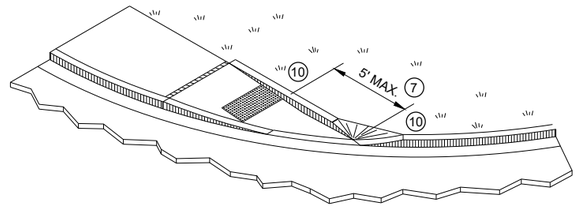
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

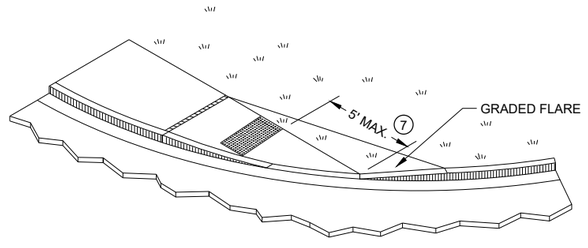


PLAN VIEW

CURB RAMP TYPE 4A1



ISOMETRIC VIEW FOR TYPE 4A



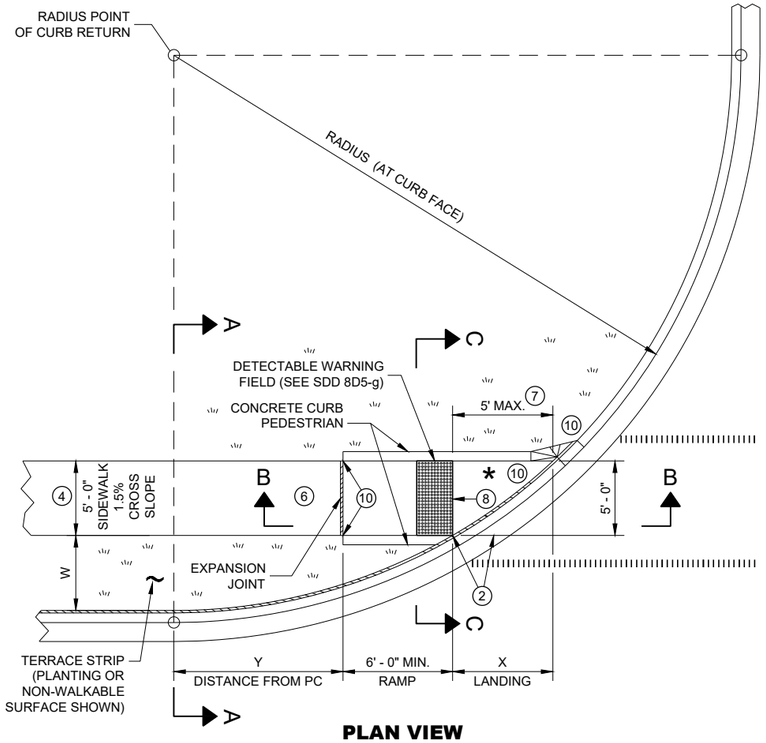
ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 08D05 - 20c

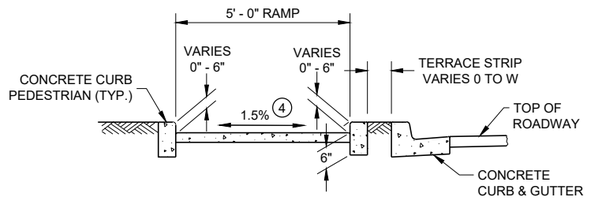


PLAN VIEW

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



SECTION C - C FOR TYPE 4B

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.

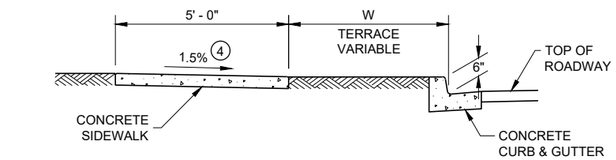
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

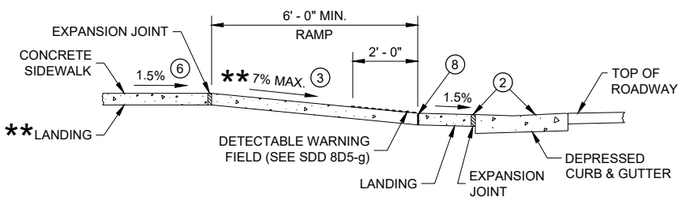
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



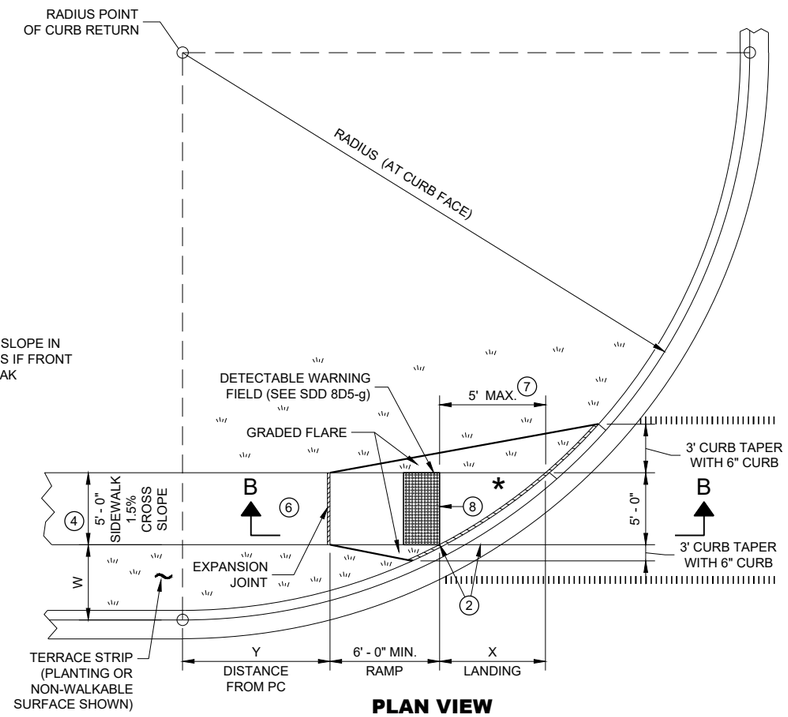
SECTION A - A FOR TYPE 4B



** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

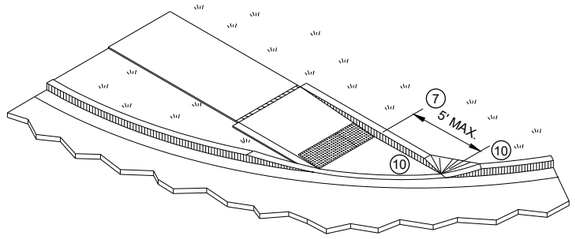
SECTION B - B FOR TYPE 4B AND TYPE 4B1

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

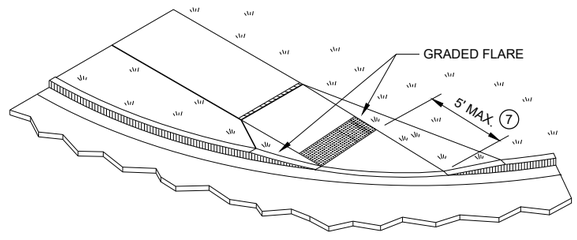


PLAN VIEW

CURB RAMP TYPE 4B1



ISOMETRIC VIEW FOR TYPE 4B



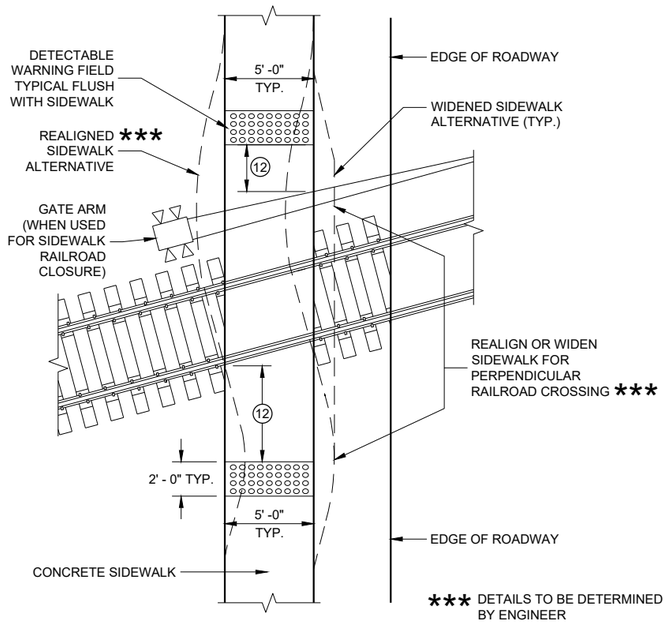
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

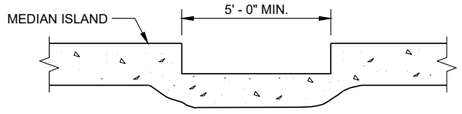
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SDD 08D05 - 20d

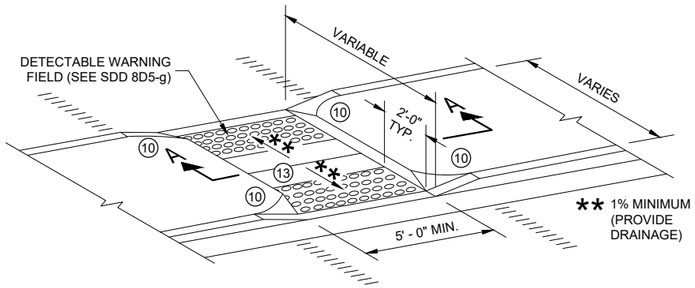


CURB RAMP TYPE 8

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 ½ - 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.

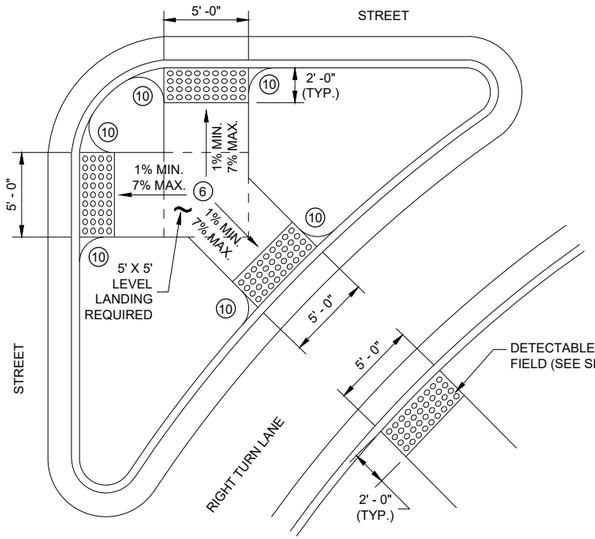
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(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

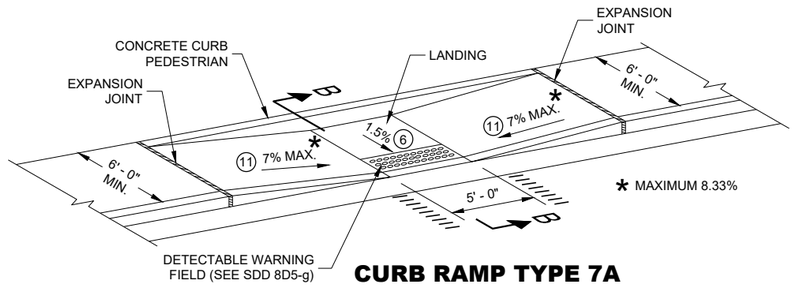
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



CURB RAMP TYPE 6

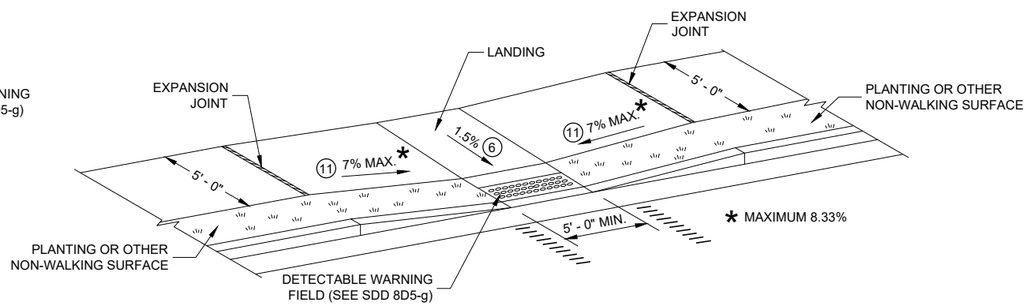
DETECTABLE WARNING AT ISLANDS

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS



CURB RAMP TYPE 7A

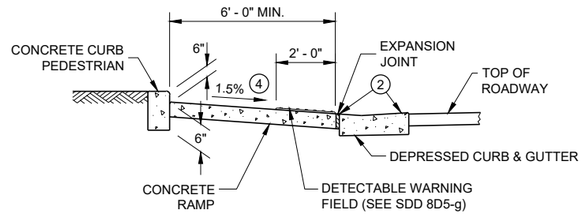
MID BLOCK CROSSING



CURB RAMP TYPE 7B

MID BLOCK CROSSING

NOTE: THESE PARALLEL AND PARALLEL/PERPENDICULAR CURB RAMPS MAY BE USED AT INTERSECTIONS AND MID BLOCK LOCATIONS.

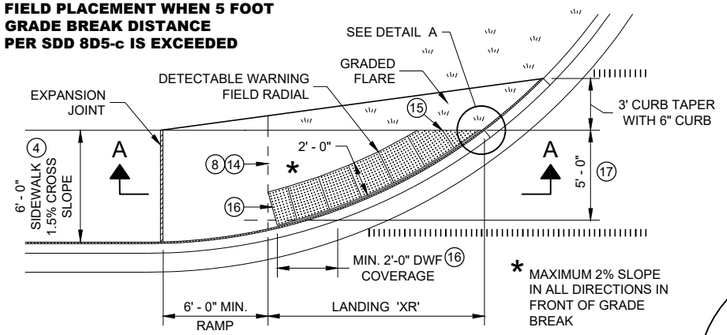


SECTION B - B FOR TYPE 7A

CURB RAMPS TYPE 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

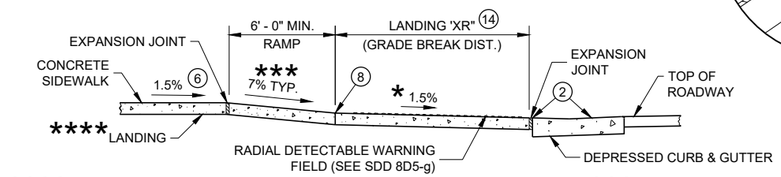
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



PLAN VIEW

CURB RAMP TYPE 4A1

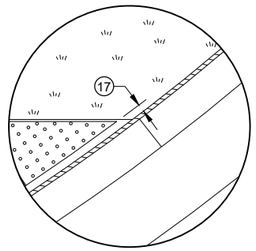
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION A - A FOR TYPE 4A1



DETAIL A

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.

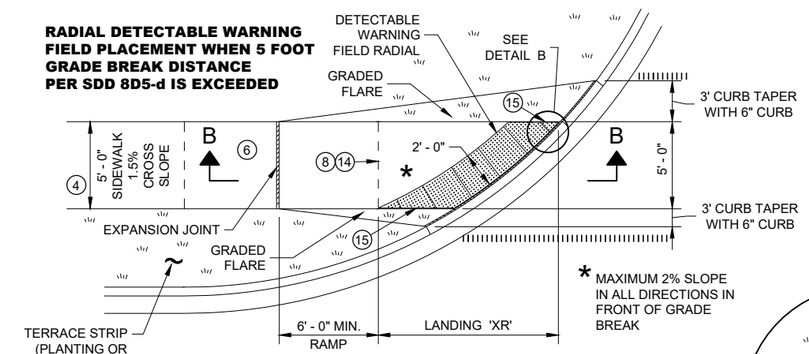
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(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.

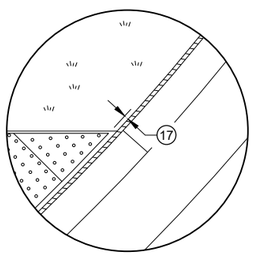
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED



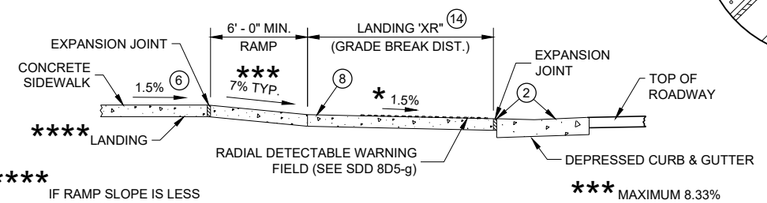
PLAN VIEW

CURB RAMP TYPE 4B1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL B

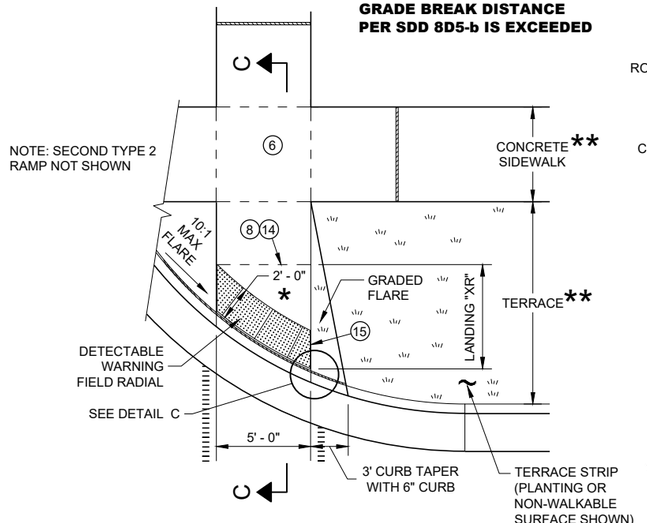


**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION B - B FOR TYPE 4B1

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-b IS EXCEEDED

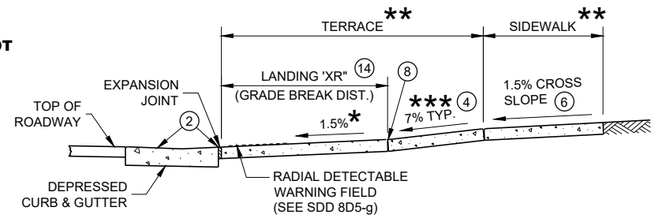


PLAN VIEW

CURB RAMP TYPE 2

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

(ON LINE WITH SIDEWALK)

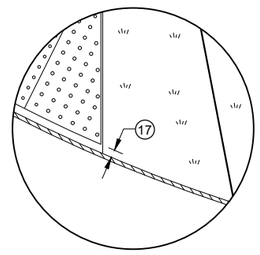


SECTION C - C FOR TYPE 2

* 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

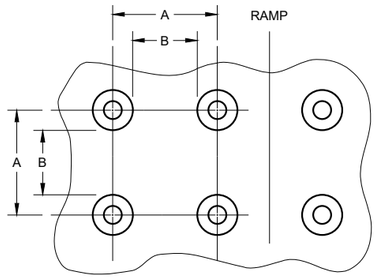
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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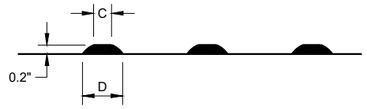
SDD 08D05 - 20f

	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.

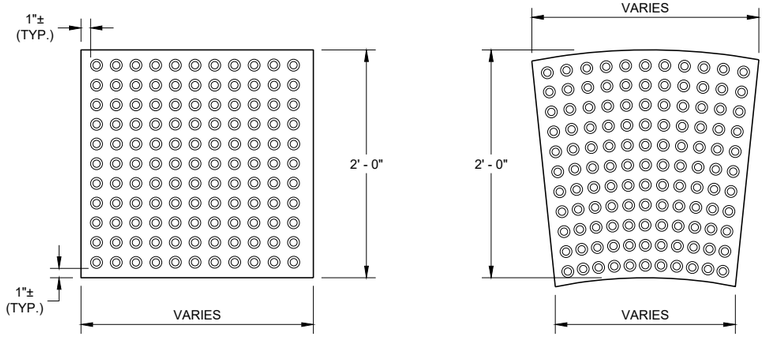


PLAN VIEW



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.

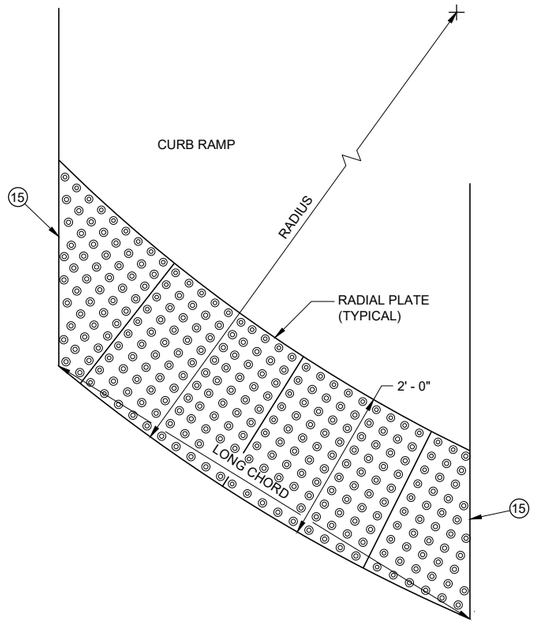
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

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.

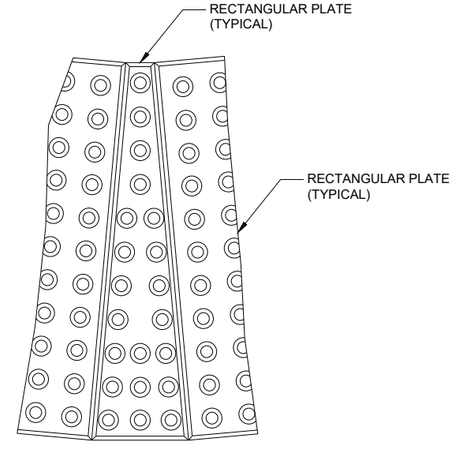
REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

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

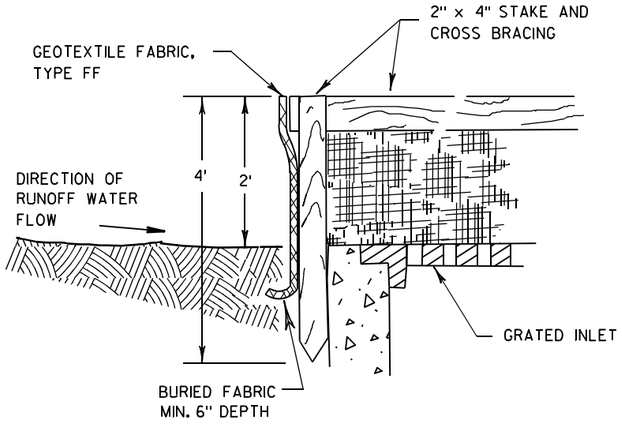
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

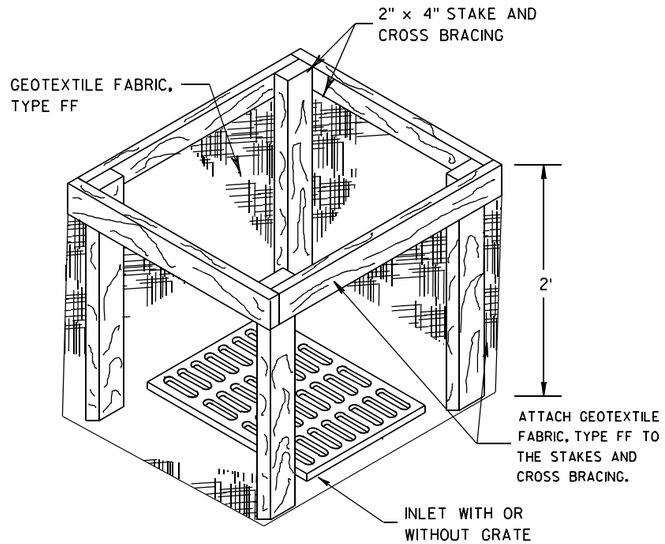
APPROVED
May 2019 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE UNIT SUPERVISOR

FHWA

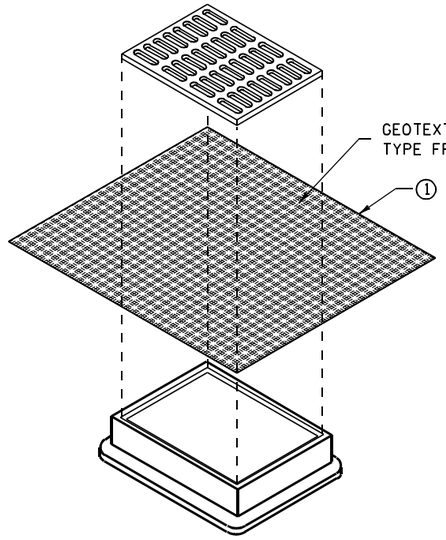
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SDD 08D05 - 20g



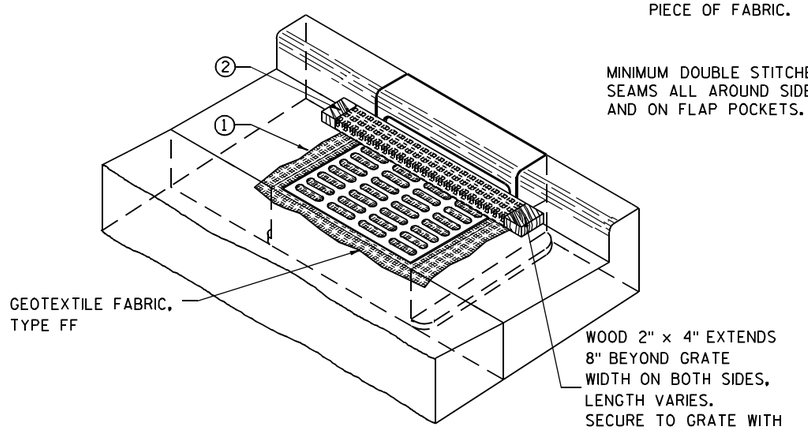


INLET PROTECTION, TYPE A

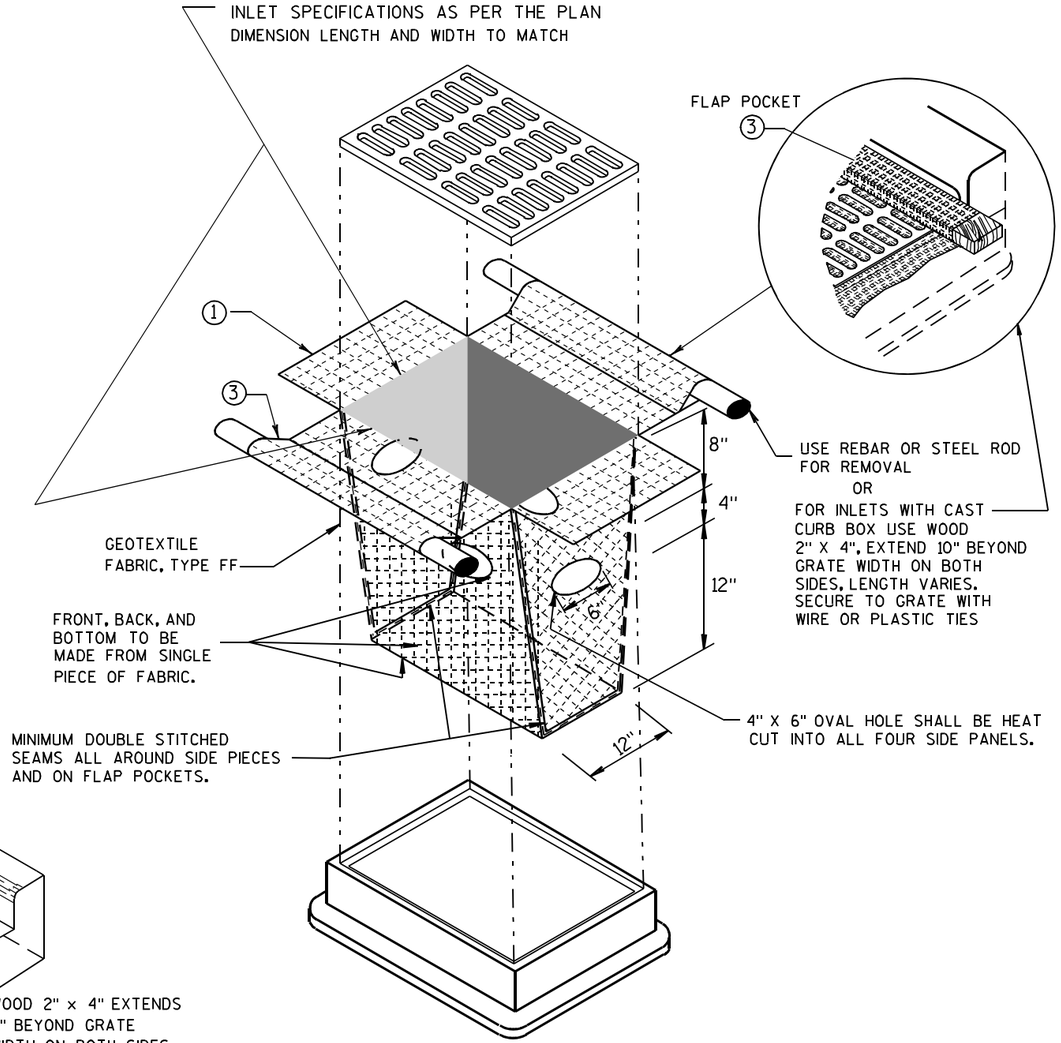


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

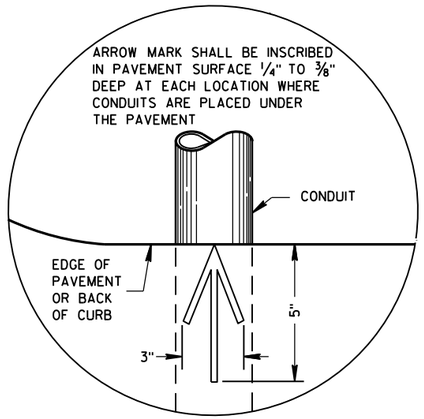
APPROVED

10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

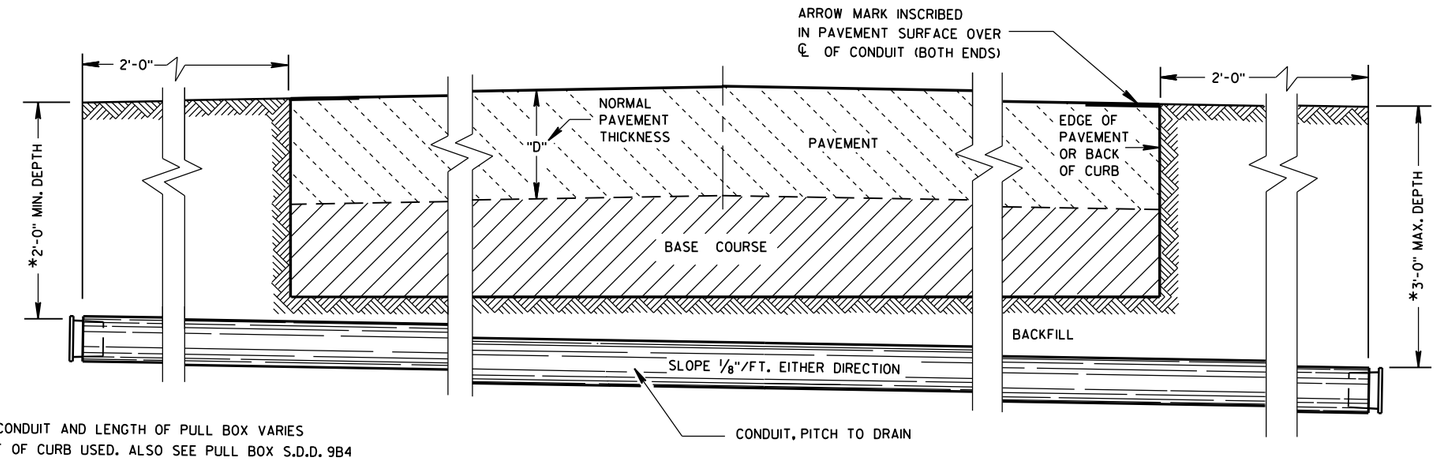
FHWA

6
S.D.D. 8 E 10-2



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

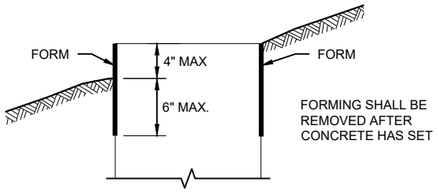
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

S.D.D. 9 B 2-10

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.

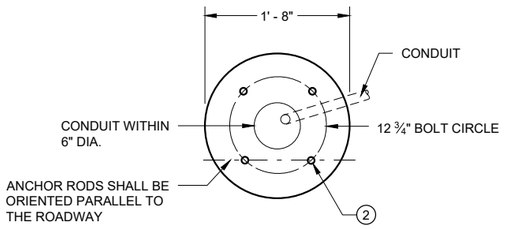
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

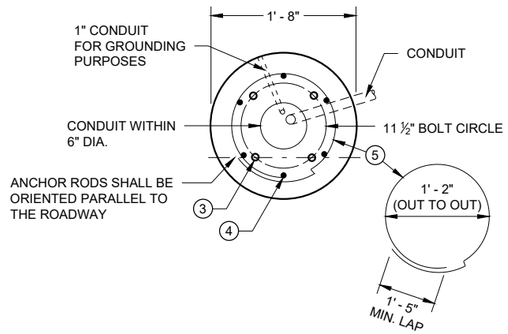
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

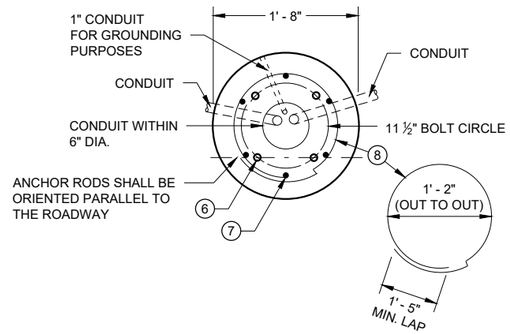
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

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

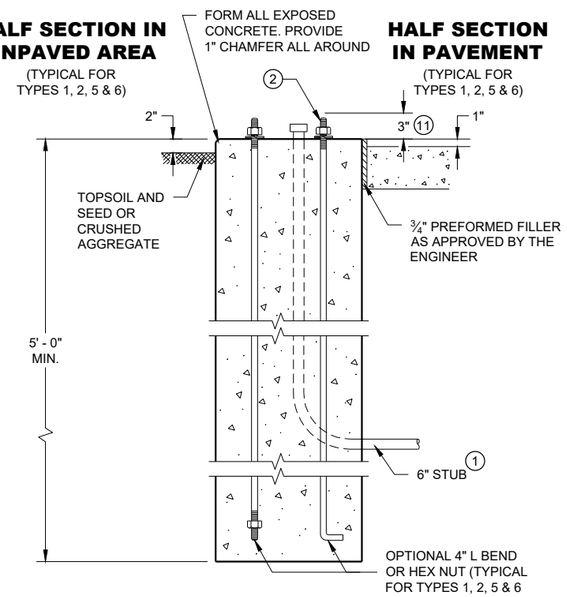
10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

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.

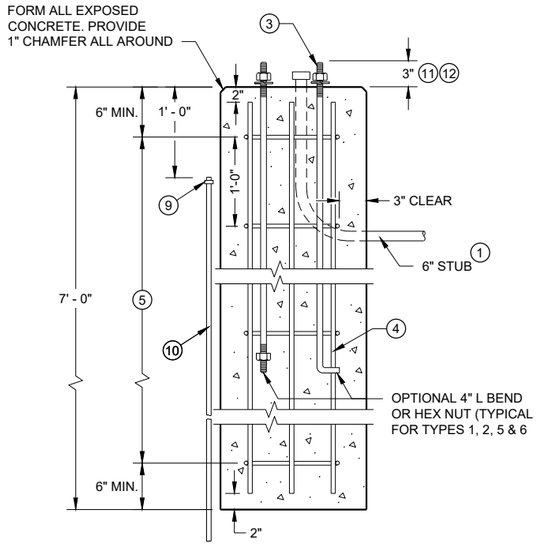
12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

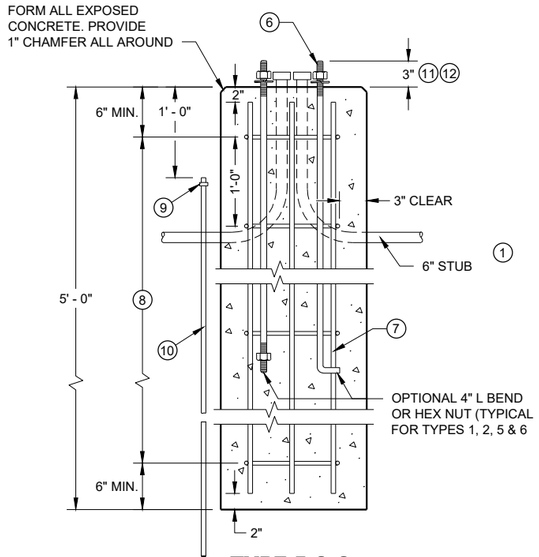
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



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 65

FHWA

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.

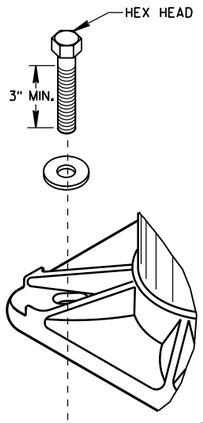
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

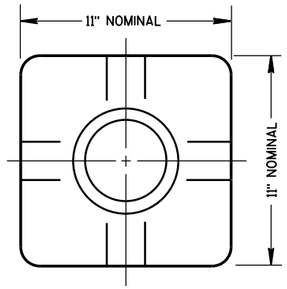
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

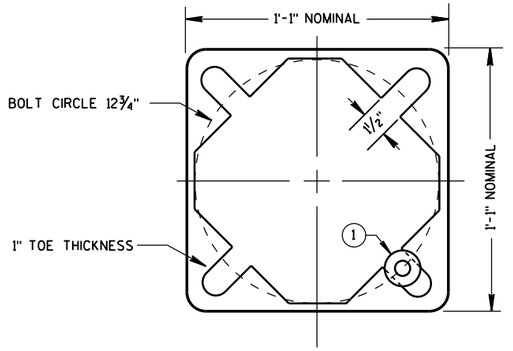
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

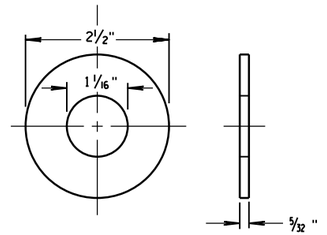




TOP VIEW
(PEDESTAL BASE)

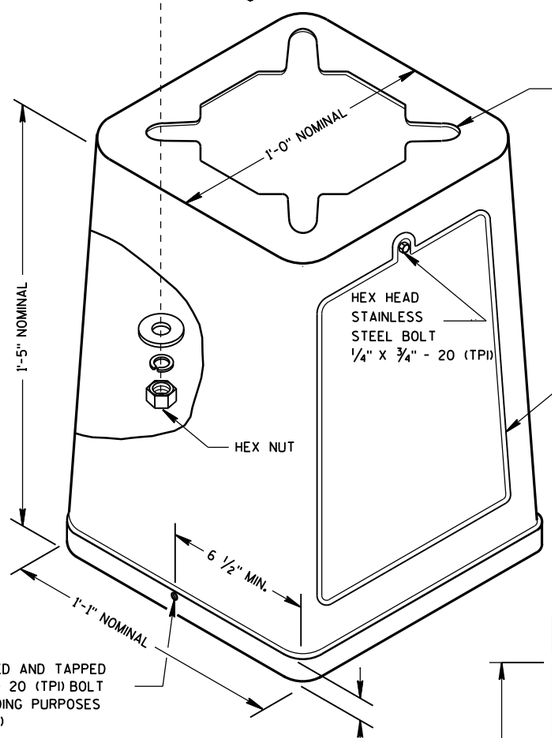


BOTTOM VIEW
(PEDESTAL BASE)

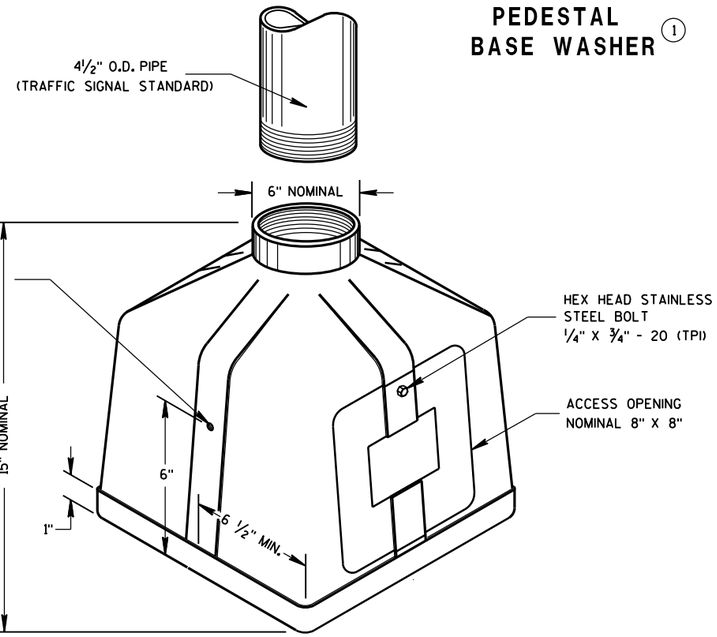


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)

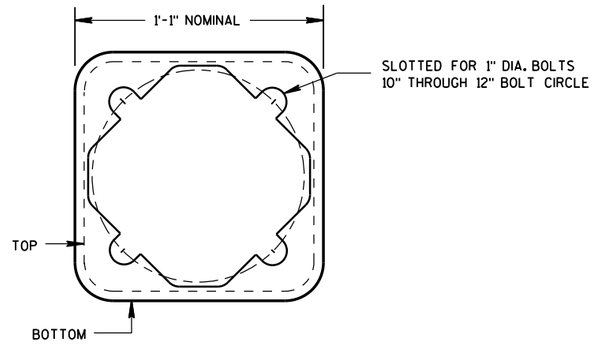


ISOMETRIC VIEW

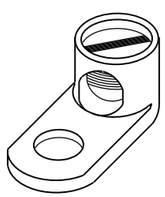


ISOMETRIC VIEW

PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

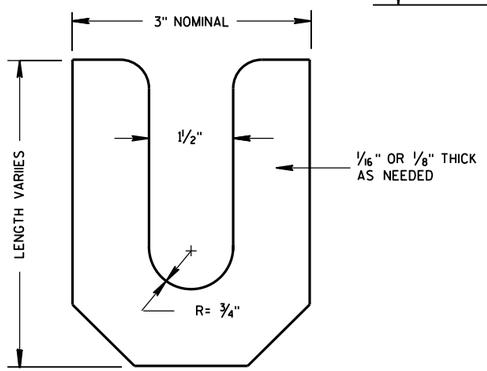


TYPICAL MECHANICAL CONNECTOR LUG

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

GENERAL NOTES

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

THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

BASES (SHAFT) SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING. A STEEL CASING OR CORRUGATED METAL PIPE IS ALLOWED TO REMAIN. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BASE IN LAYERS OF ONE FOOT OR LESS.

TOP SURFACE OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

ANY DAMAGE TO THE CONCRETE BASE AND ANCHOR RODS DURING CONSTRUCTION OPERATIONS SHALL BE REPAIRED AT THE ENGINEER'S DIRECTION, AT THE EXPENSE OF THE CONTRACTOR.

THE REINFORCEMENT AND ANCHOR RODS SHALL BE ADEQUATELY SUPPORTED IN THE PROPER POSITIONS SO NO MOVEMENT OCCURS DURING CONCRETE PLACEMENT.

ORIENT ANCHOR RODS IN FOOTING AND PROVIDE ANCHOR RODS STICK OUT ABOVE TOP OF CONCRETE FOOTING BASE PER THIS SHEET.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

WELDING OF ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

USE 3" CLEAR FOR ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

FORM ALL EXPOSED CONCRETE CORNERS WITH 1" CHAMFER ALL AROUND. TOP OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 TIMES THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 4 ½" INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NON-METALLIC CONDUIT SHALL HAVE BELL ENDS INSTALLED. ALL CONDUIT SHALL SLOPE TO PULL BOX.

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 OF CABLE OR WIRE.

WHEN REQUIRED TO CONNECT NON-METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

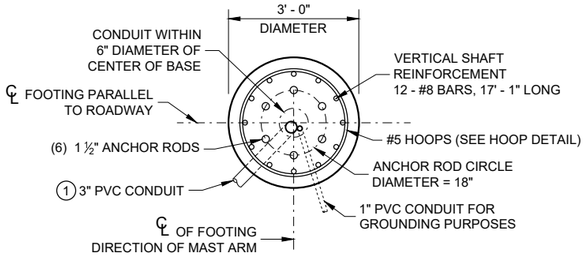
A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO 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.

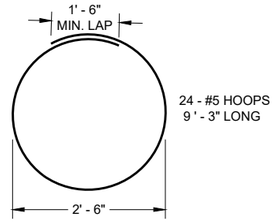
THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN A THE ENTRANCE OF THE BASE.

(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 OF THE ENGINEER.

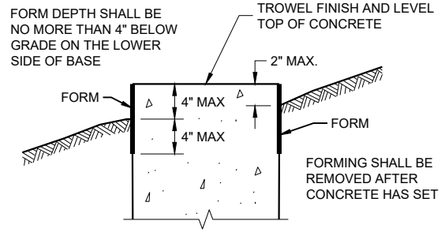
CONCRETE MASONRY.....fc = 3,500 p.s.i
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60.....fy = 60,000 p.s.i.
ANCHOR RODS, ASTM F1554 GRADE 55 (IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATION).....fy = 55,000 p.s.i.
TEMPLATES, ASTM A709, GRADE 36.....fy = 36,000 p.s.i.



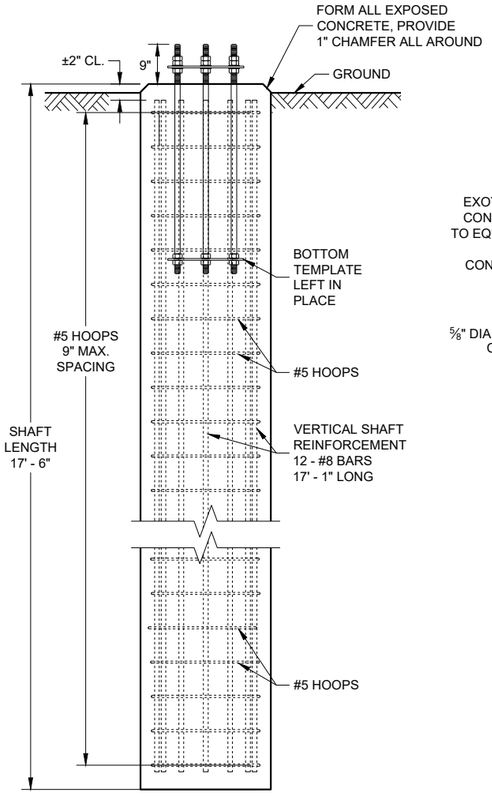
PLAN VIEW



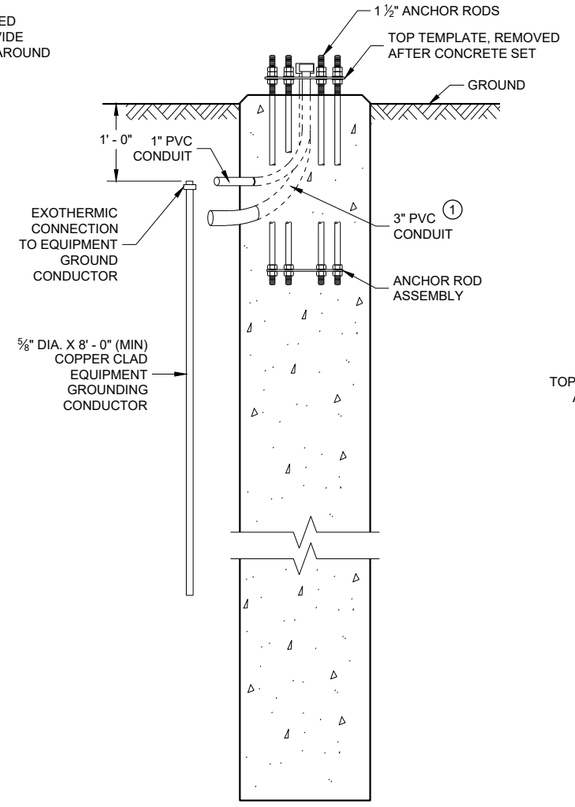
HOOP DETAIL



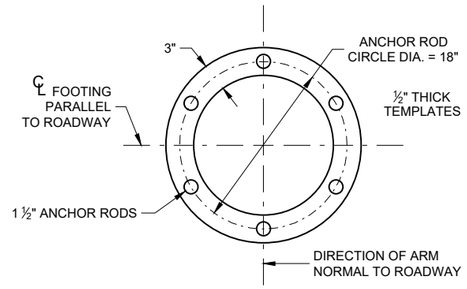
FORMING DETAIL



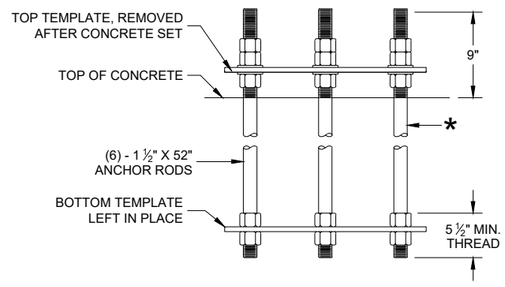
ELEVATION VIEW
(CONDUITS NOT SHOWN ON THIS VIEW FOR CLARITY)



SIDE VIEW
(HOOPS AND VERTICAL SHAFT REINFORCEMENT NOT SHOWN ON THIS VIEW FOR CLARITY)



TOP AND BOTTOM TEMPLATE



ANCHOR ROD ASSEMBLY DETAILS

* THREAD TOP 10" OF ANCHOR ROD FOR 3 NUTS AND 2 WASHERS AND BOTTOM 5 ½" FOR 2 NUTS PER ANCHOR ROD. HOT DIP GALVANIZE THE ENTIRE LENGTH OF THE ANCHOR ROD (ASTM A123) AND HOT DIP NUTS AND WASHERS (ASTM A153. USE ZINC COATED NUTS MANUFACTURED WITH SUFFICIENT ALLOWANCE TO ALLOW NUTS TO RUN FREELY ON THE THREADS.

CONCRETE BASE, TYPE 10 SPECIAL
(FOR TYPE 9 SPECIAL AND TYPE 10 SPECIAL POLES)

CONCRETE = 4.6 CUBIC YARD
H.S. REINFORCEMENT = 779 LBS.

FOR USE WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION.

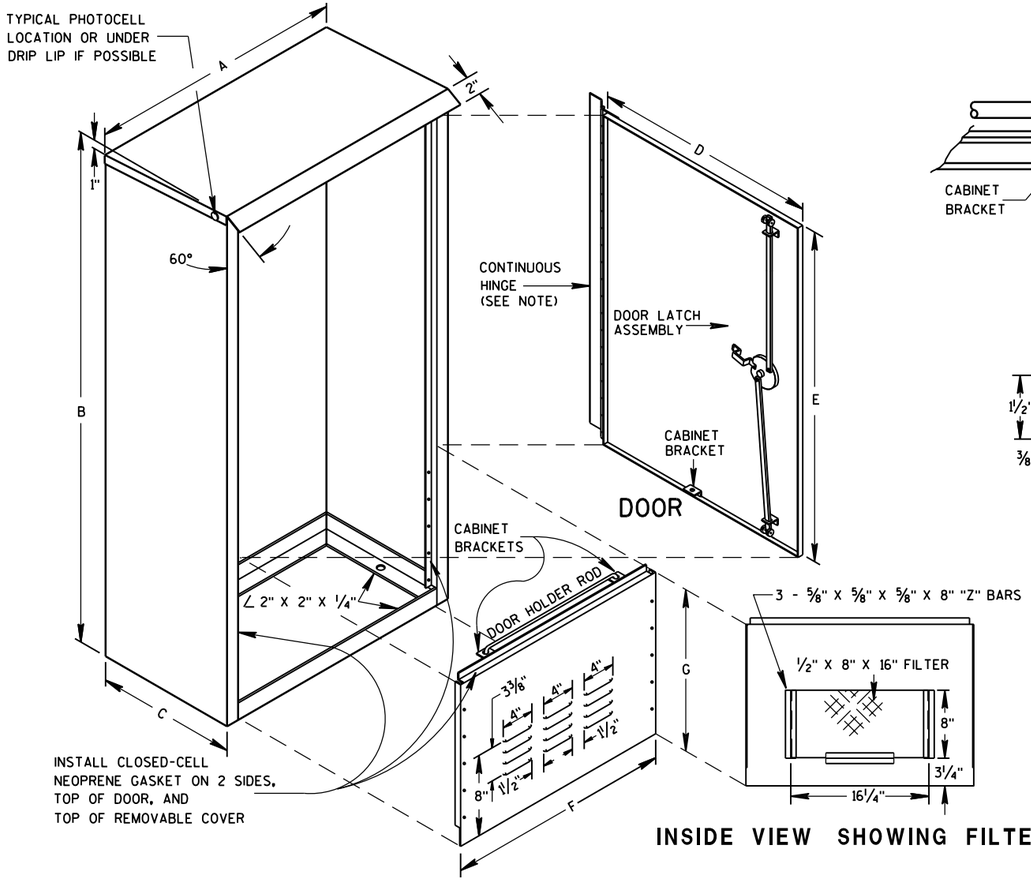
CONCRETE BASE TYPE 10 SPECIAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020 — DATE
/S/ Alex Crabtree — WIND LOADED STRUCTU PROGRAM LEADER
FHWA

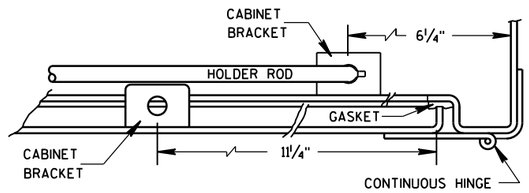
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SDD 09C15 - 01

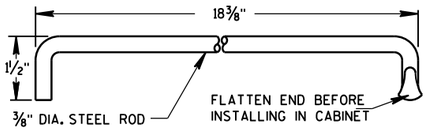


REMOVABLE COVER

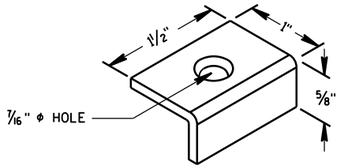
INSIDE VIEW SHOWING FILTER



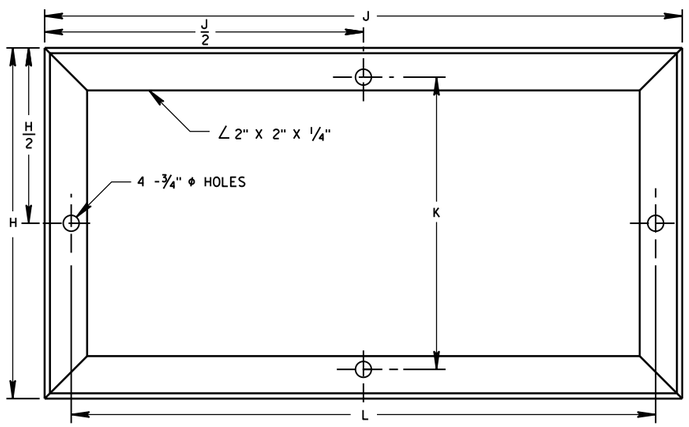
HINGE & DOOR HOLDER



HOLDER ROD



CABINET BRACKET



MOUNTING BASE

TABLE OF DIMENSIONS (INCHES)

MARK	CABINET TYPE		
	3060	3860	3866
A	30	38	38
B	60	60	66
C	16 1/2	16 1/2	24
D	26 1/2	34 3/4	33 3/4
E	38 3/4	38 3/4	38 3/4
F	26 1/2	34 3/4	33 3/4
G	19	19	25
H	16 1/2	16 1/2	24
H/2	8 1/4	8 1/4	12
J	30	38	38
J/2	15	19	19
K	13 3/4	13 3/4	21 1/4
L	27 1/2	35 1/2	35 1/2

GENERAL NOTES

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

PRIME WITH PHOSPHATE TREATMENT AND PRIMER.

FINISH EXTERIOR SURFACES WITH RUSTOLEUM #906 SILVER GRAY OR APPROVED EQUAL.

FINISH INTERIOR WITH RUSTOLEUM #2766 HIGH GLOSS WHITE ENAMEL OR APPROVED EQUAL.

ALL SHEET METAL PARTS SHALL BE .125 INCH THICK ALUMINUM.

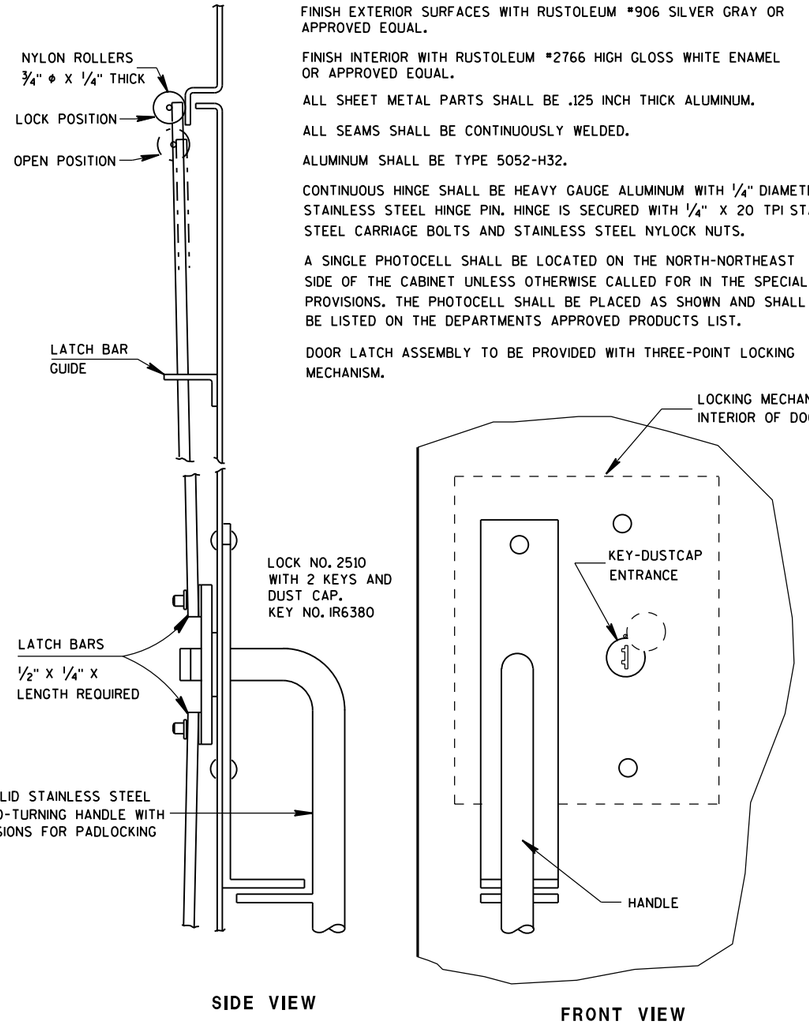
ALL SEAMS SHALL BE CONTINUOUSLY WELDED.

ALUMINUM SHALL BE TYPE 5052-H32.

CONTINUOUS HINGE SHALL BE HEAVY GAUGE ALUMINUM WITH 1/4" DIAMETER STAINLESS STEEL HINGE PIN. HINGE IS SECURED WITH 1/4" X 20 TPI STAINLESS STEEL CARRIAGE BOLTS AND STAINLESS STEEL NYLOCK NUTS.

A SINGLE PHOTOCELL SHALL BE LOCATED ON THE NORTH-NORTHEAST SIDE OF THE CABINET UNLESS OTHERWISE CALLED FOR IN THE SPECIAL PROVISIONS. THE PHOTOCELL SHALL BE PLACED AS SHOWN AND SHALL BE LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST.

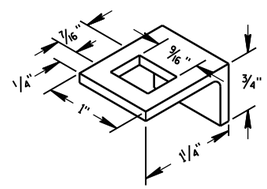
DOOR LATCH ASSEMBLY TO BE PROVIDED WITH THREE-POINT LOCKING MECHANISM.



SIDE VIEW

FRONT VIEW

LATCH ASSEMBLY



LATCH BAR GUIDE

SIGNAL CONTROL CABINET

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

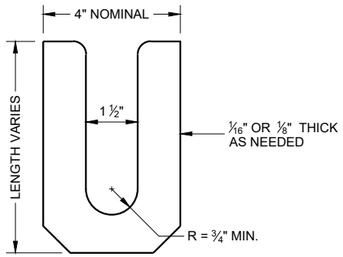
APPROVED
Sept. 2014
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL 68
FHWA

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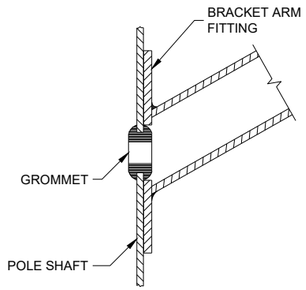
S.D.D. 9 D 2-3

6

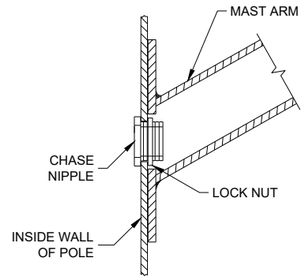
S.D.D. 9 D 2-3



LEVELING SHIM (1)
SHALL BE ALUMINUM



TYPICAL APPLICATION OF GROMMET IN POLE SHAFT



TYPICAL APPLICATION OF CHASE NIPPLE IN POLE SHAFT

GENERAL NOTES

CLAMP BOLT-NUT TIGHTENING TORQUE SHALL BE INDICATED BY INDENT STAMPING (1/2 INCH NUMERALS AND LETTERS) OR WEATHERPROOF PRINTING ON THE INSIDE OF THE CLAMP THAT IS WELDED TO THE ARM MEMBER.

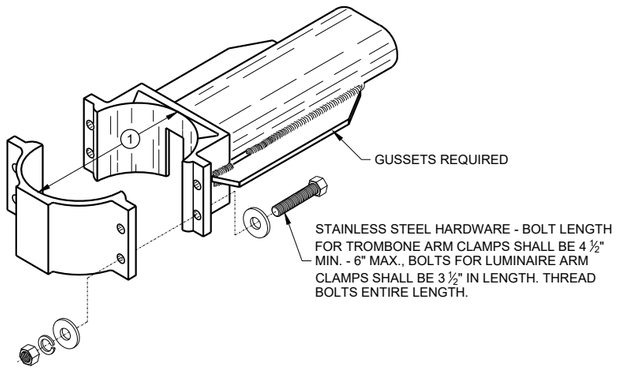
(1) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP. 6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(2) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

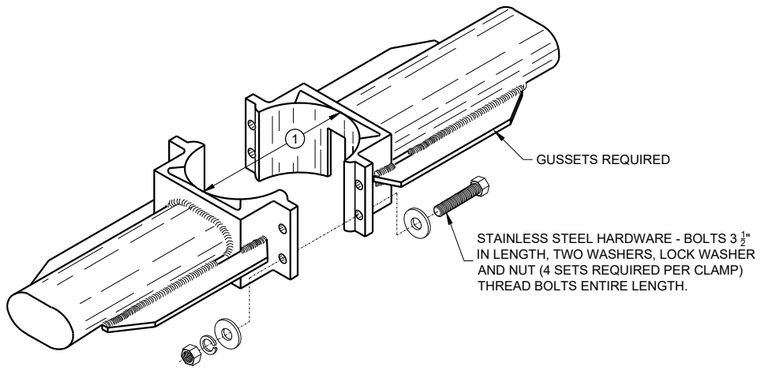
(3) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(4) LEVELING SHIMS, DESIGNED FOR THE PURPOSE, SHALL BE USED WHEN PLUMBING POLES. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE. LEVELING SHIMS SHALL BE USED ONLY BETWEEN THE TOP OF THE CONCRETE BASE AND A METALLIC BASE PLATE.

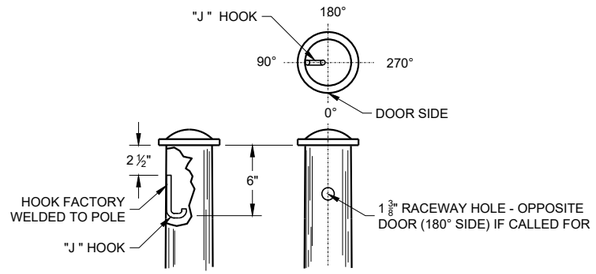
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



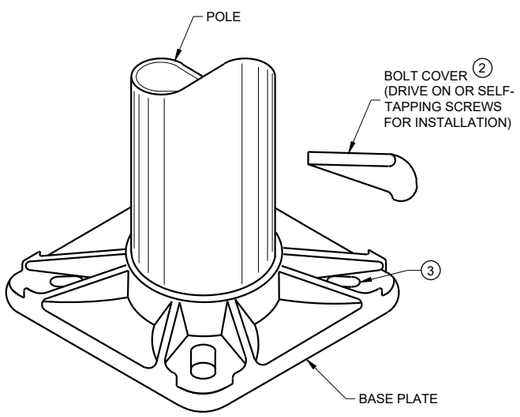
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



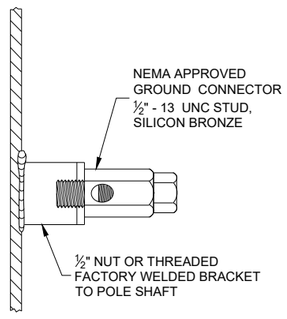
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

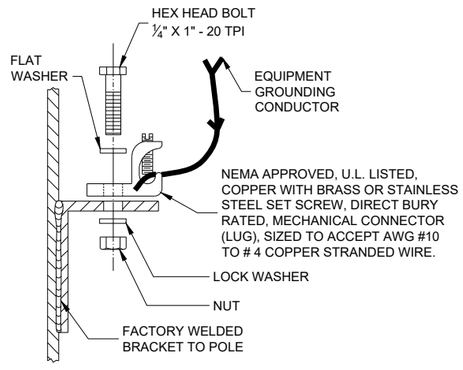


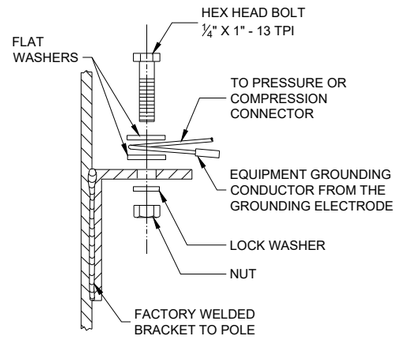
TYPICAL "J" HOOK LOCATION



BASE PLATE







TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

HARDWARE DETAILS FOR POLE MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

FHWA

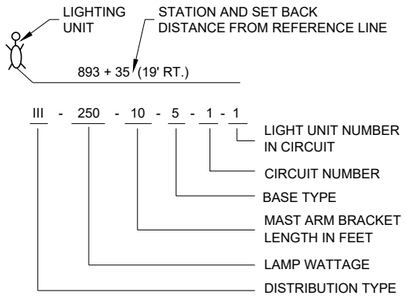
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SDD 09A01 - 15g

GENERAL NOTES

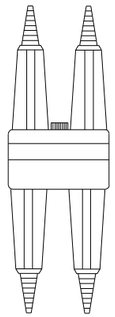
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EQUIPMENT GROUND CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

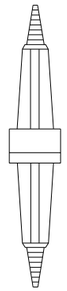
WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.



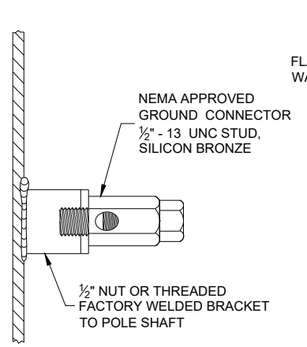
LIGHTING UNIT CODE
(TYPICAL)



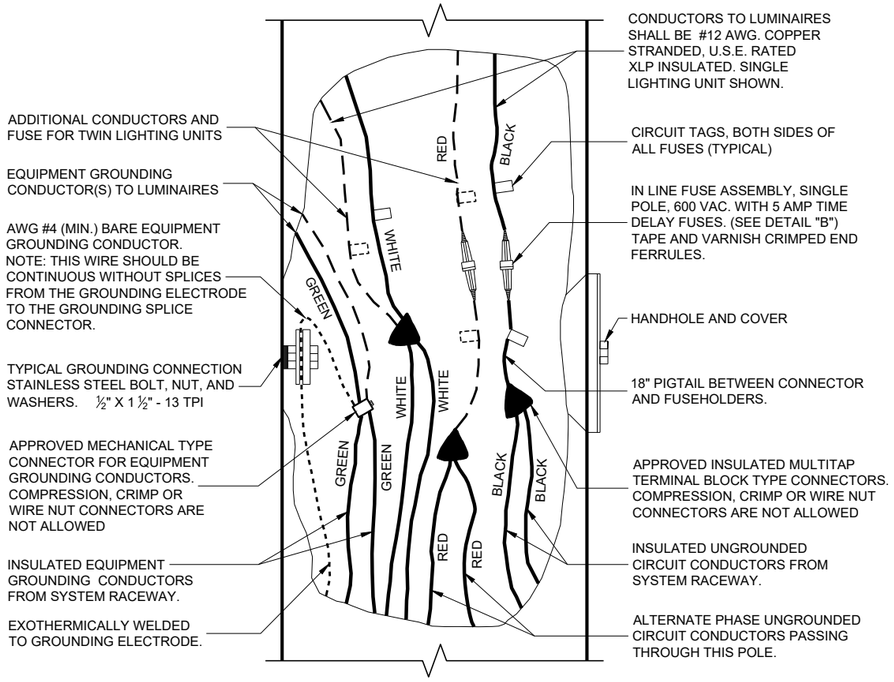
DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT



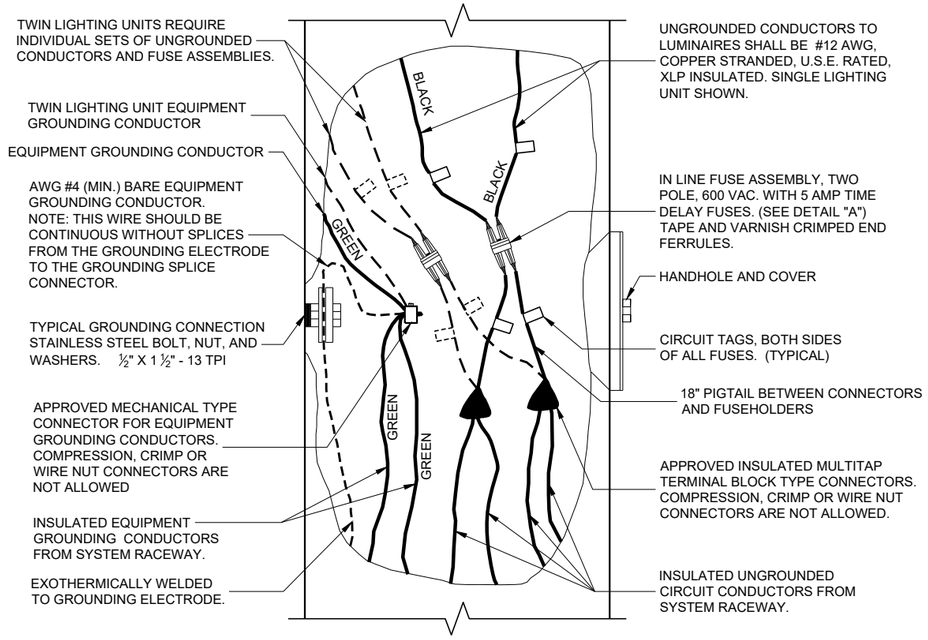
DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT



TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



3 WIRE - 120, 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH GROUNDING CONDUCTOR AND EQUIPMENT GROUNDING CONDUCTOR



2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR

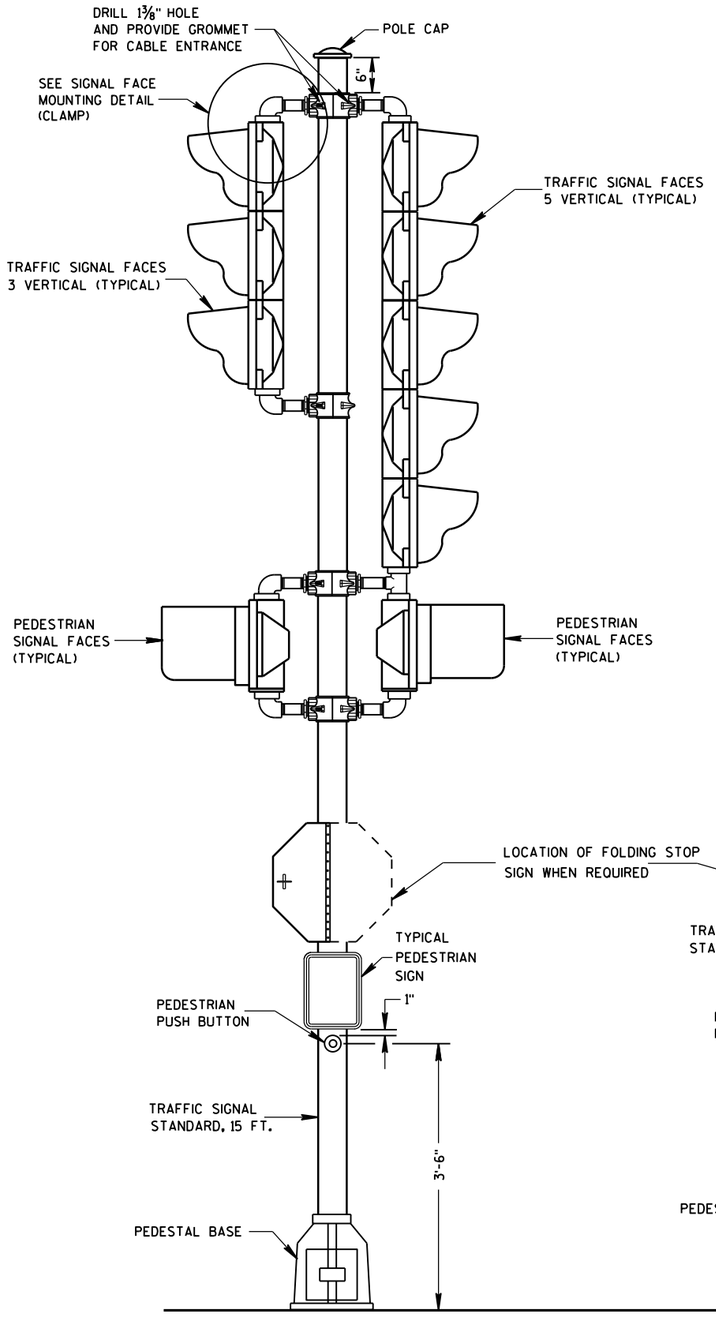
NON - FREEWAY LIGHTING UNIT POLE WIRING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

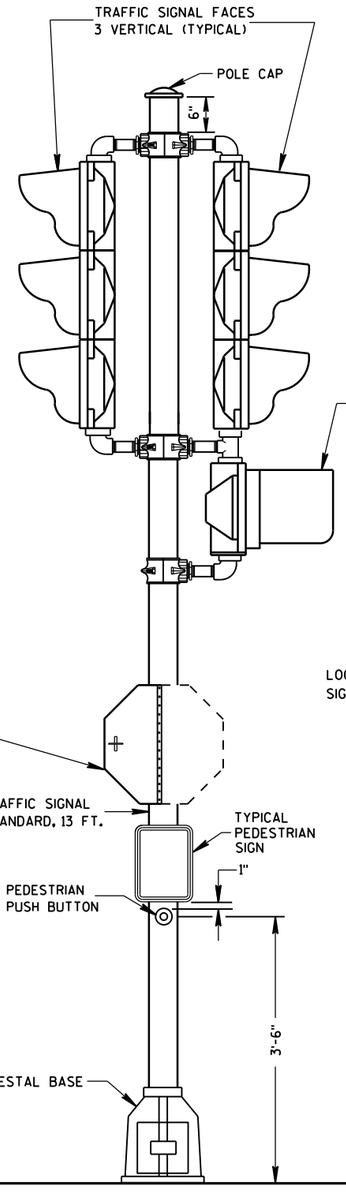
APPROVED
November 2018
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

FHWA

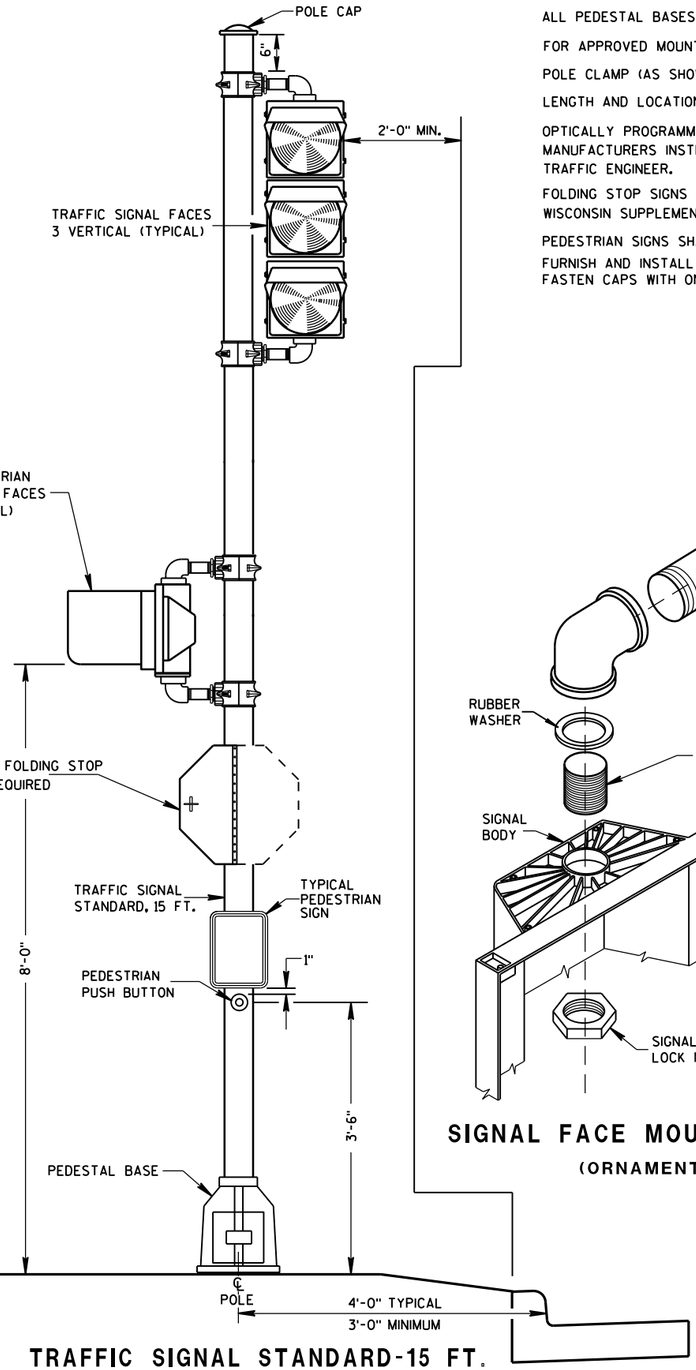
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SDD 09E03 - 06



TRAFFIC SIGNAL STANDARD-15 FT.



TRAFFIC SIGNAL STANDARD-13 FT.



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.

POLE CLAMP (AS SHOWN) MOUNTING BRACKETS SHALL BE USED.

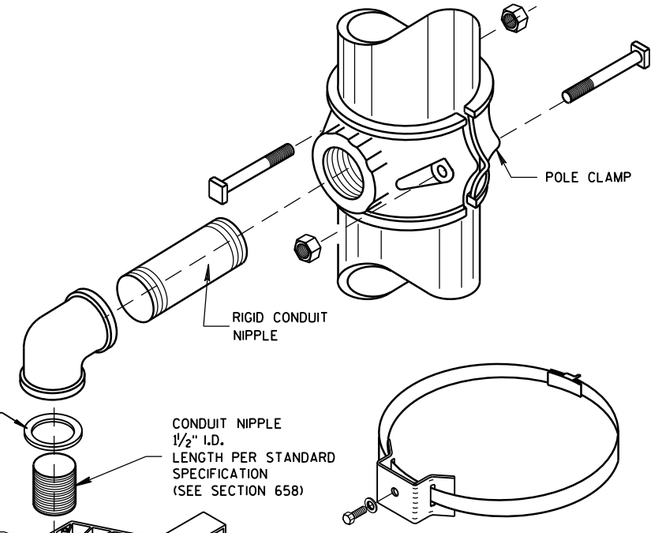
LENGTH AND LOCATION OF TRAFFIC SIGNAL STANDARDS SHALL BE AS SHOWN ON THE PLANS.

OPTICALLY PROGRAMMED SIGNAL FACES SHALL BE MASKED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS, AND UNDER THE DIRECTIONS OF THE REGION TRAFFIC ENGINEER.

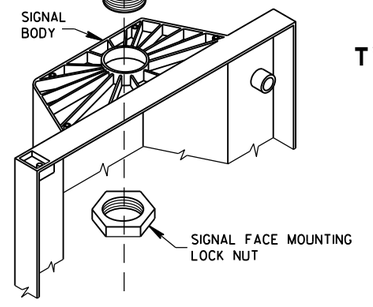
FOLDING STOP SIGNS SHALL BE IN ACCORDANCE WITH THE MUTCD AND/OR THE LATEST WISCONSIN SUPPLEMENT. THE SIGNS SHALL BE SIZED AND LOCATED AS CALLED FOR IN THE PLANS.

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.



TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



SIGNAL FACE MOUNTING DETAIL
(ORNAMENTAL)

TRAFFIC SIGNAL STANDARD
ORNAMENTAL BRACKET MOUNTINGS
TYPICAL FOR 13 FT. OR 15 FT.

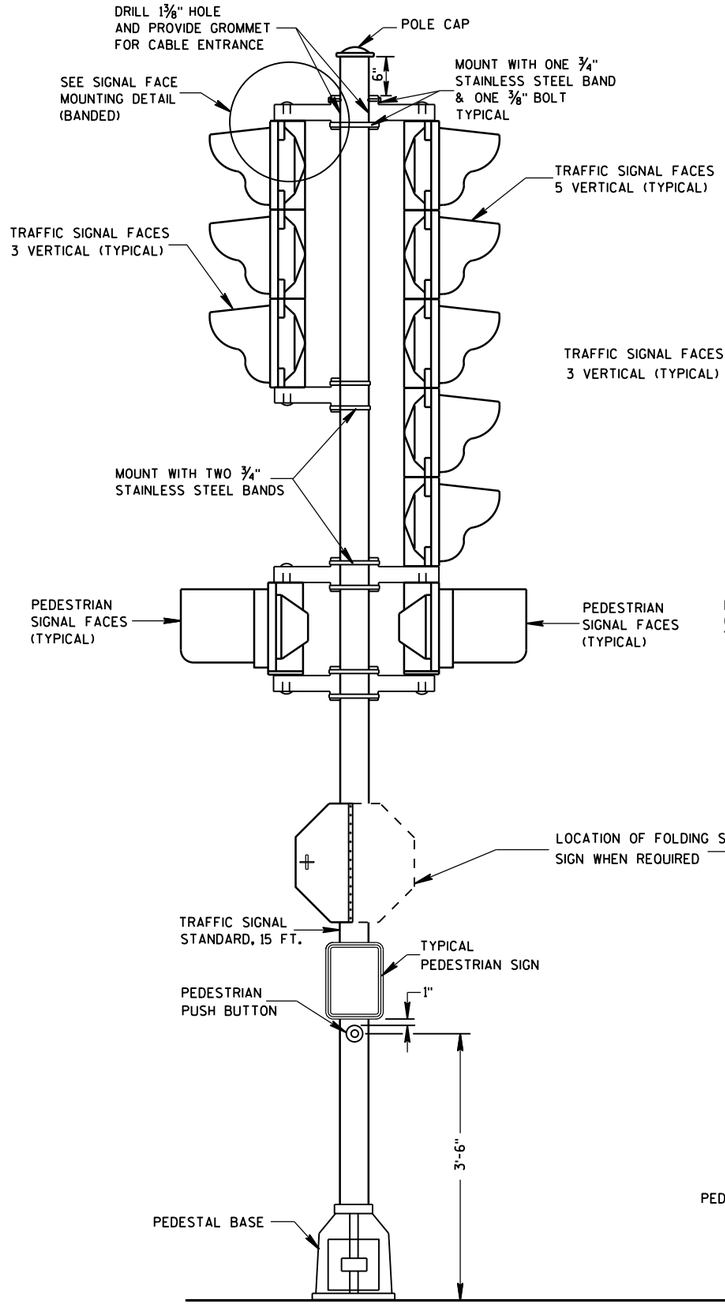
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
2/28/2013
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL
FHWA

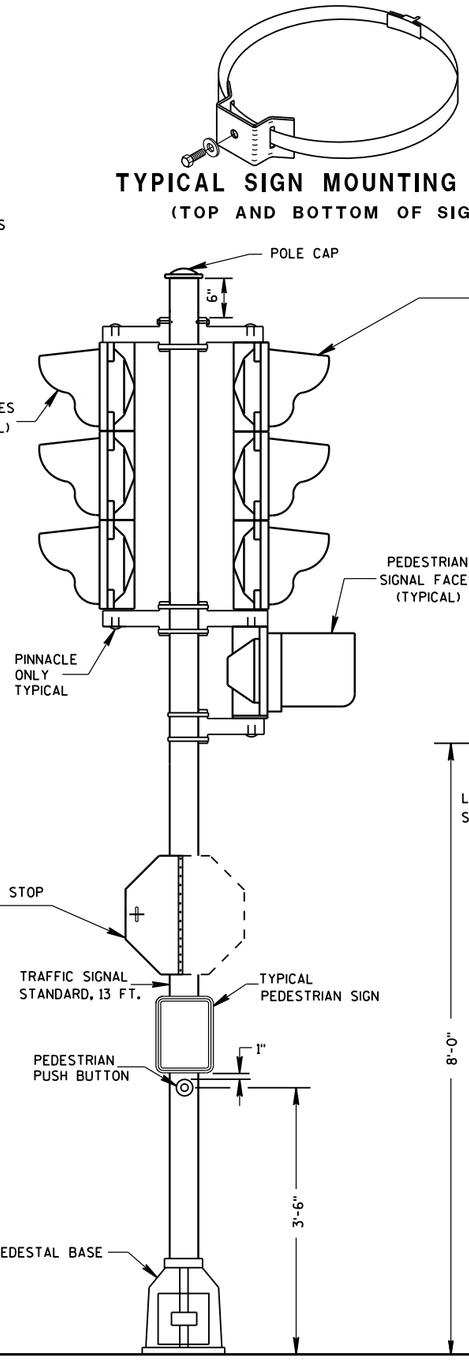
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S.D.D. 9 E 5-6

S.D.D. 9 E 5-6

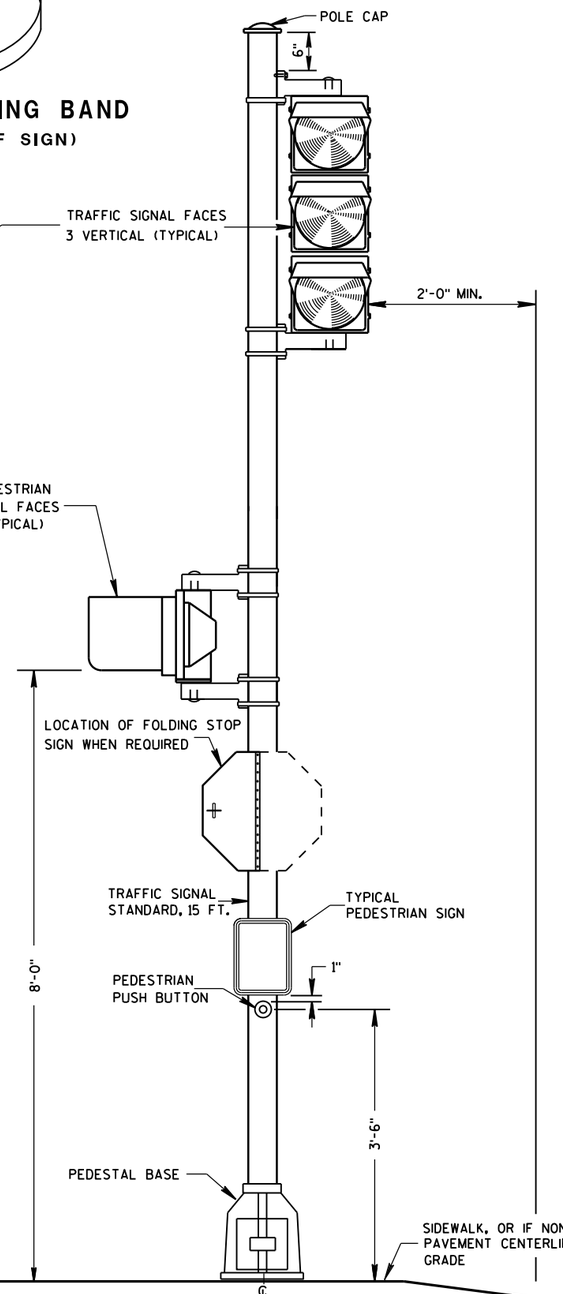


TRAFFIC SIGNAL STANDARD-15 FT.



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.

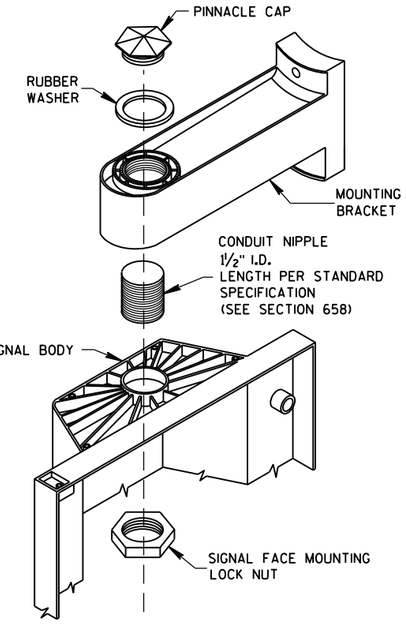
LENGTH AND LOCATION OF TRAFFIC SIGNAL STANDARDS SHALL BE AS SHOWN ON THE PLANS.

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) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.



SIGNAL FACE MOUNTING DETAIL
(BANDED)

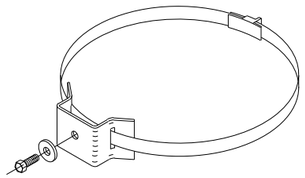
TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

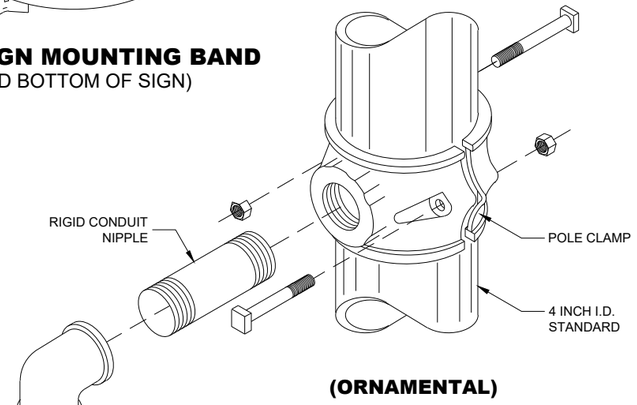
APPROVED
2/28/2013 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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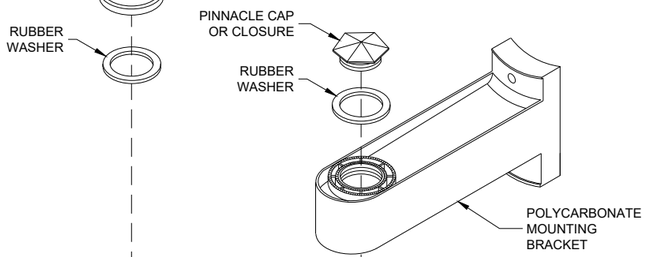
S.D.D. 9 E 6-5



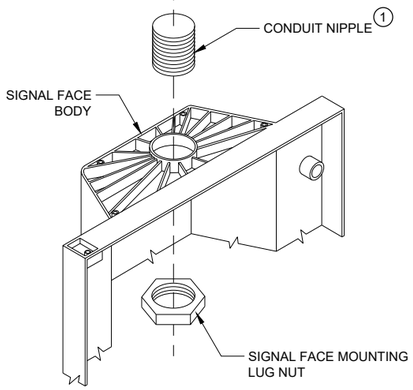
TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



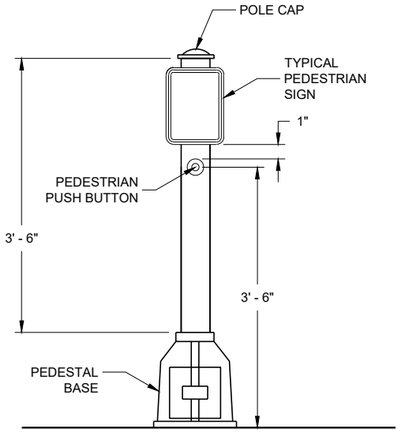
(ORNAMENTAL)



(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.

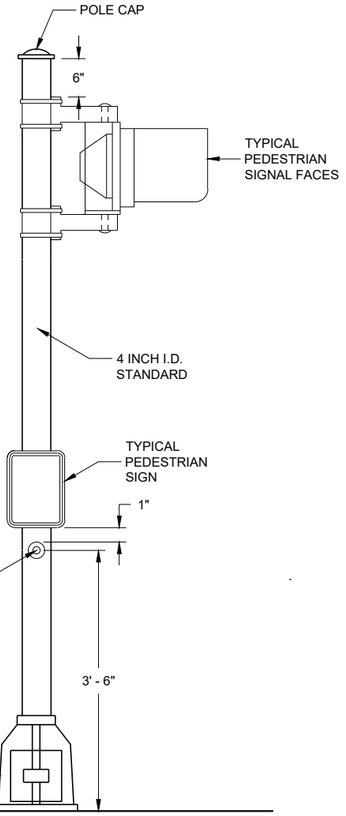
LENGTH OF TRAFFIC STANDARDS SHALL BE AS SHOWN ON THE PLANS.

MOUNTINGS AND BRACKETS SHALL BE AS SHOWN ON THE PLANS OR DESCRIBED IN THE SPECIAL PROVISIONS (BY THE REGION TRAFFIC ENGINEER).

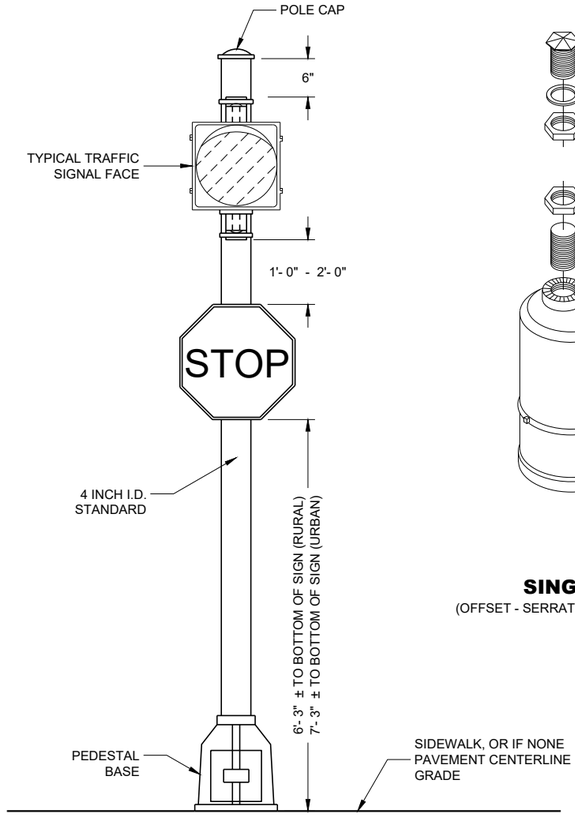
PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

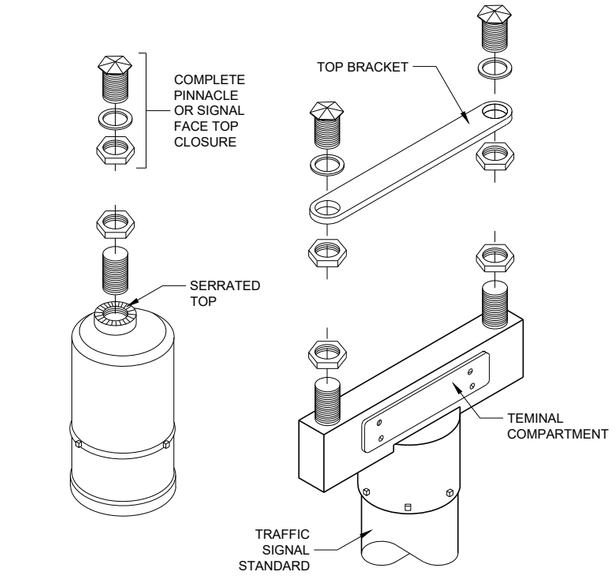
(1) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE 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

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November 2018
DATE

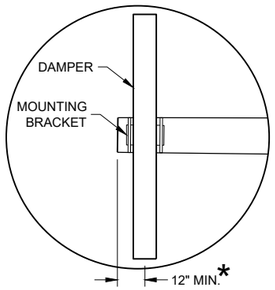
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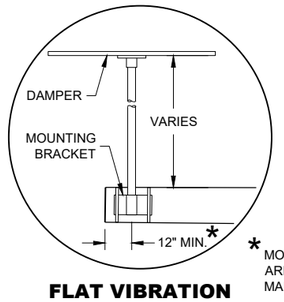
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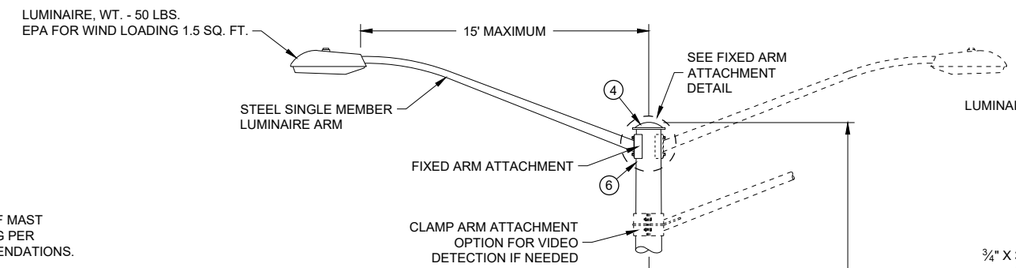


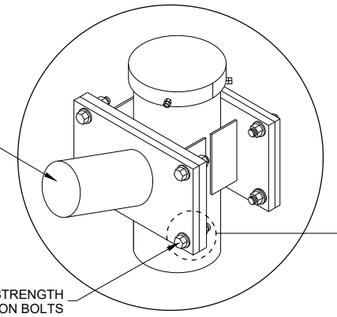
DUMBBELL VIBRATION DAMPER



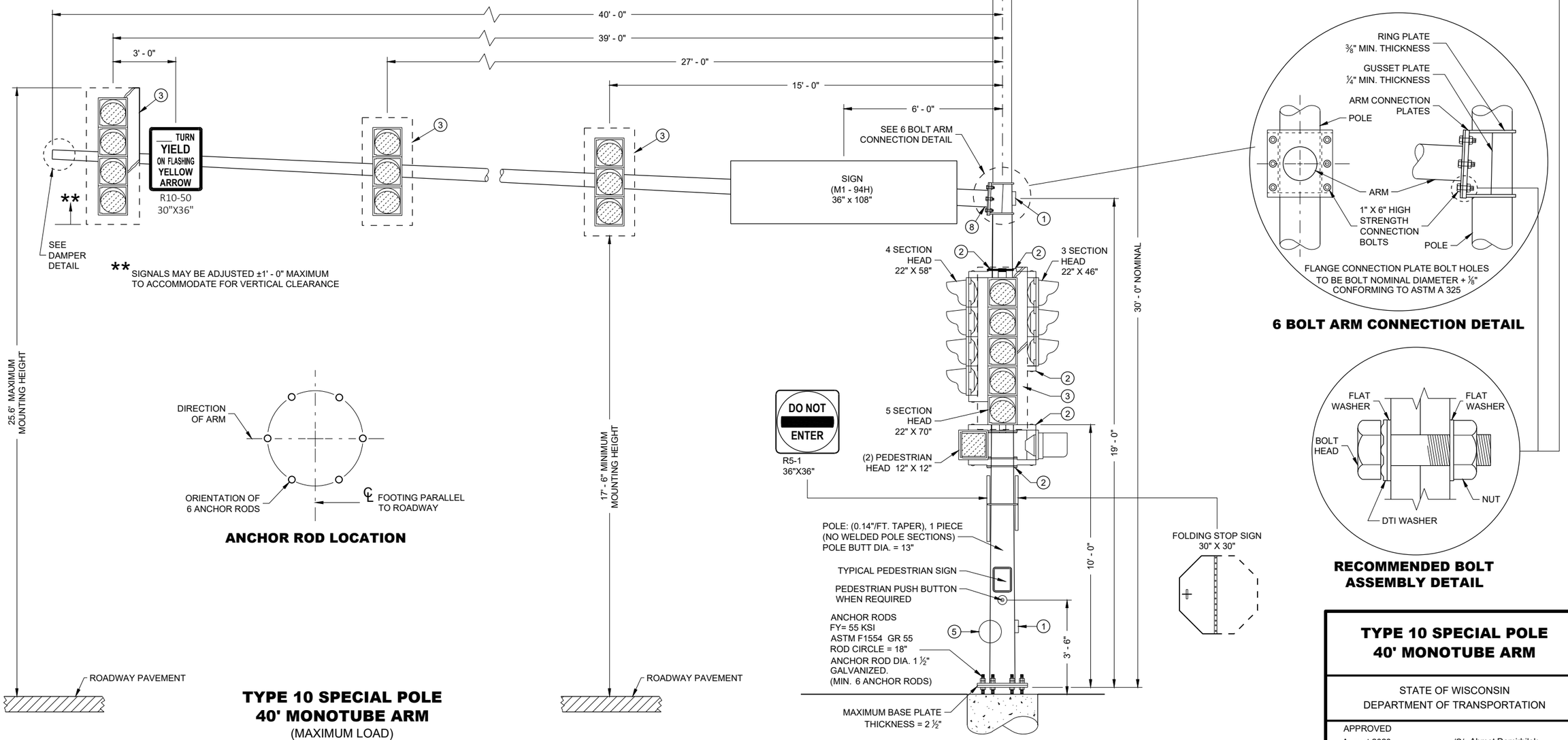
FLAT VIBRATION DAMPER

* MOUNT AS CLOSE TO END OF MAST ARM FOR MAXIMUM DAMPING PER MANUFACTURER'S RECOMMENDATIONS.





FIXED ARM ATTACHMENT DETAIL



** SIGNALS MAY BE ADJUSTED ±1' - 0" MAXIMUM TO ACCOMMODATE FOR VERTICAL CLEARANCE

ANCHOR ROD LOCATION

TYPE 10 SPECIAL POLE
40' MONOTUBE ARM
(MAXIMUM LOAD)

6 BOLT ARM CONNECTION DETAIL

RECOMMENDED BOLT ASSEMBLY DETAIL

TYPE 10 SPECIAL POLE
40' MONOTUBE ARM

STATE OF WISCONSIN
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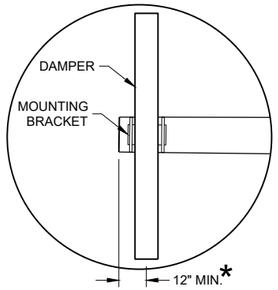
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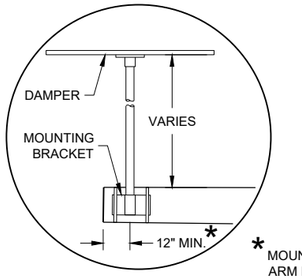
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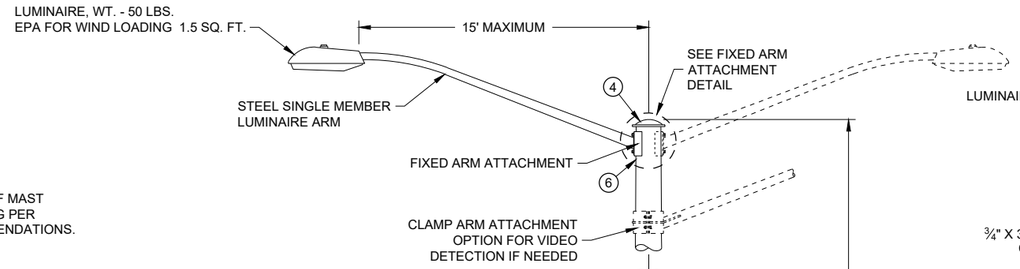


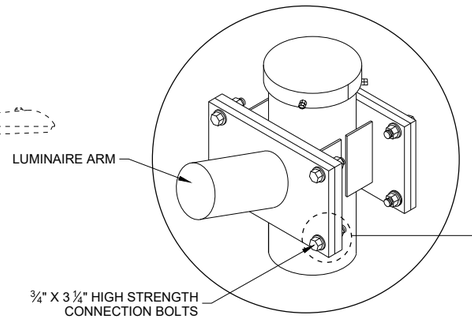
DUMBBELL VIBRATION DAMPER



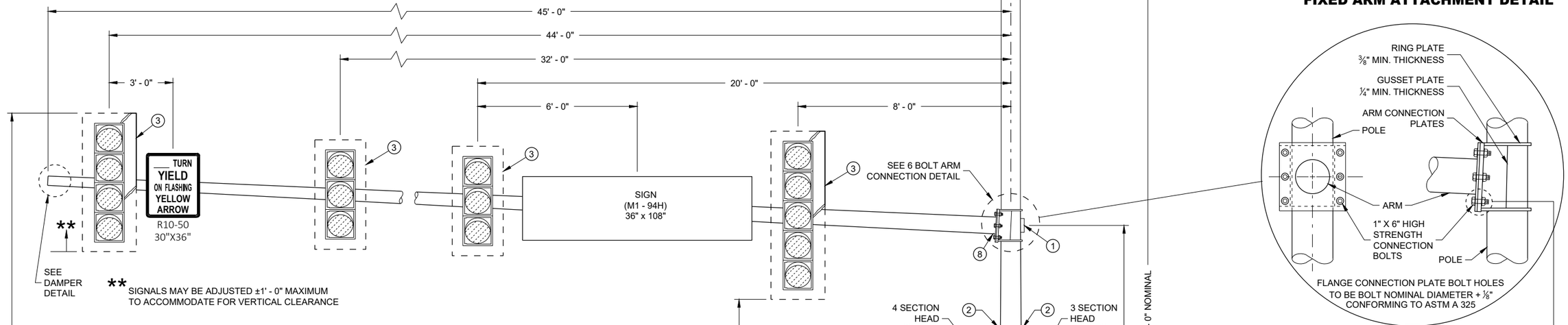
FLAT VIBRATION DAMPER

* MOUNT AS CLOSE TO END OF MAST ARM FOR MAXIMUM DAMPING PER MANUFACTURER'S RECOMMENDATIONS.

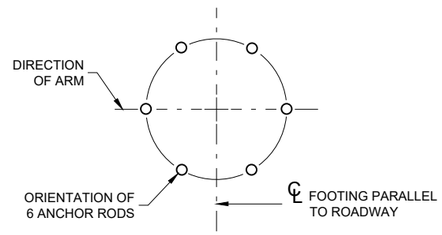




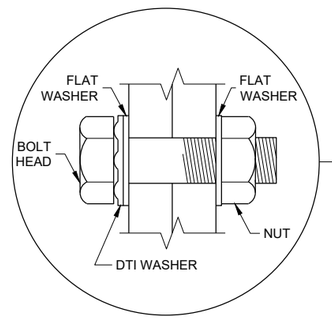
FIXED ARM ATTACHMENT DETAIL



6 BOLT ARM CONNECTION DETAIL



ANCHOR ROD LOCATION



RECOMMENDED BOLT ASSEMBLY DETAIL

TYPE 10 SPECIAL POLE
45' MONOTUBE ARM
(MAXIMUM LOAD)

TYPE 10 SPECIAL POLE
45' MONTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

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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.

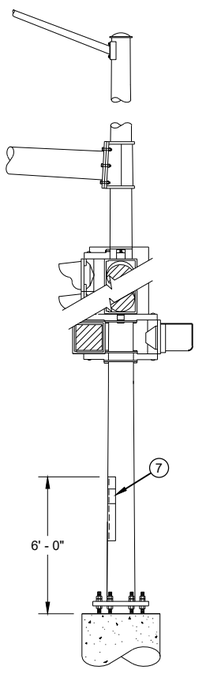
(6) FACTORY WELDED "J" HOOK FOR STRAIN RELIEF FOR POLE LUMINAIRE WIRE.

(7) INSTALL STRUCTURAL IDENTIFICATION PLAQUES.

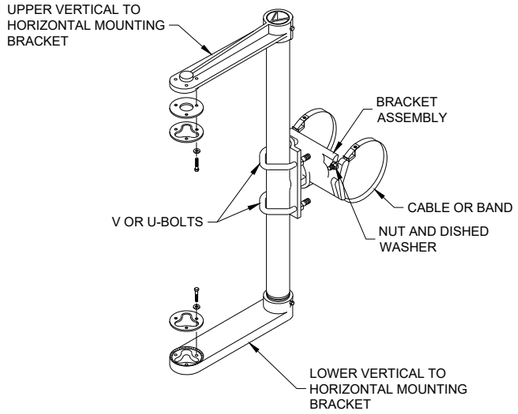
STRUCTURAL IDENTIFICATION PLAQUES SHALL BE PLACED ON THE POLES IN THE SAME DIRECTION AS THE ARM.

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.

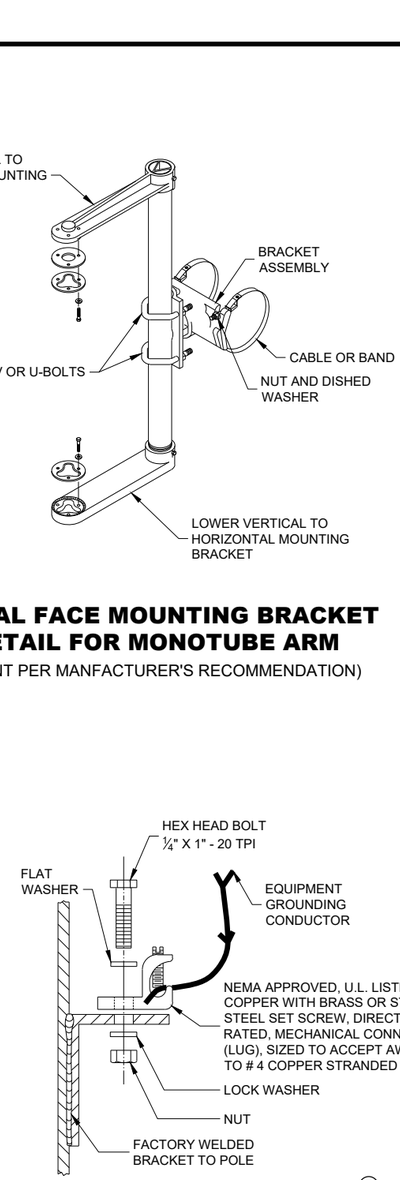


STRUCTURAL IDENTIFICATION PLAQUE PLACEMENT



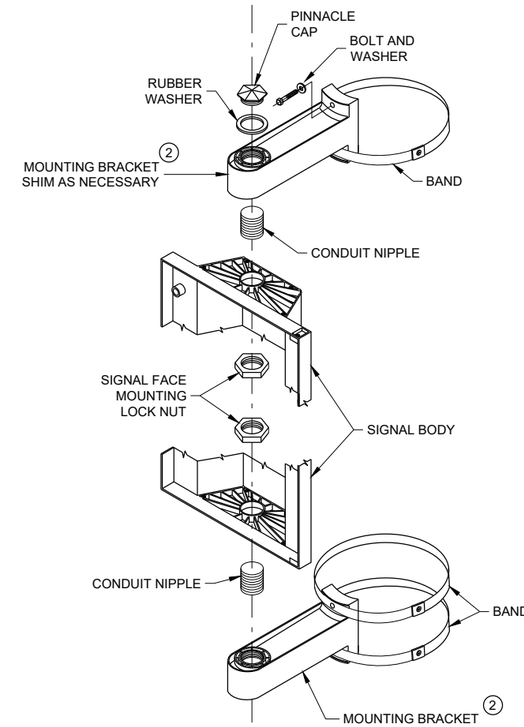
SIGNAL FACE MOUNTING BRACKET DETAIL FOR MONOTUBE ARM

(MOUNT PER MANFACTURER'S RECOMMENDATION)

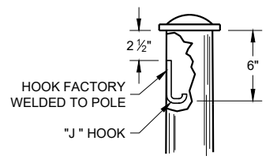


TYPICAL GROUNDING (5) CONNECTIONS

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

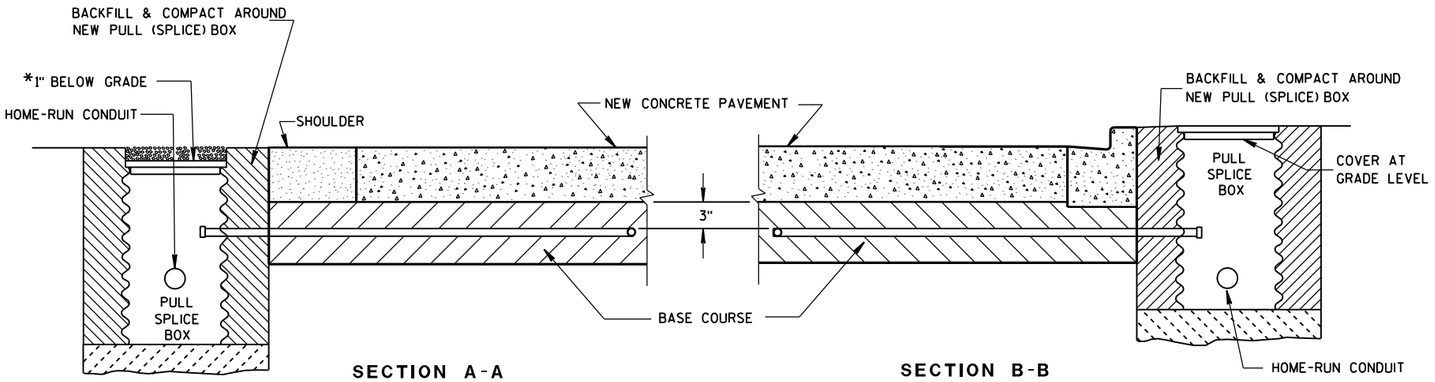
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL ENGINEER

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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.

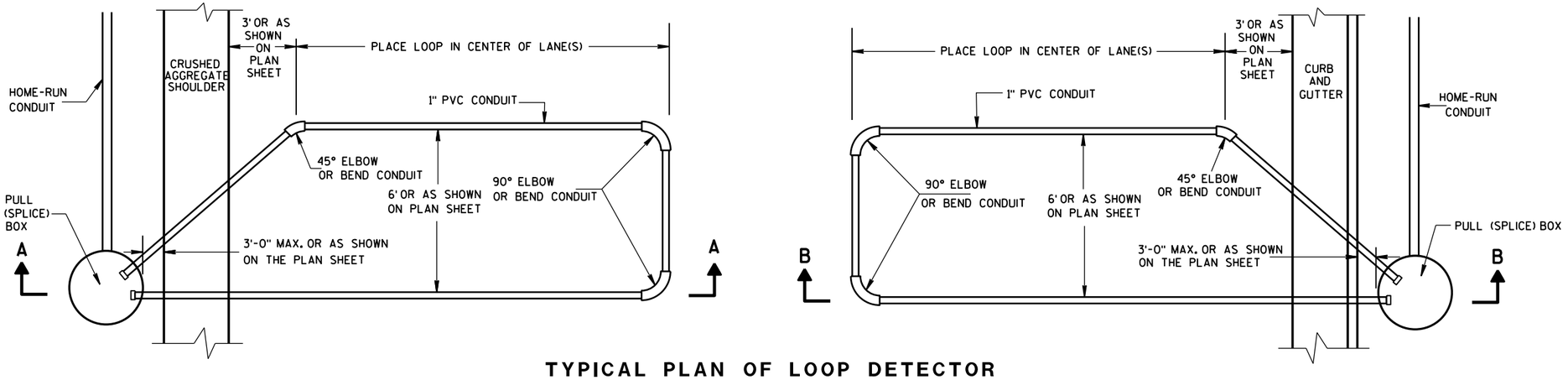
THE #12 AWG. LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

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-SPLICE CONTINUOUS LENGTH.

PROTECTION OF THE CONDUIT IN THE BASE COURSE, SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW PAVEMENT IS INSTALLED.

SHOULD INSTALLATION REPAIR BE REQUIRED, IT SHALL BE DONE UNDER THE DIRECTION OF THE PROJECT ENGINEER.



TYPICAL PLAN OF LOOP DETECTOR WITH 18" OR 24" PULL (SPLICE) BOX

LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL 77
FHWA

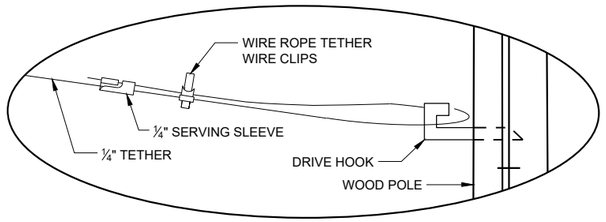
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S.D.D. 9 F 15-4a

MINIMUM POLE LENGTHS	CLASS	POLE BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'

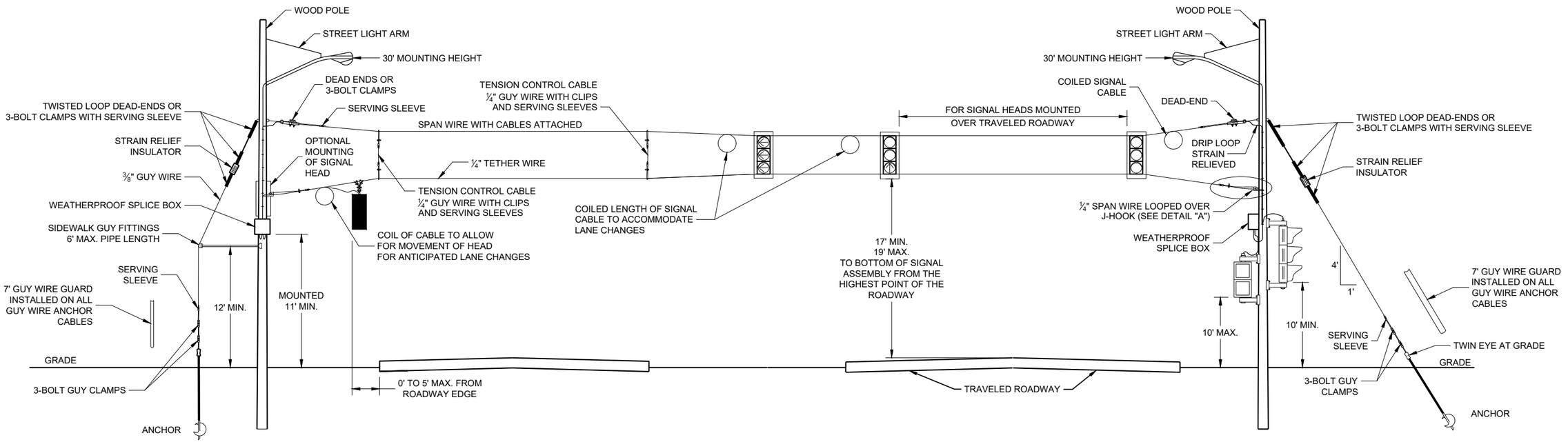


DETAIL "A"

GENERAL NOTES

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

1. WOOD POLES SHALL BE CLASS 4. LENGTH DETERMINED BY SIGNAL PLAN.
2. SIGNAL FACES:
   A. ALL SECTIONS SHALL BE 12" AND POLYCARBONATE.
   B. EACH SHALL CONTAIN A 5" WIDE DULL BLACK POLYCARBONATE BACKPLATE.
   C. EACH SHALL BE WIRED FROM THE TOP SIGNAL MOUNTING BRACKET.
   D. NEAR RIGHT SIGNAL FACE SUSPENDED ON THE TETHER (NO BACKPLATE) SHALL NOT BE OVER THE TRAVELED WAY. IF THE POLE IS WITHIN 5 FEET OF THE TRAVELED WAY MOUNT THE SIGNAL FACE ON THE WOOD POLE WITH BACKPLATE.
   E. FAR INDICATION SHALL BE MAINTAINED OVER CENTER OF TRAFFIC LANE.
3. SPAN WIRE:
   A. EACH SPAN WIRE SHALL BE INDIVIDUALLY DOWN GUYED
   B. SIGNAL AND LIGHTING CABLES SHALL ONLY BE ATTACHED TO THE UPPER SPAN WIRE.
   C. THE SIGNAL ASSEMBLY SHALL HAVE A 17' MIN. HEIGHT ABOVE THE ROADWAY. THIS SHALL BE MEASURED AFTER THE SPAN WIRE INSTALLATION IS COMPLETED WITH ALL CABLES AND SIGNAL FACES IN PLACE. MAINTAIN MINIMUM AND MAXIMUM HEIGHTS AS ROADWAY WORK PROGRESSES.



SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

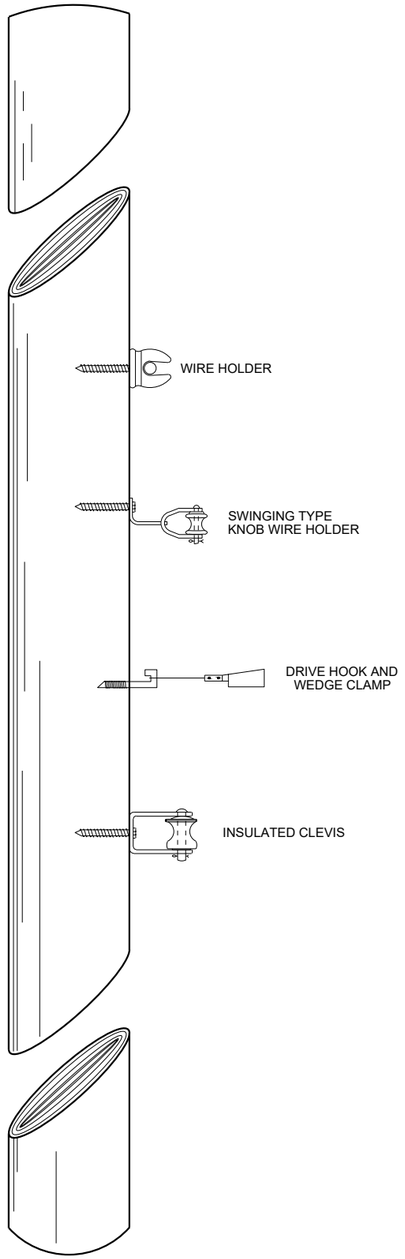
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

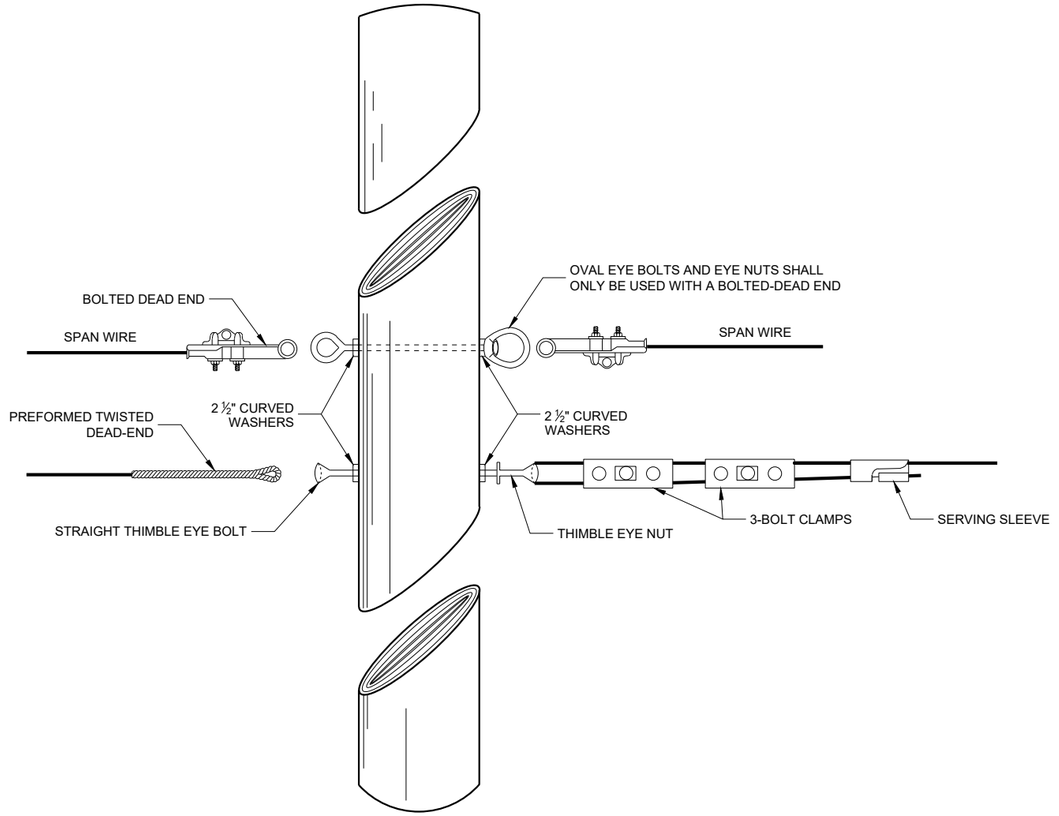
APPROVED
June 2015
DATE
/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI

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SPAN WIRE TEMPORARY TRAFFIC SIGNAL

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DEPARTMENT OF TRANSPORTATION

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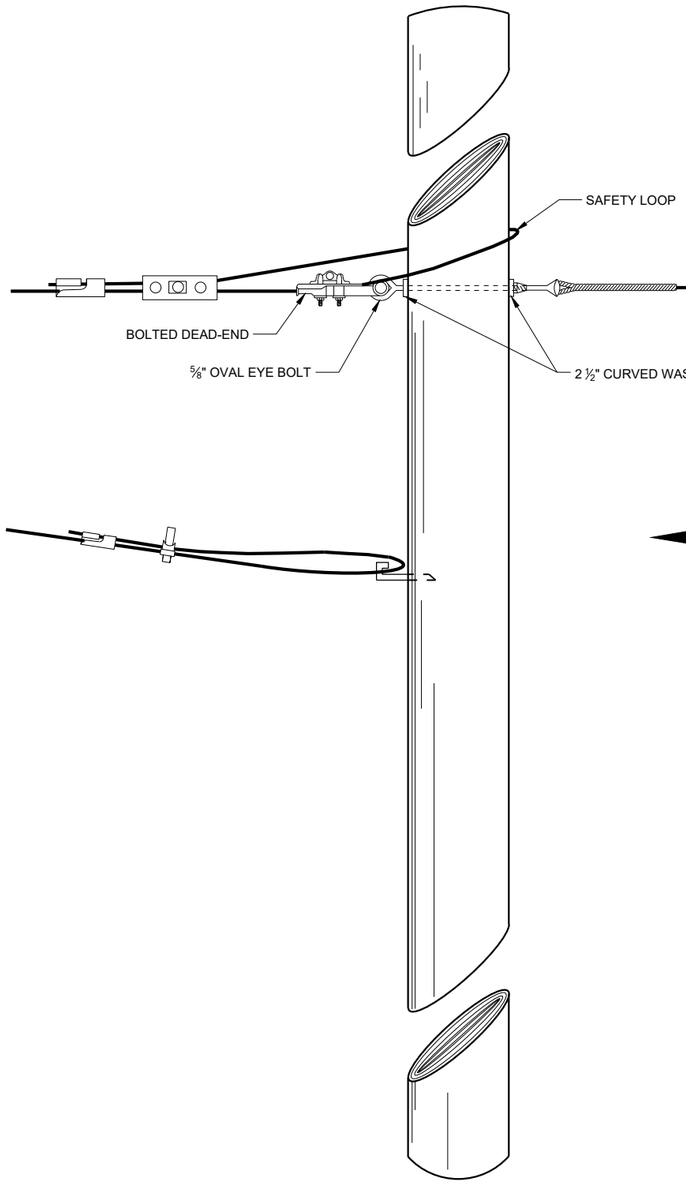
June 2015
DATE

/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

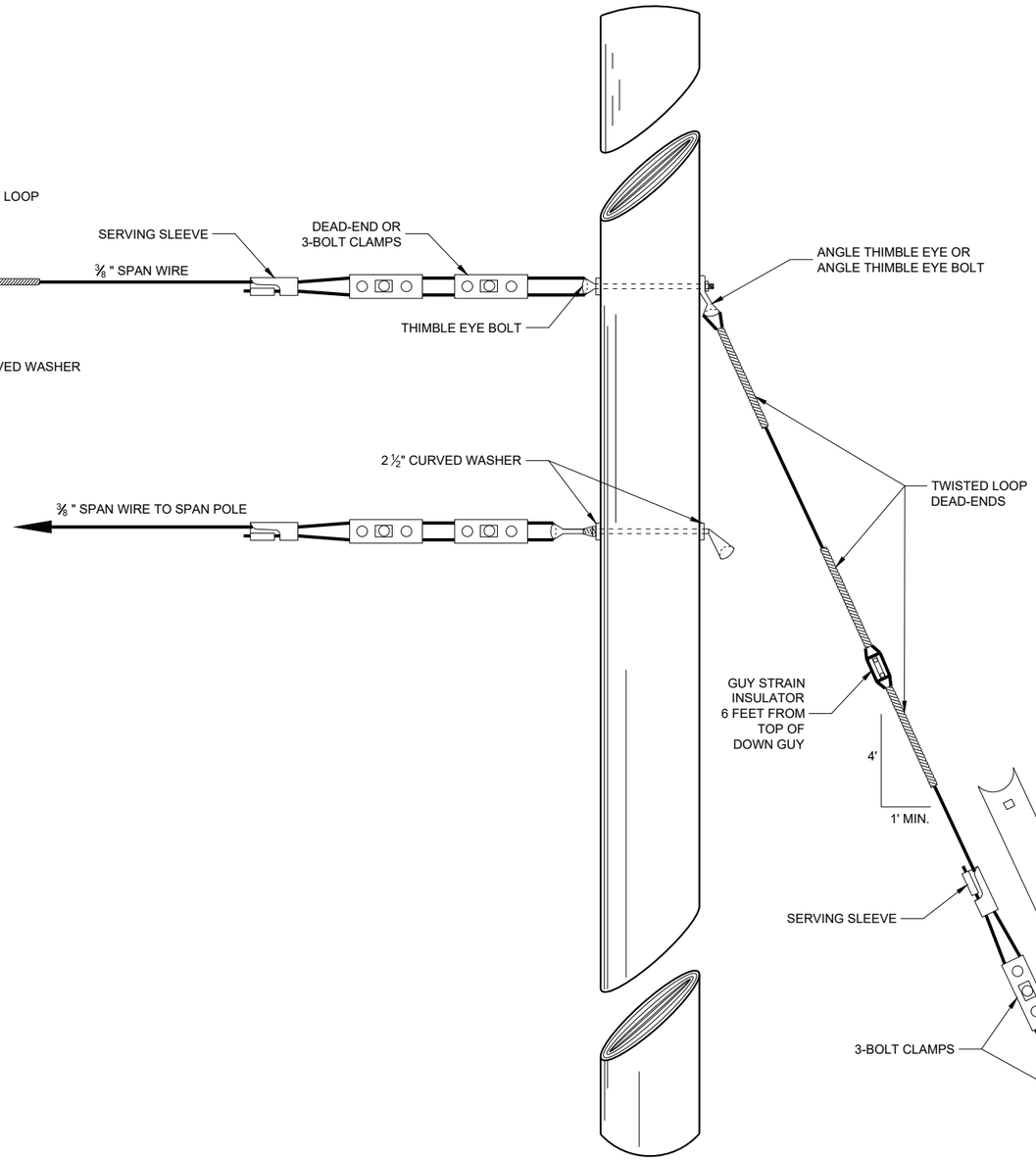
FHWA

GENERAL NOTES

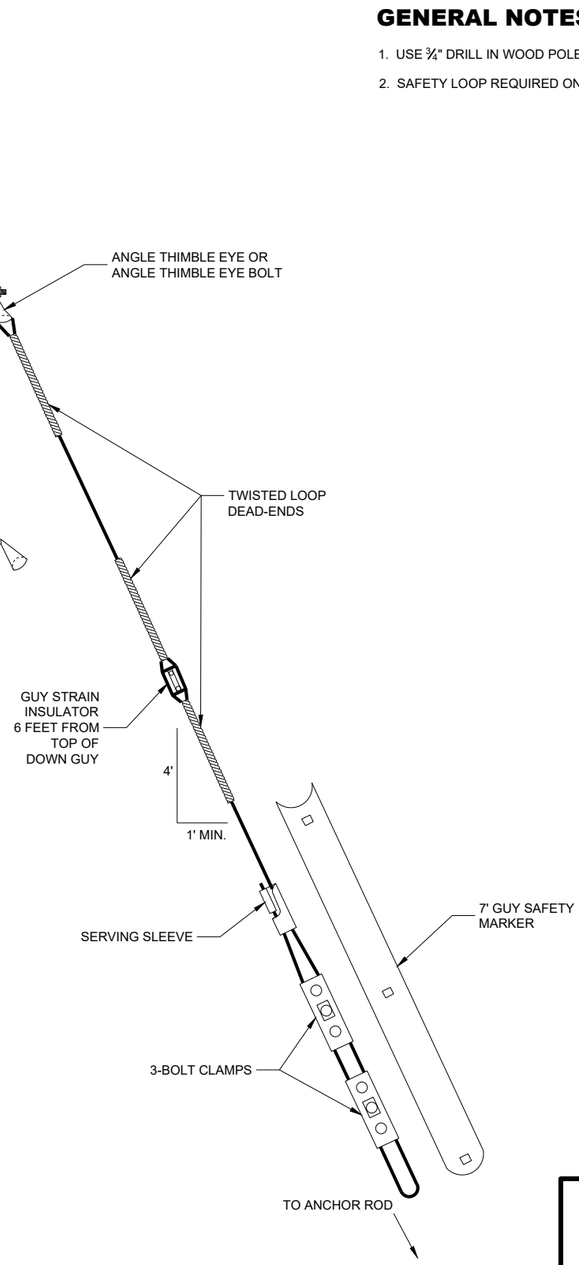
1. USE ¾" DRILL IN WOOD POLE TO PROVIDE FOR ⅝" BOLTS.
2. SAFETY LOOP REQUIRED ON EACH END OF ALL SPAN WIRES.



SPAN WIRE POLE



GUY POLE



TYPICAL DEAD-ENDINGS OR GUYING

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

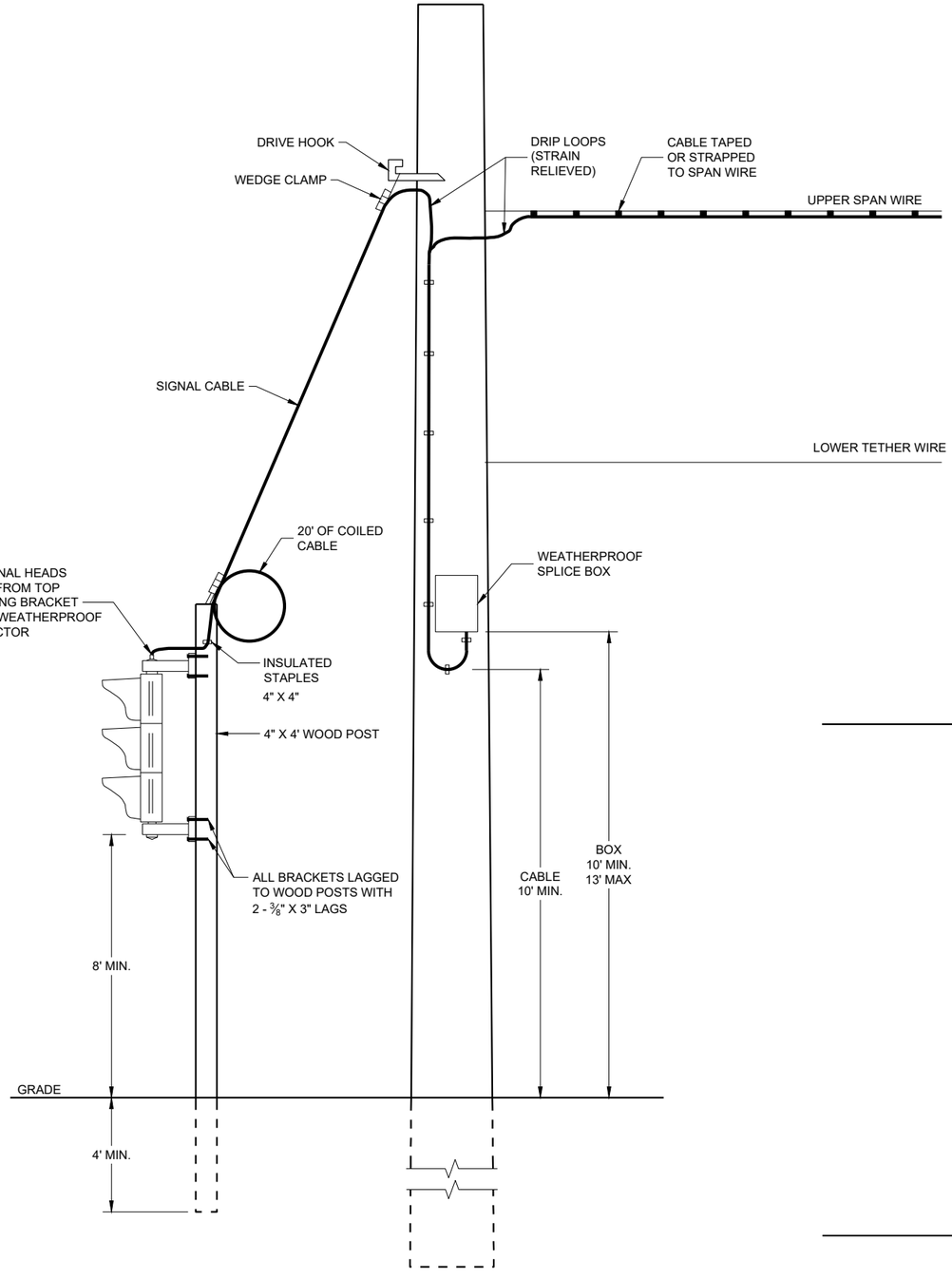
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
DATE
/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

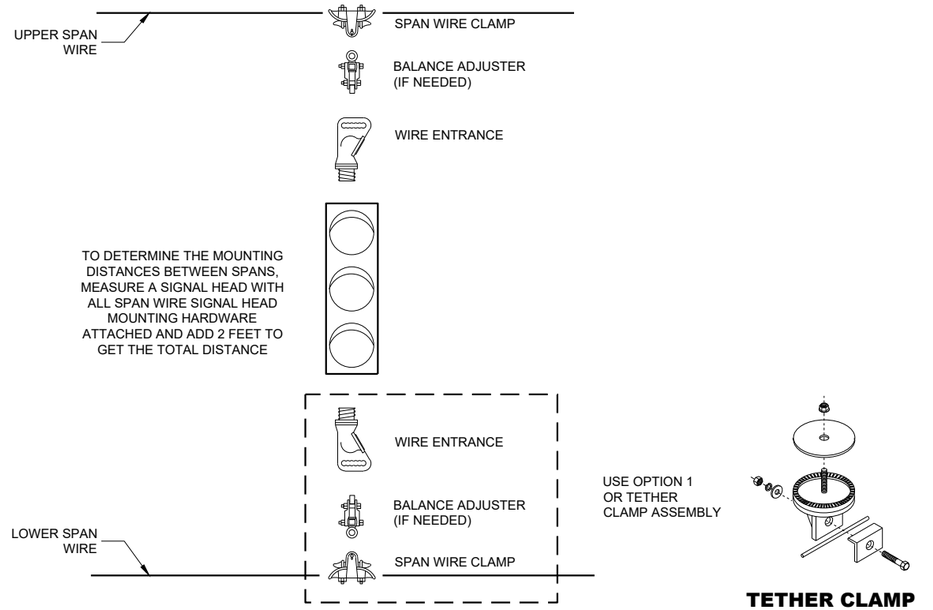
FHWA

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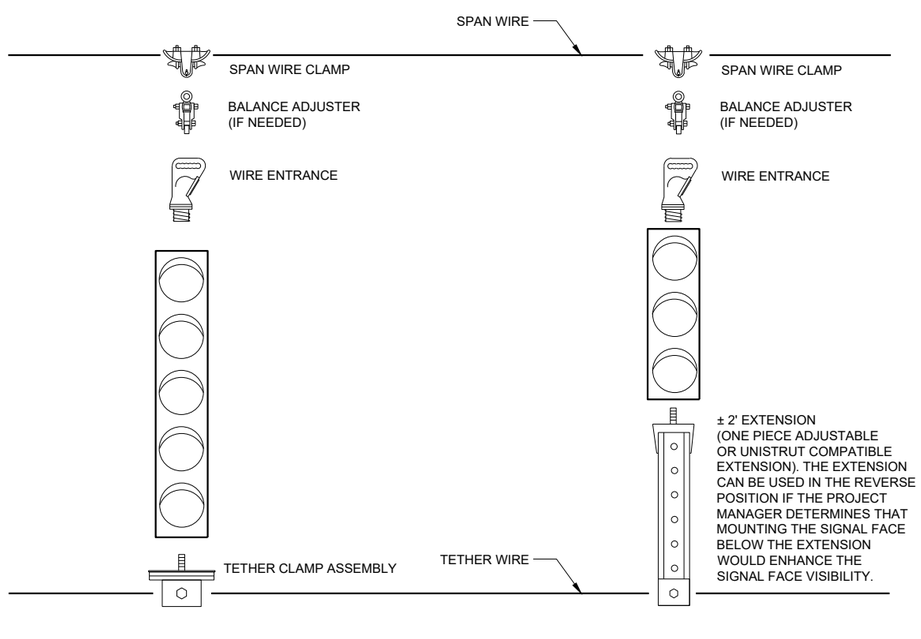
SDD 09G01 - 4e



TYPICAL DROP TO TEMPORARY MOVEABLE SIGNAL



TYPICAL SPAN WIRE MOUNTING HARDWARE



5 SECTION VERTICAL WITH 3 SECTION VERTICAL ON ONE SPAN WIRE

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

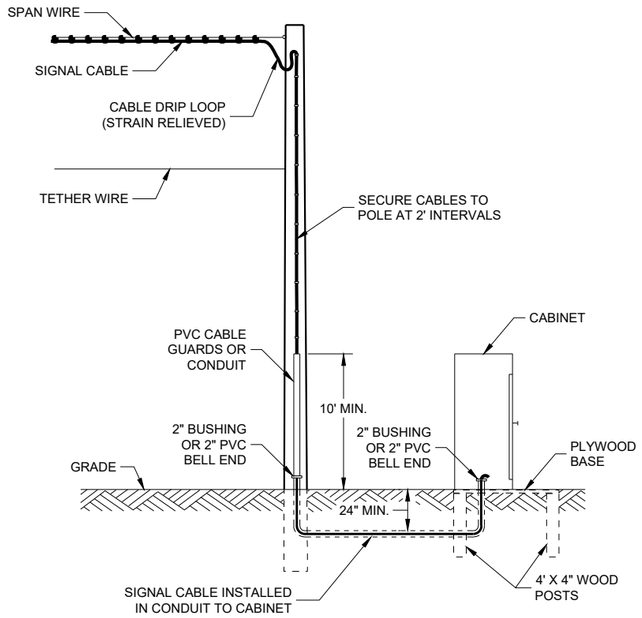
APPROVED
June 2015
DATE

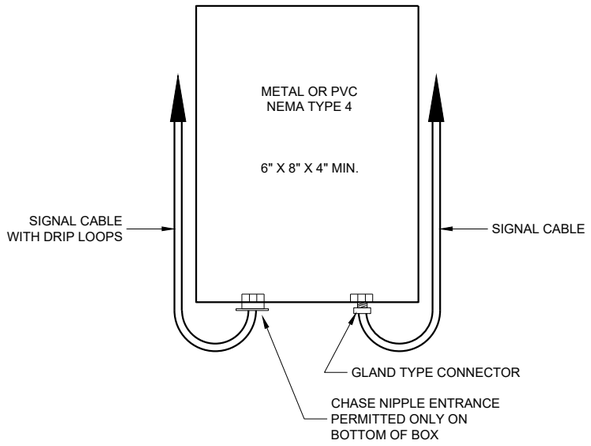
/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

FHWA

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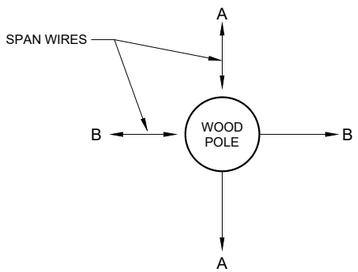
SDD 09G01 - 4f





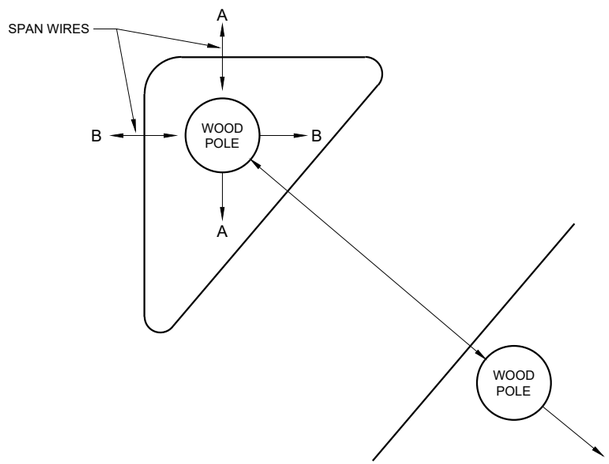
SPLICE BOX

TYPICAL SKID TYPE TEMPORARY

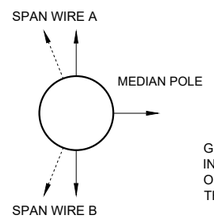


ALL DOWN OR SIDEWALK GUYS
SHALL BE INSTALLED IN THE
OPOSITE DIRECTION OF THE
STRAIN OF THE SPAN WIRE

CORNER POLES



ISLAND POLES



GUY AWAY FROM
INTERSECTION OR IN
OPPOSITE DIRECTION OF
THE SPAN LOADING

MEDIAN POLES

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

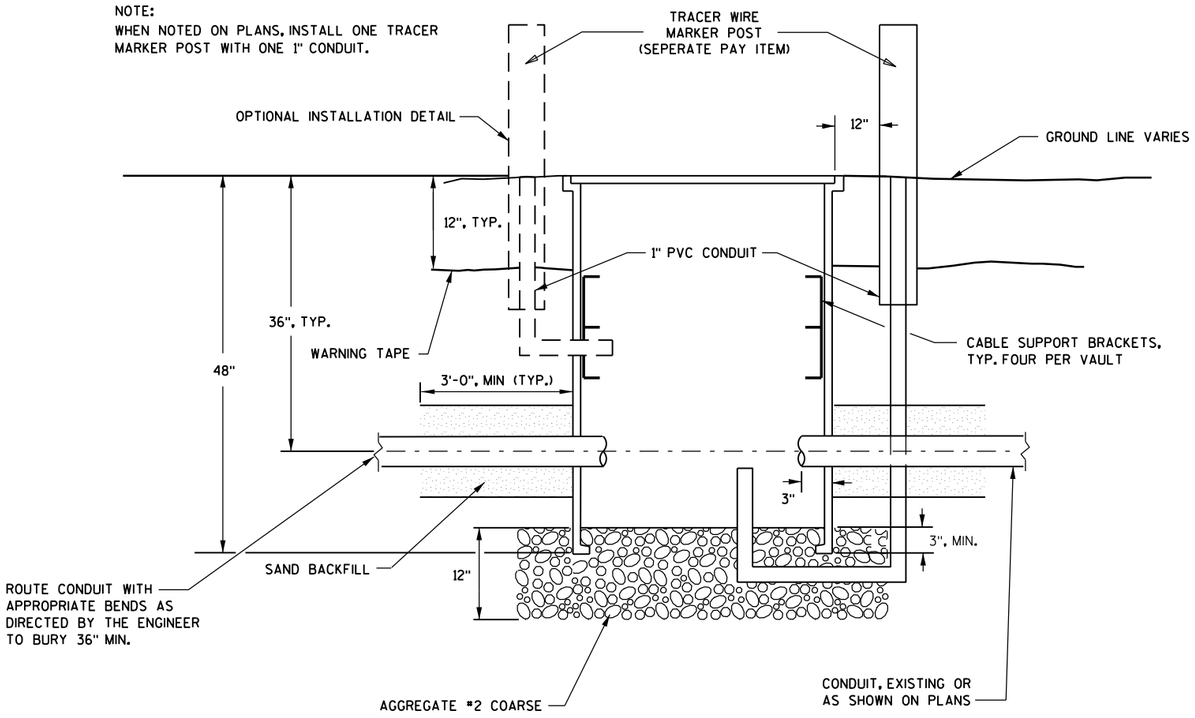
June 2015
DATE

/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE
ENGINEER

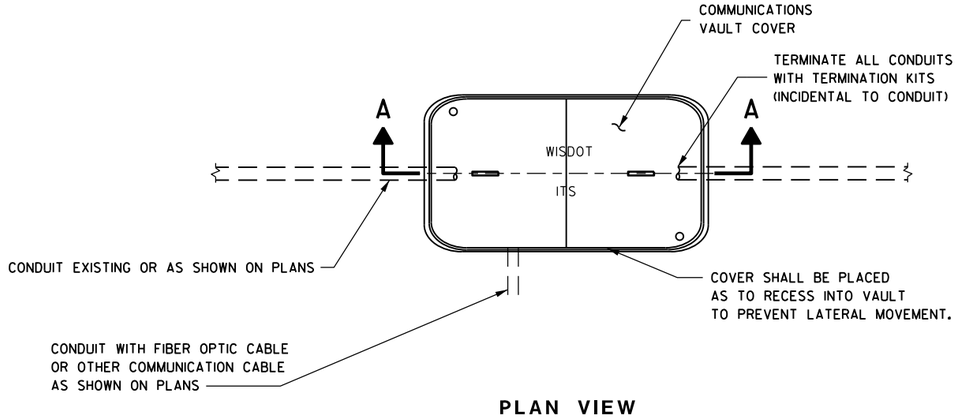
FHWA

SDD 09G01 - 4g

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SECTION A-A



PLAN VIEW

COMMUNICATIONS VAULT TYPE 1

GENERAL NOTES

PROVIDE VAULT WITH OPEN BASE.

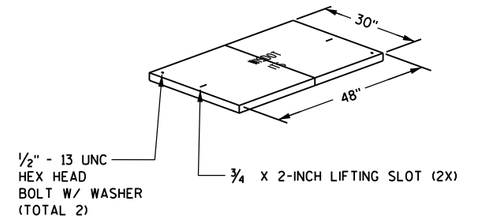
COVER SHALL HAVE A MINIMUM DESIGN LOAD OF 15,000 LBS AND SHALL LOCK.

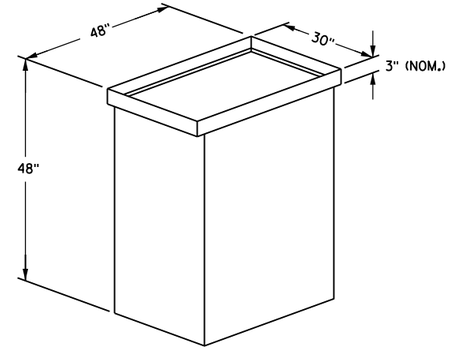
ALL OPENINGS IN STRUCTURE MUST BE MACHINED AT TIME OF FABRICATION, OR PUNCH DRIVEN AT TIME OF PLACEMENT.

VAULTS SHALL BE OF ONE-PIECE CONSTRUCTION. TWO-PIECE/STACKABLE VAULTS WILL NOT BE PERMITTED.

FIELD PLACEMENT OF COMMUNICATIONS VAULTS SHALL BE AS DIRECTED BY THE ENGINEER.

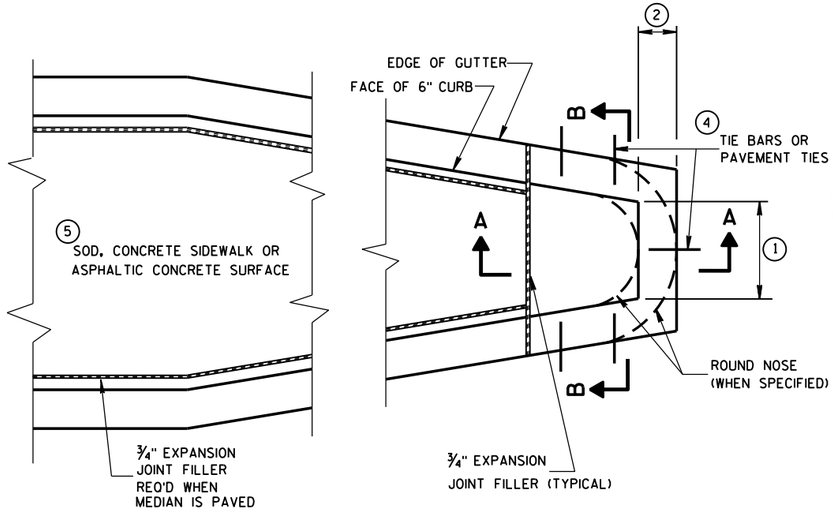
FIBER TRACER MARKER POSTS SHALL BE CONSTRUCTED WITH HIGH-IMPACT PLASTIC MATERIAL WHICH IS FADE RESISTANT AND UV STABLE. ALL HARDWARE SHALL BE STAINLESS STEEL AND CONTAIN A MINIMUM OF FIVE STANDARD TERMINALS.

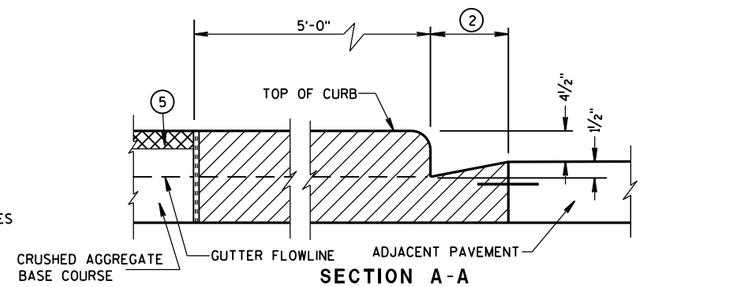




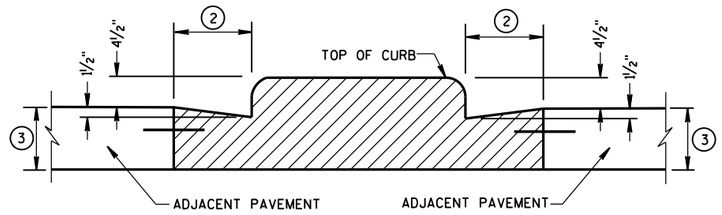
ISOMETRIC VIEW

COMMUNICATION VAULT TYPE 1	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
May, 2017 DATE	/S/Ahmet Demirbilek STATE ELECTRICAL
FHWA	





SECTION A-A



SECTION B-B

CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

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

(1) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

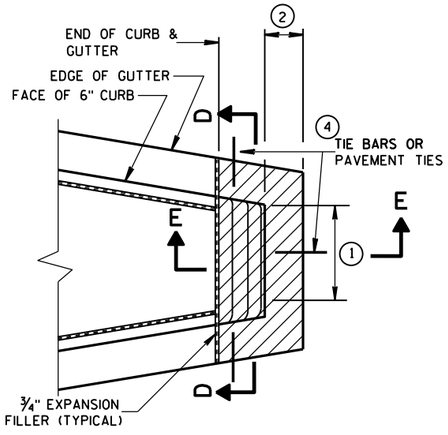
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

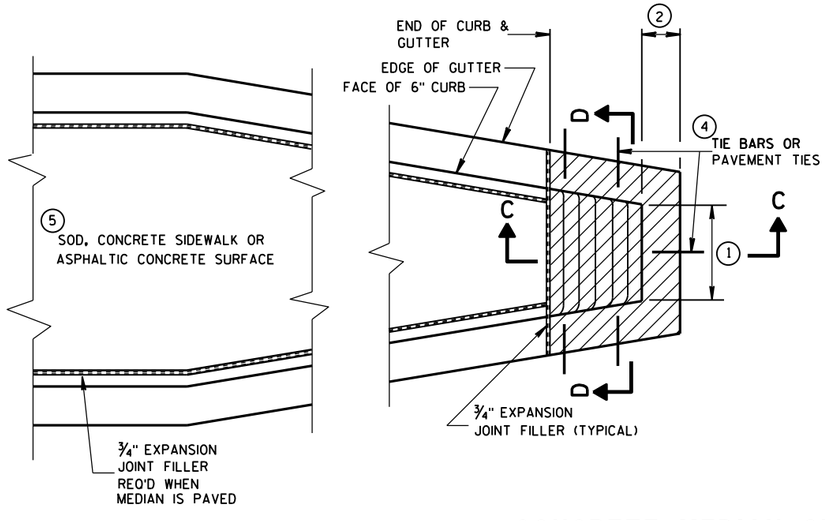
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

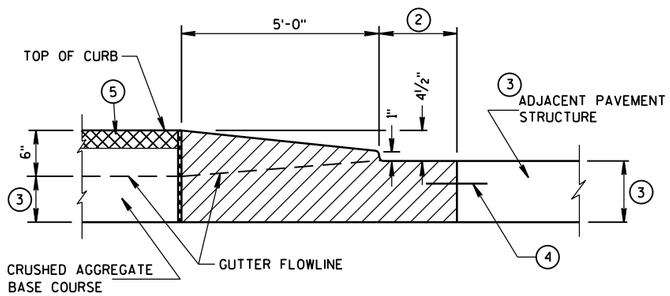
(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

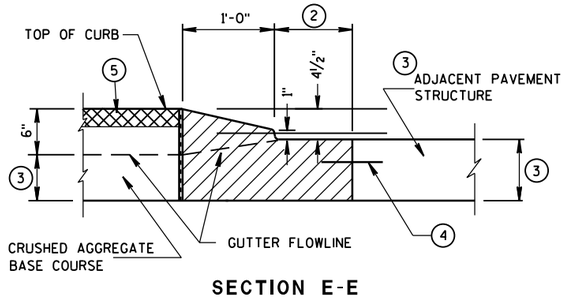
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.







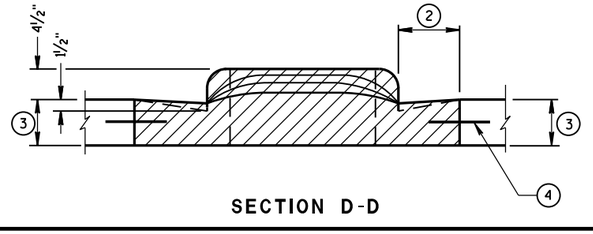
SECTION C-C



SECTION E-E

CONCRETE MEDIAN SLOPED NOSE TYPE 1

CONCRETE MEDIAN SLOPED NOSE TYPE 2



SECTION D-D

CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/8/2006
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

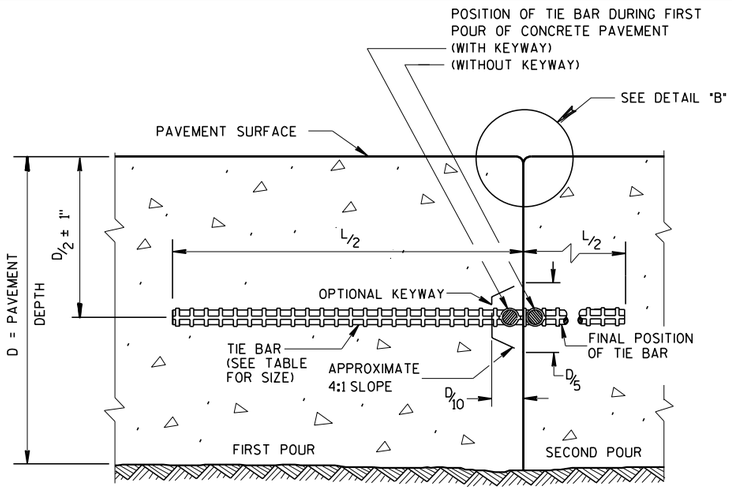
FHWA

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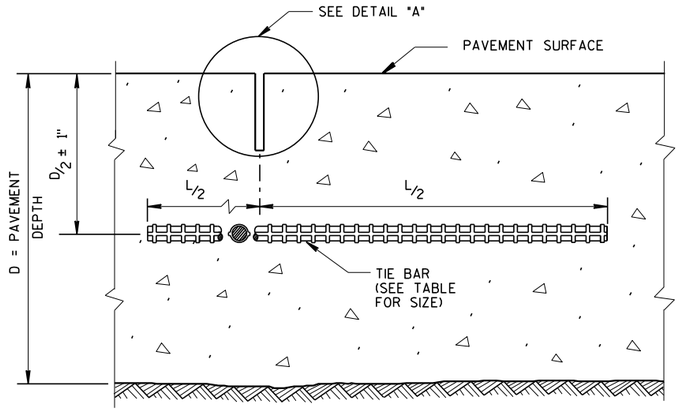
S.D.D. 11 B 2-2

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S.D.D. 11 B 2-2



CONSTRUCTION JOINT



SAWED JOINT

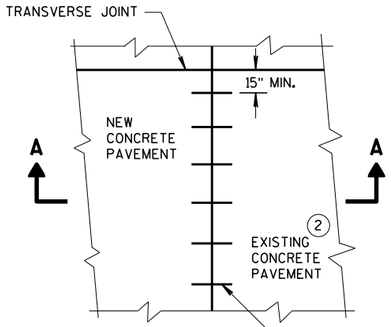
GENERAL NOTES

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

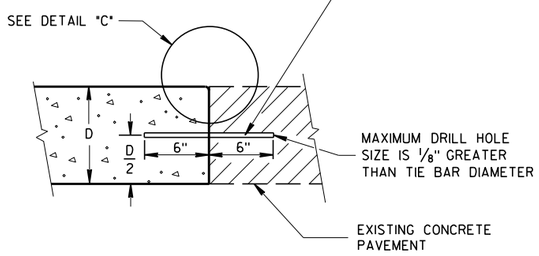
CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

(2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.

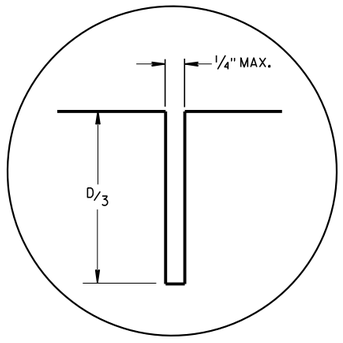


PLAN VIEW

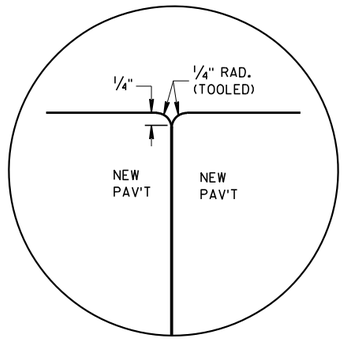


SECTION A-A

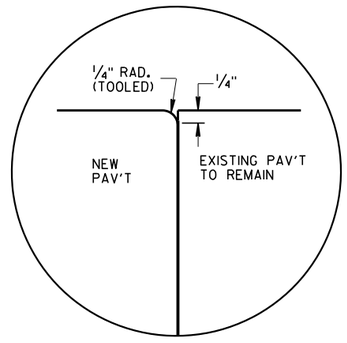
LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT



DETAIL "A"



DETAIL "B"



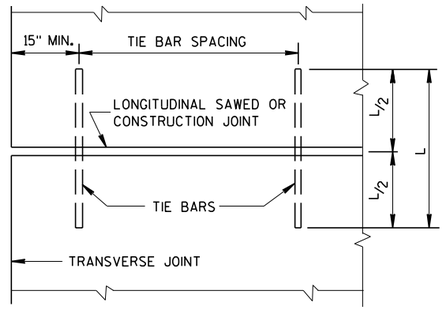
DETAIL "C"

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.



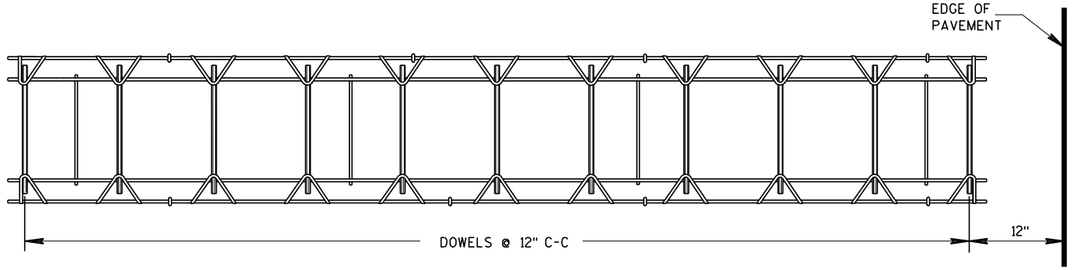
PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT
LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE
/S/ Peter Kemp
PAVEMENT SUPE
FHWA

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S.D.D. 13 C 1-19



PLAN VIEW



SIDE VIEW

CONTRACTION JOINT DOWEL ASSEMBLY ①

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5 ½", 6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8", 8 ½"	1 ¼"	15'
9", 9 ½"	1 ¼"	15'
10" & ABOVE	1 ½"	15'

GENERAL NOTES

CONTRACTION JOINTS

CONSTRUCT TRANSVERSE CONTRACTION JOINTS NORMAL TO THE CENTERLINE. SHOW THE LOCATION OF CONTRACTION JOINTS THROUGH INTERSECTIONS ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

FOR PAVEMENT SLABS OF VARYING WIDTHS, LOCATE THE OUTER MOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS A MINIMUM OF 6 INCHES AND A MAXIMUM OF 18 INCHES FROM THE LONGITUDINAL JOINT AND THE FREE EDGE OF PAVEMENT.

CONSTRUCTION JOINTS

LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.

① OBTAIN THE ENGINEER'S APPROVAL FOR THE USE OF ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY. USE MECHANICAL DOWEL BAR INSERTERS OR DOWEL ASSEMBLIES WHEN CONSTRUCTING CONTRACTION JOINTS.

② SECURE BASKETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT. TYPE, LOCATION, NUMBER AND LENGTH OF ANCHORS ARE DEPENDENT UPON FIELD CONDITIONS.

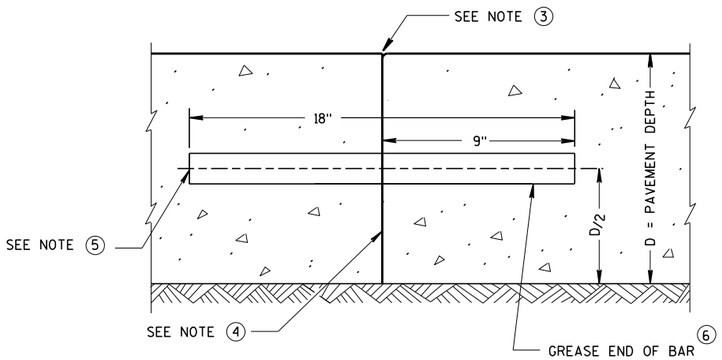
③ FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A ¼-INCH RADIUS AT FORMED JOINTS.

④ PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.

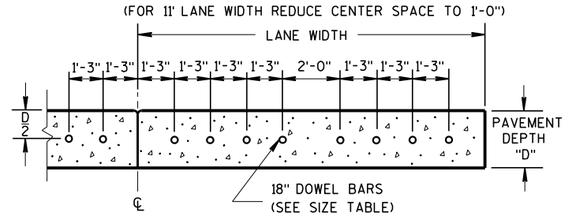
⑤ INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C-C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO *DRILLED DOWEL BAR CONSTRUCTION JOINT* DETAIL.

⑥ APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

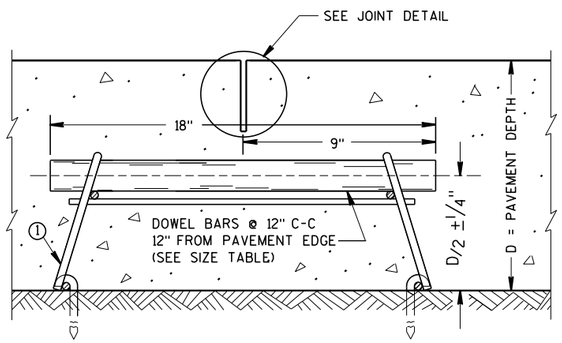
⑦ ANCHOR DOWEL BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS ⅛-INCH GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.



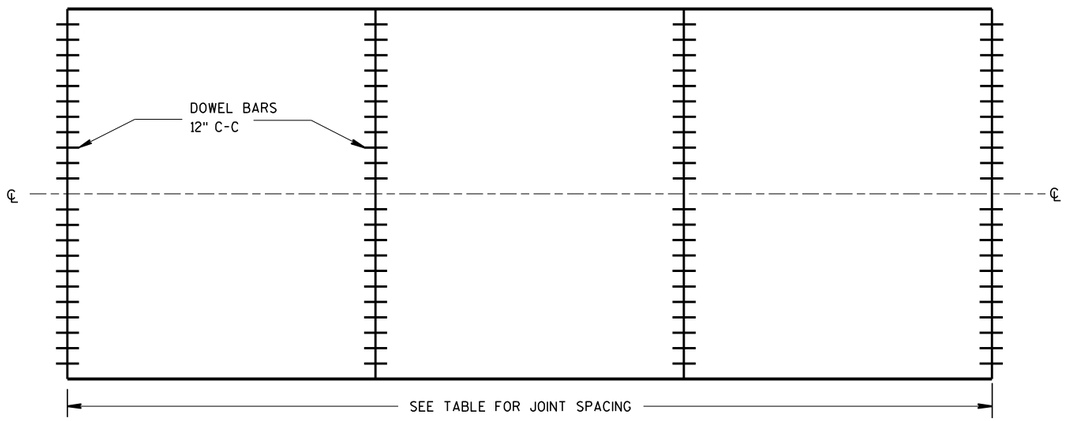
TRANSVERSE CONSTRUCTION JOINT



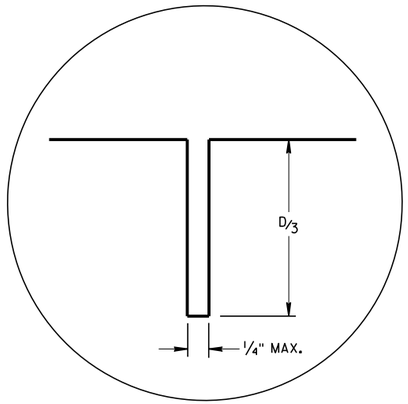
DRILLED DOWEL BAR CONSTRUCTION JOINT ⑦



DOWELED CONTRACTION JOINT



CONTRACTION JOINT LOCATIONS



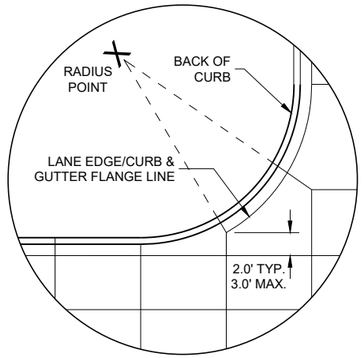
JOINT DETAIL

URBAN DOWELED CONCRETE PAVEMENT

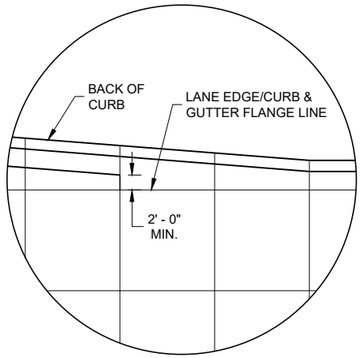
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Peter Kemp P.E. — PAVEMENT SUP
FHWA

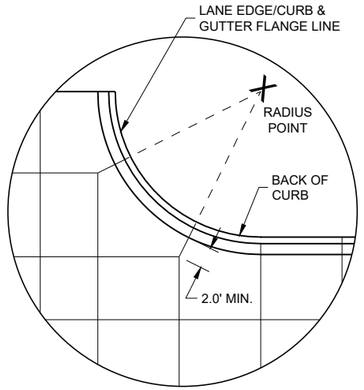
6
S.D.D. 13 C 13-9



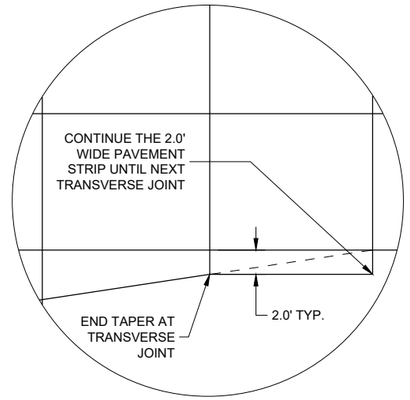
DETAIL "A"



DETAIL "B"



DETAIL "C"



DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

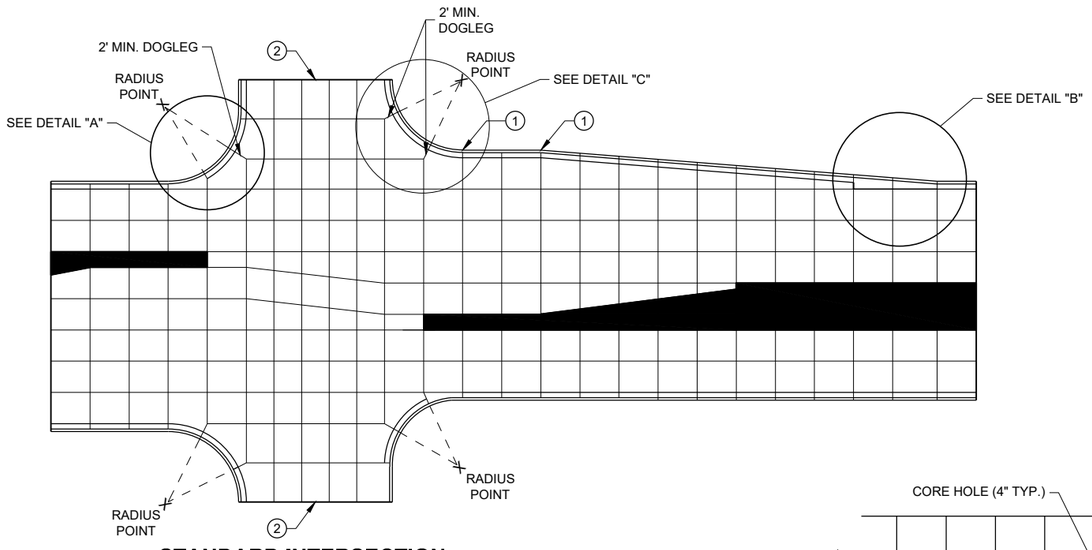
AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.

(2) CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITHEDGE OF RADIUS.

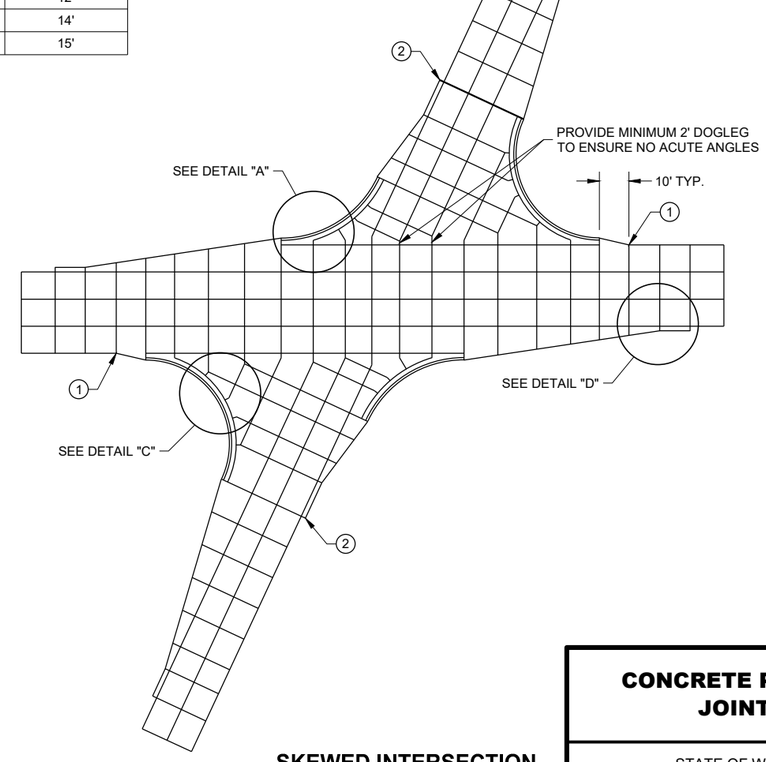
(3) THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



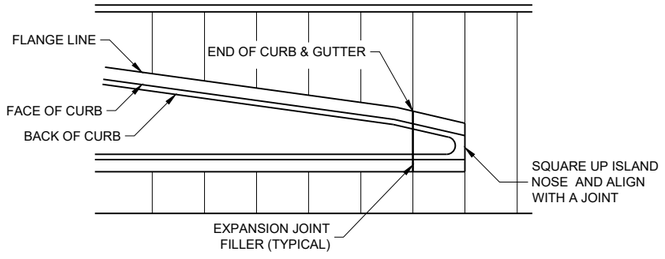
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

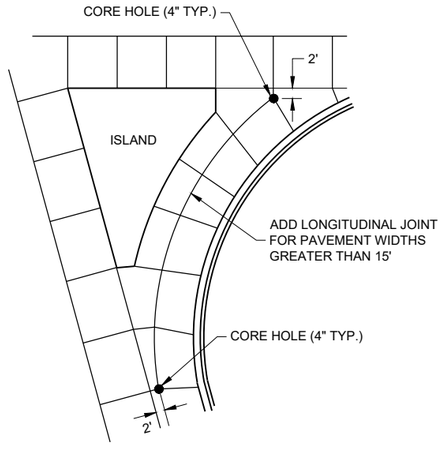
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6 ½"	12'
7", 7 ½"	14'
8" & ABOVE	15'



SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 13C18 - 07a

6

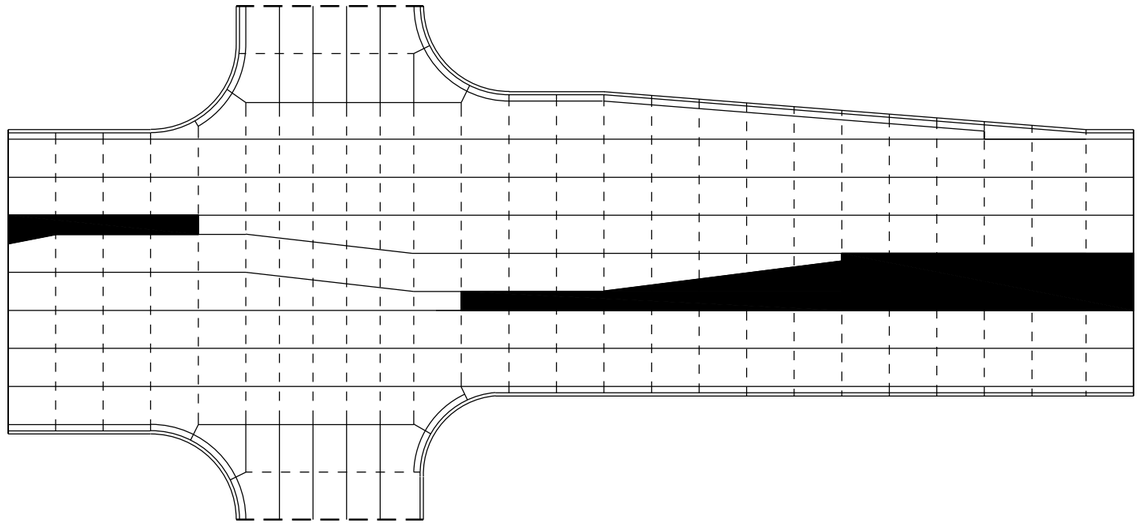
SDD 13C18 - 07a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

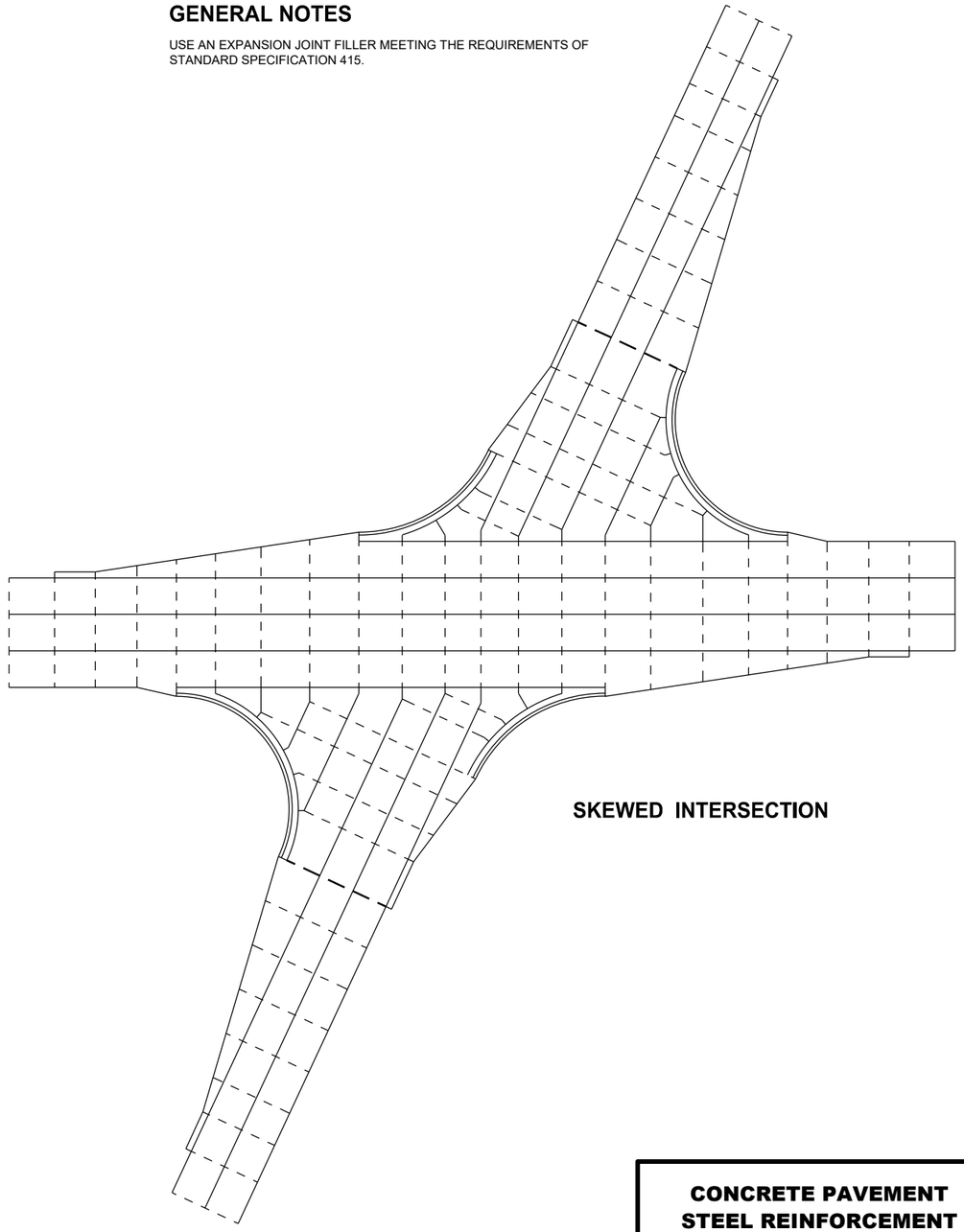
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

6

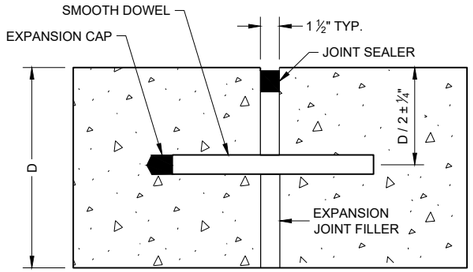
SDD 13C18 - 07b

CONCRETE PAVEMENT
STEEL REINFORCEMENT

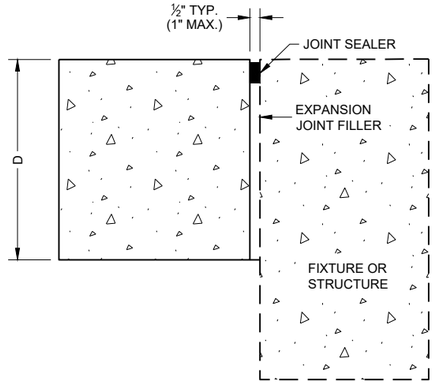
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 13C18 - 07b



DOWELED TRANSVERSE (1)



UNTIED - LONGITUDINAL

EXPANSION JOINTS

TIE BAR TABLE

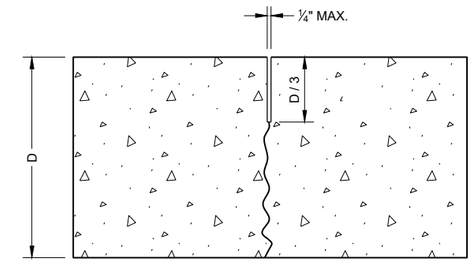
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

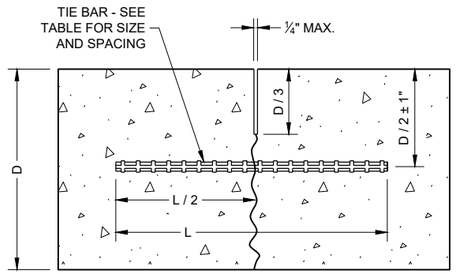
** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

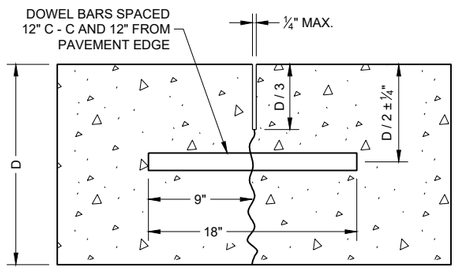
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATETHE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.
4. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
5. IF JOINT IS FORMED, PROVIDE A ¼" RADIUS.
6. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



UNDOWELED TRANSVERSE

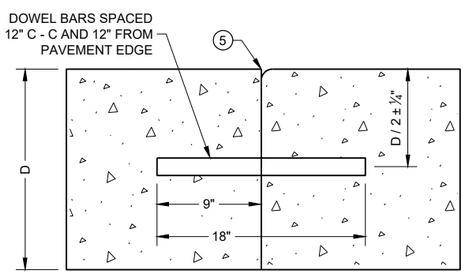


TIED LONGITUDINAL

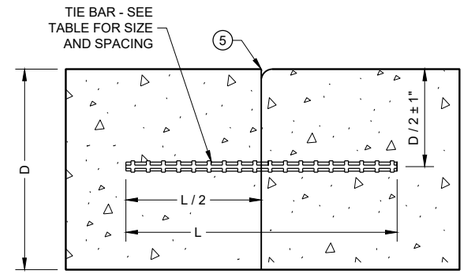


DOWELED TRANSVERSE

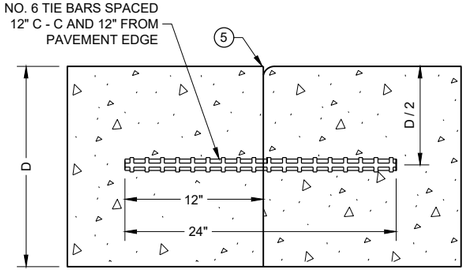
CONTRACTION JOINTS (2)



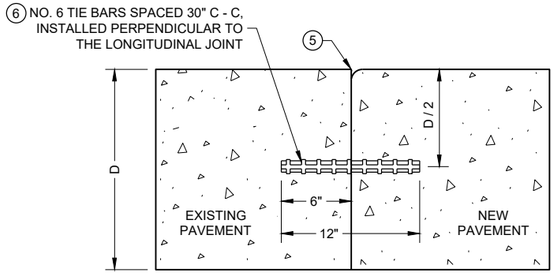
DOWELED TRANSVERSE (3)



TIED LONGITUDINAL



TIED TRANSVERSE (3)
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



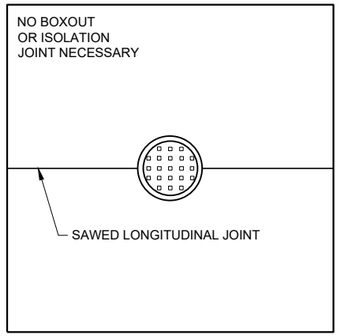
TIED LONGITUDINAL TO EXISTING

CONSTRUCTION JOINTS (4)

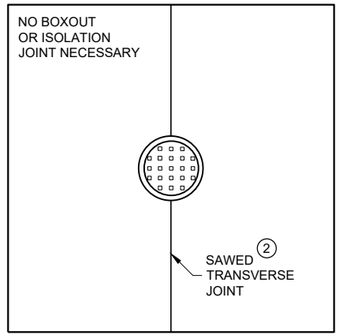
CONCRETE PAVEMENT JOINT TYPES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

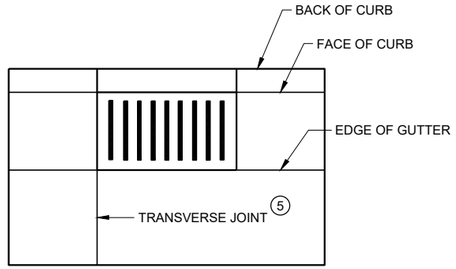
6
SDD 13C18 - 07c



MANHOLE WITH LONGITUDINAL JOINT



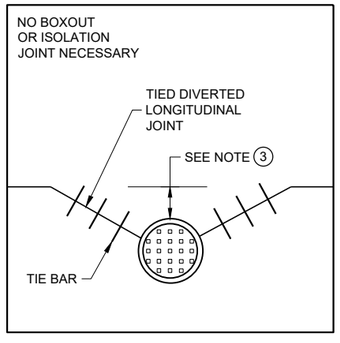
MANHOLE WITH TRANSVERSE JOINT



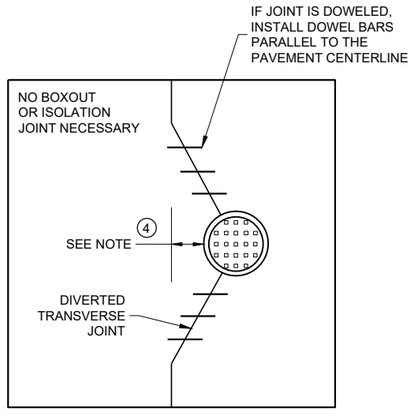
INLET WITH TRANSVERSE JOINT

GENERAL NOTES

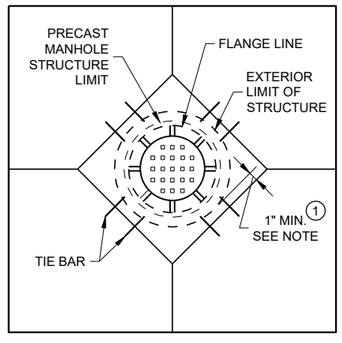
1. USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
2. ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
3. IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDINAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
4. IF THE DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS LESS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
5. ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT



DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVISOR

FHWA

6

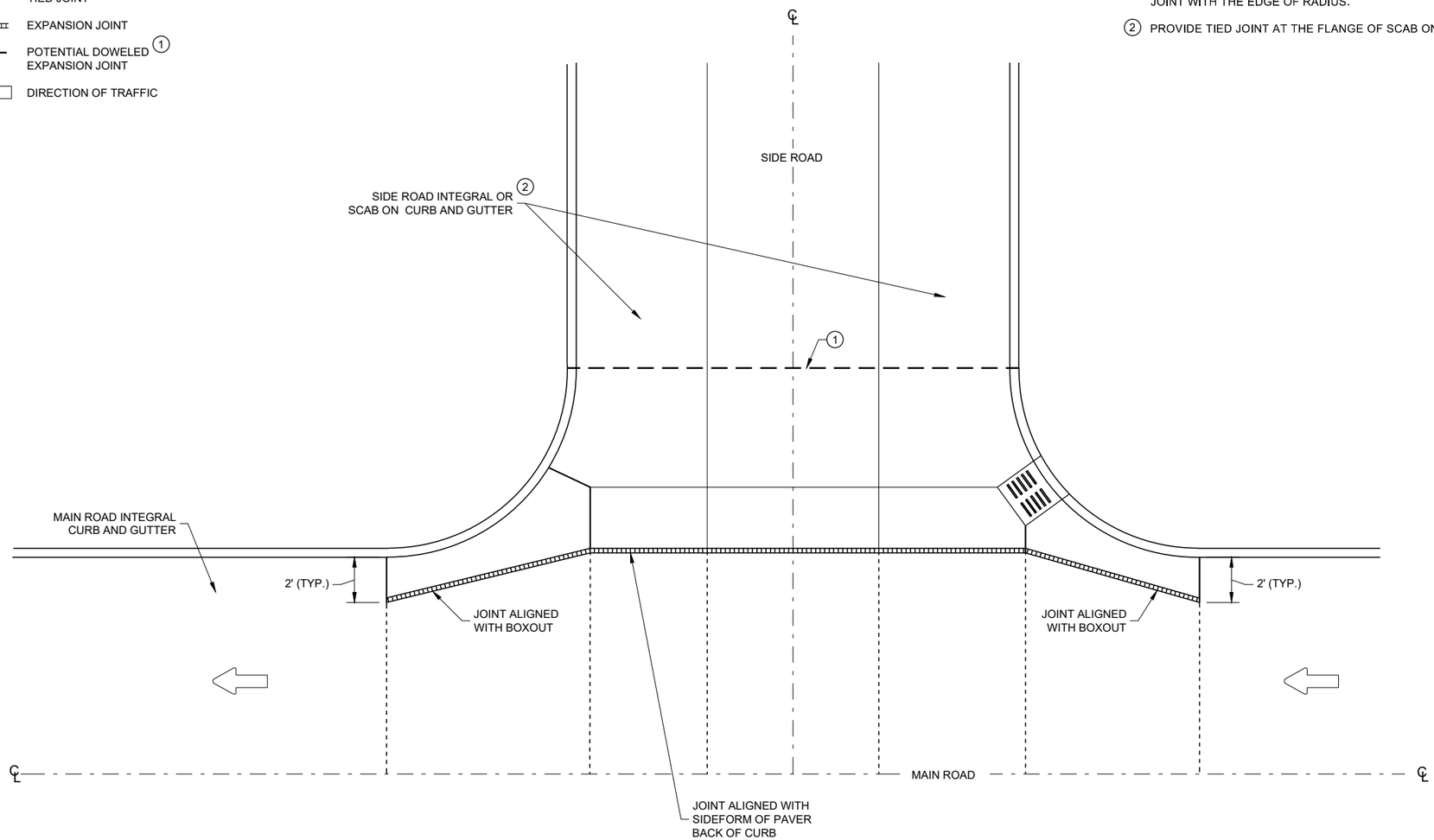
SDD13C18 - 07d

6

SDD13C18 - 07d

LEGEND

- DOWELED JOINT
- TIED JOINT
- EXPANSION JOINT
- POTENTIAL DOWELED EXPANSION JOINT (1)
- DIRECTION OF TRAFFIC



GENERAL NOTES

(1) CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH THE EDGE OF RADIUS.

(2) PROVIDE TIED JOINT AT THE FLANGE OF SCAB ON CURB IF SCAB ON CURB AND GUTTER IS USE.

INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER

6

SDD 13C18 - 07f

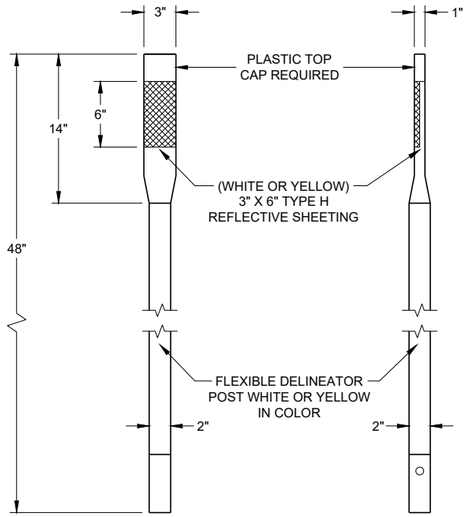
CONCRETE PAVEMENT INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER

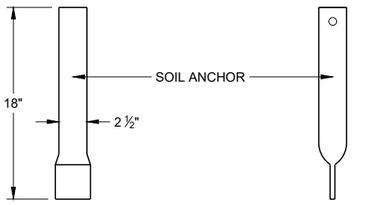
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE
/S/ Peter Kemp P.E.
ROADWAY STANDARDS DEVE ENGINEER

FHWA

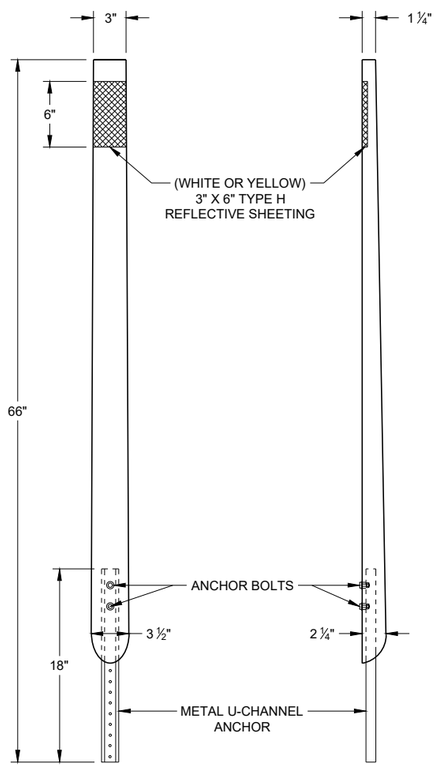
6
SDD 13C18 - 07f





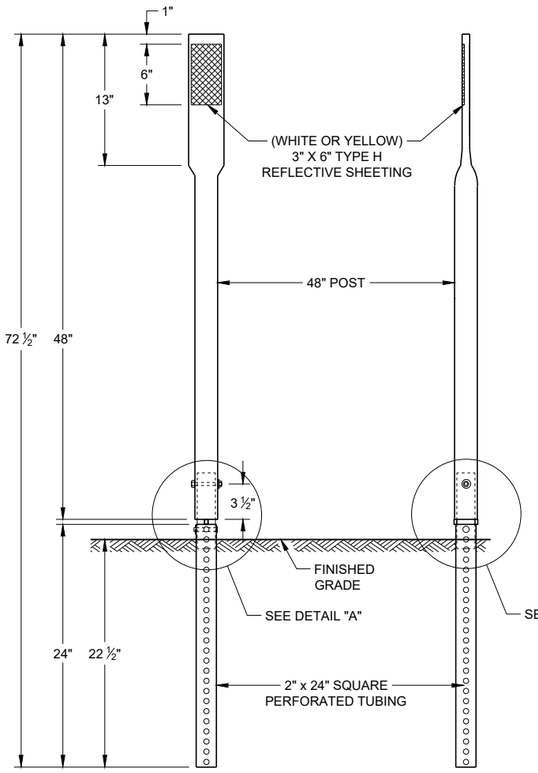
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

ALTERNATE 2



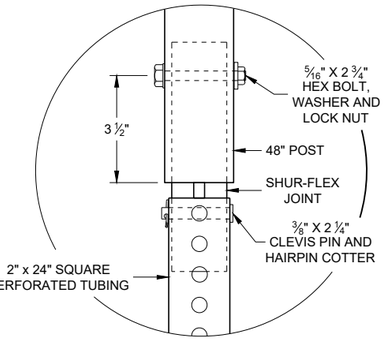
FRONT VIEW SIDE VIEW

ALTERNATE 3

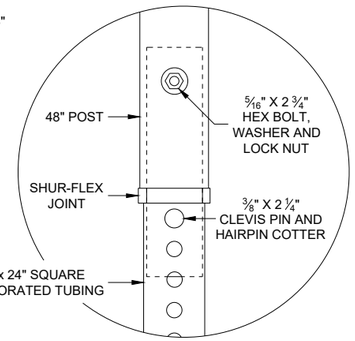
FLEXIBLE DELINEATOR POSTS

GENERAL NOTES

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



DETAIL A

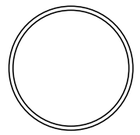


DETAIL B

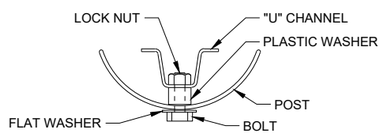
REFLECTOR SPACING TABLE

REFLECTOR SPACING	LOCATION
* 100' C-C	RAMPS
400' C-C	MAINLINE

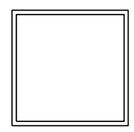
* START AT BEGINNING OF RAMP TAPER AND END AT END OF RAMP TAPER



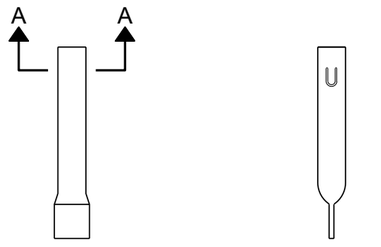
SECTION A - A



SECTION B - B

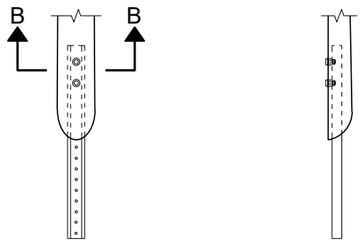


SECTION C - C



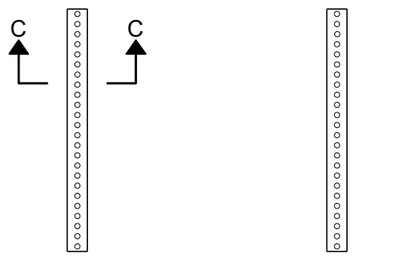
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

ALTERNATE 2



FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS

FLEXIBLE DELINEATOR POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

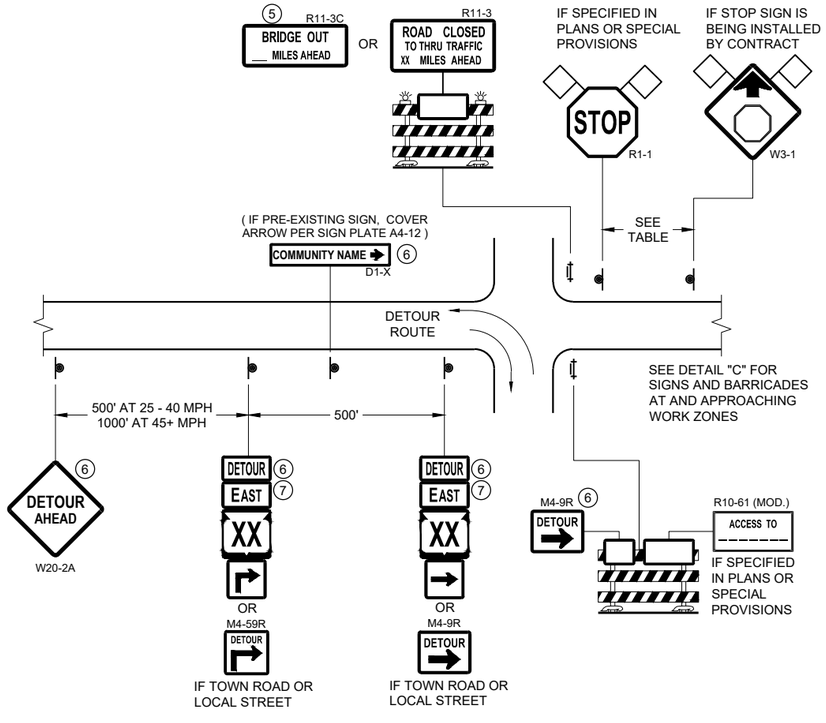
APPROVED
May 2021 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MAF ENGINEER

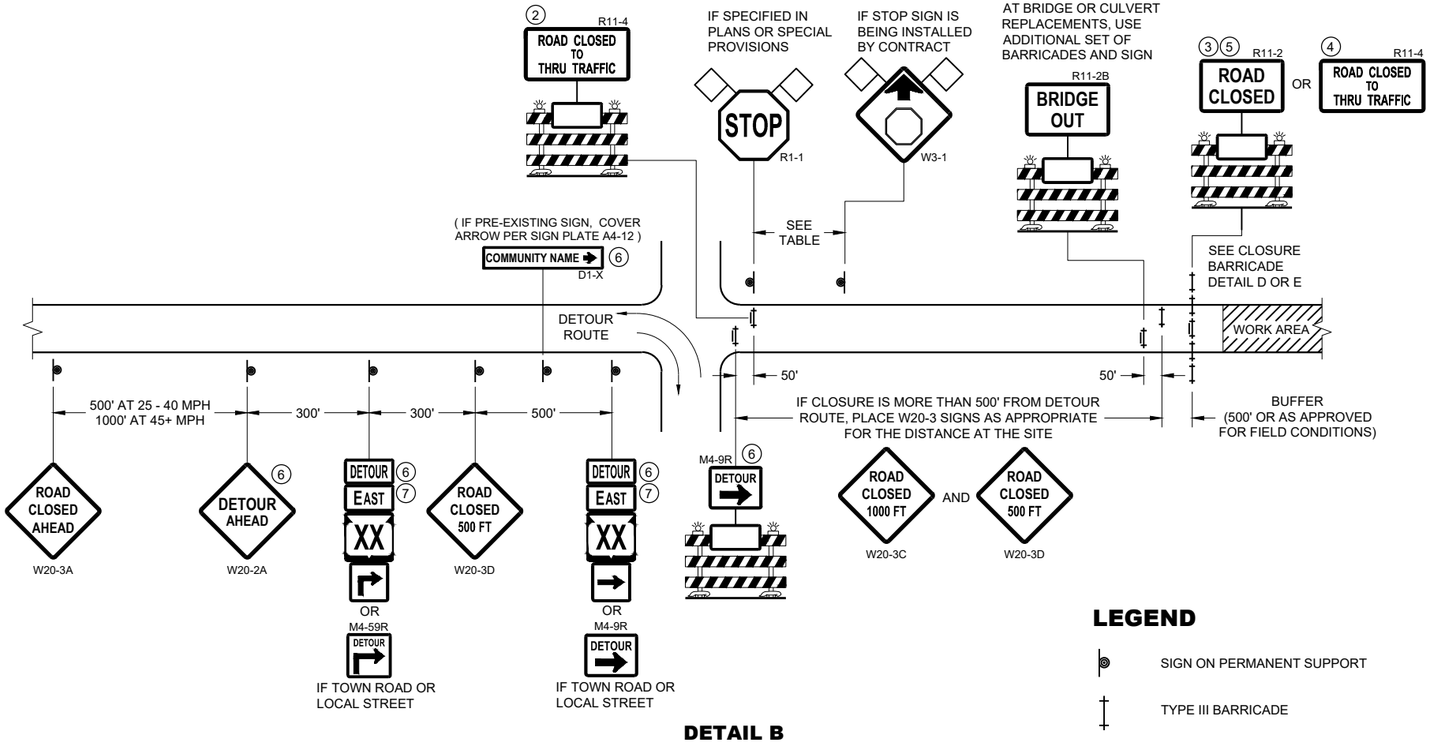
FHWA

6

SDD 15A04 - 06a

SDD 15A04 - 06a



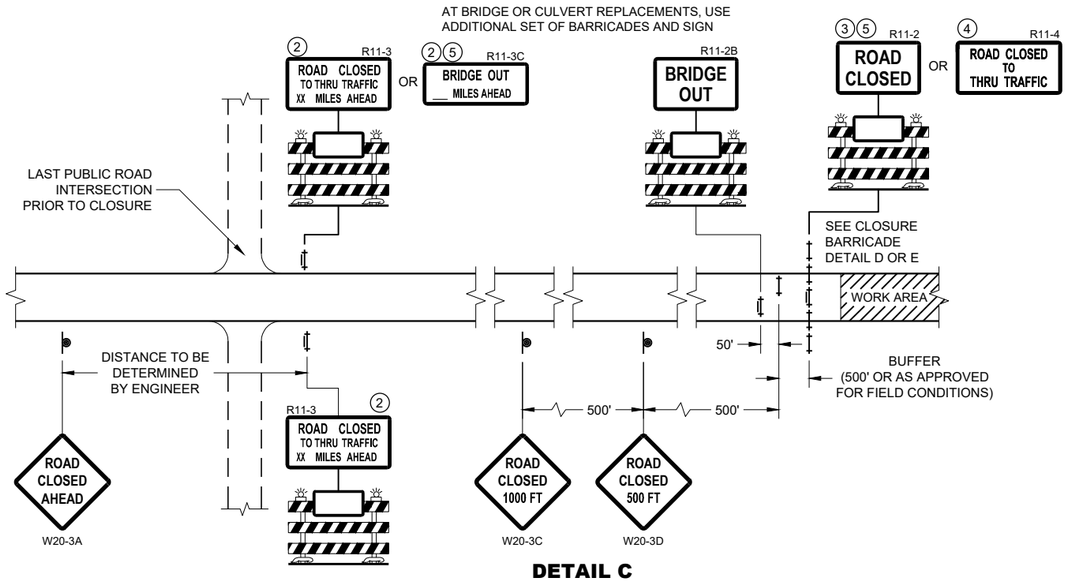


DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b" FOR GENERAL NOTES AND FOOTNOTES ① THROUGH ⑦

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

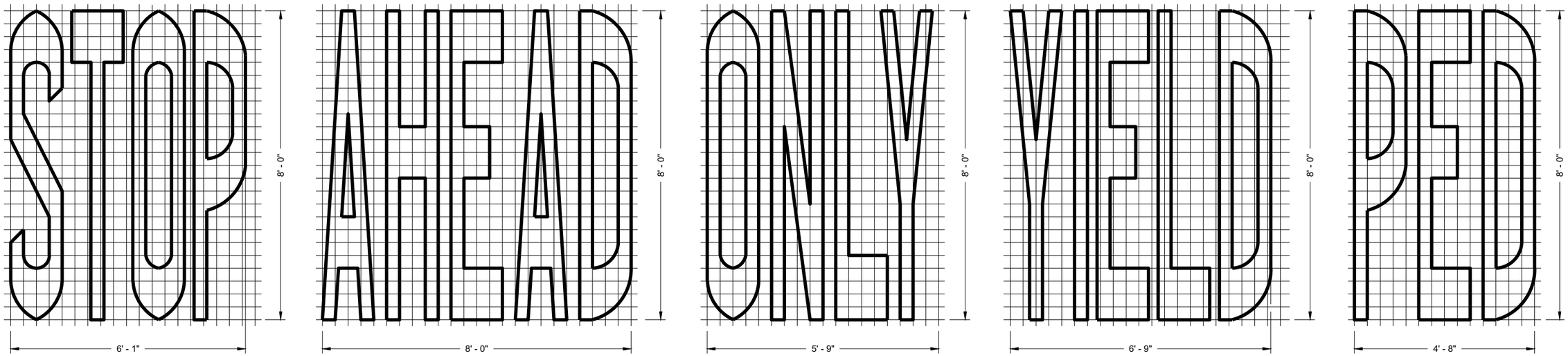
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

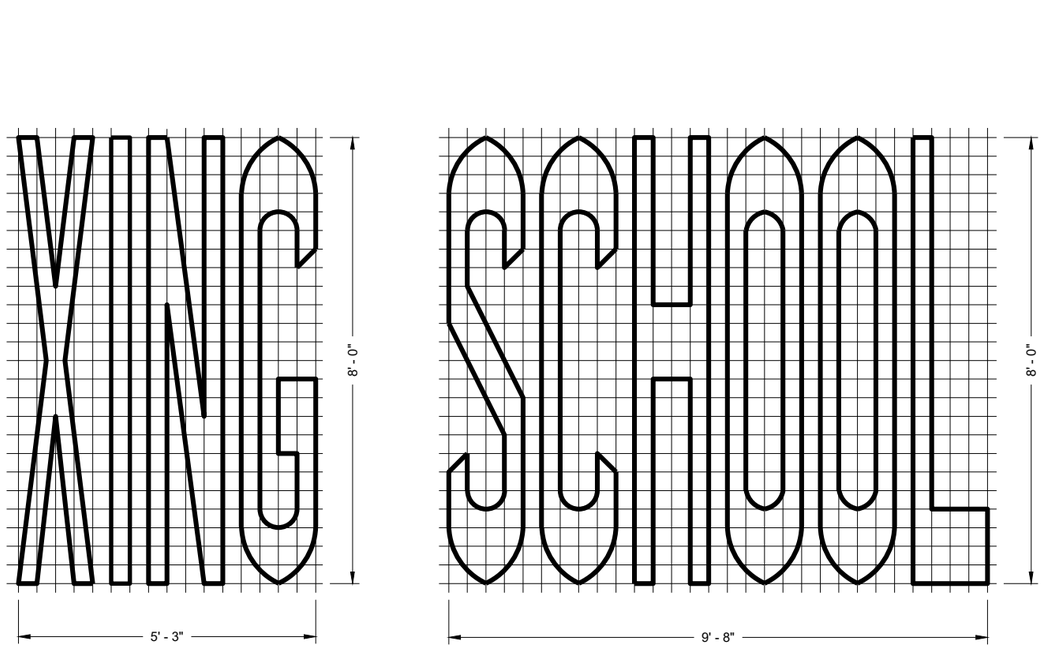
APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

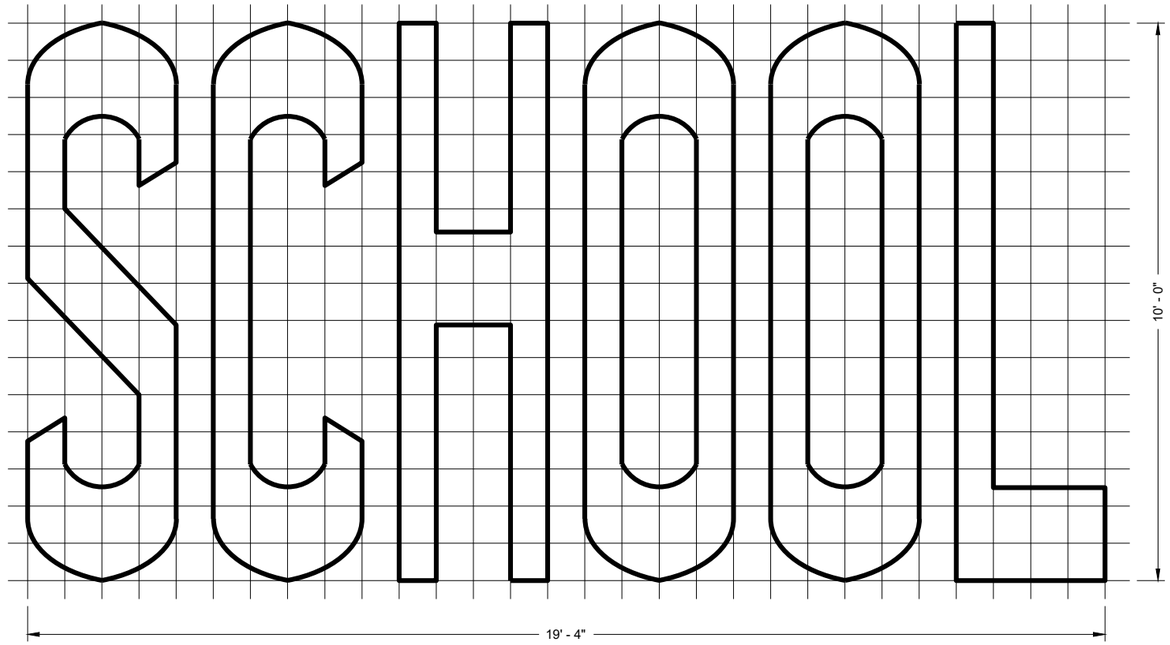
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SDD 15C02 - 08a





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

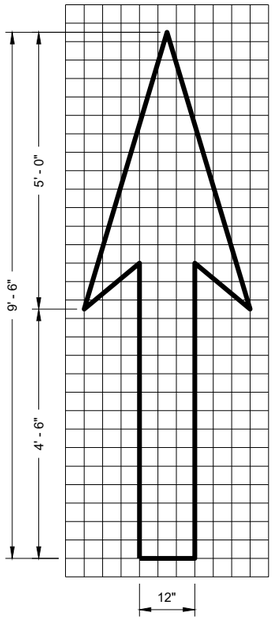
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SDD 15C07 - 15b

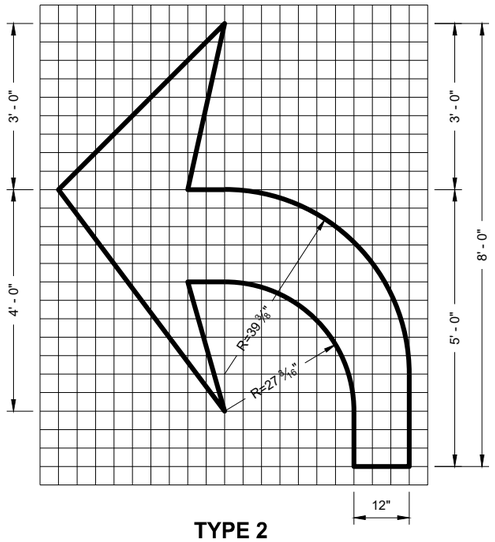
SDD 15C07 - 15b

GENERAL NOTES

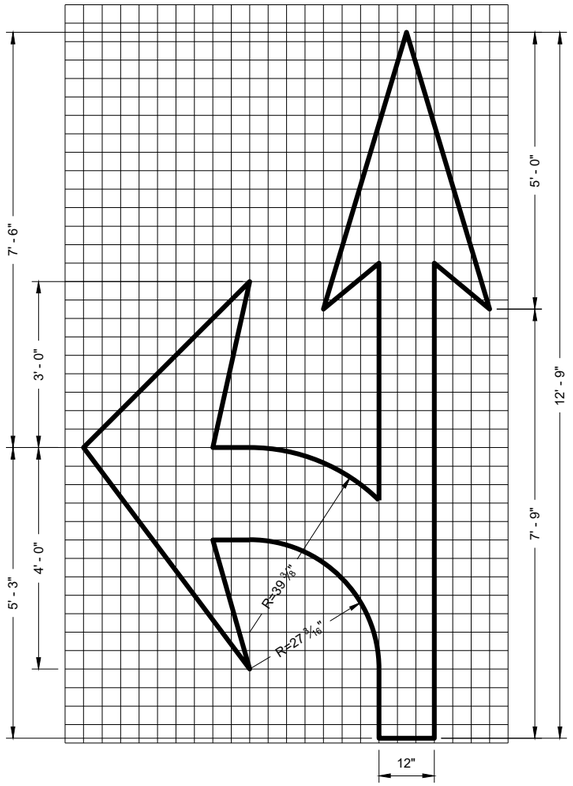
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



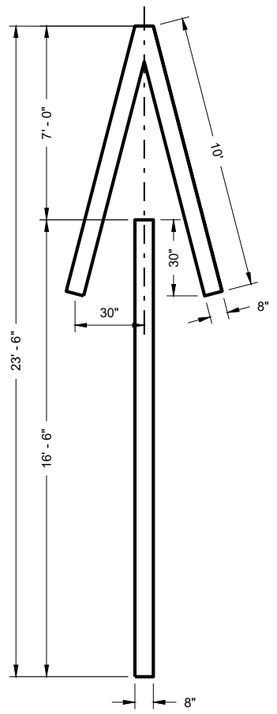
TYPE 1



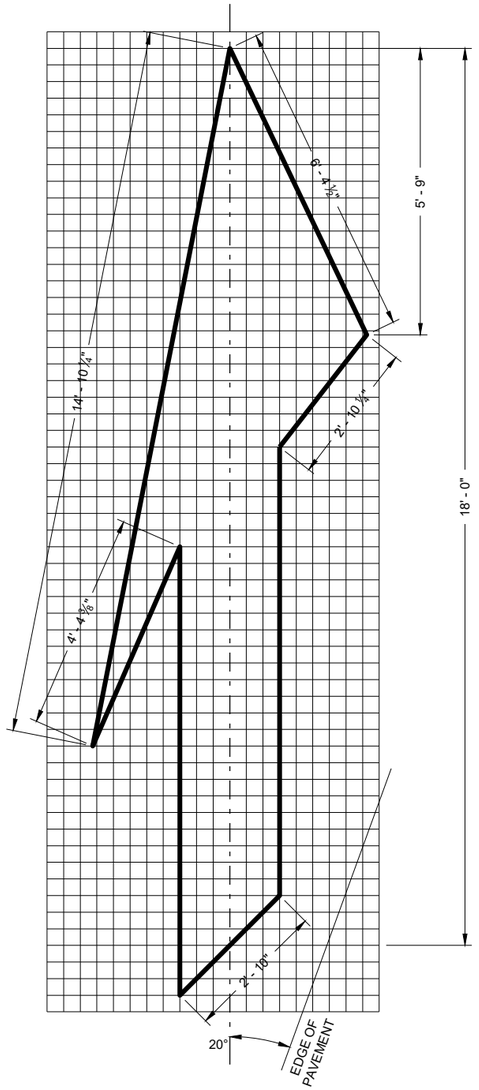
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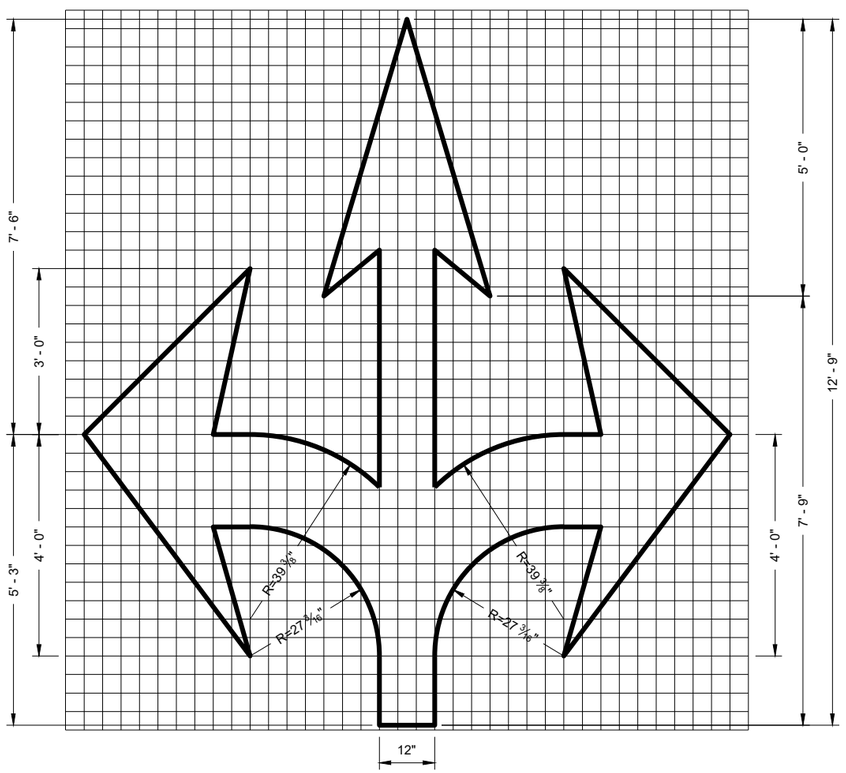
TYPE 3



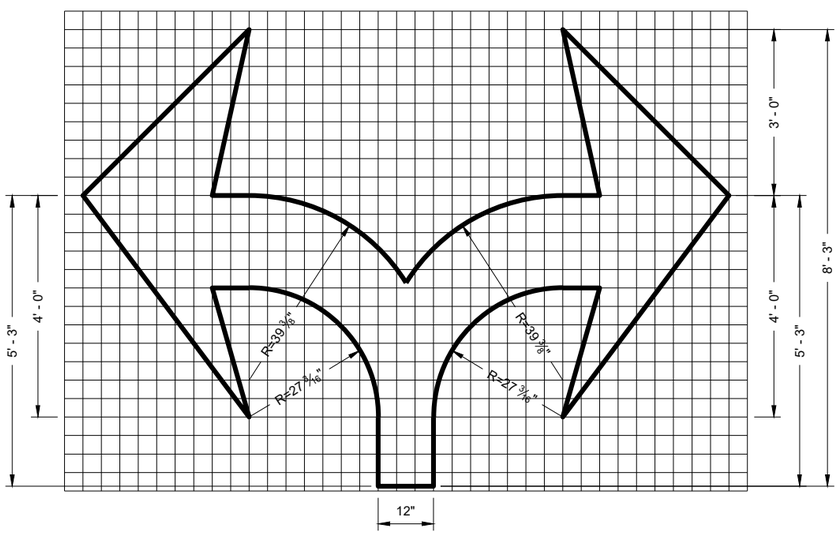
TYPE 4



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

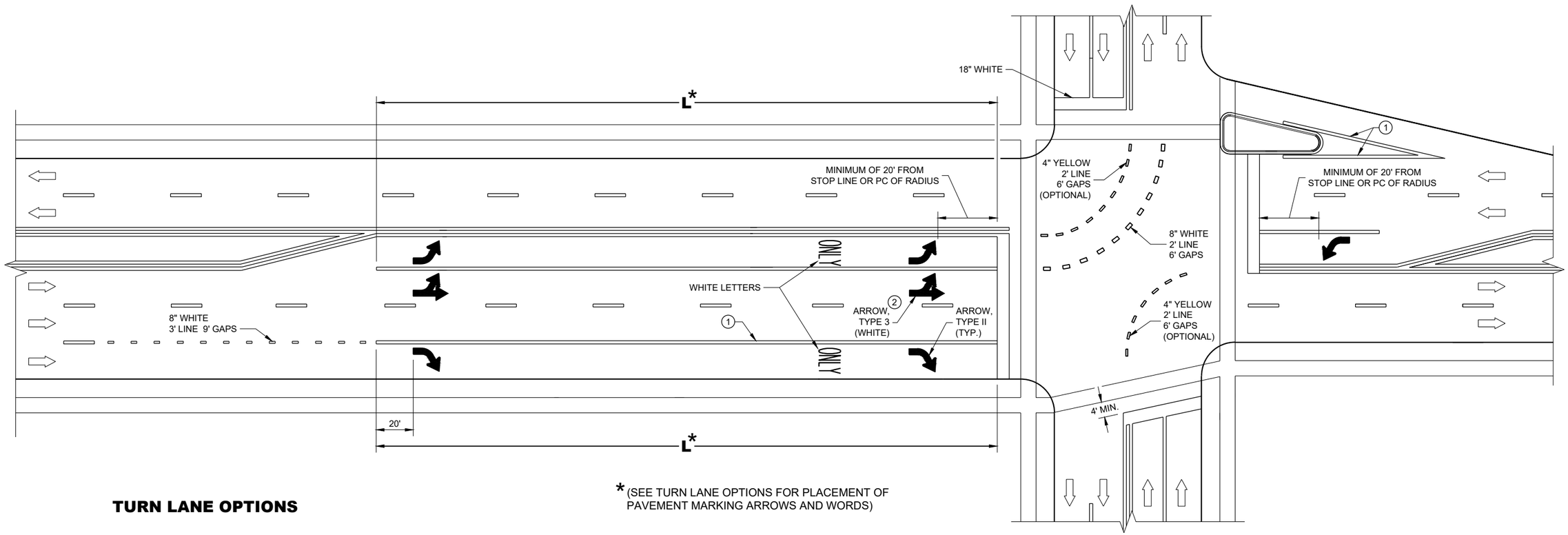
FHWA

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SDD 15C07 - 15c

6

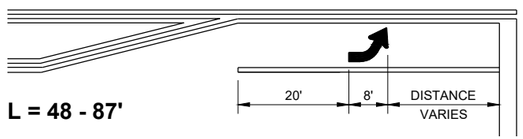
SDD 15C07 - 15c



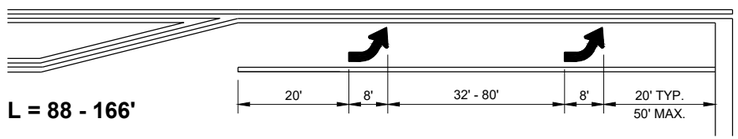
* (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

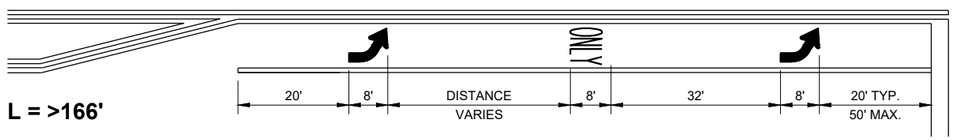
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



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)

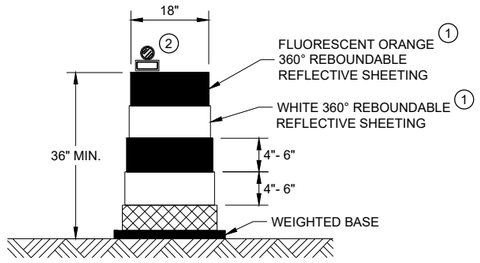
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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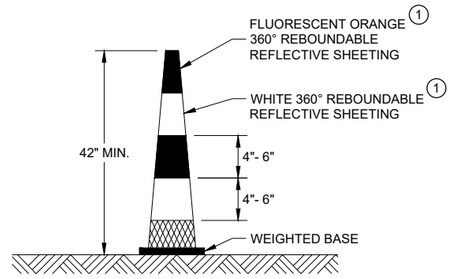
SDD 15C08 - 20c

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.

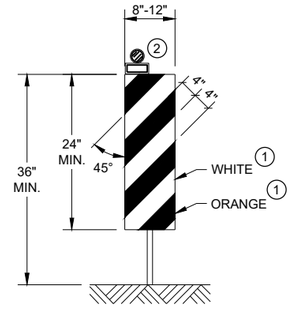


DRUM



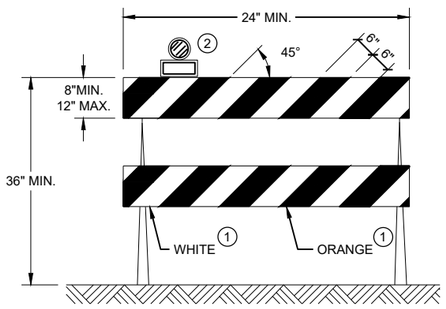
42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS



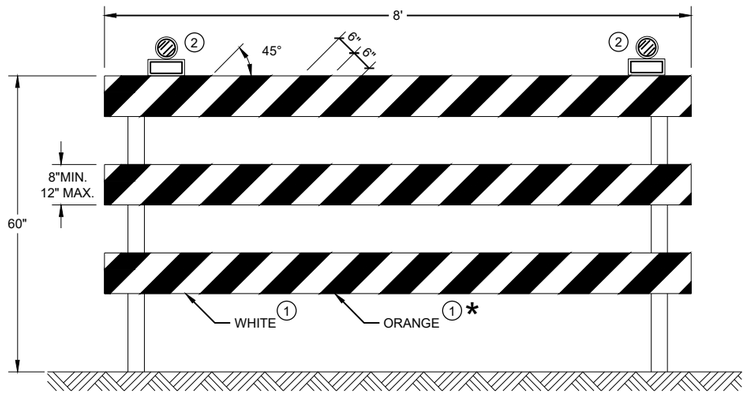
VERTICAL PANEL

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

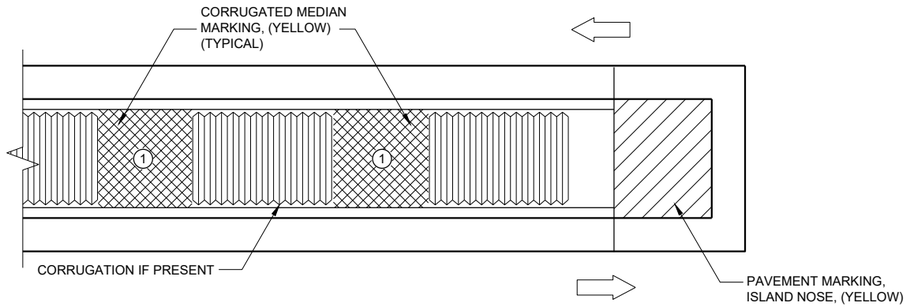
APPROVED
May 2021
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

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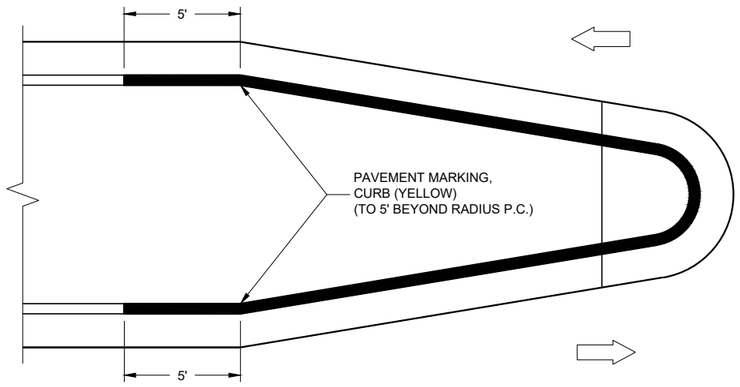
SDD15C11 - 09b

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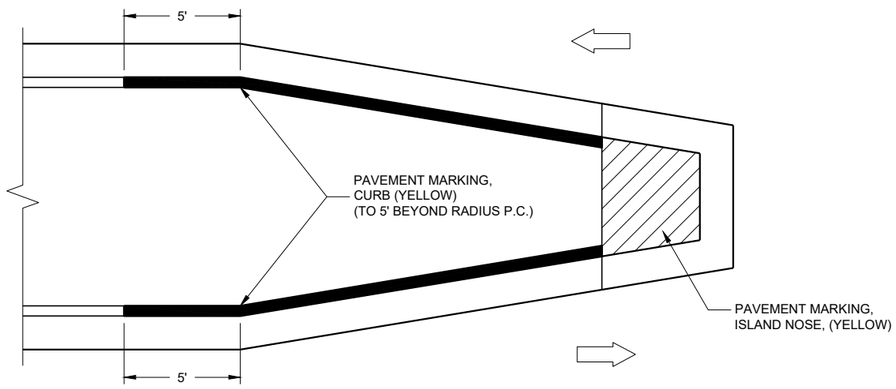
SDD15C11 - 09b



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 MAF ENGINEER

FHWA

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SDD 15C18 - 05b

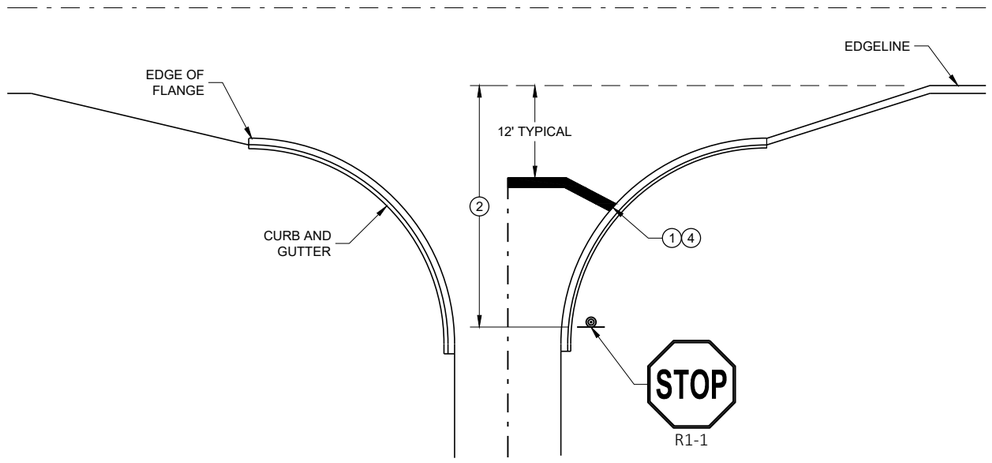
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SDD15C18 - 05b

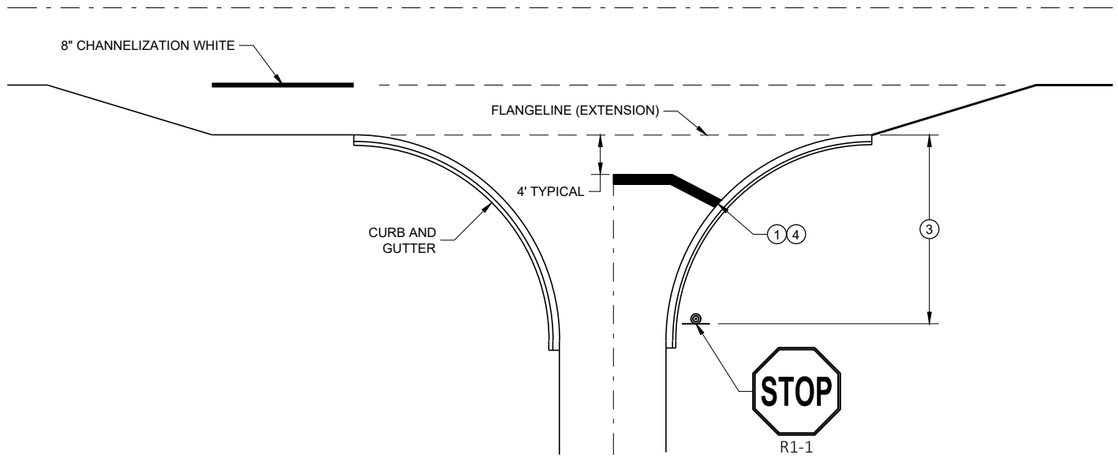
GENERAL NOTES

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

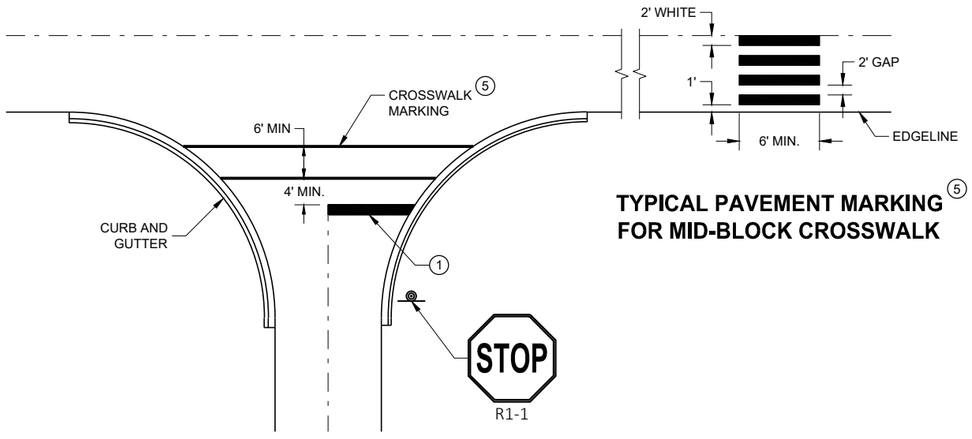
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE 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

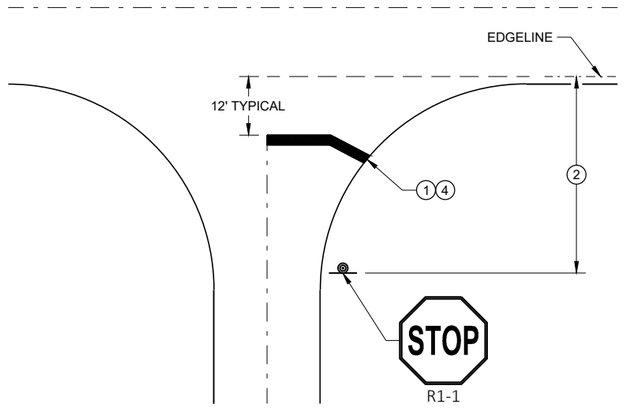


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



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 MARKING ENGINEER
FHWA

6
SDD 15C33 - 04

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- REMOVE PAVEMENT MARKING (SEE GENERAL NOTES)
- WORK AREA

GENERAL NOTES

FOR WORK ON ROADWAYS WITH SPEEDS GREATER THAN 45MPH, USE SDD 15D12.

THIS LANE CLOSURE DETAIL IS TYPICAL FOR CLOSING THE LEFT LANE. FOR A RIGHT LANE CLOSURE, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

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

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON TEMPORARY SUPPORTS.

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

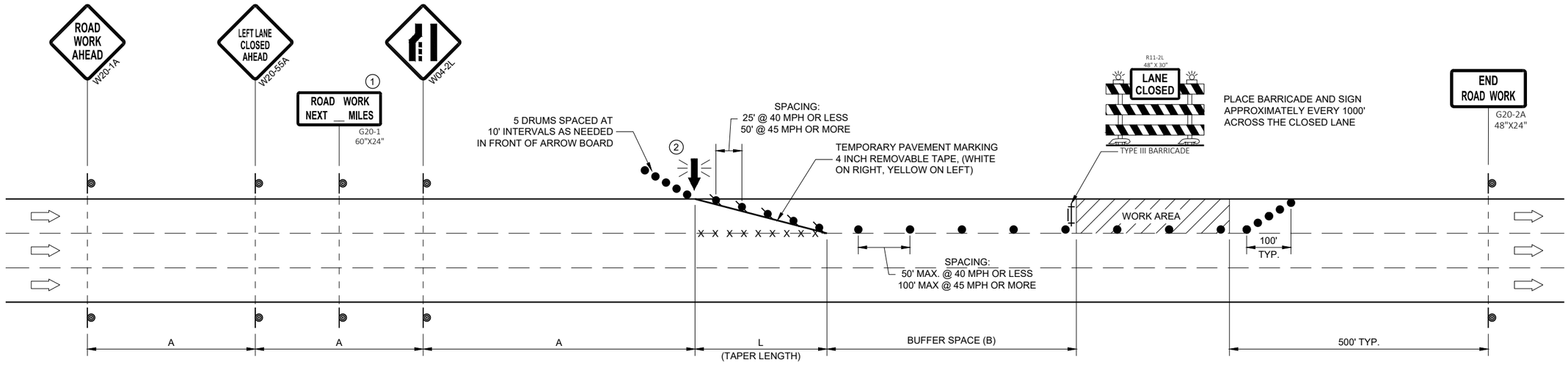
BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

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

(1) OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

(2) WHERE THE SHOULDER OR TERRACE HAS INSUFFICIENT SPACE TO PLACE THE ARROW BOARD AS SHOWN, PLACE THE ARROW BOARD AT THE END OF THE TAPER.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'

TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020
DATE
/S/ Andrew Heidtke
STATEWIDE WORK ZONE T SAFETY ENGINEER

FHWA

6

SDD 15D20 - 05a

6

SDD15D20 - 05a

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- REMOVE PAVEMENT MARKING (SEE GENERAL NOTES)
- WORK AREA



GENERAL NOTES

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

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

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON TEMPORARY SUPPORTS.

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REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

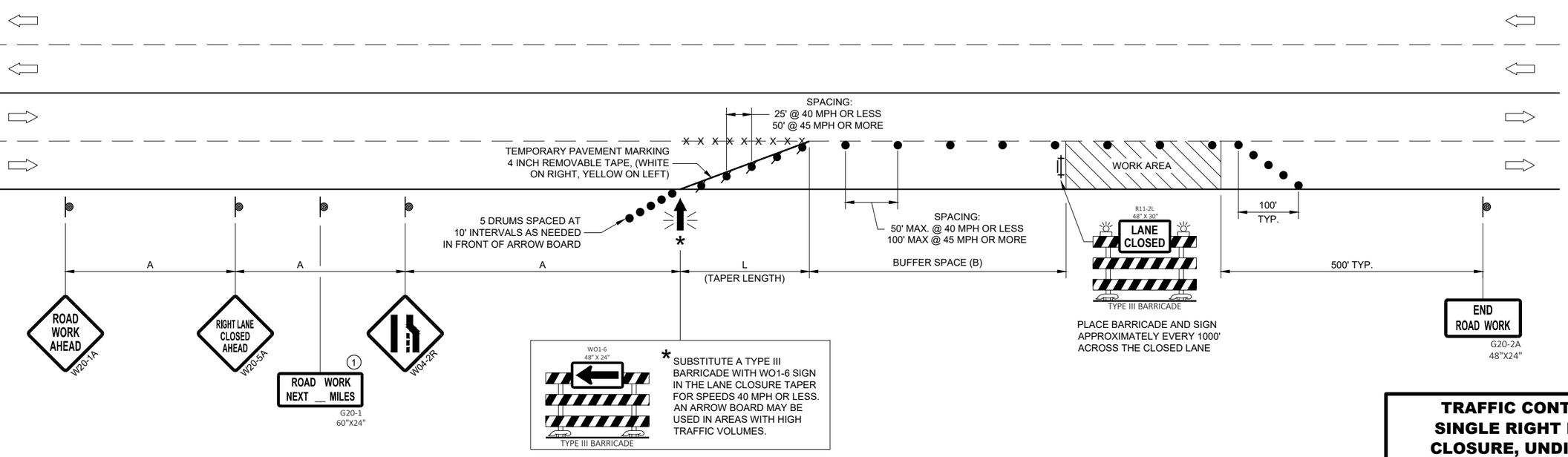
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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

(1) OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'
50	500'	600'	280'
55	500'	660'	335'





TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

May 2020
DATE

/S/ Andrew Heidtke
STATEWIDE WORK ZONE T SAFETY ENGINEER

FHWA

SDD 15D20 - 05b

SDD 15D20 - 05b

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- REMOVE PAVEMENT MARKING (SEE GENERAL NOTES)
- WORK AREA

GENERAL NOTES

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

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

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON TEMPORARY SUPPORTS.

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

DUE TO LACK OF SHOULDER/MEDIAN, ARROW BOARD IS PLACED AT THE THE END OF THE TAPER.

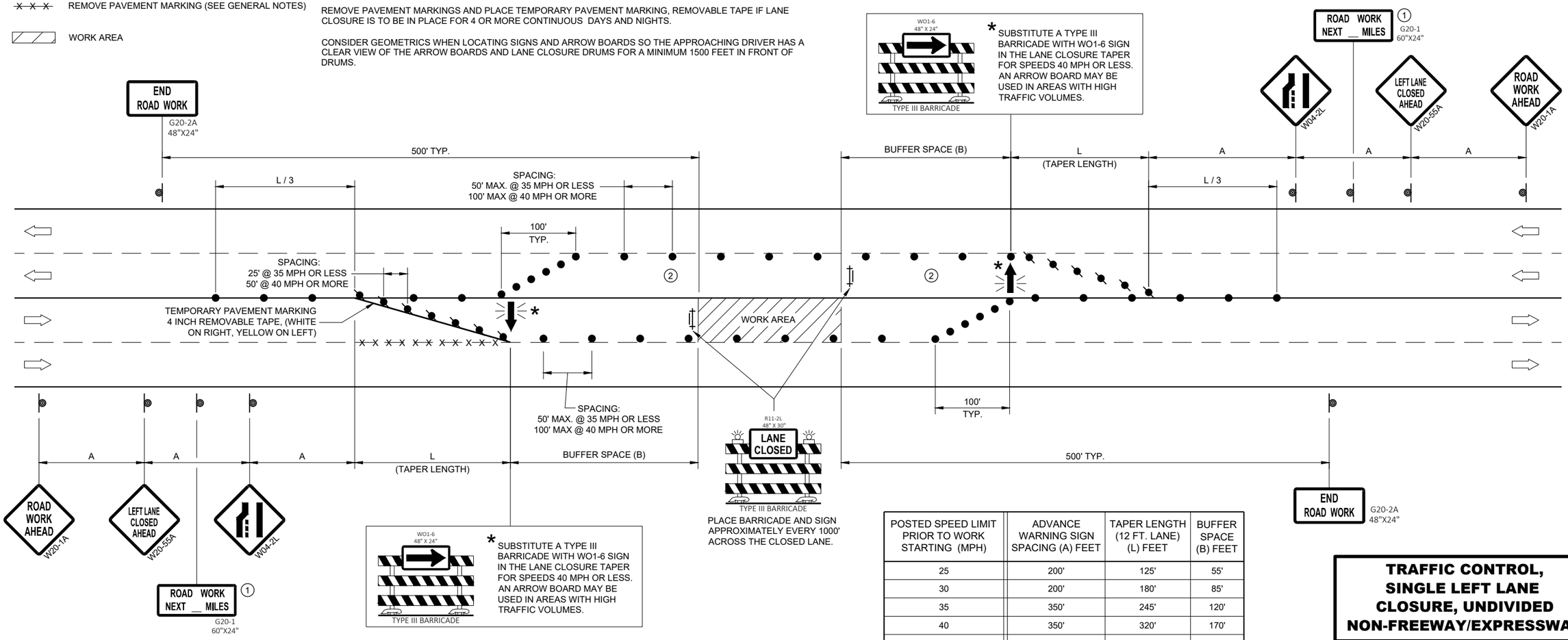
BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

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

(1) OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

(2) LANE MAY BE OPENED WHEN WORKERS ARE NOT PRESENT IN THE WORK AREA.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'
50	500'	600'	280'
55	500'	660'	335'

TRAFFIC CONTROL, SINGLE LEFT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

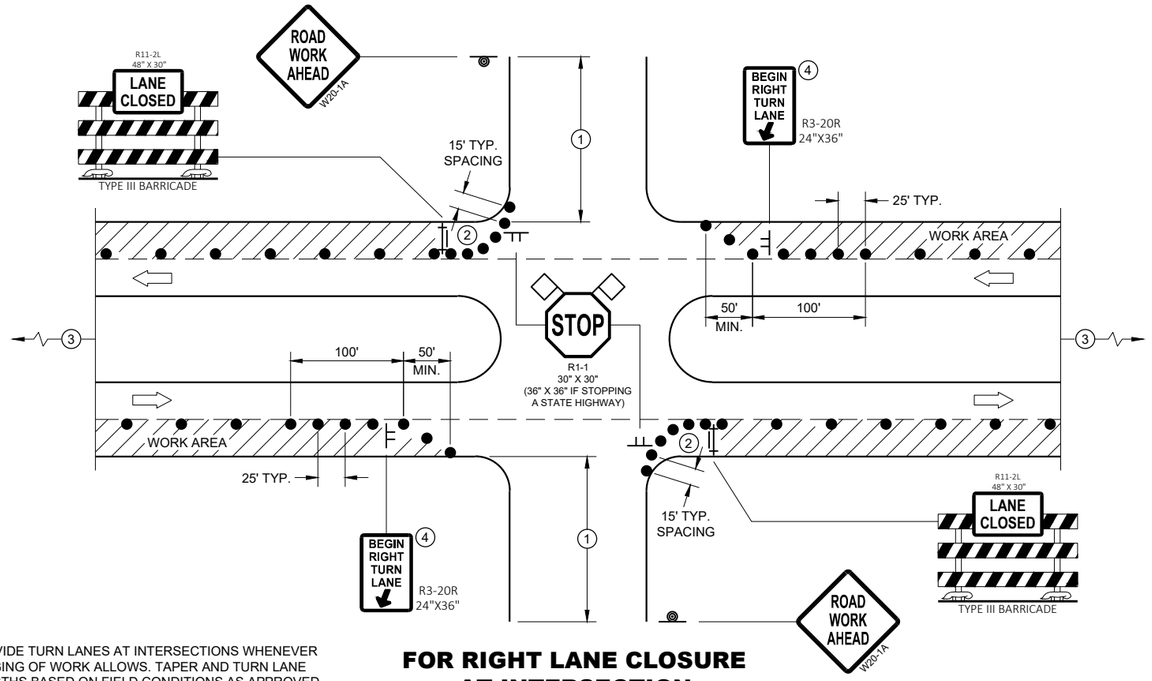
APPROVED
May 2020 — DATE
/S/ Andrew Heidtke — STATEWIDE WORK ZONE T SAFETY ENGINEER
FHWA

6

SDD 15D20 - 05c

6

SDD 15D20 - 05c



PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

FOR RIGHT LANE CLOSURE AT INTERSECTION

GENERAL NOTES

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

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

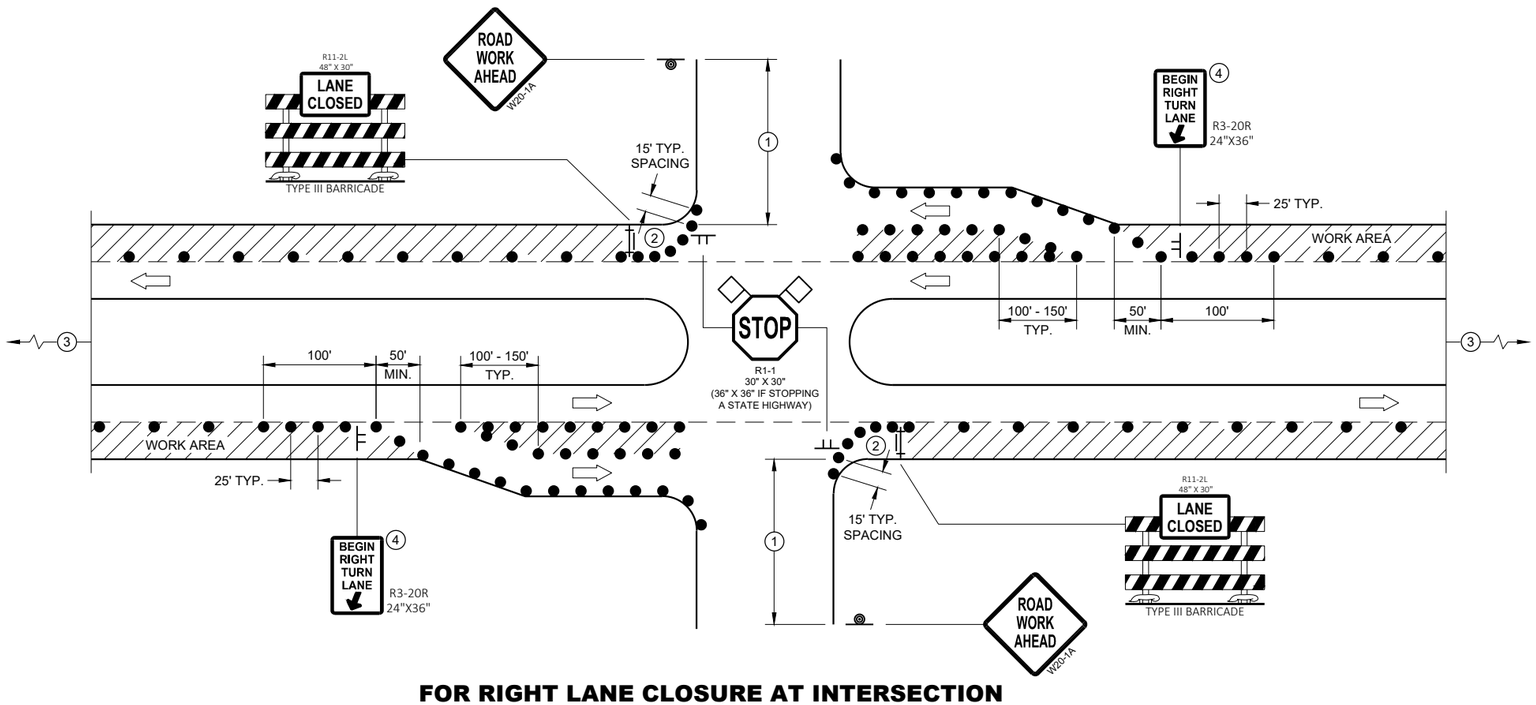
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.



FOR RIGHT LANE CLOSURE AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

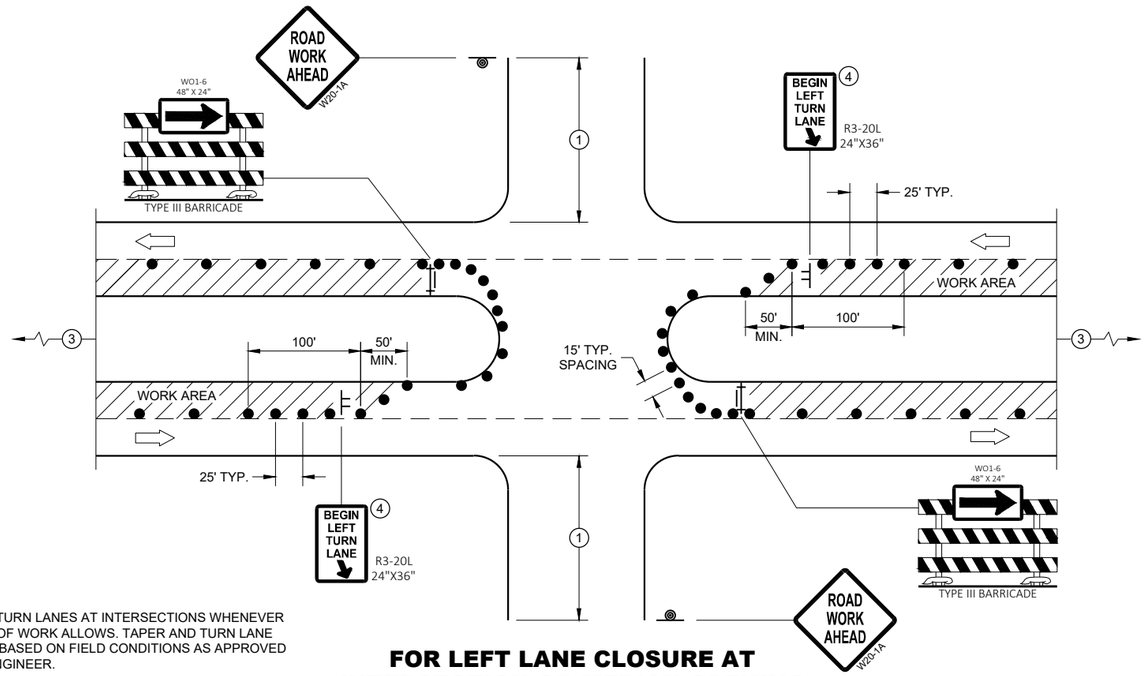
TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D21 - 07a

SDD 15D21 - 07a



PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING

GENERAL NOTES

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

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

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SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

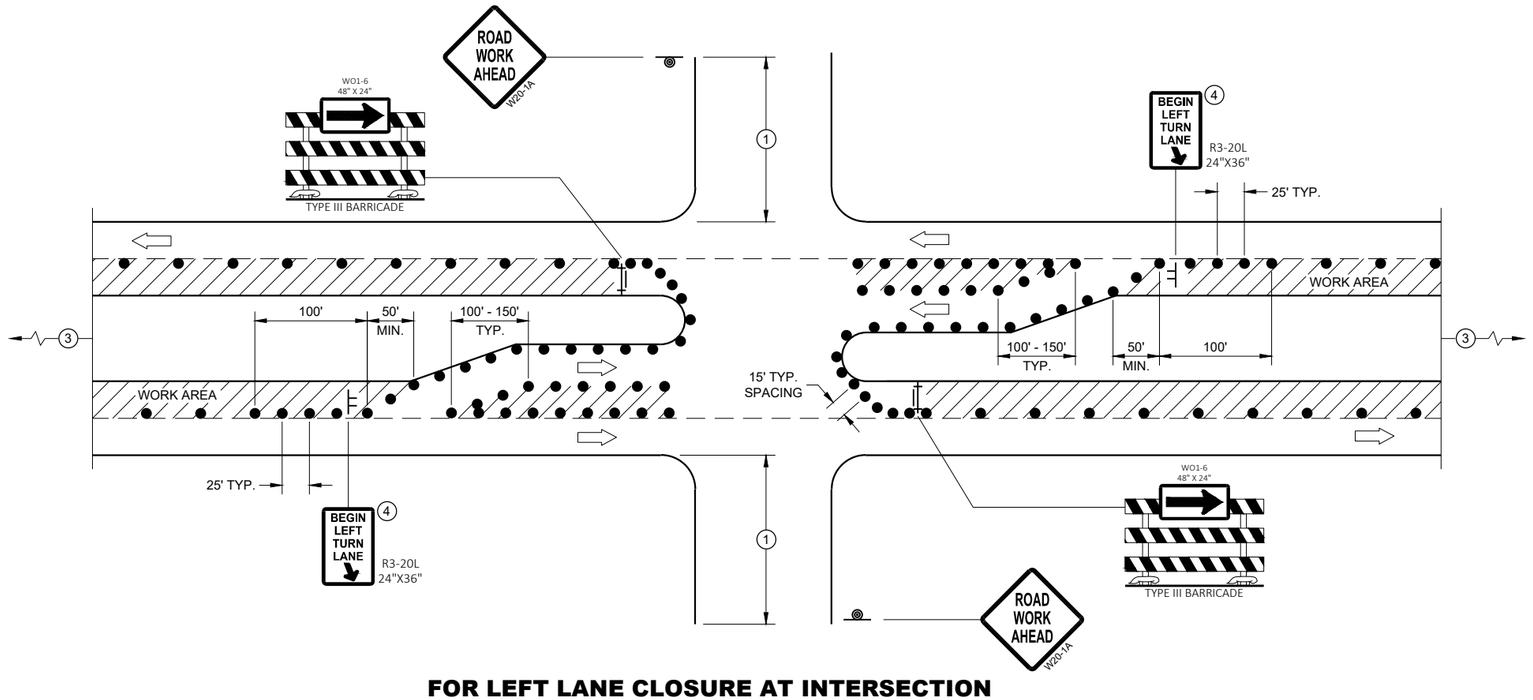
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.



FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING (WITH LEFT TURN BAY OPEN)

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

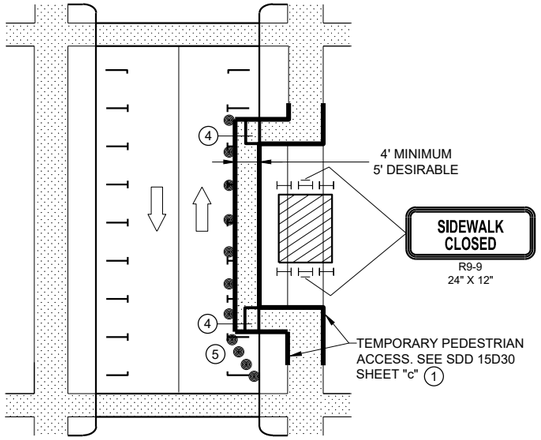
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SDD 15D21 - 07b

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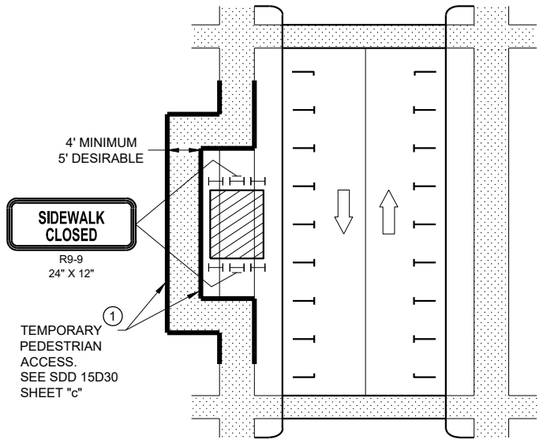
SDD 15D21 - 07b

NOTE: MAY BE USED ON ROADWAY WITH POSTED SPEED OF LESS THAN 40 MPH.

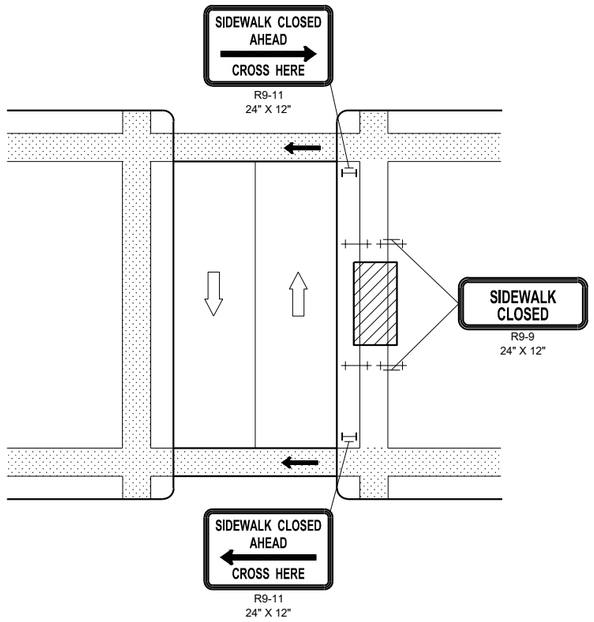


MID-BLOCK SIDEWALK CLOSURE IN PARKING LANE

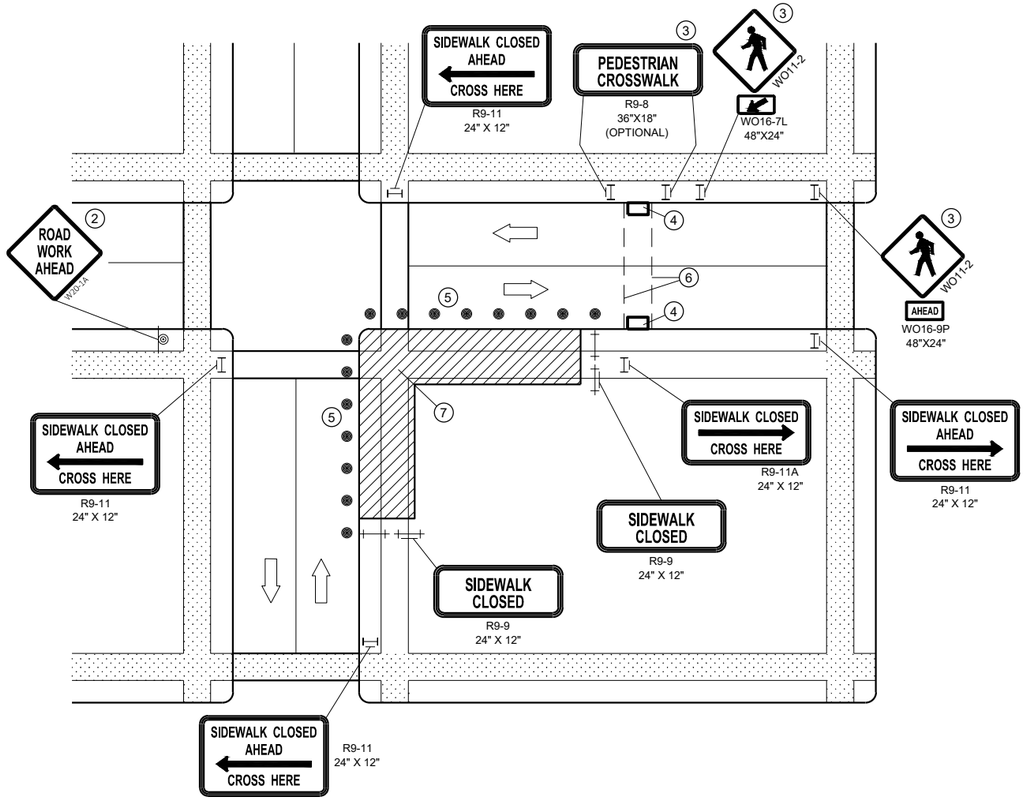
NOTE: LAYOUT SAME AS ABOVE.



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.

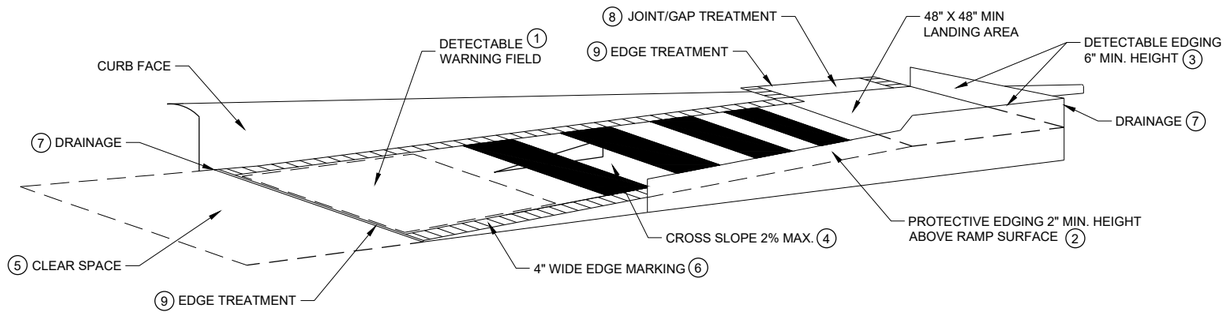
ALTERNATE SIDEWALK WORK BETWEEK LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

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.

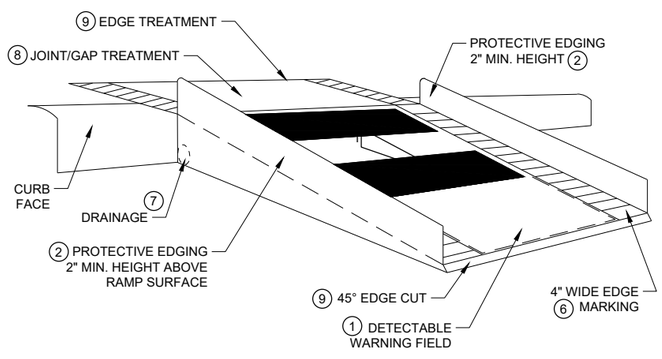
LEGEND

- 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

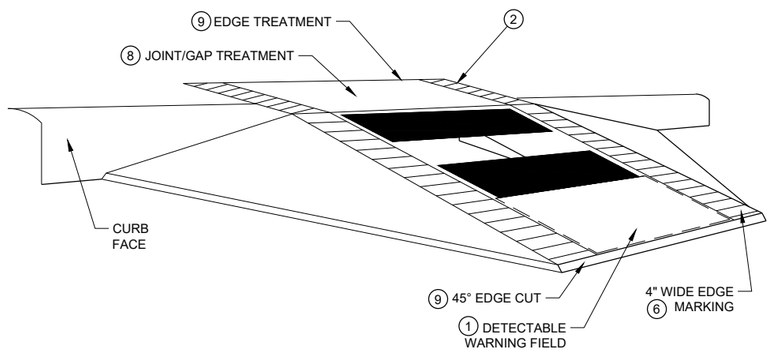
TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION



TEMPORARY CURB RAMP PARALLEL TO CURB



WITH PROTECTIVE EDGE



WITH SIDE APRON

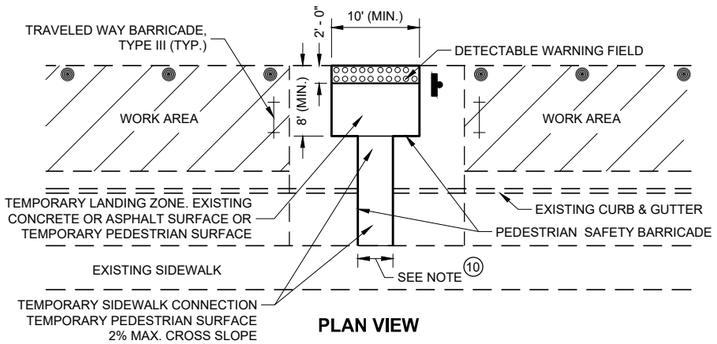
TEMPORARY CURB RAMP PERPENDICULAR TO CURB

GENERAL NOTES

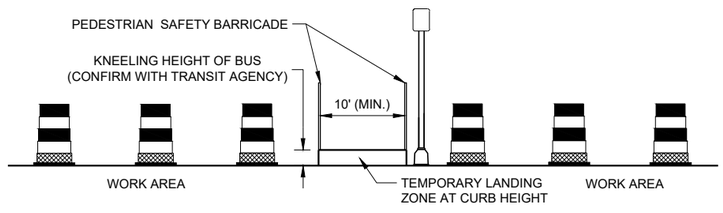
NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

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

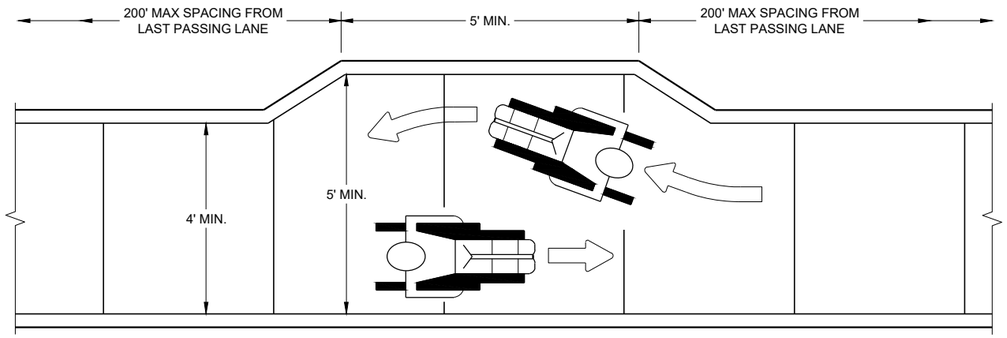
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- WORK AREA

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

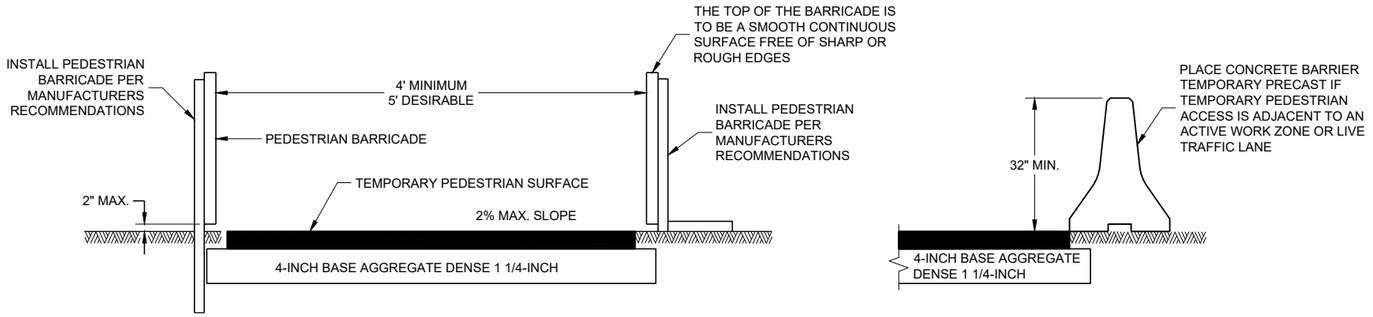
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA

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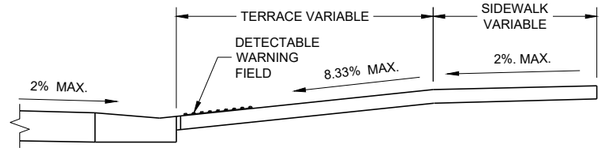
SDD 15D30 - 06b



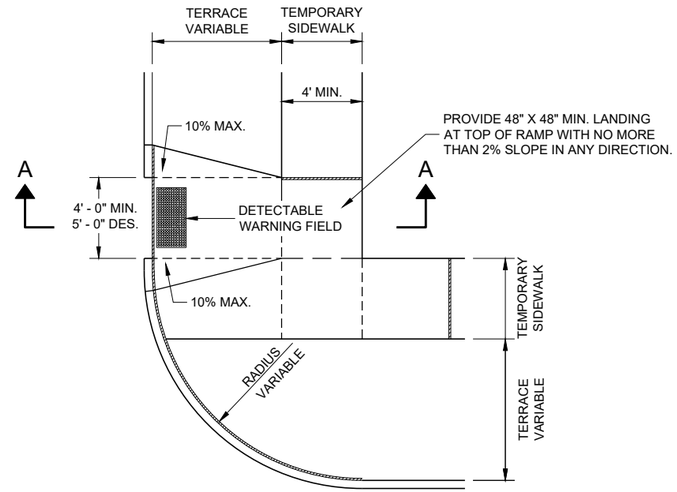
NARROW SIDEWALK PASSING DETAIL



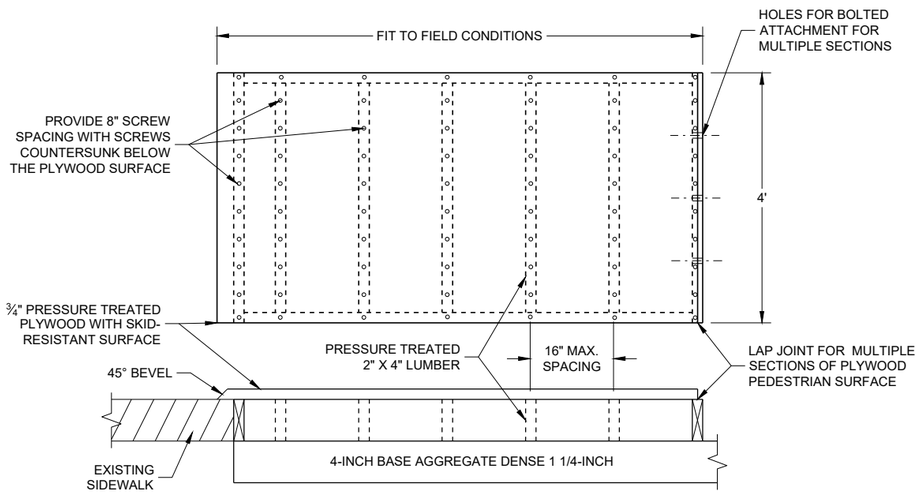
TEMPORARY PEDESTRIAN ACCESS



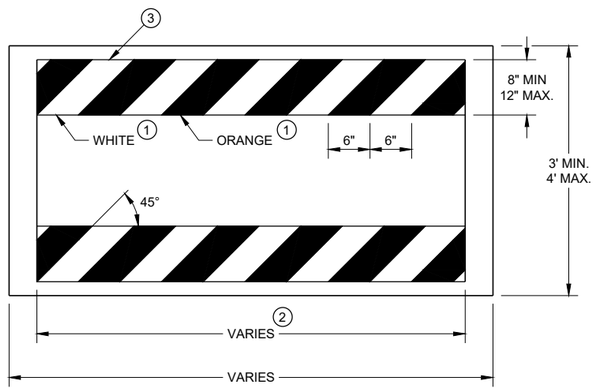
SECTION A - A



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

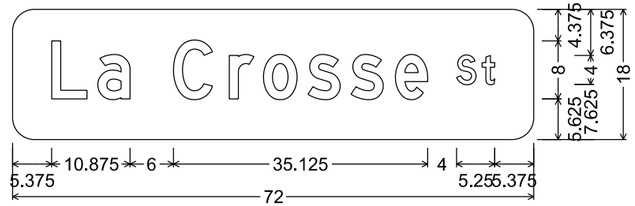
FHWA

SDD 15D30 - 06c

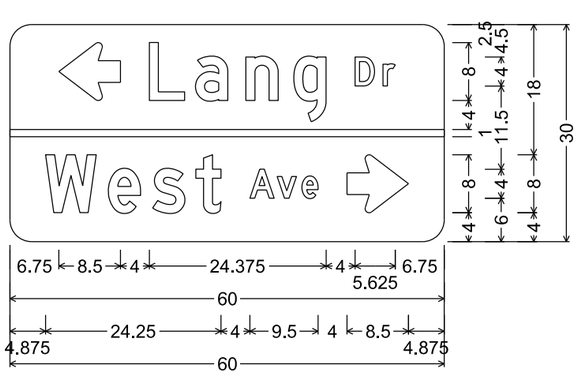
SDD 15D30 - 06c

NOTES

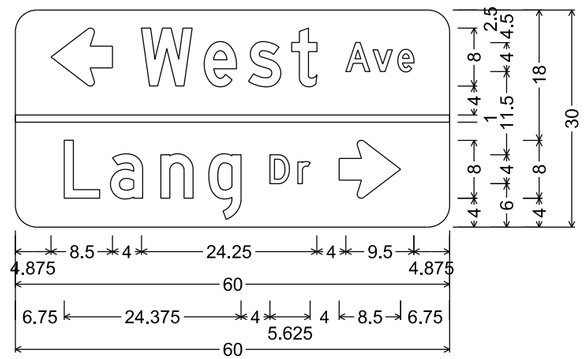
1. Signs are Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - D



M1-94H; 3.000" Radius, No border



M1-94H; 3.000" Radius, No border



M1-94H; 3.000" Radius, No border

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov

LAX APRIL 2022

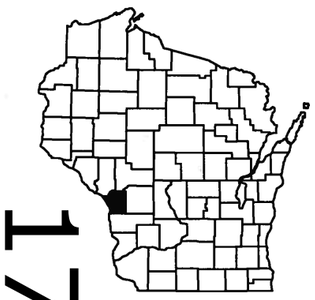
PROJECT ID: 7575-07-73
WITH: 7575-07-83 & 7575-07-70

COUNTY: LA CROSSE

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 = 404



17

N

DESIGN DESIGNATION

A.A.D.T.	2022	=	10150
A.A.D.T.	2042	=	11150
D.H.V.		=	11.7
D.D.		=	59/41
T.		=	10.6%
DESIGN SPEED		=	30 MPH
ESALS		=	1,700,000

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	
WOODED OR SHRUB AREA		POWER POLE	
		TELEPHONE POLE	

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

C LA CROSSE, LA CROSSE STREET

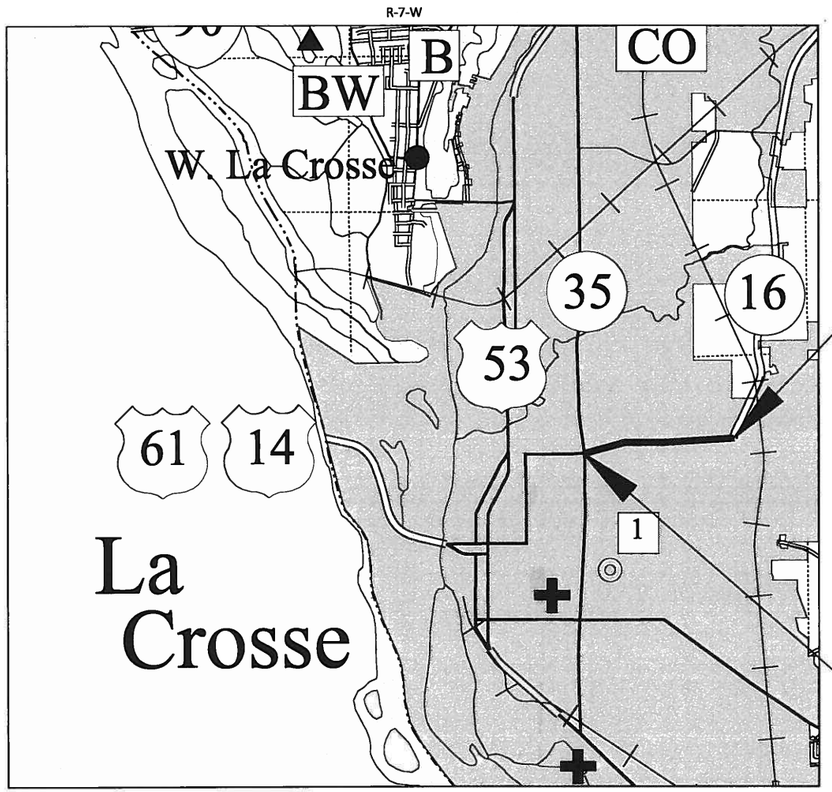
OAKLAND ST TO LOSEY BLVD

STH 16

LA CROSSE COUNTY

STATE PROJECT NUMBER
7575-07-73

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
7575-07-73	WISC 2022299	1



R-7-W
LAYOUT

SCALE 0 1 MI

TOTAL NET LENGTH OF CENTERLINE = 0.887 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), LA CROSSE 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 18.

ORIGINAL PLANS PREPARED BY

benesch
Alfred Benesch & Company
1000 West Glendale Court, Suite 160
Milwaukee, Wisconsin 53233
414-308-1310 Job No. 20268.00

AMANDA E. ZACHARIAS E-35716 MILWAUKEE WISCONSIN PROFESSIONAL ENGINEER

DATE: 10/1/21 Amanda Zacharias
(Professional Engineer Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	CBS SQUARED INC
Designer	ALFRED BENESCH & CO
Project Manager	CRAIG FISHER
Regional Examiner	SW REGION
Regional Supervisor	REINY YAHNKE

APPROVED FOR THE DEPARTMENT

DATE: 10/4/21 Craig A. Fisher
(Signature)

E

GENERAL NOTES

1. NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.
2. UNLESS NOTED ON THE PLAN, ALL STATIONS AND OFFSETS ARE REFERENCED FROM STH 16 R/L.
3. ALL ELEVATIONS AND OFFSETS SHOWN IN THE PLAN SHALL BE VERIFIED IN THE FIELD.
4. CROSS SECTIONS ARE REFERENCED TO R/L STH 16.
5. APPLY TACK COAT AT A RATE OF 0.05 GAL/SY ON NEW HMA SURFACES.
6. HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112 LB/SY-IN
7. THE CONTRACTORS PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, PASSING, OR PARKING LANE.
8. EXISTING DRIVEWAYS BEHIND THE BACK OF WALK SHALL BE RESTORED IN KIND AS DIRECTED BY THE ENGINEER IN THE FIELD AT THE LOCATIONS DETERMINED BY THE ENGINEER.
9. TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. NO WORK MAY BEGIN UNTIL PROPER TRAFFIC CONTROL DEVICES ARE PLACED AND APPROVED BY THE ENGINEER.
10. A SAWED JOINT IS REQUIRED WHERE NEW PAVEMENT MEETS EXISTING PAVEMENT.
11. 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.
12. THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY LOCAL MUNICIPALITY OR PUBLIC AGENCY WHICH IS NOT A MEMBER OF DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.

EROSION CONTROL GENERAL NOTES

1. RE-TOPSOIL DISTURBED AREAS, AS DESIGNATED BY THE ENGINEER. SEED AND E-MAT TOP-SOILED AREAS, AS DESIGNATED BY THE ENGINEER, WITHIN FIVE (5) CALENDAR DAYS AFTER PLACEMENT OF TOPSOIL. IF GRADED AREAS ARE LEFT EXPOSED FOR MORE THAN (14) CALENDAR DAYS, SEED THOSE AREAS WITH TEMPORARY SEED.
2. STOCKPILE EXCESS MATERIAL OR SPOILS ON UPLAND AREAS AWAY FROM WETLANDS, FLOODPLAINS AND WATERWAYS. STOCKPILED SOIL SHALL BE PROTECTED AGAINST EROSION. IF STOCKPILED MATERIAL IS LEFT FOR MORE THAN FOURTEEN (14) CALENDAR DAYS, SEED THE STOCKPILE WITH TEMPORARY SEED.
3. EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS. THE LOCATIONS AND TYPE OF EROSION CONTROL ITEMS WILL BE DETERMINED BY THE CONTRACTOR'S ECIP AND BY THE ENGINEER. EROSION CONTROL ITEMS SHALL BE MAINTAINED UNTIL PERMANENT VEGETATION IS ESTABLISHED OR UNTIL THE ENGINEER DETERMINES THAT THE ITEM IS NO LONGER REQUIRED.

UTILITY CONTACTS

CENTURYLINK
(COMMUNICATION LINE)

333 N FRONT STREET
LA CROSSE, WI 54601
MR. TOM MURRAY
(608) 615-4169
tom.l.murray@lumen.com

CHARTER COMMUNICATIONS
(COMMUNICATION LINE)

1228 12th AVE SOUTH
ONALASKA, WI 54650
MR. PERRY MCCLELLAN
(608) 317-6213
perry.mcclellan@charter.com

CITY OF LA CROSSE
(FIBER)

400 LA CROSSE ST
LA CROSSE, WI 54601
MR. JAMIE HASSEMER
(608) 789-7324
hassemerj@cityoflacrosse.org

CITY OF LA CROSSE
(SANITARY SEWER)

400 LA CROSSE ST
LA CROSSE, WI 54601
MR. LUKE SCHIPPER
(608) 789-7324
schipperl@cityoflacrosse.org

LA CROSSE WATER UTILITY
(WATER)

400 LA CROSSE ST
LA CROSSE, WI 54601
MR. MARK GRAFF
(608) 789-7384
graffm@cityoflacrosse.org

XCEL ENERGY
(ELECTRICITY)

1414 W HAMILTON AVE
P.O. BOX 8
EAU CLAIRE, WI 54702-0008
MR. JASON MCROBERTS
(715) 577-1132
jason.l.mcroberts@xcelenergy.com

XCEL ENERGY
(GAS)

1414 W HAMILTON AVE
P.O. BOX 8
EAU CLAIRE, WI 54702-0008
MR. TOM LALOND
(218) 251-5502
thomas.j.lalond@xcelenergy.com

OTHER AGENCIES

WISDNR
DNR SERVICE CENTER
3550 MORMON COULEE RD
LA CROSSE, WI 54601
KAREN KALVELAGE
(608) 785-9115
karen.kalvelage@wisconsin.gov

DESIGN

ALFRED BENESCH & COMPANY
1300 W CANAL ST, SUITE 150
MILWAUKEE, WI 53233
MS. AMANDA ZACHARIAS
(414) 308-1320
azacharias@benesch.com

WISDOT

WISCONSIN DOT, SOUTHWEST REGION
3550 MORMON COULEE RD
LA CROSSE WI 54601
MR. CRAIG FISHER
(608) 785-9946
craig.fisher@dot.wi.gov

CITY OF LA CROSSE

CITY OF LA CROSSE
400 LA CROSSE STREET
LA CROSSE WI 54601
MS. STEPHANIE SWARD
(608) 789-7505
swards@cityoflacrosse.org

CITY OF LA CROSSE MUNICIPAL TRANSIT

2000 MARCO DR
LA CROSSE, WI 54601
MR JAMES KRUEGER
(608) 789-8380
kruegerj@cityoflacrosse.org

LIST OF STANDARD ABBREVIATIONS

ABUT	ABUTMENT
AC	ACRE
AGG	AGGREGATE
AADT	ANNUAL AVERAGE DAILY TRAFFIC
ASPH	ASPHALT
AVG	AVERAGE
ADT	AVERAGE DAILY TRAFFIC
BF	BACK FACE
BL	BASE LINE
BM	BENCH MARK
CB	CATCH BASIN
C/L	CENTERLINE
CC	CENTER TO CENTER
CE	COMMERCIAL ENTRANCE
CONC	CONCRETE
CO	COUNTY
CTH	COUNTY TRUNK HIGHWAY
CY	CUBIC YARD
CULV	CULVERT
C&G	CURB AND GUTTER
DHV	DESIGN HOUR VOLUME
DIA	DIAMETER
DD	DIRECTIONAL DISTRIBUTION
E	EAST
X	EAST GRID COORDINATE
EB	EASTBOUND
ELEC	ELECTRIC
ELEV	ELEVATION
ESALS	EQUIVALENT SINGLE AXLE LOADS
EXC	EXCAVATION
EBS	EXCAVATION BELOW SUBGRADE
EXIST	EXISTING
FF	FACE TO FACE
FE	FIELD ENTRANCE
FG	FINISHED GRADE
FL	FLOW LINE
FT	FOOT
FTMS	FREEWAY TRAFFIC MANAGEMENT SYSTEM
HES	HIGH EARLY STRENGTH
CWT	HUNDREDWEIGHT
HYD	HYDRANT
IN DIA	INCH DIAMETER
INL	INLET
ID	INSIDE DIAMETER
INV	INVERT
IP	IRON PIPE
JT	JOINT
JCT	JUNCTION
LT	LEFT
L	LENGTH OF CURVE
LHF	LEFT-HAND FORWARD
LF	LINEAR FOOT
L	LITER
LS	LUMP SUM
MH	MANHOLE
MB	MESSAGE BOARD
MLB	MAILBOX
ML	MATCH LINE
NC	NORMAL CROWN
N	NORTH
Y	NORTH GRID COORDINATE
NB	NORTHBOUND
NO	NUMBER
OD	OUTSIDE DIAMETER
PAVT	PAVEMENT
PERM	PERMANENT
PLE	PERMANENT LIMITED EASEMENT
PT	POINT
PVC	POLYVINYL CHLORIDE
PCC	PORTLAND CEMENT CONCRETE
PE	PRIVATE ENTRANCE
PROJ	PROJECT
PL	PROPERTY LINE
R	RADIUS
R/L	REFERENCE LINE
RCCP	REINFORCED CONCRETE CULVERT PIPE
REQD	REQUIRED
RT	RIGHT
RHF	RIGHT HAND FORWARD
R/W	RIGHT-OF-WAY
RD	ROAD
RDWY	ROADWAY
SALV	SALVAGED
SSS	SANITARY AND STORM SEWER
SAN S	SANITARY SEWER
SEC	SECTION
SHLDR	SHOULDER
SW	SIDEWALK
S	SOUTH
SB	SOUTHBOUND
SP	SPECIAL
SPECS	SPECIFICATIONS
SQ	SQUARE
SF	SQUARE FEET
SY	SQUARE YARD
STD	STANDARD
SDD	STANDARD DETAIL DRAWINGS
STH	STATE TRUNK HIGHWAYS
STA	STATION
SS	STORM SEWER
STR	STRUCTURE OR STRUCTURAL
SL	SURVEY LINE
TEL	TELEPHONE
TEMP	TEMPORARY
TLE	TEMPORARY LIMITED EASEMENT
T	TON
TC	TOP OF CURB
T	TRUCKS (PERCENT OF)
TYP	TYPICAL
UG	UNDERGROUND
USH	UNITED STATES HIGHWAY
VAR	VARIABLE
VERT	VERTICAL
W	WATER
WM	WATER MAIN
WV	WATER VALVE
W	WEST
WB	WESTBOUND
YD	YARD

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANCE (PERCENT)			SLOPE RANCE (PERCENT)			SLOPE RANCE (PERCENT)			SLOPE RANCE (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	0.08 0.22	0.16 0.30	0.22 0.38	0.12 0.26	0.20 0.34	0.27 0.44	0.15 0.30	0.24 0.37	0.33 0.50	0.19 0.34	0.28 0.41	0.38 0.56
MEDIAN STRIP TURF	0.19 0.24	0.20 0.26	0.24 0.30	0.19 0.25	0.22 0.28	0.26 0.33	0.20 0.26	0.23 0.30	0.30 0.37	0.20 0.27	0.25 0.32	0.30 0.40
SIDE SLOPE TURF			0.25 0.32			0.27 0.34			0.28 0.36			0.30 0.38
PAVEMENT:												
ASPHALT	0.70 - 0.95											
CONCRETE	0.80 - 0.95											
BRICK	0.70 -0.80											
DRIVES, WALKS	0.75 - 0.85											
ROOFS	0.75 - 0.95											
GRAVEL ROADS, SHOULD	0.40 - 0.60											

TOTAL PROJECT AREA = 6.25 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 6.25 ACRES

PAVEMENT LOCATION	TOTAL PAVEMENT THICKNESS	LAYER	TYPE
MAINLINE	5 INCHES	UPPER 2 INCHES	4 MT 58-28 H
		LOWER 3 INCHES	3 MT 58-28 S

ORDER OF SECTION 2 SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
REMOVAL PLANS
PLAN DETAILS
PAVING GRADES
STORM SEWER
CURB RAMP DETAILS
PERMANENT SIGNING
LIGHTING PLAN
SIGNAL PLAN
PAVEMENT MARKING
TRAFFIC CONTROL
DETOUR PLAN
ALIGNMENT PLAN

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

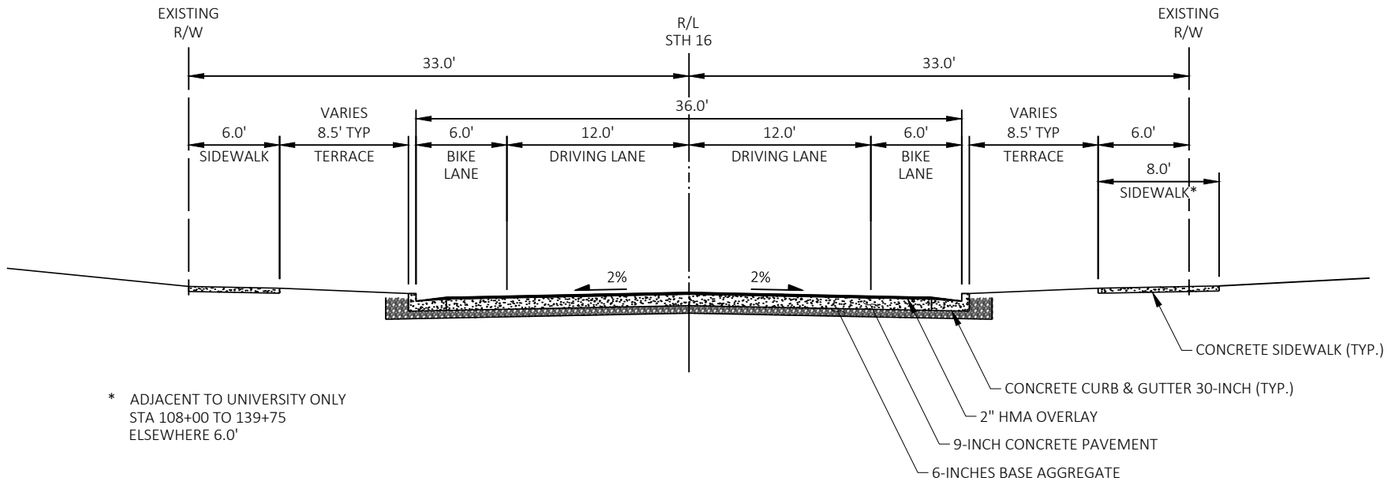
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PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	PROJECT OVERVIEW	SHEET 3	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\7575073\SHEETSPLAN\020201_PO.DWG
LAYOUT NAME - 020201_po
PLOT DATE : 10/22/2021 10:48 AM PLOT BY : MINSKY, MICHAEL PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

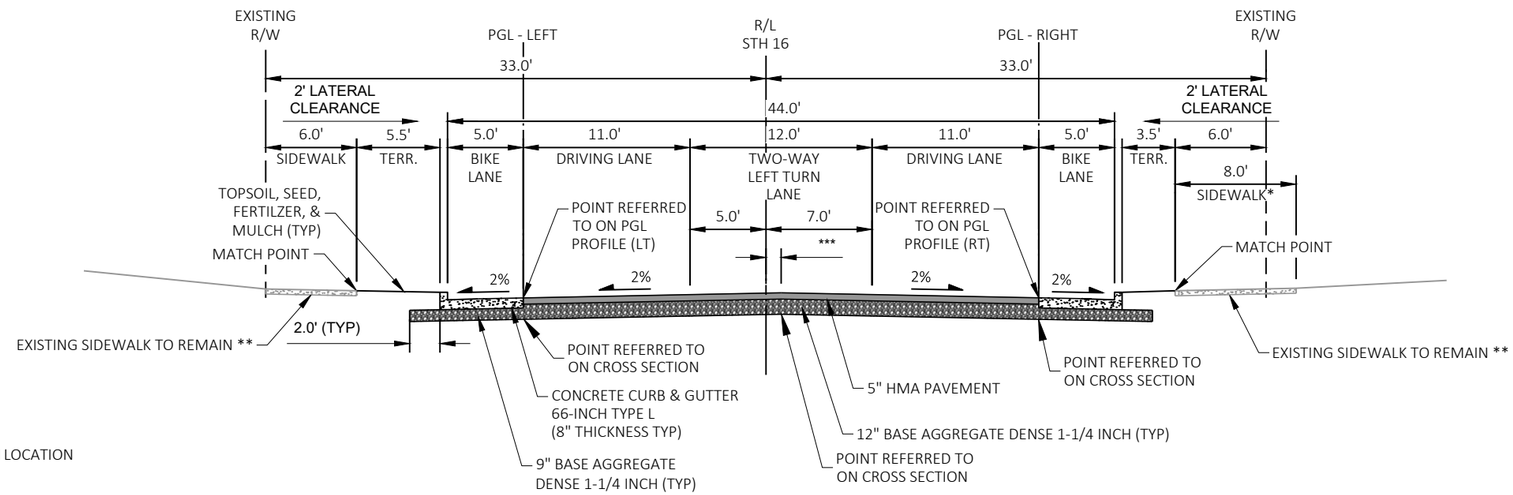
2



* ADJACENT TO UNIVERSITY ONLY
STA 108+00 TO 139+75
ELSEWHERE 6.0'

TYPICAL EXISTING SECTION

STA 103+95.12 TO 150+76.87



* ADJACENT TO UNIVERSITY ONLY
ELSEWHERE 6.0'

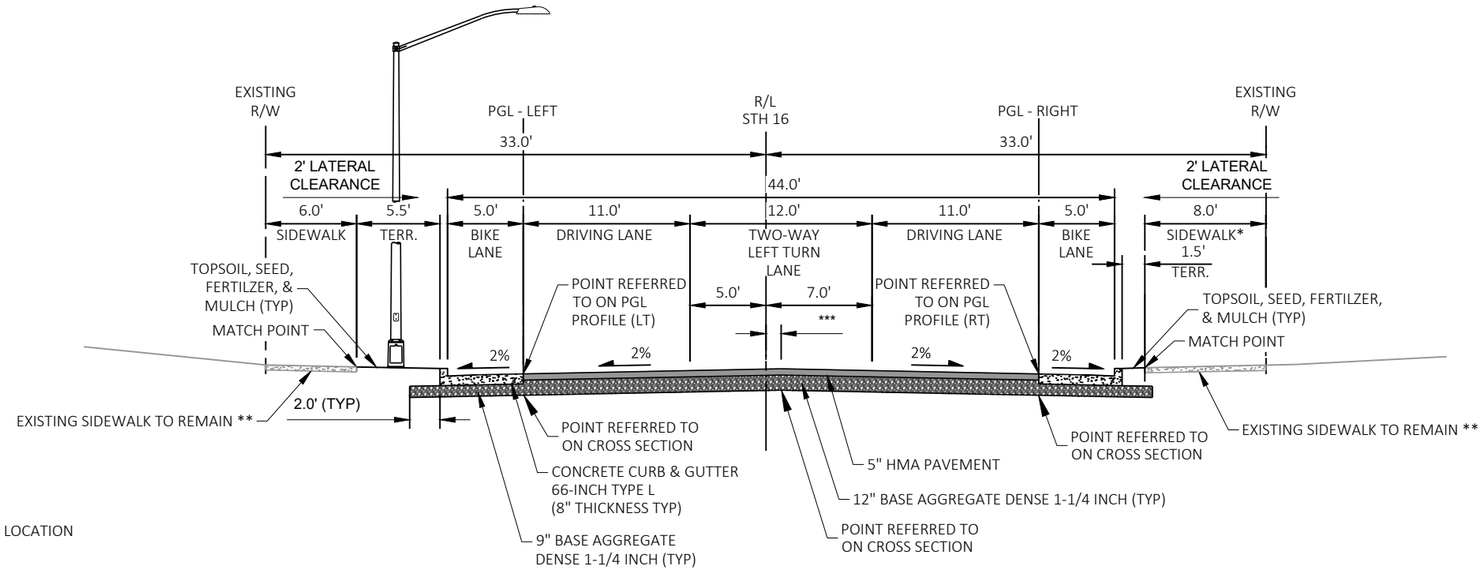
** REPLACE SIDEWALKS AT CURB RAMPS

*** VARIES, SEE CROSS SECTIONS FOR CROWN LOCATION

TYPICAL FINISHED SECTION

STA 103+95.12 TO 110+25.00
STA 117+06.95 TO 127+00.00

2



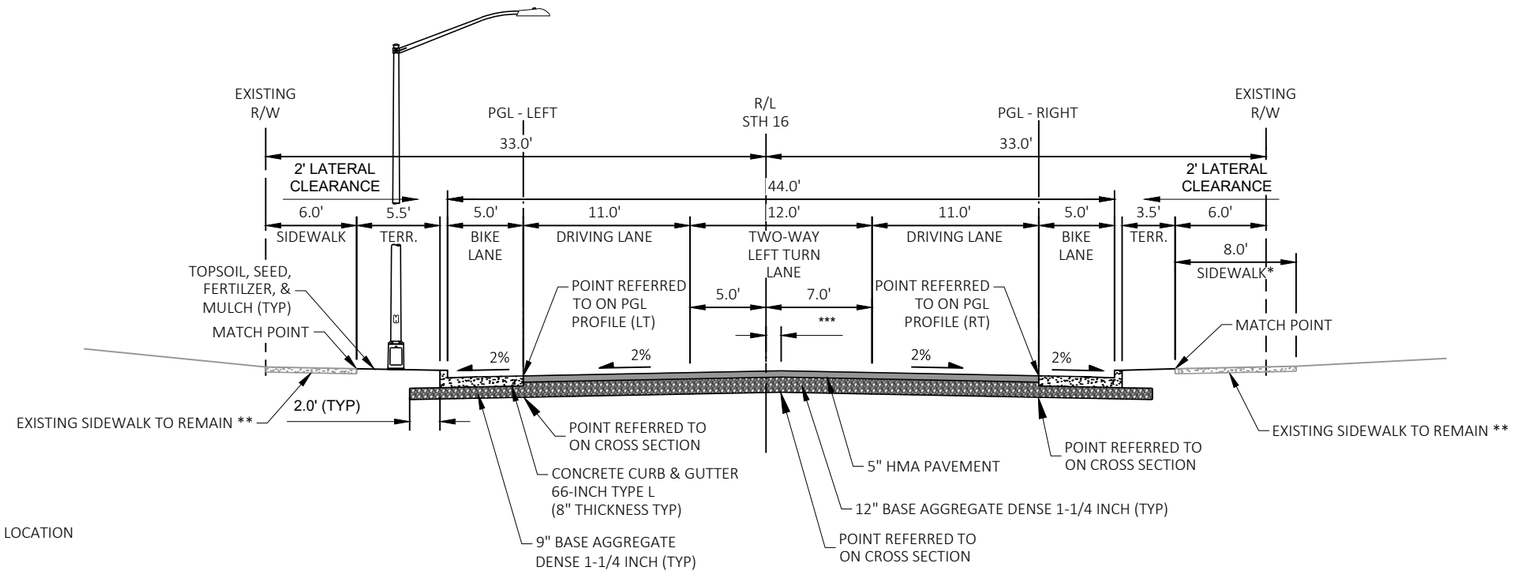
* ADJACENT TO UNIVERSITY ONLY ELSEWHERE 6.0'

** REPLACE SIDEWALKS AT CURB RAMPS

*** VARIES, SEE CROSS SECTIONS FOR CROWN LOCATION

TYPICAL FINISHED SECTION

STA 127+00.00 TO 140+00.00



* ADJACENT TO UNIVERSITY ONLY ELSEWHERE 6.0'

** REPLACE SIDEWALKS AT CURB RAMPS

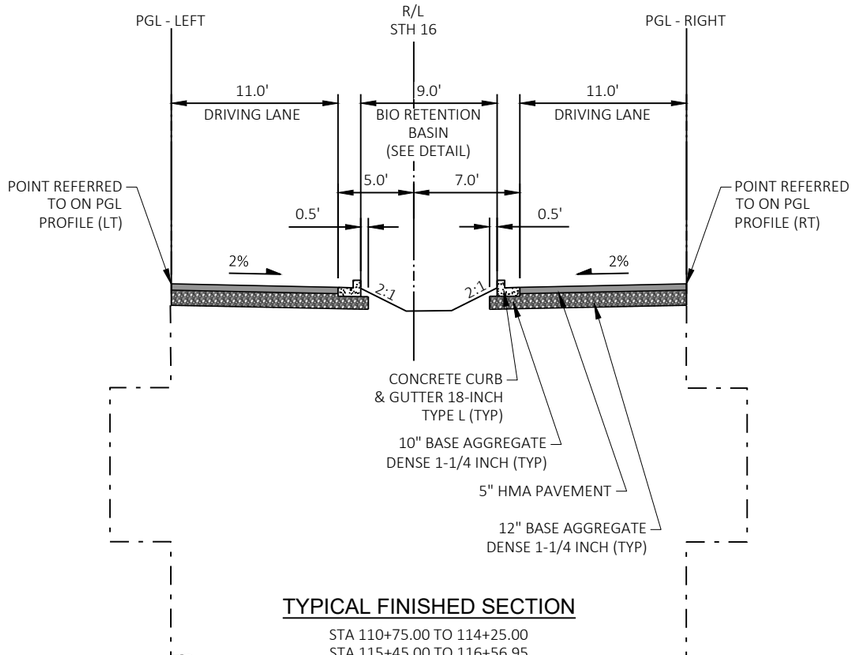
*** VARIES, SEE CROSS SECTIONS FOR CROWN LOCATION

TYPICAL FINISHED SECTION

STA 140+00.00 TO 150+76.87

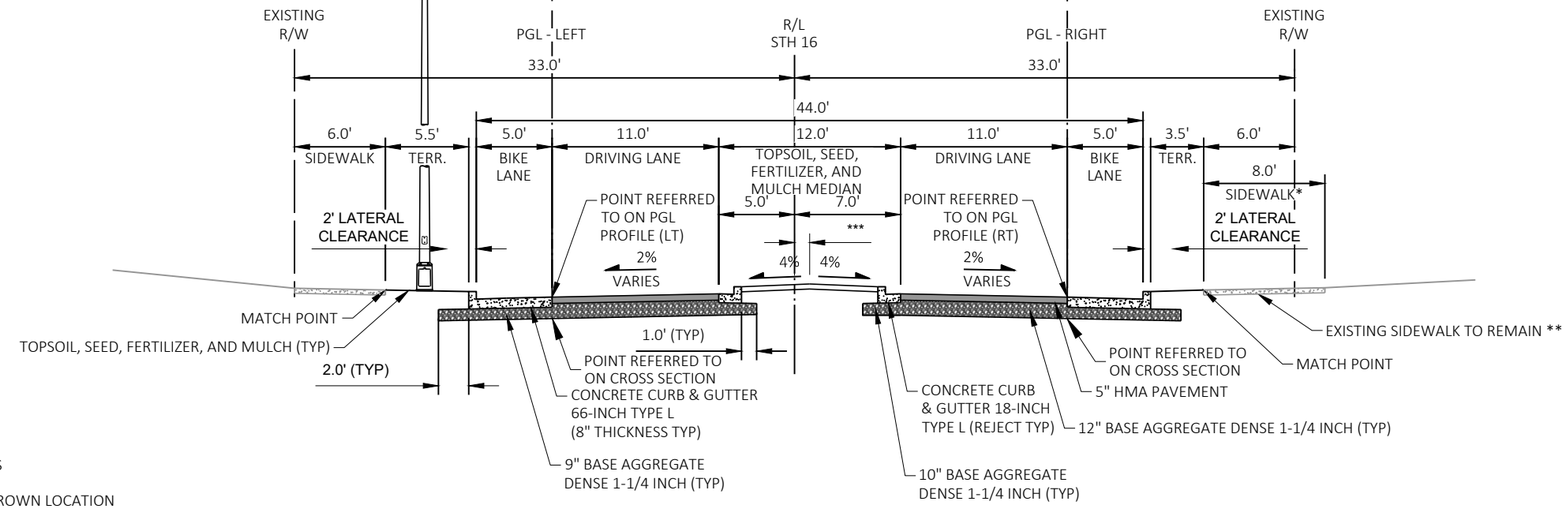
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	TYPICAL SECTIONS	SHEET 5	E

2



TYPICAL FINISHED SECTION

STA 110+75.00 TO 114+25.00
STA 115+45.00 TO 116+56.95



* ADJACENT TO UNIVERSITY ONLY
ELSEWHERE 6.0'

** REPLACE SIDEWALKS AT CURB RAMPS

*** VARIES, SEE CROSS SECTIONS FOR CROWN LOCATION

TYPICAL FINISHED SECTION

STA 110+25.00 TO 110+75.00
STA 114+25.00 TO 115+45.00
STA 116+56.95 TO 117+06.95

2



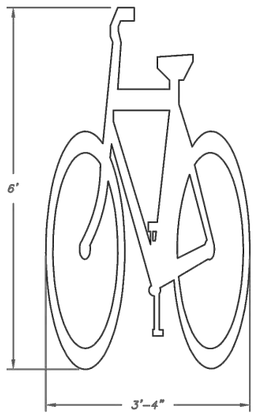
A D-9-3 4 INCH LINE
SCALE: 1" = 1'
NOTES: TYPICAL LINE WIDTH UNLESS SPECIFIED OTHERWISE



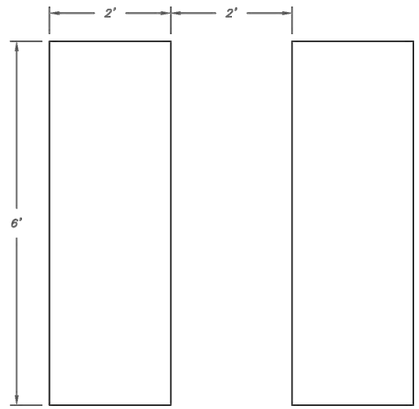
B D-9-3 8 INCH LINE
SCALE: 1" = 1'
NOTES: USED FOR BARRIER LINES



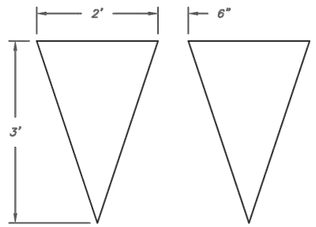
C D-9-3 12 INCH LINE
SCALE: 1" = 1'
NOTES: USED FOR CROSSWALK LINES & STOP BARS



D D-9-3 TYP. BIKE SYMBOL
SCALE: 1" = 2'



F D-9-3 TYP. CONTINENTAL BAR
SCALE: 1" = 2'



G D-9-3 TYP. YIELD LINE
SCALE: 1" = 2'



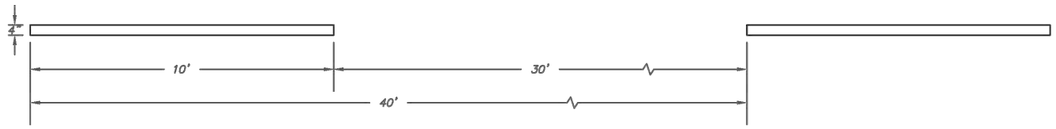
H D-9-3 TYP. "ONLY"
SCALE: 1" = 2'

*THESE DETAILS SUPERSEDE THE STANDARD DETAIL DRAWING WHERE CONFLICTS EXIST

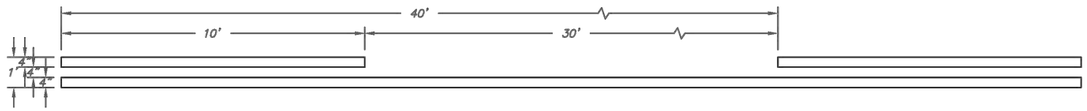
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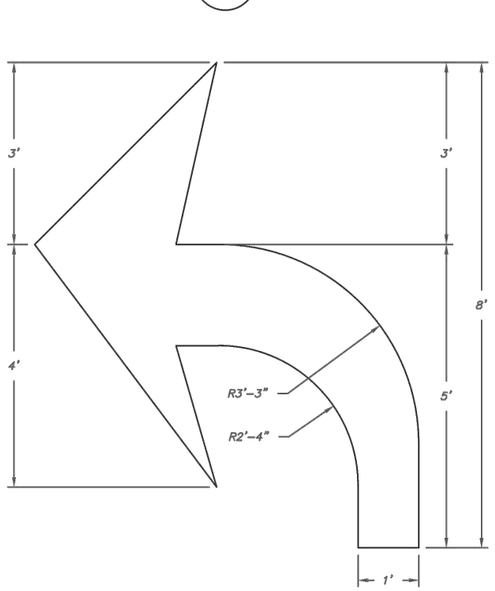
J D-9-3 TYP. DOUBLE LINE
NOT TO SCALE



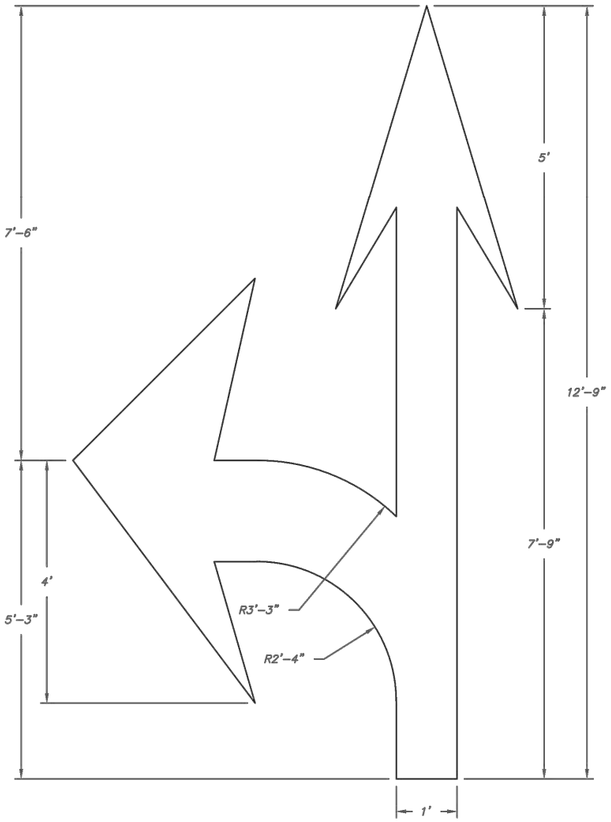
K D-9-3 TYP. SKIP DASH
NOT TO SCALE



L D-9-3 TYP. TWITAL LINE
NOT TO SCALE

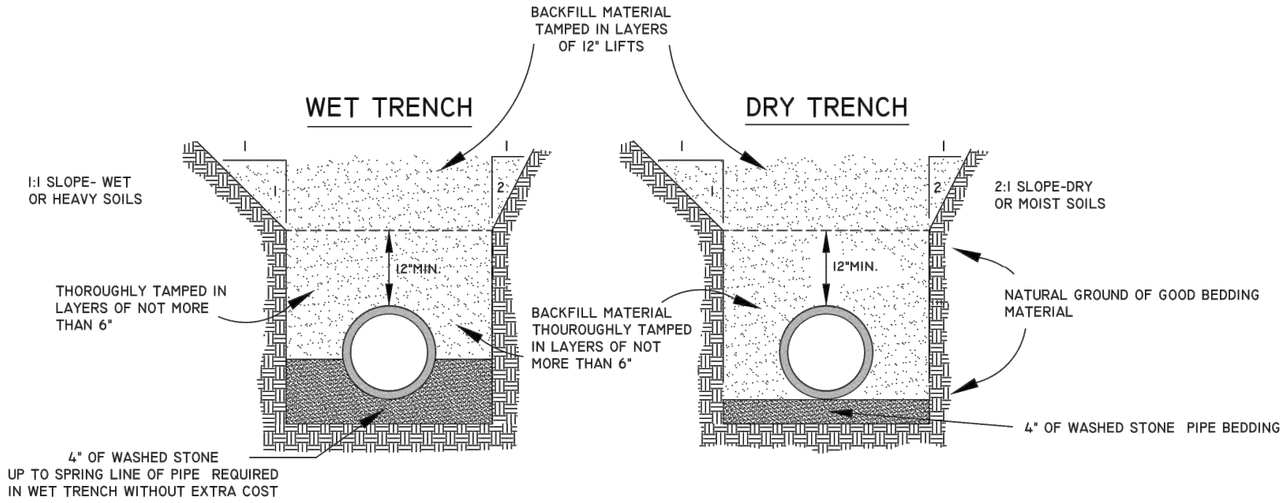


P D-9-3 TYP. TURN ARROW
SCALE: 1" = 2'



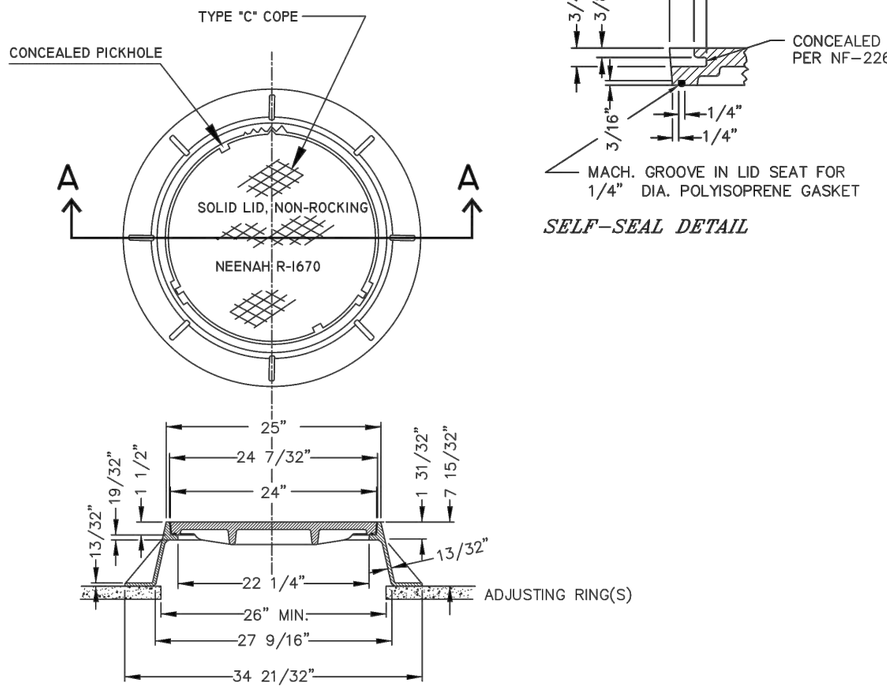
M D-9-3 TYP. STRAIGHT & TRUN ARROW
SCALE: 1" = 2'

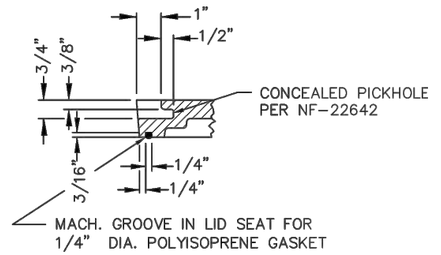
*THESE DETAILS SUPERSEDE THE STANDARD DETAIL DRAWING
WHERE CONFLICTS EXIST



DETAILS OF SEWER TRENCHES

A
D-2





SELF-SEAL DETAIL

A – A

DETAIL OF MANHOLE FRAME & COVER

(MINIMUM WEIGHT 324 LBS. TOTAL)
NEENAH R-1670 OR EQUAL

B
D-2

NOTE

OPENING FOR FRAME & COVER SHALL BE
CENTERED ON MANHOLES WITH FLAT TOPS.

DRAWING
NOT TO SCALE

NOTE (12)

THE CONNECTION OF ALL PVC STORM WATER PIPE, SIZE 6" TO 30", TO PRECAST MANHOLES OR OTHER STRUCTURES SHALL EMPLOY A WATERTIGHT, FLEXIBLE PIPE-TO-MANHOLE CONNECTOR

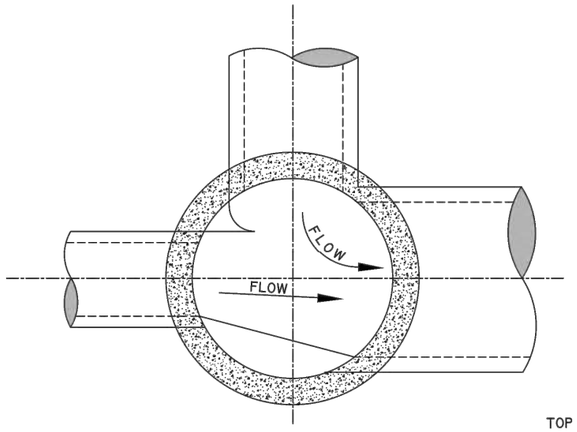
THE CONNECTOR SHALL CONSIST OF A SINGLE RUBBER GASKET, SHALL BE CONSTRUCTED SOLELY OF SYNTHETIC OR NATURAL RUBBER, SHALL MEET/EXCEED THE REQUIREMENTS OF ASTM C 923, AND SHALL HAVE A MINIMUM TENSILE STREGHTH OF 1600 PSI

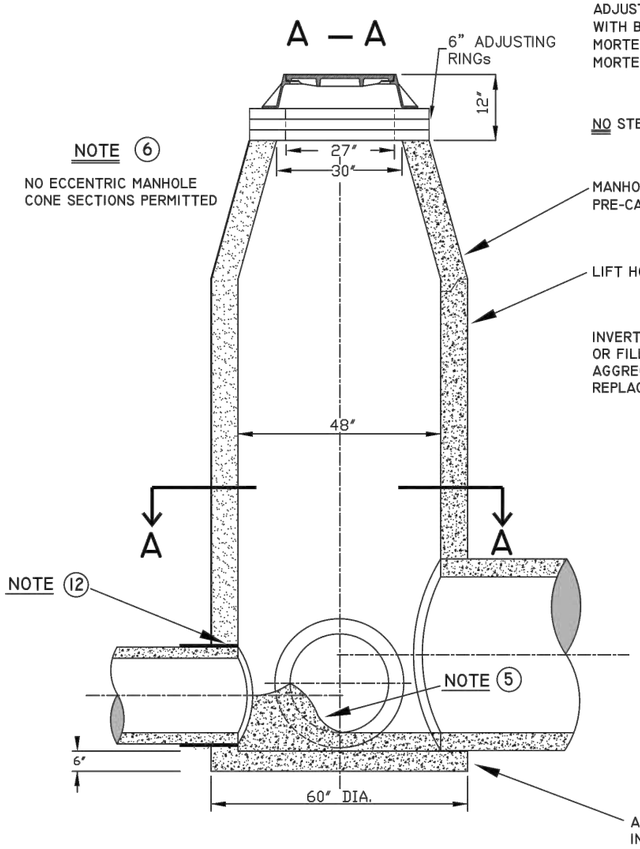
THE CONNECTOR SHALL BE THE SOLE ELEMENT RELIED ON TO ASSURE A FLEXIBLE, WATERTIGHT SEAL OF THE PIPE TO THE STRUCTURE

SEWER PIPE JOINT MATERIALS

CONCRETE PIPE-RUBBER GASKET (ASTM C-443)
PVC PIPE- ELASTOMETRIC GASKET (ASTM D-3212 & F-477)

2





NOTE (1)

TOP OF MANHOLE TO BE 12" BELOW FINISHED GRADE. ADJUSTMENT TO BE OF PRE-CAST CONCRETE RINGS WITH BUTYL GASKETS (ROPE) BETWEEN RINGS AND MORTER BETWEEN CASTING & TOP RING ONLY. (3/4" MORTER MAX.)

NOTE (2)

NO STEPS ARE TO BE INSTALLED IN MANHOLES

NOTE (3)

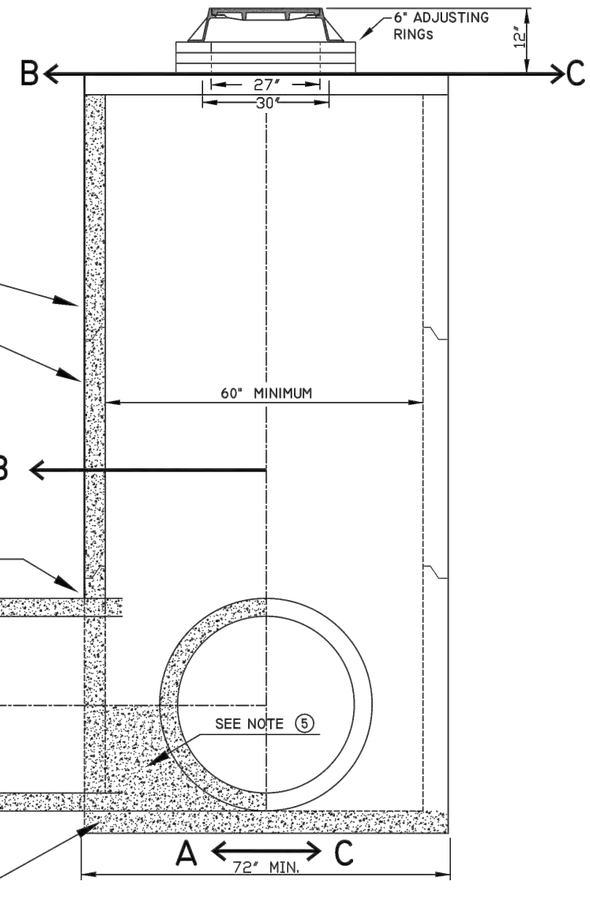
MANHOLE TO BE CONSTRUCTED OF PRE-CAST CONCRETE (ASTM C-478).

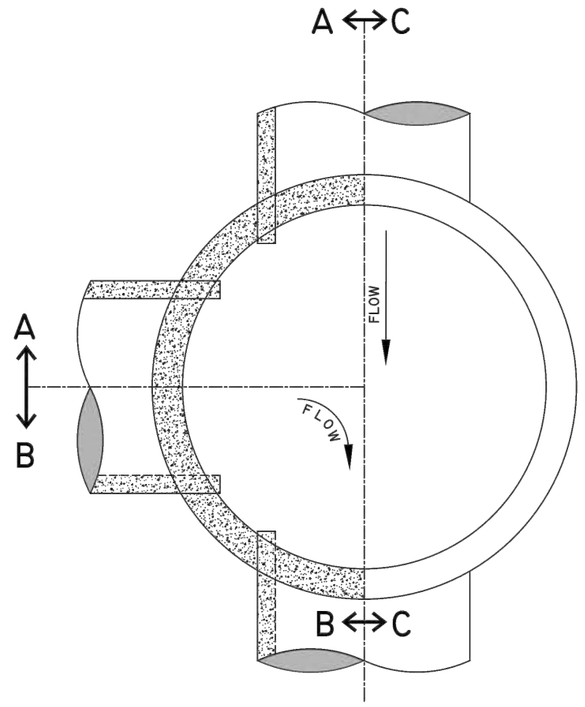
NOTE (4)

LIFT HOLES TO BE MANUFACTURED WATER PROOF

NOTE (5)

INVERT TO BE FACTORY MOLDED TO PIPE DIA. OR FILLED TO DIRECT FLOW WITH 3/4" MAXIMUM AGGREGATE, 3500 P.S.I. CONCRETE IF M.H. IS NOT REPLACED





DRAWING NOT TO SCALE

C / D-2 *DETAILS OF STANDARD MANHOLE FOR 30" PIPE OR SMALLER*

D / D-2 *DETAILS OF STANDARD MANHOLE FOR 36" PIPE OR LARGER*

SEWER PIPE JOINT MATERIALS

CONCRETE PIPE-RUBBER GASKET (ASTM C-443)
PVC PIPE- ELASTOMETRIC GASKET (ASTM D-3212 & F-477)

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CONSTRUCTION DETAILS	SHEET 10	E

2

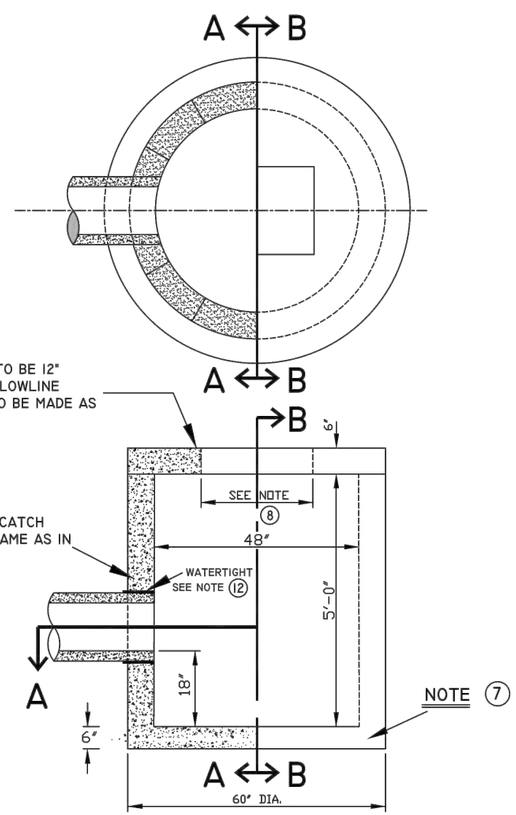
NOTE (8)

RECTANGULAR OPENING IN TOP
"A" TYPE CASTING - 36" X 30"
"BEEHIVE" CASTING - 24" DIAMETER

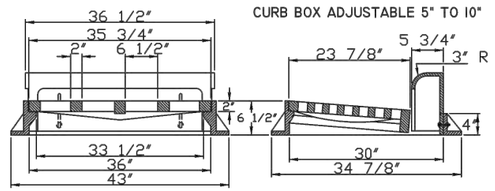
NOTE (9)

TOP OF CATCH BASIN TO BE 12" BELOW CATCH BASIN FLOWLINE GRADE ADJUSTMENT TO BE MADE AS IN NOTE (1)

CONSTRUCTION OF CATCH BASIN TO BE THE SAME AS IN NOTE (3)



E / D-2 *DETAIL OF TYPE "A" OR "B" CATCH BASIN*

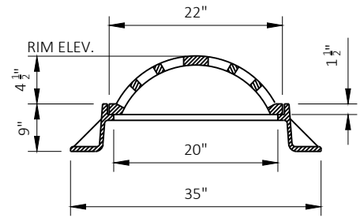


DETAILS OF TYPE "A" CATCH BASIN CASTING
NEENAH R-3246-A OR EQUAL
MINIMUM WEIGHT 649 LBS. TOTAL

F / D-2

NOTE: " DUMP NO WASTE DRAINS TO RIVER"

SHALL BE MOLDED IN ALL CASTINGS FACE



NOTE:
NEENAH R-2560-D OR EQUAL.

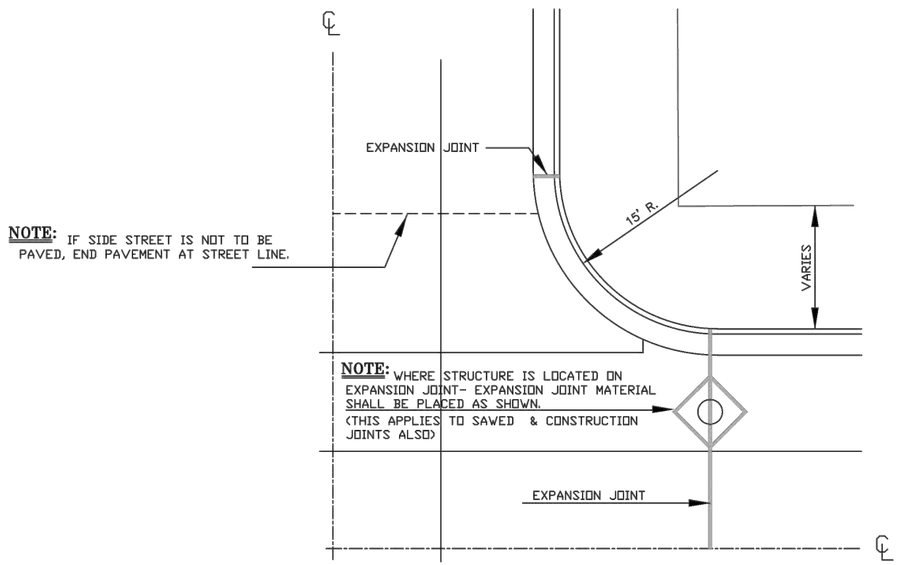
BEEHIVE COVERS

DRAWING
NOT TO SCALE

SEWER PIPE JOINT MATERIALS
CONCRETE PIPE-RUBBER GASKET (ASTM C-443)
PVC PIPE- ELASTOMETRIC GASKET (ASTM D-3212 & F-477)

2

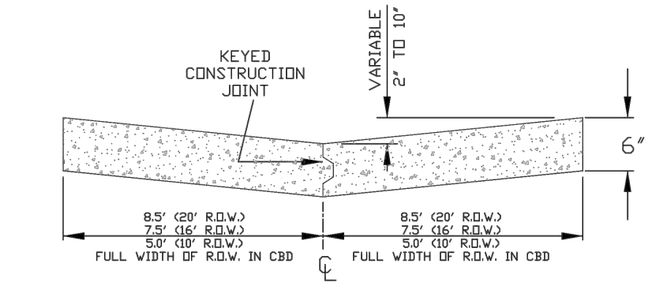
DRAWINGS
NOT TO SCALE



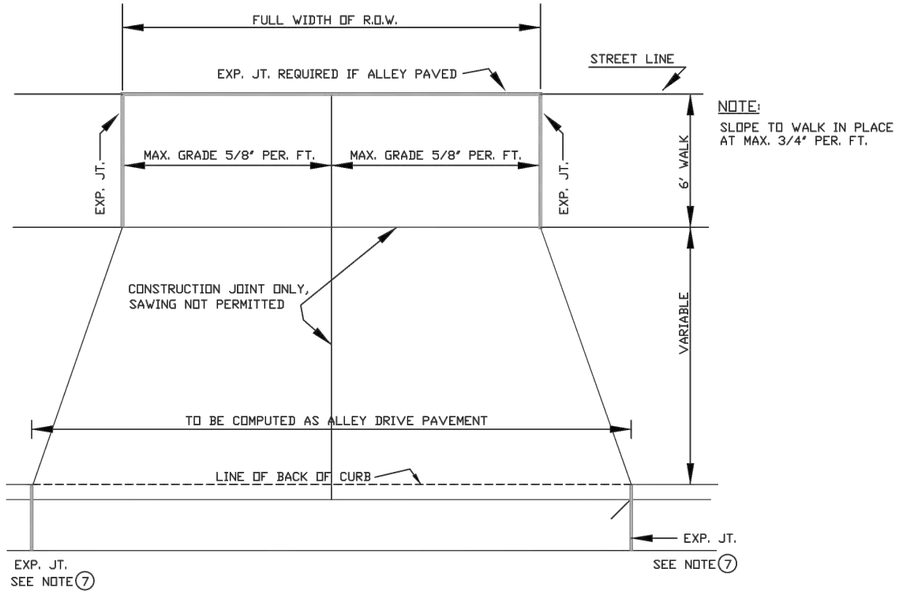
1/4 TYPICAL INTERSECTION

NOTES-JOINTS

1. EXPANSION JOINTS SHALL BE PLACED AT THE END OF RADII AT STREET INTERSECTIONS AND MID-BLOCK BETWEEN INTERSECTIONS. IN NO CASE SHALL THE DISTANCE BETWEEN EXPANSION JOINTS EXCEED 160 FEET.
2. THE DISTANCE BETWEEN TRAVERSE JOINTS SHALL NOT BE LESS THAN 10 FEET AND SHALL BE TYPICALLY 20 FEET APART.
3. LONGITUDINAL CONSTRUCTION JOINTS BETWEEN CURB AND GUTTER SECTION AND CONC. PAVING SECTION SHALL BE SEALED AS SHOWN ON JOINT DETAILS.

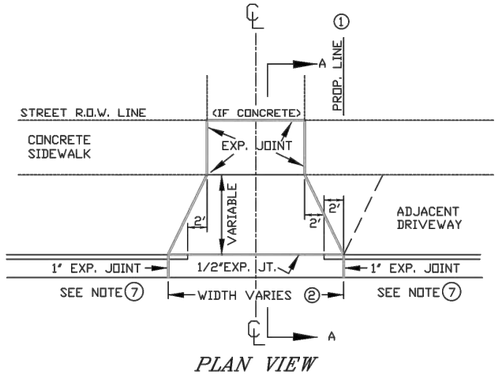


TYPICAL SECTION OF ALLEY PAVEMENT

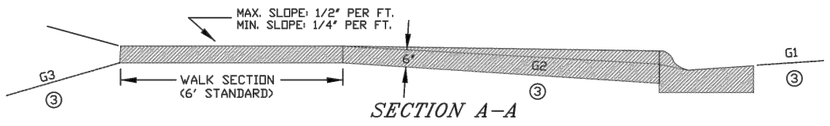


STANDARD ALLEY DRIVEWAY 7" THICK

DRAWINGS
NOT TO SCALE



PLAN VIEW



SECTION A–A

① DRIVE SECTION SHALL NOT OVERLAP PROPERTY LINE EXTENDED, EXCEPT WHERE PERMITTED BY THE ENGINEER, OR WHEN A JOINT DRIVEWAY AGREEMENT IS EXECUTED BY OWNERS OF ADJACENT PROPERTIES.

② MAX. DRIVEWAY WIDTH AT THE CURB AND SIDEWALK IS SET FORTH IN CITY ORDINANCE 5.03.

③ THE BREAKOVER ANGLE (CAUSE OF CARS BOTTOMING) BECOMES CRITICAL WHEN THE ALGEBRAIC DIFFERENCE OF GRADES (G1, G2, & G3) EXCEEDS 11%.

④ A REINFORCED DRIVE SECTION IS **REQUIRED FOR CURB & GUTTER IN AREAS ZONED INDUSTRIAL OR COMMERCIAL.**

⑤ BACK OF CURB TO FRONT OF CONC. SIDEWALK MUST BE CONCRETE, BRICK OR ASPHALTIC BITUMINOUS.

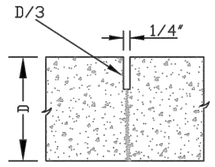
⑥ **MECHANICAL COMPACTION** OF SUBSOIL IN LAYERS LESS THAN 12" TO ACHIEVE MINIMUM COMPACTION OF 95% OF MAXIMUM DENSITY FROM MODIFIED PROCTOR **IS REQUIRED**. (INCLUDING STREET SIDE AFTER FORMS ARE REMOVED)

⑦ EXPANSION JOINT IS REQUIRED AT BOTH ENDS OF DRIVEWAY WHEN ONLY DRIVEWAY IS INSTALLED OR REPLACED. WHEN ENTIRE BLOCK OF CURB & GUTTER IS INSTALLED THE EXPANSION JOINT AT DRIVEWAY ENDS MAY BE OMITTED.

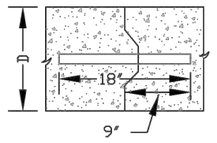
NOTE: TURNING OF 2' DIAMETER DRIVEWAY RETURNS IN LIEU OF DIMINISHING HEAD AS SHOWN IS PERMITTED IF DESIRED BY PROPERTY OWNER. INSTALLATION OF A DRIVEWAY BY REMOVING EXISTING CURB HEAD ONLY IS NOT ALLOWED. ENTIRE EXISTING C&G MUST BE REMOVED FOR NEW DRIVEWAYS. REMOVAL OF A MINIMUM 12" WIDTH OF BITUMINOUS TO INSTALL FRONT FORMS IS REQUIRED.

STANDARD DRIVEWAY DETAIL

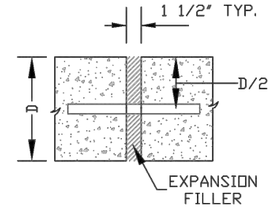
CONTRACTION	*CONSTRUCTION*	*EXPANSION*



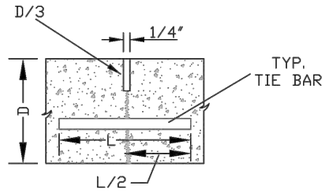
SAWED



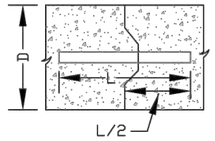
DOWELED TRANSVERSE



DOWELED TRANSVERSE

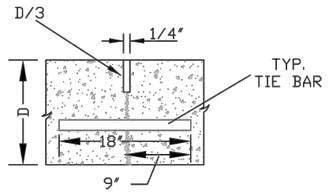


TIED LONGITUDINAL

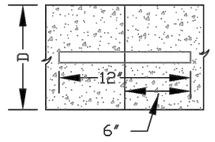


TIED LONGITUDINAL

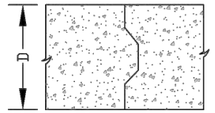
ALL JOINTS TO BE SEALED TO KEEP OUT FOREIGN DEBRIS



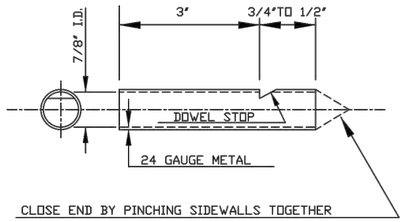
DOWELED TRANSVERSE



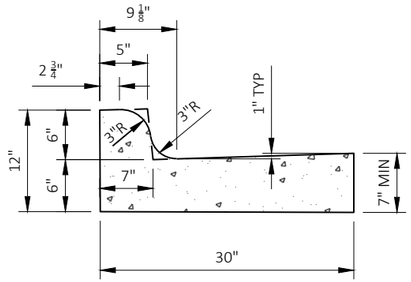
TIED LONGITUDINAL



UNTIED

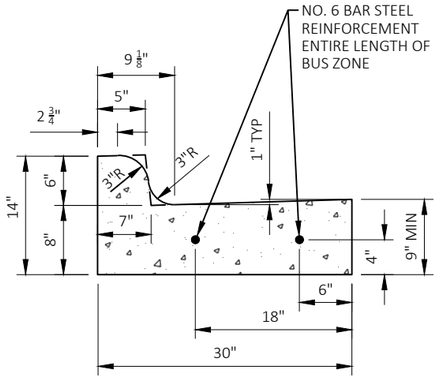


DOWEL SOCKET DETAIL

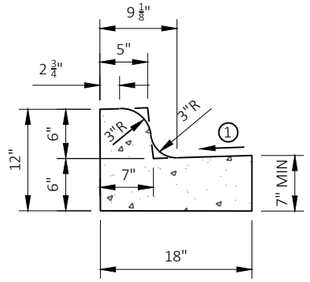


NOTE:
SAW CUT CONTRACTION JOINTS ON SLIP FORM
CURB & GUTTER A MINIMUM $\frac{1}{8}$" WIDE X 1" DEEP.

STANDARD CURB & GUTTER SECTION



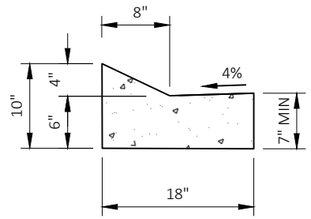
REINFORCED CONCRETE CURB & GUTTER
BUS STOP LOCATIONS



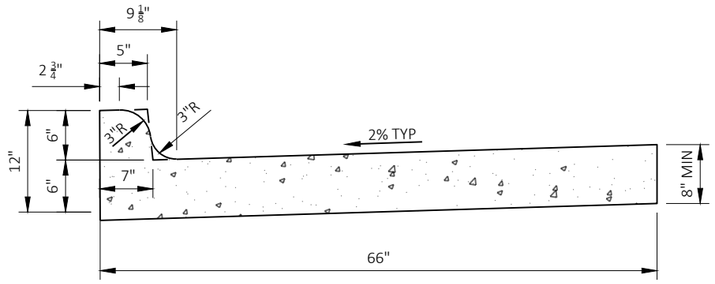
NOTE:
SAW CUT CONTRACTION JOINTS ON SLIP FORM
CURB & GUTTER A MINIMUM $\frac{1}{8}$" WIDE X 1" DEEP.

(1) VARIES: +4% TYPICAL
REJECT CURB FOLLOWING PAVEMENT
CROSSSLOPE WHEN BY "R" ON PLAN DETAILS

CURB & GUTTER 18-INCH TYPE L

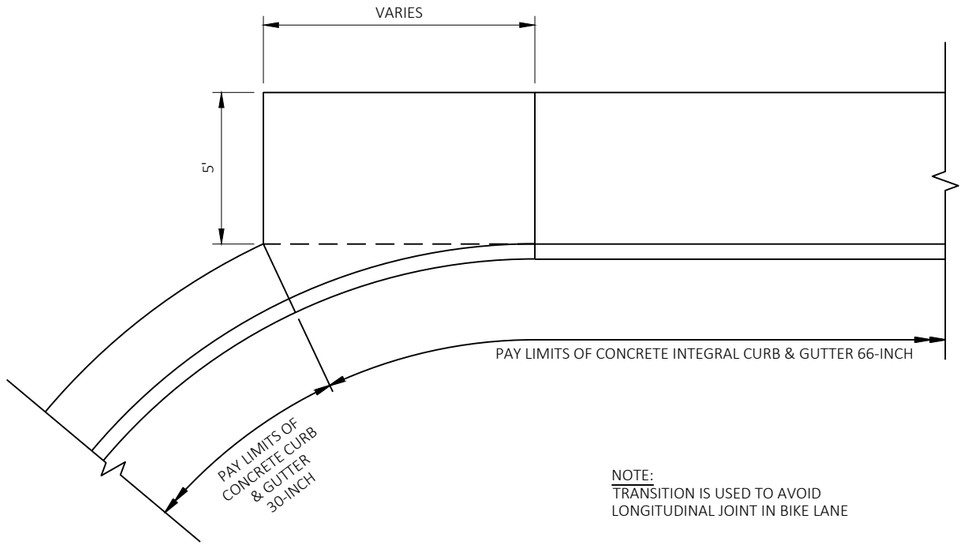


CURB & GUTTER MOUNTABLE 18-INCH



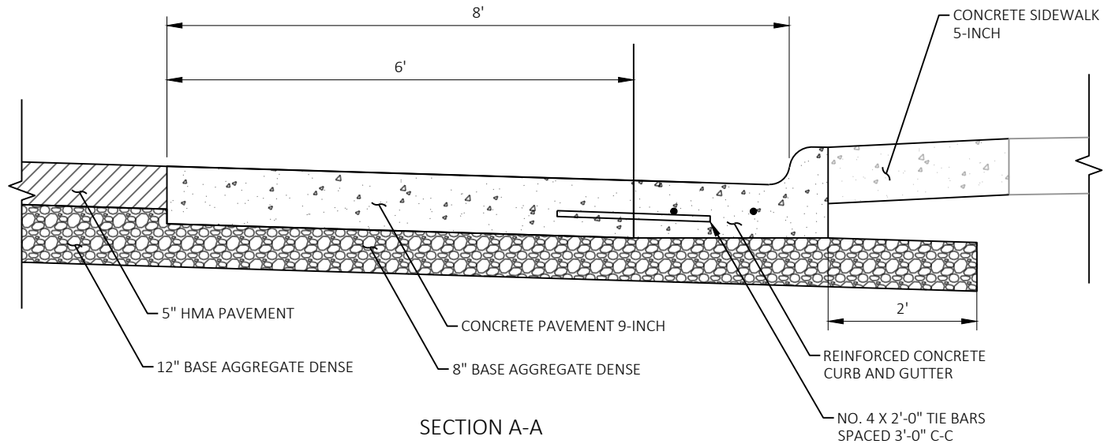
NOTE:
SAW CUT CONTRACTION JOINTS ON SLIP FORM
CURB & GUTTER A MINIMUM $\frac{1}{8}$" WIDE X 1" DEEP.

CONCRETE CURB & GUTTER 66-INCH TYPE L

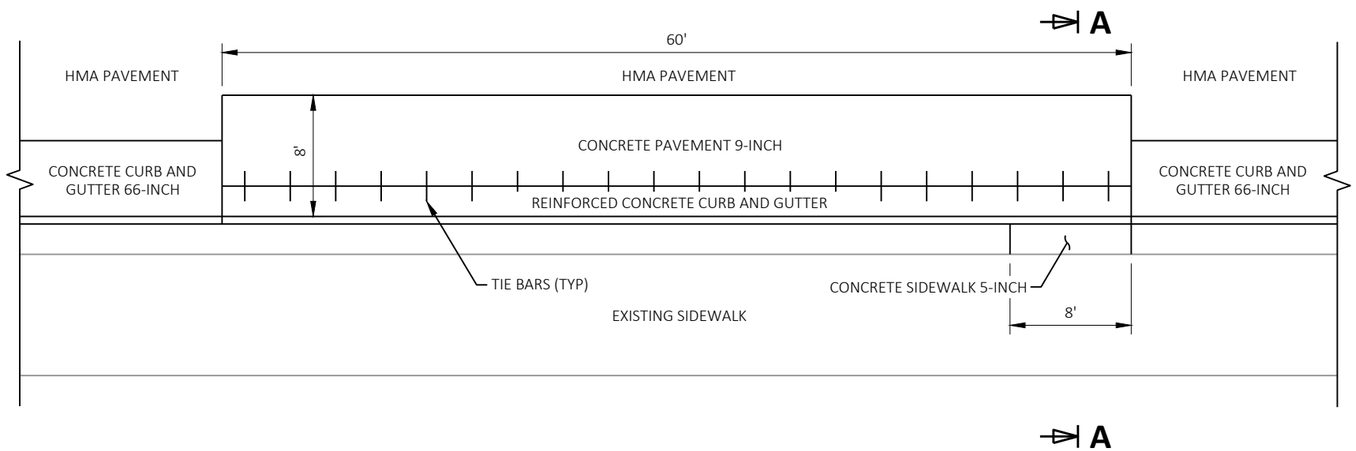


NOTE:
TRANSITION IS USED TO AVOID LONGITUDINAL JOINT IN BIKE LANE

CONRETE INTEGRAL CURB & GUTTER TRANSITION



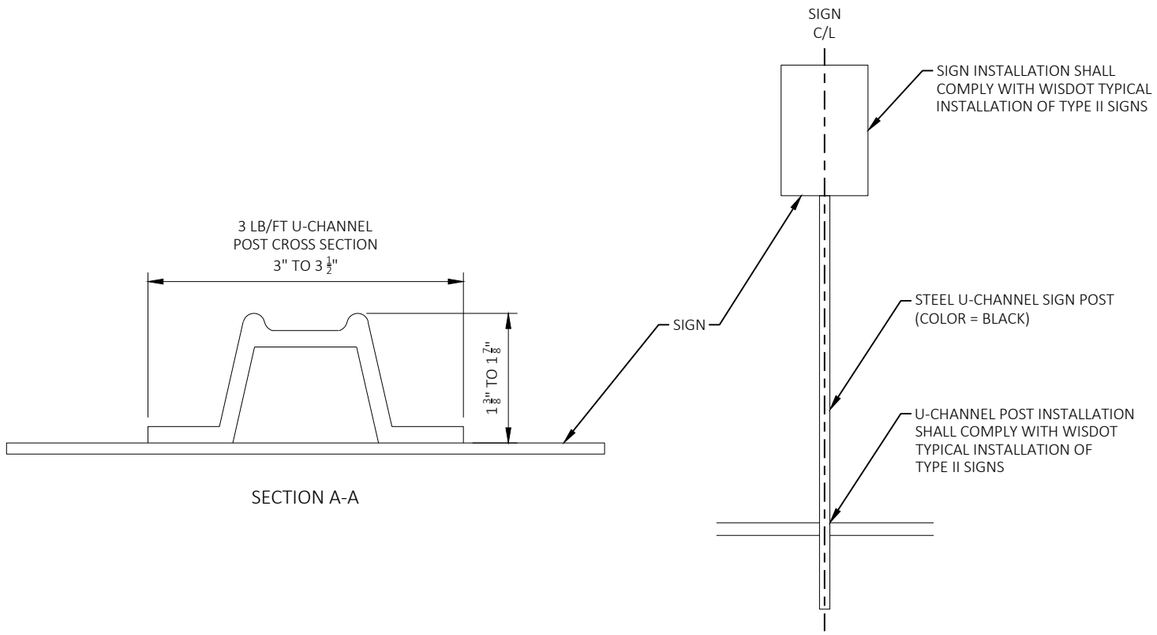
SECTION A-A



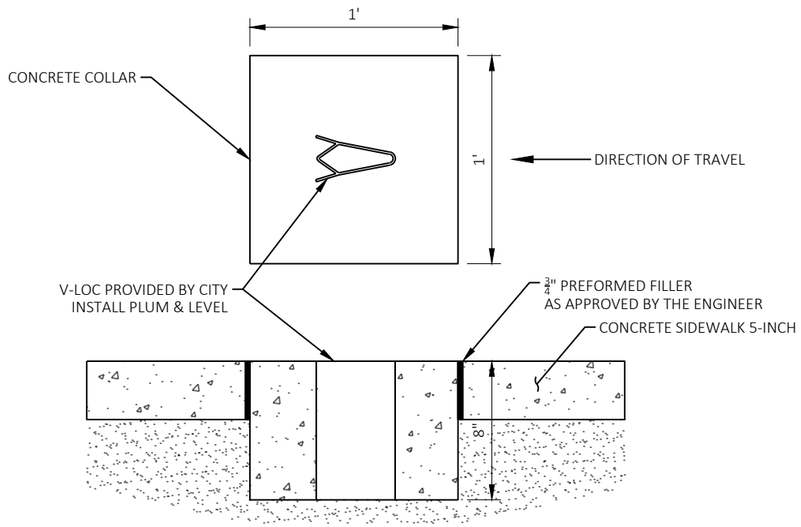
BUS PAD DETAIL

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CONSTRUCTION DETAILS	SHEET 15	E

2

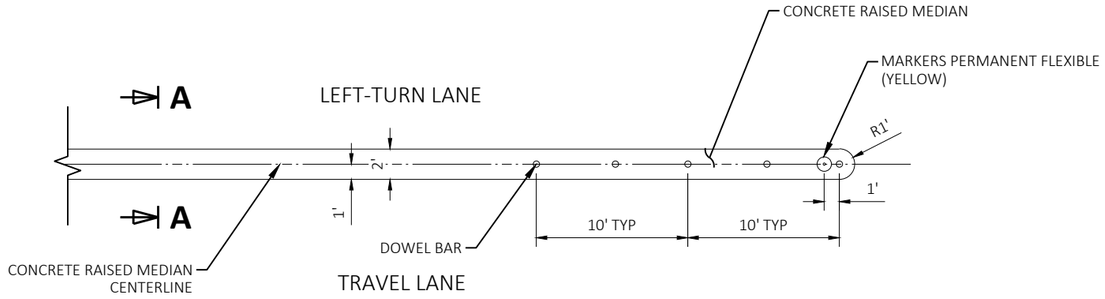


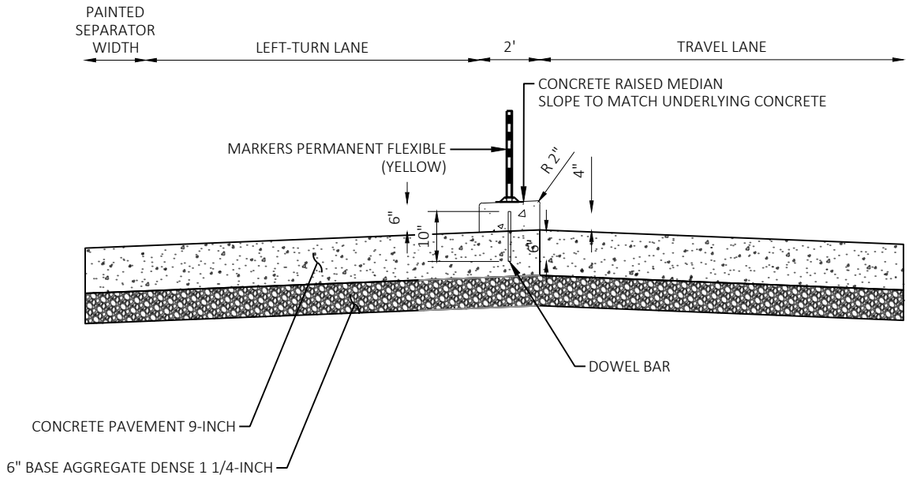
POSTS STEEL U-CHANNEL 14-FT



V-LOC INSTALLATION

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CONSTRUCTION DETAILS	SHEET 16	E

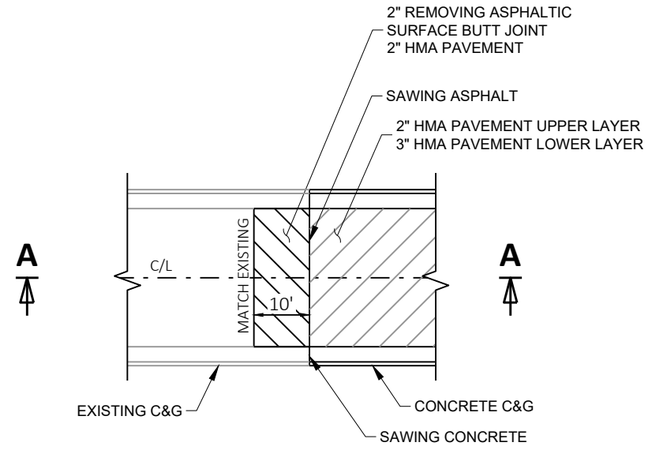


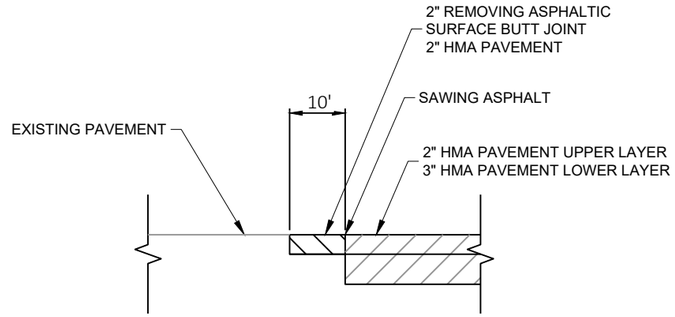


SECTION A-A

CONCRETE RAISED MEDIAN

STH 16 & WEST AVE INTERSECTION EAST LEG
STA 100+75 TO 102+70





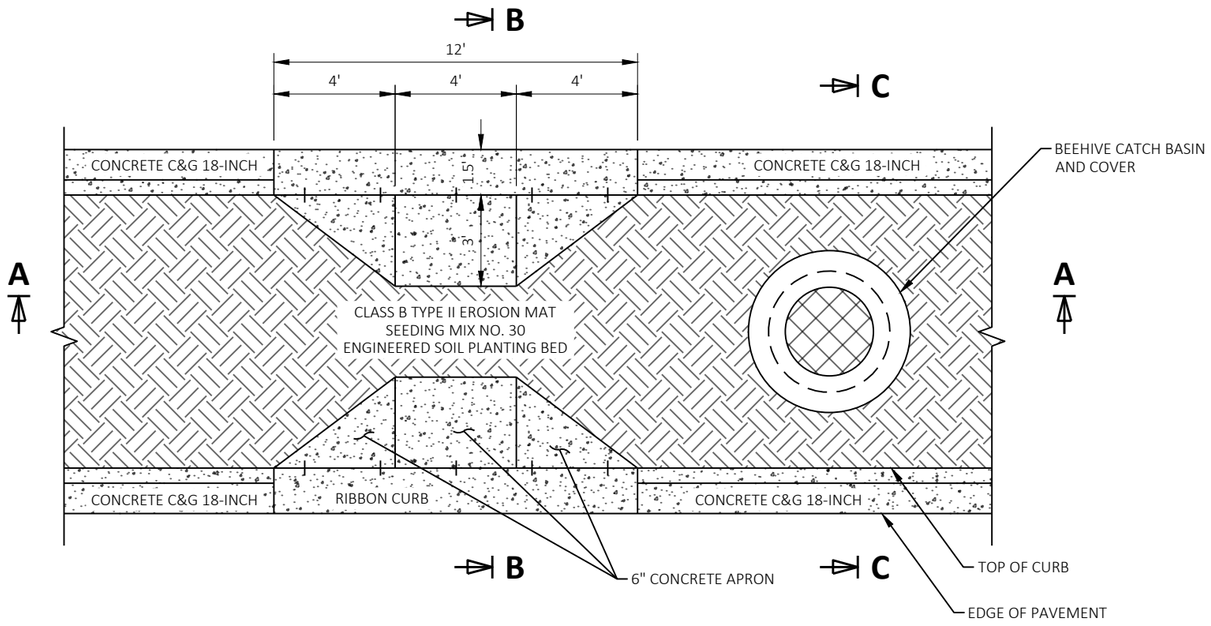
SECTION A-A

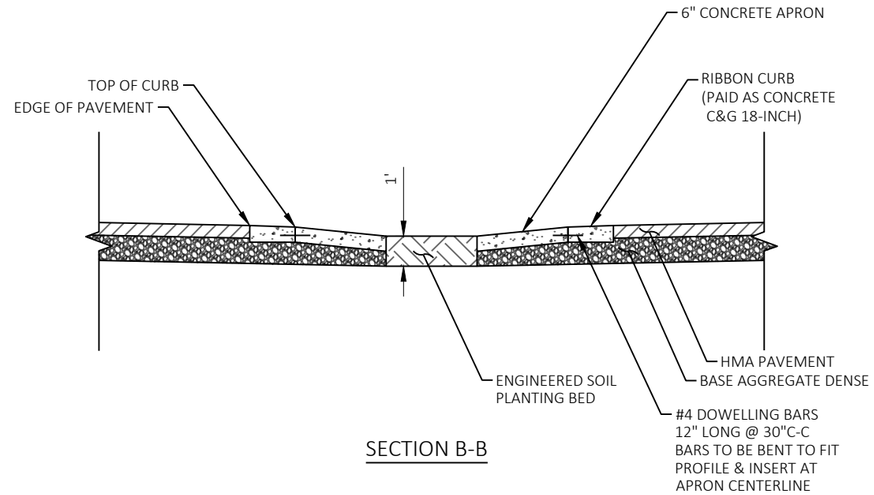
BUTT JOINT

ASPHALT SIDE ROADS

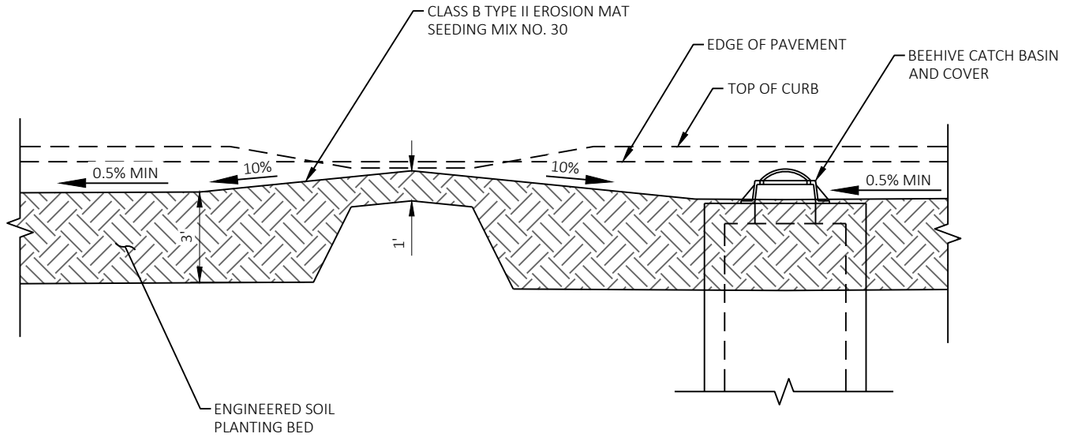
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CONSTRUCTION DETAILS	SHEET 17	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\021003_CD.DWG
LAYOUT NAME - 02
PLOT DATE : 10/18/2021 1:22 PM
PLOT BY : WEIGAND, BEN
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

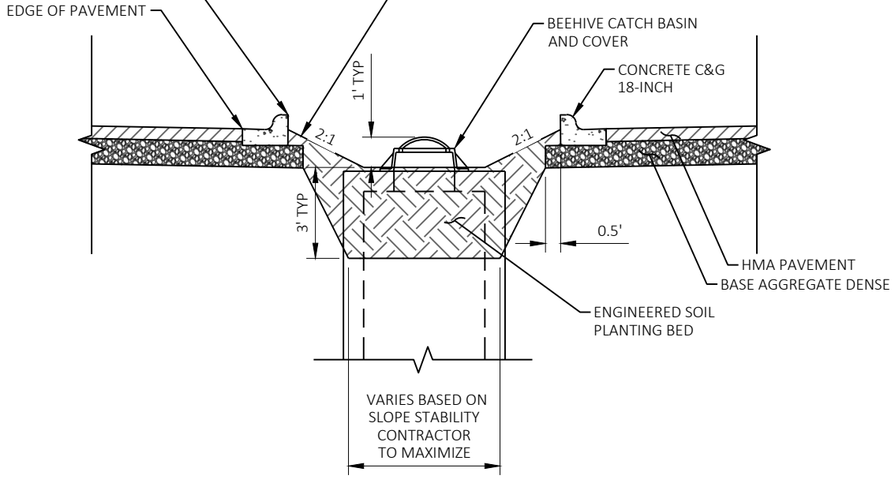




SECTION B-B



SECTION A-A



SECTION C-C

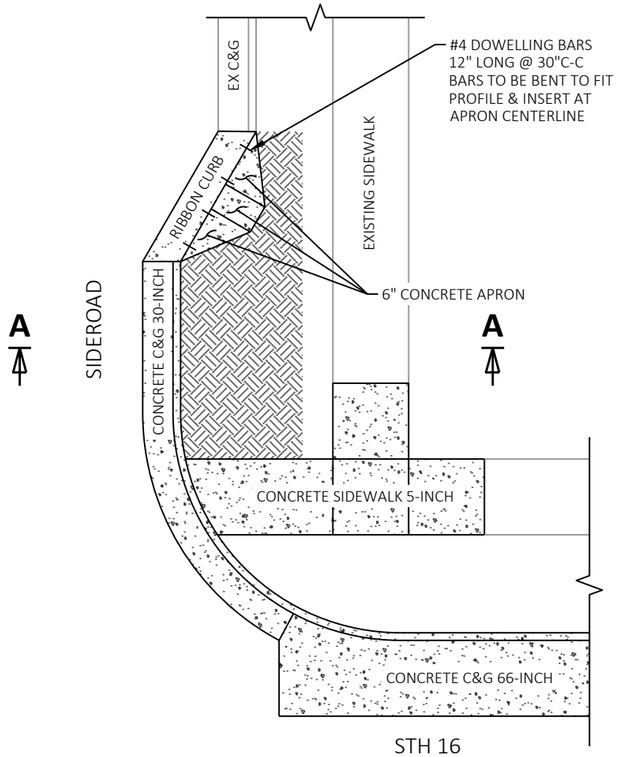
BIO RETENTION BASIN DETAIL

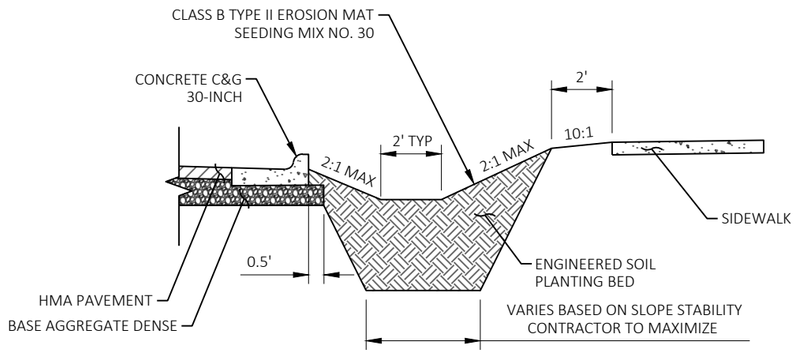
MEDIAN
STA 110+75 TO 114+25
STA 115+45 TO 116+57

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CONSTRUCTION DETAILS	SHEET 18	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\021003_CD.DWG
LAYOUT NAME - 03
PLOT DATE : 10/18/2021 1:22 PM PLOT BY : WEIGAND, BEN PLOT NAME : PLOT SCALE : 1 IN:10 FT

2



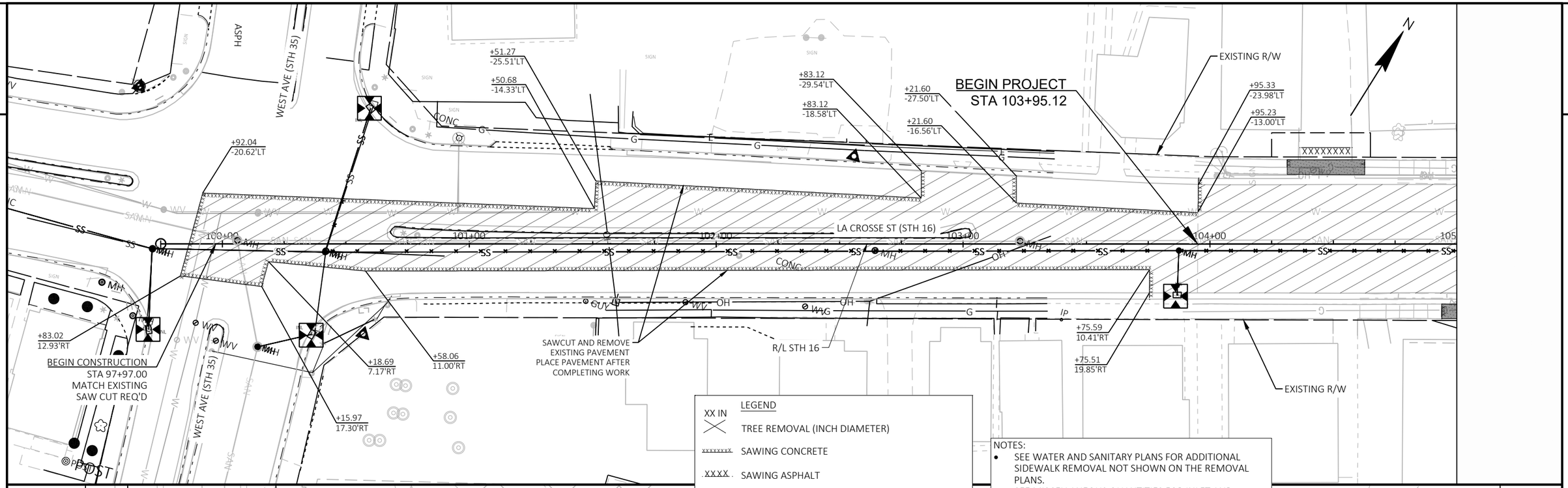


SECTION A-A

BIO RETENTION BASIN DETAIL

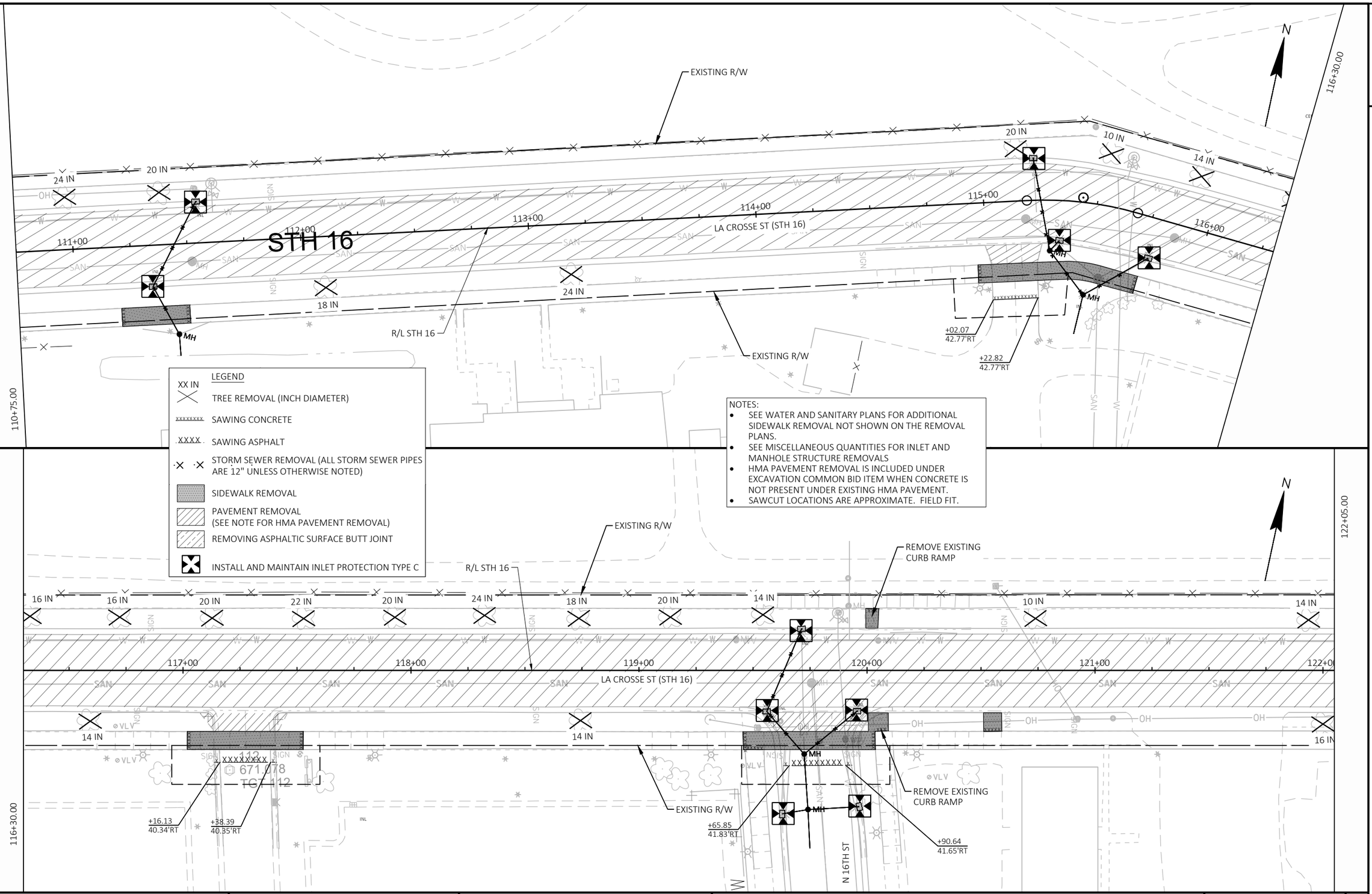
BUMP OUTS
N 22ND ST
N 23RD ST

2



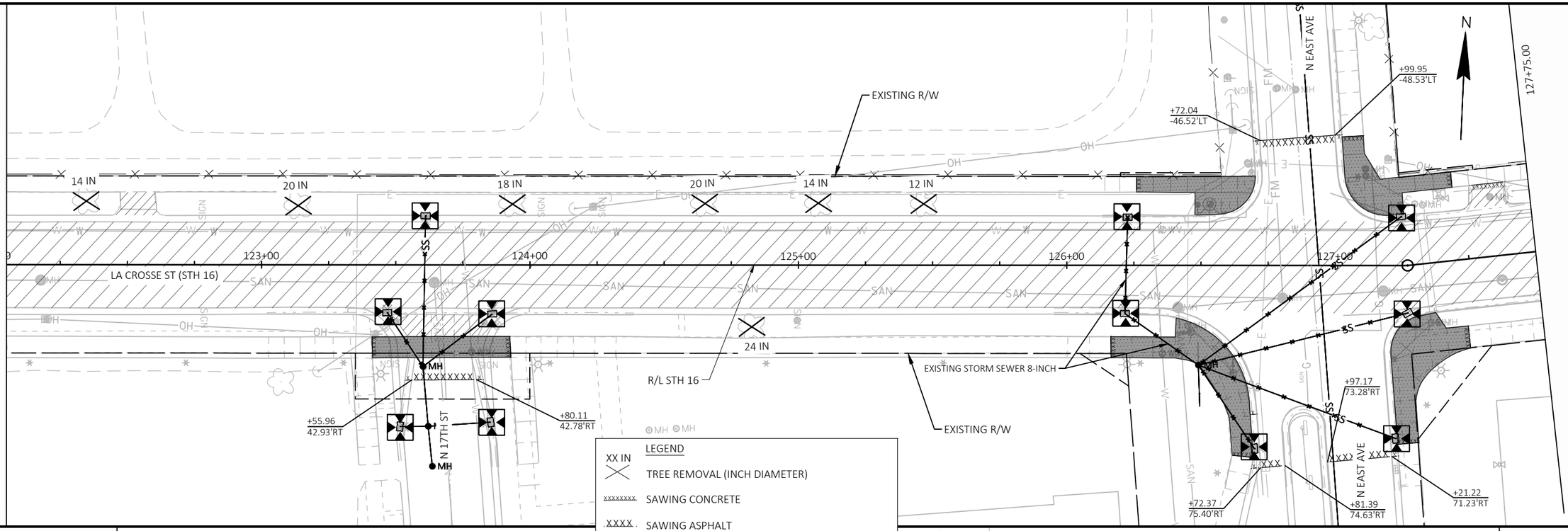
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	REMOVAL PLAN	SHEET 20	E

2



PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	REMOVAL PLAN	SHEET 21	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\7575073\SHEETSPLAN\021010_RM.DWG
LAYOUT NAME - 02
PLOT DATE : 10/18/2021 12:53 PM
PLOT BY : WEIGAND, BEN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

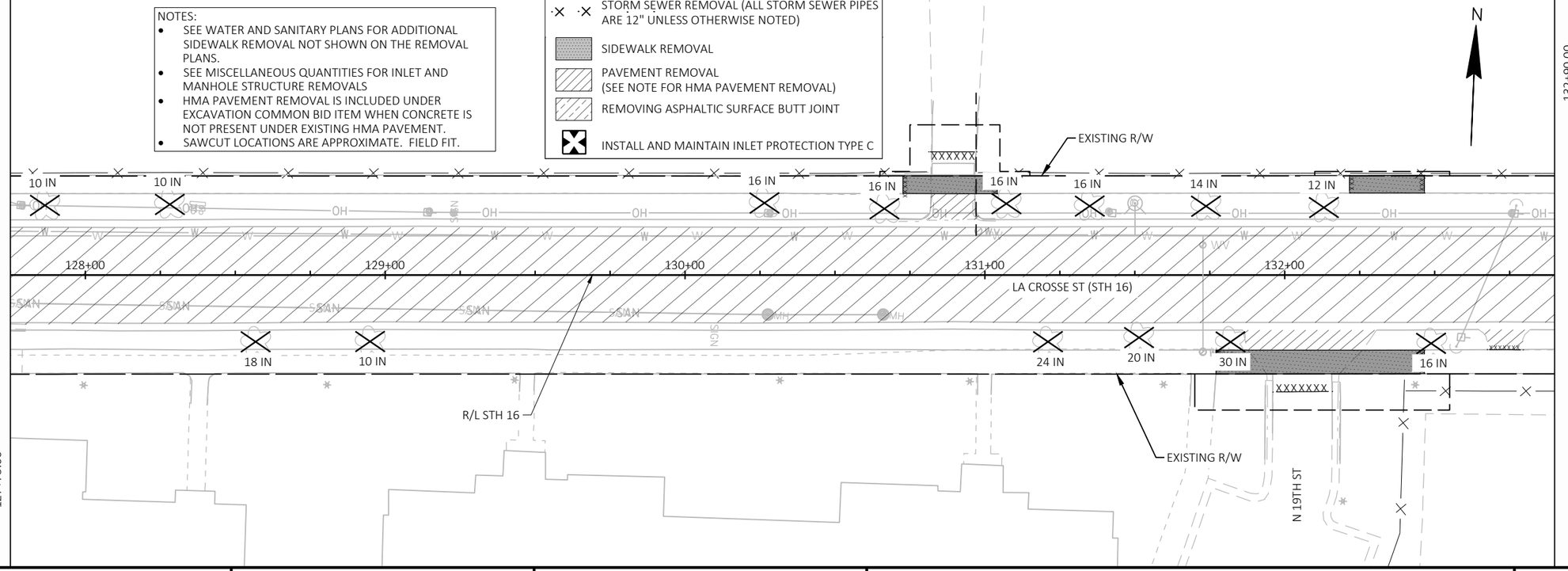


NOTES:

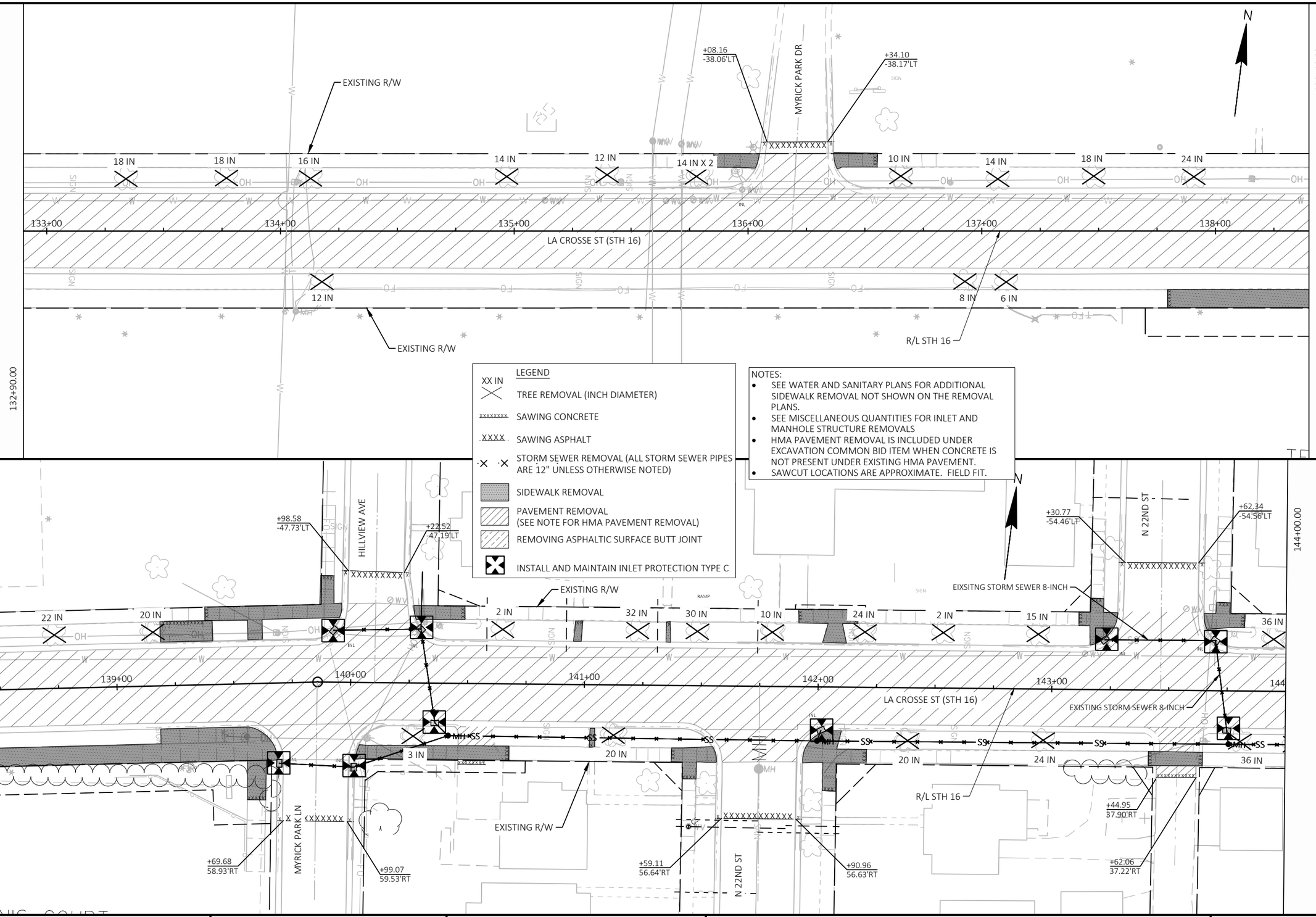
- SEE WATER AND SANITARY PLANS FOR ADDITIONAL SIDEWALK REMOVAL NOT SHOWN ON THE REMOVAL PLANS.
- SEE MISCELLANEOUS QUANTITIES FOR INLET AND MANHOLE STRUCTURE REMOVALS
- HMA PAVEMENT REMOVAL IS INCLUDED UNDER EXCAVATION COMMON BID ITEM WHEN CONCRETE IS NOT PRESENT UNDER EXISTING HMA PAVEMENT.
- SAWCUT LOCATIONS ARE APPROXIMATE. FIELD FIT.

LEGEND

- XX IN — TREE REMOVAL (INCH DIAMETER)
- SAWING CONCRETE
- SAWING ASPHALT
- STORM SEWER REMOVAL (ALL STORM SEWER PIPES ARE 12" UNLESS OTHERWISE NOTED)
- SIDEWALK REMOVAL
- PAVEMENT REMOVAL (SEE NOTE FOR HMA PAVEMENT REMOVAL)
- REMOVING ASPHALTIC SURFACE BUTT JOINT
- INSTALL AND MAINTAIN INLET PROTECTION TYPE C



PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	REMOVAL PLAN	SHEET 22	E



PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	REMOVAL PLAN	SHEET 23	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\7575073\SHEETSPLAN\021010_RM.DWG
LAYOUT NAME - 04
PLOT DATE : 10/18/2021 12:53 PM
PLOT BY : WEIGAND, BEN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

2

N

149+40.00

144+00.00

+42.64
-58.88'LT

+73.88
-58.15'LT

N 23RD ST

EXISTING R/W

8 IN

14 IN

3 IN

14 IN

18 IN

36 IN

30 IN

32 IN

15 IN

+00

145+00

146+00

147+00

148+00

149+00

LA CROSSE ST (STH 16)

32 IN

4 IN

3 IN

3 IN

3 IN

8 IN

14 IN

12 IN

R/L STH 16

EXISTING R/W

+15.62
56.71'RT

+46.66
56.29'RT

N 23RD ST

+72.29
46.19'RT

N 24TH ST

+26.62
37.99'RT

+03.64
46.74'RT

LEGEND

XX IN — TREE REMOVAL (INCH DIAMETER)

xxxxxxxx — SAWING CONCRETE

XXXX — SAWING ASPHALT

STORM SEWER REMOVAL (ALL STORM SEWER PIPES ARE 12" UNLESS OTHERWISE NOTED)

SIDEWALK REMOVAL

PAVEMENT REMOVAL
(SEE NOTE FOR HMA PAVEMENT REMOVAL)

REMOVING ASPHALTIC SURFACE BUTT JOINT

INSTALL AND MAINTAIN INLET PROTECTION TYPE C

NOTES:

- SEE WATER AND SANITARY PLANS FOR ADDITIONAL SIDEWALK REMOVAL NOT SHOWN ON THE REMOVAL PLANS.
- SEE MISCELLANEOUS QUANTITIES FOR INLET AND MANHOLE STRUCTURE REMOVALS
- HMA PAVEMENT REMOVAL IS INCLUDED UNDER EXCAVATION COMMON BID ITEM WHEN CONCRETE IS NOT PRESENT UNDER EXISTING HMA PAVEMENT.
- SAWCUT LOCATIONS ARE APPROXIMATE. FIELD FIT.

N

+00.14
-45.71'LT

+68.30
-45.71'LT

N 24TH ST

EXISTING R/W

+16.48
-26.36'LT

+16.40
-17.32'LT

+51.36
-22.33'LT

+51.45
-17.88'LT

R/L STH 16

+41.49
-27.07'LT

+41.40
-17.10'LT

N LOSEY BLVD

EXISTING STORM SEWER 8-INCH

150+00

151+00

LA CROSSE ST (STH 16)

152+00

153+00

+76.86
-4.79'LT

+43.47
13.18'RT

MATCH PROJECT ID 7575-07-83

+76.89
10.90'RT

+62.71
37.89'RT

+99.33
37.93'RT

+36.28
38.00'RT

END PROJECT
STA 150+76.87

EXISTING R/W

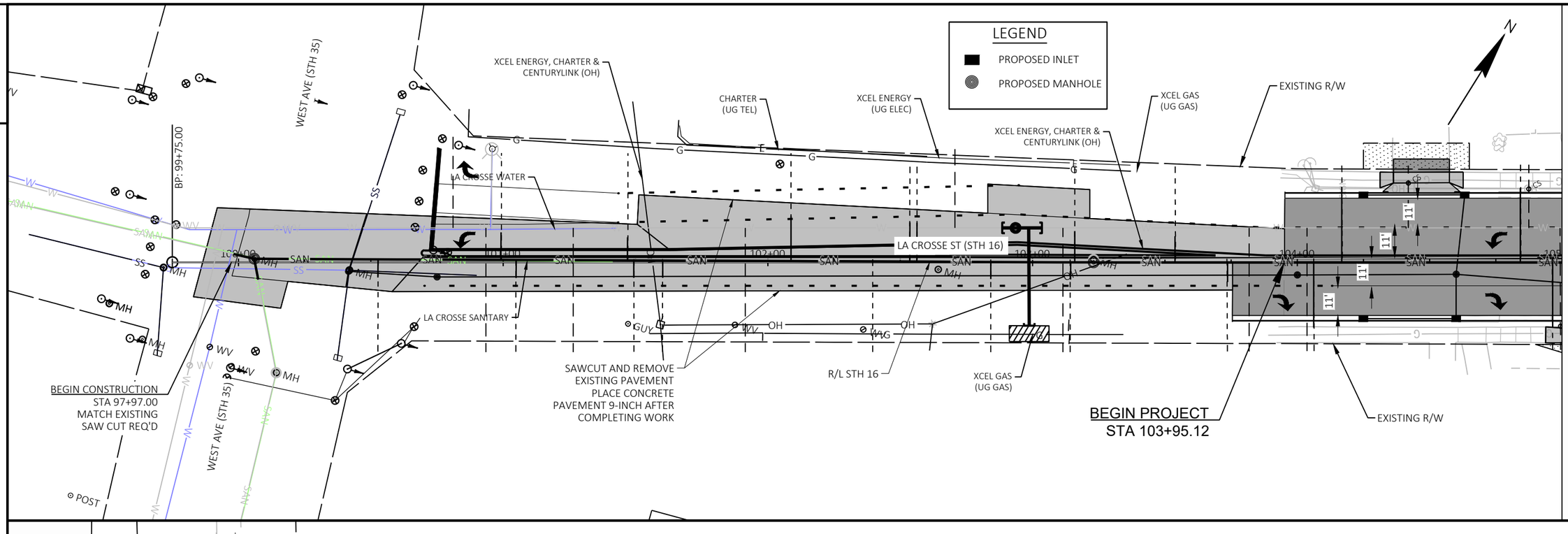
END CONSTRUCTION
STA 152+89.00
MATCH EXISTING
SAW CUT REQ'D

149+40.00

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	REMOVAL PLAN	SHEET 24	E

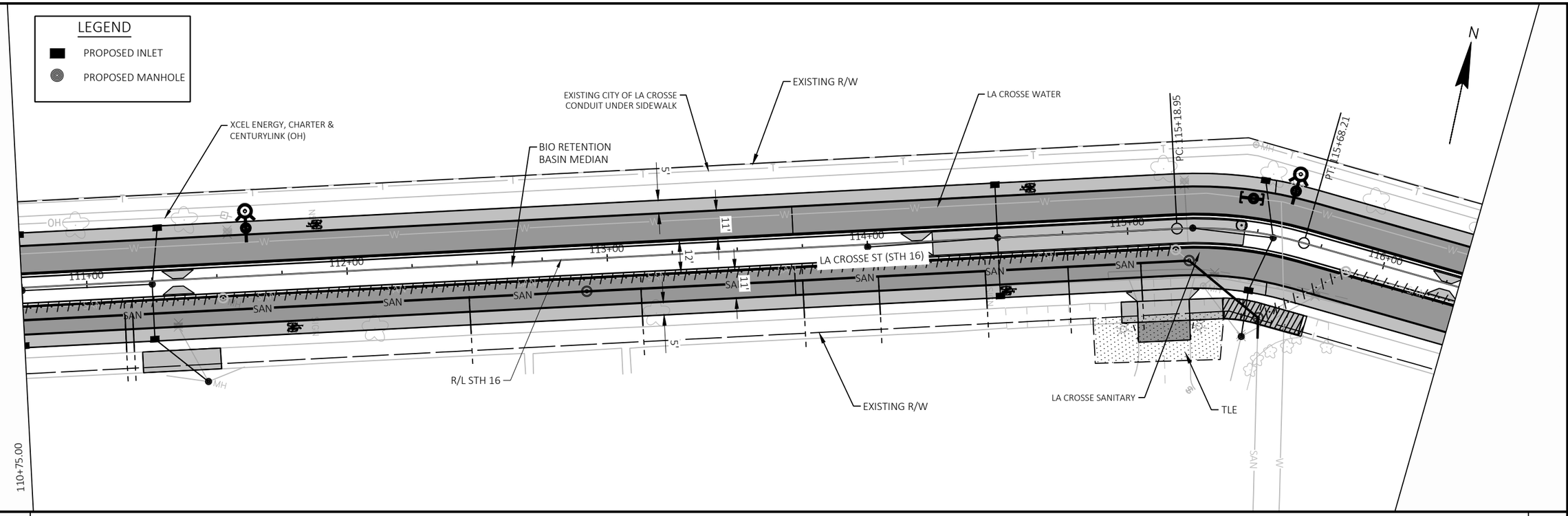
FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\7575073\SHEETSPLAN\021010_RM.DWG
LAYOUT NAME - 05

PLOT DATE : 10/22/2021 10:50 AM PLOT BY : MINSKY, MICHAEL PLOT NAME : PLOT SCALE : 1 IN:40 FT

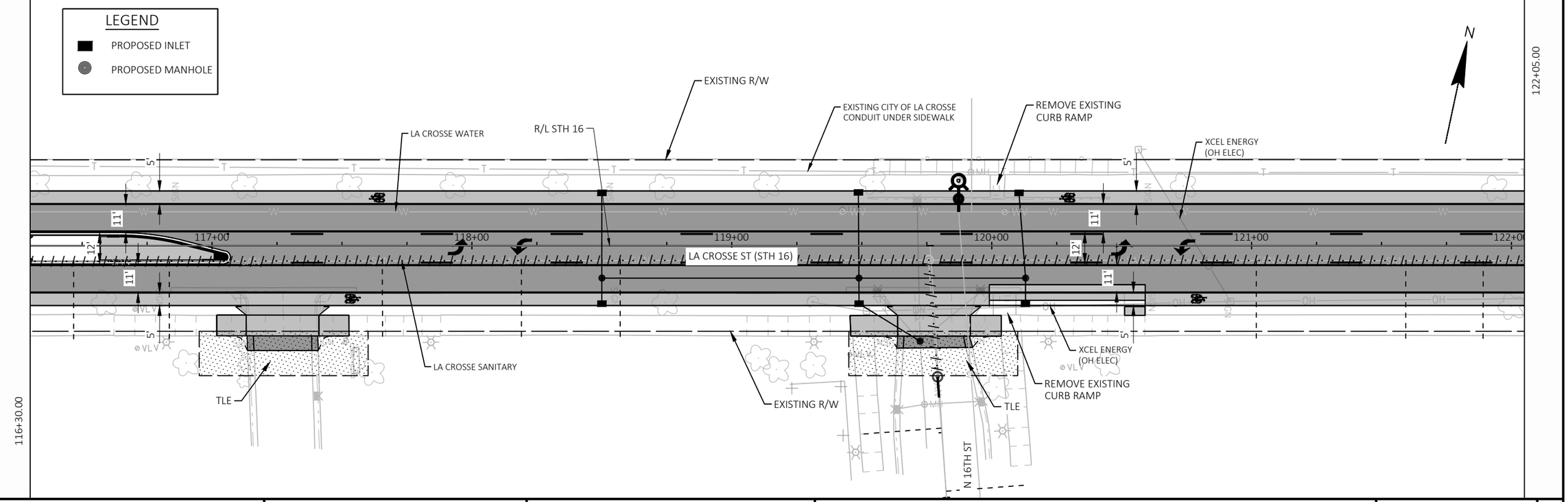


PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	PLAN DETAILS	SHEET 25	E

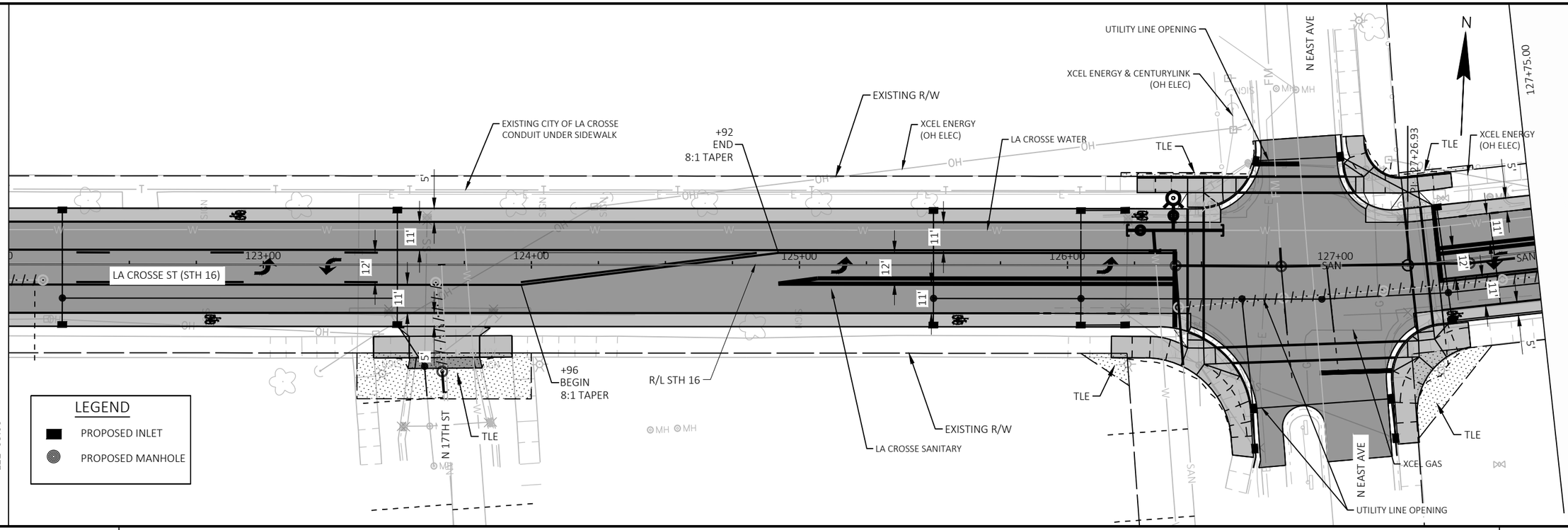
FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 021201_pd
PLOT DATE : 10/26/2021 7:28 AM PLOT BY : WEIGAND, BEN PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

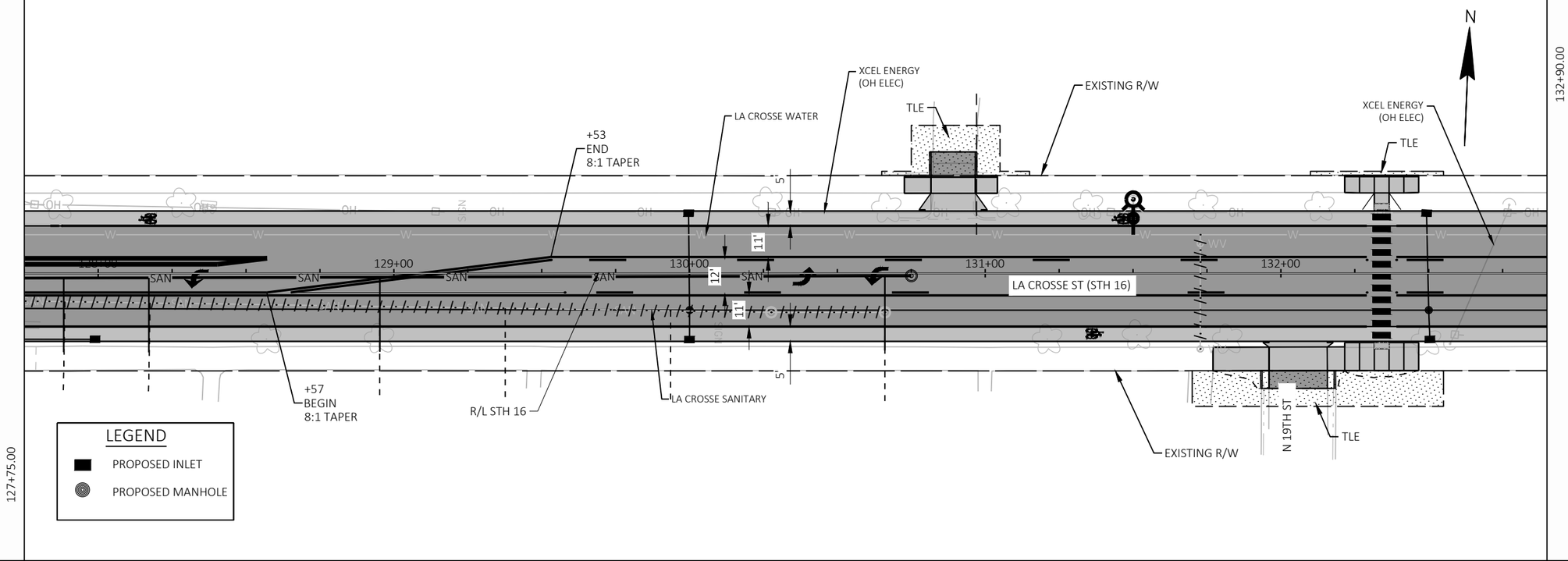


2

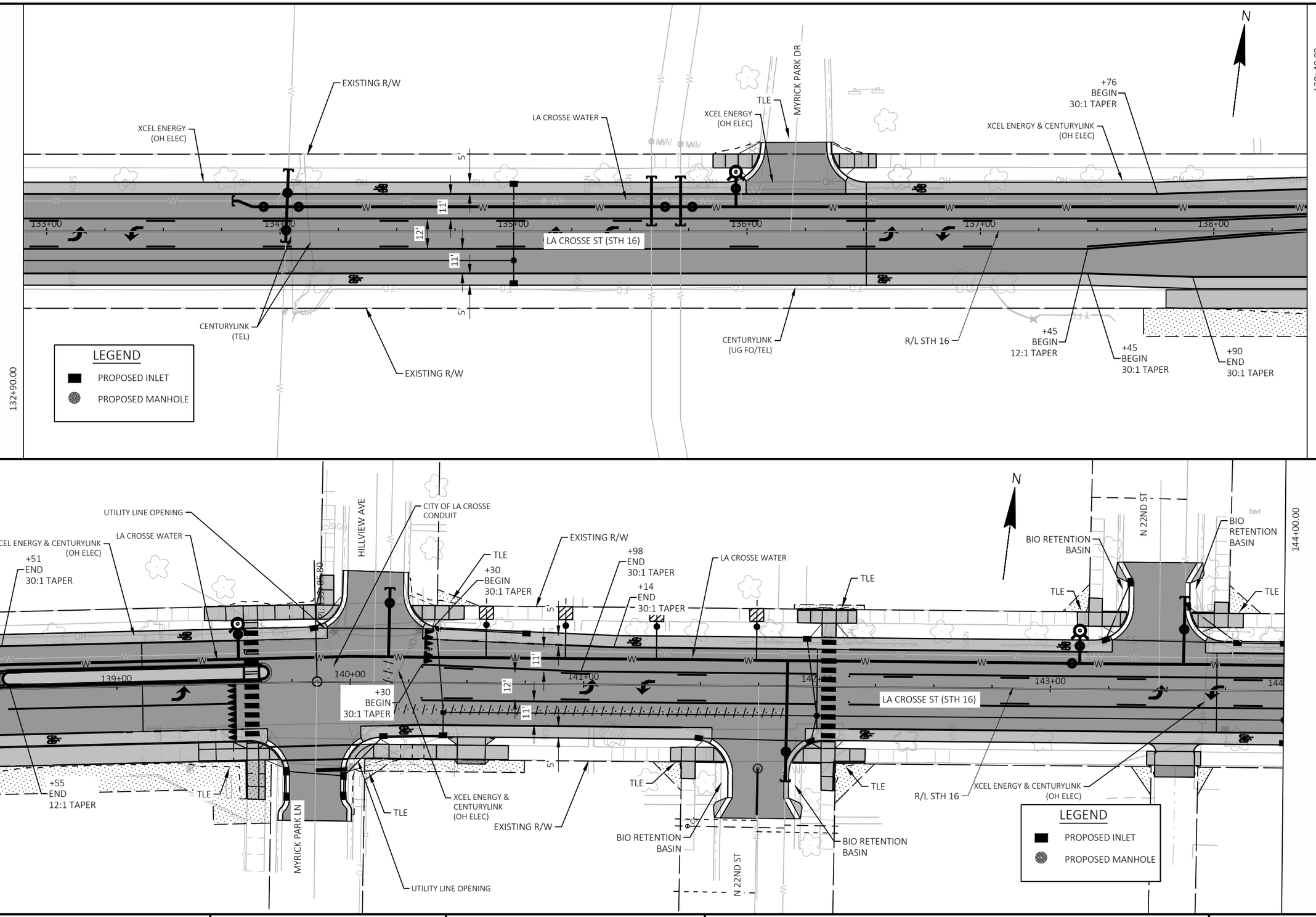


PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	PLAN DETAILS	SHEET 26	E





PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	PLAN DETAILS	SHEET 27	E



PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	PLAN DETAILS	SHEET 28	E

LEGEND
PROPOSED INLET
PROPOSED MANHOLE

N

TLE
LA CROSSE WATER
BIO RETENTION BASIN
N 23RD ST
XCEL ENERGY & CENTURYLINK (OH ELEC)
EXISTING R/W
LA CROSSE ST (STH 16)
R/L STH 16
SAN
144+00.00
145+00
146+00
147+00
148+00
149+00
149+40.00
5'
11'
12'
+59 BEGIN 8:1 TAPER
+39 END 8:1 TAPER
XCEL GAS
N 24TH ST

2

LEGEND
PROPOSED INLET
PROPOSED MANHOLE

N

N 24TH ST
EXISTING R/W
TLE
R/L STH 16
LA CROSSE ST (STH 16)
MATCH LINE PROJECT 7575-07-83
END PROJECT
STA 150+76.87
END CONSTRUCTION
STA 152+89.00
MATCH EXISTING
SAW CUT REQ'D
N LOSEY BLVD
EP: 153+14.22
149+40.00
150+00
151+00
152+00
153+00
11'
12'
9'
5'
10'
XCEL ENERGY & CENTURYLINK (OH ELEC)
XCEL GAS

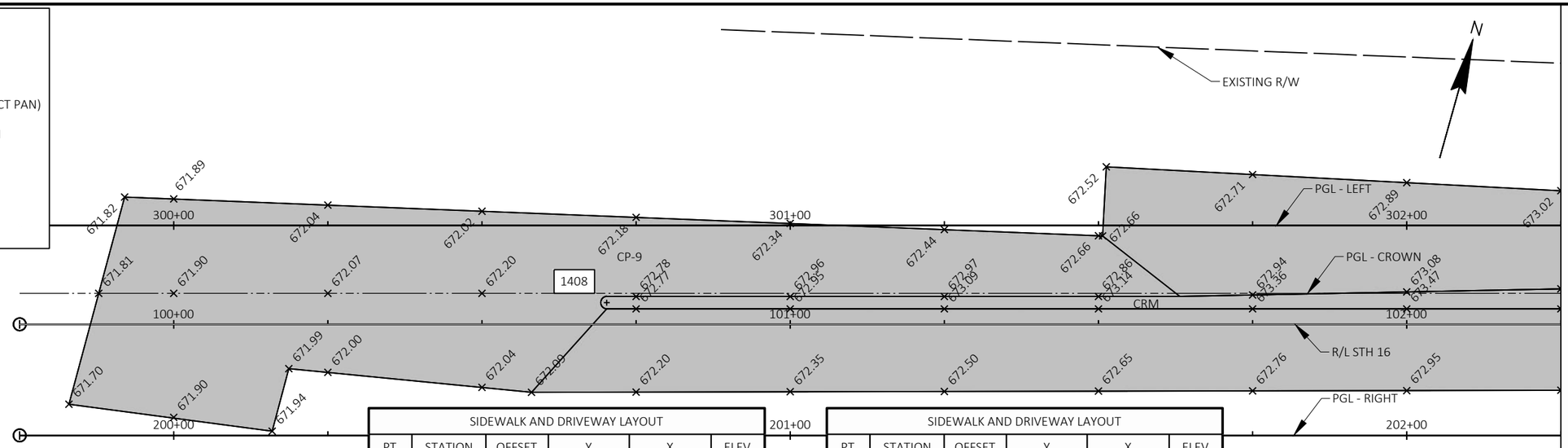
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	PLAN DETAILS	SHEET 29	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 021205_pd
PLOT DATE : 10/26/2021 7:28 AM PLOT BY : WEIGAND, BEN PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

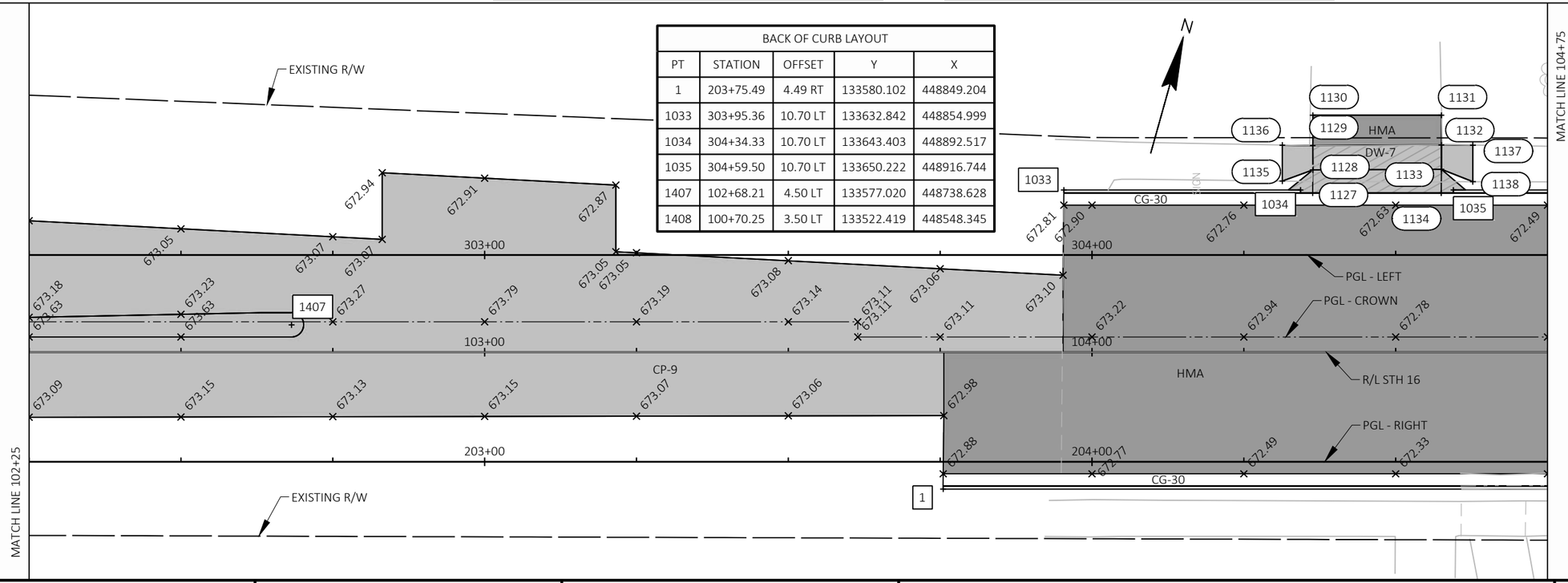
LEGEND

CP-9	CONC PAVEMENT 9-INCH
DW-7	CONC DRIVEWAY 7-INCH
HMA	HMA PAVEMENT
CG-18	CONC C&G 18-INCH TYPE L
CG-18R	CONC C&G 18-INCH TYPE L (REJECT PAN)
CG-30	CONC C&G 30-INCH TYPE L
CGM-18	CONC C&G MOUNTABLE 18-INCH
CG-66	CONC C&G 66-INCH TYPE L
RCCG	REINFORCED CONC C&G
SW-5	CONC SIDEWALK 5-INCH
CRM	CONC RAISED MEDIAN
BNM	CONC BLUNT NOSE MEDIAN
SNM	CONC SLOPED NOSE MEDIAN
6-CA	6-INCH CONC APRON



SIDEWALK AND DRIVEWAY LAYOUT					
PT	STATION	OFFSET	Y	X	ELEV
1127	304+36.33	10.20 LT	133643.463	448894.578	672.66
1128	304+36.35	13.99 LT	133647.113	448893.572	672.92
1129	304+36.33	17.99 LT	133650.958	448892.468	672.98
1130	304+36.35	23.00 LT	133655.784	448891.131	673.36
1131	304+57.52	22.99 LT	133661.512	448911.510	673.28
1132	304+57.52	18.10 LT	133656.808	448912.834	673.21

SIDEWALK AND DRIVEWAY LAYOUT					
PT	STATION	OFFSET	Y	X	ELEV
1133	304+57.52	14.10 LT	133652.956	448913.918	672.78
1134	304+57.50	10.20 LT	133649.199	448914.954	672.55
1135	304+31.33	12.16 LT	133643.997	448889.233	673.05
1136	304+31.33	18.08 LT	133649.694	448887.629	673.31
1137	304+62.72	18.08 LT	133658.191	448917.843	673.18
1138	304+62.72	12.06 LT	133652.397	448919.474	672.88



BACK OF CURB LAYOUT				
PT	STATION	OFFSET	Y	X
1	203+75.49	4.49 RT	133580.102	448849.204
1033	303+95.36	10.70 LT	133632.842	448854.999
1034	304+34.33	10.70 LT	133643.403	448892.517
1035	304+59.50	10.70 LT	133650.222	448916.744
1407	102+68.21	4.50 LT	133577.020	448738.628
1408	100+70.25	3.50 LT	133522.419	448548.345

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	PAVING GRADES	SHEET 30	E

2

LEGEND	
CP-9	CONC PAVEMENT 9-INCH
DW-7	CONC DRIVEWAY 7-INCH
HMA	HMA PAVEMENT
CG-18	CONC C&G 18-INCH TYPE L
CG-18R	CONC C&G 18-INCH TYPE L (REJECT PAN)
CG-30	CONC C&G 30-INCH TYPE L
CGM-18	CONC C&G MOUNTABLE 18-INCH
CG-66	CONC C&G 66-INCH TYPE L
RCCG	REINFORCED CONC C&G
SW-5	CONC SIDEWALK 5-INCH
CRM	CONC RAISED MEDIAN
BNM	CONC BLUNT NOSE MEDIAN
SNM	CONC SLOPED NOSE MEDIAN
6-CA	6-INCH CONC APRON

*SEE CURBRAMP DETAIL SHEETS FOR MORE CURB GRADES

SIDEWALK AND DRIVEWAY LAYOUT					
PT	STATION	OFFSET	Y	X	ELEV
1151	306+38.74	17.69 LT	133705.512	449087.381	673.58
1152	306+38.73	11.76 LT	133699.803	449088.981	673.22
1153	306+74.73	11.72 LT	133709.517	449123.646	673.40
1154	306+74.74	17.65 LT	133715.226	449122.046	673.55
1155	306+90.05	9.39 LT	133711.422	449139.022	672.97
1156	306+90.05	12.22 LT	133714.153	449138.253	673.15
1157	306+90.04	18.22 LT	133719.928	449136.625	673.27
1158	306+90.05	23.08 LT	133724.605	449135.311	673.66
1159	307+30.35	23.08 LT	133735.526	449174.112	673.79

SIDEWALK AND DRIVEWAY LAYOUT					
PT	STATION	OFFSET	Y	X	ELEV
1160	307+30.35	18.24 LT	133730.864	449175.422	673.37
1161	307+30.35	12.24 LT	133725.089	449177.050	673.27
1162	307+30.35	8.04 LT	133721.051	449178.187	672.96
1163	307+35.29	12.22 LT	133726.411	449181.805	673.48
1164	307+35.29	18.06 LT	133732.035	449180.222	673.66

N

MATCH LINE 107+75

2

MATCH LINE 104+75

BACK OF CURB LAYOUT				
PT	STATION	OFFSET	Y	X
2	205+06.55	4.49 RT	133615.614	448975.362
3	205+06.55	33.99 RT	133587.217	448983.356
4	205+22.09	8.92 RT	133615.565	448991.520
5	205+14.07	21.56 RT	133601.228	448987.229
6	205+26.80	13.65 RT	133612.285	448997.343
7	205+01.67	29.10 RT	133590.610	448977.332
8	205+31.17	29.21 RT	133598.492	449005.759
9	205+31.47	61.69 RT	133567.314	449014.852
10	205+68.27	61.05 RT	133577.894	449050.096
11	205+68.32	42.51 RT	133595.760	449045.119
12	205+68.32	29.85 RT	133607.940	449041.690
13	205+72.74	14.31 RT	133624.098	449041.739

BACK OF CURB LAYOUT				
PT	STATION	OFFSET	Y	X
14	205+97.82	29.85 RT	133615.933	449070.087
15	205+97.16	33.16 RT	133612.574	449070.348
16	205+77.43	9.63 RT	133629.879	449044.981
17	205+85.07	21.95 RT	133620.084	449055.673
18	205+92.97	34.70 RT	133609.952	449066.734
19	205+92.97	5.20 RT	133638.349	449058.740
678	105+89.55	2.70 RT	133657.159	449049.891
679	105+89.55	5.20 RT	133654.752	449050.569
680	105+89.54	0.20 RT	133659.566	449049.212
681	106+32.59	0.18 RT	133671.248	449090.638
682	106+32.59	5.20 RT	133666.411	449092.001
683	106+32.59	2.69 RT	133668.830	449091.320

BACK OF CURB LAYOUT				
PT	STATION	OFFSET	Y	X
1036	305+16.01	10.70 LT	133665.533	448971.139
1037	305+16.01	25.20 LT	133679.491	448967.210
1038	305+30.50	25.65 LT	133683.845	448981.041
1039	305+29.75	50.67 LT	133707.728	448973.538
1040	305+66.57	52.04 LT	133719.026	449008.606
1041	305+67.56	25.74 LT	133693.973	449016.692
1042	305+82.05	26.30 LT	133698.441	449030.487
1043	305+82.05	11.80 LT	133684.484	449034.415
1044	306+32.67	11.80 LT	133698.199	449083.142
1045	306+88.05	9.95 LT	133711.426	449136.943
1046	307+32.35	8.48 LT	133722.010	449179.994

STA 106+65.73, 22.70' RT
BEGIN CURB CUT
DRIVEWAY BY OTHERS

STA 107+23.56, 22.76' RT
END CURB CUT
DRIVEWAY BY OTHERS

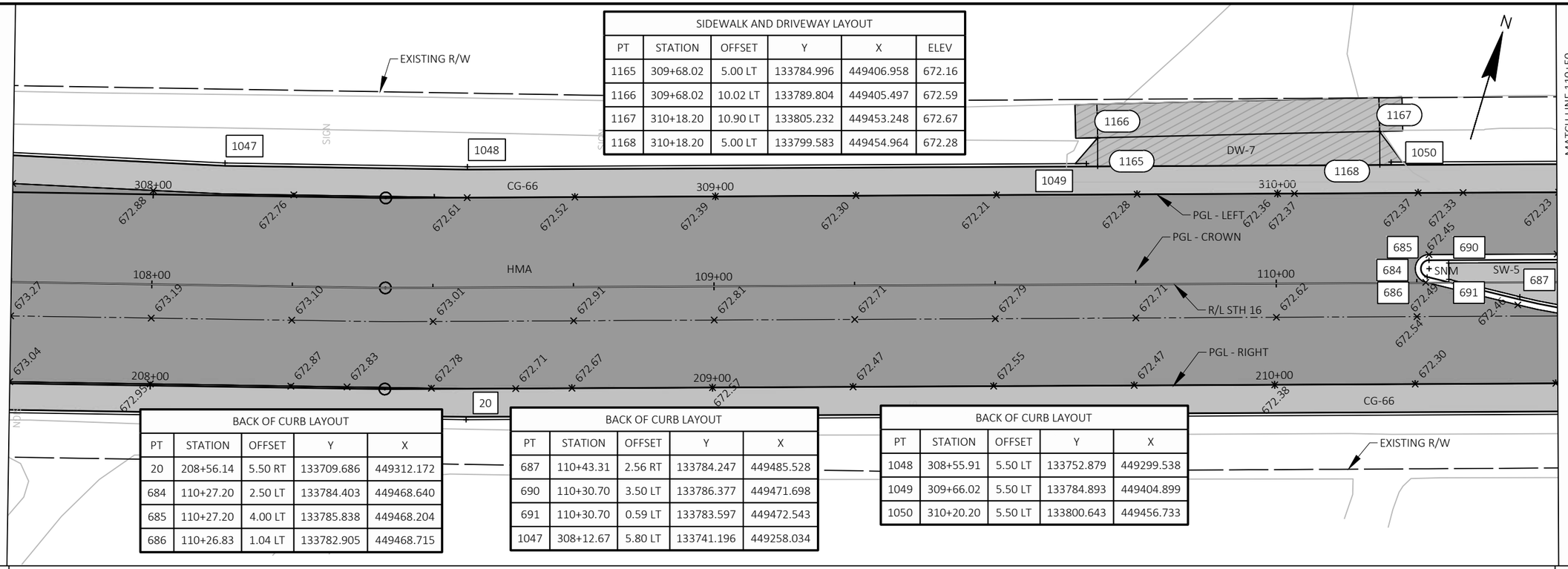
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	PAVING GRADES	SHEET 31	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\7575073\SHEETSPLAN\021202_PD.DWG
LAYOUT NAME - 02

PLOT DATE : 10/29/2021 9:32 AM PLOT BY : WEIGAND, BEN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

SIDEWALK AND DRIVEWAY LAYOUT					
PT	STATION	OFFSET	Y	X	ELEV
1165	309+68.02	5.00 LT	133784.996	449406.958	672.16
1166	309+68.02	10.02 LT	133789.804	449405.497	672.59
1167	310+18.20	10.90 LT	133805.232	449453.248	672.67
1168	310+18.20	5.00 LT	133799.583	449454.964	672.28



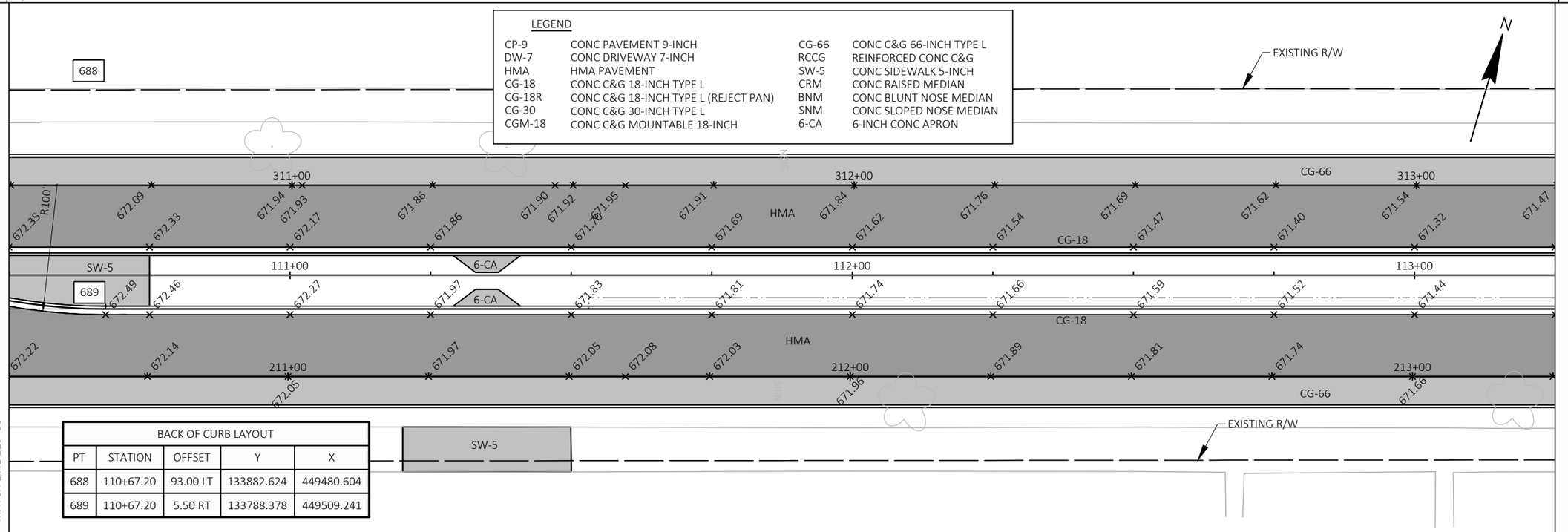
BACK OF CURB LAYOUT				
PT	STATION	OFFSET	Y	X
20	208+56.14	5.50 RT	133709.686	449312.172
684	110+27.20	2.50 LT	133784.403	449468.640
685	110+27.20	4.00 LT	133785.838	449468.204
686	110+26.83	1.04 LT	133782.905	449468.715

BACK OF CURB LAYOUT				
PT	STATION	OFFSET	Y	X
687	110+43.31	2.56 RT	133784.247	449485.528
690	110+30.70	3.50 LT	133786.377	449471.698
691	110+30.70	0.59 LT	133783.597	449472.543
1047	308+12.67	5.80 LT	133741.196	449258.034

BACK OF CURB LAYOUT				
PT	STATION	OFFSET	Y	X
1048	308+55.91	5.50 LT	133752.879	449299.538
1049	309+66.02	5.50 LT	133784.893	449404.899
1050	310+20.20	5.50 LT	133800.643	449456.733

LEGEND

CP-9	CONC PAVEMENT 9-INCH	CG-66	CONC C&G 66-INCH TYPE L
DW-7	CONC DRIVEWAY 7-INCH	RCCG	REINFORCED CONC C&G
HMA	HMA PAVEMENT	SW-5	CONC SIDEWALK 5-INCH
CG-18	CONC C&G 18-INCH TYPE L	CRM	CONC RAISED MEDIAN
CG-18R	CONC C&G 18-INCH TYPE L (REJECT PAN)	BNM	CONC BLUNT NOSE MEDIAN
CG-30	CONC C&G 30-INCH TYPE L	SNM	CONC SLOPED NOSE MEDIAN
CGM-18	CONC C&G MOUNTABLE 18-INCH	6-CA	6-INCH CONC APRON



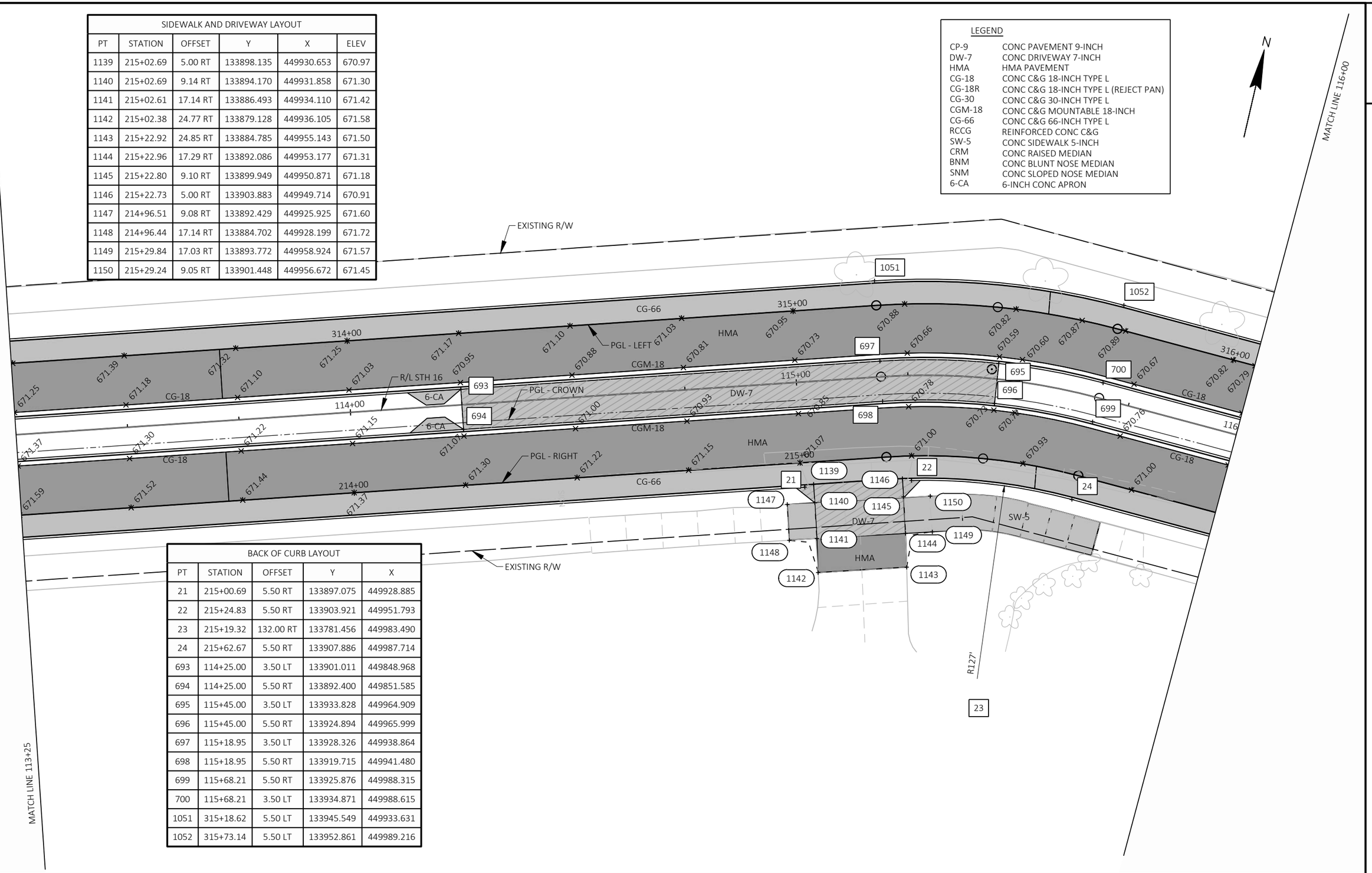
BACK OF CURB LAYOUT				
PT	STATION	OFFSET	Y	X
688	110+67.20	93.00 LT	133882.624	449480.604
689	110+67.20	5.50 RT	133788.378	449509.241

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	PAVING GRADES	SHEET 32	E

SIDEWALK AND DRIVEWAY LAYOUT					
PT	STATION	OFFSET	Y	X	ELEV
1139	215+02.69	5.00 RT	133898.135	449930.653	670.97
1140	215+02.69	9.14 RT	133894.170	449931.858	671.30
1141	215+02.61	17.14 RT	133886.493	449934.110	671.42
1142	215+02.38	24.77 RT	133879.128	449936.105	671.58
1143	215+22.92	24.85 RT	133884.785	449955.143	671.50
1144	215+22.96	17.29 RT	133892.086	449953.177	671.31
1145	215+22.80	9.10 RT	133899.949	449950.871	671.18
1146	215+22.73	5.00 RT	133903.883	449949.714	670.91
1147	214+96.51	9.08 RT	133892.429	449925.925	671.60
1148	214+96.44	17.14 RT	133884.702	449928.199	671.72
1149	215+29.84	17.03 RT	133893.772	449958.924	671.57
1150	215+29.24	9.05 RT	133901.448	449956.672	671.45

LEGEND

CP-9	CONC PAVEMENT 9-INCH
DW-7	CONC DRIVEWAY 7-INCH
HMA	HMA PAVEMENT
CG-18	CONC C&G 18-INCH TYPE L
CG-18R	CONC C&G 18-INCH TYPE L (REJECT PAN)
CG-30	CONC C&G 30-INCH TYPE L
CGM-18	CONC C&G MOUNTABLE 18-INCH
CG-66	CONC C&G 66-INCH TYPE L
RCCG	REINFORCED CONC C&G
SW-5	CONC SIDEWALK 5-INCH
CRM	CONC RAISED MEDIAN
BNM	CONC BLUNT NOSE MEDIAN
SNM	CONC SLOPED NOSE MEDIAN
6-CA	6-INCH CONC APRON



BACK OF CURB LAYOUT				
PT	STATION	OFFSET	Y	X
21	215+00.69	5.50 RT	133897.075	449928.885
22	215+24.83	5.50 RT	133903.921	449951.793
23	215+19.32	132.00 RT	133781.456	449983.490
24	215+62.67	5.50 RT	133907.886	449987.714
693	114+25.00	3.50 LT	133901.011	449848.968
694	114+25.00	5.50 RT	133892.400	449851.585
695	115+45.00	3.50 LT	133933.828	449964.909
696	115+45.00	5.50 RT	133924.894	449965.999
697	115+18.95	3.50 LT	133928.326	449938.864
698	115+18.95	5.50 RT	133919.715	449941.480
699	115+68.21	5.50 RT	133925.876	449988.315
700	115+68.21	3.50 LT	133934.871	449988.615
1051	315+18.62	5.50 LT	133945.549	449933.631
1052	315+73.14	5.50 LT	133952.861	449989.216

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	PAVING GRADES	SHEET 33	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\7575073\SHEETSPLAN\021202_PD.DWG
LAYOUT NAME - 04
PLOT DATE : 10/18/2021 1:53 PM PLOT BY : WEIGAND, BEN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

2

LEGEND	
CP-9	CONC PAVEMENT 9-INCH
DW-7	CONC DRIVEWAY 7-INCH
HMA	HMA PAVEMENT
CG-18	CONC C&G 18-INCH TYPE L
CG-18R	CONC C&G 18-INCH TYPE L (REJECT PAN)
CG-30	CONC C&G 30-INCH TYPE L
CGM-18	CONC C&G MOUNTABLE 18-INCH
CG-66	CONC C&G 66-INCH TYPE L
RCCG	REINFORCED CONC C&G
SW-5	CONC SIDEWALK 5-INCH
CRM	CONC RAISED MEDIAN
BNM	CONC BLUNT NOSE MEDIAN
SNM	CONC SLOPED NOSE MEDIAN
6-CA	6-INCH CONC APRON

SIDEWALK AND DRIVEWAY LAYOUT					
PT	STATION	OFFSET	Y	X	ELEV
1181	217+07.56	5.00 RT	133903.548	450132.536	670.07
1182	217+07.56	8.72 RT	133899.833	450132.412	670.47
1183	217+07.55	16.72 RT	133891.838	450132.142	670.59
1184	217+10.29	16.72 RT	133891.746	450134.873	670.57
1185	217+10.59	22.34 RT	133886.117	450134.986	670.78
1186	217+35.56	5.00 RT	133902.613	450160.521	669.89
1187	217+35.56	8.73 RT	133898.887	450160.396	670.26
1188	217+35.55	16.73 RT	133890.891	450160.126	670.38
1189	217+32.74	16.73 RT	133890.986	450157.312	670.40
1190	217+32.85	22.35 RT	133885.365	450157.231	670.61
1191	216+96.23	8.71 RT	133900.216	450121.091	670.84
1192	216+96.27	16.71 RT	133892.220	450120.861	670.97
1193	217+47.10	8.73 RT	133898.496	450171.928	670.46
1194	217+47.14	16.73 RT	133890.500	450171.702	670.50

N

MATCH LINE 119+00

EXISTING R/W

317+00 318+00 319+00

CG-66

670.57 670.63 670.43 670.23 670.04 670.01 669.88 669.72 669.56 669.40 669.24 669.08 668.92 668.76

PGL - LEFT

CG-18 6-CA 670.62 670.68 670.57 670.45 670.45

R/L STH 16

HMA

701 SW-5 R99' 702 703 R2' 706 708 SNM 704 707

117+00 118+00 119

670.79 670.89 670.89 670.66 670.44 670.37 670.21 670.05 669.89 669.73 669.57 669.41

PGL - CROSSING

CG-18

216+00 217+00 218+00

671.00 670.85 670.62 670.48 670.39 670.25 670.21 670.05 669.89 669.73 669.57 669.41 669.25 669.09

PGL - RIGHT

CG-66

1181 1186 25 26 1191 1193 1182 DW-7 1187 SW-5 SW-5

1192 1183 1184 HMA 1189 1188 1194 1185 1190

CG-30 CG-30

EXISTING R/W

705

MATCH LINE 116+00

BACK OF CURB LAYOUT				
PT	STATION	OFFSET	Y	X
25	217+05.56	5.50 RT	133903.115	450130.521
26	217+37.56	5.50 RT	133902.047	450162.503
701	116+64.47	3.50 LT	133931.657	450084.822
702	116+88.36	0.56 LT	133927.920	450108.601
703	117+00.97	2.59 RT	133924.347	450121.101
704	117+00.97	5.50 RT	133921.443	450121.004
705	116+64.47	95.00 RT	133833.212	450081.534
706	117+04.84	3.04 RT	133923.768	450124.948
707	117+04.47	6.00 RT	133920.827	450124.486
708	117+04.47	4.50 RT	133922.326	450124.536

2

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	PAVING GRADES	SHEET 34	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\021202_PD.DWG
LAYOUT NAME - 05

PLOT DATE : 10/18/2021 1:53 PM PLOT BY : WEIGAND, BEN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

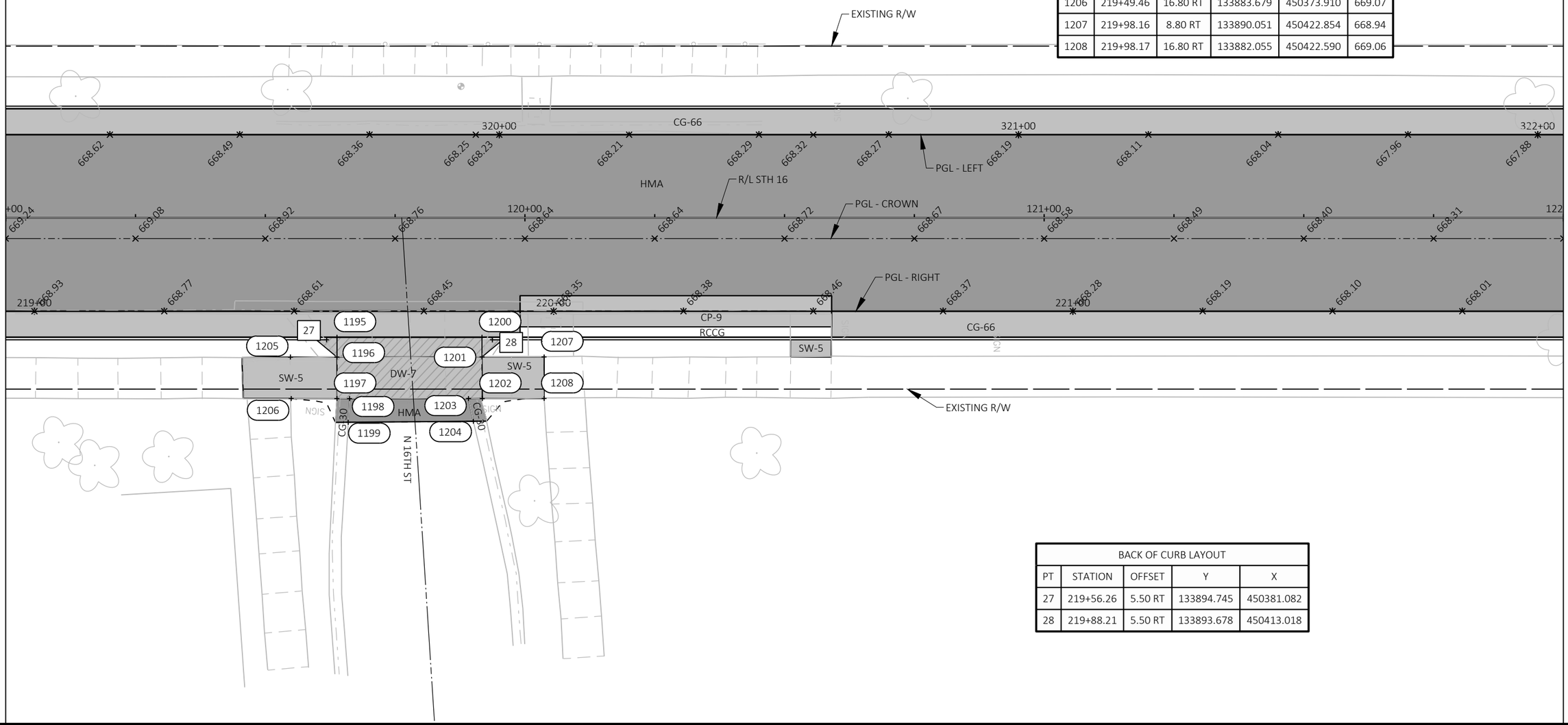
2

LEGEND

CP-9	CONC PAVEMENT 9-INCH
DW-7	CONC DRIVEWAY 7-INCH
HMA	HMA PAVEMENT
CG-18	CONC C&G 18-INCH TYPE L
CG-18R	CONC C&G 18-INCH TYPE L (REJECT PAN)
CG-30	CONC C&G 30-INCH TYPE L
CGM-18	CONC C&G MOUNTABLE 18-INCH
CG-66	CONC C&G 66-INCH TYPE L
RCCG	REINFORCED CONC C&G
SW-5	CONC SIDEWALK 5-INCH
CRM	CONC RAISED MEDIAN
BNM	CONC BLUNT NOSE MEDIAN
SNM	CONC SLOPED NOSE MEDIAN
6-CA	6-INCH CONC APRON

SIDEWALK AND DRIVEWAY LAYOUT

PT	STATION	OFFSET	Y	X	ELEV
1195	219+58.26	5.00 RT	133895.178	450383.097	668.46
1196	219+58.26	8.81 RT	133891.365	450382.970	668.79
1197	219+58.26	16.81 RT	133883.369	450382.706	668.91
1198	219+60.69	16.81 RT	133883.290	450385.129	668.90
1199	219+60.44	21.37 RT	133878.743	450384.733	668.37
1201	219+86.21	8.80 RT	133890.444	450410.909	668.65
1202	219+86.26	16.82 RT	133882.434	450410.692	668.77
1203	219+83.61	16.80 RT	133882.534	450408.043	668.78
1204	219+84.53	21.19 RT	133878.118	450408.810	668.43
1205	219+49.32	8.82 RT	133891.660	450374.032	669.10
1206	219+49.46	16.80 RT	133883.679	450373.910	669.07
1207	219+98.16	8.80 RT	133890.051	450422.854	668.94
1208	219+98.17	16.80 RT	133882.055	450422.590	669.06



BACK OF CURB LAYOUT

PT	STATION	OFFSET	Y	X
27	219+56.26	5.50 RT	133894.745	450381.082
28	219+88.21	5.50 RT	133893.678	450413.018

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	PAVING GRADES	SHEET 35	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\7575073\SHEETSPLAN\021202_PD.DWG
LAYOUT NAME - 06
PLOT DATE : 10/18/2021 1:54 PM PLOT BY : WEIGAND, BEN PLOT NAME : PLOT SCALE : 1 IN:20 FT

2

SIDEWALK AND DRIVEWAY LAYOUT					
PT	STATION	OFFSET	Y	X	ELEV
1209	223+48.91	5.00 RT	133882.134	450773.536	667.33
1210	223+48.91	8.69 RT	133878.444	450773.413	667.63
1211	223+48.97	16.69 RT	133870.447	450773.199	667.75
1212	223+51.55	16.71 RT	133870.343	450775.780	667.74
1213	223+51.01	20.68 RT	133866.394	450775.106	667.57
1214	223+75.15	5.00 RT	133881.258	450799.754	667.41
1215	223+75.15	8.52 RT	133877.740	450799.637	667.71
1216	223+75.20	16.52 RT	133869.743	450799.422	667.83
1217	223+72.75	16.54 RT	133869.809	450796.978	667.82
1218	223+73.64	20.53 RT	133865.787	450797.728	667.48
1219	223+35.60	8.78 RT	133878.801	450760.102	667.90
1220	223+35.65	16.78 RT	133870.804	450759.887	668.01
1221	223+87.22	8.44 RT	133877.417	450811.703	668.00
1222	223+87.27	16.44 RT	133869.419	450811.488	668.12

LEGEND

CP-9	CONC PAVEMENT 9-INCH
DW-7	CONC DRIVEWAY 7-INCH
HMA	HMA PAVEMENT
CG-18	CONC C&G 18-INCH TYPE L
CG-18R	CONC C&G 18-INCH TYPE L (REJECT PAN)
CG-30	CONC C&G 30-INCH TYPE L
CGM-18	CONC C&G MOUNTABLE 18-INCH
CG-66	CONC C&G 66-INCH TYPE L
RCCG	REINFORCED CONC C&G
SW-5	CONC SIDEWALK 5-INCH
CRM	CONC RAISED MEDIAN
BNM	CONC BLUNT NOSE MEDIAN
SNM	CONC SLOPED NOSE MEDIAN
6-CA	6-INCH CONC APRON

N

MATCH LINE 124+75

EXISTING R/W

CG-66 323+00 667.80 667.72 667.64 667.56 667.48 667.40 667.32 324+00 667.24 667.16 667.08 667.00

PGL - LEFT

HMA

R/L STH 16

PGL - CROWN

123+00 668.21 668.12 668.03 667.94 667.85 667.75 667.69 667.77 124+00 667.85 667.88 667.80

PGL - RIGHT

222+00 667.91 667.82 667.73 667.64 223+00 667.53 667.45 667.40 667.43 667.51 224+00 667.58 667.60 667.54 667.49

CG-66

1209 1214 1219 29 30 1221 1210 1215 SW-5 DW-7 SW-5 1220 1211 1212 1217 1216 1222 1213 1218 CG-30 CG-30 HMA

EXISTING R/W

N 17TH ST

BACK OF CURB LAYOUT				
PT	STATION	OFFSET	Y	X
29	223+46.91	5.50 RT	133881.701	450771.520
30	223+77.15	5.50 RT	133880.692	450801.737

MATCH LINE 122+00

2

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	PAVING GRADES	SHEET 36	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\7575073\SHEETSPLAN\021202_PD.DWG
LAYOUT NAME - 07

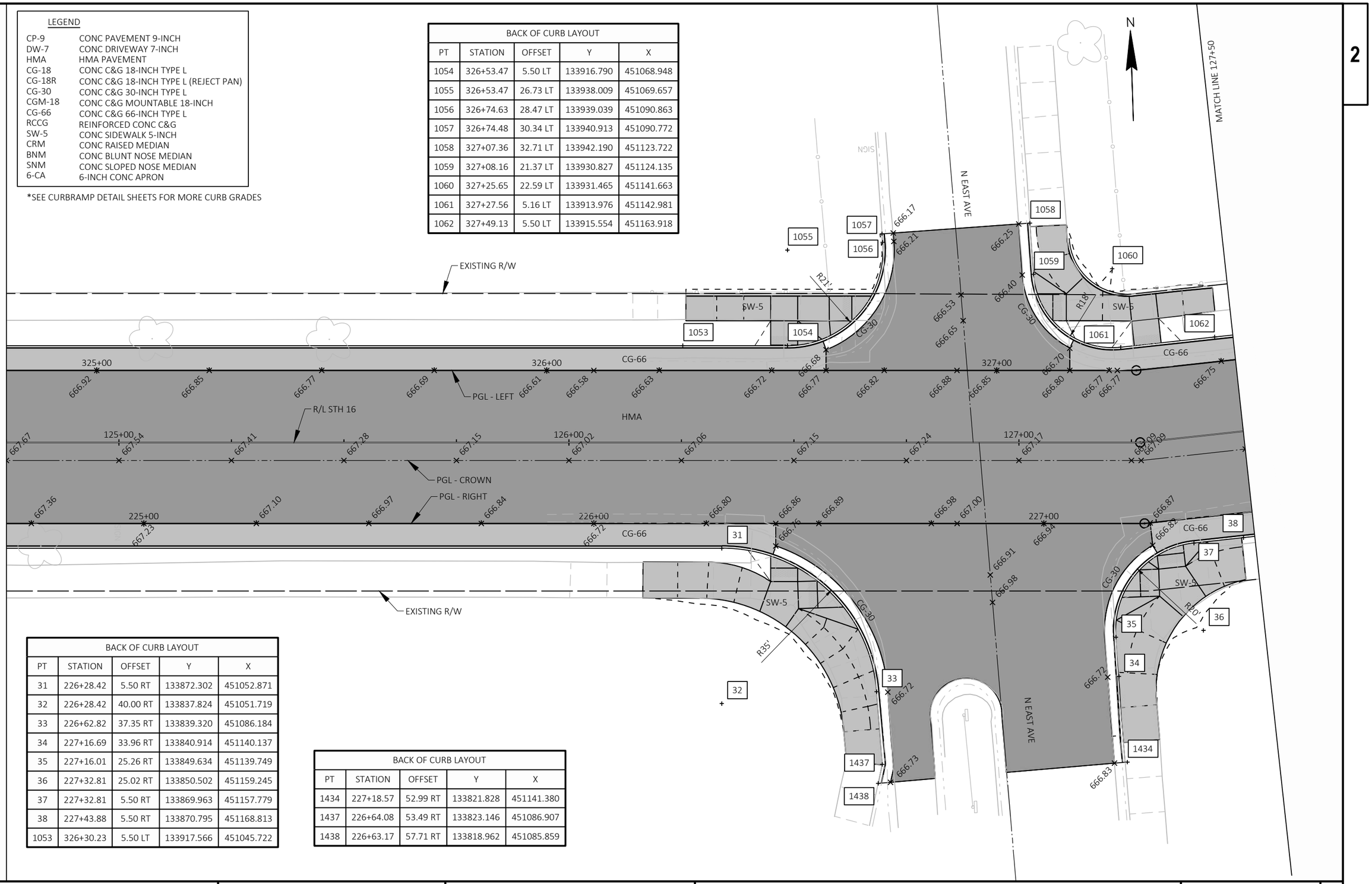
PLOT DATE : 10/18/2021 1:54 PM PLOT BY : WEIGAND, BEN PLOT NAME : PLOT SCALE : 1 IN:20 FT

LEGEND

CP-9	CONC PAVEMENT 9-INCH
DW-7	CONC DRIVEWAY 7-INCH
HMA	HMA PAVEMENT
CG-18	CONC C&G 18-INCH TYPE L
CG-18R	CONC C&G 18-INCH TYPE L (REJECT PAN)
CG-30	CONC C&G 30-INCH TYPE L
CGM-18	CONC C&G MOUNTABLE 18-INCH
CG-66	CONC C&G 66-INCH TYPE L
RCCG	REINFORCED CONC C&G
SW-5	CONC SIDEWALK 5-INCH
CRM	CONC RAISED MEDIAN
BNM	CONC BLUNT NOSE MEDIAN
SNM	CONC SLOPED NOSE MEDIAN
6-CA	6-INCH CONC APRON

*SEE CURBRAMP DETAIL SHEETS FOR MORE CURB GRADES

BACK OF CURB LAYOUT				
PT	STATION	OFFSET	Y	X
1054	326+53.47	5.50 LT	133916.790	451068.948
1055	326+53.47	26.73 LT	133938.009	451069.657
1056	326+74.63	28.47 LT	133939.039	451090.863
1057	326+74.48	30.34 LT	133940.913	451090.772
1058	327+07.36	32.71 LT	133942.190	451123.722
1059	327+08.16	21.37 LT	133930.827	451124.135
1060	327+25.65	22.59 LT	133931.465	451141.663
1061	327+27.56	5.16 LT	133913.976	451142.981
1062	327+49.13	5.50 LT	133915.554	451163.918



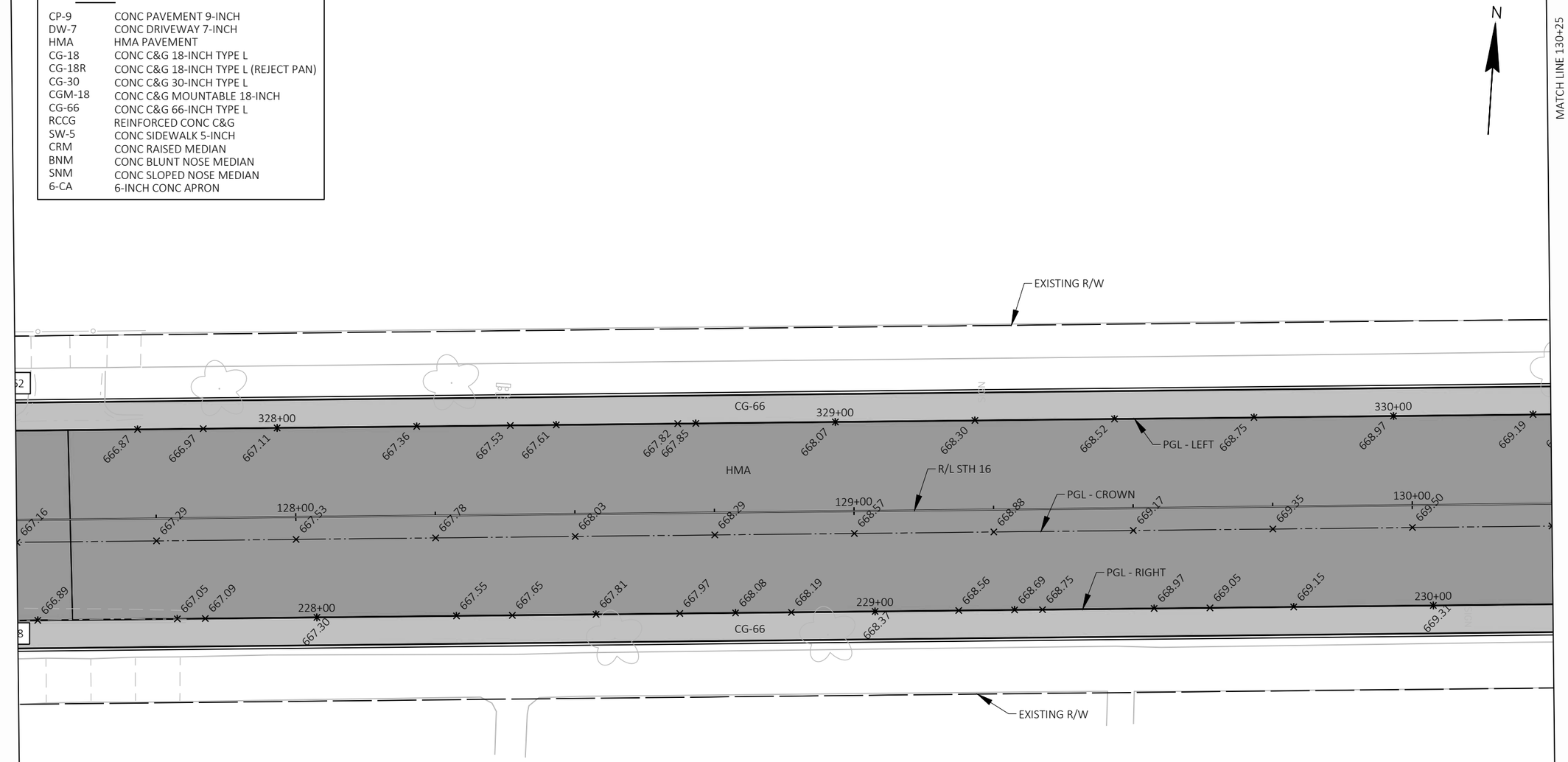
BACK OF CURB LAYOUT				
PT	STATION	OFFSET	Y	X
31	226+28.42	5.50 RT	133872.302	451052.871
32	226+28.42	40.00 RT	133837.824	451051.719
33	226+62.82	37.35 RT	133839.320	451086.184
34	227+16.69	33.96 RT	133840.914	451140.137
35	227+16.01	25.26 RT	133849.634	451139.749
36	227+32.81	25.02 RT	133850.502	451159.245
37	227+32.81	5.50 RT	133869.963	451157.779
38	227+43.88	5.50 RT	133870.795	451168.813
1053	326+30.23	5.50 LT	133917.566	451045.722

BACK OF CURB LAYOUT				
PT	STATION	OFFSET	Y	X
1434	227+18.57	52.99 RT	133821.828	451141.380
1437	226+64.08	53.49 RT	133823.146	451086.907
1438	226+63.17	57.71 RT	133818.962	451085.859

2

LEGEND

CP-9	CONC PAVEMENT 9-INCH
DW-7	CONC DRIVEWAY 7-INCH
HMA	HMA PAVEMENT
CG-18	CONC C&G 18-INCH TYPE L
CG-18R	CONC C&G 18-INCH TYPE L (REJECT PAN)
CG-30	CONC C&G 30-INCH TYPE L
CGM-18	CONC C&G MOUNTABLE 18-INCH
CG-66	CONC C&G 66-INCH TYPE L
RCCG	REINFORCED CONC C&G
SW-5	CONC SIDEWALK 5-INCH
CRM	CONC RAISED MEDIAN
BNM	CONC BLUNT NOSE MEDIAN
SNM	CONC SLOPED NOSE MEDIAN
6-CA	6-INCH CONC APRON



PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	PAVING GRADES	SHEET 38	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\7575073\SHEETSPLAN\021202_PD.DWG
LAYOUT NAME - 09

PLOT DATE : 10/18/2021 1:54 PM PLOT BY : WEIGAND, BEN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

N

LEGEND

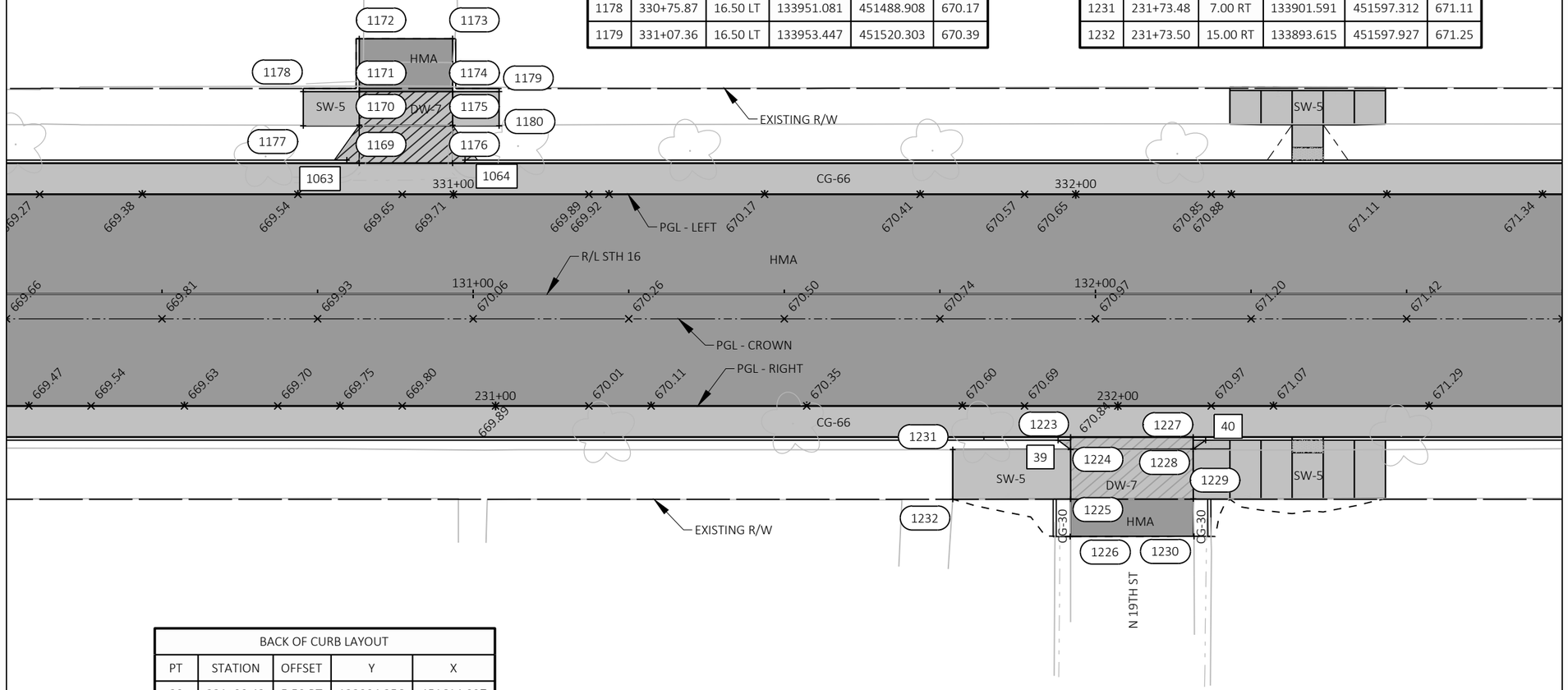
CP-9	CONC PAVEMENT 9-INCH
DW-7	CONC DRIVEWAY 7-INCH
HMA	HMA PAVEMENT
CG-18	CONC C&G 18-INCH TYPE L
CG-18R	CONC C&G 18-INCH TYPE L (REJECT PAN)
CG-30	CONC C&G 30-INCH TYPE L
CGM-18	CONC C&G MOUNTABLE 18-INCH
CG-66	CONC C&G 66-INCH TYPE L
RCCG	REINFORCED CONC C&G
SW-5	CONC SIDEWALK 5-INCH
CRM	CONC RAISED MEDIAN
BNM	CONC BLUNT NOSE MEDIAN
SNM	CONC SLOPED NOSE MEDIAN
6-CA	6-INCH CONC APRON

*SEE CURBRAMP DETAIL SHEETS FOR MORE CURB GRADES

SIDEWALK AND DRIVEWAY LAYOUT					
PT	STATION	OFFSET	Y	X	ELEV
1169	330+84.88	5.00 LT	133940.290	451498.757	669.50
1170	330+84.88	11.12 LT	133946.389	451498.297	669.96
1171	330+84.88	16.50 LT	133951.758	451497.892	670.04
1172	330+84.88	25.00 LT	133960.230	451497.253	670.91
1173	330+99.88	25.00 LT	133961.359	451512.210	670.85
1174	330+99.88	16.50 LT	133952.885	451512.850	670.14
1175	330+99.88	11.10 LT	133947.500	451513.256	670.06
1176	330+99.88	5.00 LT	133941.418	451513.714	669.61
1177	330+75.87	11.00 LT	133945.596	451489.322	670.08
1178	330+75.87	16.50 LT	133951.081	451488.908	670.17
1179	331+07.36	16.50 LT	133953.447	451520.303	670.39

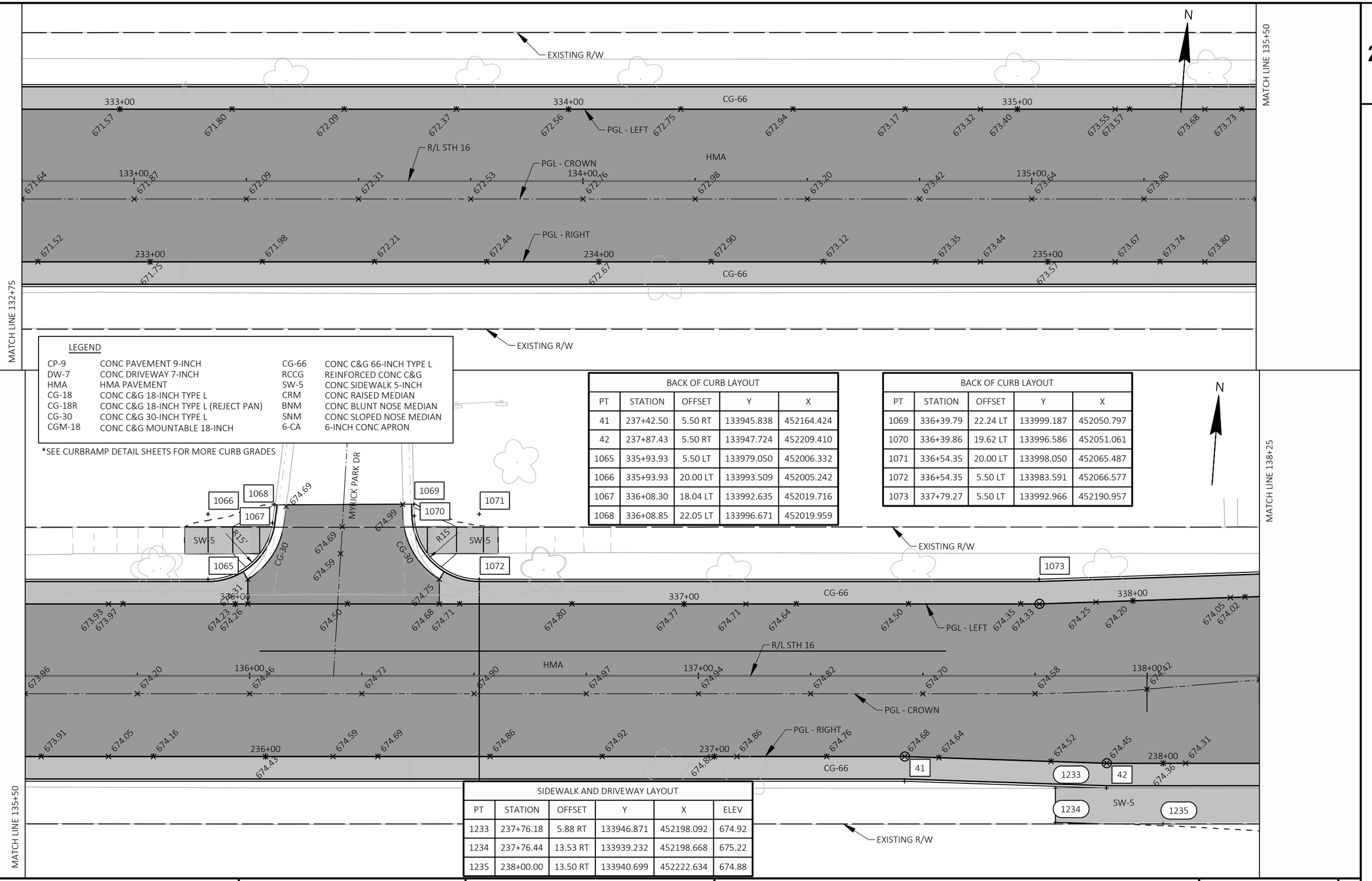
SIDEWALK AND DRIVEWAY LAYOUT					
PT	STATION	OFFSET	Y	X	ELEV
1180	331+07.36	11.00 LT	133947.963	451520.716	670.39
1223	231+92.43	5.00 RT	133905.007	451616.053	671.13
1224	231+92.43	6.98 RT	133903.028	451616.202	671.13
1225	231+92.43	14.96 RT	133895.071	451616.802	671.31
1226	231+92.35	20.97 RT	133889.074	451617.176	671.49
1227	232+12.12	5.00 RT	133906.487	451635.693	671.50
1228	232+12.12	6.94 RT	133904.552	451635.839	671.50
1229	232+12.14	14.93 RT	133896.588	451636.458	671.45
1230	232+12.23	20.94 RT	133890.603	451636.998	671.58
1231	231+73.48	7.00 RT	133901.591	451597.312	671.11
1232	231+73.50	15.00 RT	133893.615	451597.927	671.25

MATCH LINE 132+75



BACK OF CURB LAYOUT				
PT	STATION	OFFSET	Y	X
39	231+90.43	5.50 RT	133904.356	451614.097
40	232+14.12	5.50 RT	133906.139	451637.725
1063	330+82.88	5.50 LT	133940.639	451496.725
1064	331+01.88	5.50 LT	133942.067	451515.671

MATCH LINE 130+25



LEGEND

CP-9	CONC PAVEMENT 9-INCH	CG-66	CONC C&G 66-INCH TYPE L
DW-7	CONC DRIVEWAY 7-INCH	RCCG	REINFORCED CONC C&G
HMA	HMA PAVEMENT	SW-5	CONC SIDEWALK 5-INCH
CG-18	CONC C&G 18-INCH TYPE L	CRM	CONC RAISED MEDIAN
CG-18R	CONC C&G 18-INCH TYPE L (REJECT PAN)	BNM	CONC BLUNT NOSE MEDIAN
CG-30	CONC C&G 30-INCH TYPE L	SNM	CONC SLOPED NOSE MEDIAN
CGM-18	CONC C&G MOUNTABLE 18-INCH	6-CA	6-INCH CONC APRON

*SEE CURBRAMP DETAIL SHEETS FOR MORE CURB GRADES

BACK OF CURB LAYOUT				
PT	STATION	OFFSET	Y	X
41	237+42.50	5.50 RT	133945.838	452164.424
42	237+87.43	5.50 RT	133947.724	452209.410
1065	335+93.93	5.50 LT	133979.050	452006.332
1066	335+93.93	20.00 LT	133993.509	452005.242
1067	336+08.30	18.04 LT	133992.635	452019.716
1068	336+08.85	22.05 LT	133996.671	452019.959

BACK OF CURB LAYOUT				
PT	STATION	OFFSET	Y	X
1069	336+39.79	22.24 LT	133999.187	452050.797
1070	336+39.86	19.62 LT	133996.586	452051.061
1071	336+54.35	20.00 LT	133998.050	452065.487
1072	336+54.35	5.50 LT	133983.591	452066.577
1073	337+79.27	5.50 LT	133992.966	452190.957

SIDEWALK AND DRIVEWAY LAYOUT					
PT	STATION	OFFSET	Y	X	ELEV
1233	237+76.18	5.88 RT	133946.871	452198.092	674.92
1234	237+76.44	13.53 RT	133939.232	452198.668	675.22
1235	238+00.00	13.50 RT	133940.699	452222.634	674.88

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	PAVING GRADES	SHEET 40	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\7575073\SHEETSPLAN\021202_PD.DWG
LAYOUT NAME - 11
PLOT DATE : 10/18/2021 1:54 PM
PLOT BY : WEIGAND, BEN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

BACK OF CURB LAYOUT				
PT	STATION	OFFSET	Y	X
43	239+52.42	5.50 RT	133960.132	452374.018
44	239+52.43	20.00 RT	133945.674	452375.124
45	239+66.92	20.49 RT	133946.275	452389.612
46	239+66.59	30.48 RT	133936.283	452390.026
47	239+62.09	30.33 RT	133936.097	452385.530
48	239+65.25	33.53 RT	133933.144	452388.926
50	239+63.72	36.60 RT	133929.966	452387.627
51	239+63.63	39.33 RT	133927.237	452387.740
52	239+96.00	40.54 RT	133928.471	452420.101
53	239+96.14	36.56 RT	133932.449	452419.936
54	239+90.64	36.28 RT	133932.322	452414.438
55	239+94.77	32.64 RT	133936.258	452418.278

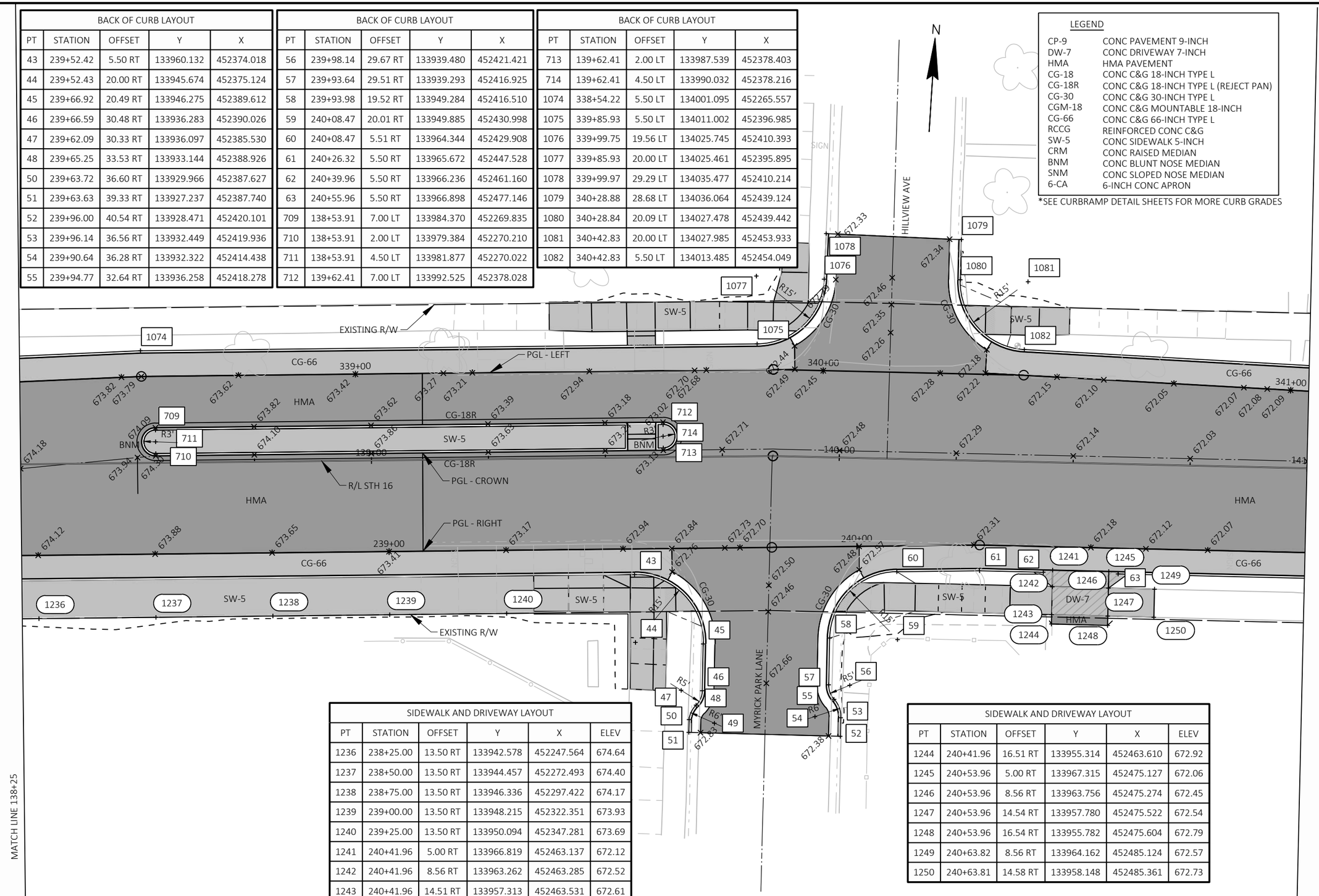
BACK OF CURB LAYOUT				
PT	STATION	OFFSET	Y	X
56	239+98.14	29.67 RT	133939.480	452421.421
57	239+93.64	29.51 RT	133939.293	452416.925
58	239+93.98	19.52 RT	133949.284	452416.510
59	240+08.47	20.01 RT	133949.885	452430.998
60	240+08.47	5.51 RT	133964.344	452429.908
61	240+26.32	5.50 RT	133965.672	452447.528
62	240+39.96	5.50 RT	133966.236	452461.160
63	240+55.96	5.50 RT	133966.898	452477.146
709	138+53.91	7.00 LT	133984.370	452269.835
710	138+53.91	2.00 LT	133979.384	452270.210
711	138+53.91	4.50 LT	133981.877	452270.022
712	139+62.41	7.00 LT	133992.525	452378.028

BACK OF CURB LAYOUT				
PT	STATION	OFFSET	Y	X
713	139+62.41	2.00 LT	133987.539	452378.403
714	139+62.41	4.50 LT	133990.032	452378.216
1074	338+54.22	5.50 LT	134001.095	452265.557
1075	339+85.93	5.50 LT	134011.002	452396.985
1076	339+99.75	19.56 LT	134025.745	452410.393
1077	339+85.93	20.00 LT	134025.461	452395.895
1078	339+99.97	29.29 LT	134035.477	452410.214
1079	340+28.88	28.68 LT	134036.064	452439.124
1080	340+28.84	20.09 LT	134027.478	452439.442
1081	340+42.83	20.00 RT	134027.985	452453.933
1082	340+42.83	5.50 RT	134013.485	452454.049

LEGEND

CP-9	CONC PAVEMENT 9-INCH
DW-7	CONC DRIVEWAY 7-INCH
HMA	HMA PAVEMENT
CG-18	CONC C&G 18-INCH TYPE L
CG-18R	CONC C&G 18-INCH TYPE L (REJECT PAN)
CG-30	CONC C&G 30-INCH TYPE L
CGM-18	CONC C&G MOUNTABLE 18-INCH
CG-66	CONC C&G 66-INCH TYPE L
RCCG	REINFORCED CONC C&G
SW-5	CONC SIDEWALK 5-INCH
CRM	CONC RAISED MEDIAN
BNM	CONC BLUNT NOSE MEDIAN
SNM	CONC SLOPED NOSE MEDIAN
6-CA	6-INCH CONC APRON

*SEE CURBRAMP DETAIL SHEETS FOR MORE CURB GRADES



SIDEWALK AND DRIVEWAY LAYOUT					
PT	STATION	OFFSET	Y	X	ELEV
1236	238+25.00	13.50 RT	133942.578	452247.564	674.64
1237	238+50.00	13.50 RT	133944.457	452272.493	674.40
1238	238+75.00	13.50 RT	133946.336	452297.422	674.17
1239	239+00.00	13.50 RT	133948.215	452322.351	673.93
1240	239+25.00	13.50 RT	133950.094	452347.281	673.69
1241	240+41.96	5.00 RT	133966.819	452463.137	672.12
1242	240+41.96	8.56 RT	133963.262	452463.285	672.52
1243	240+41.96	14.51 RT	133957.313	452463.531	672.61

SIDEWALK AND DRIVEWAY LAYOUT					
PT	STATION	OFFSET	Y	X	ELEV
1244	240+41.96	16.51 RT	133955.314	452463.610	672.92
1245	240+53.96	5.00 RT	133967.315	452475.127	672.06
1246	240+53.96	8.56 RT	133963.756	452475.274	672.45
1247	240+53.96	14.54 RT	133957.780	452475.522	672.54
1248	240+53.96	16.54 RT	133955.782	452475.604	672.79
1249	240+63.82	8.56 RT	133964.162	452485.124	672.57
1250	240+63.81	14.58 RT	133958.148	452485.361	672.73

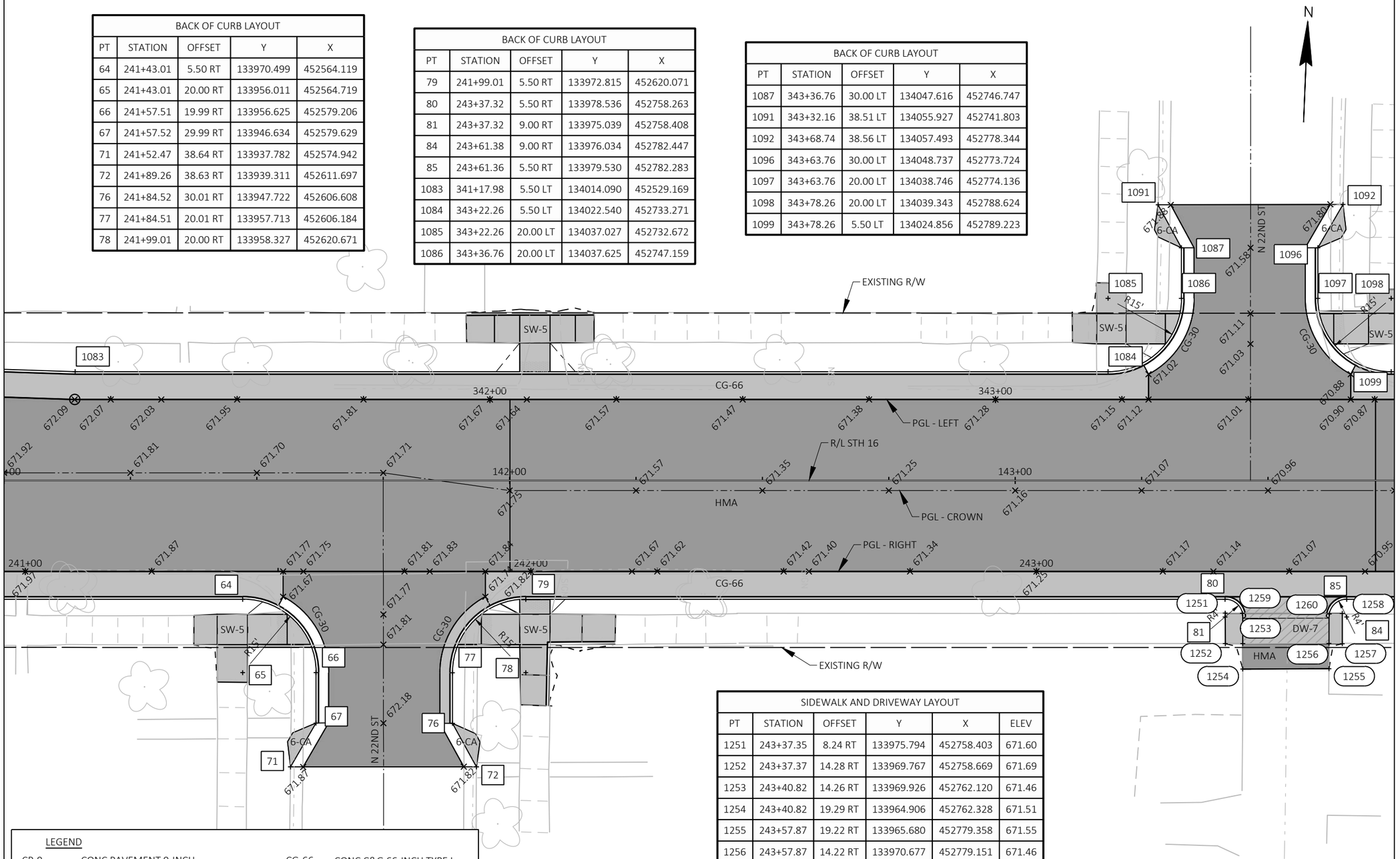
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	PAVING GRADES	SHEET 41	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\021202_PD.DWG
LAYOUT NAME - 12
PLOT DATE : 10/18/2021 1:54 PM PLOT BY : WEIGAND, BEN PLOT NAME : PLOT SCALE : 1 IN:20 FT

BACK OF CURB LAYOUT				
PT	STATION	OFFSET	Y	X
64	241+43.01	5.50 RT	133970.499	452564.119
65	241+43.01	20.00 RT	133956.011	452564.719
66	241+57.51	19.99 RT	133956.625	452579.206
67	241+57.52	29.99 RT	133946.634	452579.629
71	241+52.47	38.64 RT	133937.782	452574.942
72	241+89.26	38.63 RT	133939.311	452611.697
76	241+84.52	30.01 RT	133947.722	452606.608
77	241+84.51	20.01 RT	133957.713	452606.184
78	241+99.01	20.00 RT	133958.327	452620.671

BACK OF CURB LAYOUT				
PT	STATION	OFFSET	Y	X
79	241+99.01	5.50 RT	133972.815	452620.071
80	243+37.32	5.50 RT	133978.536	452758.263
81	243+37.32	9.00 RT	133975.039	452758.408
84	243+61.38	9.00 RT	133976.034	452782.447
85	243+61.36	5.50 RT	133979.530	452782.283
1083	341+17.98	5.50 LT	134014.090	452529.169
1084	343+22.26	5.50 LT	134022.540	452733.271
1085	343+22.26	20.00 LT	134037.027	452732.672
1086	343+36.76	20.00 LT	134037.625	452747.159

BACK OF CURB LAYOUT				
PT	STATION	OFFSET	Y	X
1087	343+36.76	30.00 LT	134047.616	452746.747
1091	343+32.16	38.51 LT	134055.927	452741.803
1092	343+68.74	38.56 LT	134057.493	452778.344
1096	343+63.76	30.00 LT	134048.737	452773.724
1097	343+63.76	20.00 LT	134038.746	452774.136
1098	343+78.26	20.00 LT	134039.343	452788.624
1099	343+78.26	5.50 LT	134024.856	452789.223



SIDEWALK AND DRIVEWAY LAYOUT					
PT	STATION	OFFSET	Y	X	ELEV
1251	243+37.35	8.24 RT	133975.794	452758.403	671.60
1252	243+37.37	14.28 RT	133969.767	452758.669	671.69
1253	243+40.82	14.26 RT	133969.926	452762.120	671.46
1254	243+40.82	19.29 RT	133964.906	452762.328	671.51
1255	243+57.87	19.22 RT	133965.680	452779.358	671.55
1256	243+57.87	14.22 RT	133970.677	452779.151	671.46
1257	243+60.50	14.29 RT	133970.716	452781.781	671.59
1258	243+60.50	8.29 RT	133976.711	452781.534	671.52
1259	243+40.75	8.28 RT	133975.901	452761.800	671.38
1260	243+57.94	8.39 RT	133976.503	452778.979	671.38

LEGEND

CP-9	CONC PAVEMENT 9-INCH	CG-66	CONC C&G 66-INCH TYPE L
DW-7	CONC DRIVEWAY 7-INCH	RCCG	REINFORCED CONC C&G
HMA	HMA PAVEMENT	SW-5	CONC SIDEWALK 5-INCH
CG-18	CONC C&G 18-INCH TYPE L	CRM	CONC RAISED MEDIAN
CG-18R	CONC C&G 18-INCH TYPE L (REJECT PAN)	BNM	CONC BLUNT NOSE MEDIAN
CG-30	CONC C&G 30-INCH TYPE L	SNM	CONC SLOPED NOSE MEDIAN
CGM-18	CONC C&G MOUNTABLE 18-INCH	6-CA	6-INCH CONC APRON

*SEE CURBRAMP DETAIL SHEETS FOR MORE CURB GRADES

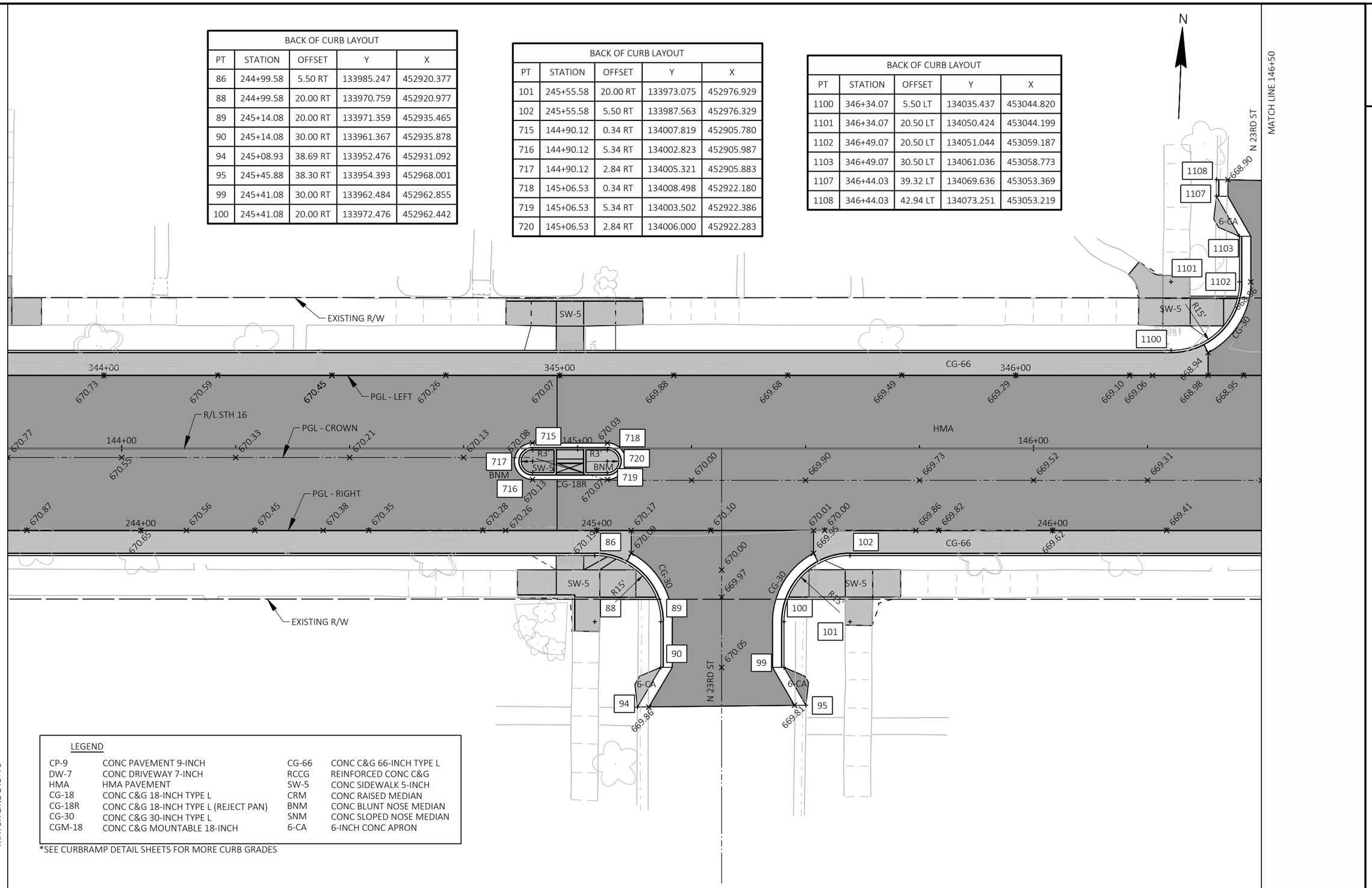
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	PAVING GRADES	SHEET 42	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\7575073\SHEETSPLAN\021202_PD.DWG
LAYOUT NAME - 13
PLOT DATE : 10/18/2021 1:54 PM PLOT BY : WEIGAND, BEN PLOT NAME : PLOT SCALE : 1 IN:20 FT

BACK OF CURB LAYOUT				
PT	STATION	OFFSET	Y	X
86	244+99.58	5.50 RT	133985.247	452920.377
88	244+99.58	20.00 RT	133970.759	452920.977
89	245+14.08	20.00 RT	133971.359	452935.465
90	245+14.08	30.00 RT	133961.367	452935.878
94	245+08.93	38.69 RT	133952.476	452931.092
95	245+45.88	38.30 RT	133954.393	452968.001
99	245+41.08	30.00 RT	133962.484	452962.855
100	245+41.08	20.00 RT	133972.476	452962.442

BACK OF CURB LAYOUT				
PT	STATION	OFFSET	Y	X
101	245+55.58	20.00 RT	133973.075	452976.929
102	245+55.58	5.50 RT	133987.563	452976.329
715	144+90.12	0.34 RT	134007.819	452905.780
716	144+90.12	5.34 RT	134002.823	452905.987
717	144+90.12	2.84 RT	134005.321	452905.883
718	145+06.53	0.34 RT	134008.498	452922.180
719	145+06.53	5.34 RT	134003.502	452922.386
720	145+06.53	2.84 RT	134006.000	452922.283

BACK OF CURB LAYOUT				
PT	STATION	OFFSET	Y	X
1100	346+34.07	5.50 LT	134035.437	453044.820
1101	346+34.07	20.50 LT	134050.424	453044.199
1102	346+49.07	20.50 LT	134051.044	453059.187
1103	346+49.07	30.50 LT	134061.036	453058.773
1107	346+44.03	39.32 LT	134069.636	453053.369
1108	346+44.03	42.94 LT	134073.251	453053.219



LEGEND

CP-9	CONC PAVEMENT 9-INCH	CG-66	CONC C&G 66-INCH TYPE L
DW-7	CONC DRIVEWAY 7-INCH	RCCG	REINFORCED CONC C&G
HMA	HMA PAVEMENT	SW-5	CONC SIDEWALK 5-INCH
CG-18	CONC C&G 18-INCH TYPE L	CRM	CONC RAISED MEDIAN
CG-18R	CONC C&G 18-INCH TYPE L (REJECT PAN)	BNM	CONC BLUNT NOSE MEDIAN
CG-30	CONC C&G 30-INCH TYPE L	SNM	CONC SLOPED NOSE MEDIAN
CGM-18	CONC C&G MOUNTABLE 18-INCH	6-CA	6-INCH CONC APRON

*SEE CURBRAMP DETAIL SHEETS FOR MORE CURB GRADES

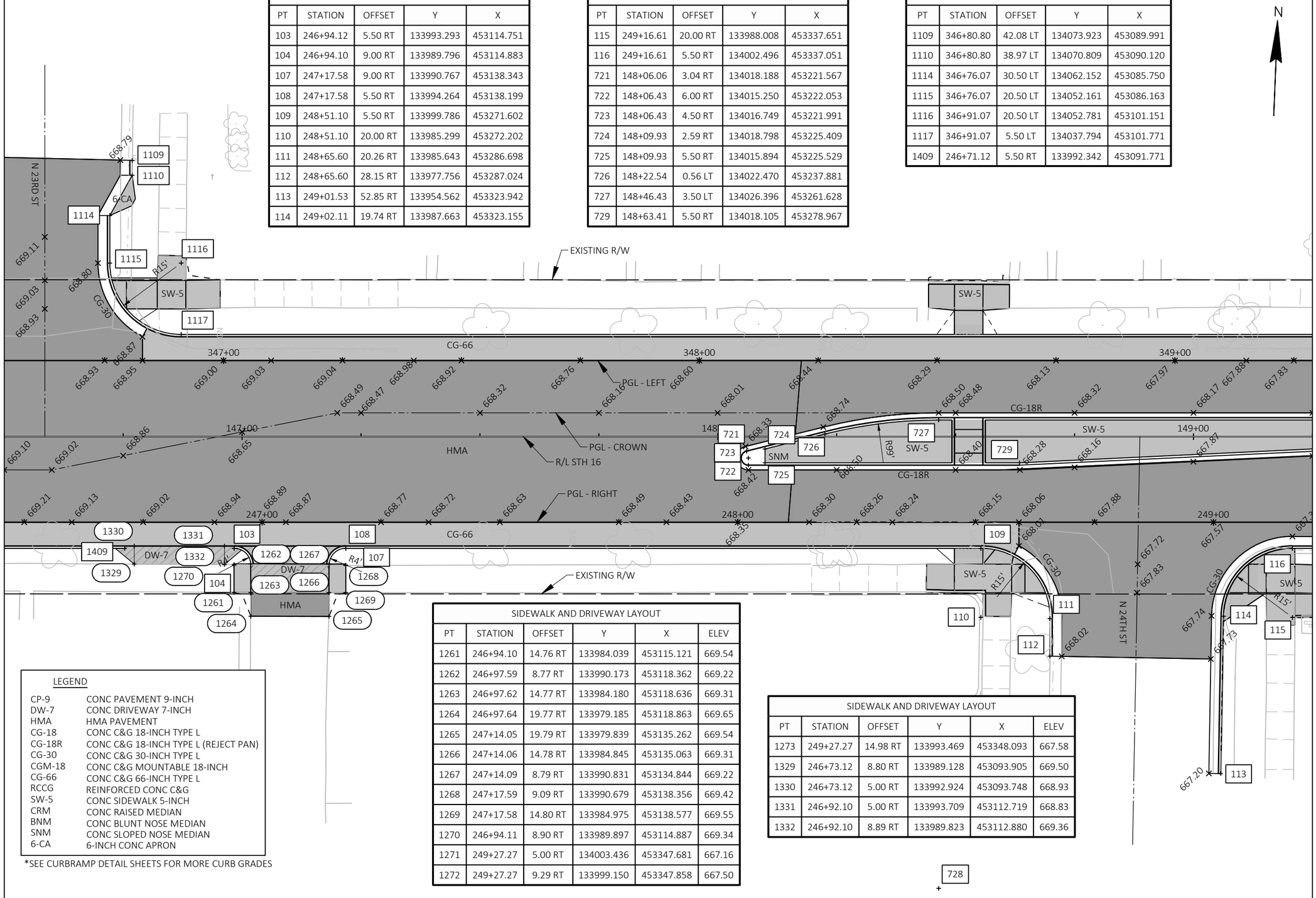
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	PAVING GRADES	SHEET 43	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\7575073\SHEETSPLAN\021202_PD.DWG
LAYOUT NAME - 14
PLOT DATE : 10/18/2021 1:54 PM PLOT BY : WEIGAND, BEN PLOT NAME : PLOT SCALE : 1 IN:20 FT

BACK OF CURB LAYOUT				
PT	STATION	OFFSET	Y	X
103	246+94.12	5.50 RT	133993.293	453114.751
104	246+94.10	9.00 RT	133989.796	453114.883
107	247+17.58	9.00 RT	133990.767	453138.343
108	247+17.58	5.50 RT	133994.264	453138.199
109	248+51.10	5.50 RT	133999.786	453271.602
110	248+51.10	20.00 RT	133985.299	453272.202
111	248+65.60	20.26 RT	133985.643	453286.698
112	248+65.60	28.15 RT	133977.756	453287.024
113	249+01.53	52.85 RT	133954.562	453323.942
114	249+02.11	19.74 RT	133987.663	453323.155

BACK OF CURB LAYOUT				
PT	STATION	OFFSET	Y	X
115	249+16.61	20.00 RT	133988.008	453337.651
116	249+16.61	5.50 RT	134002.496	453337.051
721	148+06.06	3.04 RT	134018.188	453221.567
722	148+06.43	6.00 RT	134015.250	453222.053
723	148+06.43	4.50 RT	134016.749	453221.991
724	148+09.93	2.59 RT	134018.798	453225.409
725	148+09.93	5.50 RT	134015.894	453225.529
726	148+22.54	0.56 LT	134022.470	453237.881
727	148+46.43	3.50 LT	134026.396	453261.628
729	148+63.41	5.50 RT	134018.105	453278.967

BACK OF CURB LAYOUT				
PT	STATION	OFFSET	Y	X
1109	346+80.80	42.08 LT	134073.923	453089.991
1110	346+80.80	38.97 LT	134070.809	453090.120
1114	346+76.07	30.50 LT	134062.152	453085.750
1115	346+76.07	20.50 LT	134052.161	453086.163
1116	346+91.07	20.50 LT	134052.781	453101.151
1117	346+91.07	5.50 LT	134037.794	453101.771
1409	246+71.12	5.50 RT	133992.342	453091.771



SIDEWALK AND DRIVEWAY LAYOUT					
PT	STATION	OFFSET	Y	X	ELEV
1261	246+94.10	14.76 RT	133984.039	453115.121	669.54
1262	246+97.59	8.77 RT	133990.173	453118.362	669.22
1263	246+97.62	14.77 RT	133984.180	453118.636	669.31
1264	246+97.64	19.77 RT	133979.185	453118.863	669.65
1265	247+14.05	19.79 RT	133979.839	453135.262	669.54
1266	247+14.06	14.78 RT	133984.845	453135.063	669.31
1267	247+14.09	8.79 RT	133990.831	453134.844	669.22
1268	247+17.59	9.09 RT	133990.679	453138.356	669.42
1269	247+17.58	14.80 RT	133984.975	453138.577	669.55
1270	246+94.11	8.90 RT	133989.897	453114.887	669.34
1271	249+27.27	5.00 RT	134003.436	453347.681	667.16
1272	249+27.27	9.29 RT	133999.150	453347.858	667.50

SIDEWALK AND DRIVEWAY LAYOUT					
PT	STATION	OFFSET	Y	X	ELEV
1273	249+27.27	14.98 RT	133993.469	453348.093	667.58
1329	246+73.12	8.80 RT	133989.128	453093.905	669.50
1330	246+73.12	5.00 RT	133992.924	453093.748	668.93
1331	246+92.10	5.00 RT	133993.709	453112.719	668.83
1332	246+92.10	8.89 RT	133989.823	453112.880	669.36

LEGEND

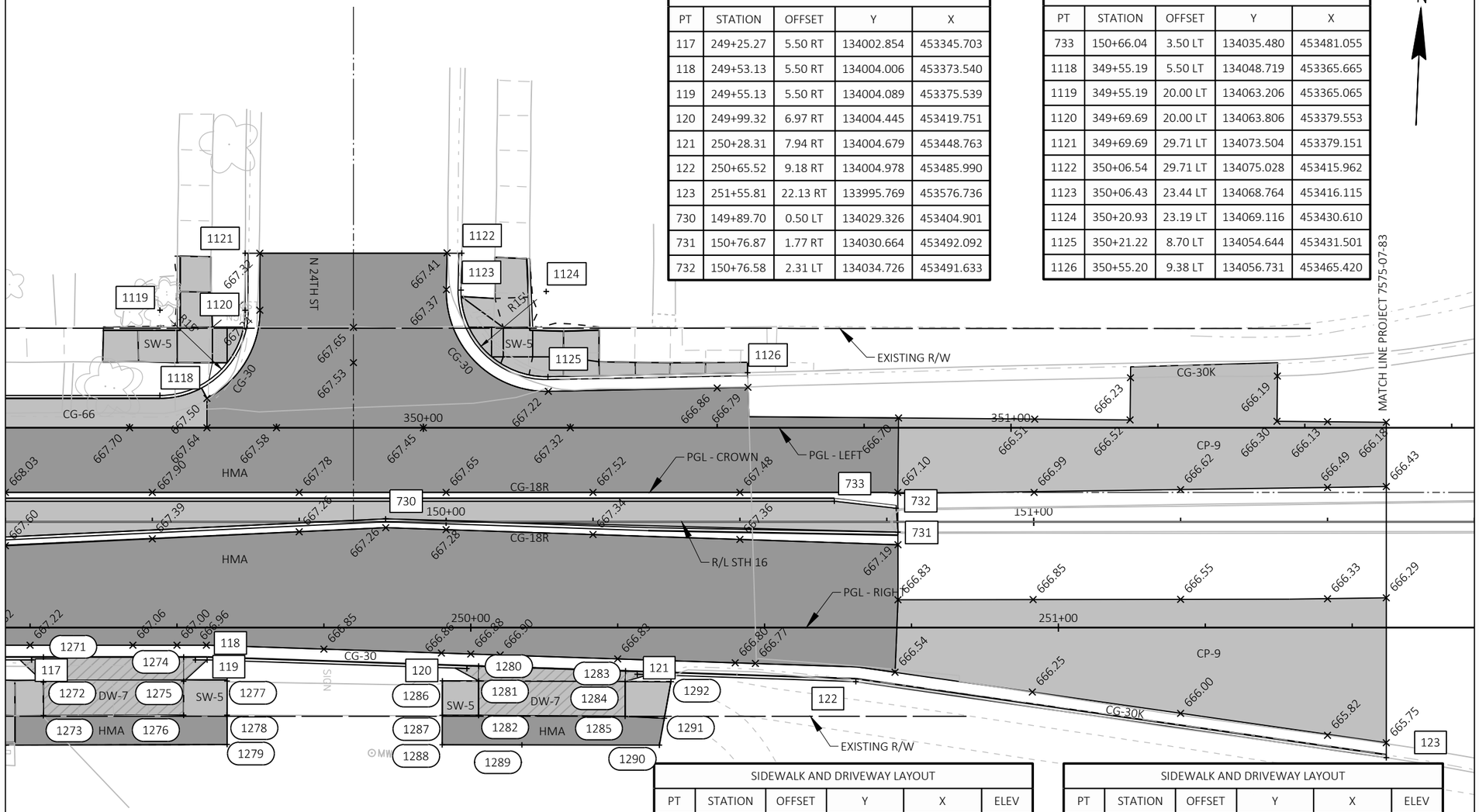
CP-9	CONC PAVEMENT 9-INCH
DW-7	CONC DRIVEWAY 7-INCH
HMA	HMA PAVEMENT
CG-18	CONC C&G 18-INCH TYPE L
CG-18R	CONC C&G 18-INCH TYPE L (REJECT PAN)
CG-30	CONC C&G 30-INCH TYPE L
CGM-18	CONC C&G MOUNTABLE 18-INCH
CG-66	CONC C&G 66-INCH TYPE L
RCCG	REINFORCED CONC C&G
SW-5	CONC SIDEWALK 5-INCH
CRM	CONC RAISED MEDIAN
BNM	CONC BLUNT NOSE MEDIAN
SNM	CONC SLOPED NOSE MEDIAN
6-CA	6-INCH CONC APRON

*SEE CURBRAMP DETAIL SHEETS FOR MORE CURB GRADES

2

BACK OF CURB LAYOUT				
PT	STATION	OFFSET	Y	X
117	249+25.27	5.50 RT	134002.854	453345.703
118	249+53.13	5.50 RT	134004.006	453373.540
119	249+55.13	5.50 RT	134004.089	453375.539
120	249+99.32	6.97 RT	134004.445	453419.751
121	250+28.31	7.94 RT	134004.679	453448.763
122	250+65.52	9.18 RT	134004.978	453485.990
123	251+55.81	22.13 RT	133995.769	453576.736
730	149+89.70	0.50 LT	134029.326	453404.901
731	150+76.87	1.77 RT	134030.664	453492.092
732	150+76.58	2.31 LT	134034.726	453491.633

BACK OF CURB LAYOUT				
PT	STATION	OFFSET	Y	X
733	150+66.04	3.50 LT	134035.480	453481.055
1118	349+55.19	5.50 LT	134048.719	453365.665
1119	349+55.19	20.00 LT	134063.206	453365.065
1120	349+69.69	20.00 LT	134063.806	453379.553
1121	349+69.69	29.71 LT	134073.504	453379.151
1122	350+06.54	29.71 LT	134075.028	453415.962
1123	350+06.43	23.44 LT	134068.764	453416.115
1124	350+20.93	23.19 LT	134069.116	453430.610
1125	350+21.22	8.70 LT	134054.644	453431.501
1126	350+55.20	9.38 LT	134056.731	453465.420



SIDEWALK AND DRIVEWAY LAYOUT					
PT	STATION	OFFSET	Y	X	ELEV
1274	249+51.13	5.00 RT	134004.423	453371.521	666.95
1275	249+51.13	9.14 RT	134000.286	453371.693	667.35
1276	249+51.13	14.90 RT	133994.528	453371.931	667.43
1277	249+58.51	9.10 RT	134000.632	453379.070	667.68
1278	249+58.51	14.88 RT	133994.856	453379.304	667.91
1279	249+58.52	19.89 RT	133989.854	453379.526	667.97
1280	250+01.33	6.54 RT	134004.961	453421.746	667.18
1281	250+01.33	9.07 RT	134002.430	453421.851	667.15
1282	250+01.32	14.94 RT	133996.564	453422.084	667.24
1283	250+26.33	7.37 RT	134005.162	453446.760	666.91

SIDEWALK AND DRIVEWAY LAYOUT					
PT	STATION	OFFSET	Y	X	ELEV
1284	250+26.27	9.17 RT	134003.368	453446.774	667.09
1285	250+26.27	15.08 RT	133997.457	453447.013	667.18
1286	249+95.15	9.08 RT	134002.170	453415.680	667.55
1287	249+95.14	14.93 RT	133996.319	453415.912	667.64
1288	249+95.13	19.93 RT	133991.323	453416.110	667.75
1289	250+08.68	19.96 RT	133991.859	453429.642	667.59
1290	250+32.09	20.00 RT	133992.786	453453.035	667.33
1291	250+32.93	15.41 RT	133997.403	453453.686	667.36
1292	250+34.07	9.19 RT	134003.668	453454.571	667.28

LEGEND

CP-9	CONC PAVEMENT 9-INCH	CG-66	CONC C&G 66-INCH TYPE L
DW-7	CONC DRIVEWAY 7-INCH	RCCG	REINFORCED CONC C&G
HMA	HMA PAVEMENT	SW-5	CONC SIDEWALK 5-INCH
CG-18	CONC C&G 18-INCH TYPE L	CRM	CONC RAISED MEDIAN
CG-18R	CONC C&G 18-INCH TYPE L (REJECT PAN)	BNM	CONC BLUNT NOSE MEDIAN
CG-30	CONC C&G 30-INCH TYPE L	SNM	CONC SLOPED NOSE MEDIAN
CG-30K	CONC C&G 30-INCH TYPE K	6-CA	6-INCH CONC APRON
CGM-18	CONC C&G MOUNTABLE 18-INCH		

*SEE CURBRAMP DETAIL SHEETS FOR MORE CURB GRADES

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	PAVING GRADES	SHEET 45	E

OaklandNE					
PT	STATION	OFFSET	X	Y	ELEV
001	106+31.68	33.70' LT	449080.58	133703.61	673.27
002	106+24.74	33.70' LT	449073.90	133701.73	673.23
004	106+17.74	33.71' LT	449067.16	133699.85	673.21
005	106+10.74	33.72' LT	449060.42	133697.96	673.18
006	106+03.74	33.73' LT	449053.68	133696.07	673.16
007	105+96.13	34.74' LT	449046.09	133694.98	672.67
008	105+91.13	34.72' LT	449041.28	133693.61	672.66
009	105+85.13	34.81' LT	449035.48	133692.07	672.86
010	105+79.03	35.12' LT	449029.53	133690.71	672.68
011	105+78.86	36.47' LT	449028.99	133691.96	672.66
012	105+78.35	41.70' LT	449027.09	133696.86	673.03
013	106+31.67	27.81' LT	449082.17	133697.94	673.18
014	106+24.73	27.78' LT	449075.50	133696.03	673.15
015	106+17.73	27.78' LT	449068.76	133694.14	673.12
016	106+10.73	27.79' LT	449062.02	133692.25	673.09
017	106+03.73	27.81' LT	449055.28	133690.37	673.07
018	105+96.13	27.80' LT	449047.96	133688.30	672.56
019	105+91.13	27.80' LT	449043.15	133686.94	672.55

OaklandNE					
PT	STATION	OFFSET	X	Y	ELEV
020	105+90.60	27.80' LT	449042.64	133686.80	673.05
021	105+90.63	29.30' LT	449042.26	133688.25	672.98
022	105+96.13	29.80' LT	449047.42	133690.22	672.60
023	105+91.13	29.80' LT	449042.61	133688.87	672.58
024	105+85.13	29.80' LT	449036.83	133687.24	672.83
025	105+85.13	29.30' LT	449036.97	133686.76	673.03
026	105+78.86	30.01' LT	449030.75	133685.75	673.04
027	105+78.78	29.53' LT	449030.80	133685.26	673.04
028	105+74.42	31.47' LT	449026.07	133685.94	672.57
029	105+74.30	30.97' LT	449026.09	133685.43	672.97
030	105+73.01	30.98' LT	449024.85	133685.09	672.93
031	105+72.43	31.47' LT	449024.16	133685.41	672.43
032	105+74.42	36.47' LT	449024.71	133690.76	672.59
033	105+72.42	36.47' LT	449022.79	133690.21	672.45
034	105+68.78	36.47' LT	449019.29	133689.23	672.40
035	105+67.85	39.39' LT	449017.60	133691.79	672.86
036	105+74.42	41.67' LT	449023.31	133695.76	672.96

LEGEND

- X — CURB RAMP TYPE
- SW5 — CONCRETE SIDEWALK 5-INCH
- DW7 — CONCRETE DRIVEWAY 7-INCH
- PED — CONCRETE CURB PEDESTRIAN
- XX — POINT NUMBER
- GRADED FLARES
- SLOPE INTERCEPT
- EXISTING ROW

OAKLAND ST

STH 16 (LACROSSE ST)

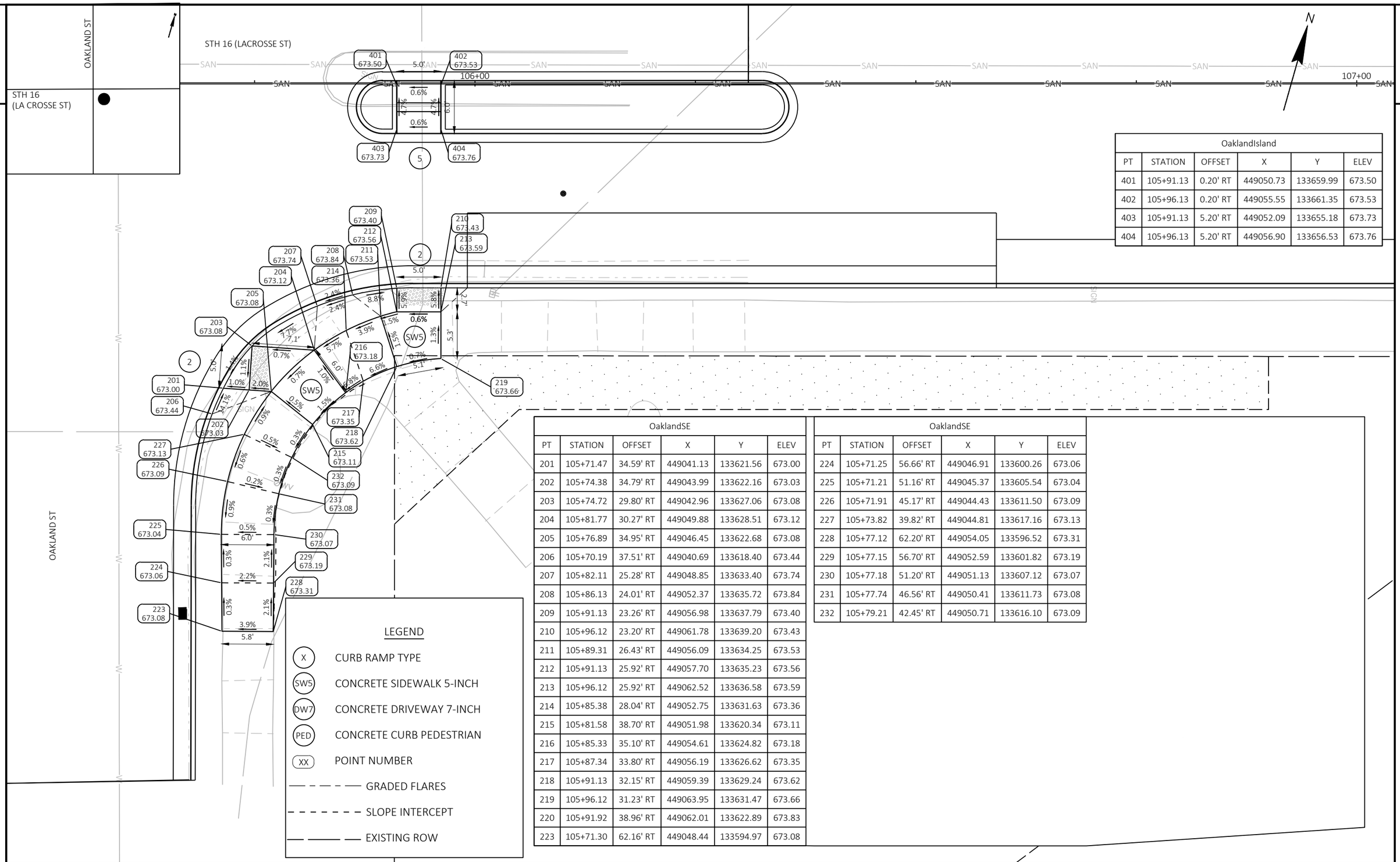
STH 16
(LA CROSSE ST)

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAIL	SHEET 46	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\7575073\SHEETSPLAN\023101-CR.DWG
LAYOUT NAME - 01-Oakland St NE

PLOT DATE : 10/11/2021 2:04 PM PLOT BY : WEIGAND, BEN PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42



OaklandIsland					
PT	STATION	OFFSET	X	Y	ELEV
401	105+91.13	0.20' RT	449050.73	133659.99	673.50
402	105+96.13	0.20' RT	449055.55	133661.35	673.53
403	105+91.13	5.20' RT	449052.09	133655.18	673.73
404	105+96.13	5.20' RT	449056.90	133656.53	673.76

OaklandSE					
PT	STATION	OFFSET	X	Y	ELEV
201	105+71.47	34.59' RT	449041.13	133621.56	673.00
202	105+74.38	34.79' RT	449043.99	133622.16	673.03
203	105+74.72	29.80' RT	449042.96	133627.06	673.08
204	105+81.77	30.27' RT	449049.88	133628.51	673.12
205	105+76.89	34.95' RT	449046.45	133622.68	673.08
206	105+70.19	37.51' RT	449040.69	133618.40	673.44
207	105+82.11	25.28' RT	449048.85	133633.40	673.74
208	105+86.13	24.01' RT	449052.37	133635.72	673.84
209	105+91.13	23.26' RT	449056.98	133637.79	673.40
210	105+96.12	23.20' RT	449061.78	133639.20	673.43
211	105+89.31	26.43' RT	449056.09	133634.25	673.53
212	105+91.13	25.92' RT	449057.70	133635.23	673.56
213	105+96.12	25.92' RT	449062.52	133636.58	673.59
214	105+85.38	28.04' RT	449052.75	133631.63	673.36
215	105+81.58	38.70' RT	449051.98	133620.34	673.11
216	105+85.33	35.10' RT	449054.61	133624.82	673.18
217	105+87.34	33.80' RT	449056.19	133626.62	673.35
218	105+91.13	32.15' RT	449059.39	133629.24	673.62
219	105+96.12	31.23' RT	449063.95	133631.47	673.66
220	105+91.92	38.96' RT	449062.01	133622.89	673.83
223	105+71.30	62.16' RT	449048.44	133594.97	673.08

OaklandSE					
PT	STATION	OFFSET	X	Y	ELEV
224	105+71.25	56.66' RT	449046.91	133600.26	673.06
225	105+71.21	51.16' RT	449045.37	133605.54	673.04
226	105+71.91	45.17' RT	449044.43	133611.50	673.09
227	105+73.82	39.82' RT	449044.81	133617.16	673.13
228	105+77.12	62.20' RT	449054.05	133596.52	673.31
229	105+77.15	56.70' RT	449052.59	133601.82	673.19
230	105+77.18	51.20' RT	449051.13	133607.12	673.07
231	105+77.74	46.56' RT	449050.41	133611.73	673.08
232	105+79.21	42.45' RT	449050.71	133616.10	673.09

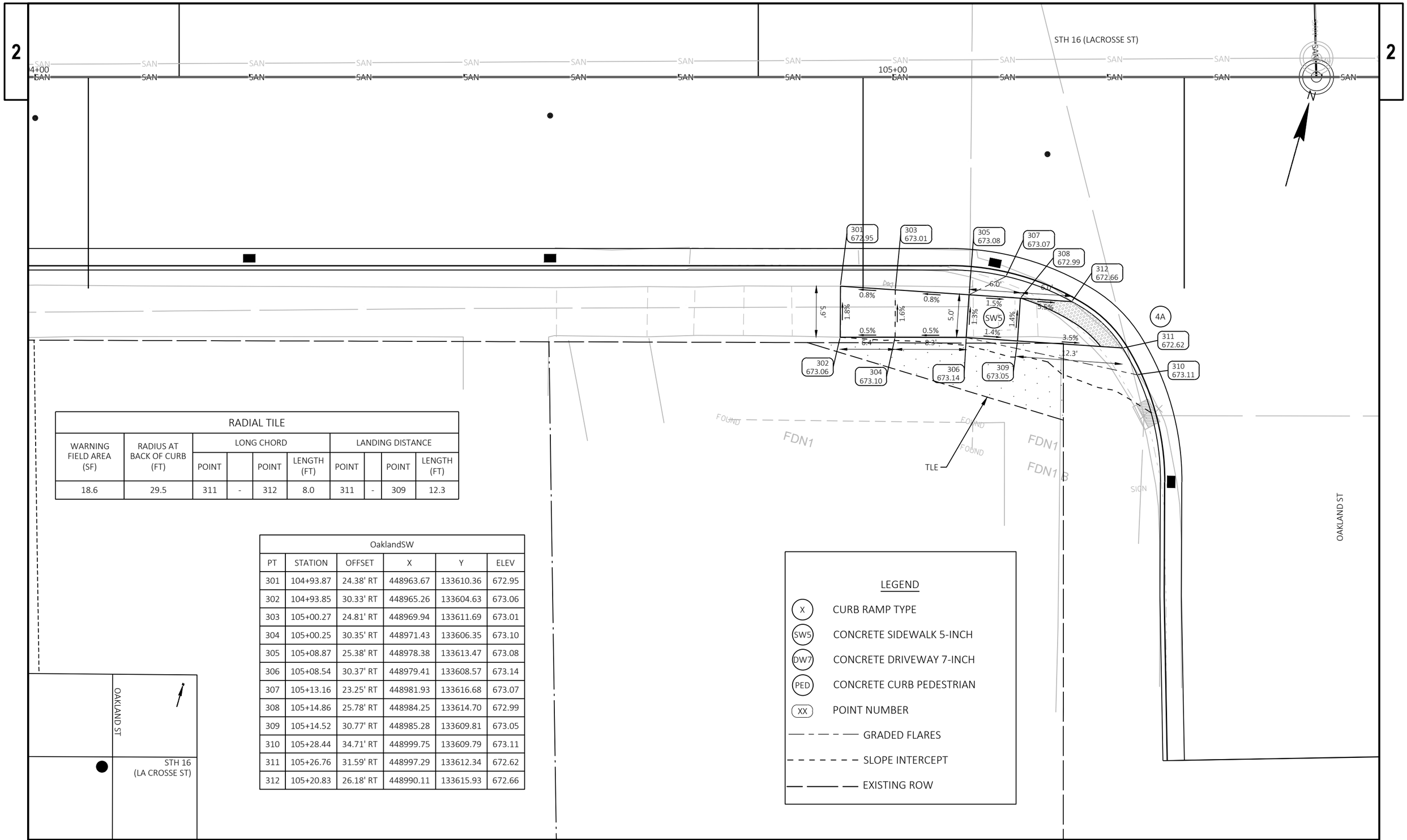
LEGEND

- X — CURB RAMP TYPE
- SW5 — CONCRETE SIDEWALK 5-INCH
- DW7 — CONCRETE DRIVEWAY 7-INCH
- PED — CONCRETE CURB PEDESTRIAN
- XX — POINT NUMBER
- GRADED FLARES
- SLOPE INTERCEPT
- EXISTING ROW

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAIL	SHEET 47	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\7575077S\SHEETSPLAN\023101-CR.DWG
LAYOUT NAME - 02-Oakland St SE

PLOT DATE : 10/11/2021 2:04 PM PLOT BY : WEIGAND, BEN PLOT NAME : PLOT SCALE : 1 IN:10 FT



RADIAL TILE									
WARNING FIELD AREA (SF)	RADIUS AT BACK OF CURB (FT)	LONG CHORD				LANDING DISTANCE			
		POINT		POINT	LENGTH (FT)	POINT		POINT	LENGTH (FT)
18.6	29.5	311	-	312	8.0	311	-	309	12.3

OaklandSW					
PT	STATION	OFFSET	X	Y	ELEV
301	104+93.87	24.38' RT	448963.67	133610.36	672.95
302	104+93.85	30.33' RT	448965.26	133604.63	673.06
303	105+00.27	24.81' RT	448969.94	133611.69	673.01
304	105+00.25	30.35' RT	448971.43	133606.35	673.10
305	105+08.87	25.38' RT	448978.38	133613.47	673.08
306	105+08.54	30.37' RT	448979.41	133608.57	673.14
307	105+13.16	23.25' RT	448981.93	133616.68	673.07
308	105+14.86	25.78' RT	448984.25	133614.70	672.99
309	105+14.52	30.77' RT	448985.28	133609.81	673.05
310	105+28.44	34.71' RT	448999.75	133609.79	673.11
311	105+26.76	31.59' RT	448997.29	133612.34	672.62
312	105+20.83	26.18' RT	448990.11	133615.93	672.66

LEGEND

- (X) CURB RAMP TYPE
- (SW5) CONCRETE SIDEWALK 5-INCH
- (DW7) CONCRETE DRIVEWAY 7-INCH
- (PED) CONCRETE CURB PEDESTRIAN
- (XX) POINT NUMBER
- GRADED FLARES
- SLOPE INTERCEPT
- EXISTING ROW

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAIL	SHEET 48	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\7575073\SHEETSPLAN\023101-CR.DWG
LAYOUT NAME - 03-Oakland St SW
PLOT DATE : 10/20/2021 7:42 AM PLOT BY : WEIGAND, BEN PLOT NAME : PLOT SCALE : 1 IN:10 FT

OaklandNW					
PT	STATION	OFFSET	X	Y	ELEV
101	105+07.52	28.02' LT	448962.60	133664.50	672.93
102	105+13.44	27.89' LT	448968.34	133665.98	672.80
103	105+19.72	28.65' LT	448974.18	133668.42	672.66
104	105+24.75	31.47' LT	448978.27	133672.49	672.65
105	105+23.25	28.64' LT	448977.58	133669.36	672.73
106	105+26.75	31.47' LT	448980.19	133673.03	672.51
107	105+29.71	36.47' LT	448981.69	133678.64	672.41
108	105+30.43	39.66' LT	448981.51	133681.91	672.85
109	105+26.75	36.47' LT	448978.84	133677.84	672.45
110	105+24.75	36.47' LT	448976.91	133677.30	672.59
111	105+23.85	36.47' LT	448976.04	133677.06	672.60
112	105+23.85	39.83' LT	448975.13	133680.30	672.72
113	105+23.66	42.19' LT	448974.31	133682.52	672.81
114	105+20.23	42.21' LT	448971.00	133681.60	672.87
115	105+20.39	39.77' LT	448971.81	133679.30	672.79
116	105+19.84	36.47' LT	448972.18	133675.97	672.64
117	105+19.41	33.91' LT	448972.47	133673.39	672.68
118	105+13.61	33.85' LT	448966.89	133671.76	672.87
119	105+07.69	33.86' LT	448961.19	133670.17	673.06

LEGEND

- X — CURB RAMP TYPE
- SW5 — CONCRETE SIDEWALK 5-INCH
- DW7 — CONCRETE DRIVEWAY 7-INCH
- PED — CONCRETE CURB PEDESTRIAN
- XX — POINT NUMBER
- GRADED FLARES
- SLOPE INTERCEPT
- EXISTING ROW

OAKLAND ST

STH 16 (LA CROSSE ST)

STH 16 (LACROSSE ST)

4+00

105+00

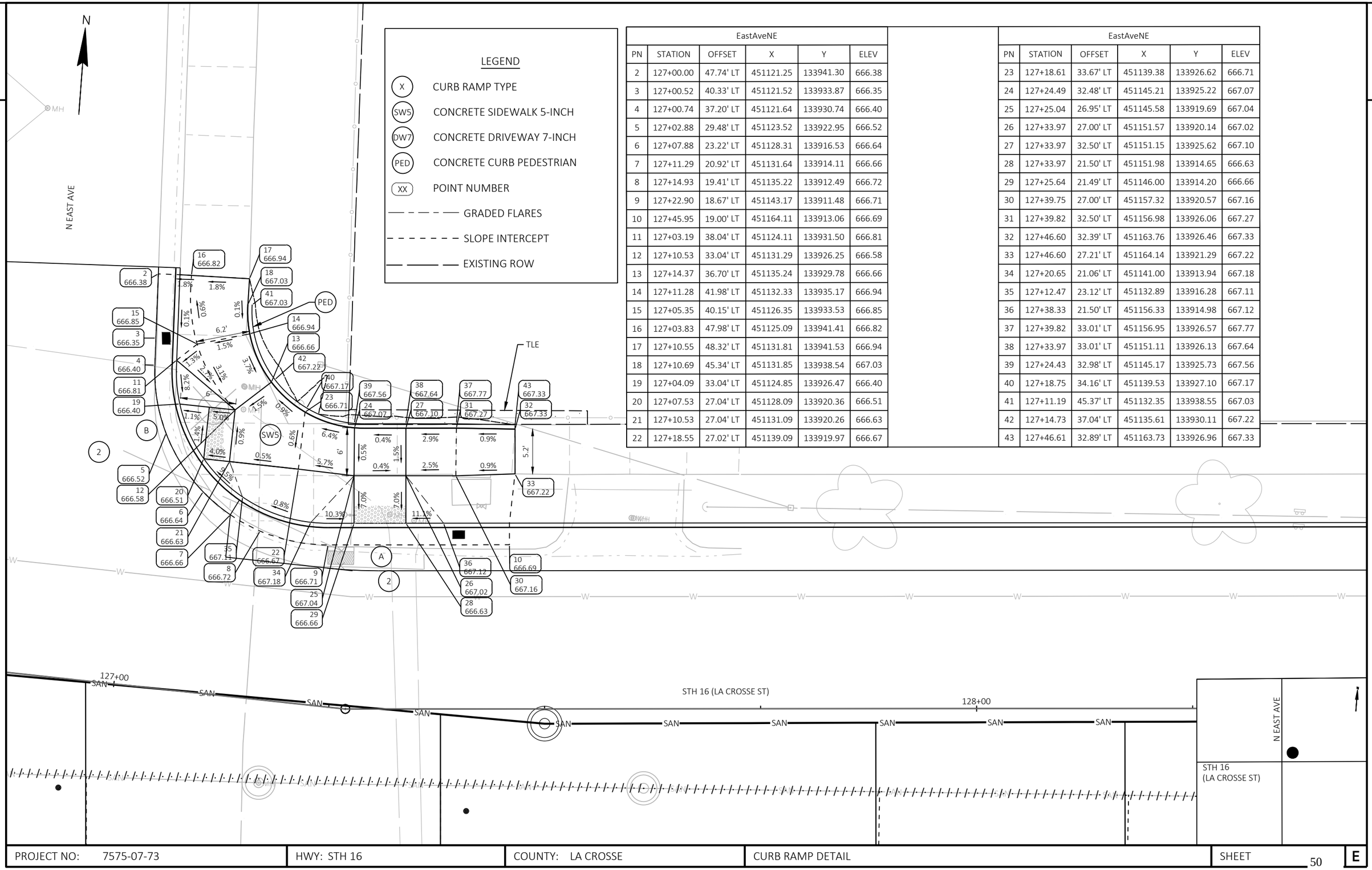
TLE

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAIL	SHEET 49 E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\7575073\SHEETSPLAN\023101-CR.DWG
LAYOUT NAME - 04-Oakland St NW

PLOT DATE : 10/11/2021 2:04 PM PLOT BY : WEIGAND, BEN PLOT NAME : PLOT SCALE : 1 IN:10 FT

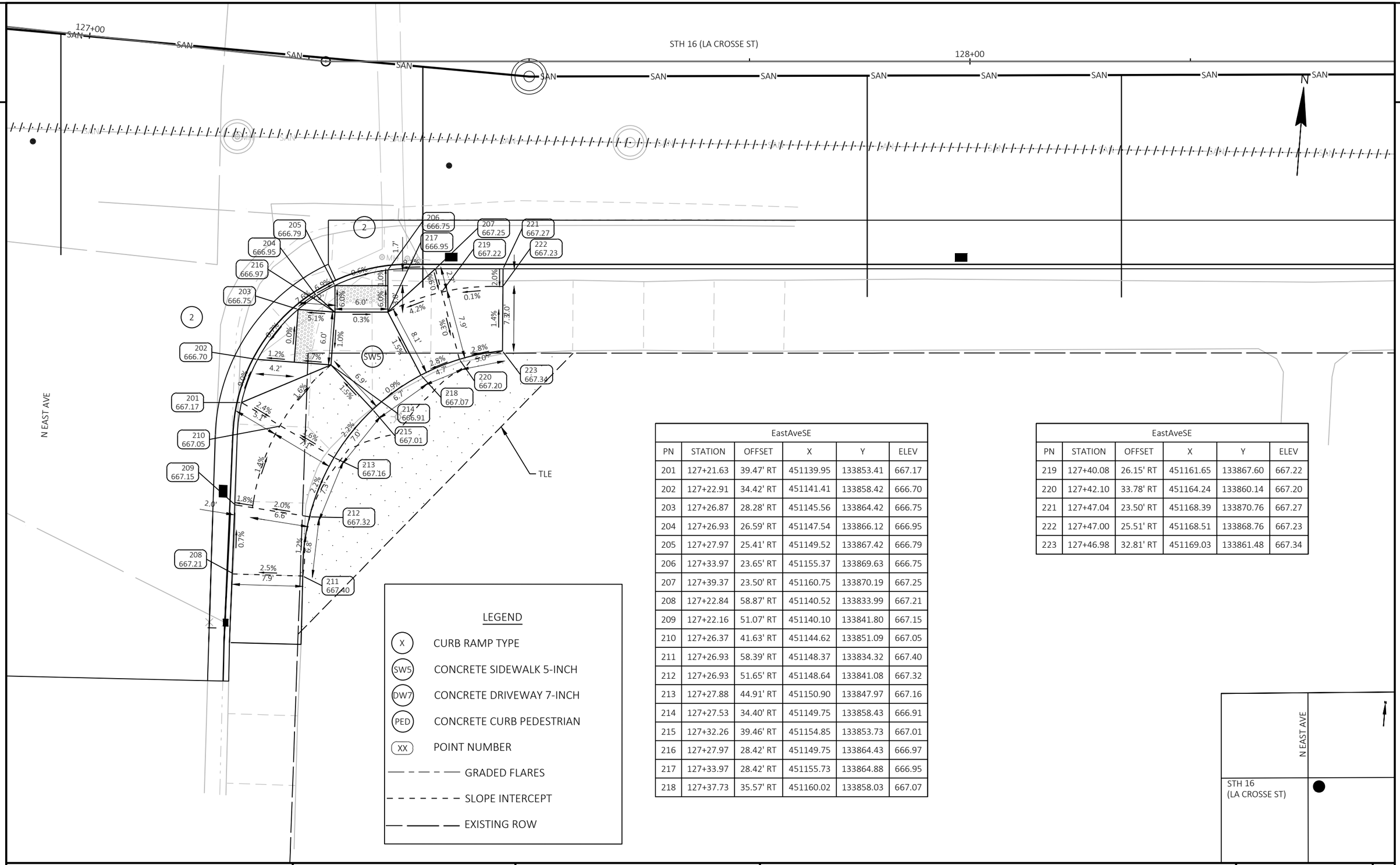
WISDOT/CADDS SHEET 42



EastAveNE					
PN	STATION	OFFSET	X	Y	ELEV
2	127+00.00	47.74' LT	451121.25	133941.30	666.38
3	127+00.52	40.33' LT	451121.52	133933.87	666.35
4	127+00.74	37.20' LT	451121.64	133930.74	666.40
5	127+02.88	29.48' LT	451123.52	133922.95	666.52
6	127+07.88	23.22' LT	451128.31	133916.53	666.64
7	127+11.29	20.92' LT	451131.64	133914.11	666.66
8	127+14.93	19.41' LT	451135.22	133912.49	666.72
9	127+22.90	18.67' LT	451143.17	133911.48	666.71
10	127+45.95	19.00' LT	451164.11	133913.06	666.69
11	127+03.19	38.04' LT	451124.11	133931.50	666.81
12	127+10.53	33.04' LT	451131.29	133926.25	666.58
13	127+14.37	36.70' LT	451135.24	133929.78	666.66
14	127+11.28	41.98' LT	451132.33	133935.17	666.94
15	127+05.35	40.15' LT	451126.35	133933.53	666.85
16	127+03.83	47.98' LT	451125.09	133941.41	666.82
17	127+10.55	48.32' LT	451131.81	133941.53	666.94
18	127+10.69	45.34' LT	451131.85	133938.54	667.03
19	127+04.09	33.04' LT	451124.85	133926.47	666.40
20	127+07.53	27.04' LT	451128.09	133920.36	666.51
21	127+10.53	27.04' LT	451131.09	133920.26	666.63
22	127+18.55	27.02' LT	451139.09	133919.97	666.67

EastAveNE					
PN	STATION	OFFSET	X	Y	ELEV
23	127+18.61	33.67' LT	451139.38	133926.62	666.71
24	127+24.49	32.48' LT	451145.21	133925.22	667.07
25	127+25.04	26.95' LT	451145.58	133919.69	667.04
26	127+33.97	27.00' LT	451151.57	133920.14	667.02
27	127+33.97	32.50' LT	451151.15	133925.62	667.10
28	127+33.97	21.50' LT	451151.98	133914.65	666.63
29	127+25.64	21.49' LT	451146.00	133914.20	666.66
30	127+39.75	27.00' LT	451157.32	133920.57	667.16
31	127+39.82	32.50' LT	451156.98	133926.06	667.27
32	127+46.60	32.39' LT	451163.76	133926.46	667.33
33	127+46.60	27.21' LT	451164.14	133921.29	667.22
34	127+20.65	21.06' LT	451141.00	133913.94	667.18
35	127+12.47	23.12' LT	451132.89	133916.28	667.11
36	127+38.33	21.50' LT	451156.33	133914.98	667.12
37	127+39.82	33.01' LT	451156.95	133926.57	667.77
38	127+33.97	33.01' LT	451151.11	133926.13	667.64
39	127+24.43	32.98' LT	451145.17	133925.73	667.56
40	127+18.75	34.16' LT	451139.53	133927.10	667.17
41	127+11.19	45.37' LT	451132.35	133938.55	667.03
42	127+14.73	37.04' LT	451135.61	133930.11	667.22
43	127+46.61	32.89' LT	451163.73	133926.96	667.33

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAIL	SHEET 50 E

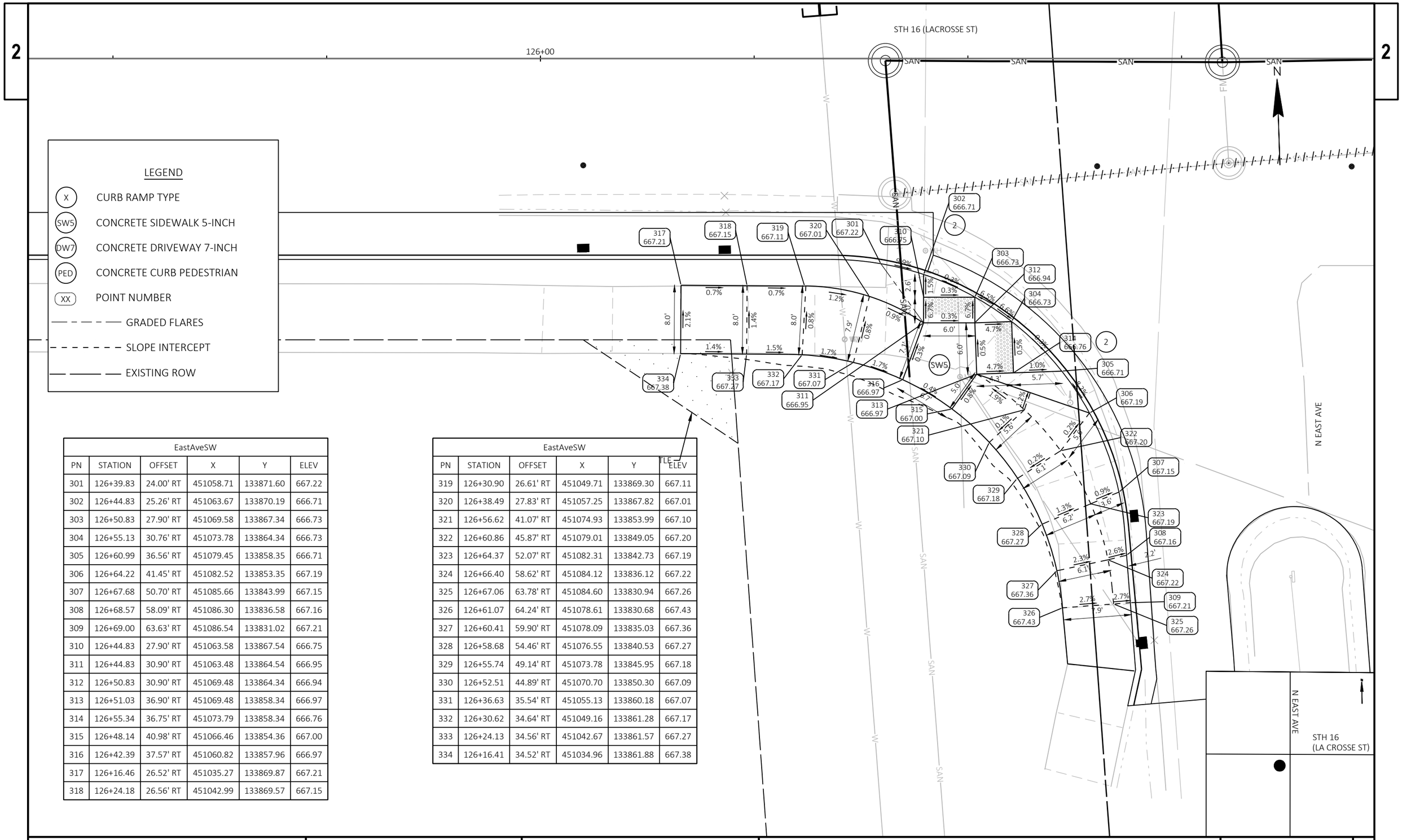


EastAveSE					
PN	STATION	OFFSET	X	Y	ELEV
201	127+21.63	39.47' RT	451139.95	133853.41	667.17
202	127+22.91	34.42' RT	451141.41	133858.42	666.70
203	127+26.87	28.28' RT	451145.56	133864.42	666.75
204	127+26.93	26.59' RT	451147.54	133866.12	666.95
205	127+27.97	25.41' RT	451149.52	133867.42	666.79
206	127+33.97	23.65' RT	451155.37	133869.63	666.75
207	127+39.37	23.50' RT	451160.75	133870.19	667.25
208	127+22.84	58.87' RT	451140.52	133833.99	667.21
209	127+22.16	51.07' RT	451140.10	133841.80	667.15
210	127+26.37	41.63' RT	451144.62	133851.09	667.05
211	127+26.93	58.39' RT	451148.37	133834.32	667.40
212	127+26.93	51.65' RT	451148.64	133841.08	667.32
213	127+27.88	44.91' RT	451150.90	133847.97	667.16
214	127+27.53	34.40' RT	451149.75	133858.43	666.91
215	127+32.26	39.46' RT	451154.85	133853.73	667.01
216	127+27.97	28.42' RT	451149.75	133864.43	666.97
217	127+33.97	28.42' RT	451155.73	133864.88	666.95
218	127+37.73	35.57' RT	451160.02	133858.03	667.07

EastAveSE					
PN	STATION	OFFSET	X	Y	ELEV
219	127+40.08	26.15' RT	451161.65	133867.60	667.22
220	127+42.10	33.78' RT	451164.24	133860.14	667.20
221	127+47.04	23.50' RT	451168.39	133870.76	667.27
222	127+47.00	25.51' RT	451168.51	133868.76	667.23
223	127+46.98	32.81' RT	451169.03	133861.48	667.34

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAIL	SHEET 51	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\7575073\SHEETSPLAN\023102-CR.DWG
LAYOUT NAME - 02-EastAveSE
PLOT DATE : 10/11/2021 2:05 PM PLOT BY : WEIGAND, BEN PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



EastAveSW

PN	STATION	OFFSET	X	Y	ELEV
301	126+39.83	24.00' RT	451058.71	133871.60	667.22
302	126+44.83	25.26' RT	451063.67	133870.19	666.71
303	126+50.83	27.90' RT	451069.58	133867.34	666.73
304	126+55.13	30.76' RT	451073.78	133864.34	666.73
305	126+60.99	36.56' RT	451079.45	133858.35	666.71
306	126+64.22	41.45' RT	451082.52	133853.35	667.19
307	126+67.68	50.70' RT	451085.66	133843.99	667.15
308	126+68.57	58.09' RT	451086.30	133836.58	667.16
309	126+69.00	63.63' RT	451086.54	133831.02	667.21
310	126+44.83	27.90' RT	451063.58	133867.54	666.75
311	126+44.83	30.90' RT	451063.48	133864.54	666.95
312	126+50.83	30.90' RT	451069.48	133864.34	666.94
313	126+51.03	36.90' RT	451069.48	133858.34	666.97
314	126+55.34	36.75' RT	451073.79	133858.34	666.76
315	126+48.14	40.98' RT	451066.46	133854.36	667.00
316	126+42.39	37.57' RT	451060.82	133857.96	666.97
317	126+16.46	26.52' RT	451035.27	133869.87	667.21
318	126+24.18	26.56' RT	451042.99	133869.57	667.15

EastAveSW

PN	STATION	OFFSET	X	Y	ELEV
319	126+30.90	26.61' RT	451049.71	133869.30	667.11
320	126+38.49	27.83' RT	451057.25	133867.82	667.01
321	126+56.62	41.07' RT	451074.93	133853.99	667.10
322	126+60.86	45.87' RT	451079.01	133849.05	667.20
323	126+64.37	52.07' RT	451082.31	133842.73	667.19
324	126+66.40	58.62' RT	451084.12	133836.12	667.22
325	126+67.06	63.78' RT	451084.60	133830.94	667.26
326	126+61.07	64.24' RT	451078.61	133830.68	667.43
327	126+60.41	59.90' RT	451078.09	133835.03	667.36
328	126+58.68	54.46' RT	451076.55	133840.53	667.27
329	126+55.74	49.14' RT	451073.78	133845.95	667.18
330	126+52.51	44.89' RT	451070.70	133850.30	667.09
331	126+36.63	35.54' RT	451055.13	133860.18	667.07
332	126+30.62	34.64' RT	451049.16	133861.28	667.17
333	126+24.13	34.56' RT	451042.67	133861.57	667.27
334	126+16.41	34.52' RT	451034.96	133861.88	667.38

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAIL	SHEET 52	E

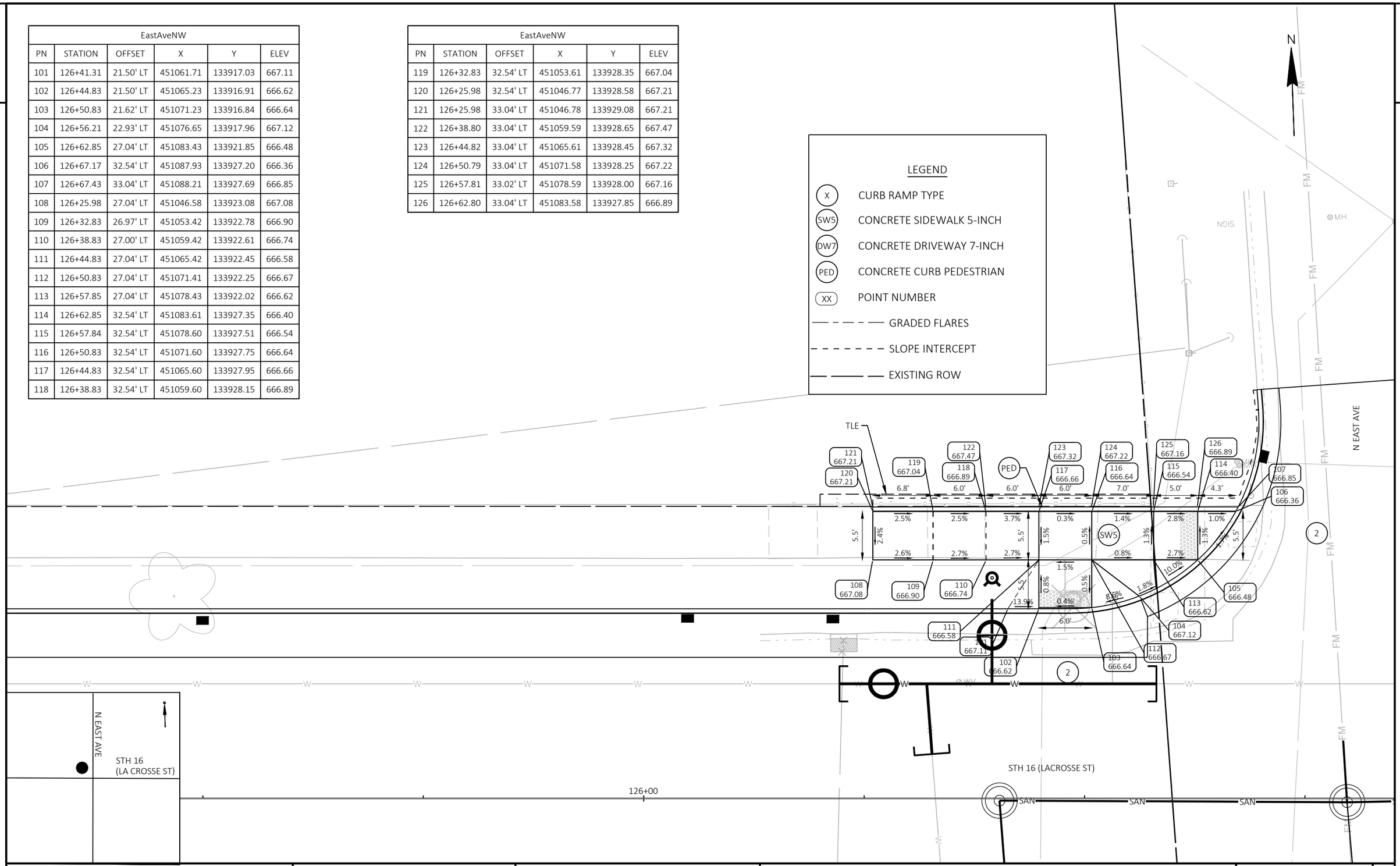
FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\023102-CR.DWG
LAYOUT NAME - 03-EastAveSW
PLOT DATE : 10/11/2021 2:05 PM
PLOT BY : WEIGAND, BEN
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

EastAveNW					
PN	STATION	OFFSET	X	Y	ELEV
101	126+41.31	21.50' LT	451061.71	133917.03	667.11
102	126+44.83	21.50' LT	451065.23	133916.91	666.62
103	126+50.83	21.62' LT	451071.23	133916.84	666.64
104	126+56.21	22.93' LT	451076.65	133917.96	667.12
105	126+62.85	27.04' LT	451083.43	133921.85	666.48
106	126+67.17	32.54' LT	451087.93	133927.20	666.36
107	126+67.43	33.04' LT	451088.21	133927.69	666.85
108	126+25.98	27.04' LT	451046.58	133923.08	667.08
109	126+32.83	26.97' LT	451053.42	133922.78	666.90
110	126+38.83	27.00' LT	451059.42	133922.61	666.74
111	126+44.83	27.04' LT	451065.42	133922.45	666.58
112	126+50.83	27.04' LT	451071.41	133922.25	666.67
113	126+57.85	27.04' LT	451078.43	133922.02	666.62
114	126+62.85	32.54' LT	451083.61	133927.35	666.40
115	126+57.84	32.54' LT	451078.60	133927.51	666.54
116	126+50.83	32.54' LT	451071.60	133927.75	666.64
117	126+44.83	32.54' LT	451065.60	133927.95	666.66
118	126+38.83	32.54' LT	451059.60	133928.15	666.89

EastAveNW					
PN	STATION	OFFSET	X	Y	ELEV
119	126+32.83	32.54' LT	451053.61	133928.35	667.04
120	126+25.98	32.54' LT	451046.77	133928.58	667.21
121	126+25.98	33.04' LT	451046.78	133929.08	667.21
122	126+38.80	33.04' LT	451059.59	133928.65	667.47
123	126+44.82	33.04' LT	451065.61	133928.45	667.32
124	126+50.79	33.04' LT	451071.58	133928.25	667.22
125	126+57.81	33.02' LT	451078.59	133928.00	667.16
126	126+62.80	33.04' LT	451083.58	133927.85	666.89

LEGEND

- X — CURB RAMP TYPE
- SW5 — CONCRETE SIDEWALK 5-INCH
- DW7 — CONCRETE DRIVEWAY 7-INCH
- PED — CONCRETE CURB PEDESTRIAN
- XX — POINT NUMBER
- GRADED FLARES
- SLOPE INTERCEPT
- EXISTING ROW

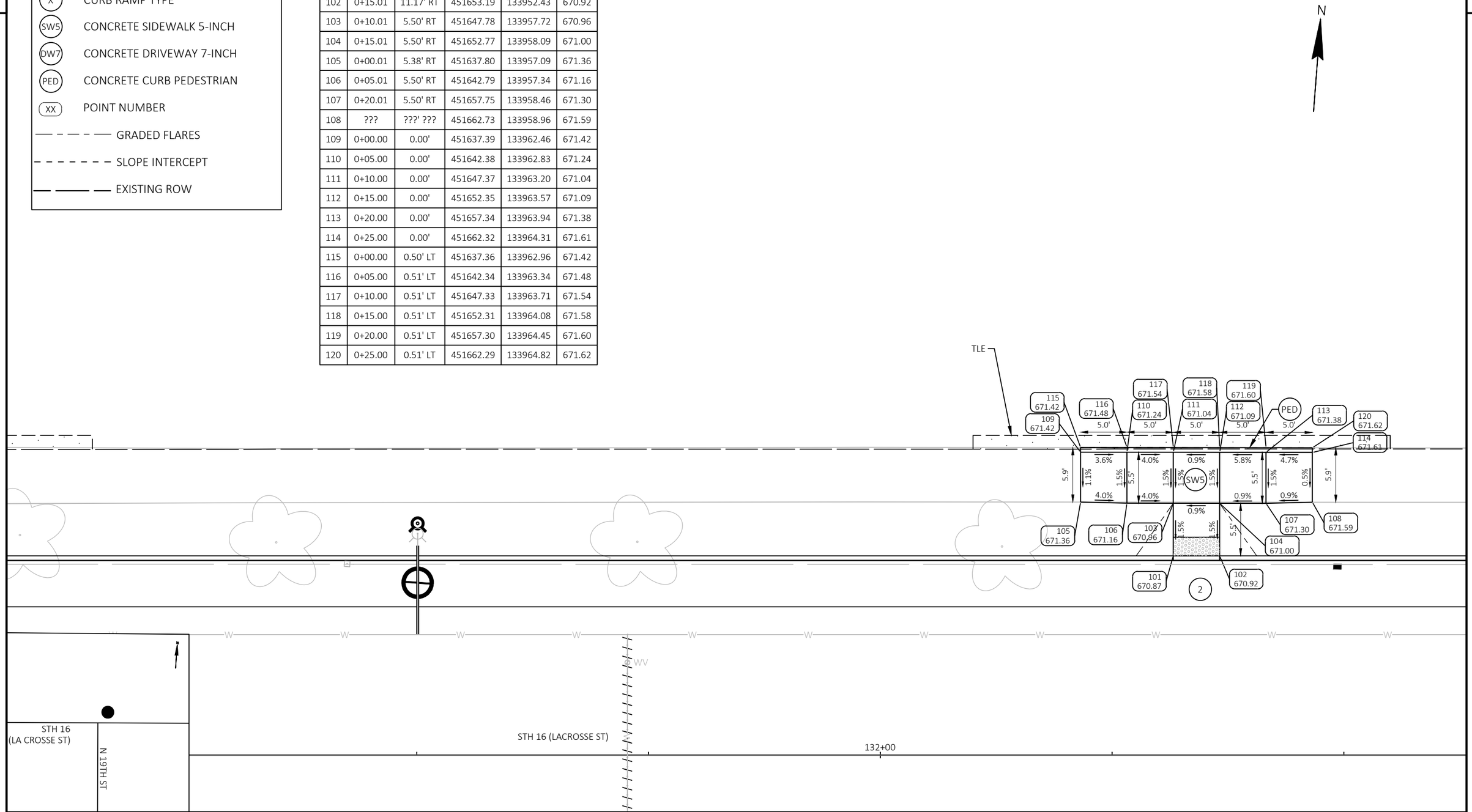


PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAIL	SHEET 53	E

LEGEND

- (X) CURB RAMP TYPE
- (SW5) CONCRETE SIDEWALK 5-INCH
- (DW7) CONCRETE DRIVEWAY 7-INCH
- (PED) CONCRETE CURB PEDESTRIAN
- (XX) POINT NUMBER
- GRADED FLARES
- SLOPE INTERCEPT
- EXISTING ROW

19thStNorth					
PN	STATION	OFFSET	X	Y	ELEV
101	0+10.01	11.17' RT	451648.21	133952.06	670.87
102	0+15.01	11.17' RT	451653.19	133952.43	670.92
103	0+10.01	5.50' RT	451647.78	133957.72	670.96
104	0+15.01	5.50' RT	451652.77	133958.09	671.00
105	0+00.01	5.38' RT	451637.80	133957.09	671.36
106	0+05.01	5.50' RT	451642.79	133957.34	671.16
107	0+20.01	5.50' RT	451657.75	133958.46	671.30
108	???	???' ???	451662.73	133958.96	671.59
109	0+00.00	0.00'	451637.39	133962.46	671.42
110	0+05.00	0.00'	451642.38	133962.83	671.24
111	0+10.00	0.00'	451647.37	133963.20	671.04
112	0+15.00	0.00'	451652.35	133963.57	671.09
113	0+20.00	0.00'	451657.34	133963.94	671.38
114	0+25.00	0.00'	451662.32	133964.31	671.61
115	0+00.00	0.50' LT	451637.36	133962.96	671.42
116	0+05.00	0.51' LT	451642.34	133963.34	671.48
117	0+10.00	0.51' LT	451647.33	133963.71	671.54
118	0+15.00	0.51' LT	451652.31	133964.08	671.58
119	0+20.00	0.51' LT	451657.30	133964.45	671.60
120	0+25.00	0.51' LT	451662.29	133964.82	671.62

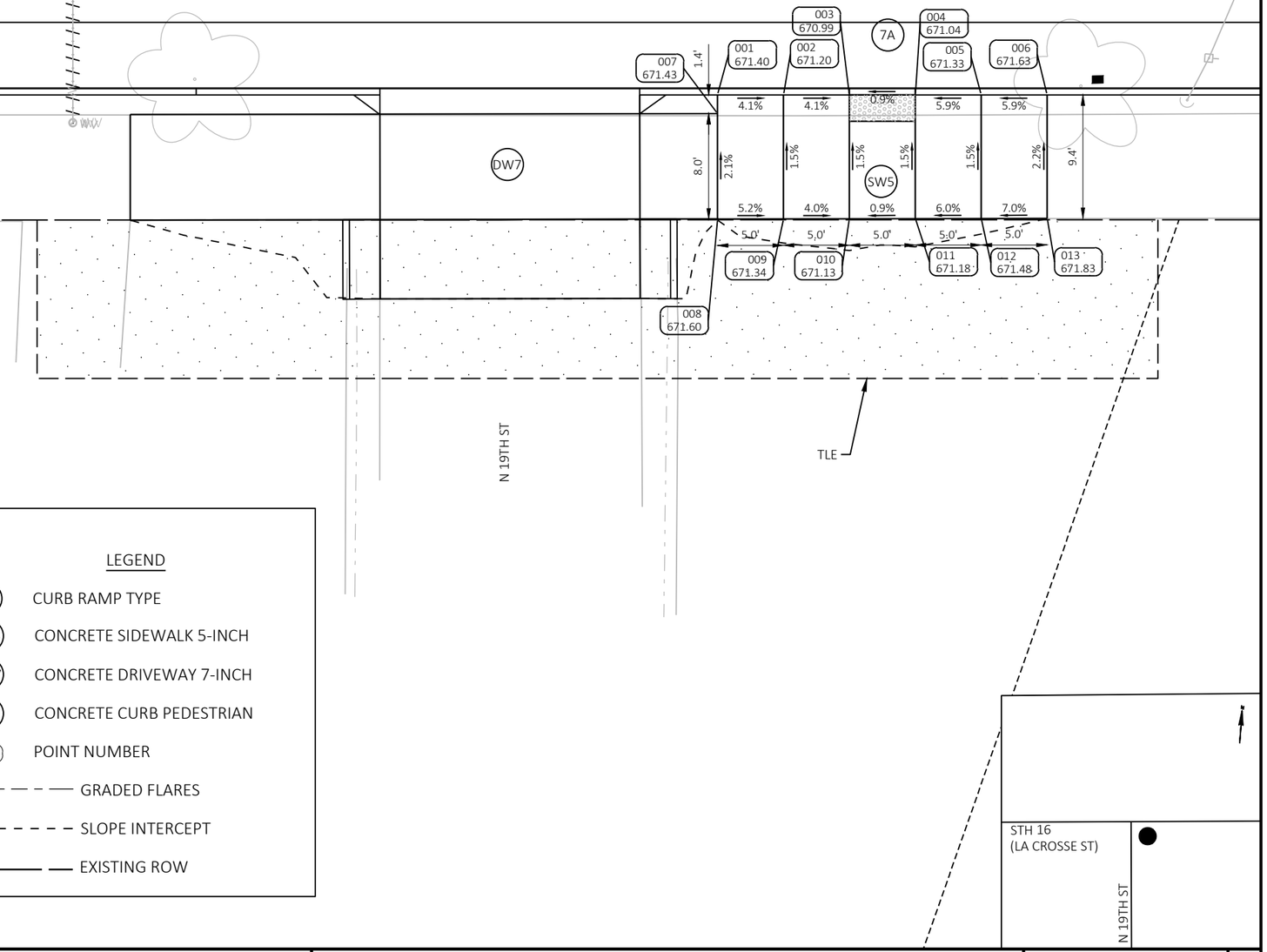


PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAIL	SHEET 54	E

STH 16 (LACROSSE ST)

132+00

N



19thStSouth					
PN	STATION	OFFSET	X	Y	ELEV
001	132+21.61	23.50' RT	451641.62	133906.43	671.40
002	132+26.61	23.50' RT	451646.60	133906.81	671.20
003	132+31.61	23.50' RT	451651.59	133907.18	670.99
004	132+36.61	23.50' RT	451656.57	133907.56	671.04
005	132+41.61	23.50' RT	451661.56	133907.94	671.33
006	132+46.61	23.50' RT	451666.55	133908.31	671.63
007	132+21.61	24.92' RT	451641.72	133905.02	671.43
008	132+21.61	32.91' RT	451642.32	133897.05	671.60
009	132+26.61	32.91' RT	451647.31	133897.42	671.34
010	132+31.61	32.90' RT	451652.29	133897.81	671.13
011	132+36.61	32.89' RT	451657.28	133898.19	671.18
012	132+41.61	32.88' RT	451662.27	133898.58	671.48
013	132+46.61	32.88' RT	451667.25	133898.96	671.83

LEGEND

- (X) CURB RAMP TYPE
- (SW5) CONCRETE SIDEWALK 5-INCH
- (DW7) CONCRETE DRIVEWAY 7-INCH
- (PED) CONCRETE CURB PEDESTRIAN
- (XX) POINT NUMBER
- GRADED FLARES
- SLOPE INTERCEPT
- EXISTING ROW

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAIL	SHEET 55	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\023103-CR.DWG
LAYOUT NAME - 02-19thSt S

PLOT DATE : 10/11/2021 2:05 PM PLOT BY : WEIGAND, BEN PLOT NAME : PLOT SCALE : 1 IN:10 FT

2

MyrickParkDrNE					
PN	STATION	OFFSET	X	Y	ELEV
101	136+36.62	37.48' LT	452050.87	133998.44	675.39
102	136+36.94	33.22' LT	452051.51	133994.20	674.79
103	136+39.63	27.22' LT	452054.64	133988.43	674.69
104	136+42.71	24.22' LT	452057.94	133985.67	675.20
105	136+39.62	33.22' LT	452054.19	133994.41	674.78
106	136+46.12	33.22' LT	452060.67	133994.90	675.20
107	136+46.13	27.22' LT	452061.12	133988.92	675.12
108	136+52.12	33.23' LT	452066.65	133995.36	675.35
109	136+52.13	27.23' LT	452067.11	133989.38	675.27
110	136+55.37	33.23' LT	452069.89	133995.61	675.37
111	136+55.38	27.23' LT	452070.35	133989.62	675.31

LEGEND

- (X) CURB RAMP TYPE
- (SW5) CONCRETE SIDEWALK 5-INCH
- (DW7) CONCRETE DRIVEWAY 7-INCH
- (PED) CONCRETE CURB PEDESTRIAN
- (XX) POINT NUMBER
- GRADED FLARES
- SLOPE INTERCEPT
- EXISTING ROW

N

101 675.39
105 674.78
106 675.20
SOD
108 675.35
110 675.37
2.7'
6.5'
6.0'
3.3'
4.3'
14.1%
102 674.79
0.3%
6.5%
2.5%
0.7%
1.4%
1.4%
6.0'
SW5
1.4%
1.1%
6.0'
4B
6.5%
2.5%
1.2%
103 674.69
14.3%
4.3'
107 675.12
109 675.27
111 675.31
104 675.20
MYRICK PARK DRIVE

STH 16 (LACROSSE ST)

137+00

MYRICK PARK DR

STH 16
(LA CROSSE ST)

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAIL	SHEET 56	E

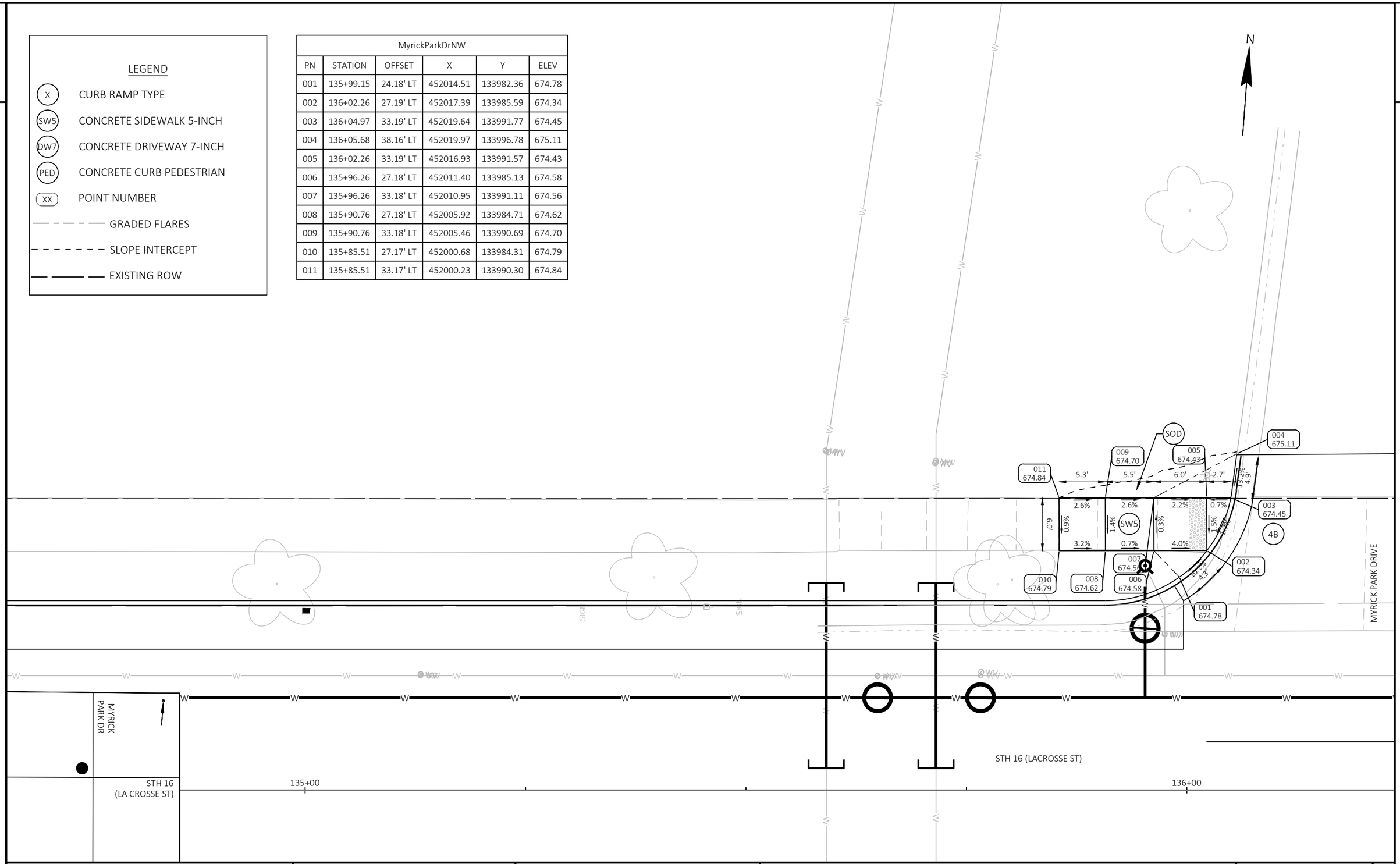
FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\7575073\SHEETSPLAN\023104-CR.DWG
LAYOUT NAME - 01-MyrickParkDrNE
PLOT DATE : 10/11/2021 2:06 PM
PLOT BY : WEIGAND, BEN
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- (X) CURB RAMP TYPE
- (SW5) CONCRETE SIDEWALK 5-INCH
- (DW7) CONCRETE DRIVEWAY 7-INCH
- (PED) CONCRETE CURB PEDESTRIAN
- (XX) POINT NUMBER
- GRADED FLARES
- SLOPE INTERCEPT
- EXISTING ROW

MyrickParkDrNW					
PN	STATION	OFFSET	X	Y	ELEV
001	135+99.15	24.18' LT	452014.51	133982.36	674.78
002	136+02.26	27.19' LT	452017.39	133985.59	674.34
003	136+04.97	33.19' LT	452019.64	133991.77	674.45
004	136+05.68	38.16' LT	452019.97	133996.78	675.11
005	136+02.26	33.19' LT	452016.93	133991.57	674.43
006	135+96.26	27.18' LT	452011.40	133985.13	674.58
007	135+96.26	33.18' LT	452010.95	133991.11	674.56
008	135+90.76	27.18' LT	452005.92	133984.71	674.62
009	135+90.76	33.18' LT	452005.46	133990.69	674.70
010	135+85.51	27.17' LT	452000.68	133984.31	674.79
011	135+85.51	33.17' LT	452000.23	133990.30	674.84



PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAIL	SHEET 57	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\023104-CR.DWG
LAYOUT NAME - 04-MyrickParkDrNW
PLOT DATE : 10/11/2021 2:06 PM PLOT BY : WEIGAND, BEN PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

HillViewNE					
PN	STATION	OFFSET	X	Y	ELEV
001	140+24.99	37.47' LT	452439.49	134026.36	672.84
002	140+26.06	33.02' LT	452440.74	134021.96	672.31
003	140+30.59	27.04' LT	452445.52	134016.18	672.27
004	140+35.31	24.61' LT	452450.33	134013.94	672.69
005	140+30.57	33.04' LT	452445.24	134022.17	672.36
006	140+36.05	33.07' LT	452450.72	134022.42	672.73
007	140+36.05	27.07' LT	452450.97	134016.43	672.65
008	140+42.07	33.06' LT	452456.73	134022.66	672.80
009	140+42.05	27.07' LT	452456.96	134016.67	672.72
010	140+48.57	33.06' LT	452463.23	134022.93	673.08
011	140+48.56	27.42' LT	452463.46	134017.30	673.09

LEGEND

- X — CURB RAMP TYPE
- SW5 — CONCRETE SIDEWALK 5-INCH
- DW7 — CONCRETE DRIVEWAY 7-INCH
- PED — CONCRETE CURB PEDESTRIAN
- XX — POINT NUMBER
- GRADED FLARES
- SLOPE INTERCEPT
- EXISTING ROW

N

HILLVIEW AVE

TLE

001 672.84
002 672.31
003 672.27
004 672.69
005 672.36
006 672.73
007 672.65
008 672.80
009 672.72
010 673.08
011 673.09

4.5' 5.5' 6.0' 6.5'
1.0% 6.7% 1.2% 4.3%
1.5% 1.3% 1.3% 0.2%
7.0% 1.3% 5.6%
5.6'
SW5
4B

SIGN

STH 16 (LACROSSE ST)

141+00

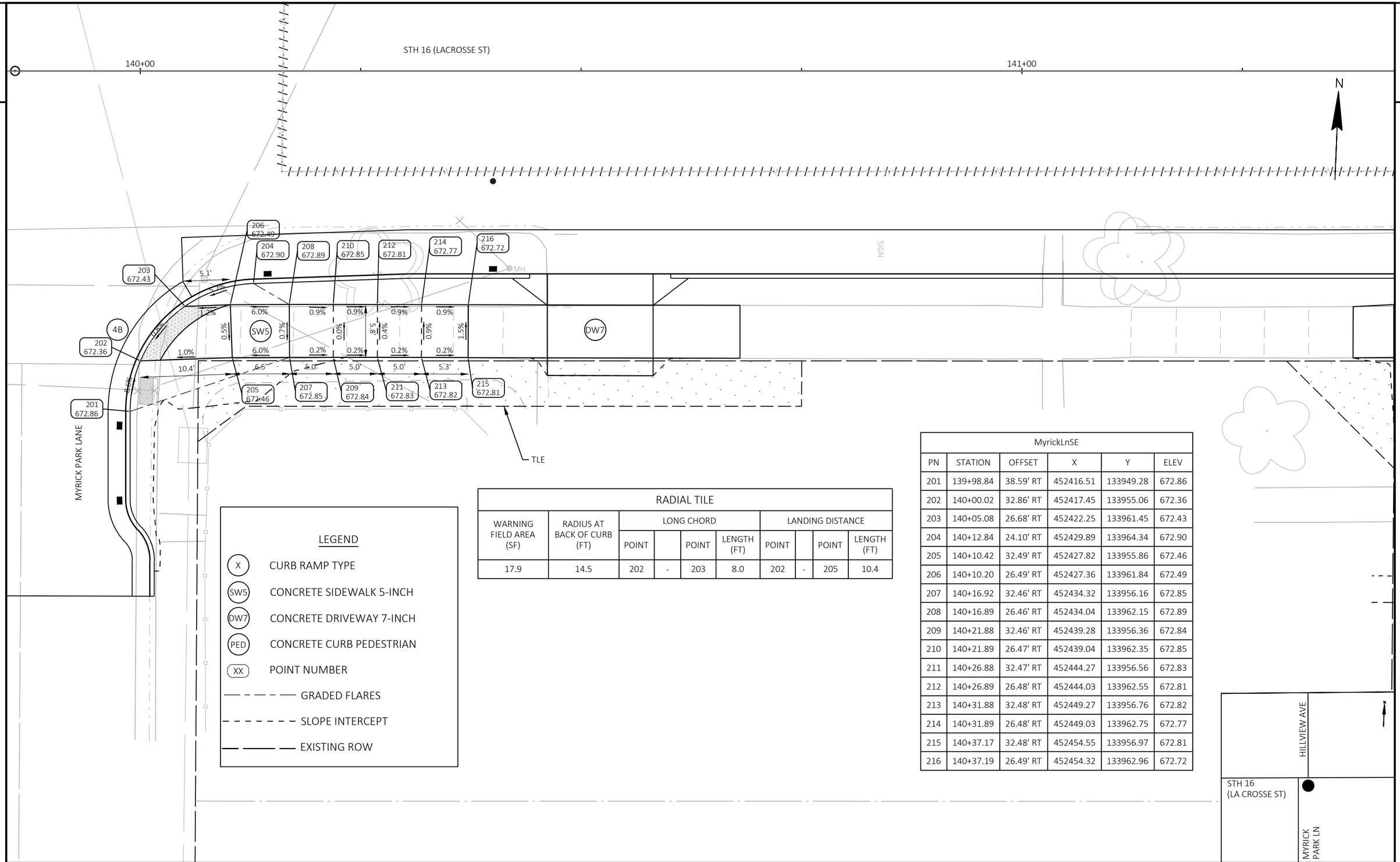
HILLVIEW AVE
STH 16 (LA CROSSE ST)
MYRICK PARK LN

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAIL	SHEET 58	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\7575073\SHEETSPLAN\023105-CR.DWG
LAYOUT NAME - 01-HillviewAveNE

PLOT DATE : 10/11/2021 2:06 PM PLOT BY : WEIGAND, BEN PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42



LEGEND

- (X) CURB RAMP TYPE
- (SW5) CONCRETE SIDEWALK 5-INCH
- (DW7) CONCRETE DRIVEWAY 7-INCH
- (PED) CONCRETE CURB PEDESTRIAN
- (XX) POINT NUMBER
- GRADED FLARES
- SLOPE INTERCEPT
- EXISTING ROW

RADIAL TILE

WARNING FIELD AREA (SF)	RADIUS AT BACK OF CURB (FT)	LONG CHORD				LANDING DISTANCE			
		POINT		POINT	LENGTH (FT)	POINT		POINT	LENGTH (FT)
17.9	14.5	202	-	203	8.0	202	-	205	10.4

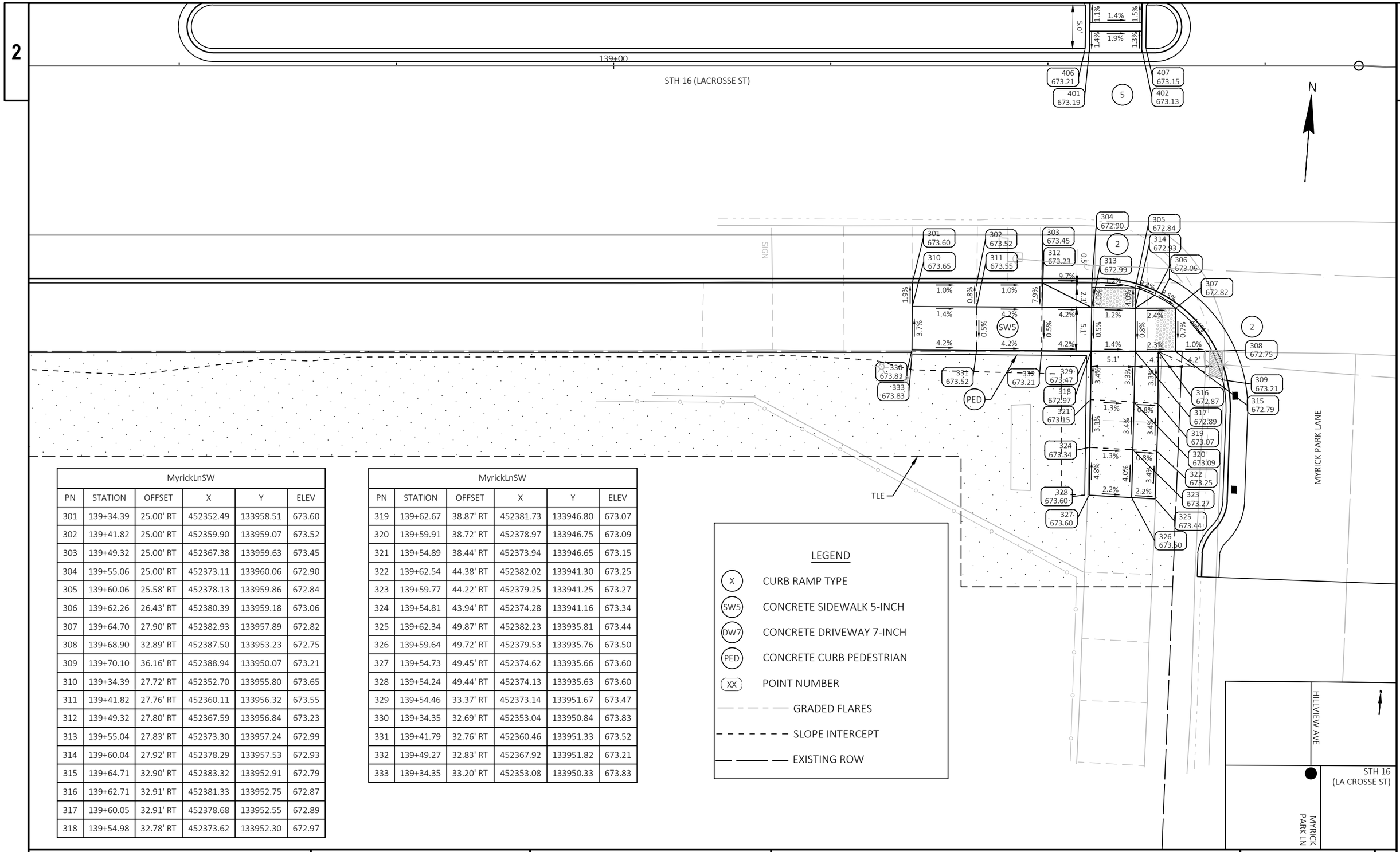
MyrickLnSE

PN	STATION	OFFSET	X	Y	ELEV
201	139+98.84	38.59' RT	452416.51	133949.28	672.86
202	140+00.02	32.86' RT	452417.45	133955.06	672.36
203	140+05.08	26.68' RT	452422.25	133961.45	672.43
204	140+12.84	24.10' RT	452429.89	133964.34	672.90
205	140+10.42	32.49' RT	452427.82	133955.86	672.46
206	140+10.20	26.49' RT	452427.36	133961.84	672.49
207	140+16.92	32.46' RT	452434.32	133956.16	672.85
208	140+16.89	26.46' RT	452434.04	133962.15	672.89
209	140+21.88	32.46' RT	452439.28	133956.36	672.84
210	140+21.89	26.47' RT	452439.04	133962.35	672.85
211	140+26.88	32.47' RT	452444.27	133956.56	672.83
212	140+26.89	26.48' RT	452444.03	133962.55	672.81
213	140+31.88	32.48' RT	452449.27	133956.76	672.82
214	140+31.89	26.48' RT	452449.03	133962.75	672.77
215	140+37.17	32.48' RT	452454.55	133956.97	672.81
216	140+37.19	26.49' RT	452454.32	133962.96	672.72

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAIL	SHEET 59	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\7575073\SHEETSPLAN\023105-CR.DWG
LAYOUT NAME - 02-MyrickParkLnSE

PLOT DATE : 10/20/2021 10:44 AM PLOT BY : WEIGAND, BEN PLOT NAME : PLOT SCALE : 1 IN:10 FT



MyrickLnSW					
PN	STATION	OFFSET	X	Y	ELEV
301	139+34.39	25.00' RT	452352.49	133958.51	673.60
302	139+41.82	25.00' RT	452359.90	133959.07	673.52
303	139+49.32	25.00' RT	452367.38	133959.63	673.45
304	139+55.06	25.00' RT	452373.11	133960.06	672.90
305	139+60.06	25.58' RT	452378.13	133959.86	672.84
306	139+62.26	26.43' RT	452380.39	133959.18	673.06
307	139+64.70	27.90' RT	452382.93	133957.89	672.82
308	139+68.90	32.89' RT	452387.50	133953.23	672.75
309	139+70.10	36.16' RT	452388.94	133950.07	673.21
310	139+34.39	27.72' RT	452352.70	133955.80	673.65
311	139+41.82	27.76' RT	452360.11	133956.32	673.55
312	139+49.32	27.80' RT	452367.59	133956.84	673.23
313	139+55.04	27.83' RT	452373.30	133957.24	672.99
314	139+60.04	27.92' RT	452378.29	133957.53	672.93
315	139+64.71	32.90' RT	452383.32	133952.91	672.79
316	139+62.71	32.91' RT	452381.33	133952.75	672.87
317	139+60.05	32.91' RT	452378.68	133952.55	672.89
318	139+54.98	32.78' RT	452373.62	133952.30	672.97

MyrickLnSW					
PN	STATION	OFFSET	X	Y	ELEV
319	139+62.67	38.87' RT	452381.73	133946.80	673.07
320	139+59.91	38.72' RT	452378.97	133946.75	673.09
321	139+54.89	38.44' RT	452373.94	133946.65	673.15
322	139+62.54	44.38' RT	452382.02	133941.30	673.25
323	139+59.77	44.22' RT	452379.25	133941.25	673.27
324	139+54.81	43.94' RT	452374.28	133941.16	673.34
325	139+62.34	49.87' RT	452382.23	133935.81	673.44
326	139+59.64	49.72' RT	452379.53	133935.76	673.50
327	139+54.73	49.45' RT	452374.62	133935.66	673.60
328	139+54.24	49.44' RT	452374.13	133935.63	673.60
329	139+54.46	33.37' RT	452373.14	133951.67	673.47
330	139+34.35	32.69' RT	452353.04	133950.84	673.83
331	139+41.79	32.76' RT	452360.46	133951.33	673.52
332	139+49.27	32.83' RT	452367.92	133951.82	673.21
333	139+34.35	33.20' RT	452353.08	133950.33	673.83

LEGEND

- (X) CURB RAMP TYPE
- (SW5) CONCRETE SIDEWALK 5-INCH
- (DW7) CONCRETE DRIVEWAY 7-INCH
- (PED) CONCRETE CURB PEDESTRIAN
- (XX) POINT NUMBER
- GRADED FLARES
- SLOPE INTERCEPT
- EXISTING ROW

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAIL	SHEET 60	E

2

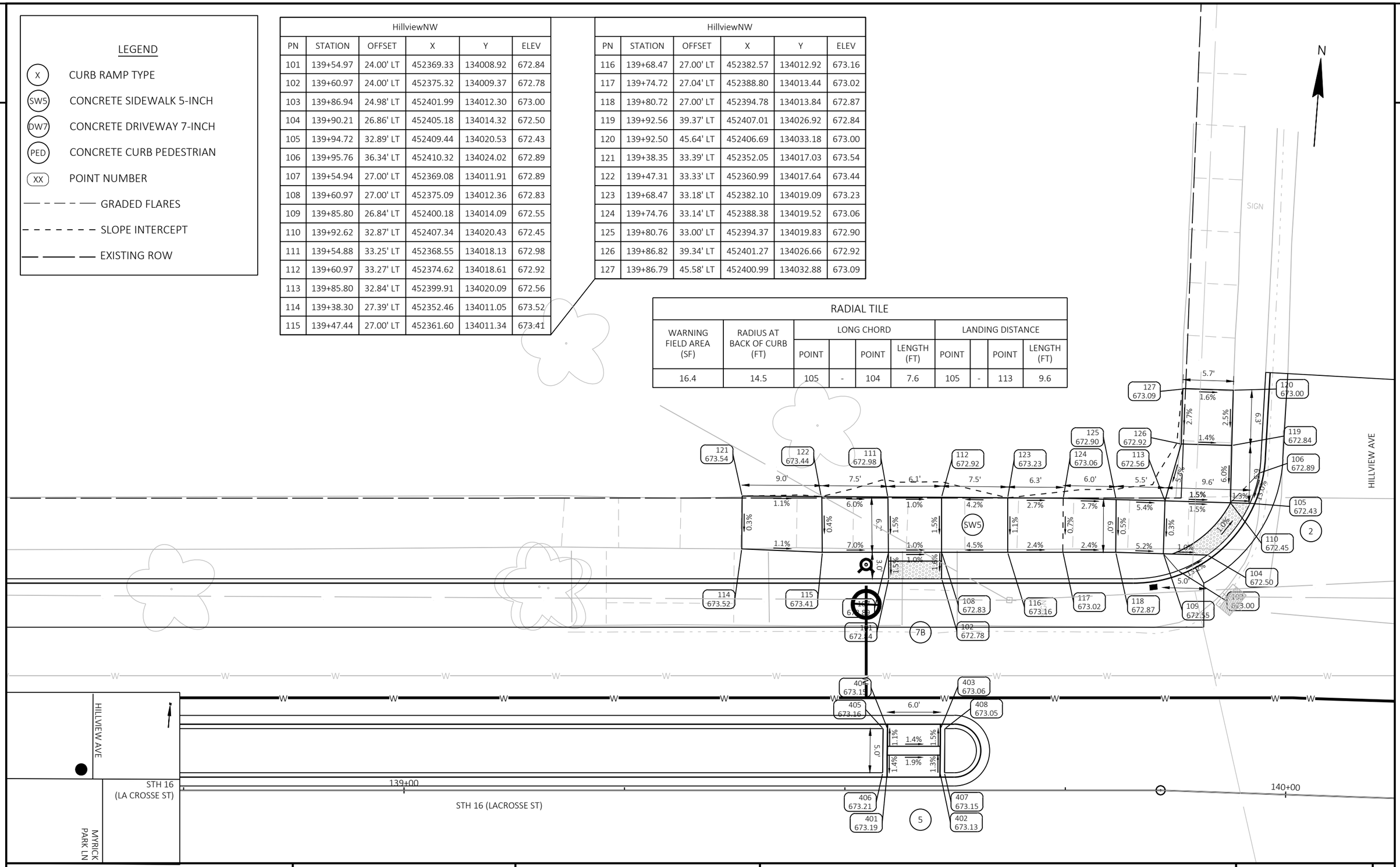
LEGEND

- (X) CURB RAMP TYPE
- (SW5) CONCRETE SIDEWALK 5-INCH
- (DW7) CONCRETE DRIVEWAY 7-INCH
- (PED) CONCRETE CURB PEDESTRIAN
- (XX) POINT NUMBER
- GRADED FLARES
- SLOPE INTERCEPT
- EXISTING ROW

HillviewNW					
PN	STATION	OFFSET	X	Y	ELEV
101	139+54.97	24.00' LT	452369.33	134008.92	672.84
102	139+60.97	24.00' LT	452375.32	134009.37	672.78
103	139+86.94	24.98' LT	452401.99	134012.30	673.00
104	139+90.21	26.86' LT	452405.18	134014.32	672.50
105	139+94.72	32.89' LT	452409.44	134020.53	672.43
106	139+95.76	36.34' LT	452410.32	134024.02	672.89
107	139+54.94	27.00' LT	452369.08	134011.91	672.89
108	139+60.97	27.00' LT	452375.09	134012.36	672.83
109	139+85.80	26.84' LT	452400.18	134014.09	672.55
110	139+92.62	32.87' LT	452407.34	134020.43	672.45
111	139+54.88	33.25' LT	452368.55	134018.13	672.98
112	139+60.97	33.27' LT	452374.62	134018.61	672.92
113	139+85.80	32.84' LT	452399.91	134020.09	672.56
114	139+38.30	27.39' LT	452352.46	134011.05	673.52
115	139+47.44	27.00' LT	452361.60	134011.34	673.41

HillviewNW					
PN	STATION	OFFSET	X	Y	ELEV
116	139+68.47	27.00' LT	452382.57	134012.92	673.16
117	139+74.72	27.04' LT	452388.80	134013.44	673.02
118	139+80.72	27.00' LT	452394.78	134013.84	672.87
119	139+92.56	39.37' LT	452407.01	134026.92	672.84
120	139+92.50	45.64' LT	452406.69	134033.18	673.00
121	139+38.35	33.39' LT	452352.05	134017.03	673.54
122	139+47.31	33.33' LT	452360.99	134017.64	673.44
123	139+68.47	33.18' LT	452382.10	134019.09	673.23
124	139+74.76	33.14' LT	452388.38	134019.52	673.06
125	139+80.76	33.00' LT	452394.37	134019.83	672.90
126	139+86.82	39.34' LT	452401.27	134026.66	672.92
127	139+86.79	45.58' LT	452400.99	134032.88	673.09

RADIAL TILE									
WARNING FIELD AREA (SF)	RADIUS AT BACK OF CURB (FT)	LONG CHORD				LANDING DISTANCE			
		POINT		POINT	LENGTH (FT)	POINT		POINT	LENGTH (FT)
16.4	14.5	105	-	104	7.6	105	-	113	9.6



PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAIL	SHEET 61	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\7575073\SHEETSPLAN\023105-CR.DWG
LAYOUT NAME - 04-HillviewAveNW

PLOT DATE : 10/20/2021 7:45 AM PLOT BY : WEIGAND, BEN PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

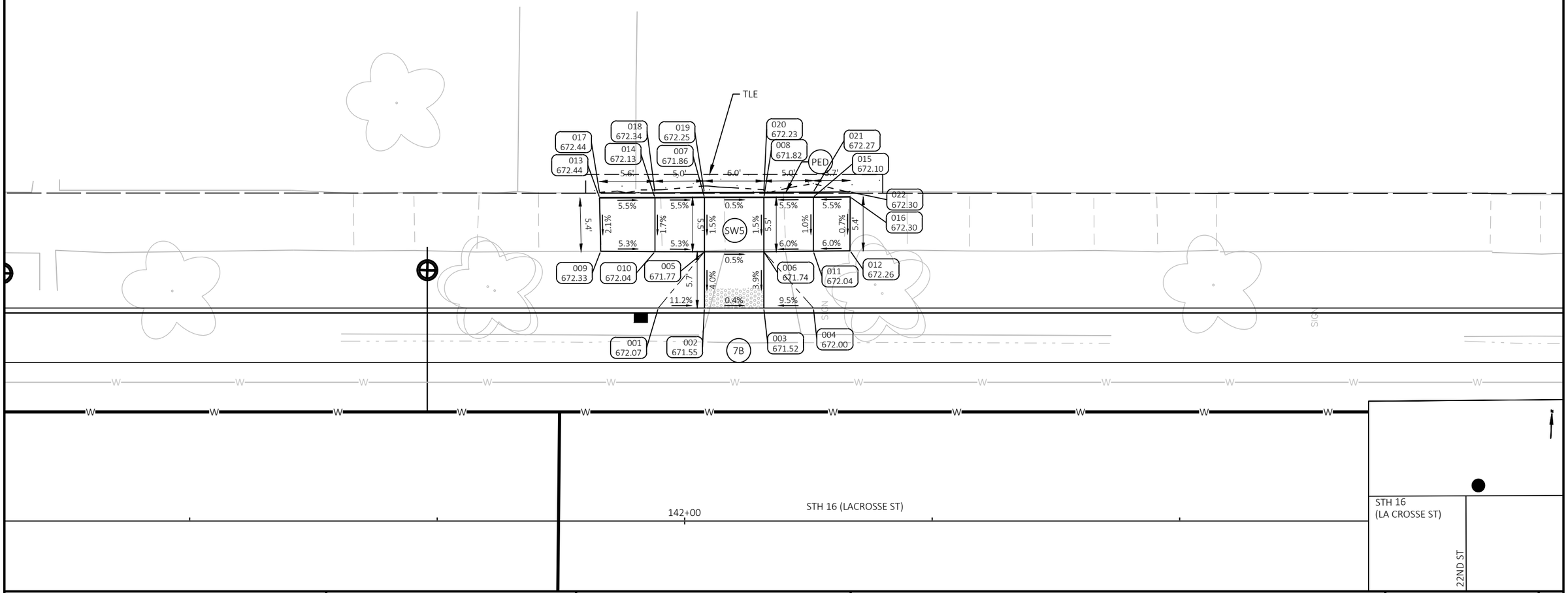
22ndStNE					
PN	STATION	OFFSET	X	Y	ELEV
001	141+97.33	21.51' LT	452612.34	134017.54	672.07
002	142+01.99	21.50' LT	452617.00	134017.73	671.55
003	142+07.99	21.50' LT	452622.99	134017.97	671.52
004	142+12.99	21.50' LT	452627.99	134018.18	672.00
005	142+01.99	27.18' LT	452616.76	134023.40	671.77
006	142+07.99	27.18' LT	452622.76	134023.65	671.74
007	142+01.99	32.68' LT	452616.53	134028.90	671.86
008	142+07.99	32.68' LT	452622.53	134029.14	671.82
009	141+91.50	27.23' LT	452606.28	134023.02	672.33
010	141+96.99	27.21' LT	452611.76	134023.22	672.04
011	142+12.99	27.24' LT	452627.75	134023.92	672.04
012	142+16.70	27.29' LT	452631.46	134024.12	672.26

22ndStNE					
PN	STATION	OFFSET	X	Y	ELEV
013	141+91.40	32.63' LT	452605.95	134028.41	672.44
014	141+96.99	32.66' LT	452611.54	134028.67	672.13
015	142+12.99	32.71' LT	452627.52	134029.38	672.10
016	142+16.71	32.73' LT	452631.23	134029.56	672.30
017	141+91.40	33.13' LT	452605.93	134028.91	672.44
018	141+96.99	33.15' LT	452611.52	134029.16	672.34
019	142+01.99	33.18' LT	452616.51	134029.40	672.25
020	142+07.99	33.18' LT	452622.51	134029.64	672.23
021	142+12.99	33.21' LT	452627.50	134029.88	672.27
022	142+16.70	33.23' LT	452631.21	134030.06	672.30

LEGEND

- X — CURB RAMP TYPE
- SW5 — CONCRETE SIDEWALK 5-INCH
- DW7 — CONCRETE DRIVEWAY 7-INCH
- PED — CONCRETE CURB PEDESTRIAN
- XX — POINT NUMBER
- GRADED FLARES
- SLOPE INTERCEPT
- EXISTING ROW

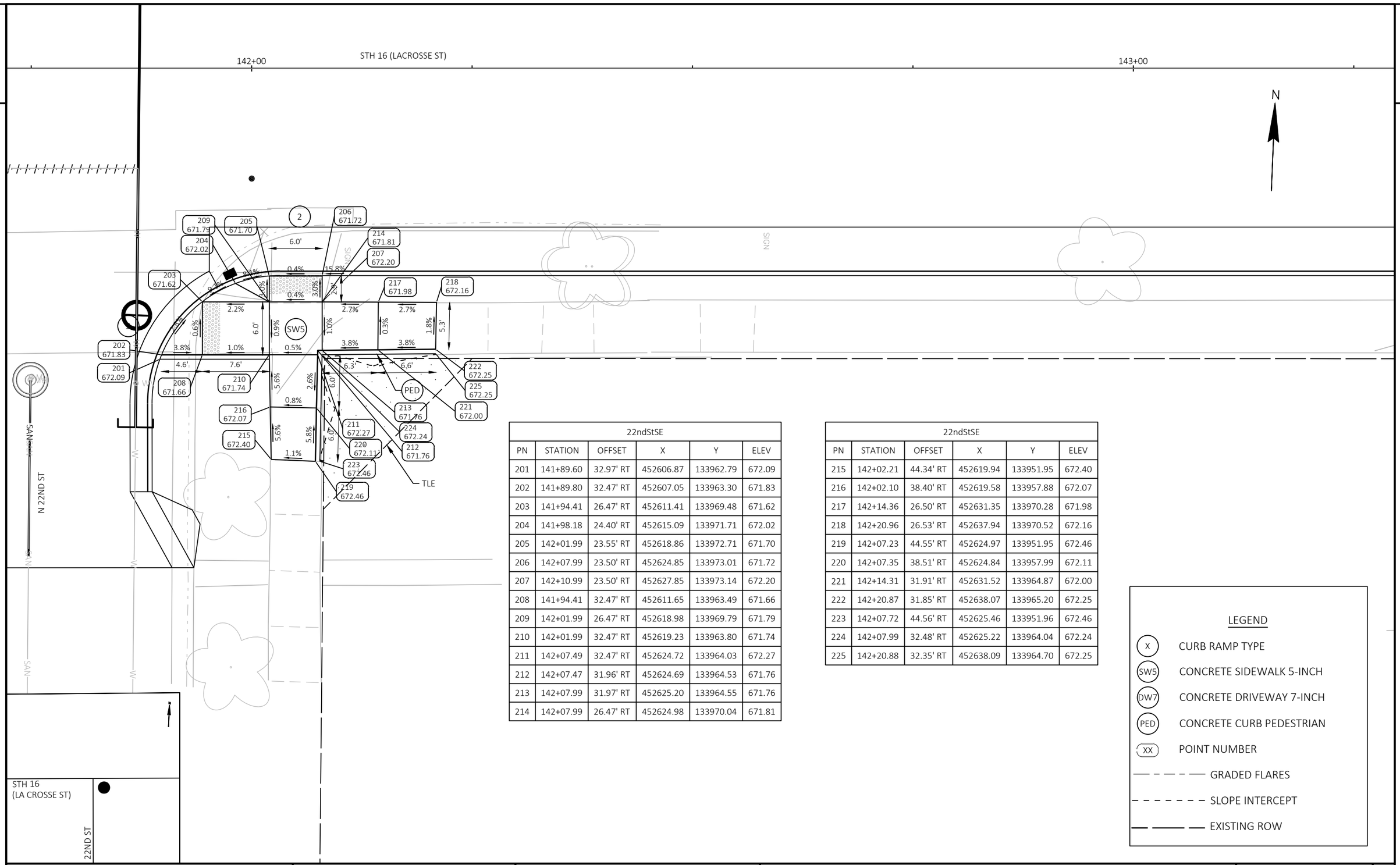
N



PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAIL	SHEET 62	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\023106-CR.DWG
LAYOUT NAME - 01-22ndStNE

PLOT DATE : 10/11/2021 2:07 PM PLOT BY : WEIGAND, BEN PLOT NAME : PLOT SCALE : 1 IN:10 FT



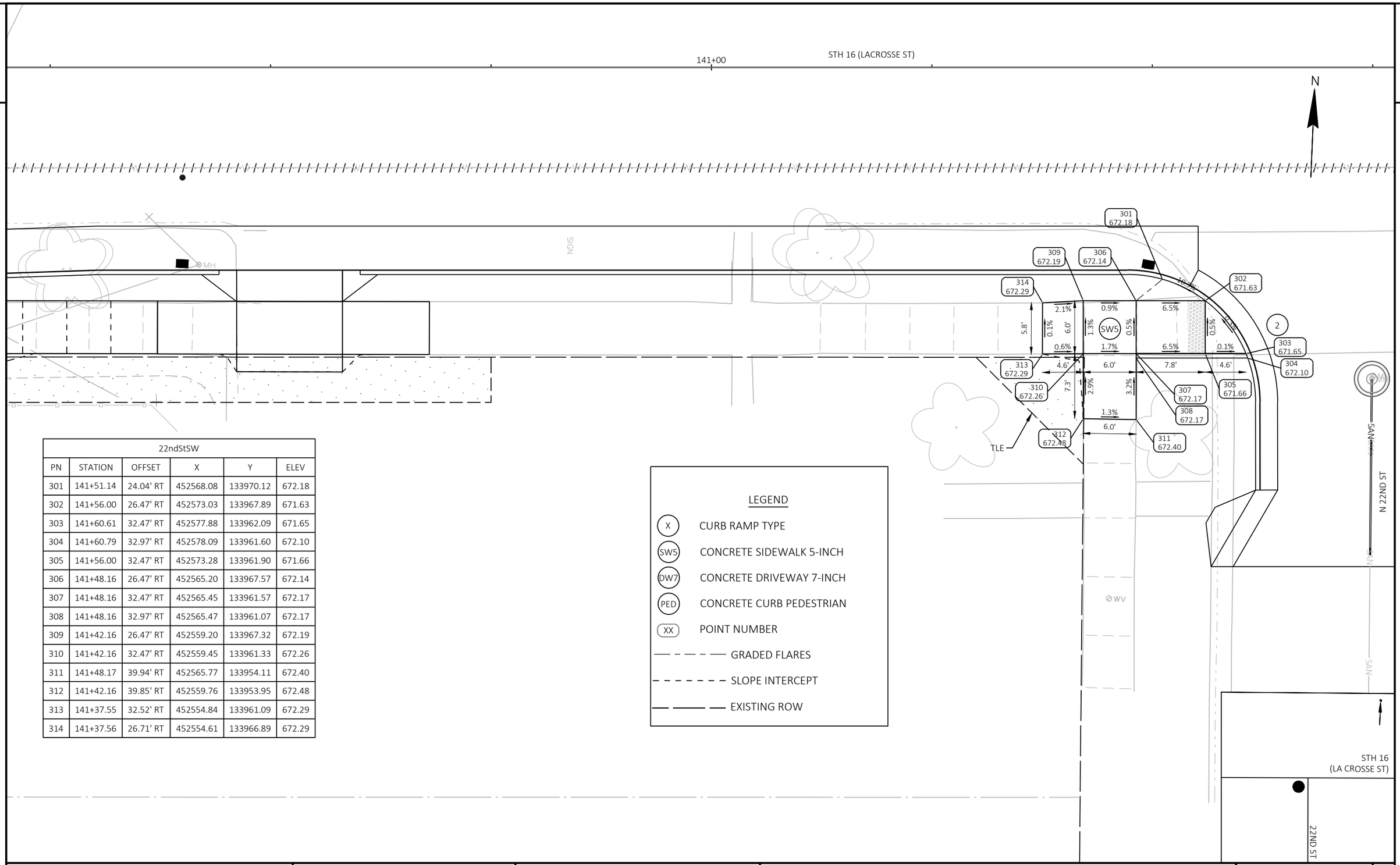
22ndStSE					
PN	STATION	OFFSET	X	Y	ELEV
201	141+89.60	32.97' RT	452606.87	133962.79	672.09
202	141+89.80	32.47' RT	452607.05	133963.30	671.83
203	141+94.41	26.47' RT	452611.41	133969.48	671.62
204	141+98.18	24.40' RT	452615.09	133971.71	672.02
205	142+01.99	23.55' RT	452618.86	133972.71	671.70
206	142+07.99	23.50' RT	452624.85	133973.01	671.72
207	142+10.99	23.50' RT	452627.85	133973.14	672.20
208	141+94.41	32.47' RT	452611.65	133963.49	671.66
209	142+01.99	26.47' RT	452618.98	133969.79	671.79
210	142+01.99	32.47' RT	452619.23	133963.80	671.74
211	142+07.49	32.47' RT	452624.72	133964.03	672.27
212	142+07.47	31.96' RT	452624.69	133964.53	671.76
213	142+07.99	31.97' RT	452625.20	133964.55	671.76
214	142+07.99	26.47' RT	452624.98	133970.04	671.81

22ndStSE					
PN	STATION	OFFSET	X	Y	ELEV
215	142+02.21	44.34' RT	452619.94	133951.95	672.40
216	142+02.10	38.40' RT	452619.58	133957.88	672.07
217	142+14.36	26.50' RT	452631.35	133970.28	671.98
218	142+20.96	26.53' RT	452637.94	133970.52	672.16
219	142+07.23	44.55' RT	452624.97	133951.95	672.46
220	142+07.35	38.51' RT	452624.84	133957.99	672.11
221	142+14.31	31.91' RT	452631.52	133964.87	672.00
222	142+20.87	31.85' RT	452638.07	133965.20	672.25
223	142+07.72	44.56' RT	452625.46	133951.96	672.46
224	142+07.99	32.48' RT	452625.22	133964.04	672.24
225	142+20.88	32.35' RT	452638.09	133964.70	672.25

LEGEND

- X — CURB RAMP TYPE
- SW5 — CONCRETE SIDEWALK 5-INCH
- DW7 — CONCRETE DRIVEWAY 7-INCH
- PED — CONCRETE CURB PEDESTRIAN
- XX — POINT NUMBER
- GRADED FLARES
- SLOPE INTERCEPT
- EXISTING ROW

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAIL	SHEET 63	E



22ndStSW					
PN	STATION	OFFSET	X	Y	ELEV
301	141+51.14	24.04' RT	452568.08	133970.12	672.18
302	141+56.00	26.47' RT	452573.03	133967.89	671.63
303	141+60.61	32.47' RT	452577.88	133962.09	671.65
304	141+60.79	32.97' RT	452578.09	133961.60	672.10
305	141+56.00	32.47' RT	452573.28	133961.90	671.66
306	141+48.16	26.47' RT	452565.20	133967.57	672.14
307	141+48.16	32.47' RT	452565.45	133961.57	672.17
308	141+48.16	32.97' RT	452565.47	133961.07	672.17
309	141+42.16	26.47' RT	452559.20	133967.32	672.19
310	141+42.16	32.47' RT	452559.45	133961.33	672.26
311	141+48.17	39.94' RT	452565.77	133954.11	672.40
312	141+42.16	39.85' RT	452559.76	133953.95	672.48
313	141+37.55	32.52' RT	452554.84	133961.09	672.29
314	141+37.56	26.71' RT	452554.61	133966.89	672.29

LEGEND

- X — CURB RAMP TYPE
- SW5 — CONCRETE SIDEWALK 5-INCH
- DW7 — CONCRETE DRIVEWAY 7-INCH
- PED — CONCRETE CURB PEDESTRIAN
- XX — POINT NUMBER
- GRADED FLARES
- SLOPE INTERCEPT
- EXISTING ROW

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAIL	SHEET 64	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\7575073\SHEETSPLAN\023106-CR.DWG
LAYOUT NAME - 03-22ndStSW

PLOT DATE : 10/11/2021 2:07 PM PLOT BY : WEIGAND, BEN PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- X — CURB RAMP TYPE
- SW5 — CONCRETE SIDEWALK 5-INCH
- DW7 — CONCRETE DRIVEWAY 7-INCH
- PED — CONCRETE CURB PEDESTRIAN
- XX — POINT NUMBER
- GRADED FLARES
- SLOPE INTERCEPT
- EXISTING ROW

22ndStNorthNE					
PN	STATION	OFFSET	X	Y	ELEV
001	143+60.18	32.98' LT	452774.58	134035.74	671.15
002	143+60.09	33.48' LT	452774.46	134036.23	671.65
003	143+64.94	24.98' LT	452779.66	134027.94	671.48
004	143+63.01	26.98' LT	452777.65	134029.86	671.07
005	143+63.01	32.98' LT	452777.41	134035.86	671.15
006	143+69.89	32.94' LT	452784.28	134036.10	671.53
007	143+69.91	26.98' LT	452784.55	134030.15	671.45
008	143+69.91	33.48' LT	452784.28	134036.64	671.52
009	143+75.91	26.98' LT	452790.54	134030.39	671.51
010	143+75.91	32.98' LT	452790.30	134036.39	671.59
011	143+70.09	37.83' LT	452784.28	134041.00	671.62
012	143+75.91	37.76' LT	452790.10	134041.16	671.82
013	143+82.38	32.98' LT	452796.76	134036.66	671.56
014	143+82.38	26.98' LT	452797.01	134030.66	671.44

N

N 22ND ST

TLE

SIGN

STH 16 (LACROSSE ST)

144+00

STH 16
(LA CROSSE ST)

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAIL	SHEET 65	E

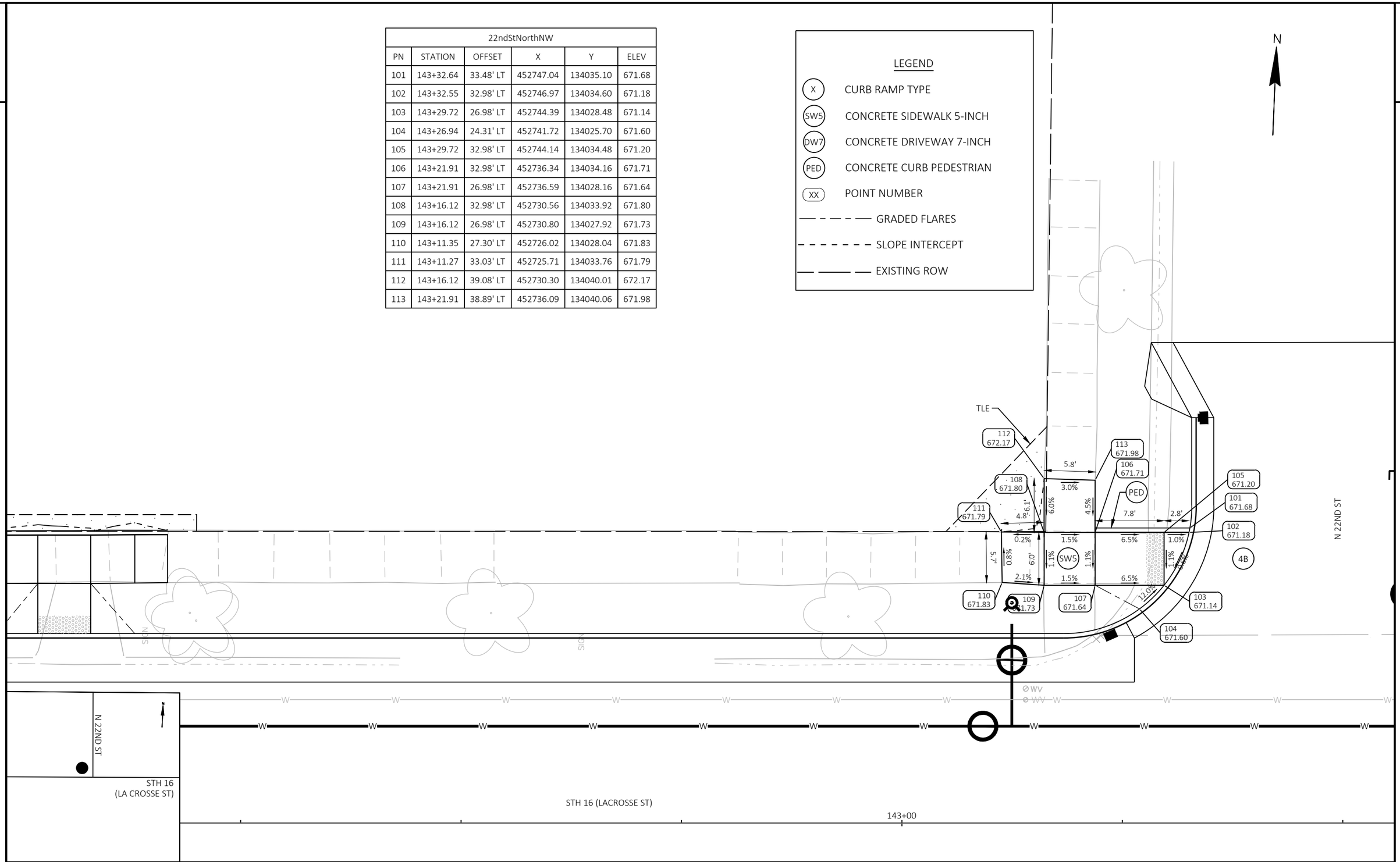
FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\023107-CR.DWG
LAYOUT NAME - 01-22ndStNE

PLOT DATE : 10/11/2021 2:07 PM PLOT BY : WEIGAND, BEN PLOT NAME : PLOT SCALE : 1 IN:10 FT

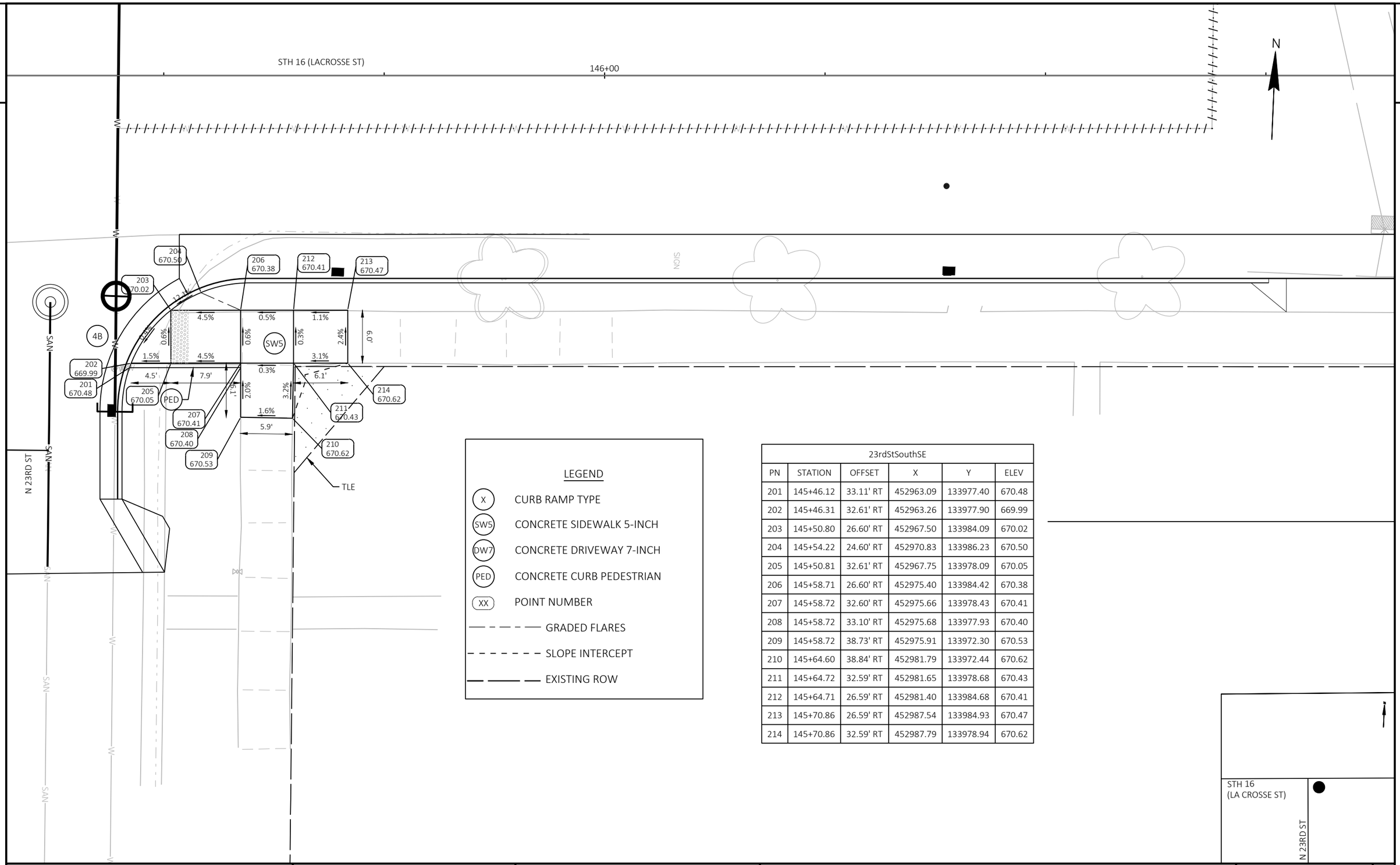
22ndStNorthNW					
PN	STATION	OFFSET	X	Y	ELEV
101	143+32.64	33.48' LT	452747.04	134035.10	671.68
102	143+32.55	32.98' LT	452746.97	134034.60	671.18
103	143+29.72	26.98' LT	452744.39	134028.48	671.14
104	143+26.94	24.31' LT	452741.72	134025.70	671.60
105	143+29.72	32.98' LT	452744.14	134034.48	671.20
106	143+21.91	32.98' LT	452736.34	134034.16	671.71
107	143+21.91	26.98' LT	452736.59	134028.16	671.64
108	143+16.12	32.98' LT	452730.56	134033.92	671.80
109	143+16.12	26.98' LT	452730.80	134027.92	671.73
110	143+11.35	27.30' LT	452726.02	134028.04	671.83
111	143+11.27	33.03' LT	452725.71	134033.76	671.79
112	143+16.12	39.08' LT	452730.30	134040.01	672.17
113	143+21.91	38.89' LT	452736.09	134040.06	671.98

LEGEND

- X — CURB RAMP TYPE
- SW5 — CONCRETE SIDEWALK 5-INCH
- DW7 — CONCRETE DRIVEWAY 7-INCH
- PED — CONCRETE CURB PEDESTRIAN
- XX — POINT NUMBER
- GRADED FLARES
- SLOPE INTERCEPT
- EXISTING ROW



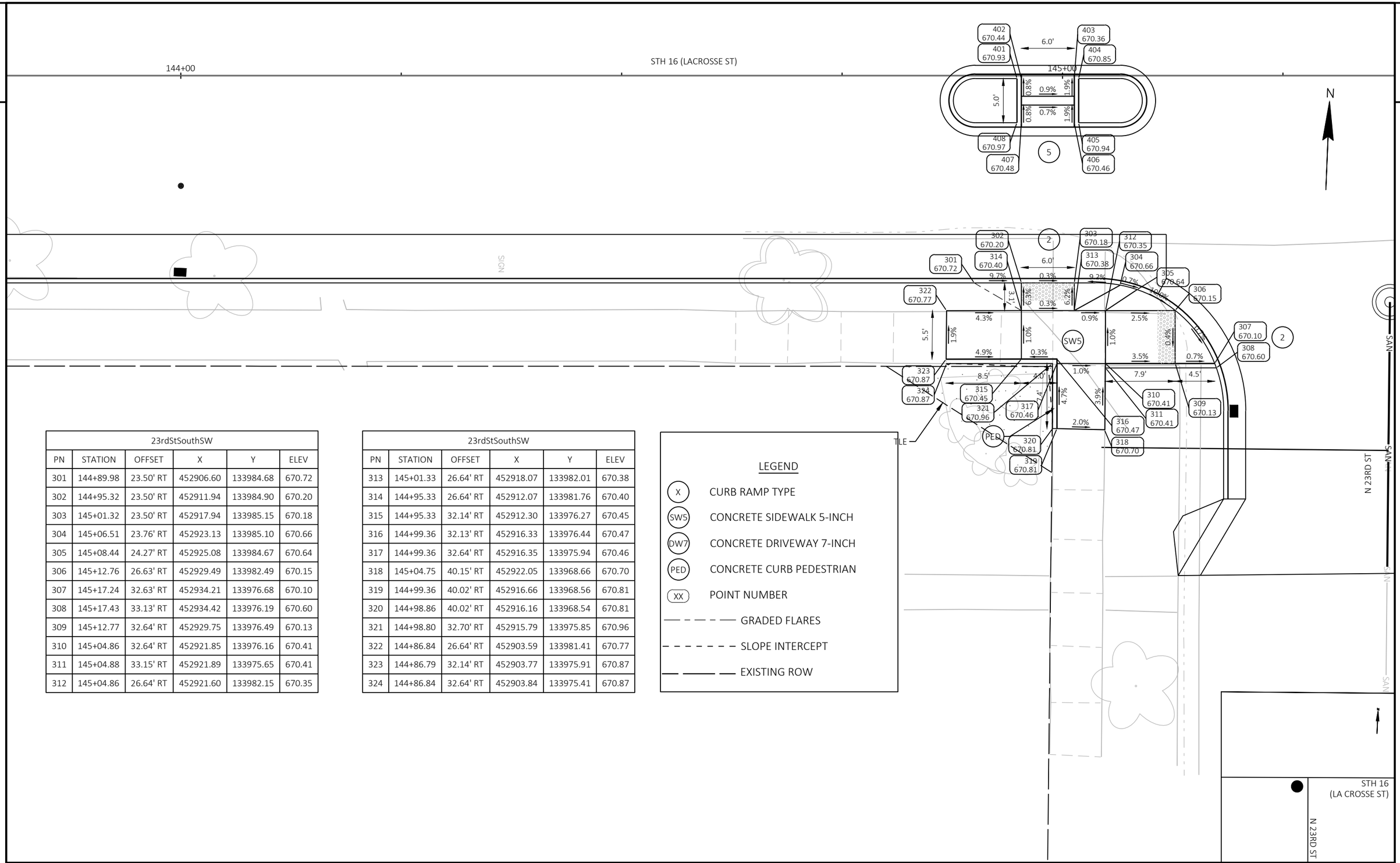
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAIL	SHEET 66	E



23rdStSouthSE					
PN	STATION	OFFSET	X	Y	ELEV
201	145+46.12	33.11' RT	452963.09	133977.40	670.48
202	145+46.31	32.61' RT	452963.26	133977.90	669.99
203	145+50.80	26.60' RT	452967.50	133984.09	670.02
204	145+54.22	24.60' RT	452970.83	133986.23	670.50
205	145+50.81	32.61' RT	452967.75	133978.09	670.05
206	145+58.71	26.60' RT	452975.40	133984.42	670.38
207	145+58.72	32.60' RT	452975.66	133978.43	670.41
208	145+58.72	33.10' RT	452975.68	133977.93	670.40
209	145+58.72	38.73' RT	452975.91	133972.30	670.53
210	145+64.60	38.84' RT	452981.79	133972.44	670.62
211	145+64.72	32.59' RT	452981.65	133978.68	670.43
212	145+64.71	26.59' RT	452981.40	133984.68	670.41
213	145+70.86	26.59' RT	452987.54	133984.93	670.47
214	145+70.86	32.59' RT	452987.79	133978.94	670.62

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAIL	SHEET 67	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\7575073\SHEETSPLAN\023108-CR.DWG
LAYOUT NAME - 02-N23rdStSE
PLOT DATE : 10/11/2021 2:08 PM PLOT BY : WEIGAND, BEN PLOT NAME : PLOT SCALE : 1 IN:10 FT



23rdStSouthSW					
PN	STATION	OFFSET	X	Y	ELEV
301	144+89.98	23.50' RT	452906.60	133984.68	670.72
302	144+95.32	23.50' RT	452911.94	133984.90	670.20
303	145+01.32	23.50' RT	452917.94	133985.15	670.18
304	145+06.51	23.76' RT	452923.13	133985.10	670.66
305	145+08.44	24.27' RT	452925.08	133984.67	670.64
306	145+12.76	26.63' RT	452929.49	133982.49	670.15
307	145+17.24	32.63' RT	452934.21	133976.68	670.10
308	145+17.43	33.13' RT	452934.42	133976.19	670.60
309	145+12.77	32.64' RT	452929.75	133976.49	670.13
310	145+04.86	32.64' RT	452921.85	133976.16	670.41
311	145+04.88	33.15' RT	452921.89	133975.65	670.41
312	145+04.86	26.64' RT	452921.60	133982.15	670.35

23rdStSouthSW					
PN	STATION	OFFSET	X	Y	ELEV
313	145+01.33	26.64' RT	452918.07	133982.01	670.38
314	144+95.33	26.64' RT	452912.07	133981.76	670.40
315	144+95.33	32.14' RT	452912.30	133976.27	670.45
316	144+99.36	32.13' RT	452916.33	133976.44	670.47
317	144+99.36	32.64' RT	452916.35	133975.94	670.46
318	145+04.75	40.15' RT	452922.05	133968.66	670.70
319	144+99.36	40.02' RT	452916.66	133968.56	670.81
320	144+98.86	40.02' RT	452916.16	133968.54	670.81
321	144+98.80	32.70' RT	452915.79	133975.85	670.96
322	144+86.84	26.64' RT	452903.59	133981.41	670.77
323	144+86.79	32.14' RT	452903.77	133975.91	670.87
324	144+86.84	32.64' RT	452903.84	133975.41	670.87

LEGEND

- (X) CURB RAMP TYPE
- (SW5) CONCRETE SIDEWALK 5-INCH
- (DW7) CONCRETE DRIVEWAY 7-INCH
- (PED) CONCRETE CURB PEDESTRIAN
- (XX) POINT NUMBER
- GRADED FLARES
- SLOPE INTERCEPT
- EXISTING ROW

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAIL	SHEET 68	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\7575073\SHEETSPLAN\023108-CR.DWG
LAYOUT NAME - 03-N23rdStSW

PLOT DATE : 10/11/2021 2:08 PM PLOT BY : WEIGAND, BEN PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

23rdStSouthNorth					
PN	STATION	OFFSET	X	Y	ELEV
001	144+88.32	21.50' LT	452903.09	134029.57	670.49
002	144+95.32	21.50' LT	452910.08	134029.86	669.94
003	145+01.32	21.50' LT	452916.07	134030.11	669.89
004	145+08.32	21.50' LT	452923.07	134030.40	670.33
005	145+01.32	26.80' LT	452915.86	134035.40	670.21
006	144+95.32	26.80' LT	452909.86	134035.15	670.25
007	144+95.32	32.30' LT	452909.63	134040.65	670.33
008	145+01.32	32.30' LT	452915.63	134040.89	670.29
009	145+08.32	26.99' LT	452922.84	134035.89	670.40
010	145+08.32	32.30' LT	452922.62	134041.18	670.52

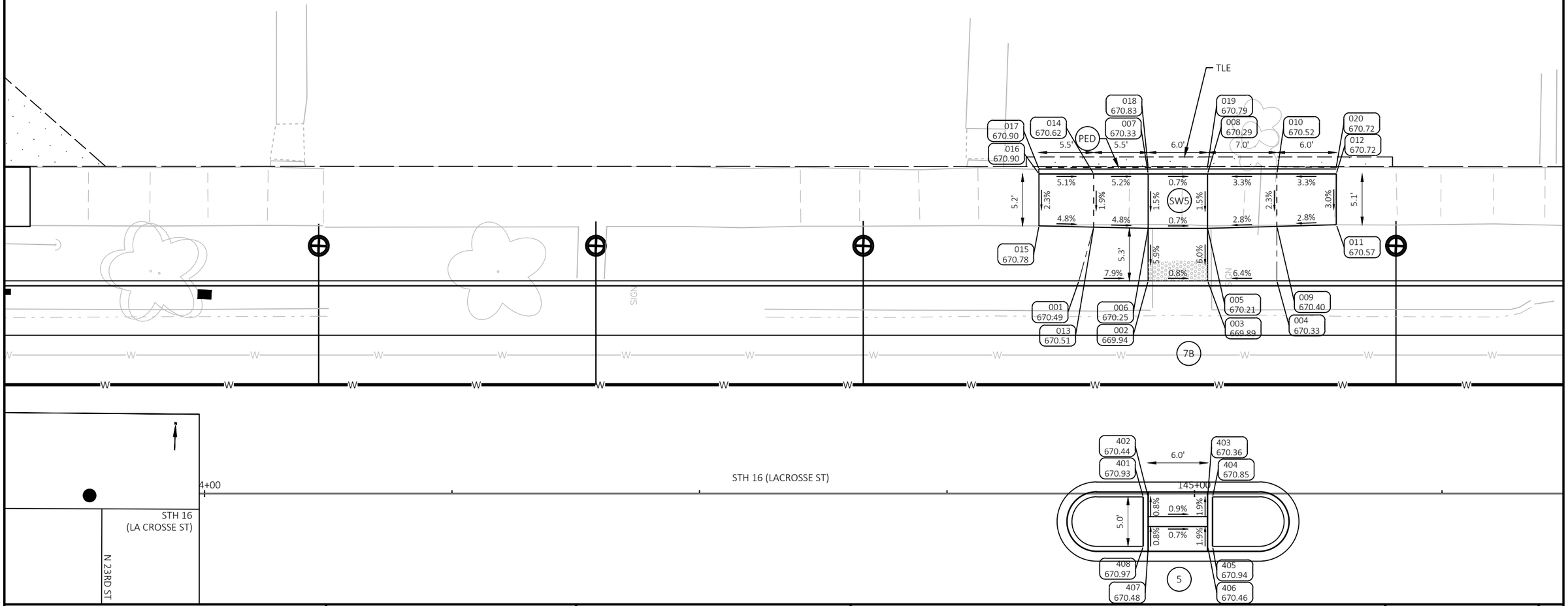
23rdStSouthNorth					
PN	STATION	OFFSET	X	Y	ELEV
011	145+14.32	27.16' LT	452928.83	134036.30	670.57
012	145+14.32	32.30' LT	452928.62	134041.43	670.72
013	144+89.82	26.92' LT	452904.36	134035.05	670.51
014	144+89.82	32.30' LT	452904.14	134040.42	670.62
015	144+84.29	27.05' LT	452898.82	134034.95	670.78
016	144+84.29	32.30' LT	452898.61	134040.19	670.90
017	144+84.30	32.78' LT	452898.60	134040.67	670.90
018	144+95.32	32.80' LT	452909.61	134041.15	670.83
019	145+01.28	32.80' LT	452915.56	134041.39	670.79
020	145+14.29	32.78' LT	452928.56	134041.91	670.72

LEGEND

- X — CURB RAMP TYPE
- SW5 — CONCRETE SIDEWALK 5-INCH
- DW7 — CONCRETE DRIVEWAY 7-INCH
- PED — CONCRETE CURB PEDESTRIAN
- XX — POINT NUMBER
- GRADED FLARES
- SLOPE INTERCEPT
- EXISTING ROW

N

23rdStSouthIsland					
PN	STATION	OFFSET	X	Y	ELEV
401	144+94.82	0.34' RT	452910.48	134008.01	670.93
402	144+95.32	0.34' RT	452910.98	134008.03	670.44
403	145+01.32	0.34' RT	452916.98	134008.28	670.36
404	145+01.82	0.34' RT	452917.48	134008.30	670.85
405	145+01.82	5.34' RT	452917.68	134003.31	670.94
406	145+01.32	5.34' RT	452917.18	134003.29	670.46
407	144+95.32	5.34' RT	452911.19	134003.04	670.48
408	144+94.82	5.34' RT	452910.69	134003.02	670.97



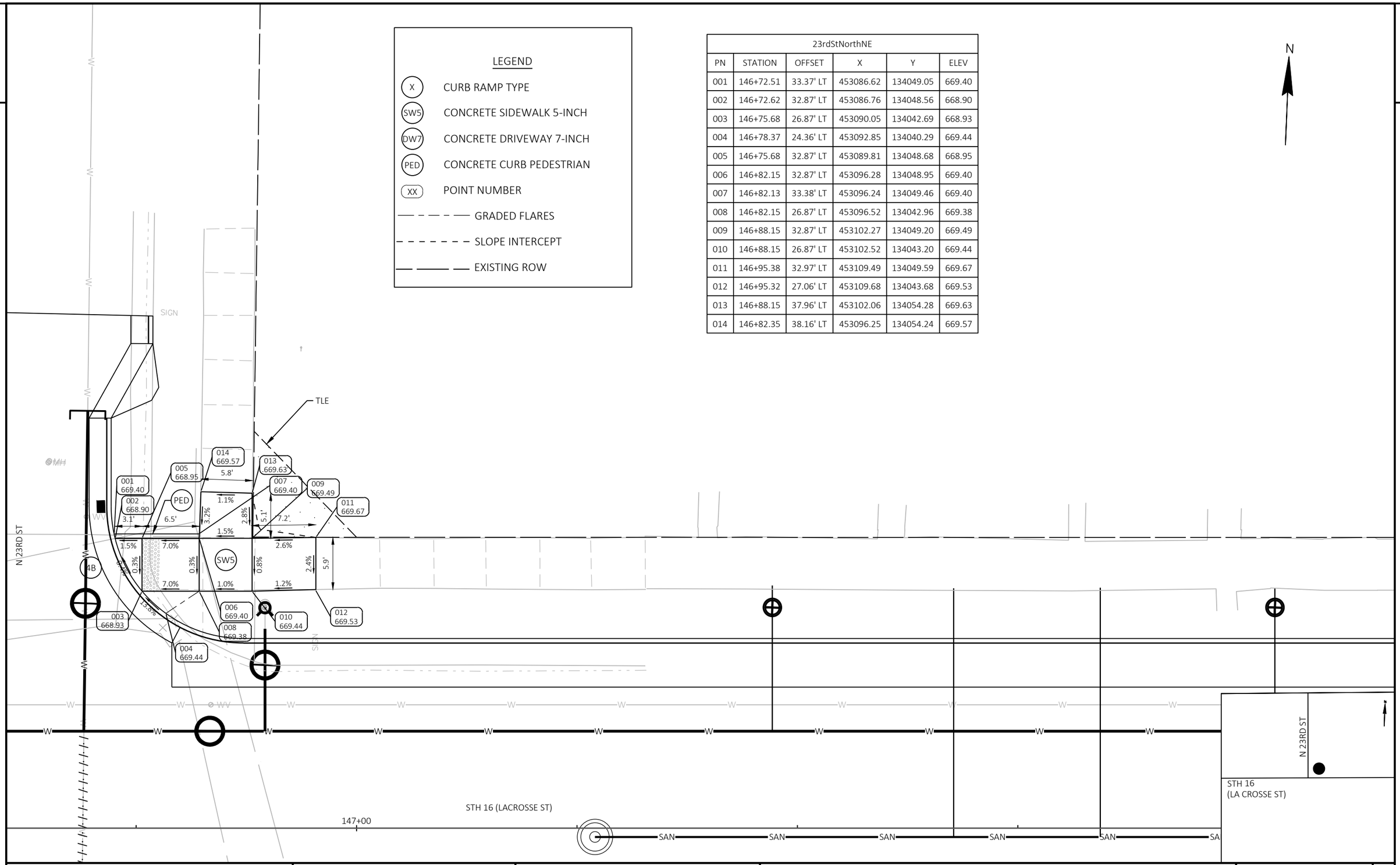
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAIL	SHEET 69	E

LEGEND

- X — CURB RAMP TYPE
- SW5 — CONCRETE SIDEWALK 5-INCH
- DW7 — CONCRETE DRIVEWAY 7-INCH
- PED — CONCRETE CURB PEDESTRIAN
- XX — POINT NUMBER
- GRADED FLARES
- SLOPE INTERCEPT
- EXISTING ROW

23rdStNorthNE					
PN	STATION	OFFSET	X	Y	ELEV
001	146+72.51	33.37' LT	453086.62	134049.05	669.40
002	146+72.62	32.87' LT	453086.76	134048.56	668.90
003	146+75.68	26.87' LT	453090.05	134042.69	668.93
004	146+78.37	24.36' LT	453092.85	134040.29	669.44
005	146+75.68	32.87' LT	453089.81	134048.68	668.95
006	146+82.15	32.87' LT	453096.28	134048.95	669.40
007	146+82.13	33.38' LT	453096.24	134049.46	669.40
008	146+82.15	26.87' LT	453096.52	134042.96	669.38
009	146+88.15	32.87' LT	453102.27	134049.20	669.49
010	146+88.15	26.87' LT	453102.52	134043.20	669.44
011	146+95.38	32.97' LT	453109.49	134049.59	669.67
012	146+95.32	27.06' LT	453109.68	134043.68	669.53
013	146+88.15	37.96' LT	453102.06	134054.28	669.63
014	146+82.35	38.16' LT	453096.25	134054.24	669.57

N



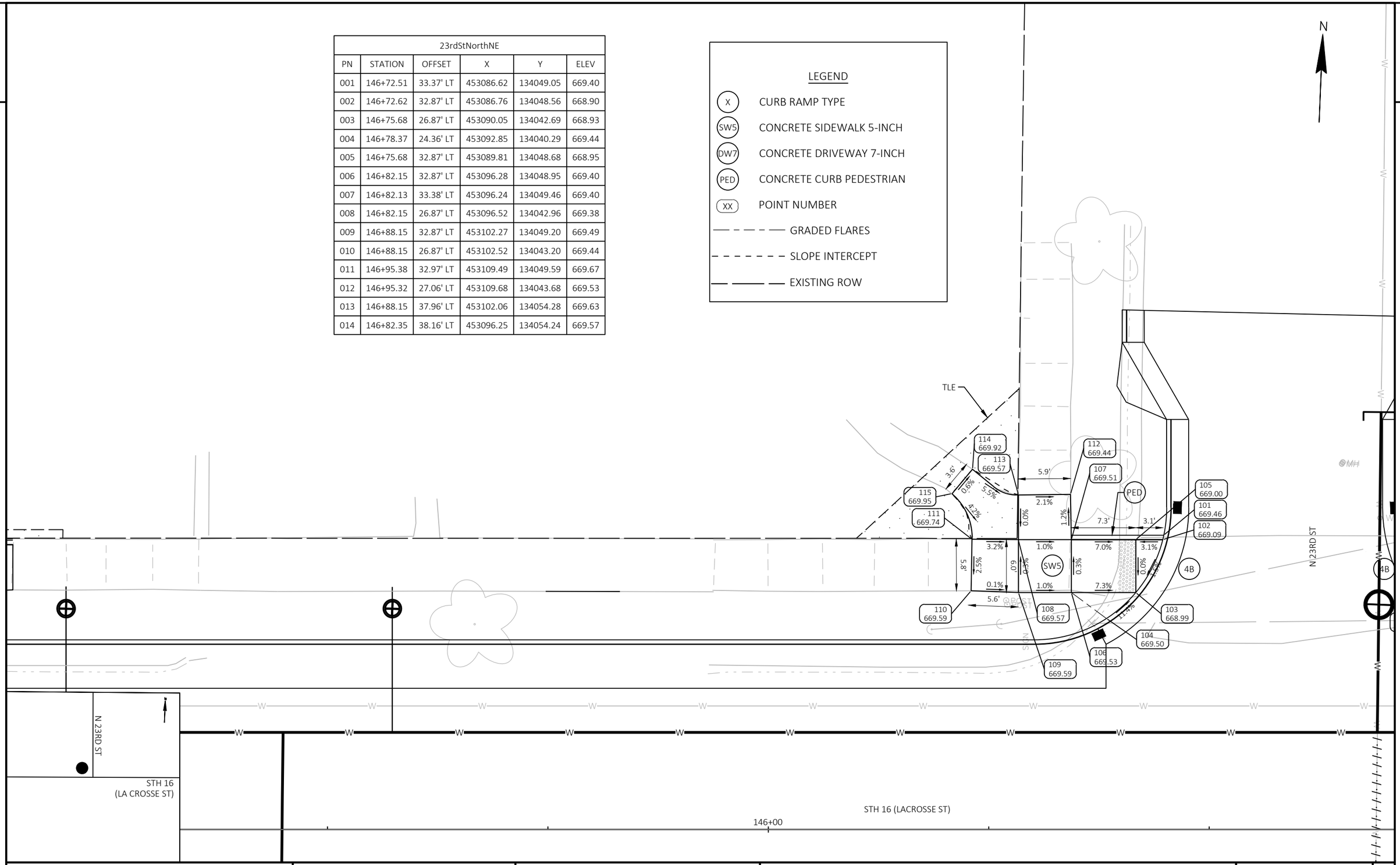
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAIL	SHEET 70	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\7575073\SHEETSPLAN\023109-CR.DWG
LAYOUT NAME - 01-N23rdStNE
PLOT DATE : 10/11/2021 2:08 PM
PLOT BY : WEIGAND, BEN
PLOT NAME :
PLOT SCALE : 1 IN:10 FT

23rdStNorthNE					
PN	STATION	OFFSET	X	Y	ELEV
001	146+72.51	33.37' LT	453086.62	134049.05	669.40
002	146+72.62	32.87' LT	453086.76	134048.56	668.90
003	146+75.68	26.87' LT	453090.05	134042.69	668.93
004	146+78.37	24.36' LT	453092.85	134040.29	669.44
005	146+75.68	32.87' LT	453089.81	134048.68	668.95
006	146+82.15	32.87' LT	453096.28	134048.95	669.40
007	146+82.13	33.38' LT	453096.24	134049.46	669.40
008	146+82.15	26.87' LT	453096.52	134042.96	669.38
009	146+88.15	32.87' LT	453102.27	134049.20	669.49
010	146+88.15	26.87' LT	453102.52	134043.20	669.44
011	146+95.38	32.97' LT	453109.49	134049.59	669.67
012	146+95.32	27.06' LT	453109.68	134043.68	669.53
013	146+88.15	37.96' LT	453102.06	134054.28	669.63
014	146+82.35	38.16' LT	453096.25	134054.24	669.57

LEGEND

- X — CURB RAMP TYPE
- SW5 — CONCRETE SIDEWALK 5-INCH
- DW7 — CONCRETE DRIVEWAY 7-INCH
- PED — CONCRETE CURB PEDESTRIAN
- XX — POINT NUMBER
- GRADED FLARES
- SLOPE INTERCEPT
- EXISTING ROW

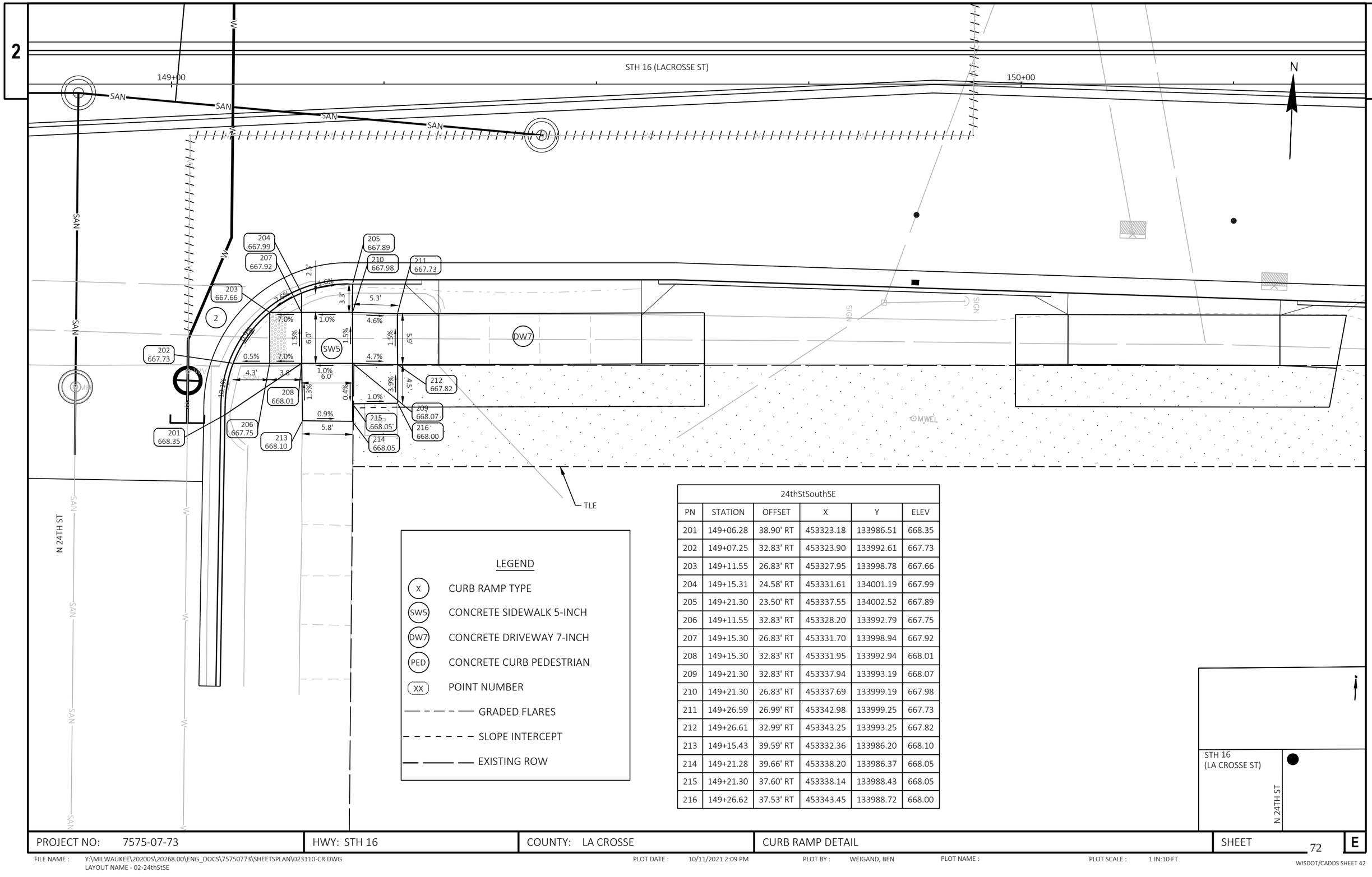


PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAIL	SHEET 71	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\7575773\SHEETSPLAN\023109-CR.DWG
LAYOUT NAME - 04-N23rdStNW

PLOT DATE : 10/11/2021 2:08 PM PLOT BY : WEIGAND, BEN PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42



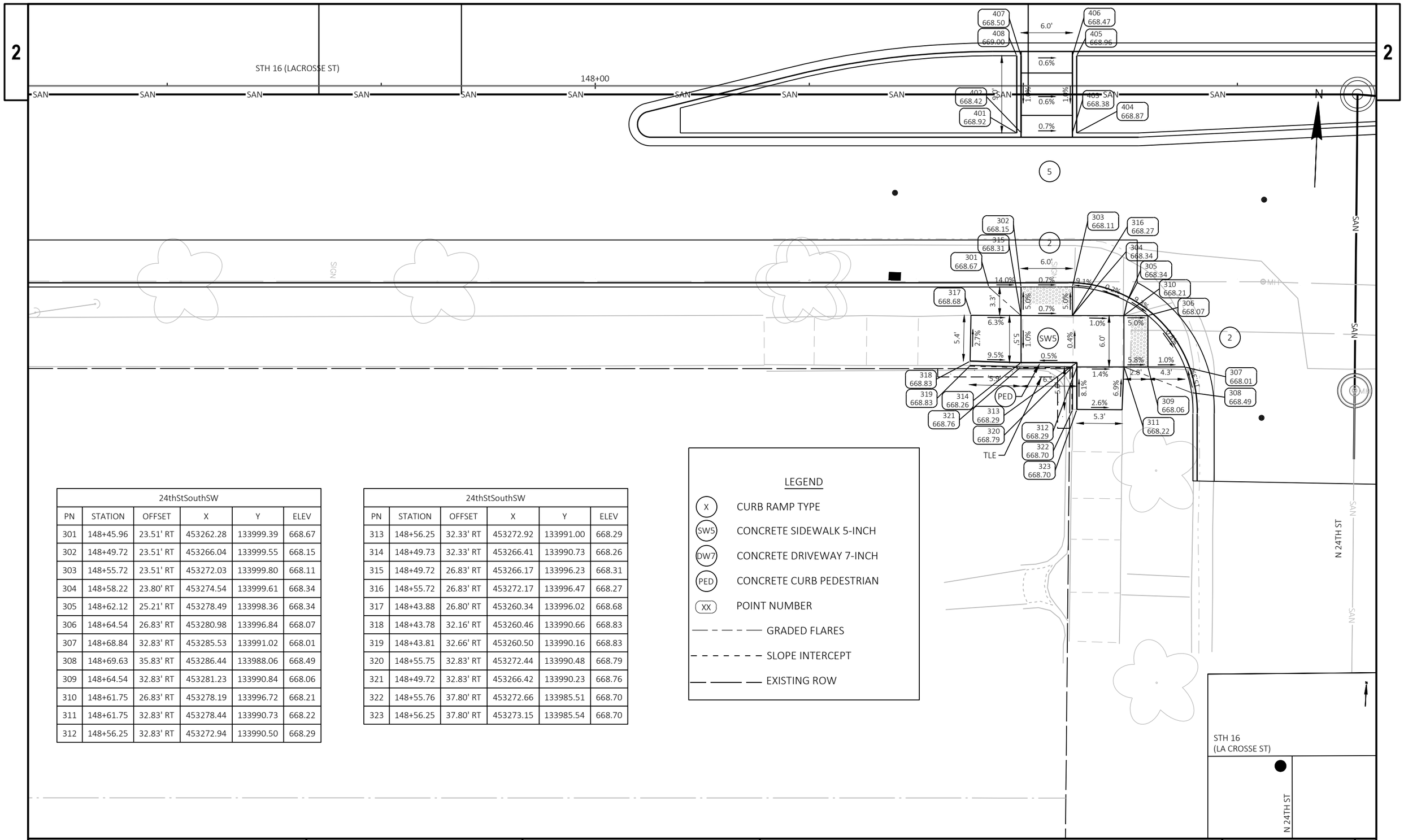
LEGEND

- X — CURB RAMP TYPE
- SW5 — CONCRETE SIDEWALK 5-INCH
- DW7 — CONCRETE DRIVEWAY 7-INCH
- PED — CONCRETE CURB PEDESTRIAN
- XX — POINT NUMBER
- GRADED FLARES
- SLOPE INTERCEPT
- EXISTING ROW

24thStSouthSE					
PN	STATION	OFFSET	X	Y	ELEV
201	149+06.28	38.90' RT	453323.18	133986.51	668.35
202	149+07.25	32.83' RT	453323.90	133992.61	667.73
203	149+11.55	26.83' RT	453327.95	133998.78	667.66
204	149+15.31	24.58' RT	453331.61	134001.19	667.99
205	149+21.30	23.50' RT	453337.55	134002.52	667.89
206	149+11.55	32.83' RT	453328.20	133992.79	667.75
207	149+15.30	26.83' RT	453331.70	133998.94	667.92
208	149+15.30	32.83' RT	453331.95	133992.94	668.01
209	149+21.30	32.83' RT	453337.94	133993.19	668.07
210	149+21.30	26.83' RT	453337.69	133999.19	667.98
211	149+26.59	26.99' RT	453342.98	133999.25	667.73
212	149+26.61	32.99' RT	453343.25	133993.25	667.82
213	149+15.43	39.59' RT	453332.36	133986.20	668.10
214	149+21.28	39.66' RT	453338.20	133986.37	668.05
215	149+21.30	37.60' RT	453338.14	133988.43	668.05
216	149+26.62	37.53' RT	453343.45	133988.72	668.00

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAIL	SHEET 72	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\023110-CR.DWG
LAYOUT NAME - 02-24thStSE
PLOT DATE : 10/11/2021 2:09 PM PLOT BY : WEIGAND, BEN PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



24thStSouthSW					
PN	STATION	OFFSET	X	Y	ELEV
301	148+45.96	23.51' RT	453262.28	133999.39	668.67
302	148+49.72	23.51' RT	453266.04	133999.55	668.15
303	148+55.72	23.51' RT	453272.03	133999.80	668.11
304	148+58.22	23.80' RT	453274.54	133999.61	668.34
305	148+62.12	25.21' RT	453278.49	133998.36	668.34
306	148+64.54	26.83' RT	453280.98	133996.84	668.07
307	148+68.84	32.83' RT	453285.53	133991.02	668.01
308	148+69.63	35.83' RT	453286.44	133988.06	668.49
309	148+64.54	32.83' RT	453281.23	133990.84	668.06
310	148+61.75	26.83' RT	453278.19	133996.72	668.21
311	148+61.75	32.83' RT	453278.44	133990.73	668.22
312	148+56.25	32.83' RT	453272.94	133990.50	668.29

24thStSouthSW					
PN	STATION	OFFSET	X	Y	ELEV
313	148+56.25	32.33' RT	453272.92	133991.00	668.29
314	148+49.73	32.33' RT	453266.41	133990.73	668.26
315	148+49.72	26.83' RT	453266.17	133996.23	668.31
316	148+55.72	26.83' RT	453272.17	133996.47	668.27
317	148+43.88	26.80' RT	453260.34	133996.02	668.68
318	148+43.78	32.16' RT	453260.46	133990.66	668.83
319	148+43.81	32.66' RT	453260.50	133990.16	668.83
320	148+55.75	32.83' RT	453272.44	133990.48	668.79
321	148+49.72	32.83' RT	453266.42	133990.23	668.76
322	148+55.76	37.80' RT	453272.66	133985.51	668.70
323	148+56.25	37.80' RT	453273.15	133985.54	668.70

LEGEND

- (X) CURB RAMP TYPE
- (SW5) CONCRETE SIDEWALK 5-INCH
- (DW7) CONCRETE DRIVEWAY 7-INCH
- (PED) CONCRETE CURB PEDESTRIAN
- (XX) POINT NUMBER
- GRADED FLARES
- SLOPE INTERCEPT
- EXISTING ROW

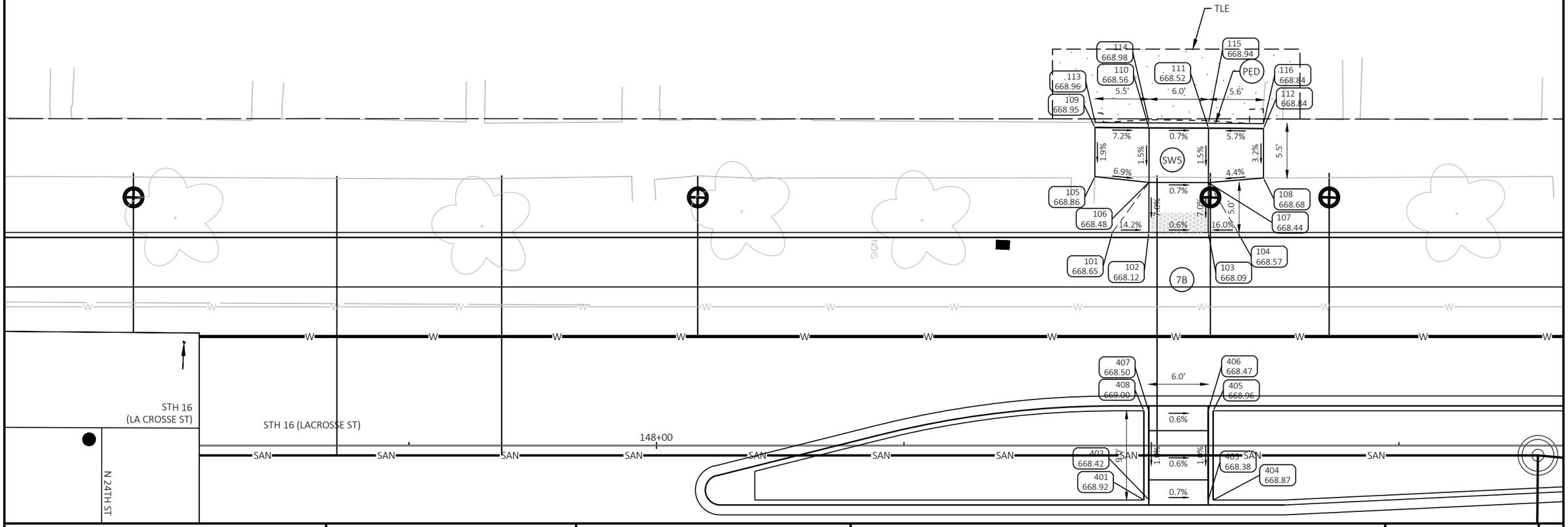
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAIL	SHEET 73	E

24thStSouthNorth					
PN	STATION	OFFSET	X	Y	ELEV
101	148+46.05	21.50' LT	453260.51	134044.37	668.65
102	148+49.73	21.50' LT	453264.18	134044.52	668.12
103	148+55.73	21.50' LT	453270.17	134044.77	668.09
104	148+58.73	21.50' LT	453273.17	134044.89	668.57
105	148+44.28	27.13' LT	453258.50	134049.91	668.86
106	148+49.74	26.55' LT	453263.98	134049.56	668.48
107	148+55.74	26.53' LT	453269.98	134049.80	668.44
108	148+61.31	27.00' LT	453275.52	134050.49	668.68
109	148+44.29	32.10' LT	453258.31	134054.88	668.95
110	148+49.76	32.05' LT	453263.77	134055.06	668.56
111	148+55.76	32.03' LT	453269.77	134055.29	668.52
112	148+61.32	31.98' LT	453275.33	134055.47	668.84
113	148+44.31	32.60' LT	453258.31	134055.38	668.96
114	148+49.76	32.55' LT	453263.75	134055.56	668.98
115	148+55.76	32.53' LT	453269.75	134055.79	668.94
116	148+61.32	32.48' LT	453275.31	134055.97	668.84

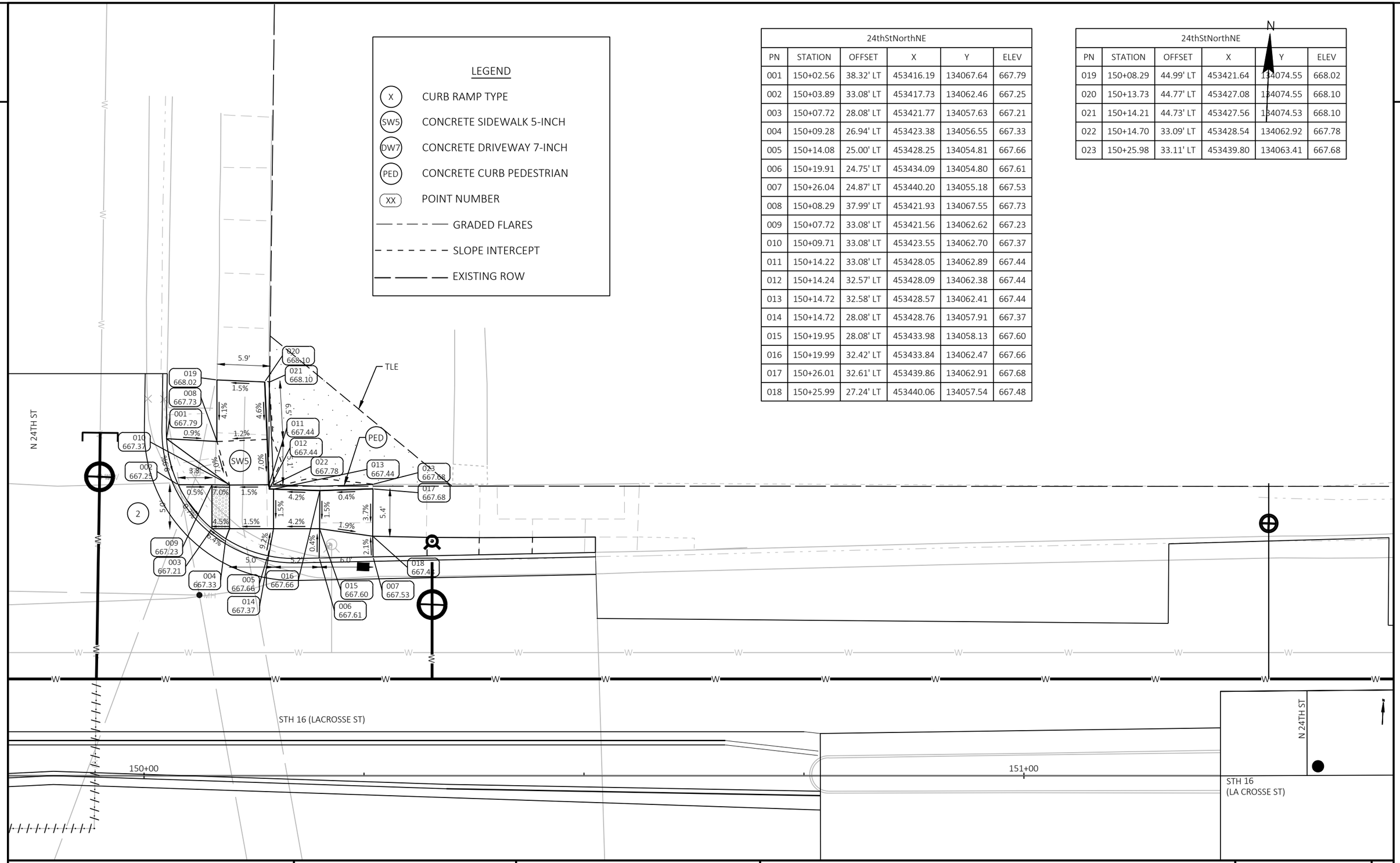
LEGEND

- (X) CURB RAMP TYPE
- (SW5) CONCRETE SIDEWALK 5-INCH
- (DW7) CONCRETE DRIVEWAY 7-INCH
- (PED) CONCRETE CURB PEDESTRIAN
- (XX) POINT NUMBER
- GRADED FLARES
- SLOPE INTERCEPT
- EXISTING ROW

24thStSouthIsland					
PN	STATION	OFFSET	X	Y	ELEV
401	148+49.22	5.50' RT	453264.79	134017.52	668.92
402	148+49.72	5.46' RT	453265.29	134017.58	668.42
403	148+55.72	5.50' RT	453271.29	134017.79	668.38
404	148+56.22	5.50' RT	453271.79	134017.81	668.87
405	148+56.22	3.50' LT	453271.42	134026.80	668.96
406	148+55.72	3.50' LT	453270.92	134026.78	668.47
407	148+49.72	3.50' LT	453264.92	134026.53	668.50
408	148+49.22	3.50' LT	453264.42	134026.51	669.00



PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAIL	SHEET 74	E



24thStNorthNE					
PN	STATION	OFFSET	X	Y	ELEV
001	150+02.56	38.32' LT	453416.19	134067.64	667.79
002	150+03.89	33.08' LT	453417.73	134062.46	667.25
003	150+07.72	28.08' LT	453421.77	134057.63	667.21
004	150+09.28	26.94' LT	453423.38	134056.55	667.33
005	150+14.08	25.00' LT	453428.25	134054.81	667.66
006	150+19.91	24.75' LT	453434.09	134054.80	667.61
007	150+26.04	24.87' LT	453440.20	134055.18	667.53
008	150+08.29	37.99' LT	453421.93	134067.55	667.73
009	150+07.72	33.08' LT	453421.56	134062.62	667.23
010	150+09.71	33.08' LT	453423.55	134062.70	667.37
011	150+14.22	33.08' LT	453428.05	134062.89	667.44
012	150+14.24	32.57' LT	453428.09	134062.38	667.44
013	150+14.72	32.58' LT	453428.57	134062.41	667.44
014	150+14.72	28.08' LT	453428.76	134057.91	667.37
015	150+19.95	28.08' LT	453433.98	134058.13	667.60
016	150+19.99	32.42' LT	453433.84	134062.47	667.66
017	150+26.01	32.61' LT	453439.86	134062.91	667.68
018	150+25.99	27.24' LT	453440.06	134057.54	667.48

24thStNorthNE					
PN	STATION	OFFSET	X	Y	ELEV
019	150+08.29	44.99' LT	453421.64	134074.55	668.02
020	150+13.73	44.77' LT	453427.08	134074.55	668.10
021	150+14.21	44.73' LT	453427.56	134074.53	668.10
022	150+14.70	33.09' LT	453428.54	134062.92	667.78
023	150+25.98	33.11' LT	453439.80	134063.41	667.68

2

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAIL	SHEET 75	E

24thStNorthNW					
PN	STATION	OFFSET	X	Y	ELEV
101	149+59.63	24.13' LT	453373.88	134051.70	668.03
102	149+62.73	27.08' LT	453376.85	134054.77	667.38
103	149+65.50	33.08' LT	453379.38	134060.87	667.34
104	149+65.80	37.71' LT	453379.48	134065.51	667.81
105	149+62.73	33.08' LT	453376.61	134060.76	667.37
106	149+60.21	33.08' LT	453374.09	134060.66	667.52
107	149+60.21	27.08' LT	453374.33	134054.66	667.54
108	149+54.71	33.08' LT	453368.59	134060.43	667.60
109	149+54.72	32.57' LT	453368.63	134059.92	667.59
110	149+54.21	32.58' LT	453368.11	134059.91	667.59
111	149+54.21	27.08' LT	453368.34	134054.41	667.56
112	149+47.65	27.26' LT	453361.78	134054.32	667.96
113	149+41.56	27.15' LT	453355.70	134053.96	668.32
114	149+41.66	32.58' LT	453355.57	134059.39	668.33
115	149+41.66	33.07' LT	453355.55	134059.88	668.33
116	149+54.21	33.08' LT	453368.09	134060.41	668.33
117	149+54.71	39.15' LT	453368.34	134066.49	667.95
118	149+54.71	45.18' LT	453368.09	134072.52	668.25
119	149+54.26	45.16' LT	453367.65	134072.48	668.25
120	149+59.96	45.10' LT	453373.34	134072.66	668.08
121	149+60.03	39.07' LT	453373.66	134066.63	667.88

LEGEND

- X — CURB RAMP TYPE
- SW5 — CONCRETE SIDEWALK 5-INCH
- DW7 — CONCRETE DRIVEWAY 7-INCH
- PED — CONCRETE CURB PEDESTRIAN
- XX — POINT NUMBER
- GRADED FLARES
- SLOPE INTERCEPT
- EXISTING ROW

N

TLE

118 668.25
119 668.25
120 668.08
117 667.95
108 667.60
116 668.33
121 667.88
104 667.81
106 667.52
115 668.33
114 668.33
109 667.59
110 667.59
105 667.37
103 667.34
113 668.32
112 667.96
111 667.56
102 667.38
107 667.54
101 668.03

PED
SW5
2
5.3'
3.2%
4.9%
3.3%
1.4%
6.0'
6.1'
5.8%
6.0%
2.5'
2.8'
10.1%
5.7%
6.1%
1.5%
1.0%
5.4'
0.2%
0.8%
0.5%
0.3%
6.0%
6.1'
6.6'
6.0'
5.1'
FOS

N 24TH ST

SIGN

W

STH 16 (LACROSSE ST)

149+00

SAN

N 24TH ST

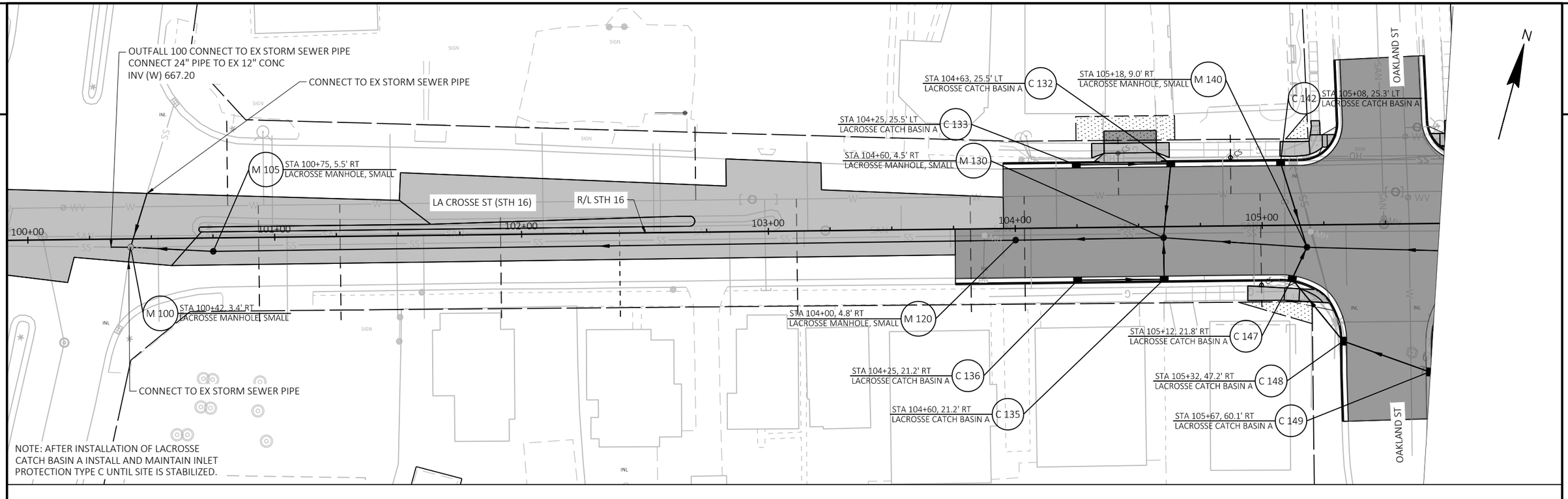
STH 16
(LA CROSSE ST)

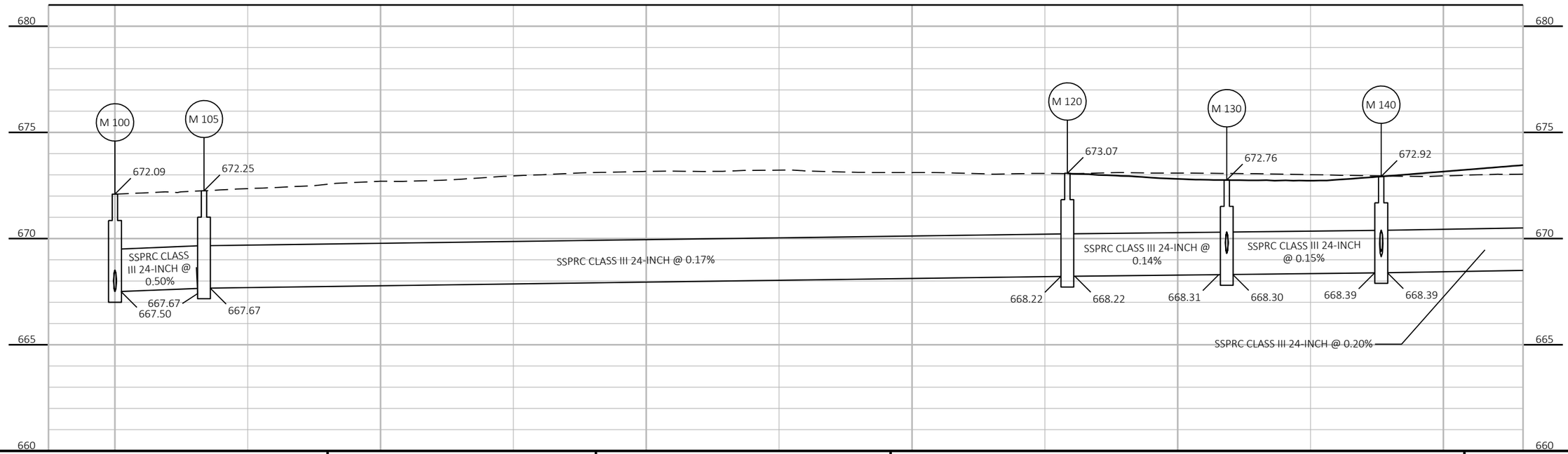
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAIL	SHEET 76	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\7575073\SHEETSPLAN\023111-CR.DWG
LAYOUT NAME - 04-N24thStNW

PLOT DATE : 10/11/2021 2:09 PM PLOT BY : WEIGAND, BEN PLOT NAME : PLOT SCALE : 1 IN:10 FT

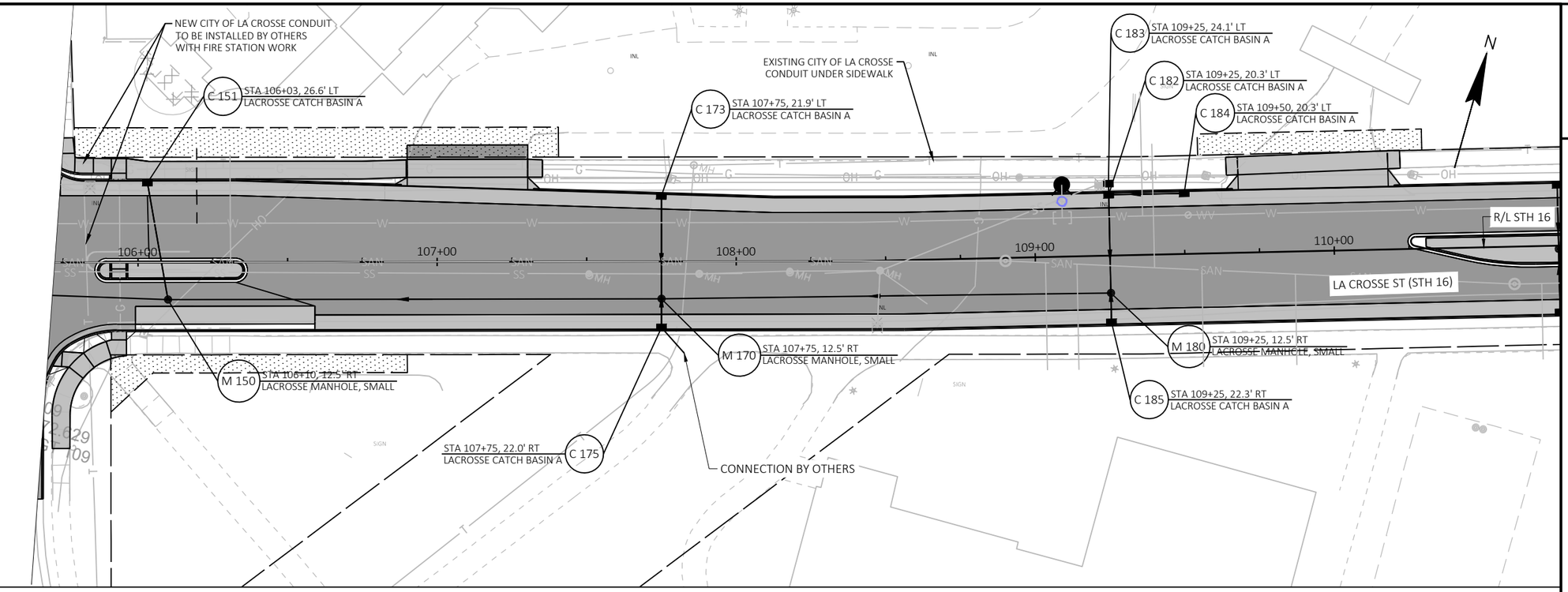
WISDOT/CADDS SHEET 42



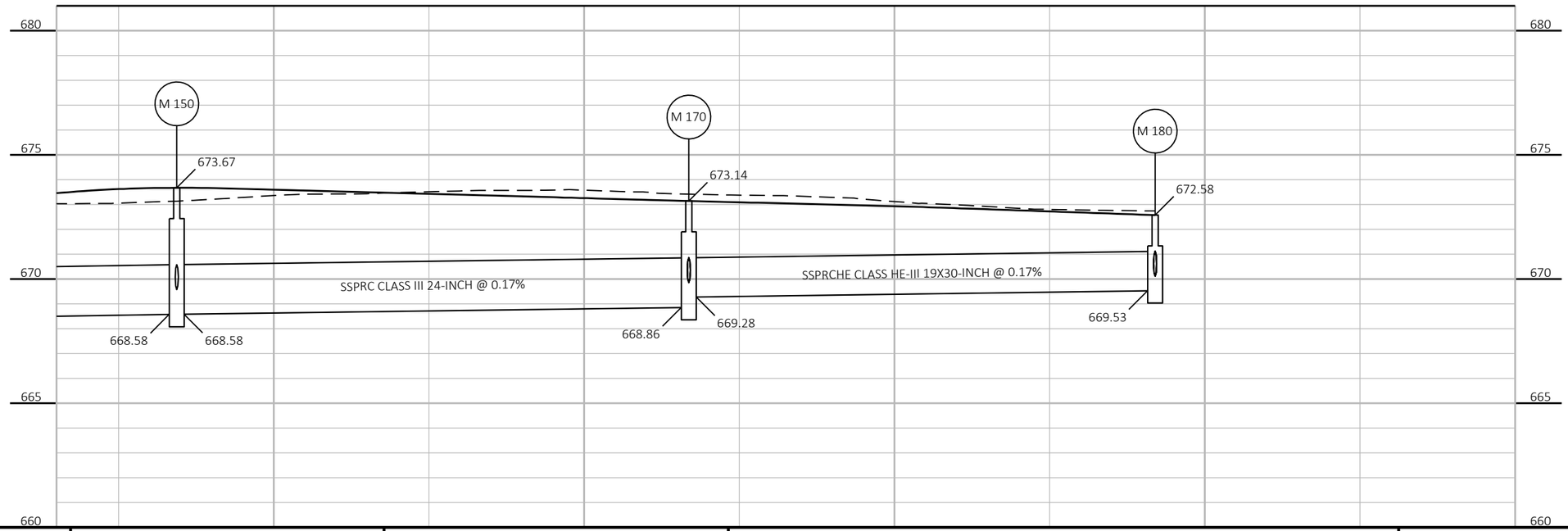


PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	STORM SEWER	SHEET 77	E

2

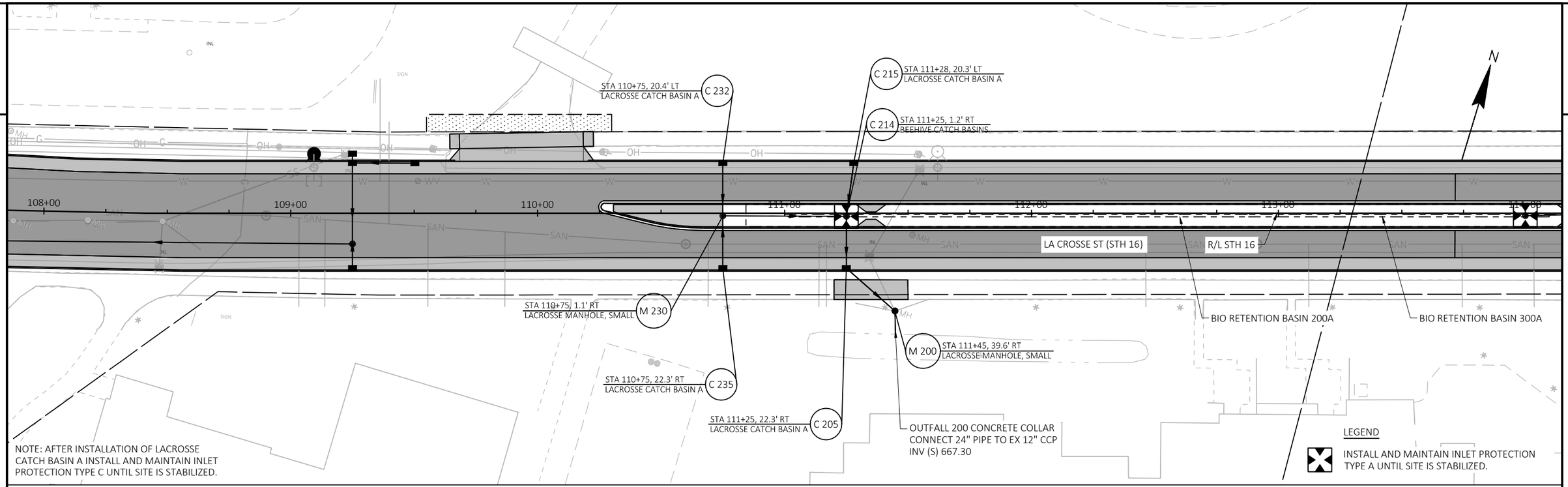


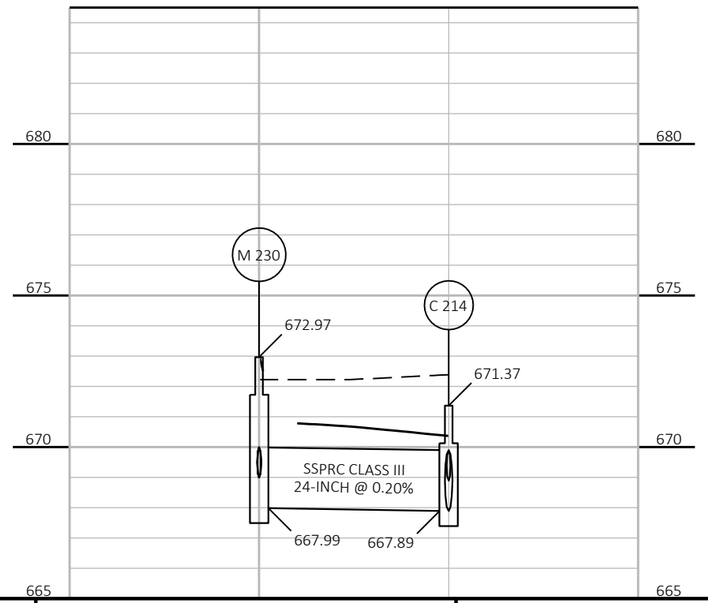
NOTE: AFTER INSTALLATION OF LACROSSE CATCH BASIN A INSTALL AND MAINTAIN INLET PROTECTION TYPE C UNTIL SITE IS STABILIZED.



PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	STORM SEWER	SHEET 78	E

2

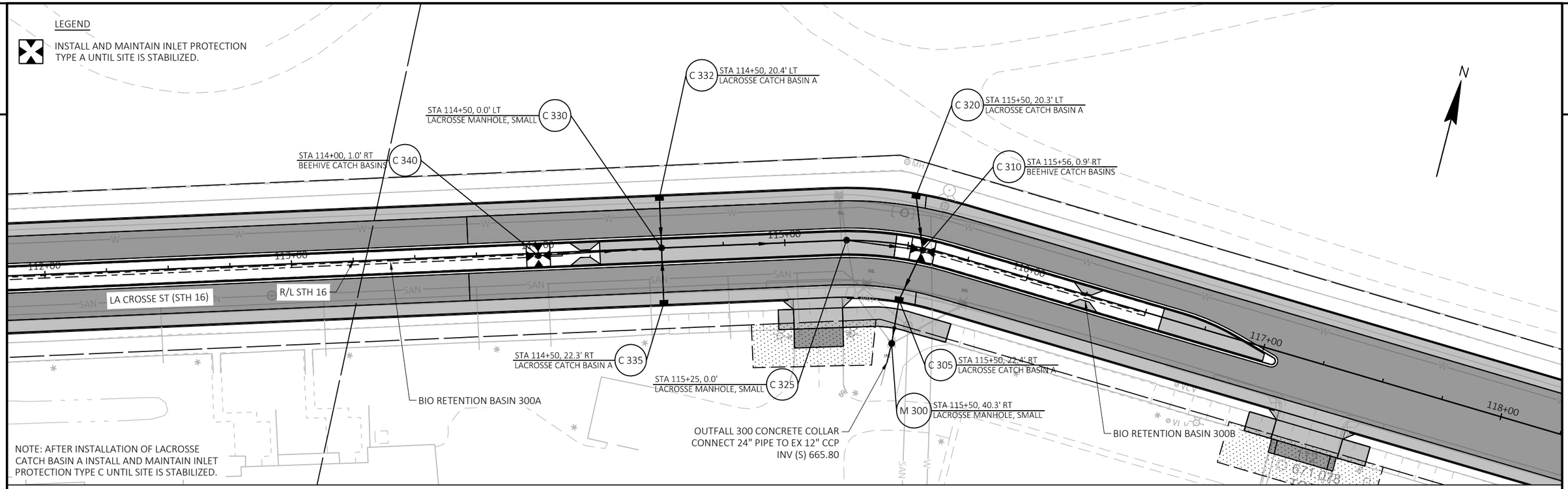


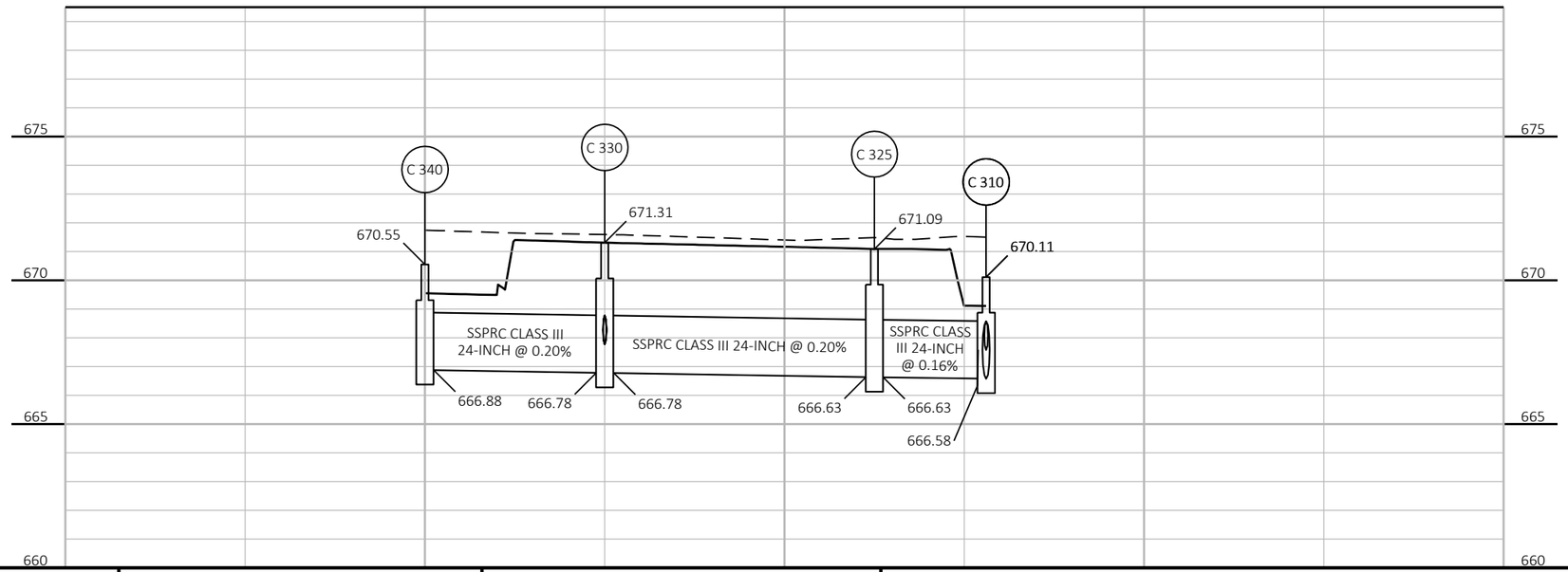


PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	STORM SEWER	SHEET 79	E

LEGEND

INSTALL AND MAINTAIN INLET PROTECTION TYPE A UNTIL SITE IS STABILIZED.



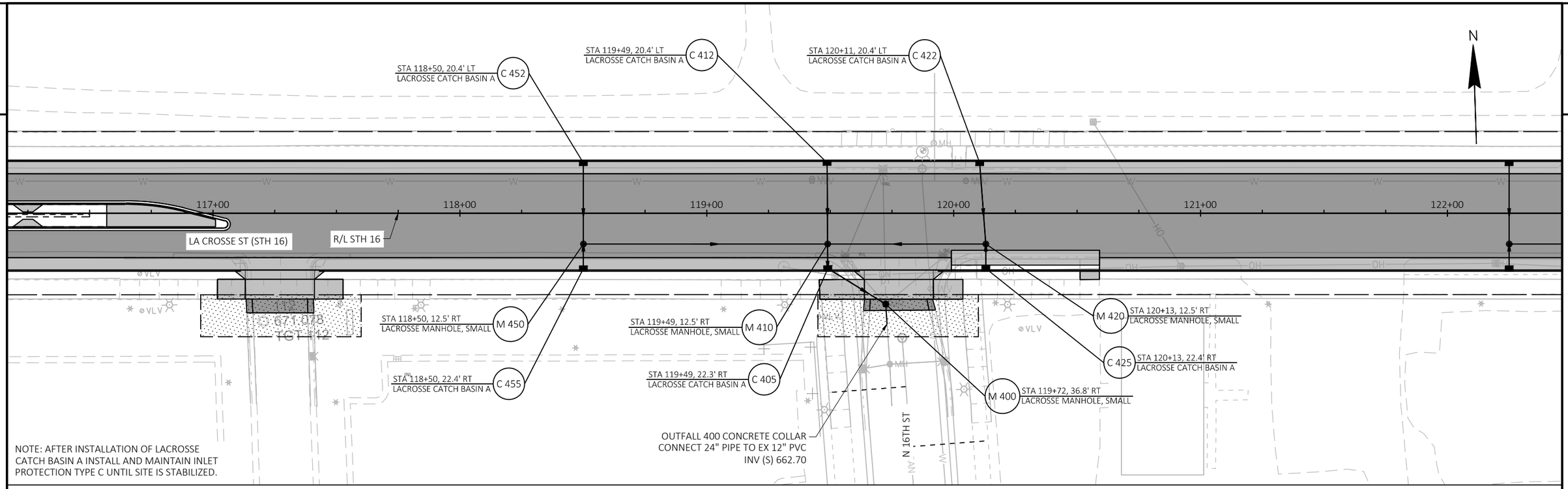


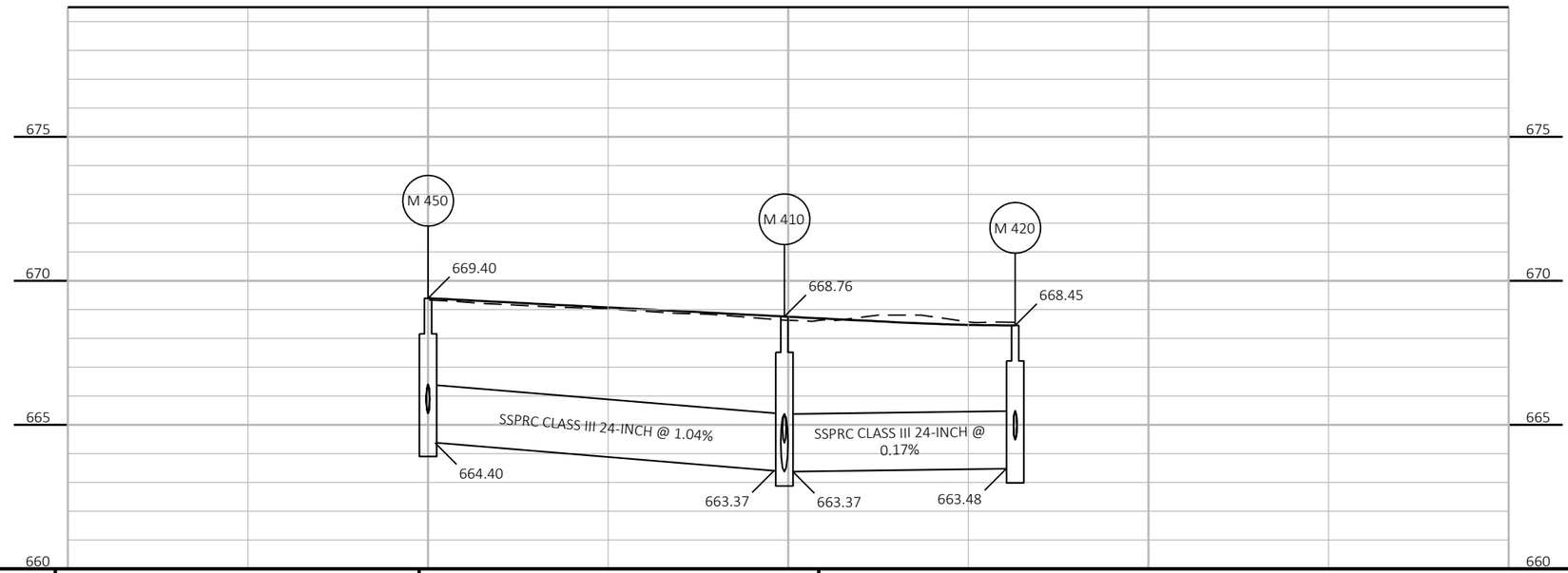
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	STORM SEWER	SHEET 80	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\7575073\SHEETSPLAN\022501_SS.DWG
LAYOUT NAME - 022504

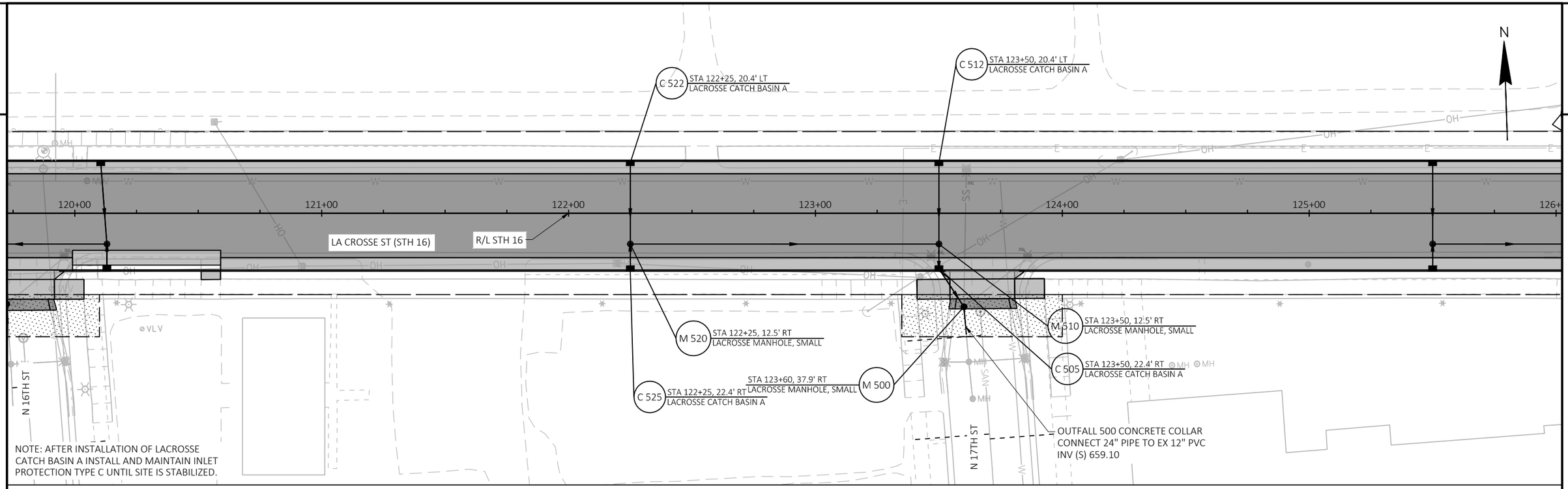
PLOT DATE : 10/20/2021 4:21 PM PLOT BY : MINSKY, MICHAEL PLOT NAME : PLOT SCALE : 1 IN:40 FT

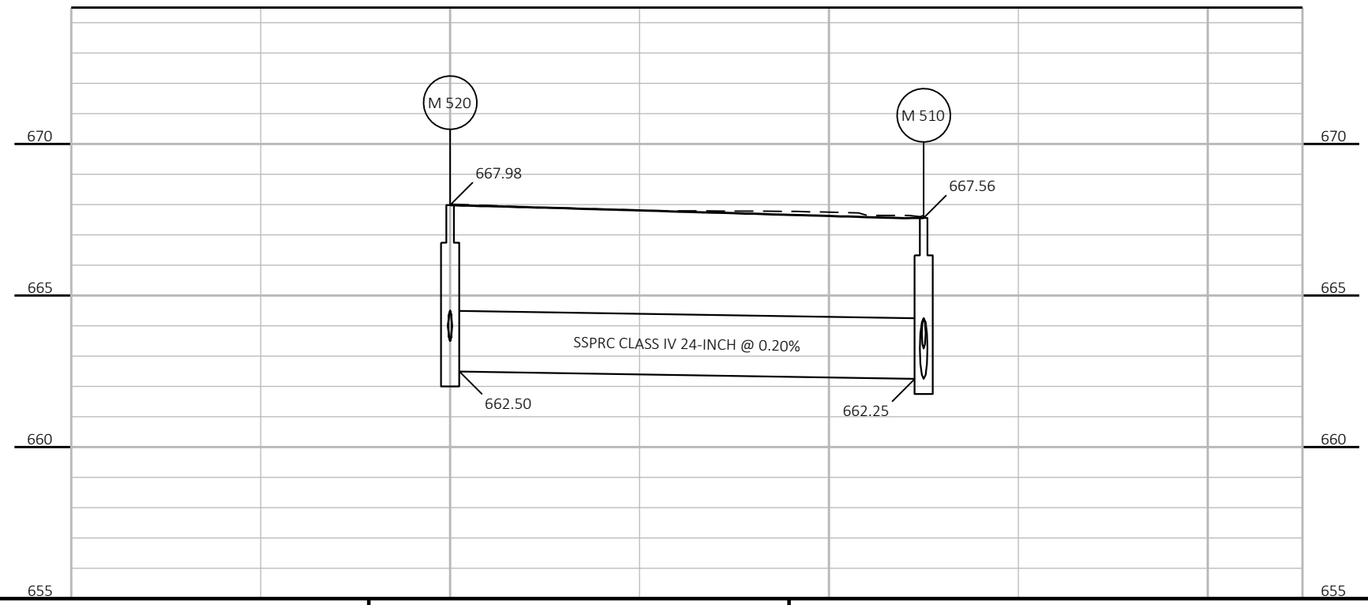
2





PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	STORM SEWER	SHEET 81	E





PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	STORM SEWER	SHEET 82	E

2

STA 126+05, 20.4' LT
LACROSSE CATCH BASIN A
C 723

STA 126+70, 38.9' LT
LACROSSE CATCH BASIN A
C 724

STA 126+05, 12.5' RT
LACROSSE MANHOLE, SMALL
M 725

STA 126+95, 12.6' RT
LACROSSE MANHOLE, SMALL
M 720

STA 125+50, 20.4' LT
LACROSSE CATCH BASIN A
C 792

C 726
STA 126+22, 20.4' LT
LACROSSE CATCH BASIN A

N EAST AVE

SEE NOTE 2

C 733
STA 127+02, 40.5' LT
LACROSSE CATCH BASIN A

C 732
STA 127+40, 20.4' LT
LACROSSE CATCH BASIN A

C 742
STA 130+00, 20.3' LT
LACROSSE CATCH BASIN A

N

LA CROSSE ST (STH 16)

R/L STH 16

126+00

127+00

128+00

129+00

130+00

C 795
STA 125+50, 22.4' RT
LACROSSE CATCH BASIN A

M 790
STA 125+50, 12.5' RT
LACROSSE MANHOLE, SMALL

STA 126+05, 22.4' RT
LACROSSE CATCH BASIN A
C 711

STA 126+22, 22.3' RT
LACROSSE CATCH BASIN A
C 712

STA 126+65, 12.6' RT
LACROSSE MANHOLE, SMALL
M 721

OUTFALL 700 CONCRETE COLLAR
CONNECT 24" PIPE TO EX 12" CLAY
INV (S) 660.80

M 730
STA 127+41, 11.8' RT
LACROSSE MANHOLE, SMALL

C 735A
STA 127+99, 22.3' RT
LACROSSE CATCH BASIN A

C 735
STA 127+41, 22.3' RT
LACROSSE CATCH BASIN A

M 740
STA 130+00, 12.5' RT
LACROSSE MANHOLE, SMALL

C 745
STA 130+00, 22.4' RT
LACROSSE CATCH BASIN A

C 736
STA 127+21, 49.8' RT
LACROSSE CATCH BASIN A

C 737
STA 127+23, 64.5' RT
LACROSSE CATCH BASIN A

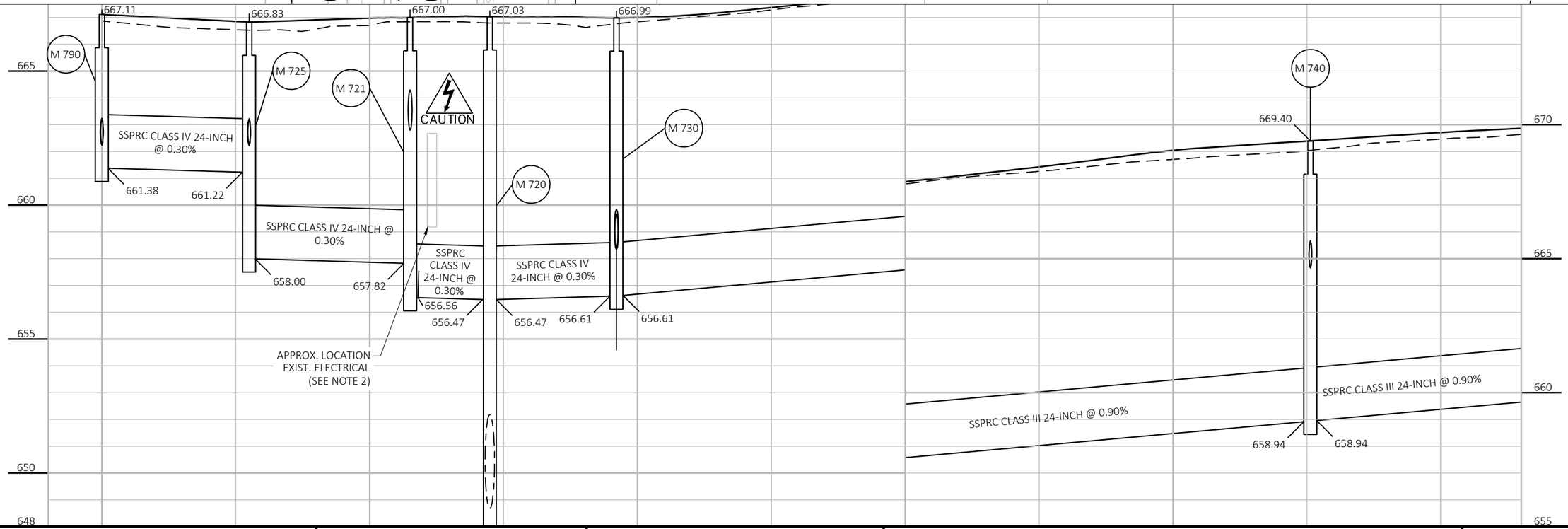
N EAST AVE

SEE NOTE 2

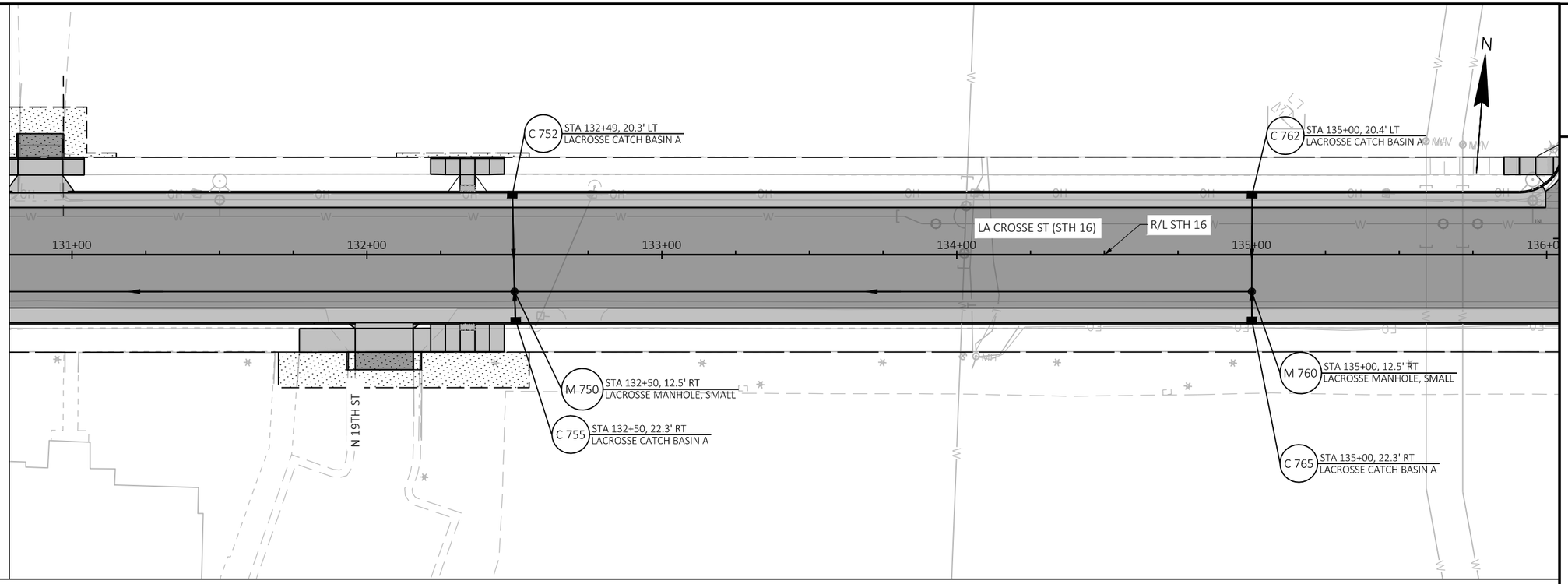
C 715
STA 126+69, 53.4' RT
LACROSSE CATCH BASIN A

C 716
STA 126+70, 68.4' RT
LACROSSE CATCH BASIN A

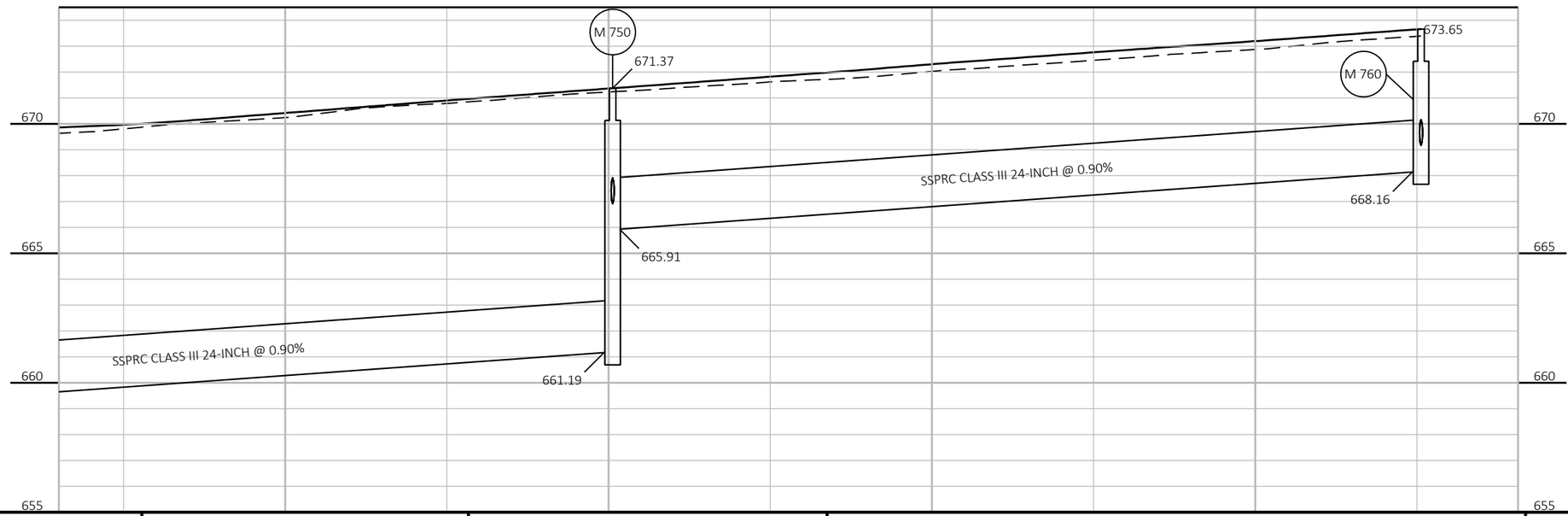
NOTE:
1. AFTER INSTALLATION OF LACROSSE CATCH BASIN A INSTALL AND MAINTAIN INLET PROTECTION TYPE C UNTIL SITE IS STABILIZED.
2. DUCT PACKAGE TO REMAIN. CONTRACTOR TO EXPOSE DUCT PACKAGE AND VERIFY DEPTH PRIOR TO ORDERING INLETS AND MANHOLES.



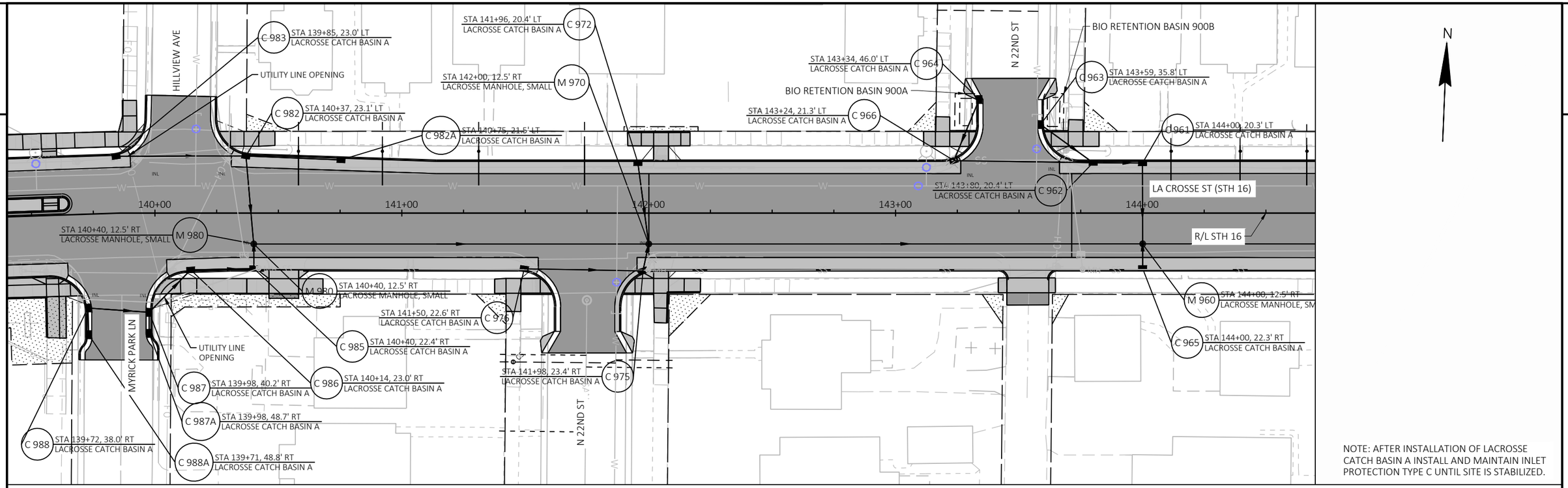
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	STORM SEWER	SHEET 83	E

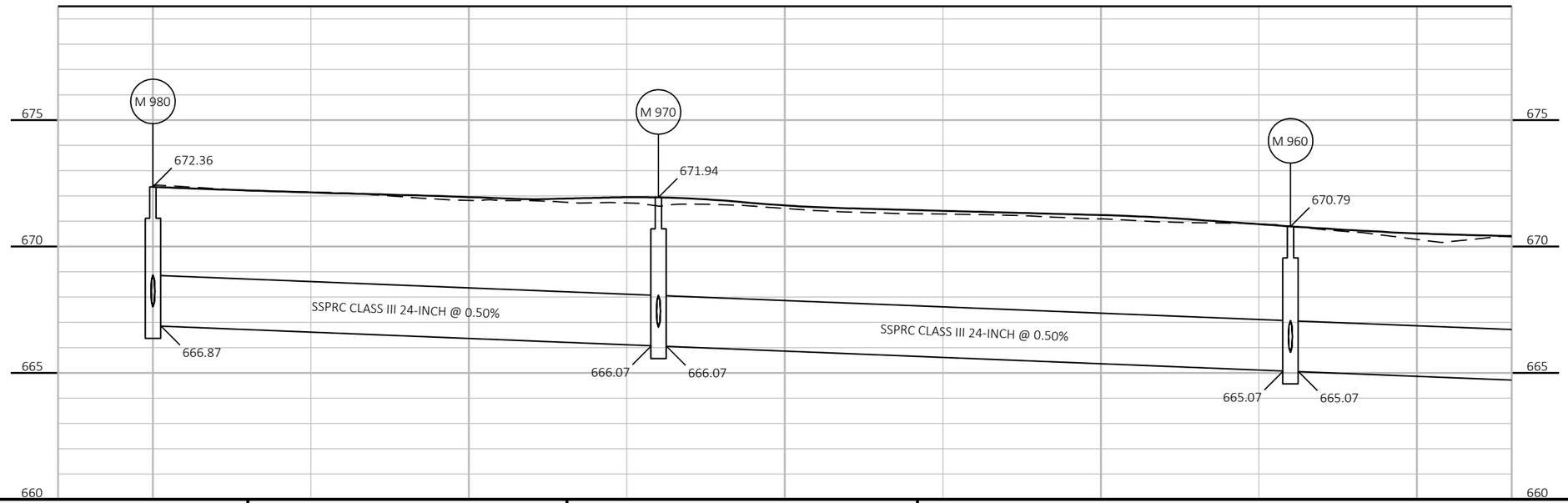


NOTE: AFTER INSTALLATION OF LACROSSE CATCH BASIN A INSTALL AND MAINTAIN INLET PROTECTION TYPE C UNTIL SITE IS STABILIZED.



PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	STORM SEWER	SHEET 84	E



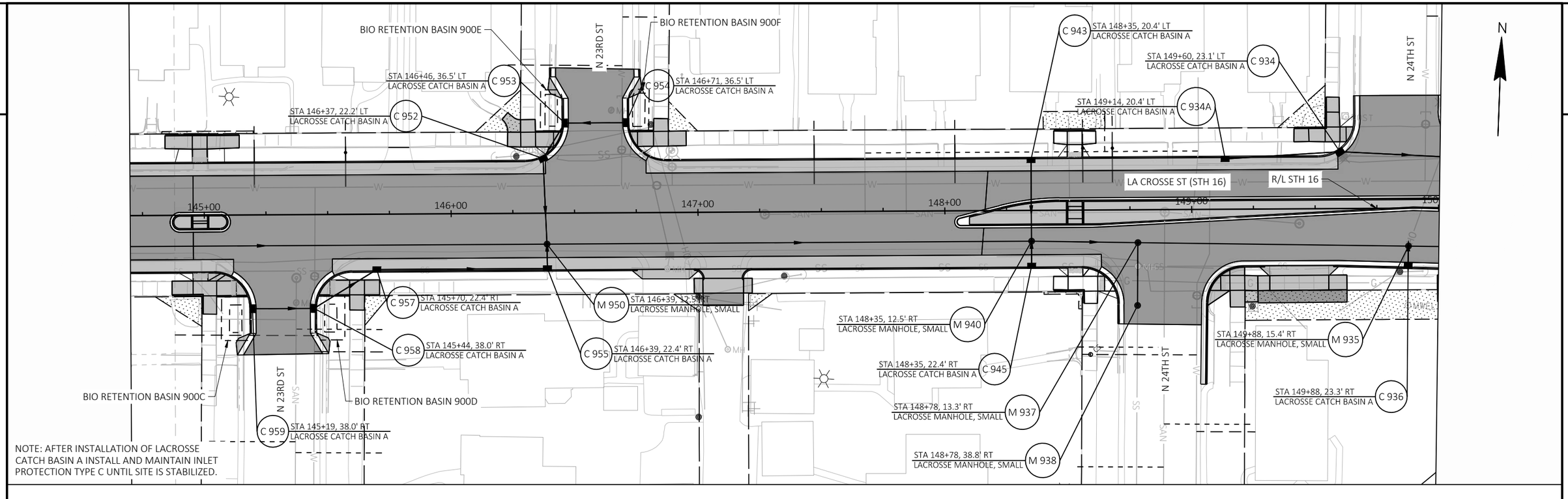


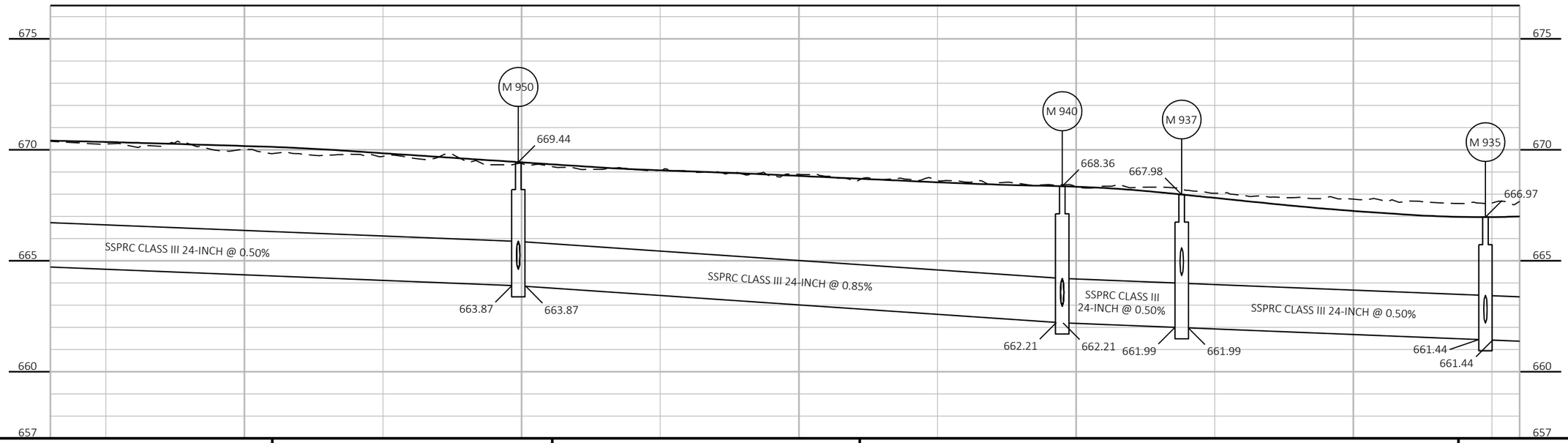
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	STORM SEWER	SHEET 85	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\7575773\SHEETSPLAN\022501_SS.DWG
LAYOUT NAME - 022509

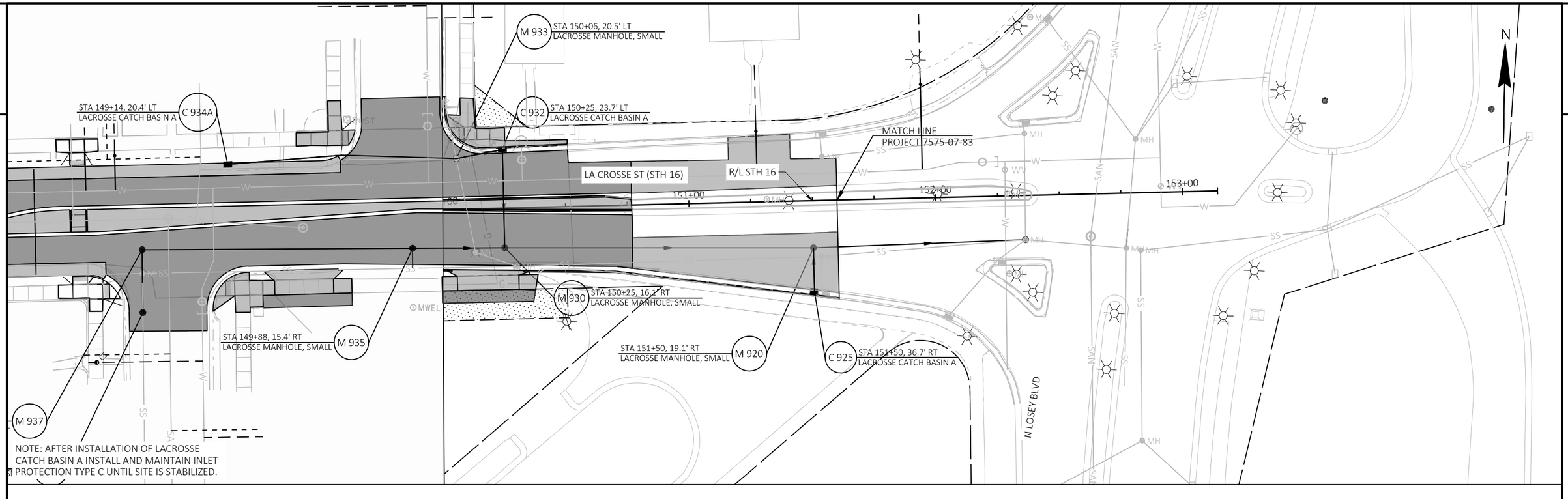
PLOT DATE : 10/26/2021 7:42 AM PLOT BY : WEIGAND, BEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

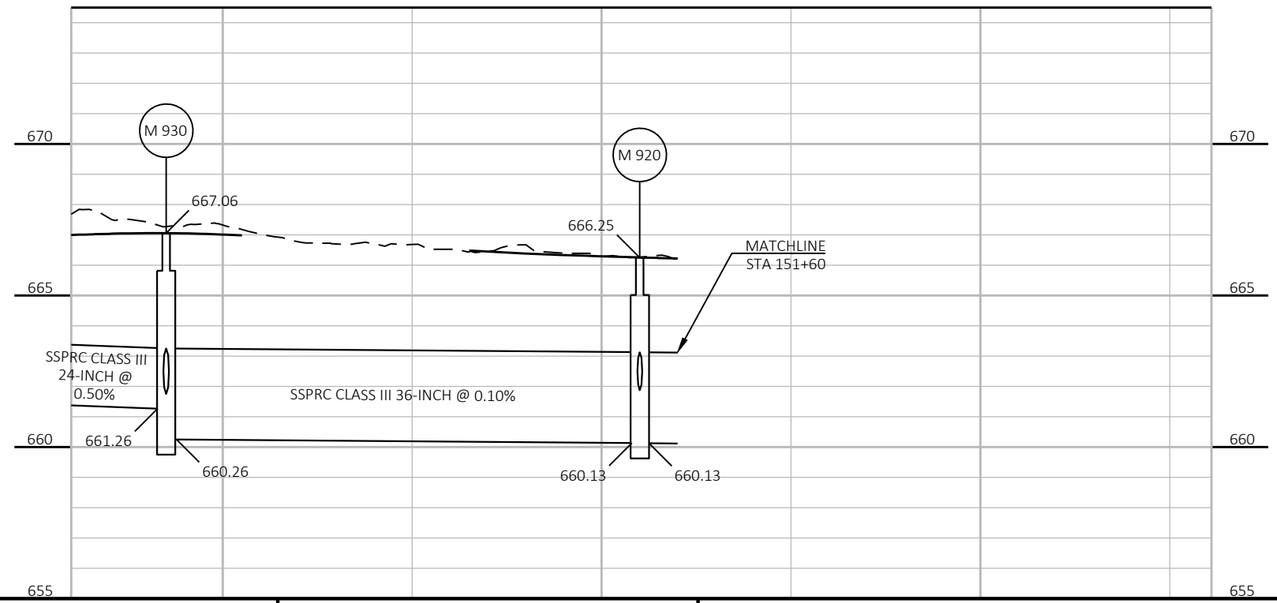




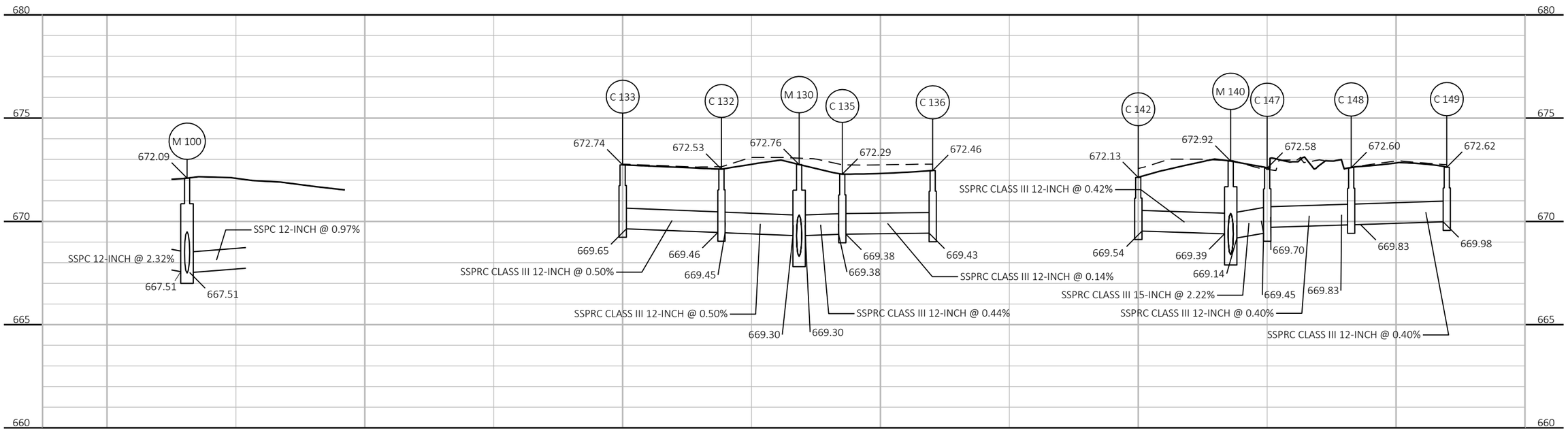
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	STORM SEWER	SHEET 86	E

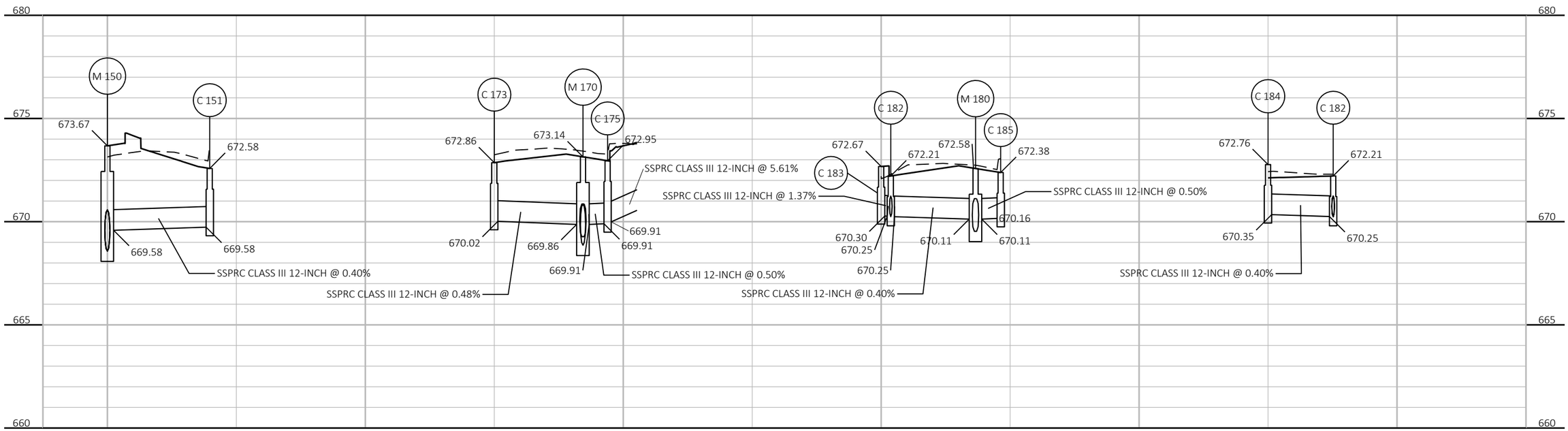


2

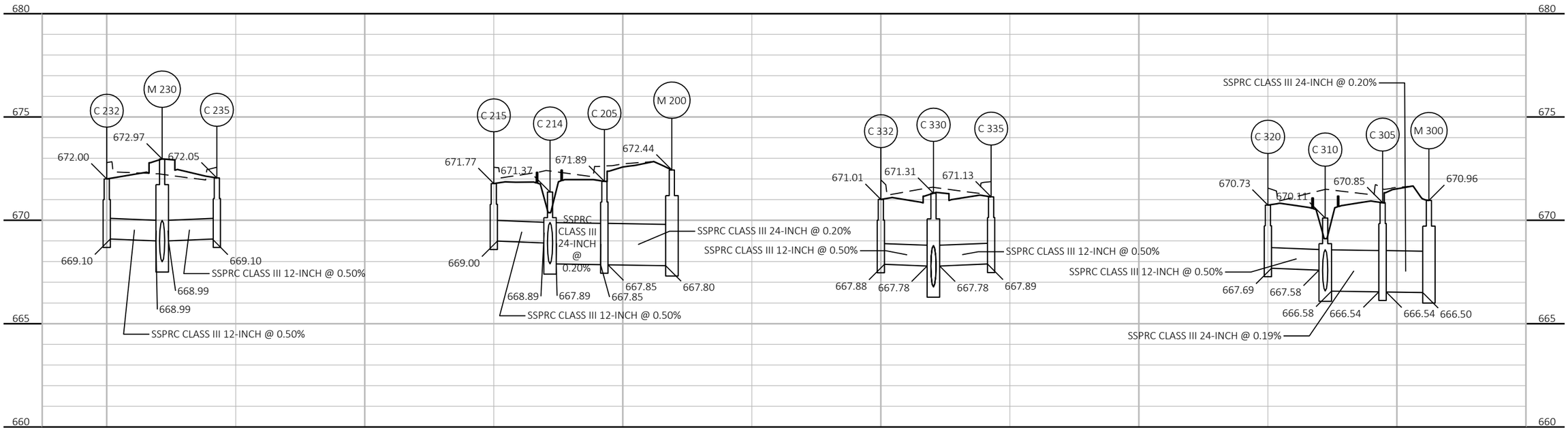


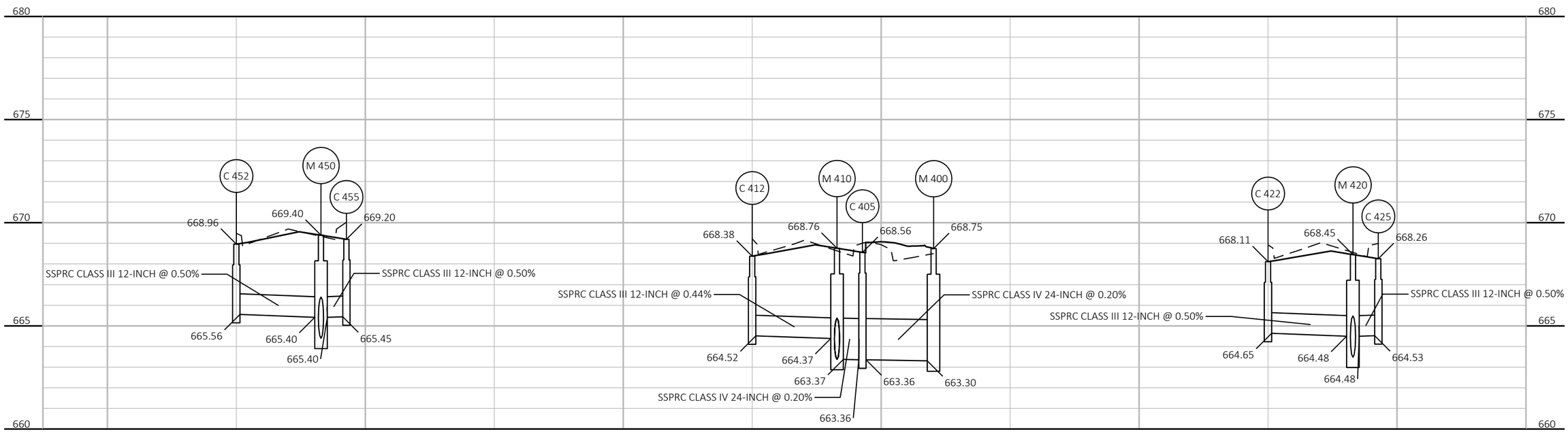
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	STORM SEWER	SHEET 87	E



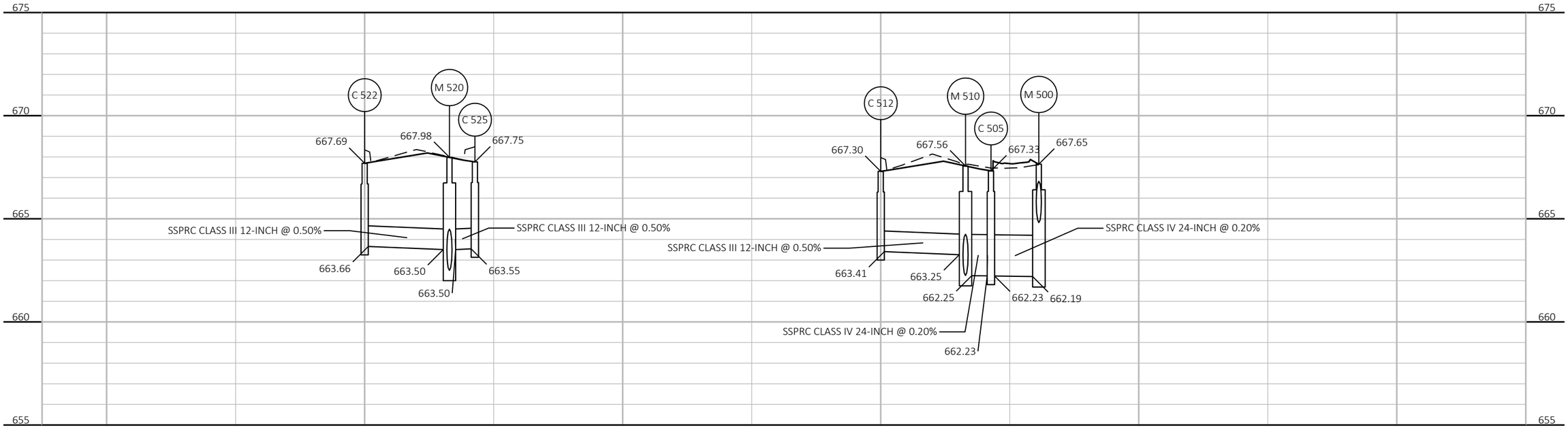


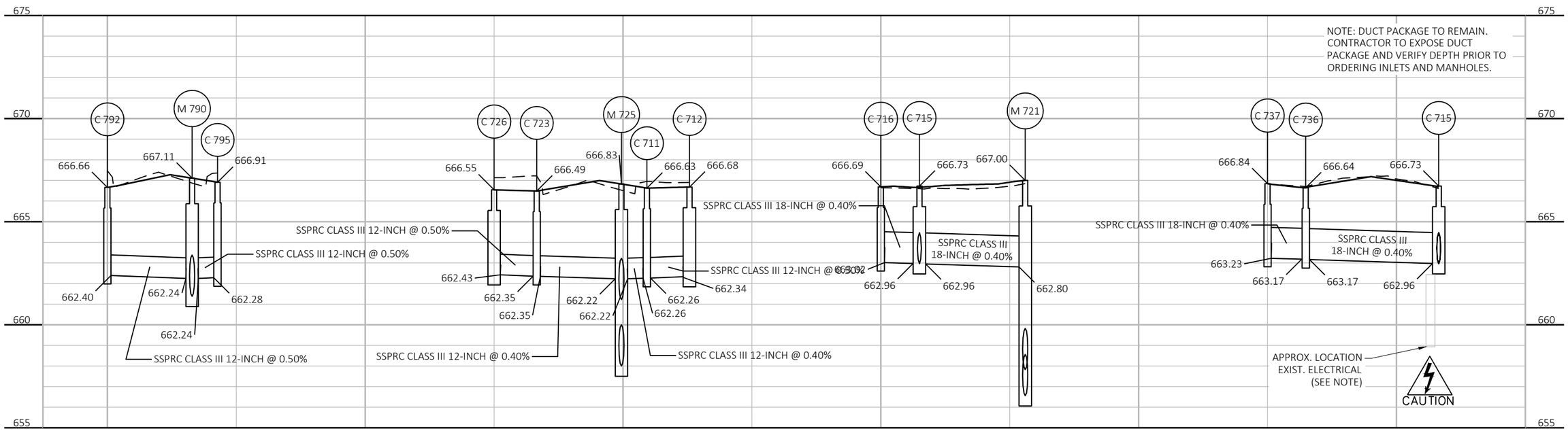
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	STORM SEWER	SHEET 88	E



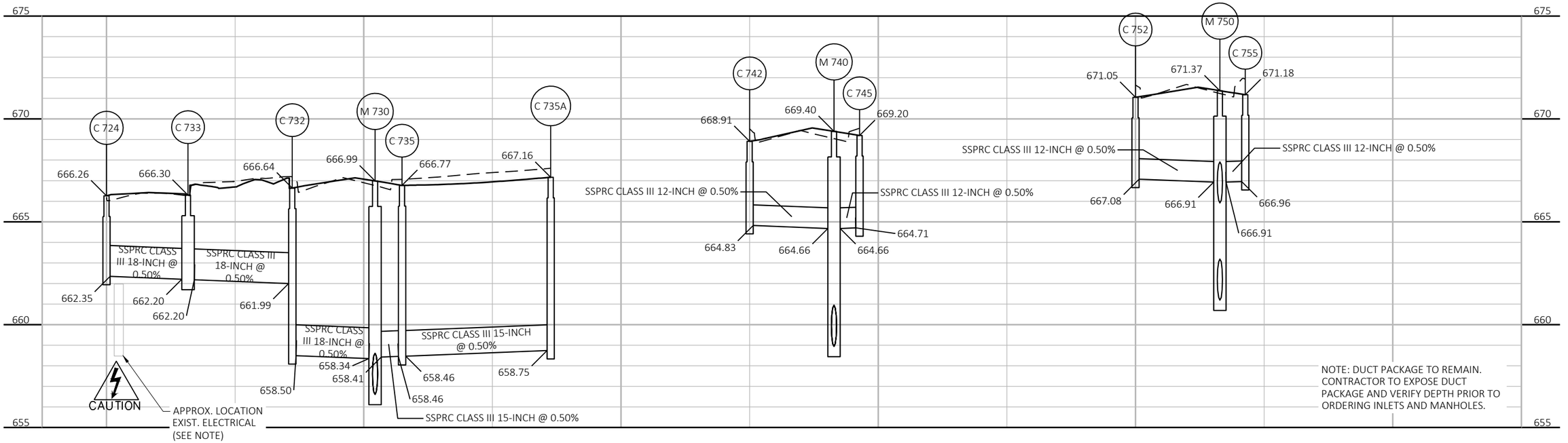


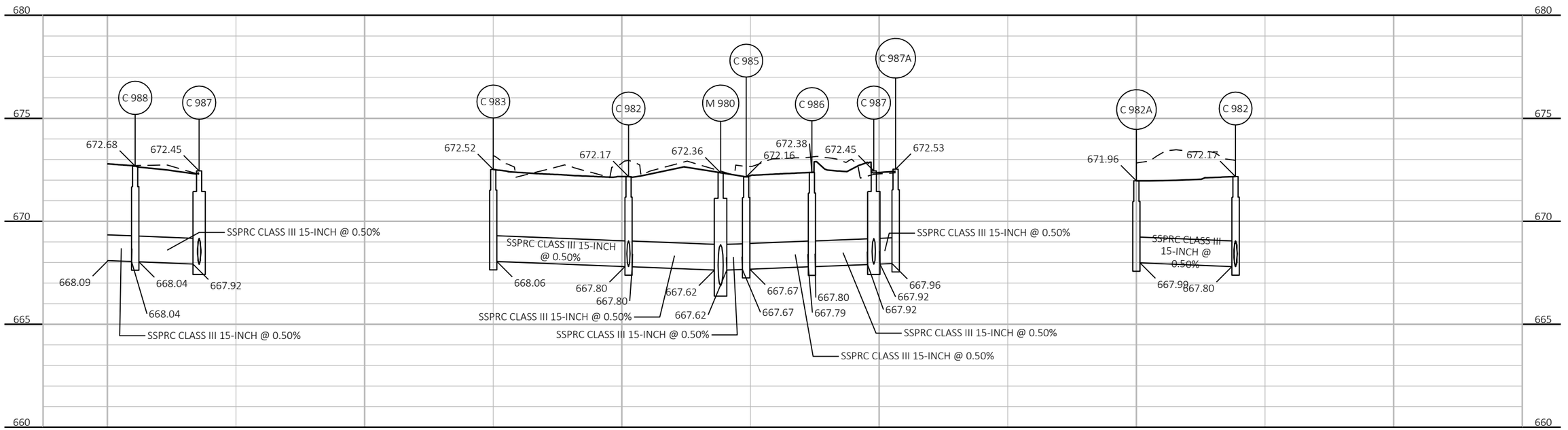
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	STORM SEWER	SHEET 89	E



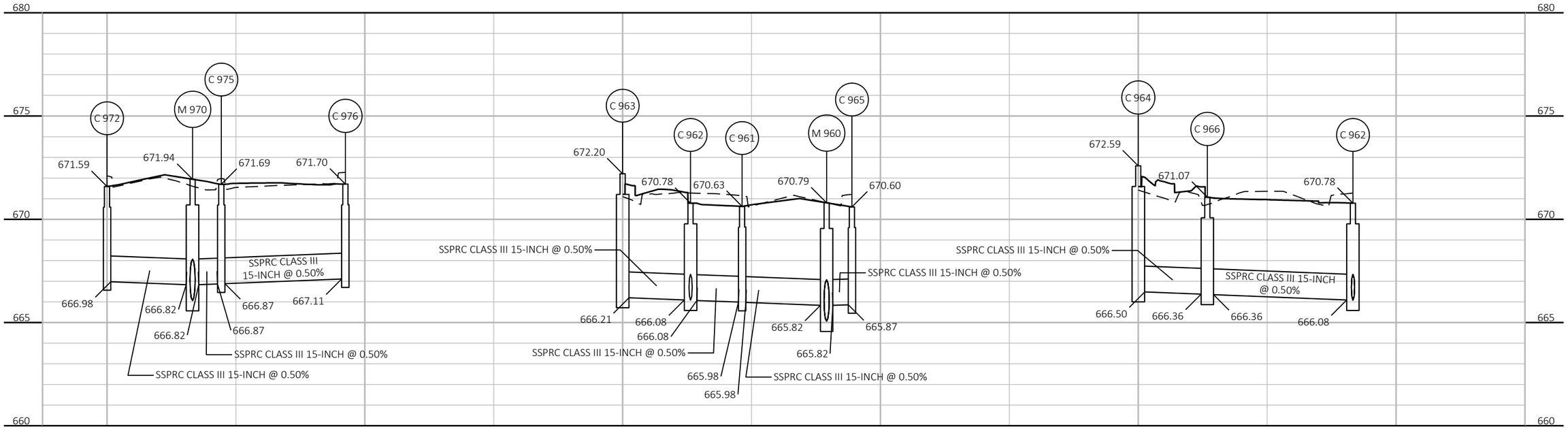


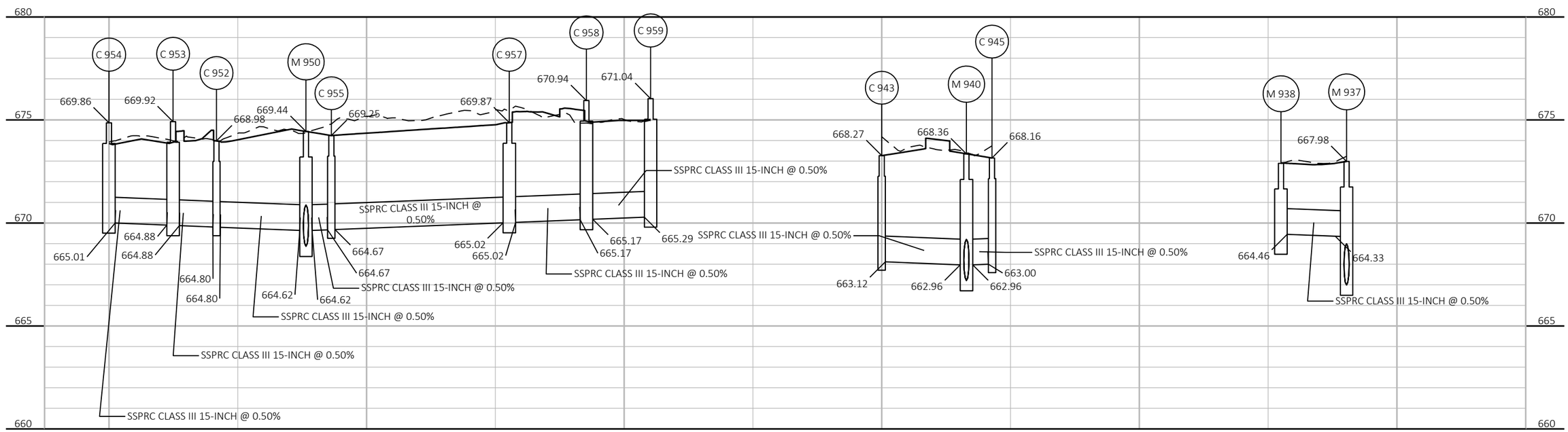
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	STORM SEWER	SHEET 90	E



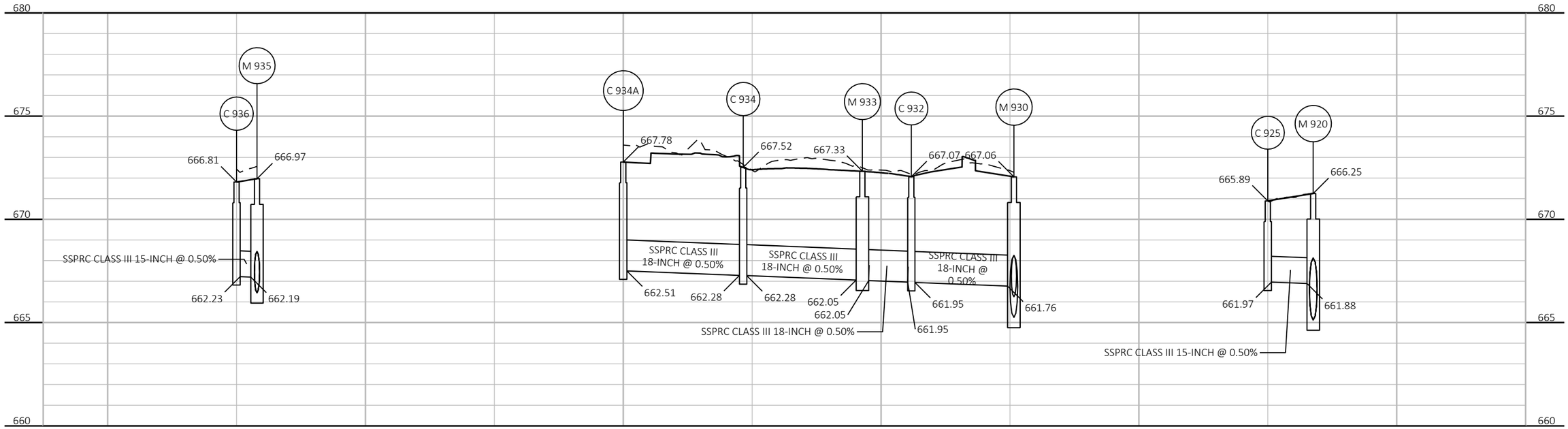


PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	STORM SEWER	SHEET 91	E





PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	STORM SEWER	SHEET 92	E



2

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	STORM SEWER	SHEET 93	E

2

WEST AVE (STH 35)

SIGN

INL

R/L STH 16

MARKERS PERMANENT FLEXIBLE (YELLOW)

EXISTING R/W

ONLY ONLY ONLY

TO REMAIN

105+00.00

2

LA CROSSE ST (STH 16)

100+00

101+00

102+00

103+00

104+00

105

BEGIN CONSTRUCTION
STA 97+97.00

BEGIN PROJECT
STA 103+95.12

EXISTING R/W

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- *STREET SIGNS TO BE RELOCATED BY OTHERS

OAKLAND ST

STOP
R1-1
30"X30"
104

W11-2
30"X30"
W16-7L
24"X12"
107

W11-2
30"X30"
W16-7R
24"X12"
108

R4-7
24"X30"

* HISTORIC DOWNTOWN
112

JCT
REMOVE

35
REMOVE
114

* HISTORIC DOWNTOWN
115

JCT
35
J4-1
24"X36"
117

W11-2
30"X30"
AHEAD
W16-9P
24"X12"
118

BIKE LANE
R7-9A
18"X24"
119

EXISTING R/W

110+75.00

DEAD END
REMOVE
105

106+00

107+00

108+00

109+00

110+00

LA CROSSE ST (STH 16)

12'

DEAD END
W14-1
30"X30"
106

STOP
R1-1
30"X30"
103

W11-2
30"X30"
W16-7L
24"X12"
109

W11-2
30"X30"
W16-7R
24"X12"
110

R4-7
24"X30"
111

BIKE LANE
R7-9A
18"X24"
113

BUS STOP
116

R/L STH 16

EXISTING R/W

BIKE LANE
R3-17
30"X24"
120

R4-7
24"X30"
121

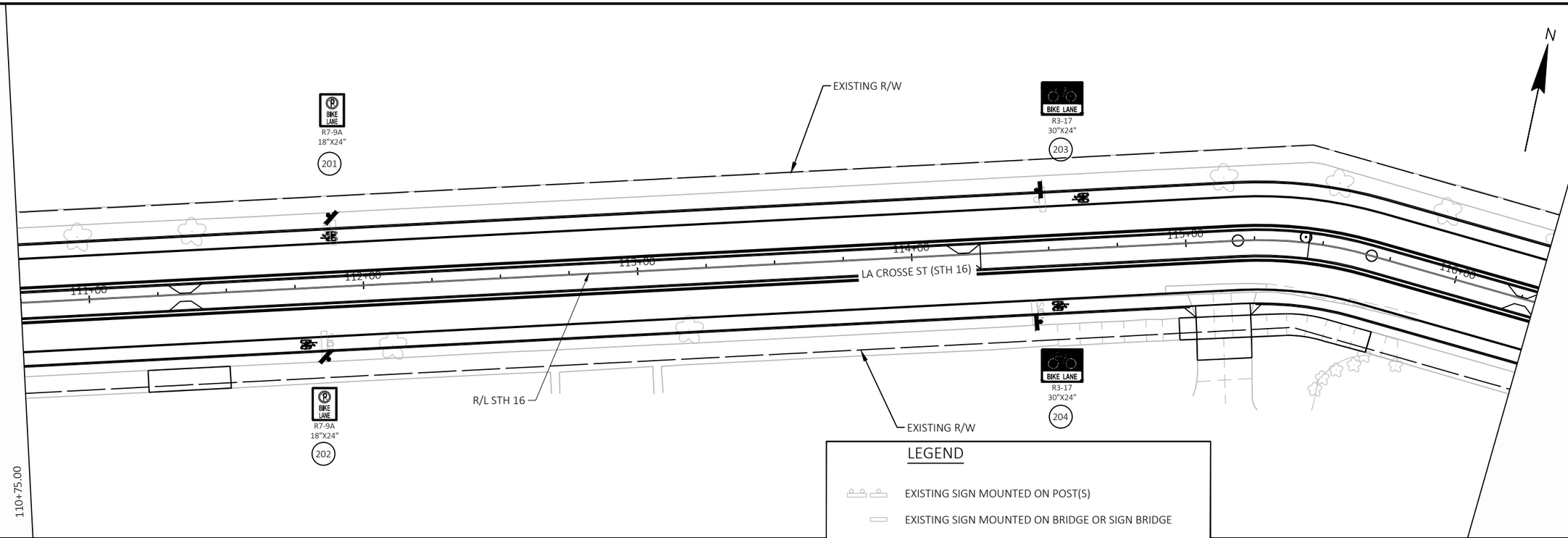
105+00.00

OAKLAND ST

PROJECT NO: 7575-07-73	HWY: STH STH 16	COUNTY: LA CROSSE	PERMANENT SIGNING	SHEET 94	E

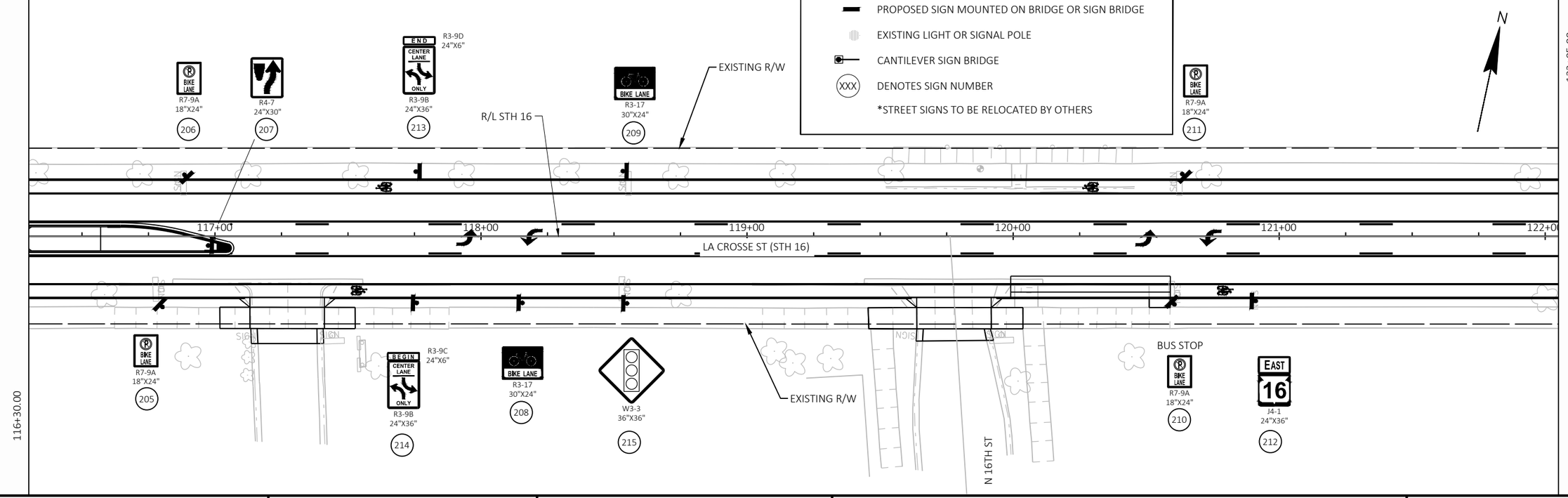
FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 023201_ps

PLOT DATE : 10/19/2021 9:46 AM PLOT BY : WEIGAND, BEN PLOT NAME : PLOT SCALE : 1 IN:40 FT



LEGEND

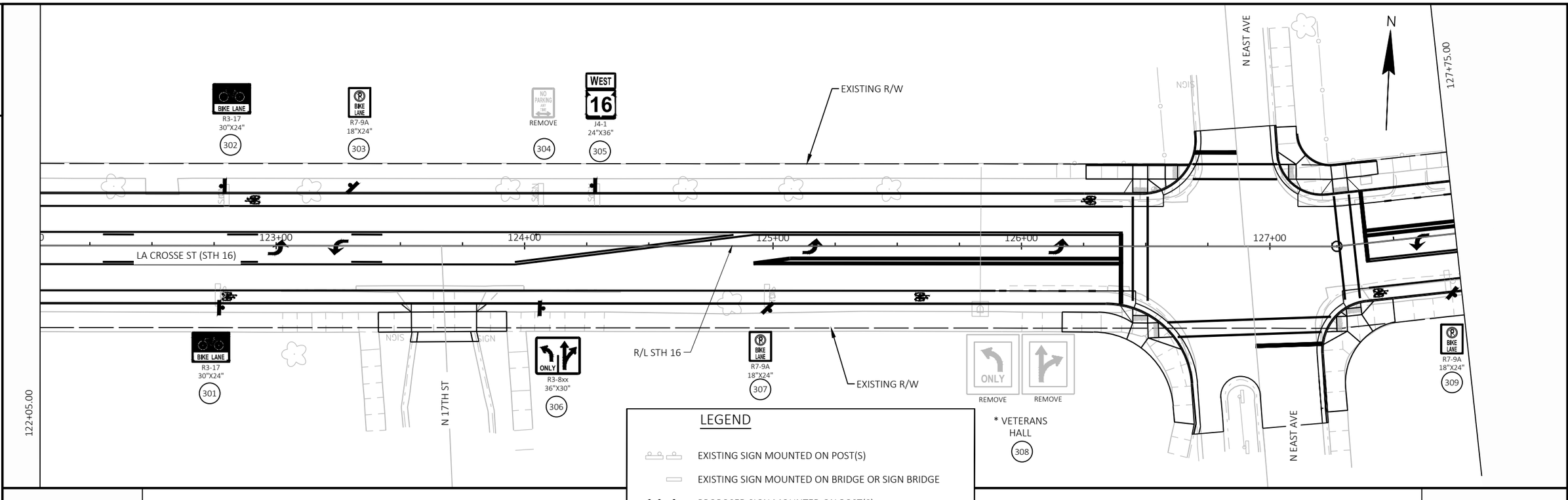
- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- *STREET SIGNS TO BE RELOCATED BY OTHERS



PROJECT NO: 7575-07-73	HWY: STH STH 16	COUNTY: LA CROSSE	PERMANENT SIGNING	SHEET 95	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 023202_ps

PLOT DATE : 10/19/2021 9:46 AM PLOT BY : WEIGAND, BEN PLOT NAME : PLOT SCALE : 1 IN:40 FT



PROJECT NO: 7575-07-73	HWY: STH STH 16	COUNTY: LA CROSSE	PERMANENT SIGNING	SHEET 96	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 023203_ps
PLOT DATE : 10/19/2021 9:46 AM PLOT BY : WEIGAND, BEN PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

N

EXISTING R/W

MYRICK PARK DR

R7-9A
18"X24"
401

R3-17
30"X24"
403

REMOVE
405

WEST
16
J4-1
24"X36"
406

R7-9A
18"X24"
408

133+00 134+00 135+00 136+00 137+00 138+00

LA CROSSE ST (STH 16)

132+90.00

R3-17
30"X24"
402

EXISTING R/W

SPEED LIMIT
25

YOUR SPEED
00
404

INSTALL CONCRETE BASE SPECIAL SPEED INDICATOR, POST AND SIGNING REMOVE AND RELOCATE BY OTHERS

W11-2
30"X30"
AHEAD
W16-9P
24"X12"
407

R/L STH 16

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- *STREET SIGNS TO BE RELOCATED BY OTHERS

W11-2
30"X30"
W16-7L
24"X12"
414

W11-2
30"X30"
W16-7R
24"X12"
412

STOP
R1-1
30"X30"
415

HILLVIEW AVE

413

W11-2
30"X30"
W16-7R
24"X12"
R4-7
24"X30"

BIKE LANE
R3-17
30"X24"
418

EXISTING R/W

W11-2
30"X30"
AHEAD
W16-9P
24"X12"
419

REMOVE
REMOVE
421

BIKE LANE
R7-9A
18"X24"
423

N

STOP
R1-1
30"X30"
424

N 22ND ST

144+00.00

139+00 140+00 141+00 142+00 143+00 144

LA CROSSE ST (STH 16)

R4-7
24"X30"
409

W11-2
30"X30"
W16-7L
24"X12"
411

MYRICK PARK LN

STOP
R1-1
30"X30"
416

EAST
16
J4-1
24"X36"
410

BIKE LANE
R3-17
30"X24"
417

EXISTING R/W

STOP
R1-1
30"X30"
420

BIKE LANE
R7-9A
18"X24"
422

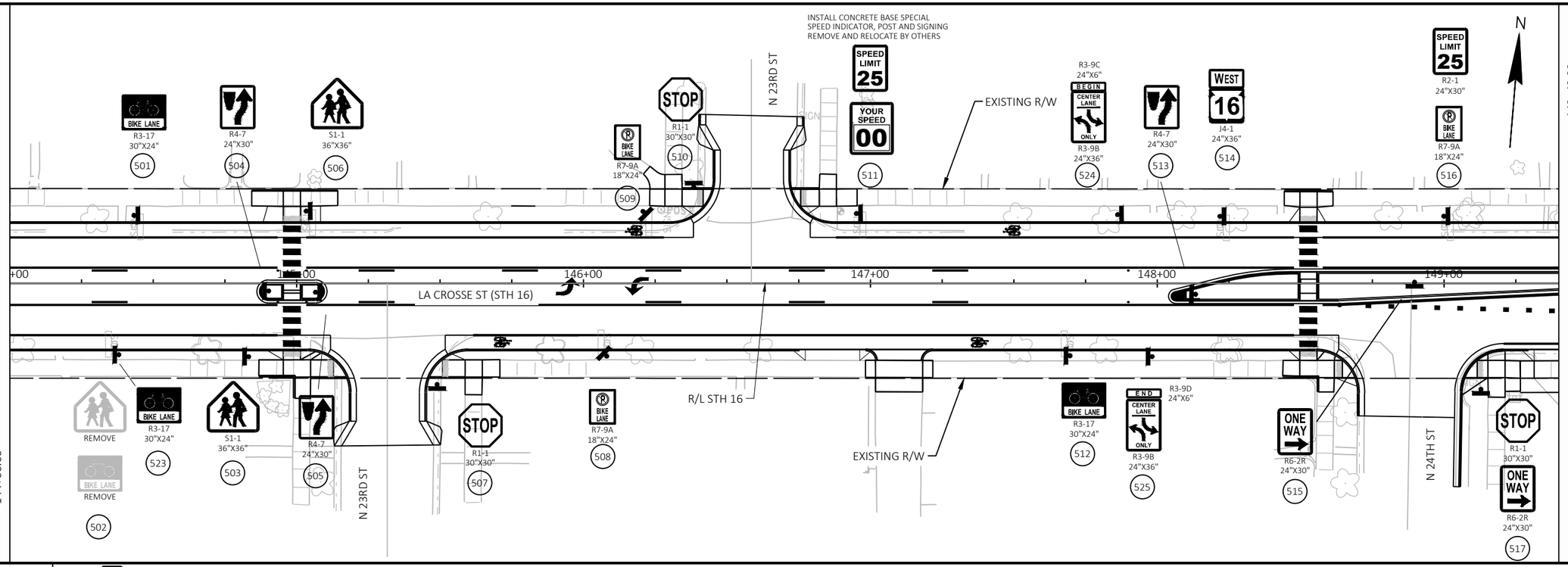
R/L STH 16

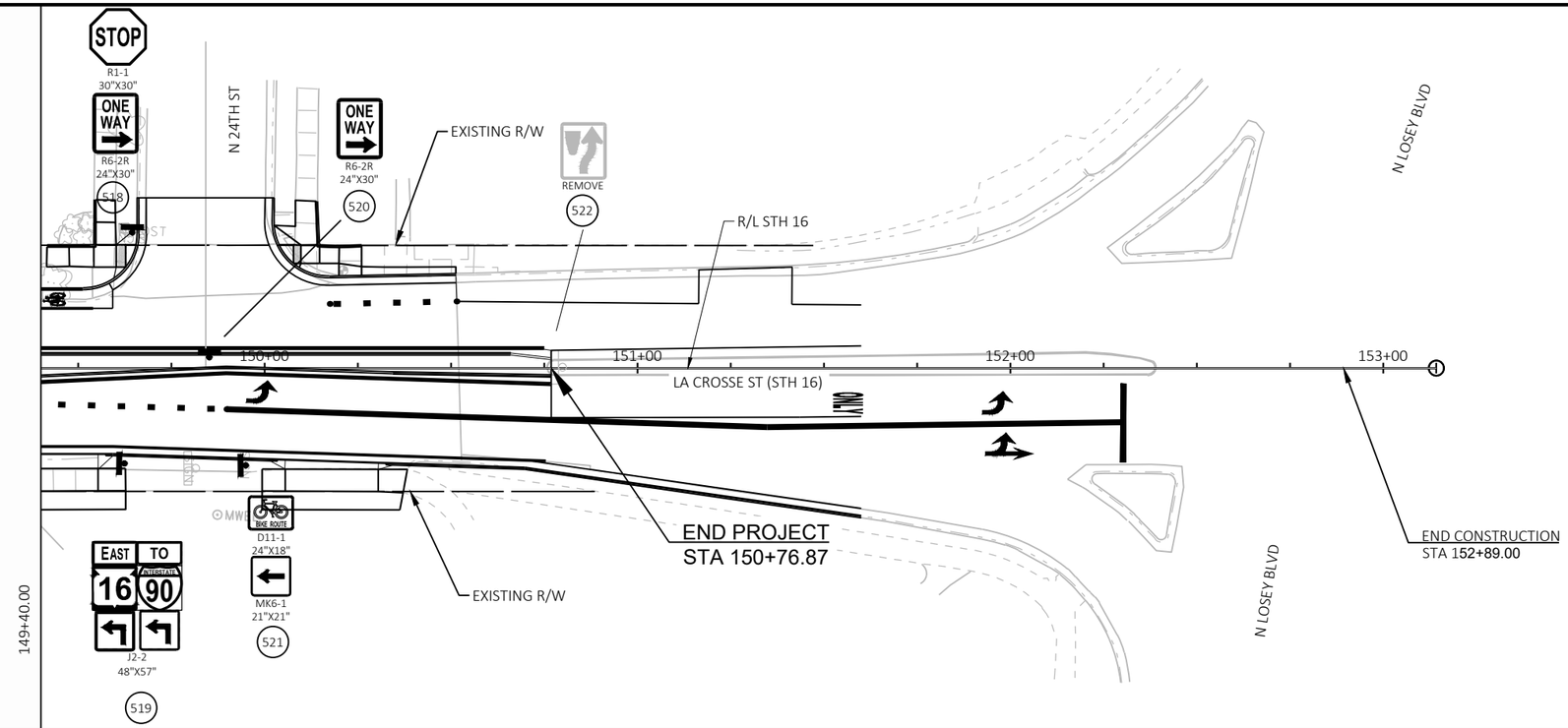
N 22ND ST

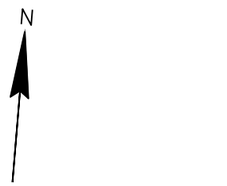
138+40.00

PROJECT NO: 7575-07-73	HWY: STH STH 16	COUNTY: LA CROSSE	PERMANENT SIGNING	SHEET 97	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 023204_ps
PLOT DATE : 10/19/2021 9:47 AM
PLOT BY : WEIGAND, BEN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44







LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- CANTILEVER SIGN BRIDGE
- XXX DENOTES SIGN NUMBER
- *STREET SIGNS TO BE RELOCATED BY OTHERS

PROJECT NO: 7575-07-73	HWY: STH STH 16	COUNTY: LA CROSSE	PERMANENT SIGNING	SHEET 98	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 023205_ps
PLOT DATE : 10/19/2021 9:47 AM PLOT BY : WEIGAND, BEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LC1 LB1 (2,4)
STA 105+96 2'RT
LED B-5(T)-12

PB101
STA 106+83 29.3'LT

LC1 LB5 (2,4)
STA 111+25 25.5'RT
LED B-5(T)-12

LC1 LB4 (1,3)
STA 109+92 25.5'RT
LED B-5(T)-12

LC1 LB3 (2,4)
STA 108+67 25.5'RT
LED B-5(T)-12

LC1 LB2 (1,3)
STA 107+41 25.2'RT
LED B-5(T)-12

PB102
STA 106+04 3'RT

PB103
STA 106+04 25'RT

INSTALL RRFB

BASKETBALL COURT

UTILIZE CITY OF LA CROSSE LIGHTING WIRING SPECIFICATION:

5L WIRING:
5L SHALL CONSIST OF 5 TOTAL WIRES
WIRING SHALL BE 240V
WIRING SHALL BE AS FOLLOWS:
A. RED (CIRCUIT 1,3 AND CIRCUIT 5,7) AND BLUE (CIRCUIT 2,4 AND CIRCUIT 6,8)
B. GREEN GROUND CONDUCTOR

LIGHTING PLAN LEGEND

- LIGHTING UNIT
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER
- CONDUIT RIGID NONMETALLIC 2"
- CONDUIT RIGID NONMETALLIC 2" CITY FIBER INTERCONNECT
- PULLBOX NONCONDUCTIVE, 24X42 INCH

LC1 LB5 (1,3)
STA 928+65, 26.4' LT
LED B-5(T)-12

- CABINET NUMBER
- POLE NUMBER
- LIGHTING CIRCUITS
- LOCATION
- LUMINAIRE ARM LENGTH (FT)
- POLE TYPE, TRANSFORMER BASE
- LUMINAIRE DESIGNATION

LC1 LB8 (1,3)
STA 115+28 25'LT
LED B-5(T)-12

PB107
STA 115+41 27'LT

LC1
STA 115+48 28.5'LT

PB108
STA 115+54 26'LT

PB106
STA 114+97 24.5'LT

PB105
STA 114+97 1'RT

PB109
STA 115+54 1'RT

PB110
STA 115+55 25'RT

PB104
STA 114+97 25.5'RT

LC1 LB7 (2,4)
STA 114+01 25.5'RT
LED B-5(T)-12

LC1 LB6 (1,3)
STA 112+60 25.5'RT
LED B-5(T)-12

LC1 LB9 (5,7)
STA 116+61 25.5'RT
LED B-5(T)-12

LC1 LB10 (6,8)
STA 117+94 25.5'RT
LED B-5(T)-12

LC1 LB11 (5,7)
STA 119+31 25.5'RT
LED B-5(T)-12

PB111
STA 119+56 25.5'RT

STH 16

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	LIGHTING PLAN	SHEET 99	E

FILE NAME : C:\BOXDRV\BOX\DTSD\DTSD-SWR\OPS\TRAFFIC\PROJECTS\LA CROSSE\7575-07-03 STH 16 (LA CROSSE ST)\ELECTRICAL\LIGHTING\LA CROSSE ST CONTINUOUS\DESIGN\SIGNAL.LIGHTINGDESIGN.DWG
LAYOUT NAME - 023601-lp
PLOT DATE : 10/15/2021 12:26 PM PLOT BY : WEBB, COLLIN J PLOT NAME : PLOT SCALE : 1 IN:50 FT

NOTE: SWEEP FUTURE CITY FIBER CONDUIT BEHIND ALL LIGHT BASES

STH 16

16TH ST N

H ST N

PB112
STA 119+99 25.5'RT

LC1 LB12 (6,8)
STA 120+65 25.5'RT
LED B-5(T)-12

LC1 LB13 (5,7)
STA 122+00 25.5'RT
LED B-5(T)-12

LC1 LB14 (6,8)
STA 123+35 25.5'RT
LED B-5(T)-12

PB113
STA 123+46 25.5'RT

PB114
STA 123+88 25.5'RT

LC1 LB15 (5,7)
STA 124+72 25.5'RT
LED B-5(T)-12

UTILIZE CITY OF LA CROSSE LIGHTING WIRING SPECIFICATION:

5L WIRING:
5L SHALL CONSIST OF 5 TOTAL WIRES
WIRING SHALL BE 240V
WIRING SHALL BE AS FOLLOWS:
A. RED (CIRCUIT 1,3 AND CIRCUIT 5,7) AND BLUE (CIRCUIT 2,4 AND CIRCUIT 6,8)
B. GREEN GROUND CONDUCTOR

LIGHTING PLAN LEGEND

- LIGHTING UNIT
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER
- CONDUIT RIGID NONMETALLIC 2"
- CONDUIT RIGID NONMETALLIC 2" CITY FIBER INTERCONNECT
- PULLBOX NONCONDUCTIVE, 24X42 INCH

LC1 LB5 (1,3)
STA 928+65, 26.4' LT
LED B-5(T)-12

- CABINET NUMBER
- POLE NUMBER
- LIGHTING CIRCUITS
- LOCATION
- LUMINAIRE ARM LENGTH (FT)
- POLE TYPE, TRANSFORMER BASE
- LUMINAIRE DESIGNATION

1-2" CONDUIT FOR CITY LIGHTING
1-2" CONDUIT FOR FUTURE CITY FIBER

LC2 LB16 (1,3)
STA 128+82 25.5'RT
LED B-5(T)-12

LC2 LB17 (2,4)
STA 130+14 25.5'RT
LED B-5(T)-12

LC2 LB18 (1,3)
STA 131+46 25.5'RT
LED B-5(T)-12

LC2 LB19 (2,4)
STA 132+54 25.5'RT
LED B-5(T)-12

LC2 LB20 (1,3)
STA 133+95 25.5'RT
LED B-5(T)-12

LC2 LB21 (2,4)
STA 135+44 25.5'RT
LED B-5(T)-12

ATHLETIC FIELD

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	LIGHTING PLAN	SHEET 100	E

FILE NAME : C:\BOXDRV\BOX\DTSD\DTSD-SWR\OPS\TRAFFIC\PROJECTS\LA CROSSE\7575-07-03 STH 16 (LA CROSSE ST)\ELECTRICAL\LIGHTING\LA CROSSE ST CONTINUOUS\DESIGN\SIGNAL.LIGHTINGDESIGN.DWG
LAYOUT NAME - 023602-lp
PLOT DATE : 10/15/2021 12:27 PM PLOT BY : WEBB, COLLIN J PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

NOTE: SWEEP FUTURE CITY FIBER CONDUIT BEHIND ALL LIGHT BASES

TENNIS COURT

PB118
STA 139+82 25.6'LT

LC2 LB24 (1,3)
STA 139+52 25.6'LT
LED B-5(T)-12

PB117
STA 139+47 25.6'LT

PB116
STA 139+46 4.3'LT

HILLVIEW

LC2
STA 139+92 43.7'LT

PB119
STA 139+94 36.6'LT

PB120
STA 140+37 26'LT

PB121
STA 140+63 25.4'LT

1-2" CONDUIT FOR CITY LIGHTING
1-2" CONDUIT FOR FUTURE CITY FIBER

22ND ST N

24th ST NORTH

STH 16

INSTALL RRFB

LC2 LB22 (1,3)
STA 136+84 25.5'RT
LED B-5(T)-12

LC2 LB23 (2,4)
STA 138+18 27'RT
LED B-5(T)-12

PB115
STA 139+46 26.6'RT

PB122
STA 140+64 24.8'RT

LC2 LB25 (5,7)
STA 140+89 25.5'RT
LED B-5(T)-12

LC2 LB26 (6,8)
STA 142+28 25.5'RT
LED B-5(T)-12

PB124
STA 142+14 25'RT

PB123
STA 141+46 25'RT

1-2" CONDUIT FOR CITY LIGHTING
1-2" CONDUIT FOR FUTURE CITY FIBER

UTILIZE CITY OF LA CROSSE LIGHTING WIRING SPECIFICATION:

5L WIRING:
5L SHALL CONSIST OF 5 TOTAL WIRES
WIRING SHALL BE 240V
WIRING SHALL BE AS FOLLOWS:
A. RED (CIRCUIT 1,3 AND CIRCUIT 5,7) AND BLUE (CIRCUIT 2,4 AND CIRCUIT 6,8)
B. GREEN GROUND CONDUCTOR

LIGHTING PLAN LEGEND

LIGHTING UNIT

LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER

CONDUIT RIGID NONMETALLIC 2"

CONDUIT RIGID NONMETALLIC 2" CITY FIBER INTERCONNECT

PULLBOX NONCONDUCTIVE, 24X42 INCH

LC1 LB5 (1,3)
STA 928+65, 26.4' LT
LED B-5(T)-12

- CABINET NUMBER
- POLE NUMBER
- LIGHTING CIRCUITS
- LOCATION
- LUMINAIRE ARM LENGTH (FT)
- POLE TYPE, TRANSFORMER BASE
- LUMINAIRE DESIGNATION

PB128
STA 148+44 1'RT

LC2 LB27 (5,7)
STA 143+75 25'RT
LED B-5(T)-12

LC2 LB28 (6,8)
STA 144+89 25.5'RT
LED B-5(T)-12

PB125
STA 145+04 25'RT

LC2 LB29 (5,7)
STA 146+30 25.5'RT
LED B-5(T)-12

PB126
STA 145+62 25'RT

LC2 LB30 (6,8)
STA 147+67 25.5'RT
LED B-5(T)-12

PB127
STA 148+44 25.5'RT

LC2 LB31 (5,7)
STA 148+81 0'RT
LED B-5(T)-12

LC2 LB32 (6,8)
STA 150+38 1'LT
LED B-5(T)-12

1-2" CONDUIT FOR CITY LIGHTING
1-2" CONDUIT FOR FUTURE CITY FIBER

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	LIGHTING PLAN	SHEET 101	E

FILE NAME : C:\BOXDRV\BOX\DTSD\DTSD-SWR\OPS\TRAFFIC\PROJECTS\LA CROSSE\7575-07-03 STH 16 (LA CROSSE ST)\ELECTRICAL\LIGHTING\LA CROSSE ST CONTINUOUS\DESIGN\SIGNAL.LIGHTINGDESIGN.DWG
LAYOUT NAME - 023603-lp
PLOT DATE : 10/15/2021 12:27 PM PLOT BY : WEBB, COLLIN J PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

REMOVE 8 TYPE 2 BASES
REMOVE 1 TYPE 9 SPECIAL BASE
REMOVE 4 TYPE 2 POLES
REMOVE 4 TYPE 4 POLES
REMOVE 8 STEEL PULL BOXES

N

EAST AVE

STH 16 (LA CROSSE ST)

126+00

127+00

128+00

PI: 127+26.93

20'

25'

15'

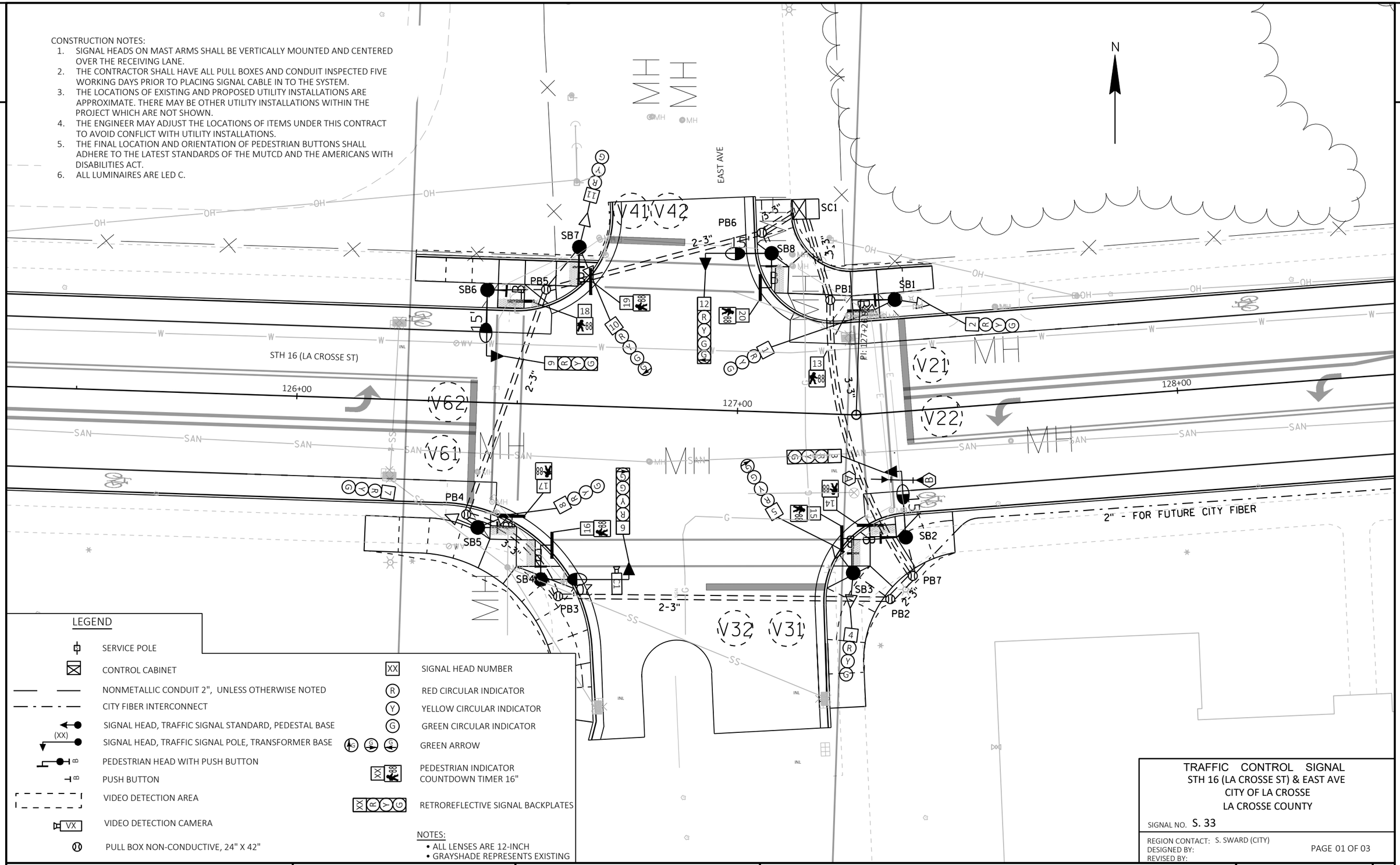
25'

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	STH 16 (LA CROSSE ST) & EAST AVE TRAFFIC SIGNAL REMOVAL PLAN	SHEET 102	E

FILE NAME : C:\BOXDRV\BOX\DTSD\DTSD-SWR\OPS\TRAFFIC\PROJECTS\LA CROSSE\7575-07-03 STH 16 (LA CROSSE ST)\ELECTRICAL\LIGHTING\LA CROSSE ST CONTINUOUS\DESIGN\24001-SR.DWG PLOT DATE : 10/15/2021 11:38 AM PLOT BY : WEBB, COLLIN J PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 024001-sr

CONSTRUCTION NOTES:

1. SIGNAL HEADS ON MAST ARMS SHALL BE VERTICALLY MOUNTED AND CENTERED OVER THE RECEIVING LANE.
2. THE CONTRACTOR SHALL HAVE ALL PULL BOXES AND CONDUIT INSPECTED FIVE WORKING DAYS PRIOR TO PLACING SIGNAL CABLE IN TO THE SYSTEM.
3. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
4. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH UTILITY INSTALLATIONS.
5. THE FINAL LOCATION AND ORIENTATION OF PEDESTRIAN BUTTONS SHALL ADHERE TO THE LATEST STANDARDS OF THE MUTCD AND THE AMERICANS WITH DISABILITIES ACT.
6. ALL LUMINAIRES ARE LED C.



LEGEND

- SERVICE POLE
- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- CITY FIBER INTERCONNECT
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- VIDEO DETECTION AREA
- VX VIDEO DETECTION CAMERA
- PULL BOX NON-CONDUCTIVE, 24" X 42"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- GREEN ARROW
- PEDESTRIAN INDICATOR COUNTDOWN TIMER 16"
- RETROREFLECTIVE SIGNAL BACKPLATES

NOTES:

- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
STH 16 (LA CROSSE ST) & EAST AVE
CITY OF LA CROSSE
LA CROSSE COUNTY

SIGNAL NO. S. 33

REGION CONTACT: S. SWARD (CITY)
DESIGNED BY:
REVISED BY:

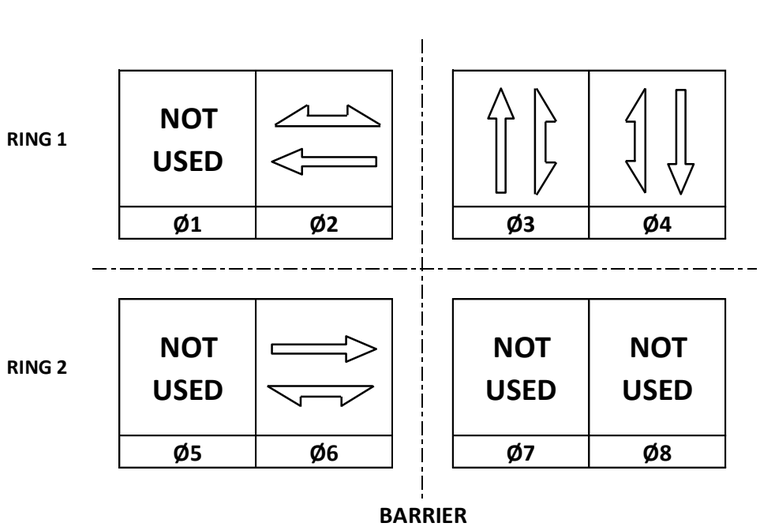
PAGE 01 OF 03

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	STH 16 (LA CROSSE ST) & EAST AVE TRAFFIC SIGNAL PLAN	SHEET 103	E

FILE NAME : C:\BOXDRV\BOX\DTSD\DTSD-SWR\OPS\TRAFFIC\PROJECTS\LA CROSSE\7575-07-03 STH 16 (LA CROSSE ST)\ELECTRICAL\LIGHTING\LA CROSSE ST CONTINUOUS\DESIGN\024201-SP.DWG PLOT DATE : 10/15/2021 3:52 PM PLOT BY : WEBB, COLLIN J PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 024201-sp

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø2	2,8-9	R
Ø3	4,10,12	R
Ø4	5-6,11	R
Ø6	1,3,7	R
Ø2P	19-20	
Ø3P	13-14	
Ø4P	17-18	
Ø6P	15-16	



CONTROLLER LOGIC

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

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT	← →	← →		
PHASE	2+6	6+2		

AFTER PREEMPTION SEQUENCE 2+6 OR 6+2, CONTROLLER SHALL RETURN TO PHASES 2+6 AND PLACE CALLS ON PHASE 3 & PHASE 4.

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

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	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	X
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)	V21	V31	V41	V61				
CALLED PHASE	2	3	4	6				
CALL OPTION	X	X	X	X				
DELAY TIME		12	12					
EXTENTION OPTION	X	X	X	X				
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE								

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)	V22	V32	V42	V62				
CALLED PHASE	2	3	4	6				
CALL OPTION	X	X	X	X				
DELAY TIME								
EXTENTION OPTION	X	X	X	X				
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE								

GENERAL NOTES:

1. PROGRAMMED FLASH IS Y-R

STH 16 (LA CROSSE ST) & EAST AVE
CITY OF LA CROSSE
LA CROSSE COUNTY
SIGNAL NO: S. 33 CABINET TYPE: TS2
CONTROLLER TYPE: ECONOLITE
DATE: 6/24/2021 PAGE NO. 02 OF 03

SC1 TO	CABLE (AWG 14)	HEAD NO.	SIGNAL INDICATION WIRE COLOR										PED BUTTON
			RED	YELLOW	GREEN	FLASHING YELLOW	<RED>	<YELLOW>	<GREEN>	<FLASHING YELLOW>	DON'T WALK	WALK	
SB1	12/C	1	RED	ORG	GRN								
		2	RED/BLK	ORG/BLK	GRN/BLK								
		13									BLK	BLU	
		3 PED BUTTON											WHT/BLK
SB2	7/C	3	RED	ORG	GRN								
		14									BLK	BLU	
		3 PED BUTTON											WHT/BLK
SB3	12/C	4	RED	ORG	GRN								
		5	RED/BLK	ORG/BLK	GRN/BLK				GRN/BLK				
		15									BLK	BLU	
		6 PED BUTTON											WHT/BLK
SB4	7/C	6	RED	ORG	GRN				GRN				
		16									BLK	BLU	
		6 PED BUTTON											WHT/BLK
SB5	12/C	7	RED	ORG	GRN								
		8	RED/BLK	ORG/BLK	GRN/BLK								
		17									BLK	BLU	
		4 PED BUTTON											WHT/BLK
SB6	7/C	9	RED	ORG	GRN								
		18									BLK	BLU	
		4 PED BUTTON											WHT/BLK
SB7	12/C	10	RED	ORG	GRN				GRN				
		11	RED/BLK	ORG/BLK	GRN/BLK								
		19									BLK	BLU	
		2 PED BUTTON											WHT/BLK
SB8	7/C	12	RED	ORG	GRN				GRN				
		20									BLK	BLU	
		2 PED BUTTON											WHT/BLK

TRAFFIC CONTROL SIGNAL
STH 16 (LA CROSSE ST) & EAST AVENUE
CITY OF LA CROSSE
LA CROSSE COUNTY

SIGNAL NO. S. 33

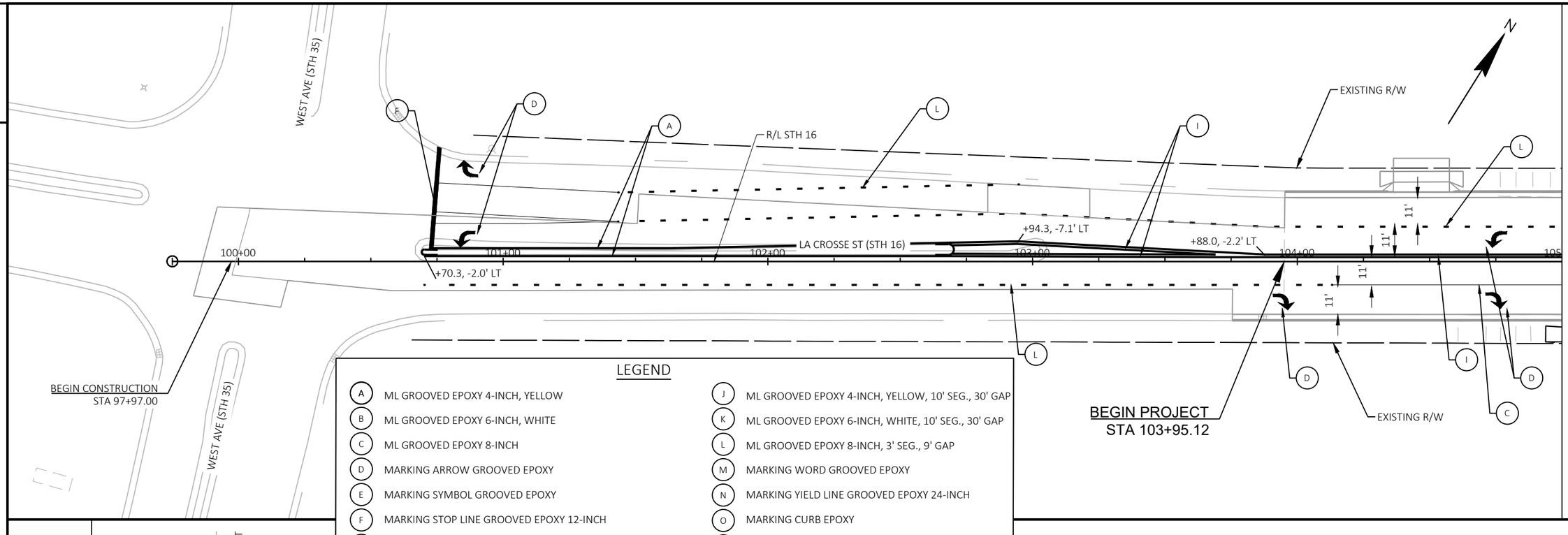
REGION CONTACT: S. SWARD (CITY)
DESIGNED BY:
REVISED BY:

PAGE 03 OF 03

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	STH 16 (LA CROSSE ST) & EAST AVE CABLE ROUTING	SHEET 105	E

FILE NAME : C:\BOXDRV\BOX\DTSD\DTSD-SWR\OPS\TRAFFIC\PROJECTS\LA CROSSE\7575-07-03 STH 16 (LA CROSSE ST)\ELECTRICAL\LIGHTING\LA CROSSE ST CONTINUOUS\DESIGN\024201-SP.DWG PLOT DATE : 10/15/2021 11:35 AM PLOT BY : WEBB, COLLIN J PLOT NAME : PLOT SCALE : 1 IN:10 FT
LAYOUT NAME - 024401-cr

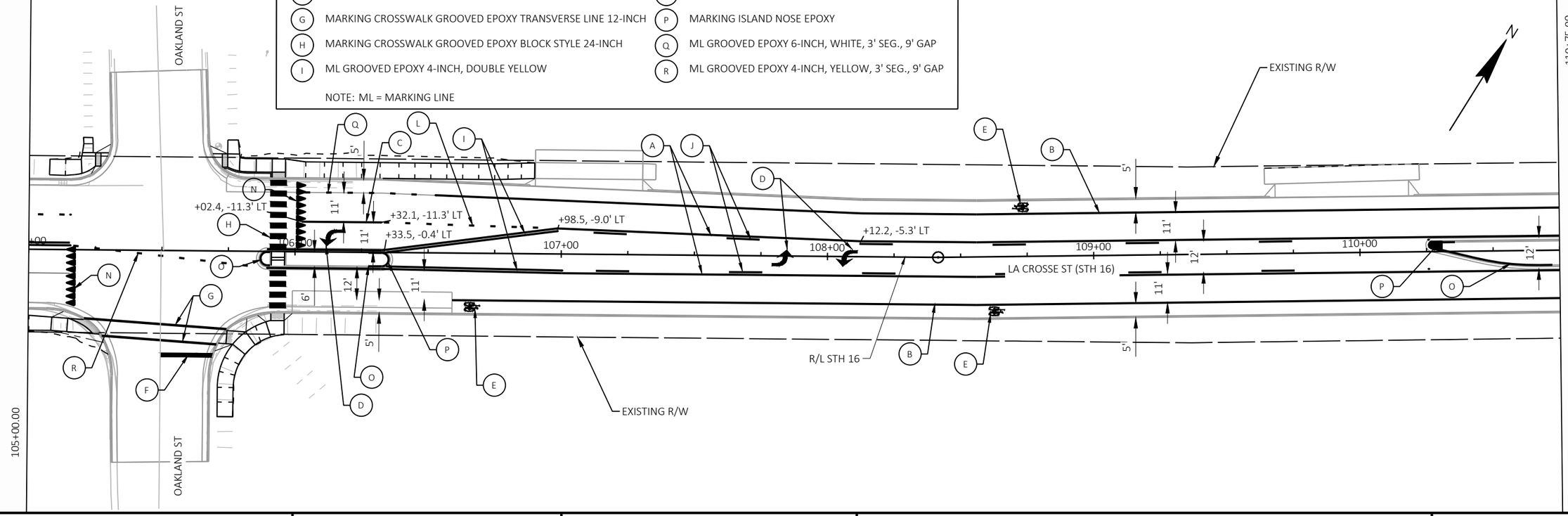
WISDOT/CADDS SHEET 42



LEGEND

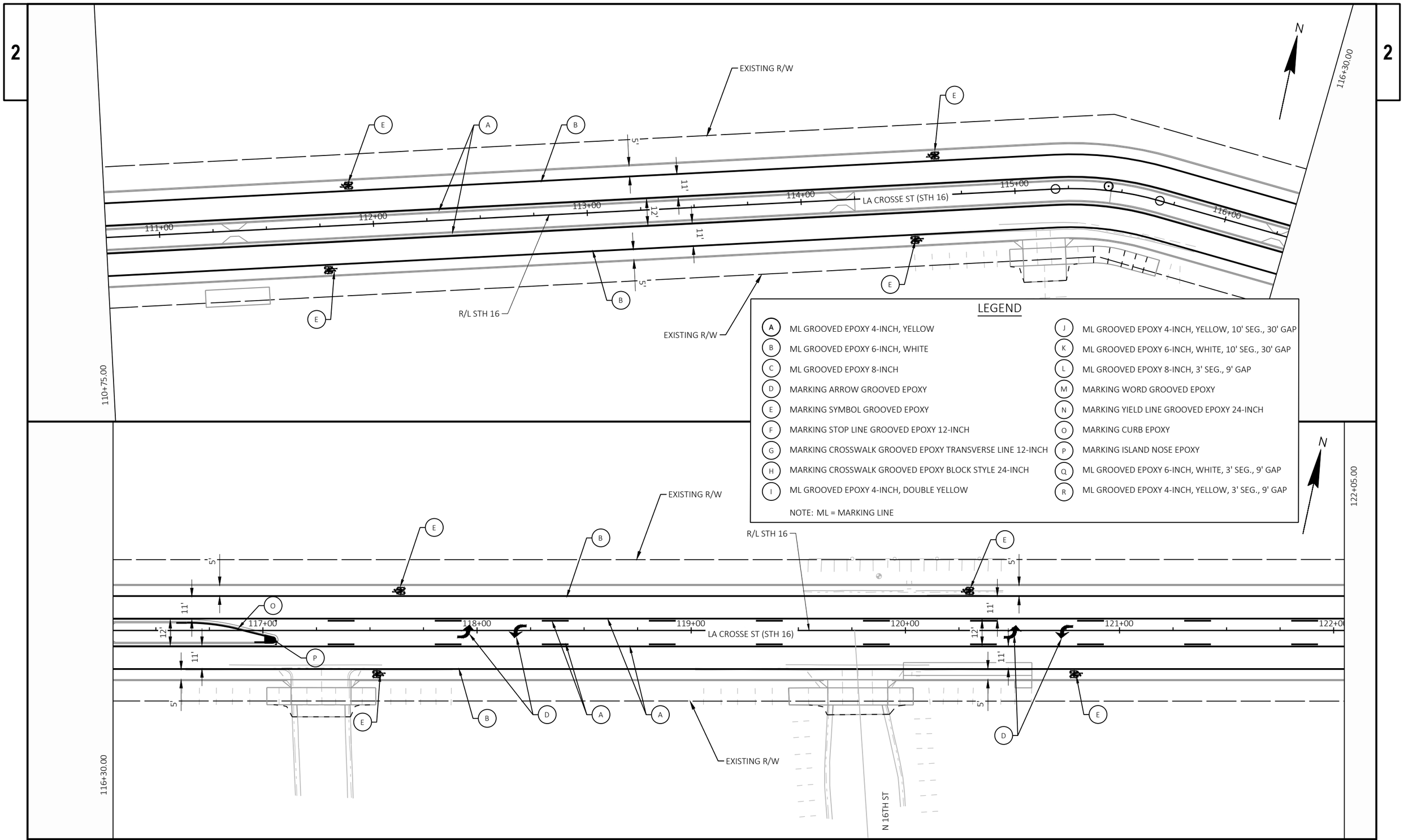
A	ML GROOVED EPOXY 4-INCH, YELLOW	J	ML GROOVED EPOXY 4-INCH, YELLOW, 10' SEG., 30' GAP
B	ML GROOVED EPOXY 6-INCH, WHITE	K	ML GROOVED EPOXY 6-INCH, WHITE, 10' SEG., 30' GAP
C	ML GROOVED EPOXY 8-INCH	L	ML GROOVED EPOXY 8-INCH, 3' SEG., 9' GAP
D	MARKING ARROW GROOVED EPOXY	M	MARKING WORD GROOVED EPOXY
E	MARKING SYMBOL GROOVED EPOXY	N	MARKING YIELD LINE GROOVED EPOXY 24-INCH
F	MARKING STOP LINE GROOVED EPOXY 12-INCH	O	MARKING CURB EPOXY
G	MARKING CROSSWALK GROOVED EPOXY TRANSVERSE LINE 12-INCH	P	MARKING ISLAND NOSE EPOXY
H	MARKING CROSSWALK GROOVED EPOXY BLOCK STYLE 24-INCH	Q	ML GROOVED EPOXY 6-INCH, WHITE, 3' SEG., 9' GAP
I	ML GROOVED EPOXY 4-INCH, DOUBLE YELLOW	R	ML GROOVED EPOXY 4-INCH, YELLOW, 3' SEG., 9' GAP

NOTE: ML = MARKING LINE



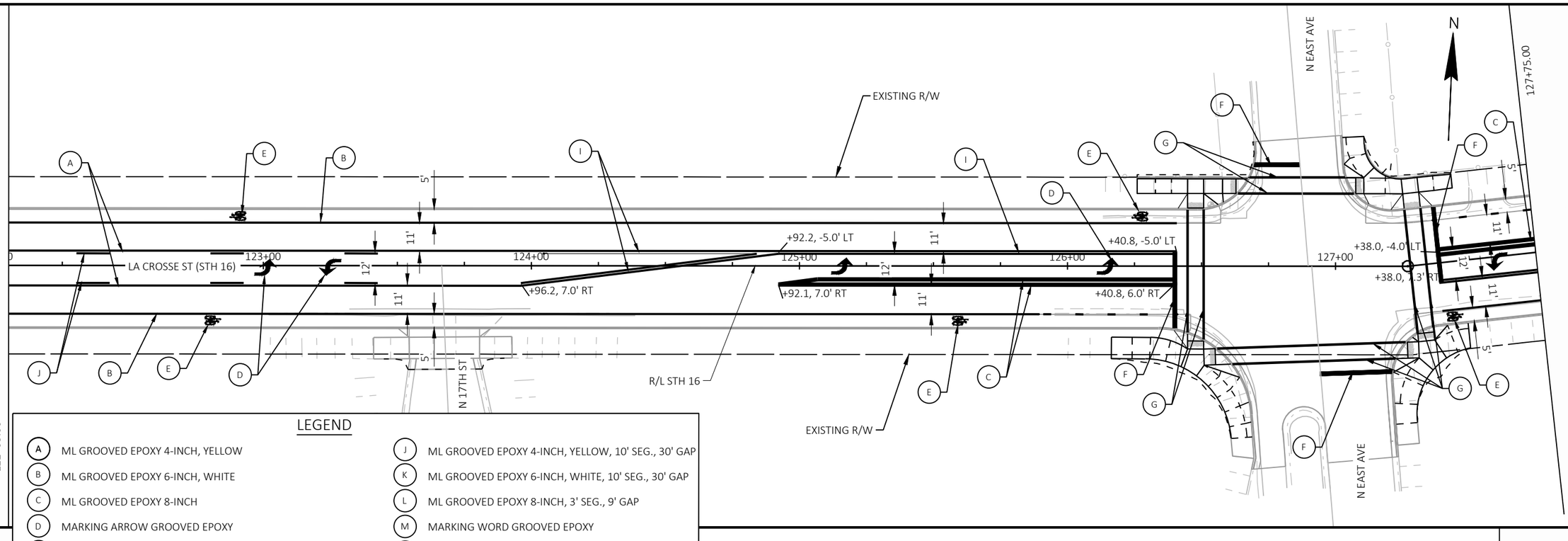
PROJECT NO: 7575-07-73	HWY: STH STH 16	COUNTY: LA CROSSE	PAVEMENT MARKING	SHEET 106	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\7575073\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024501_pm
PLOT DATE : 2/10/2022 2:16 PM
PLOT BY : WEIGAND, BEN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



PROJECT NO: 7575-07-73	HWY: STH STH 16	COUNTY: LA CROSSE	PAVEMENT MARKING	SHEET 107	E

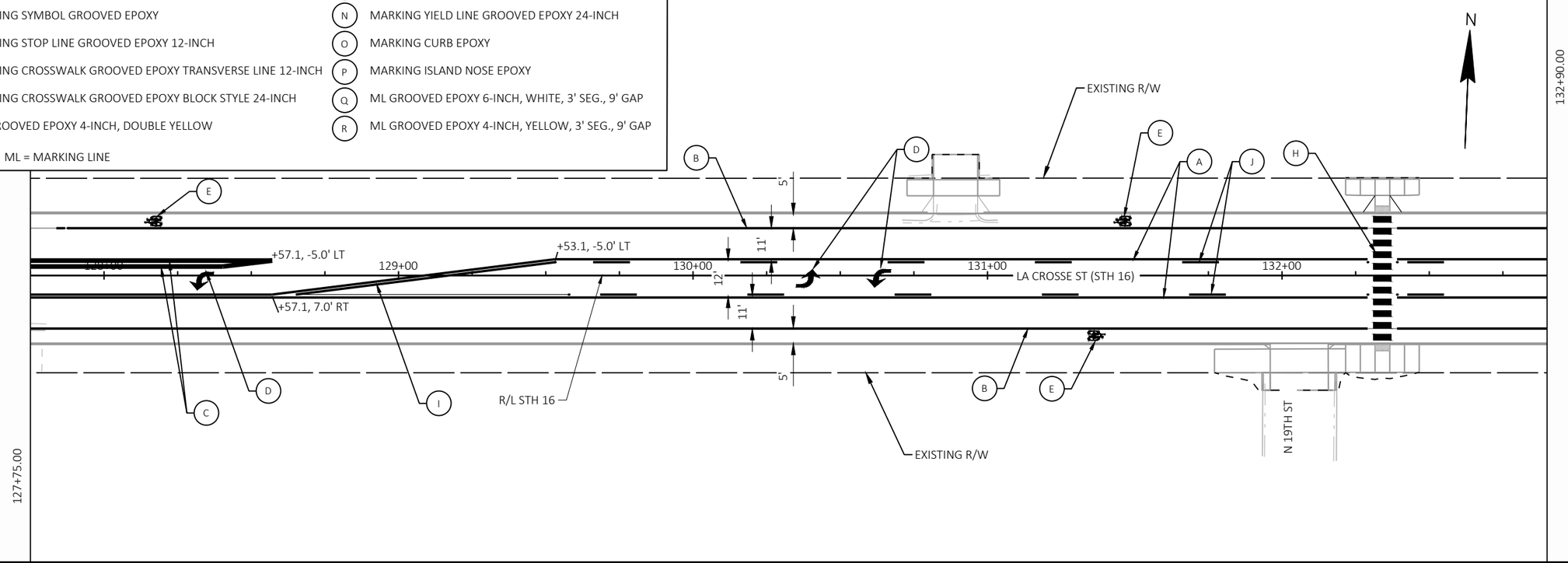
FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024502_pm
PLOT DATE : 2/10/2022 2:16 PM PLOT BY : WEIGAND, BEN PLOT NAME : PLOT SCALE : 1 IN:40 FT



LEGEND

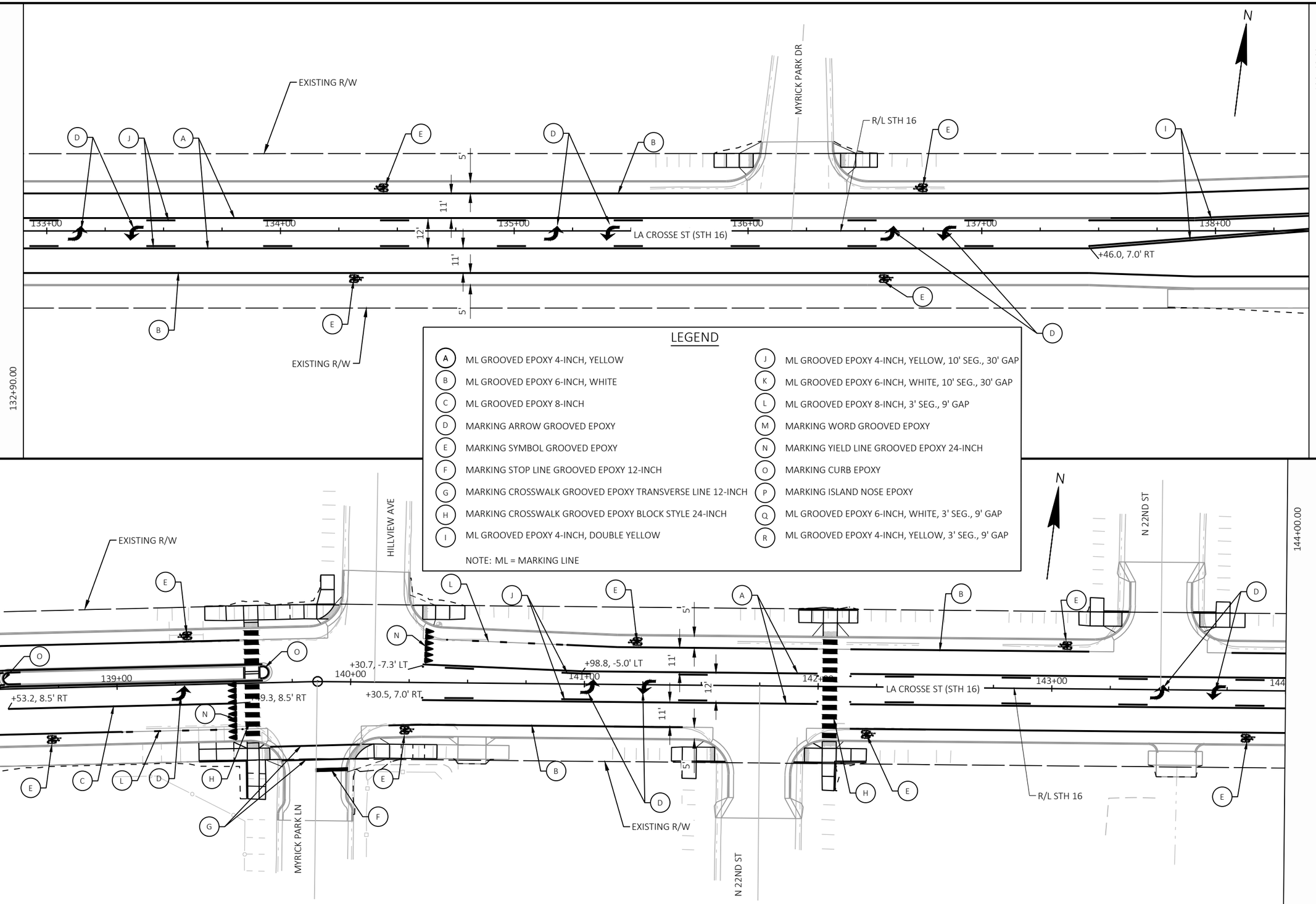
A	ML GROOVED EPOXY 4-INCH, YELLOW	J	ML GROOVED EPOXY 4-INCH, YELLOW, 10' SEG., 30' GAP
B	ML GROOVED EPOXY 6-INCH, WHITE	K	ML GROOVED EPOXY 6-INCH, WHITE, 10' SEG., 30' GAP
C	ML GROOVED EPOXY 8-INCH	L	ML GROOVED EPOXY 8-INCH, 3' SEG., 9' GAP
D	MARKING ARROW GROOVED EPOXY	M	MARKING WORD GROOVED EPOXY
E	MARKING SYMBOL GROOVED EPOXY	N	MARKING YIELD LINE GROOVED EPOXY 24-INCH
F	MARKING STOP LINE GROOVED EPOXY 12-INCH	O	MARKING CURB EPOXY
G	MARKING CROSSWALK GROOVED EPOXY TRANSVERSE LINE 12-INCH	P	MARKING ISLAND NOSE EPOXY
H	MARKING CROSSWALK GROOVED EPOXY BLOCK STYLE 24-INCH	Q	ML GROOVED EPOXY 6-INCH, WHITE, 3' SEG., 9' GAP
I	ML GROOVED EPOXY 4-INCH, DOUBLE YELLOW	R	ML GROOVED EPOXY 4-INCH, YELLOW, 3' SEG., 9' GAP

NOTE: ML = MARKING LINE



PROJECT NO: 7575-07-73	HWY: STH STH 16	COUNTY: LA CROSSE	PAVEMENT MARKING	SHEET 108	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024503_pm
PLOT DATE : 2/10/2022 2:16 PM
PLOT BY : WEIGAND, BEN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

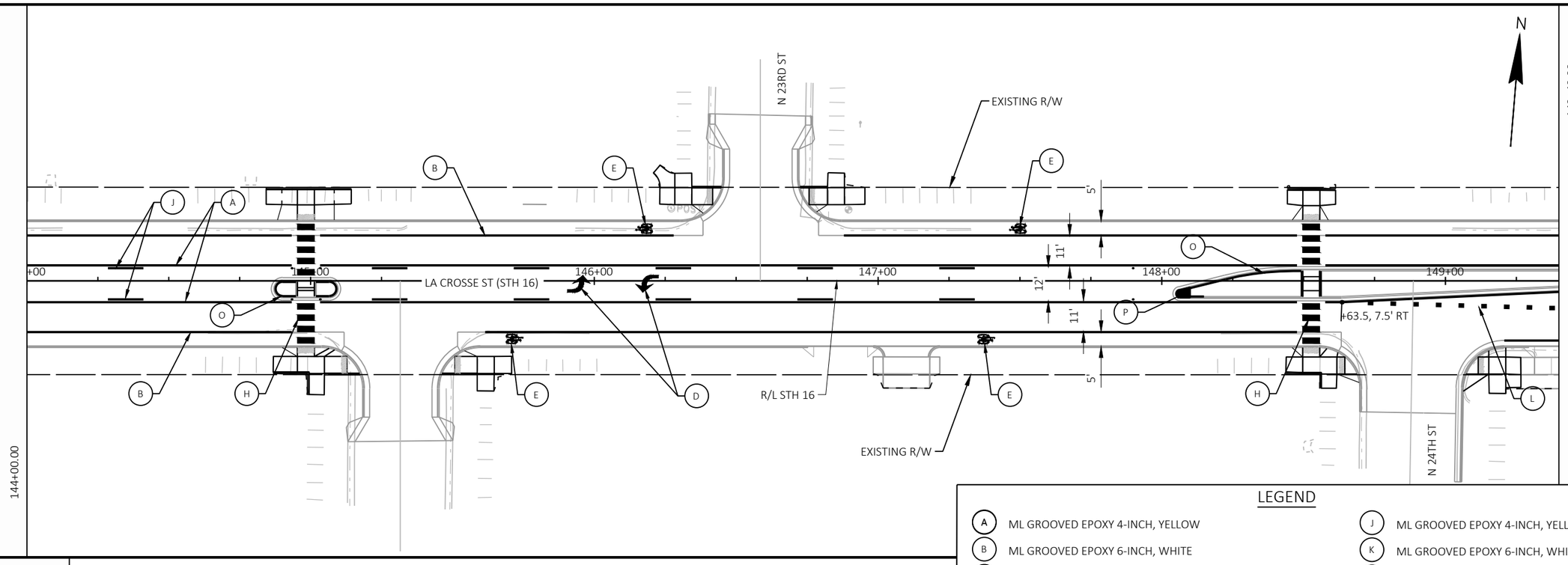


LEGEND

A	ML GROOVED EPOXY 4-INCH, YELLOW	J	ML GROOVED EPOXY 4-INCH, YELLOW, 10' SEG., 30' GAP
B	ML GROOVED EPOXY 6-INCH, WHITE	K	ML GROOVED EPOXY 6-INCH, WHITE, 10' SEG., 30' GAP
C	ML GROOVED EPOXY 8-INCH	L	ML GROOVED EPOXY 8-INCH, 3' SEG., 9' GAP
D	MARKING ARROW GROOVED EPOXY	M	MARKING WORD GROOVED EPOXY
E	MARKING SYMBOL GROOVED EPOXY	N	MARKING YIELD LINE GROOVED EPOXY 24-INCH
F	MARKING STOP LINE GROOVED EPOXY 12-INCH	O	MARKING CURB EPOXY
G	MARKING CROSSWALK GROOVED EPOXY TRANSVERSE LINE 12-INCH	P	MARKING ISLAND NOSE EPOXY
H	MARKING CROSSWALK GROOVED EPOXY BLOCK STYLE 24-INCH	Q	ML GROOVED EPOXY 6-INCH, WHITE, 3' SEG., 9' GAP
I	ML GROOVED EPOXY 4-INCH, DOUBLE YELLOW	R	ML GROOVED EPOXY 4-INCH, YELLOW, 3' SEG., 9' GAP

NOTE: ML = MARKING LINE

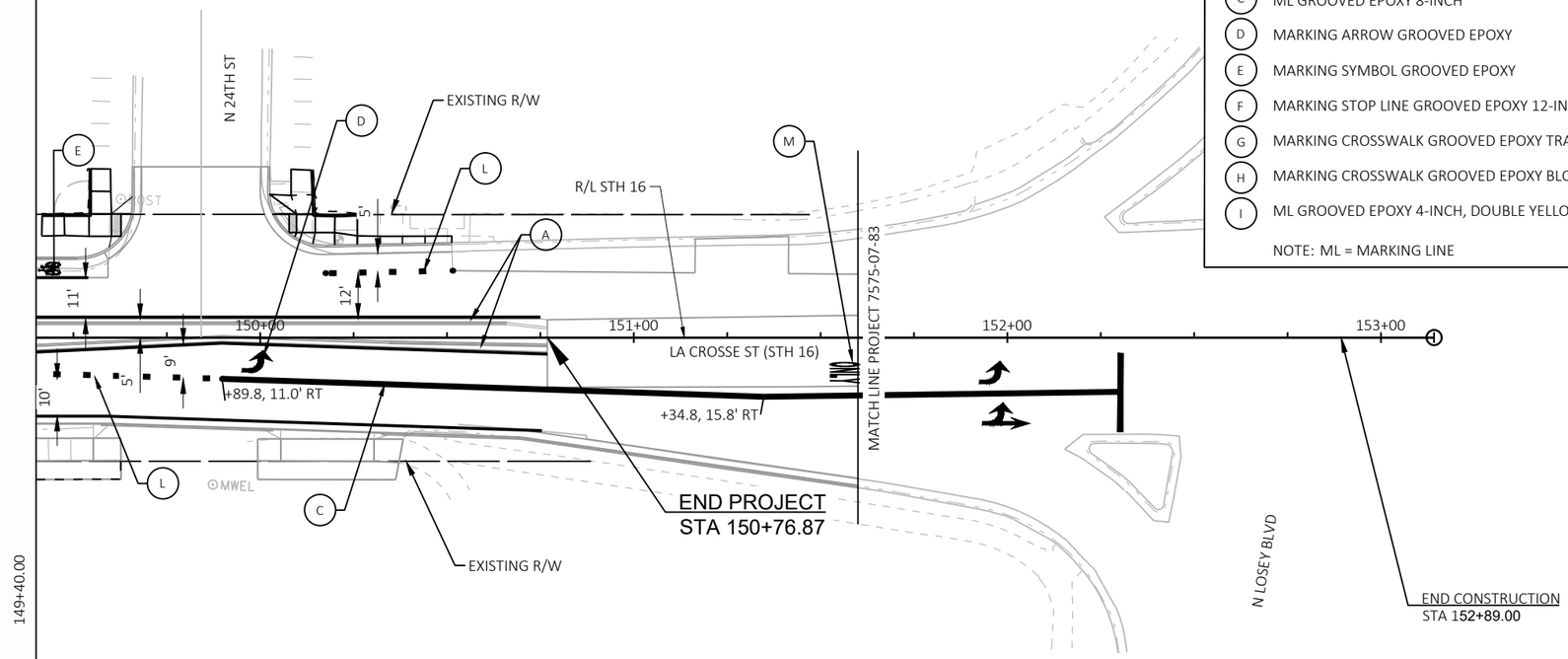
PROJECT NO: 7575-07-73	HWY: STH STH 16	COUNTY: LA CROSSE	PAVEMENT MARKING	SHEET 109	E



LEGEND

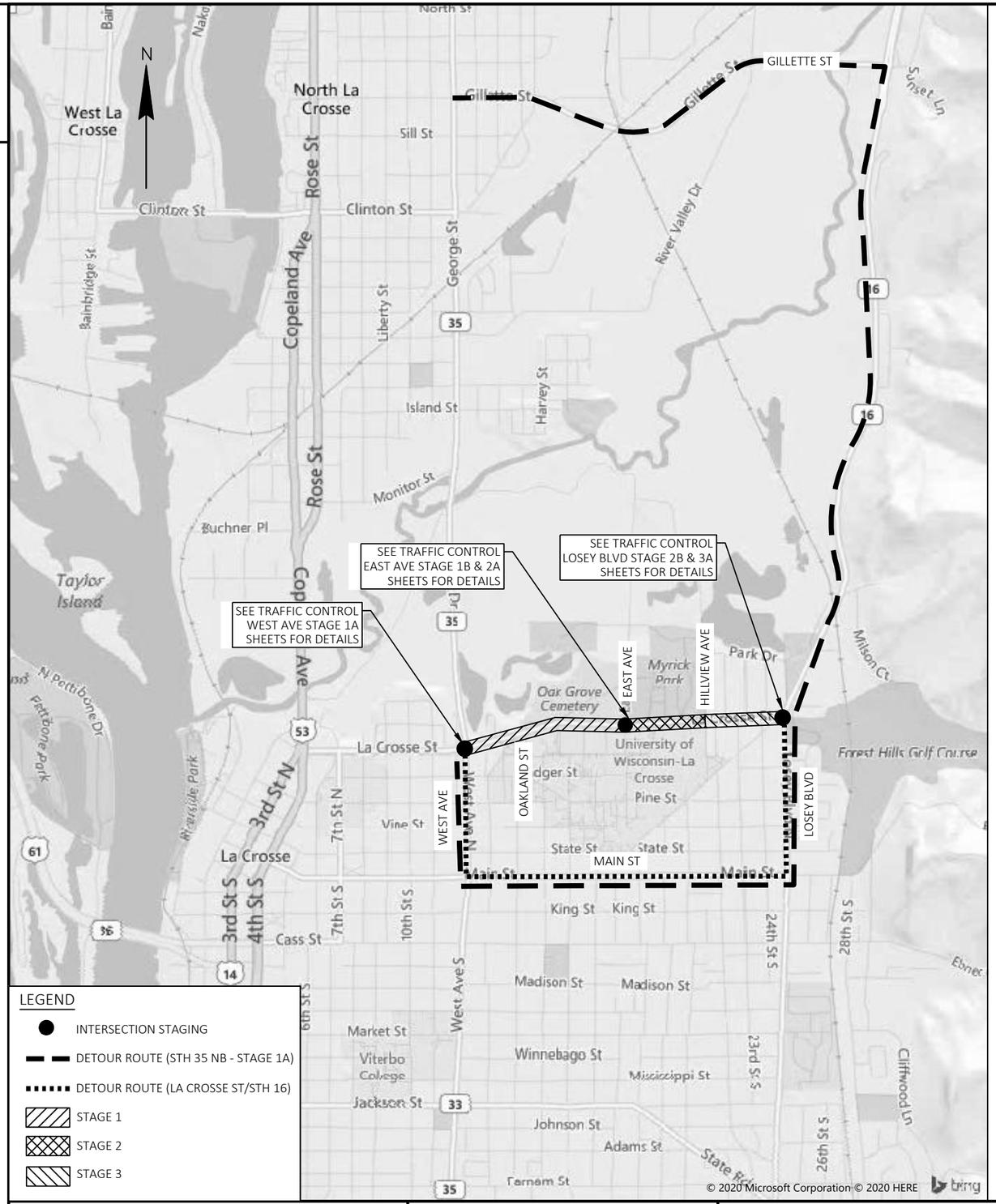
A	ML GROOVED EPOXY 4-INCH, YELLOW	J	ML GROOVED EPOXY 4-INCH, YELLOW, 10' SEG., 30' GAP
B	ML GROOVED EPOXY 6-INCH, WHITE	K	ML GROOVED EPOXY 6-INCH, WHITE, 10' SEG., 30' GAP
C	ML GROOVED EPOXY 8-INCH	L	ML GROOVED EPOXY 8-INCH, 3' SEG., 9' GAP
D	MARKING ARROW GROOVED EPOXY	M	MARKING WORD GROOVED EPOXY
E	MARKING SYMBOL GROOVED EPOXY	N	MARKING YIELD LINE GROOVED EPOXY 24-INCH
F	MARKING STOP LINE GROOVED EPOXY 12-INCH	O	MARKING CURB EPOXY
G	MARKING CROSSWALK GROOVED EPOXY TRANSVERSE LINE 12-INCH	P	MARKING ISLAND NOSE EPOXY
H	MARKING CROSSWALK GROOVED EPOXY BLOCK STYLE 24-INCH	Q	ML GROOVED EPOXY 6-INCH, WHITE, 3' SEG., 9' GAP
I	ML GROOVED EPOXY 4-INCH, DOUBLE YELLOW	R	ML GROOVED EPOXY 4-INCH, YELLOW, 3' SEG., 9' GAP

NOTE: ML = MARKING LINE



PROJECT NO: 7575-07-73	HWY: STH STH 16	COUNTY: LA CROSSE	PAVEMENT MARKING	SHEET 110	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\7575073\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024505_pm
PLOT DATE : 2/10/2022 2:16 PM
PLOT BY : WEIGAND, BEN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



NOTES

STAGING OVERVIEW FOR LA CROSSE STREET (STH 16)

- LA CROSSE STREET (STH 16) CONSTRUCTION IS DIVIDED INTO 3 STAGES. STAGE 1: WEST AVENUE TO EAST AVENUE, STAGE 2: EAST AVENUE TO HILLVIEW AVENUE, AND STAGE 3: HILLVIEW AVENUE TO LOSEY BOULEVARD. EACH SECTION OF ROADWAY WILL BE CLOSED TO THRU TRAFFIC DURING THEIR RESPECTIVE STAGE.
- SEE TRAFFIC CONTROL INTERSECTION DETAIL SHEETS FOR STAGING AT WEST AVENUE (STAGE 1A), EAST AVENUE (STAGE 1B & 2A), AND LOSEY BOULEVARD (STAGE 2B & 3A).
- A DETOUR WILL BE POSTED USING MAIN STREET DURING ALL LA CROSSE STREET STAGES FOR THRU TRAFFIC. SEE DETOUR PLAN FOR DETAILS.
- AN ADDITIONAL DETOUR WILL BE UTILIZED FOR WORK AT THE WEST AVENUE INTERSECTION IN STAGE 1 A. SEE DETOUR PLAN FOR DETAILS.
- SEE PROJECT ID 7575-07-70 PLAN FOR FURTHER TRAFFIC CONTROL DETAILS AT WEST AVENUE INTERSECTION ONCE STAGE 1A IS COMPLETED PER PROJECT ID 7575-07-73.
- STAGE 2B AT LOSEY BOULEVARD MUST BE COMPLETED PRIOR TO CONSTRUCTION MOVING TO STAGE 3.
- STORM SEWER AND ROADWAY WORK AT LOSEY BOULEVARD IS SHOWN IN PROJECT ID 7575-07-83

PEDESTRIAN ACCOMMODATIONS:

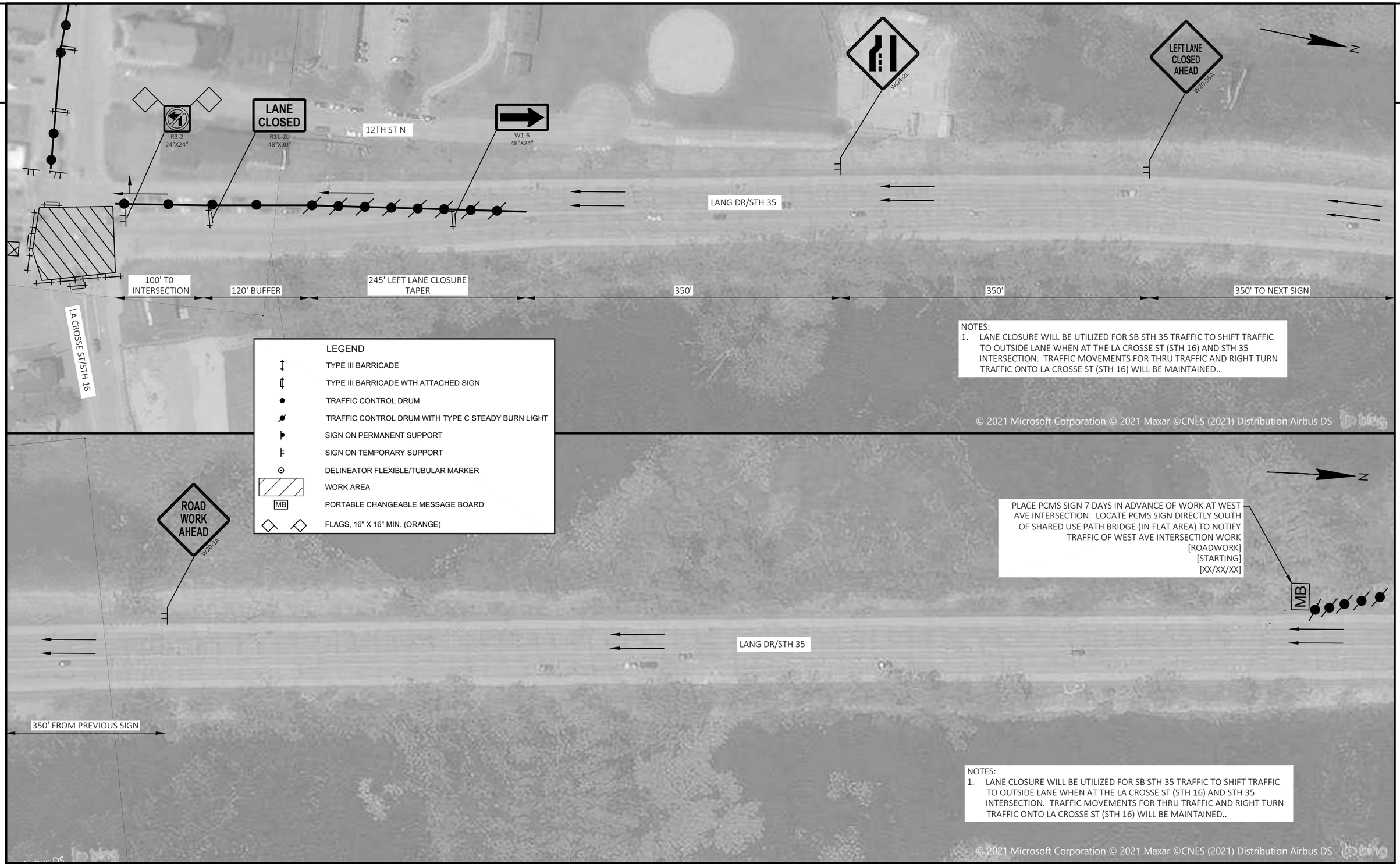
- PEDESTRIAN ACCOMMODATIONS AT THE INTERSECTION OF OAKLAND STREET, EAST AVENUE, AND EACH ALTERNATING BLOCK EAST OF HILLVIEW AVENUE TO LOSEY BOULEVARD SHALL HAVE ONE NORTH/SOUTH CROSSING OPEN AT ALL TIMES ON EITHER SIDE OF THE CORRESPONDING INTERSECTION.
- USE OF TEMPORARY PEDESTRIAN ACCOMMODATION BID ITEMS ARE INCLUDED IN THE MISCELLANEOUS QUANTITIES TO BE USED TO MAINTAIN PEDESTRIAN ACCESS AS DETERMINED BY THE ENGINEER IN THE FIELD.
- WEST AVENUE INTERSECTION, EAST AVENUE INTERSECTION, AND LOSEY BOULEVARD INTERSECTION SUB-STAGES HAVE SPECIAL PEDESTRIAN ACCOMMODATIONS SHOWN ON THEIR TRAFFIC CONTROL SHEETS. FOLLOW THE CORRESPONDING INTERSECTION STAGING DETAILS OR AT THE DISCRETION OF THE ENGINEER FOR THESE SUB-STAGES.
- MAINTAIN EITHER NORTH OR SOUTH SIDEWALK FOR PEDESTRIANS AT ALL TIMES DURING CONSTRUCTION. IF CROSSINGS ARE REQUIRED FROM NORTH TO SOUTH OR SOUTH TO NORTH PROVIDE ACCESS USING TEMPORARY PEDESTRIAN ACCOMMODATION BID ITEMS PROVIDED.

STANDARD DETAIL DRAWINGS:

- SEE SDD TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION FOR LAYOUT OF TEMPORARY PEDESTRIAN FACILITIES, SIDEWALK CLOSURES, OR TEMPORARY CROSSWALK LOCATIONS.
- SEE SDD TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY AND TRAFFIC CONTROL, SINGLE LEFT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY FOR LANE CLOSURES AT INTERSECTION SUB-STAGES.
- SEE SDD BARRICADES AND SIGNS FOR MAINLINE CLOSURES FOR SETUP OF LA CROSSE STREET AND WEST AVENUE CLOSURE.
- SEE SDD BARRICADES AND SIGNS FOR SIDE ROAD CLOSURES FOR SETUP OF SIDE ROAD CLOSURES AT LA CROSSE STREET.

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	TRAFFIC CONTROL - OVERVIEW AND NOTES	SHEET 111	E

2



2

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	TRAFFIC CONTROL - WEST AVE NORTH APPROACH STAGE 1A	SHEET 112	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\025102-TC.DWG
LAYOUT NAME - 01
PLOT DATE : 10/11/2021 2:13 PM
PLOT BY : WEIGAND, BEN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

NOTES:
1. EB LA CROSSE ST WILL BE A STOP CONDITION TO CONTROL RIGHT TURN MOVEMENT ONTO SB WEST AVE.

2. SINGLE LANE CLOSURE WILL BE USED TO MOVE EB TRAFFIC TO OUTSIDE LANE PRIOR TO LA CROSSE ST (STH 16) AND STH 35 INTERSECTION.

2ND ST N
3RD ST N
7TH ST N
LA CROSSE ST/STH 16
MB
8TH ST N
PLACE PCMS SIGN IN PARKING LANE.

7 DAYS PRIOR TO CLOSURE AT WEST AVE NOTIFYING TRAFFIC OF UPCOMING CLOSURE.
[ROADWORK]
[STARTING]
[XX/XX/XX]

DURING CLOSURE PCMS SIGN TO NOTIFY TRAFFIC OF RIGHT TURN ONLY AT WEST AVE AND NO LEFT OF THRU MOVEMENTS ALLOWED
[RT TURN]
[ONLY AT]
[WEST AVE]

3RD ST N
4TH ST N

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)

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NOTES:
1. EB LA CROSSE ST WILL BE A STOP CONDITION TO CONTROL RIGHT TURN MOVEMENT ONTO SB WEST AVE.

2. SINGLE LANE CLOSURE WILL BE USED TO MOVE EB TRAFFIC TO OUTSIDE LANE PRIOR TO LA CROSSE ST (STH 16) AND STH 35 INTERSECTION.

8TH PL
9TH ST N
10TH ST N
11TH ST N
12TH ST N
LANG ST/STH 35
WEST AVE N/STH 35
LA CROSSE ST/STH 16
400'
200'
125'LANE CLOSURE TAPER
55'BUFFER
LT LANE CLOSED RT TURN ONLY ONTO WEST AVE
W1-6 48"X24"
LANE CLOSED R11-2L 48"X30"
RIGHT TURN ONLY R3-53R 24"X30"
ROAD WORK AHEAD W20-2A
W04-2L
STOP R1-1 36"X36"
EAST SIDEWALK ON WEST AVENUE CLOSED FROM BADGER STREET TO LA CROSSE STREET (STH 16)

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PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	TRAFFIC CONTROL - WEST AVE WEST APPROACH STAGE 1A	SHEET 113	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\7575073\SHEETSPLAN\025102-TC.DWG
LAYOUT NAME - 02
PLOT DATE : 10/11/2021 2:13 PM
PLOT BY : WEIGAND, BEN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

NOTES:
1. SIDEWALK WILL BE CLOSED ON THE EAST SIDE OF WEST AVE. CROSS PEDS AT BADGER ROAD FROM EAST TO WEST SIDEWALK.

2. FULL INTERSECTION CLOSURE WILL BE USED FOR NB WEST AVE TRAFFIC. LOCAL TRAFFIC ONLY CLOSURE WILL BE AT MAIN ST.

CAMERON AVE

CASS ST

200' FROM LANE CLOSURE TAPER BEGIN

ROAD WORK AHEAD W20-1A

LEFT LANE CLOSED AHEAD W20-5A

W04-2L

WEST AVE S/STH 35

MATCHLINE

200' 200'

DETOUR AHEAD W20-2A

DETOUR SIGNS SHOWN FOR LOCATION INFORMATION ONLY - SEE DETOUR PLAN FOR MORE DETAILS

PLACE PCMS SIGN SOUTH OF MAIN ST IN CLOSED MEDIAN AT KING ST

7 DAYS PRIOR TO CLOSURE OF WEST AVE INTERSECTION NOTIFYING TRAFFIC OF UPCOMING CLOSURE.
[ROADWORK]
[STARTING]
[XX/XX/XX]

DURING CLOSURE INFORMING NB TRAFFIC OF INTERSECTION CLOSURE AT LA CROSSE ST AND WEST AVE. USE DETOUR AT MAIN ST.
[ROAD] [WEST AVE]
[CLOSED] [USE]
[AT] [DETOUR]

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)

KING ST

MATCHLINE

MB

BEGIN LEFT TURN LANE R3-20L 24"X36"

WO12-1D 48"X48"

MAIN ST

DETOUR ROUTE USES MAIN STREET:
SEE DETOUR PLAN FOR WEST AVE INTERSECTION CLOSURE

FIXED MESSAGE SIGN

ACCESS TO BADGER ST R10-60 (MOD) 60"X30"

125'LANE CLOSURE TAPER

55'BUFFER

DETOUR NORTH 35 M4-8 24"X12" M3-1 24"X12" M1-6 24"X24" M5-1R 21"X21"

DETOUR SIGNS SHOWN FOR LOCATION INFORMATION ONLY - SEE DETOUR PLAN FOR MORE DETAILS

DETOUR NORTH 35 M4-8 24"X12" M3-1 24"X12" M1-6 24"X24" M6-1 21"X21"

RIGHT TURN ONLY R3-53R 24"X30"

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

STATE ST

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

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

WEST AVE N/STH 35

VINE ST

NOTES:
1. SIDEWALK WILL BE CLOSED ON THE EAST SIDE OF WEST AVE. CROSS PEDS AT BADGER ROAD FROM EAST TO WEST SIDEWALK.

2. FULL INTERSECTION CLOSURE WILL BE USED FOR NB WEST AVE TRAFFIC. LOCAL TRAFFIC ONLY CLOSURE WILL BE AT MAIN ST.

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	TRAFFIC CONTROL - WEST AVE SOUTH APPROACH STAGE 1A	SHEET 114 E

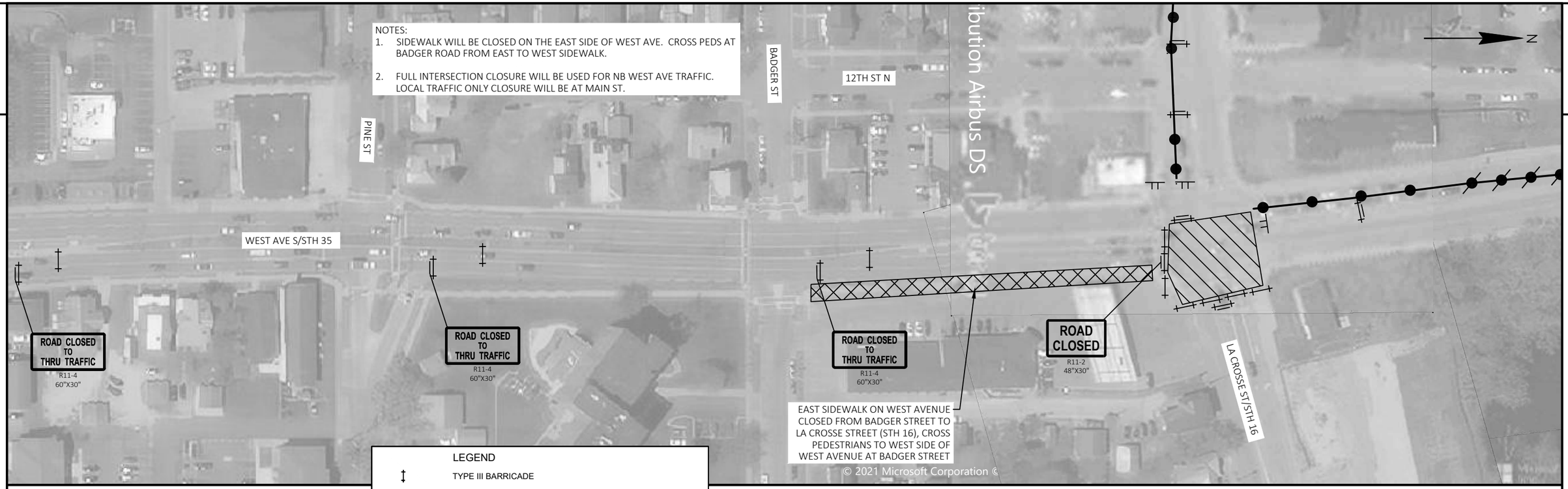
FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\7575073\SHEETSPLAN\025102-TC.DWG
LAYOUT NAME - 05

PLOT DATE : 10/11/2021 2:13 PM PLOT BY : WEIGAND, BEN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

NOTES:
1. SIDEWALK WILL BE CLOSED ON THE EAST SIDE OF WEST AVE. CROSS PEDS AT BADGER ROAD FROM EAST TO WEST SIDEWALK.

2. FULL INTERSECTION CLOSURE WILL BE USED FOR NB WEST AVE TRAFFIC. LOCAL TRAFFIC ONLY CLOSURE WILL BE AT MAIN ST.



LEGEND

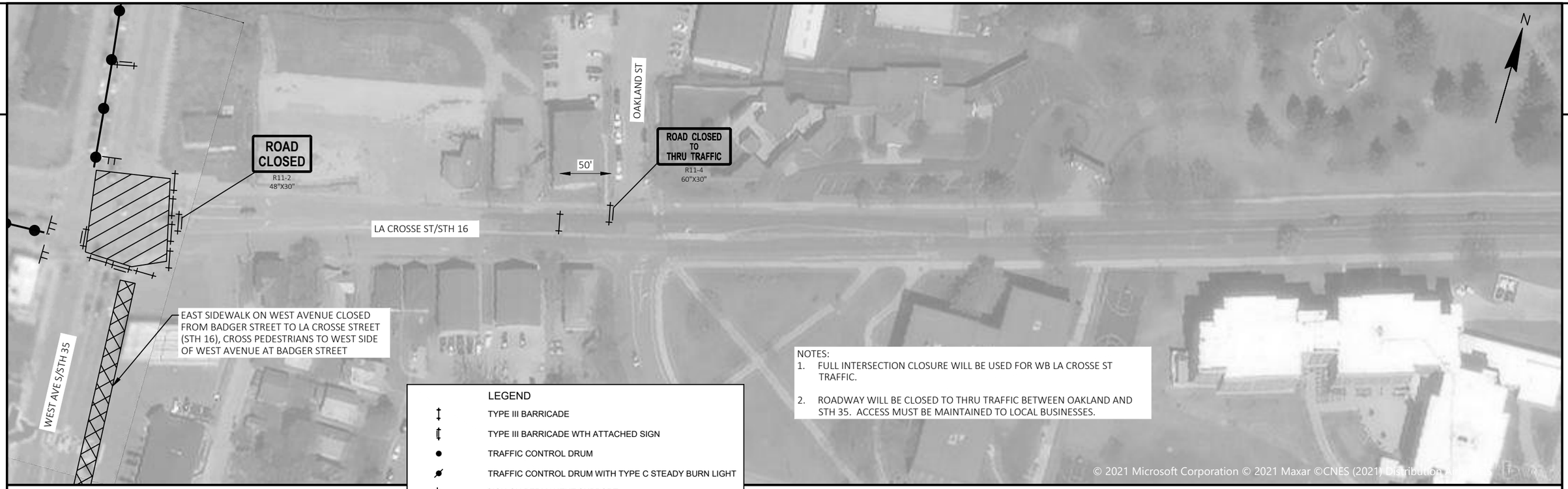
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	TRAFFIC CONTROL - WEST AVE SOUTH APPROACH STAGE 1A	SHEET 115	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\7575073\SHEETSPLAN\025102-TC.DWG
LAYOUT NAME - 06

PLOT DATE : 10/11/2021 2:13 PM PLOT BY : WEIGAND, BEN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)

NOTES:

1. FULL INTERSECTION CLOSURE WILL BE USED FOR WB LA CROSSE ST TRAFFIC.
2. ROADWAY WILL BE CLOSED TO THRU TRAFFIC BETWEEN OAKLAND AND STH 35. ACCESS MUST BE MAINTAINED TO LOCAL BUSINESSES.

2

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	TRAFFIC CONTROL - WEST AVE EAST APPROACH STAGE 1A	SHEET 116	E

2

2

N

WEST AVE/STH 35

CONC

CONC

POST

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

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

R9-9
30" X 18"
SIDEWALK
CLOSED
TYPE II BARRICADE

BADGER ST

ASPH

PINE ST

BADGER ST

EAST SIDEWALK ON WEST AVENUE CLOSED FROM BADGER STREET TO LA CROSSE STREET (STH 16), CROSS PEDESTRIANS TO WEST SIDE OF WEST AVENUE AT BADGER STREET

PEDESTRIAN DETOUR ROUTE

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)

NOTES:
1. SIDEWALK WILL BE CLOSED ON THE EAST SIDE OF WEST AVE. CROSS PEDS AT BADGER ROAD FROM EAST TO WEST SIDEWALK.
2. STOP CONDITION WILL BE USED TO CONTROL RIGHT TURN MOVEMENT ON EB LA CROSSE ST TO SB WEST AVE AND THRU/RIGHT TURN ON SB WEST AVE.
3. FULL INTERSECTION CLOSURE WILL BE USED FOR NB WEST AVE TRAFFIC. LOCAL TRAFFIC ONLY CLOSURE WILL BE AT MAIN ST.
4. FULL INTERSECTION CLOSURE WILL BE USED FOR WB LA CROSSE ST TRAFFIC.

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PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	TRAFFIC CONTROL - WEST AVE STAGE 1A	SHEET 117	E

2

2

LANE CLOSED
R11-2L
48"X30"

STOP
R1-1
36"X36"

RIGHT TURN ONLY
R3-53R
24"X30"

RIGHT TURN ONLY
R3-53R
24"X30"

R3-2
24"X24"

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

POST

12TH ST N

WEST AVE/STH 35

BP: 99+75.00

11'

3'

4'

CONC

CONC

CONC

CONC

POST

POST

LANG DR/STH 35

LANE CLOSED
R11-2L
48"X30"

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

ROAD CLOSED
R11-2
48"X30"

R9-9
30" X 18"
SIDEWALK CLOSED

TYPE II BARRICADE

EAST SIDEWALK ON WEST AVENUE CLOSED FROM BADGER STREET TO LA CROSSE STREET (STH 16), CROSS PEDESTRIANS TO WEST SIDE OF WEST AVENUE AT BADGER STREET

ROAD CLOSED
R11-2
48"X30"

R9-9
30" X 18"
SIDEWALK CLOSED

TYPE II BARRICADE

LA CROSSE ST/STH 16

100' TOD

100' TOD

CONC

CONC

CONC

CONC

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)

PEDESTRIAN DETOUR ROUTE

NOTES:
1. SIDEWALK WILL BE CLOSED ON THE EAST SIDE OF WEST AVE. CROSS PEDS AT BADGER ROAD FROM EAST TO WEST SIDEWALK.
2. STOP CONDITION WILL BE USED TO CONTROL RIGHT TURN MOVEMENT ON EB LA CROSSE ST TO SB WEST AVE AND THRU/RIGHT TURN ON SB WEST AVE.
3. FULL INTERSECTION CLOSURE WILL BE USED FOR NB WEST AVE TRAFFIC. LOCAL TRAFFIC ONLY CLOSURE WILL BE AT MAIN ST.
4. FULL INTERSECTION CLOSURE WILL BE USED FOR WB LA CROSSE ST TRAFFIC.

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PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	TRAFFIC CONTROL - WEST AVE STAGE 1A	SHEET 118	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\025103-TC.DWG
LAYOUT NAME - 02
PLOT DATE : 10/11/2021 2:13 PM
PLOT BY : WEIGAND, BEN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

NOTES:

- N EAST AVE WILL BE CLOSED TO THRU TRAFFIC BETWEEN FARWELL STREET AND LA CROSSE STREET/STH 16 FOR THE DURATION OF STAGE 1B AND STAGE 2A.
- MAINTAIN ACCESS AT ALL TIMES TO NORTH APPROACH OF N EAST AVE.
- UTILIZE FLAGGERS WHEN NECESSARY TO COMPLETE WORK WHILE MAINTAINING A MINIMUM 1 LANE OF ACCESS TO NORTH APPROACH OF N EAST AVE. 2 LANES OF TRAFFIC SHOWN WILL BE UTILITIZED WHEN FLAGGER OPERATIONS ARE NOT REQUIRED.
- TRAFFIC CAN BE PLACED ON BASE AGGREGATE FOR NO LONGER THAN 3 DAYS OTHERWISE TEMPORARY ASPHALT SHALL BE INSTALLED IN TRAFFIC LANES.
- INSTALL PROPOSED SANITARY AND WATER MAIN TO EXTENT PRACTICAL WHICH WILL ALLOW FOR CONNECTION AND CONTINUATION OF INSTALLATIONS, TO THE EAST, WHEN TRAFFIC IS FLIPPED FOR STAGE 2.
- INSTALL NW & SW PROPOSED STORM SEWER, CURB & GUTTER, CURB RAMPS, SIGNAL BASES AND CONDUIT AND ANY OTHER UNDERGROUND UTILITIES TO EXTENT PRACTICAL WHICH WILL ALLOW FOR CONNECTION AND CONTINUATION OF INSTALLATION IN STAGE 2A.
- PEDESTRIANS DURING STAGE 1B WILL UTILIZE THE EXISTING EAST CURB RAMPS, AT THE INTERSECTION, FOR NORTH SOUTH PEDESTRIAN MOVEMENTS.

FARWELL ST

N EAST AVE

LA CROSSE ST/ STH 16

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

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

ROAD CLOSED
R11-2
48"X30"

WO1-6
48"X24"

R9-9
30" X 18"
SIDEWALK CLOSED
TYPE II BARRICADE

STOP
R1-1
36"X36"

TEMPORARY MARKING STOP
LINE PAINT 18-INCH
REMOVE AFTER STAGE
USING MARKING REMOVAL
WATER BLASTING WIDE

DOUBLE YELLOW
TEMPORARY MARKING LINE PAINT 4-INCH
REMOVE CENTERLINE PAVEMENT
MARKING AFTER STAGE ONLY WHERE
EXISTING PAVEMENT WILL NOT BE
REMOVED IN STAGE 2A USING MARKING
REMOVAL WATER BLASTING 4-INCH

TEMPORARY MARKING STOP
LINE PAINT 18-INCH

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)

STAGE 1B - EAST AVE

STAGE 1 - WEST AVE TO EAST AVE

PEDESTRIAN ROUTE

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 1B	SHEET 119	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\025104-TC.DWG
LAYOUT NAME - 01
PLOT DATE : 10/11/2021 2:14 PM PLOT BY : WEIGAND, BEN PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

NOTES:

- N EAST AVE WILL BE CLOSED TO THRU TRAFFIC BETWEEN FARWELL STREET AND LA CROSSE STREET/STH 16 FOR THE DURATION OF STAGE 1B AND STAGE 2A.
- MAINTAIN ACCESS AT ALL TIMES TO NORTH APPROACH OF N EAST AVE.
- UTILIZE FLAGGERS WHEN NECESSARY TO COMPLETE WORK WHILE MAINTAINING A MINIMUM 1 LANE OF ACCESS TO NORTH APPROACH OF N EAST AVE. 2 LANES OF TRAFFIC SHOWN WILL BE UTILITIZED WHEN FLAGGER OPERATIONS ARE NOT REQUIRED.
- TRAFFIC CAN BE PLACED ON BASE AGGREGATE FOR NO LONGER THAN 3 DAYS OTHERWISE TEMPORARY ASPHALT SHALL BE INSTALLED IN TRAFFIC LANES.
- CONTINUE SANITARY INSTALLATION WHERE STAGE 1B TERMINATED.
- INSTALL NE & SE PROPOSED STORM SEWER, CURB & GUTTER, CURB RAMPS, SIGNAL BASES AND CONDUIT AND ANY OTHER UNDERGROUND UTILITIES NOT PLACED IN STAGE 1 B.
- ONCE ALL WORK IS COMPLETED PAVE PROPOSED HMA PAVEMENT STRUCTURE AT INTERSECTION PRIOR TO PROCEEDING WITH STAGE 2 FROM N EAST AVE TO HILLVIEW AVE CONSTRUCTION.
- PEDESTRIANS DURING STAGE 2A WILL UTILIZE THE WEST CURB RAMPS AT THE INTERSECTION FOR NORTH SOUTH MOVEMENTS. TEMPORARY PEDESTRIAN CURB RAMP WILL BE NEEDED AT THE NORTHEAST QUADRANT WHILE THE NORTHEAST QUADRANT CURB RAMP AND CURB & GUTTER ARE BEING CONSTRUCTED.

FARWELL ST

N EAST AVE

N EAST AVE

LA CROSSE ST/ STH 16

TEMPORARY MARKING STOP LINE PAINT 18-INCH REMOVE AFTER STAGE USING MARKING REMOVAL WATER BLASTING WIDE

R9-9 24" X 12" SIDEWALK CLOSED

TYPE II BARRICADE

STOP R1-1 36"X36"

WO1-6 48"X24"

DOUBLE YELLOW TEMPORARY MARKING LINE PAINT 4-INCH REMOVE AFTER STAGE USING MARKING REMOVAL WATER BLASTING 4-INCH

STOP R1-1 36"X36"

TEMPORARY MARKING STOP LINE PAINT 18-INCH REMOVE AFTER STAGE USING MARKING REMOVAL WATER BLASTING WIDE

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

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

ROAD CLOSED R11-2 48"X30"

ROAD CLOSED R11-2 48"X30"

WO1-6 48"X24"

PLACE TEMPORARY PEDESTRIAN CURB RAMP TO CONNECT EXISTING SIDEWALK TO ACCOMMODATE EAST WEST PEDESTRIAN MOVEMENTS DURING CONSTRUCTION

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

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)

STAGE 2A - EAST AVE

STAGE 2 - EAST AVE TO HILLVIEW AVE

PEDESTRIAN ROUTE

N

2

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	TRAFFIC CONTROL - STAGE 2A	SHEET 120	E

2

2

N

MAIN ST

STATE ST

VINE ST

LOSEY BLVD N

PINE ST

HACKBERRY LN

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)

WO1-6 48"X24"

LANE CLOSED R11-2L 48"X30"

25'

50'

200'

200'

200'

500' BUFFER TO CROSSOVER

125' LANE CLOSURE TAPER

ROAD WORK AHEAD W20-1A

LEFT LANE CLOSED AHEAD W20-5A

W04-2L

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LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- MB PORTABLE CHANGEABLE MESSAGE BOARD

NOTES:

- USE TRAFFIC CONTROL DRUMS WITH TYPE C STEADY BURN LIGHT SPACED AT 25' IN LANE CLOSURE TAPERS.
- USE TRAFFIC CONTROL DRUMS SPACED AT 50' IN TANGENT LOCATIONS WHEN NOT DIRECTLY NEXT TO OPPOSING TRAFFIC.
- USE TRAFFIC CONTROL FLEXIBLE TUBULAR MARKERS SPACED AT 25' IN LOCATIONS WHEN OPPOSING TRAFFIC LANES ARE NEXT TO EACHOTHER.

N

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

R9-9 24" X 12" SIDEWALK CLOSED

TYPE II BARRICADE

LA CROSSE ST/STH 16

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

PLACE SIDEWALK CLOSED SIGN AND TYPE II BARRICADE AND SIDEWALK CLOSED AHEAD CROSS HERE SIGN AND TYPE II BARRICADE AT THE NORTH SOUTH CROSSING THAT IS CURRENTLY IN USE AT THE N 24TH ST INTERSECTION AND DIRECT PEDESTRIANS TO SOUTH SIDEWALK ON LA CROSSE ST. BARRICADE AND SIGN NEED TO BE ADJUSTED TO COORDINATE WITH ALTERNATING NORTH/SOUTH CROSSINGS AT INTERSECTIONS. SEE TRAFFIC CONTROL NOTES ON OVERVIEW SHEETS AND SPECIAL PROVISIONS FOR ALTERNATING NORTH/SOUTH PEDESTRIAN CROSSING INFORMATION.

END ROAD WORK G20-2A 48"X24"

CROWLEY PL

WO1-6 48"X24"

LOSEY BLVD N

50'

250' SHIFTING TAPER

500' BUFFER TO CROSSOVER

LANE CLOSED R11-2L 48"X30"

LOSEY CT

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)

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

RIGHT TURN ONLY R3-53R 24"X30"

EDGEWOOD PL

ROAD CLOSED R11-2 48"X30"

LOSEY BLVD N

STH 16

PEDESTRIAN DETOUR ROUTE

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	TRAFFIC CONTROL - LOSEY BLVD SOUTH APPROACH STAGE 3A	SHEET 121	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\025106-TC.DWG
LAYOUT NAME - 01

PLOT DATE : 10/11/2021 2:15 PM PLOT BY : WEIGAND, BEN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

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

ROAD CLOSED
R11-2
48"X30"

W1-4R
36"X36"

LOSEY BLVD N

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)

ROAD CLOSED
R11-2
48"X30"

50'

WO1-6
48"X24"

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

QUARRY RD

LANE CLOSED
R11-2L
48"X30"

STH 16

EDGEWOOD PL

50'

640' SHIFTING TAPER

500' BUFFER TO CROSSOVER

RIGHT TURN ONLY
R3-53R
24"X30"

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)

END ROAD WORK
G20-2A
48"X24"

N

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

NOTES:

- USE TRAFFIC CONTROL DRUMS WITH TYPE C STEADY BURN LIGHT SPACED AT 25' IN LANE CLOSURE TAPERS.
- USE TRAFFIC CONTROL DRUMS SPACED AT 50' IN TANGENT LOCATIONS WHEN NOT DIRECTLY NEXT TO OPPOSING TRAFFIC.
- USE TRAFFIC CONTROL FLEXIBLE TUBULAR MARKERS SPACED AT 25' IN LOCATIONS WHEN OPPOSING TRAFFIC LANES ARE NEXT TO EACHOTHER.

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LANE CLOSED
R11-2L
48"X30"

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

50'

WO1-6
48"X24"

25'

500' BUFFER TO CROSSOVER

320' LANE CLOSURE TAPER

STH 16

WO4-2R

RIGHT LANE CLOSED AHEAD
W20-5A

ROAD WORK AHEAD
W20-1A

350'

350'

350'

N

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PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	TRAFFIC CONTROL - LOSEY BLVD NORTH APPROACH STAGE 3A	SHEET 122	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\025106-TC.DWG
LAYOUT NAME - 02
PLOT DATE : 10/11/2021 2:15 PM PLOT BY : WEIGAND, BEN PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

LEGEND

- TYPE II BARRICADE WITH/WITHOUT ATTACHED SIGN
- TYPE III BARRICADE WTH/WITHOUT 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
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- MB PORTABLE CHANGEABLE MESSAGE BOARD

N

CROWLEY PL

EXISTING CROSSWALK

END ROAD WORK
G20-2A
48"X24"

LOSEY BLVD N

SITE 1

MB

ROAD WORK AHEAD
W20-1A

LEFT LANE CLOSED AHEAD
W20-5A

LOSEY CT

COVER EXISTING SIGN

W04-2L

200' 200' 200'

125' LANE CLOSURE TAPER

ROAD CLOSED
00 MILES AHEAD
LOCAL TRAFFIC ONLY
R11-3
60"X30"

LA CROSSE ST/STH 16

ROAD CLOSED
R11-2
48"X30"

SIDEWALK CLOSED AHEAD
CROSS HERE
R9-11
48"X30"

LANE CLOSED
R11-2L
48"X30"

50'

SIDEWALK CLOSED AHEAD
CROSS HERE
R9-11
48"X30"

WO5-52L
12"X36"

25'

LANE CLOSED
R11-2L
48"X30"

50'

WO5-52L
12"X36"

50'

50'

EDGEWOOD PL

M4-8A
24"X18"
M3-2
24"X12"
M1-6
24"X24"

END DETOUR EAST 16

SIDEWALK CLOSED AHEAD
CROSS HERE
R9-11
48"X30"

RIGHT TURN ONLY
R3-53R
24"X30"

DETOUR M4-8 24"X12" WEST 16

LOSEY BLVD N

320' LANE CLOSURE TAPER

500'

500'

MO6-1
21"X21"

50'

25'

25'

EDGEWOOD PL

LANE CLOSED
R11-2L
48"X30"

RIGHT TURN ONLY
R3-53R
24"X30"

N

W04-2L

QUARRY RD

STH 16

DETOUR M4-8 24"X12" WEST 16

MO6-1
21"X21"

END ROAD WORK
G20-2A
48"X24"

WISCONSIN
JAY P. WHEATON
E-36779
LA CROSSE, WI
PROFESSIONAL ENGINEER

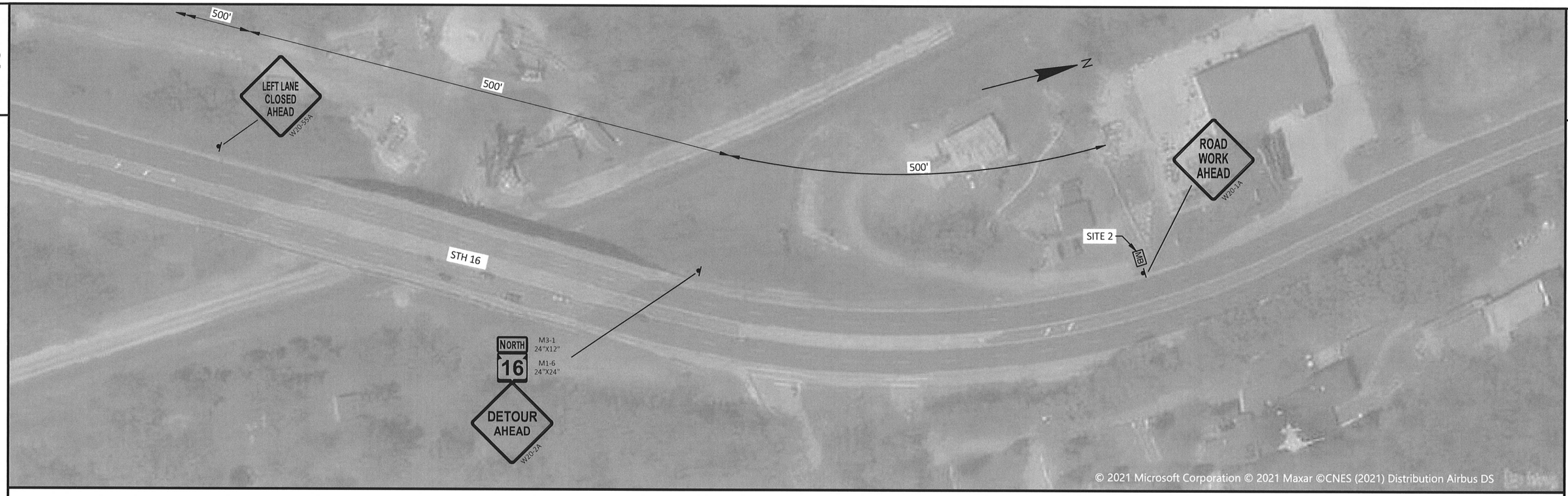
10/19/21

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PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	TRAFFIC CONTROL STAGE 2B - LOSEY BLVD	SHEET 123 E

FILE NAME : X:\1203500\192601.01\TECH\CAD\75750773\SHEETSPLAN\025110_TC.DWG
LAYOUT NAME - 10

PLOT DATE : 10/18/2021 10:58 AM PLOT BY : JEFF BREU PLOT NAME : PLOT SCALE : ##########



GENERAL NOTES FOR CHANGEABLE MESSAGE SIGNS

PCMS = PORTABLE CHANGEABLE MESSAGE BOARD

CONSIDER ROADWAY GEOMETRY WHEN LOCATION MESSAGE SIGNS. PLACE THE SIGNS SO THE DRIVER HAS CLEAR VIEW OF THE SIGN FOR A MINIMUM OF 1,000 FEET. PCMS BOARD LOCATIONS TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

MESSAGE SIGNS SHOULD BE PLACED AS FAR AWAY FROM THE LIVE TRAFFIC LANES AS POSSIBLE WITHOUT HAMPERING VISIBILITY.

IF POSSIBLE, THE SIGNS SHOULD BE PLACED ON THE BACKSLOPE BEYOND THE DITCH. THE LOCATION SHOULD BE AT OR SLIGHTLY ABOVE ELEVATION OF ROADWAY.

WHERE SITE CONDITIONS DO NOT ALLOW FOR BACKSLOPE PLACEMENT, SIGNS MAY BE PLACED ON THE SHOULDERS. THE SITE SHOULD BE VISITED TO ASSURE VISIBILITY, SAFETY AND MAINTENANCE CONSIDERATIONS. A TAPER OF REFLECTIVE DRUMS OF BARRICADES SHOULD BE PLACED AHEAD OF A PCMS THAT IS PLACED ON THE SHOULDER IF IT IS NOT SHIELDED BY A BARRIER.

SITE 1 AND SITE 2 MESSAGE SIGNS ARE TO BE IN PLACE AND DISPLAYING THE "PRIOR TO CONSTRUCTION" MESSAGE FOR SEVEN DAYS PRIOR TO THE EXPECTED START OF WORK ON LOSEY BLVD AND LA CROSSE AVE INTERSECTION

PCMS SITE NO.	7 DAYS PRIOR TO CONSTRUCTION	
	Phase 1 (3 Sec)	Phase 2 (3 Sec)
SITE 1 - LOSEY BLVD NB (SOUTH END OF TC LIMITS)	ROAD WORK STARTING	(DAY) (DATE)
SITE 2 - STH 16 SB (NORTH END OF TC LIMITS)	ROAD WORK STARTING	(DAY) (DATE)

LEGEND

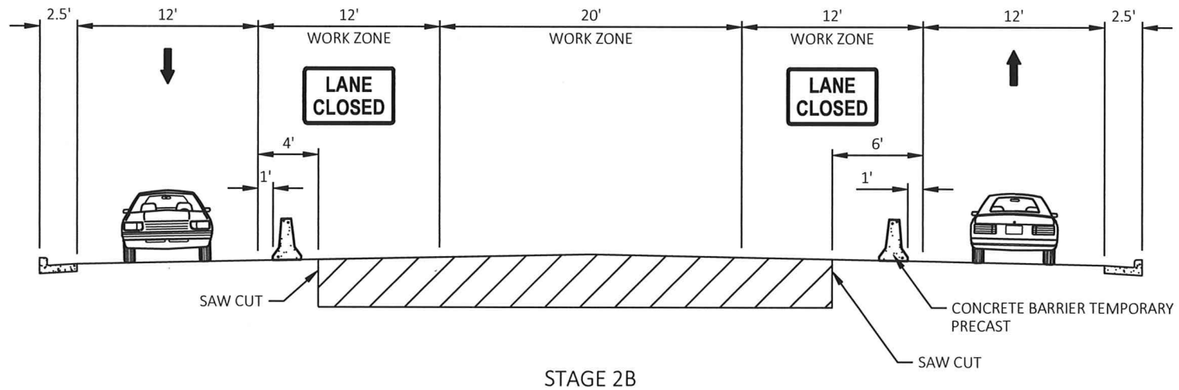
- TYPE II BARRICADE WITH/WITHOUT ATTACHED SIGN
- TYPE III BARRICade WTH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

WISCONSIN
JAY P. WHEATON
E-36770
LA CROSSE, WI
PROFESSIONAL ENGINEER
10/19/21

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	TRAFFIC CONTROL STAGE 2B- LOSEY BLVD	SHEET 124 E

FILE NAME : X:\1203500\192601.01\TECH\CAD\75750773\SHEETSPLAN\025110_TC.DWG
LAYOUT NAME - 11
PLOT DATE : 10/18/2021 10:59 AM PLOT BY : JEFF BREU PLOT NAME : PLOT SCALE : ##########

2



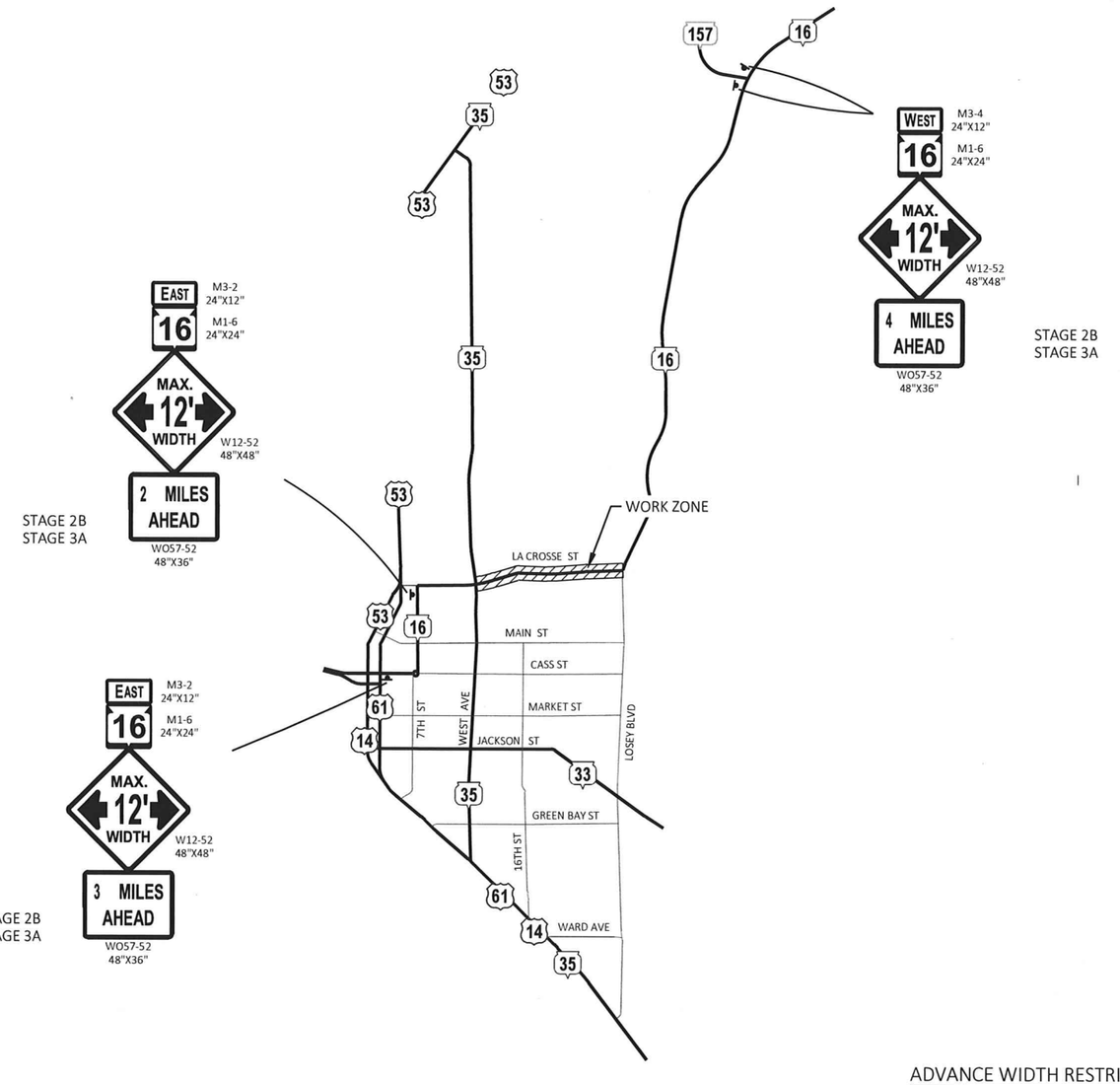
STAGE 2B
TRAFFIC CONTROL TYPICAL SECTION
LA CROSSE ST AND LOSEY BLVD

WISCONSIN
JAY P. WHEATON
E-36779
LA CROSSE, WI
PROFESSIONAL ENGINEER
10/19/21

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	TRAFFIC CONTROL STAGE 2B TYPICAL SECTION	SHEET 125 E

FILE NAME : X:\1203500\192601.01\TECH\CAD\75750773\SHEETSPLAN\025115_TC.DWG
LAYOUT NAME - 025115_tc
PLOT DATE : 10/18/2021 10:59 AM PLOT BY : JEFF BREU PLOT NAME : PLOT SCALE : 1 IN:10 FT

2



N

ADVANCE WIDTH RESTRICTION SIGNING

SEE SDD TRAFFIC CONTROL ADVANCE WIDTH RESTRICTION SIGNING FOR ADDITION INFORMATION

WISCONSIN
JAY P. WHEATON
E-36779
LA CROSSE, WI
PROFESSIONAL ENGINEER

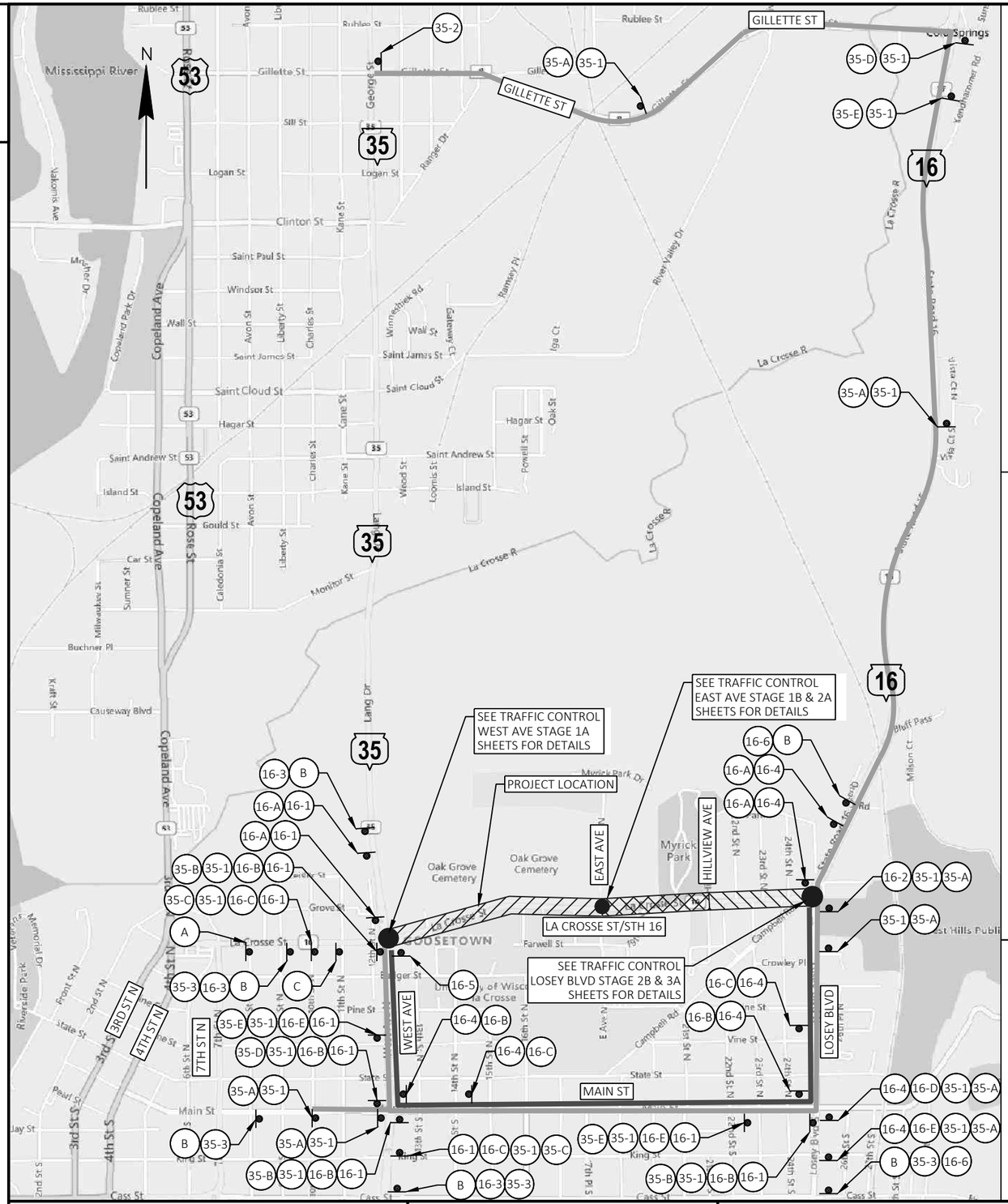
10/19/21

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	TRAFFIC CONTROL	SHEET 126 E

FILE NAME : X:\1203500\192601.01\TECH\CAD\75750773\SHEETSPLAN\025116_TC.DWG
LAYOUT NAME - 025116_tc

PLOT DATE : 10/20/2021 9:49 AM PLOT BY : JEFF BREU PLOT NAME : PLOT SCALE : 1 IN:1 MI

WISDOT/CADDS SHEET 42



SIGNS FOR DETOUR ROUTE (LA CROSSE ST/STH 16)

16-1	DETOUR EAST 16	M4-8 24"X12" M3-2 24"X12" M1-6 24"X24"	16-4	DETOUR WEST 16	M4-8 24"X12" M3-4 24"X12" M1-6 24"X24"	16-A	M6-1 21"X21"
16-2	END DETOUR EAST 16	M4-8A 24"X18" M3-2 24"X12" M1-6 24"X24"	16-5	END DETOUR WEST 16	M4-8A 24"X18" M3-4 24"X12" M1-6 24"X24"	16-B	M6-1 21"X21"
16-3	EAST 16	M3-2 24"X12" M1-6 24"X24"	16-6	WEST 16	M3-4 24"X12" M1-6 24"X24"	16-C	M5-1R 21"X21"
						16-D	M6-1 21"X21"
						16-E	M5-1L 21"X21"

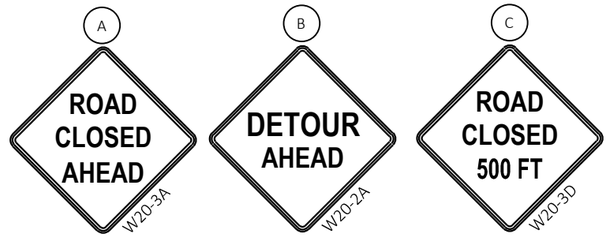
SIGNS FOR DETOUR ROUTE (STH 35 NORTHBOUND)
PLACE THESE SIGNS ONLY DURING WEST AVE INTERSECTION CLOSURE

35-1	DETOUR NORTH 35	M4-8 24"X12" M3-1 24"X12" M1-6 24"X24"	35-A	M6-1 21"X21"		35-D	M6-1 21"X21"
35-2	END DETOUR NORTH 35	M4-8A 24"X18" M3-1 24"X12" M1-6 24"X24"	35-B	M6-1 21"X21"		35-E	M5-1L 21"X21"
35-3	NORTH 35	M3-1 24"X12" M1-6 24"X24"	35-C	M5-1R 21"X21"			

LEGEND

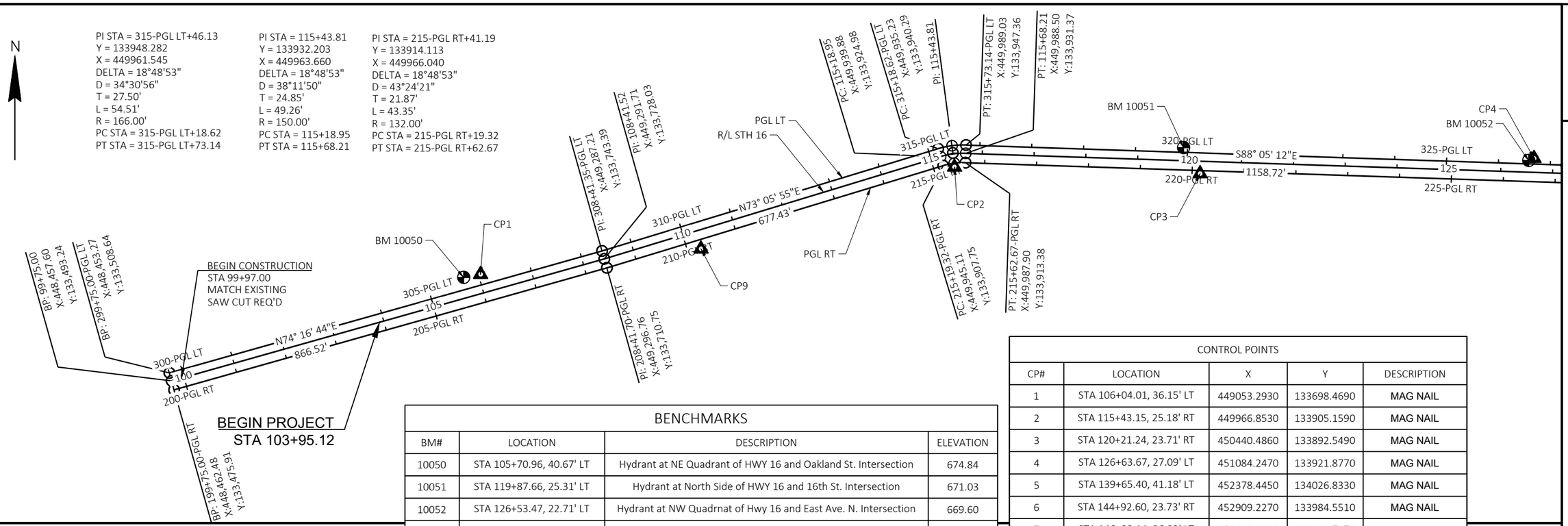
- INTERSECTION STAGING
- DETOUR ROUTE (STH 35 NB - STAGE 1A)
- DETOUR ROUTE (LA CROSSE ST/STH 16)
- STAGE 1
- STAGE 2
- STAGE 3
- POST MOUNTED SIGN
- (X) DETOUR SIGN

UNIVERSAL SIGNS FOR DETOUR ROUTES



PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	DETOUR PLAN - LA CROSSE ST & STH 35 NB	SHEET 127	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\7575073\SHEETSPLAN\027001-DT.DWG
LAYOUT NAME - 01
PLOT DATE : 10/11/2021 2:15 PM
PLOT BY : WEIGAND, BEN
PLOT NAME :
PLOT SCALE : 1 IN:1500 FT
WISDOT/CADDS SHEET 42

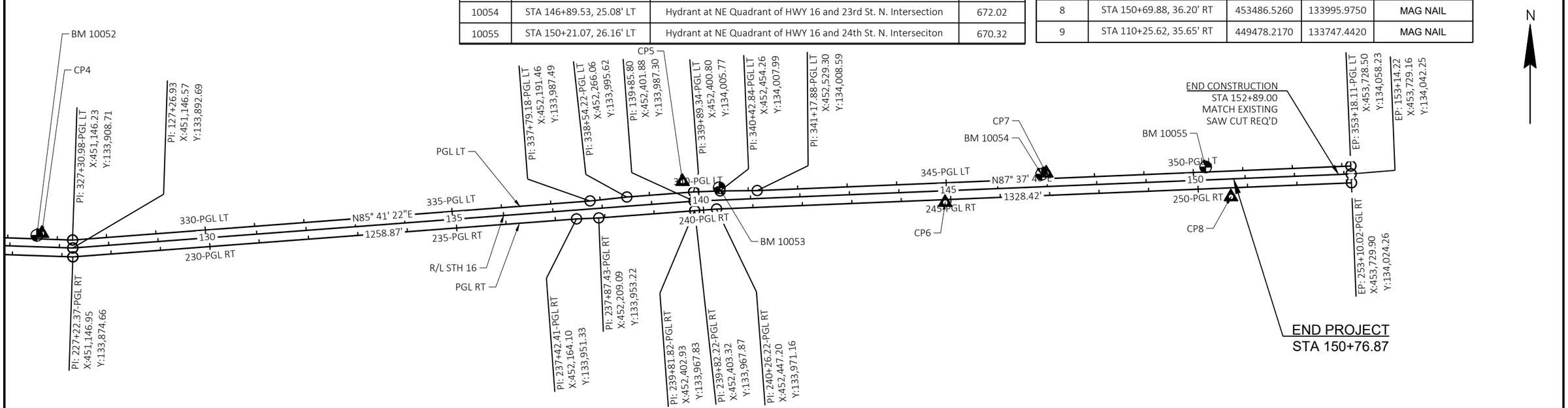


BENCHMARKS

BM#	LOCATION	DESCRIPTION	ELEVATION
10050	STA 105+70.96, 40.67' LT	Hydrant at NE Quadrant of HWY 16 and Oakland St. Intersection	674.84
10051	STA 119+87.66, 25.31' LT	Hydrant at North Side of HWY 16 and 16th St. Intersection	671.03
10052	STA 126+53.47, 22.71' LT	Hydrant at NW Quadrnat of Hwy 16 and East Ave. N. Intersection	669.60
10053	STA 140+37.56, 24.75' LT	Hydrant at NE Quadrant of HWY 16 and Hillview Ave. Intersection	675.47
10054	STA 146+89.53, 25.08' LT	Hydrant at NE Quadrant of HWY 16 and 23rd St. N. Intersection	672.02
10055	STA 150+21.07, 26.16' LT	Hydrant at NE Quadrant of HWY 16 and 24th St. N. Interseciton	670.32

CONTROL POINTS

CP#	LOCATION	X	Y	DESCRIPTION
1	STA 106+04.01, 36.15' LT	449053.2930	133698.4690	MAG NAIL
2	STA 115+43.15, 25.18' RT	449966.8530	133905.1590	MAG NAIL
3	STA 120+21.24, 23.71' RT	450440.4860	133892.5490	MAG NAIL
4	STA 126+63.67, 27.09' LT	451084.2470	133921.8770	MAG NAIL
5	STA 139+65.40, 41.18' LT	452378.4450	134026.8330	MAG NAIL
6	STA 144+92.60, 23.73' RT	452909.2270	133984.5510	MAG NAIL
7	STA 146+99.14, 26.93' LT	453113.4940	134043.7170	MAG NAIL
8	STA 150+69.88, 36.20' RT	453486.5260	133995.9750	MAG NAIL
9	STA 110+25.62, 35.65' RT	449478.2170	133747.4420	MAG NAIL



7575-07-73

Line	Item	Item Description	Unit	Total	Qty
0002	201.0120	Clearing	ID	1,461.000	1,461.000
0004	201.0220	Grubbing	ID	1,461.000	1,461.000
0006	204.0100	Removing Concrete Pavement	SY	21,518.000	21,518.000
0010	204.0115	Removing Asphaltic Surface Butt Joints	SY	437.000	437.000
0014	204.0150	Removing Curb & Gutter	LF	9,880.000	9,880.000
0016	204.0155	Removing Concrete Sidewalk	SY	1,784.000	1,784.000
0018	204.0195	Removing Concrete Bases	EACH	11.000	11.000
0020	204.0210	Removing Manholes	EACH	22.000	22.000
0022	204.0220	Removing Inlets	EACH	39.000	39.000
0024	204.0245	Removing Storm Sewer (size) 001. 8-Inch	LF	286.000	286.000
0026	204.0245	Removing Storm Sewer (size) 002. 12-Inch	LF	3,327.000	3,327.000
0034	204.0246	Removing Ancillary Structure (structure) 001. 125+00 RT	EACH	1.000	1.000
0036	204.0246	Removing Ancillary Structure (structure) 002. 129+25 LT	EACH	1.000	1.000
0038	204.0246	Removing Ancillary Structure (structure) 003. 148+80 CL	EACH	1.000	1.000
0044	204.9060.S	Removing (item description) 002. Traffic Signals (East Ave & La Crosse St)	EACH	1.000	1.000
0046	205.0100	Excavation Common	CY	13,712.000	13,712.000
0048	208.0100	Borrow	CY	14.000	14.000
0054	213.0100	Finishing Roadway (project) 002. 7575-07-73	EACH	1.000	1.000
0056	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	16,704.000	16,704.000
0060	415.0090	Concrete Pavement 9-Inch	SY	1,491.000	1,491.000
0064	416.0170	Concrete Driveway 7-Inch	SY	548.000	548.000
0066	416.0610	Drilled Tie Bars	EACH	461.000	461.000
0068	416.0620	Drilled Dowel Bars	EACH	80.000	80.000
0070	450.4000	HMA Cold Weather Paving	TON	1,337.000	1,337.000
0072	455.0605	Tack Coat	GAL	943.000	943.000
0074	460.2000	Incentive Density HMA Pavement	DOL	3,390.000	3,390.000
0076	460.6223	HMA Pavement 3 MT 58-28 S	TON	3,170.000	3,170.000
0078	460.6424	HMA Pavement 4 MT 58-28 H	TON	2,114.000	2,114.000
0080	465.0105	Asphaltic Surface	TON	38.000	38.000
0084	520.8000	Concrete Collars for Pipe	EACH	1.000	1.000
0088	601.0419	Concrete Curb & Gutter 30-Inch Type L	LF	1,524.000	1,524.000
0090	601.0600	Concrete Curb Pedestrian	LF	437.000	437.000
0094	602.0410	Concrete Sidewalk 5-Inch	SF	14,295.000	14,295.000
0096	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	594.000	594.000
0100	603.8000	Concrete Barrier Temporary Precast Delivered	LF	550.000	550.000
0102	603.8125	Concrete Barrier Temporary Precast Installed	LF	550.000	550.000
0104	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	962.000	962.000
0106	608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	882.000	882.000
0108	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	378.000	378.000
0110	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	2,934.000	2,934.000
0112	608.0336	Storm Sewer Pipe Reinforced Concrete Class III 36-Inch	LF	201.000	201.000
0114	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	394.000	394.000
0120	608.2319	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 19x30-Inch	LF	150.000	150.000
0122	608.6012	Storm Sewer Pipe Composite 12-Inch	LF	29.000	29.000
0132	618.0100	Maintenance And Repair of Haul Roads (project) 001. 7575-07-73	EACH	1.000	1.000
0134	619.1000	Mobilization	EACH	0.800	0.800
0136	620.0200	Concrete Median Blunt Nose	SF	143.000	143.000
0138	620.0300	Concrete Median Sloped Nose	SF	47.000	47.000
0140	624.0100	Water	MGAL	335.000	335.000

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Line	Item	Item Description	Unit	Total	Qty
0142	625.0100	Topsoil	SY	1,413.000	1,413.000
0144	627.0200	Mulching	SY	1,413.000	1,413.000
0146	628.1504	Silt Fence	LF	500.000	500.000
0148	628.1520	Silt Fence Maintenance	LF	500.000	500.000
0150	628.1905	Mobilizations Erosion Control	EACH	13.000	13.000
0152	628.1910	Mobilizations Emergency Erosion Control	EACH	3.000	3.000
0154	628.2023	Erosion Mat Class II Type B	SY	641.000	641.000
0156	628.7005	Inlet Protection Type A	EACH	3.000	3.000
0158	628.7015	Inlet Protection Type C	EACH	143.000	143.000
0160	629.0205	Fertilizer Type A	CWT	5.000	5.000
0162	630.0130	Seeding Mixture No. 30	LB	5.000	5.000
0164	630.0140	Seeding Mixture No. 40	LB	25.000	25.000
0166	630.0200	Seeding Temporary	LB	6.000	6.000
0168	633.5350	Markers Permanent Flexible	EACH	1.000	1.000
0170	637.2210	Signs Type II Reflective H	SF	275.000	275.000
0172	637.2230	Signs Type II Reflective F	SF	230.000	230.000
0174	638.2102	Moving Signs Type II	EACH	5.000	5.000
0176	638.2602	Removing Signs Type II	EACH	36.000	36.000
0178	638.3000	Removing Small Sign Supports	EACH	64.000	64.000
0180	642.5401	Field Office Type D	EACH	0.800	0.800
0182	643.0300	Traffic Control Drums	DAY	7,794.000	7,794.000
0184	643.0410	Traffic Control Barricades Type II	DAY	2,870.000	2,870.000
0186	643.0420	Traffic Control Barricades Type III	DAY	4,758.000	4,758.000
0188	643.0500	Traffic Control Flexible Tubular Marker Posts	EACH	60.000	60.000
0190	643.0600	Traffic Control Flexible Tubular Marker Bases	EACH	60.000	60.000
0192	643.0705	Traffic Control Warning Lights Type A	DAY	3,766.000	3,766.000
0194	643.0715	Traffic Control Warning Lights Type C	DAY	1,698.000	1,698.000
0196	643.0800	Traffic Control Arrow Boards	DAY	56.000	56.000
0198	643.0900	Traffic Control Signs	DAY	26,933.000	26,933.000
0200	643.0920	Traffic Control Covering Signs Type II	EACH	15.000	15.000
0202	643.1000	Traffic Control Signs Fixed Message	SF	25.000	25.000
0204	643.1050	Traffic Control Signs PCMS	DAY	75.000	75.000
0206	643.5000	Traffic Control	EACH	0.500	0.500
0208	644.1410	Temporary Pedestrian Surface Asphalt	SF	75.000	75.000
0210	644.1420	Temporary Pedestrian Surface Plywood	SF	750.000	750.000
0212	644.1430	Temporary Pedestrian Surface Plate	SF	350.000	350.000
0214	644.1601	Temporary Pedestrian Curb Ramp	DAY	9.000	9.000
0216	644.1810	Temporary Pedestrian Barricade	LF	2,350.000	2,350.000
0220	646.8120	Marking Curb Epoxy	LF	260.000	260.000
0222	646.8220	Marking Island Nose Epoxy	EACH	3.000	3.000
0224	646.9010	Marking Removal Line Water Blasting 4-Inch	LF	650.000	650.000
0228	646.9210	Marking Removal Line Water Blasting Wide	LF	88.000	88.000
0232	649.0105	Temporary Marking Line Paint 4-Inch	LF	725.000	725.000
0234	649.0150	Temporary Marking Line Removable Tape 4-Inch	LF	9,020.000	9,020.000
0238	649.0805	Temporary Marking Stop Line Paint 18-Inch	LF	88.000	88.000
0242	650.4000	Construction Staking Storm Sewer	EACH	97.000	97.000
0244	650.4500	Construction Staking Subgrade	LF	5,363.000	5,363.000
0246	650.5000	Construction Staking Base	LF	5,363.000	5,363.000
0248	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	9,979.000	9,979.000

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Line	Item	Item Description	Unit	Total	Qty
0250	650.7000	Construction Staking Concrete Pavement	LF	598.000	598.000
0254	650.8500	Construction Staking Electrical Installations (project) 002. 7575-07-73	LS	1.000	1.000
0256	650.9000	Construction Staking Curb Ramps	EACH	50.000	50.000
0260	650.9910	Construction Staking Supplemental Control (project) 002. 7575-07-73	LS	1.000	1.000
0262	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	6,962.000	6,962.000
0264	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	871.000	871.000
0270	653.0164	Pull Boxes Non-Conductive 24x42-Inch	EACH	35.000	35.000
0274	653.0905	Removing Pull Boxes	EACH	8.000	8.000
0276	654.0101	Concrete Bases Type 1	EACH	4.000	4.000
0278	654.0102	Concrete Bases Type 2	EACH	4.000	4.000
0280	654.0105	Concrete Bases Type 5	EACH	32.000	32.000
0284	654.0217	Concrete Control Cabinet Bases Type 9 Special	EACH	1.000	1.000
0286	654.0224	Concrete Control Cabinet Bases Type L24	EACH	2.000	2.000
0288	655.0210	Cable Traffic Signal 3-14 AWG	LF	120.000	120.000
0290	655.0230	Cable Traffic Signal 5-14 AWG	LF	343.000	343.000
0292	655.0240	Cable Traffic Signal 7-14 AWG	LF	490.000	490.000
0294	655.0260	Cable Traffic Signal 12-14 AWG	LF	459.000	459.000
0298	655.0305	Cable Type UF 2-12 AWG Grounded	LF	490.000	490.000
0302	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	671.000	671.000
0304	655.0610	Electrical Wire Lighting 12 AWG	LF	5,850.000	5,850.000
0306	655.0615	Electrical Wire Lighting 10 AWG	LF	5,560.000	5,560.000
0308	655.0620	Electrical Wire Lighting 8 AWG	LF	18,230.000	18,230.000
0312	655.0900	Traffic Signal EVP Detector Cable	LF	293.000	293.000
0314	656.0200	Electrical Service Meter Breaker Pedestal (location) 001. East Ave	LS	1.000	1.000
0316	656.0200	Electrical Service Meter Breaker Pedestal (location) 002. 16th Street	LS	1.000	1.000
0318	656.0200	Electrical Service Meter Breaker Pedestal (location) 003. Hillview Lane	LS	1.000	1.000
0320	657.0100	Pedestal Bases	EACH	4.000	4.000
0322	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	36.000	36.000
0324	657.0310	Poles Type 3	EACH	4.000	4.000
0326	657.0322	Poles Type 5-Aluminum	EACH	32.000	32.000
0332	657.0425	Traffic Signal Standards Aluminum 15-FT	EACH	4.000	4.000
0338	657.0585	Trombone Arms 15-FT	EACH	2.000	2.000
0340	657.0590	Trombone Arms 20-FT	EACH	1.000	1.000
0342	657.0595	Trombone Arms 25-FT	EACH	1.000	1.000
0344	657.0709	Luminaire Arms Truss Type 4-Inch Clamp 12-FT	EACH	4.000	4.000
0346	657.0710	Luminaire Arms Truss Type 4 1/2-Inch Clamp 12-FT	EACH	35.000	35.000
0350	658.0173	Traffic Signal Face 3S 12-Inch	EACH	8.000	8.000
0352	658.0174	Traffic Signal Face 4S 12-Inch	EACH	4.000	4.000
0356	658.0416	Pedestrian Signal Face 16-Inch	EACH	8.000	8.000
0358	658.0500	Pedestrian Push Buttons	EACH	8.000	8.000
0362	658.5069	Signal Mounting Hardware (location) 002. East Ave	LS	1.000	1.000
0364	659.1120	Luminaires Utility LED B	EACH	35.000	35.000
0366	659.1125	Luminaires Utility LED C	EACH	4.000	4.000
0368	659.2124	Lighting Control Cabinets 120/240 24-Inch	EACH	2.000	2.000
0380	690.0150	Sawing Asphalt	LF	653.000	653.000
0382	690.0250	Sawing Concrete	LF	2,102.000	2,102.000
0384	715.0720	Incentive Compressive Strength Concrete Pavement	DOL	523.000	523.000
0386	740.0440	Incentive IRI Ride	DOL	3,548.000	3,548.000
0394	SPV.0035	Special 102. Engineered Soil Planting Bed	CY	570.000	570.000

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Line	Item	Item Description	Unit	Total	Qty
0402	SPV.0060	Special 104. Beehive Catch Basins	EACH	3.000	3.000
0404	SPV.0060	Special 105. Beehive Covers	EACH	3.000	3.000
0406	SPV.0060	Special 106. La Crosse Manhole, Small	EACH	39.000	39.000
0408	SPV.0060	Special 107. La Crosse Manhole Covers, Small	EACH	39.000	39.000
0410	SPV.0060	Special 108. La Crosse Catch Basin A	EACH	86.000	86.000
0412	SPV.0060	Special 109. La Crosse Catch Basin Covers A	EACH	86.000	86.000
0414	SPV.0060	Special 110. Posts Steel U-Channel 14-FT	EACH	84.000	84.000
0416	SPV.0060	Special 111. Install V-Loc Sign Support	EACH	12.000	12.000
0418	SPV.0060	Special 112. Utility Line Opening (ULO)	EACH	5.000	5.000
0420	SPV.0060	Special 113. Connect to Existing Storm Sewer Pipe	EACH	2.000	2.000
0512	SPV.0060	Special 301. Marking Arrow Grooved Epoxy	EACH	34.000	34.000
0514	SPV.0060	Special 302. Marking Word Grooved Epoxy	EACH	1.000	1.000
0516	SPV.0060	Special 303. Marking Symbol Grooved Epoxy	EACH	35.000	35.000
0518	SPV.0060	Special 304. Marking Yield Line Grooved Epoxy 24-Inch	EACH	35.000	35.000
0526	SPV.0060	Special 308. Traffic Signal Controller & Cabinet (East Ave & La Crosse St)	EACH	1.000	1.000
0532	SPV.0060	Special 311. Remove, Salvage, & Reinstall EVP Equipment (East Ave & La Crosse St)	EACH	1.000	1.000
0538	SPV.0060	Special 401. Install State Furnished Video Detection System La Crosse St and East Avenue	EACH	1.000	1.000
0540	SPV.0060	Special 402. Rectangular Rapid Flashing Beacon (Oakland St)	EACH	1.000	1.000
0542	SPV.0060	Special 403. Rectangular Rapid Flashing Beacon (Hillview Ave)	EACH	1.000	1.000
0544	SPV.0090	Special 101. Concrete Curb and Gutter 66-Inch Type L	LF	8,215.000	8,215.000
0546	SPV.0090	Special 102. Concrete Curb and Gutter Mountable 18-Inch	LF	240.000	240.000
0548	SPV.0090	Special 103. Concrete Curb and Gutter 18-Inch Type L	LF	2,248.000	2,248.000
0550	SPV.0090	Special 104. Reinforced Concrete Curb and Gutter	LF	120.000	120.000
0552	SPV.0090	Special 105. 6-Inch Concrete Apron	LF	116.000	116.000
0592	SPV.0090	Special 301. Marking Crosswalk Grooved Epoxy Transverse Line 12-Inch	LF	559.000	559.000
0594	SPV.0090	Special 302. Marking Stop Line Grooved Epoxy 12-Inch	LF	198.000	198.000
0596	SPV.0090	Special 303. Marking Crosswalk Grooved Epoxy Block Style 24-Inch	LF	360.000	360.000
0598	SPV.0090	Special 304. Marking Line Grooved Epoxy 4-Inch	LF	12,149.000	12,149.000
0600	SPV.0090	Special 305. Marking Line Grooved Epoxy 6-Inch	LF	7,289.000	7,289.000
0602	SPV.0090	Special 306. Marking Line Grooved Epoxy 8-Inch	LF	1,345.000	1,345.000
0604	SPV.0165	Special 301. Concrete Raised Median	SF	514.000	514.000
0606	SPV.0180	Special 101. Concrete Pavement SHES 9-Inch	SY	250.000	250.000

3

REMOVALS

LOCATION				204.0100 REMOVING CONCRETE PAVEMENT (SY)	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS (SY)	204.0150 REMOVING CURB & GUTTER (LF)	204.0155 REMOVING CONCRETE SIDEWALK (SY)
097+97	*to*	*103+95*		1397	-	19	-
103+95	*to*	*126+25*		8858	-	4564	510
126+25	*to*	*127+25*		441	-	303	264
127+25	*to*	*140+00*		4626	-	2584	407
140+00	*to*	*150+77*		4233	-	2325	503
140+00	*to*	*150+77*	*Sanitary Removals*	-	-	-	91
150+77	*to*	*151+60*		300	-	85	-
150+77	*to*	*151+60*	*Sanitary Removals*	-	-	-	8
Oakland St				413	70	-	-
East Ave				329	69	-	-
Myrick Park Dr				54	29	-	-
Myrick Park Ln/Hillview Ave				179	57	-	-
22nd St South				121	36	-	-
22nd St North				122	36	-	-
23rd St South				119	36	-	-
23rd St North				134	36	-	-
24th St South				88	34	-	-
24th St North				103	36	-	-
TOTALS				**21518**	**437**	**9880**	**1784**

CLEARING AND GRUBBING

LOCATION			201.0120 CLEARING (ID)	201.0220 GRUBBING (ID)
097+97	*to*	*103+95*	-	-
103+95	*to*	*126+25*	490	490
126+25	*to*	*127+25*	-	-
127+25	*to*	*140+00*	468	468
140+00	*to*	*150+77*	503	503
150+77	*to*	*151+60*	-	-
TOTALS			**1461**	**1461**

3

EARTHWORK

DIVISION	FROM/TO STATION	LOCATION	205.0100 COMMON EXCAVATION (1) CUT (2)	205.0100 COMMON EXCAVATION (1) EBS EXCAVATION	SALVAGED/UNUSABLE PAVEMENT MATERIAL (4)	AVAILABLE MATERIAL (5)	UNEXPANDED FILL	EXPANDED FILL (6) FACTOR 1.25	MASS ORDINATE +/- (7)	WASTE (8)	208.0100 BORROW	COMMENT
DIVISION 1	104+00/127+00		7,067	0	7,067	0	9	11	-11	0	11	
DIVISION 2	127+25/140+00		3,628	0	3,628	0	0	0	0	0	0	
DIVISION 3	140+25/150+50		3,017	0	3,017	0	2	3	-3	0	3	
TOTAL	**104+00/150+50**		**13,712**	**0**	**13,712**	**0**	**11**	**14**	**-14**	**0**	**14**	
	TOTAL COMMON EXC		13,712									

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) EBS EXCAVATION TO BE BACKFILLED WITH SELECT BORROW MATERIAL. NOTE: THIS IS DESIGNERS CHOICE, CAN BE BACKFILLED WITH BORROW, OR CUT AS WELL.
(4) SALVAGED/UNUSABLE PAVEMENT MATERIAL
(5) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUABLE PAVEMENT MATERIAL
(6) EXPANDED FILL FACTOR = 1.25
DEPENDING ON SELECTIONS: **EXPANDED FILL = (UNEXPANDED FILL - EXPANDED ROCK - REDUCED MARSH - REDUCED EBS) * FILL FACTOR**
OR EXPANDED FILL = (UNEXPANDED FILL - EXPANDED ROCK - REDUCED EBS) * FILL FACTOR
OR EXPANDED FILL = (UNEXPANDED FILL - EXPANDED ROCK - REDUCED MARSH) * FILL FACTOR
OR EXPANDED FILL = (UNEXPANDED FILL - EXPANDED ROCK) * FILL FACTOR
(7) 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.
(8) FACTORS USED TO COMPUTE ANTICIPATED WASTE AND THE COMPUTED WASTE VOLUME IDENTIFIED ARE FOR GENERAL INFORMATION ONLY.

ALL ITEMS ON THIS PAGE ARE CATEGORY 0010
UNLESS OTHERWISE NOTED

3

BASE AGGREGATE DENSE

LOCATION			CATEGORY	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH (TON)	624.0100 WATER (MGAL)
097+97	*to*	*103+95*	0010	-	-
103+95	*to*	*126+25*	0010	5459	109.2
126+25	*to*	*127+25*	0010	2610	52.2
127+25	*to*	*140+00*	0010	3451	69.1
140+00	*to*	*150+77*	0010	4249	85.0
150+77	*to*	*151+60*	0010	935	18.7
TOTALS				**16704**	**335**

PAVEMENT

LOCATION			CATEGORY	415.0090 CONCRETE PAVEMENT 9-INCH (SY)	416.0170 CONCRETE DRIVEWAY 7-INCH (SY)	416.0610 DRILLED TIE BARS (EACH)	416.0620 DRILLED DOWEL BARS (EACH)	455.0605 TACK COAT (GAL)	450.4000 HMA COLD WEATHER PAVING (TON)	460.6223 HMA PAVEMENT 3 MT 58-28 S (TON)	460.6424 HMA PAVEMENT 4 MT 58-28 H (TON)	465.0105 ASPHALTIC SURFACE (TON)	SPV.0180 101. CONCRETE PAVEMENT SHES 9-INCH (SY)
097+97	*to*	*103+95*	0010	1104	-	354	51	-	-	-	-	-	250
105+99	*to*	*106+59*	0010	40	-	-	-	-	-	-	-	-	-
119+99	*to*	*120+59*	0010	40	-	-	-	-	-	-	-	-	-
103+95	*to*	*126+25*	0010	-	392	-	-	409	-	1375	917	21	-
126+25	*to*	*127+25*	0010	-	-	-	-	45	-	150	100	-	-
127+25	*to*	*140+00*	0010	-	44	-	-	252	-	849	566	7	-
140+00	*to*	*150+77*	0010	-	112	-	-	237	1337	796	531	10	-
150+77	*to*	*151+60*	0010	307	-	107	29	-	-	-	-	-	-
TOTALS				**1491**	**548**	**461**	**80**	**943**	**1337**	**3170**	**2114**	**38**	**250**

SIDEWALK

LOCATION			CATEGORY	601.0600 CONCRETE CURB PEDESTRIAN (LF)	602.0410 CONCRETE SIDEWALK 5-INCH (SF)	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW (SF)
103+95	*to*	*126+25*	0010	19	3626	88
126+25	*to*	*127+50*	0010	81	1977	95
127+50	*to*	*140+00*	0010	62	3507	119
140+00	*to*	*150+77*	0010	275	5185	292
TOTALS				**437**	**14295**	**594**

CURB AND GUTER

LOCATION			601.0419 CONCRETE CURB & GUTTER 30-INCH TYPE L CAT 0010 (LF)	620.0200 CONCRETE MEDIAN BLUNT NOSE CAT 0010 (SF)	620.0300 CONCRETE MEDIAN SLOPED NOSE CAT 0010 (SF)	SPV.0090 101. CONCRETE CURB & GUTTER 66-INCH TYPE L CAT 0020 (LF)	SPV.0090 102. CONCRETE CURB & GUTTER MOUNTABLE 18-INCH CAT 0010 (LF)	SPV.0090 103. CONCRETE CURB & GUTTER 18-INCH TYPE L CAT 0010 (LF)	SPV.0090 104. REINFORCED CONCRETE CURB & GUTTER CAT 0010 (LF)	SPV.0090 105. 6-INCH CONCRETE APRON CAT 0010 (LF)	SPV.0165 301. CONCRETE RAISED MEDIAN CAT 0010 (SF)
097+97	*to*	*103+95*	-	-	-	-	-	-	-	-	514
105+99	*to*	*106+59*	-	-	-	-	-	-	60	-	-
119+99	*to*	*120+59*	-	-	-	-	-	-	60	-	-
103+95	*to*	*126+25*	477	38	31	4047	240	1230	-	36	-
126+25	*to*	*127+25*	169	-	-	111	-	-	-	-	-
127+25	*to*	*140+00*	133	38	-	2447	-	236	-	-	-
140+00	*to*	*150+77*	661	67	16	1610	-	782	-	80	-
150+77	*to*	*151+60*	84	-	-	-	-	-	-	-	-
TOTALS			**1524**	**143**	**47**	**8215**	**240**	**2248**	**120**	**116**	**514**

EROSION CONTROL

LOCATION			CATEGORY	628.1504 SILT FENCE (LF)	628.1520 SILT FENCE MAINTENANCE (LF)	628.1905 MOBILIZATIONS EROSION CONTROL (EACH)	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL (EACH)	628.7005 INLET PROTECTION TYPE A (EA)	628.7015 INLET PROTECTION TYPE C (EA)
Pre Construction			0010	500	500	1	3	-	56
097+97	*to*	*103+95*	0010	-	-	2	-	-	1
103+95	*to*	*126+25*	0010	-	-	2	-	3	39
126+25	*to*	*127+25*	0010	-	-	2	-	-	6
127+25	*to*	*140+00*	0010	-	-	2	-	-	14
140+00	*to*	*150+77*	0010	-	-	2	-	-	27
150+77	*to*	*151+60*	0010	-	-	2	-	-	-
TOTALS				**500**	**500**	**13**	**3**	**3**	**143**

RESTORATION

LOCATION			CATEGORY	625.0100 TOPSOIL (SY)	627.0200 MULCHING (SY)	629.0205 FERTILIZER TYPE A (CWT)	630.0140 SEEDING MIXTURE NO. 40 (LB)	630.0200 SEEDING TEMPORARY (LB)
097+97	*to*	*103+95*	0010	-	-	-	-	-
103+95	*to*	*126+25*	0010	551	551	1	10	-
126+25	*to*	*127+25*	0010	162	162	1	3	-
127+25	*to*	*140+00*	0010	284	284	1	5	-
140+00	*to*	*150+77*	0010	288	288	1	5	-
150+77	*to*	*151+60*	0010	-	-	-	-	-
UNDISTRIBUTED			0010	128	128	1	2	6
TOTALS				**1413**	**1413**	**5**	**25**	**6**

CONCRETE BARRIER TEMPORARY

STAGE	CATEGORY	603.8000 CONCRETE BARRIER TEMPORARY PRECAST DELIVERED (LF)	603.8125 CONCRETE BARRIER TEMPORARY PRECAST INSTALLED (LF)
STAGE 2B (LOSEY BLVD)	0010	550	550
TOTALS	**TOTALS**	**550**	**550**

TRAFFIC CONTROL

STAGE	CATEGORY	DURATION CALANDAR DAYS	#	643.0300 TC DRUMS (DAY)	#	643.0410 TC BARRICADES TYPE II (DAY)	#	643.0420 TC BARRICADES TYPE III (DAY)	643.0500 TC FLEXIBLE TUBLAR MARKER POSTS (EACH)	643.0600 TC FLEXIBLE TUBLAR MARKER BASES (EACH)	#	643.0705 TC WARNING LIGHTS TYPE A (DAY)	#	643.0715 TC WARNING LIGHTS TYPE C (DAY)	#	643.0800 TC ARROW BOARDS (DAY)	#	643.0900 TC SIGNS (DAY)	643.0920 TC COVERING SIGNS TYPE II * (EACH)	643.1000 TC SIGNS FIXED MESSAGE (SF)	643.1050 TRAFFIC CONTROL SIGNS PCMS (DAY)
DETOUR STH 35 NB STAGE 1A	0010	*3*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*93*	279	-	-	-
STAGE 1A (WEST AVE)	0010	*3*	*50*	150	*6*	17	*27*	81	-	-	*20*	60	*27*	81	-	-	*38*	114	4	12.5	29
DETOUR LA CROSSE STREET STAGE 1, 2 & 3	0010	*180*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	118	21240	-	-	8
STAGE 1	0010	75	*20*	1500	*12*	900	*18*	1350	-	-	*12*	900	-	-	-	-	*18*	1350	3	-	-
STAGE 1B (EAST AVE)	0010	14	*6*	84	*3*	42	*13*	182	-	-	*8*	112	-	-	-	-	*10*	140	-	-	-
STAGE 2A (EAST AVE)	0010	14	*6*	84	*3*	42	*13*	182	-	-	*8*	112	-	-	-	-	*10*	140	-	-	-
STAGE 2	0010	40	*10*	400	*8*	320	*14*	560	-	-	*8*	320	-	-	-	-	*12*	480	-	-	-
STAGE 2B (LOSEY BLVD)	0010	28	*46*	1288	*4*	112	*6*	168	-	-	*10*	280	*35*	980	2	56	*19*	532	1	-	14
STAGE 3A (LOSEY BLVD)	0010	28	*100*	2800	*6*	600	*17*	476	48	48	*24*	672	*18*	504	-	-	*35*	980	2	-	14
STAGE 3	0010	65	*20*	1300	*12*	780	*25*	1625	-	-	*16*	1040	-	-	-	-	*21*	1365	-	-	-
UNDISTRIBUTED	0010	-	-	188	-	57	-	134	12	12	-	270	-	133	-	-	-	313	5	12.5	10
	TOTAL	**TOTAL**		**7,794**		**2,870**		**4,758**	**60**	**60**		**3,766**		**1,698**		**56**		**26,933**	**15**	**25**	**75**

NOTE: TC FLAGS ON TC SIGNS ARE INCIDENTAL TO THE PAY ITEM TC SIGNS. SEE TRAFFIC CONTROL SHEETS FOR FLAG LOCATIONS

* 1 CYCLE OF COVERING SIGNS

TEMPORARY PEDESTRIAN ACCOMODATIONS

LOCATION	CATEGORY	644.1410 TEMPORARY PEDESTRIAN SURFACE ASPHALT (SF)	644.1420 TEMPORARY PEDESTRIAN SURFACE PLYWOOD (SF)	644.1430 TEMPORARY PEDESTRIAN SURFACE PLATE (SF)	644.1601 TEMPORARY CURB RAMP (DAY)	644.1810 TEMPORARY PEDESTRIAN BARRICADE * (LF)
STAGE 1A	0010	-	-	-	-	250
STAGE 1B	0010	25	100	50	-	250
STAGE 2A	0010	25	100	50	-	250
STAGE 2B	0010	-	100	50	-	1100
UNDISTRIBUTED	0010	25	450	200	9	500
	TOTALS	**75**	**750**	**350**	**9**	**2,350**

* USE PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM WORK ZONE WHERE DIRECTED BY THE ENGINEER

TEMPORARY PAVEMENT MARKINGS

STAGE	CATEGORY	646.9010 MARKING REMOVAL LINE WATER BLASTING 4-INCH (LF)	646.9210 MARKING REMOVAL LINE WATER BLASTING WIDE (LF)	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH *YELLOW* (LF)	*WHITE* (LF)	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH *YELLOW* (LF)	*WHITE* (LF)	649.0805 TEMPORARY MARKING STOP LINE PAINT *18-INCH* (LF)
STAGE 1B (EAST AVE)	0010	120	32	240	-	-	-	32
STAGE 2A (EAST AVE)	0010	310	32	310	-	-	-	32
STAGE 2B (LOSEY BLVD)	0010	120	-	-	-	1490	-	-
STAGE 3A (LOSEY BLVD)	0010	-	-	-	-	4445	2685	-
UNDISTRIBUTED	0010	100	24	75	100	200	200	24
TOTAL	**TOTALS**	**650**	**88**	**725**		**9020**		**88**

STORM SEWER REMOVALS

LOCATION			CATEGORY	204.0210 REMOVING MANHOLES (EA)	204.0220 REMOVING INLETS (SY)	204.0245 REMOVING STORM SEWER 8" (LF)	204.0245 REMOVING STORM SEWER 12" (LF)
097+97	*to*	*103+95*	0030	3	3	-	467
103+95	*to*	*126+25*	0030	10	19	40	1120
126+25	*to*	*127+25*	0030	1	4	30	330
127+25	*to*	*140+00*	0030	-	1	-	30
140+00	*to*	*150+77*	0030	8	12	216	1283
150+77	*to*	*151+60*	0030	-	-	-	97
TOTALS				**22**	**39**	**286**	**3327**

BIO RETENTION BASIN

LOCATION			628.2023 EROSION MAT CLASS II CAT 0010 (SY)	630.0130 SEEDING MIXTURE NO. 30 CAT 0010 (LB)	SPV.0035** 102. ENGINEERED SOIL PLANTING BED CAT 0030 (CY)
097+97	*to*	*103+95*	-	-	-
103+95	*to*	*126+25*	437	2	437
126+25	*to*	*127+25*	-	-	-
127+25	*to*	*140+00*	-	-	-
140+00	*to*	*150+77*	104	1	104
150+77	*to*	*151+60*	-	-	-
151+60	*to*	*152+53*	-	-	-
Undistributed			100	2	29
TOTALS			**641**	**5**	**570**

STORM SEWER CONNECTIONS

From STR	To STR	INVERT ELEV (FT)	DISCHARGE ELEV (FT)	SLOPE	CAT	520.8000 CONCRETE COLLARS FOR PIPE (EACH)	608.6012 STORM SEWER PIPE COMPOSITE 12-INCH (LF)	SPV.0060.113 CONNECT TO EXISTING STORM SEWER PIPE (EACH)
Existing	M 100	667.73	667.50	0.97%	0030	--	23	1
Existing	M 100	667.65	667.50	2.32%	0030	--	6	1
M 500	Existing	664.82	664.78	0.30%	0030	1	--	--
					TOTAL	**1**	**29**	**2**

UTILITY LINE OPENING

LOCATION		CATEGORY	SPV.0060 .112 UTILITY LINE OPENING (ULO) (EACH)
126+75	*39' Lt*	0030	1
126+73	*13' Rt*	0030	1
126+73	*53' Rt*	0030	1
139+89	*23' Lt*	0030	1
140+04	*34' Rt*	0030	1
TOTALS			**5**

STORM SEWER PIPES

From STR	To STR	INVERT ELEV (FT)	DISCHARGE ELEV (FT)	SLOPE	CAT	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH (LF)	608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH (LF)	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH (LF)	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH (LF)	608.0336 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH (LF)	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH (LF)	608.2319 STORM SEWER PIPE REINFORCED HORIZONTAL ELLIPTICAL CLASS HE-III 19x30-INCH (LF)
M 105	M 100	667.67	667.50	0.15%	0030	--	--	--	33	--	--	--
M 120	M 105	668.22	667.67	0.14%	0030	--	--	--	325	--	--	--
C 133	C 132	669.65	669.46	0.17%	0030	38	--	--	--	--	--	--
C 136	C 135	669.43	669.38	0.50%	0030	35	--	--	--	--	--	--
M 130	M 120	668.31	668.22	0.50%	0030	--	--	--	60	--	--	--
C 135	M 130	669.38	669.31	1.37%	0030	17	--	--	--	--	--	--
C 132	M 130	669.46	669.31	0.40%	0030	30	--	--	--	--	--	--
C 142	M 140	669.54	669.39	0.42%	0030	36	--	--	--	--	--	--
C 147	M 140	669.46	669.14	0.50%	0030	--	14	--	--	--	--	--
M 140	M 130	668.39	668.31	0.44%	0030	--	--	--	58	--	--	--
C 148	C 147	669.84	669.71	0.14%	0030	33	--	--	--	--	--	--
C 149	C 148	669.98	669.84	0.50%	0030	37	--	--	--	--	--	--
C 151	M 150	669.74	669.58	0.50%	0030	40	--	--	--	--	--	--
M 150	M 140	668.58	668.39	0.85%	0030	--	--	--	92	--	--	--
C 175	M 170	669.91	669.86	0.50%	0030	10	--	--	--	--	--	--
M 170	M 150	668.86	668.58	0.10%	0030	--	--	--	165	--	--	--
C 173	M 170	670.02	669.86	0.10%	0030	34	--	--	--	--	--	--
EXIST	C 175	670.55	669.91	0.50%	0030	11	--	--	--	--	--	--
C 185	M 180	670.16	670.11	0.50%	0030	10	--	--	--	--	--	--
C 183	C 182	670.30	670.25	0.50%	0030	4	--	--	--	--	--	--
C 182	M 180	670.25	670.11	0.50%	0030	33	--	--	--	--	--	--
M 180	M 170	669.53	669.28	0.50%	0030	--	--	--	--	--	--	150
C 184	C 182	670.35	670.25	0.50%	0030	25	--	--	--	--	--	--
C 235	M 230	669.10	668.99	0.50%	0030	21	--	--	--	--	--	--
C 232	M 230	669.10	668.99	0.50%	0030	21	--	--	--	--	--	--
M 230	C 214	667.99	667.89	0.50%	0030	--	--	--	50	--	--	--
C 205	M 200	667.85	667.80	0.50%	0030	--	--	--	26	--	--	--
C 214	C 205	667.89	667.85	0.50%	0030	--	--	--	21	--	--	--
C 215	C 214	669.00	668.89	0.50%	0030	22	--	--	--	--	--	--
C 340	C 330	666.88	666.78	0.50%	0030	--	--	--	50	--	--	--
C 335	C 330	667.89	667.78	0.50%	0030	22	--	--	--	--	--	--
C 332	C 330	667.88	667.78	0.50%	0030	20	--	--	--	--	--	--
C 330	C 325	666.78	666.63	0.50%	0030	--	--	--	75	--	--	--
C 325	C 310	666.63	666.58	0.50%	0030	--	--	--	31	--	--	--
C 320	C 310	667.69	667.58	0.50%	0030	22	--	--	--	--	--	--

STORM SEWER PIPES

From STR	To STR	INVERT ELEV (FT)	DISCHARGE ELEV (FT)	SLOPE	CAT	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH (LF)	608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH (LF)	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH (LF)	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH (LF)	608.0336 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH (LF)	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH (LF)	608.2319 STORM SEWER PIPE REINFORCED HORIZONTAL ELLIPTICAL CLASS HE-III 19x30-INCH (LF)
C 305	M 300	666.54	666.50	0.20%	0030	--	--	--	18	--	--	--
C 310	C 305	666.58	666.54	0.19%	0030	--	--	--	22	--	--	--
C 452	M 450	665.56	665.40	0.20%	0030	33	--	--	--	--	--	--
C 455	M 450	665.45	665.40	0.44%	0030	10	--	--	--	--	--	--
M 450	M 410	664.40	663.38	0.20%	0030	--	--	--	99	--	--	--
C 412	M 410	664.52	664.38	0.20%	0030	33	--	--	--	--	--	--
M 410	C 405	663.38	663.36	0.20%	0030	--	--	--	--	--	10	--
C 405	M 400	663.36	663.30	0.50%	0030	--	--	--	--	--	28	--
C 422	M 420	664.65	664.48	0.50%	0030	33	--	--	--	--	--	--
C 425	M 420	664.53	664.48	0.90%	0030	10	--	--	--	--	--	--
M 420	M 410	663.48	663.38	0.90%	0030	--	--	--	64	--	--	--
C 522	M 520	663.66	663.50	0.50%	0030	33	--	--	--	--	--	--
C 525	M 520	663.55	663.50	0.90%	0030	10	--	--	--	--	--	--
M 520	M 510	662.50	662.25	0.40%	0030	--	--	--	--	--	125	--
C 512	M 510	663.41	663.25	0.40%	0030	33	--	--	--	--	--	--
C 505	M 500	662.23	662.19	0.50%	0030	--	--	--	--	--	19	--
M 510	C 505	662.25	662.23	0.40%	0030	--	--	--	--	--	10	--
M 500	EXIST	664.82	664.79	0.50%	0030	--	--	--	--	--	11	--
C 792	M 790	662.40	662.24	0.50%	0030	33	--	--	--	--	--	--
C 795	M 790	662.28	662.24	0.50%	0030	10	--	--	--	--	--	--
M 790	M 725	661.38	661.22	0.50%	0030	--	--	--	--	--	55	--
C 711	M 725	662.26	662.22	0.50%	0030	10	--	--	--	--	--	--
C 723	M 725	662.35	662.22	1.35%	0030	33	--	--	--	--	--	--
M 725	M 721	658.00	657.82	0.50%	0030	--	--	--	--	--	60	--
C 712	C 711	662.34	662.26	0.50%	0030	17	--	--	--	--	--	--
C 726	C 723	662.43	662.35	0.20%	0030	17	--	--	--	--	--	--
M 721	M 720	656.56	656.47	0.50%	0030	--	--	--	--	--	30	--
C 715	M 721	662.96	662.80	0.30%	0030	--	--	41	--	--	--	--
C 716	C 715	663.02	662.96	0.40%	0030	--	--	15	--	--	--	--
C 724	C 733	662.35	662.20	0.40%	0030	--	--	32	--	--	--	--
C 733	C 732	662.20	661.99	0.50%	0030	--	--	41	--	--	--	--
C 736	C 715	663.17	662.96	0.50%	0030	--	--	52	--	--	--	--
C 737	C 736	663.23	663.17	0.50%	0030	--	--	15	--	--	--	--
C 732	M 730	658.50	658.34	0.50%	0030	--	--	32	--	--	--	--
M 730	M 720	656.61	656.47	0.50%	0030	--	--	--	--	--	47	--

3

STORM SEWER PIPES

From STR	To STR	INVERT ELEV (FT)	DISCHARGE ELEV (FT)	SLOPE	CAT	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH (LF)	608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH (LF)	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH (LF)	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH (LF)	608.0336 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH (LF)	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH (LF)	608.2319 STORM SEWER PIPE REINFORCED HORIZONTAL ELLIPTICAL CLASS HE-III 19x30-INCH (LF)
C 735	M 730	658.46	658.41	0.50%	0030	--	10	--	--	--	--	--
C 735A	C 735	658.75	658.46	0.50%	0030	--	58	--	--	--	--	--
C 742	M 740	664.83	664.66	0.50%	0030	33	--	--	--	--	--	--
C 745	M 740	664.71	664.66	0.50%	0030	10	--	--	--	--	--	--
M 740	M 730	658.94	656.61	0.40%	0030	--	--	--	259	--	--	--
C 752	M 750	667.08	666.91	0.40%	0030	33	--	--	--	--	--	--
M 750	M 740	661.19	658.94	0.48%	0030	--	--	--	250	--	--	--
C 755	M 750	666.96	666.91	0.50%	0030	10	--	--	--	--	--	--
M 760	M 750	668.16	665.91	5.61%	0030	--	--	--	250	--	--	--
C 765	M 760	669.30	669.16	0.17%	0030	10	--	--	--	--	--	--
C 762	M 760	669.33	669.16	0.50%	0030	33	--	--	--	--	--	--
C 988A	C 988	668.09	668.04	0.50%	0030	--	11	--	--	--	--	--
C 988	C 987	668.04	667.92	0.20%	0030	--	25	--	--	--	--	--
C 983	C 982	668.06	667.80	0.20%	0030	--	53	--	--	--	--	--
C 987	C 986	667.92	667.80	0.50%	0030	--	24	--	--	--	--	--
C 987A	C 987	667.96	667.92	0.50%	0030	--	9	--	--	--	--	--
C 986	C 985	667.80	667.67	0.16%	0030	--	26	--	--	--	--	--
C 982	M 980	667.80	667.62	0.50%	0030	--	36	--	--	--	--	--
M 980	M 970	666.87	666.07	0.50%	0030	--	--	--	160	--	--	--
C 985	M 980	667.67	667.62	0.50%	0030	--	10	--	--	--	--	--
C 982A	C 982	667.99	667.80	0.50%	0030	--	39	--	--	--	--	--
C 976	C 975	667.11	666.87	0.20%	0030	--	48	--	--	--	--	--
C 972	M 970	666.98	666.82	1.04%	0030	--	33	--	--	--	--	--
C 975	M 970	666.87	666.82	0.17%	0030	--	11	--	--	--	--	--
M 970	M 960	666.07	665.07	0.50%	0030	--	--	--	200	--	--	--
C 966	C 962	666.36	666.08	0.50%	0030	--	56	--	--	--	--	--
C 964	C 966	666.50	666.36	0.50%	0030	--	27	--	--	--	--	--
C 963	C 962	666.21	666.08	0.20%	0030	--	26	--	--	--	--	--
C 962	C 961	666.08	665.98	0.50%	0030	--	20	--	--	--	--	--
M 960	M 950	665.07	663.87	0.50%	0030	--	--	--	239	--	--	--
C 961	M 960	665.98	665.82	0.40%	0030	--	33	--	--	--	--	--
C 965	M 960	665.87	665.82	0.30%	0030	--	10	--	--	--	--	--
C 959	C 958	665.29	665.17	0.30%	0030	--	25	--	--	--	--	--
C 958	C 957	665.17	665.02	0.50%	0030	--	30	--	--	--	--	--
C 957	C 955	665.02	664.67	0.50%	0030	--	69	--	--	--	--	--

STORM SEWER PIPES

From STR	To STR	INVERT ELEV (FT)	DISCHARGE ELEV (FT)	SLOPE	CAT	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH (LF)	608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH (LF)	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH (LF)	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH (LF)	608.0336 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH (LF)	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH (LF)	608.2319 STORM SEWER PIPE REINFORCED HORIZONTAL ELLIPTICAL CLASS HE-III 19x30-INCH (LF)
C 952	M 950	664.80	664.62	0.50%	0030	--	35	--	--	--	--	--
M 950	M 940	663.87	662.21	0.50%	0030	--	--	--	196	--	--	--
C 955	M 950	664.67	664.62	2.22%	0030	--	10	--	--	--	--	--
C 953	C 952	664.88	664.80	0.20%	0030	--	17	--	--	--	--	--
C 954	C 953	665.01	664.88	0.97%	0030	--	25	--	--	--	--	--
M 940	M 937	662.21	661.99	2.32%	0030	--	--	--	43	--	--	--
C 943	M 940	663.12	662.96	0.50%	0030	--	33	--	--	--	--	--
C 945	M 940	663.01	662.96	0.50%	0030	--	10	--	--	--	--	--
M 938	M 937	664.46	664.33	0.50%	0030	--	25	--	--	--	--	--
M 937	M 935	661.99	661.44	0.30%	0030	--	--	--	110	--	--	--
C 934A	C 934	662.51	662.28	0.40%	0030	--	--	47	--	--	--	--
C 934	M 933	662.28	662.05	0.50%	0030	--	--	46	--	--	--	--
C 936	M 935	662.23	662.19	0.50%	0030	--	8	--	--	--	--	--
M 935	M 930	661.44	661.26	0.40%	0030	--	--	--	37	--	--	--
M 933	C 932	662.05	661.95	0.50%	0030	--	--	19	--	--	--	--
C 932	M 930	661.95	661.76	0.50%	0030	--	--	40	--	--	--	--
M 930	M 920	660.26	660.13	0.30%	0030	--	--	--	--	125	--	--
C 925	M 920	661.97	661.88	0.50%	0030	--	18	--	--	--	--	--
M 920	M 910	660.13	660.05	0.10%	0030	--	--	--	--	76	--	--
					TOTAL	962	882	378	2934	201	394	150

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STORM SEWER STRUCTURES

STR NAME	STATION	OFFSET	LT / RT	RIM ELEVATION	CAT	SPV.0060.104 Beehive Catch Basins (EACH)	SPV.0060.105 Beehive Covers (EACH)	SPV.0060.106 Lacrosse Manhole, Small (EACH)	SPV.0060.107 Lacrosse Manhole Covers, Small (EACH)	SPV.0060.108 Lacrosse Catch Basin A (EACH)	SPV.0060.109 Lacrosse Catch Basins Covers A (EACH)
M 100	100+41.59'	3.4	RT	672.09	0030	--	--	1	1	--	--
M 105	100+75.01'	5.5	RT	672.25	0030	--	--	1	1	--	--
M 120	104+00.02'	4.8	RT	673.07	0030	--	--	1	1	--	--
C 133	104+25.00'	25.5	LT	672.74	0030	--	--	--	--	1	1
C 136	104+25.00'	21.2	RT	672.46	0030	--	--	--	--	1	1
M 130	104+60.02'	4.5	RT	672.76	0030	--	--	1	1	--	--
C 135	104+60.06'	21.2	RT	672.29	0030	--	--	--	--	1	1
C 132	104+63.29'	25.5	LT	672.53	0030	--	--	--	--	1	1
C 142	105+07.77'	25.3	LT	672.13	0030	--	--	--	--	1	1
C 147	105+11.88'	21.8	RT	672.58	0030	--	--	--	--	1	1
M 140	105+18.00'	9.0	RT	672.92	0030	--	--	1	1	--	--
C 148	105+32.25'	47.2	RT	672.60	0030	--	--	--	--	1	1
C 149	105+67.02'	60.1	RT	672.62	0030	--	--	--	--	1	1
C 151	106+03.20'	26.6	LT	672.58	0030	--	--	--	--	1	1
M 150	106+10.00'	12.5	RT	673.67	0030	--	--	1	1	--	--
C 175	107+75.00'	22.0	RT	672.95	0030	--	--	--	--	1	1
M 170	107+75.00'	12.5	RT	673.14	0030	--	--	1	1	--	--
C 173	107+75.04'	21.9	LT	672.86	0030	--	--	--	--	1	1
C 182	109+25.00'	20.3	LT	672.21	0030	--	--	--	--	1	1
C 183	109+25.00'	24.1	LT	672.67	0030	--	--	--	--	1	1
C 185	109+25.00'	22.3	RT	672.38	0030	--	--	--	--	1	1
M 180	109+25.00'	12.5	RT	672.58	0030	--	--	1	1	--	--
C 184	109+50.27'	20.3	LT	672.76	0030	--	--	--	--	1	1
C 232	110+75.00'	20.4	LT	672.00	0030	--	--	--	--	1	1
C 235	110+75.00'	22.3	RT	672.05	0030	--	--	--	--	1	1
M 230	110+75.00'	1.1	RT	672.97	0030	--	--	1	1	--	--
C 205	111+25.00'	22.3	RT	671.89	0030	--	--	--	--	1	1
C 214	111+25.00'	1.2	RT	671.37	0030	1	1	--	--	--	--
C 215	111+28.05'	20.3	LT	671.78	0030	--	--	--	--	1	1
M 200	111+44.69'	39.6	RT	672.44	0030	--	--	1	1	--	--
C 340	114+00.00'	1.0	RT	670.55	0030	1	1	--	--	--	--
C 332	114+50.00'	20.4	LT	671.01	0030	--	--	--	--	1	1
C 335	114+50.00'	22.3	RT	671.13	0030	--	--	--	--	1	1
C 330	114+50.01'	0.0	LT	671.31	0030	--	--	1	1	--	--
C 325	115+25.00'	0.0	RT	671.09	0030	--	--	1	1	--	--

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STORM SEWER STRUCTURES

STR NAME	STATION	OFFSET	LT / RT	RIM ELEVATION	CAT	SPV.0060.104 Beehive Catch Basins (EACH)	SPV.0060.105 Beehive Covers (EACH)	SPV.0060.106 Lacrosse Manhole, Small (EACH)	SPV.0060.107 Lacrosse Manhole Covers, Small (EACH)	SPV.0060.108 Lacrosse Catch Basin A (EACH)	SPV.0060.109 Lacrosse Catch Basins Covers A (EACH)
M 300	115+49.95'	40.3	RT	670.96	0030	--	--	1	1	--	--
C 305	115+50.00'	22.4	RT	670.85	0030	--	--	--	--	1	1
C 320	115+50.00'	20.3	LT	670.73	0030	--	--	--	--	1	1
C 310	115+56.22'	0.9	RT	670.11	0030	1	1	--	--	--	--
C 452	118+50.00'	20.4	LT	668.96	0030	--	--	--	--	1	1
C 455	118+50.00'	22.4	RT	669.20	0030	--	--	--	--	1	1
M 450	118+50.00'	12.5	RT	669.40	0030	--	--	1	1	--	--
C 412	119+48.73'	20.4	LT	668.38	0030	--	--	--	--	1	1
M 410	119+48.92'	12.5	RT	668.76	0030	--	--	1	1	--	--
C 405	119+48.98'	22.3	RT	668.56	0030	--	--	--	--	1	1
M 400	119+72.46'	36.8	RT	668.75	0030	--	--	1	1	--	--
C 422	120+10.53'	20.4	LT	668.11	0030	--	--	--	--	1	1
C 425	120+13.00'	22.4	RT	668.26	0030	--	--	--	--	1	1
M 420	120+13.00'	12.5	RT	668.46	0030	--	--	1	1	--	--
C 522	122+25.00'	20.4	LT	667.70	0030	--	--	--	--	1	1
C 525	122+25.00'	22.4	RT	667.76	0030	--	--	--	--	1	1
M 520	122+25.00'	12.5	RT	667.98	0030	--	--	1	1	--	--
C 505	123+50.00'	22.4	RT	667.33	0030	--	--	--	--	1	1
C 512	123+50.00'	20.4	LT	667.30	0030	--	--	--	--	1	1
M 510	123+50.00'	12.5	RT	667.56	0030	--	--	1	1	--	--
M 500	123+60.15'	37.9	RT	667.65	0030	--	--	1	1	--	--
C 792	125+50.00'	20.4	LT	666.66	0030	--	--	--	--	1	1
C 795	125+50.00'	22.4	RT	666.92	0030	--	--	--	--	1	1
M 790	125+50.00'	12.5	RT	667.11	0030	--	--	1	1	--	--
C 711	126+05.00'	22.4	RT	666.63	0030	--	--	--	--	1	1
C 723	126+05.00'	20.4	LT	666.49	0030	--	--	--	--	1	1
M 725	126+05.00'	12.5	RT	666.83	0030	--	--	1	1	--	--
C 712	126+21.53'	22.3	RT	666.68	0030	--	--	--	--	1	1
C 726	126+21.53'	20.4	LT	666.55	0030	--	--	--	--	1	1
M 721	126+65.12'	12.6	RT	667.00	0030	--	--	1	1	--	--
C 715	126+69.34'	53.4	RT	666.73	0030	--	--	--	--	1	1
C 716	126+69.98'	68.4	RT	666.69	0030	--	--	--	--	1	1
C 724	126+70.24'	38.9	LT	666.26	0030	--	--	--	--	1	1
M 720	126+94.89'	12.6	RT	667.03	0030	--	--	1	1	--	--
C 733	127+01.90'	40.5	LT	666.30	0030	--	--	--	--	1	1

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STORM SEWER STRUCTURES

STR NAME	STATION	OFFSET	LT / RT	RIM ELEVATION	CAT	SPV.0060.104 Beehive Catch Basins (EACH)	SPV.0060.105 Beehive Covers (EACH)	SPV.0060.106 Lacrosse Manhole, Small (EACH)	SPV.0060.107 Lacrosse Manhole Covers, Small (EACH)	SPV.0060.108 Lacrosse Catch Basin A (EACH)	SPV.0060.109 Lacrosse Catch Basins Covers A (EACH)
C 736	127+20.79'	49.8	RT	666.64	0030	--	--	--	--	1	1
C 737	127+22.55'	64.5	RT	666.84	0030	--	--	--	--	1	1
C 732	127+40.07'	20.4	LT	666.64	0030	--	--	--	--	1	1
M 730	127+40.91'	11.8	RT	666.99	0030	--	--	1	1	--	--
C 735	127+41.18'	22.3	RT	666.77	0030	--	--	--	--	1	1
C 735A	127+98.96'	22.3	RT	667.16	0030	--	--	--	--	1	1
C 742	129+99.71'	20.3	LT	668.91	0030	--	--	--	--	1	1
C 745	130+00.00'	22.4	RT	669.20	0030	--	--	--	--	1	1
M 740	130+00.00'	12.5	RT	669.40	0030	--	--	1	1	--	--
C 752	132+49.32'	20.3	LT	671.05	0030	--	--	--	--	1	1
M 750	132+50.00'	12.5	RT	671.37	0030	--	--	1	1	--	--
C 755	132+50.44'	22.3	RT	671.18	0030	--	--	--	--	1	1
M 760	135+00.00'	12.5	RT	673.65	0030	--	--	1	1	--	--
C 765	135+00.08'	22.3	RT	673.46	0030	--	--	--	--	1	1
C 762	135+00.13'	20.4	LT	673.34	0030	--	--	--	--	1	1
C 988A	139+71.43'	48.8	RT	672.79	0030	--	--	--	--	1	1
C 988	139+71.55'	38.0	RT	672.68	0030	--	--	--	--	1	1
C 983	139+85.00'	23.0	LT	672.52	0030	--	--	--	--	1	1
C 987	139+97.64'	40.2	RT	672.45	0030	--	--	--	--	1	1
C 987A	139+97.65'	48.7	RT	672.53	0030	--	--	--	--	1	1
C 986	140+14.43'	23.0	RT	672.38	0030	--	--	--	--	1	1
C 982	140+36.81'	23.1	LT	672.17	0030	--	--	--	--	1	1
C 985	140+40.00'	22.4	RT	672.16	0030	--	--	--	--	1	1
M 980	140+40.00'	12.5	RT	672.36	0030	--	--	1	1	--	--
C 982A	140+75.34'	21.5	LT	671.97	0030	--	--	--	--	1	1
C 976	141+49.53'	22.6	RT	671.70	0030	--	--	--	--	1	1
C 972	141+95.60'	20.4	LT	671.59	0030	--	--	--	--	1	1
C 975	141+97.66'	23.4	RT	671.70	0030	--	--	--	--	1	1
M 970	142+00.00'	12.5	RT	671.94	0030	--	--	1	1	--	--
C 966	143+23.54'	21.3	LT	671.07	0030	--	--	--	--	1	1
C 964	143+33.86'	46.0	LT	672.59	0030	--	--	--	--	1	1
C 963	143+58.67'	35.8	LT	672.20	0030	--	--	--	--	1	1
C 962	143+80.00'	20.4	LT	670.78	0030	--	--	--	--	1	1
C 961	144+00.00'	20.3	LT	670.63	0030	--	--	--	--	1	1
C 965	144+00.00'	22.3	RT	670.60	0030	--	--	--	--	1	1

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STORM SEWER STRUCTURES

STR NAME	STATION	OFFSET	LT / RT	RIM ELEVATION	CAT	SPV.0060.104 Beehive Catch Basins (EACH)	SPV.0060.105 Beehive Covers (EACH)	SPV.0060.106 Lacrosse Manhole, Small (EACH)	SPV.0060.107 Lacrosse Manhole Covers, Small (EACH)	SPV.0060.108 Lacrosse Catch Basin A (EACH)	SPV.0060.109 Lacrosse Catch Basins Covers A (EACH)
M 960	144+00.00'	12.5	RT	670.80	0030	--	--	1	1	--	--
C 959	145+19.32'	38.0	RT	671.04	0030	--	--	--	--	1	1
C 958	145+44.22'	38.0	RT	670.94	0030	--	--	--	--	1	1
C 957	145+69.75'	22.4	RT	669.87	0030	--	--	--	--	1	1
C 952	146+37.36'	22.2	LT	668.98	0030	--	--	--	--	1	1
M 950	146+38.77'	12.5	RT	669.45	0030	--	--	1	1	--	--
C 955	146+38.87'	22.4	RT	669.25	0030	--	--	--	--	1	1
C 953	146+46.23'	36.5	LT	669.92	0030	--	--	--	--	1	1
C 954	146+71.13'	36.5	LT	669.86	0030	--	--	--	--	1	1
C 943	148+35.00'	20.4	LT	668.27	0030	--	--	--	--	1	1
C 945	148+35.00'	22.4	RT	668.16	0030	--	--	--	--	1	1
M 940	148+35.00'	12.5	RT	668.36	0030	--	--	1	1	--	--
M 938	148+77.81'	38.8	RT	667.90	0030	--	--	1	1	--	--
M 937	148+78.11'	13.3	RT	667.98	0030	--	--	1	1	--	--
C 934A	149+13.65'	20.4	LT	667.78	0030	--	--	--	--	1	1
C 934	149+60.10'	23.1	LT	667.52	0030	--	--	--	--	1	1
C 936	149+87.53'	23.3	RT	666.81	0030	--	--	--	--	1	1
M 935	149+87.67'	15.4	RT	666.97	0030	--	--	1	1	--	--
M 933	150+06.28'	20.5	LT	667.33	0030	--	--	1	1	--	--
C 932	150+25.00'	23.7	LT	667.07	0030	--	--	--	--	1	1
M 930	150+25.00'	16.1	RT	667.06	0030	--	--	1	1	--	--
C 925	151+50.00'	36.7	RT	665.89	0030	--	--	--	--	1	1
M 920	151+50.00'	19.1	RT	666.25	0030	--	--	1	1	--	--
					TOTAL	**3**	**3**	**39**	**39**	**86**	**86**

PERMANENT SIGNING

SIGN NO.	STA	OFFSET	SIGN CODE	SIGN TYPE	SIGN MESSAGE	TYPE II SIGN SIZE W [IN.]	TYPE II SIGN SIZE H [IN.]	SPV.0060 110. POSTS STEEL U-CHANNEL 14-FT (EA)	SPV.0060 111. INSTALL V-LOC SIGN SUPPORT (EA)	204.0195 REMOVING CONCRETE BASES * (EA)	204.0246 REMOVING ANCILLARY STRUCTURE (EA)	633.5350 MARKERS PERMANENT FLEXIBLE (EA)	637.2210 SIGNS TYPE II REFLECTIVE H (SF)	637.2230 SIGNS TYPE II REFLECTIVE F (SF)	638.2102 MOVING SIGNS TYPE II (EA)	638.2602 REMOVING SIGNS TYPE II (EA)	638.3000 REMOVING SMALL SIGN SUPPORTS (EA)
-	102+60	LT	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
103	105+75	RT	R1-1	II	Stop	30	30	1	-	-	-	-	5.18	-	-	-	1
104	105+30	LT	R1-1	II	Stop	30	30	1	-	-	-	-	5.18	-	-	-	1
105	105+30	LT	W14-1	II	Dead End	30	30	-	-	-	-	-	-	-	-	1	1
106	105+75	LT	W14-1	II	Dead End	30	30	1	-	-	-	-	-	6.25	-	-	-
107	105+80	LT	W11-2	II	Ped Crossing	30	30	1	1	-	-	-	-	6.25	-	1	1
			W16-7L	II	Diagonal Arrow	30	18	-	-	-	-	-	-	3.75	-	1	-
108	105+85	CL	R4-7	II	Keep Right	24	30	1	1	-	-	-	5.00	-	-	1	1
			W11-2	II	Ped Crossing	30	30	-	-	-	-	-	-	6.25	-	-	-
			W16-7R	II	Diagonal Arrow	30	18	-	-	-	-	-	-	3.75	-	-	-
109	105+95	RT	W11-2	II	Ped Crossing	30	30	1	1	-	-	-	-	6.25	-	-	-
			W16-7	II	Diagonal Arrow	30	18	-	-	-	-	-	-	3.75	-	1	-
110	106+00	CL	W11-2	II	Ped Crossing	30	30	-	-	-	-	-	-	6.25	-	-	1
			W16-7R	II	Diagonal Arrow	30	18	-	-	-	-	-	-	3.75	-	-	-
111	106+30	CL	R4-7	II	Keep Right	24	30	1	1	-	-	-	5.00	-	-	1	1
112	106+30	LT	N/A	II	Historic Dow ntow n			-	-	-	-	-	-	-	1	-	-
113	106+70	RT	R7-9A	II	No Parking	18	24	1	-	-	-	-	3.00	-	-	-	1
114	106+75	LT	M1-6	II	USH 35	24	24			-	-	-	-	-	-	-	-
			M2-1	II	JCT	21	15	-	-	-	-	-	-	-	-	1	-
115	107+40	LT	N/A	II	Historic Dow ntow n			1	-	-	-	-	-	-	-	-	1
116	107+75	RT	N/A	II	Bus Stop			1	-	-	-	-	-	-	1	-	1
117	108+80	LT	J4-1	II	USH 35	24	24	1	-	-	-	-	-	4.00	-	-	-
				II	JCT	21	15	-	-	-	-	-	-	2.20	-	-	-
118	108+25	LT	W11-2	II	Ped Crossing	30	30	1	-	-	-	-	-	6.25	-	-	1
			W16-9P	II	Ahead	30	18	-	-	-	-	-	-	3.75	-	1	-
119	108+80	LT	R7-9A	II	No Parking	18	24	1	-	-	-	-	3.00	-	-	-	1
120	109+30	RT	R3-17	II	Bike Lane	30	24	1	-	-	-	-	5.00	-	-	-	1
121	110+30	CL	R4-7	II	Keep Right	24	30	1	-	-	-	-	5.00	-	-	-	-
201	111+80	LT	R7-1	II	No Parking	18	24	1	-	-	-	-	3.00	-	-	-	1
202	111+80	RT	R7-1	II	No Parking	18	24	1	-	-	-	-	3.00	-	-	-	1
203	114+45	LT	R3-17	II	Bike Lane	30	24	1	-	-	-	-	5.00	-	-	-	1
204	114+45	RT	R3-17	II	Bike Lane	30	24	1	-	-	-	-	5.00	-	-	-	1
205	116+75	RT	R7-9A	II	No Parking	18	24	1	-	-	-	-	3.00	-	-	-	1
206	116+80	LT	R7-9A	II	No Parking	18	24	1	-	-	-	-	3.00	-	-	-	1
207	117+00	CL	R4-7	II	Keep Right	24	30	1	-	-	-	-	5.00	-	-	-	-
208	118+20	RT	R3-17	II	Bike Lane	30	24	1	-	-	-	-	5.00	-	-	-	1

ALL ITEMS ON THIS PAGE ARE CATEGORY 0010
UNLESS OTHERWISE NOTED

PERMANENT SIGNING

SIGN NO.	STA	OFFSET	SIGN CODE	SIGN TYPE	SIGN MESSAGE	TYPE II SIGN SIZE W [IN.]	TYPE II SIGN SIZE H [IN.]	SPV.0060 110. POSTS STEEL U-CHANNEL 14-FT (EA)	SPV.0060 111. INSTALL V-LOC SIGN SUPPORT (EA)	204.0195 REMOVING CONCRETE BASES * (EA)	204.0246 REMOVING ANCILLARY STRUCTURE (EA)	633.5350 MARKERS PERMANENT FLEXIBLE (EA)	637.2210 SIGNS TYPE II REFLECTIVE H (SF)	637.2230 SIGNS TYPE II REFLECTIVE F (SF)	638.2102 MOVING SIGNS TYPE II (EA)	638.2602 REMOVING SIGNS TYPE II (EA)	638.3000 REMOVING SMALL SIGN SUPPORTS (EA)
209	118+55	LT	R3-17	II	Bike Lane	30	24	-	-	-	-	-	5.00	-	-	1	1
210	120+60	RT	R7-9A	II	No Parking	18	24	1	-	-	-	-	3.00	-	-	-	1
			N/A	II	Bus Stop			1	-	-	-	-	-	-	1	-	-
211	120+65	LT	R7-9A	II	No Parking	18	24	1	-	-	-	-	3.00	-	-	-	1
212	120+80	RT	J4-1	II	USH 16	24	24	1	-	-	-	-	-	4.00	-	-	1
				II	East	24	12	-	-	-	-	-	-	2.00	-	1	-
213	117+75	LT	R3-9D	II	End	24	6	1	-	-	-	-	-	1.00	-	-	-
			R3-9B	II	Lane Control	24	36	-	-	-	-	-	-	6.00	-	-	-
214	117+75	RT	R3-9C	II	Begin	24	6	1	-	-	-	-	-	1.00	-	-	-
			R3-9B	II	Lane Control	24	36	-	-	-	-	-	-	6.00	-	-	-
215	118+50	RT	W3-3	II	Signal Ahead	36	36	1	-	-	-	-	-	9.00	-	-	-
301	122+75	RT	R3-17	II	Bike Lane	30	24	1	-	-	-	-	5.00	-	-	-	1
302	122+30	LT	R3-17	II	Bike Lane	30	24	1	-	-	-	-	5.00	-	-	-	1
303	123+25	LT	R7-9A	II	No Parking	18	24	1	-	-	-	-	3.00	-	-	-	-
304	124+10	LT	R7-1	II	No Parking	18	24	-	-	-	-	-	-	-	-	-	-
305	124+25	LT	J4-1	II	USH 16	24	24	1	-	-	-	-	-	4.00	-	-	1
				II	West	24	12	-	-	-	-	-	-	2.00	-	1	-
306	125+15	RT	R3-8LF	II	Lane Control	36	30	1	-	-	-	-	7.50	-	-	-	-
307	125+00	RT	R7-9A	II	No Parking	18	24	1	-	-	-	-	-	3.00	-	-	1
308	125+00	RT	R3-5L	II	Left Turn Only	42	48	-	-	-	1	-	-	-	-	-	-
			R3-6R	II	Ahead & Rt Turn	42	48	-	-	-	-	-	-	-	-	1	-
			DX-X	II	Veterans Hall			-	-	-	-	-	-	-	1	-	-
309	127+70	RT	R7-9A	II	No Parking	18	24	1	-	-	-	-	5.00	-	-	-	1
310	129+25	LT	R3-5L	II	Left Turn Only	42	48	-	-	-	1	-	-	-	-	1	-
			R3-6R	II	Ahead & Rt Turn	42	48	-	-	-	-	-	-	-	-	1	-
			DX-X	II	Veterans Hall			-	-	-	-	-	-	-	1	-	-
311	129+50	LT	R3-8LF	II	Lane Control	36	30	1	-	-	-	-	7.50	-	-	-	-
312	130+10	RT	R3-17	II	Bike Lane	30	24	1	-	-	-	-	5.00	-	-	-	1
401	133+10	LT	R7-9A	II	No Parking	18	24	1	-	-	-	-	3.00	-	-	-	1
402	133+10	RT	R3-17	II	Bike Lane	30	24	1	-	-	-	-	5.00	-	-	-	1
403	134+80	LT	R3-17	II	Bike Lane	30	24	1	-	-	-	-	5.00	-	-	-	-
404	135+25	RT	R2-1	II	Speed Limit	24	30	1	1	1	-	-	5.00	-	-	1	1
405	135+35	LT	R3-17	II	Bike Lane	30	24	-	-	-	-	-	-	-	-	1	1
406	135+50	LT	J4-1	II	USH 16	24	24	1	-	-	-	-	-	4.00	-	-	1
				II	West	24	12	-	-	-	-	-	-	2.00	-	1	-
407	136+30	RT	W11-2	II	Ped Crossing	30	30	1	-	-	-	-	-	6.25	-	-	1
			W16-9P	II	Ahead	30	18	-	-	-	-	-	-	3.75	-	1	-
408	137+75	LT	R7-9A	II	No Parking	18	24	1	-	-	-	-	3.00	-	-	-	1
409	138+50	CL	R4-7	II	Keep Right	24	30	1	-	-	-	-	5.00	-	-	-	-
410	139+20	RT	J4-1	II	USH 16	24	24	1	-	-	-	-	-	4.00	-	-	1
				II	East	24	12	-	-	-	-	-	-	2.00	-	1	-
411	139+50	RT	W11-2	II	Ped Crossing	30	30	1	1	-	-	-	-	6.25	-	-	-
			W16-7L	II	Diagonal Arrow	30	18	-	-	-	-	-	-	3.75	-	-	-
412	139+50	CL	W11-2	II	Ped Crossing	30	30		-	-	-	-	-	6.25	-	-	-
			W16-7L	II	Diagonal Arrow	30	18	-	-	-	-	-	-	3.75	-	-	-
413	139+60	CL	R4-7	II	Keep Right	24	30	1	-	-	-	-	5.00	-	-	-	-
			W11-2	II	Ped Crossing	30	30		-	-	-	-	-	6.25	-	-	-
			W16-7R	II	Diagonal Arrow	30	18	-	-	-	-	-	-	3.75	-	-	-

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PERMANENT SIGNING

SIGN NO.	STA	OFFSET	SIGN CODE	SIGN TYPE	SIGN MESSAGE	TYPE II SIGN SIZE W [IN.]	TYPE II SIGN SIZE H [IN.]	SPV.0060 110. POSTS STEEL U-CHANNEL 14-FT (EA)	SPV.0060 111. INSTALL V-LOC SIGN SUPPORT (EA)	204.0195 REMOVING CONCRETE BASES * (EA)	204.0246 REMOVING ANCILLARY STRUCTURE (EA)	633.5350 MARKERS PERMANENT FLEXIBLE (EA)	637.2210 SIGNS TYPE II REFLECTIVE H (SF)	637.2230 SIGNS TYPE II REFLECTIVE F (SF)	638.2102 MOVING SIGNS TYPE II (EA)	638.2602 REMOVING SIGNS TYPE II (EA)	638.3000 REMOVING SMALL SIGN SUPPORTS (EA)
414	139+65	LT	W11-2	II	Ped Crossing	30	30	1	-	-	-	-	-	6.25	-	-	1
			W16-7L	II	Diagonal Arrow	30	18	-	-	-	-	-	-	3.75	-	1	-
415	140+00	LT	R1-1	II	Stop	30	30	1	-	-	-	-	5.18	-	-	-	1
416	140+00	RT	R1-1	II	Stop	30	30	1	-	-	-	-	5.18	-	-	-	1
417	140+80	RT	R3-17	II	Bike Lane	30	24	1	-	-	-	-	5.00	-	-	-	1
418	140+85	LT	R3-17	II	Bike Lane	30	24	1	-	-	-	-	5.00	-	-	-	1
419	141+75	LT	W11-2	II	Ped Crossing	30	30	1	-	-	-	-	-	6.25	-	-	-
			W16-9P	II	Ahead	30	18	-	-	-	-	-	-	3.75	-	-	-
420	142+00	RT	R1-1	II	Stop	30	30	1	-	-	-	-	5.18	-	-	-	1
421	142+20	LT	W11-2	II	Ped Crossing	30	30	-	-	-	-	-	-	-	-	1	1
			W16-7L	II	Diagonal Arrow	30	18	-	-	-	-	-	-	-	-	1	-
422	142+55	RT	R7-1	II	No Parking	18	24	1	-	-	-	-	3.00	-	-	-	1
423	142+65	LT	R7-9A	II	No Parking	18	24	1	-	-	-	-	3.00	-	-	-	1
424	143+30	LT	R1-1	II	Stop	30	30	1	-	-	-	-	5.18	-	-	-	1
501	144+50	LT	R3-17	II	Bike Lane	30	24	1	-	-	-	-	5.00	-	-	-	1
502	144+50	RT	R3-17	II	Bike Lane	30	24	-	-	-	-	-	-	-	-	1	1
			S1-1	II	School Zone	36	36	-	-	-	-	-	-	-	-	1	-
503	144+75	RT	R3-17	II	Bike Lane	30	24	1	-	-	-	-	5.00	-	-	-	-
504	144+90	CL	R4-7	II	Keep Right	24	30	1	1	-	-	-	5.00	-	-	-	-
505	145+00	LT	S1-1	II	School Zone	36	36	1	1	-	-	-	-	6.75	-	1	1
506	139+40	CL	R4-7	II	Keep Right	24	30	1	-	-	-	-	5.00	-	-	-	-
507	145+50	RT	R1-1	II	Stop	30	30	1	-	-	-	-	5.18	-	-	-	1
508	146+05	RT	R7-9A	II	No Parking	18	24	1	-	-	-	-	3.00	-	-	-	1
509	146+10	LT	R7-9A	II	No Parking	18	24	1	-	-	-	-	3.00	-	-	-	1
510	146+35	LT	R1-1	II	Stop	30	30	1	-	-	-	-	5.18	-	-	-	1
511	147+00	LT	R2-1	II	Speed Limit	24	30	1	1	1	-	-	5.00	-	-	1	1
512	147+75	RT	R3-17	II	Bike Lane	30	24	1	-	-	-	-	5.00	-	-	-	1
513	148+10	CL	R4-7	II	Keep Right	24	30	1	1	-	-	-	5.00	-	-	-	-
514	148+25	LT	J4-1	II	USH 16	24	24	1	-	-	-	-	-	4.00	-	-	1
				II	West	24	12	-	-	-	-	-	-	2.00	-	1	-
515	148+80	CL	R6-2	II	One Way	24	30	1	1	-	-	-	5.00	-	-	-	-
516	149+00	LT	R2-1	II	Speed Limit	24	30	1	-	-	-	-	5.00	-	-	-	1
			R7-9A	II	No Parking	18	24	-	-	-	-	-	3.00	-	-	1	-
517	149+15	RT	R1-1	II	Stop	30	30	1	-	-	-	-	5.18	-	-	-	1
			R6-2	II	One Way	24	30		-	-	-	-	5.00	-	-	-	-
518	149+70	LT	R1-1	II	Stop	30	30	1	-	-	-	-	5.18	-	-	-	1
			R6-2	II	One Way	24	30		-	-	-	-	5.00	-	-	-	-
519	149+75	RT	J2-2	II	USH 16	24	24	2	-	-	-	-	-	4.00	-	-	1
				II	East	24	12	-	-	-	-	-	-	2.00	-	1	-
				II	Turn Arrow	21	21	-	-	-	-	-	-	3.06	-	1	-
				II	I 94	24	24	-	-	-	-	-	-	3.13	-	1	-
				II	To	24	12	-	-	-	-	-	-	2.00	-	1	-
				II	Turn Arrow	21	21	-	-	-	-	-	-	3.06	-	1	-
520	149+80	CL	R6-2	II	One Way	24	30	1	1	-	1	-	5.00	-	-	-	-
521	149+95	RT	D11-1	II	Bike Route	24	18	1	-	-	-	-	-	3.00	-	1	1
			MK6-1	II	Arrow	21	21	-	-	-	-	-	-	3.06	-	1	-
522	150+80	CL	R4-7	II	Keep Right			-	-	-	-	-	-	-	-	1	1
523	144+30	RT	S1-1	II	School Zone	36	36	1	-	-	-	-	-	6.75	-	-	-
524	147+85	LT	R3-9C	II	Begin	24	6	1	-	-	-	-	-	1.00	-	-	-
			R3-9B	II	Lane Control	24	36	-	-	-	-	-	-	6.00	-	-	-
525	147+85	RT	R3-9D	II	End	24	6	1	-	-	-	-	-	1.00	-	-	-
			R3-9B	II	Lane Control	24	36	-	-	-	-	-	-	6.00	-	-	-
TOTALS								**84**	**12**	**2**	**3**	**1**	**275.00**	**230.00**	**5**	**36**	**64**

*SEE ADDITIONAL QUANTITIES ELSEWHERE

ALL ITEMS ON THIS PAGE ARE CATEGORY 0010
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PAVEMENT MARKING

LOCATION			646.8120 MARKING CURB EPOXY CAT 0010 (LF)	646.8220 MARKING ISLAND NOSE EPOXY CAT 0010 (EA)	SPV.0060 .301 MARKING ARROW GROOVED EPOXY CAT 0060 (EA)	SPV.0060 .302 MARKING WORD GROOVED EPOXY CAT 0060 (EA)	SPV.0060 .303 MARKING SYMBOL GROOVED EPOXY CAT 0060 (EA)	SPV.0060 .304 MARKING YEILD LINE GROOVED EPOXY 24-INCH CAT 0060 (EA)	SPV.0090 .301 MARKING CROSSWALK GROOVED EPOXY TRANSVERSE LINE 12-INCH CAT 0060 (LF)	SPV.0090 .302 MARKING STOP LINE GROOVED EPOXY 12-INCH CAT 0060 (LF)	SPV.0090 .303 MARKING CROSSWALK GROOVED EPOXY BLOCK STYLE 24-INCH CAT 0060 (LF)	SPV.0090 .304 MARKING LINE GROOVED EPOXY 4-INCH *YELLOW* CAT 0060 (LF)	SPV.0090 .305 MARKING LINE GROOVED EPOXY 6-INCH *WHITE* CAT 0060 (LF)	SPV.0090 .306 MARKING LINE GROOVED EPOXY 8-INCH CAT 0060 (LF)
097+97	*to*	*103+95*	29	-	2	-	-	-	-	26	-	845	-	389
103+95	*to*	*126+25*	122	2	14	-	14	19	97	37	66	4890	3847	343
126+25	*to*	*127+25*	-	-	-	-	1	-	395	72	-	30	19	32
127+25	*to*	*140+00*	28	-	11	-	10	10	67	42	126	3993	1825	334
140+00	*to*	*150+77*	81	1	7	-	10	6	-	-	168	2391	1597	93
150+77	*to*	*151+60*	-	-	-	1	-	-	-	21	-	-	-	154
TOTALS			**260**	**3**	**34**	**1**	**35**	**35**	**559**	**198**	**360**	**12149**	**7289**	**1345**

CONSTRUCTION STAKING

LOCATION			CATEGORY	650.4000 CONSTRUCTION STAKING STORM SEWER (EA)	650.4500 CONSTRUCTION STAKING SUBGRADE (LF)	650.5000 CONSTRUCTION STAKING BASE (LF)	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER (LF)	650.7000 CONSTRUCTION STAKING CONCRETE PAVEMENT (LF)	650.9000 CONSTRUCTION STAKING CURB RAMPS (EACH)	650.9910 SUPPLEMENTAL CONTROL (6020-04-72) (LS)
PROJECT				97	-	-	-		-	1
097+97	*to*	*103+95*	0010	-	598	598	-	598	-	-
103+95	*to*	*126+25*	0010	-	2230	2230	4764	-	8	-
126+25	*to*	*127+25*	0010	-	100	100	280	-	8	-
127+25	*to*	*140+00*	0010	-	1275	1275	2580	-	10	-
140+00	*to*	*150+77*	0010	-	1077	1077	2271	-	24	-
150+77	*to*	*151+60*	0010	-	83	83	84	-	-	-
TOTALS				**97**	**5363**	**5363**	**9979**	**598**	**50**	**1**

SAWING

LOCATION			CATEGORY	690.0150 SAWING ASPHALT (LF)	690.0250 SAWING CONCRETE (LF)
097+97	*to*	*103+95*	0010	-	871
103+95	*to*	*126+25*	0010	196	257
126+25	*to*	*127+25*	0010	61	61
127+25	*to*	*140+00*	0010	94	133
140+00	*to*	*150+77*	0010	302	469
150+77	*to*	*151+60*	0010	-	311
TOTALS				**653**	**2102**

Pull Boxes

Category	Station	Dir	Location	653.0164 Pull Boxes Non-Conductive 24x42-Inch EACH	Description
0010	127 + 20	LEFT	26	1	PB1
0010	127 + 31	RIGHT	42	1	PB2
0010	126 + 61	RIGHT	43	1	PB3
0010	126 + 39	RIGHT	26	1	PB4
0010	126 + 56	LEFT	26	1	PB5
0010	127 + 4	LEFT	41	1	PB6
0050	106 + 3	LEFT	29	1	PB101
0050	106 + 4	RIGHT	3	1	PB102
0050	106 + 4	RIGHT	25	1	PB103
0050	114 + 97	RIGHT	25	1	PB104
0050	114 + 97	RIGHT	1	1	PB105
0050	114 + 96	LEFT	24	1	PB106
0050	115 + 42	LEFT	27	1	PB107
0050	115 + 54	LEFT	26	1	PB108
0050	115 + 54	RIGHT	1	1	PB109
0050	115 + 55	RIGHT	25	1	PB110
0050	119 + 56	RIGHT	25	1	PB111
0050	119 + 99	RIGHT	25	1	PB112
0050	123 + 46	RIGHT	25	1	PB113
0050	123 + 88	RIGHT	25	1	PB114
0050	139 + 46	RIGHT	27	1	PB115
0050	139 + 46	LEFT	4	1	PB116
0050	139 + 46	LEFT	26	1	PB117
0050	139 + 82	LEFT	26	1	PB118
0050	139 + 94	LEFT	37	1	PB119
0050	140 + 37	LEFT	26	1	PB120
0050	140 + 64	LEFT	25	1	PB121
0050	140 + 64	RIGHT	25	1	PB122
0050	141 + 46	RIGHT	25	1	PB123
0050	142 + 14	RIGHT	25	1	PB124
0050	145 + 4	RIGHT	25	1	PB125
0050	145 + 63	RIGHT	25	1	PB126
0050	148 + 44	RIGHT	25	1	PB127
0050	148 + 45	RIGHT	1	1	PB128
0010	127 + 37	RIGHT	36	1	PB7
		CAT 0010 Total		**7**	
		CAT 0050 Total		**28**	
		Project Total		**35**	

Signal/Lighting Bases

Category	Station	Dir	Location	654.0101 Concrete Bases Type 1 EACH	654.0102 Concrete Bases Type 2 EACH	654.0105 Concrete Bases Type 5 EACH	Description
0010	127 + 38	LEFT	25	1			SB1
0010	127 + 36	RIGHT	28		1		SB2
0010	127 + 27	RIGHT	36	1			SB3
0010	126 + 57	RIGHT	40		1		SB4
0010	126 + 42	RIGHT	28	1			SB5
0010	126 + 42	LEFT	26		1		SB6
0010	126 + 63	LEFT	36	1			SB7
0010	127 + 7	LEFT	36		1		SB8
0050	105 + 98	RIGHT	3			1	LB1
0050	107 + 41	RIGHT	25			1	LB2
0050	108 + 67	RIGHT	26			1	LB3
0050	109 + 92	RIGHT	26			1	LB4
0050	111 + 25	RIGHT	26			1	LB5
0050	112 + 60	RIGHT	26			1	LB6
0050	114 + 1	RIGHT	26			1	LB7
0050	115 + 28	LEFT	25			1	LB8
0050	116 + 62	RIGHT	26			1	LB9
0050	117 + 94	RIGHT	26			1	LB10
0050	119 + 31	RIGHT	26			1	LB11
0050	120 + 65	RIGHT	26			1	LB12
0050	122 + 0	RIGHT	26			1	LB13
0050	123 + 35	RIGHT	26			1	LB14
0050	124 + 72	RIGHT	26			1	LB15
0050	128 + 82	RIGHT	26			1	LB16
0050	130 + 14	RIGHT	26			1	LB17
0050	131 + 46	RIGHT	26			1	LB18
0050	132 + 54	RIGHT	26			1	LB19
0050	133 + 95	RIGHT	26			1	LB20
0050	135 + 44	RIGHT	25			1	LB21
0050	136 + 84	RIGHT	26			1	LB22
0050	138 + 18	RIGHT	27			1	LB23
0050	139 + 52	LEFT	26			1	LB24
0050	140 + 89	RIGHT	26			1	LB25
0050	142 + 28	RIGHT	26			1	LB26
0050	143 + 75	RIGHT	25			1	LB27
0050	144 + 89	RIGHT	25			1	LB28
0050	146 + 30	RIGHT	26			1	LB29
0050	147 + 67	RIGHT	25			1	LB30
0050	148 + 82	LEFT	0			1	LB31
0050	150 + 38	LEFT	1			1	LB32
		CAT 0010 Total		**4**	**4**	**0**	
		CAT 0050 Total		**0**	**0**	**32**	
		Project Total		**4**	**4**	**32**	

3

FILE NAME :
PLOT DATE :
PLOT BY :
PLOT NAME :
ORG DATE :
ORIGINATOR : DIST _
PLOT SCALE : 1:1

Electrical Conduit

Category	Station	to	Station	652.0225 Conduit Rigid Nonmetallic Schedule 40 2-Inch LF	652.0235 Conduit Rigid Nonmetallic Schedule 40 3-Inch LF	Description
0010	127 + 12	to	127 + 20		66	SC1 to PB1
0010	127 + 20	to	127 + 37		194	PB1 to PB7
0010	127 + 37	to	127 + 31		26	PB7 to PB2
0010	127 + 31	to	126 + 61		211	PB2 to PB3
0010	126 + 61	to	126 + 39		85	PB3 to PB4
0010	126 + 39	to	126 + 56		109	PB4 to PB5
0010	126 + 56	to	127 + 04		101	PB5 to PB6
0010	127 + 04	to	127 + 12		30	PB6 to SC1
0010	127 + 20	to	127 + 38	19		PB1 to SB1
0010	127 + 31	to	127 + 36	15		PB2 to SB2
0010	127 + 31	to	127 + 27	8		PB2 to SB3
0010	126 + 61	to	126 + 57	6		PB3 to SB4
0010	126 + 39	to	126 + 42	5		PB4 to SB5
0010	126 + 56	to	126 + 42	15		PB5 to SB6
0010	126 + 56	to	126 + 63	13		PB5 to SB7
0010	127 + 04	to	127 + 07	6		PB6 to SB8
0050	106 + 03	to	106 + 04	33		PB101 to PB102
0050	105 + 98	to	106 + 04	7		LB1 to PB102
0050	106 + 04	to	106 + 04	23		PB102 to PB103
0050	106 + 04	to	107 + 41	138		PB103 to LB2
0050	107 + 41	to	108 + 67	127		LB2 to LB3
0050	108 + 67	to	109 + 92	125		LB3 to LB4
0050	109 + 92	to	111 + 25	133		LB4 to LB5
0050	111 + 25	to	112 + 60	135		LB5 to LB6
0050	112 + 60	to	114 + 01	142		LB6 to LB7
0050	114 + 01	to	114 + 97	97		LB7 to PB104
0050	114 + 97	to	114 + 97		49	PB104 to PB105
0050	114 + 97	to	114 + 96	51		PB105 to PB106
0050	114 + 96	to	115 + 42	93		PB106 to PB107
0050	115 + 42	to	115 + 28	15		PB107 to LB8
0050	115 + 42	to	115 + 48	13		PB107 to LC1
0050	115 + 48	to	115 + 54	14		LC1 to PB108
0050	115 + 54	to	115 + 54	53		PB108 to PB109
0050	115 + 54	to	115 + 55	49		PB109 to PB110
0050	115 + 55	to	116 + 62	108		PB110 to LB9
0050	116 + 62	to	117 + 94	132		LB9 to LB10
0050	117 + 94	to	119 + 31	137		LB10 to LB11
0050	119 + 31	to	119 + 56	26		LB11 to PB111
0050	119 + 56	to	119 + 99	44		PB111 to PB112
0050	119 + 99	to	120 + 65	67		PB112 to LB12
0050	120 + 65	to	122 + 00	135		LB12 to LB13
0050	122 + 00	to	123 + 35	135		LB13 to LB14
0050	123 + 35	to	123 + 46	12		LB14 to PB113
0050	123 + 46	to	123 + 88	43		PB113 to PB114
0050	123 + 88	to	124 + 72	85		PB114 to LB15
0010	127 + 31	to	128 + 82	152		PB2 to LB16
0050	128 + 82	to	130 + 14	264		LB16 to LB17
0050	130 + 14	to	131 + 46	264		LB17 to LB18
0050	131 + 46	to	132 + 54	216		LB18 to LB19
0050	132 + 54	to	133 + 95	282		LB19 to LB20
0050	133 + 95	to	135 + 44	299		LB20 to LB21
0050	135 + 44	to	136 + 84	281		LB21 to LB22
0050	136 + 84	to	138 + 18	269		LB22 to LB23
0050	138 + 18	to	139 + 46	257		LB23 to PB115
0050	139 + 46	to	140 + 64	119		PB115 to PB122
0050	139 + 46	to	139 + 46	62		PB115 to PB116
0050	139 + 46	to	139 + 46	43		PB116 to PB117
0050	139 + 46	to	139 + 82	72		PB117 to PB118
0050	139 + 82	to	139 + 52	30		PB118 to LB24
0050	139 + 82	to	139 + 92	42		PB118 to LC2
0050	139 + 92	to	139 + 94	15		LC2 to PB119
0050	139 + 94	to	140 + 37	89		PB119 to PB120
0050	140 + 37	to	140 + 64	55		PB120 to PB121
0050	140 + 64	to	140 + 64	101		PB121 to PB122
0050	140 + 64	to	140 + 89	51		PB122 to LB25
0050	140 + 89	to	141 + 46	115		LB25 to PB123
0050	141 + 46	to	142 + 14	137		PB123 to PB124
0050	142 + 14	to	142 + 28	29		PB124 to LB26
0050	142 + 28	to	143 + 75	295		LB26 to LB27
0050	143 + 75	to	144 + 89	229		LB27 to LB28
0050	144 + 89	to	145 + 04	31		LB28 to PB125
0050	145 + 04	to	145 + 63	119		PB125 to PB126
0050	145 + 63	to	146 + 30	135		PB126 to LB29
0050	146 + 30	to	147 + 67	275		LB29 to LB30
0050	147 + 67	to	148 + 44	155		LB30 to PB127
0050	148 + 44	to	148 + 45	25		PB127 to PB128
0050	148 + 45	to	148 + 82	38		PB128 to LB31
0050	148 + 82	to	150 + 38	157		LB31 to LB32
			CAT 0010 Total	**239**	**822**	
			CAT 0050 Total	**6723**	**49**	
			Project Total	**6962**	**871**	

Poles, Arms & Equipment

Category	Station	Dir	Location	657.0100 Pedestal Bases EACH	657.0255 Transformer Bases Breakaway 11 1/2 Inch Bolt Circle EACH	657.0425 Traffic Signal Standard Aluminum 15' EACH	657.0310 Poles Type 3 EACH	657.0585 Trombone Arms 15-FT EACH	657.0590 Trombone Arms 20-FT EACH	657.0595 Trombone Arms 25-FT EACH	657.0322 Poles Type 5-Aluminum EACH	657.0710 Luminaire Arms Truss Member 4.5-Inch Clamp 12-FT EACH	657.0709 Luminaire Arms Truss Member 4-Inch Clamp 12-FT EACH	658.0173 Traffic Signal Face 3S 12-Inch EACH	658.0174 Traffic Signal Face 4S 12-Inch EACH	658.0500 Pedestrian Push Button EACH	658.0416 Pedestrian Signal Face Ped 16-inch EACH	659.1120 Luminaires Utility LED B EACH	659.1125 Luminaires Utility LED C EACH	SPV.0060.401 Install State Furnished Video Detection System STH 16 & East Ave EACH	SPV.0060.311 Remove, Salvage, & Reinstall EVP System (East Ave & La Crosse St) EACH	Desc
0010	127 + 38	LEFT	25.4	1		1								2		1	1					SB1
0010	127 + 36	RIGHT	28.3		1		1		1				1	1		1	1		1		1	SB2
0010	127 + 27	RIGHT	35.9	1		1								1	1	1	1					SB3
0010	126 + 57	RIGHT	39.7		1		1			1			1		1	1	1		1	1		SB4
0010	126 + 42	RIGHT	28.4	1		1								2		1	1					SB5
0010	126 + 42	LEFT	25.5		1		1	1					1	1		1	1		1			SB6
0010	126 + 63	LEFT	35.9	1		1								1	1	1	1					SB7
0010	127 + 7	LEFT	35.9		1		1	1					1		1	1	1		1			SB8
0050	105 + 98	RIGHT	2.8		1						1	2						2				LB1
0050	107 + 41	RIGHT	25.2		1						1	1						1				LB2
0050	108 + 67	RIGHT	25.5		1						1	1						1				LB3
0050	109 + 92	RIGHT	25.5		1						1	1						1				LB4
0050	111 + 25	RIGHT	25.5		1						1	1						1				LB5
0050	112 + 60	RIGHT	25.5		1						1	1						1				LB6
0050	114 + 1	RIGHT	25.8		1						1	1						1				LB7
0050	115 + 28	LEFT	25.0		1						1	1						1				LB8
0050	116 + 62	RIGHT	25.5		1						1	1						1				LB9
0050	117 + 94	RIGHT	25.5		1						1	1						1				LB10
0050	119 + 31	RIGHT	25.5		1						1	1						1				LB11
0050	120 + 65	RIGHT	25.5		1						1	1						1				LB12
0050	122 + 0	RIGHT	25.5		1						1	1						1				LB13
0050	123 + 35	RIGHT	26		1						1	1						1				LB14
0050	124 + 72	RIGHT	26		1						1	1						1				LB15
0050	128 + 82	RIGHT	26		1						1	1						1				LB16
0050	130 + 14	RIGHT	26		1						1	1						1				LB17
0050	131 + 46	RIGHT	26		1						1	1						1				LB18
0050	132 + 54	RIGHT	26		1						1	1						1				LB19
0050	133 + 95	RIGHT	26		1						1	1						1				LB20
0050	135 + 44	RIGHT	25		1						1	1						1				LB21
0050	136 + 84	RIGHT	26		1						1	1						1				LB22
0050	138 + 18	RIGHT	27		1						1	1						1				LB23
0050	139 + 52	LEFT	26		1						1	1						1				LB24
0050	140 + 89	RIGHT	26		1						1	1						1				LB25
0050	142 + 28	RIGHT	26		1						1	1						1				LB26
0050	143 + 75	RIGHT	25		1						1	1						1				LB27
0050	144 + 89	RIGHT	25		1						1	1						1				LB28
0050	146 + 30	RIGHT	26		1						1	1						1				LB29
0050	147 + 67	RIGHT	25		1						1	1						1				LB30
0050	148 + 82	LEFT	0		1						1	2						2				LB31
0050	150 + 38	LEFT	1		1						1	2						2				LB32
	CAT 0010 Total			**4**	**4**	**4**	**4**	**2**	**1**	**1**	**0**	**0**	**4**	**8**	**4**	**8**	**8**	**0**	**4**	**1**	**1**	
	CAT 0050 Total			**0**	**32**	**0**	**0**	**0**	**0**	**0**	**32**	**35**	**0**	**0**	**0**	**0**	**0**	**35**	**0**	**0**	**0**	
	Project Total			**4**	**36**	**4**	**4**	**2**	**1**	**1**	**32**	**35**	**4**	**8**	**4**	**8**	**8**	**35**	**4**	**1**	**1**	

Electrical Items

Category	Station	Dir	Location	656.0200.001 Electrical Service Meter Breaker Pedestal East Ave LS	656.0200.002 Electrical Service Meter Breaker Pedestal 16th Street LS	656.0200.003 Electrical Service Meter Breaker Pedestal Hillview Lane LS	650.8500.002 Construction Staking Electrical Installations 7575-07-73 LS	658.5069.002 Signal Mounting Hardware LS	654.0217 Concrete Control Cabinet Bases Type 9 Special EACH	SPV.0060.308 Traffic Signal Controller & Cabinet (East Ave & La Crosse St) EACH	204.9060.S.002 Removing Traffic Signal (East Ave & La Crosse St) EACH	654.0224 Concrete Control Cabinet Bases Type L24 EACH	659.2124 Lighting Control Cabinets 120/240 24-inch EACH	Description
0010	127 + 12	LEFT	46	1				1	1	1	1			SC1
0050	115 + 48	LEFT	28		1							1	1	LC1
0050	139 + 92	LEFT	44			1						1	1	LC2
0010	127 + 12	LEFT	46				1							Project
		CAT 0010 Total		**1**	**0**	**0**	**1**	**1**	**1**	**1**	**1**	**0**	**0**	
		CAT 0050 Total		**0**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**2**	**2**	
		Project Total		**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**2**	**2**	

Signal Wire

Category	Station	to Station	655.0210 Cable Traffic Signal 3-14 AWG LF	655.0230 Cable Traffic Signal 5-14 AWG LF	655.0240 Cable Traffic Signal 7-14 AWG LF	655.0260 Cable Traffic Signal 12-14 AWG LF	655.0305 Cable Type UF 2-12 AWG Grounded LF	655.0515 Electrical Wire Traffic Signals 10 AWG LF	655.0610 Electrical Wire Traffic Lighting 12 AWG LF	655.0900 Traffic Signal EVP Detector Cable LF	Description
0010	127 + 38		15	40							SB1 - Up Pole
0010	127 + 36		15	47					150	27	SB2 - Up Pole
0010	127 + 27		15	40							SB3 - Up Pole
0010	126 + 57		15	52					150		SB4 - Up Pole
0010	126 + 42		15	40							SB5 - Up Pole
0010	126 + 42		15	42					150	22	SB6 - Up Pole
0010	126 + 63		15	40							SB7 - Up Pole
0010	127 + 7		15	42					150		SB8 - Up Pole
0010	127 + 12	to 127 + 38				62					SC1 to SB1
0010	127 + 12	to 127 + 36			137						SC1 to SB2
0010	127 + 12	to 127 + 27				130					SC1 to SB3
0010	127 + 12	to 126 + 57			209						SC1 to SB4
0010	127 + 12	to 126 + 42				162					SC1 to SB5
0010	127 + 12	to 126 + 42			107						SC1 to SB6
0010	127 + 12	to 126 + 63				105					SC1 to SB7
0010	127 + 12	to 127 + 7			37						SC1 to SB8
0010	127 + 12	to 127 + 36					137				SC1 to SB2
0010	127 + 12	to 126 + 57					209				SC1 to SB4
0010	127 + 12	to 126 + 42					107				SC1 to SB6
0010	127 + 12	to 127 + 7					37				SC1 to SB8
0010	127 + 12	to 126 + 42						399			SC1 to SB5 Grounding Conductor
0010	126 + 42	to 127 + 12						272			SB5 to SC1 Grounding Conductor
0010	127 + 12	to 127 + 36								137	SC1 to SB2
0010	127 + 12	to 126 + 42								107	SC1 to SB6
		CAT 0010 Total	**120**	**343**	**490**	**459**	**490**	**671**	**600**	**293**	
		Project Total	**120**	**343**	**490**	**459**	**490**	**671**	**5850***		

*Additional Quantities Shown Elsewhere in Plan

3

Removals

Category	Station	Dir	Location	653.0905 Removing Pull Box EACH	204.0195 Removing Concrete Bases EACH	Description
0010	127 + 12	LEFT	46	8	9	SC1
			CAT 0010 Total	**8**	**9**	
			Project Total	**8**	**9**	

RRFB

Category	Station	SPV.0060.402 Rapid Rectangular Flashing Beacon (Oakland St) EACH	SPV.0060.403 Rapid Rectangular Flashing Beacon (Hillview Ave) EACH	Description
0040	105 + 90	1		Oakland St
0040	139 + 50		1	Hillview Ave
	CAT 0040 Total	**1**	**1**	
	Project Total	**1**	**1**	

Street Light Wire

Category	Station	to	Station	655.0610 Electrical Wire Lighting 12 AWG LF	655.0615 Electrical Wire Lighting 10 AWG LF	655.0620 Electrical Wire Lighting 8 AWG LF	Description
0050	115 + 48	to	105 + 98			5775	LC1 to LB1
0050	115 + 48	to	124 + 72		5560		LC1 to LB15
0050	139 + 92	to	128 + 82			6175	LC2 to LB16
0050	139 + 92	to	147 + 67			4630	LC2 to LB30
0050	147 + 67	to	150 + 38			1650	LB30 to LB32
0050	105 + 98			300			LB1 Up Pole
0050	107 + 41			150			LB2 Up Pole
0050	108 + 67			150			LB3 Up Pole
0050	109 + 92			150			LB4 Up Pole
0050	111 + 25			150			LB5 Up Pole
0050	112 + 60			150			LB6 Up Pole
0050	114 + 01			150			LB7 Up Pole
0050	115 + 28			150			LB8 Up Pole
0050	116 + 62			150			LB9 Up Pole
0050	117 + 94			150			LB10 Up Pole
0050	119 + 31			150			LB11 Up Pole
0050	120 + 65			150			LB12 Up Pole
0050	122 + 00			150			LB13 Up Pole
0050	123 + 35			150			LB14 Up Pole
0050	124 + 72			150			LB15 Up Pole
0050	128 + 82			150			LB16 Up Pole
0050	130 + 14			150			LB17 Up Pole
0050	131 + 46			150			LB18 Up Pole
0050	132 + 54			150			LB19 Up Pole
0050	133 + 95			150			LB20 Up Pole
0050	135 + 44			150			LB21 Up Pole
0050	136 + 84			150			LB22 Up Pole
0050	138 + 18			150			LB23 Up Pole
0050	139 + 52			150			LB24 Up Pole
0050	140 + 89			150			LB25 Up Pole
0050	142 + 28			150			LB26 Up Pole
0050	143 + 75			150			LB27 Up Pole
0050	144 + 89			150			LB28 Up Pole
0050	146 + 30			150			LB29 Up Pole
0050	147 + 67			150			LB30 Up Pole
0050	148 + 82			300			LB31 Up Pole
0050	150 + 38			300			LB32 Up Pole
	CAT 0050 Total			**5250**	**5560**	**18230**	
	Project Total			**5850***	**5560**	**18230**	

*Additional Quantities Elsewhere in Plan

STATE OF WISCONSIN
CITY OF LA CROSSE
TRANSPORTATION PROJECT PLAT TITLE SHEET
7575-07-23
C LA CROSSE, LA CROSSE STREET
(OAKLAND ST TO LOSEY BLVD)
STH 16
LA CROSSE COUNTY



CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W OR HE LINE
PROPERTY LINE
LOT, TIE & OTHER MINOR LINES
SLOPE INTERCEPT
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC)
NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT AREA
EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
BUILDING — TO BE REMOVED
BRIDGE

SECTION CORNER SYMBOL
SECTION CORNER MONUMENT
R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND IRON PIN (1-INCH UNLESS NOTED) IP
GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
SIGN
OFF-PREMISE SIGN

	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE		
TELEPHONE POLE		
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)		

ACCESS RESTRICTED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
NO ACCESS (NEW HIGHWAY)
PARCEL NUMBER 25 — UTILITY NUMBER 40
PARALLEL OFFSETS

CONVENTIONAL ABBREVIATIONS

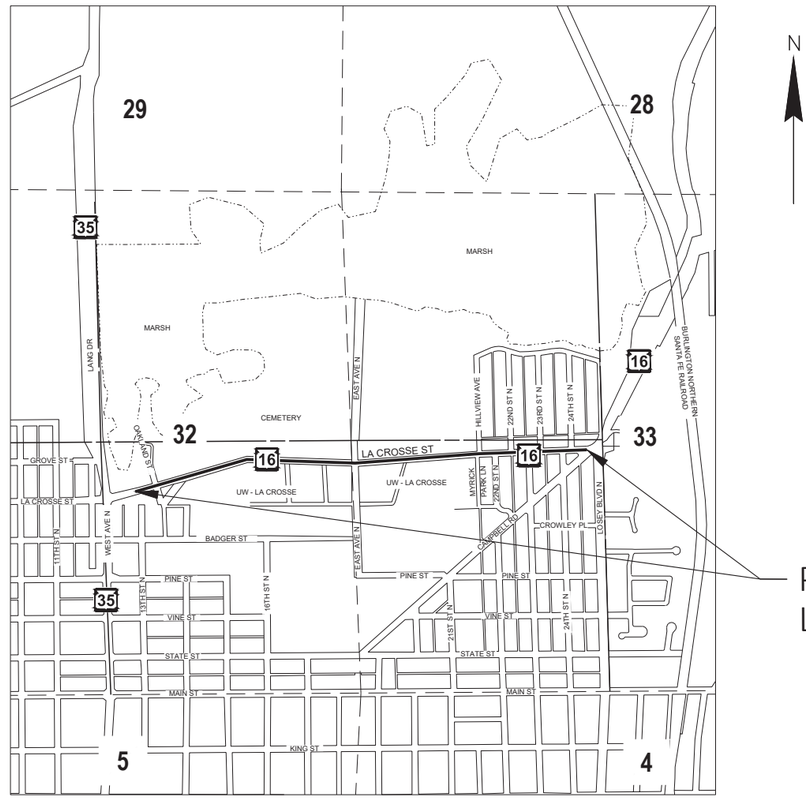
ACCESS RIGHTS	AR	POINT OF INTERSECTION	PI
ACRES	AC	PROPERTY LINE	PL
AHEAD	AH	RECORDED AS	(100')
ALUMINUM	ALUM	REEL / IMAGE	R/I
AND OTHERS	ET AL	REFERENCE LINE	R/L
BACK	BK	REMAINING	REM
BLOCK	BLK	RESTRICTIVE DEVELOPMENT EASEMENT	RDE
CENTERLINE	C/L	RIGHT	RT
CERTIFIED SURVEY MAP	CSM	RIGHT OF WAY	R/W
CONCRETE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

W — WATER
G — GAS
T — TELEPHONE
OH — OVERHEAD TRANSMISSION LINES
E — ELECTRIC
TV — CABLE TELEVISION
FO — FIBER OPTIC
SAN — SANITARY SEWER
SS — STORM SEWER



PROJECT LOCATION

N

LAYOUT
SCALE 0 800 FT

THE NOTES, CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 7575-07-23.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), LA CROSSE 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. NGS POINT UTILIZED WAS DH5435.

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 CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE CITY OF LA CROSSE.

PARCEL AND UTILITY IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE TPP DETAIL PAGES.

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

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 7575-07-23-4.01
AMENDMENT NO:
SHEET 2 OF 2

TRANSPORTATION PROJECT PLAT NO: 7575-07-23-4.01

THAT PART OF LOTS 26 AND 27 OF BLOCK 2, AND PART OF LOT 7 OF BLOCK 1, AND PART OF LOT 10 OF BLOCK 3, AND PART OF LOT 8 OF BLOCK 3, ALL IN D C EVANS ADDITION, AND PART OF LOTS 1, 2, 6, 7, 8 AND 24 OF SAMUEL T SMITH'S ADDITION, LOCATED IN PART OF THE NW 1/4 OF THE SE 1/4, SECTION 32, TOWNSHIP 16 NORTH, RANGE 7 WEST, CITY OF LA CROSSE, LA CROSSE COUNTY, WISCONSIN.

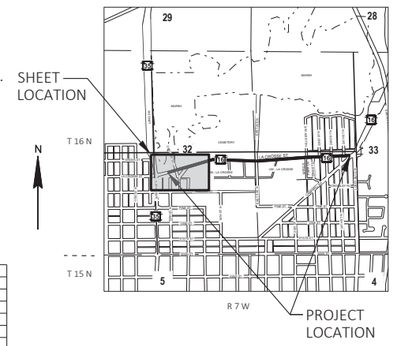
RELOCATION ORDER OF STH 16 C LA CROSSE, LA CROSSE STREET, OAKLAND ST TO LOSEY BLVD, LA CROSSE COUNTY.

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF LA CROSSE 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 62.22, WISCONSIN STATUTES, THE CITY OF LA CROSSE 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 CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF LA CROSSE, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

LOCATION SKETCH
NOT TO SCALE



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), LA CROSSE 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. NGS POINT UTILIZED WAS DH5435.

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.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE CITY OF LA CROSSE.

N

SCALE, FEET
0 50 100

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

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SQUARE FEET REQUIRED			TLE SQUARE FEET
			NEW	EXISTING	TOTAL	
1	DONALD T & LORETTA C CLARKIN TRUST	TLE	-	-	-	342
2	1261 LA CROSSE ST LLC	TLE	-	-	-	96
3	OAK GROVE CEMETERY ASSOCIATION	TLE	-	-	-	2136
4	DIVERSE ENTERPRISES LLC	TLE	-	-	-	134
-	-	-	-	-	-	-
6	CITY OF LA CROSSE	TLE	-	-	-	693

UTILITY INTERESTS REQUIRED		
UTILITY NUMBER	OWNER (S)	INTEREST REQUIRED
80	XCEL ENERGY (GAS)	RELEASE OF RIGHTS

UTILITY EASEMENT TABLE			
UTILITY NUMBER	PARCEL	RECORDING INFORMATION	NAME
80	3,6	NO EASEMENT OF RECORD	

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 7575-07-23-4.01
SHEET 1 OF 2

* LA CROSSE COUNTY PUBLISHED COORDINATE VALUE. COORDINATE VALUES FIELD VERIFIED WITH CORNER TIE SHEETS.

ROAD NAME	BASIS OF EXISTING R/W	YEAR
STH 16	CSM 16-115, V 16, P 115, DOC 1668163	2015
STH 16	PLAT OF SURVEY CL-3308, DOC 16-7-32-4	2012
STH 16	PLAT OF SURVEY CL-3894	2008
STH 16	R/W PLAT 5991-5-15	1981
STH 16	U 5102 (4)	1954
STH 16	SAMUEL T SMITH'S ADDITION	1855
STH 16	D C EVANS ADDITION TO LA CROSSE	1855

FOUND ALUMINUM MONUMENT 90006
*Y= 134,096.905
X= 445,827.366

T 16 N R 7 W — Sec. 31, 32

1/4 LINE

FOUND STONE MONUMENT 90008
*Y= 134,132.576
X= 451,070.284

T 16 N R 7 W — Sec. 32, 33

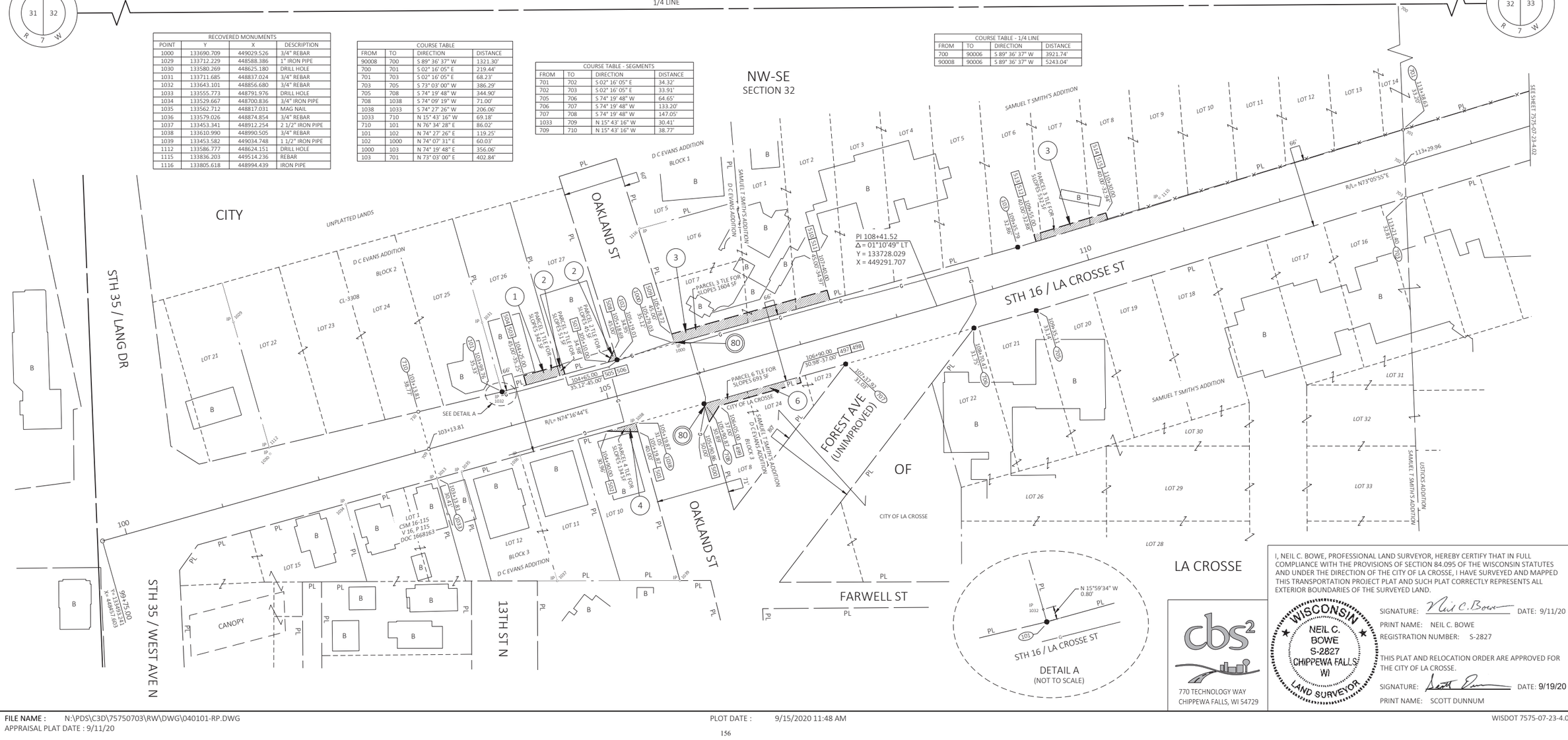
RECOVERED MONUMENTS			
POINT	Y	X	DESCRIPTION
1000	133690.709	449029.526	3/4" REBAR
1029	133712.229	448588.386	1" IRON PIPE
1030	133580.269	448625.180	DRILL HOLE
1031	133711.685	448837.024	3/4" REBAR
1032	133643.101	448856.680	3/4" REBAR
1033	133555.772	448791.976	DRILL HOLE
1034	133529.667	448700.836	3/4" IRON PIPE
1035	133562.712	448817.031	MAG NAIL
1036	133579.026	448874.854	3/4" REBAR
1037	133453.341	448912.254	2 1/2" IRON PIPE
1038	133610.990	448990.505	3/4" REBAR
1039	133453.582	449034.748	1 1/2" IRON PIPE
1112	133586.777	448624.151	DRILL HOLE
1115	133836.203	449514.236	REBAR
1116	133805.618	448994.439	IRON PIPE

COURSE TABLE			
FROM	TO	DIRECTION	DISTANCE
90008	700	S 89° 36' 37" W	1321.30'
700	701	S 02° 16' 05" E	219.44'
701	703	S 02° 16' 05" E	68.23'
703	705	S 73° 03' 00" W	386.29'
705	708	S 74° 19' 48" W	344.90'
708	1038	S 74° 09' 19" W	71.00'
1038	1033	S 74° 27' 26" W	206.06'
1033	710	N 15° 43' 16" W	69.18'
710	101	N 76° 34' 28" E	86.02'
101	102	N 74° 27' 26" E	119.25'
102	1000	N 74° 07' 31" E	60.03'
1000	103	N 74° 19' 48" E	356.06'
103	701	N 73° 03' 00" E	402.84'

COURSE TABLE - SEGMENTS			
FROM	TO	DIRECTION	DISTANCE
701	702	S 02° 16' 05" E	34.32'
702	703	S 02° 16' 05" E	33.91'
705	706	S 74° 19' 48" W	64.65'
706	707	S 74° 19' 48" W	133.20'
707	708	S 74° 19' 48" W	147.05'
1033	709	N 15° 43' 16" W	30.41'
709	710	N 15° 43' 16" W	38.77'

COURSE TABLE - 1/4 LINE			
FROM	TO	DIRECTION	DISTANCE
700	90006	S 89° 36' 37" W	3921.74'
90008	90006	S 89° 36' 37" W	5243.04'

NW-SE
SECTION 32



DETAIL A
(NOT TO SCALE)

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 CITY OF LA CROSSE, 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: 9/11/20
PRINT NAME: NEIL C. BOWE
REGISTRATION NUMBER: S-2827

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF LA CROSSE.

SIGNATURE: Scott Dunnum DATE: 9/19/20
PRINT NAME: SCOTT DUNNUM

TRANSPORTATION PROJECT PLAT NO: 7575-07-23-4.02

THAT PART OF LOTS 27, 29, 30, 33 AND THE VACATED STREETS OF THE PLAT OF USTICK'S ADDITION TO THE TOWN OF LA CROSSE, AND LOT 56 AND A VACATED STREET OF THE PLAT OF USTICK'S ADDITION TO THE CITY OF LA CROSSE, AND THE VACATED 17TH STREET OF WM. H. JUNG'S SUBDIVISION, LOCATED IN AND INCLUDING PART OF THE NE 1/4 OF THE SE 1/4, SECTION 32, TOWNSHIP 16 NORTH, RANGE 7 WEST, CITY OF LA CROSSE, LA CROSSE COUNTY, WISCONSIN.

RELOCATION ORDER OF STH 16 C LA CROSSE, LA CROSSE STREET, OAKLAND ST TO LOSEY BLVD, LA CROSSE COUNTY.

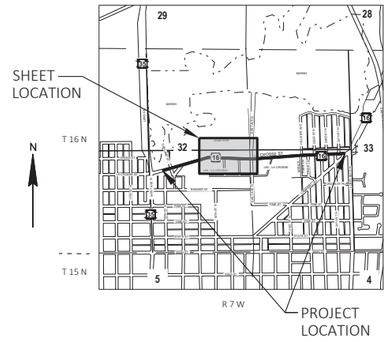
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* LA CROSSE COUNTY PUBLISHED COORDINATE VALUE. COORDINATE VALUES FIELD VERIFIED WITH CORNER TIE SHEETS.

LOCATION SKETCH
NOT TO SCALE



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

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), LA CROSSE 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. NGS POINT UTILIZED WAS DH5435.

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SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SQUARE FEET REQUIRED			TLE SQUARE FEET
			NEW	EXISTING	TOTAL	
3	OAK GROVE CEMETERY ASSOCIATION	TLE	-	-	-	52
7	BOARD OF REGENTS	TLE	-	-	-	4309

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 7575-07-23-4.02

N

SCALE, FEET
0 50 100

FOUND ALUMINUM MONUMENT 90006
*Y= 134,096.905
X= 445,827.366

FOUND STONE MONUMENT 90008
*Y= 134,132.576
X= 451,070.284

1/4 LINE

CITY OF LA CROSSE

NE-SE SECTION 32

PI = 115+43.81
Y = 133932.203
X = 449963.660
Δ = 18°48'53" RT
D = 38°11'50"
T = 24.85'
L = 49.26'
R = 150.00'
PC = 115+18.95
PT = 115+68.21

OAK GROVE CEMETERY ASSOCIATION

STH 16 / LA CROSSE ST

PI 115+43.81
PT 115+68.21
PC 115+18.95
R/L= S88°05'12"E
R/L= N73°05'55"E
R/L= N85°41'22"E
PI 127+26.93
Δ = 06°13'26" LT
Y = 133892.685
X = 451146.570
126+59.95

EAST AVE N
SECTION LINE

SEE SHEET 7575-07-23-4.01
SEE SHEET 7575-07-23-4.03

PARCEL 7 TLE FOR SLOPES 879 SF
PARCEL 7 TLE FOR SLOPES 1107 SF
PARCEL 7 TLE FOR SLOPES 1108 SF
PARCEL 7 TLE FOR SLOPES 1111 SF
PARCEL 7 TLE FOR SLOPES 104 SF
PARCEL 3 TLE FOR SLOPES 52 SF

VACATED STREET
VACATED ALLEY
PARKING RAMP
PLAT OF USTICKS ADDITION TO THE TOWN OF LA CROSSE
PLAT OF USTICKS ADDITION TO THE CITY OF LA CROSSE
SAMUEL T SMITH'S ADDITION
WM. H. JUNG'S SUBDIVISION
BOYD'S SUBDIVISION
(BLOCK 8 USTICK'S ADDITION TO THE CITY OF LA CROSSE)

LOT 24 LOT 25 LOT 26 LOT 27 LOT 28 LOT 29 LOT 30 LOT 31 LOT 32 LOT 33 LOT 54 LOT 55 LOT 56 LOT 58 LOT 59 LOT 60 LOT 67 LOT 68 LOT 69 LOT 76
LOT 1 LOT 2 LOT 3 LOT 4 LOT 6 LOT 15
BLOCK 5 BLOCK 6 BLOCK 7
B

RECOVERED MONUMENTS			
POINT	Y	X	DESCRIPTION
1113	133970.828	449960.490	CONC CAP OFF FENCE
1114	133983.830	449956.541	TIE PT HEX CONC

ROAD NAME	BASIS OF EXISTING R/W	YEAR
STH 16 EAST AVE N	BOYD'S SUBDIVISION	1920
STH 16	USTICKS ADDITION	1855

COURSE TABLE			
FROM	TO	DIRECTION	DISTANCE
90008	104	S 02° 15' 09" E	204.64'
104	712	S 02° 15' 09" E	66.17'
712	714	N 88° 05' 29" W	1114.63'
714	703	S 73° 03' 00" W	215.90'
703	701	N 02° 16' 05" W	68.23'
701	105	N 73° 03' 00" E	209.57'
105	104	S 88° 05' 29" E	1120.79'

COURSE TABLE - 1/4 LINE			
FROM	TO	DIRECTION	DISTANCE
90008	90006	S 89° 36' 37" W	5243.04'

COURSE TABLE - SEGMENTS			
FROM	TO	DIRECTION	DISTANCE
104	711	S 02° 15' 09" E	33.20'
711	712	S 02° 15' 09" E	32.97'
712	713	N 88° 05' 29" W	40.11'
713	714	N 88° 05' 29" W	1074.52'
703	702	N 02° 16' 05" W	33.91'
702	701	N 02° 16' 05" W	34.32'

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 CITY OF LA CROSSE, 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: 9/11/20
PRINT NAME: NEIL C. BOWE
REGISTRATION NUMBER: S-2827

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF LA CROSSE.

SIGNATURE: _____ DATE:
PRINT NAME: SCOTT DUNNUM

TRANSPORTATION PROJECT PLAT NO: 7575-07-23-4.03

THAT PART OF THE NW 1/4 OF THE SW 1/4, SECTION 33, TOWNSHIP 16 NORTH, RANGE 7 WEST,
CITY OF LA CROSSE, LA CROSSE COUNTY, WISCONSIN.

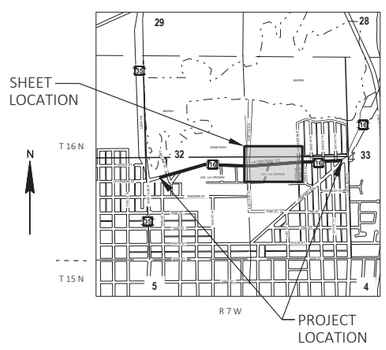
RELOCATION ORDER OF STH 16 C LA CROSSE, LA CROSSE STREET, OAKLAND ST TO LOSEY BLVD, LA CROSSE COUNTY.

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LOCATION SKETCH
NOT TO SCALE



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

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), LA CROSSE 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. NGS POINT UTILIZED WAS DH5435.

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SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SQUARE FEET REQUIRED			TLE SQUARE FEET
			NEW	EXISTING	TOTAL	
3	OAK GROVE CEMETERY ASSOCIATION	TLE	-	-	-	651
6	CITY OF LA CROSSE	TLE	-	-	-	1704
7	BOARD OF REGENTS	TLE	-	-	-	4241

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 7575-07-23-4.03

* LA CROSSE COUNTY PUBLISHED COORDINATE VALUE. COORDINATE VALUES FIELD VERIFIED WITH CORNER TIE SHEETS.

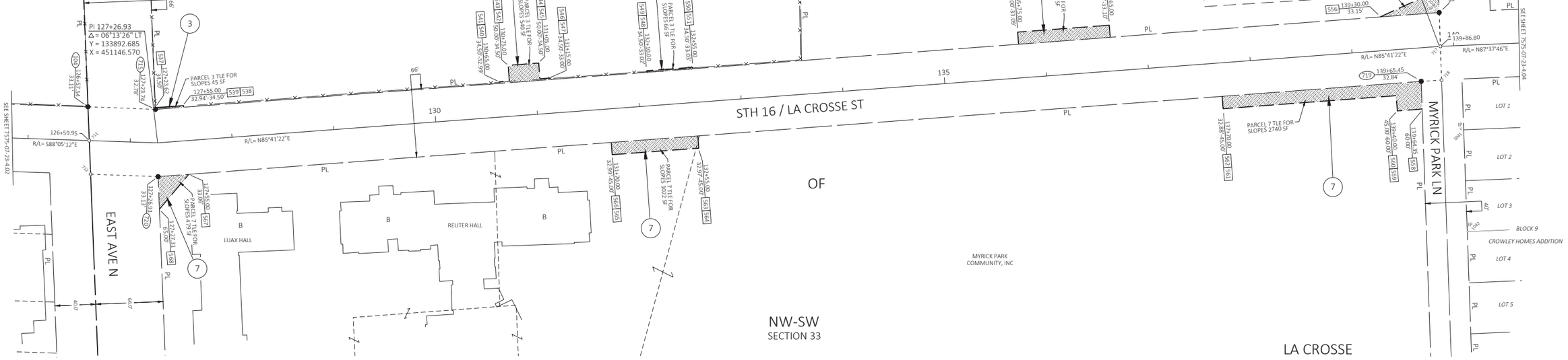
FOUND STONE MONUMENT 90008
*Y= 134,132.576
X= 451,070.284

N

SCALE, FEET
0 50 100

SW-NW
SECTION 33

FOUND IRON PIPE IN CONCRETE 90009
*Y= 134,146.118
X= 456,362.612



OF

NW-SW
SECTION 33

LA CROSSE

RECOVERED MONUMENTS			
POINT	Y	X	DESCRIPTION
1040	134023.141	452398.705	SPIKE NAIL
1041	133906.443	452423.170	TBAR REBAR
1042	133805.679	452429.678	1-1/2" IRON PIPE

ROAD NAME	BASIS OF EXISTING R/W	YEAR
STH 16	CROWLEY HOMES ADDITION	1930
MYRICK PARK LN		
EAST AVE N	BOYD'S SUBDIVISION	1920
STH 16	HILL VIEW PLACE	1908
HILLVIEW AVE		

COURSE TABLE			
FROM	TO	DIRECTION	DISTANCE
90008	104	S 02° 15' 09" E	204.64'
104	715	S 87° 48' 04" E	66.20'
715	716	N 85° 40' 45" E	1260.82'
716	718	S 01° 59' 39" E	66.40'
718	719	S 86° 40' 49" W	20.01'
719	720	S 85° 40' 45" W	1240.51'
720	712	N 87° 54' 53" W	66.19'
712	104	N 02° 15' 09" W	66.17'

COURSE TABLE - 1/4 LINE			
FROM	TO	DIRECTION	DISTANCE
90008	90009	N 89° 51' 12" E	5292.35'

COURSE TABLE - SEGMENTS			
FROM	TO	DIRECTION	DISTANCE
716	717	S 01° 59' 39" E	33.22'
717	718	S 01° 59' 39" E	33.18'
712	711	N 02° 15' 09" W	32.97'
711	104	N 02° 15' 09" W	33.20'

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 CITY OF LA CROSSE, 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: 9/11/20
PRINT NAME: NEIL C. BOWE
REGISTRATION NUMBER: S-2827

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF LA CROSSE.

SIGNATURE: _____ DATE:
PRINT NAME: SCOTT DUNNUM

TRANSPORTATION PROJECT PLAT NO: 7575-07-23-4.04

THAT PART OF LOTS 170, 167, 166, 164, 120, 118, 117, 115, 72, 69, 67 AND 25 OF HILL VIEW PLACE, DOC 177190, AND PART OF LOT 1 OF BLOCK 9, PART OF LOTS 1 AND 12 OF BLOCK 7, PART OF LOTS 1 AND 6 OF BLOCK 4, AND PART OF LOT 1 OF BLOCK 1, CROWLEY HOMES ADDITION, DOC 293597, LOCATED IN PART OF THE NE 1/4 OF THE SW 1/4, SECTION 33, TOWNSHIP 16 NORTH, RANGE 7 WEST, CITY OF LA CROSSE, LA CROSSE COUNTY, WISCONSIN.

RELOCATION ORDER OF STH 16 C LA CROSSE, LA CROSSE STREET, OAKLAND ST TO LOSEY BLVD, LA CROSSE COUNTY.

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF LA CROSSE 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 62.22, WISCONSIN STATUTES, THE CITY OF LA CROSSE HEREBY ORDERS THAT:

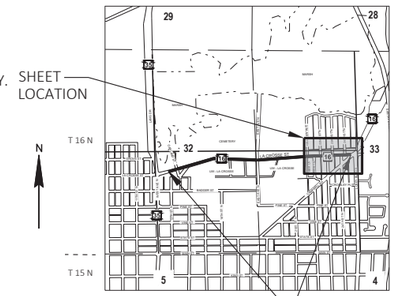
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF LA CROSSE, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

UTILITY INTERESTS REQUIRED		
UTILITY NUMBER	OWNER (S)	INTEREST REQUIRED
81	XCEL ENERGY (ELECTRIC)	RELEASE OF RIGHTS

UTILITY EASEMENT TABLE			
UTILITY NUMBER	PARCEL	RECORDING INFORMATION	NAME
81	26	NO EASEMENT OF RECORD	

ROAD NAME	BASIS OF EXISTING R/W	YEAR
STH 16 MYRICK PARK LN 22ND ST N 23RD ST N 24TH ST N CAMPBELL RD LOSEY BLVD N	R/W PLAT 7575-02-21 CROWLEY HOMES ADDITION	1980 1930
STH 16 HILLVIEW AVE 22ND ST N 23RD ST N 24TH ST N LOSEY BLVD N	HILL VIEW PLACE	1908

LOCATION SKETCH
NOT TO SCALE

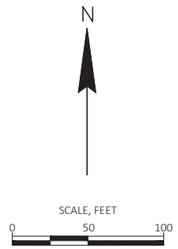


FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN LA CROSSE COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER XXXXXX.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), LA CROSSE 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. NGS POINT UTILIZED WAS DH5435.

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.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE CITY OF LA CROSSE.



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

SCHEDULE OF LANDS & INTERESTS REQUIRED

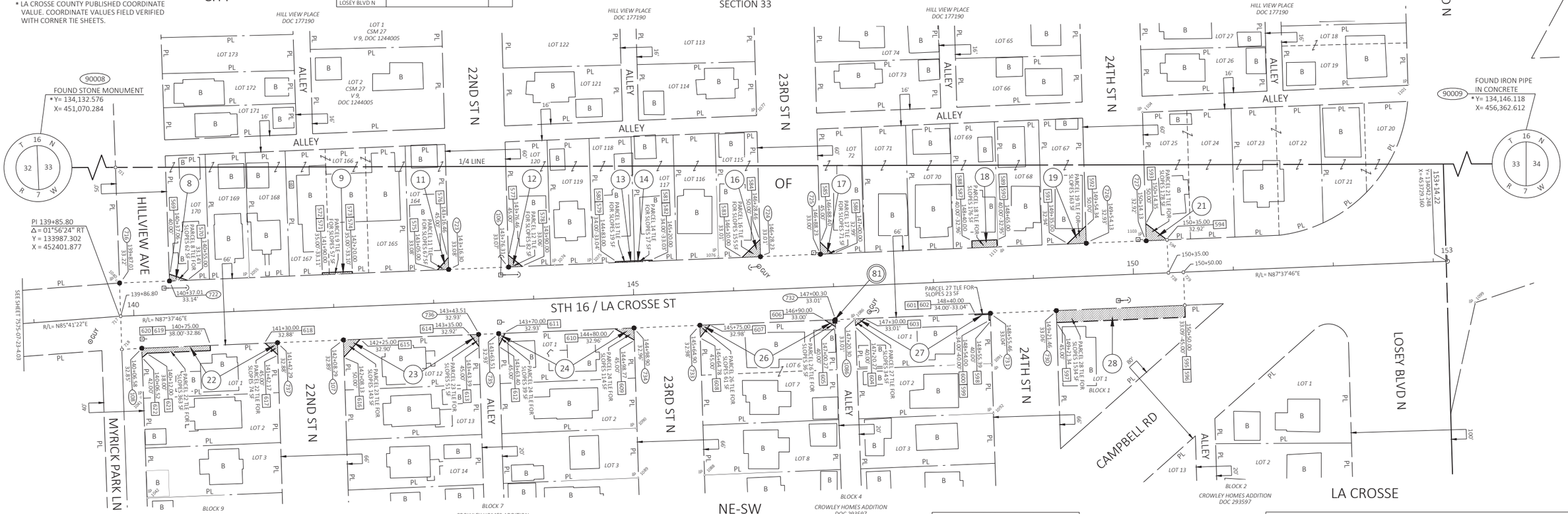
PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SQUARE FEET REQUIRED			TLE SQUARE FEET
			NEW	EXISTING	TOTAL	
8	TRAVIS J GLASSHOFF	TLE	-	-	-	62
9	WISCONSIN CONFERENCE ASSOCIATION OF THE SEVENTH DAY ADVENTISTS	TLE	-	-	-	57
-	-	-	-	-	-	-
11	ABEL A & MARGARET RODRIGUEZ	TLE	-	-	-	67
12	LA CROSSE STREET RENTALS LLC	TLE	-	-	-	82
13	JLA REVOCABLE LIVING TRUST	TLE	-	-	-	19
14	ODK PROPERTIES LLC	TLE	-	-	-	17
-	-	-	-	-	-	-
16	DUSTIN D BARTON & SARAH E WAGNER-BARTON	TLE	-	-	-	155
17	ROBERT B & LILAH M MICHAELS	TLE	-	-	-	71
18	SHERRY MADER	TLE	-	-	-	176
19	DAVID A & TERESA M KELBER	TLE	-	-	-	163
-	-	-	-	-	-	-
21	COLLINS 2011 REVOCABLE TRUST	TLE	-	-	-	178
22	GOLIATH COMPANIES LLC	TLE	-	-	-	437
23	KRUCKOW CONSTRUCTION LLC	TLE	-	-	-	194
24	JAMIE M & JULIE R MALISZEWSKI	TLE	-	-	-	153
-	-	-	-	-	-	-
26	ADY INVESTMENTS LLC	TLE	-	-	-	97
27	RENATA J HOEGER	TLE	-	-	-	57
28	SHIRLEY HEETER	TLE	-	-	-	1534

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 7575-07-23-4.04

* LA CROSSE COUNTY PUBLISHED COORDINATE VALUE. COORDINATE VALUES FIELD VERIFIED WITH CORNER TIE SHEETS.

CITY

SE-NW
SECTION 33



RECOVERED MONUMENTS							
POINT	Y	X	DESCRIPTION	POINT	Y	X	DESCRIPTION
1040	134023.141	452398.705	SPIKE NAIL	1089	133825.875	452919.930	LBAR MONUMENT
1041	133906.443	452423.170	TBAR REBAR	1090	133875.562	452918.245	1" IRON PIPE
1042	133805.679	452429.678	1 1/2" IRON PIPE	1091	133940.136	453273.739	1" IRON PIPE
1055	134026.170	452530.716	1" IRON PIPE	1092	133890.398	453275.306	1" IRON PIPE
1074	134038.406	452836.763	LBAR MONUMENT	1099	134000.873	453756.972	1 1/2" IRON PIPE
1075	134039.944	452874.331	LBAR MONUMENT	1101	134218.905	453689.606	1" IRON PIPE
1076	134046.682	453000.166	2 1/2" IRON PIPE	1103	134065.728	453428.305	1" IRON PIPE
1077	134190.145	453038.180	1 1/2" IRON PIPE	1104	134191.002	453424.286	1 1/2" IRON PIPE
1086	133984.699	453137.120	1" IRON PIPE	1111	134056.855	453279.681	1" IRON PIPE
1088	133828.681	452986.476	1 1/2" IRON PIPE				

COURSE TABLE			
FROM	TO	DIRECTION	DISTANCE
90008	721	N 89° 51' 12" E	1327.42'
721	716	S 01° 59' 39" E	115.50'
716	722	N 87° 43' 10" E	50.00'
722	594	N 87° 38' 33" E	997.98'
594	728	S 02° 22' 15" E	32.92'
728	729	N 87° 37' 46" E	15.00'
729	595	S 02° 22' 14" E	33.09'
595	108	S 87° 38' 33" W	1043.42'
108	718	S 86° 40' 49" W	20.01'
718	716	N 01° 59' 39" W	66.40'

COURSE TABLE - 1/4 LINE			
FROM	TO	DIRECTION	DISTANCE
90008	90009	N 89° 51' 12" E	5292.35'
721	90009	N 89° 51' 12" E	3964.93'

COURSE TABLE - SEGMENTS							
FROM	TO	DIRECTION	DISTANCE	FROM	TO	DIRECTION	DISTANCE
722	723	N 87° 38' 33" E	279.29'	1086	732	S 87° 38' 33" W	20.00'
723	106	N 87° 38' 33" E	60.00'	732	733	S 87° 38' 33" W	135.40'
106	724	N 87° 38' 33" E	251.92'	733	734	S 87° 38' 33" W	66.00'
724	725	N 87° 38' 33" E	60.01'	734	735	S 87° 38' 33" W	135.40'
725	726	N 87° 38' 33" E	265.89'	735	736	S 87° 38' 33" W	20.00'
726	727	N 87° 38' 33" E	60.00'	736	107	S 87° 38' 33" W	135.22'
727	594	N 87° 38' 33" E	20.87'	107	737	S 87° 38' 33" W	66.00'
595	730	S 87° 38' 33" W	128.54'	737	108	S 87° 38' 33" W	135.70'
730	731	S 87° 38' 33" W	66.00'	718	717	N 01° 59' 39" W	33.18'
731	1086	S 87° 38' 33" W	135.15'	717	716	N 01° 59' 39" W	33.22'

cbs²
770 TECHNOLOGY WAY
CHIPPEWA FALLS, WI 54729

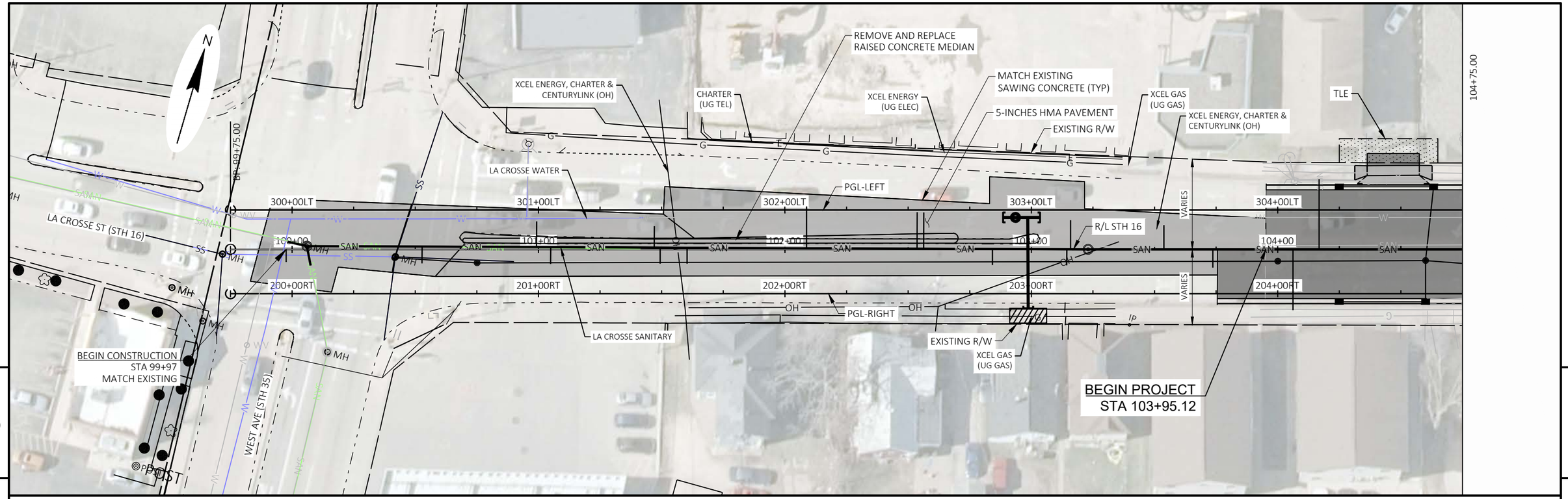
I, NEIL C. BOWE, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF LA CROSSE, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR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

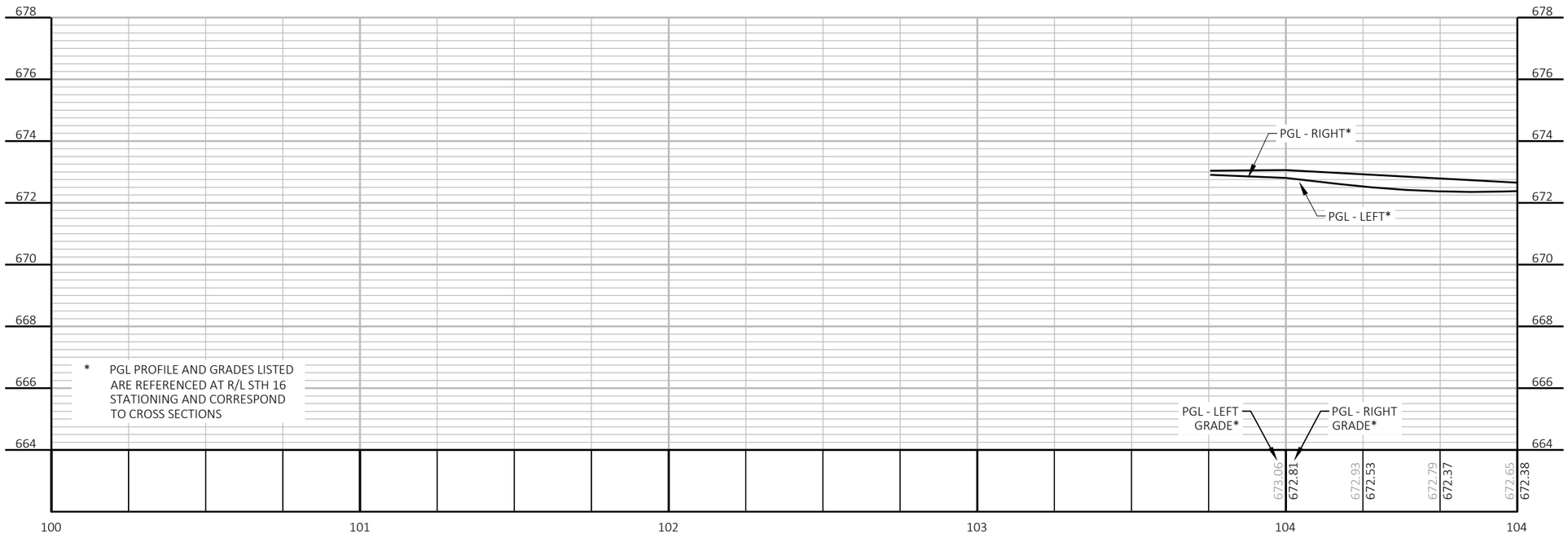
WISCONSIN NEIL C. BOWE S-2827 CHIPPEWA FALLS WI LAND SURVEYOR

SIGNATURE: Neil C. Bowe DATE: 9/11/20
PRINT NAME: NEIL C. BOWE
REGISTRATION NUMBER: S-2827

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF LA CROSSE.

SIGNATURE: _____ DATE:
PRINT NAME: SCOTT DUNNUM



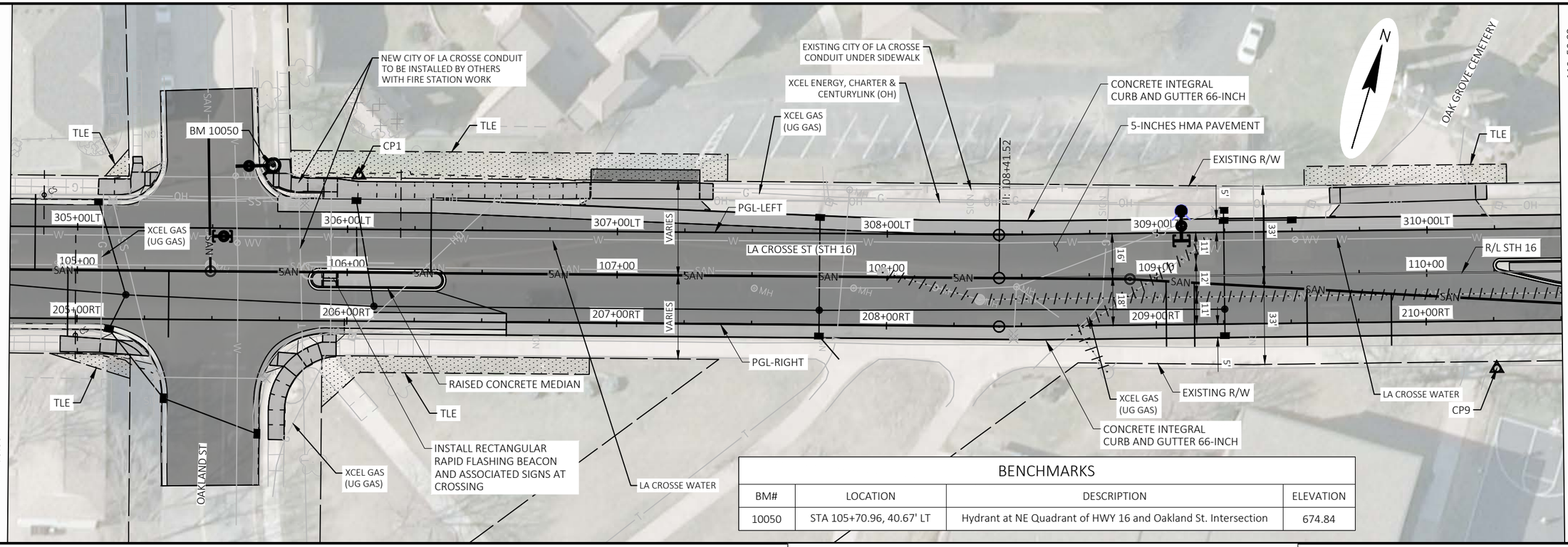


PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	PLAN AND PROFILE: LA CROSSE ST	SHEET 160	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\7575073\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 01

PLOT DATE : 10/26/2021 7:58 AM PLOT BY : WEIGAND, BEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

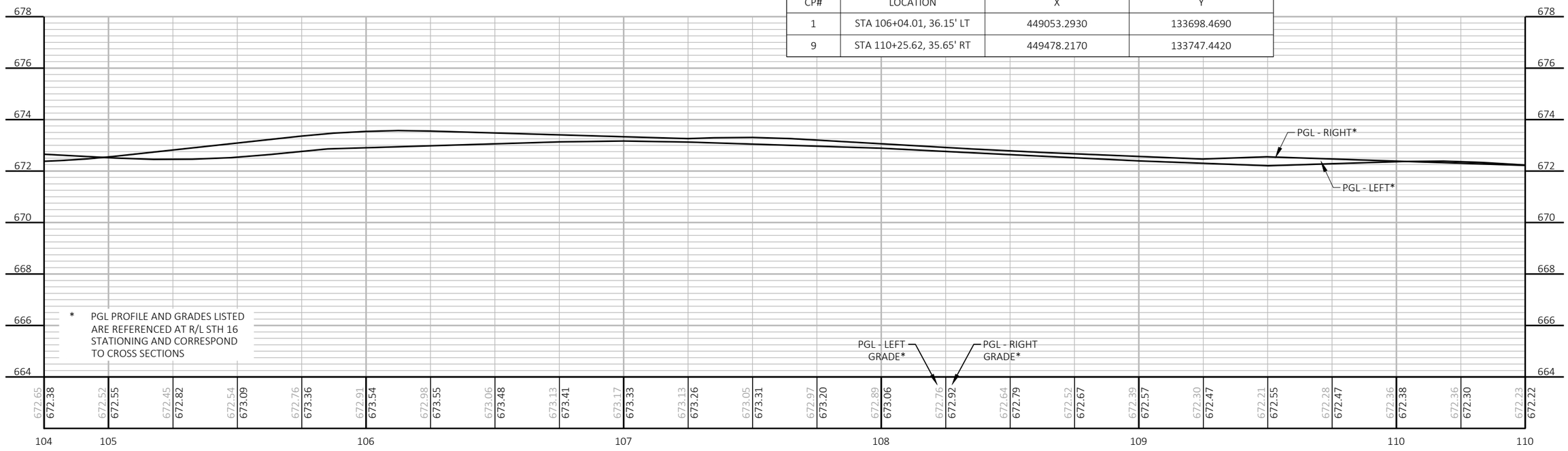


BENCHMARKS

BM#	LOCATION	DESCRIPTION	ELEVATION
10050	STA 105+70.96, 40.67' LT	Hydrant at NE Quadrant of HWY 16 and Oakland St. Intersection	674.84

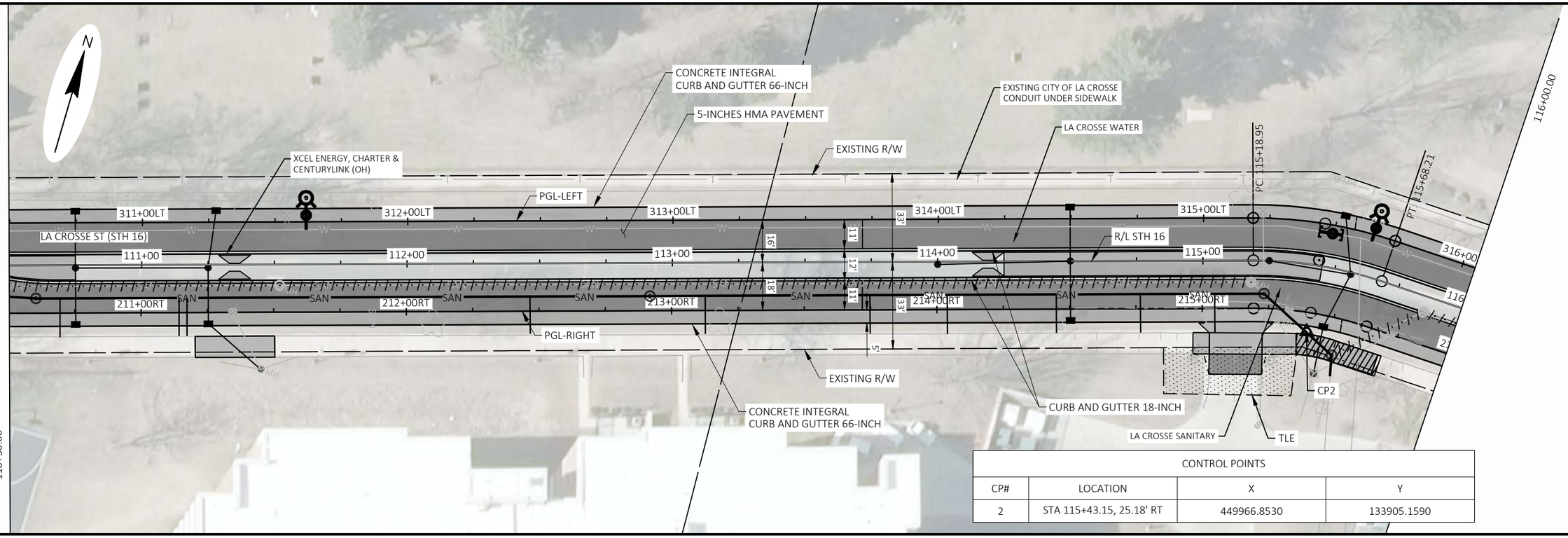
CONTROL POINTS

CP#	LOCATION	X	Y
1	STA 106+04.01, 36.15' LT	449053.2930	133698.4690
9	STA 110+25.62, 35.65' RT	449478.2170	133747.4420

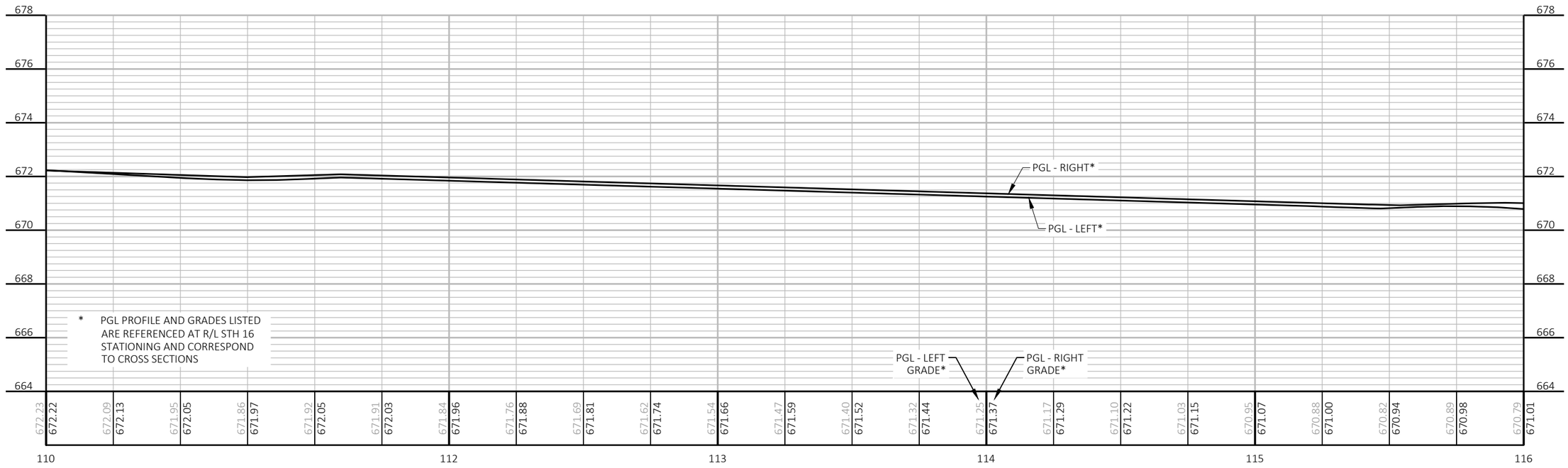


* PGL PROFILE AND GRADES LISTED ARE REFERENCED AT R/L STH 16 STATIONING AND CORRESPOND TO CROSS SECTIONS

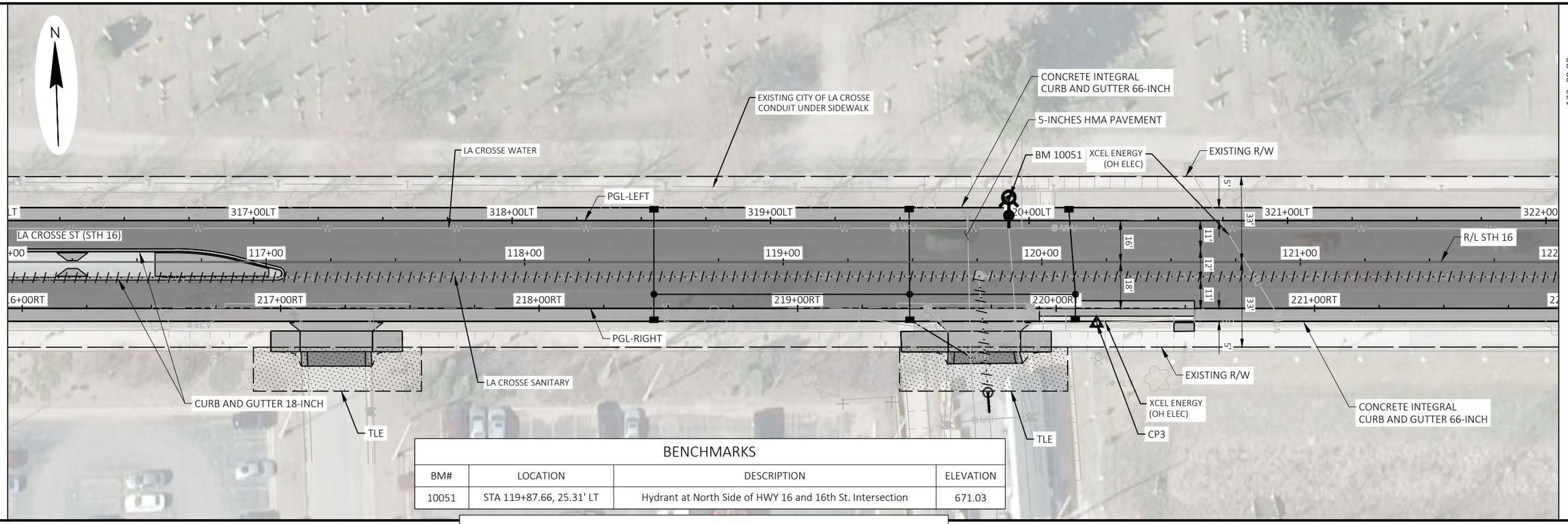
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	PLAN AND PROFILE: LA CROSSE ST	SHEET 161	E



CONTROL POINTS			
CP#	LOCATION	X	Y
2	STA 115+43.15, 25.18' RT	449966.8530	133905.1590



PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	PLAN AND PROFILE: LA CROSSE ST	SHEET 162	E



5

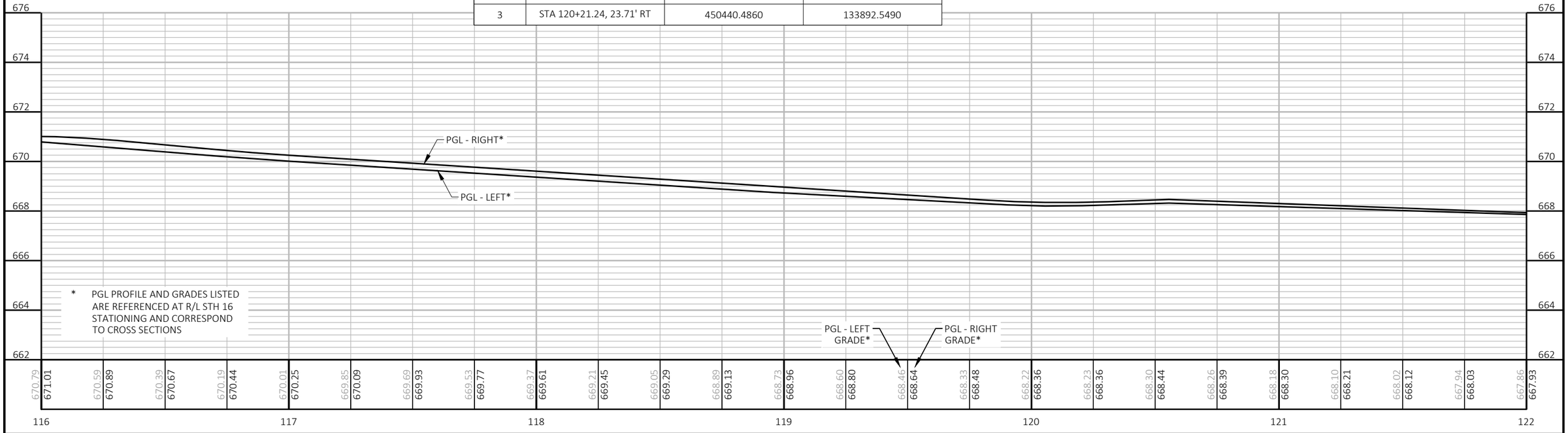
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BENCHMARKS

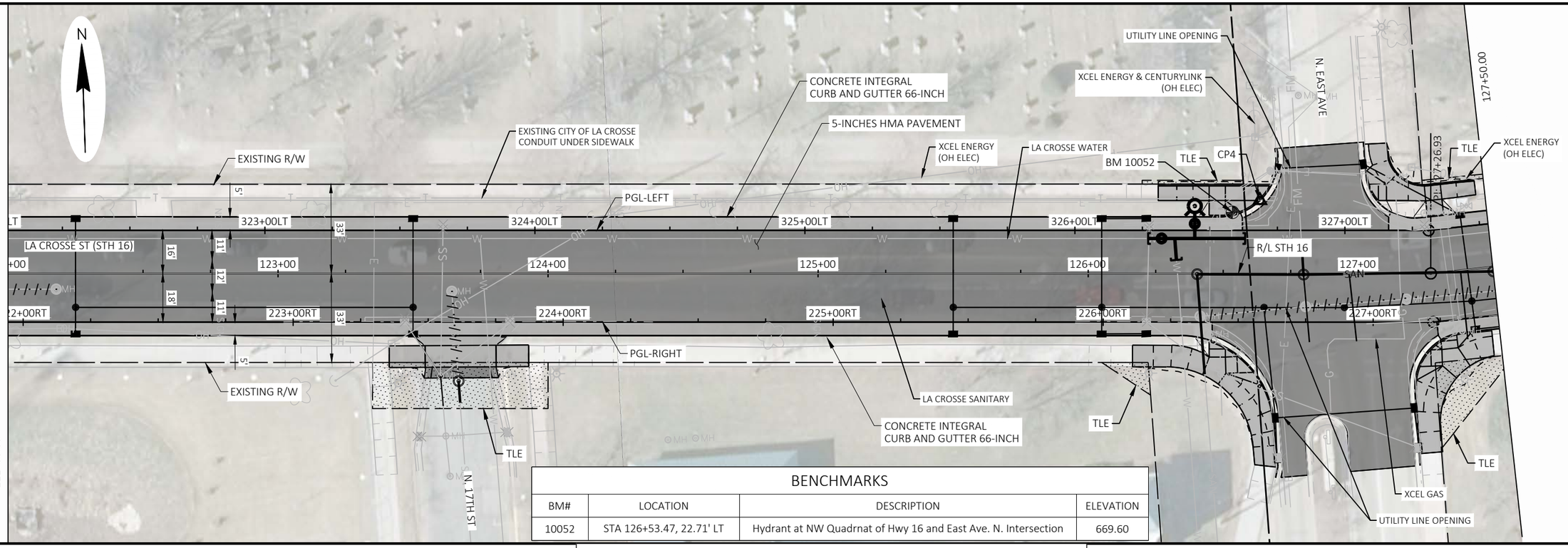
BM#	LOCATION	DESCRIPTION	ELEVATION
10051	STA 119+87.66, 25.31' LT	Hydrant at North Side of HWY 16 and 16th St. Intersection	671.03

CONTROL POINTS

CP#	LOCATION	X	Y
3	STA 120+21.24, 23.71' RT	450440.4860	133892.5490

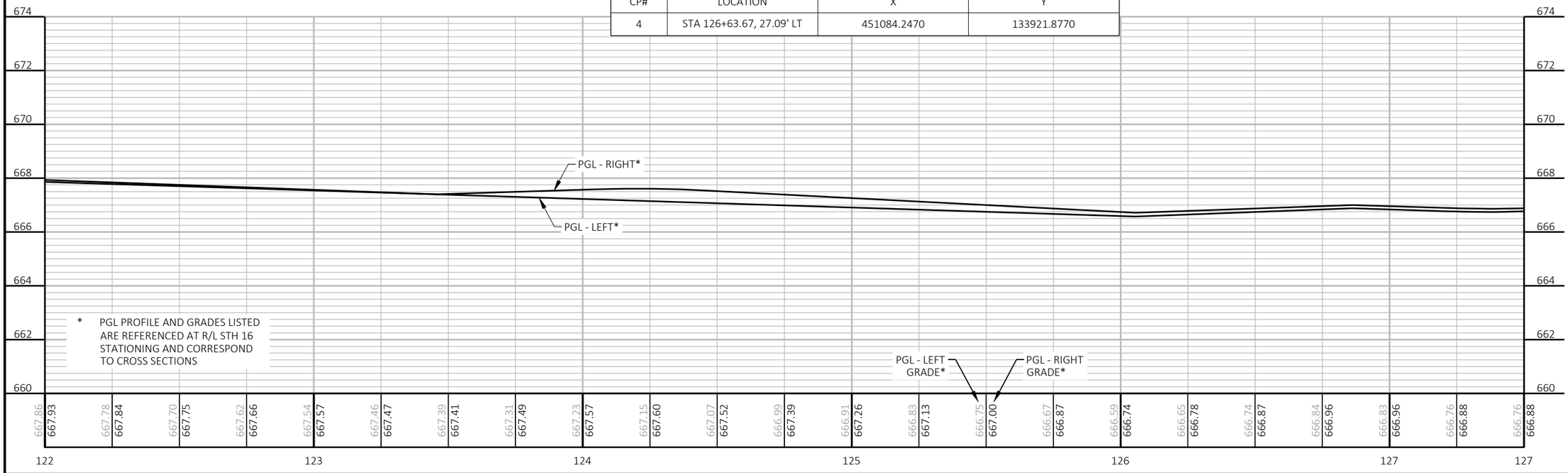


PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	PLAN AND PROFILE: LA CROSSE ST	SHEET 163	E

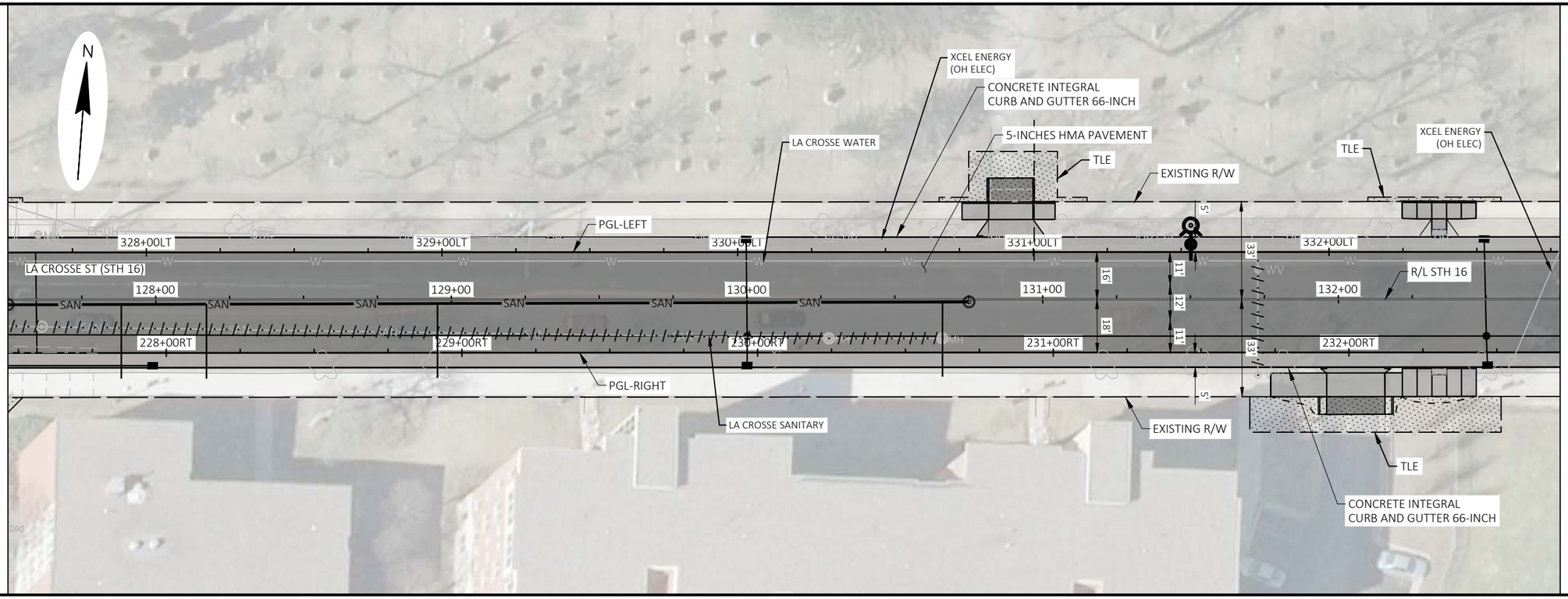


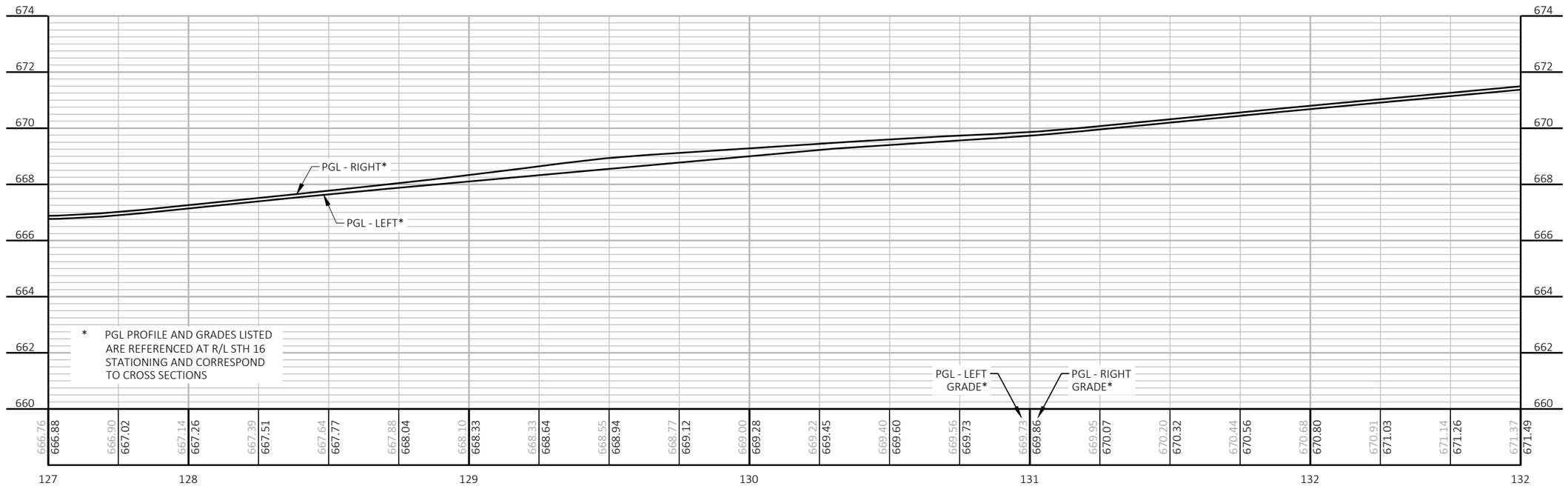
BENCHMARKS			
BM#	LOCATION	DESCRIPTION	ELEVATION
10052	STA 126+53.47, 22.71' LT	Hydrant at NW Quadrnat of Hwy 16 and East Ave. N. Intersection	669.60

CONTROL POINTS			
CP#	LOCATION	X	Y
4	STA 126+63.67, 27.09' LT	451084.2470	133921.8770

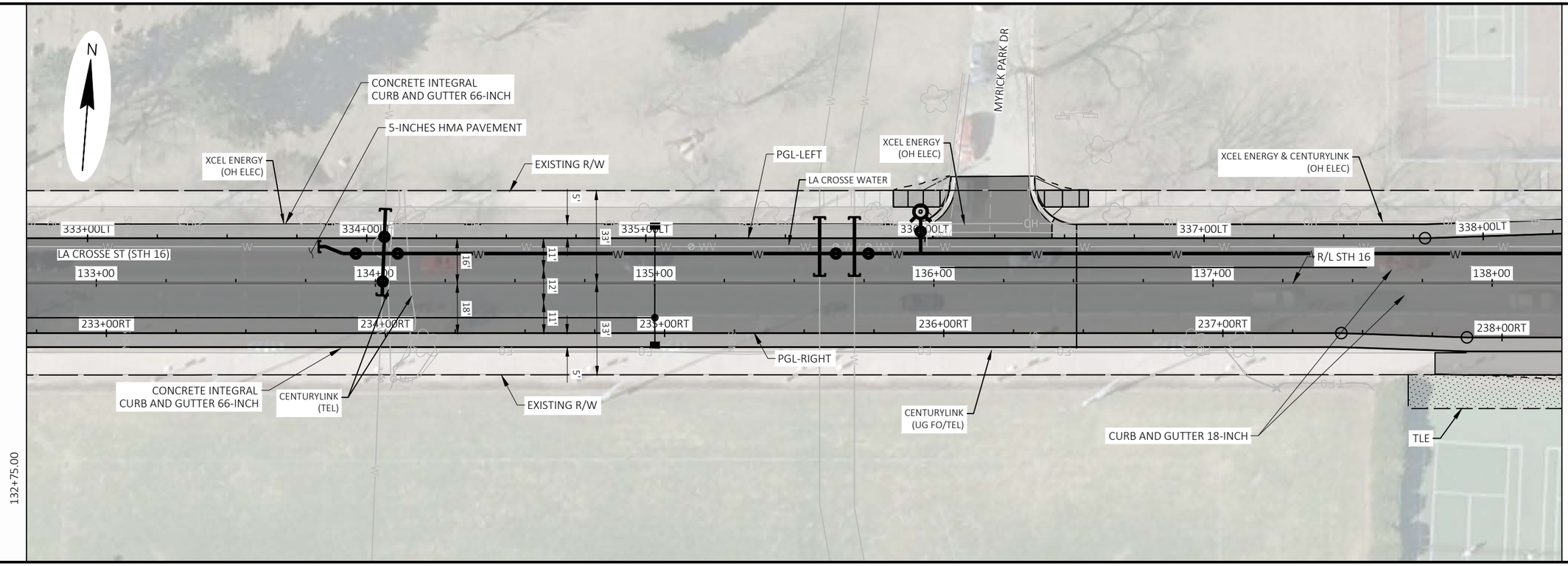


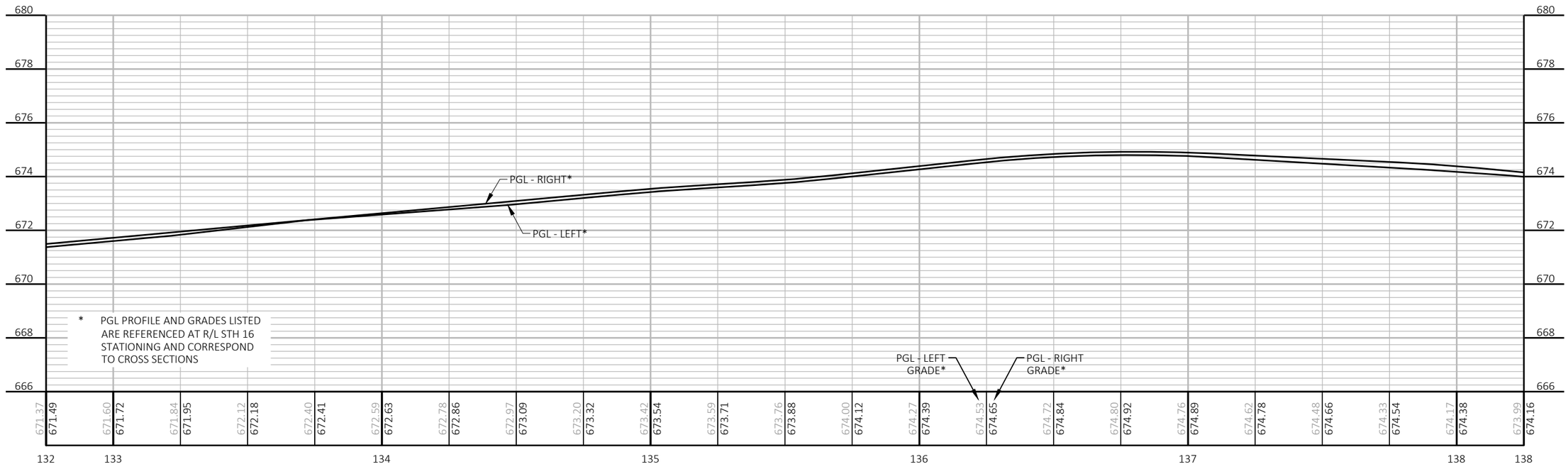
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	PLAN AND PROFILE: LA CROSSE ST	SHEET 164	E



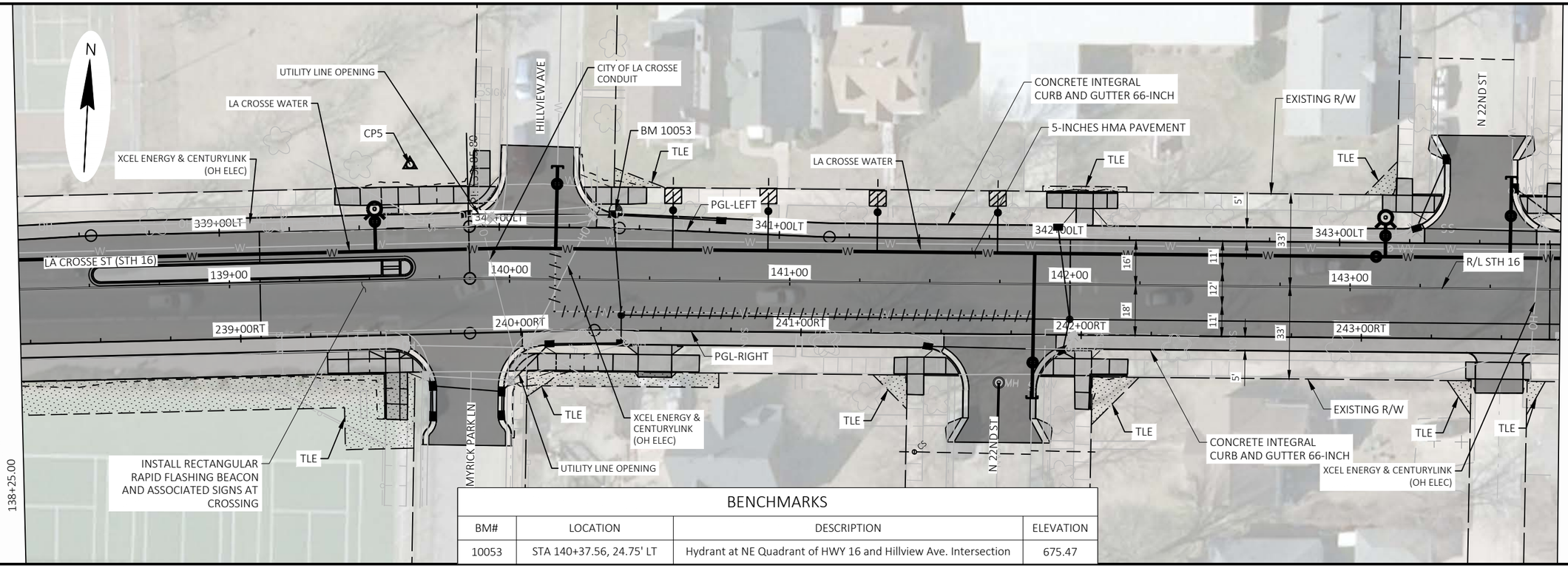


PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	PLAN AND PROFILE: LA CROSSE ST	SHEET 165	E





PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	PLAN AND PROFILE: LA CROSSE ST	SHEET 166	E



5

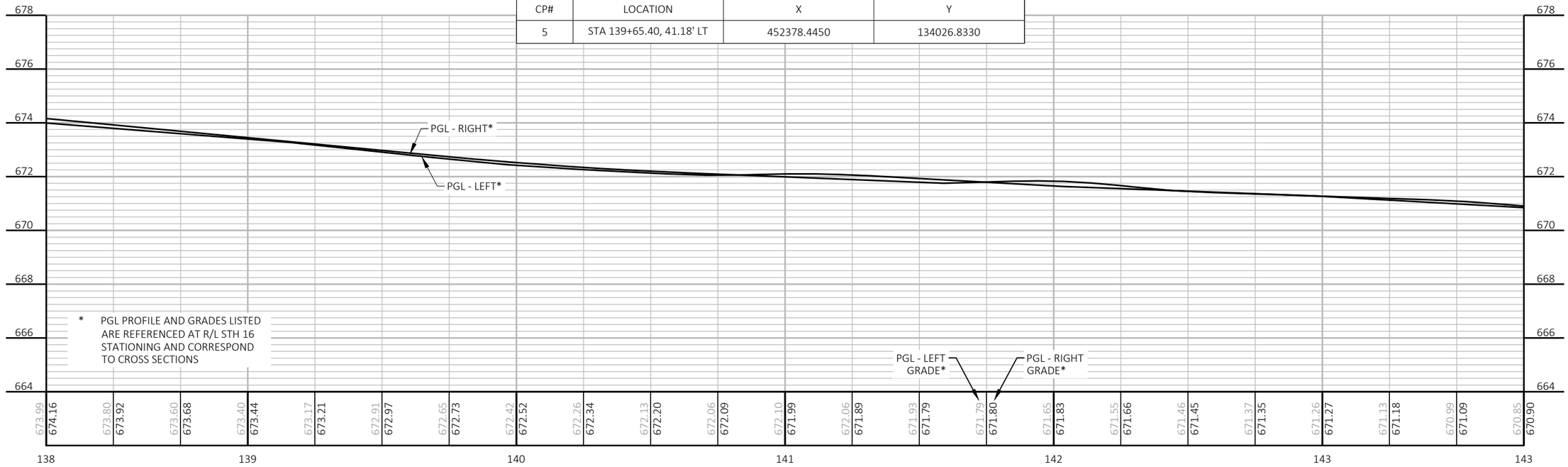
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BENCHMARKS

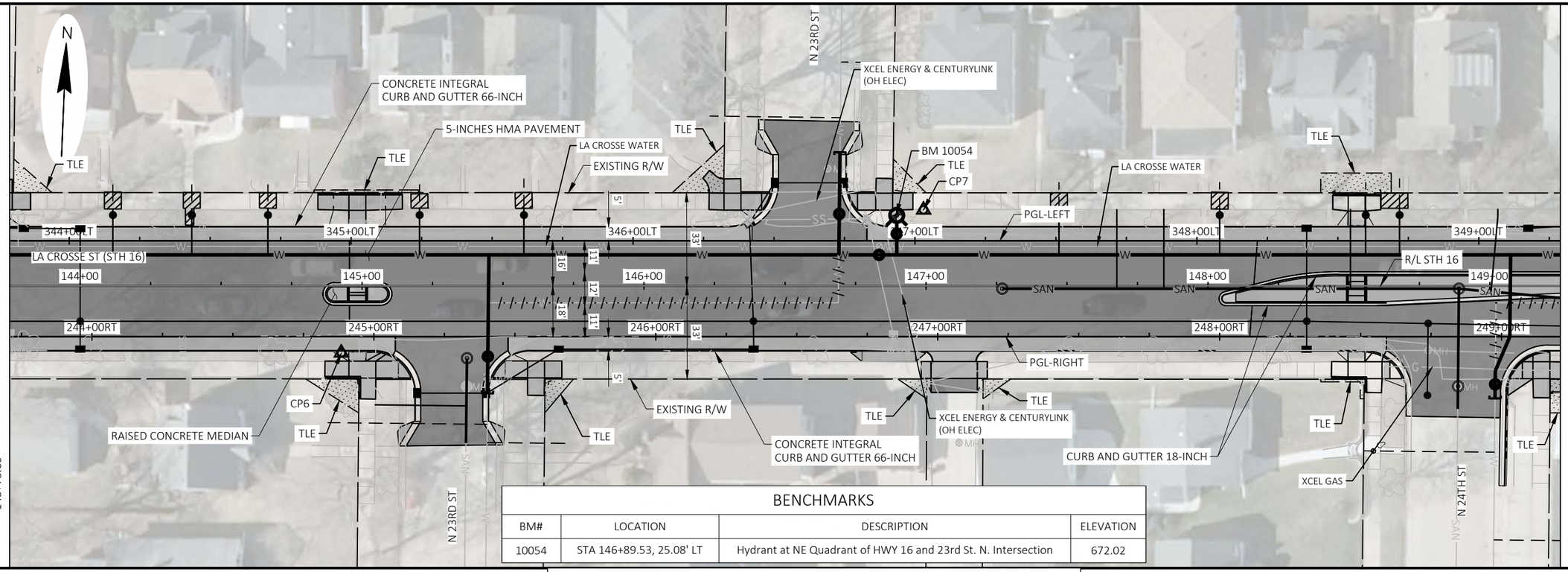
BM#	LOCATION	DESCRIPTION	ELEVATION
10053	STA 140+37.56, 24.75' LT	Hydrant at NE Quadrant of HWY 16 and Hillview Ave. Intersection	675.47

CONTROL POINTS

CP#	LOCATION	X	Y
5	STA 139+65.40, 41.18' LT	452378.4450	134026.8330

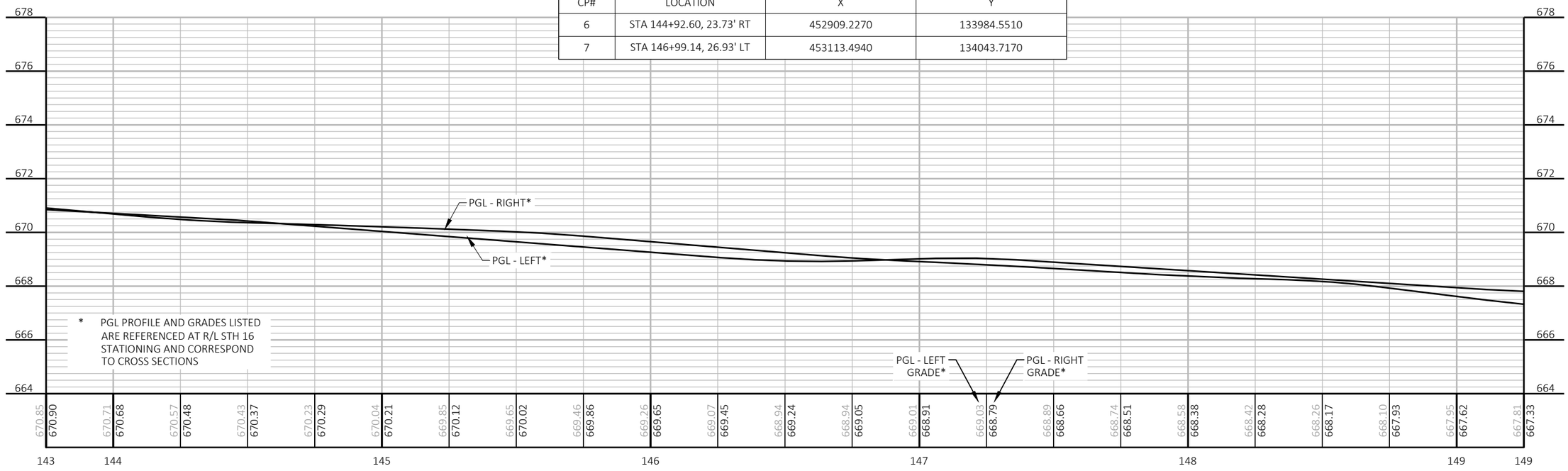


PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	PLAN AND PROFILE: LA CROSSE ST	SHEET 167	E

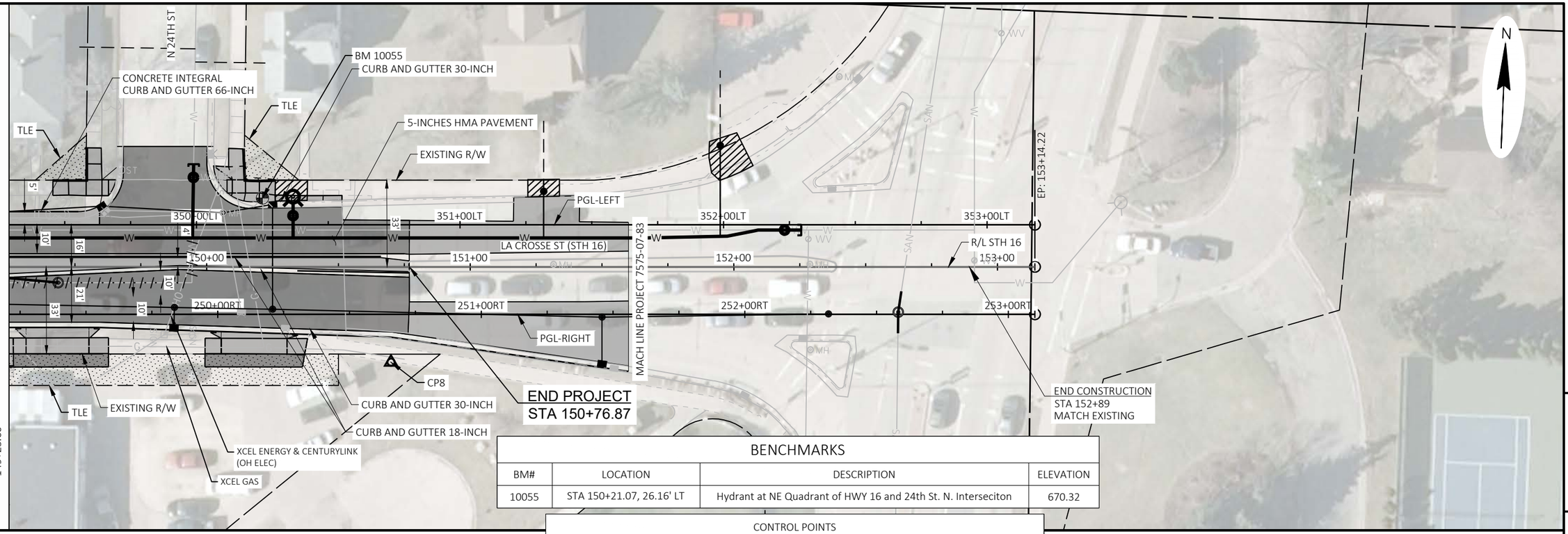


BENCHMARKS			
BM#	LOCATION	DESCRIPTION	ELEVATION
10054	STA 146+89.53, 25.08' LT	Hydrant at NE Quadrant of HWY 16 and 23rd St. N. Intersection	672.02

CONTROL POINTS			
CP#	LOCATION	X	Y
6	STA 144+92.60, 23.73' RT	452909.2270	133984.5510
7	STA 146+99.14, 26.93' LT	453113.4940	134043.7170

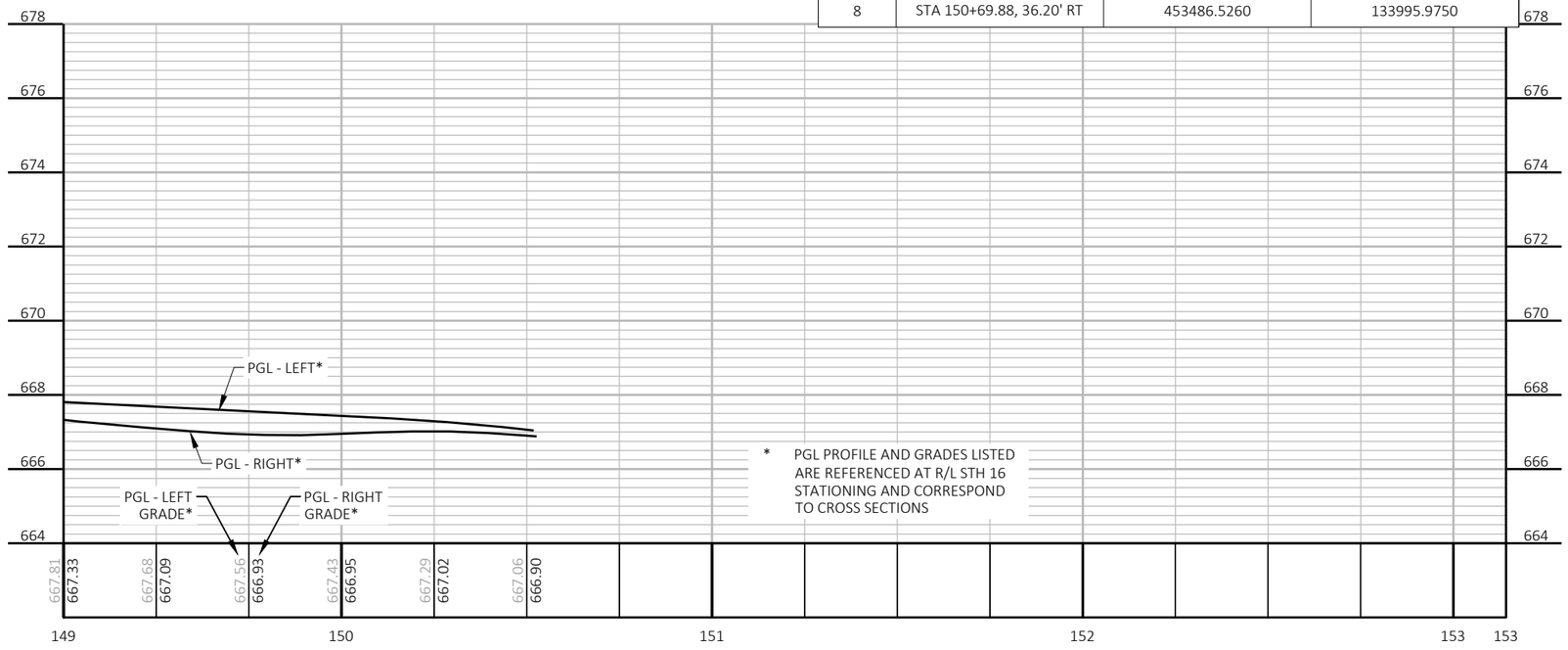


PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	PLAN AND PROFILE: LA CROSSE ST	SHEET 168	E

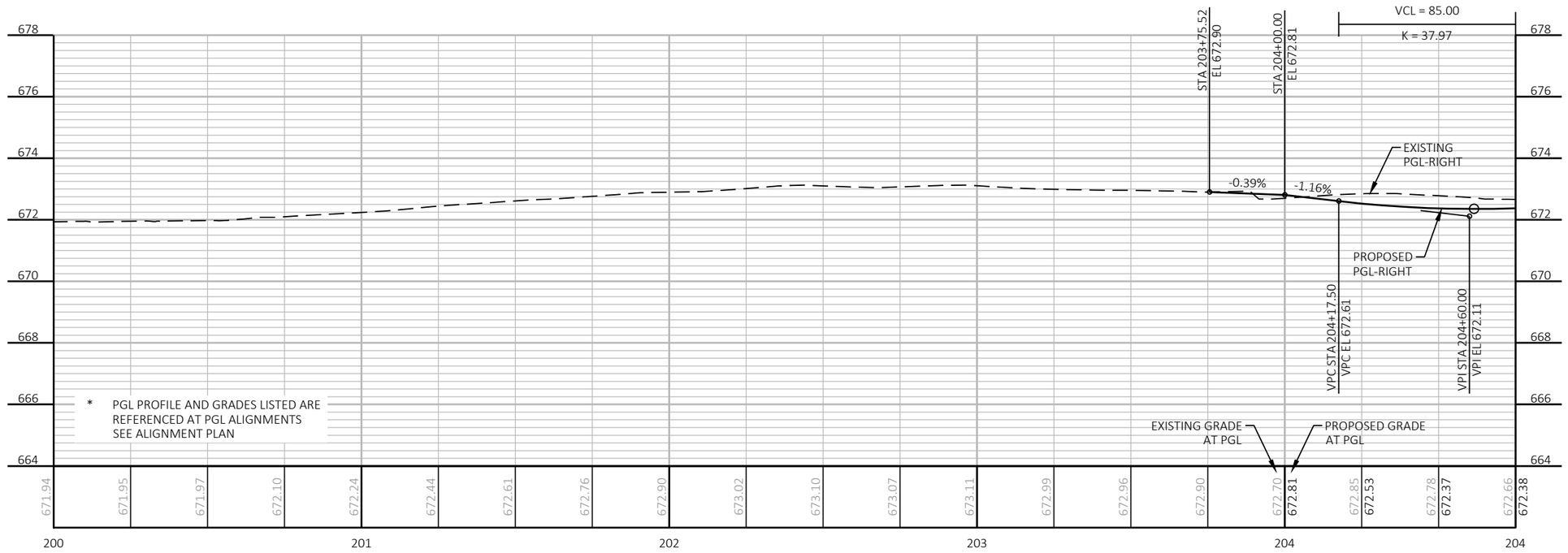


BENCHMARKS			
BM#	LOCATION	DESCRIPTION	ELEVATION
10055	STA 150+21.07, 26.16' LT	Hydrant at NE Quadrant of HWY 16 and 24th St. N. Interseciton	670.32

CONTROL POINTS			
CP#	LOCATION	X	Y
8	STA 150+69.88, 36.20' RT	453486.5260	133995.9750

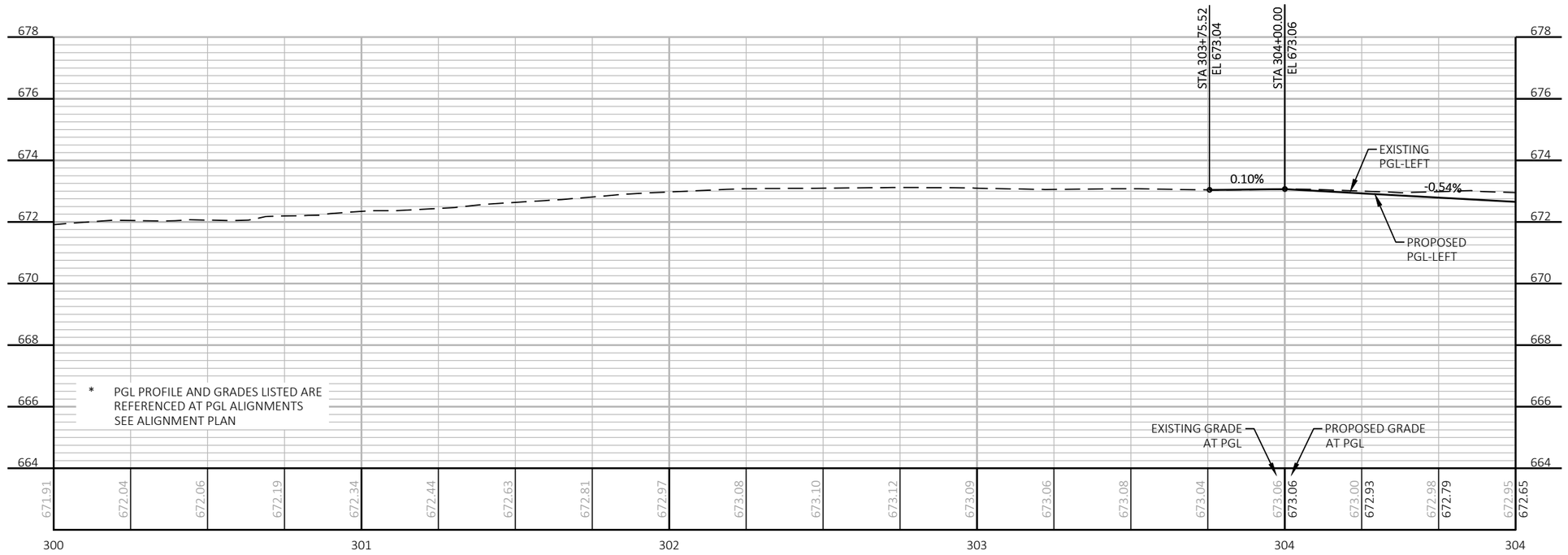


PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	PLAN AND PROFILE: LA CROSSE ST	SHEET 169	E



5

PGL - RIGHT



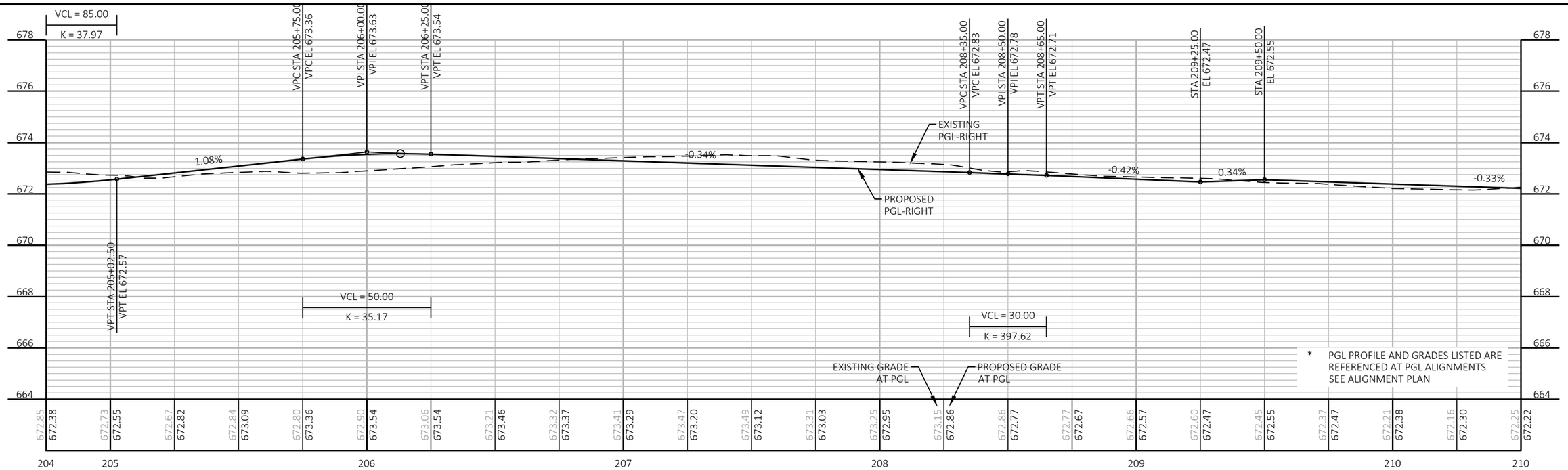
PGL - LEFT

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	PGL PROFILES LA CROSSE ST	SHEET 170	E

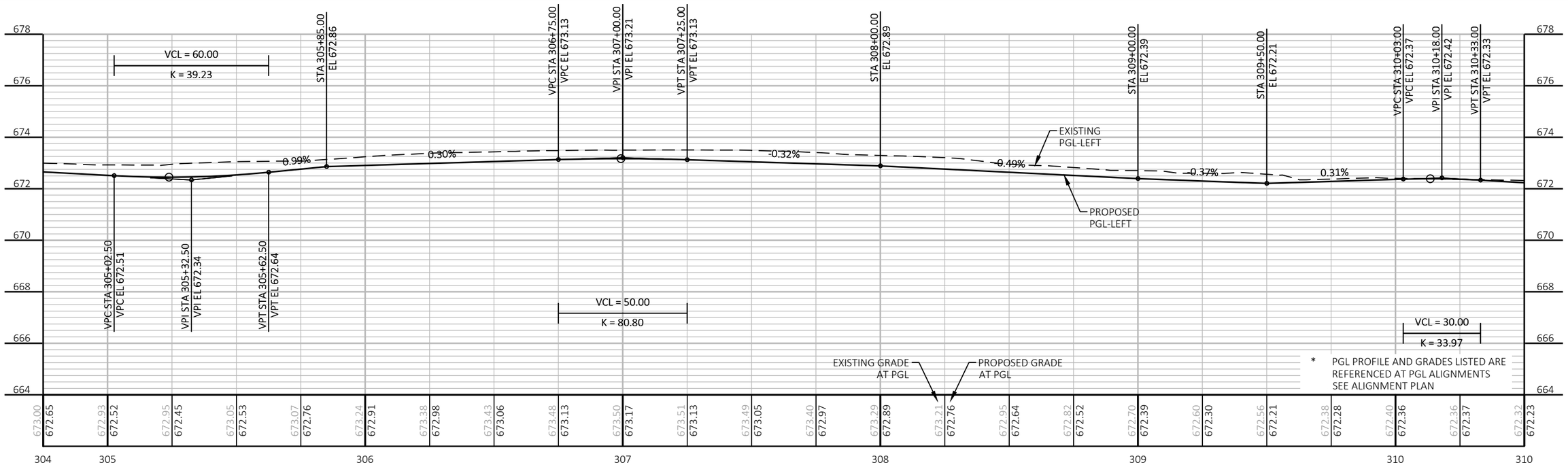
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LAYOUT NAME - 01

PLOT DATE : 10/11/2021 2:18 PM PLOT BY : WEIGAND, BEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



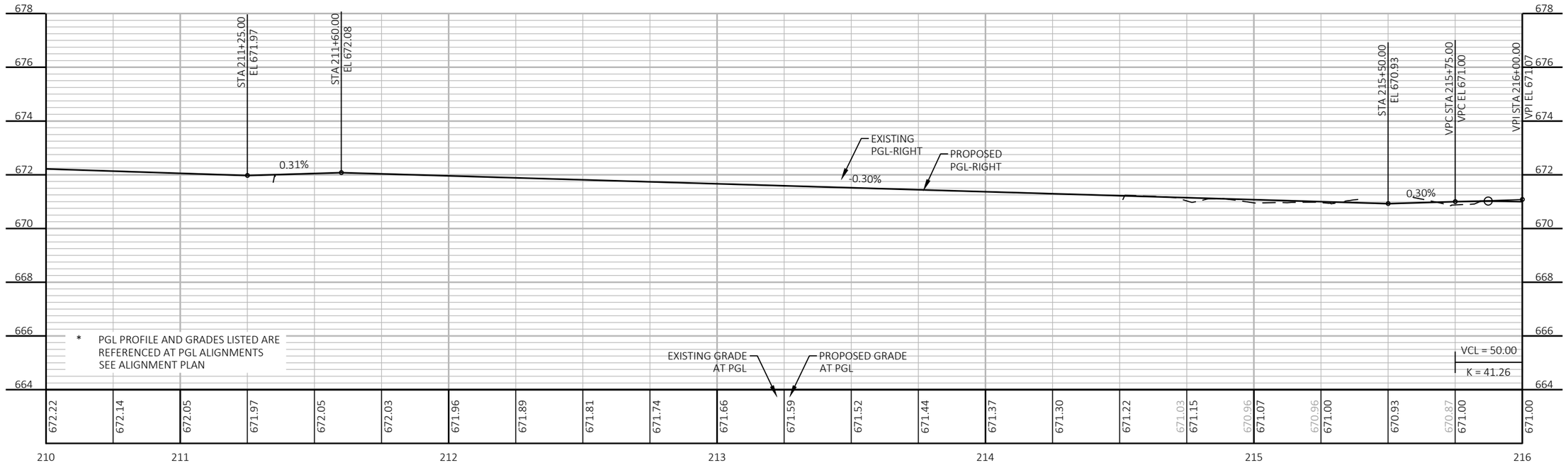
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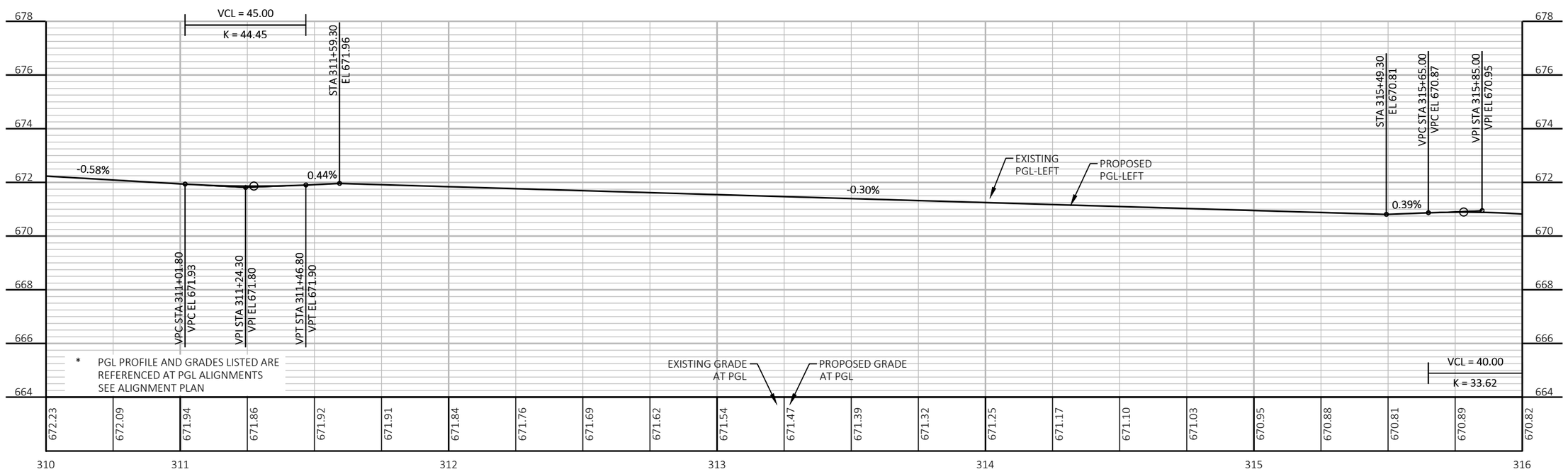
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LAYOUT NAME - 02
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PLOT BY : WEIGAND, BEN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

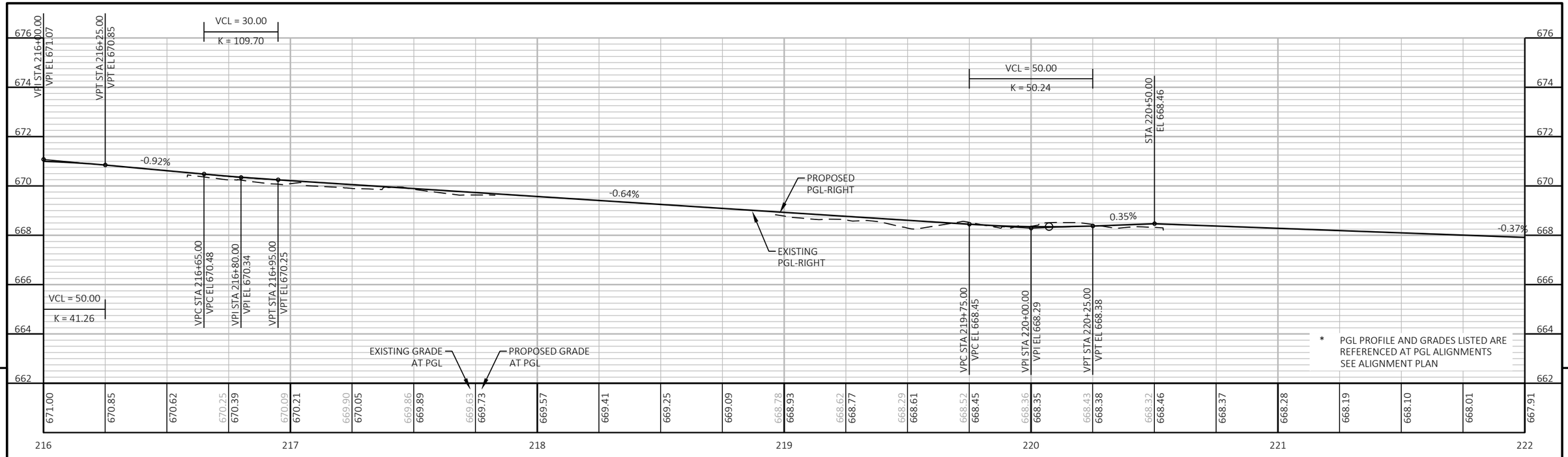


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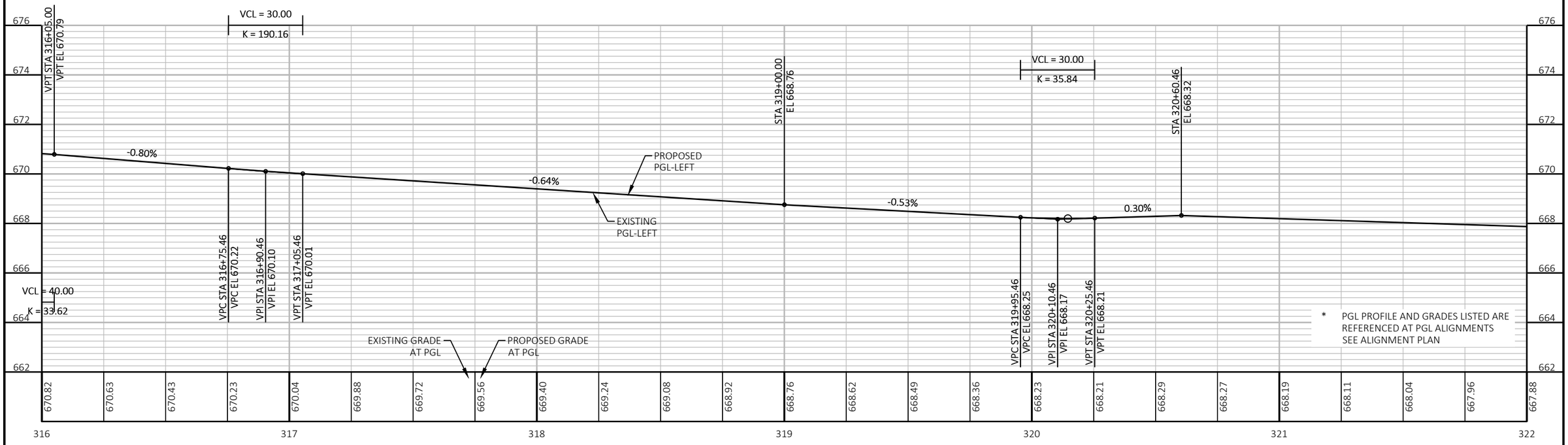


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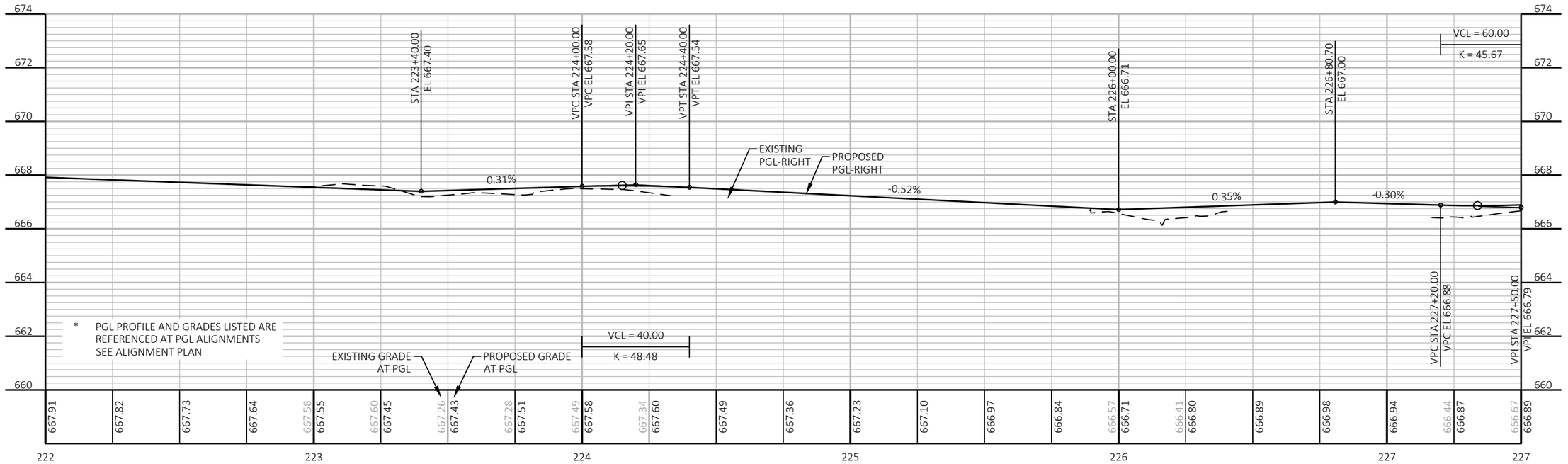


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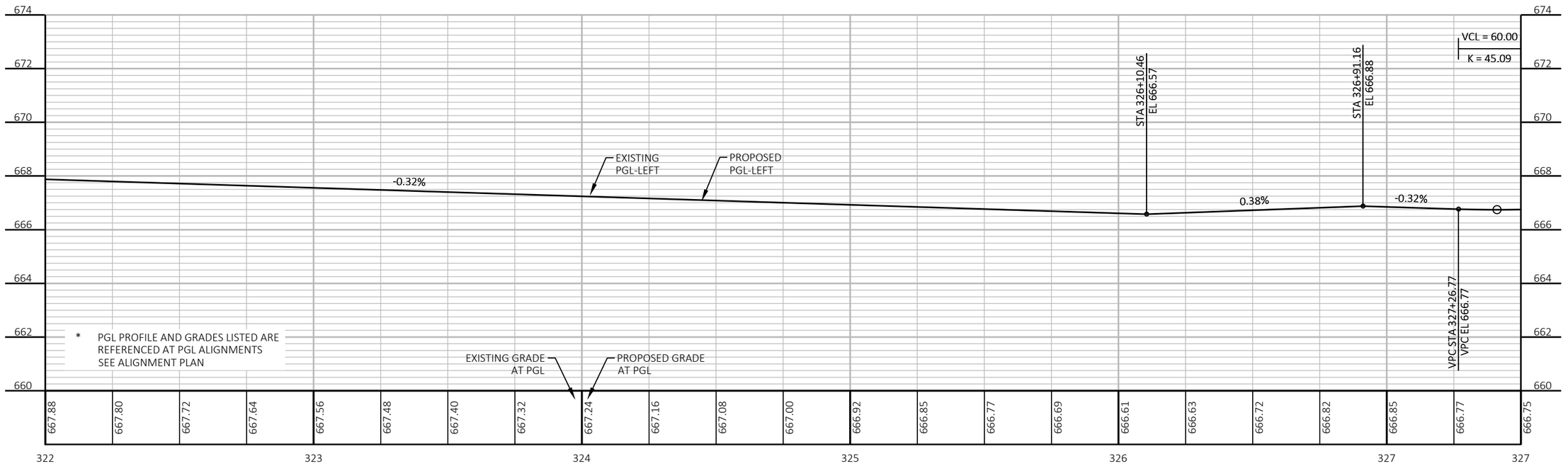


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PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	PGL PROFILES LA CROSSE ST	SHEET 173	E

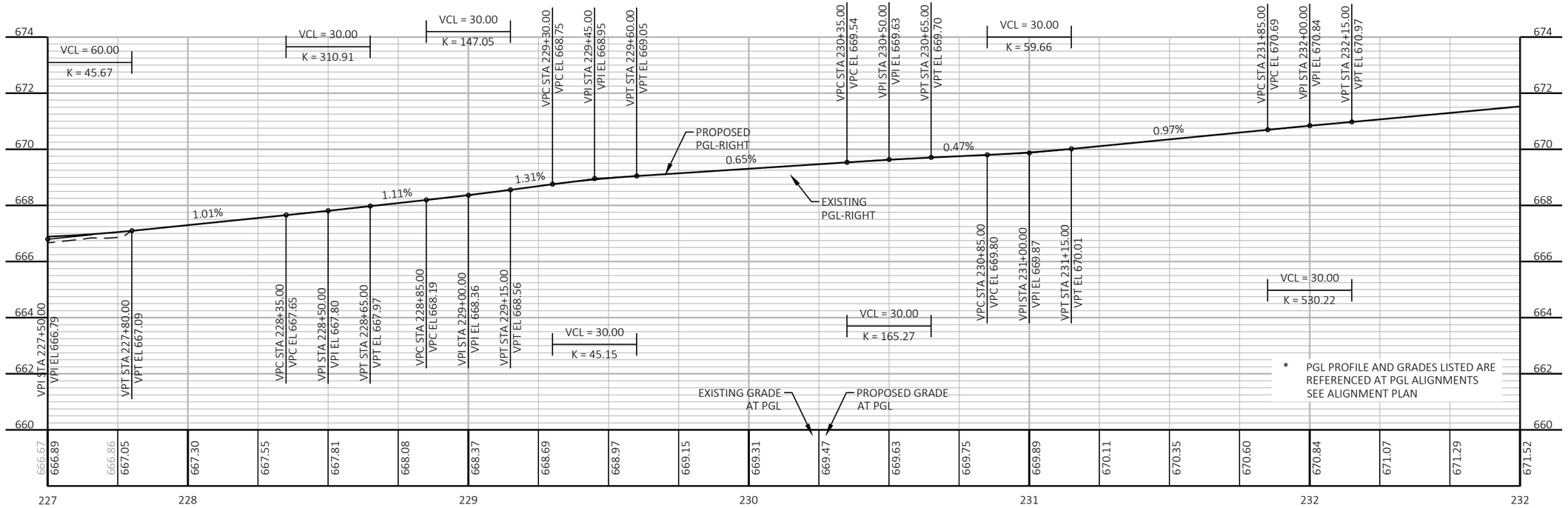


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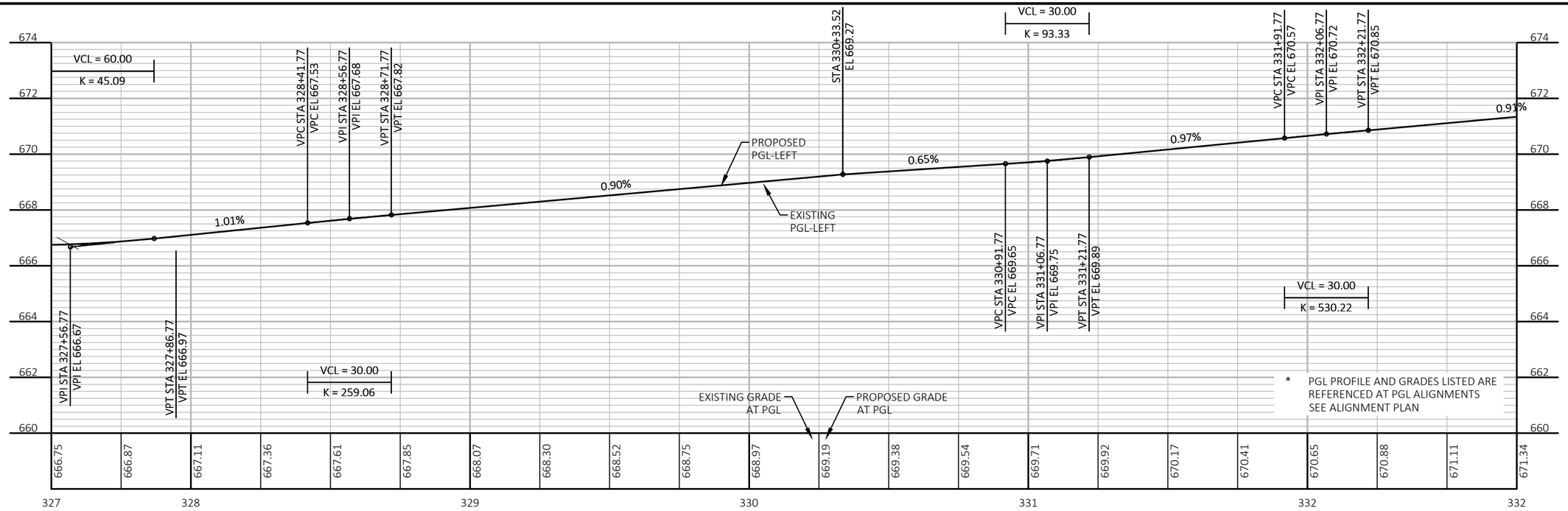


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PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	PGL PROFILES LA CROSSE ST	SHEET 174	E



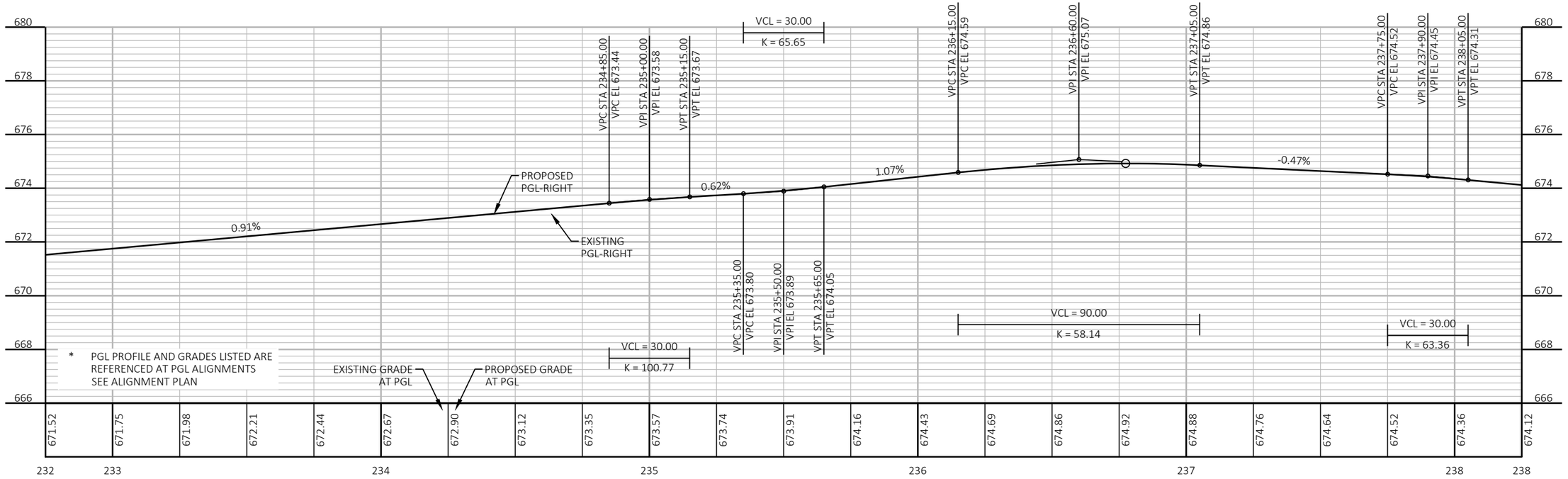
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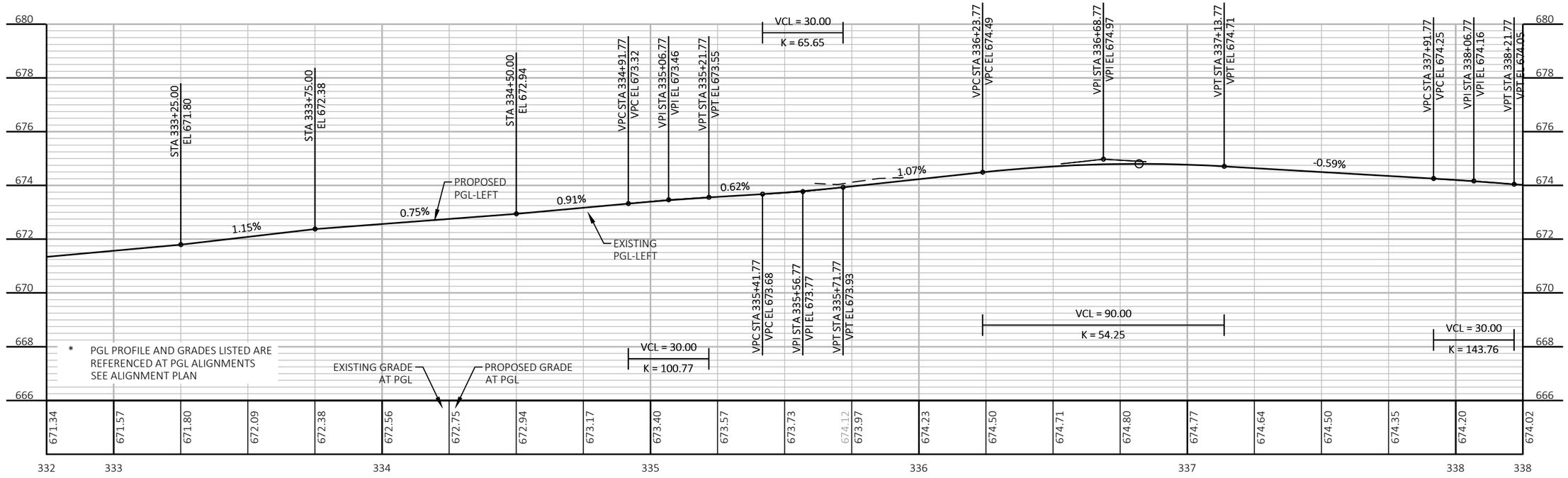
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PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	PGL PROFILES LA CROSSE ST	SHEET 175	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\050102_PP.DWG
LAYOUT NAME - 06
PLOT DATE : 10/11/2021 2:18 PM
PLOT BY : WEIGAND, BEN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

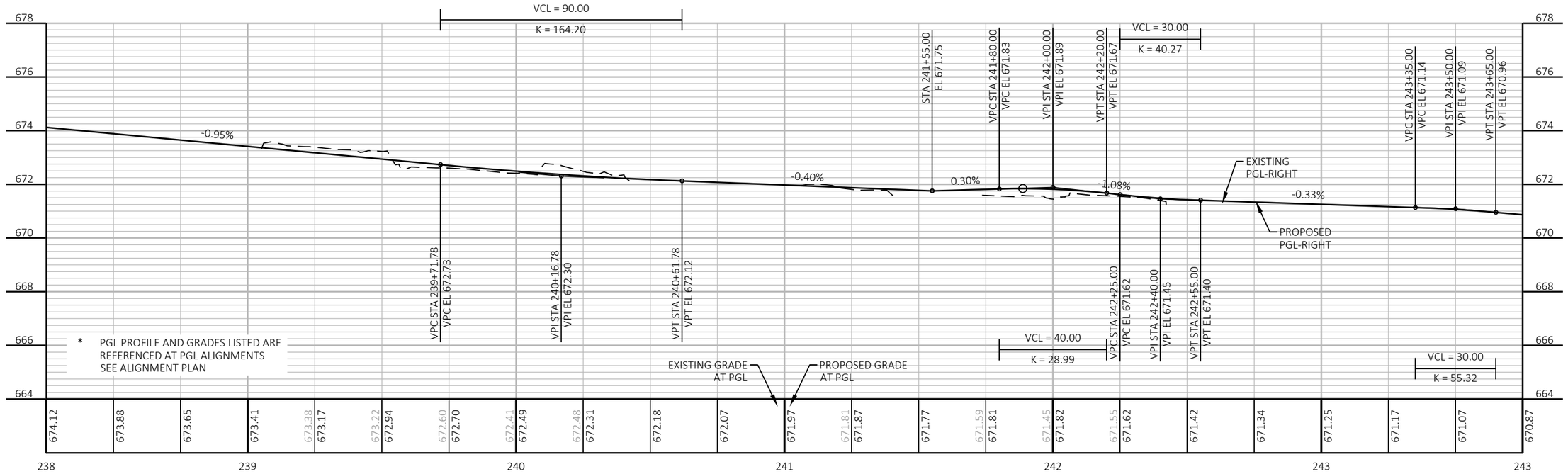


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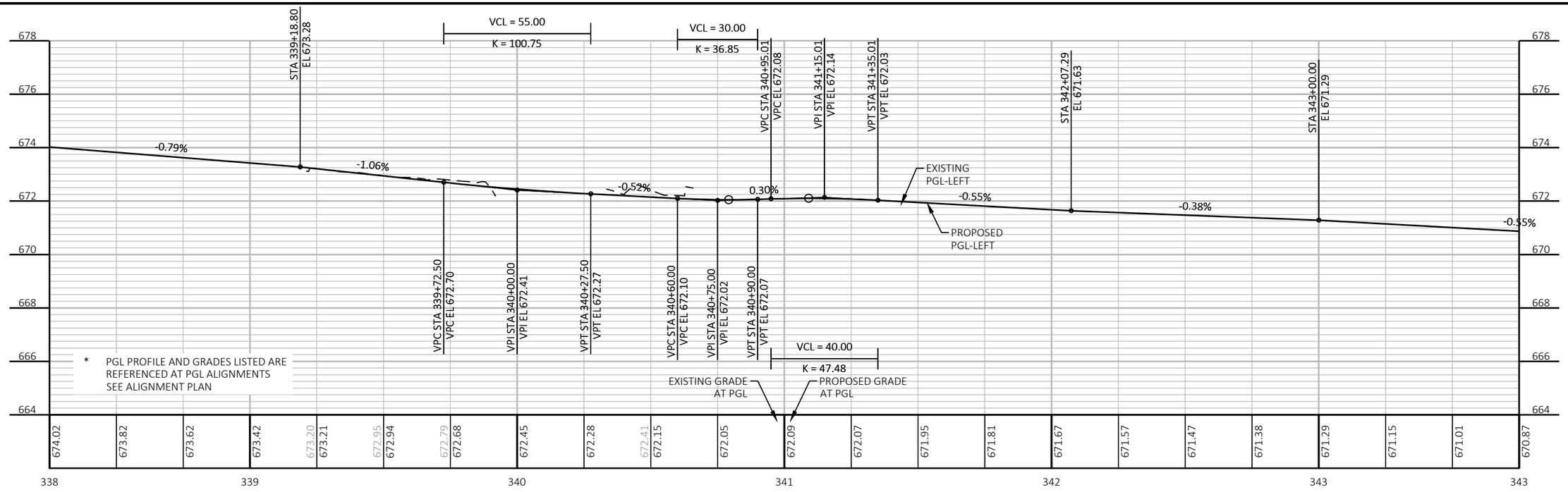


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PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	PGL PROFILES LA CROSSE ST	SHEET 176	E



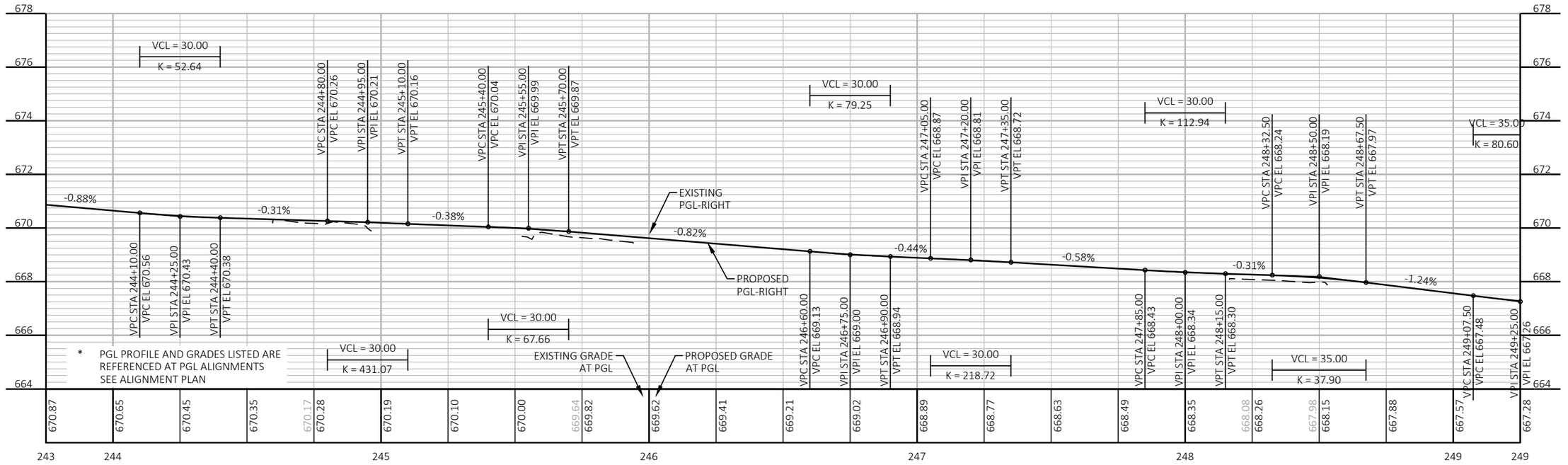
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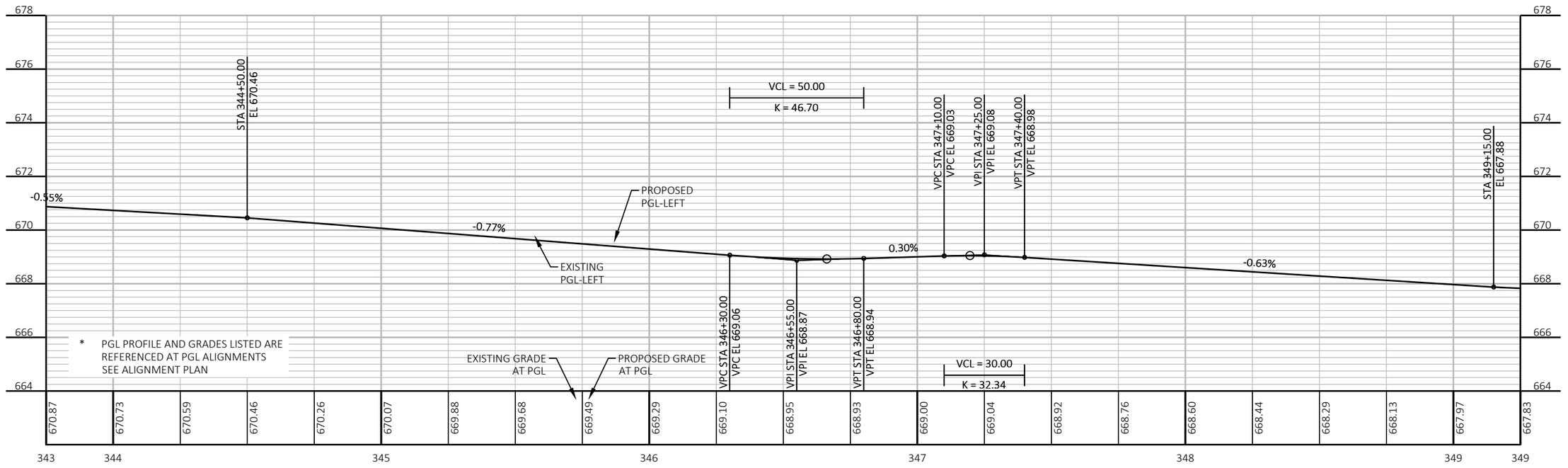
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PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	PGL PROFILES LA CROSSE ST	SHEET 177 E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\050102_PP.DWG
LAYOUT NAME - 08
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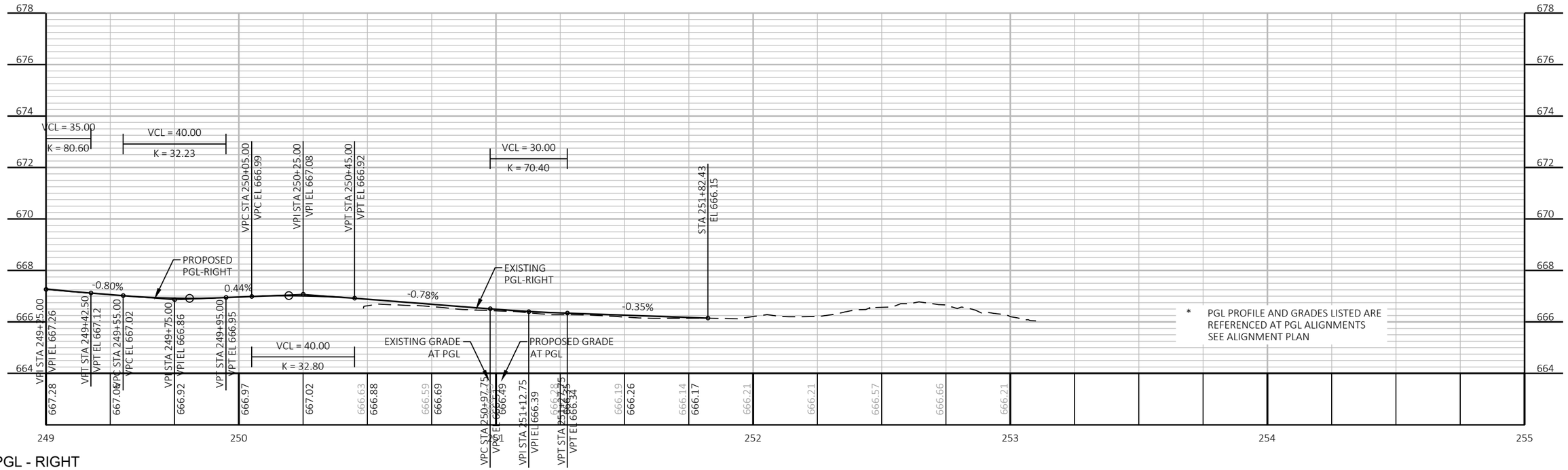


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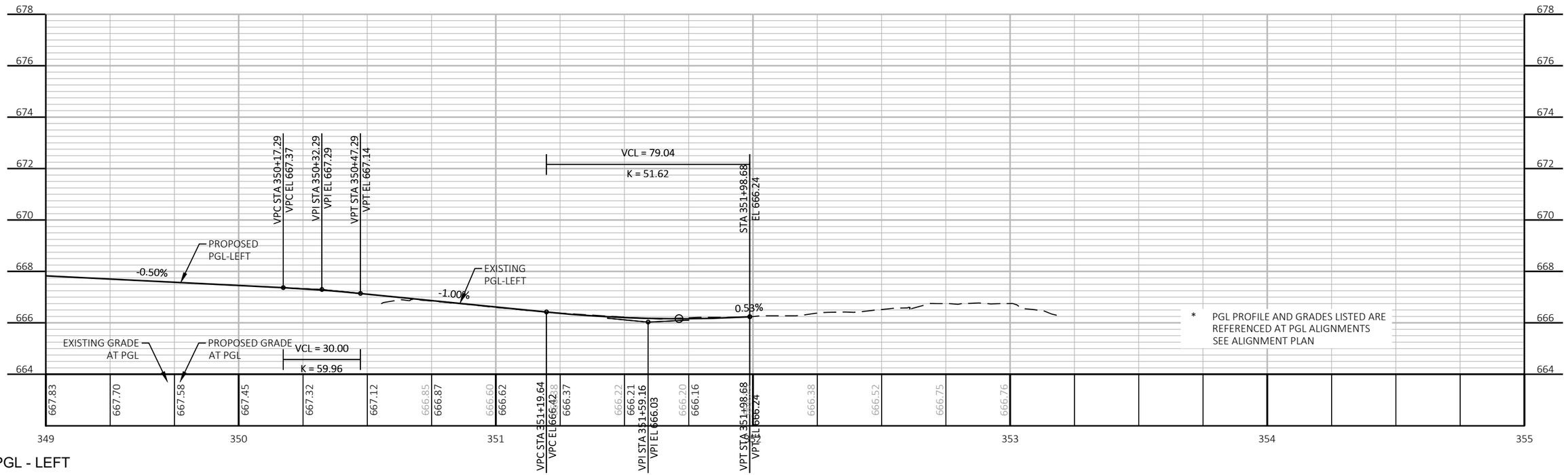


PGL - LEFT

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	PGL PROFILES LA CROSSE ST	SHEET 178	E



PGL - RIGHT



PGL - LEFT

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	PGL PROFILES LA CROSSE ST	SHEET 179	E

Standard Detail Drawing List

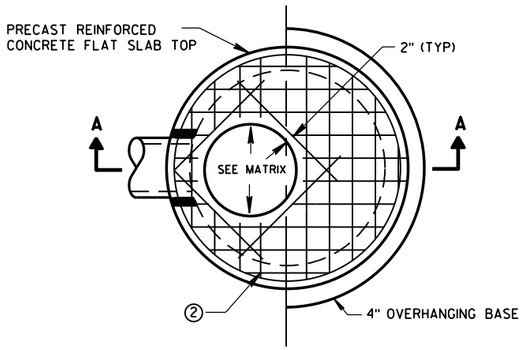
08A08-02	CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER
08B09-02	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08D01-22A	CONCRETE CURB & GUTTER
08D01-22B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D05-20A	CURB RAMPS TYPES 1 AND 1-A
08D05-20B	CURB RAMPS TYPES 2 AND 3
08D05-20C	CURB 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
08D19-02	DRIVEWAY AND SIDEWALK RAMPS TYPE Z
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09B02-10	CONDUIT
09B16-01	PULL BOX NON-CONDUCTIVE
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09C06-07	CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL
09C14-03	CONCRETE CONTROL CABINET BASE, TYPE L
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09D04-03	LIGHTING CONTROL CABINET 120/240 VOLT
09E01-15B	POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS, TYPE 3 (HEAVY DUTY)
09E01-15D	POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)
09E01-15G	HARDWARE DETAILS FOR POLE MOUNTINGS
09E03-06	NON-FREEWAY LIGHTING UNIT POLE WIRING
09E06-05	TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.
09F15-04A	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)
11B02-02	CONCRETE MEDIAN NOSE
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C19-03	HMA LONGITUDINAL JOINTS
14B07-15A	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15B	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15C	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15D	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15E	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15F	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15G	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15H	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15I	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B08-02A	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02B	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02C	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02D	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02E	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
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
15C08-20A	LONGITUDINAL MARKING (MAINLINE)
15C08-20B	PAVEMENT MARKING (TURN LANES)
15C08-20C	PAVEMENT MARKING (TURN LANES)
15C11-09A	CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST
15C11-09B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C18-05A	MEDIAN ISLAND MARKING PAVEMENT MARKINGS
15C18-05B	MEDIAN ISLAND MARKING MEDIAN ISLAND NOSE
15C29-07A	BICYCLE LANE MARKING
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D20-05A	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D20-05B	TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D20-05C	TRAFFIC CONTROL, SINGLE LEFT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D30-06A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-06B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION

6

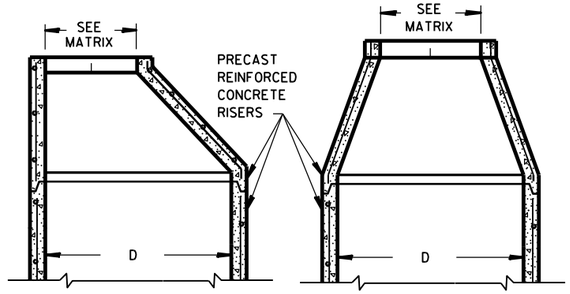
Standard Detail Drawing List

15D30-06C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

6

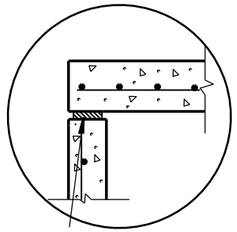


PLAN VIEW CIRCULAR OPENING

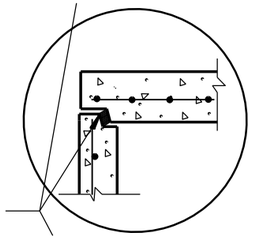


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

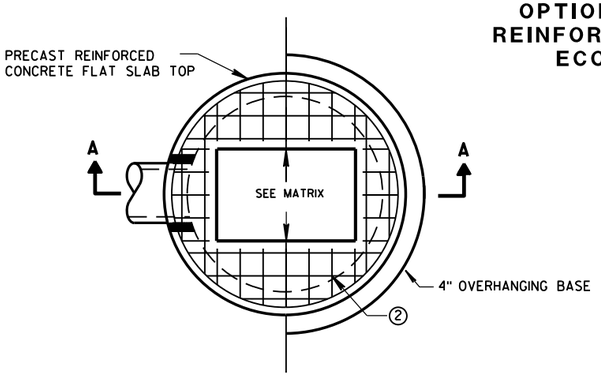
OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP



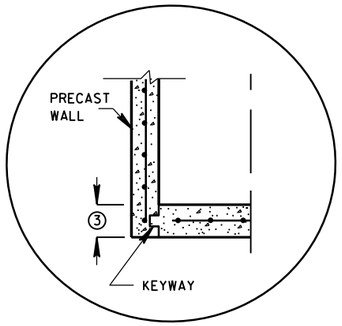
TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT

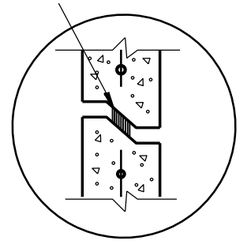


PLAN VIEW RECTANGULAR OPENING



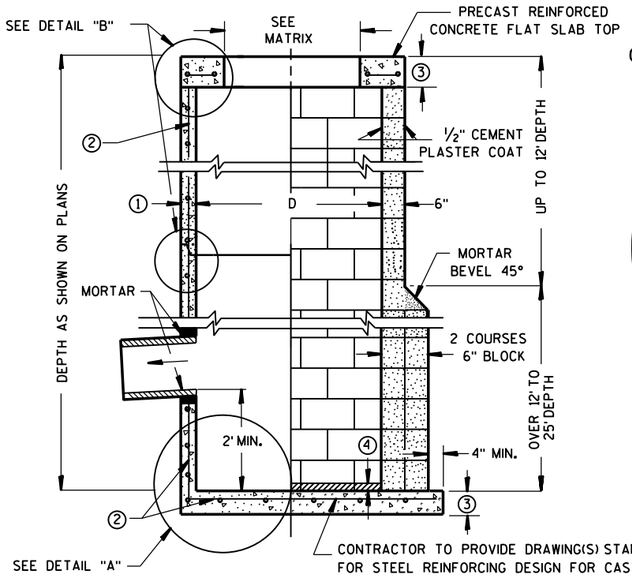
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)

PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



RISER WITH TONGUE AND GROOVE JOINT

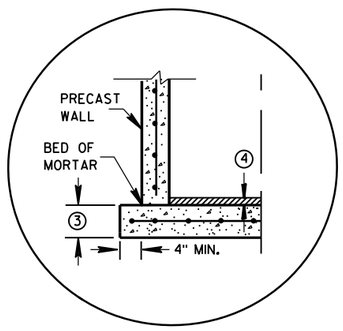
DETAIL "B"



SECTION A-A

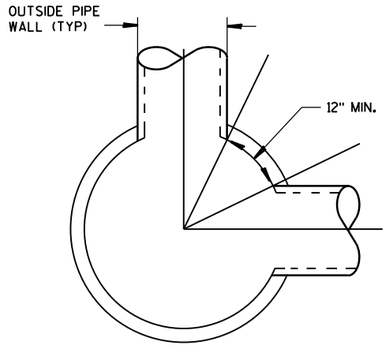
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②



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 CATCH BASIN UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, 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 INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST 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.

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT AND 7 INCHES FOR 6-FT DIAMETER PRECAST CATCH BASINS.

② FOR PRECAST CATCH BASINS 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".

④ 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

CATCH BASIN COVER OPENING MATRIX

CATCH BASIN SIZE	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
	OPENING SIZE (FT)											
3-FT	2X2	X	X					X		X		
	2 DIA.				X							X
4-FT-6-FT	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2 DIA.				X							X
	2X3						X					
	2.5X3					X						

PIPE MATRIX

CATCH BASIN 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	30

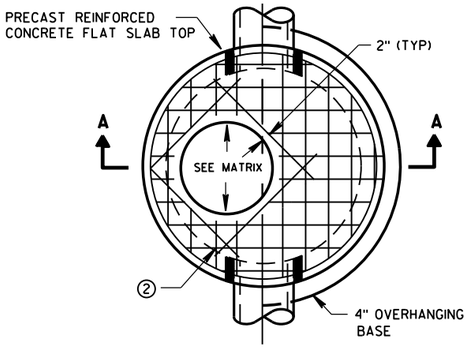
CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

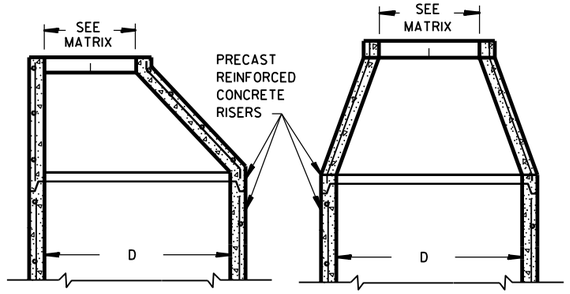
APPROVED
Sept., 2016
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS UNIT SUPERVISOR
FHWA

S.D.D. 8 A 8-2

S.D.D. 8 A 8-2

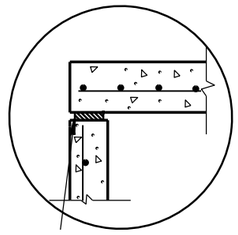


PLAN VIEW CIRCULAR OPENING

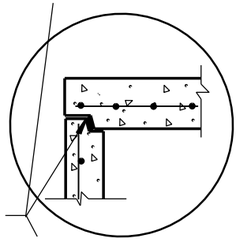


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

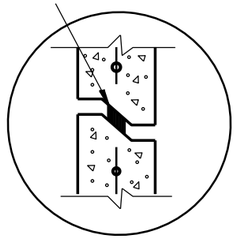


TOP WITH PLAIN END JOINT



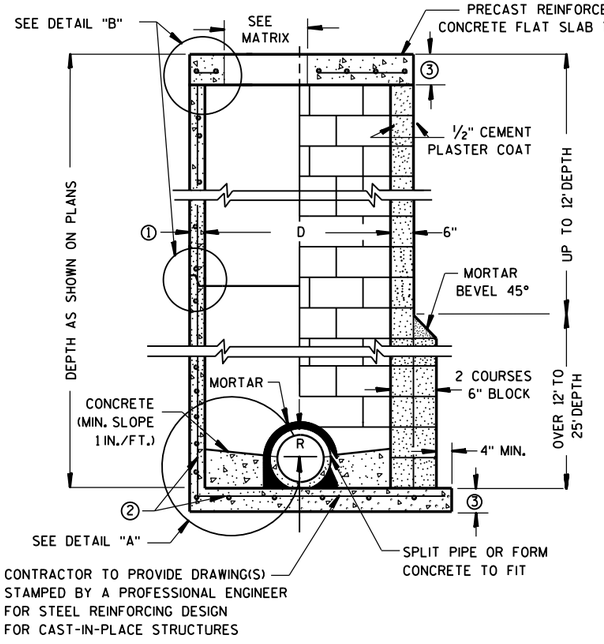
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



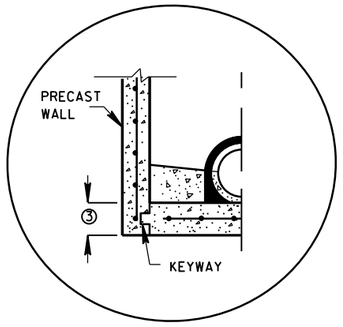
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

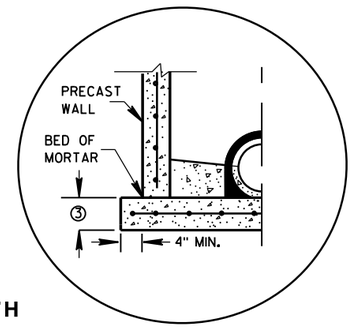


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

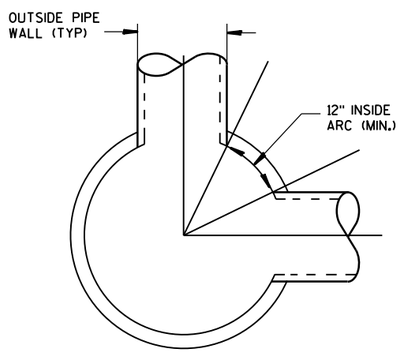


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



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

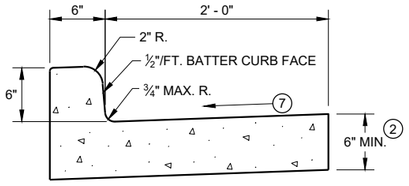
APPROVED

Sept., 2016
DATE

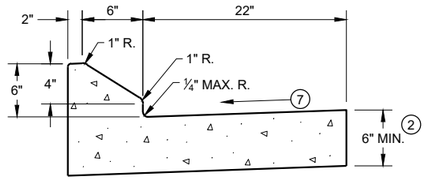
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERV

FHWA

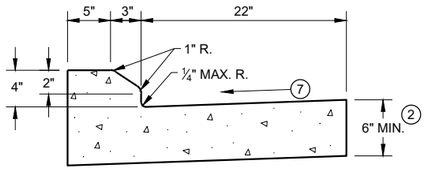
6
S.D.D. 8 B 9-2



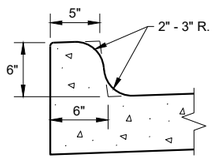
TYPES A[1] & D



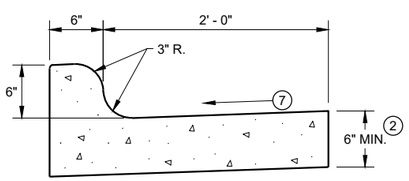
6" SLOPED CURB TYPES G[1] & J



4" SLOPED CURB TYPES G[1] & J

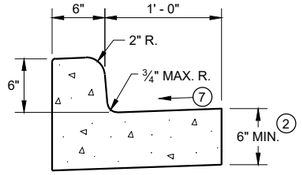


TYPES K[1] & L
(OPTIONAL CURB SHAPE)



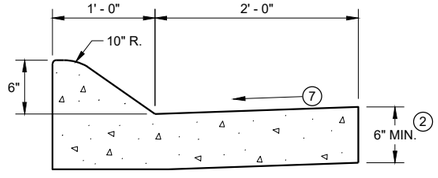
TYPES K[1] & L

CONCRETE CURB AND GUTTER 30"

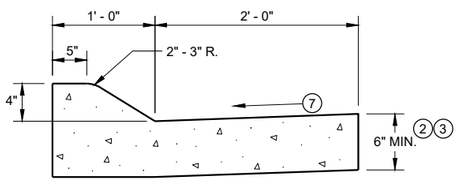


TYPES A[1] & D

CONCRETE CURB AND GUTTER 18"

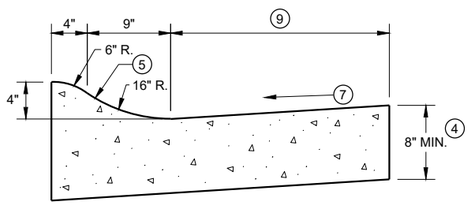


6" SLOPED CURB TYPES A[1] & D



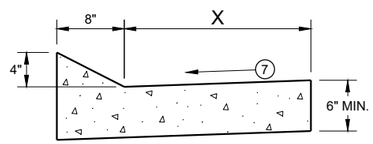
4" SLOPED CURB TYPES A[1] & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R[1] & T

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

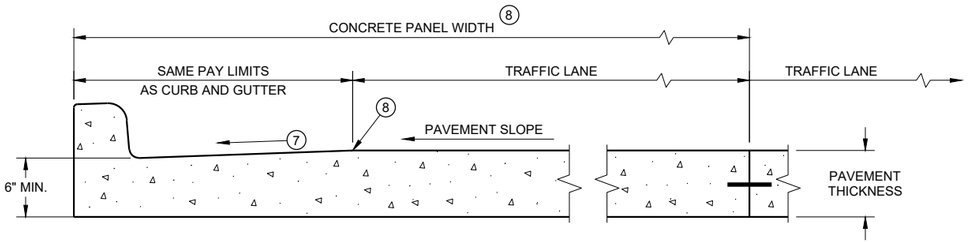


TYPES TBT & TBTT[1]

CONCRETE CURB AND GUTTER

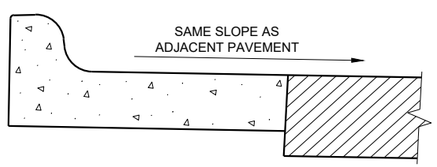
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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.

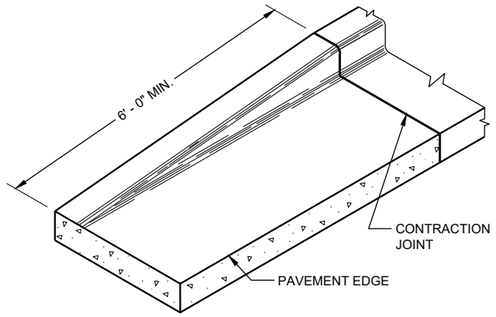
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

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

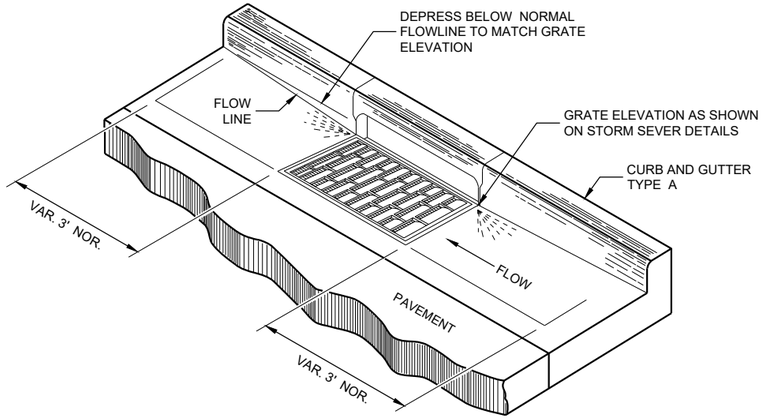
UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

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



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.

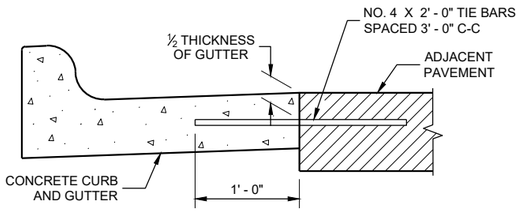
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

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

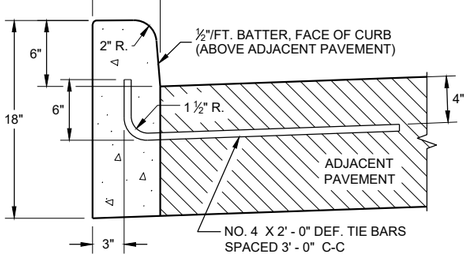
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(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.

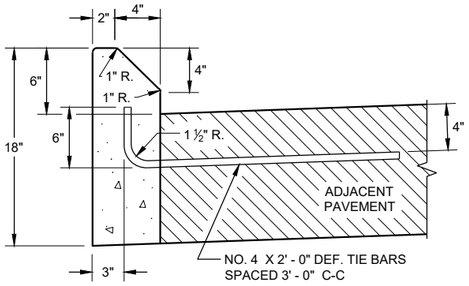
(9) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.



TYPICAL TIE BAR LOCATION (1)

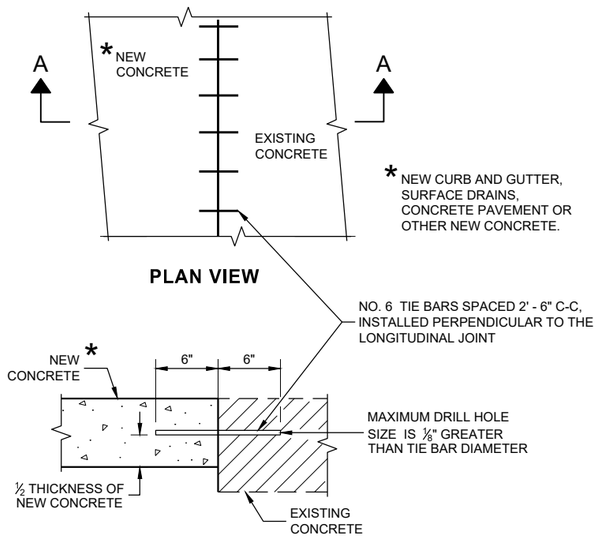


TYPES A (1) & D

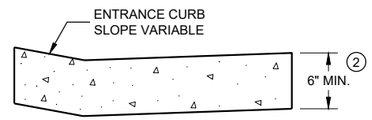


TYPES G (1) & J

CONCRETE CURB



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

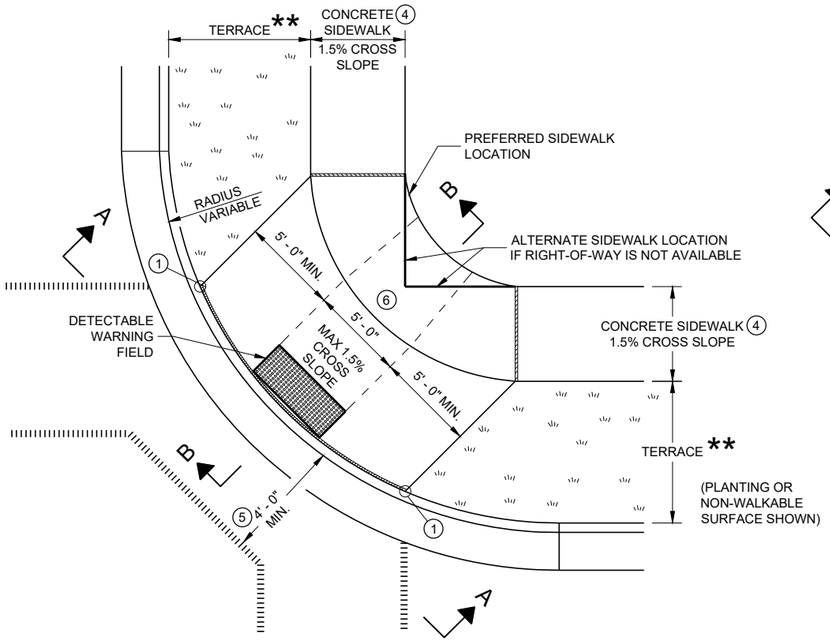
APPROVED
February 2021 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

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SDD08D01 - 22b

6

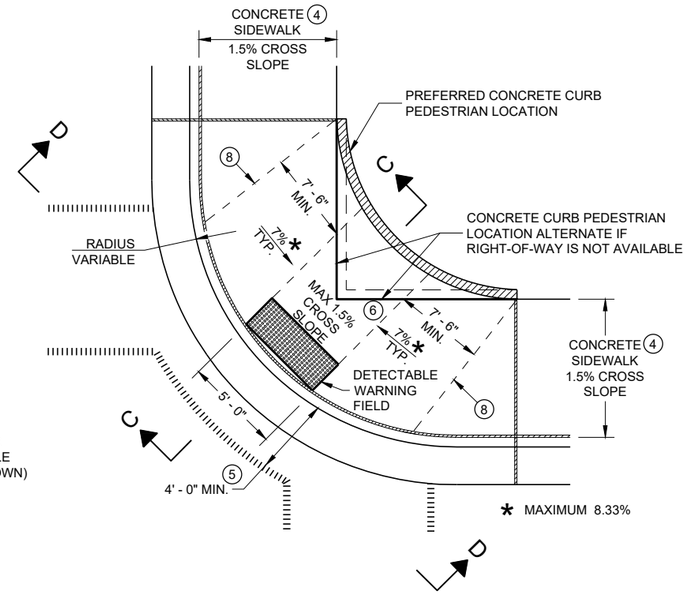
SDD08D01 - 22b



PLAN VIEW

CURB RAMP TYPE 1

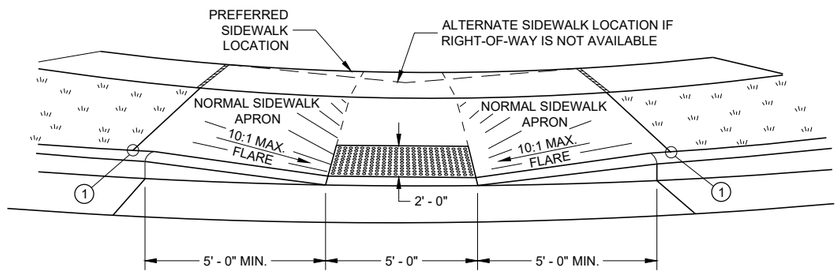
(CENTER OF CORNER RADIUS)



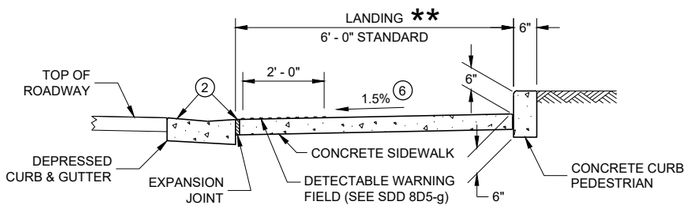
PLAN VIEW

CURB RAMP TYPE 1 - A

(NO TERRACE)

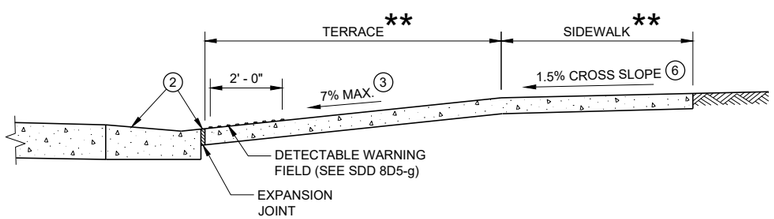


VIEW A - A FOR TYPE 1

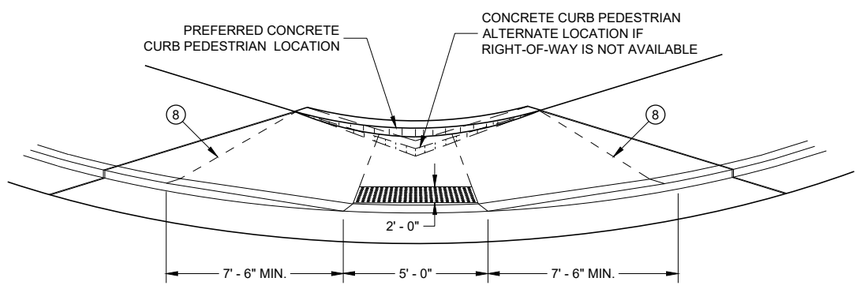


SECTION C - C FOR TYPE 1 - A

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B - B FOR TYPE 1



VIEW D - D FOR TYPE 1 - A

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.

LEGEND

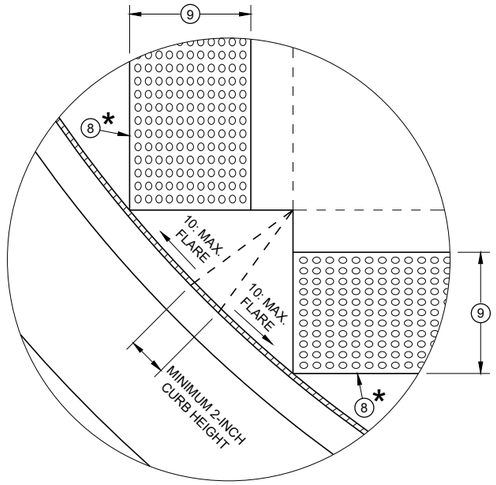
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPE 1 AND 1-A

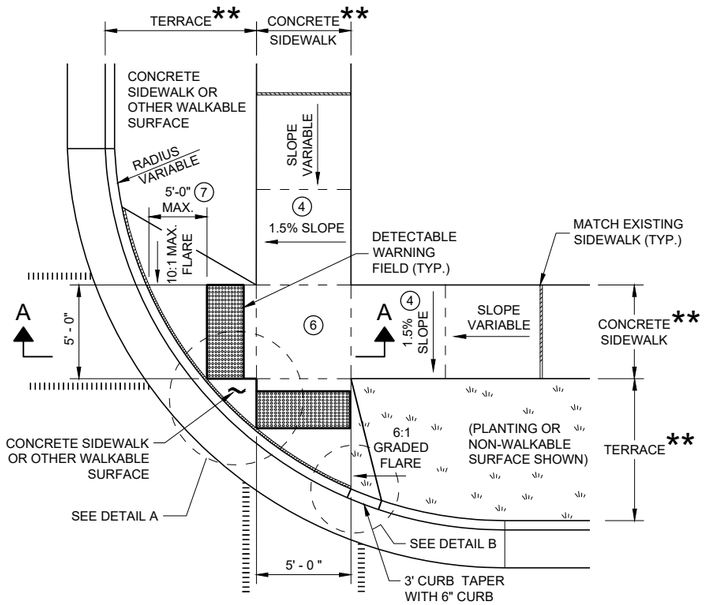
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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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.

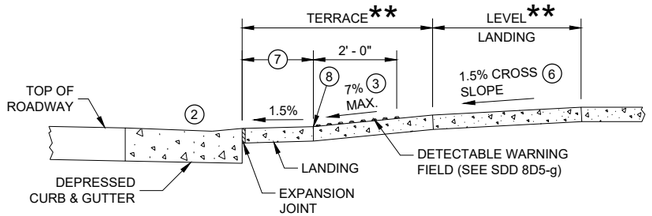
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(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.

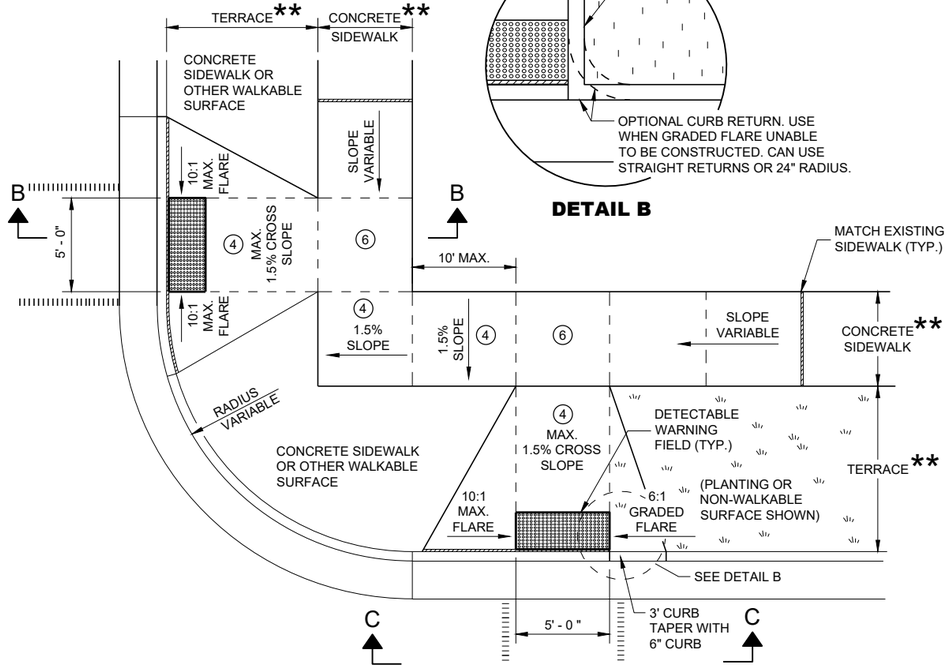
(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.



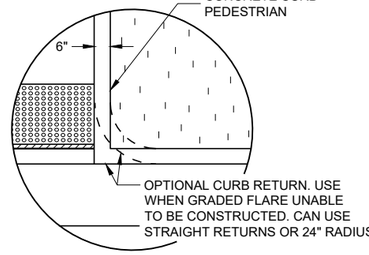
SECTION A - A FOR TYPE 2

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

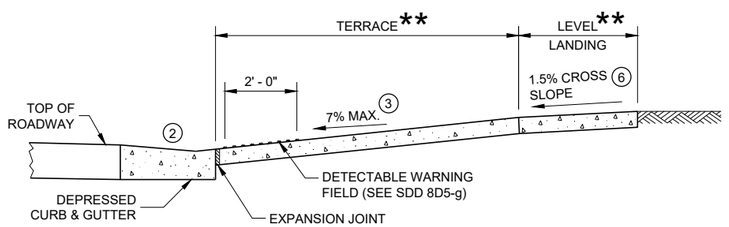
** WIDTH SHOWN ELSEWHERE IN THE PLANS



PLAN VIEW
CURB RAMP TYPE 3
(OUTSIDE OF CROSSWALK AREA)



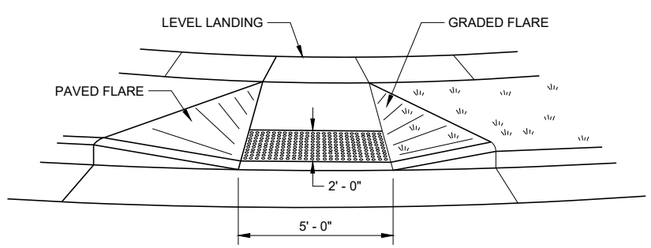
DETAIL B



SECTION B - B FOR TYPE 3

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)



VIEW C - C FOR TYPE 3

CURB RAMPS TYPE 2 AND 3

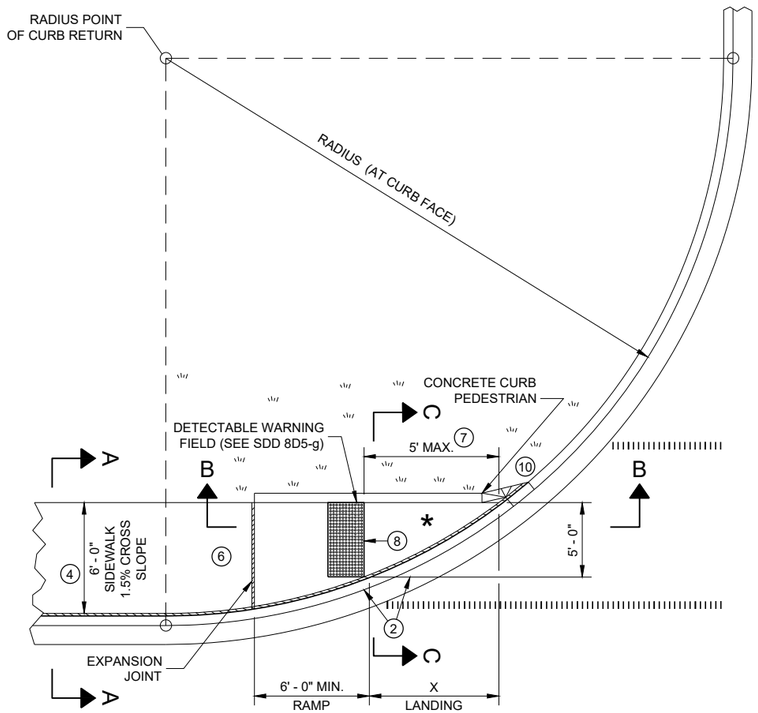
STATE OF WISCONSIN
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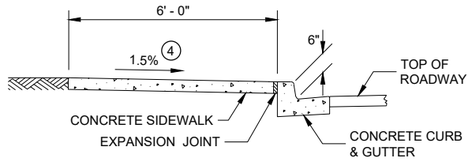


PLAN VIEW

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.

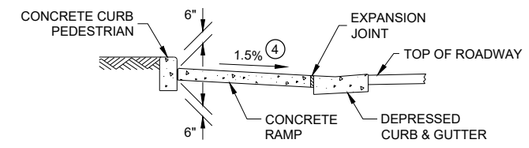
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

LEGEND

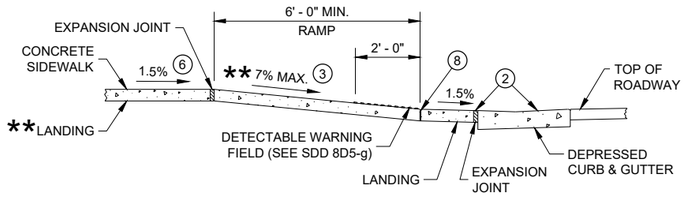
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)



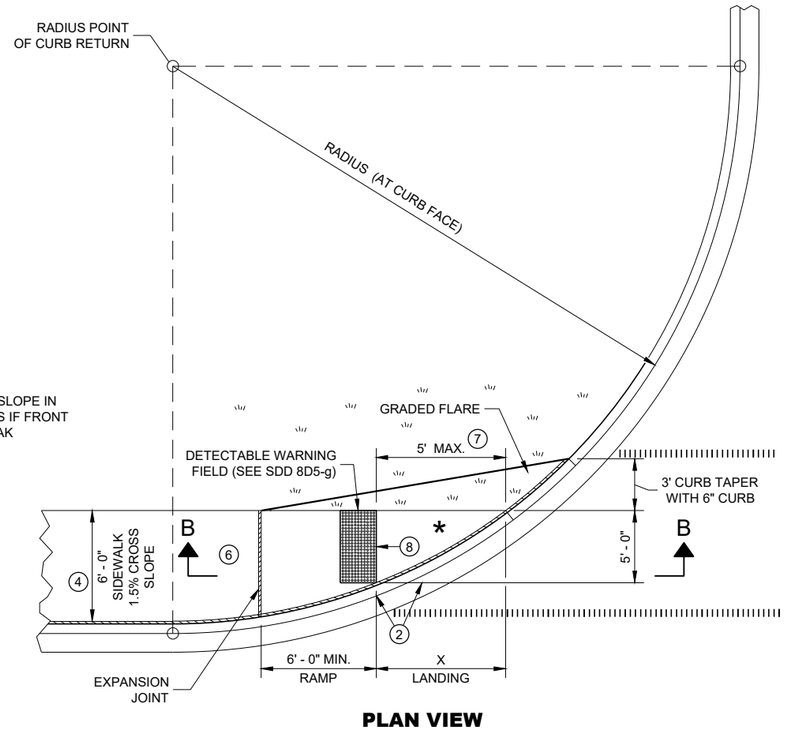
SECTION C - C FOR TYPE 4A



SECTION B - B FOR TYPE 4A AND TYPE 4A1

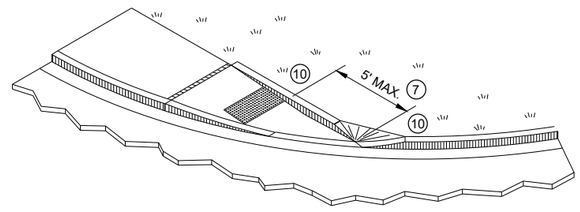
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

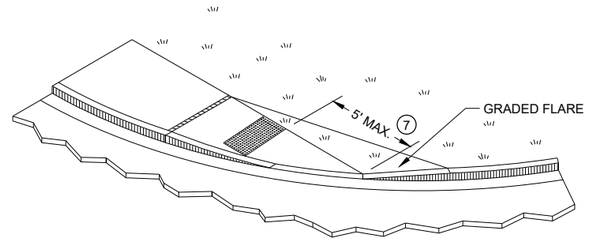


PLAN VIEW

CURB RAMP TYPE 4A1



ISOMETRIC VIEW FOR TYPE 4A



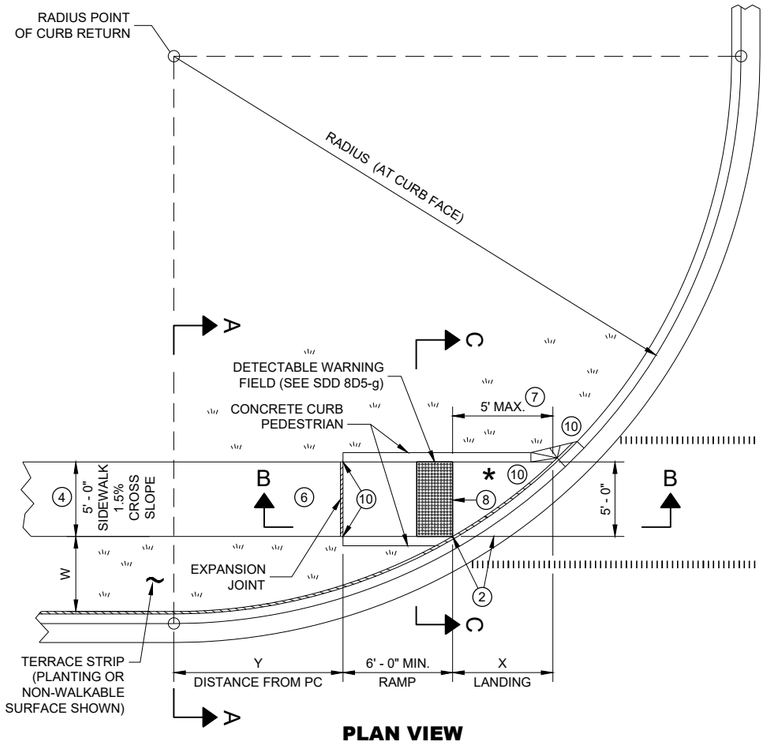
ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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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

SECTION C - C FOR TYPE 4B

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.

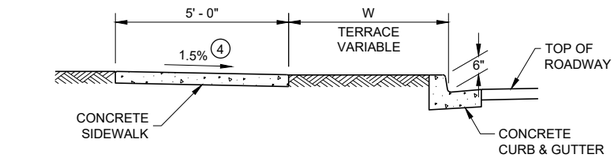
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

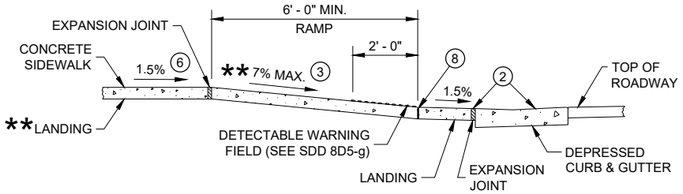
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

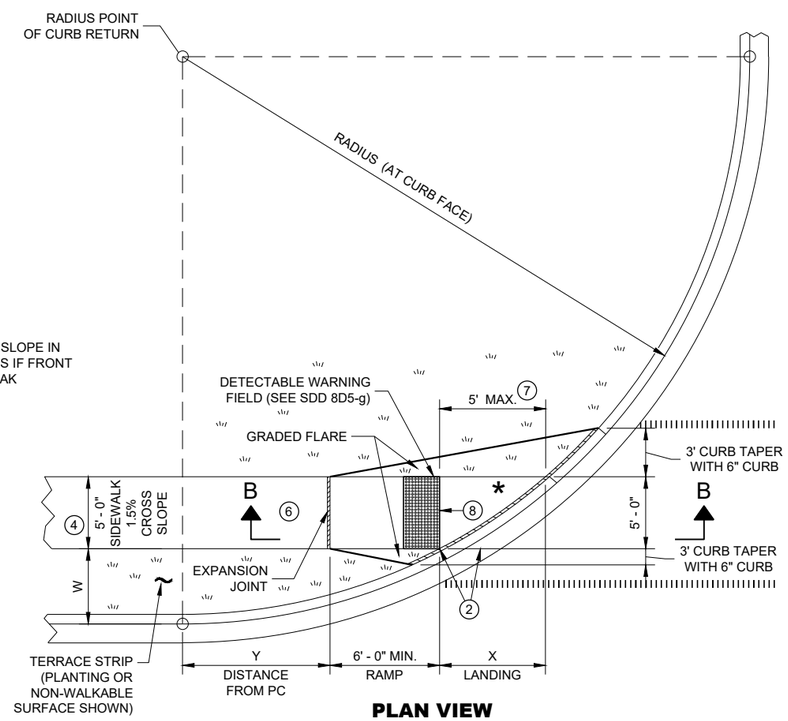


SECTION A - A FOR TYPE 4B



** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

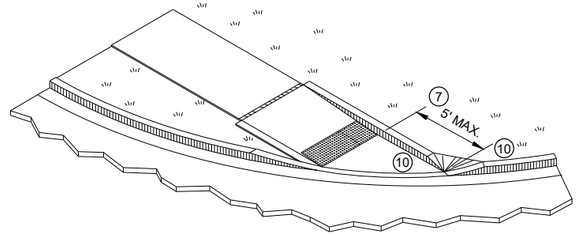
SECTION B - B FOR TYPE 4B AND TYPE 4B1



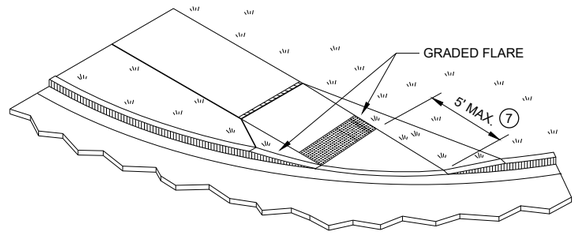
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

PLAN VIEW

CURB RAMP TYPE 4B1



ISOMETRIC VIEW FOR TYPE 4B



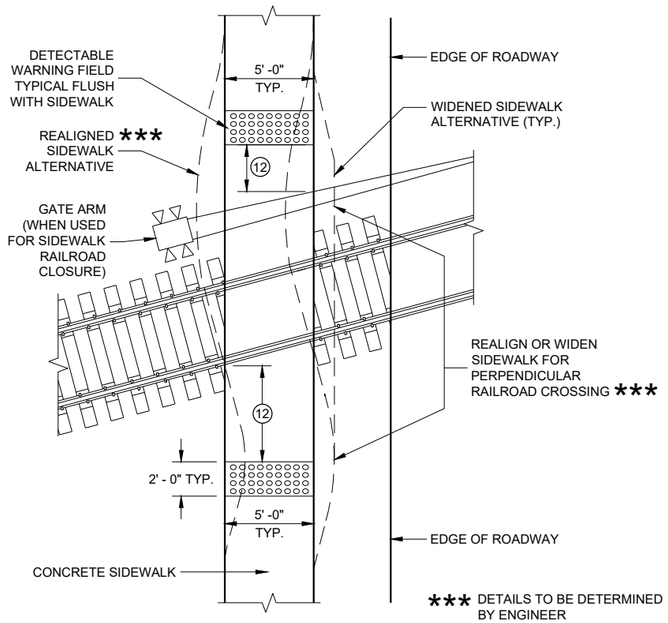
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

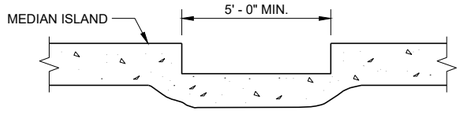
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SDD 08D05 - 20d

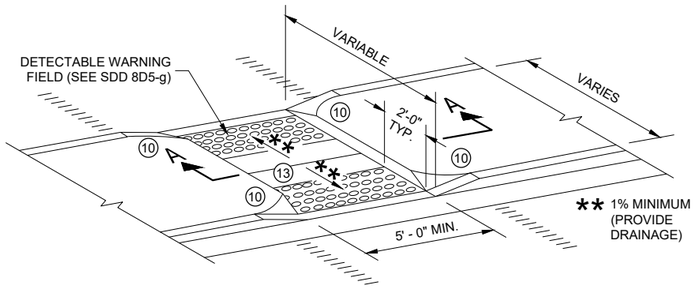


CURB RAMP TYPE 8

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 ½ - 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.

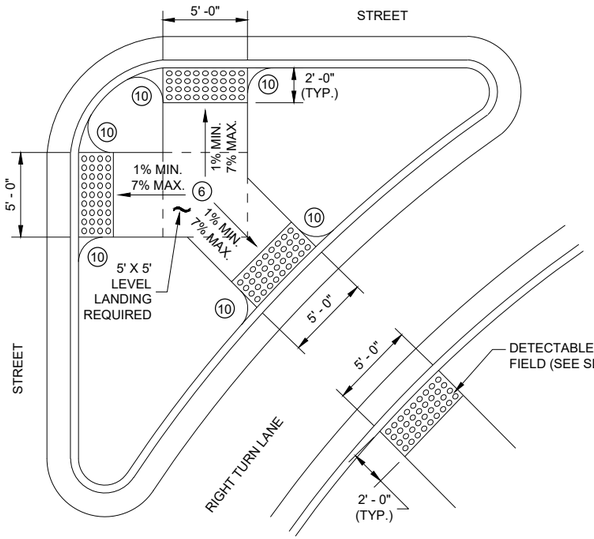
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(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

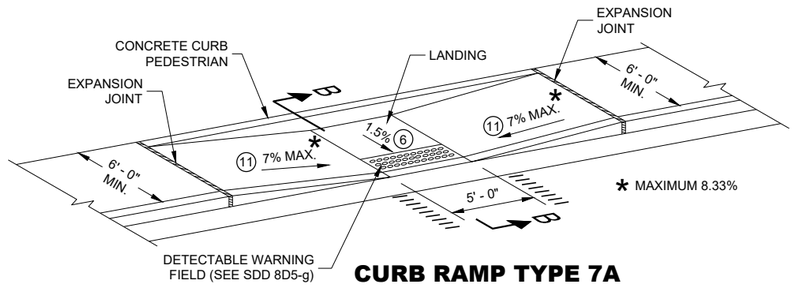
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



CURB RAMP TYPE 6

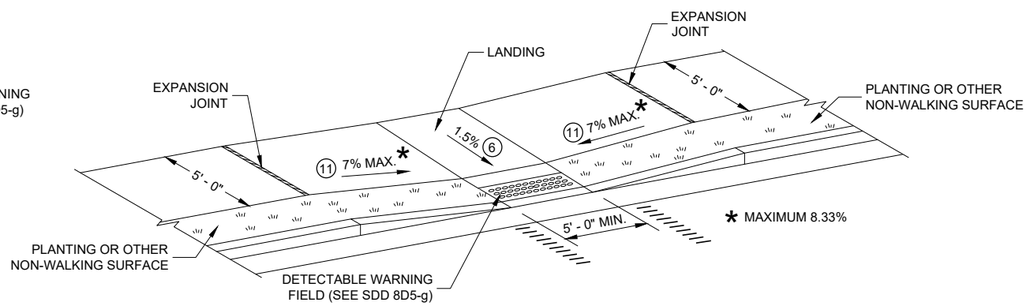
DETECTABLE WARNING AT ISLANDS

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS



CURB RAMP TYPE 7A

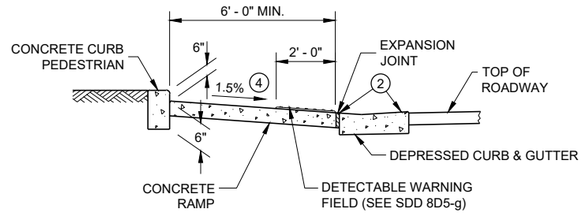
MID BLOCK CROSSING



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

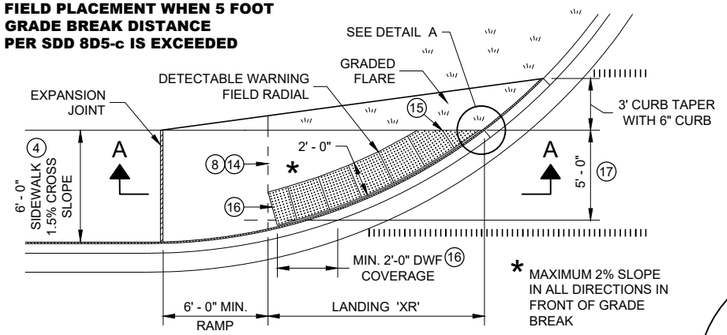
CURB RAMPS TYPE 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20e

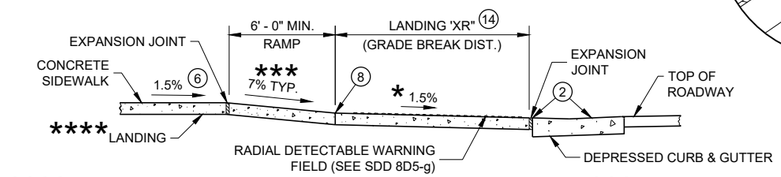
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



PLAN VIEW

CURB RAMP TYPE 4A1

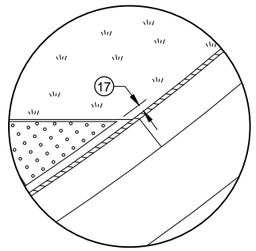
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION A - A FOR TYPE 4A1



DETAIL A

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.

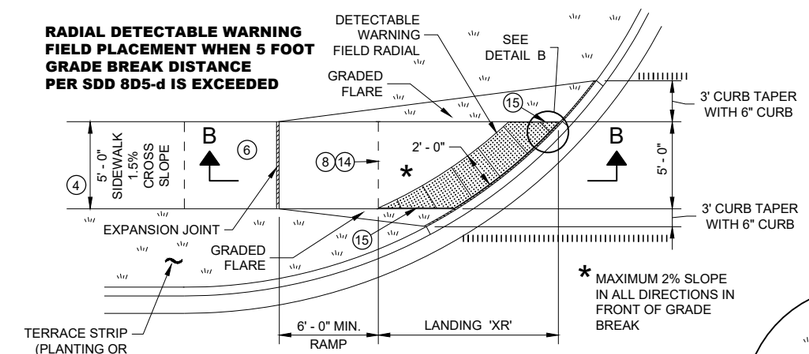
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(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.

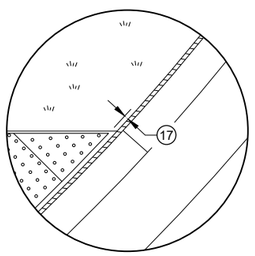
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED



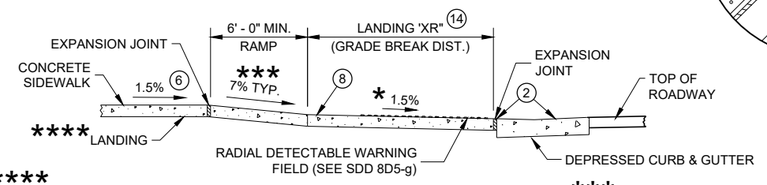
PLAN VIEW

CURB RAMP TYPE 4B1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL B

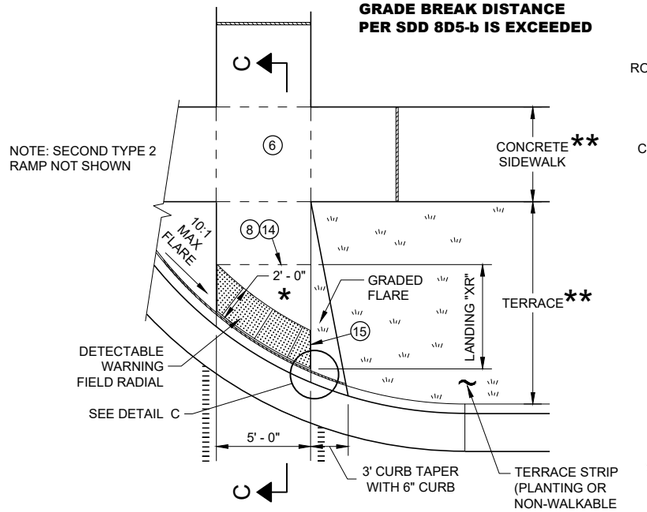


**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION B - B FOR TYPE 4B1

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-b IS EXCEEDED

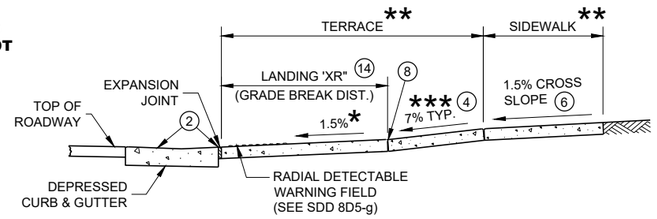


PLAN VIEW

CURB RAMP TYPE 2

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

(ON LINE WITH SIDEWALK)

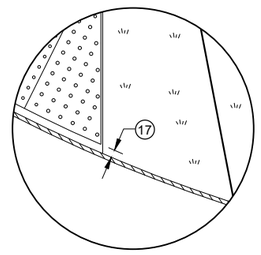


SECTION C - C FOR TYPE 2

* 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

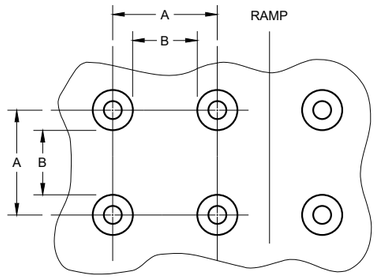
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 08D05 - 20f

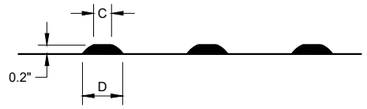
SDD 08D05 - 20f

	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.

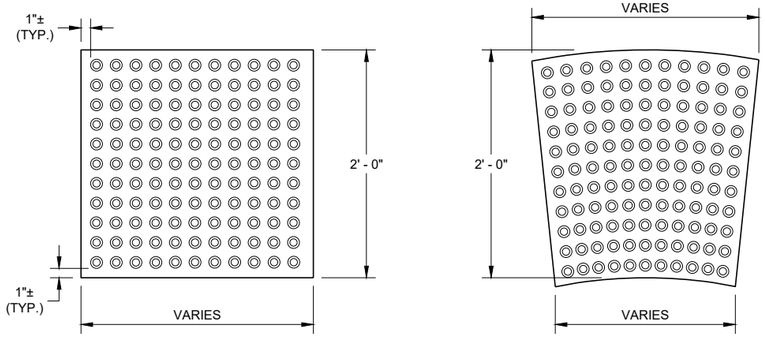


PLAN VIEW



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.

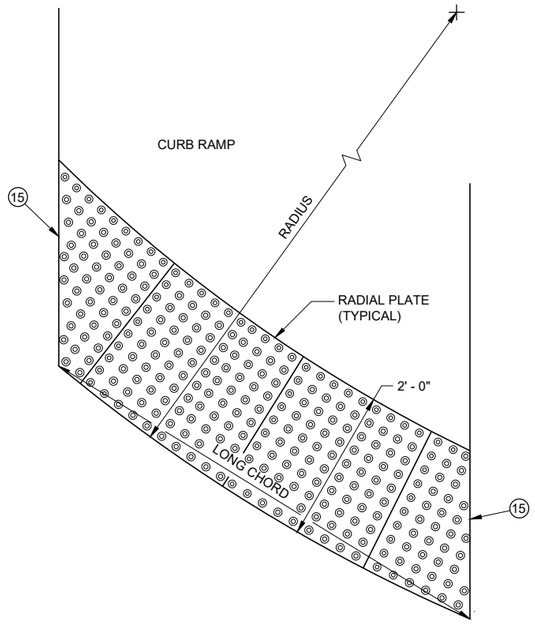
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

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.

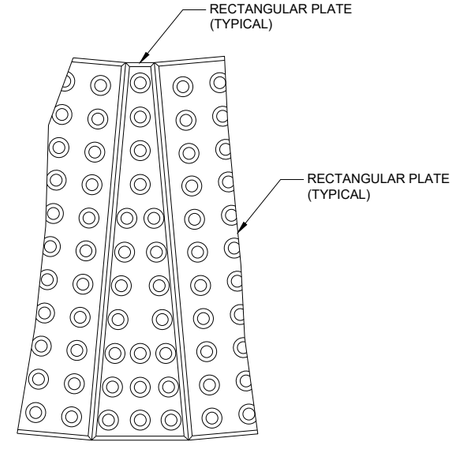
REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

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

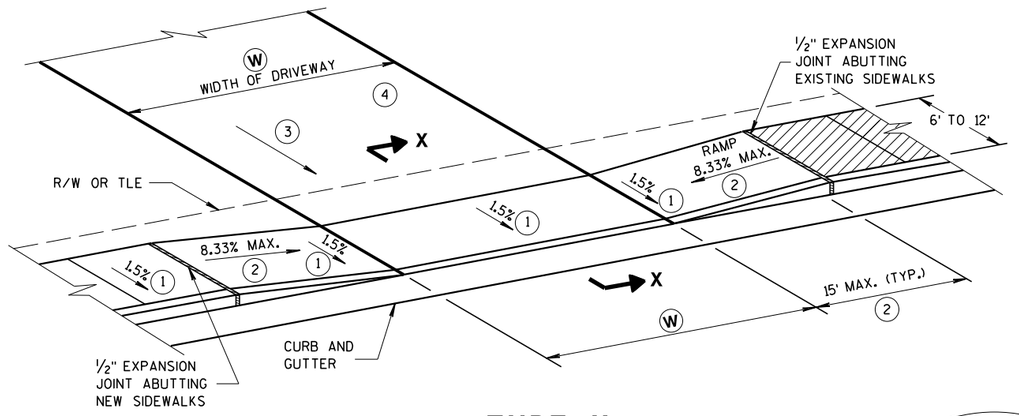
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE UNIT SUPERVISOR

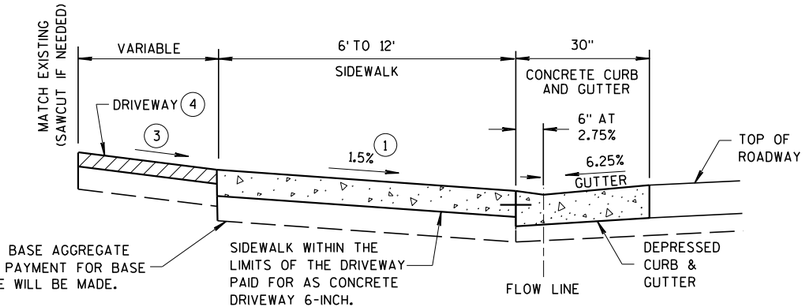
FHWA

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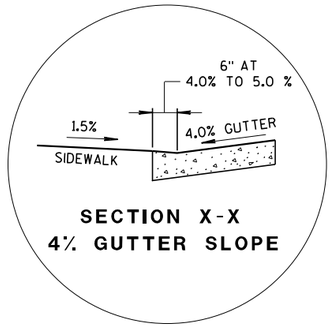
SDD 08D05 - 20g



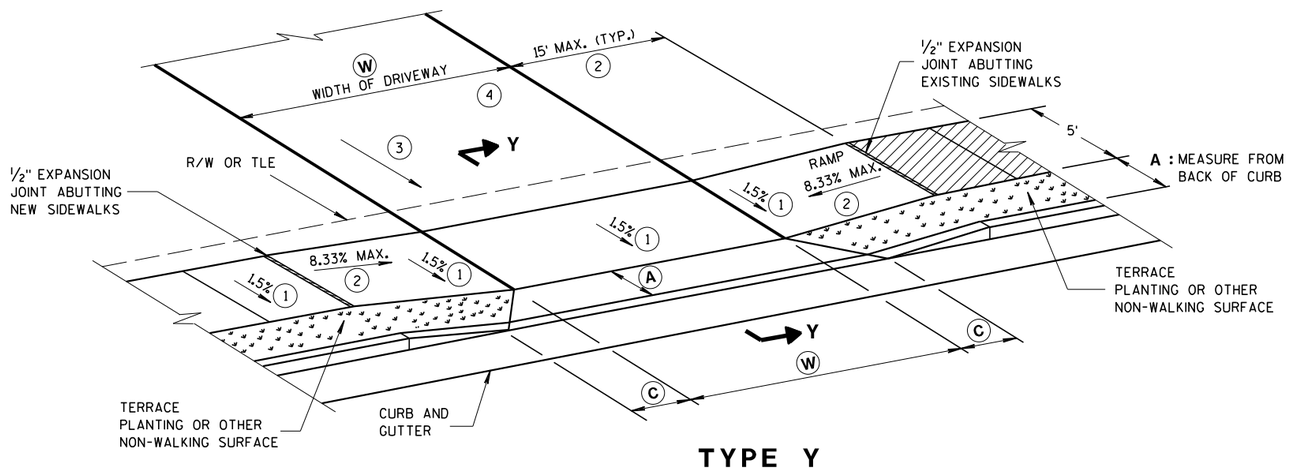
TYPE X
SIDEWALK ABUTS CURB & GUTTER
TERRACE VARIES 0 TO 3 FEET



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.

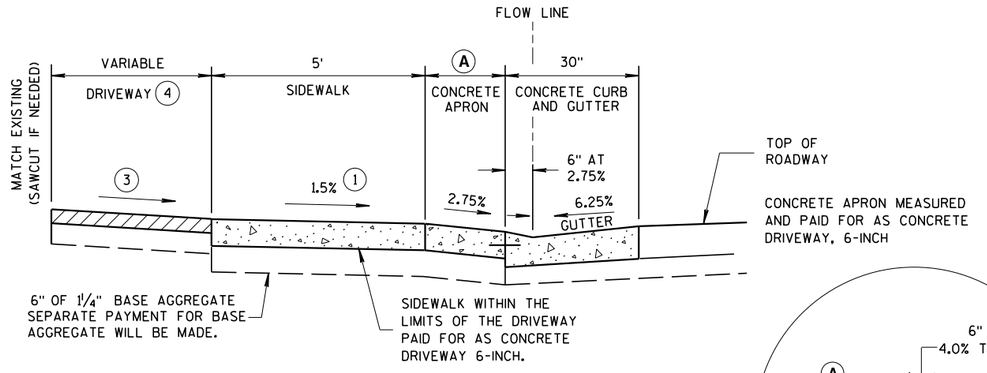
OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

(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.

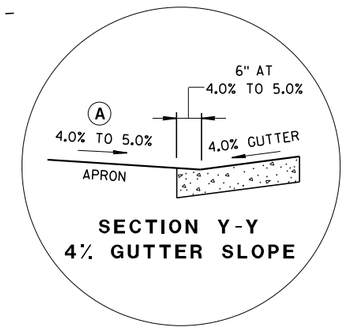
(3) DRIVEWAY SLOPES: DESIRABLE MAXIMUM
- 10.5% UP AWAY FROM SIDEWALK (SAG)
- 8.5% DOWN AWAY FROM SIDEWALK (CREST)
- ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG

(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



SECTION Y-Y
4% GUTTER SLOPE

DRIVEWAY DETAIL
WITH CONCRETE CURB & GUTTER
(URBAN AND SUBURBAN)

TABLE Y

(A) FEET	(C) FEET
3.5'	2.0'
4.5'	3.0'
5.5'	3.5'

NOT TO SCALE

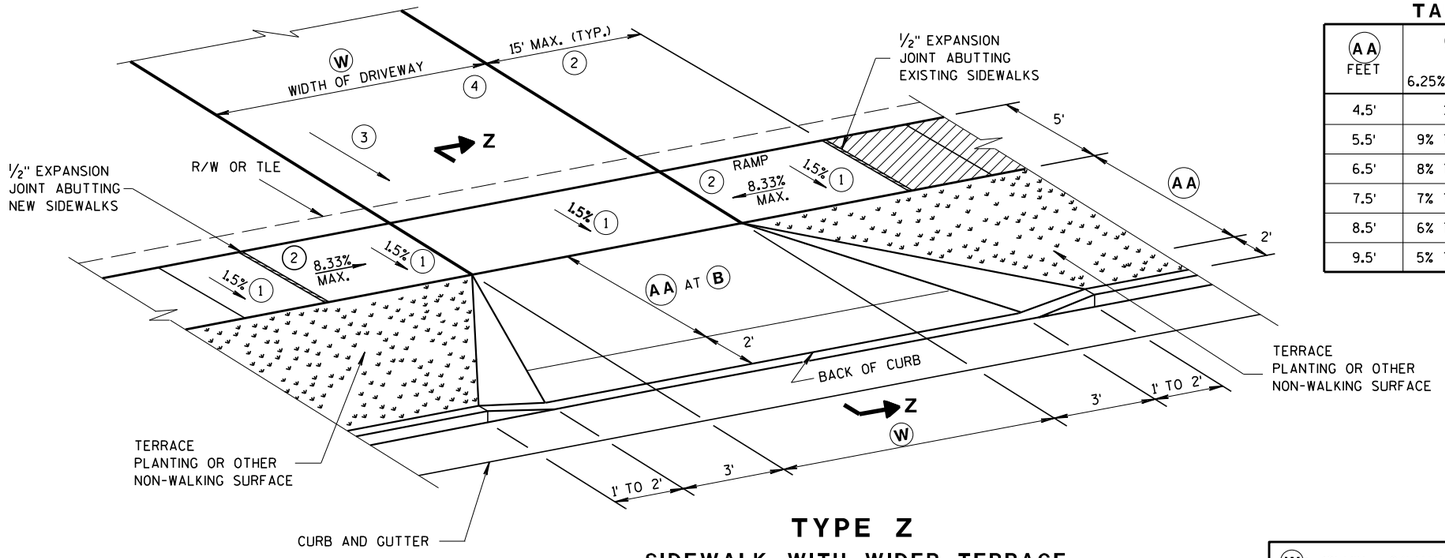
DRIVEWAY AND SIDEWALK RAMPS
TYPES X & Y

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR
FHWA

S.D.D. 8 D 18-2

6



TYPE Z

SIDEWALK WITH WIDER TERRACE

TERRACE VARIES 7 TO 12 FEET

TABLE Z

(AA) FEET	(B) % 6.25% GUTTER	(B) % 4% GUTTER
4.5'	11.5%	9% TO 11.5%
5.5'	9% TO 11.5%	8% TO 11.5%
6.5'	8% TO 11.5%	6% TO 11.5%
7.5'	7% TO 11.5%	6% TO 11.5%
8.5'	6% TO 11.5%	5% TO 11.5%
9.5'	5% TO 11.5%	4% TO 11.5%

(W): 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)

16' MIN. - 35' MAX. COMMERCIAL (CE)

GENERAL NOTES

PROVIDE CONSTRUCTION JOINTS ALONG THE CENTER OF THE CONCRETE FOR DRIVEWAYS UNDER 20 FEET IN WIDTH AND AT THE THIRD POINTS OVER 20 FEET IN WIDTH.

(W) IS SHOWN ON PLAN AND PROFILE SHEETS.

OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

(1) CONSTRUCTION TOLERANCE OF 0.5% ± FOR SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

(2) THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL GRADE OF THE ROADWAY.

(3) DRIVEWAY SLOPES: DESIRABLE MAXIMUM

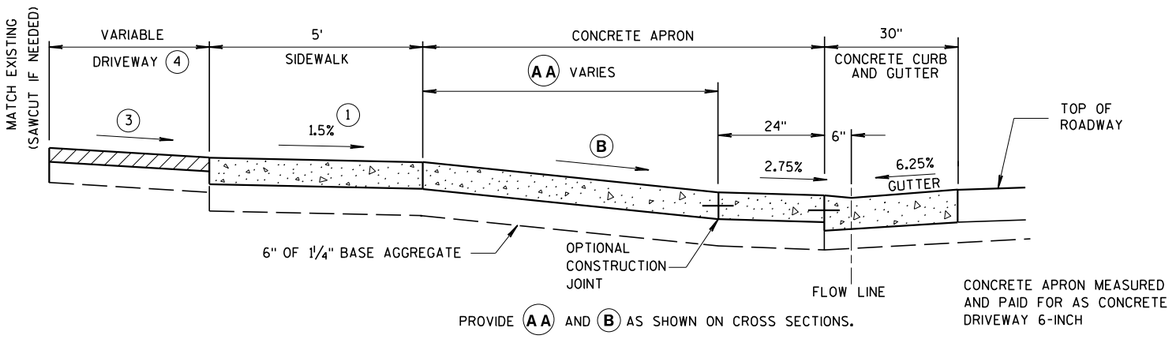
10.5% UP AWAY FROM SIDEWALK (SAG)

8.5% DOWN AWAY FROM SIDEWALK (CREST)

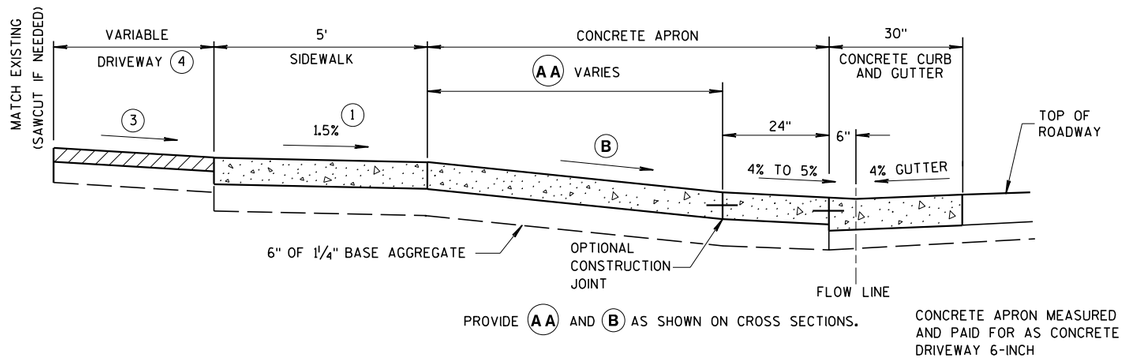
ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG

(4) DRIVEWAY TYPES

- 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE
- 2-INCH TO 3-INCH ASPHALTIC SURFACE OVER 6-INCH BASE AGGREGATE
- 6-INCH BASE AGGREGATE (MAY BE INCREASED FOR CLAY SUBGRADES)



6.25% GUTTER SLOPE



4% GUTTER SLOPE

NOTE: SIDEWALK MAY BE DEPRESSED IN DRIVEWAY AREAS FOR **B** VALUES NOT SHOWN IN TABLE Z.

SIDEWALK WITHIN THE LIMITS OF THE DRIVEWAY PAID FOR AS CONCRETE DRIVEWAY 6-INCH.

SEPARATE PAYMENT FOR BASE AGGREGATE WILL BE MADE.

SECTION Z-Z

DRIVEWAY DETAIL WITH CONCRETE CURB & GUTTER

(URBAN AND SUBURBAN)

NOT TO SCALE

DRIVEWAY AND SIDEWALK RAMPS TYPE Z

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

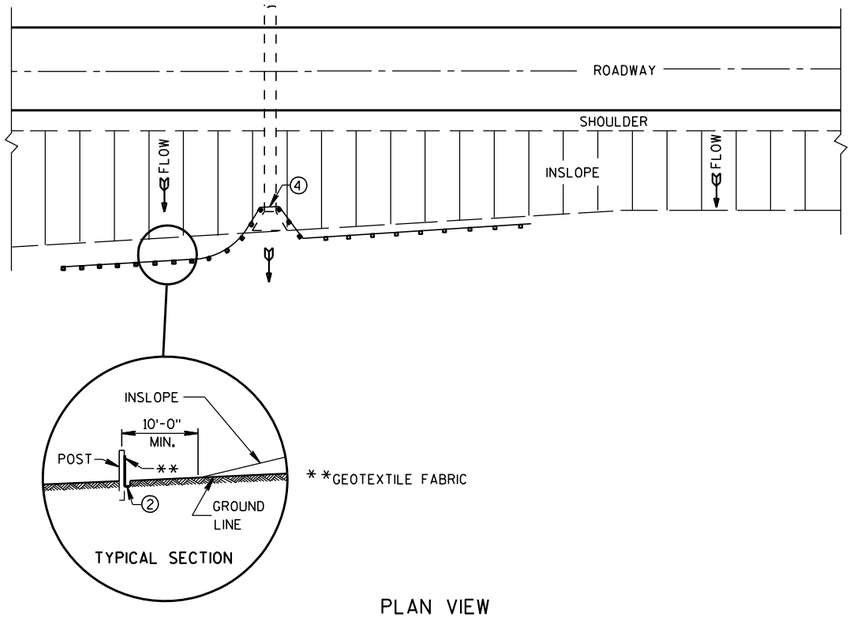
APPROVED
March 2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR
FHWA

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S.D.D. 8 D 19-2

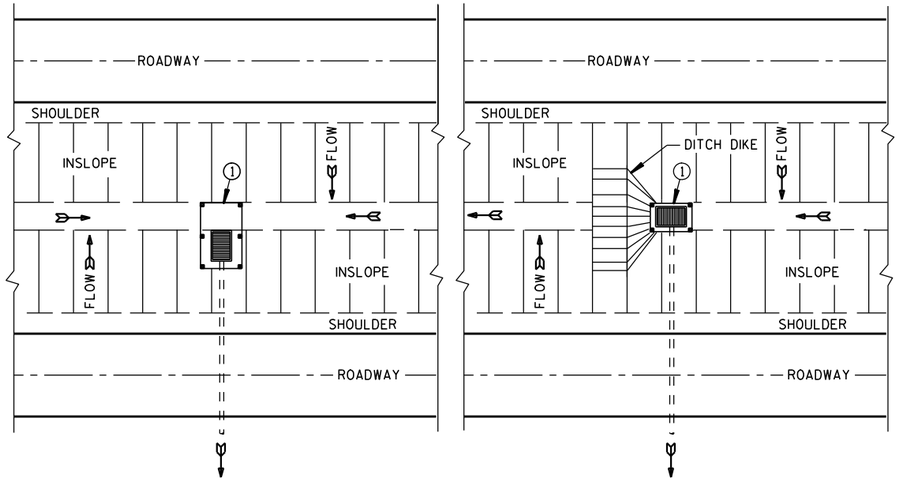
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S.D.D. 8 D 19-2



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



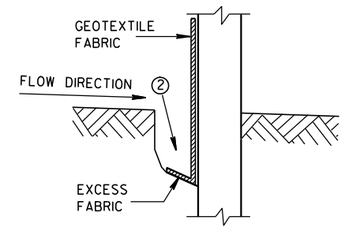
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

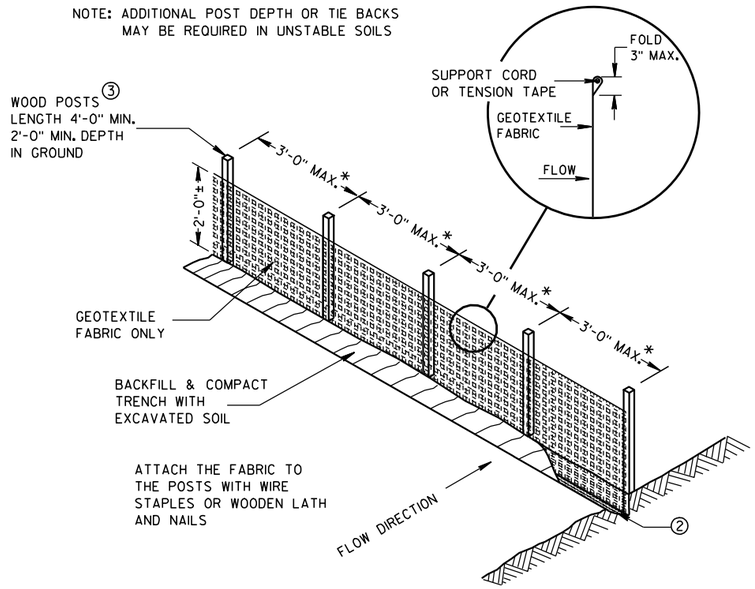
GENERAL NOTES

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

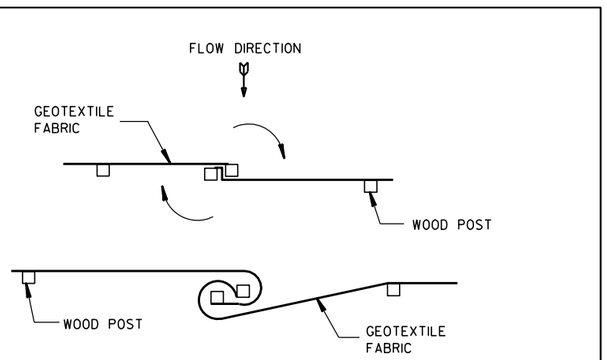
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL 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.



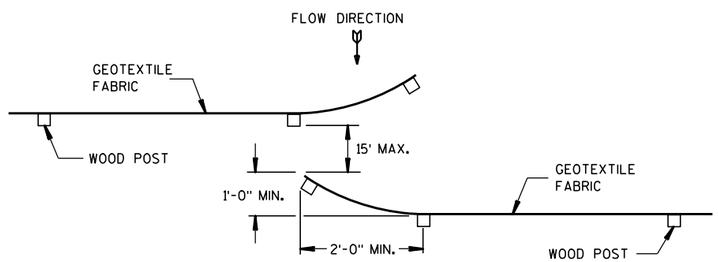
TRENCH DETAIL



SILT FENCE

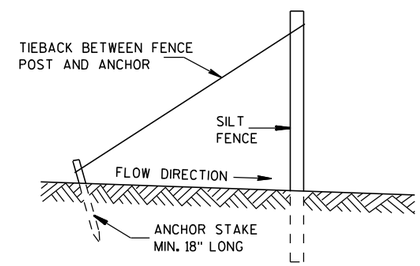


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

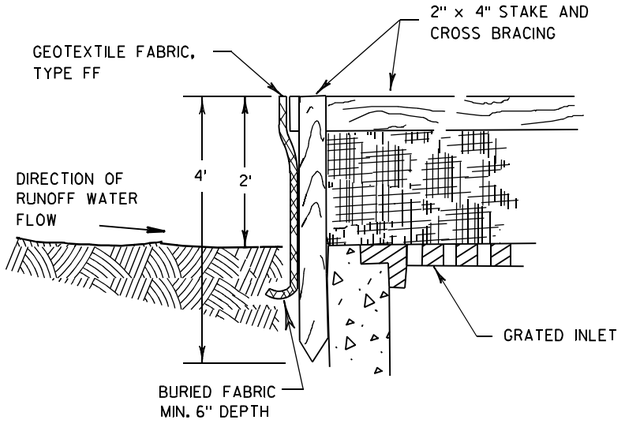
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

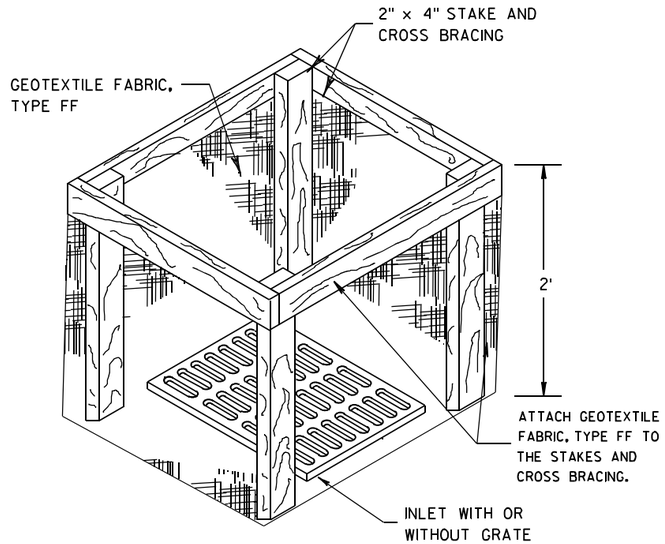
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S.D.D. 8 E 9-6

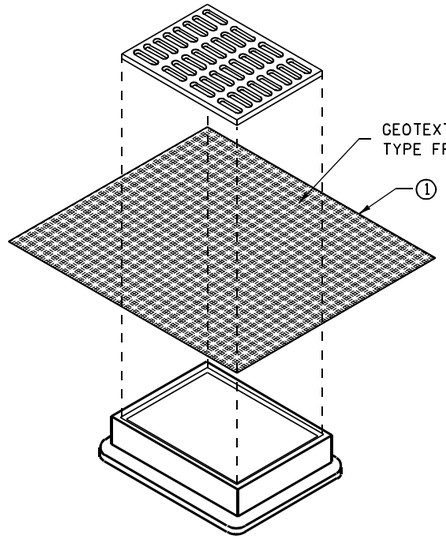
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S.D.D. 8 E 9-6



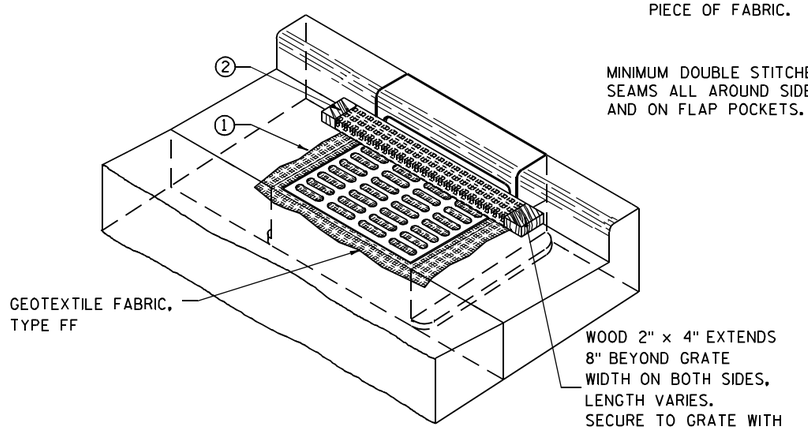


INLET PROTECTION, TYPE A

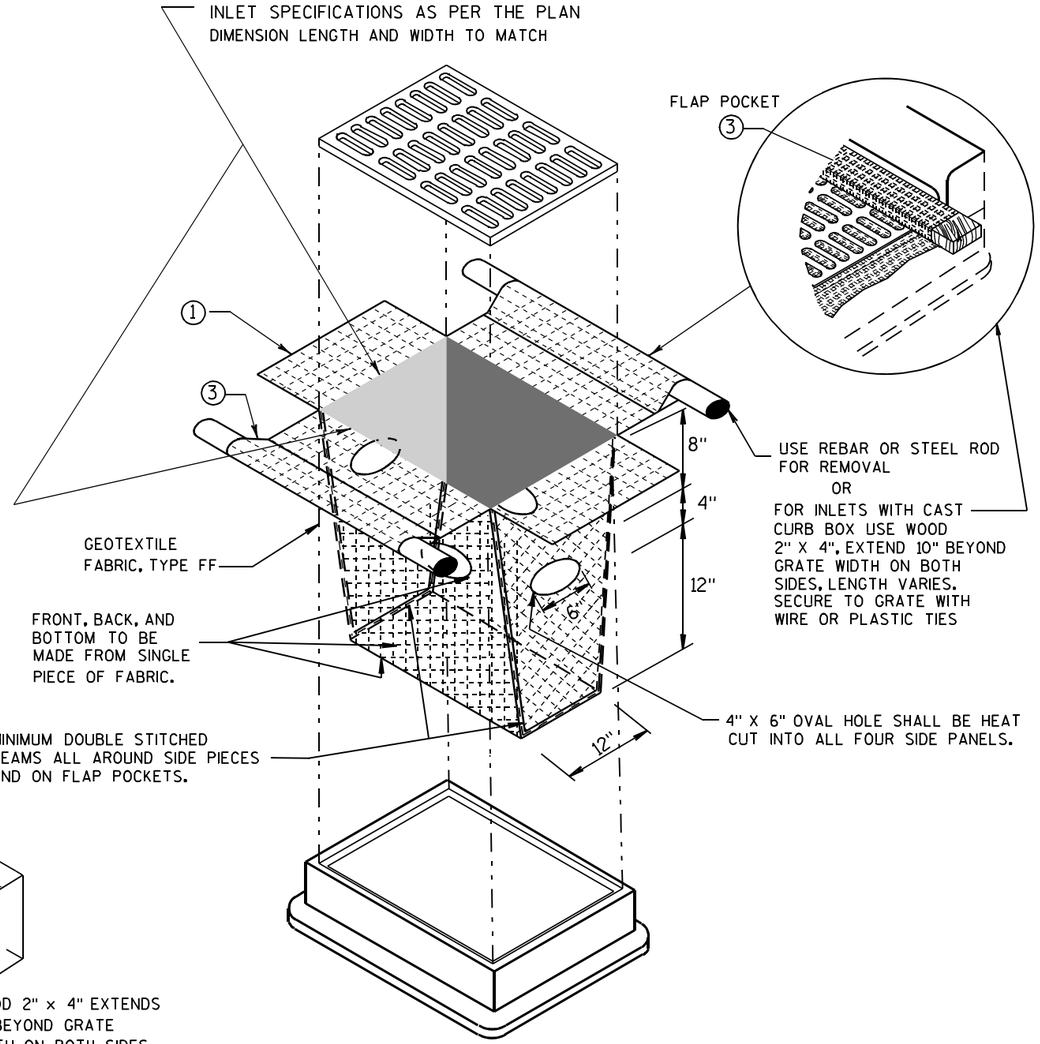


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

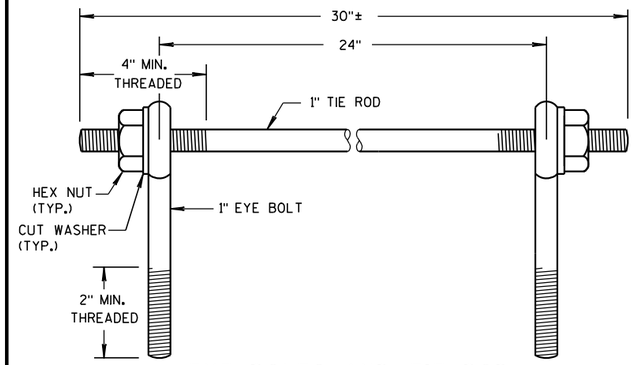
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

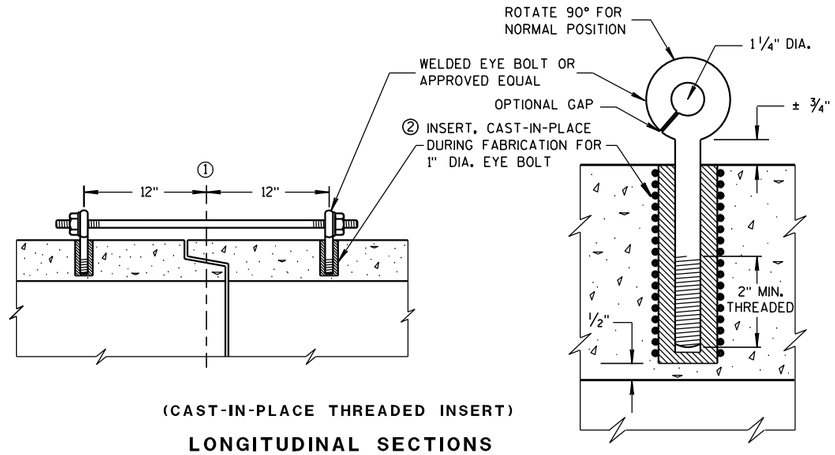
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/16/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 E 10-2



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 ℄ OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

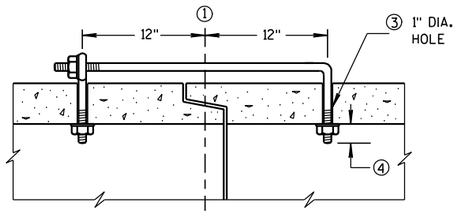
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

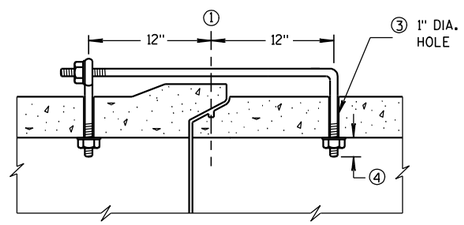
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

⑤ OPENING TO BE ROD DIAMETER PLUS 1 INCH.

⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN 1/2 INCH OF THE INNER SURFACE OF THE PIPE.



(TONGUE & GROOVE PIPE)

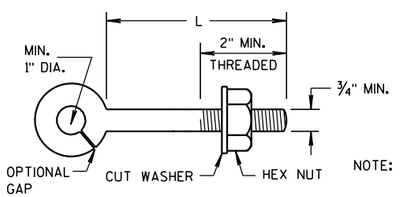


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

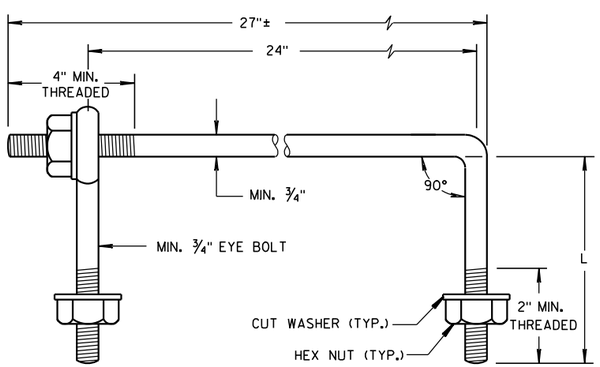
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



NOTE:

EYE BOLT

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



EYE BOLT AND TIE ROD

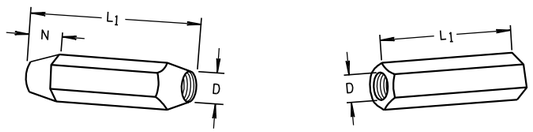
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

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

ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12-60	5/8	5/8	5	1/2
66-84	3/4	3/4	5	1/2
90-108	1	1	7	1 1/16

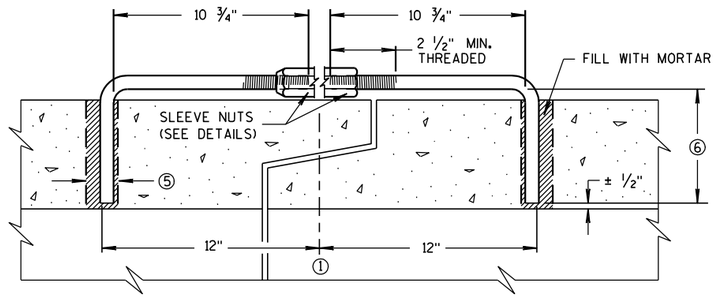
DIMENSIONS SHOWN ARE IN INCHES



TAPERED PLAIN

RIGHT AND LEFT THREADS

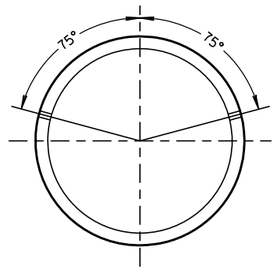
SLEEVE NUTS



LONGITUDINAL SECTION

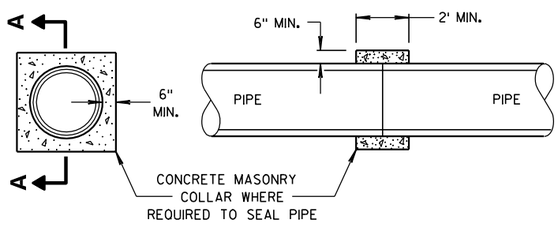
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



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

TRANSVERSE SECTION



SECTION A-A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

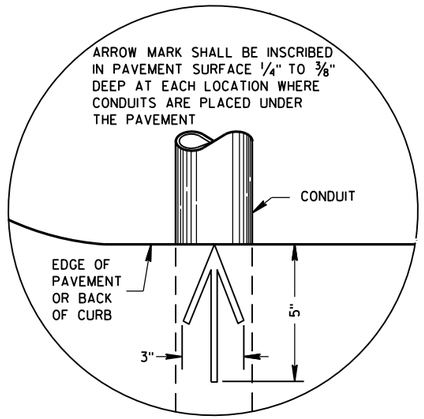
APPROVED
6/5/2012 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
197
FHWA

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S.D.D. 8 F 4-7

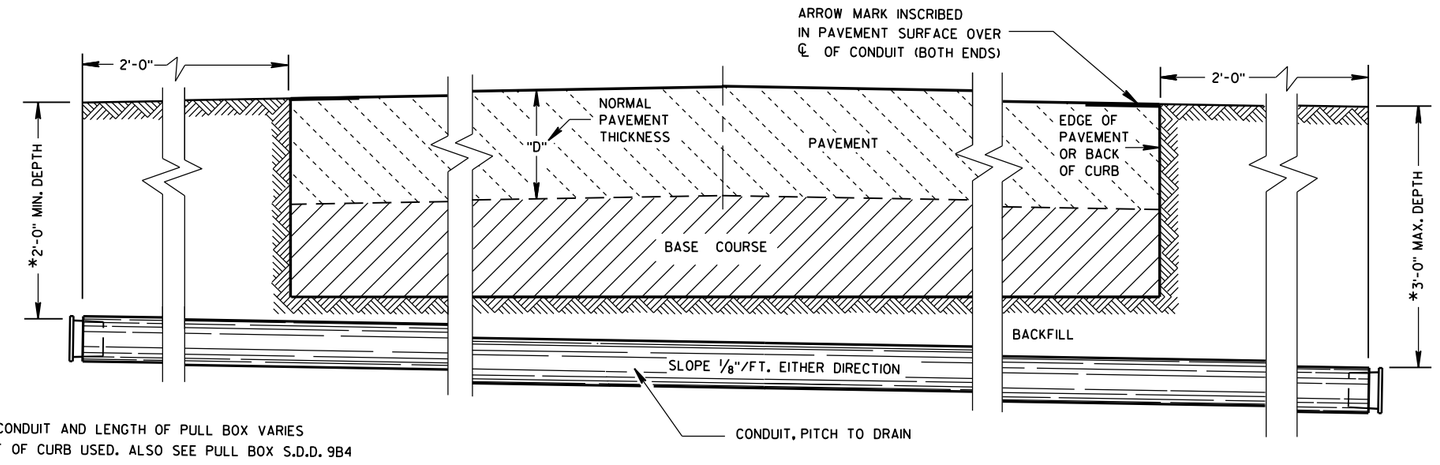
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S.D.D. 8 F 4-7



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		NON-CONDUCTIVE PULL BOX	
BOX DIAMETER ** (INSIDE)	A	24	24
BOX OVERALL OUTSIDE DIAMETER	B	27	27
BOX LENGTH	C	36	42
FRAME OPENING	D	22 1/2	22 1/2
WEIGHT IN POUNDS *			
COVER		50	50
BOX ONLY		75	85

* THE ACTUAL WEIGHT OF THE COVER OR BOX ONLY MAY VARY NOT TO EXCEED 100 LBS INDIVIDUALLY.

** DIAMETER VARIES FROM TOP TO BOTTOM WITH THE DIAMETER LARGER AT THE BOTTOM TO PREVENT FROST HEAVE

GENERAL NOTES

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

ALL BOXES, FRAMES AND COVERS SHALL BE SUITABLE FOR TIER 15 LOADING AS SPECIFIED IN ANSI/SCTE 77.

PROVIDE AN OPENING FOR TOOL ASSISTED COVER REMOVAL NOT LARGE ENOUGH TO PERMIT PASSAGE OF A SPHERE MORE THAN 1/2" DIAMETER

ENSURE COVER SURFACE IS SKID RESISTANT WITH A COEFFICIENT OF FRICTION OF AT LEAST 0.5 AND VERTICAL SURFACE DICONTINUITIES LESS THAN 1/4".

COVER SHALL BE MAGNETICALLY LOCATABLE.

BOXES AND EXTENSIONS ARE TRIMMABLE FOR CUSTOM LENGTHS. TRIMMED PIECES SHALL MAINTAIN A UNIFORM LENGTH.

ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

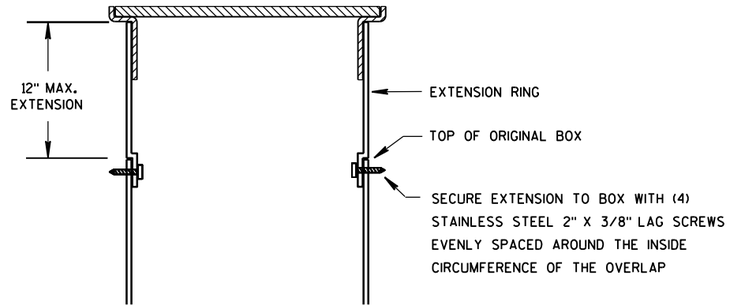
THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

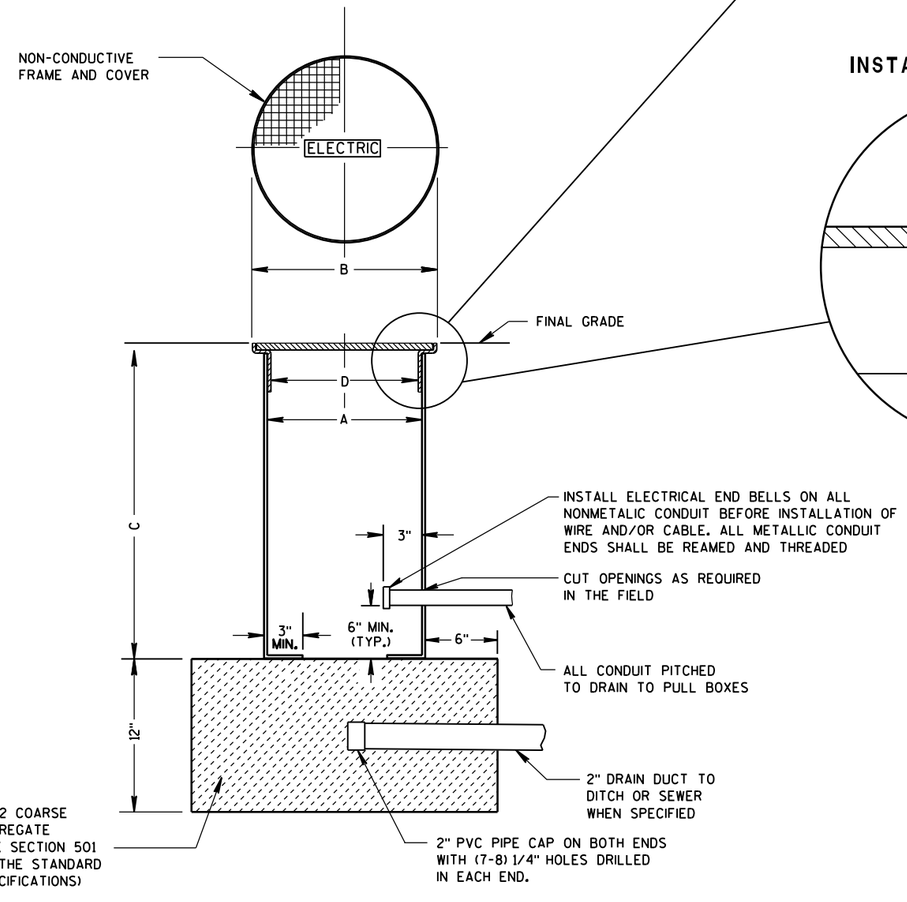
ENTIRE BOX MUST BE CONSTRUCTED OF NON-CONDUCTIVE MATERIALS WITH THE EXCEPTION OF STAINLESS STEEL FASTENERS AND MAGNETIC LOCATABLE DEVICE.

WHEN A PULL BOX IS INSTALLED IN CRUSHED AGGREGATE SHOULDERS, PLACE IT 2-3 INCHES BELOW GRADE AND COVER IT WITH 2-3 INCHES OF CRUSHED AGGREGATE

LABEL ON COVER SHALL READ "ELECTRIC" FOR SIGNAL AND LIGHTING SYSTEMS, "WISDOT ITS" FOR COMMUNICATIONS AND ITS EQUIPMENT SYSTEMS.

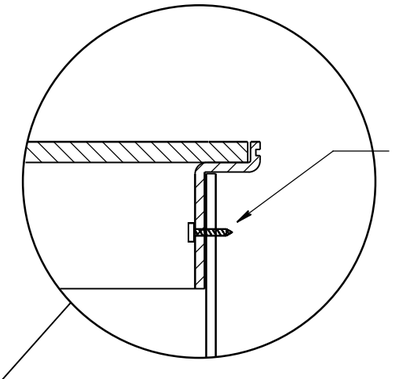


BOX EXTENSION

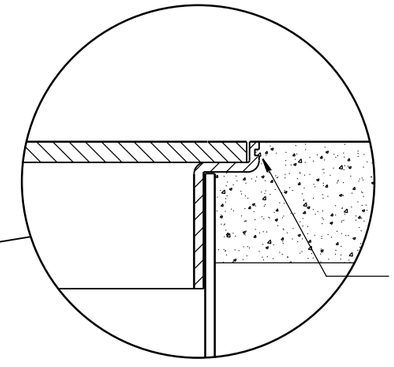


NON-CONDUCTIVE PULL BOX

INSTALLED IN SOD OR CRUSHED AGGREGATE



INSTALLED IN SIDEWALK



PULL BOX NON-CONDUCTIVE

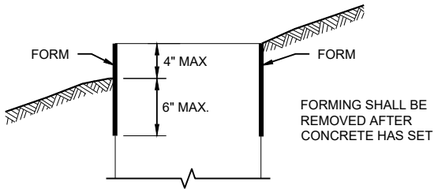
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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S.D.D. 9 B 16-1

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.

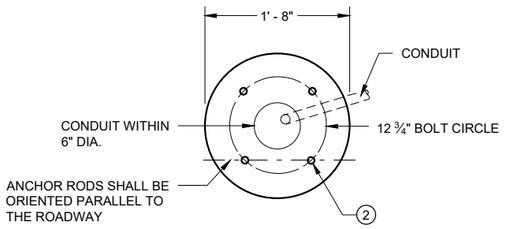
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

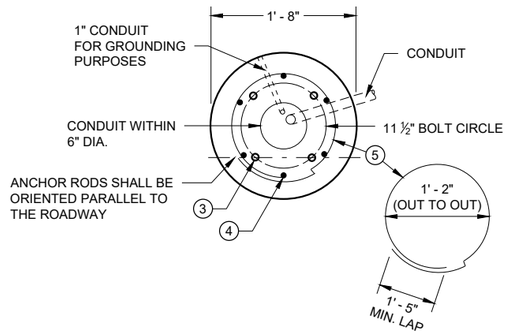
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

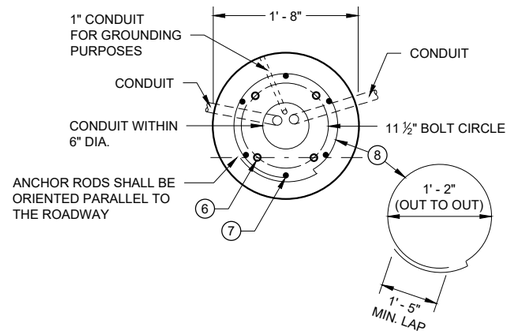
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

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

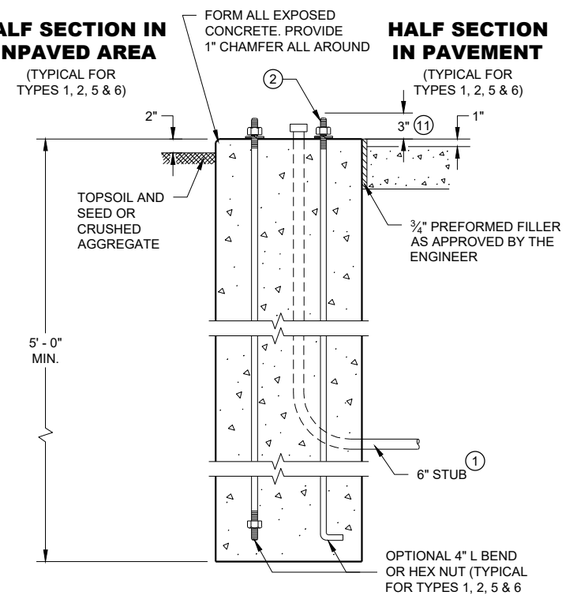
(10) ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

(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.

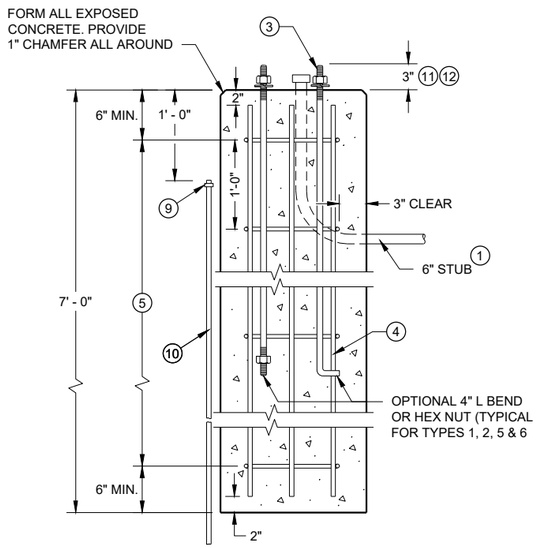
(12) FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

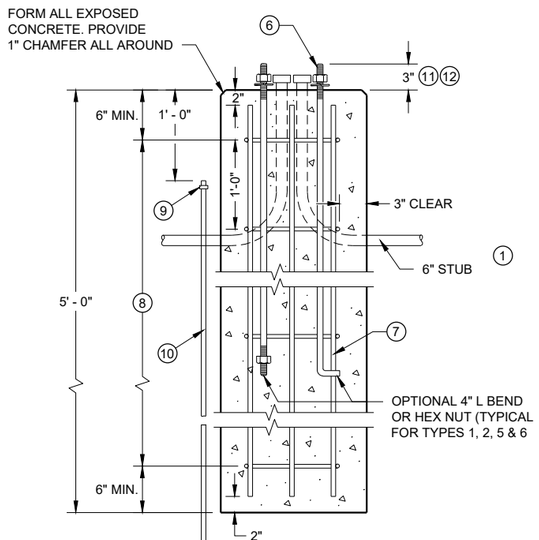
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



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
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GENERAL NOTES

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

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.

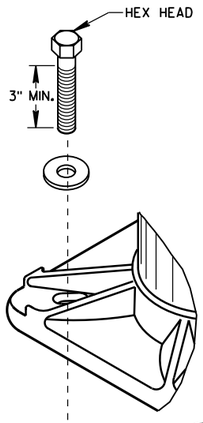
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

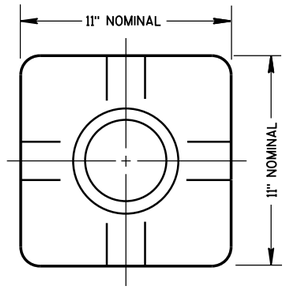
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

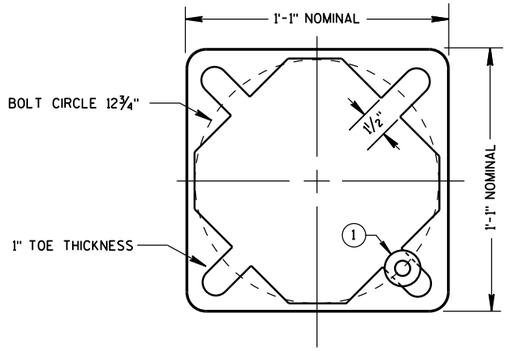
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

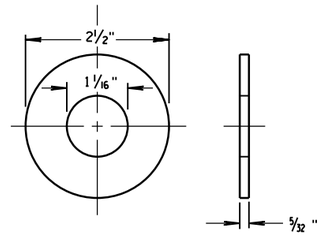




TOP VIEW
(PEDESTAL BASE)

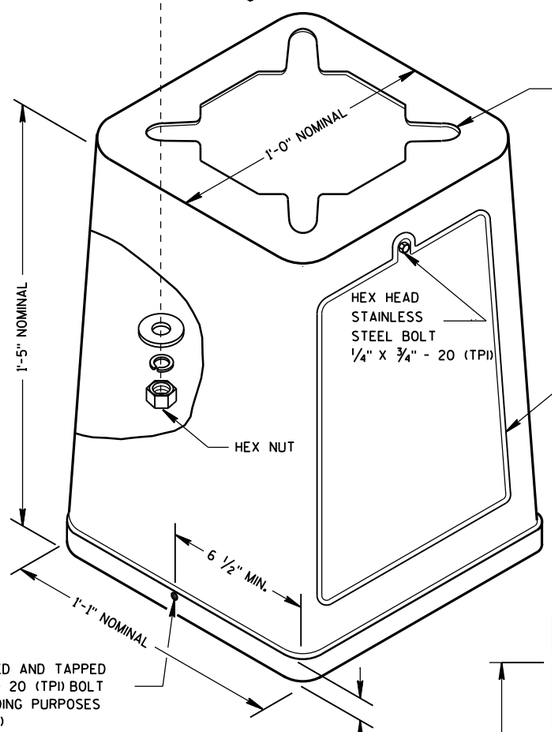


BOTTOM VIEW
(PEDESTAL BASE)

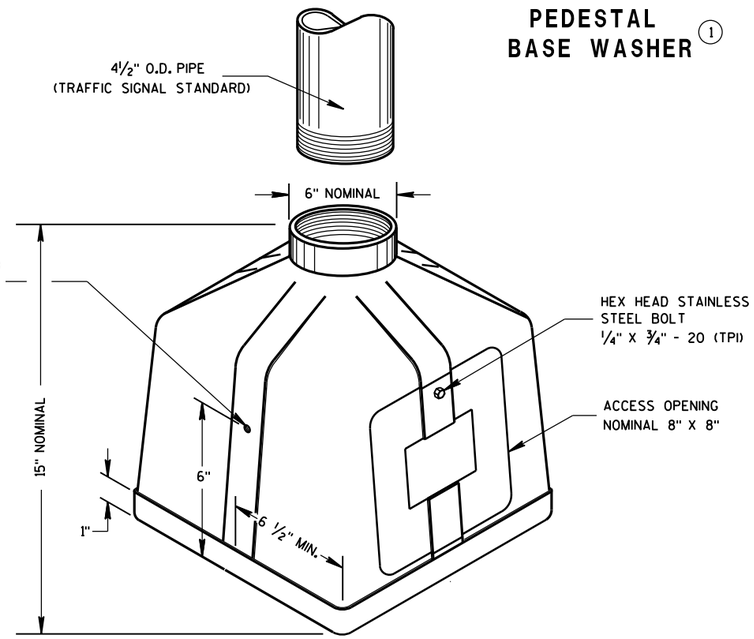


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)

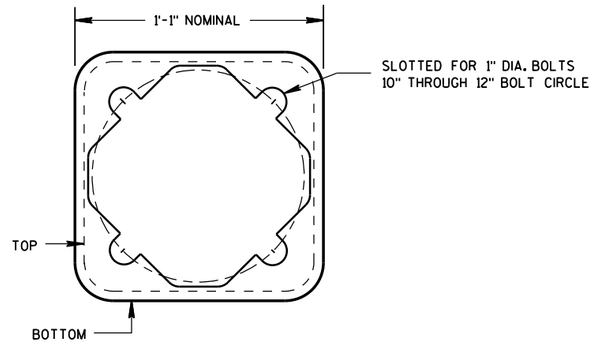


ISOMETRIC VIEW

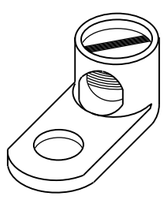


ISOMETRIC VIEW

PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

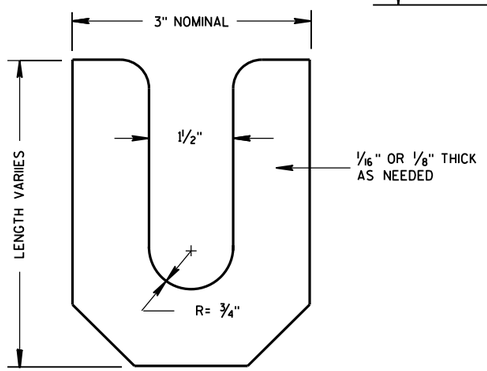


TYPICAL MECHANICAL CONNECTOR LUG

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
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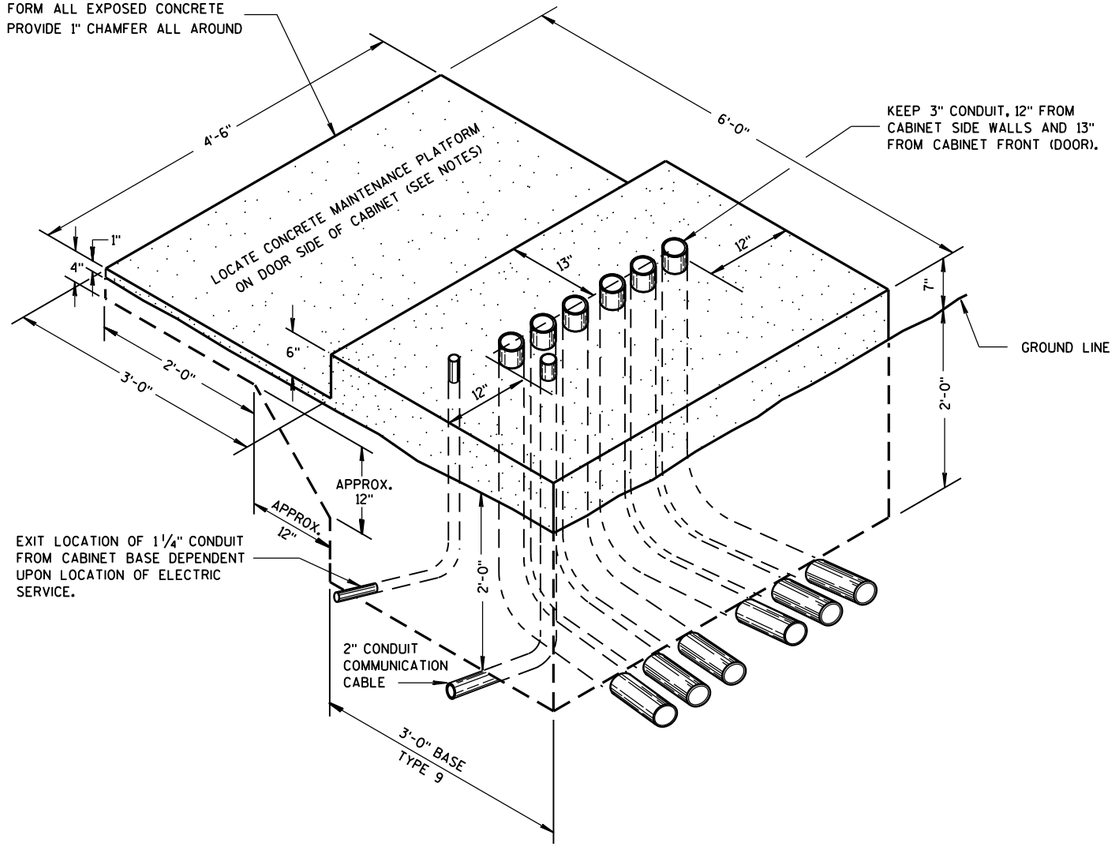
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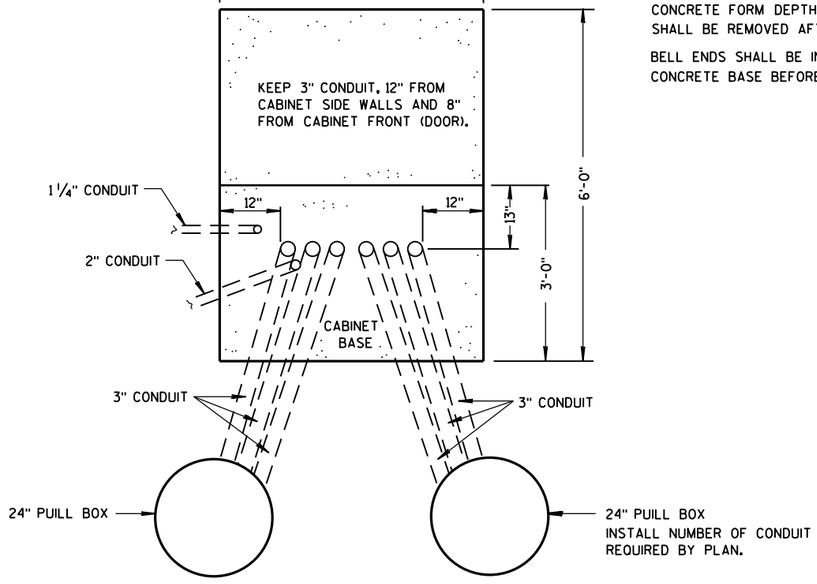
S.D.D. 9 C 3-4



ISOMETRIC VIEW

TYPE 9, SPECIAL

(C.Y. CONCRETE = APPROX. 1.56)



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL

GENERAL NOTES

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

INSTALL FOUR ½ INCH MINIMUM DIAMETER X 4 INCH MINIMUM LENGTH STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS WITH A PULLOUT STRENGTH OF 9,000 LBS. TO ANCHOR THE CABINET TO TYPE 6, 7, 8, AND 9 BASES. THE ANCHOR STUDS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND BE LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT = 6 X THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NONMETALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONDUIT EXITING THE CONCRETE BASE (SIX THREE INCH) SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

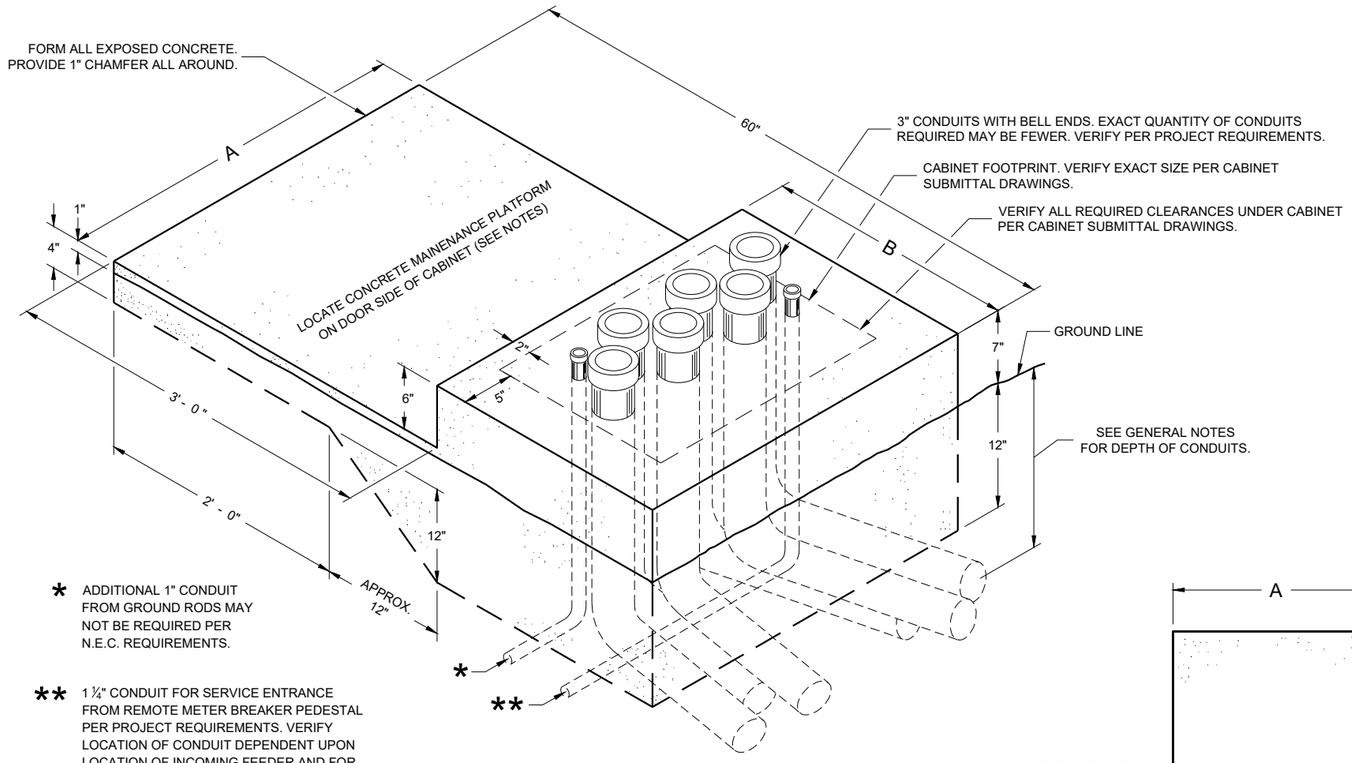
CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6" MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL

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DEPARTMENT OF TRANSPORTATION

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Sept. 2014 — DATE
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* ADDITIONAL 1" CONDUIT FROM GROUND RODS MAY NOT BE REQUIRED PER N.E.C. REQUIREMENTS.

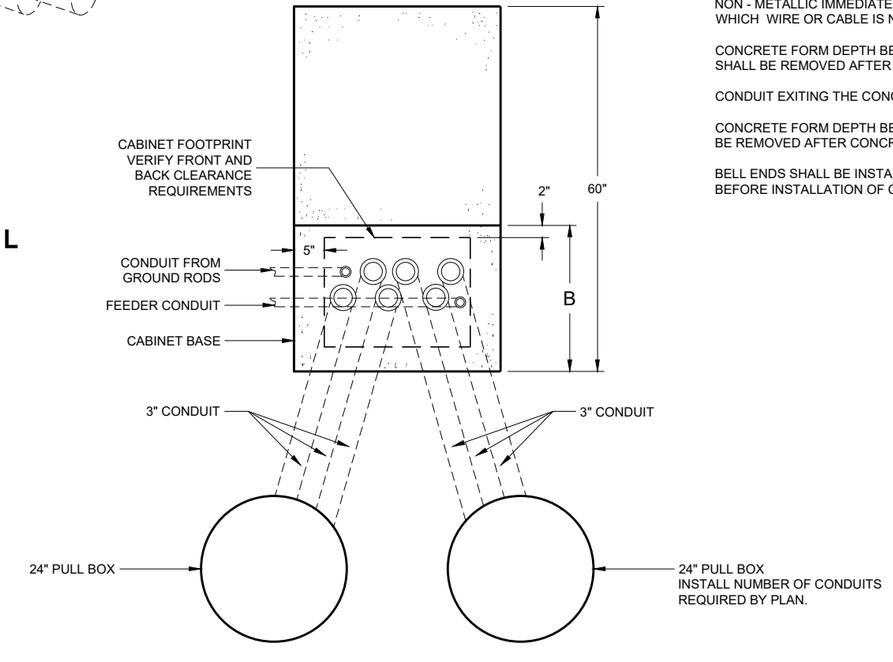
** 1 ¼" CONDUIT FOR SERVICE ENTRANCE FROM REMOTE METER BREAKER PEDESTAL PER PROJECT REQUIREMENTS. VERIFY LOCATION OF CONDUIT DEPENDENT UPON LOCATION OF INCOMING FEEDER AND FOR EASE OF CONNECTION TO LOAD CENTER.

ISOMETRIC VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

(C.Y. CONCRETE = APPROX. 0.4)

CONCRETE BASE TYPE	CABINET WIDTH	DIMENSIONS		MAXIMUM 3" CONDUITS
		A	B	
L24	24"	34"	24"	4
L30	30"	40"	24"	6



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

GENERAL NOTES

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

INSTALL FOUR STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS TO ANCHOR THE CABINET BASES. THE ANCHORS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NON - METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U. L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

LOCATIONS SHALL BE AS SHOWN ON THE PLANS UNLESS DETERMINED BY THE ENGINEER IN THE FIELD.

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT EQUALS 6 TIMES THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NON - METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON - METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCHES MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

CONDUIT EXITING THE CONCRETE BASE SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCH MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE CONTROL CABINET BASE, TYPE L

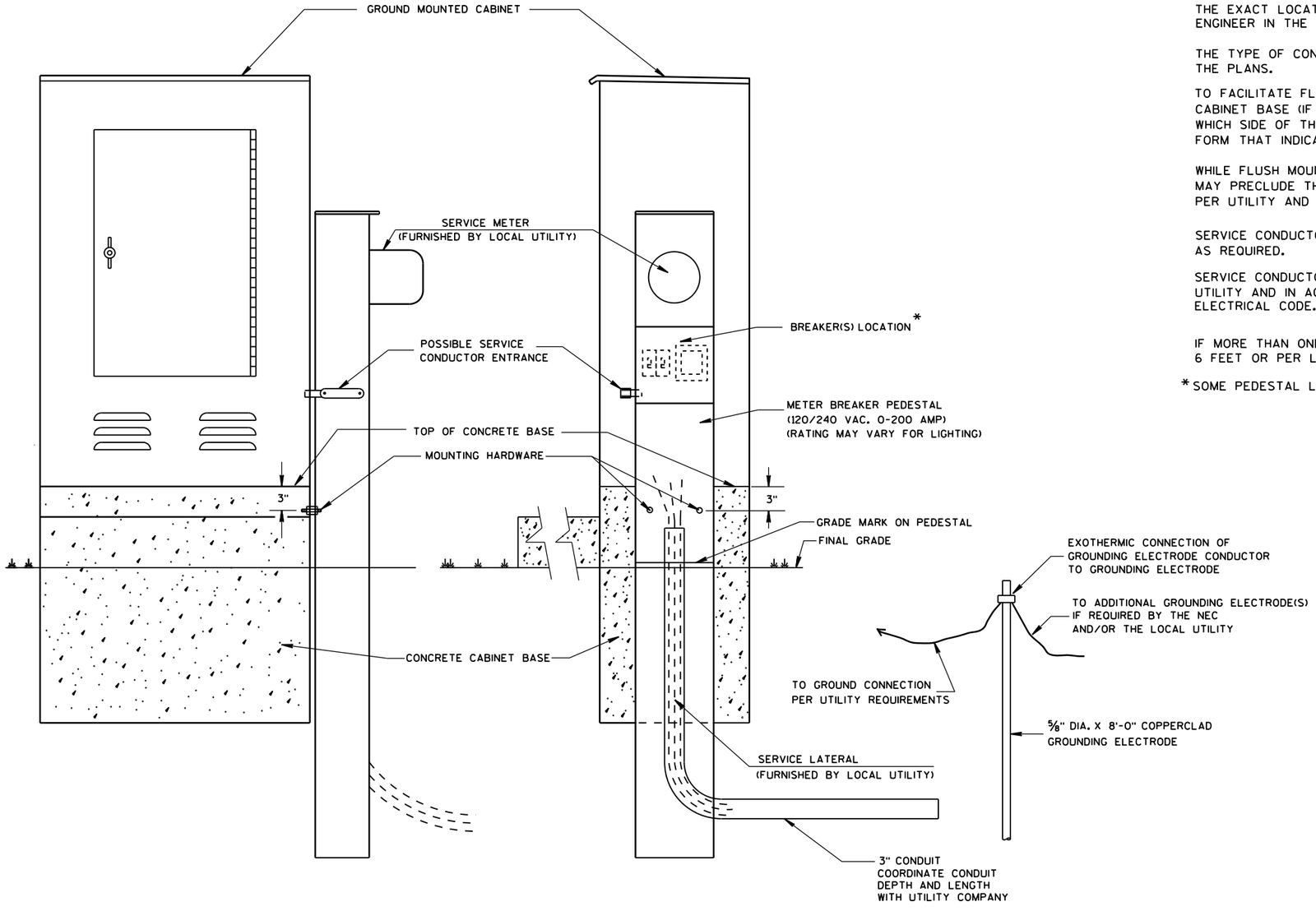
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 203

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SDD 09C14 - 03



TYPICAL CABINET SERVICE INSTALLATION

GENERAL NOTES

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

THE EXACT LOCATION OF THE METER BREAKER PEDESTAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE TYPE OF CONCRETE CABINET BASE TO BE INSTALLED SHALL BE AS CALLED FOR IN THE PLANS.

TO FACILITATE FLUSH MOUNTING OF THE METER BREAKER PEDESTAL AGAINST THE SIDE OF THE CABINET BASE (IF FLUSH MOUNTING POSSIBLE. CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN FORM THAT INDICATED SIDE FOR FULL SIDE DEPTH.

WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENTS MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL PER UTILITY AND MANUFACTURERS REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT, NIPPLES AND/OR CONDULETS AS REQUIRED.

SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

IF MORE THAN ONE GROUNDING ELECTRODE IS REQUIRED, THE DISTANCE APART SHALL BE 6 FEET OR PER LOCAL UTILITY REGULATIONS.

*SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.

6

S.D.D. 9 D 1-5

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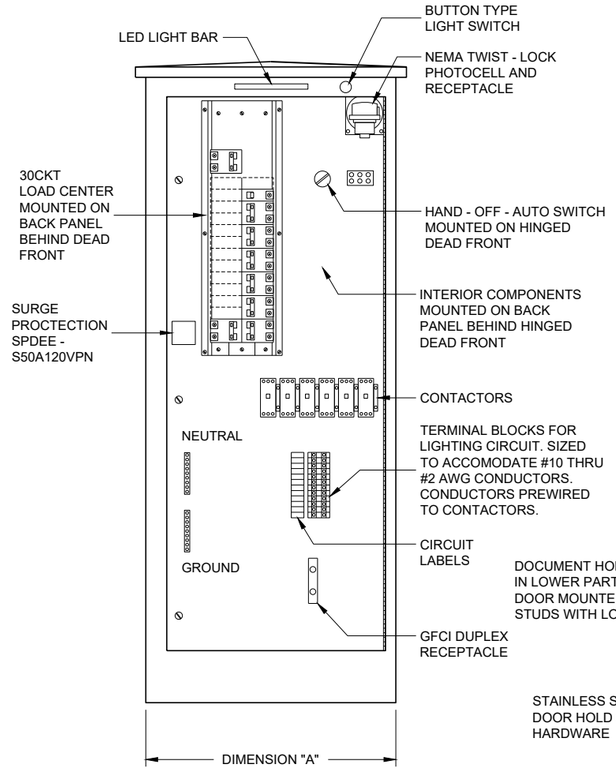
S.D.D. 9 D 1-5

CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

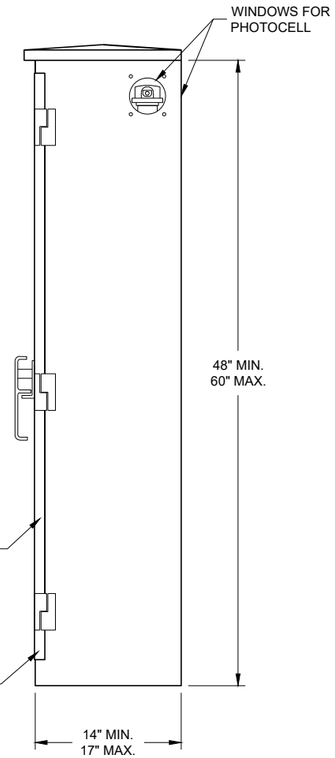
STATE OF WISCONSIN
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Sept. 2014 — DATE
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FRONT INTERIOR ELEVATION



SIDE VIEW



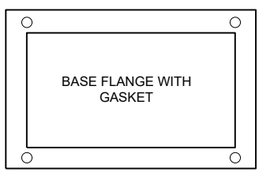
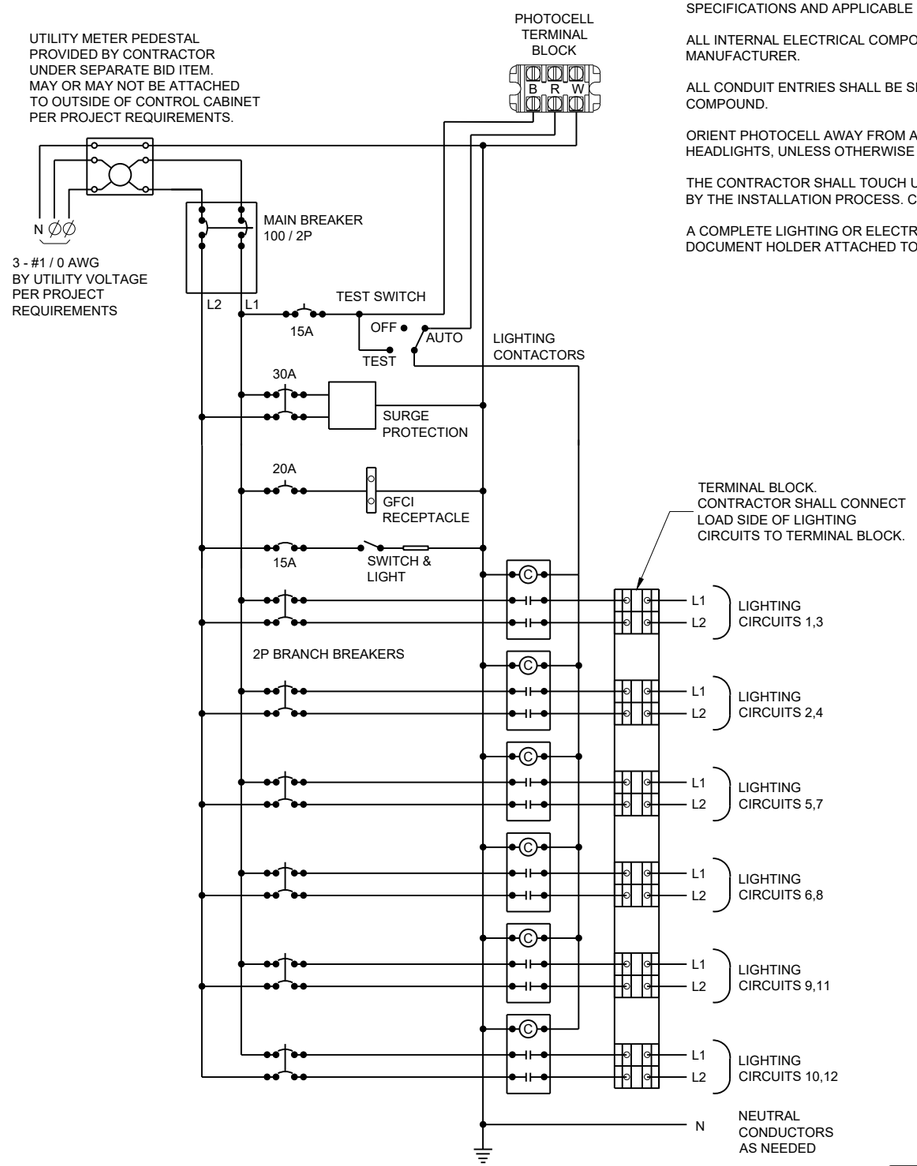


TABLE OF DIMENSIONS (INCHES)		
CONCRETE BASE TYPE	CABINET WIDTH	DIMENSION "A"
L24	24"	24"
L30	30"	30"

LIGHTING CONTROL CABINET



CONTROL CABINET SCHEMATIC

GENERAL NOTES

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

ALL INTERNAL ELECTRICAL COMPONENTS WILL BE PRE - WIRED BY THE CABINENT MANUFACTURER.

ALL CONDUIT ENTRIES SHALL BE SEALED WITH AN APPROPRIATE DUCT SEALING COMPOUND.

ORIENT PHOTOCELL AWAY FROM AMBIENT LIGHT SOURCES AND ONCOMING TRAFFIC HEADLIGHTS, UNLESS OTHERWISE CALLED FOR IN THE SPECIAL PROVISION.

THE CONTRACTOR SHALL TOUCH UP ANY DAMAGE TO THE ANODIZED FINISH CAUSED BY THE INSTALLATION PROCESS. COLOR MATCH PAINT SHALL BE USED.

A COMPLETE LIGHTING OR ELECTRICAL PLAN SHALL BE SECURELY PLACED IN THE DOCUMENT HOLDER ATTACHED TO THE DOOR.

LIGHTING CONTROL CABINET
120 / 240 VOLT

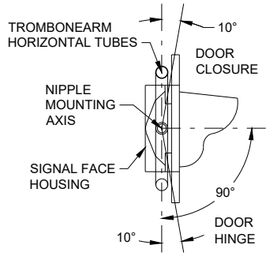
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

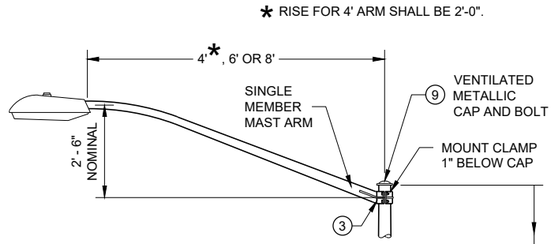
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 205

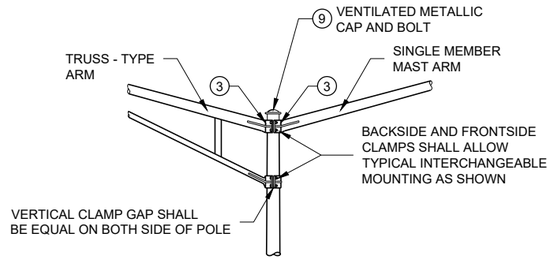
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SDD 09D04 - 03

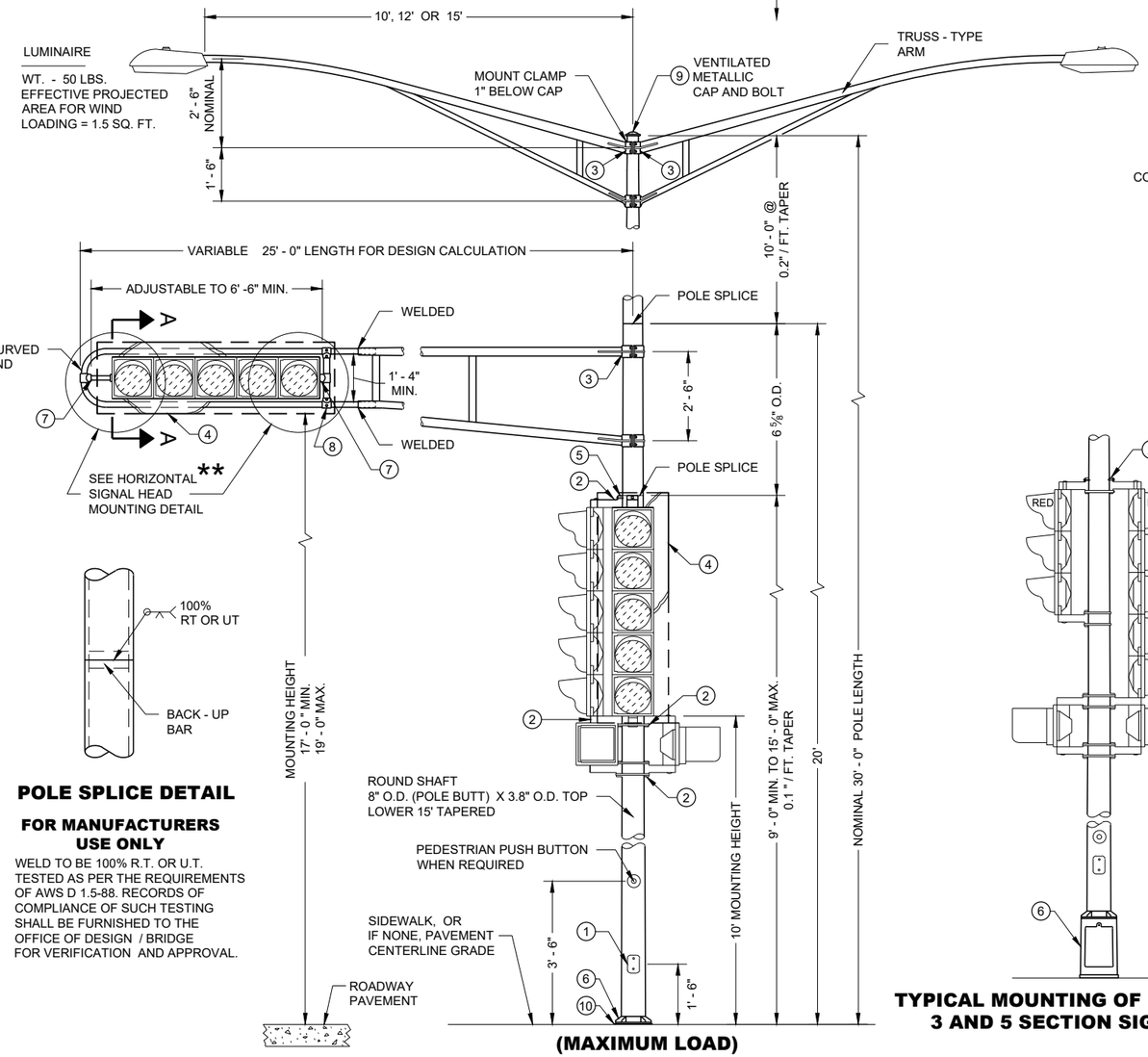


SECTION A-A

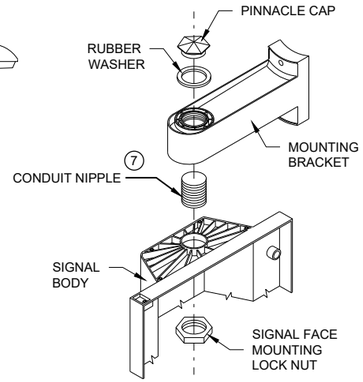




INTERCHANGEABLE MOUNTING DETAIL



(MAXIMUM LOAD)



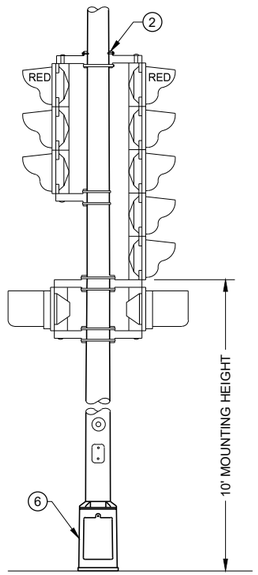
SIGNAL FACE MOUNTING DETAIL

(BANDED)

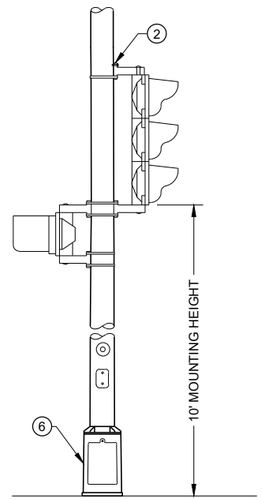
POLE SPLICE DETAIL

FOR MANUFACTURERS USE ONLY

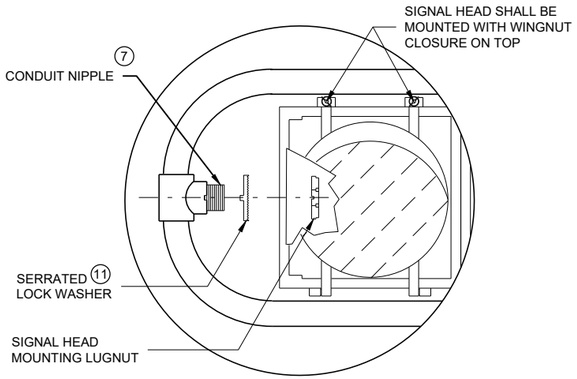
WELD TO BE 100% R.T. OR U.T. TESTED AS PER THE REQUIREMENTS OF AWS D 1.5-88. RECORDS OF COMPLIANCE OF SUCH TESTING SHALL BE FURNISHED TO THE OFFICE OF DESIGN / BRIDGE FOR VERIFICATION AND APPROVAL.



TYPICAL MOUNTING OF BACK TO BACK 3 AND 5 SECTION SIGNAL FACES



TYPICAL MOUNTING OF 3 SECTION SIGNAL FACE



HORIZONTAL SIGNAL HEAD ** MOUNTING DETAIL

** SIGNAL HEAD ATTACHMENT ALSO APPLIES TO MOUNTING AT CROSS BAR

GENERAL NOTES

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

ALL TYPE 3 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL.

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

A PULL WIRE / ROPE SHALL BE INSTALLED IN EACH TROMBONE ARM RACEWAY DURING THE MANUFACTURING PROCESS.

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2 3/8 INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE AND COVER ASSEMBLY WITH TWO (2) ¼" X ¾" - 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.

(2) SIGNAL FACE MOUNTING BRACKETS. MOUNT WITH CAP SCREWS AND BANDING.

(3) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 3/8" HOLE IN POLE SHAFT FOR WIRING.

(4) SECURELY MOUNT DULL BLACK POLYCARBONATE BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURER'S RECOMMENDATIONS.

(5) POLE MOUNTED SIGNAL FACES SHALL REQUIRE ONE OR MORE MOUNTING SPACERS UNDER THE TOP MOUNTING BRACKET(S) AS REQUIRED, TO PLUMB THE SIGNAL FACE.

(6) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED. UNDER MAX LOADING, TYPE 3 POLE SHALL BE MOUNTED DIRECTLY TO ITS CONCRETE BASE.

(7) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACES AND BRACKET ENDS.

(8) VERTICAL STRUT (ADJUSTABLE). ONE (1) SET SCREW (¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD) INTO EACH ARM MEMBER IF STRUT IS THE SLIDING TYPE.

(9) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(10) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

(11) USE SERRATED LOCK WASHERS WITH NOTCHES BETWEEN END TEE AND SIGNAL HEAD.

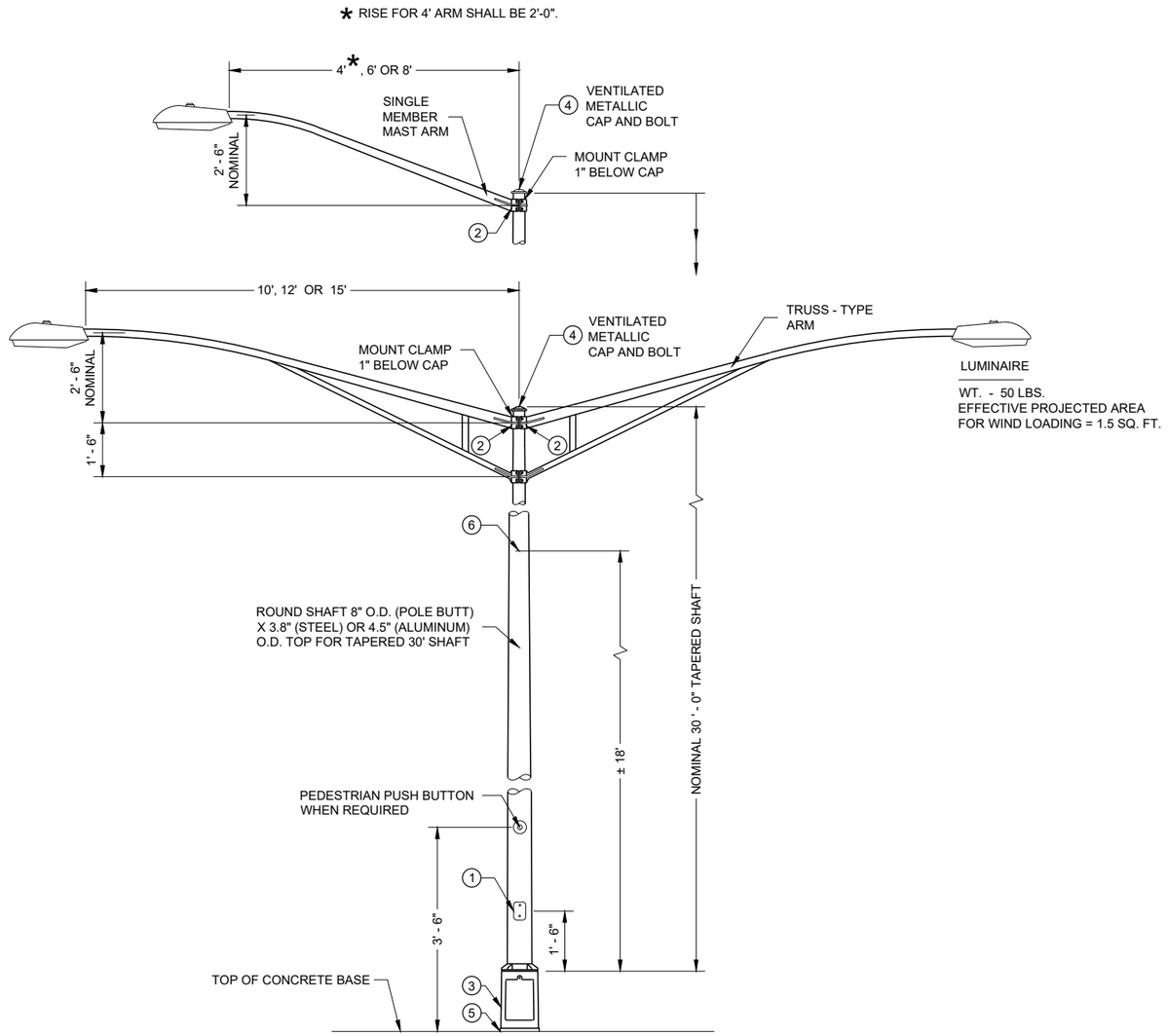
TYPE 3 POLE MOUNTING CONFIGURATION

POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS TYPE 3 (HEAVY DUTY)

STATE OF WISCONSIN
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TYPE 5 POLE MOUNTING CONFIGURATION
(MAXIMUM LOAD)
LIGHTING ONLY

GENERAL NOTES

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

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

ALL TYPE 5 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL OR ALUMINUM, AS CALLED FOR IN THE CONTRACT.

TYPE 5 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063 - T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

TYPE 5 ALUMINUM POLES SHALL HAVE A MINIMUM WALL THICKNESS OF 0.1888".

TYPE 5 STEEL POLES SHALL HAVE A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (0.1196").

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2 ⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE AND COVER ASSEMBLY WITH TWO (2) ¼" X ¾" - 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.

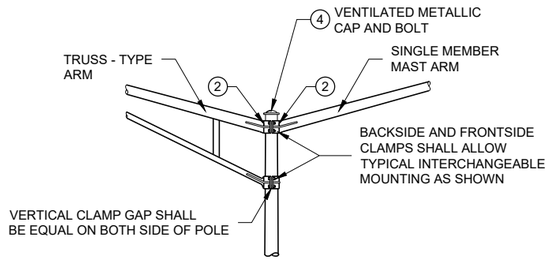
(2) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(3) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

(4) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(5) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

(6) INTERNAL DUMBBELL - TYPE VIBRATION DAMPER.

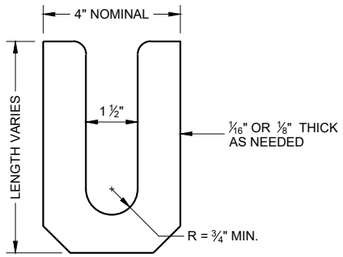


INTERCHANGEABLE MOUNTING DETAIL

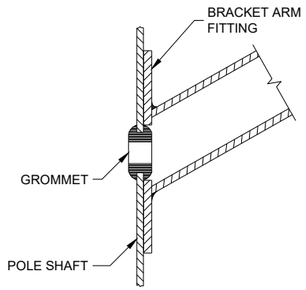
POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)

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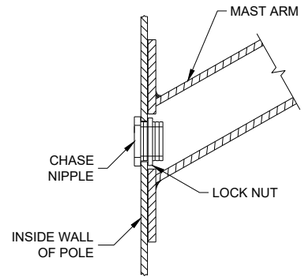
SDD 09E01 - 15d



LEVELING SHIM (1)
SHALL BE ALUMINUM



TYPICAL APPLICATION OF GROMMET IN POLE SHAFT



TYPICAL APPLICATION OF CHASE NIPPLE IN POLE SHAFT

GENERAL NOTES

CLAMP BOLT-NUT TIGHTENING TORQUE SHALL BE INDICATED BY INDENT STAMPING (1/2 INCH NUMERALS AND LETTERS) OR WEATHERPROOF PRINTING ON THE INSIDE OF THE CLAMP THAT IS WELDED TO THE ARM MEMBER.

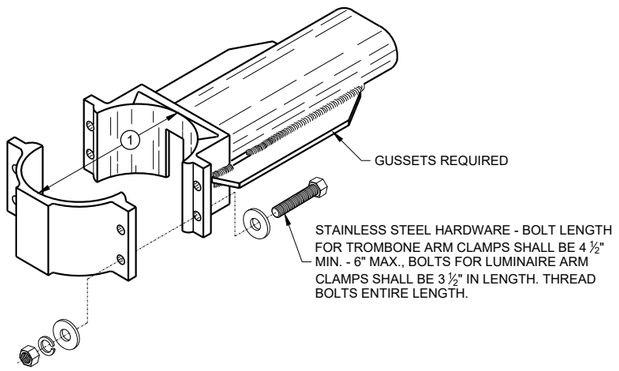
(1) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP. 6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(2) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

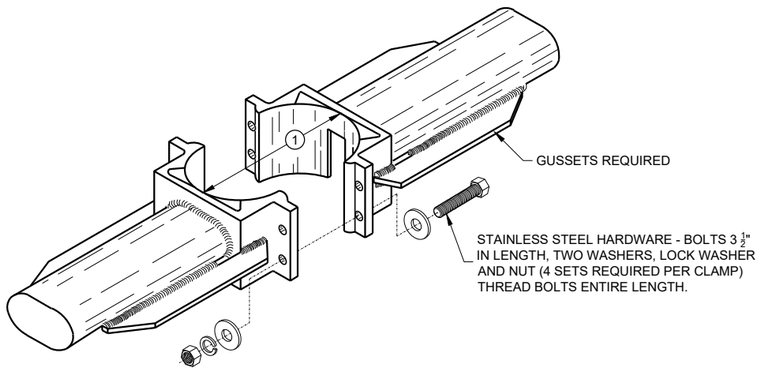
(3) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(4) LEVELING SHIMS, DESIGNED FOR THE PURPOSE, SHALL BE USED WHEN PLUMBING POLES. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE. LEVELING SHIMS SHALL BE USED ONLY BETWEEN THE TOP OF THE CONCRETE BASE AND A METALLIC BASE PLATE.

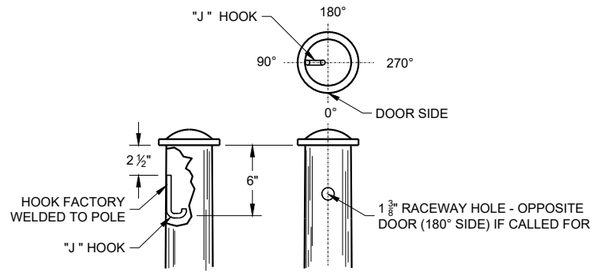
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



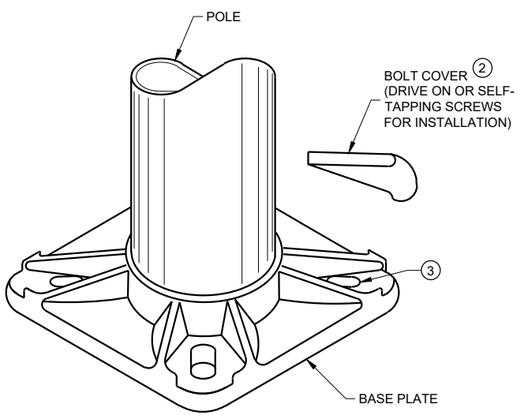
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



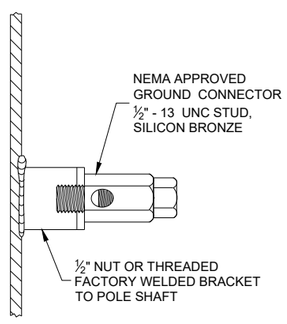
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

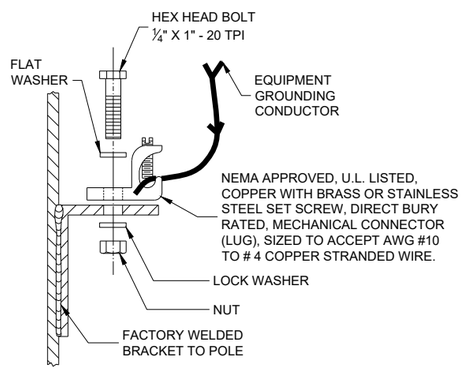


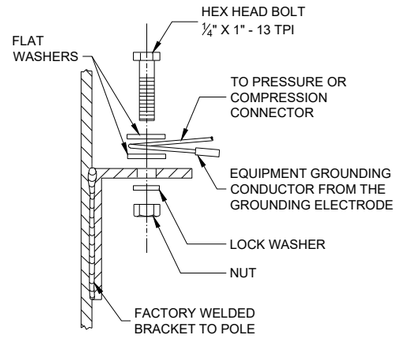
TYPICAL "J" HOOK LOCATION



BASE PLATE







TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

HARDWARE DETAILS FOR POLE MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 208

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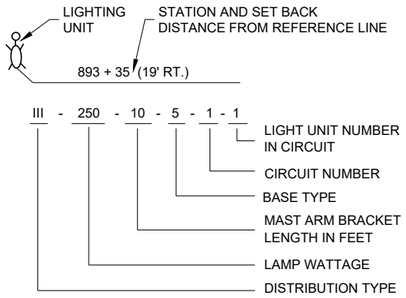
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GENERAL NOTES

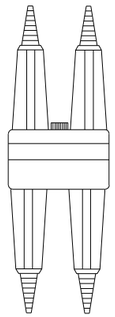
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EQUIPMENT GROUND CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

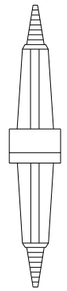
WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.



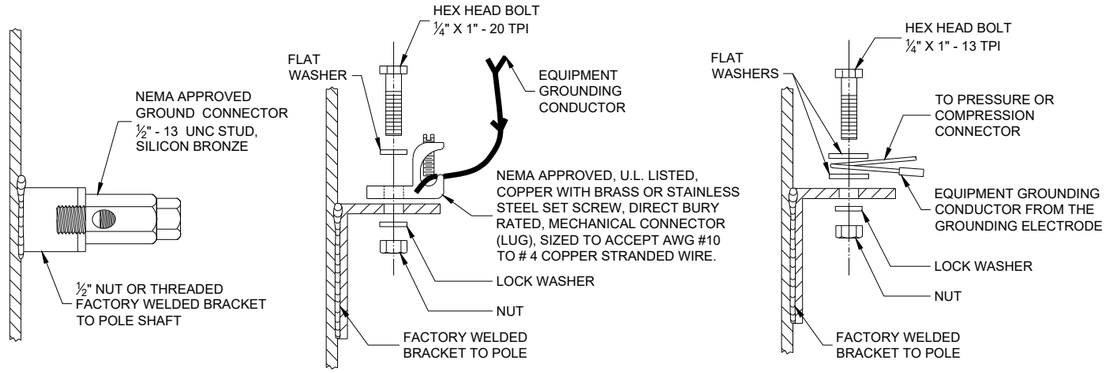
LIGHTING UNIT CODE
(TYPICAL)



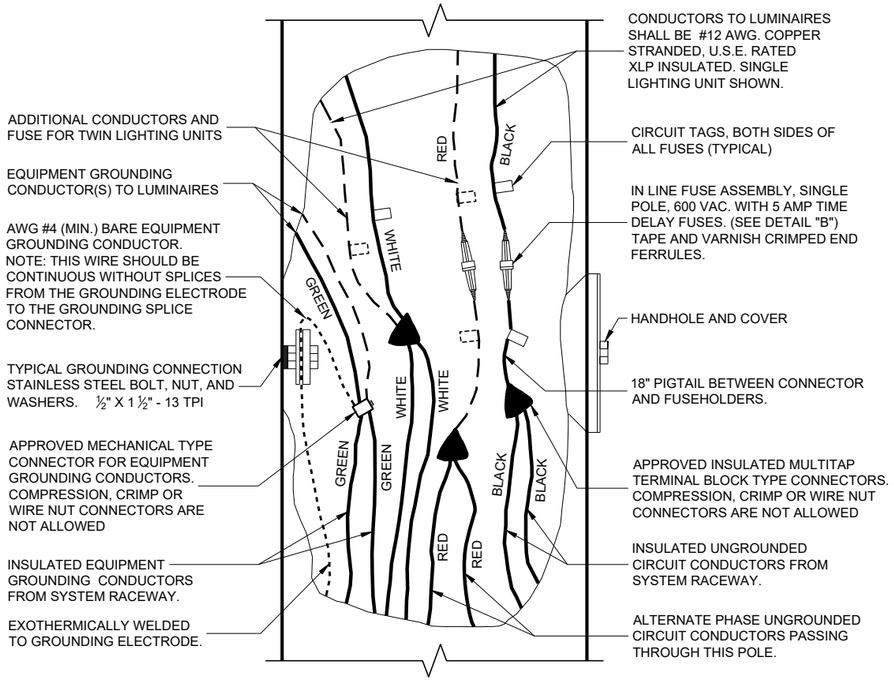
DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT



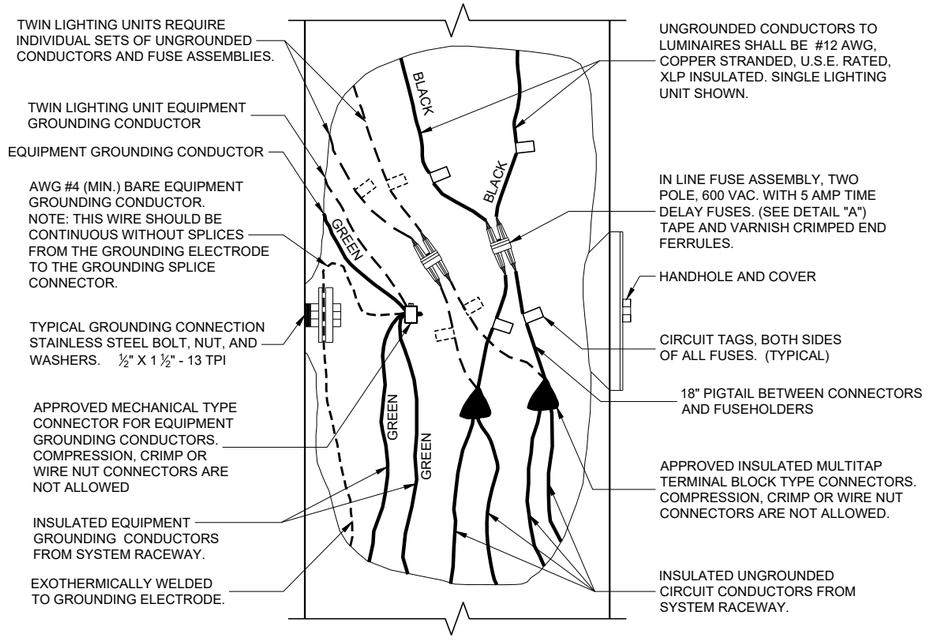
DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT



TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



3 WIRE - 120, 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH GROUNDING CONDUCTOR AND EQUIPMENT GROUNDING CONDUCTOR



2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR

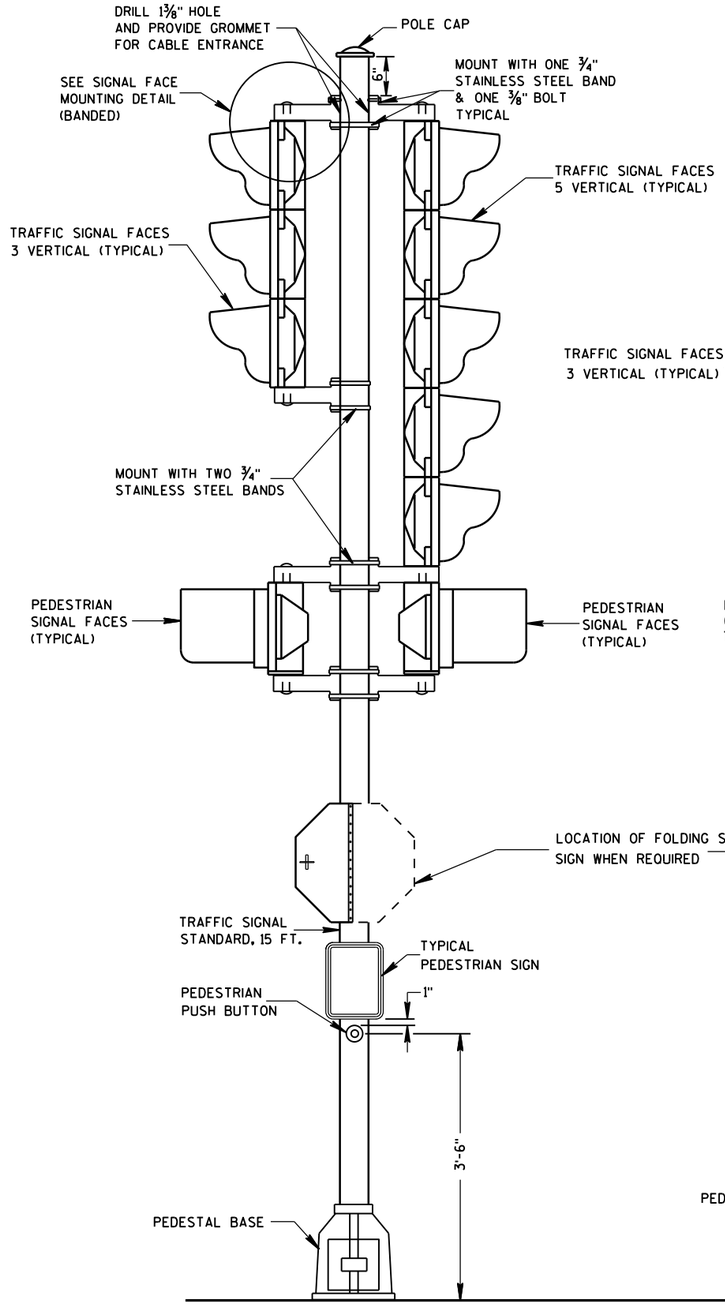
NON - FREEWAY LIGHTING UNIT POLE WIRING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

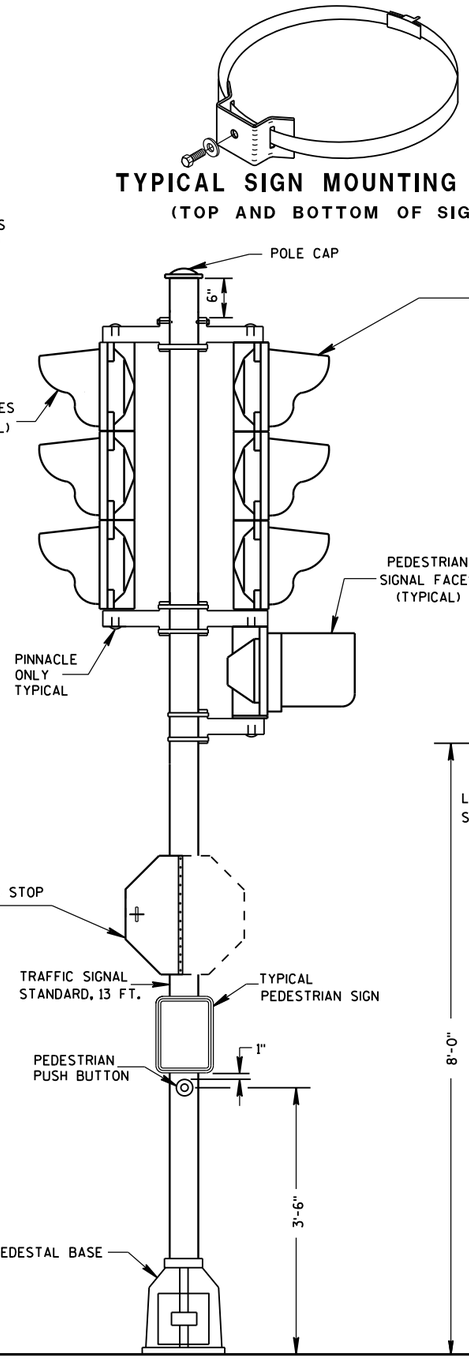
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DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

FHWA

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SDD 09E03 - 06

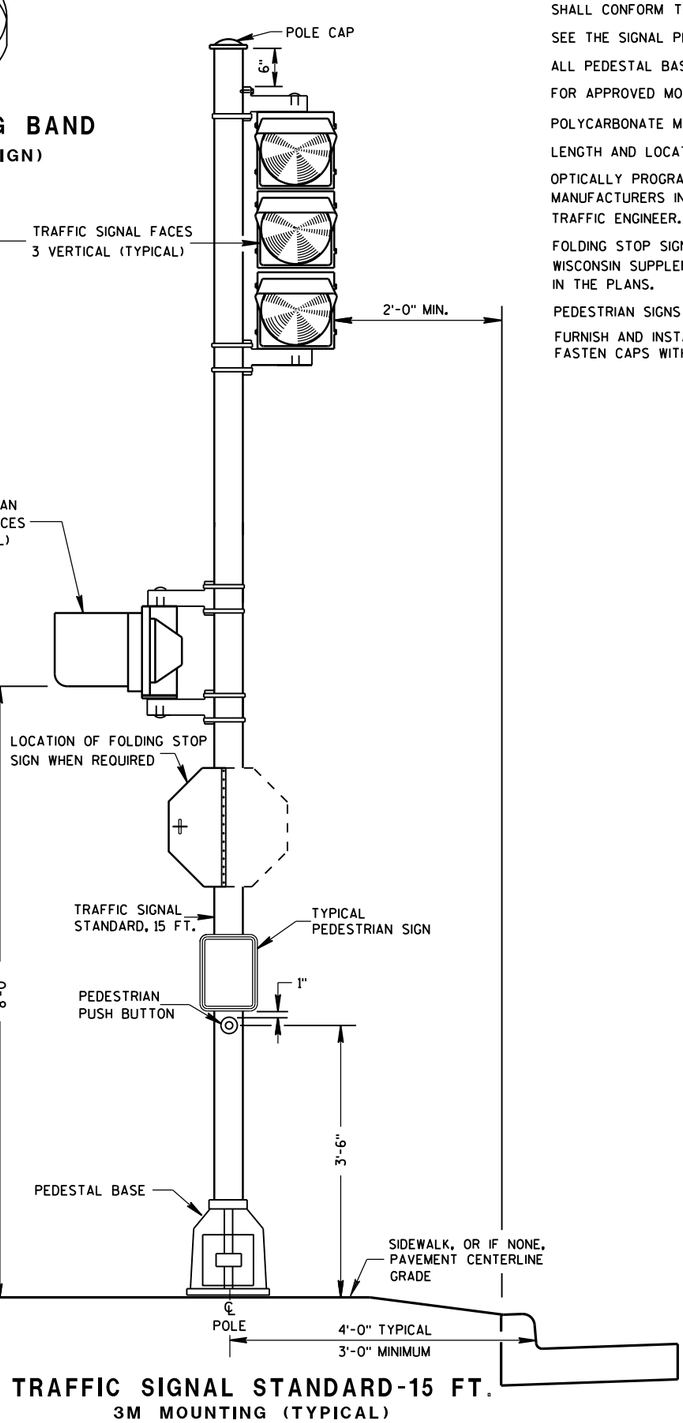


TRAFFIC SIGNAL STANDARD-15 FT.



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.

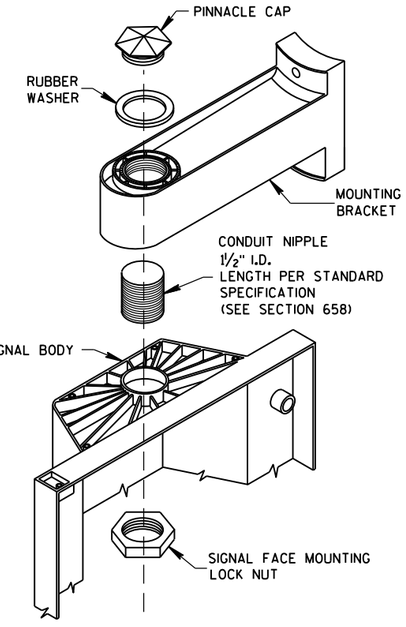
LENGTH AND LOCATION OF TRAFFIC SIGNAL STANDARDS SHALL BE AS SHOWN ON THE PLANS.

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) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.



SIGNAL FACE MOUNTING DETAIL
(BANDED)

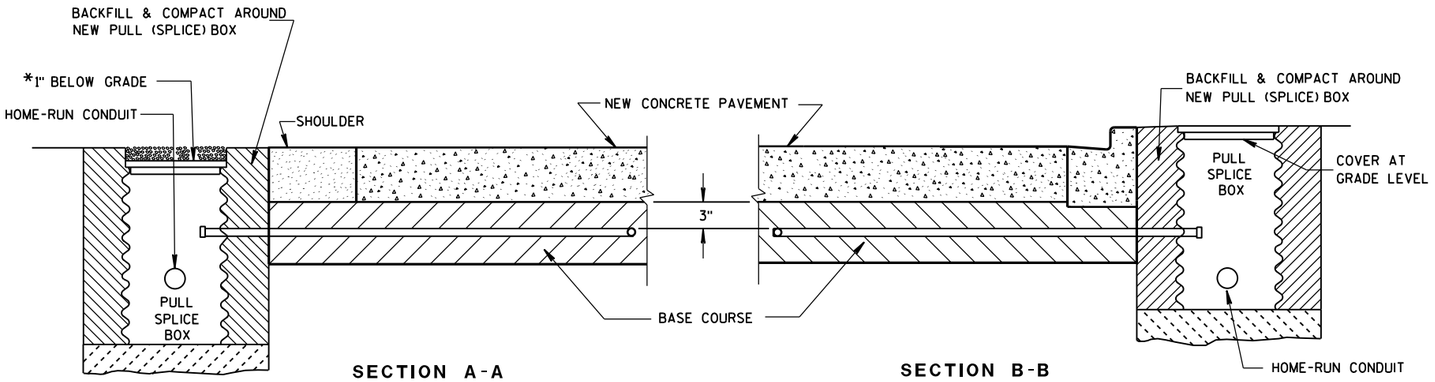
TRAFFIC SIGNAL STANDARD
POLY BRACKET MOUNTINGS
(TYPICAL) 13 FT. OR 15 FT.

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



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.

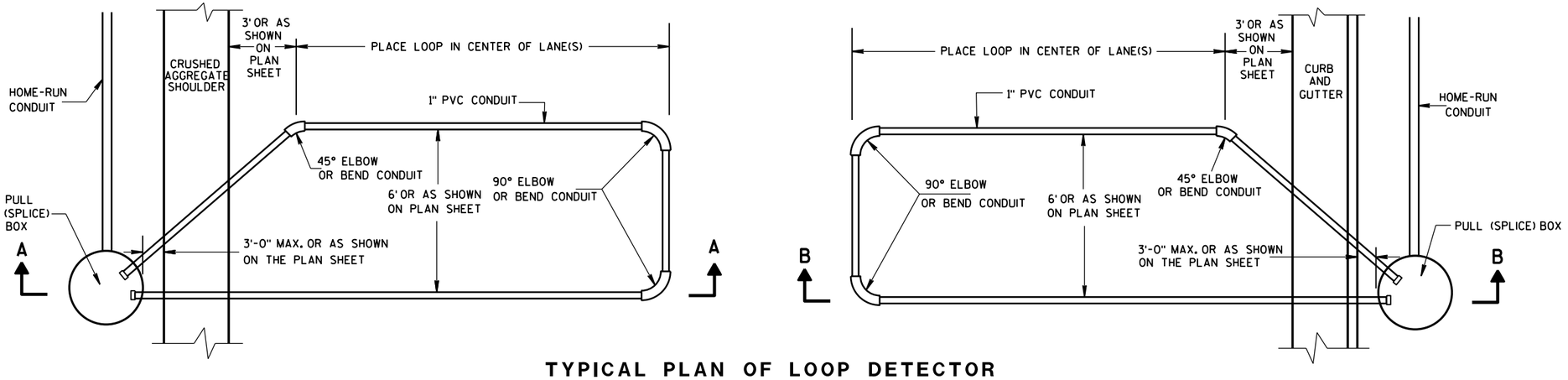
THE #12 AWG. LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

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-SPLICE CONTINUOUS LENGTH.

PROTECTION OF THE CONDUIT IN THE BASE COURSE, SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW PAVEMENT IS INSTALLED.

SHOULD INSTALLATION REPAIR BE REQUIRED, IT SHALL BE DONE UNDER THE DIRECTION OF THE PROJECT ENGINEER.



TYPICAL PLAN OF LOOP DETECTOR WITH 18" OR 24" PULL (SPLICE) BOX

LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

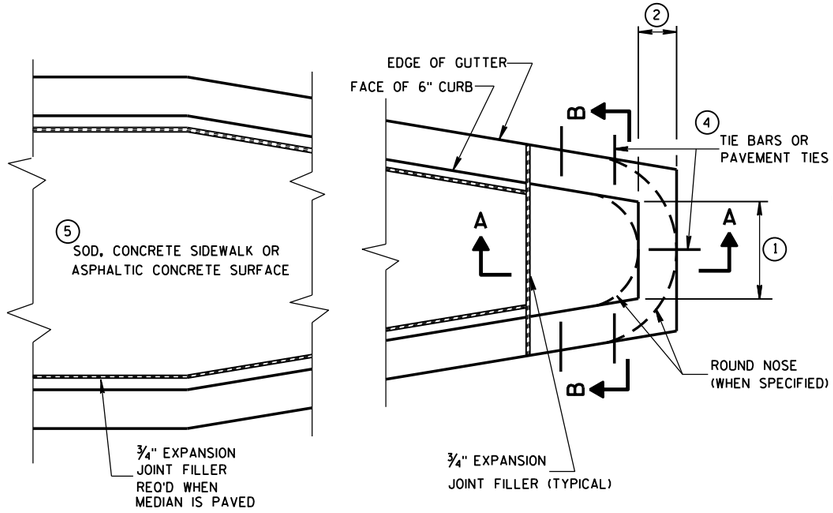
APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

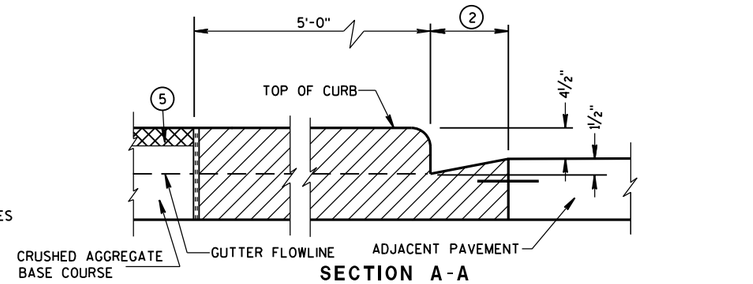
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S.D.D. 9 F 15-4a

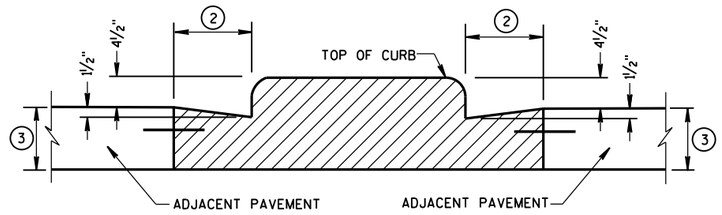
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S.D.D. 9 F 15-4a





SECTION A-A



SECTION B-B

CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

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

(1) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

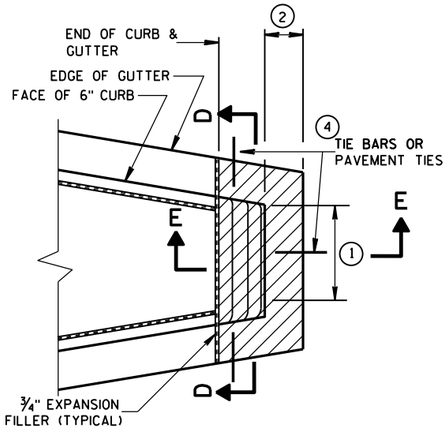
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

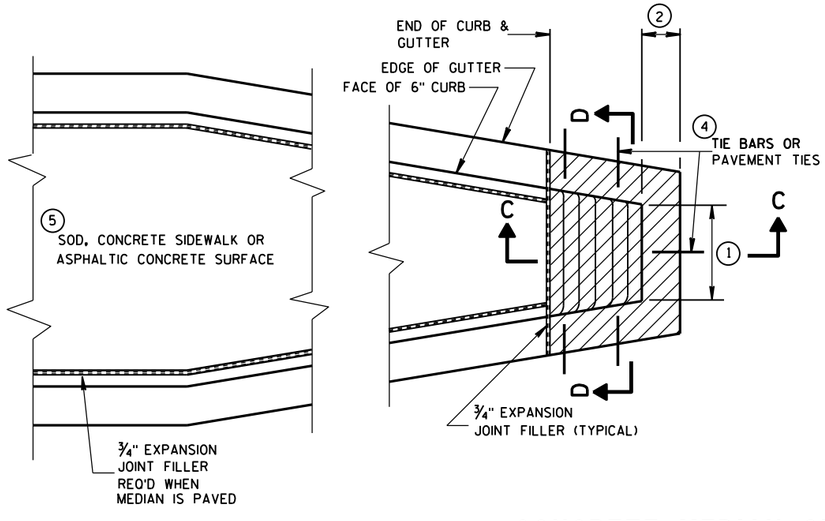
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

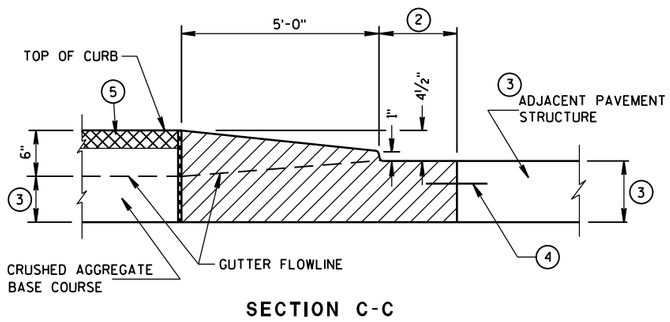
PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

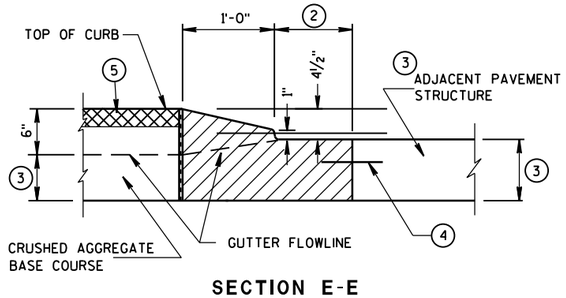




CONCRETE MEDIAN SLOPED NOSE TYPE 1

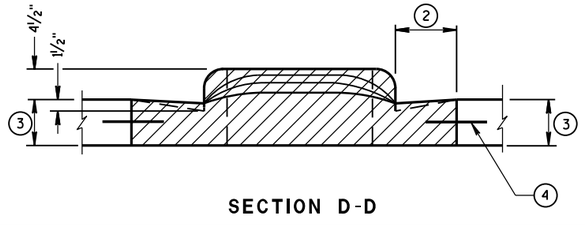


SECTION C-C



SECTION E-E

CONCRETE MEDIAN SLOPED NOSE TYPE 2



SECTION D-D

CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

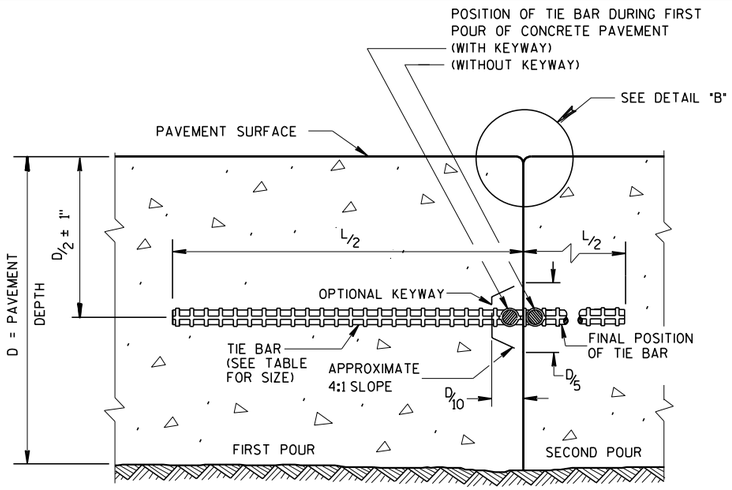
APPROVED
6/8/2006 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

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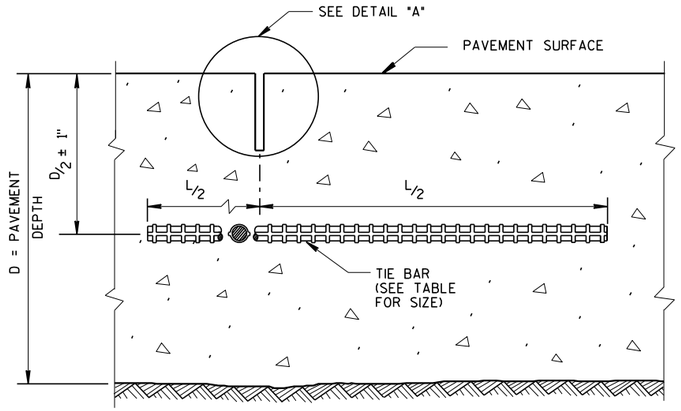
S.D.D. 11 B 2-2

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S.D.D. 11 B 2-2



CONSTRUCTION JOINT



SAWED JOINT

GENERAL NOTES

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

(2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.

PLAN VIEW

SECTION A-A

LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT

DETAIL "A"

DETAIL "B"

DETAIL "C"

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE
/S/ Peter Kemp PE
PAVEMENT SUPE

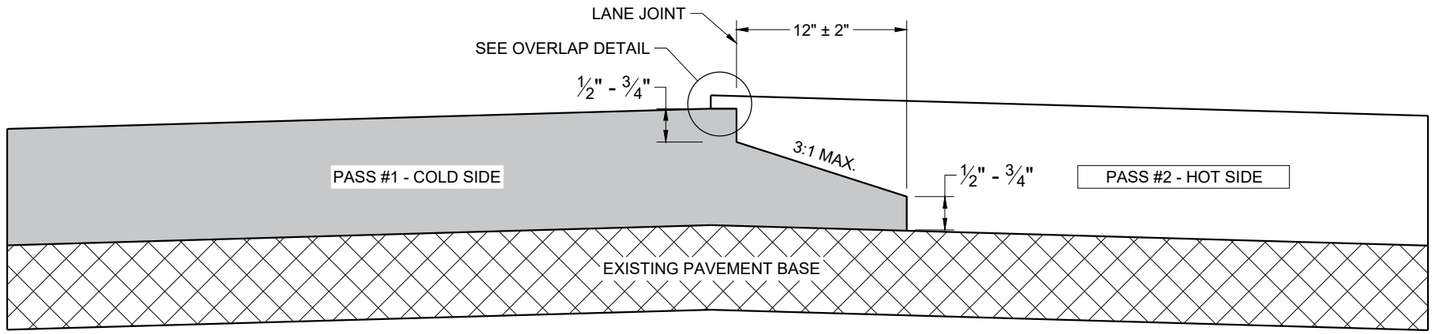
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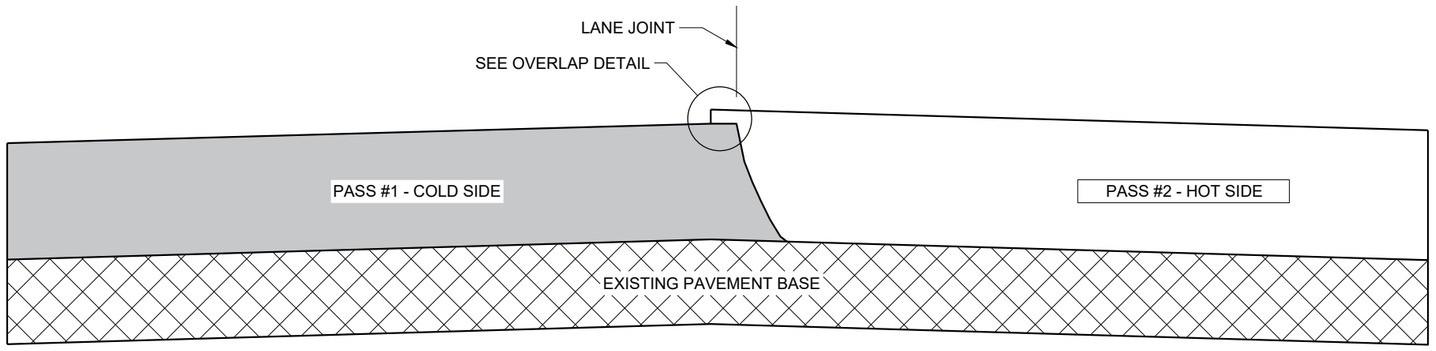
S.D.D. 13 C 1-19

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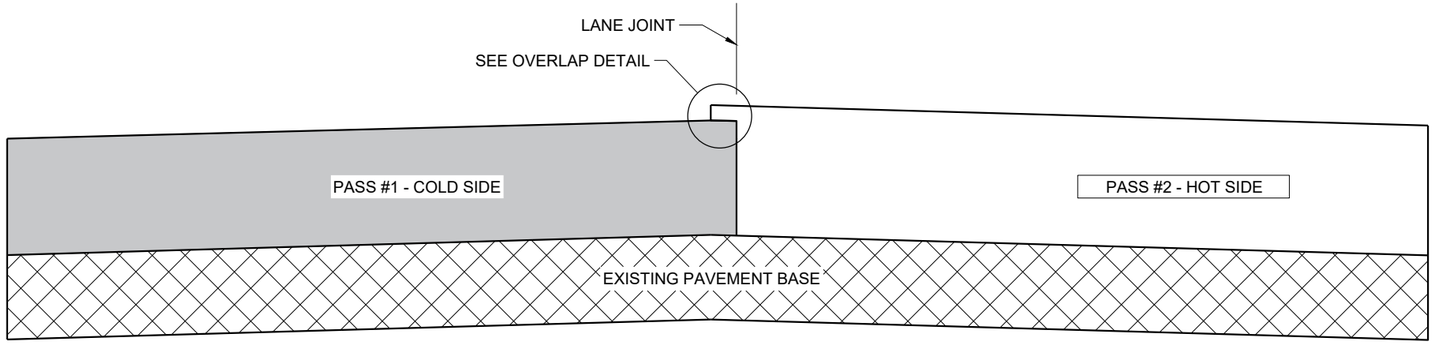
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TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

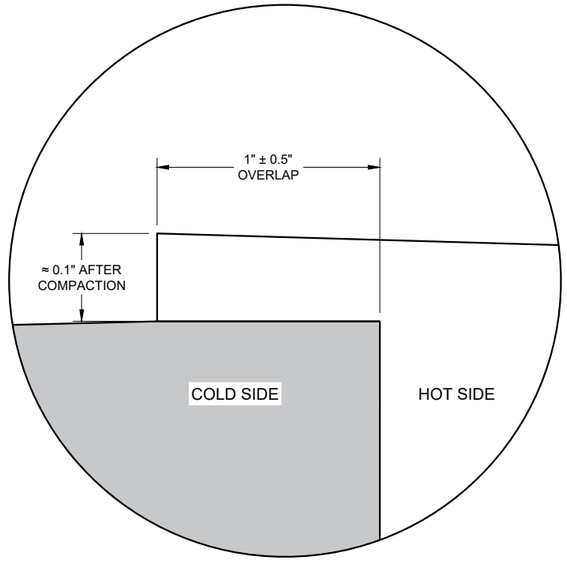
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

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

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

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

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



OVERLAP DETAIL (TYPICAL)

HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2020
DATE

/S/ Steven Hefel
HMA PAVEMENT ENGIN

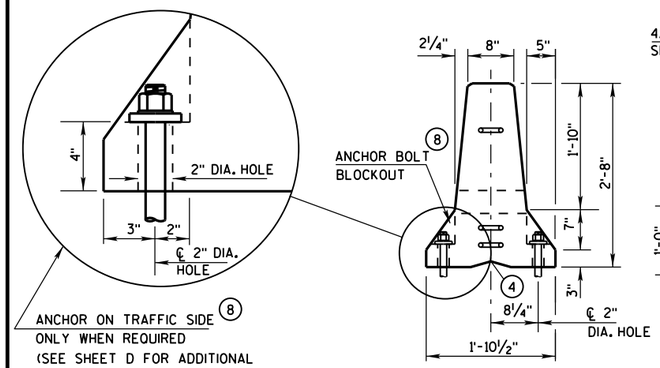
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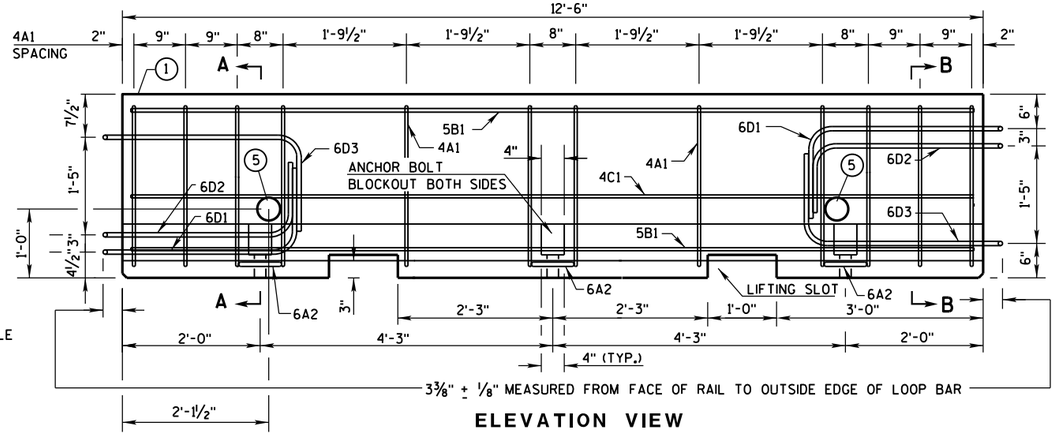
SDD 13C19 - 03

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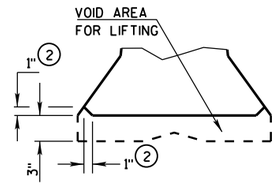
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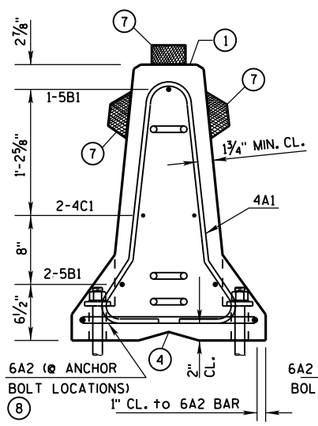
END VIEW



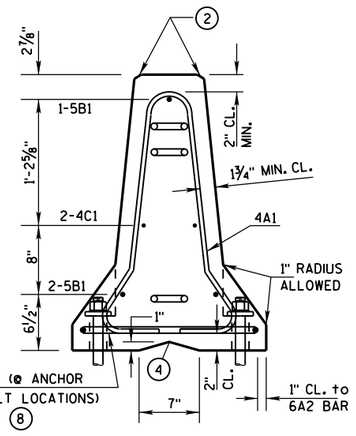
ELEVATION VIEW



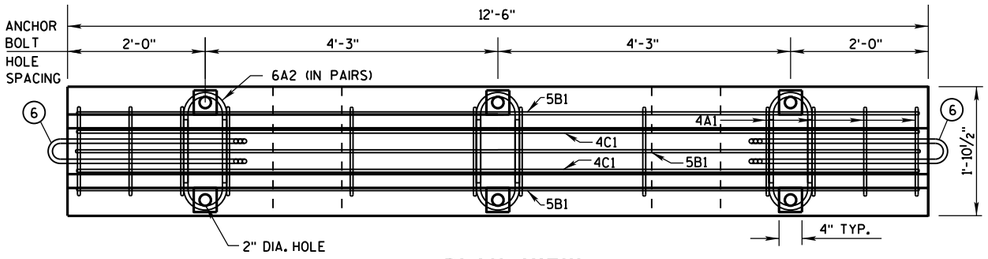
DETAIL "B"
LIFTING SLOT DETAIL



SECTION A-A
(STIRRUP PLACEMENT)

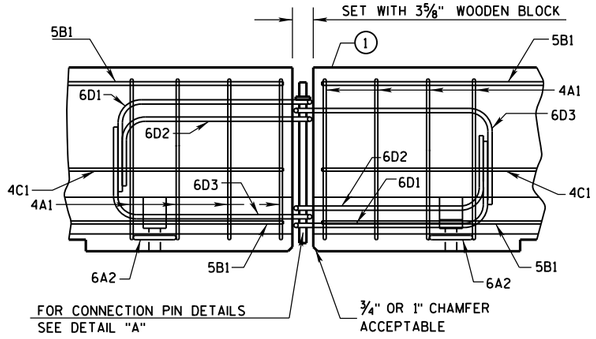


SECTION B-B
(STIRRUP PLACEMENT)

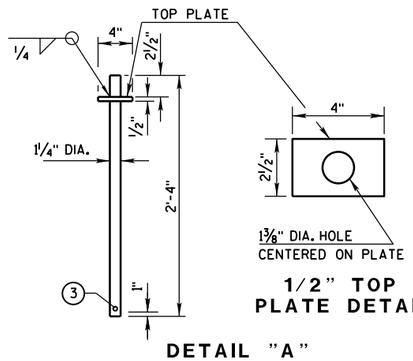


PLAN VIEW

DETAILS OF BARRIER SECTION

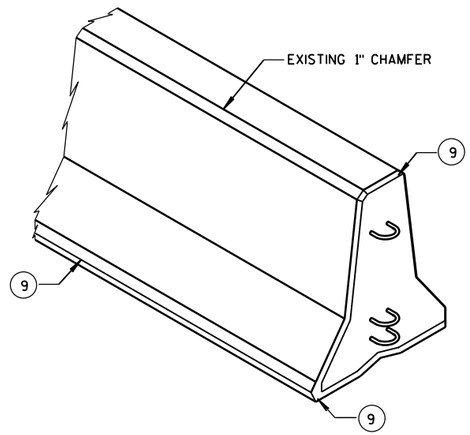


DETAILS OF BARRIER CONNECTION



1/2" TOP
PLATE DETAIL

DETAIL "A"
CONNECTION PIN
(A36 STEEL (10.9 LB EACH))



GENERAL NOTES

THESE GENERAL NOTES APPLY TO SHEETS 14B7-15(a) THRU 14B7-15(i).

DO NOT INTERMIX CONCRETE BARRIER TEMPORARY PRCAST, 12'-6" (CBTP12.5) WITH OTHER TEMPORARY CONCRETE BARRIERS.

USE ASTM A-615, GRADE 60, DEFORMED STEEL BARS FOR BARS 4A1, 6A2, 5B1 AND 4C1 IN THE BARRIER SECTION AND FOR 4V1, 4V2, 4V3, 4V4, 4V5, 4V6, 4F1, 4F2 AND 5F3 IN THE BARRIER TAPER SECTION.

LOOP BARS 6D1, 6D2 AND 6D3 SHALL BE ¾" SMOOTH STEEL BARS WITH A MINIMUM YIELD STRENGTH OF 60 KSI, A TENSILE STRENGTH OF NOT LESS THAN 1.25 TIMES THE YIELD STRENGTH BUT A MINIMUM OF 80 KSI, A MINIMUM 14% ELONGATION IN 8 INCHES AND PASSING A 180 DEGREE BEND TEST USING A 3-½" PIN BEND DIAMETER FOR BEND TESTS. THE LOOPS SHALL BE INSTALLED WITHIN ⅛" OF THE PLAN DIMENSION.

CONSTRUCT LIFTING SLOTS AS SPECIFIED ON THE PLANS TO FACILITATE THE DRAINAGE OF WATER AFTER INSTALLATION.

PLACE BARRIER ON A PAVED SURFACE. REMOVE ALL LOOSE DIRT AND SAND FROM THE ROADWAY SURFACE PRIOR TO PLACEMENT OF THE BARRIER.

INSTALL MECHANICAL OR ADHESIVE ANCHORS PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE MANUFACTURER'S INFORMATION TO PROJECT ENGINEER.

(1) MARK ONE END OF EACH BARRIER PERMANENTLY BY FORMING INTO THE BARRIER THE FOLLOWING INFORMATION:
- a. TYPE: WI CBTP
- b. MANUFACTURER
- c. DATE MANUFACTURED (MONTH AND YEAR)

(2) 1" CHAMFER TO PREVENT SPALLING.

(3) A ⅜" HOLE IN THE CONNECTION PIN, AT THE LOCATION SHOWN, IS ACCEPTABLE, BUT NOT REQUIRED..

(4) "V" NOTCH IS OPTIONAL.

(5) THE 4" DIAMETER, 11 GAUGE STEEL, ROUND MECHANICAL TUBING SLEEVE FOR LIFTING (OPTIONAL).

(6) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

(7) USE DELINEATORS CONFORMING TO SECTION 633 OF THE STANDARD SPECIFICATIONS. CONTRACTOR MAY USE ALTERNATE SHAPES AND HOUSING. INSTALL DELINEATORS ACCORDING TO MANUFACTURES INSTRUCTION. INSTALL YELLOW REFLECTORS WHEN BARRIER IS LOCATED TO THE LEFT OF TRAFFIC AND WHITE REFLECTORS WHEN BARRIER IS LOCATED TO THE RIGHT OF TRAFFIC. SPACE DELINEATORS A MAXIMUM OF 25 FEET APART. PROVIDE TOP MOUNTED DELINEATORS IN ADDITION TO THE SIDE MOUNTED DELINEATORS ON ALL BARRIER INSTALLATIONS LOCATED ON A CURVED ALIGNMENT LONGER THAN 200 FEET AND ON BARRIERS USED TO SEPARATE OPPOSING TRAFFIC.

(8) SEE SHEET D FOR HOW TO ANCHOR BARRIER. SEE SHEET E FOR WHEN TO ANCHOR BARRIER.

(9) 1" CHAMFER OPTIONAL.

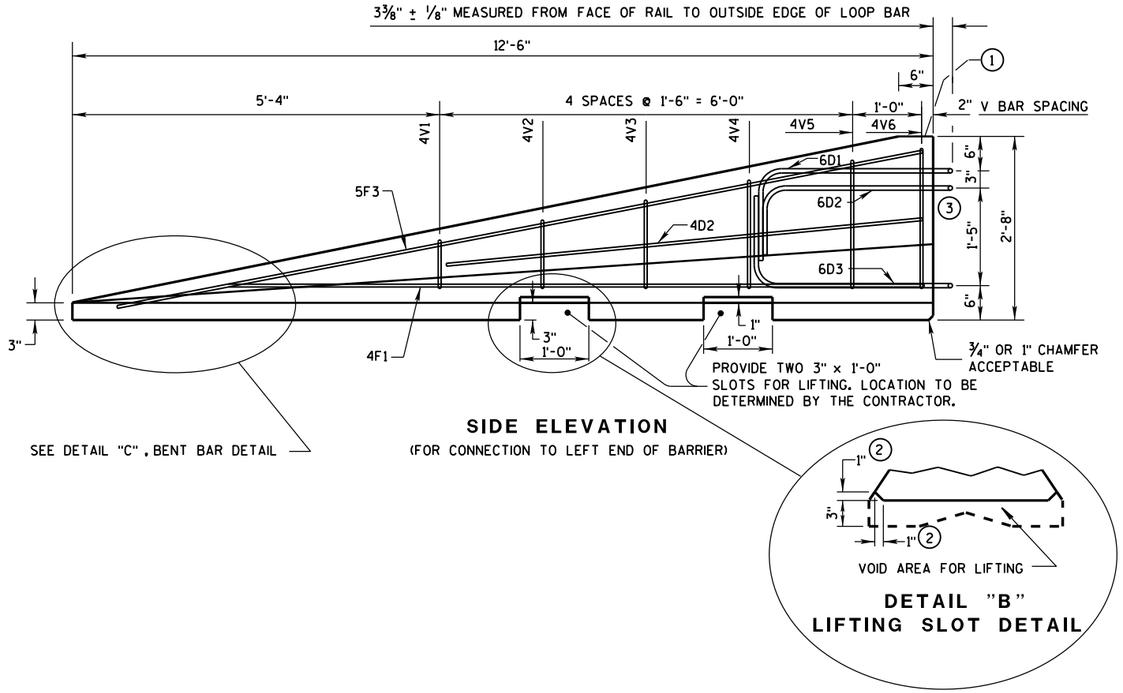
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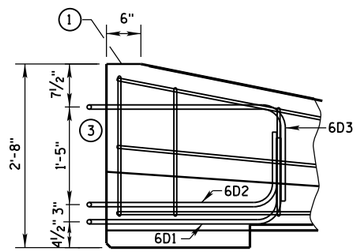
CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

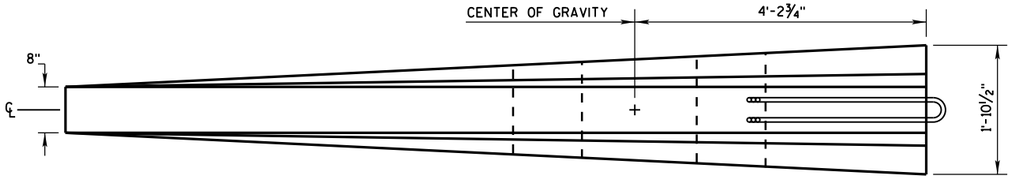
S.D.D. 14 B 7-15a

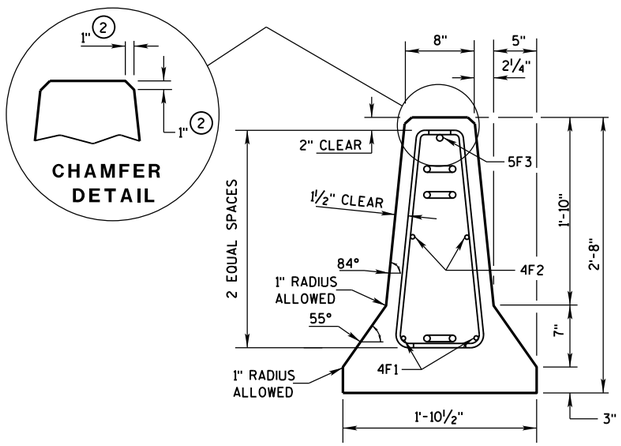


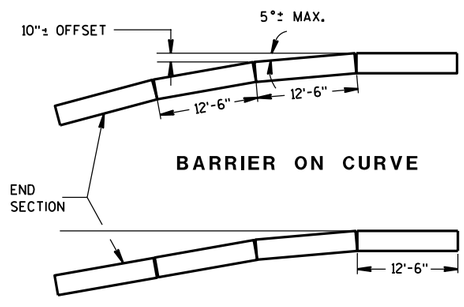


GENERAL NOTES

1. MARK ONE END OF EACH BARRIER PERMANENTLY BY FORMING INTO THE BARRIER THE FOLLOWING INFORMATION:
   a. TYPE WICBTP
   b. MANUFACTURER
   c. DATE MANUFACTURED (MONTH AND YEAR)
2. 1" CHAMFER TO PREVENT SPALLING.
3. NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.







POSTED SPEED, (MPH)	FLARE RATE
40 OR LESS	6:1
45 OR GREATER	8:1

DETAILS OF BARRIER TAPER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

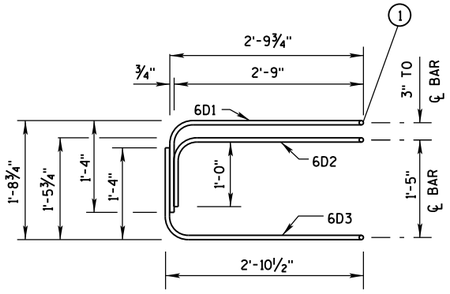
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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S.D.D. 14 B 7-15b

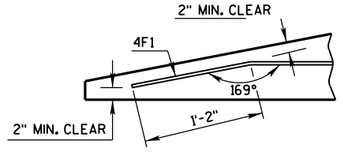
BARRIER TAPER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER TAPER SECTION)

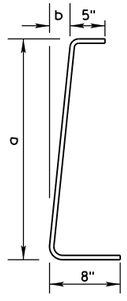
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4V1	4	2	1'-11"
4V2	4	2	2'-2"
4V3	4	2	2'-6"
4V4	4	2	2'-9"
4V5	4	2	3'-2"
4V6	4	2	3'-4"
4F1	4	2	12'-0"
4F2	4	2	7'-6"
5F3	5	1	11'-9"
LOOP ASSEMBLY			
6D1	6	1	8'-5"
6D2	6	1	7'-7"
6D3	6	1	8'-6"



ELEVATION
LOOP BAR ASSEMBLY



DETAIL "C"
BENT BAR DETAIL



BAR	a	b
V1	10"	1"
V2	1'-1"	1¼"
V3	1'-5"	1⅝"
V4	1'-8"	1⅞"
V5	2'-0½"	2⅜"
V6	2'-3"	2¾"

4V BARS
2 AT EACH SIZE REQUIRED
FOR STIRRUP ASSEMBLY

TAPER BARRIER SECTION

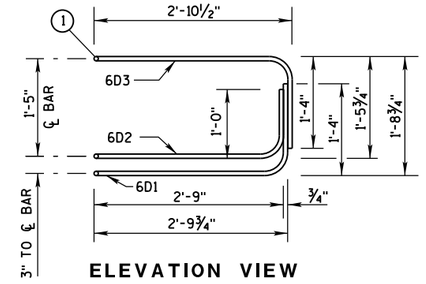
GENERAL NOTES

(1) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

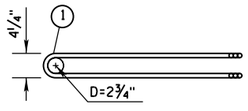
BARRIER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER SECTION)

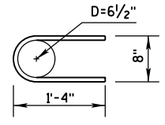
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4A1	4	12	6'-0"
6A2	6	6	2'-11"
5B1	5	3	12'-2"
4C1	4	2	12'-2"
LOOP ASSEMBLY			
6D1	6	2	8'-5"
6D2	6	2	7'-7"
6D3	6	2	8'-6"



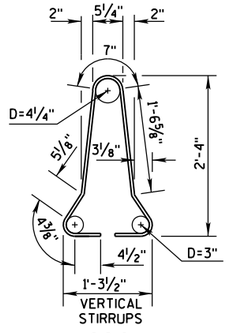
ELEVATION VIEW



PLAN VIEW
LOOP BAR ASSEMBLY
(MARKED END SHOWN, INVERT FOR OTHER END)



6A2



4A1

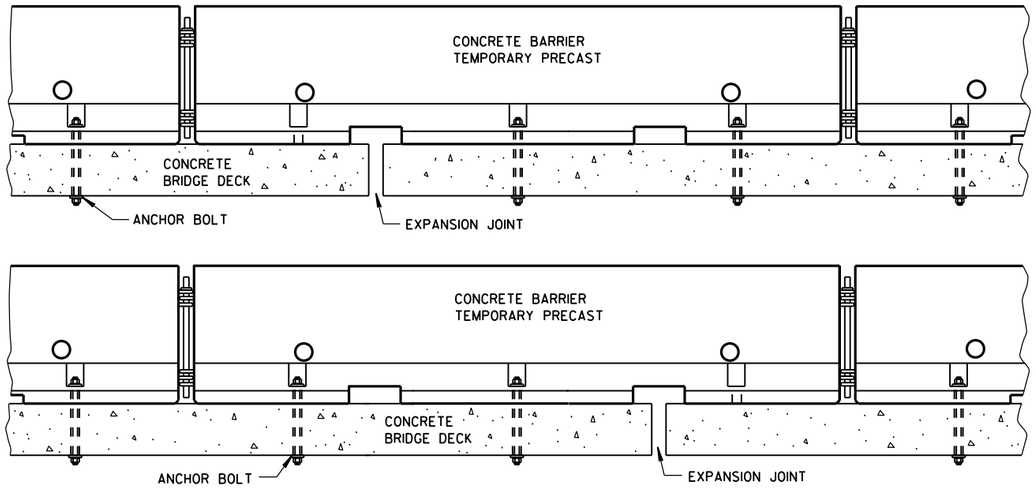
BARRIER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
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TREATMENT AT BRIDGE DECK EXPANSION JOINTS

(NO SINGLE CONCRETE BARRIER SECTION SHALL BE ANCHORED TO BOTH THE BRIDGE DECK AND THE APPROACH SLAB. ALL ANCHOR BOLT LOCATIONS SHALL BE ANCHORED TO THE DECK IN ACCORDANCE WITH THE DETAIL. NO MORE THAN ONE ANCHOR BOLT SHALL BE ELIMINATED FROM A BARRIER SECTION WHEN SPANNING AN EXPANSION JOINT.)

GENERAL NOTES

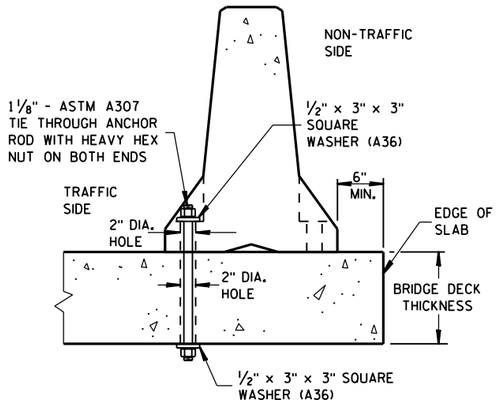
SEE SHEET E FOR WHEN TO ANCHOR. OTHER PARTS OF THE PLAN MAY SHOW ADDITIONAL LOCATIONS REQUIRING ANCHORING.

REMOVE ALL ANCHORS WHEN NO LONGER NEEDED. FILL CONCRETE PAVEMENTS, DECKS AND APPROACH SLABS WITH NON-SHRINK COMMERICAL GROUT FROM THE APPROVED PRODUCT LIST. FILL ASPHALT PAVEMENTS WITH ASTM D6690 TYPE II RUBBERIZED CRACK FILLER.

(1) 1⅛" DIAMENTER A307 THREADED ROD. ½" X 3" X 3" SQUARE PLATE WASHER WITH ASTM A36 STEEL. ASTM A563A HEAVY HEX NUT.

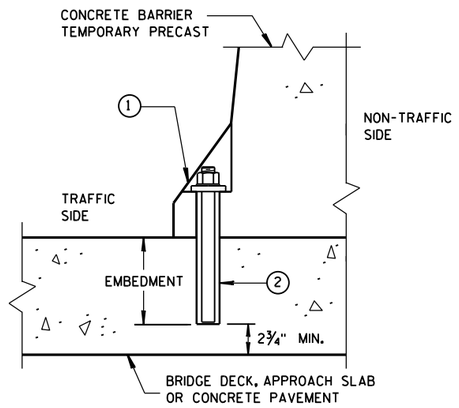
(2) ADHESIVE ANCHORS WITH A MINIMUM BOND STRENGTH OF 1,800 PSI AND 5¼" EMBEDMENT. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.

(3) ASPHALT SURFACE SHOWN. CONTRACTOR MAY DRILL THROUGH CONCRETE PAVEMENT AND THAN DRIVE ASPHALT ANCHOR PIN.



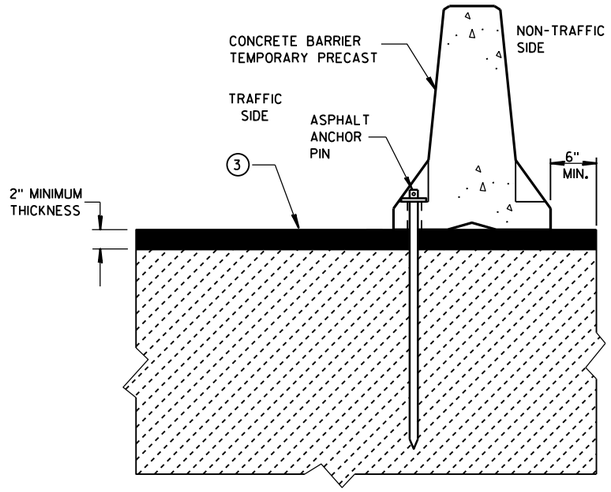
THROUGH BOLTED ANCHOR INSTALLATION ON BRIDGE DECK

(DO NOTUSE ON CONCRETE BRIDGE DECK WITH ASPHALT OVERLAY)

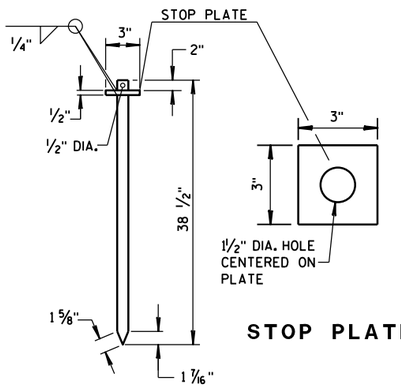


REMOVABLE ADHESIVE ANCHOR INSTALLATION ON CONCRETE BRIDGE DECK, CONCRETE APPROACH SLAB, OR CONCRETE PAVEMENT

(DO NOT USE ON CONCRETE WITH AN ASPHALTIC OVERLAY)



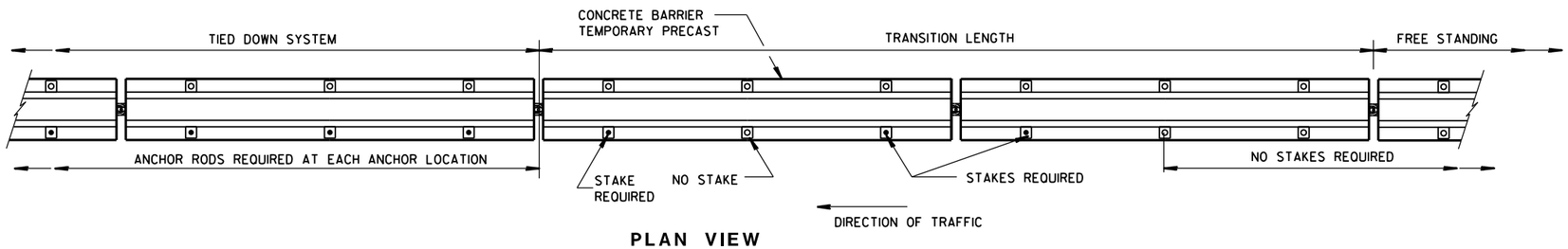
STAKE DOWN INSTALLATION FOR ASPHALTIC SURFACE



STOP PLATE

ASPHALT ANCHOR PIN

(ASTM A36 STEEL)



PLAN VIEW

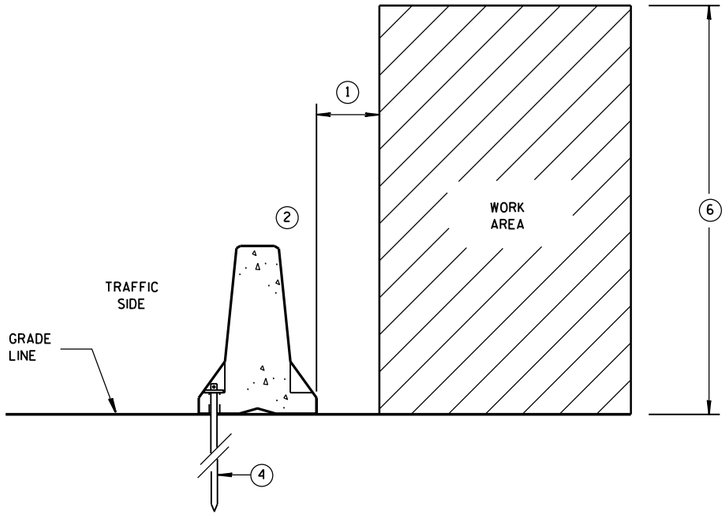
FREE STANDING TRANSITION TO TIED-DOWN SYSTEM

(PLACE TRANSITION IN A TANGENT SECTION OF BARRIER PARALLEL TO THE ROADWAY. IF TRANSITION OCCURS ON STRUCTURAL SLAB, ANCHOR AS SHOWN.)

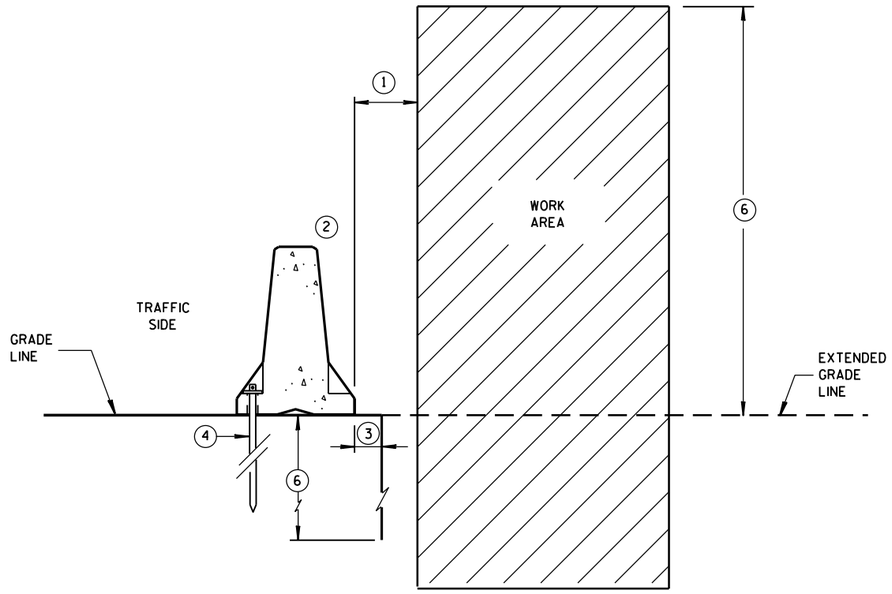
CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

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ANCHORED BARRIER SPACE REQUIREMENTS FOR HAZARDS EXTENDED ABOVE THE GRADE LINE

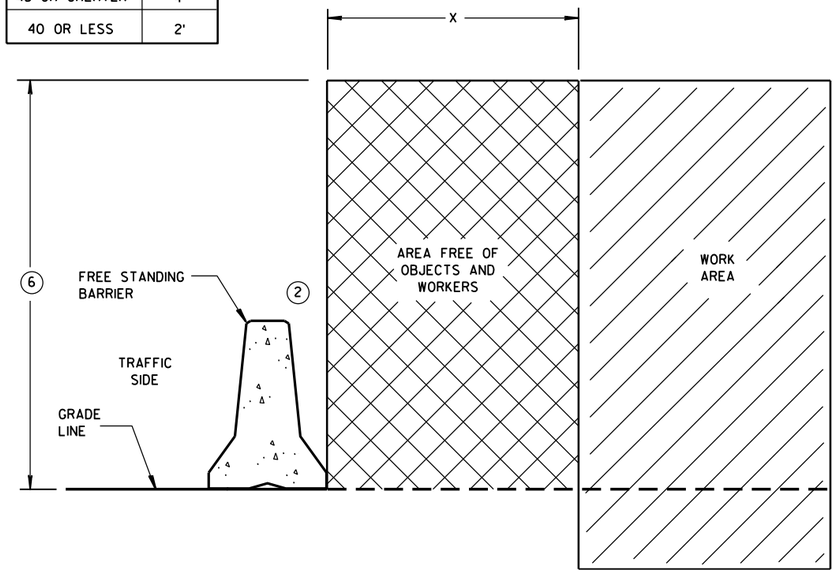


ANCHORED BARRIER SPACE REQUIREMENTS ON VERTICAL DROP OFFS

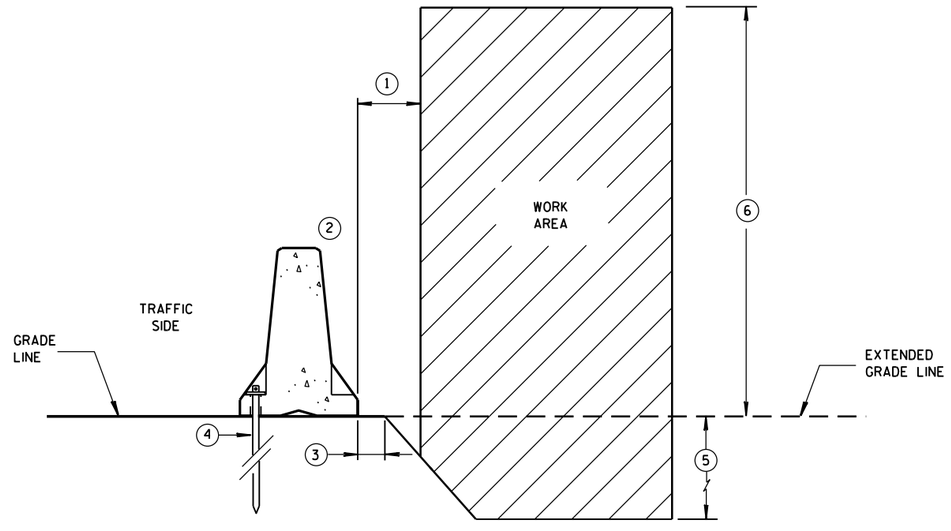
GENERAL NOTES

1. WHEN OBJECTS EXTEND ABOVE THE GRADE, A MINIMUM OF 1 FOOT IS REQUIRED FROM BACK OF BARRIER TO OBJECT. SEE OTHER DETAILS FOR FOR THE MINIMUM OFFSET FROM BACK OF BARRIER TO SLOPES OR VERTICAL DROPS.
2. OBJECTS ARE NOT TO BE PLACED ON, MOUNTED TO, OR LEANED AGAINST THE BARRIER WITHOUT PERMISSION OF THE PROJECT ENGINEER.
3. SEE OTHER DETAIL ON SHEET "D" FOR SPACE REQUIREMENTS.
4. SEE BOLT THROUGH DECK, REMOVABLE ADHESIVE ANCHOR, OR A STAKE DOWN FOR ASPHALTIC SURFACE TREATMENT DETAILS. ASPHALTIC ANCHOR SHOWN.
5. DEPTH OF 3 FEET OR MORE.
6. Y = 6'-6".

POSTED SPEED MPH	X
45 OR GREATER	4'
40 OR LESS	2'



FREE STANDING BARRIER SPACE REQUIREMENTS



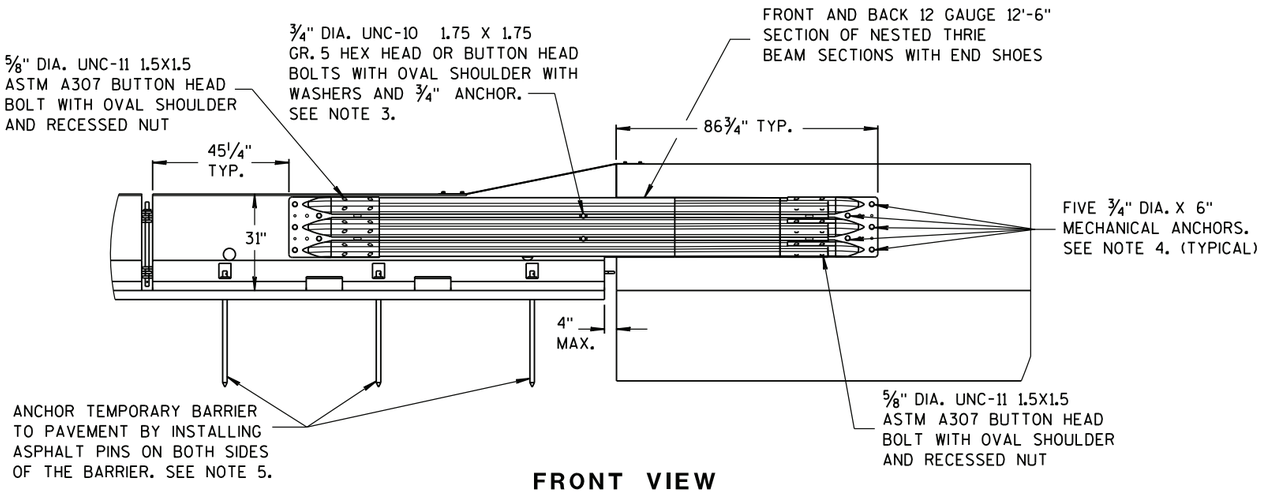
ANCHORED BARRIER SPACE REQUIREMENTS ON SLOPES

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

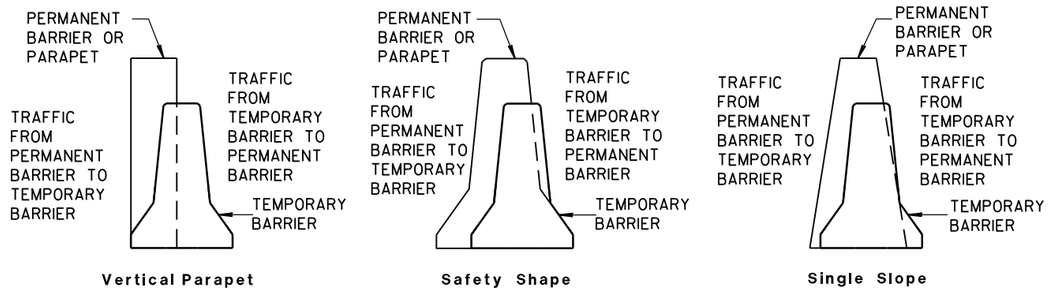
STATE OF WISCONSIN
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FRONT VIEW

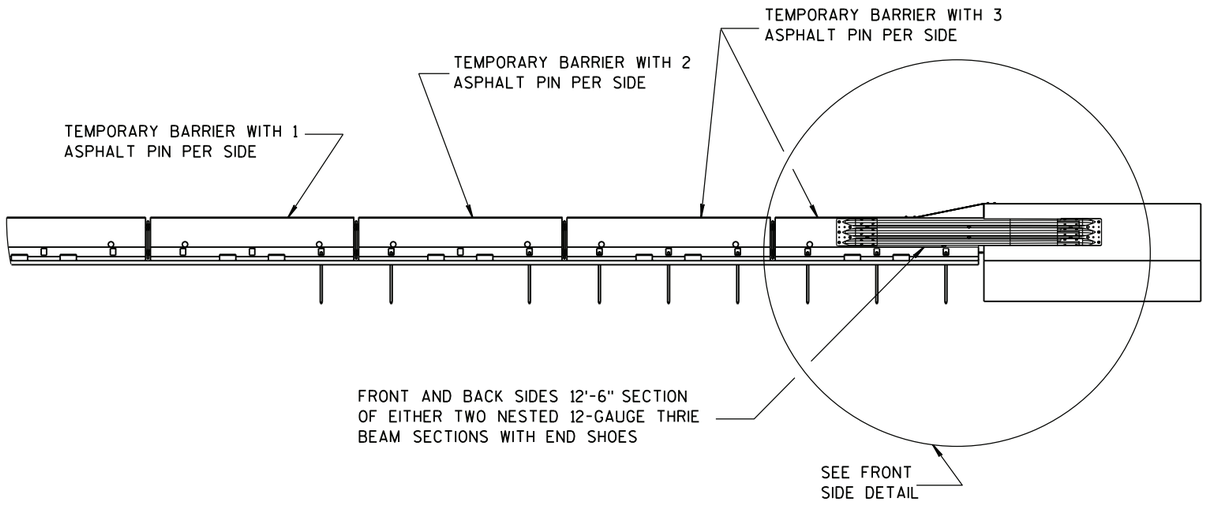


TEMPORARY BARRIER PLACEMENT FOR TRANSITION TO TIED DOWN SYSTEM

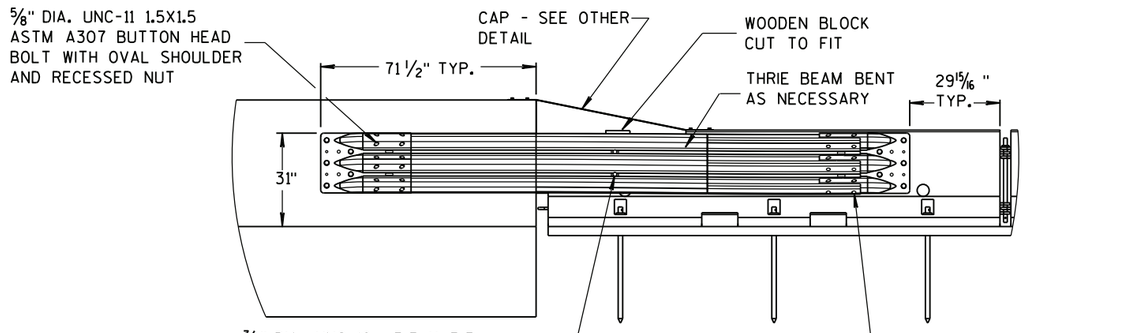
NOTES

NESTED THRIE BEAM IS REQUIRED ON BOTH SIDES OF THE TEMPORARY BARRIER FOR ALL INSTALLATIONS REGARDLESS OF TRAFFIC.

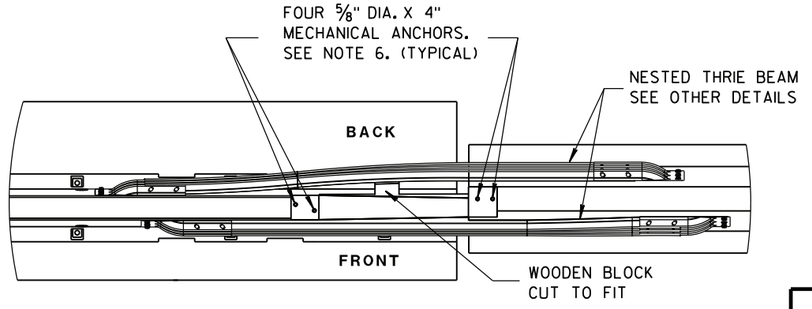
1. CAP END PLATE PLACED FLUSH WITH UPSTREAM END OF PERMANENT BARRIER OR PARAPET.
2. THRIE BEAM PIECES ARE OFFSET 15 1/4" TO PREVENT INTERFERENCE FROM THE ANCHORS ON OPPOSING SIDES.
3. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 9.48 KIPS AND ULTIMATE SHEAR LOAD 10.48 KIPS.
4. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 17.9 KIPS AND ULTIMATE SHEAR LOAD 21.96 KIPS.
5. MAY BE USED ON CONCRETE OR ASPHALT PAVEMENTS. ASPHALT OPTION SHOWN. FOR CONCRETE OPTION SEE OTHER DETAILS.
6. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 12.14 KIPS AND ULTIMATE SHEAR LOAD 17.5 KIPS.



FRONT VIEW



BACK VIEW



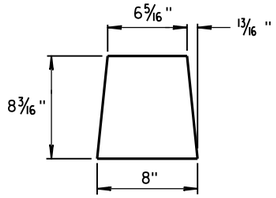
PLAN VIEW

TRANSITION TO TIED DOWN SYSTEM

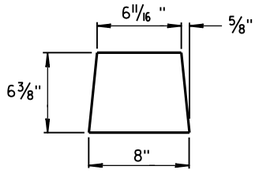
CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
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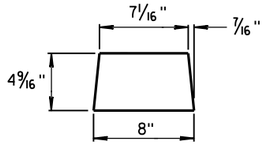
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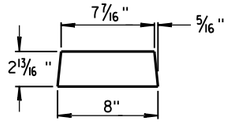
GUSSET 1



GUSSET 2

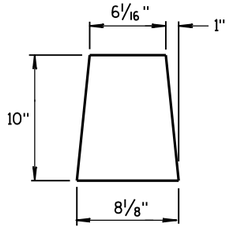


GUSSET 3

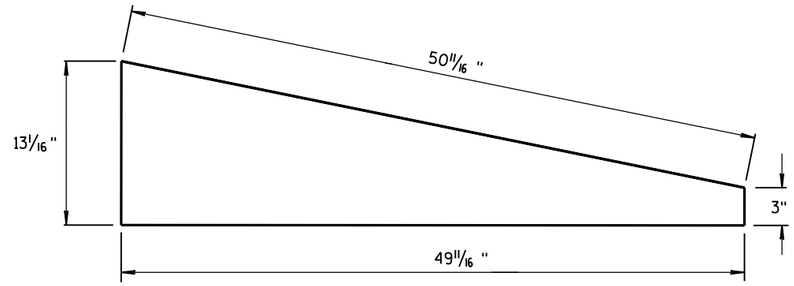


GUSSET 4

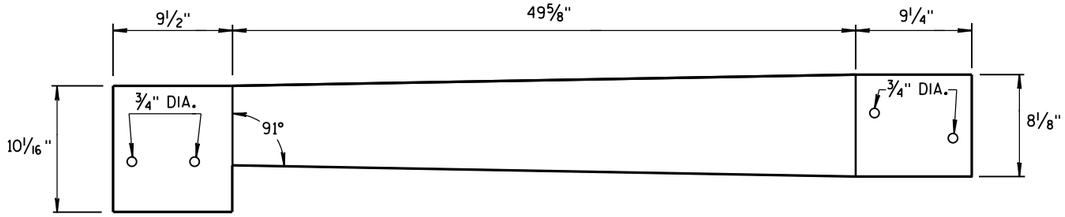
GUSSETS

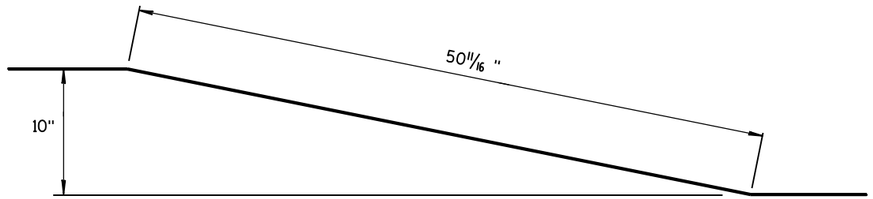


END PLATE

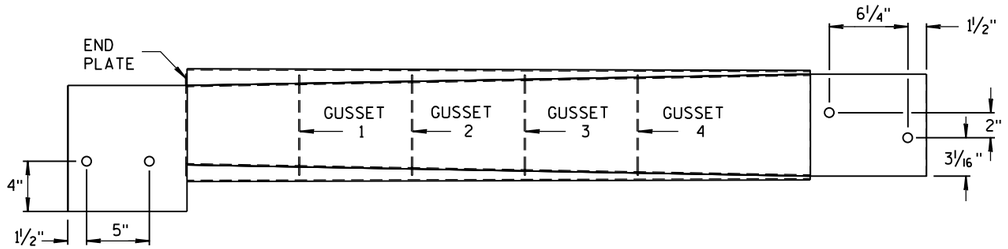


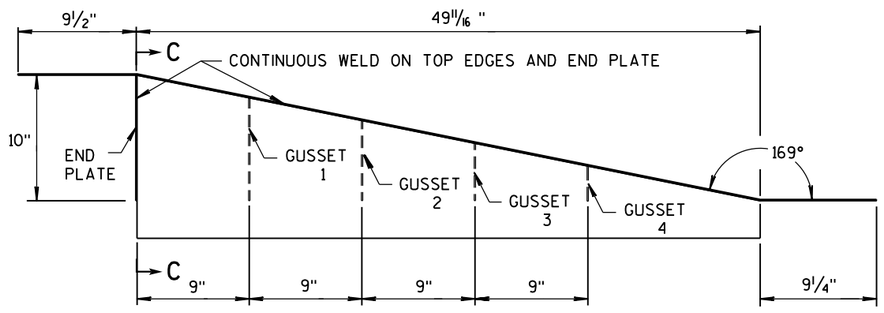
SIDE PLATE

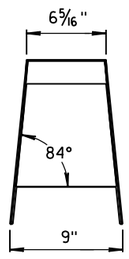




TOP PLATE







SECTION C-C

NOTES

1. FOUR GUSSETS AND END PLATE ARE STITCH WELDED ON THREE SIDES.
2. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE, AND GUSSETS.

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 42" PERMANENT CONCRETE BARRIER

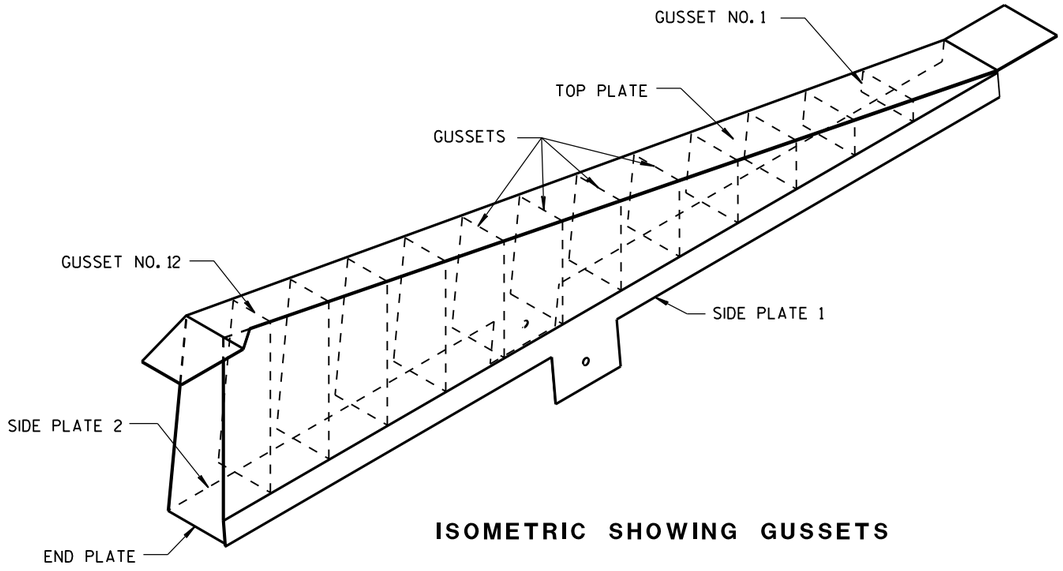
SIDE, TOP AND END PLATES FOR CAP FROM TEMPORARY CONCRETE BARRIER TO 42" PERMANENT CONCRETE BARRIER

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 GALVANIZED STEEL.

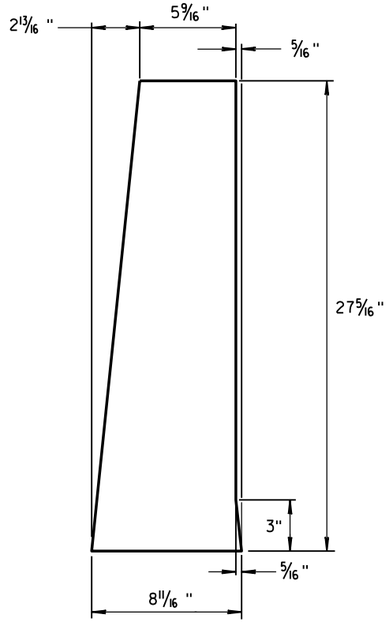
CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
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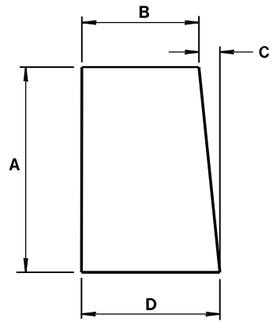


ISOMETRIC SHOWING GUSSETS



END PLATE

1/8" STEEL PLATE



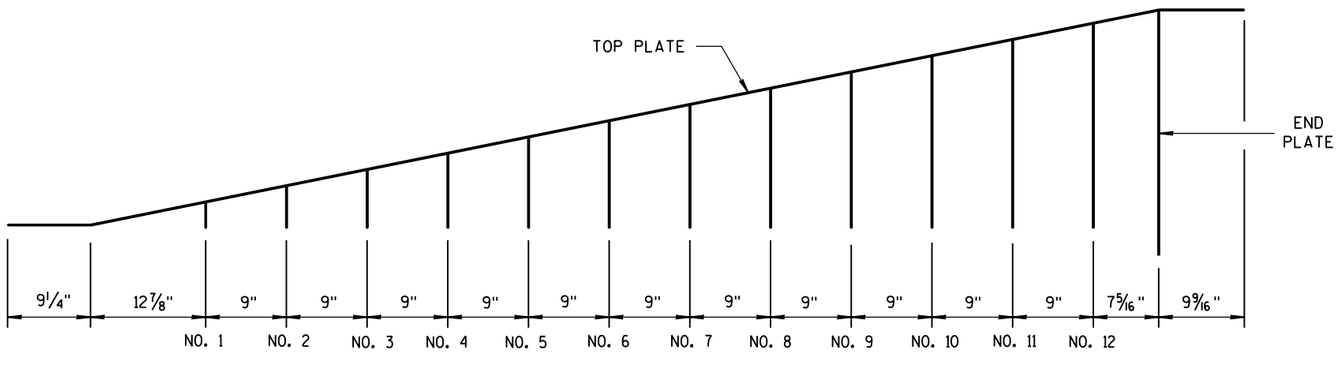
GUSSETS 1 - 12

ALL GUSSETS 1/8" STEEL PLATE

GUSSET DIMENSIONS				
GUSSET NO.	A	B	C	D
1	2 7/8"	7 3/4"	1/4"	8
2	4 11/16 "	7 9/16 "	1/2"	8
3	6 1/2"	7 3/8"	11/16 "	8 1/16 "
4	8 5/16 "	7 3/16 "	7/8"	8 1/16 "
5	10 1/8"	7"	1 1/16 "	8 1/16 "
6	11 15/16 "	6 13/16 "	1 1/4"	8 1/16 "
7	13 3/4"	6 5/8"	1 7/16 "	8 1/16 "
8	15 9/16 "	6 7/16 "	1 9/16 "	8 1/16 "
9	17 3/8"	6 1/4"	1 13/16 "	8 1/16 "
10	19 3/16 "	6 1/16 "	1 15/16 "	8 1/16 "
11	21"	5 7/8"	2 3/16 "	8 1/16 "
12	22 13/16 "	5 11/16 "	2 5/16 "	8 1/16 "

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 STEEL AND GALVANIZED.

GUSSETS AND END PLATE ARE STITCH WELDED ON 3 SIDES. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE AND GUSSETS.



GUSSET LOCATION

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 56" PERMANENT CONCRETE BARRIER

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

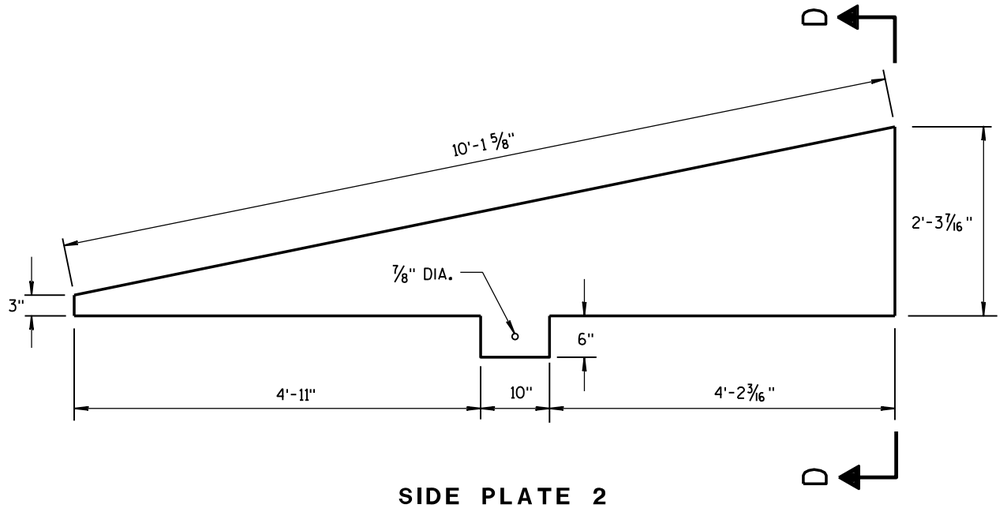
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

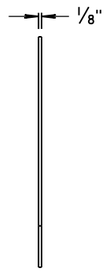
S.D.D. 14 B 7-15h

6

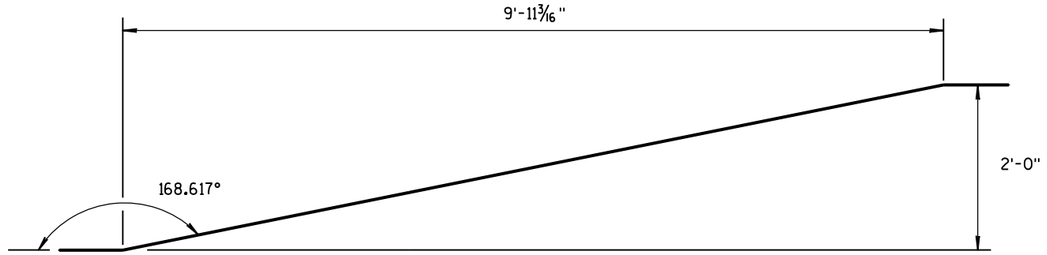
S.D.D. 14 B 7-15h



SIDE PLATE 2

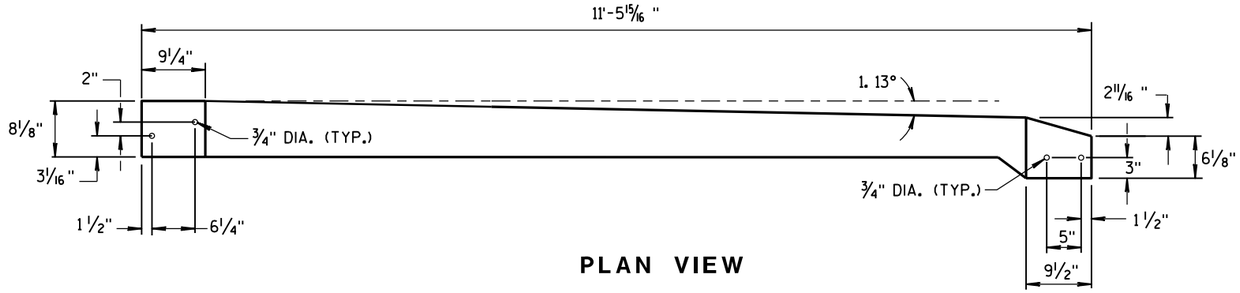


END VIEW



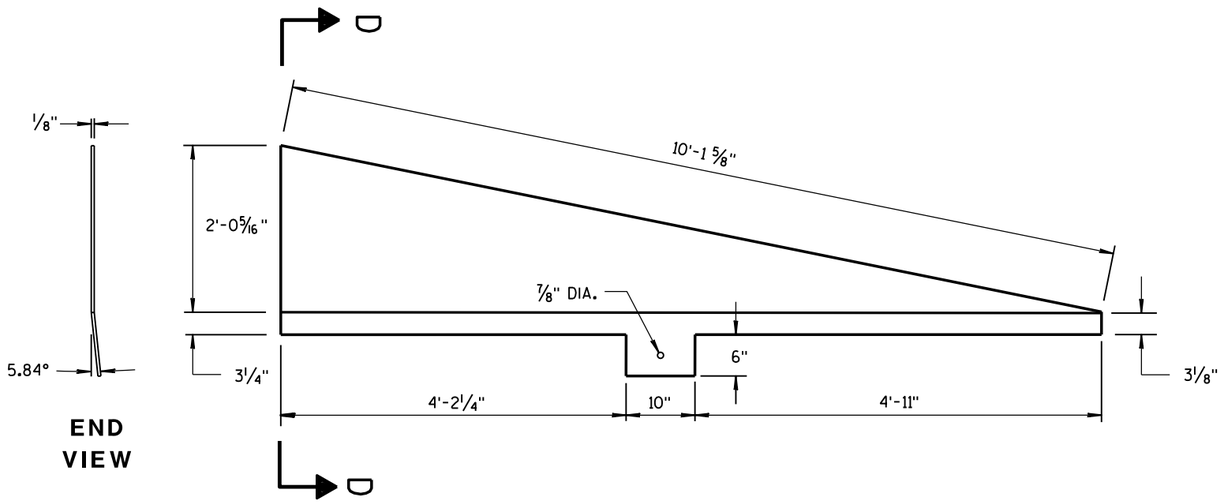
SIDE VIEW

TOP PLATE



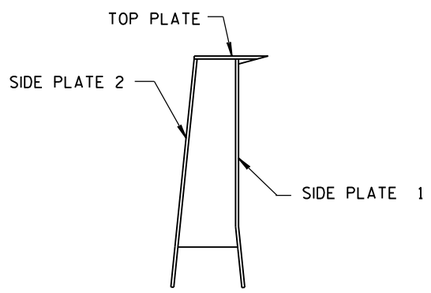
PLAN VIEW

TOP PLATE



END VIEW

SIDE PLATE 1



SECTION D-D

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 56" PERMANENT CONCRETE BARRIER

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA

223

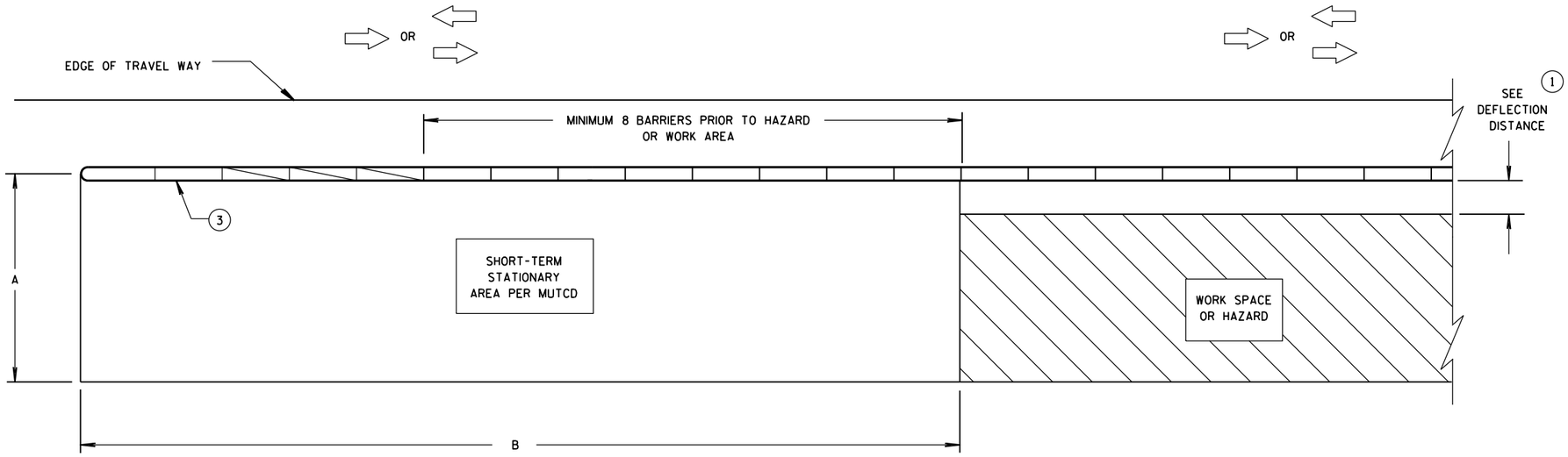
ENT

6

S.D.D. 14 B 7-15i

6

S.D.D. 14 B 7-15i



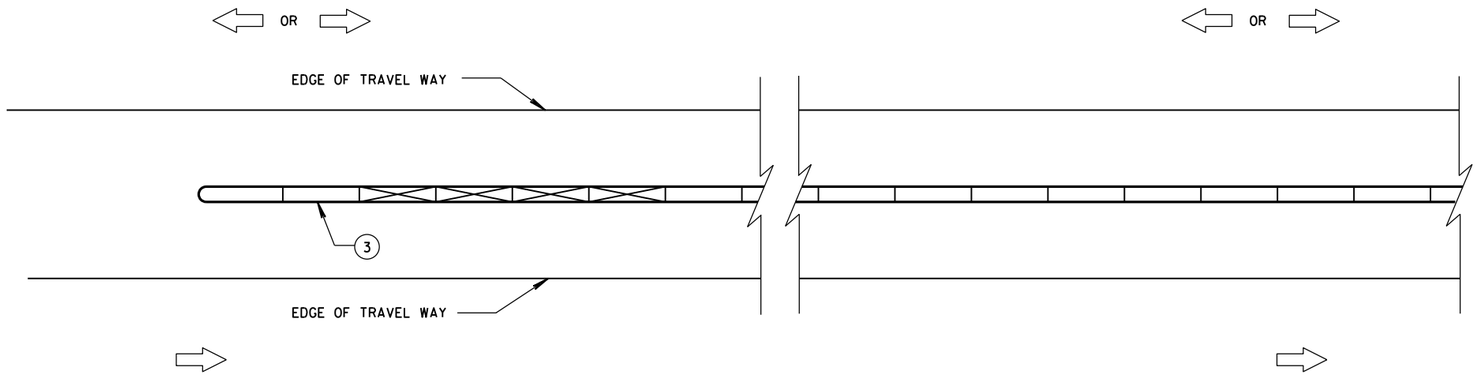
CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON ONE SIDE OF BARRIER

DIMENSION A TABLE (2)

FACILITY	POSTED SPEED MPH	DIMENSION A	
		MIN. FT	MAX. FT
FREEWAY/EXPRESSWAY	ALL	15	20
NON-FREEWAY/EXPRESSWAY	GREATER THAN OR EQUAL TO 45	10	15
NON-FREEWAY/EXPRESSWAY	LESS THAN 45	8	10
AADT LESS THAN 1,500	ALL	8	10

DIMENSION B TABLE (2)

POSTED SPEEDS MPH	DIMENSION B FT
20	115
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645



CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON BOTH SIDES OF BARRIER

LEGEND

- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

GENERAL NOTES

SEE STANDARD DETAIL DRAWING 14B7 FOR MORE INFORMATION.

DETAILS PROVIDE A GENERAL LAYOUT OF TEMPORARY CONCRETE BARRIER, CRASH CUSHIONS, SAND BARREL ARRAYS AND TIE DOWN TRANSITIONS. DETAILS PROVIDED MAY NOT FIT ALL POSSIBLE SITUATIONS OR SITE CONDITIONS. SEE OTHER SECTIONS OF THE CONTRACT OR PROJECT ENGINEER FOR MORE DETAILS.

ADDITIONAL TEMPORARY BARRIER MAY BE REQUIRED TO PROTECT TRAVELING PUBLIC FROM HAZARDS, CONTRACTOR'S OPERATIONS OR TO CONTROL TRAFFIC.

TEMPORARY BARRIER MAY BE REQUIRED TO BE ANCHORED TO PAVEMENT OR BRIDGE DECK.

FOR DETAILS ON CRASH CUSHION OR SAND BARREL ARRAYS SEE OTHER SECTIONS OF THE PLAN AND MANUFACTURE'S DETAILS.

SLOPES LEADING TO TEMPORARY BARRIER, CRASH CUSHION OR SAND BARREL ARRAY ARE 10:1 OR LESS.

(1) FOR DEFLECTION INFORMATION SEE STANDARD DETAIL DRAWING 14B7.

(2) VALUES PROVIDED MAY NOT FIT ALL POSSIBLE SITUATIONS OR SITE CONDITIONS. SEE OTHER SECTIONS OF THE CONTRACT OR PROJECT ENGINEER FOR MORE DETAILS.

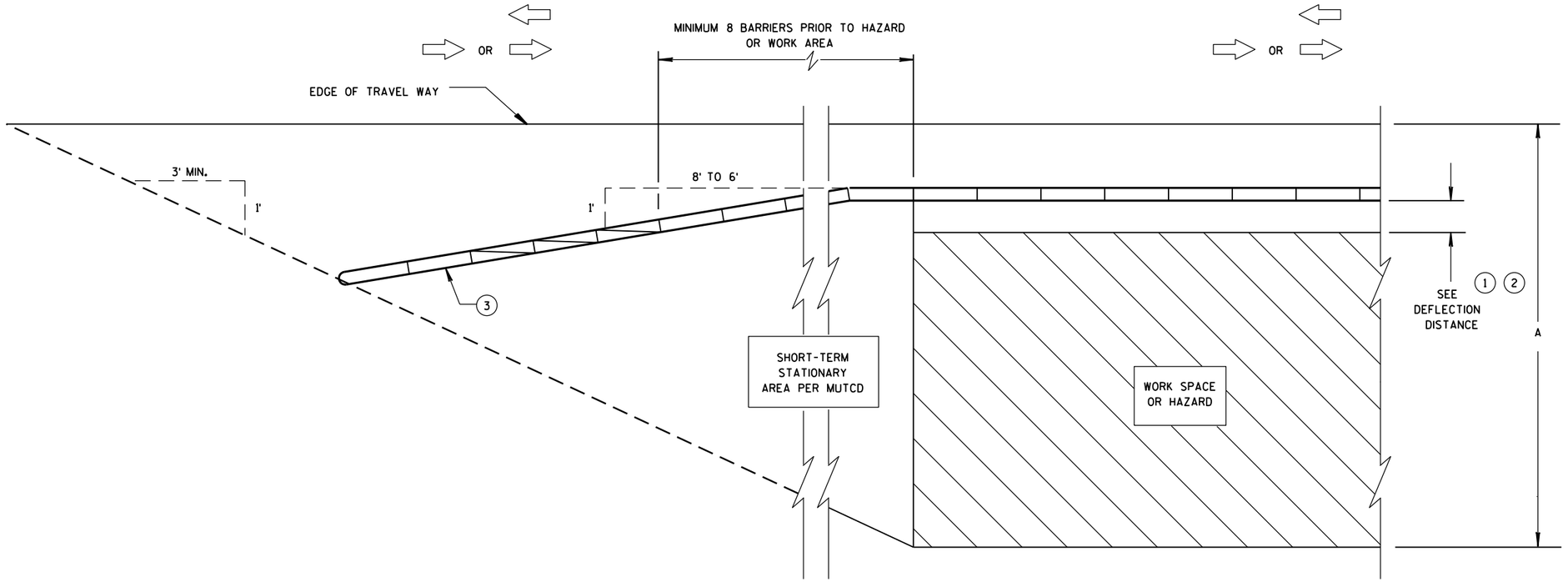
(3) ANCHOR TEMPORARY BARRIER ACCORDING TO CRASH CUSHION OR SAND BARREL MANUFACTURER'S RECOMMENDATIONS. IF MANUFACTURER'S RECOMMENDATIONS ARE NOT PROVIDED, ANCHOR 3 PINS ON TRAFFIC SIDE.

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

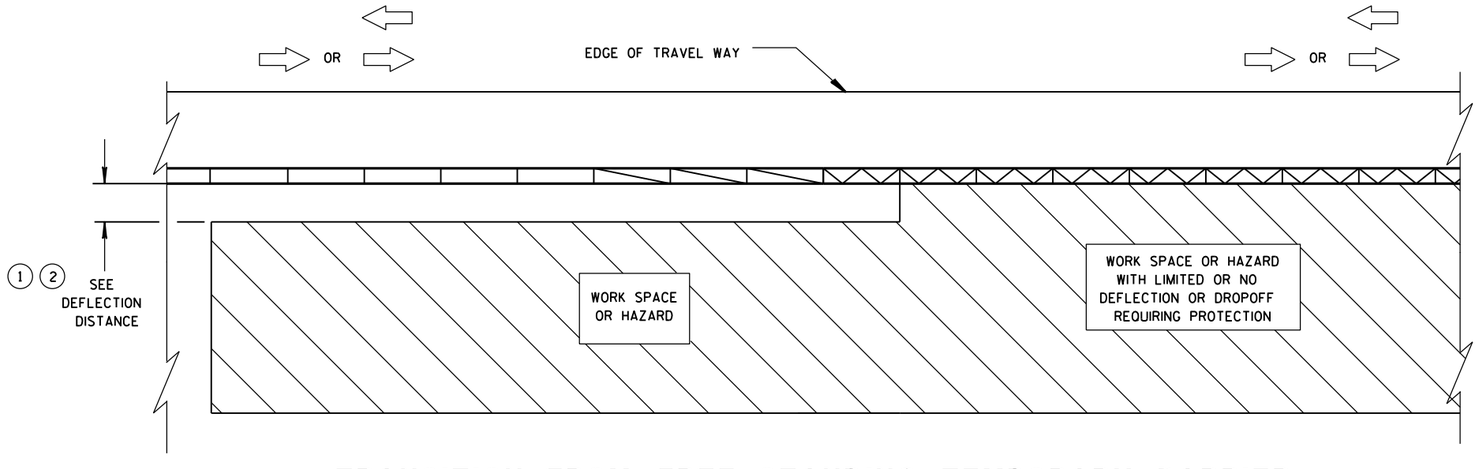
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 14 B 8-2a
S.D.D. 14 B 8-2a



CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON ONE SIDE - FLARED INSTALLATION



TRANSITION FROM FREE STANDING TEMPORARY BARRIER TO ANCHORED BARRIER

LEGEND

- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

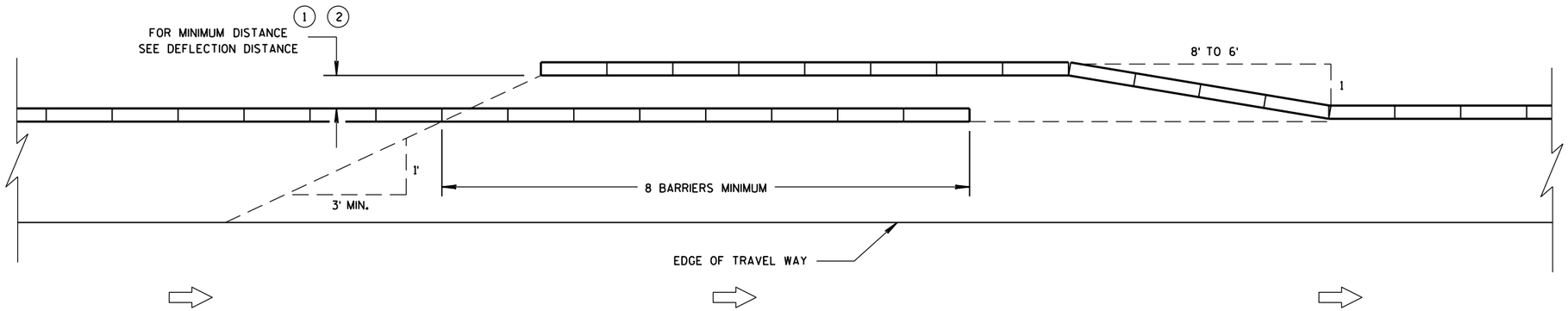
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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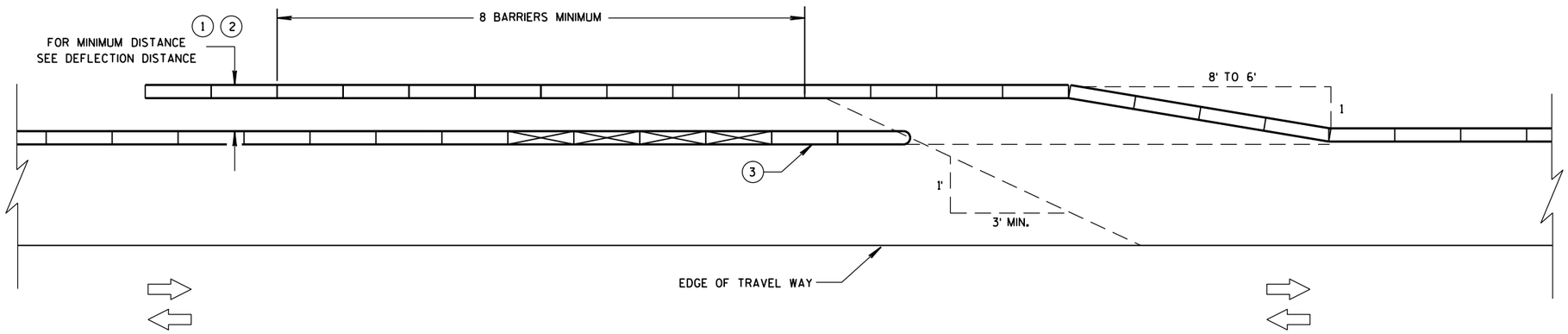
S.D.D. 14 B 8-2b

6

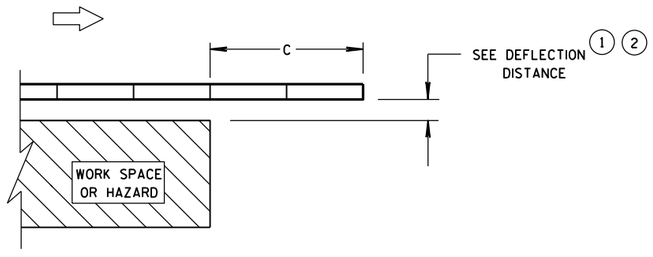
S.D.D. 14 B 8-2b



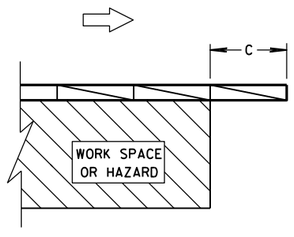
TEMPORARY BARRIER OVERLAP - ONE-WAY TRAFFIC



TEMPORARY BARRIER OVERLAP - TWO-WAY TRAFFIC



ENDING TEMPORARY BARRIER DOWNSTREAM - UNANCHORED



ENDING TEMPORARY BARRIER DOWNSTREAM - ANCHORED

LEGEND

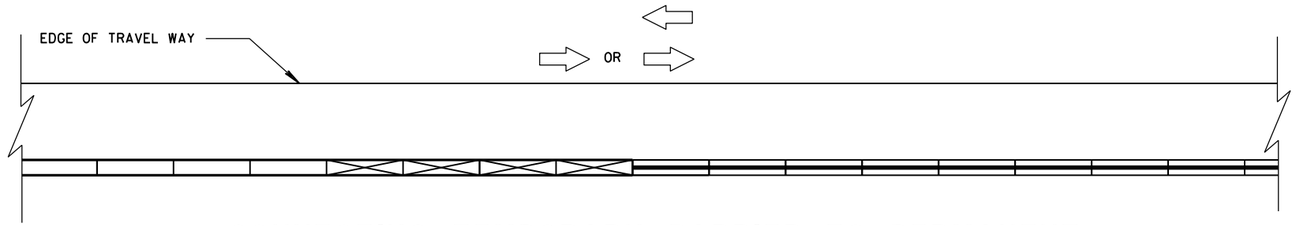
- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

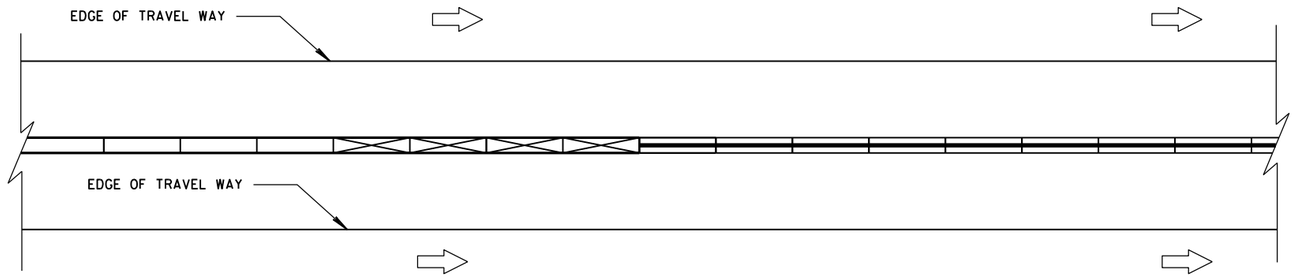
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

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S.D.D. 14 B 8-2c



CONNECTING TEMPORARY BARRIER TO PERMANENT
CONCRETE BARRIER-TRAFFIC ON ONE SIDE



CONNECTING TEMPORARY BARRIER TO PERMANENT
CONCRETE BARRIER-TRAFFIC ON BOTH SIDES

LEGEND

DIRECTION OF TRAVEL

CRASH CUSHION OR
SAND BARREL ARRAY

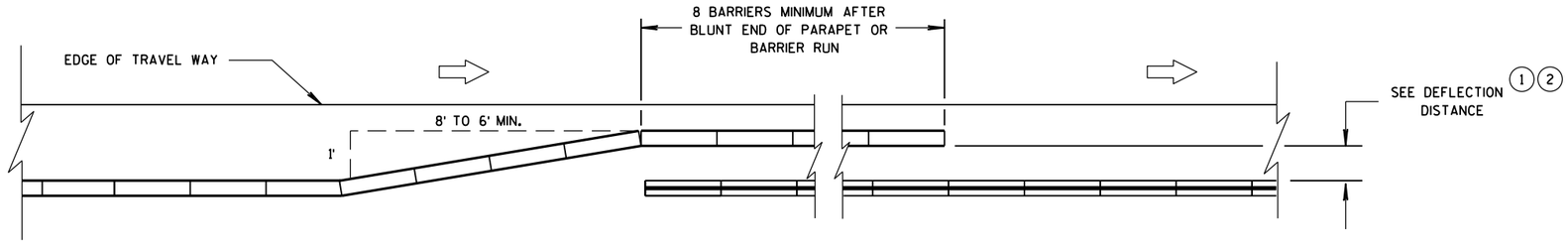
SEE FREE STANDING TRANSITION
TO TIED-DOWN SYSTEM DETAILS

SEE BI-DIRECTIONAL TRANSITION
TO TIED-DOWN SYSTEM DETAILS

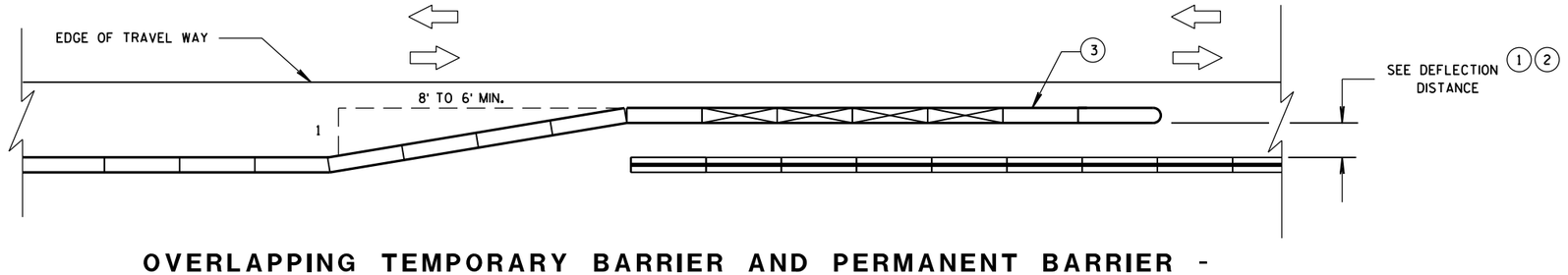
3 PINS PLACED ON
TRAFFIC SIDE OF BARRIER

PERMANENT CONCRETE BARRIER
OR CONCRETE PARAPET

FREE STANDING TEMPORARY
BARRIER



OVERLAPPING TEMPORARY BARRIER AND PERMANENT BARRIER -
ONE WAY TRAFFIC



OVERLAPPING TEMPORARY BARRIER AND PERMANENT BARRIER -
TWO WAY TRAFFIC

CRASH CUSHION/SAND BARREL
ARRAY AND OTHER TEMPORARY
BARRIER LAYOUT DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 14 B 8-2d

LEGEND

DIRECTION OF TRAVEL

CRASH CUSHION OR SAND BARREL ARRAY

SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS

SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS

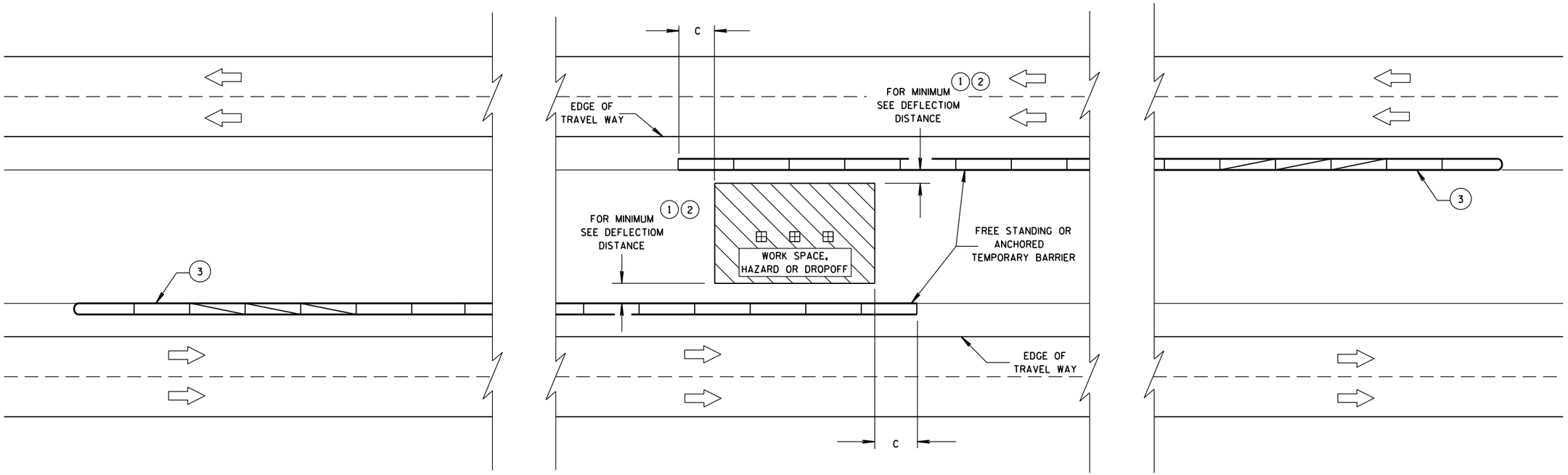
3 PINS PLACED ON TRAFFIC SIDE OF BARRIER

PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET

FREE STANDING TEMPORARY BARRIER

DIMENSION C TABLE (2)

AVAILABLE DEFLECTION DISTANCE	MINIMUM LENGTH OF BARRIER BEYOND HAZARD FT
GREATER THAN 8'	12.5
LESS THAN OR EQUAL TO 8' BUT GREATER THAN 4'	50
LESS THAN OR EQUAL TO 4'	100



6

S.D.D. 14 B 8-2e

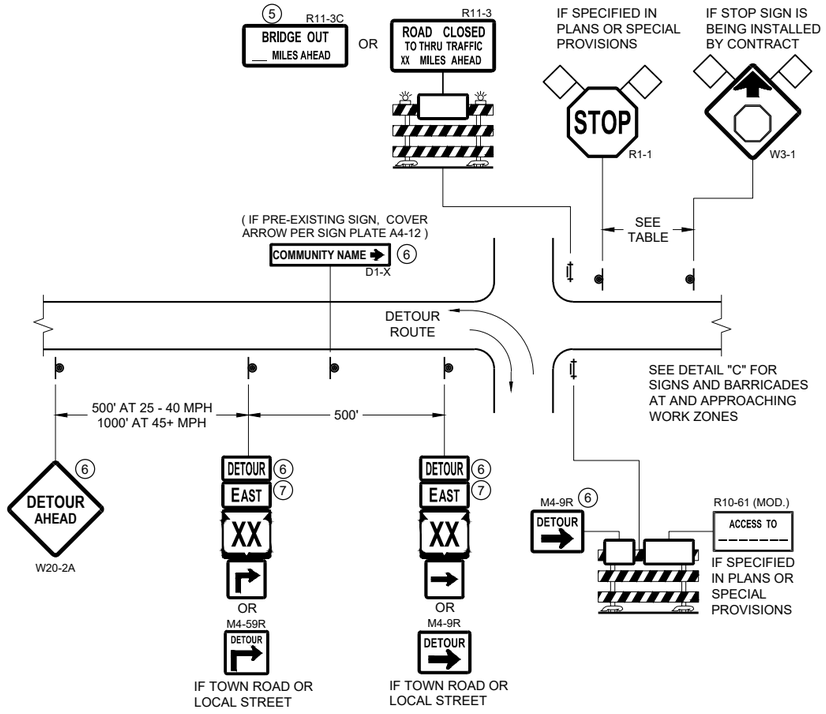
CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINNER
FHWA

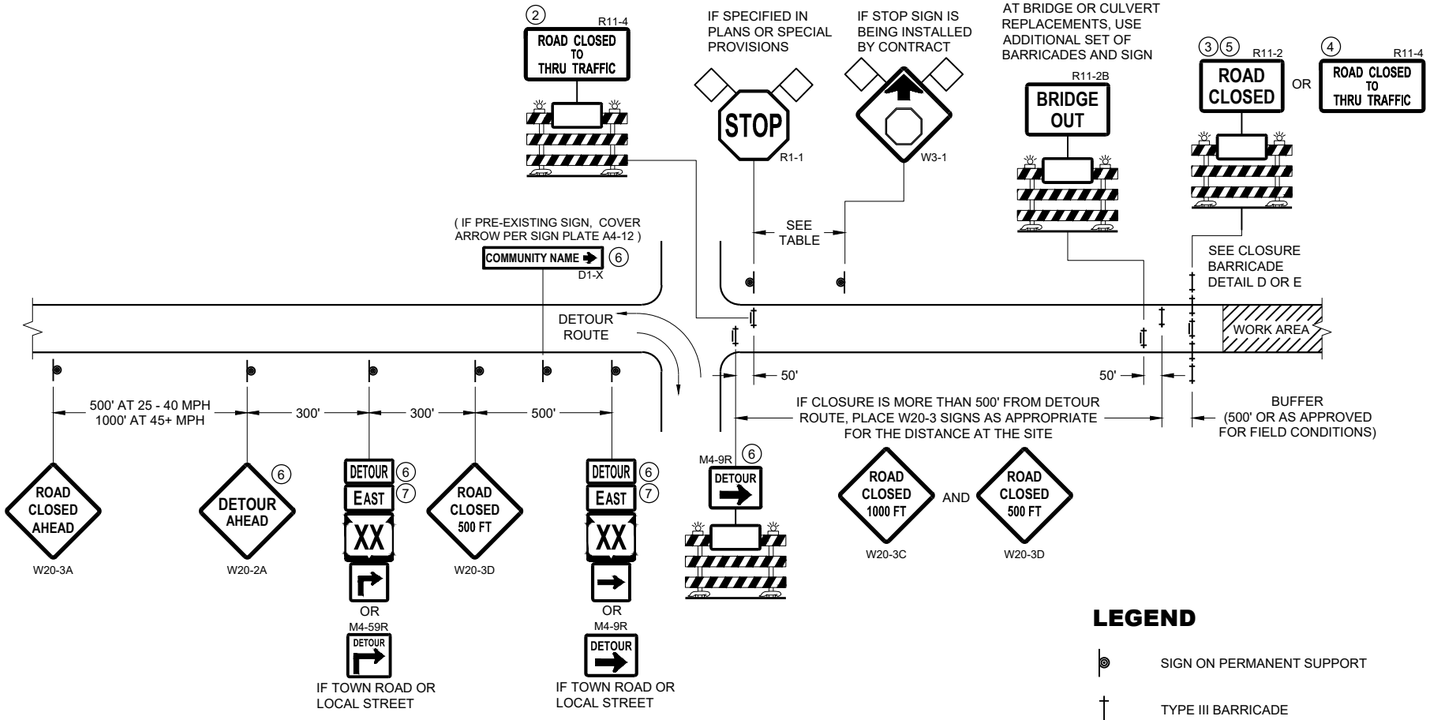
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S.D.D. 14 B 8-2e



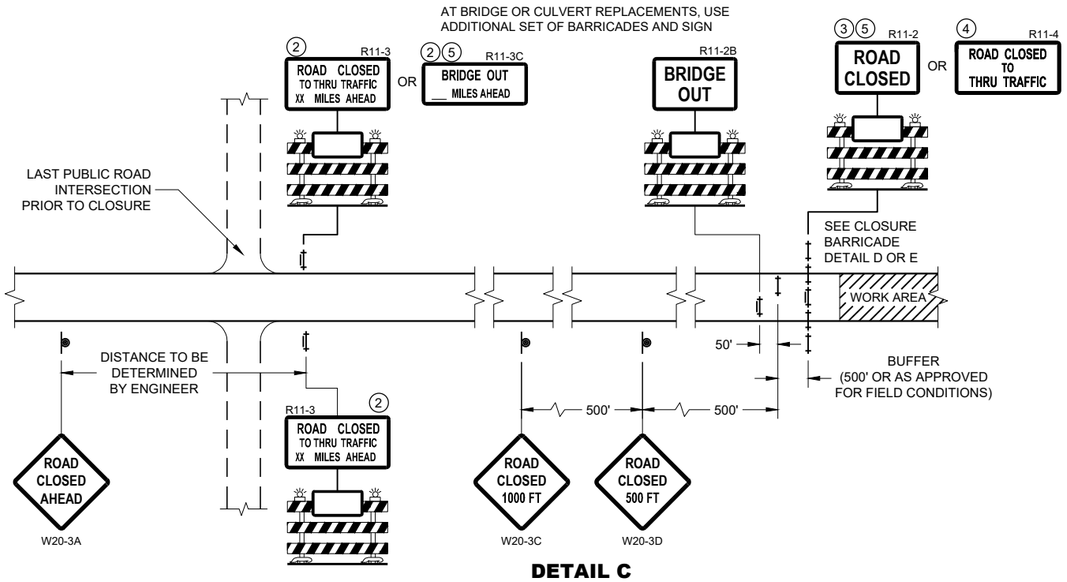
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b"
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

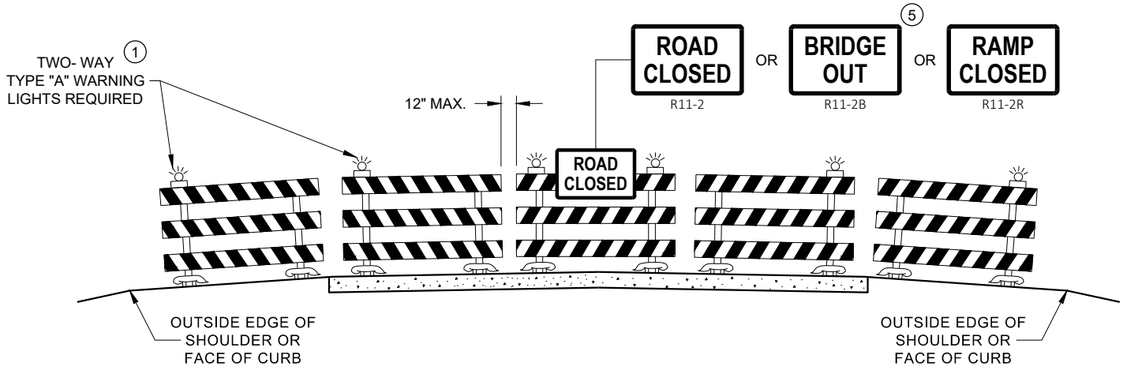
APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

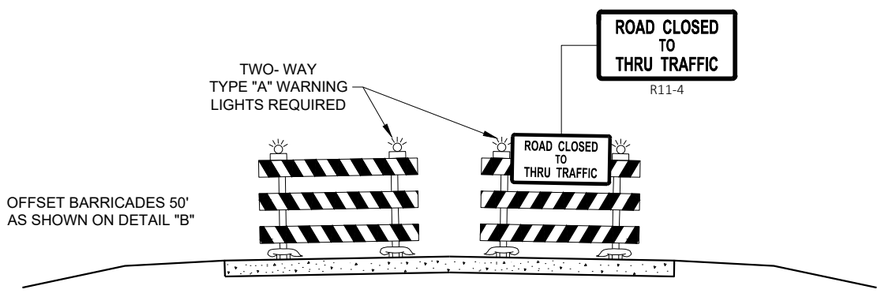
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SDD 15C02 - 08a

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

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SDD 15C02 - 08b

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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.

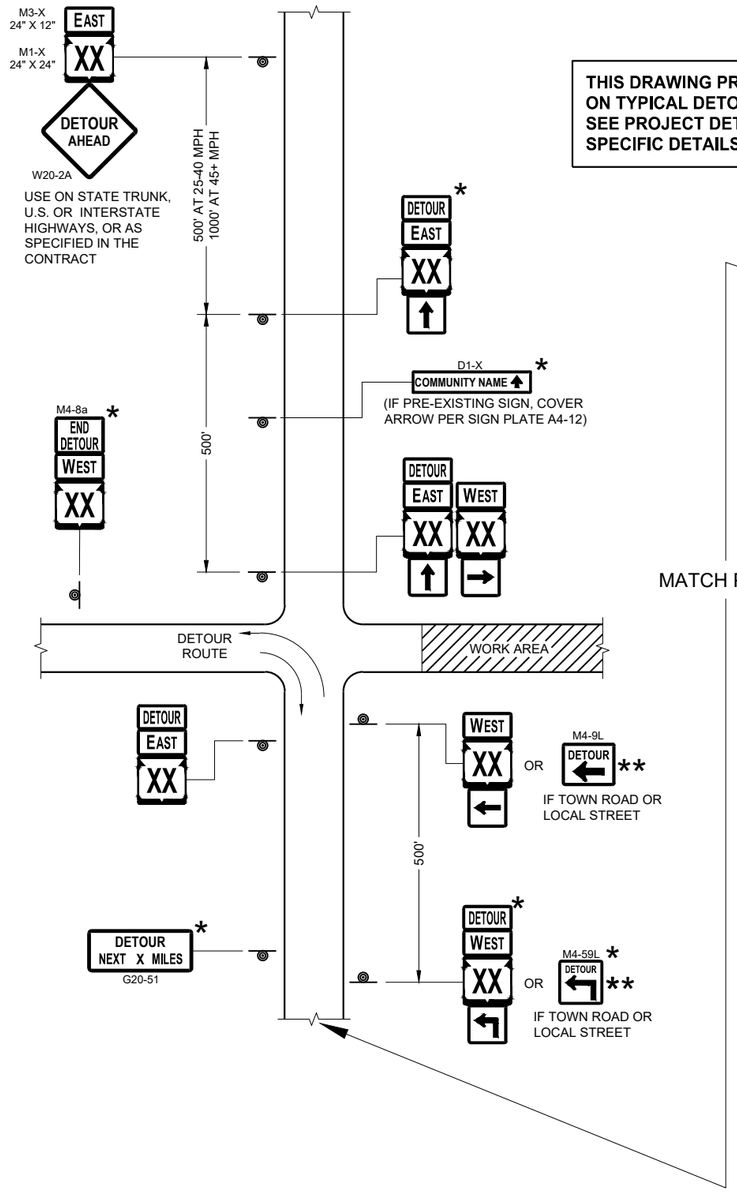
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

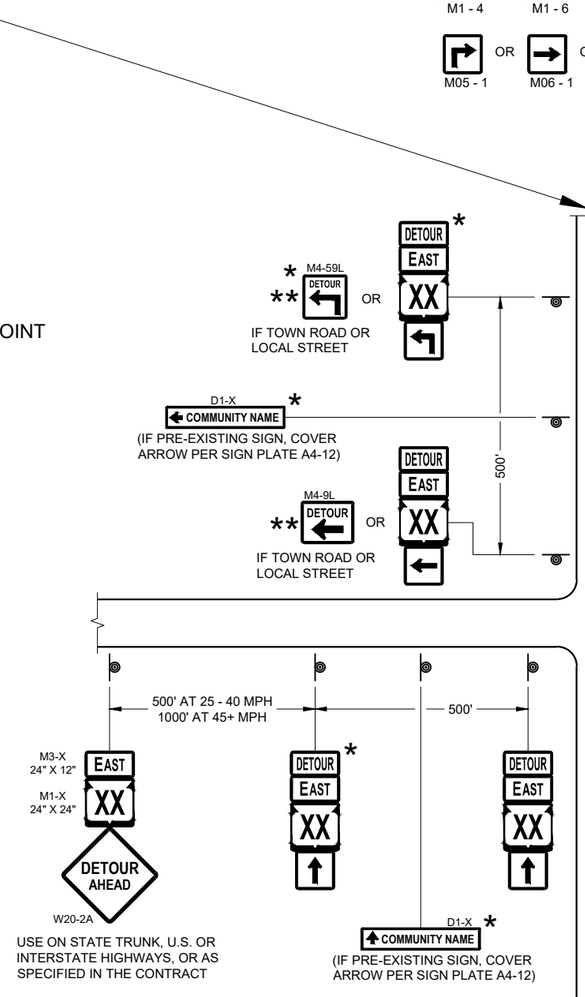
M3-X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
M4-8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
M1-4, M1-5A AND M1-6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
M05-1 AND M06-1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
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.

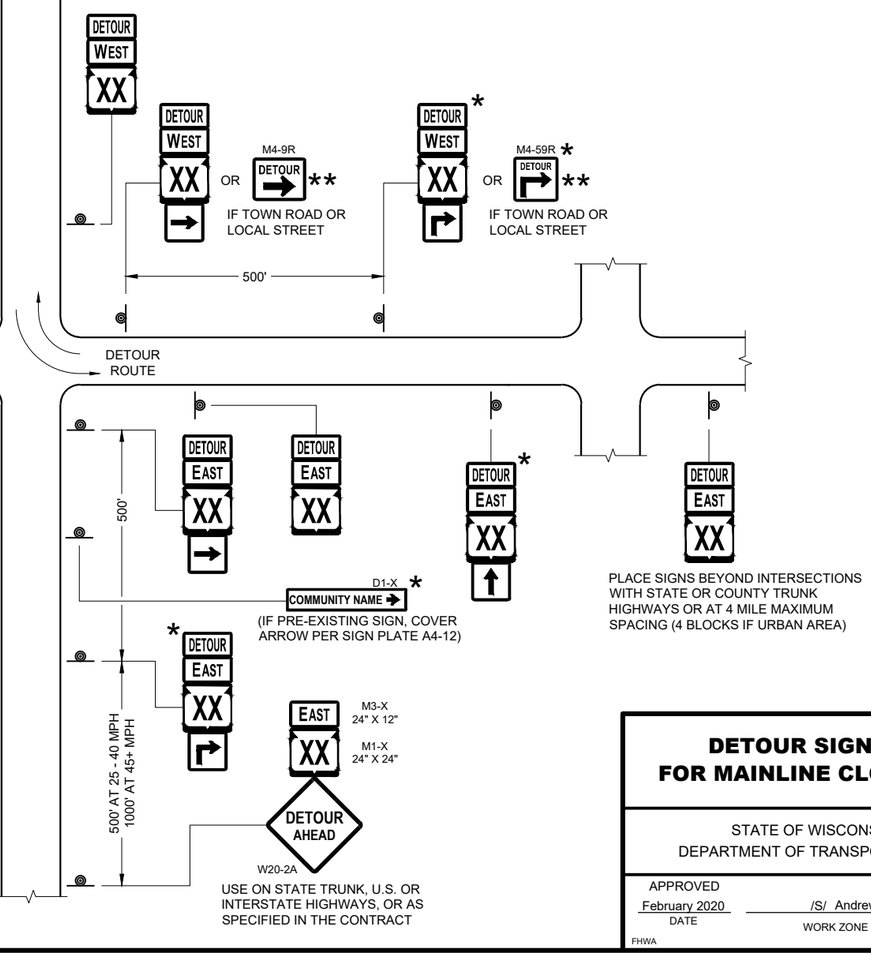
* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** 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.



MATCH POINT





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

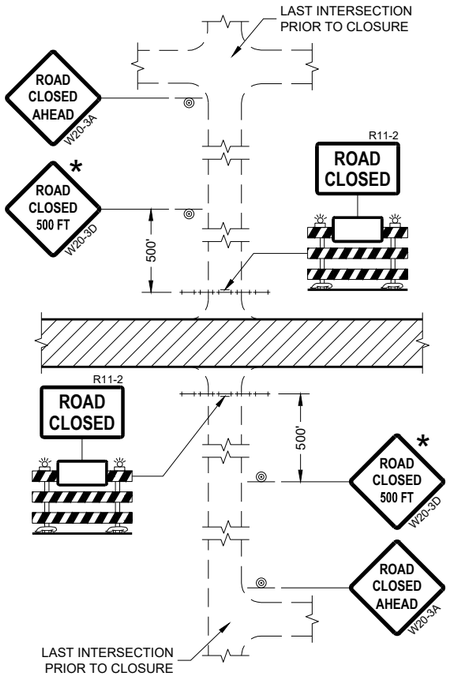
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

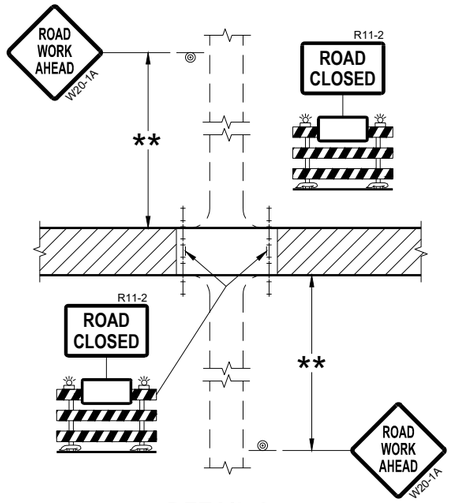
SDD 15C02 - 08c

SDD 15C02 - 08c

6



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.

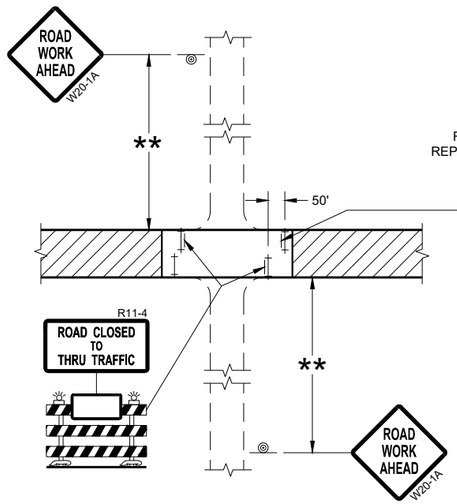
TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

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.

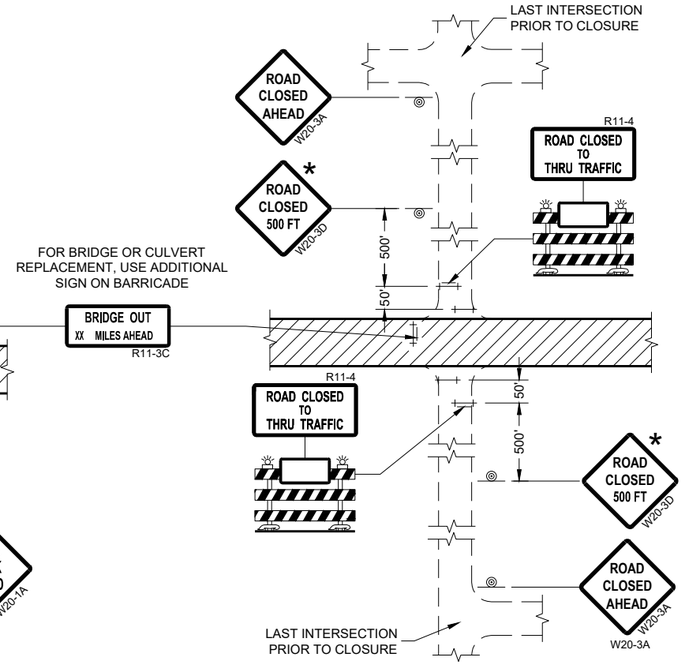
ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* 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 ENGINEE

FHWA

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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.

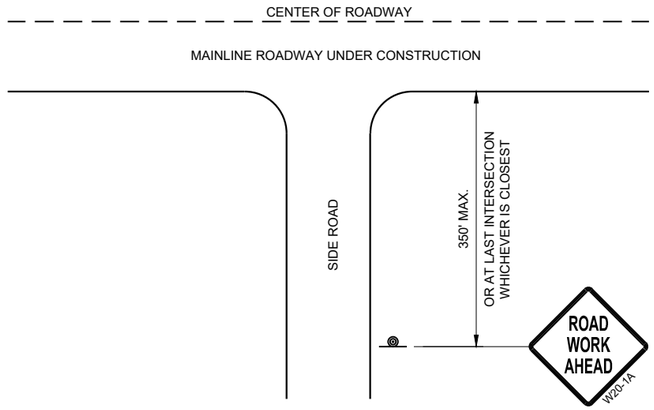
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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.



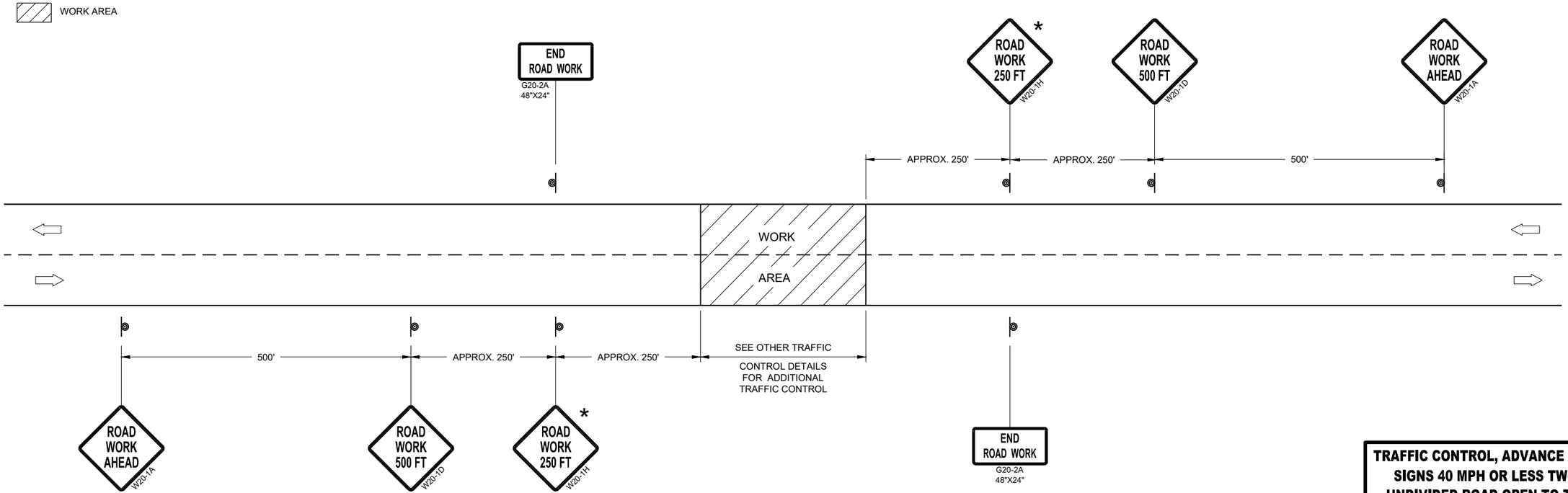
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

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

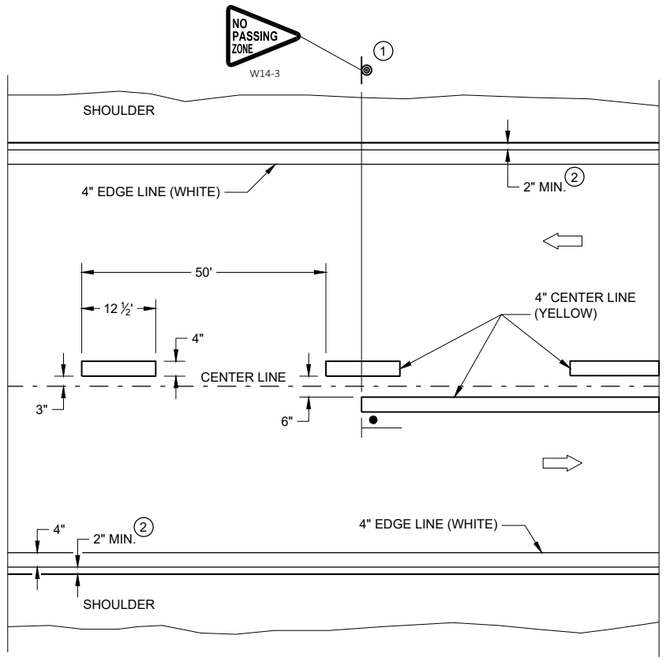
APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

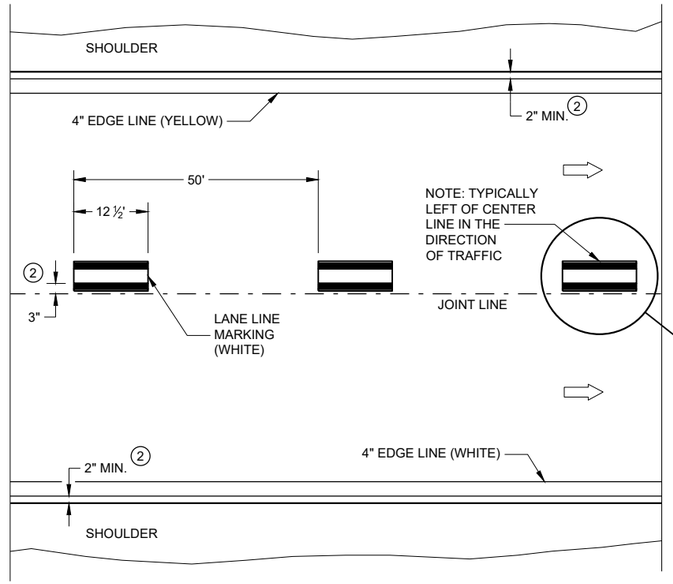
FHWA

6

SDD 15C05 - 05

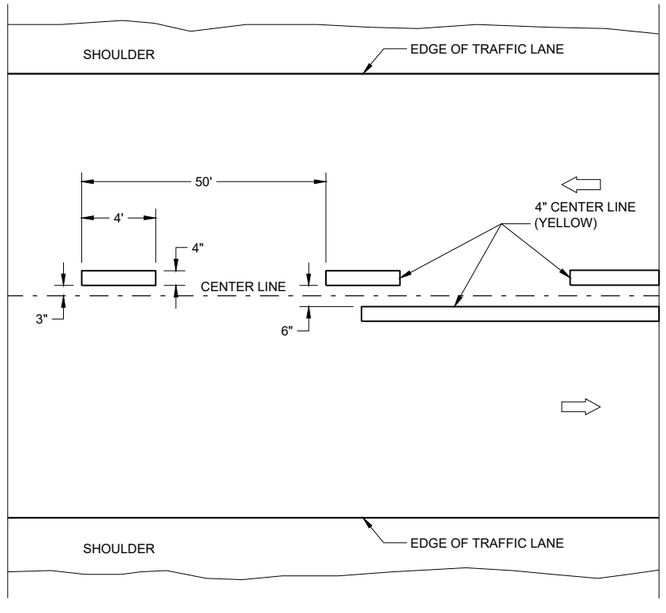


TWO WAY TRAFFIC

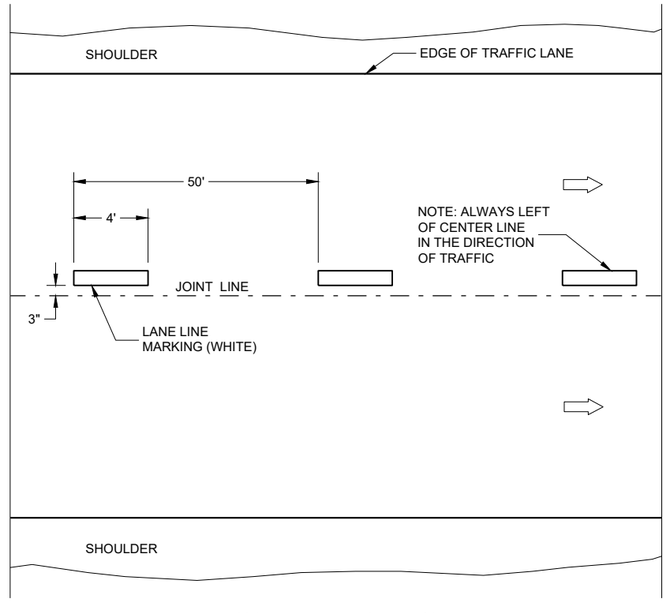


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

GENERAL NOTES

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

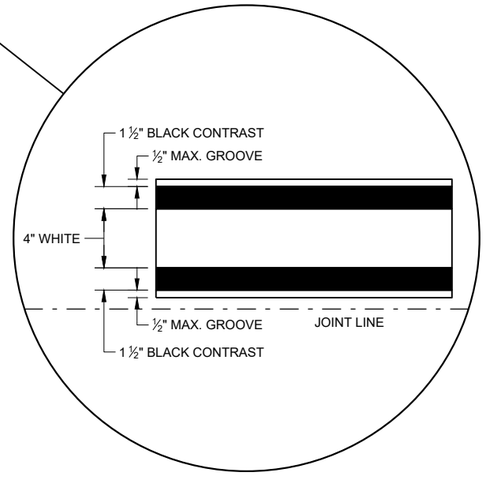
1. LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING
2. MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



LONGITUDINAL MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA

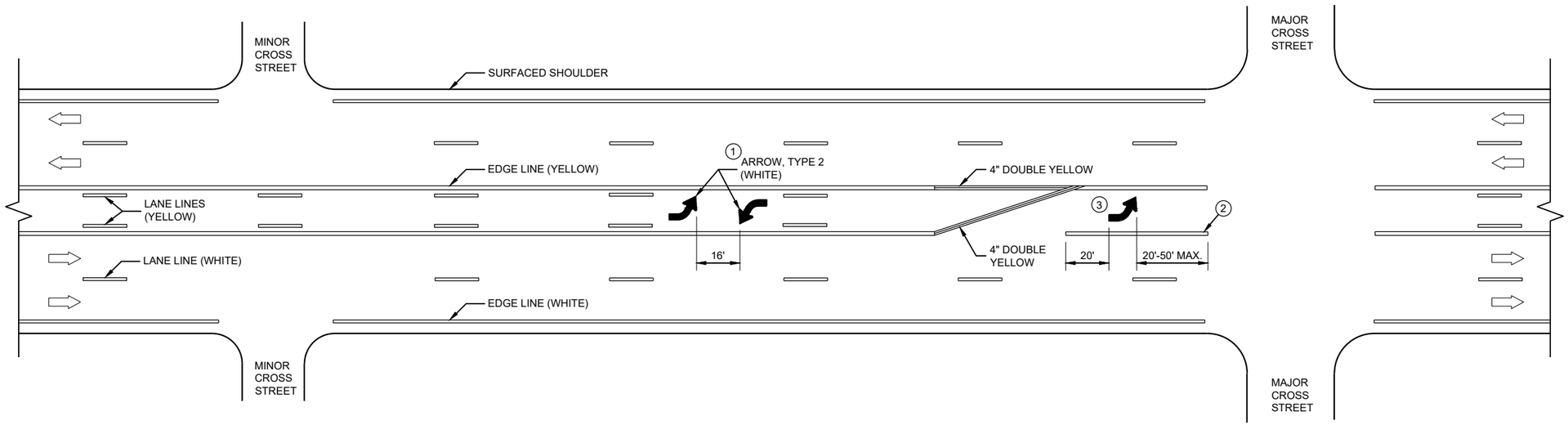
SDD 15C08 - 20a

SDD 15C08 - 20a

GENERAL NOTES

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

DIRECTION OF TRAFFIC



TWO WAY LEFT TURN LANE

6

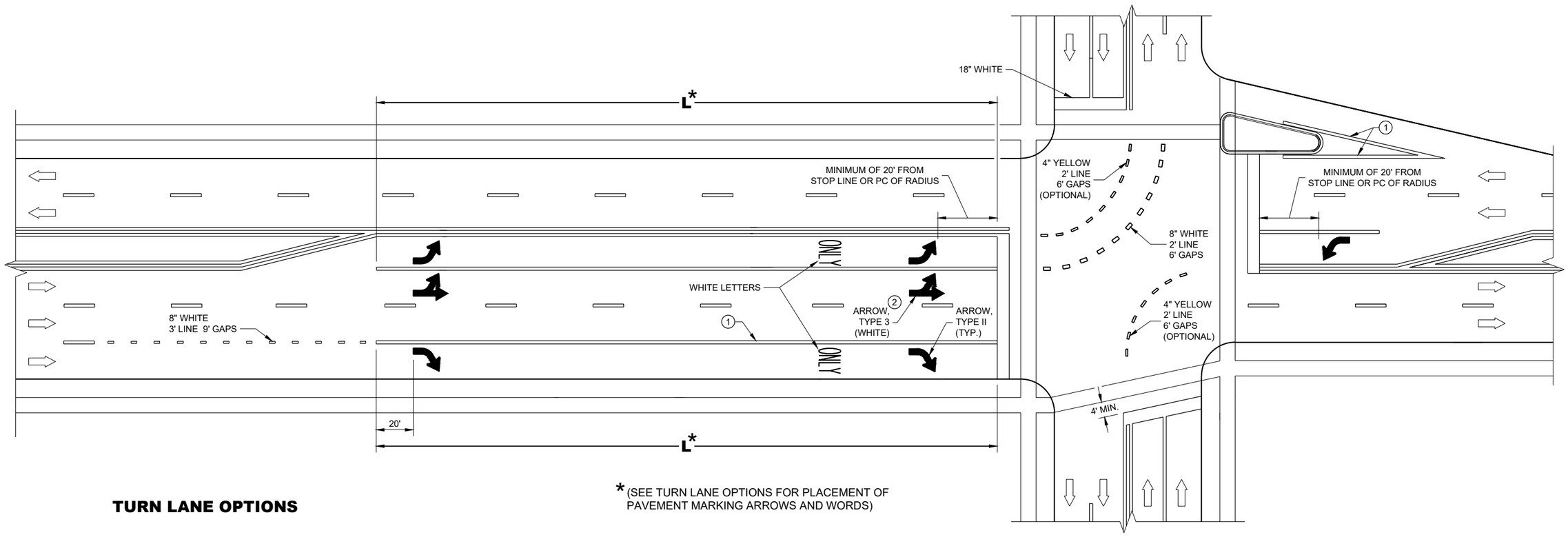
6

SDD 15C08 - 20b

SDD 15C08 - 20b

PAVEMENT MARKING (TURN LANES)

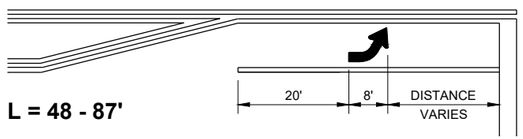
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



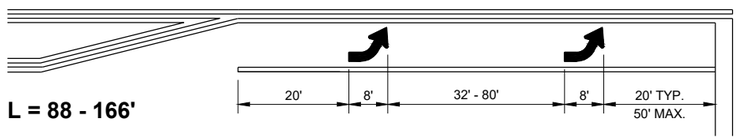
* (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

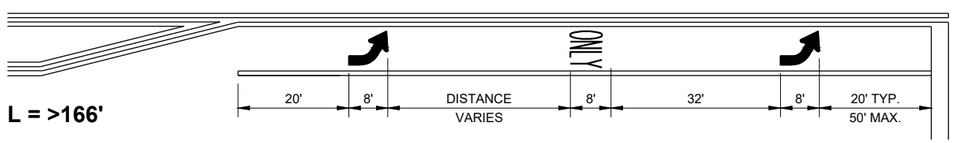
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



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

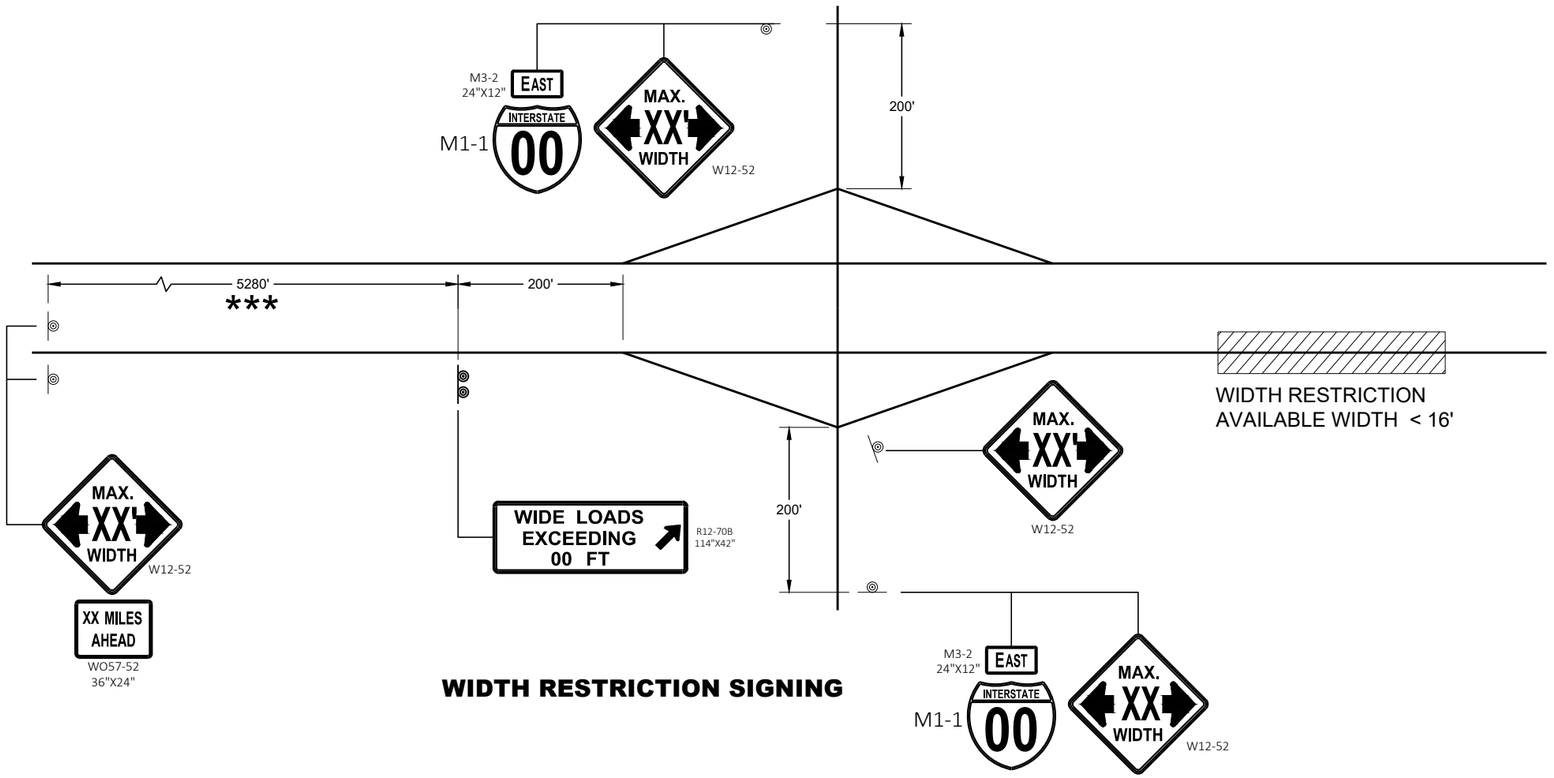
L = LENGTH OF TURN BAY

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 15C08 - 20c

6
SDD 15C08 - 20c



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.

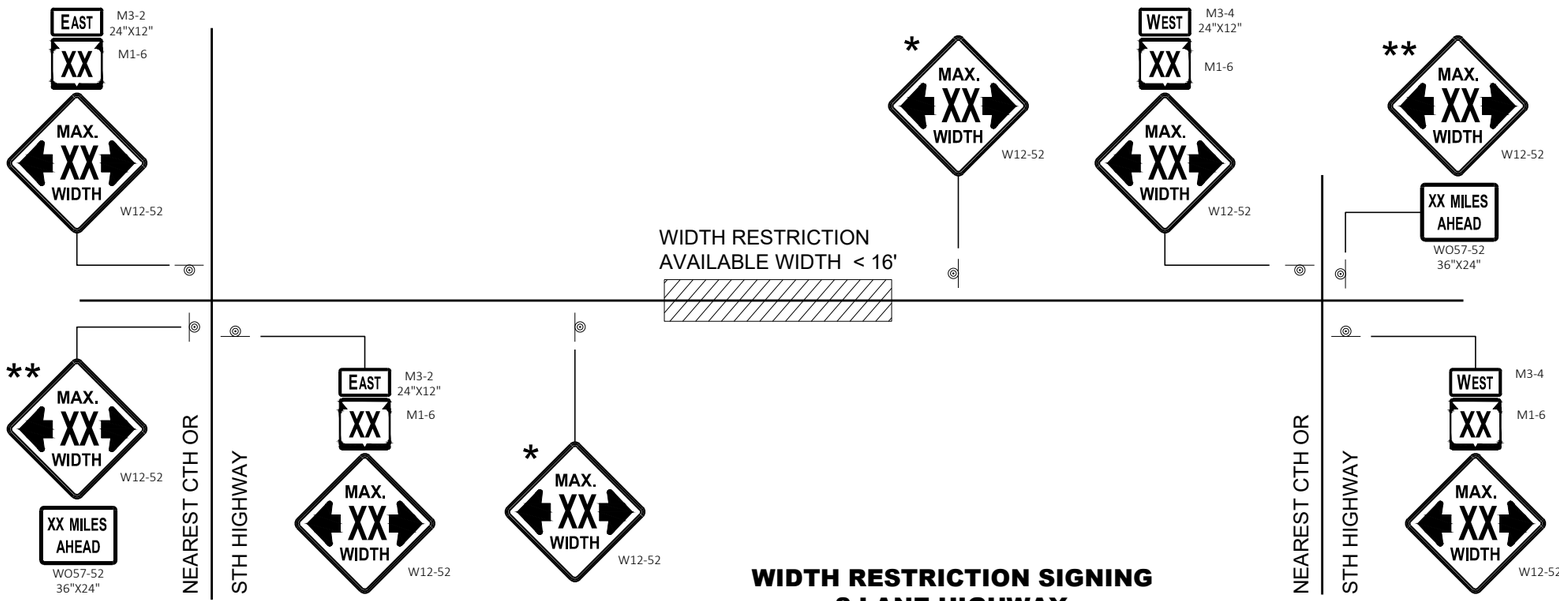
* PLACE 500 FEET AFTER THE W20 - 1A AND 500 FEET BEFORE ADDITIONAL SIGNS FOR ROADWAYS WITH A PRE - CONSTRUCTION SPEED LIMIT OF 45 MPH OR MORE. FOR 35-40 MPH, USE 350 FOOT TYPICAL SPACING. FOR 25-30 MPH, USE 200 FOOT TYPICAL SPACING.

** 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

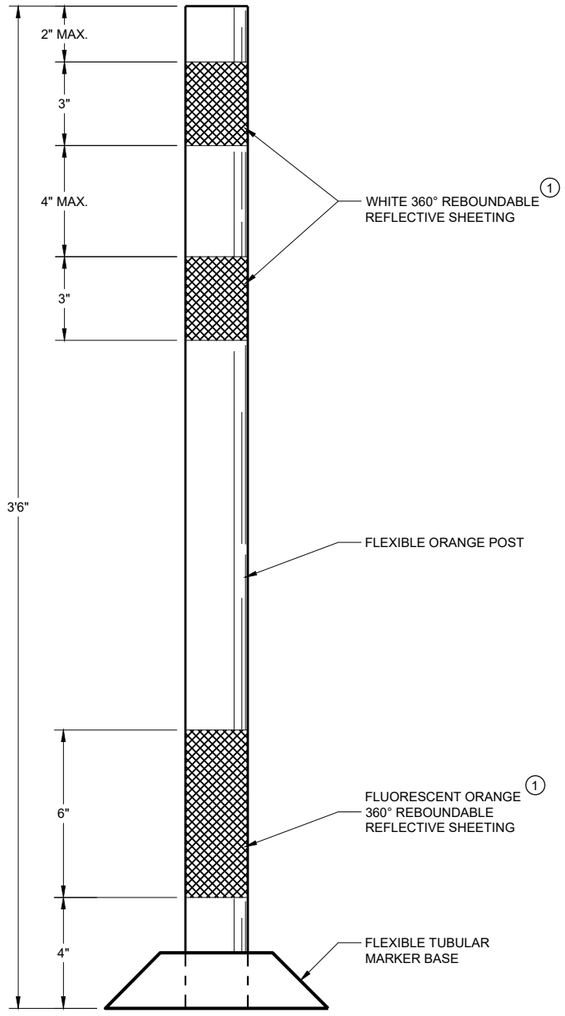
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6
SDD 15C02 - 08f



FLEXIBLE TUBULAR MARKER POST WORK ZONE

GENERAL NOTES

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

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

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

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

6

CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

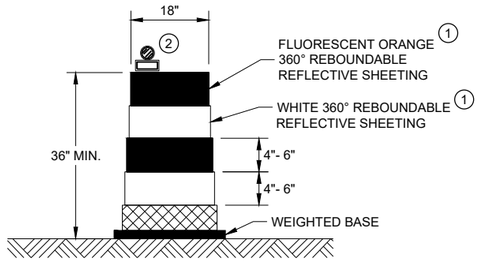
APPROVED
May 2021 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

SDD 15C11 - 09a

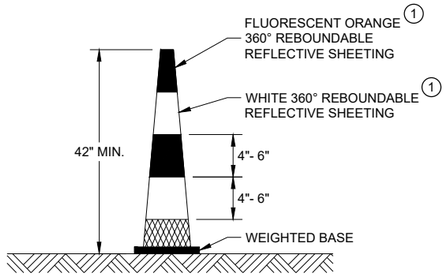
SDD 15C11 - 09a

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.

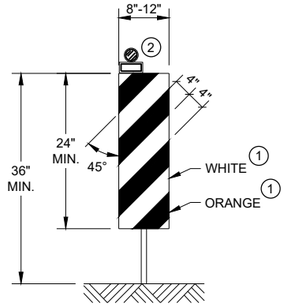


DRUM



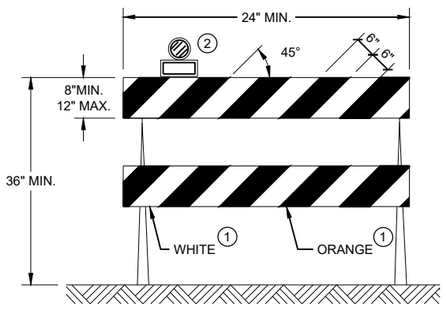
42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS



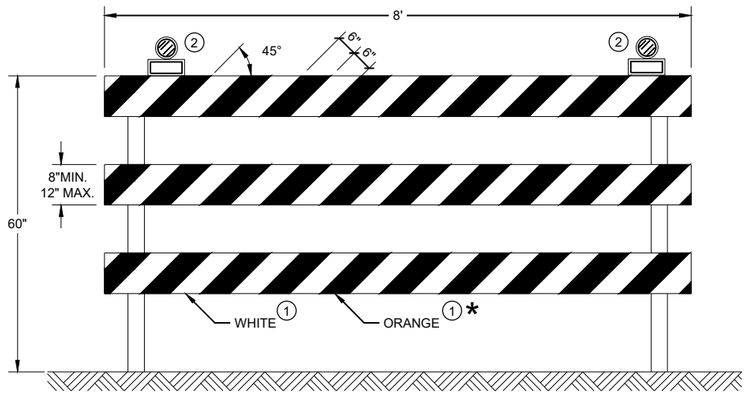
VERTICAL PANEL

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 ENGINEER
FHWA

6

SDD15C11 - 09b

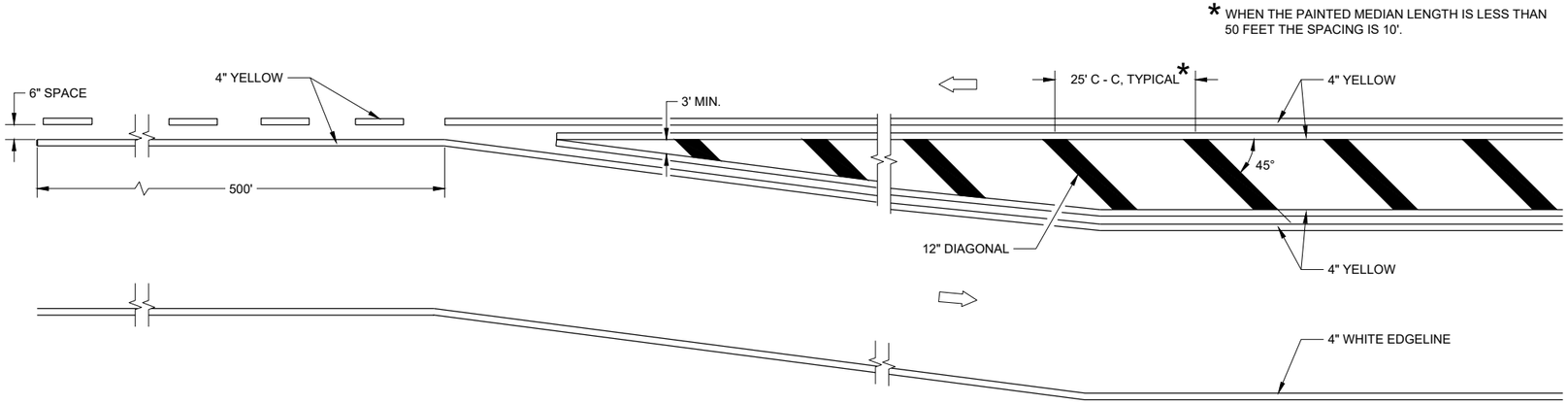
6

SDD15C11 - 09b

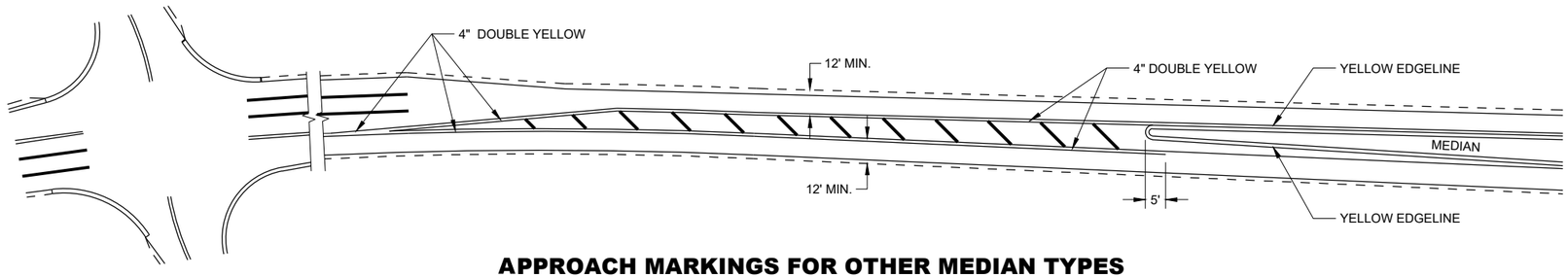
GENERAL NOTES

DIAGONALS ARE OPTIONAL WHEN PAINED ISLAND IS LESS THAN 6 FEET AT WIDEST POINT.

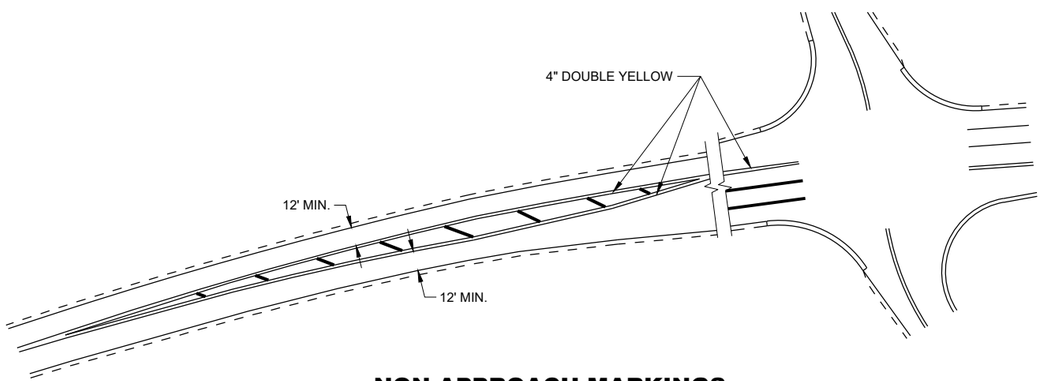
⇨ DIRECTION OF TRAVEL



MEDIAN ISLAND DETAIL



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

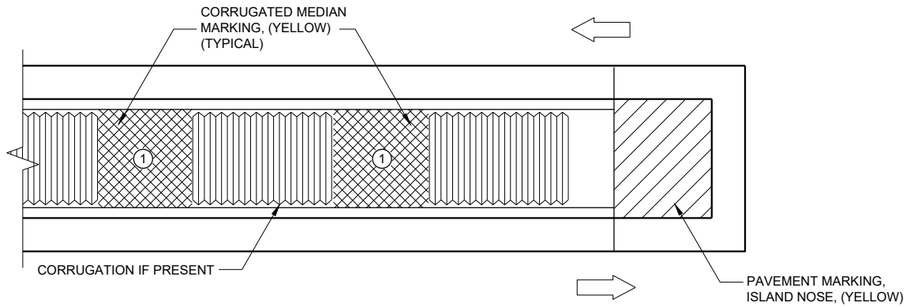
FHWA

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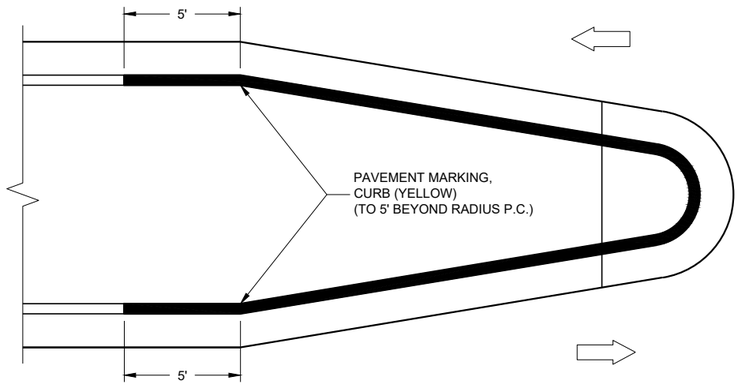
SDD 15C18 - 05a

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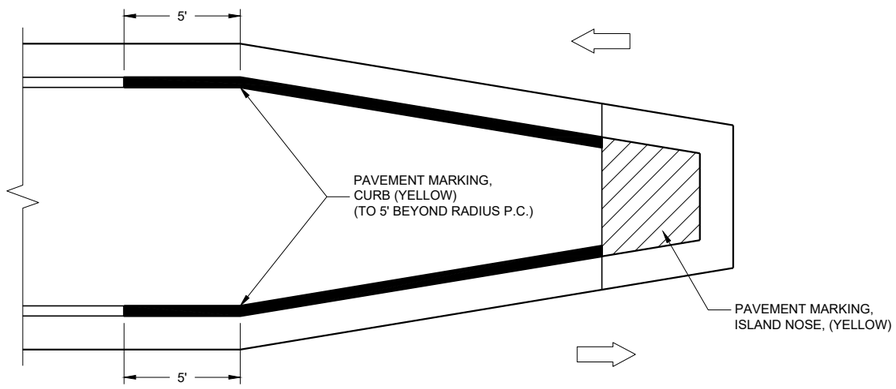
SDD 15C18 - 05a



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 MAF ENGINEER

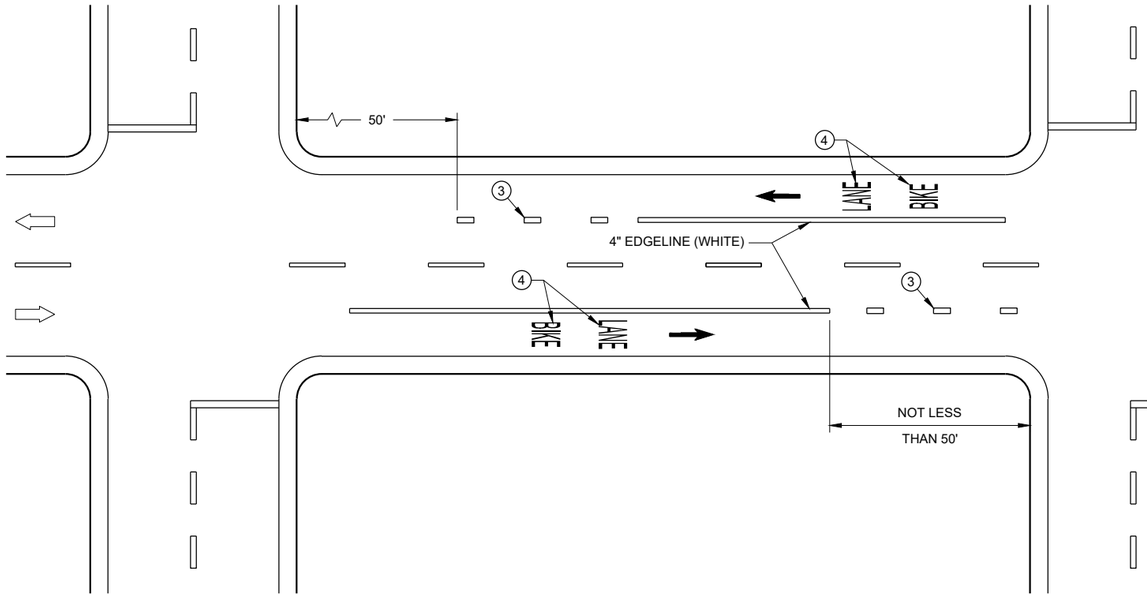
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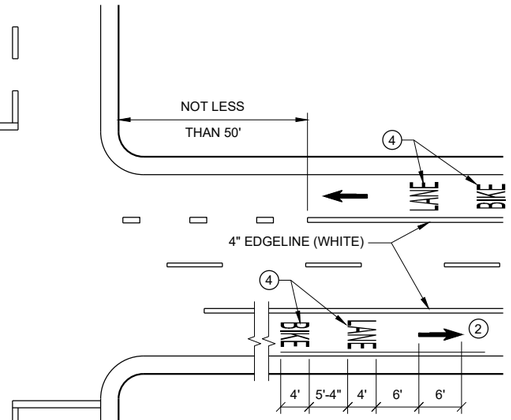
SDD 15C18 - 05b

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SDD15C18 - 05b



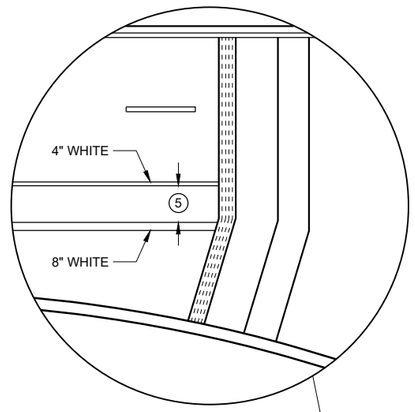
DESIGNATED BIKE LANE - NO PARKING



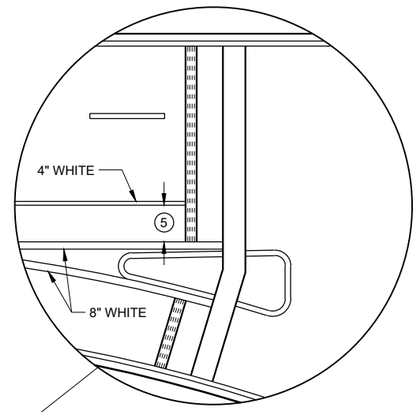
GENERAL NOTES

1. DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
2. MINIMUM OF ONE PER BLOCK. MAXIMUM OF 250 FEET.
3. DOTTED LINES (3' LINE, 9' GAP) SHOULD BE USED 50 FEET TO 200 FEET IN ADVANCE OF AN INTERSECTION WHERE THERE IS NO RIGHT TURN ONLY LANE AND THERE IS HEAVY RIGHT TURN TRAFFIC OR THERE IS A NEAR-SIDE BUS STOP. AT OTHER INTERSECTIONS WHERE RIGHT TURN TRAFFIC IS LIGHT TO MODERATE, A SOLID LINE CAN BE USED UP TO THE INTERSECTION.
4. BIKE SYMBOLS OR WORDS MAY BE USED.
5. BIKE ACCOMMODATION IS TYPICAL 5 FEET WIDE AND MINIMUM OF 4 FEET FROM A LONGITUDINAL JOINT. USE 5 FEET AT ≥ 45 MPH.
6. OMIT THESE MARKINGS FOR WIDER TURN LANE APPLICATIONS (MINIMUM OF 15 FOOT WIDE TURN LANE).
7. REFER TO CONTRACT PLANS FOR LANE WIDTH.

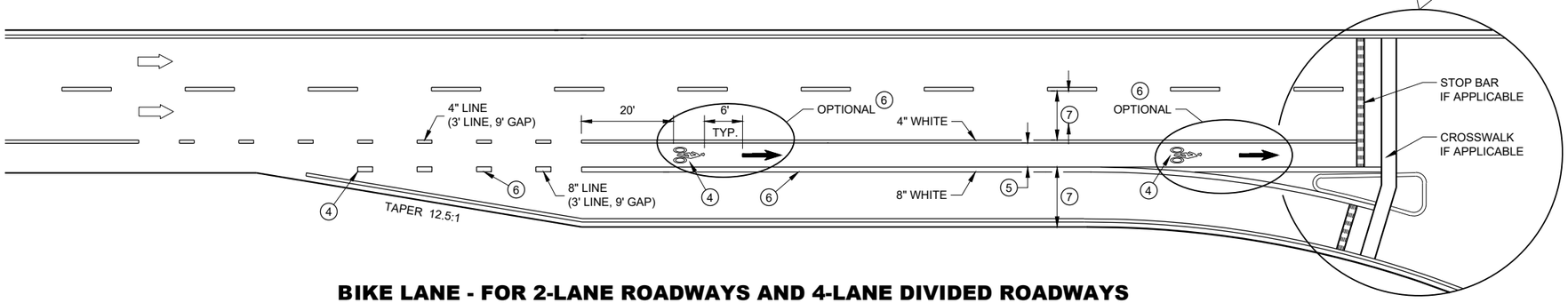
DIRECTION OF TRAVEL



4 LANE DIVIDED WITHOUT ISLAND



4 LANE DIVIDED WITH ISLAND



BIKE LANE - FOR 2-LANE ROADWAYS AND 4-LANE DIVIDED ROADWAYS
(4-LANE DIVIDED WITH RIGHT TURN LANE SHOWN)

BIKE LANE MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

May 2020
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

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SDD 15C29 - 07a

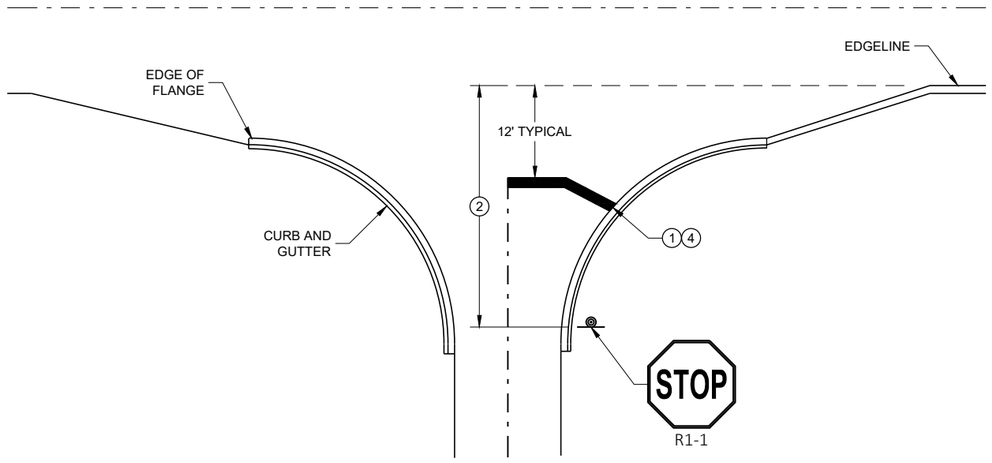
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SDD 15C29 - 07a

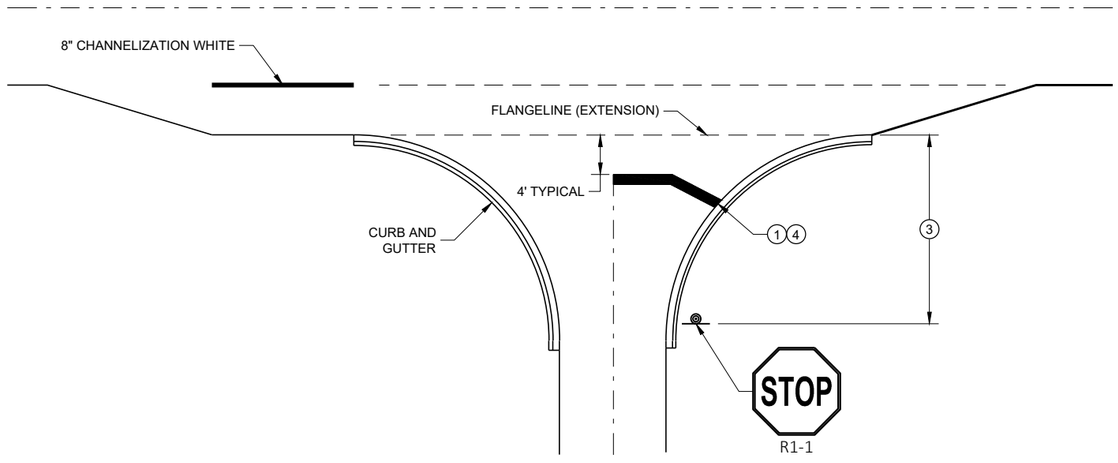
GENERAL NOTES

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

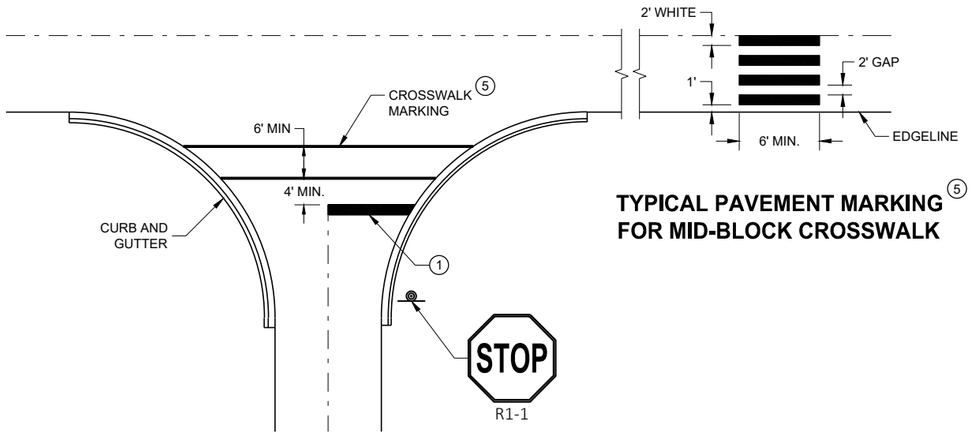
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE 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

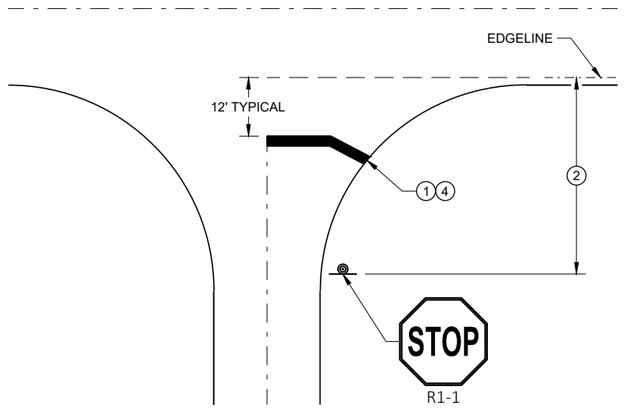


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



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

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- REMOVE PAVEMENT MARKING (SEE GENERAL NOTES)
- WORK AREA

GENERAL NOTES

FOR WORK ON ROADWAYS WITH SPEEDS GREATER THAN 45MPH, USE SDD 15D12.

THIS LANE CLOSURE DETAIL IS TYPICAL FOR CLOSING THE LEFT LANE. FOR A RIGHT LANE CLOSURE, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

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

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON TEMPORARY SUPPORTS.

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

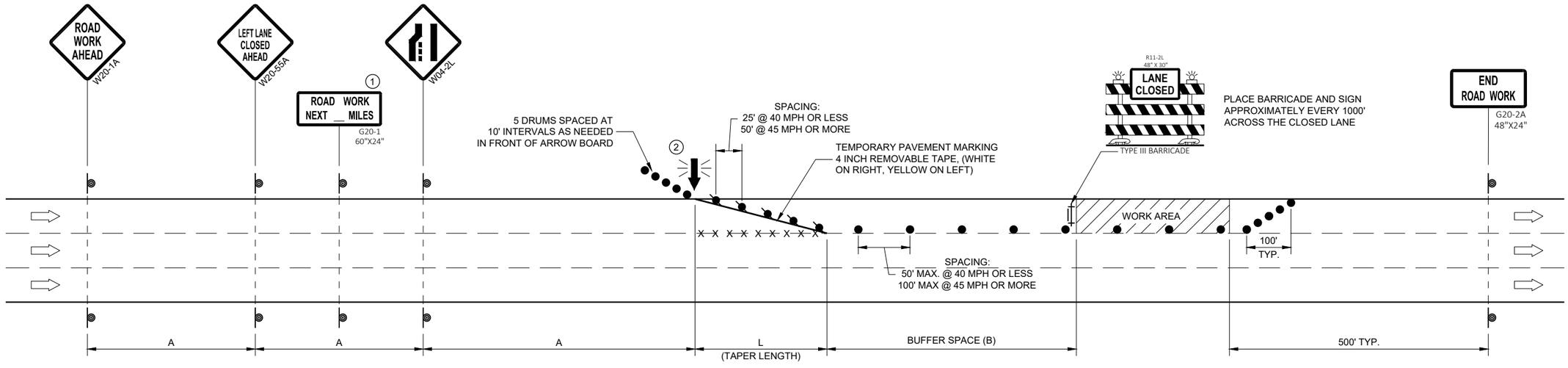
BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

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

(1) OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

(2) WHERE THE SHOULDER OR TERRACE HAS INSUFFICIENT SPACE TO PLACE THE ARROW BOARD AS SHOWN, PLACE THE ARROW BOARD AT THE END OF THE TAPER.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'

TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020 — DATE
/S/ Andrew Heidtke — STATEWIDE WORK ZONE T SAFETY ENGINEER
FHWA

6

SDD 15D20 - 05a

6

SDD15D20 - 05a

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- REMOVE PAVEMENT MARKING (SEE GENERAL NOTES)
- WORK AREA



GENERAL NOTES

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

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

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REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

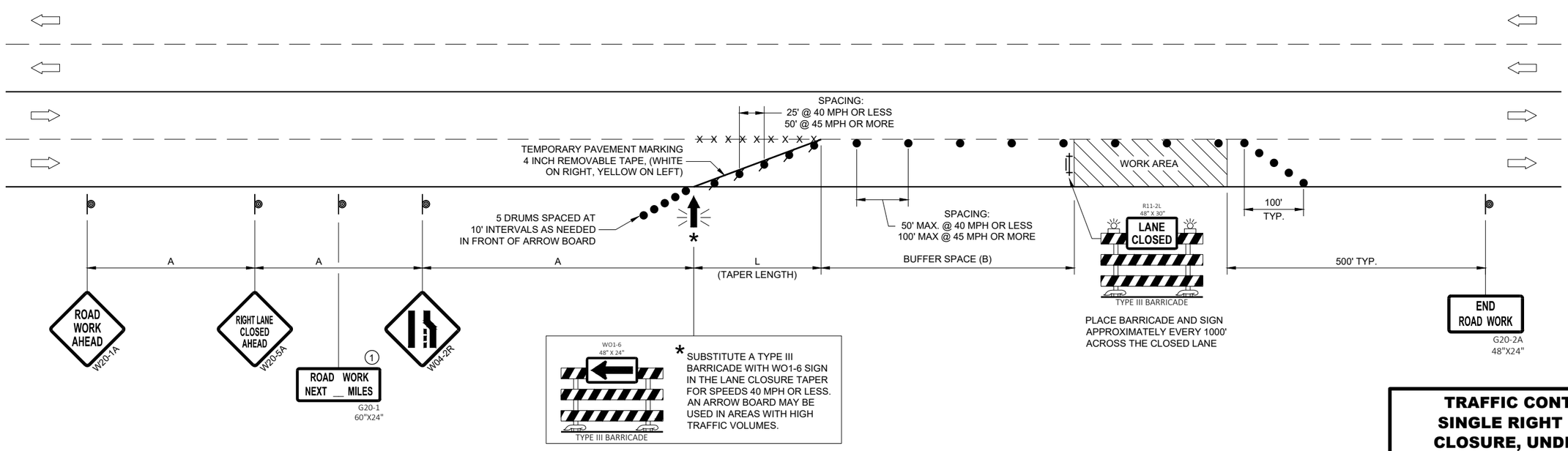
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30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'
50	500'	600'	280'
55	500'	660'	335'





TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020 — DATE
/S/ Andrew Heidtke — STATEWIDE WORK ZONE T SAFETY ENGINEER
FHWA

SDD 15D20 - 05b

SDD 15D20 - 05b

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- REMOVE PAVEMENT MARKING (SEE GENERAL NOTES)
- WORK AREA

GENERAL NOTES

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

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

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SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON TEMPORARY SUPPORTS.

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CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

DUE TO LACK OF SHOULDER/MEDIAN, ARROW BOARD IS PLACED AT THE THE END OF THE TAPER.

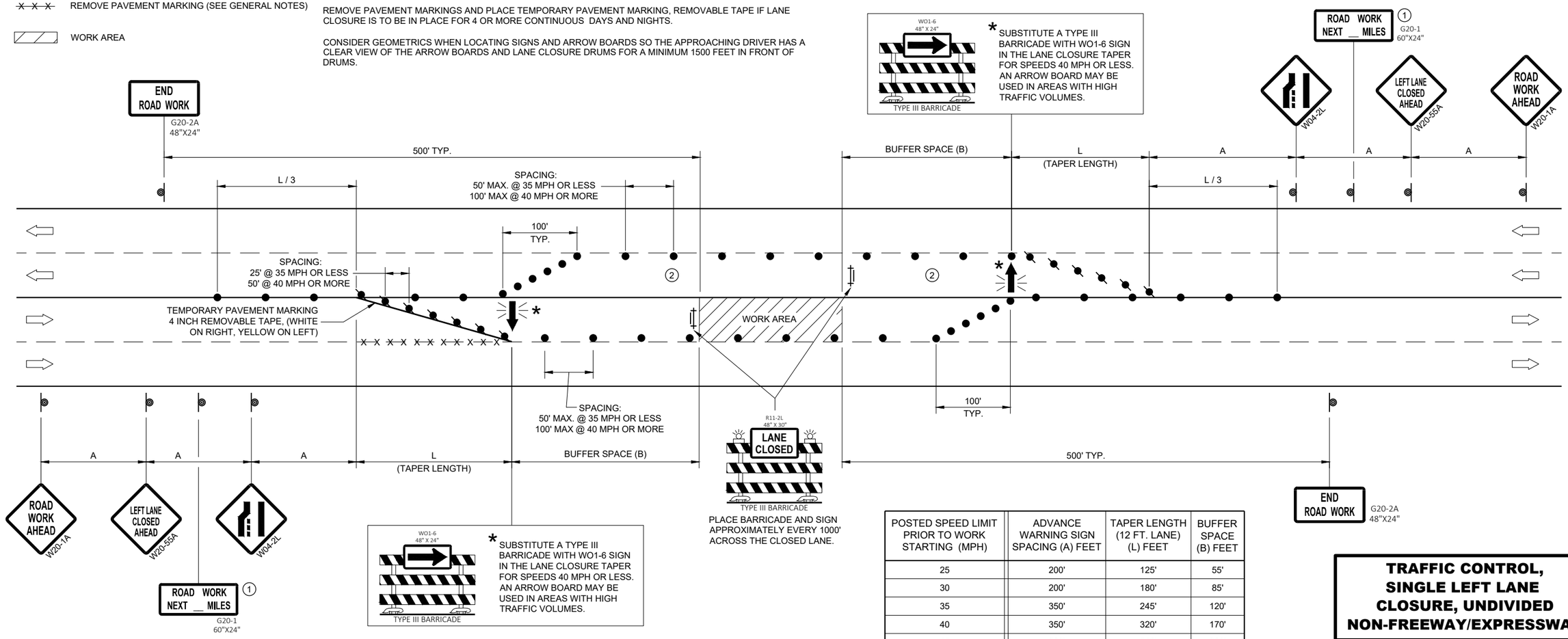
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CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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

(1) OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

(2) LANE MAY BE OPENED WHEN WORKERS ARE NOT PRESENT IN THE WORK AREA.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'
50	500'	600'	280'
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TRAFFIC CONTROL, SINGLE LEFT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020 — DATE
/S/ Andrew Heidtke — STATEWIDE WORK ZONE T SAFETY ENGINEER
FHWA

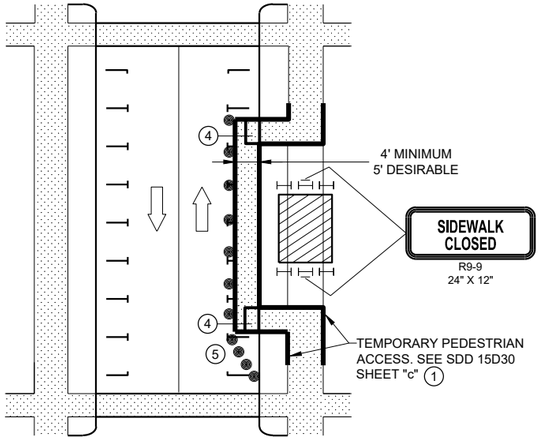
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SDD 15D20 - 05c

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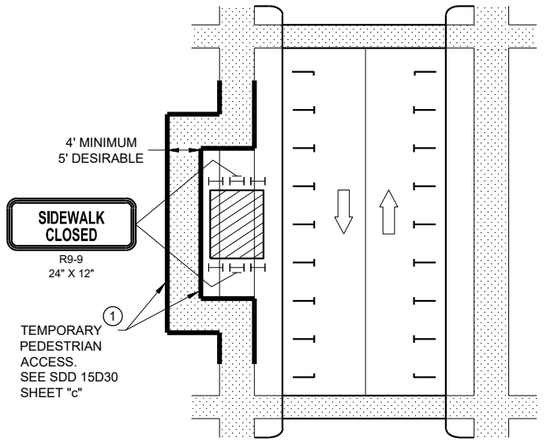
SDD 15D20 - 05c

NOTE: MAY BE USED ON ROADWAY WITH POSTED SPEED OF LESS THAN 40 MPH.

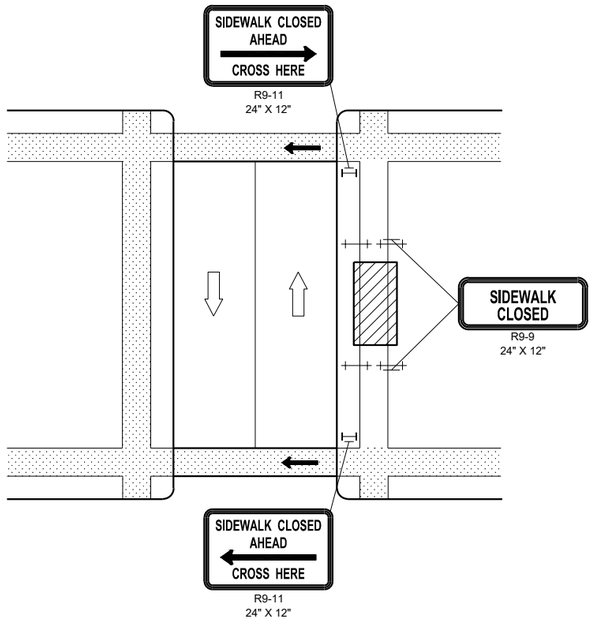


MID-BLOCK SIDEWALK CLOSURE IN PARKING LANE

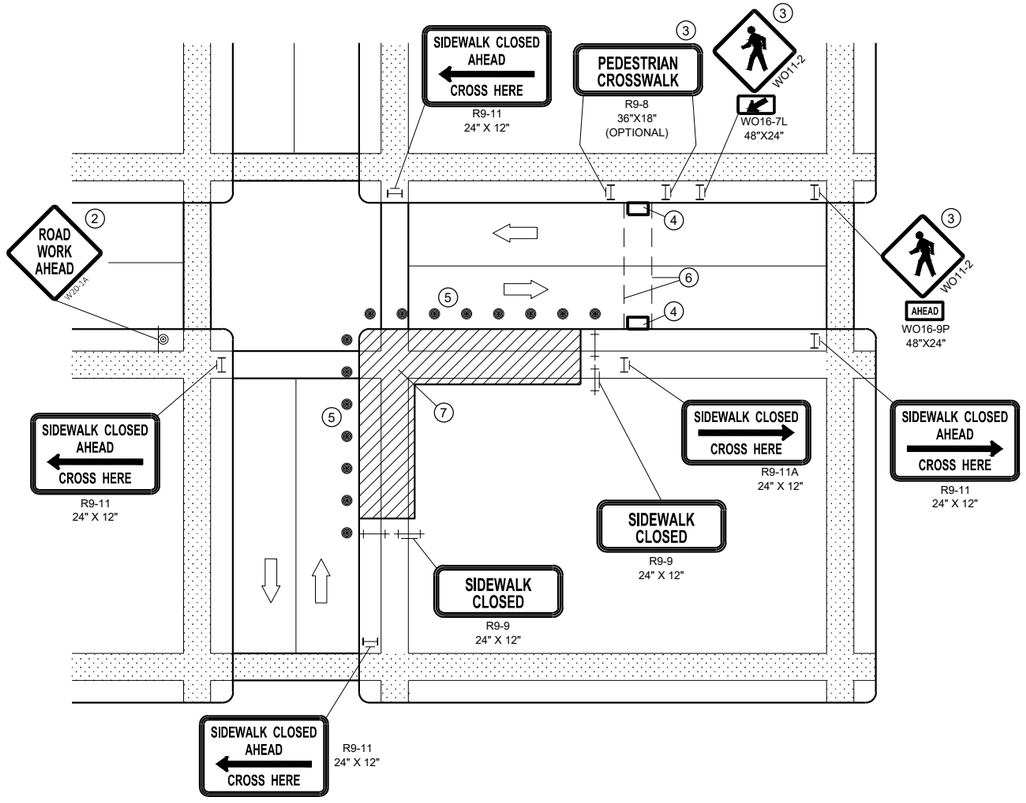
NOTE: LAYOUT SAME AS ABOVE.



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.

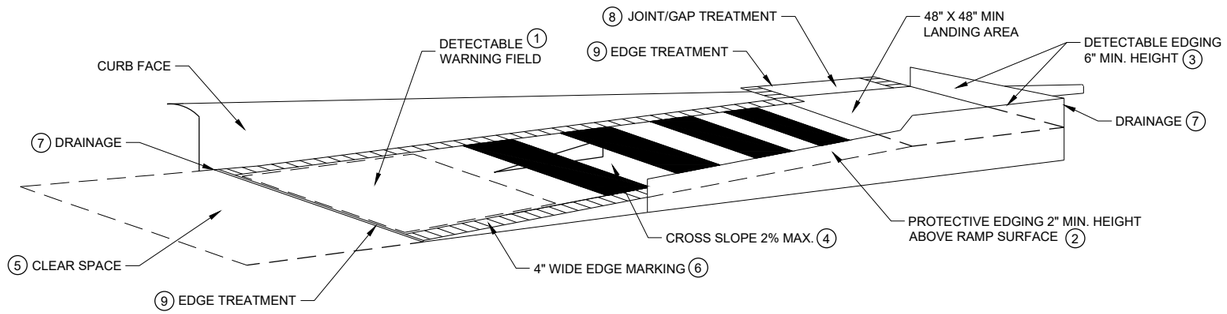
(6) TEMPORARY PAVEMENT MARKING FOR CROSSWALK LINES.

(7) LIMIT WORK TO ONE QUADRANT AT A TIME TO MINIMIZE PEDESTRIAN DISRUPTION.

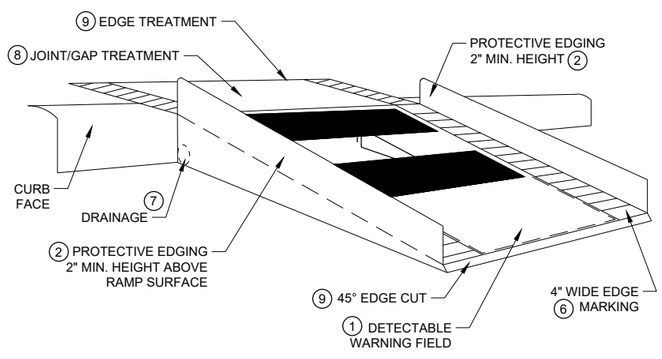
LEGEND

- 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

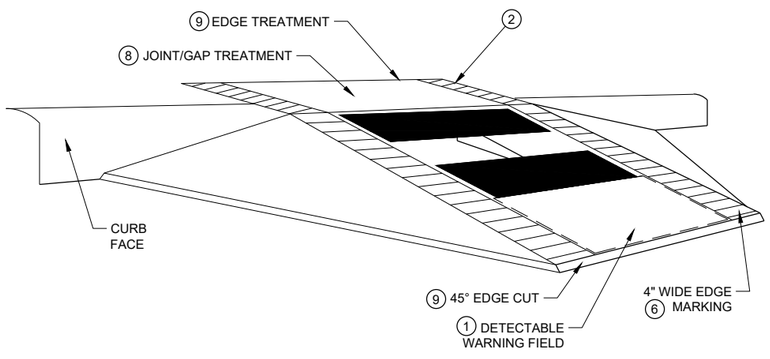
TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION



TEMPORARY CURB RAMP PARALLEL TO CURB



WITH PROTECTIVE EDGE



WITH SIDE APRON

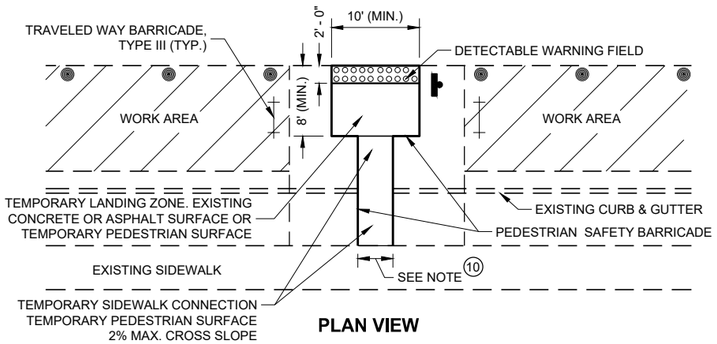
TEMPORARY CURB RAMP PERPENDICULAR TO CURB

GENERAL NOTES

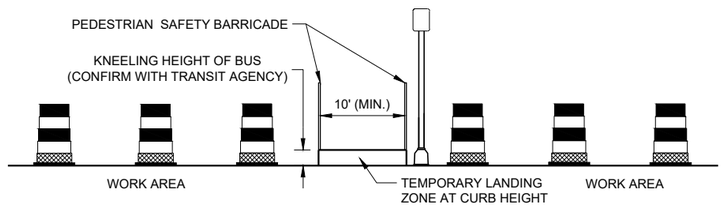
NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

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

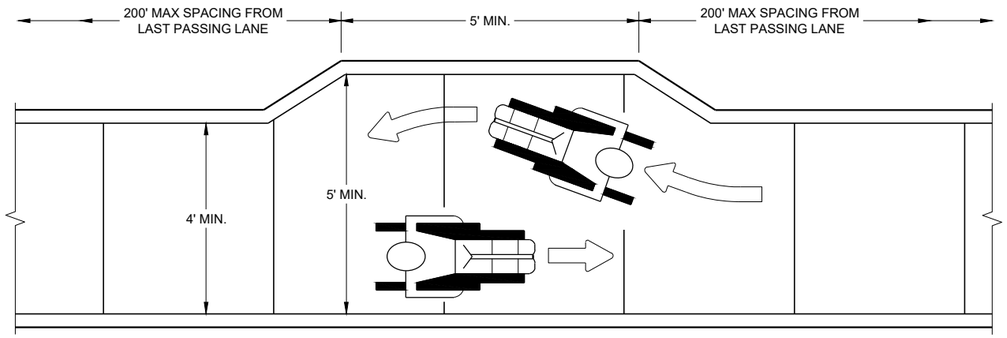
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

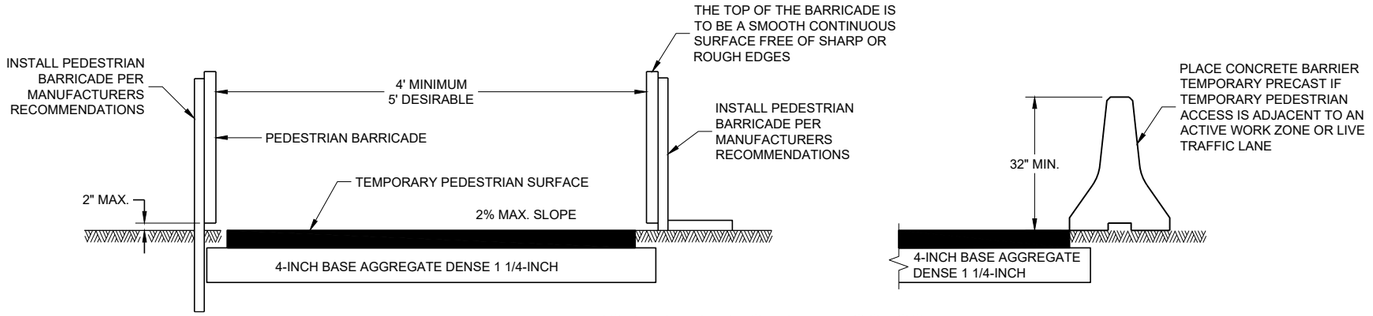
SDD 15D30 - 06b

6

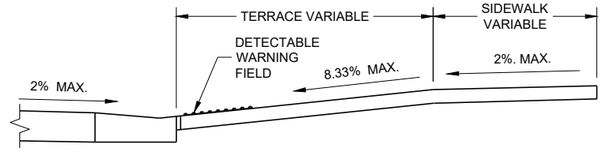
SDD 15D30 - 06b



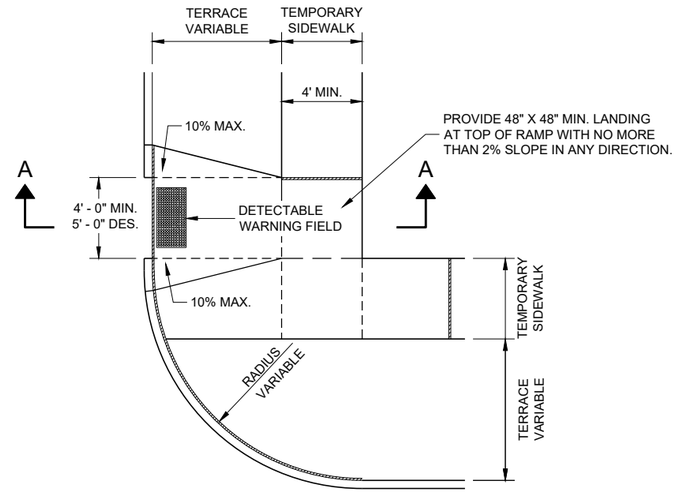
NARROW SIDEWALK PASSING DETAIL



TEMPORARY PEDESTRIAN ACCESS



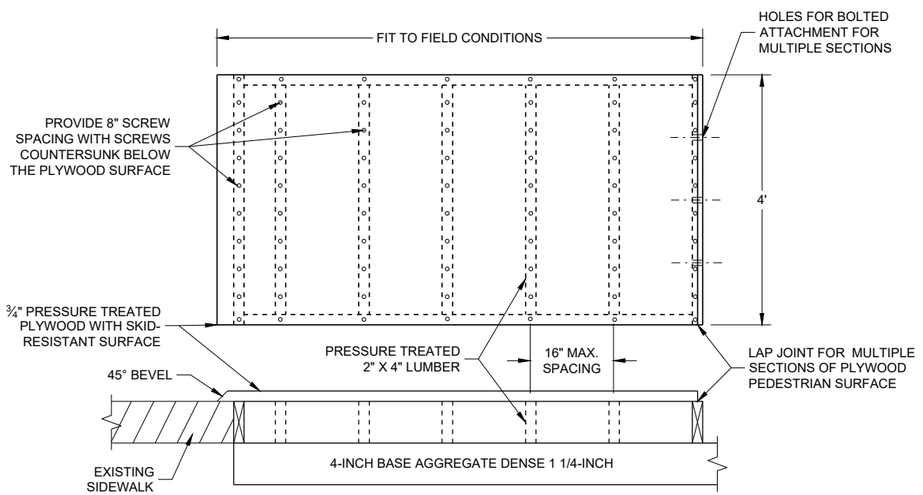
SECTION A - A



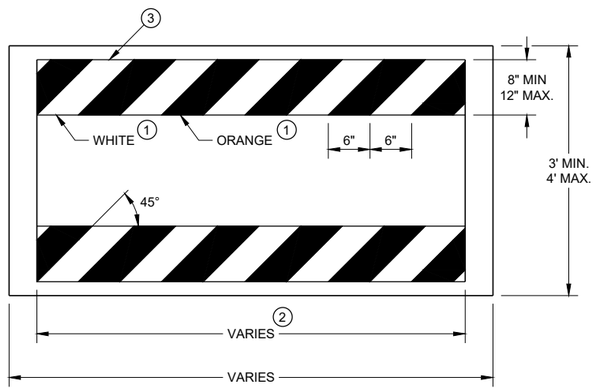
PLAN VIEW

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

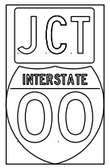
FHWA

SDD 15D30 - 06c

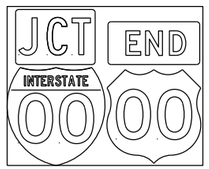
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SDD 15D30 - 06c

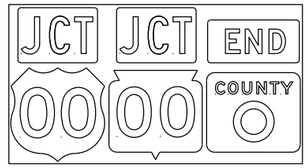
TYPICAL ASSEMBLIES



J1-1



J1-2



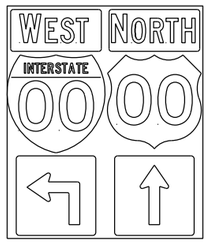
J1-3



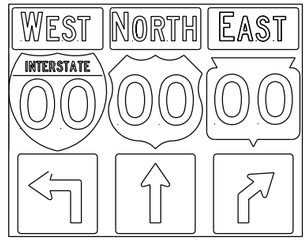
JR1-1



J2-1



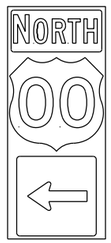
J2-2



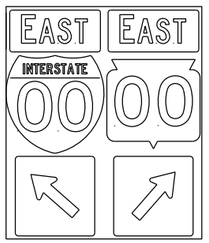
J2-3



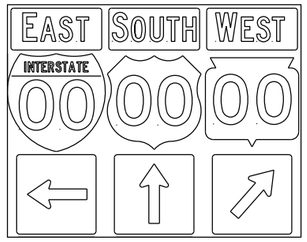
JV
(Typical Vertical J-Assembly
See Note 10 and 11)



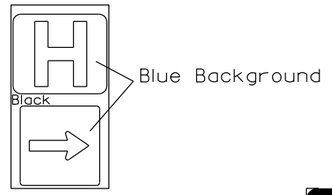
J3-1



J3-2



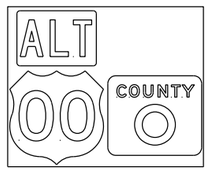
J3-3



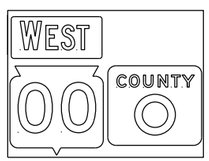
JH-1



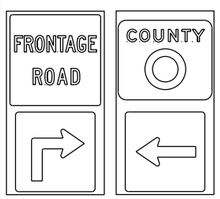
J4-1



J4-2

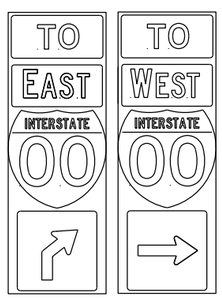


J4-2



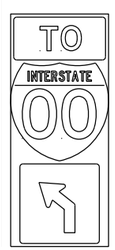
J12-1

J13-1

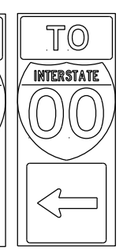


J32-1

J33-1



J22-1



J23-1



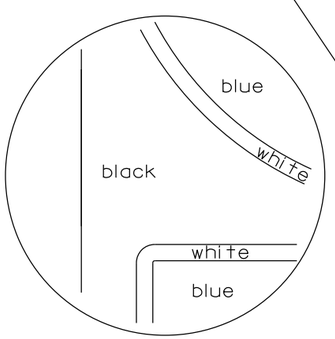
JR13-1

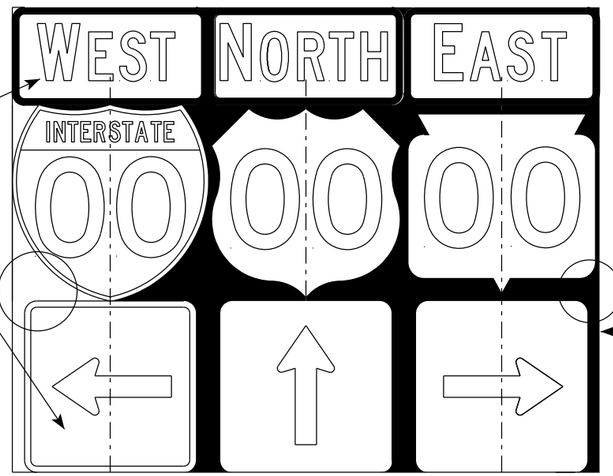


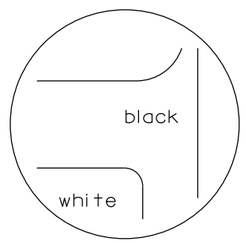
JR23-1



JR99-1







black background

NOTES

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

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

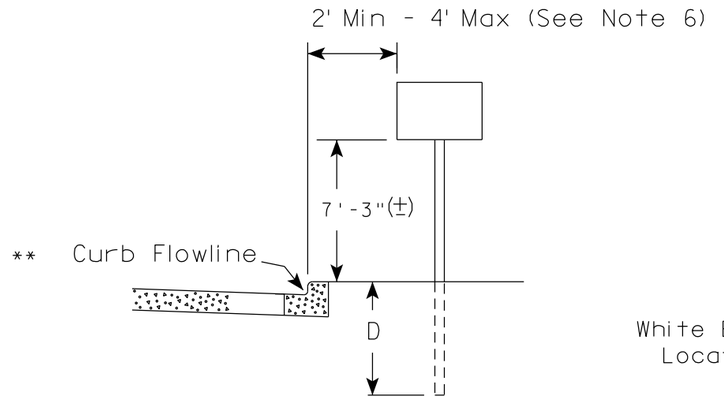
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/21 PLATE NO. A2-1S.9

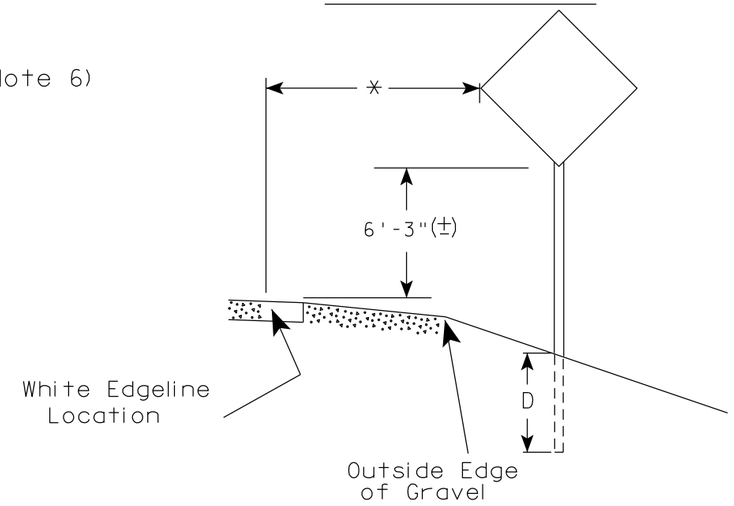
PROJECT NO:

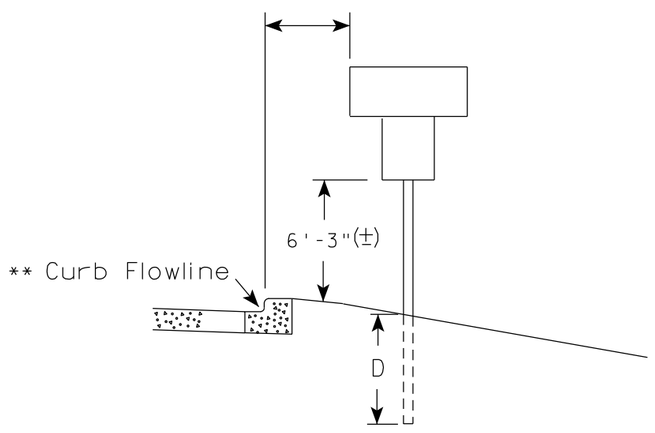
SHEET NO: 250 E

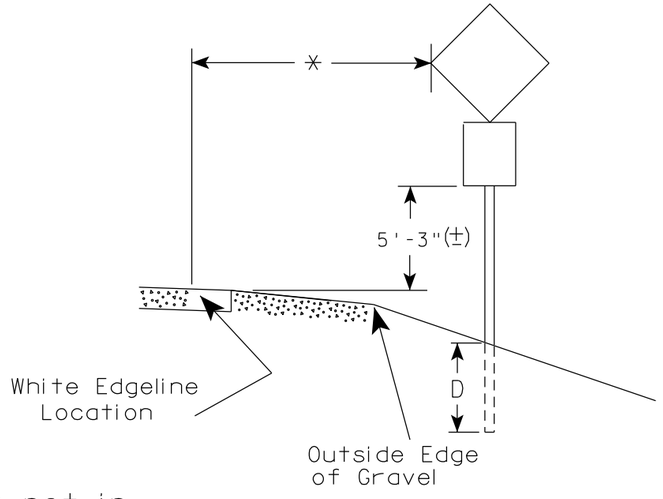
URBAN AREA



RURAL AREA (See Note 2)







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

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

POST EMBEDMENT DEPTH

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

GENERAL NOTES

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

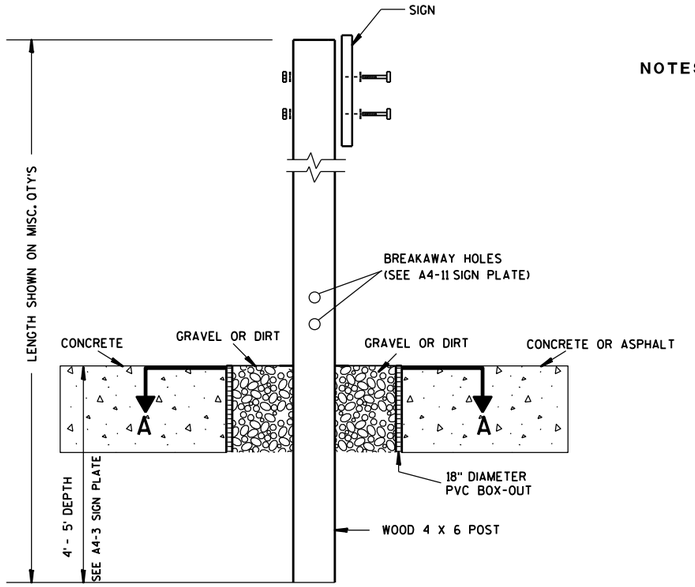
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

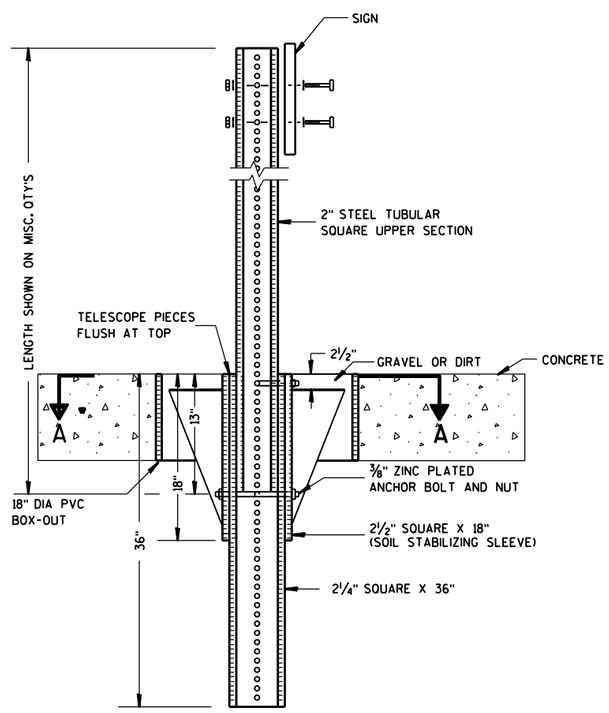
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 251	E



ELEVATION VIEW

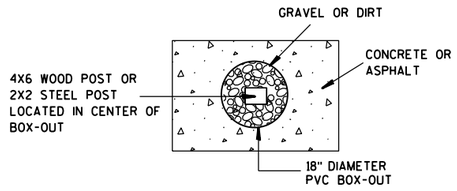
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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



ELEVATION VIEW

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



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

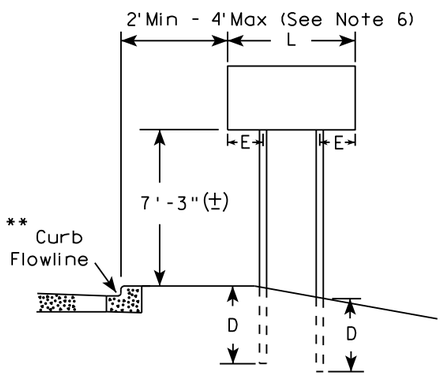
APPROVED Matthew R Rauch
for State Traffic Engineer

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

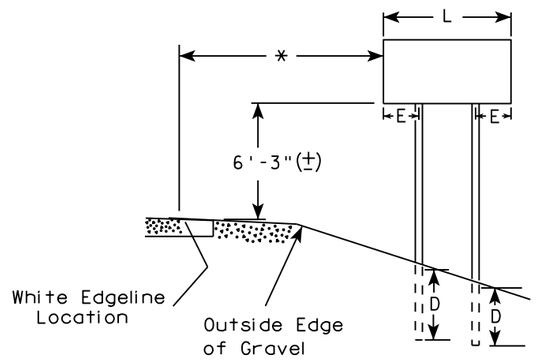
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

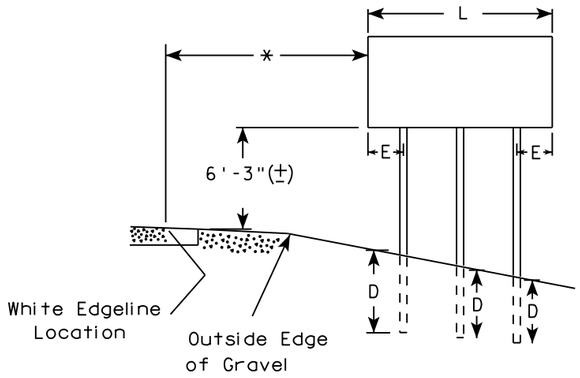
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

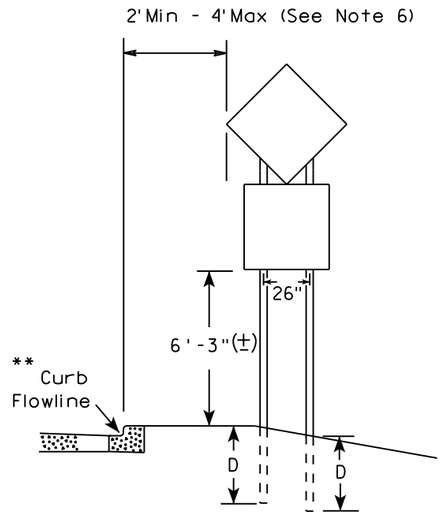
URBAN AREA



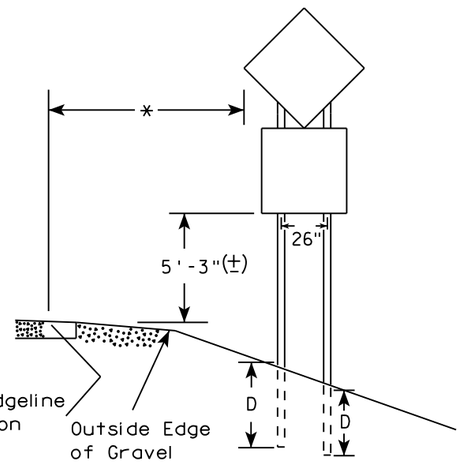
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

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

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

GENERAL NOTES

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

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

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

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

POST EMBEDMENT DEPTH

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

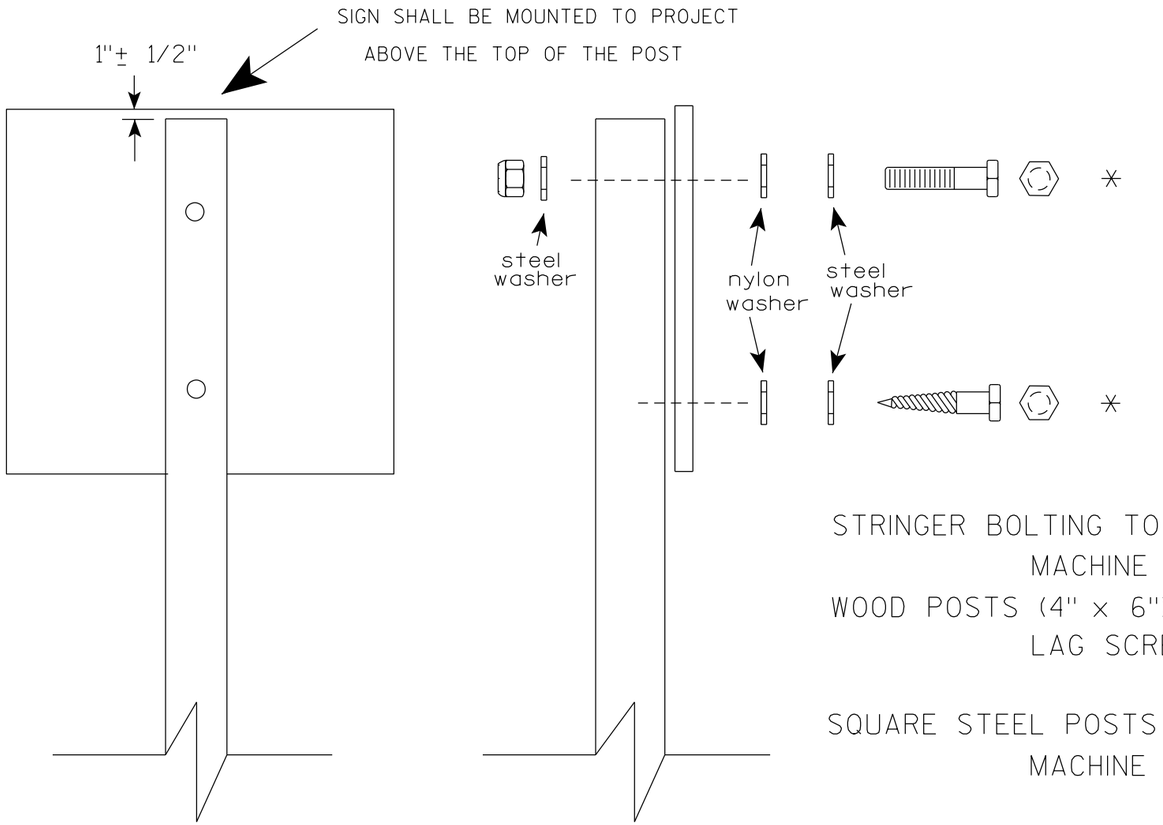
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 253	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

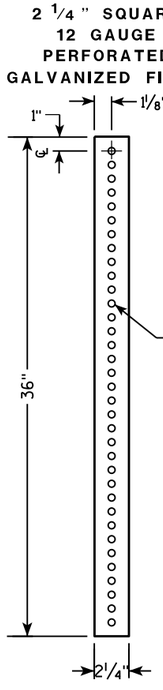
DATE 4/1/2020 PLATE NO. A4-8.9

PROJECT NO:

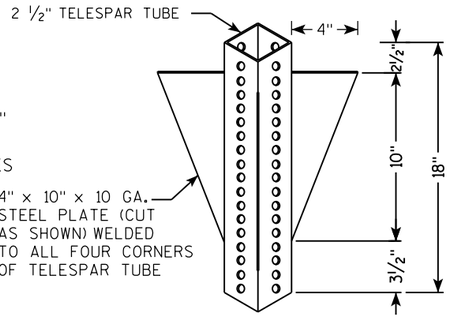
SHEET NO: 254 E

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

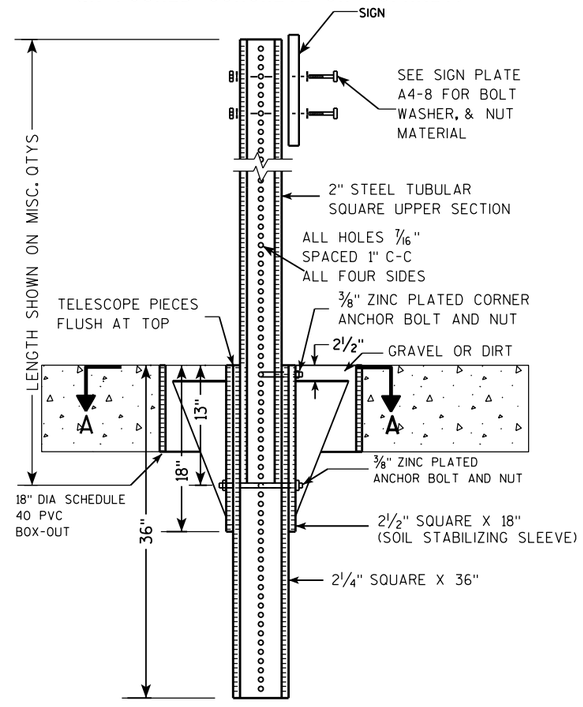
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



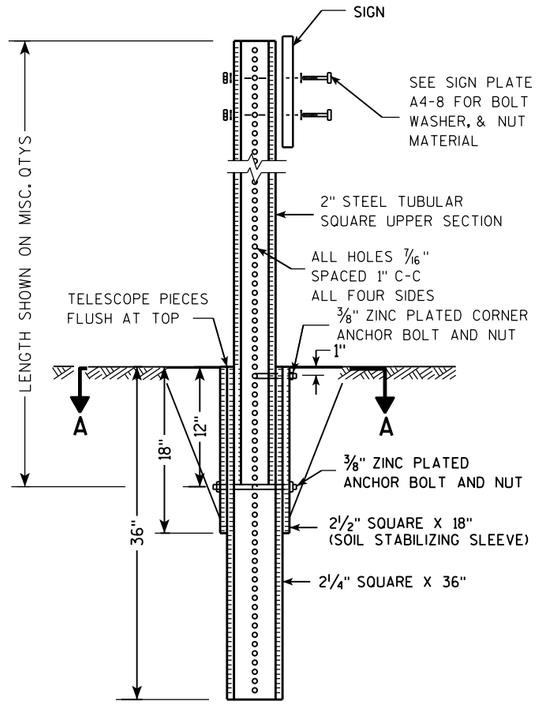
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

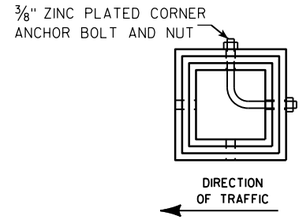


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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).

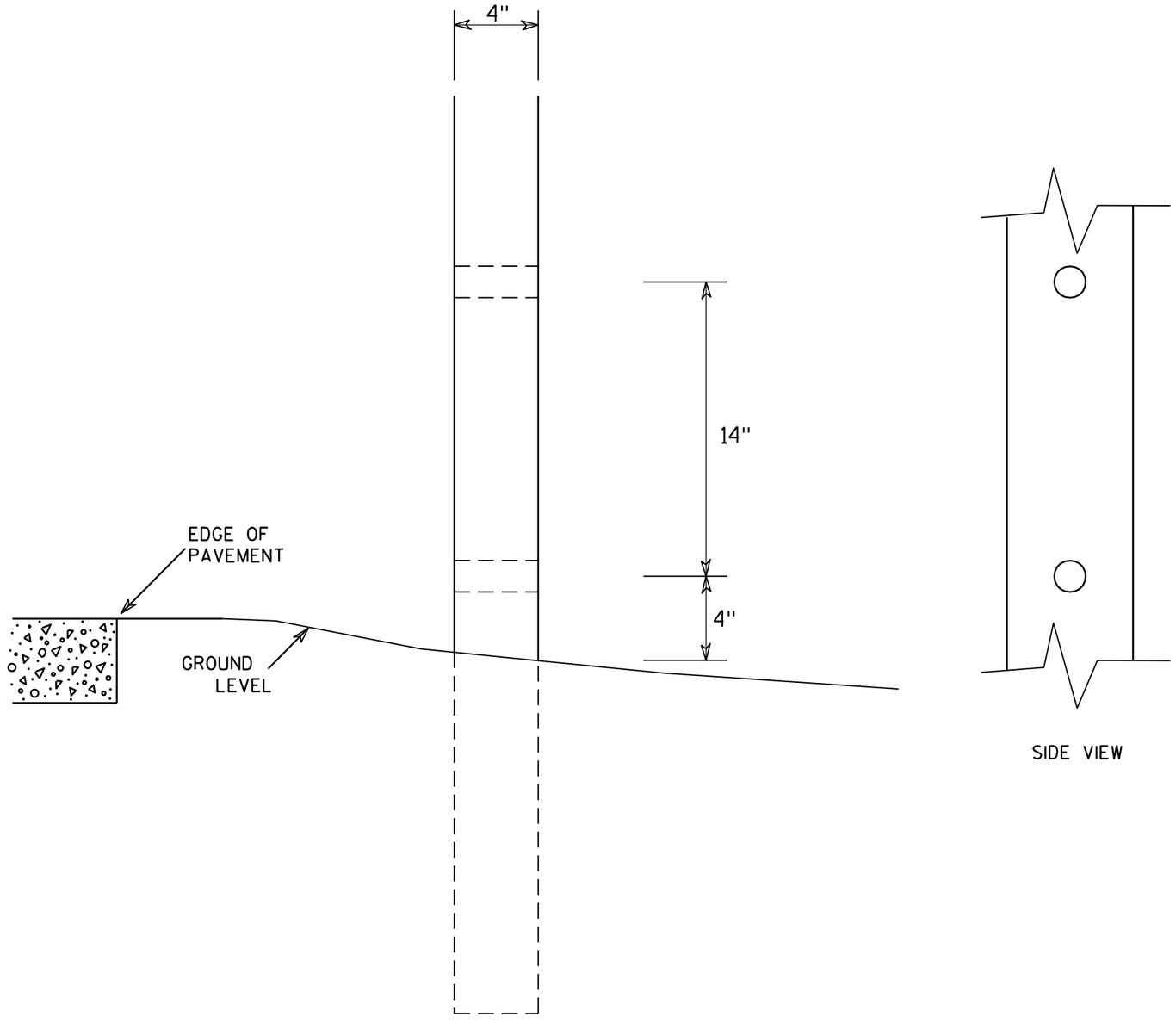
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 255 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.

7

7

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

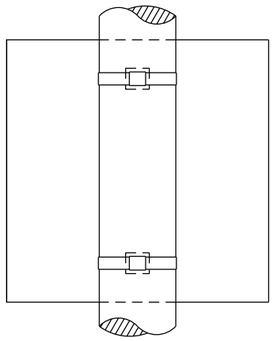
APPROVED Chester J Spang
for State Traffic Engineer

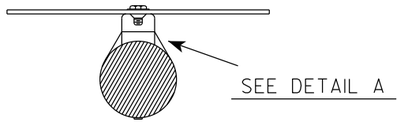
DATE 3/27/97 PLATE NO. A4-11.2

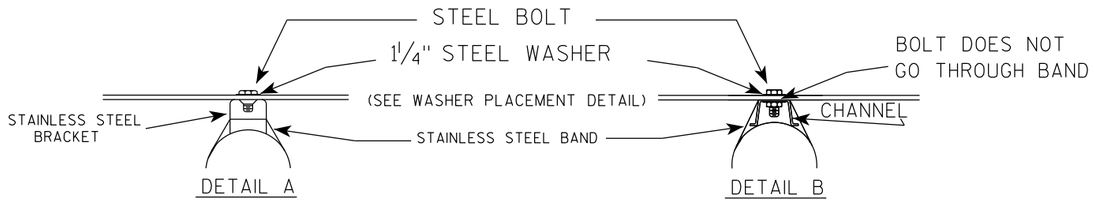
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 256	E

BANDING

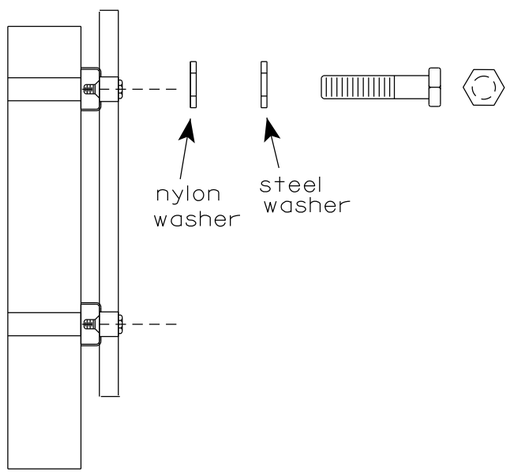
SINGLE SIGN







WASHER PLACEMENT

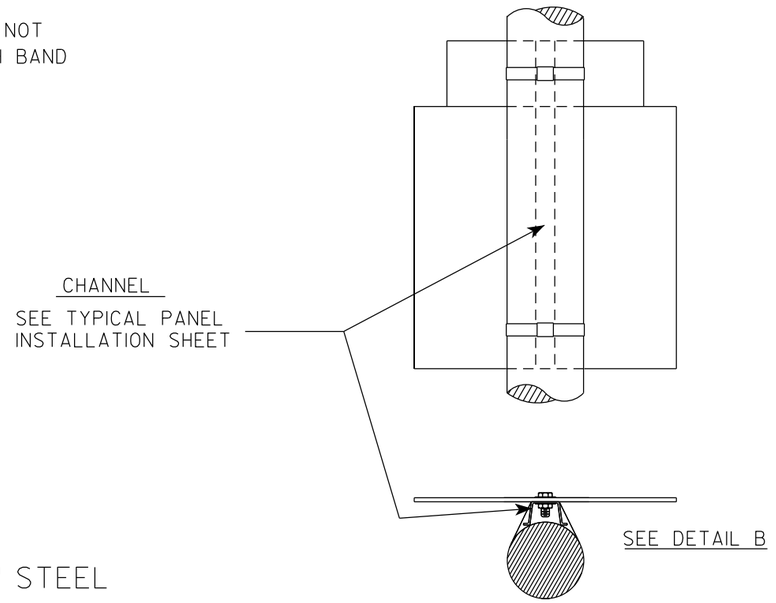


WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

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

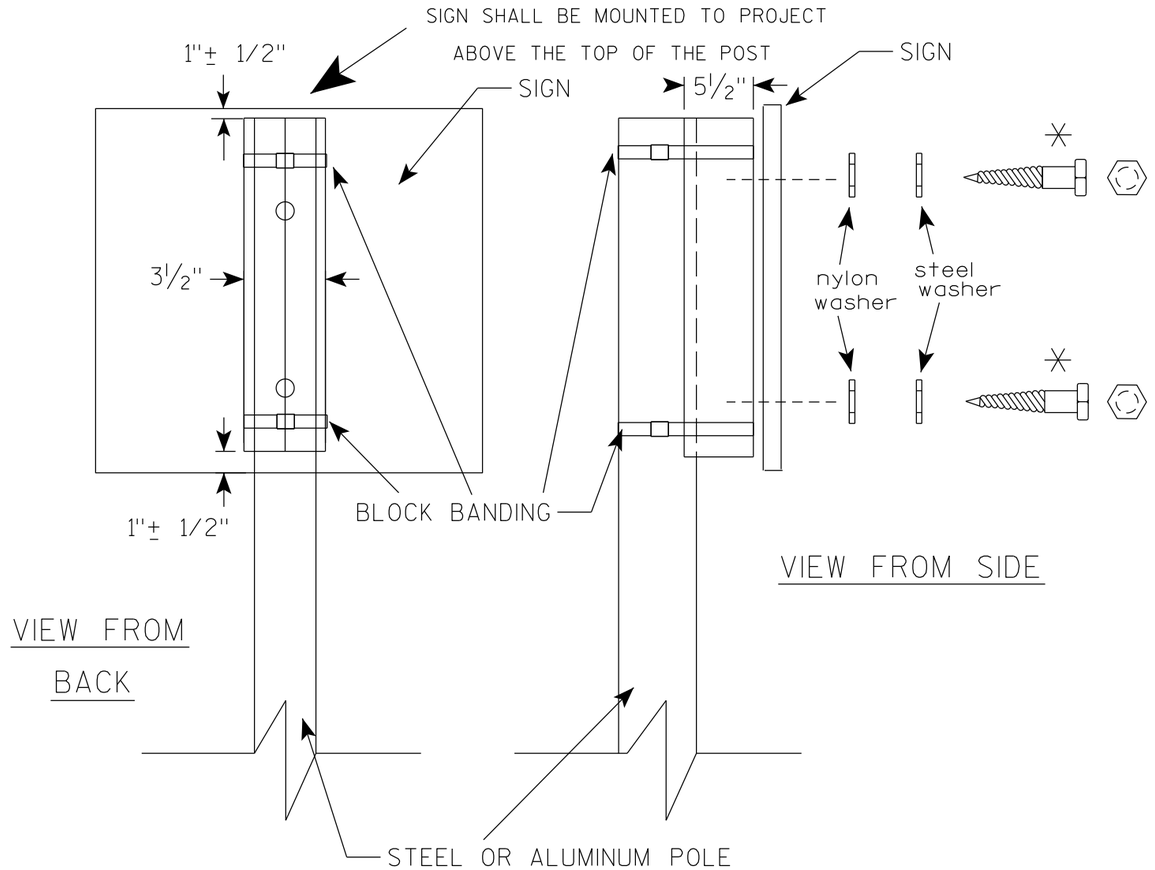
DATE 6/10/19 PLATE NO. A5-9.4

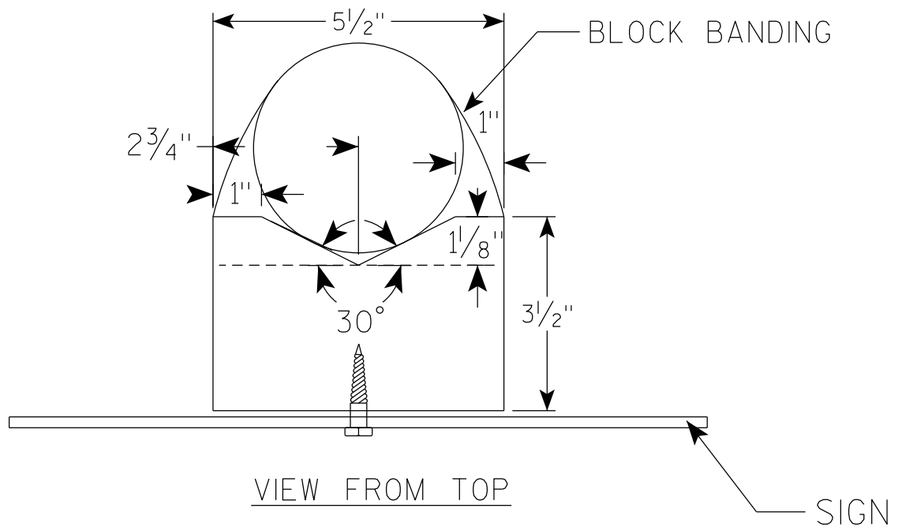
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 257	E

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"

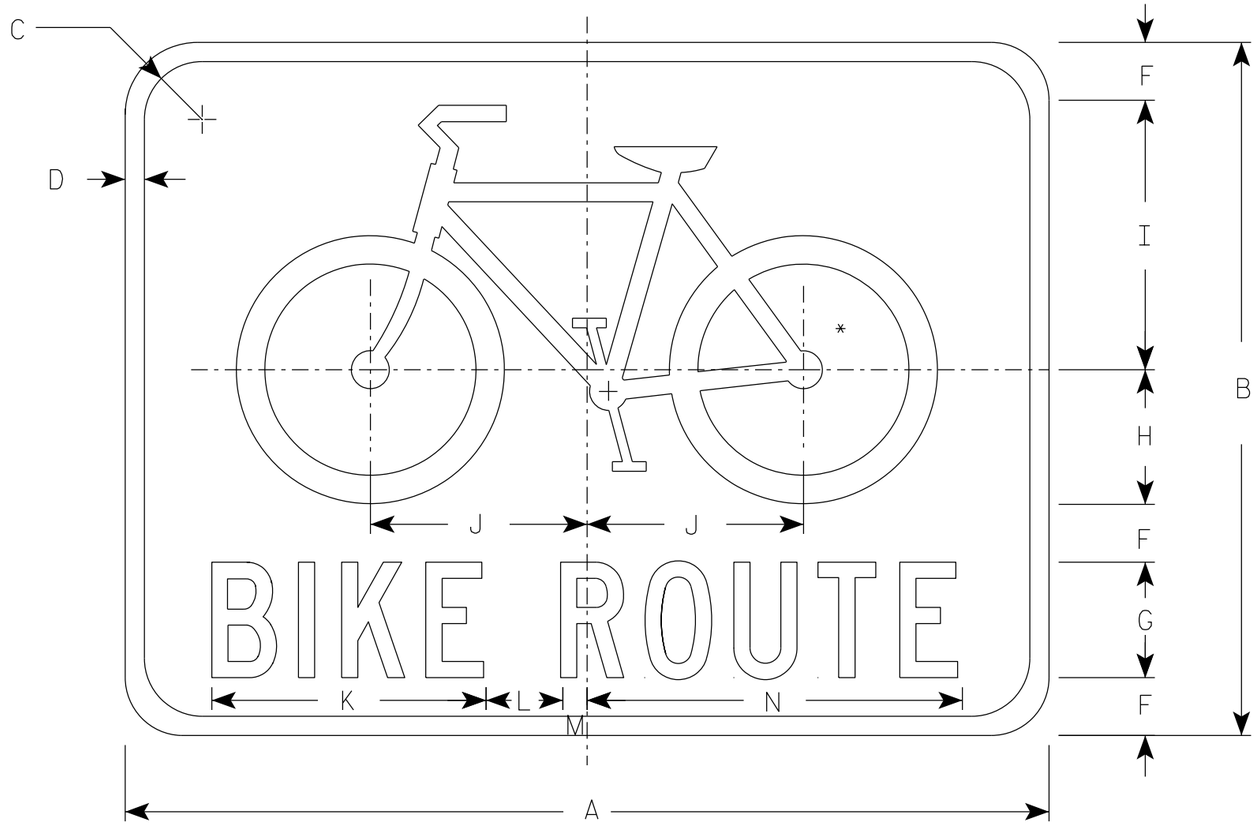
BLOCK BANDING DETAIL (V-BLOCK OPTION)

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: 258	E



NOTES

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

* See W11-1 for symbol design

D11-1

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	18	1 1/2	1/2		1 1/2	3	3 1/2	7	5 5/8	7 1/8	2	5/8	9 3/4													3.0
2M	24	18	1 1/2	1/2		1 1/2	3	3 1/2	7	5 5/8	7 1/8	2	5/8	9 3/4													3.0
3	30	24	1 1/4	5/8		2	4	4 3/4	9 1/4	7 1/2	9 1/2	2 5/8	7/8	13													5.0
4																											
5																											

STANDARD SIGN

D11-1

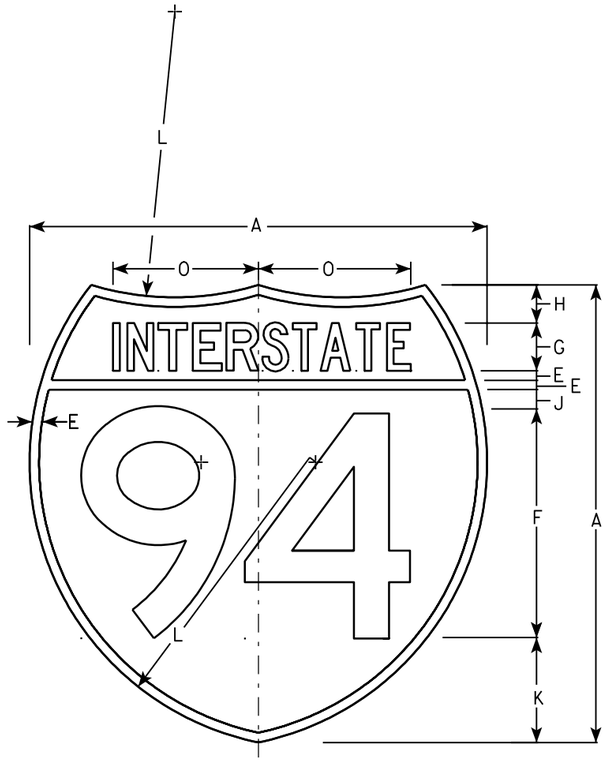
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

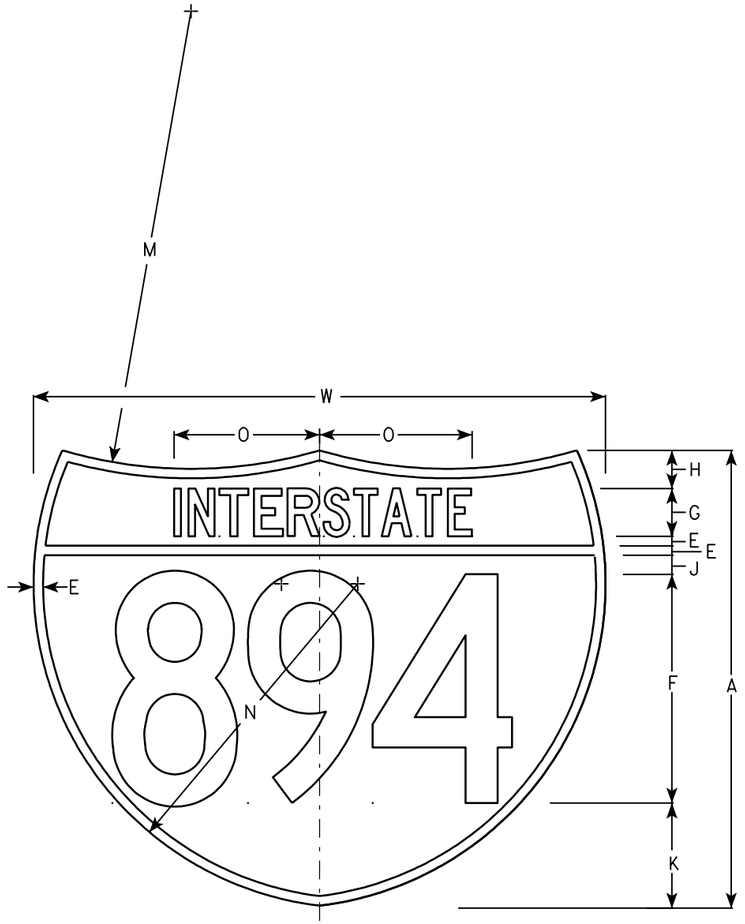
DATE 3/16/2021 PLATE NO. D11-1.2

PROJECT NO:

SHEET NO: 259 E



M1-1



M1-1A

NOTES

1. Sign is Type II - See Note 6 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Top Red - Bottom Blue (See Note 6)
   Message - White - See Note 6
3. Message Series - See note 5
4. Substitute appropriate numerals & ajust spacing as per plate A10-1.
5. M1-1 - Numerals - D
   Interstate - C
   M1-1A - All copy - C
6. Permanent Signs
   Message - Type H Reflective
   Detour or other temporary signs
   Background - Reflective
   Message - Reflective

Metric equivalent for these signs are:

SIZE	M1-1	SIZE	M1-1A
1			
2	600 mm X 600 mm	2	600 mm X 750 mm
3	900 mm X 900 mm	3	900 mm X 1125 mm
4	900 mm X 900 mm	4	900 mm X 1125 mm
5	900 mm X 900 mm	5	900 mm X 1125 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	M1-1 Area sq. ft.	M1-1A Area sq. ft.	M1-1 Area m2	M1-1A Area m2
1																													
2	24				1/2	12	2 1/2	2		1	5 1/2	15	24	17	7 7/8								30			3.13	3.91	.36	.46
3	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79	.81	1.05
4	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79	.81	1.05
5	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79	.81	1.05

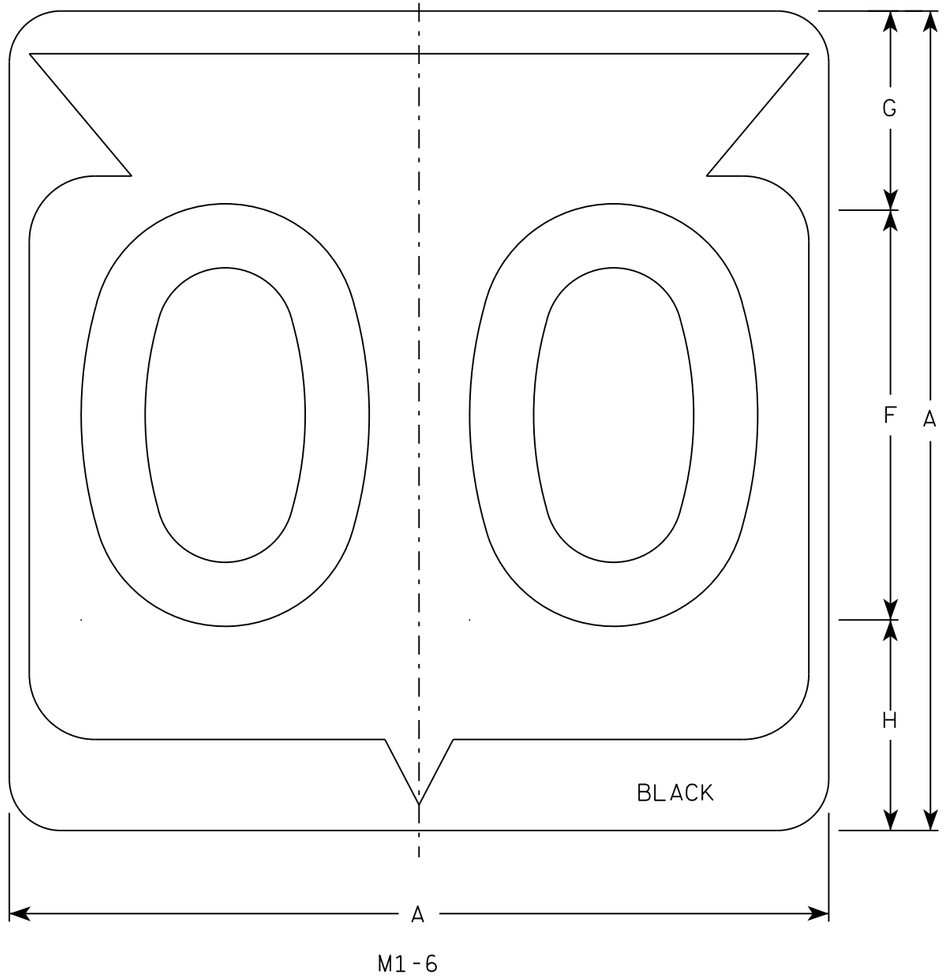
INTERSTATE ROUTE MARKER
M1-1 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 08/23/05 PLATE NO. M1-1.8

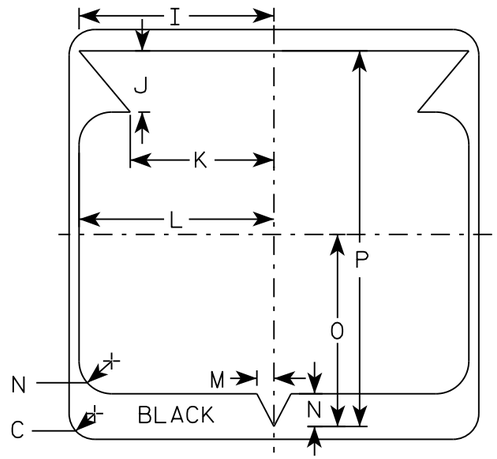
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 260	E



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

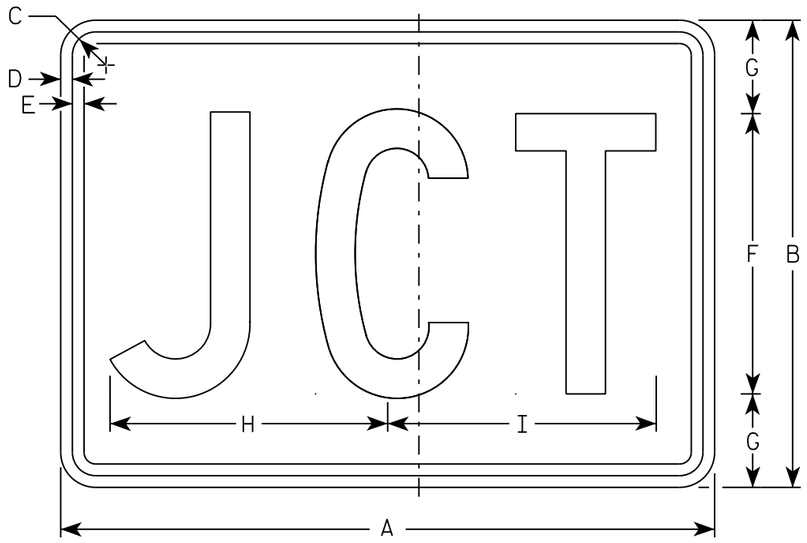
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

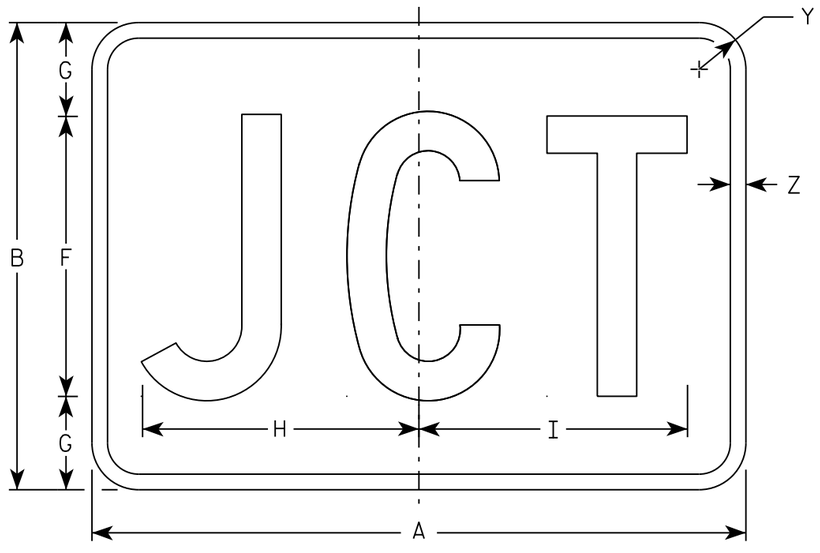
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-6.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 261	E



M2-1
MM2-1
MP2-1



MB2-1
MK2-1
MN2-1
MR2-1

NOTES

1. Sign is Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M2-1 Background - White
   Message - Black
   MB2-1 Background - Blue
   Message - White
   MK2-1 Background - Green
   Message - White
   MM2-1 Background - White
   Message - Green
   MN2-1 Background - Brown
   Message - White
   MP2-1 Background - White
   Message - Blue
   MR2-1 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21	15	1 1/8	3/8	3/8	9	3	8 7/8	8 5/8																1 1/2	1/2	2.20
3	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
4	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
5	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40

STANDARD SIGN
M2-1

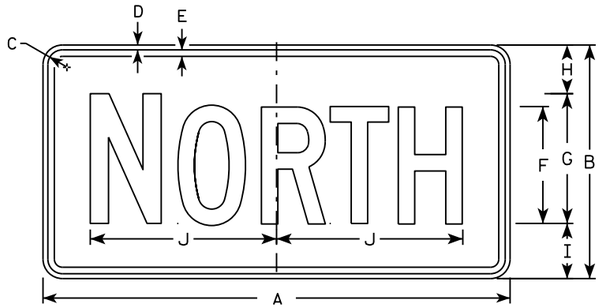
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

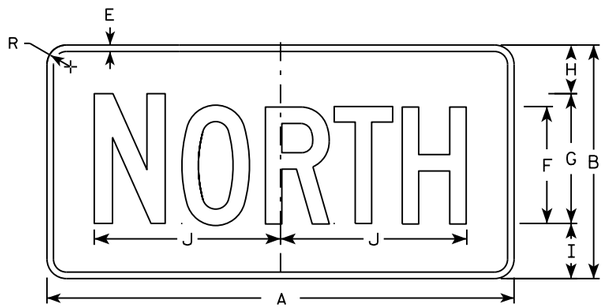
DATE 10/15/15 PLATE 262 12-1.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M21.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 4.864603:1.000000



M3-1
MM3-1
MP3-1



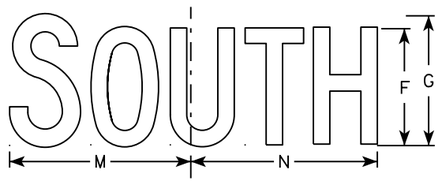
MB3-1
MK3-1
MN3-1



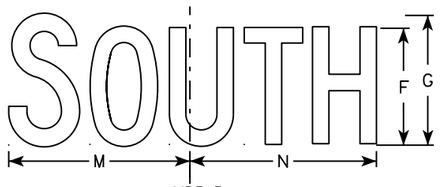
M3-2
MM3-2
MP3-2



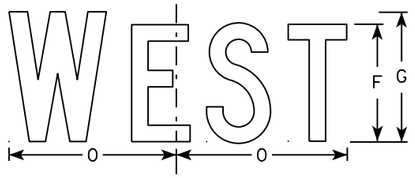
MB3-2
MK3-2
MN3-2



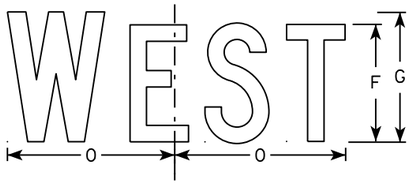
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

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

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

STANDARD SIGNS
M3-1 thur M3-4
SERIES

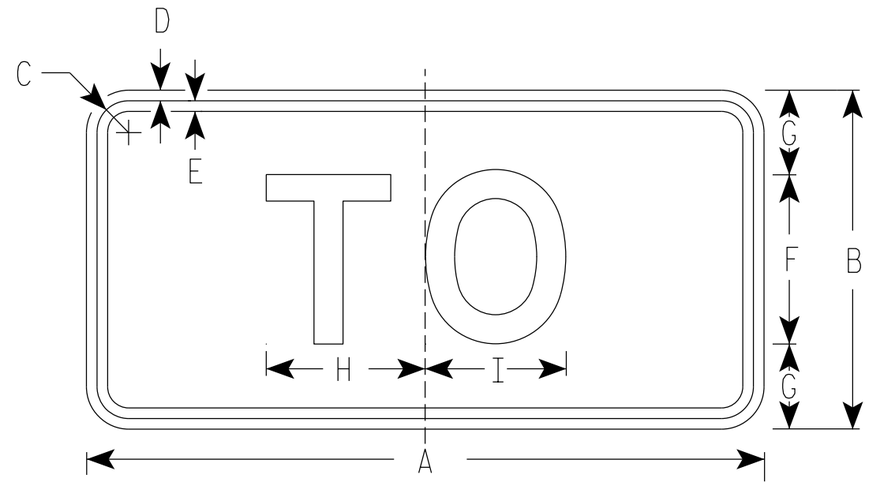
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

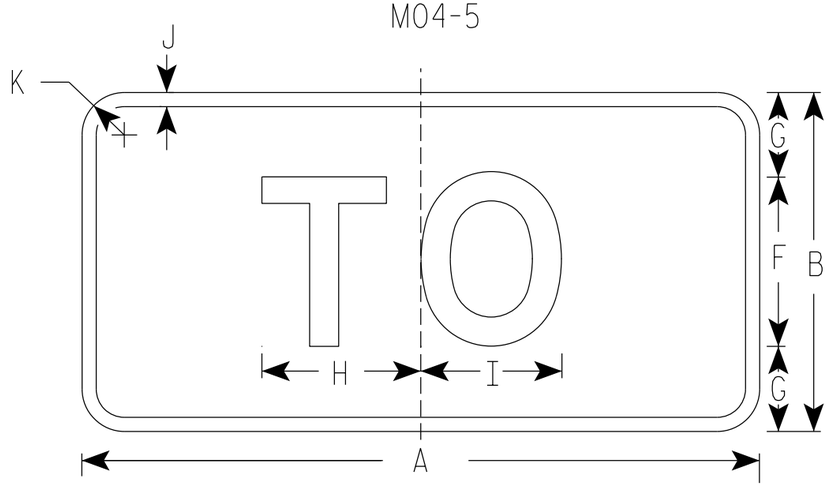
DATE 10/15/15 PLATE NO M3-1.14

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M31.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



M4-5
MM4-5
MP4-5
MO4-5



MB4-5
MK4-5
MN4-5

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See note 5
   Message - See note 5
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. M4-5 Background - White
   Message - Black

   MB4-5 Background - Blue
   Message - White

   MK4-5 Background - Green
   Message - White

   MM4-5 Background - White
   Message - Green

   MN4-5 Background - Brown
   Message - White

   MP4-5 Background - White
   Message - Blue

   MO4-5 Background - Orange Type F Reflective
   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																											
2	24	12	1 1/8	3/8	3/8	6	3	5 3/8	5 1/4	1/2	1 1/2																2.00
3	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5
4	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5
5	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5

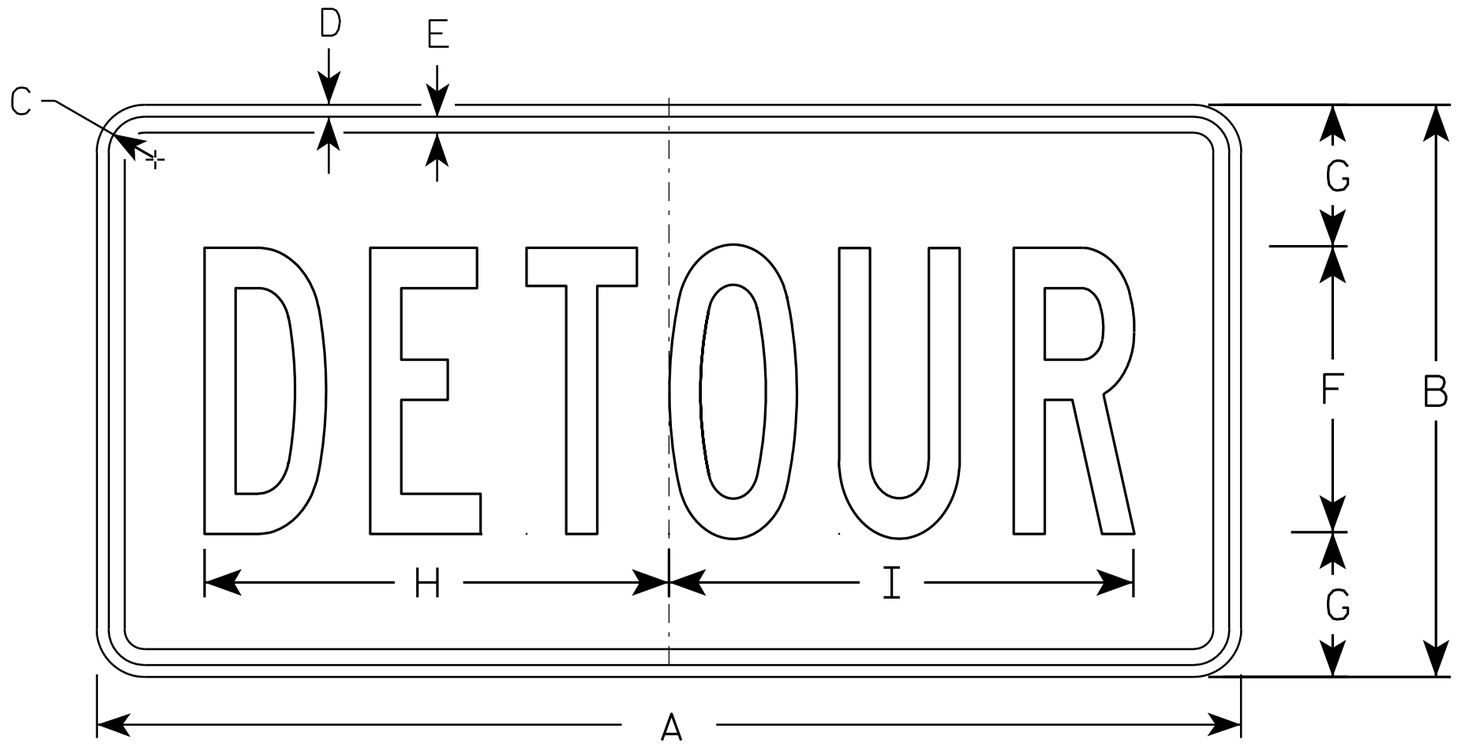
STANDARD SIGN
M4-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 03/7/19 PLATE NO. M4-5.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 264 | 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

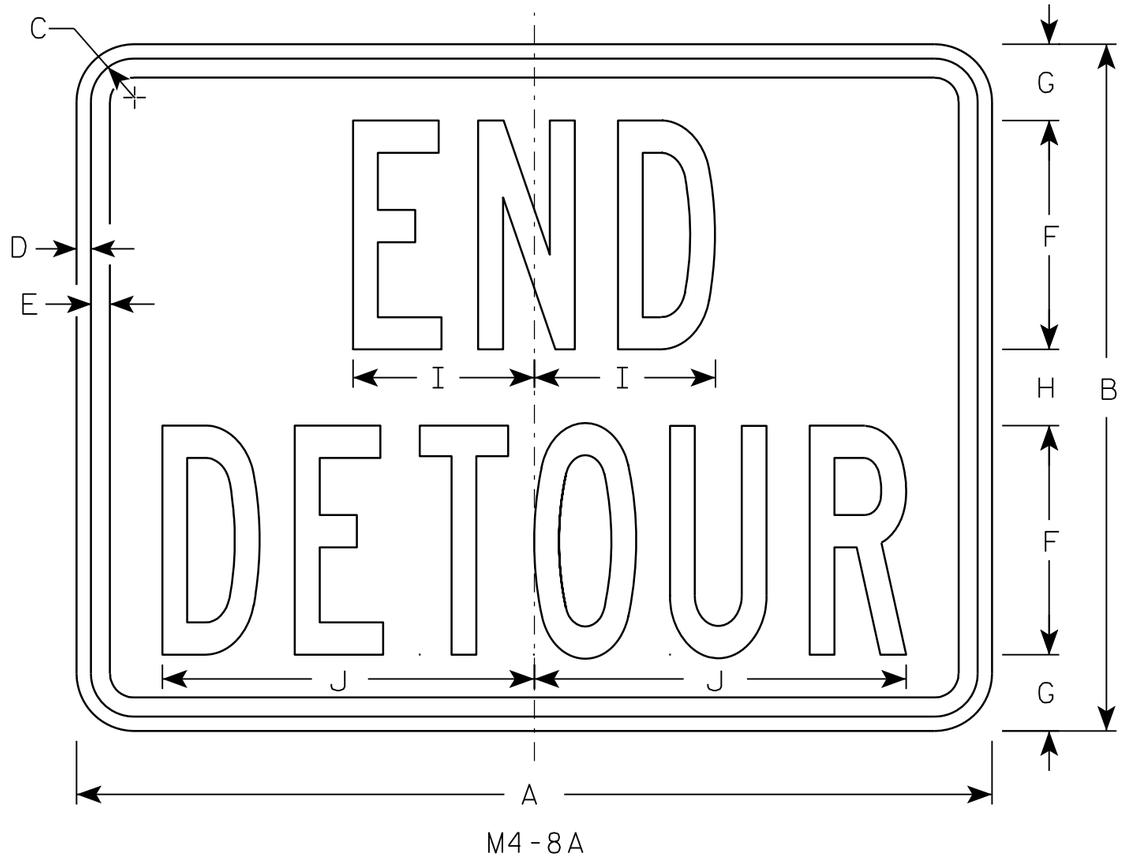
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 265	E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\M48.DGN PLOT DATE : 10-NOV-2010 13:18 PLOT BY : ditjph PLOT NAME : PLOT SCALE : 4.767233:1.000000

WISDOT/CADDS SHEET 42

7

7



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																											

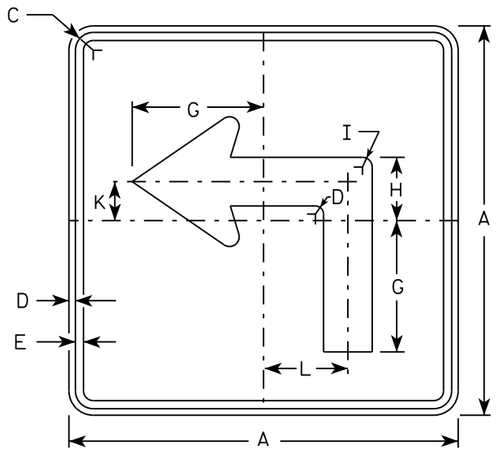
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

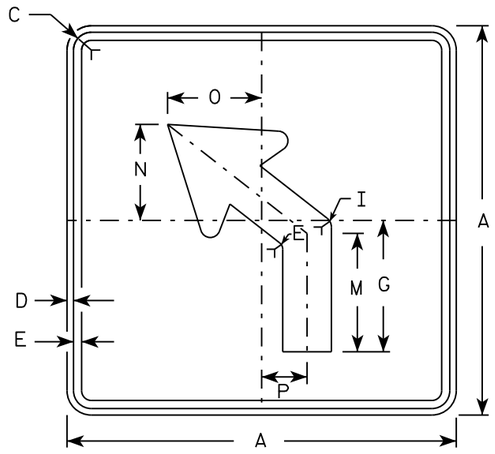
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2

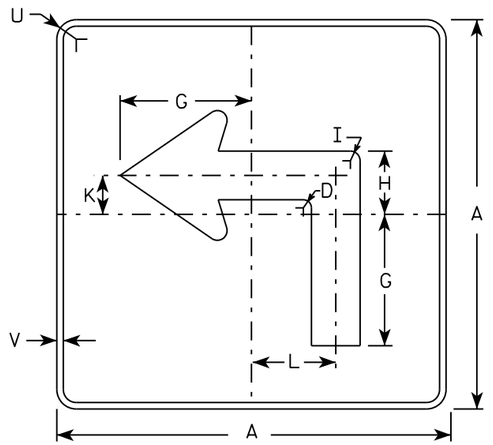
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 266	E



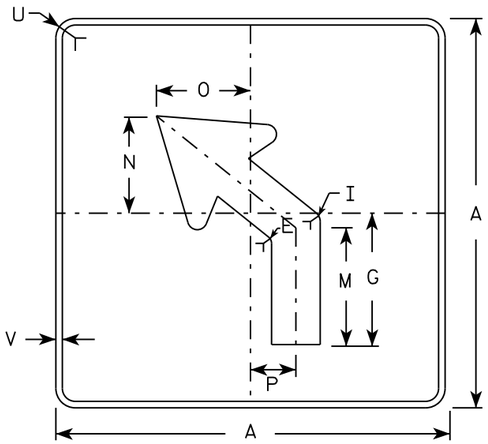
M5-1L
MM5-1L
MO5-1L
MP5-1L



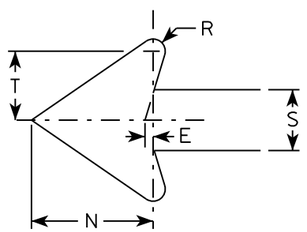
M5-2L
MM5-2L
MO5-2L
MP5-2L



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

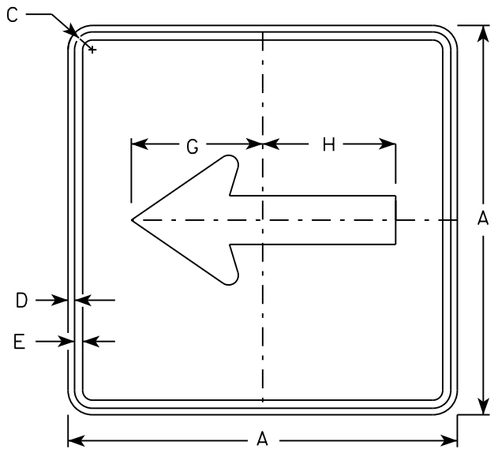
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

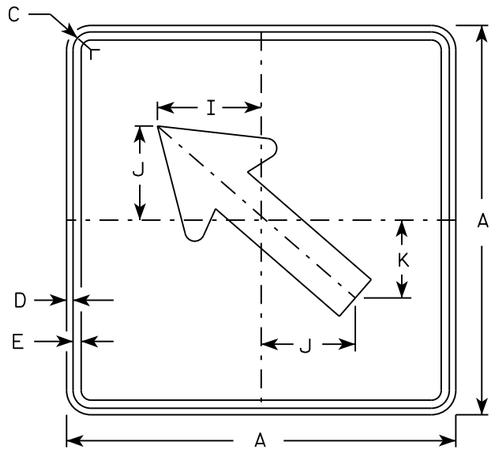
DATE 10/15/15 PLATE NO. M5-1.13

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



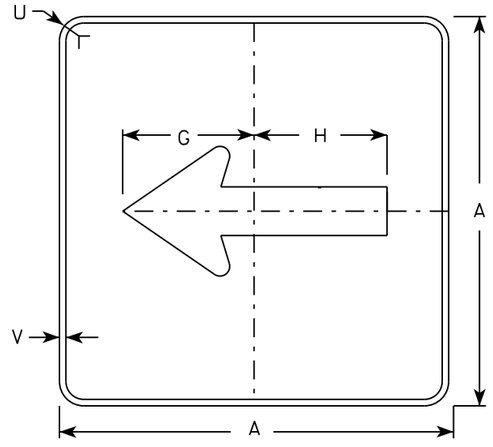
M6-1
MM6-1
MO6-1
MP6-1



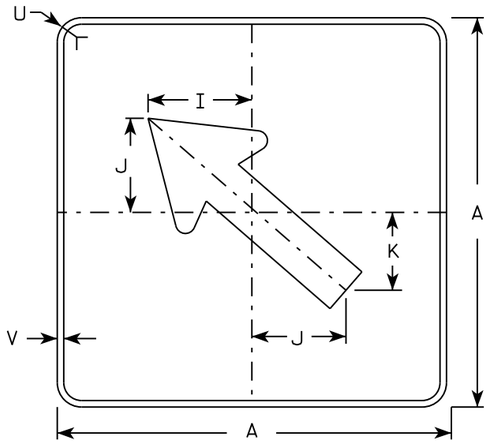
M6-2
MM6-2
MO6-2
MP6-2

NOTES

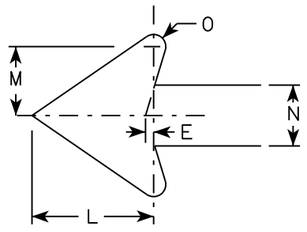
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - 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

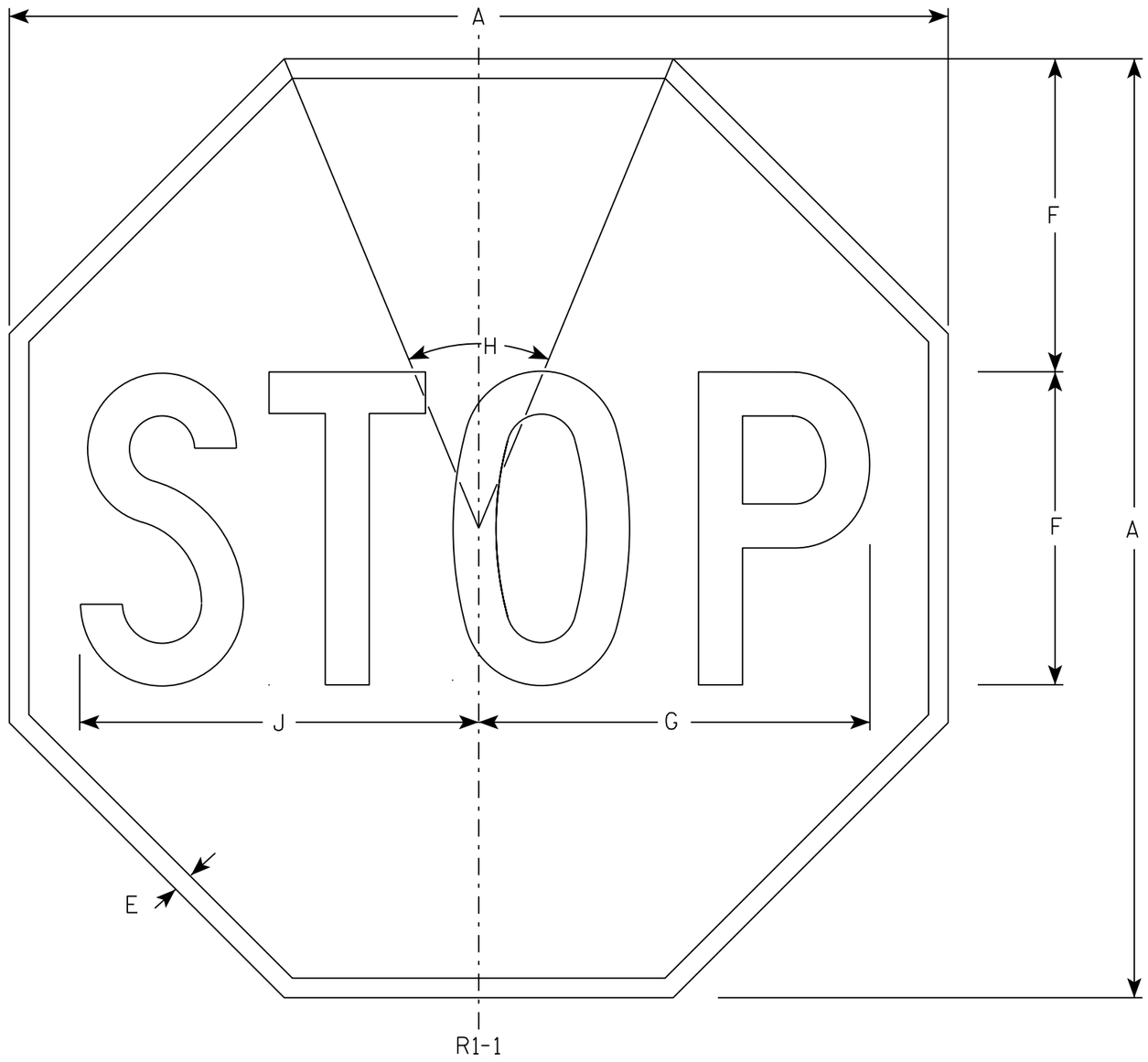
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 268 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

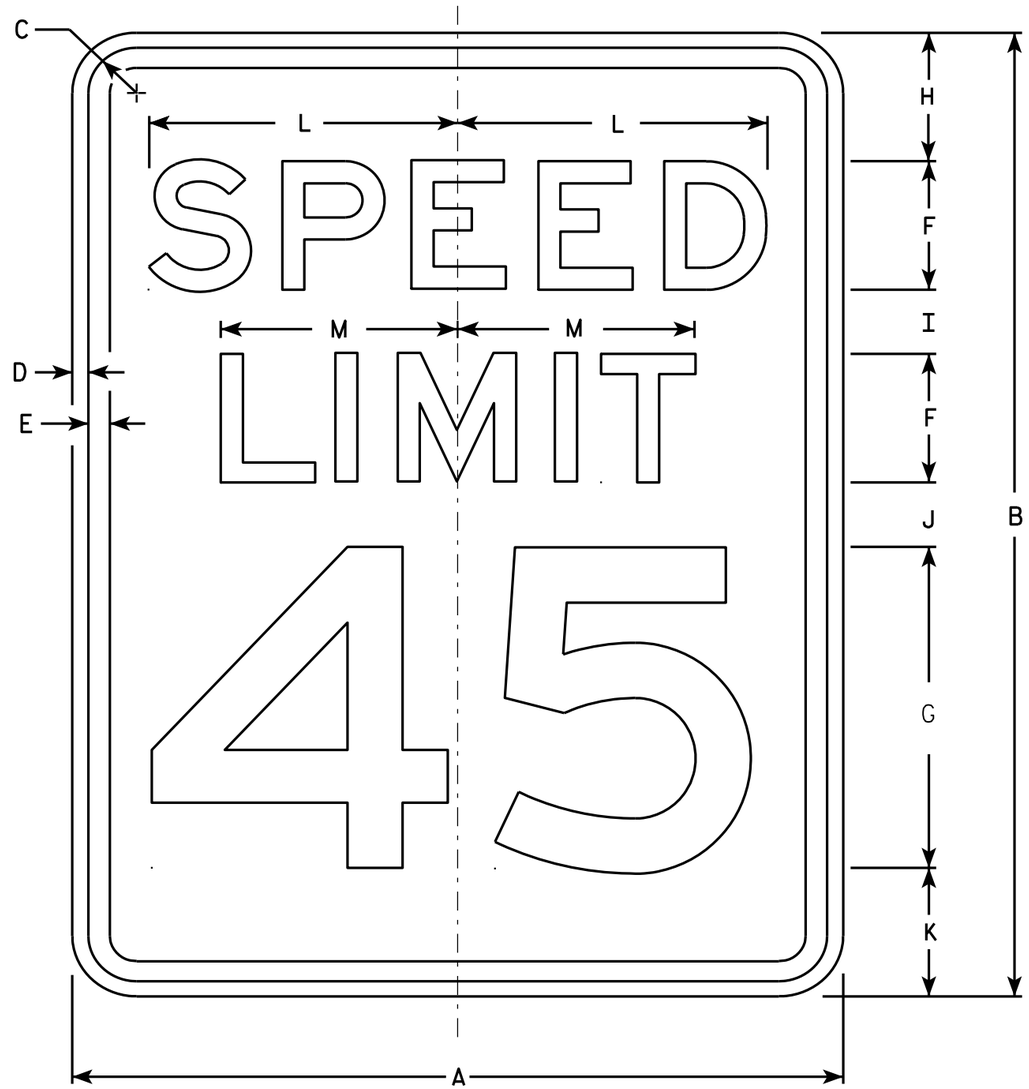
R1-1

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: 269	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

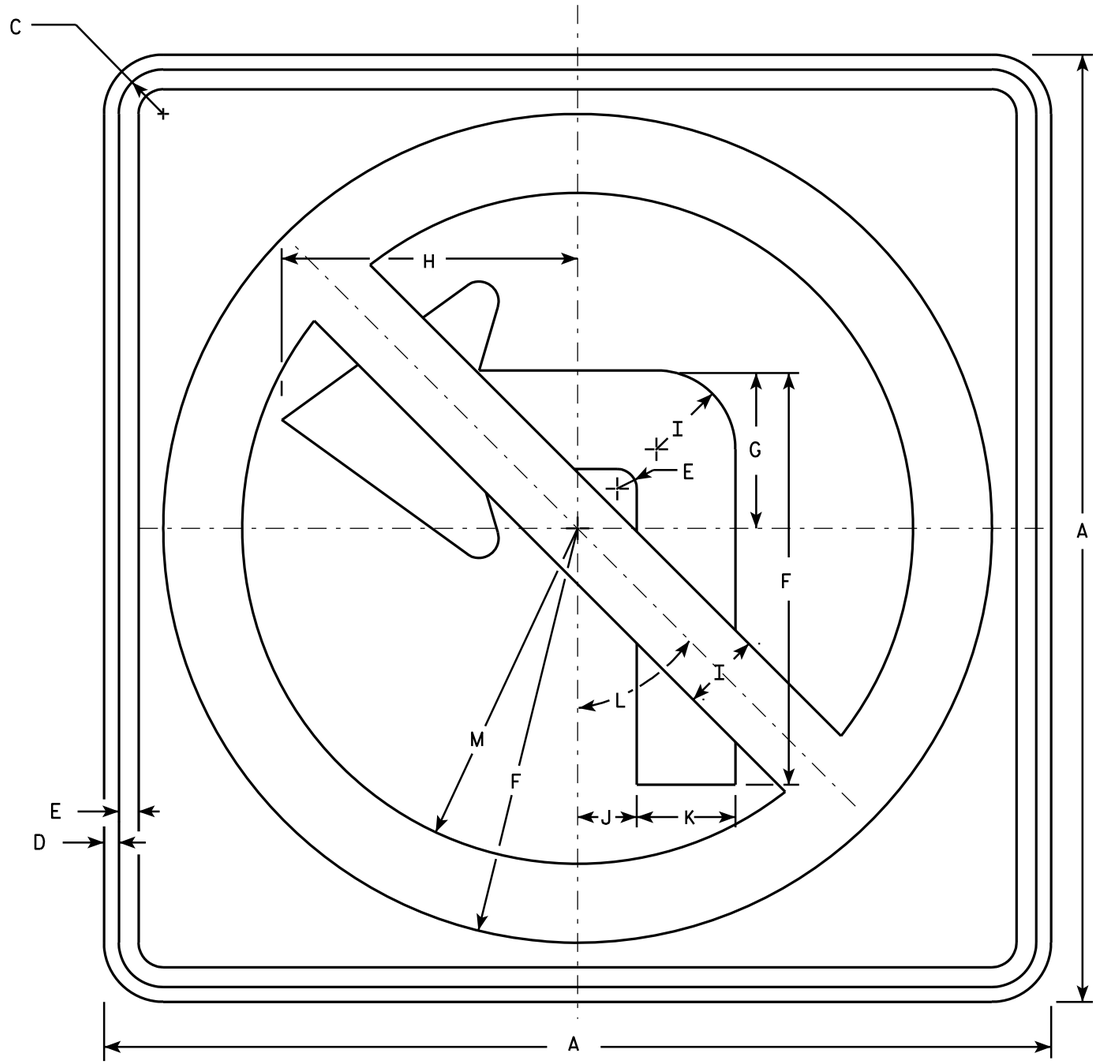
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

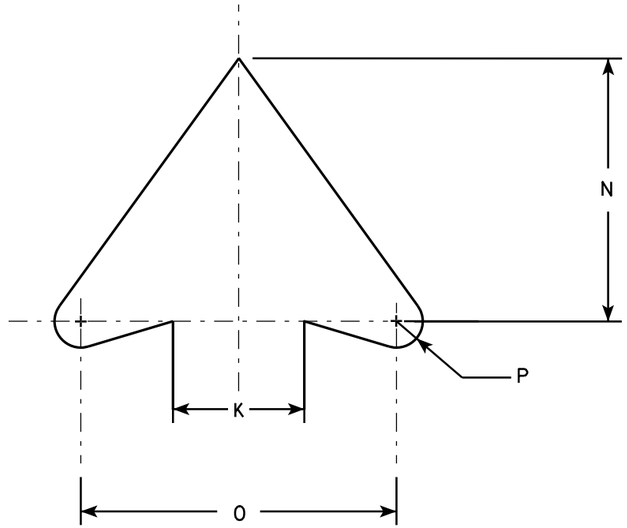
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 270	E



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

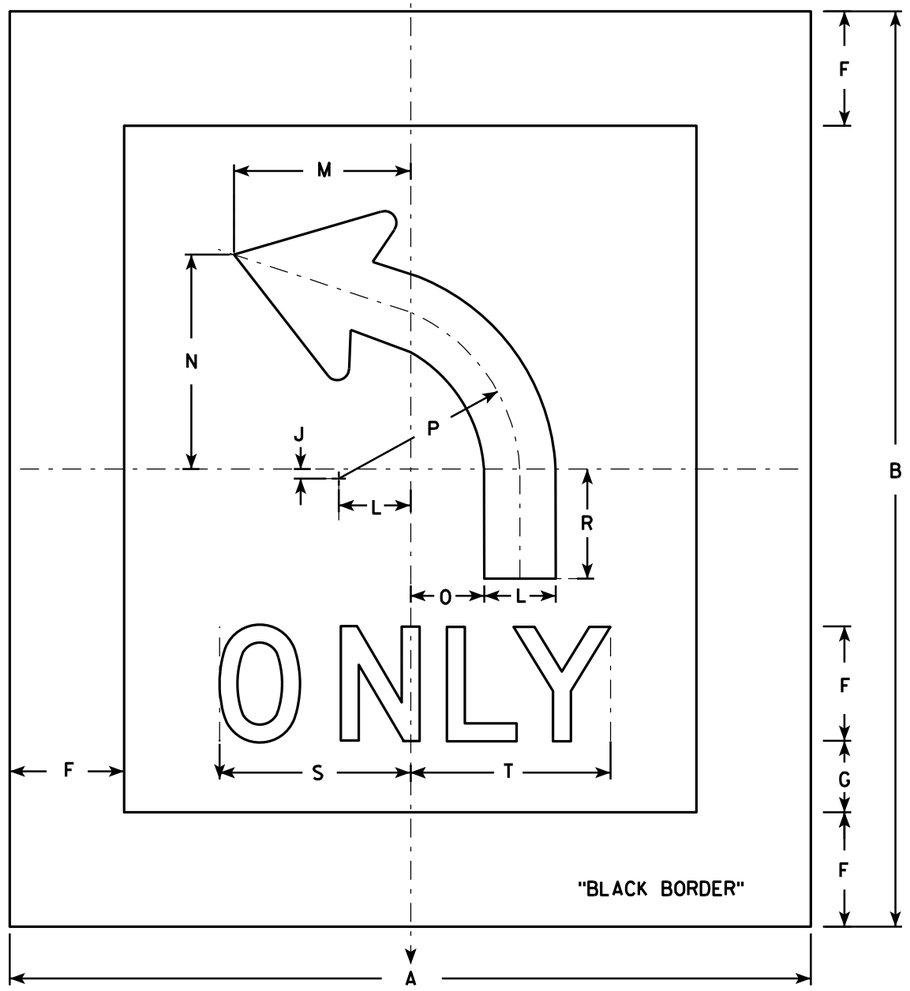
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-2.10

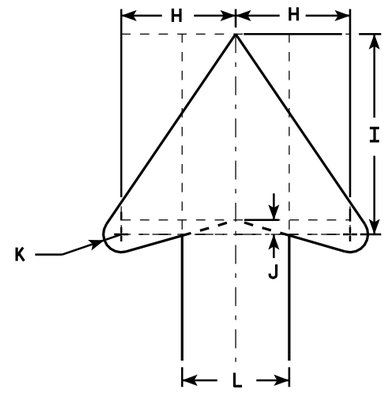
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 271	E



R3-5L

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. When base material is metal, the corners shall be rounded.
5. R3-5R is the same as R3-5L except curved portion of arrow points right.
6. The 6" border is non-reflective black.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	42	48				6	3 3/4	4	7	1/2	5/8	3 3/4	9 1/4	11 1/4	3 7/8	9 1/2		5 3/4	10	10 1/2							1.26
2M	42	48				6	3 3/4	4	7	1/2	5/8	3 3/4	9 1/4	11 1/4	3 7/8	9 1/2		5 3/4	10	10 1/2							1.26
3																											
4																											
5																											

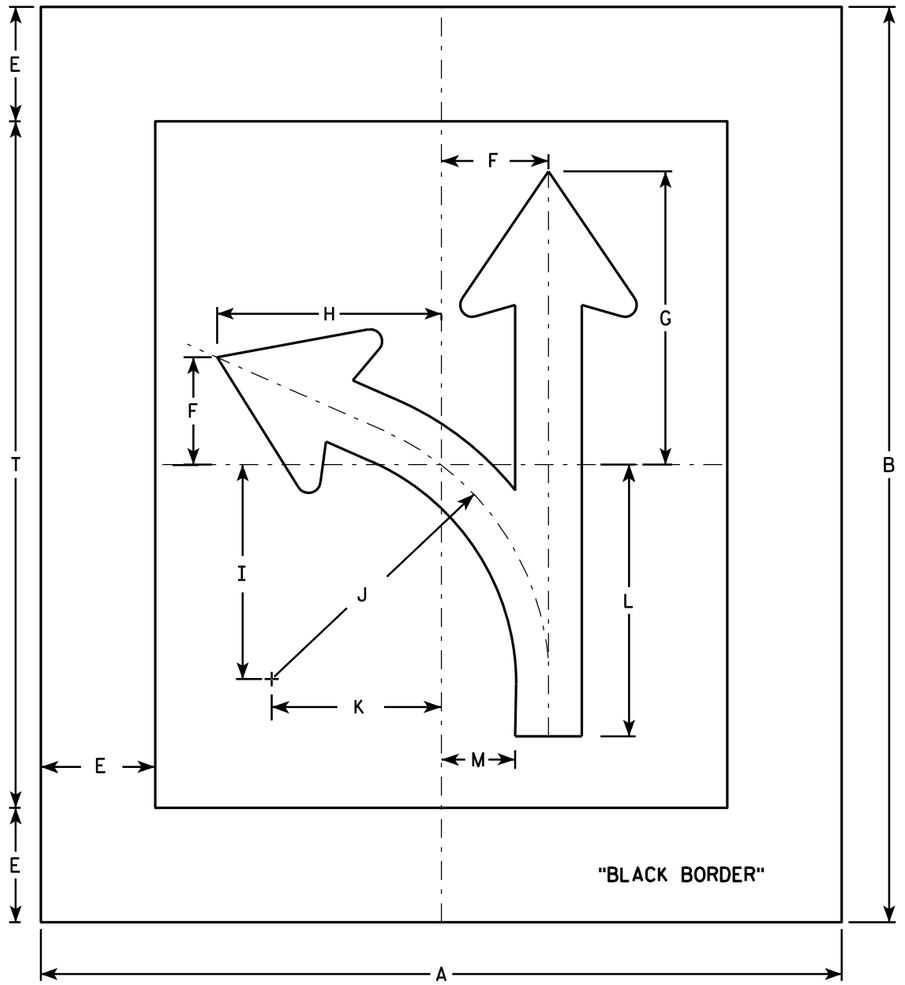
STANDARD SIGN
R3-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/24/11 PLATE NO. R3-5.6

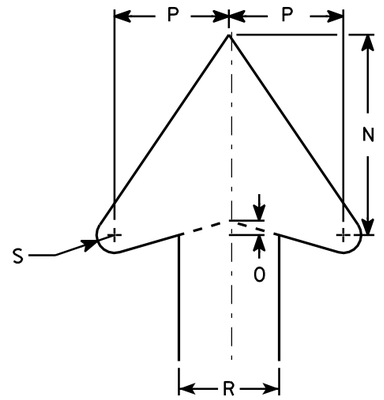
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 272 | E



R3-6L

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. When base material is metal, the corners shall be rounded.
4. R3-6R is the same as R3-6L except curved portion of arrow points right.
5. The 6" border is non-reflective black.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	42	48			6	5 5/8	15 3/8	11 3/4	11 1/4	14 1/2	8 7/8	14 1/4	3 7/8	7	1/2	4		3 1/2	5/8	36							14.0
2M	42	48			6	5 5/8	15 3/8	11 3/4	11 1/4	14 1/2	8 7/8	14 1/4	3 7/8	7	1/2	4		3 1/2	5/8	36							14.0
3																											
4																											
5																											

STANDARD SIGN
R3-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/17/2011 PLATE NO. R3-6.5

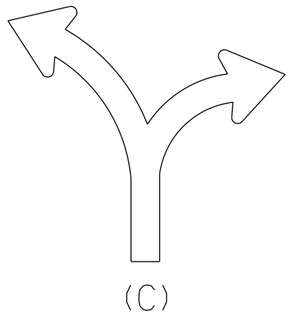
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 273 | E

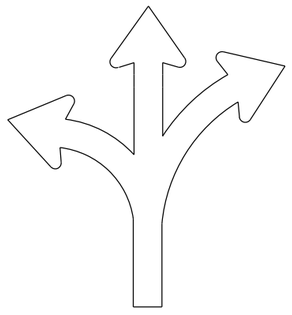


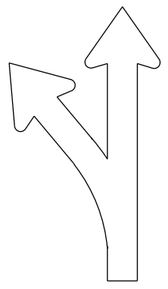
(A)

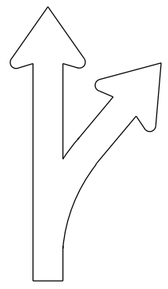


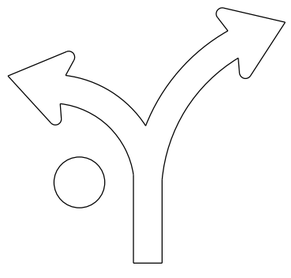
(B)

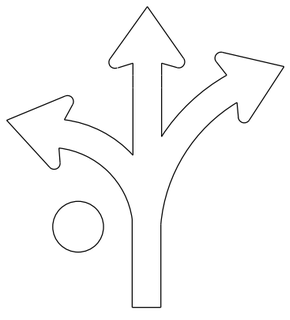

(C)

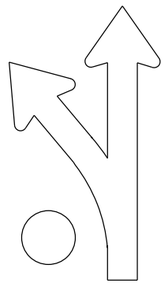

(D)


(E)


(F)

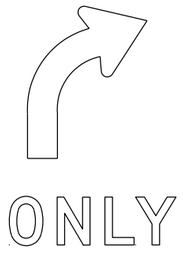

(G)


(H)

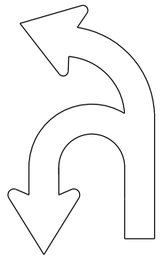

(I)



(L)



(R)


(U)

NOTES

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

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

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

STANDARD SIGN
R3-8 Series

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

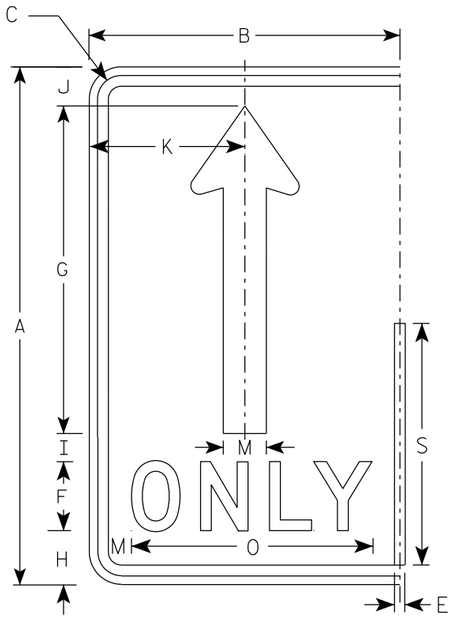
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

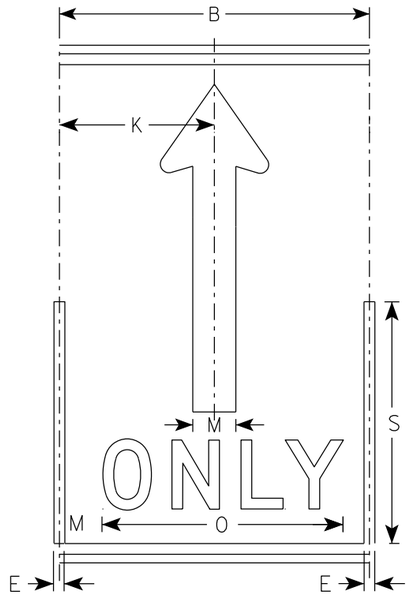
SHEET NO: 274 E

NOTES

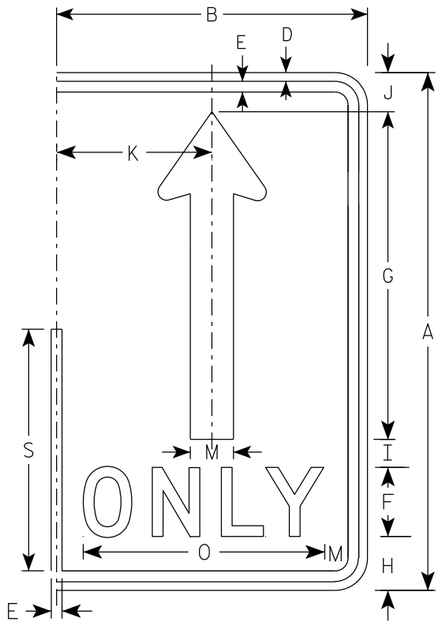
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



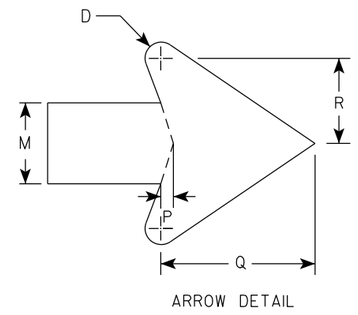
(A)



(A)



(A)



ARROW DETAIL

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

STANDARD SIGN
R3-8 (A) Arrow

WISCONSIN DEPT OF TRANSPORTATION

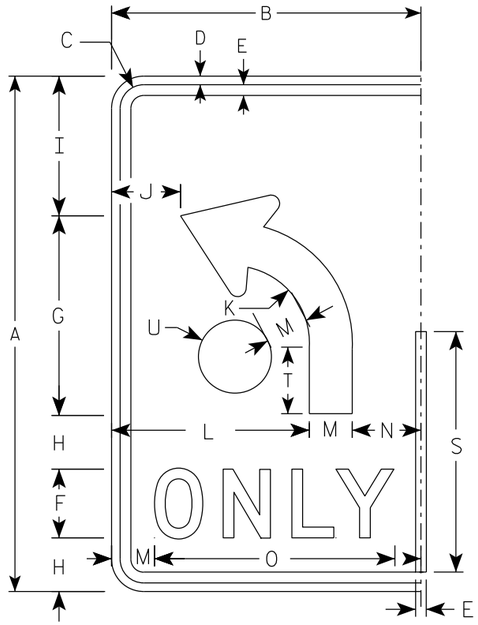
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

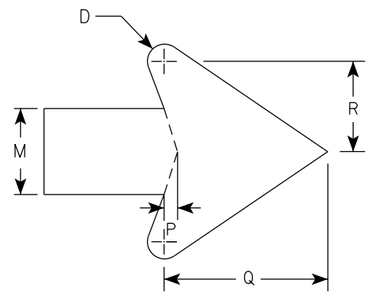
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 275 | E

NOTES

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



(B)



ARROW DETAIL

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

STANDARD SIGN

R3-8 (B) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

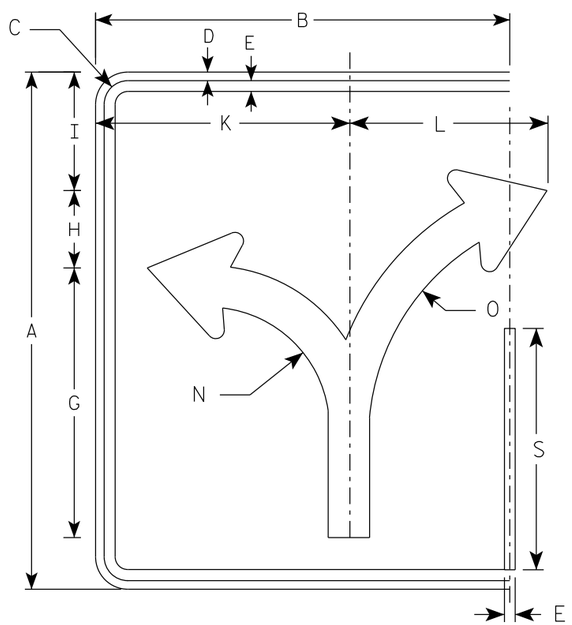
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

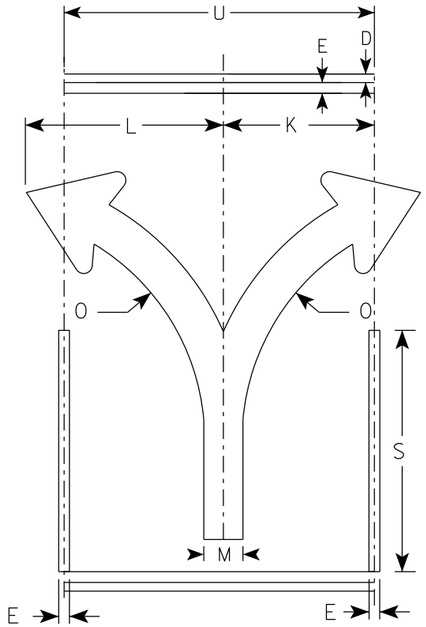
SHEET NO: 276 E

NOTES

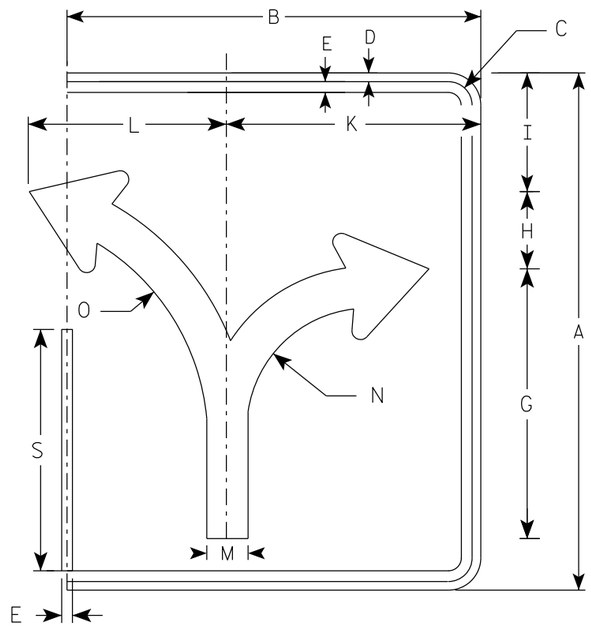
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



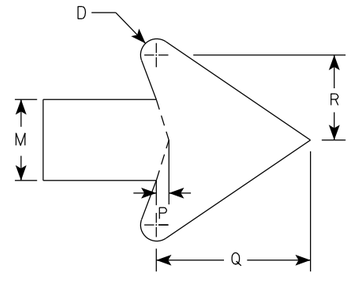
(C)



(C)



(C)



ARROW DETAIL

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

STANDARD SIGN
R3-8 (C) Arrow

WISCONSIN DEPT OF TRANSPORTATION

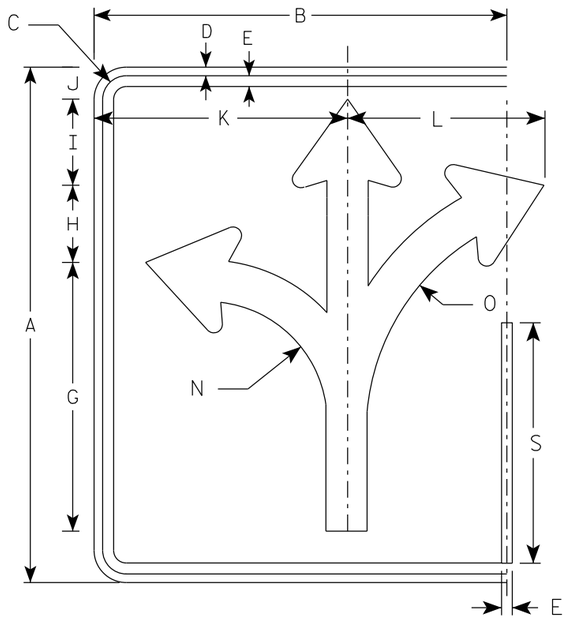
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

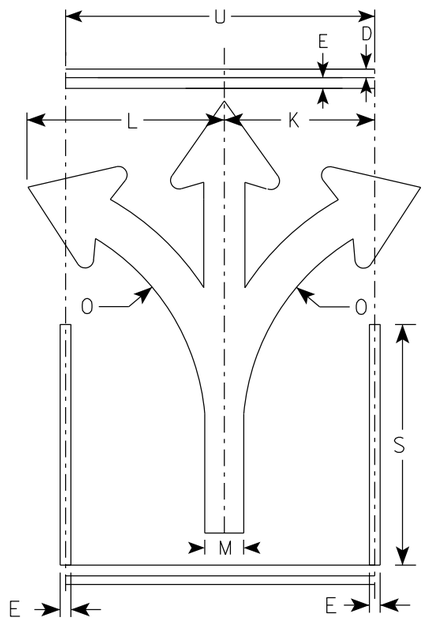
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 277 | E

NOTES

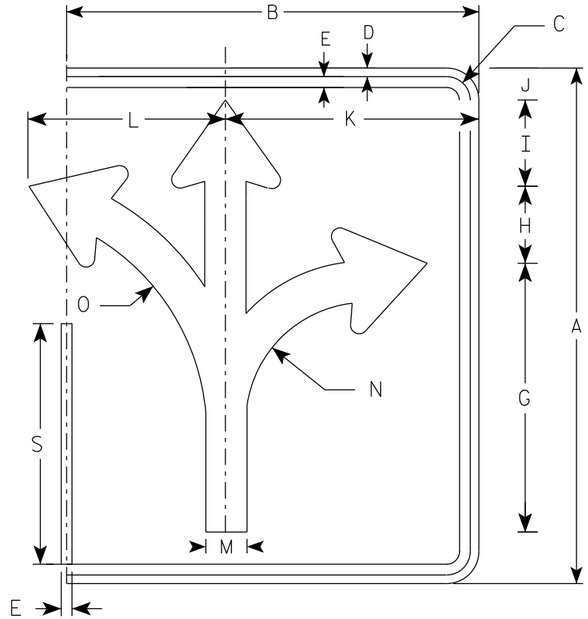
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



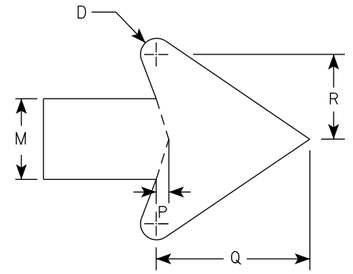
(D)



(D)



(D)



ARROW DETAIL

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

STANDARD SIGN
R3-8 (D) Arrow

WISCONSIN DEPT OF TRANSPORTATION

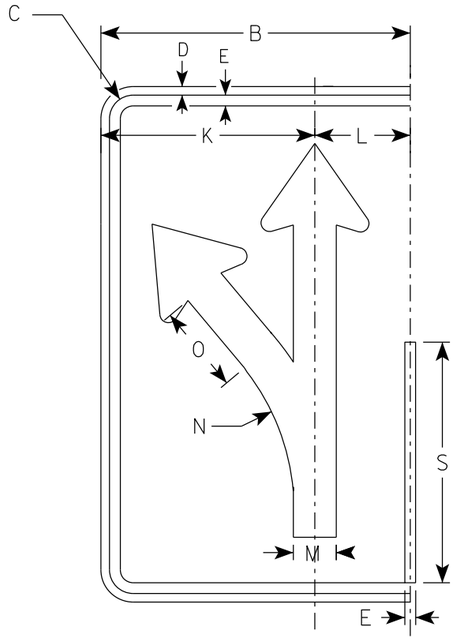
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

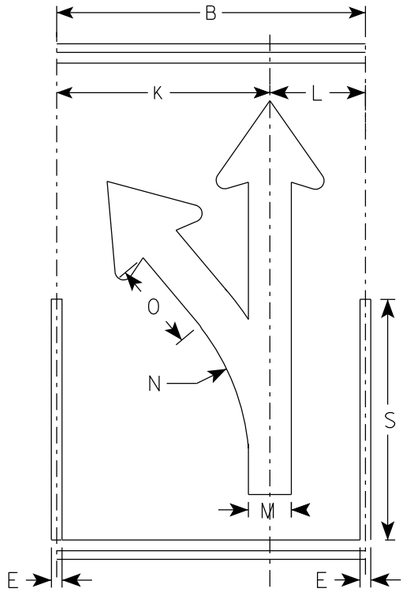
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 278 | E

NOTES

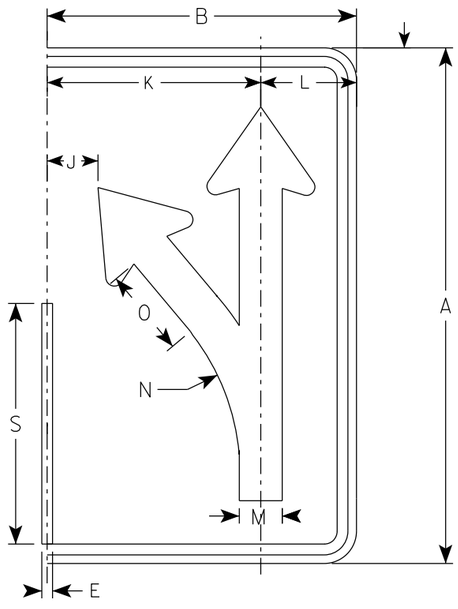
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



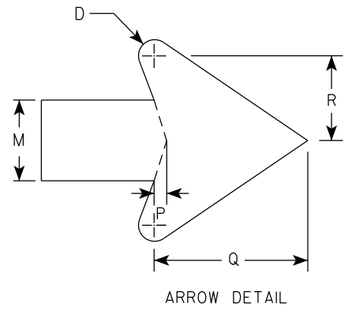
(E)



(E)



(E)



ARROW DETAIL

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

STANDARD SIGN
R3-8 (E) Arrow

WISCONSIN DEPT OF TRANSPORTATION

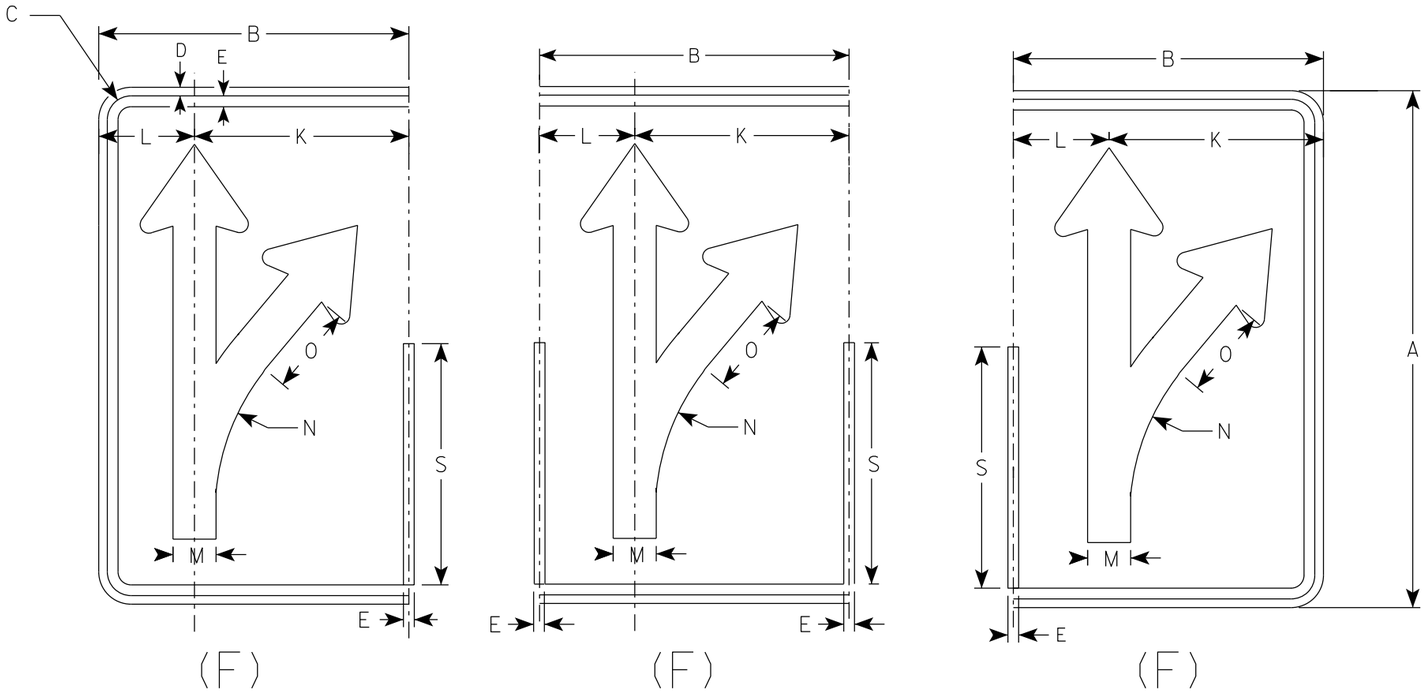
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

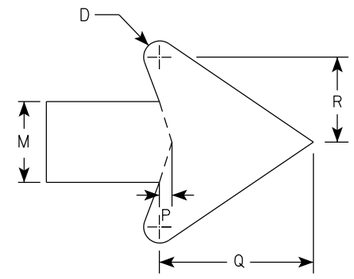
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 279 | E

NOTES

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



(F) (F) (F)



ARROW DETAIL

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

STANDARD SIGN
R3-8 (F) Arrow

WISCONSIN DEPT OF TRANSPORTATION

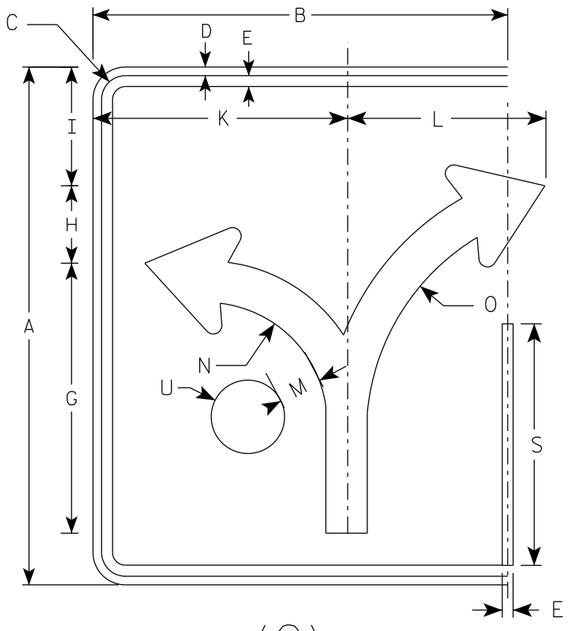
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

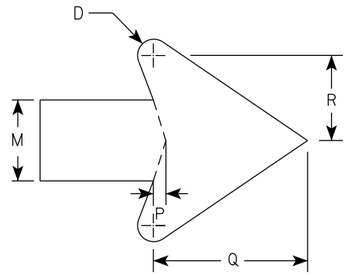
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 280 | E

NOTES

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



(G)



ARROW DETAIL

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

STANDARD SIGN
R3-8 (G) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

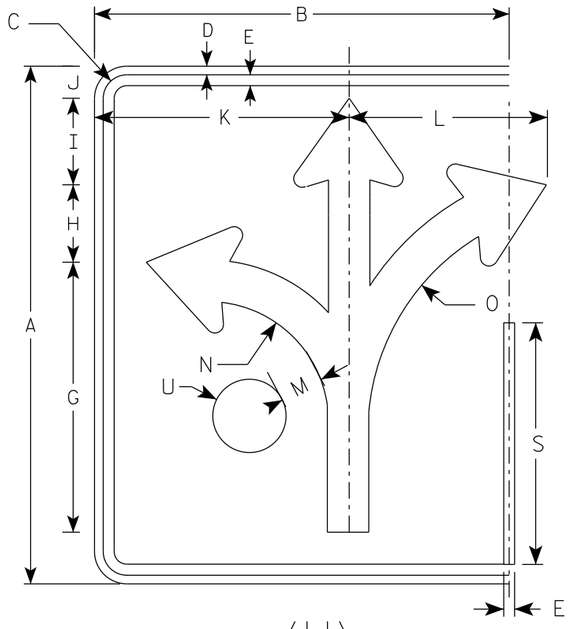
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 281 | E

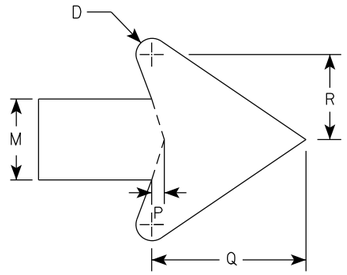
FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn PLOT DATE : 21-MAY 2019 4:38 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

NOTES

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



(H)



ARROW DETAIL

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

STANDARD SIGN
R3-8 (H) Arrow

WISCONSIN DEPT OF TRANSPORTATION

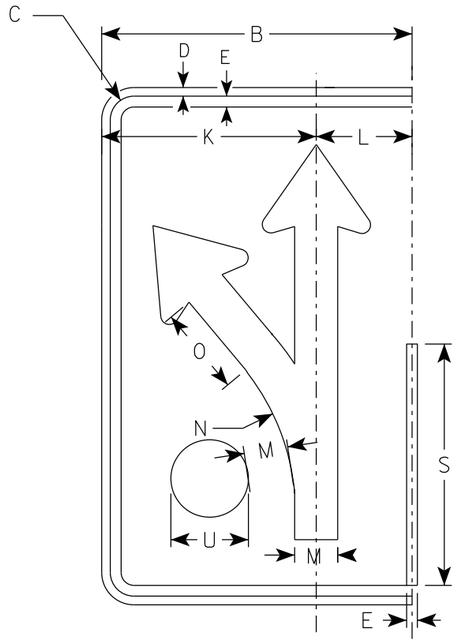
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

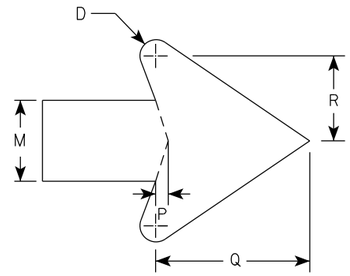
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 282	E

NOTES

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



(I)



ARROW DETAIL

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

STANDARD SIGN
R3-8 (I) Arrow

WISCONSIN DEPT OF TRANSPORTATION

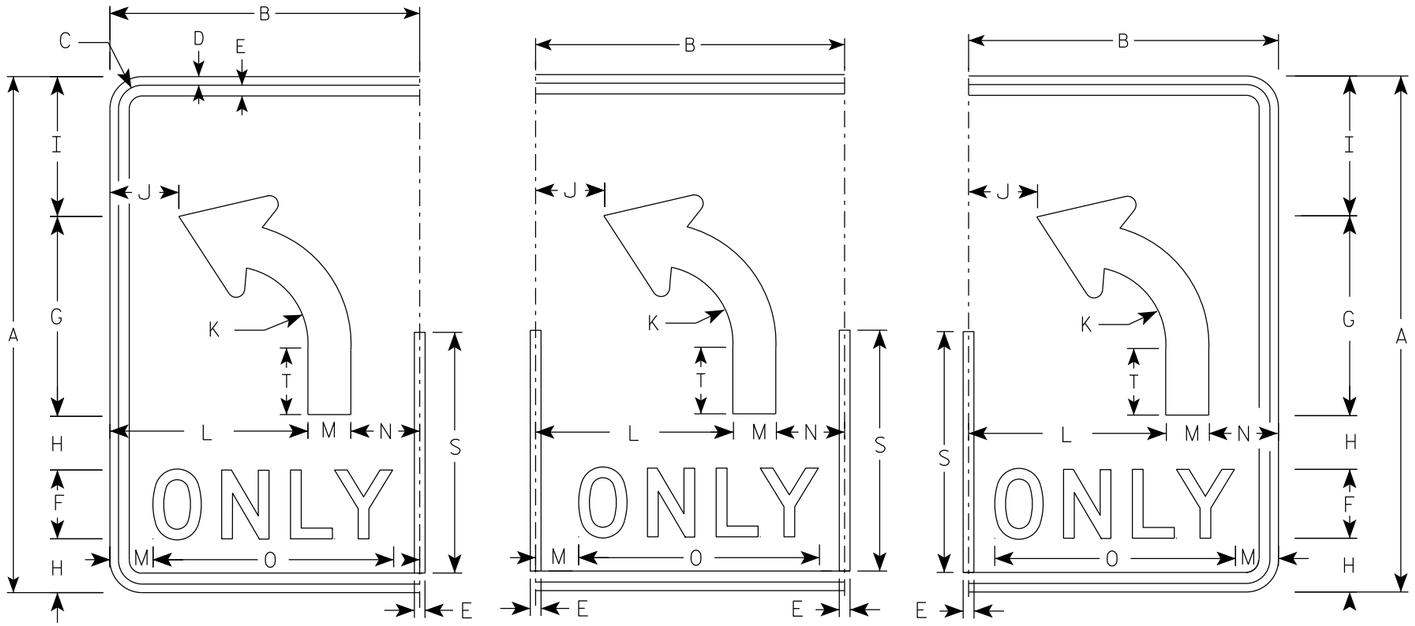
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

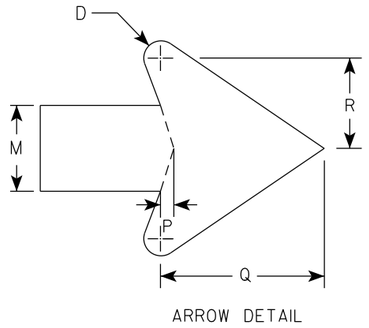
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 283 | E

NOTES

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



(L) (L) (L)



ARROW DETAIL

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

STANDARD SIGN

R3-8 (L) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

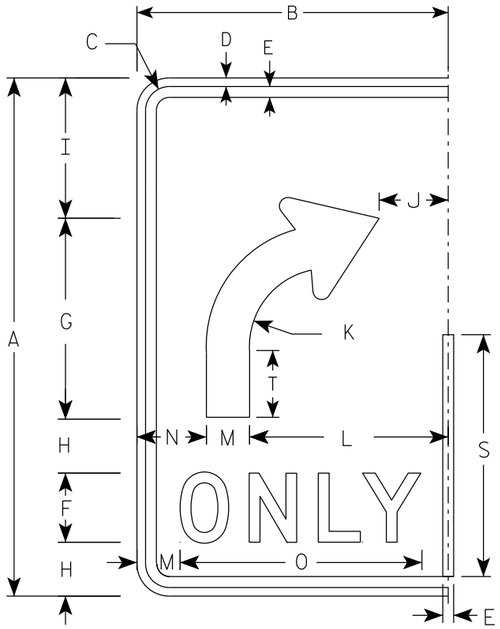
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

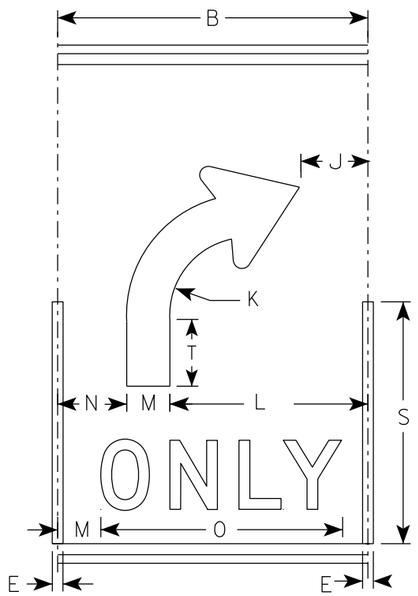
SHEET NO: 284 E

NOTES

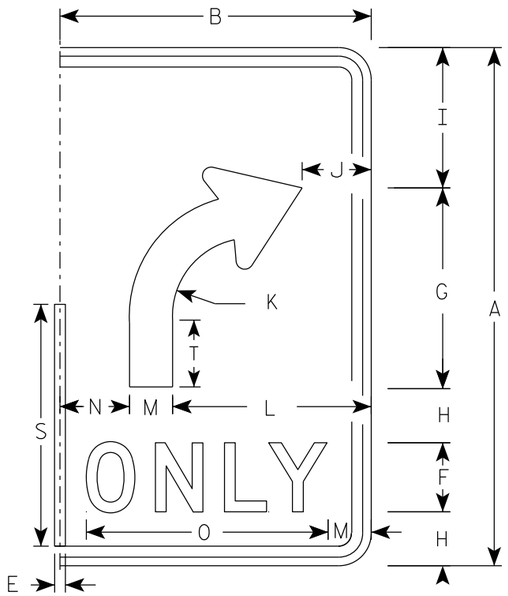
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



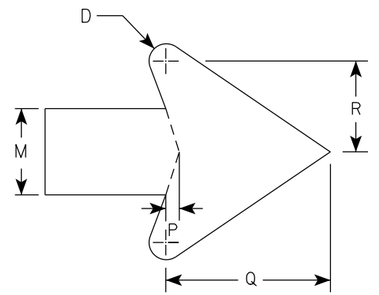
(R)



(R)



(R)



ARROW DETAIL

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

STANDARD SIGN
R3-8 (R) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

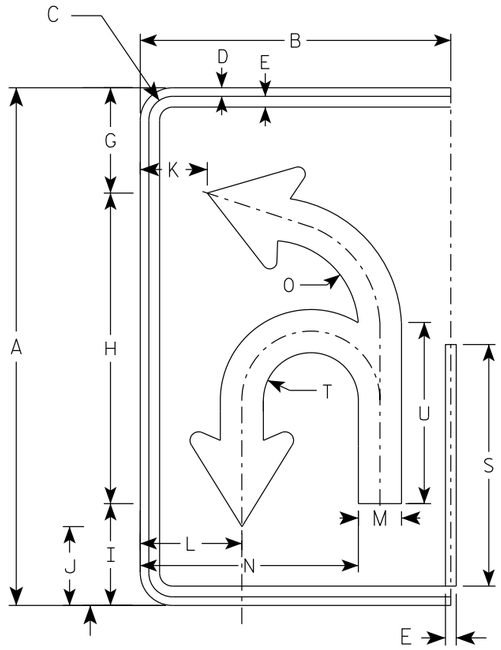
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

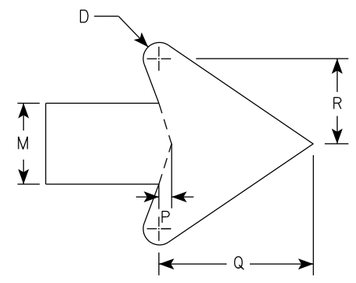
SHEET NO: 285 **E**

NOTES

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



(U)



ARROW DETAIL

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

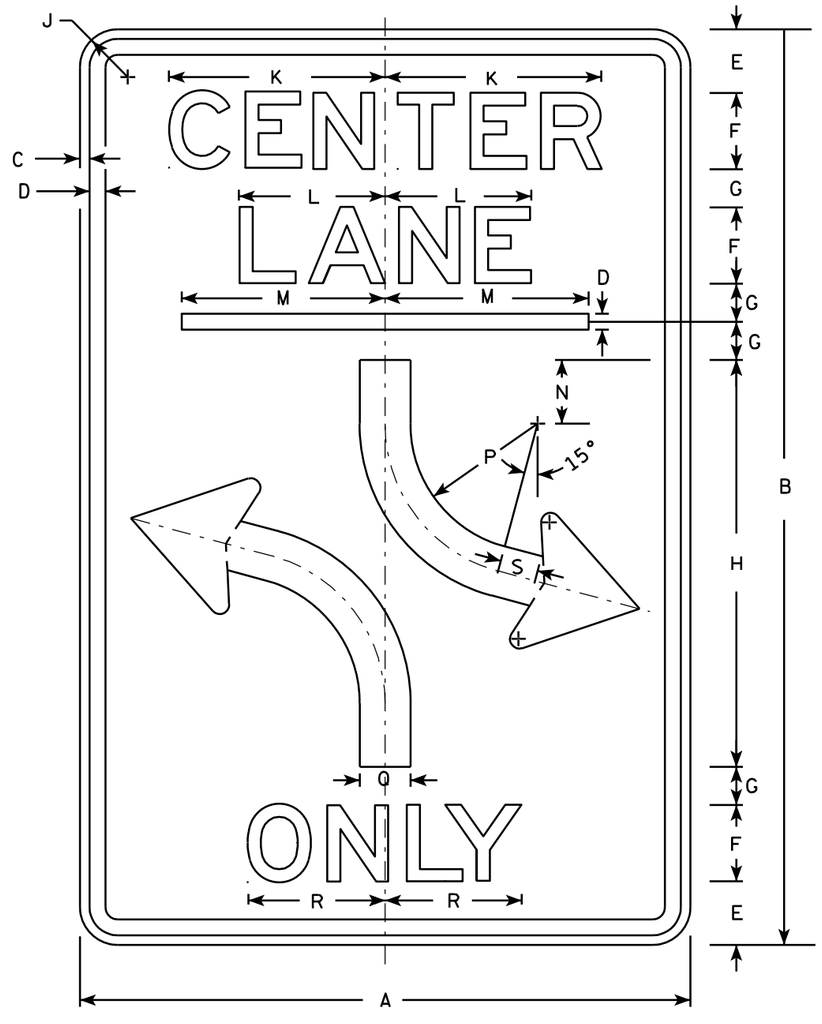
STANDARD SIGN
R3-8 (U) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

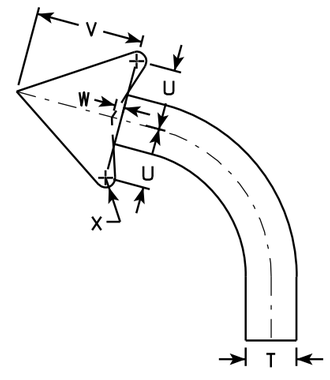
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 286 | E



R3-9B

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	3/8	1/2	2 1/2	3	1 1/2	16		1 1/2	8 1/2	5 3/4	8	2 1/2		6	2	5 1/8	1 1/2		2 3/8	4 3/8	3/8				6.0
2M	24	36	3/8	1/2	2 1/2	3	1 1/2	16		1 1/2	8 1/2	5 3/4	8	2 1/2		6	2	5 1/8	1 1/2		2 3/8	4 3/8	3/8				6.0
3	36	48	5/8	7/8	3 1/2	5	1 1/2	20		2 1/4	14 1/8	9 1/2	12	3		4	3	9 7/8	2		3 1/2	6 1/8	1/2				12.0
4																											
5																											

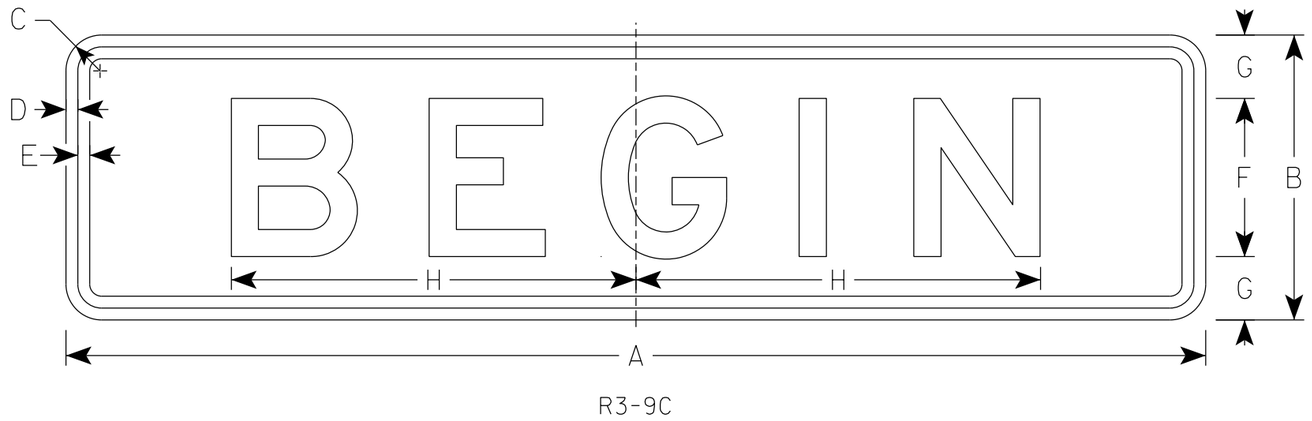
STANDARD SIGN
R3-9B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/24/2011 PLATE NO. R3-9B.5

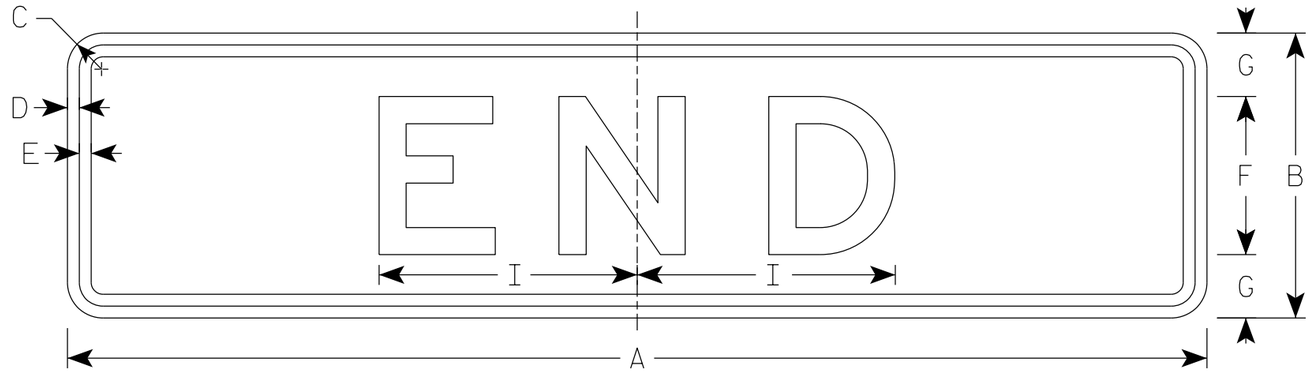
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 287 | E



R3-9C

NOTES

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



R3-9D

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	6	1 1/8	3/8	3/8	3	1 1/2	7 3/4	4 7/8																		1.0
2M	24	6	1 1/8	3/8	3/8	3	1 1/2	7 3/4	4 7/8																		1.0
3	36	9	1 1/8	3/8	3/8	5	2	12 3/4	8 1/8																		2.25
4																											
5																											

STANDARD SIGN
R3-9C & R3-9D

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2021 PLATE NO. R3-9C.3

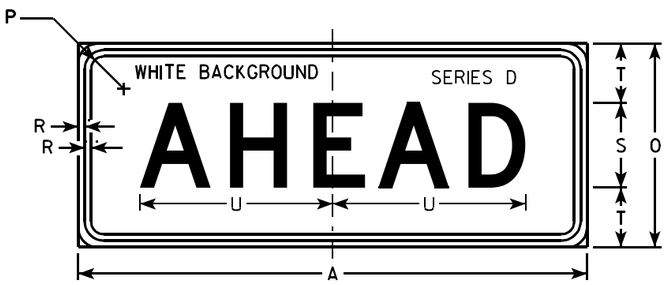
PROJECT NO: | HWY: | COUNTY: | SHEET NO: E



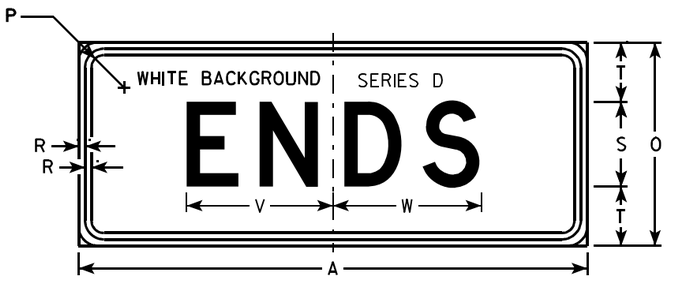
R3-17

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - AS SHOWN
   Message - BLACK
3. Message Series - C or as noted on the Signs.
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.



R3-17ap



R3-17bp

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	R3-17 Area sq. ft.	R3-17ap Area sq. ft.	R3-17bp Area sq. ft.
1																													
2S	30	24	1 1/8	3/8	1/2	2	4	4 1/8	7 7/8	6 3/8	9 1/2	2 5/8	7/8	13	12	1 1/8	3 3/8	3/8	5	3 1/2	11 3/8	8 5/8	8 3/4	2 3/8	15 5/8	8	5.0	2.5	2.5
2M	30	24	1 1/8	3/8	1/2	2	4	4 1/8	7 7/8	6 3/8	9 1/2	2 5/8	7/8	13	12	1 1/8	3 3/8	3/8	5	3 1/2	11 3/8	8 5/8	8 3/4	2 3/8	15 5/8	8	5.0	2.5	2.5
3																													
4																													
5																													

STANDARD SIGN
R3-17 & R3-17a&bp

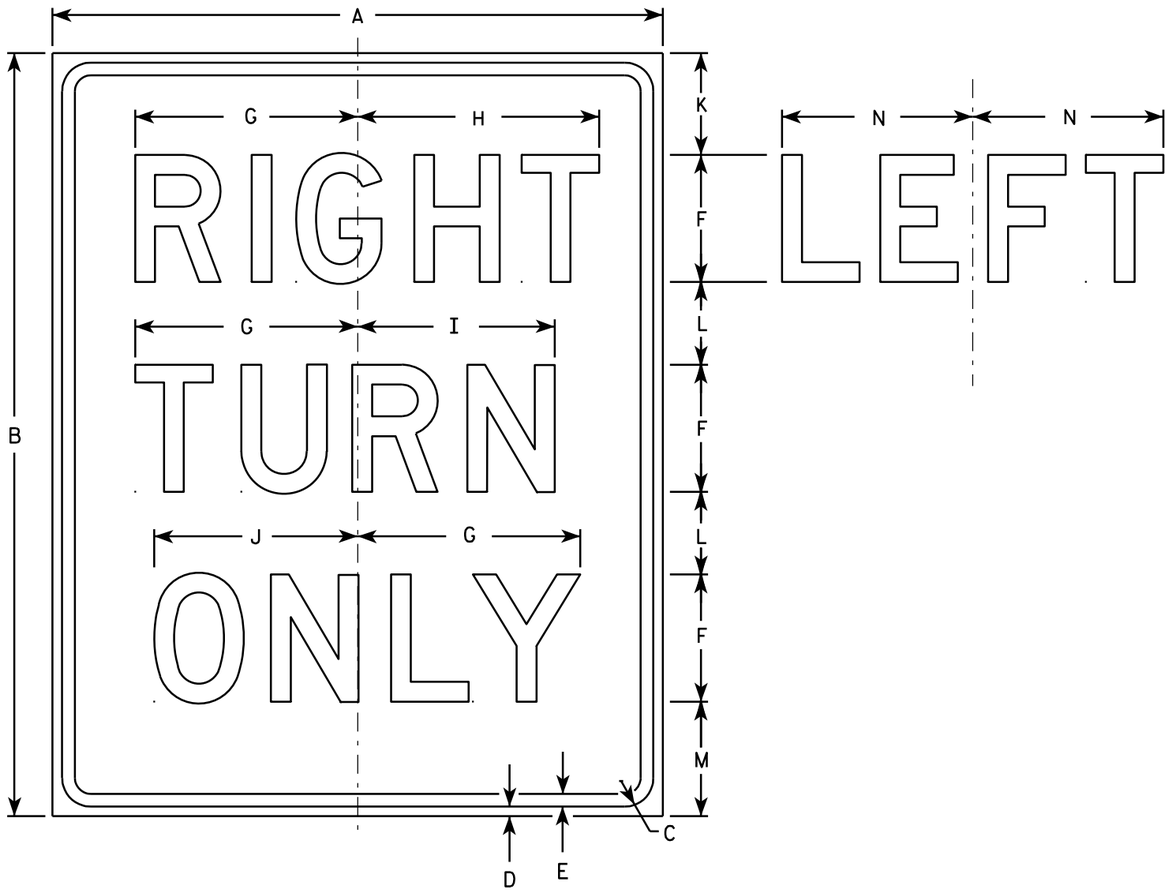
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/12/2011 PLATE NO. R3-17.2

PROJECT NO:

SHEET NO: 289 E



R3-53R

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. R3-53L same as R3-53R except LEFT is substituted for 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																											
2S	24	30	1 1/8	3/8	1/2	5	8 3/4	9 1/2	7 3/4	8	4	3 1/4	4 1/2	7 1/2													5.0
2M	24	30	1 1/8	3/8	1/2	5	8 3/4	9 1/2	7 3/4	8	4	3 1/4	4 1/2	7 1/2													5.0
3	24	30	1 1/8	3/8	1/2	5	8 3/4	9 1/2	7 3/4	8	4	3 1/4	4 1/2	7 1/2													5.0
4																											
5																											

STANDARD SIGN
R3-53

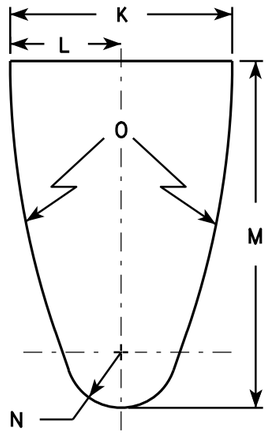
WISCONSIN DEPT OF TRANSPORTATION

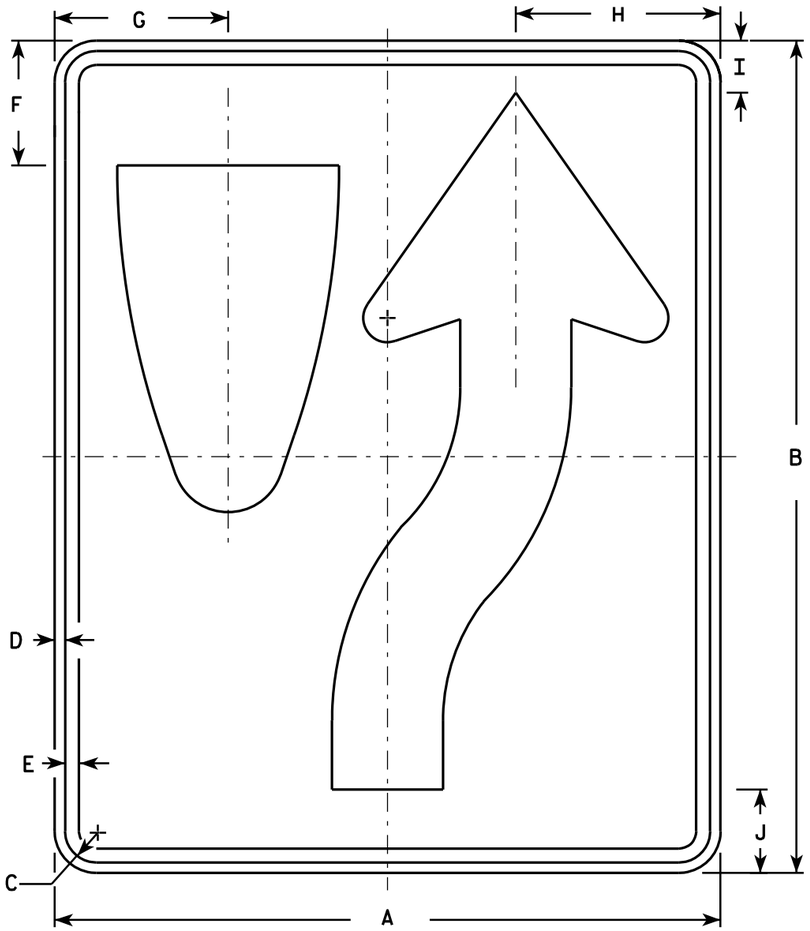
APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 3/24/2011 PLATE NO. R3-53.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 290 | E

7

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R353.DGN PLOT DATE : 24-MAR-2011 14:54 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.959043:1.000000
WISDOT/CADDS SHEET 42

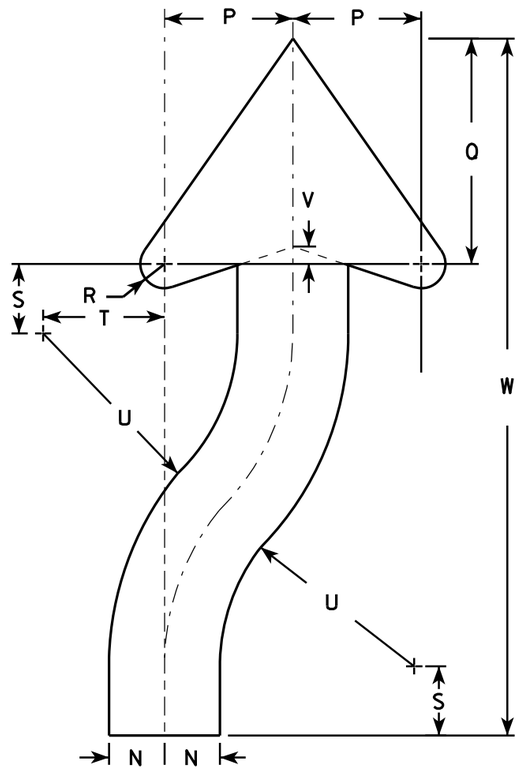




R4-7

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. material is plywood but borders shall be rounded
2. Color:
   Background - White
   Message - Black
3. Corners may be square or rounded when base as shown. When base material is metal, the corners and borders shall be rounded.
4. R4-8 is the same as R4-7 except Legend is reversed.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3 3/8	4 3/4	5 1/2	1 3/8	2 1/4	6	3	9 3/8	1 1/2	22 1/2	3 1/2	6 1/8	5/8	1 7/8	3 1/4	6 3/4	1/2	20 3/8				3.0
2S	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
2M	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
3	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
4	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
5	48	60	2 1/4	3/4	1	9	12 1/2	14 3/4	3 3/4	6	16	8	25	4	60	9 1/4	16 1/4	1 5/8	5	8 3/4	18	1 1/4	50 1/4				20.0

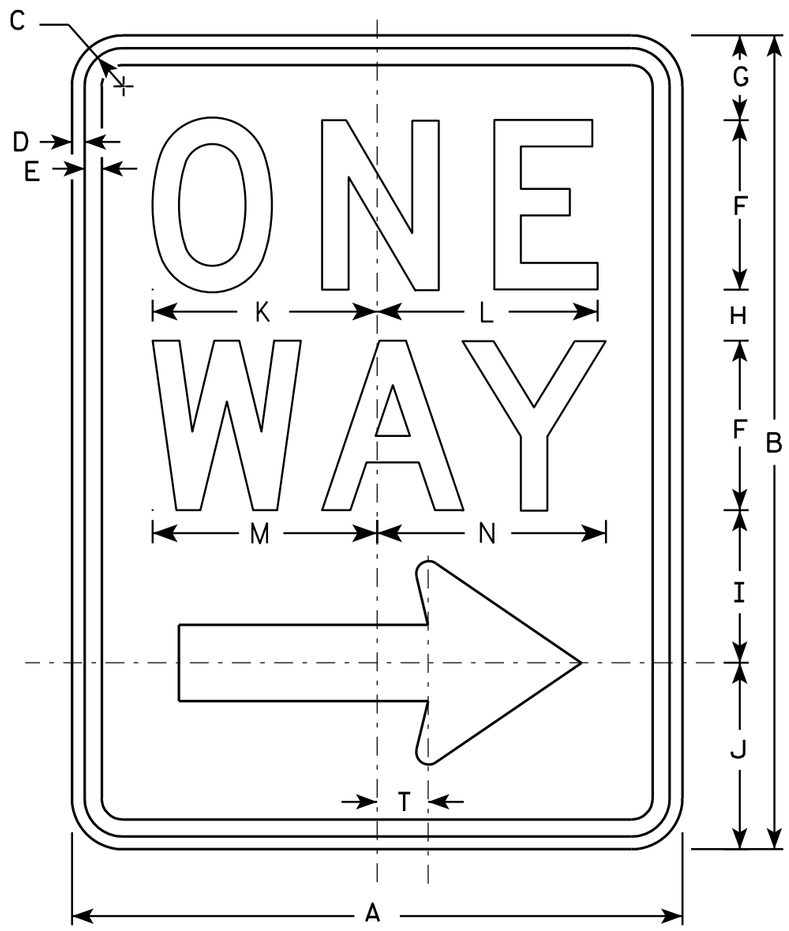
STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-7.8

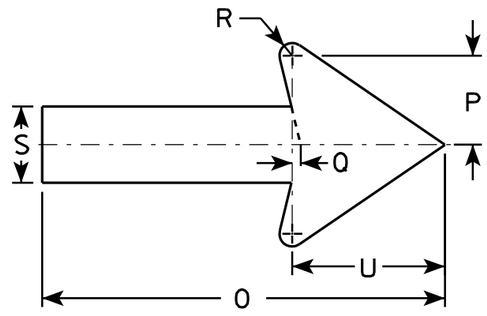
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 291	E



R6-2R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. R6-2L same as R6-2R except arrow points to the left.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1	18	24	1 1/8	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 1/2	6 5/8	6 1/2	6 5/8	6 3/4	11 7/8	2 5/8	1/4	3/8	2 1/4	1 1/2	4 1/2					
2S	24	30	1 1/8	3/8	1/2	6	3	2 1/2	5 1/2	7	8 1/8	8 1/8	8 1/2	8 5/8	16	3 1/2	3/8	1/2	3	2	6					
2M	30	36	1 3/8	1/2	5/8	8	2 1/2	2 5/8	6 7/8	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
4	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
5																										

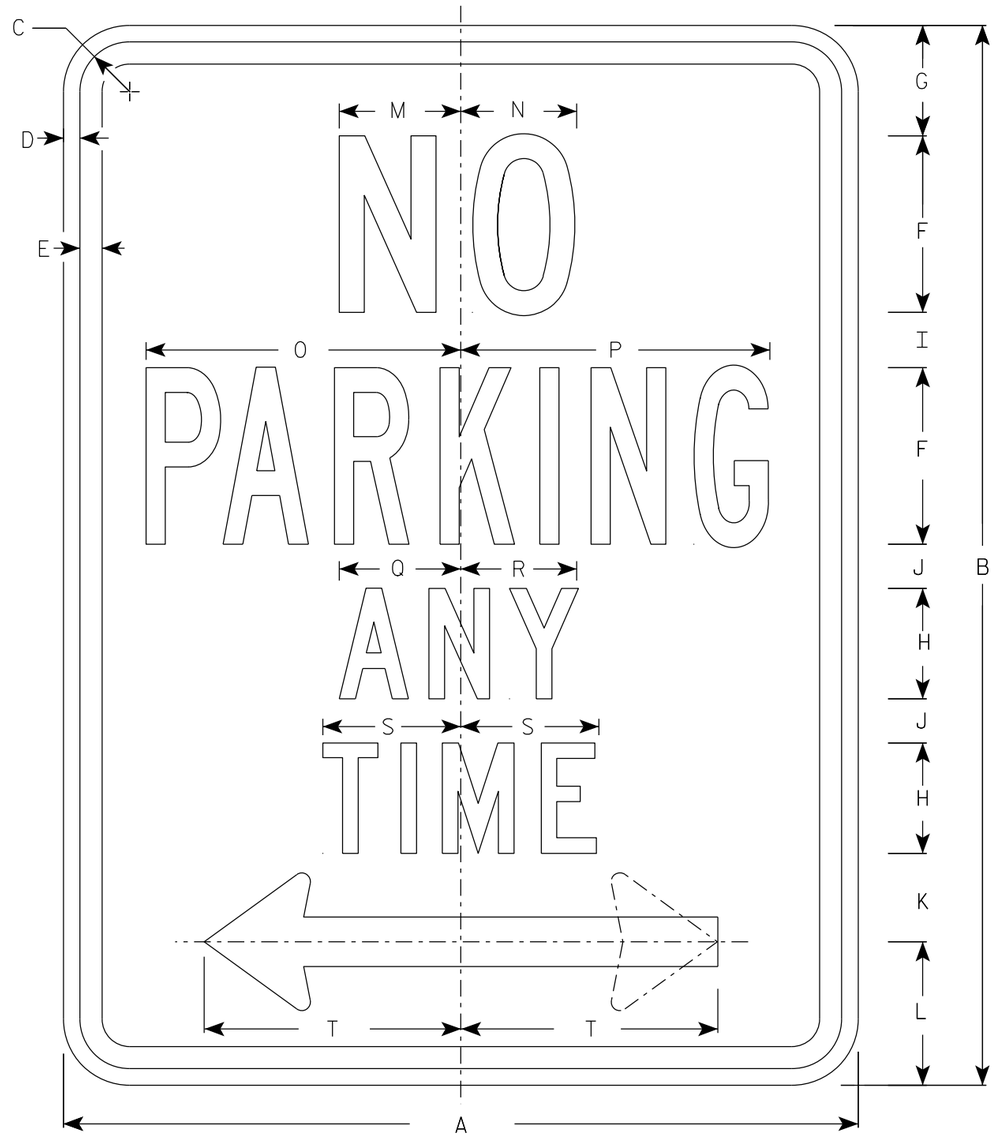
STANDARD SIGN
R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8

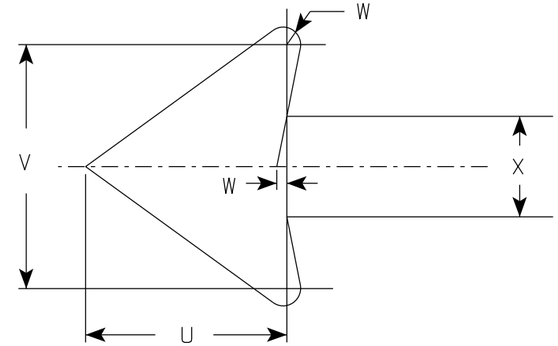
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 292 | E



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																											

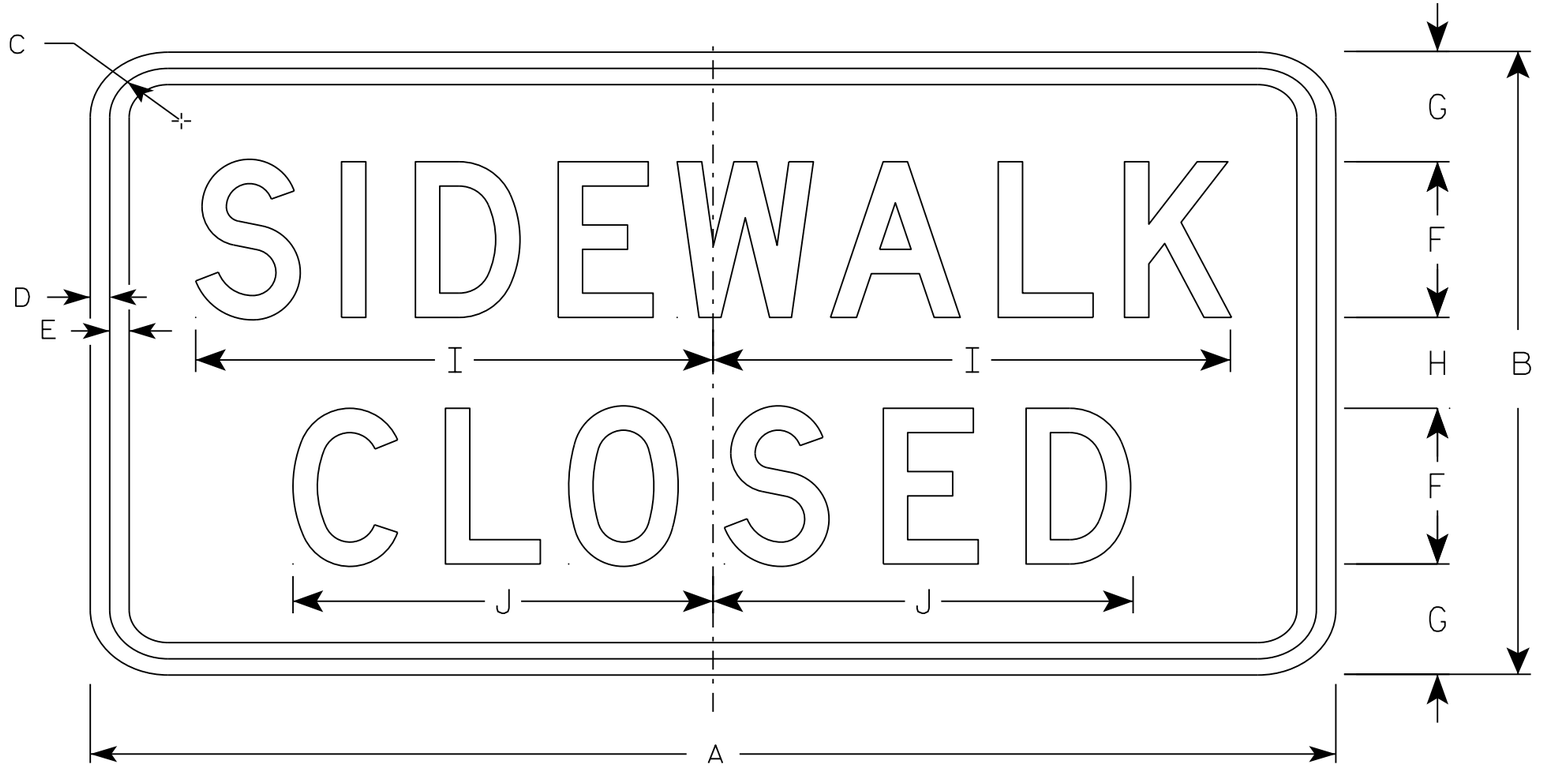
STANDARD SIGN
R7-1

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: 293 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

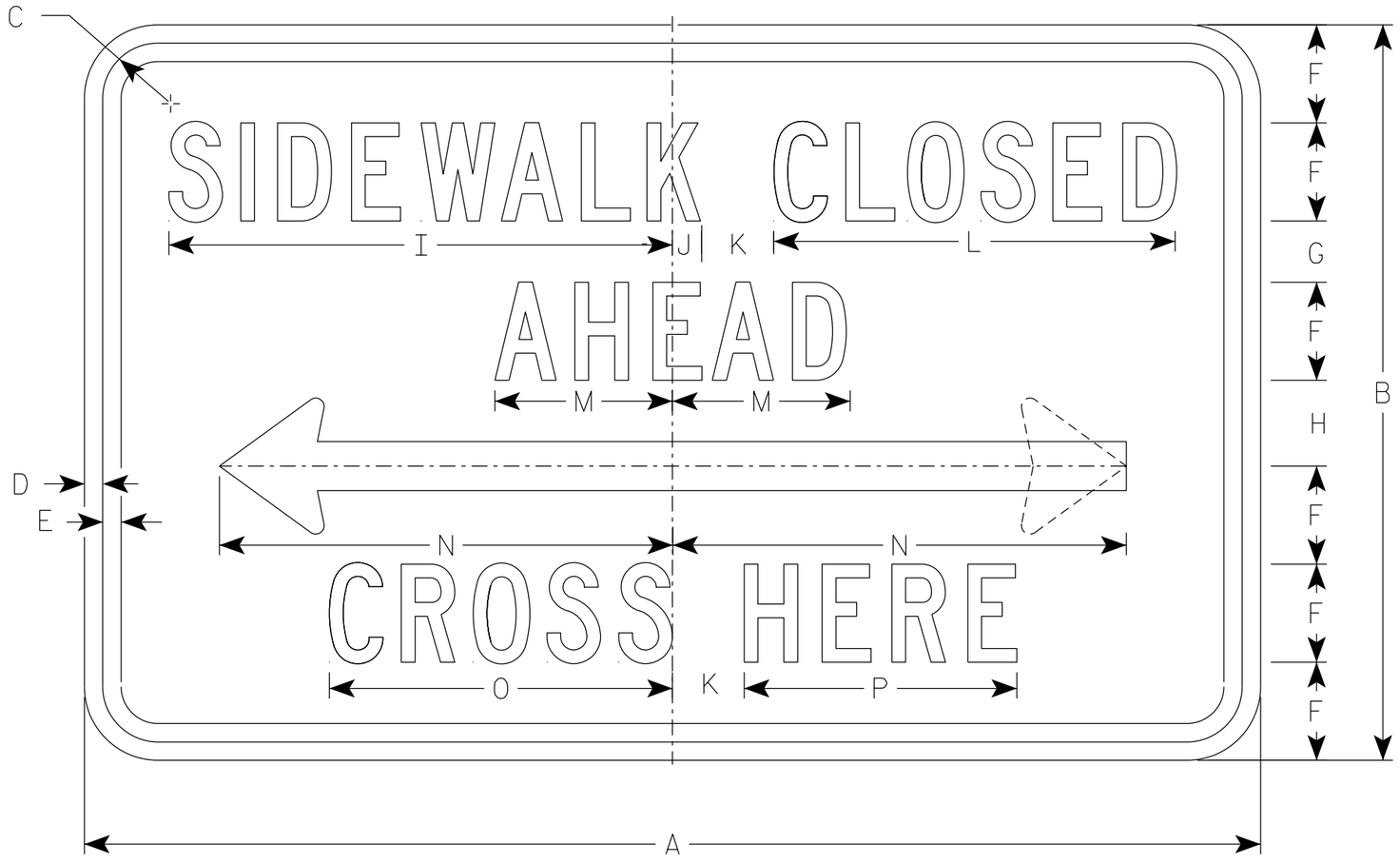
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

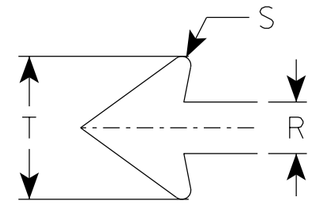
DATE 8/11/16 PLATE 294 R9-9.6

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

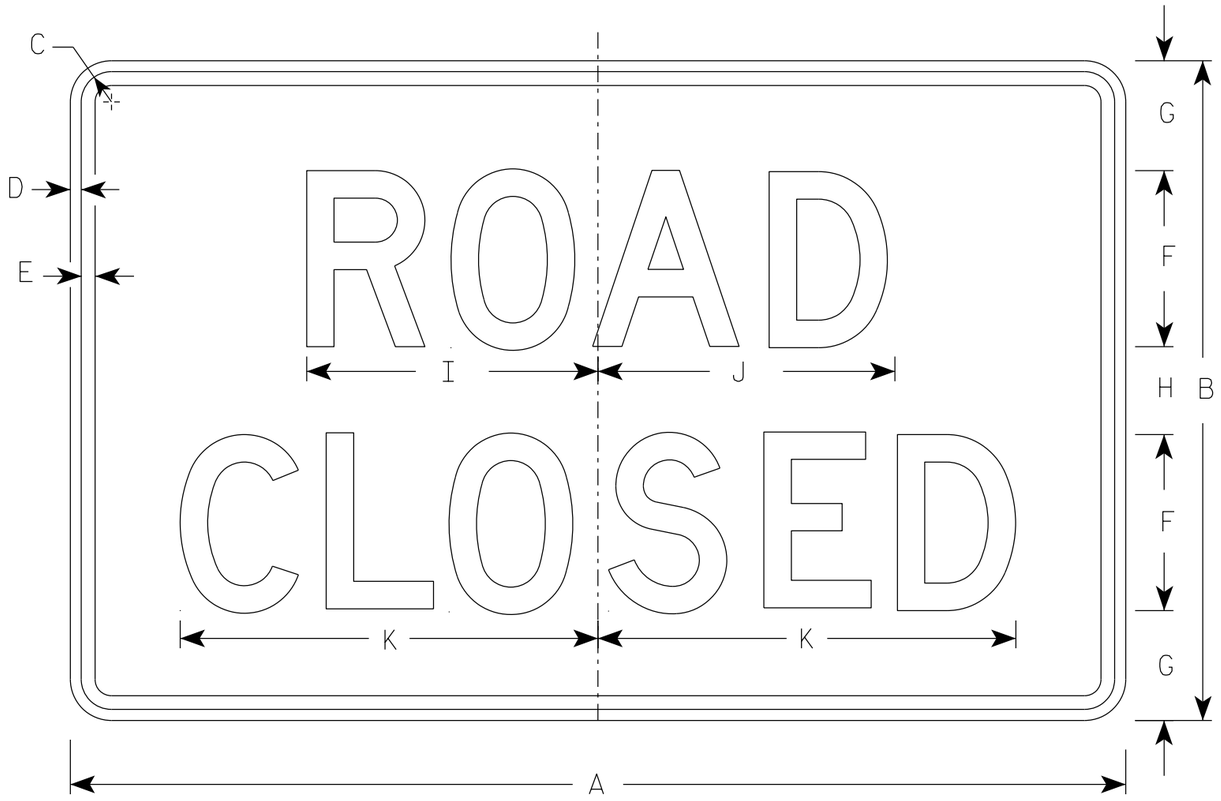
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 3/30/2021 PLATE NO. R9-11.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 295 | E

7

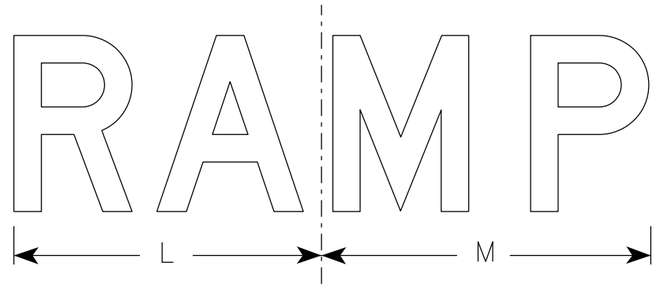
7



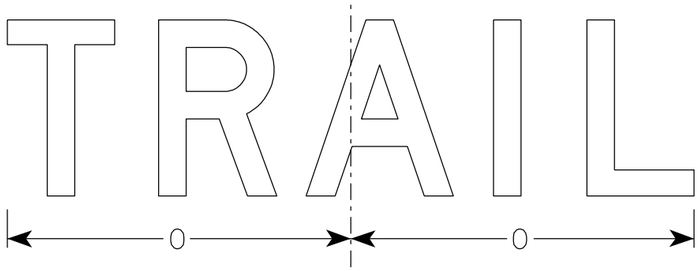
R11-2

NOTES

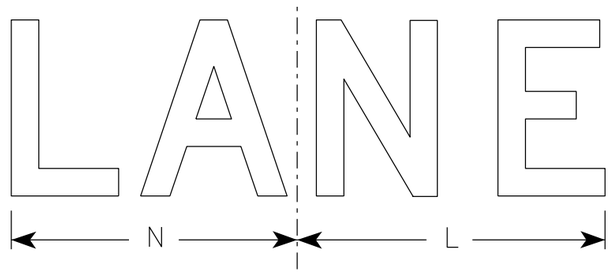
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the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

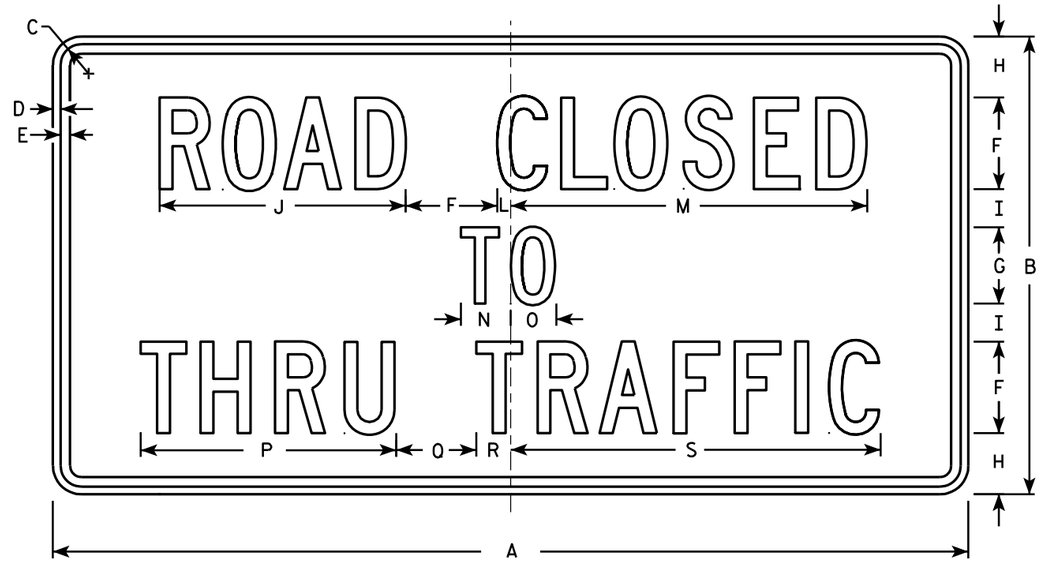
STANDARD SIGN
R11-2

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: 296	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																											

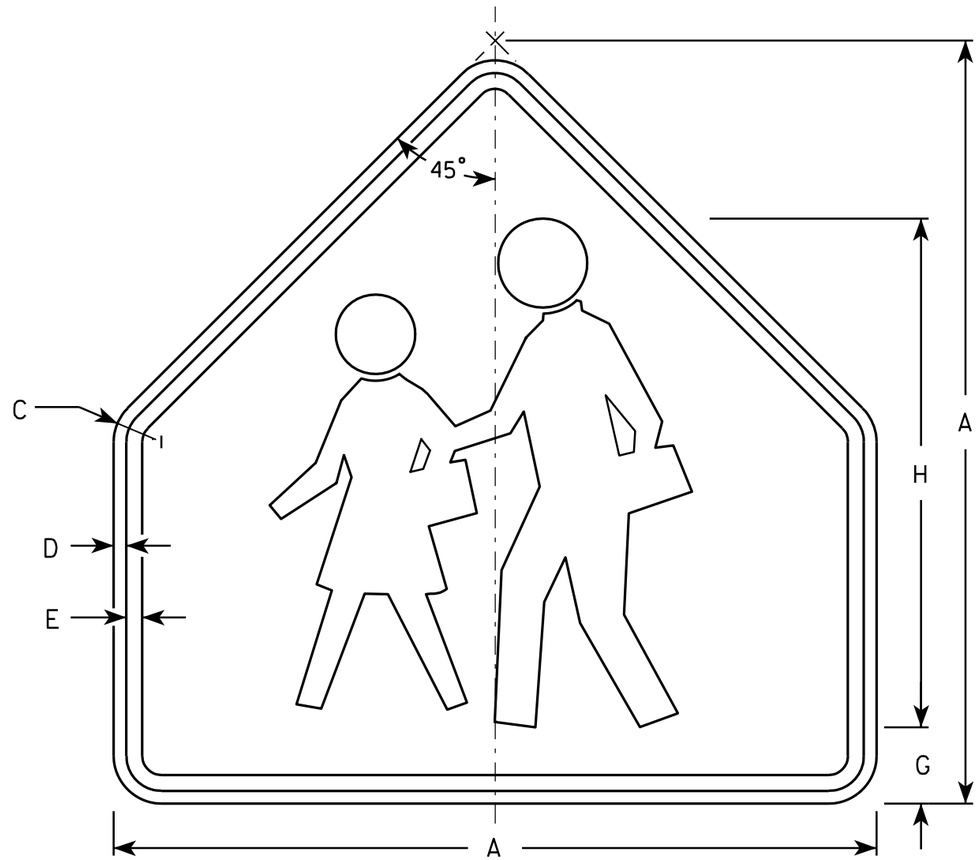
STANDARD SIGN
R11 - 4

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: 297 | 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																											

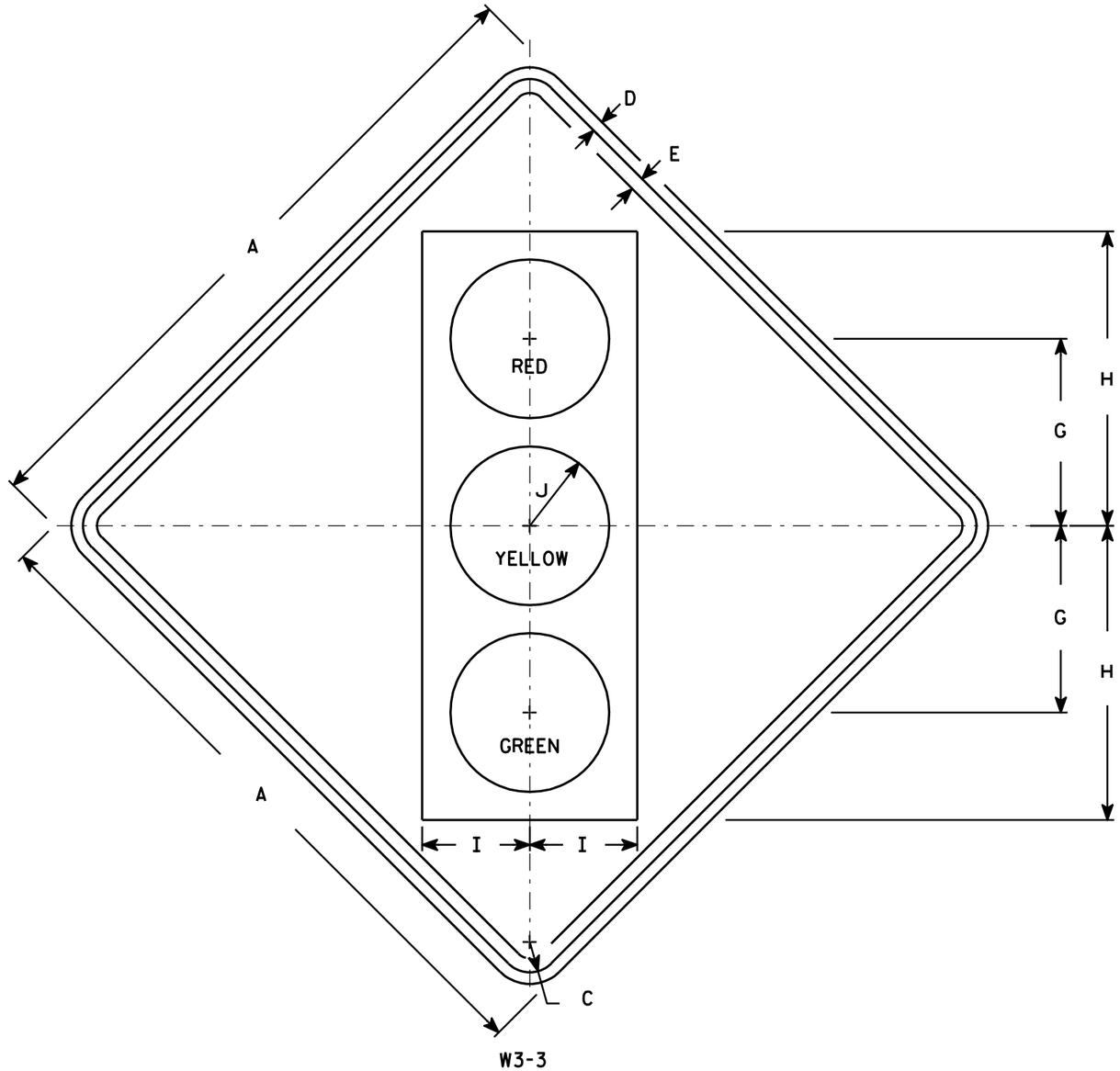
STANDARD SIGN
S1-1

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: 298	E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Symbol and border are non-reflective black.
   Top circle - Type H Reflectorized Red
   Center circle - Same as background
   Bottom circle - Type H Reflectorized Green

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

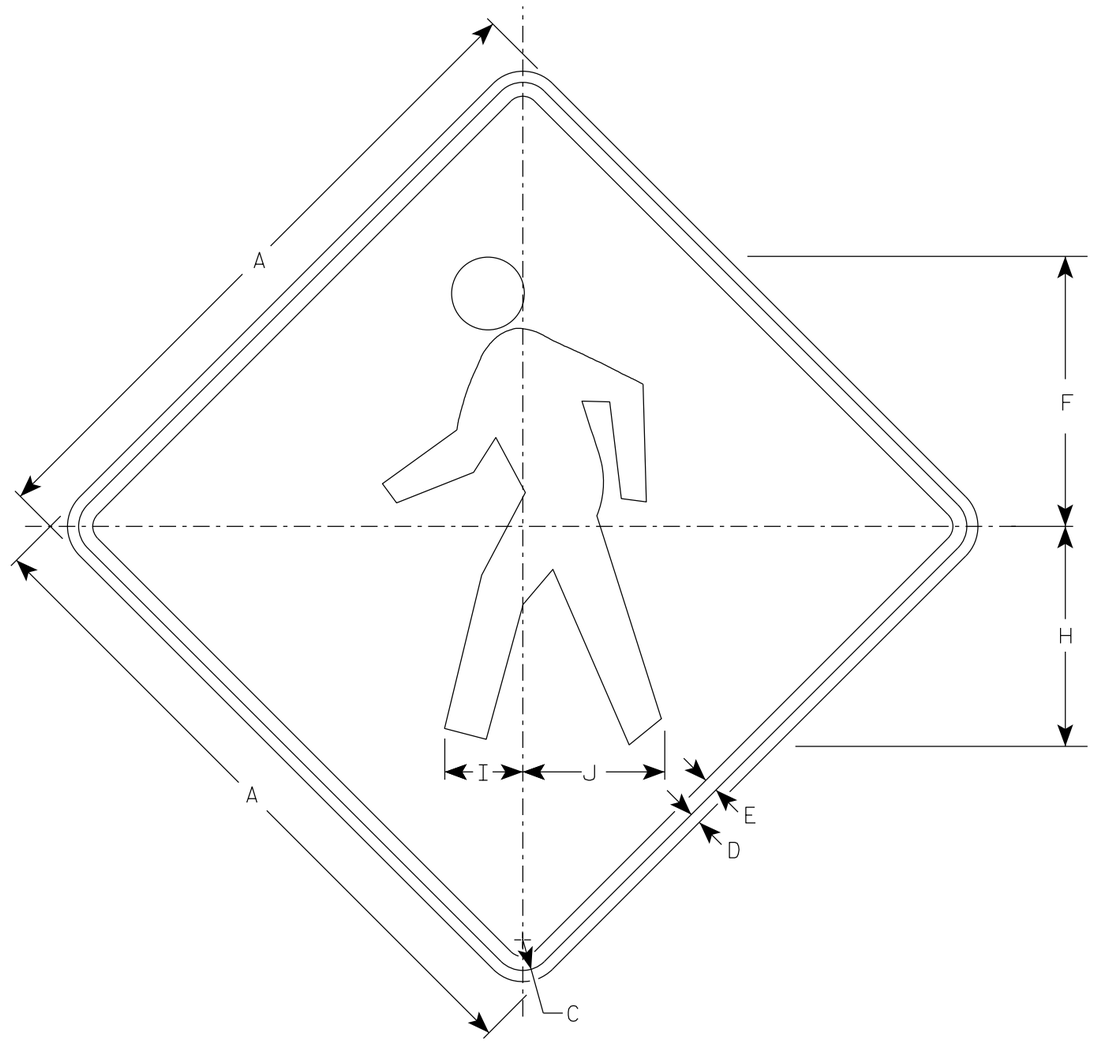
STANDARD SIGN
W3-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-3.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 299 | 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

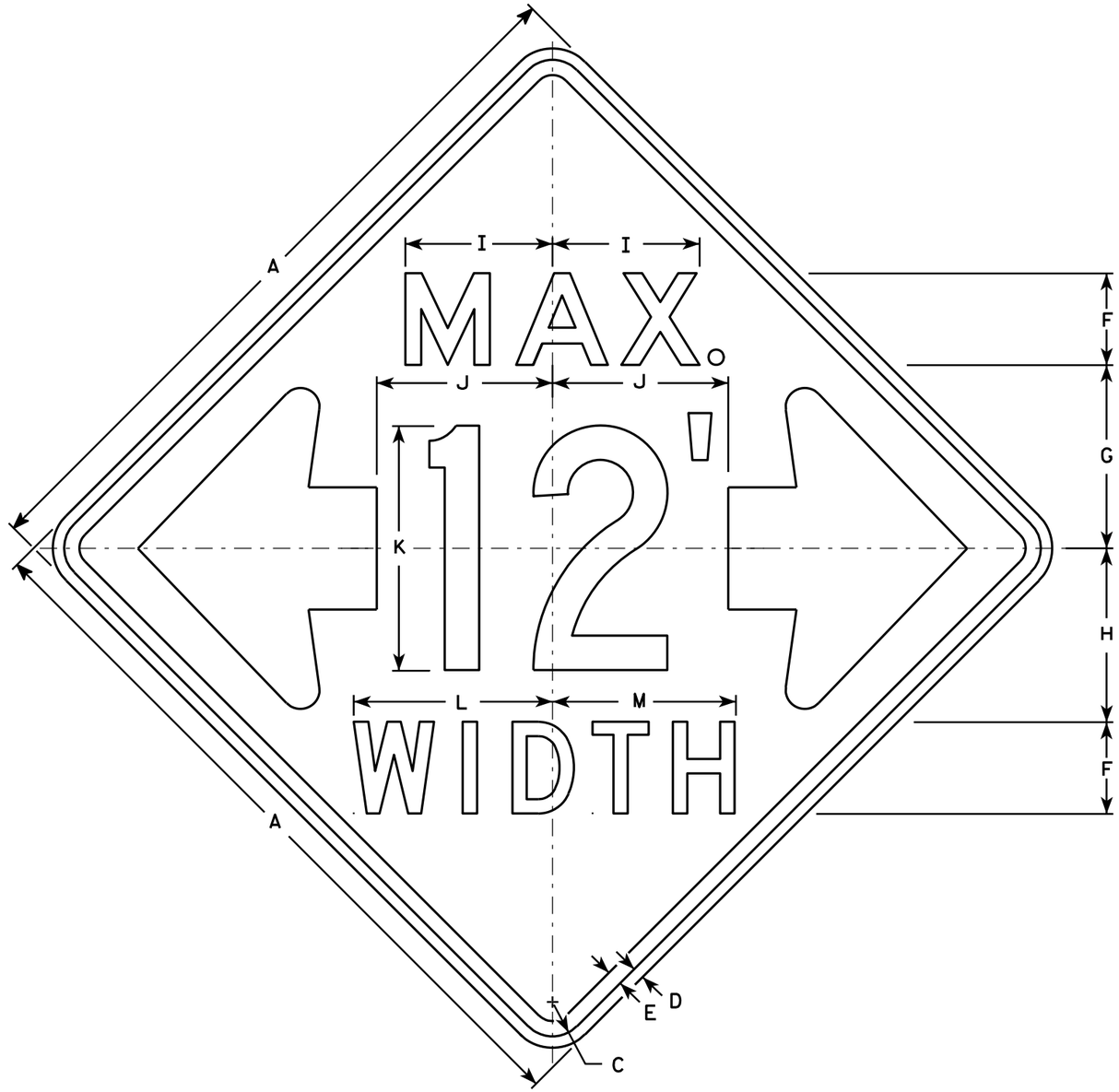
DATE 4/8/2020 PLATE NO. W11-2.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 300 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

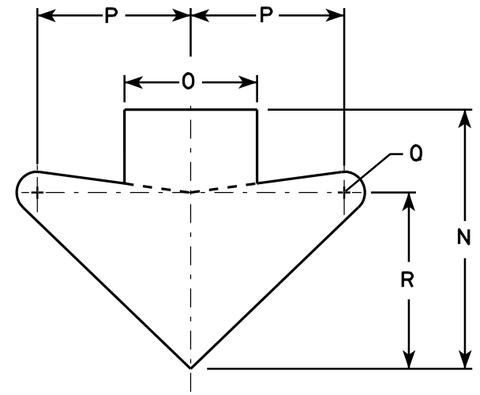
7 7



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

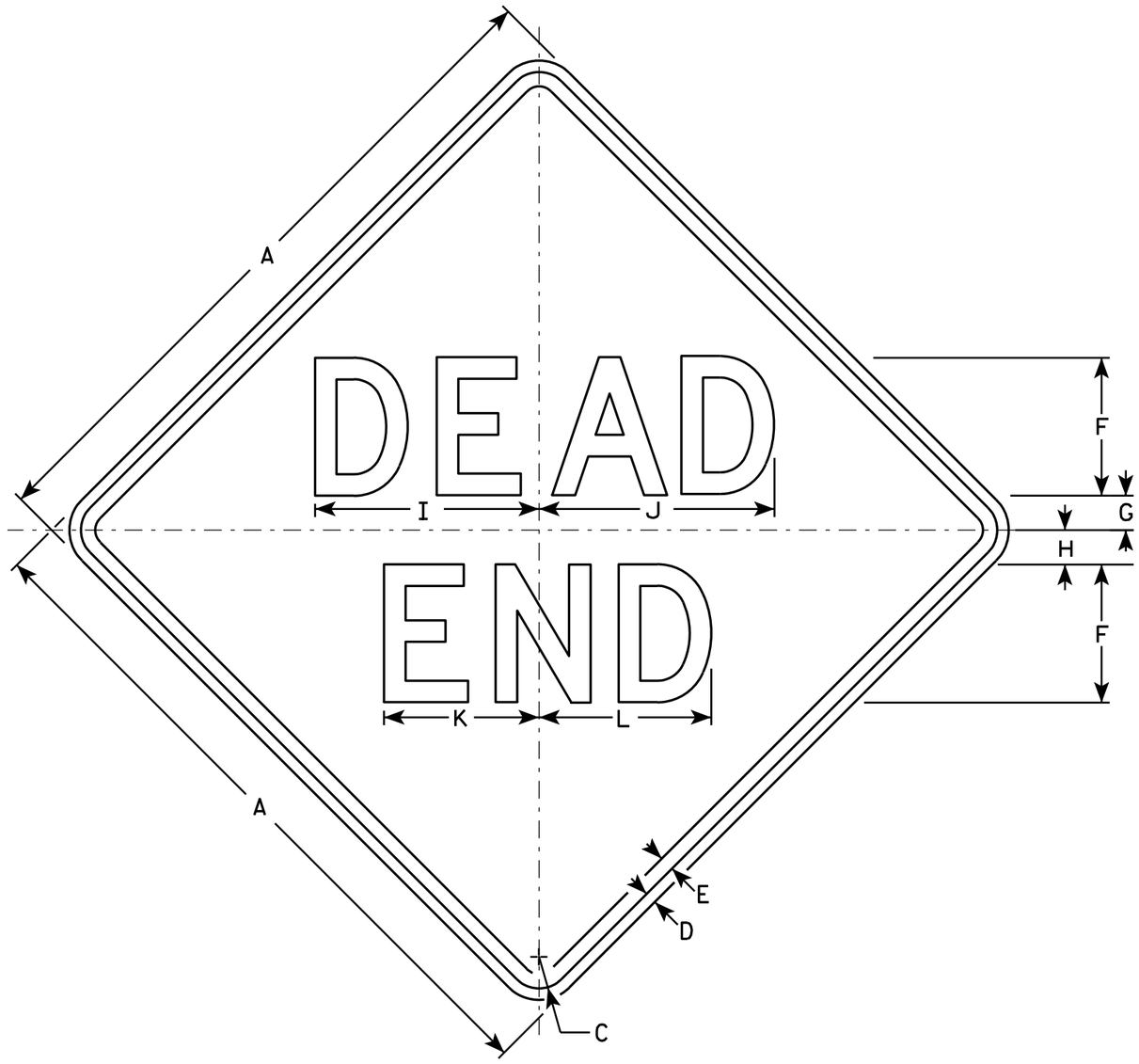
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 301 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W1252.DGN PLOT DATE : 16-MAR-2011 14:45 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.137199:1.000000

WISDOT/CADDS SHEET 42

7

7



W14-1

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
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

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

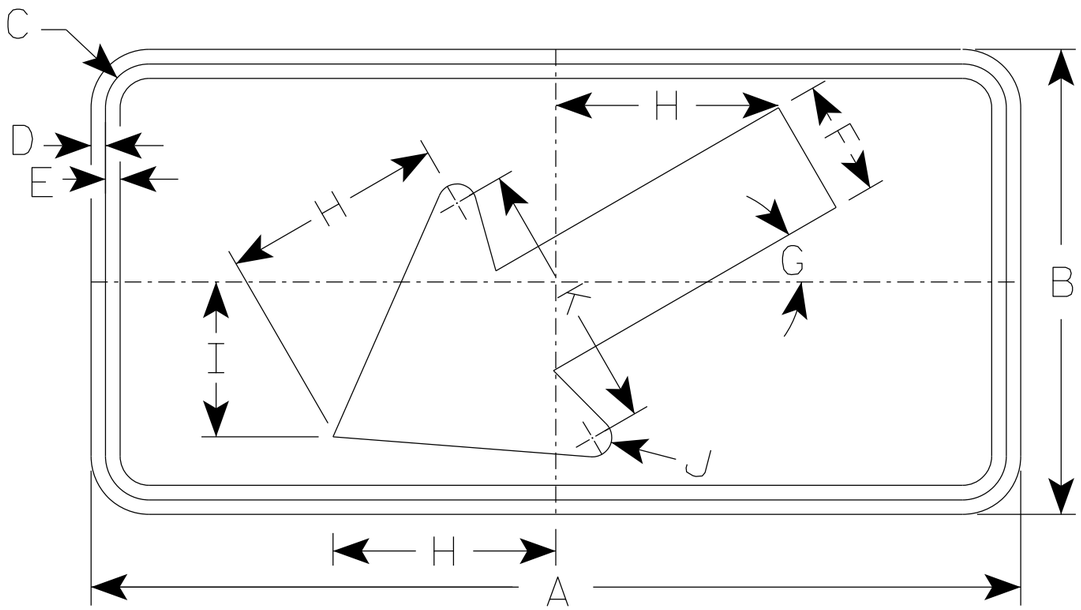
STANDARD SIGN
W14-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W14-1.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 302	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

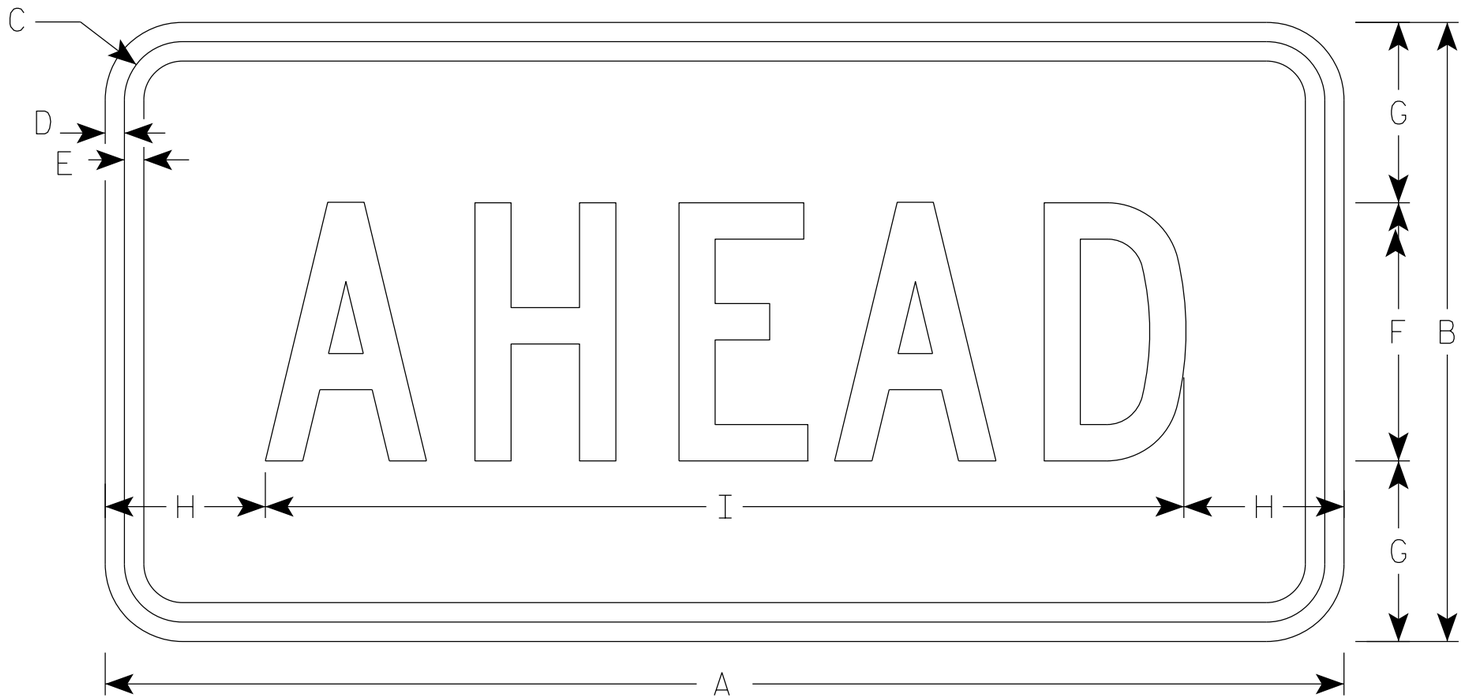
DATE 3/16/2021 PLATE NO. W16-7.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 303 E

7

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

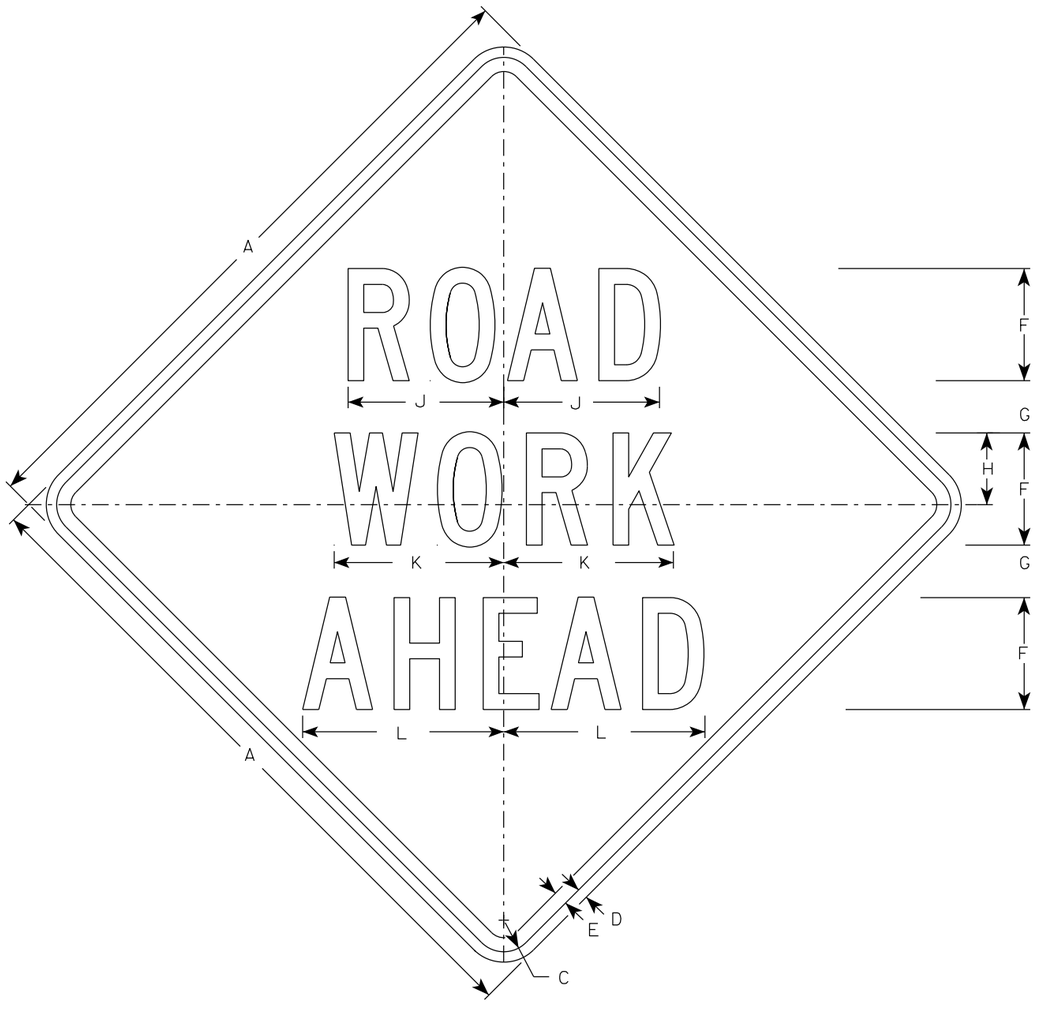
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 304 E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W169P.DGN PLOT DATE : 07-MAR-2019 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

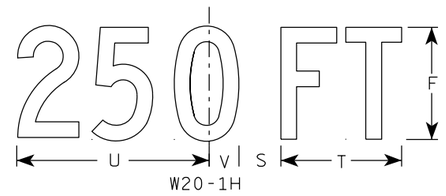
7 7

NOTES

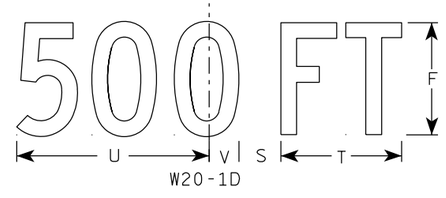
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1A



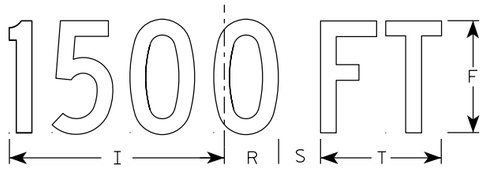
W20-1H



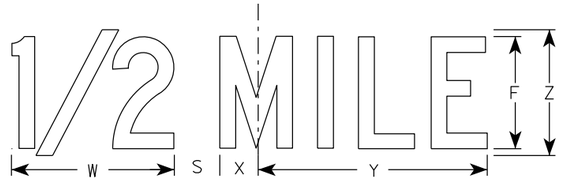
W20-1D



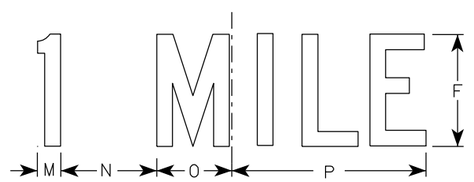
W20-1C



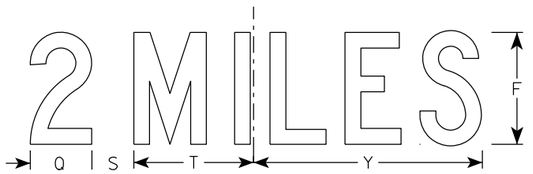
W20-1B



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

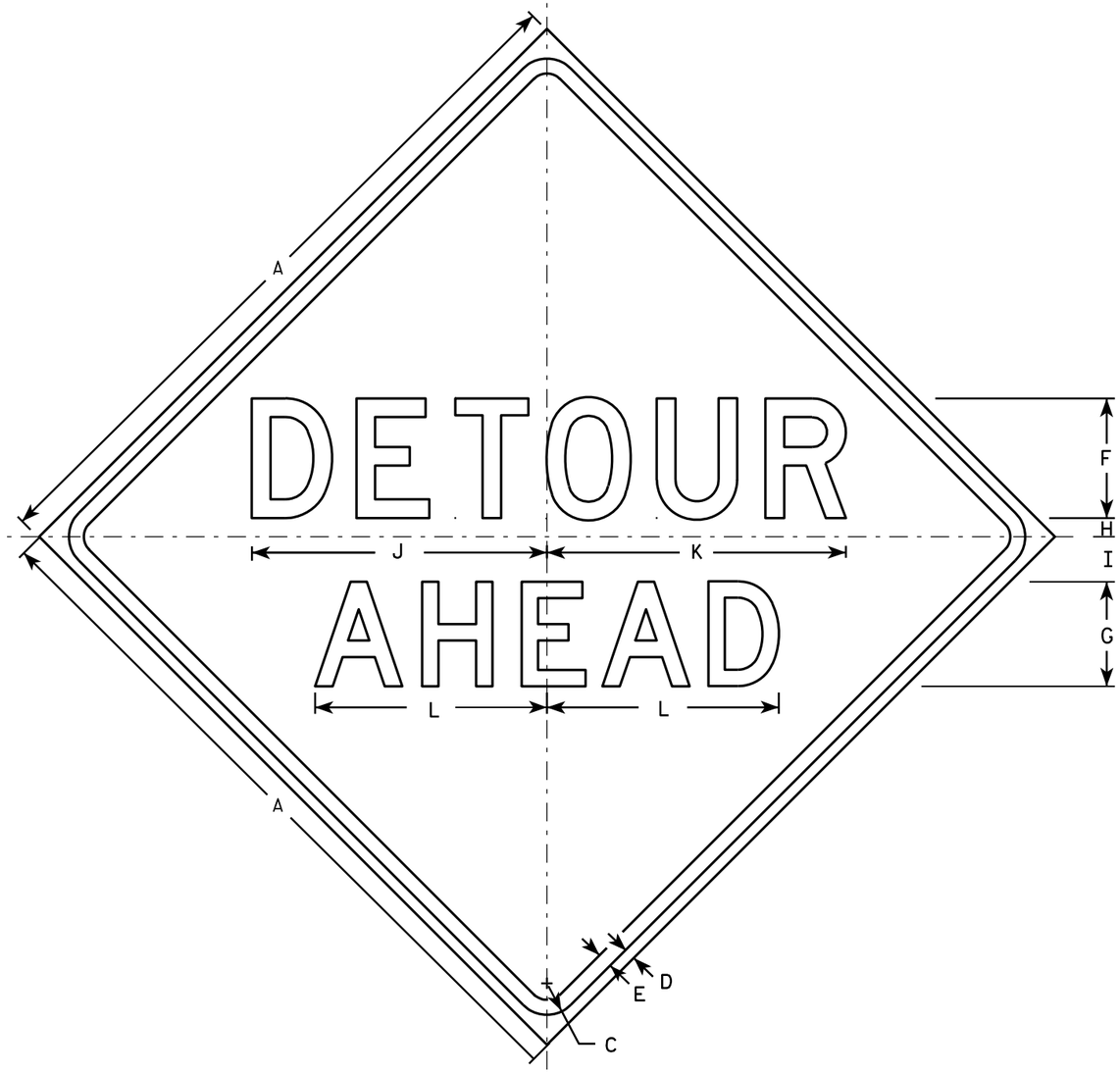
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

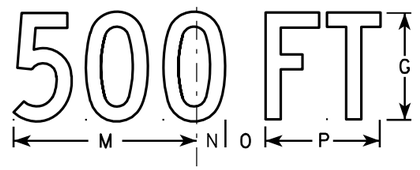
DATE 3/25/2020 PLATE NO. W20-1.11

PROJECT NO:

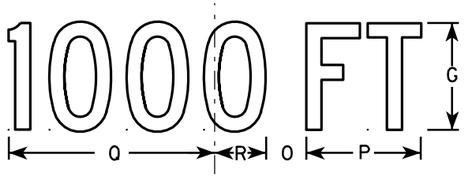
SHEET NO: E



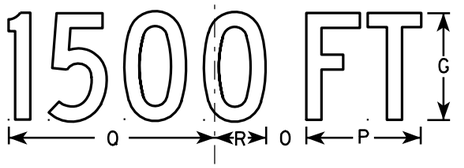
W20-2A



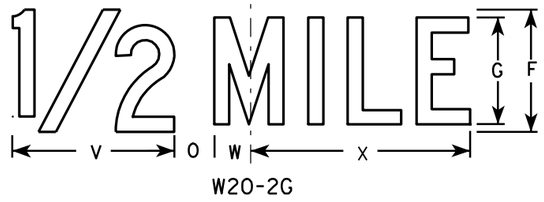
W20-2D



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

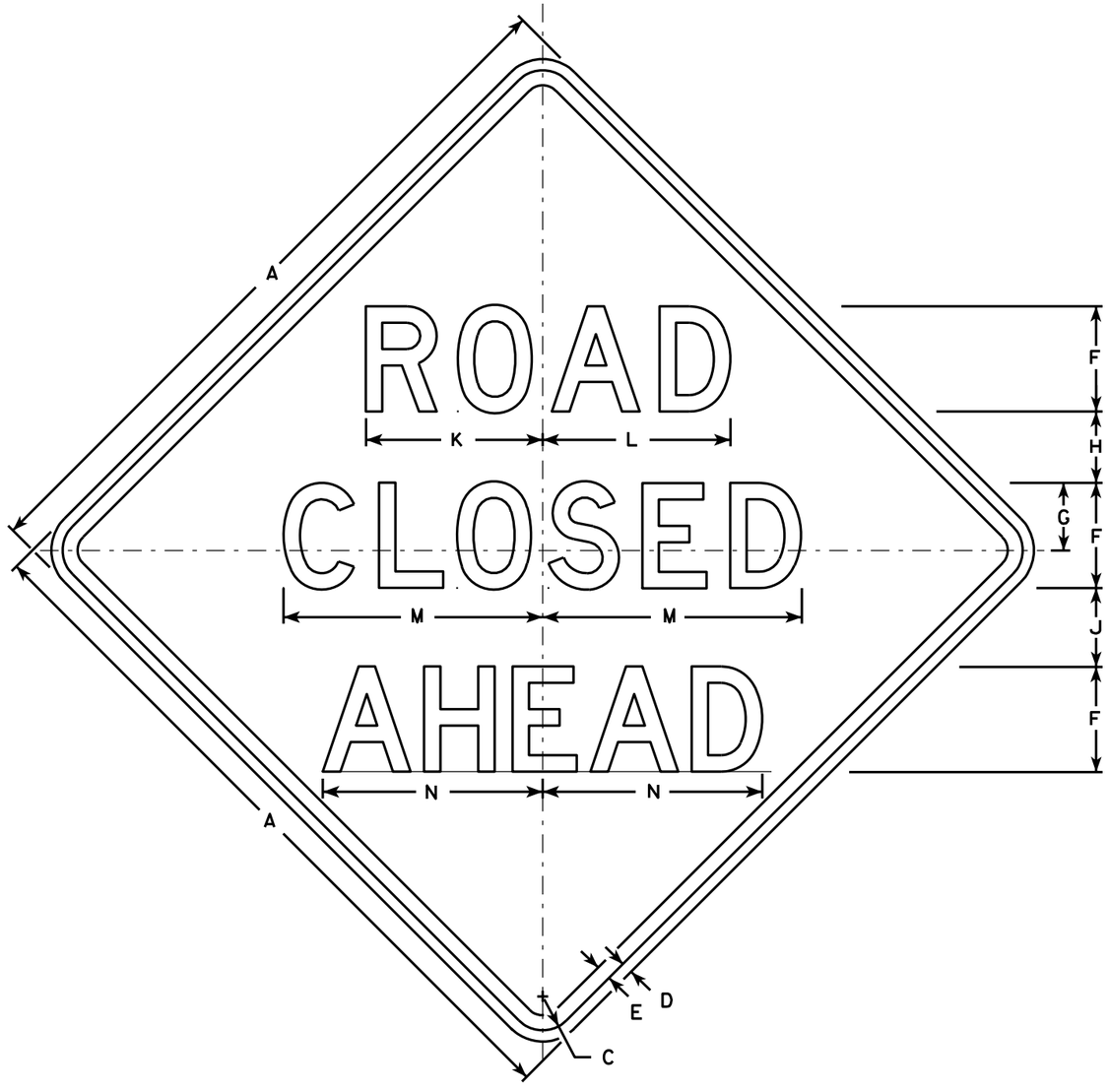
STANDARD SIGN
W20-2A,B,C,D,F & G

WISCONSIN DEPT OF TRANSPORTATION

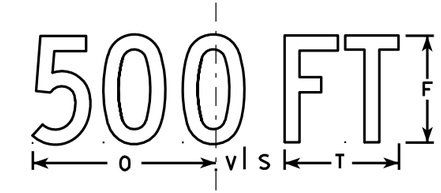
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-2.6

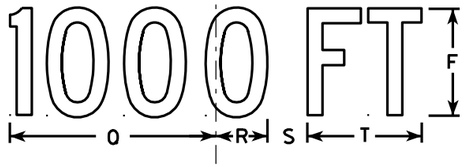
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 306	E



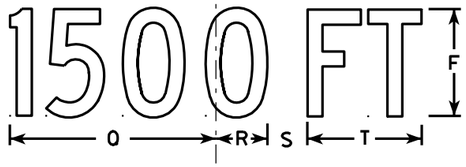
W20-3A



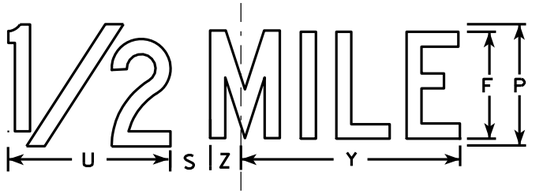
W20-3D



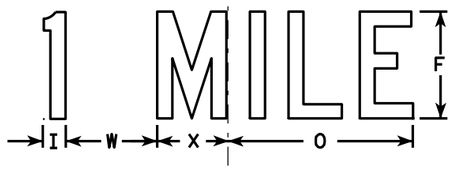
W20-3C



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

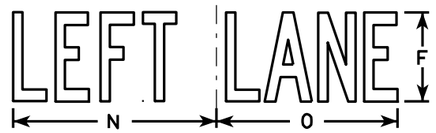
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 3/18/11 PLATE NO. W20-3.7

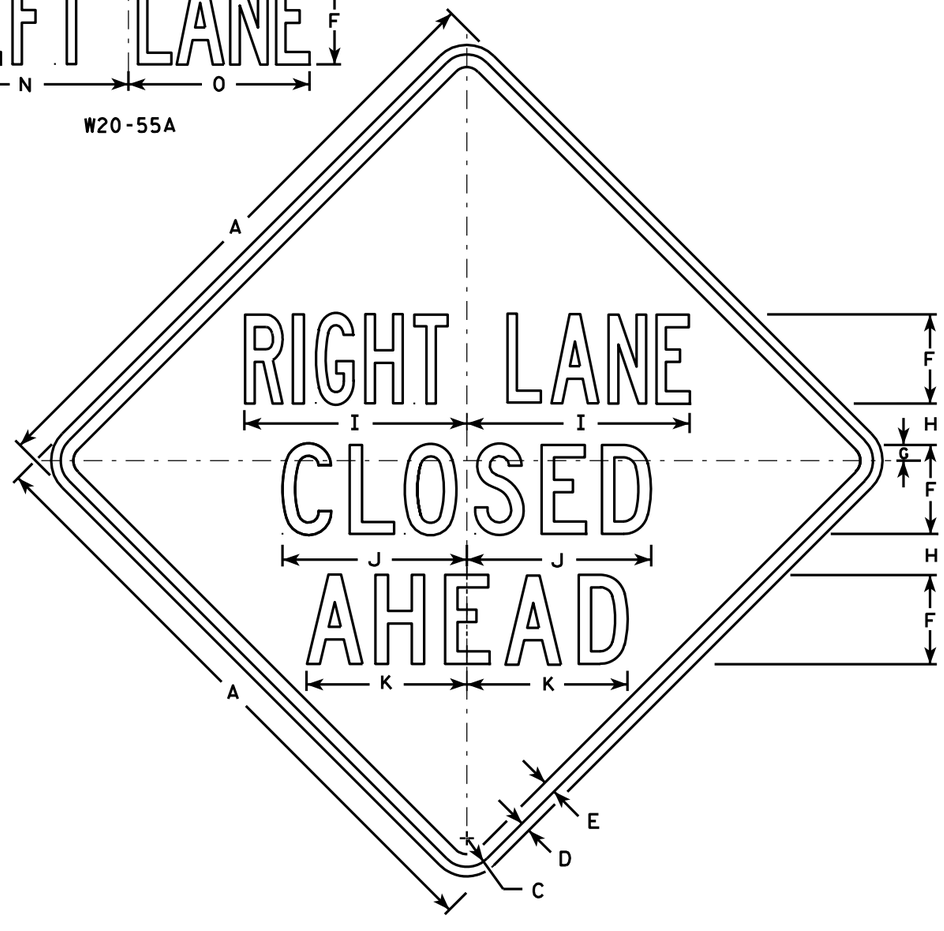
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 307 | E



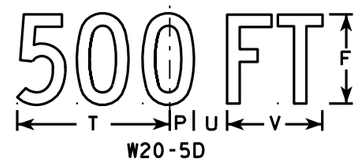
W20-56A



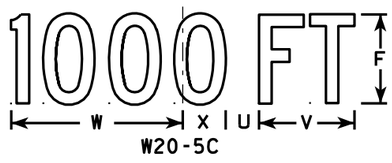
W20-55A



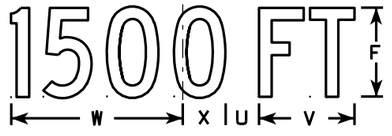
W20-5A



W20-5D



W20-5C



W20-5B



W20-5G



W20-5F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. " _____ LANE" is Series B.
   All other copy is Series C.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	6	1 5/8	5/8	3/4	5	1/8	2 1/2	13 1/8	10 3/4	9 1/2	14 1/4	13 5/8	12	12	1 3/8	1 1/8	4 1/2	3 1/2	9	1 1/8	5 5/8	10 1/8	2 1/2	1 3/4	8	9.0
2S	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
2M	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
3	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
4	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
5	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0

STANDARD SIGN
W20-5A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

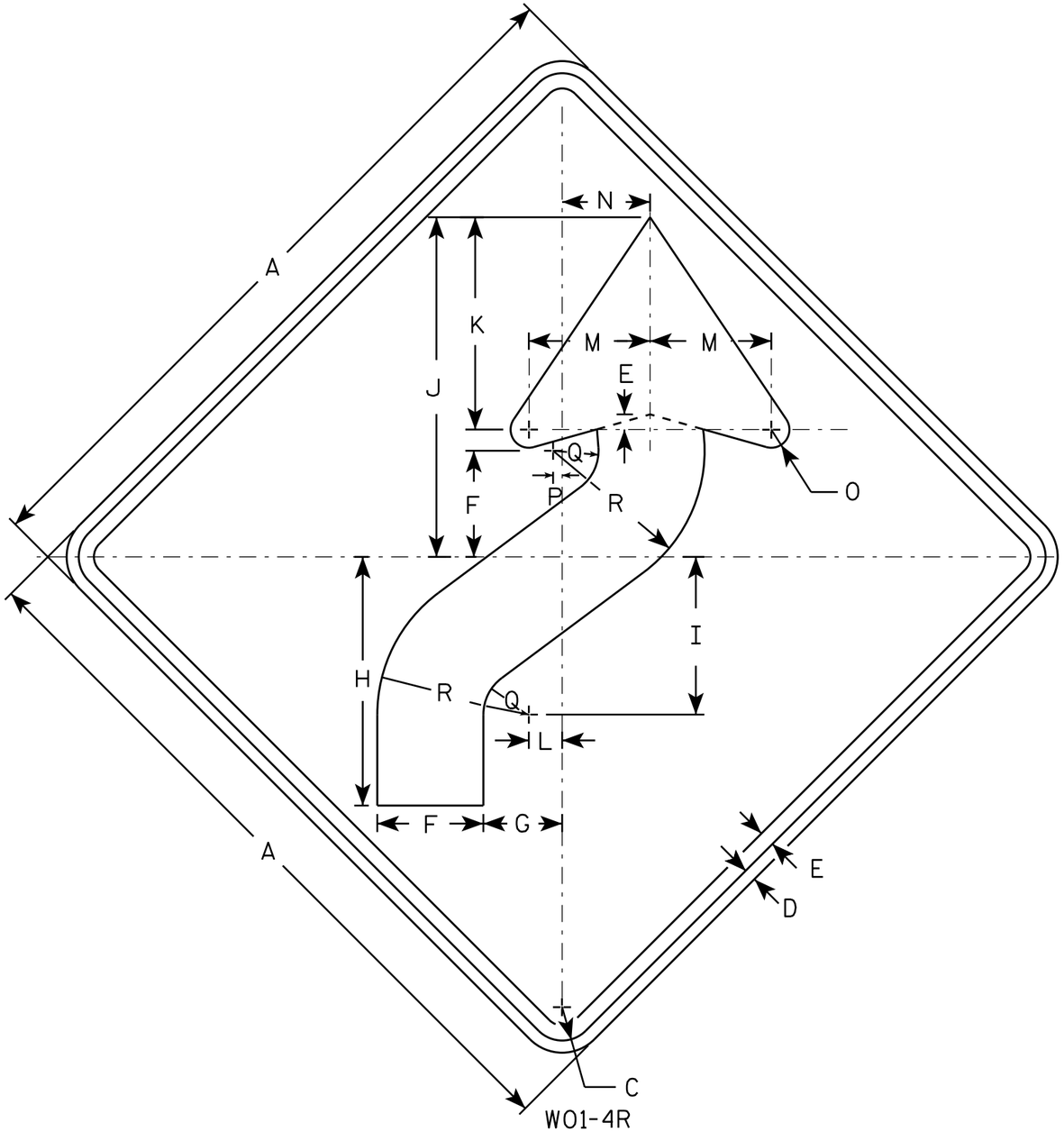
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-5.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 308 | E

7

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W205.DGN PLOT DATE : 18-MAR-2011 12:15 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 11.918087:1.000000
WISDOT/CADDS SHEET 42



W01-4R

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

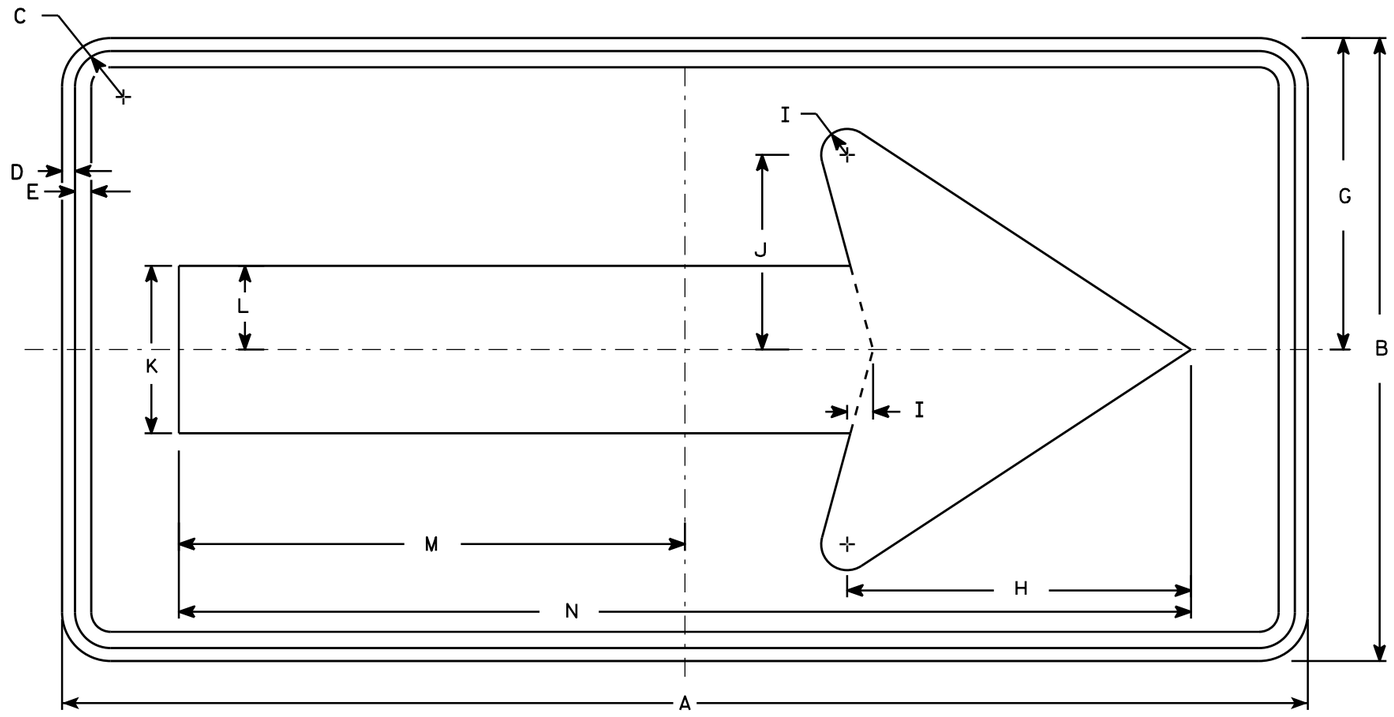
WISCONSIN DEPT OF TRANSPORTATION

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

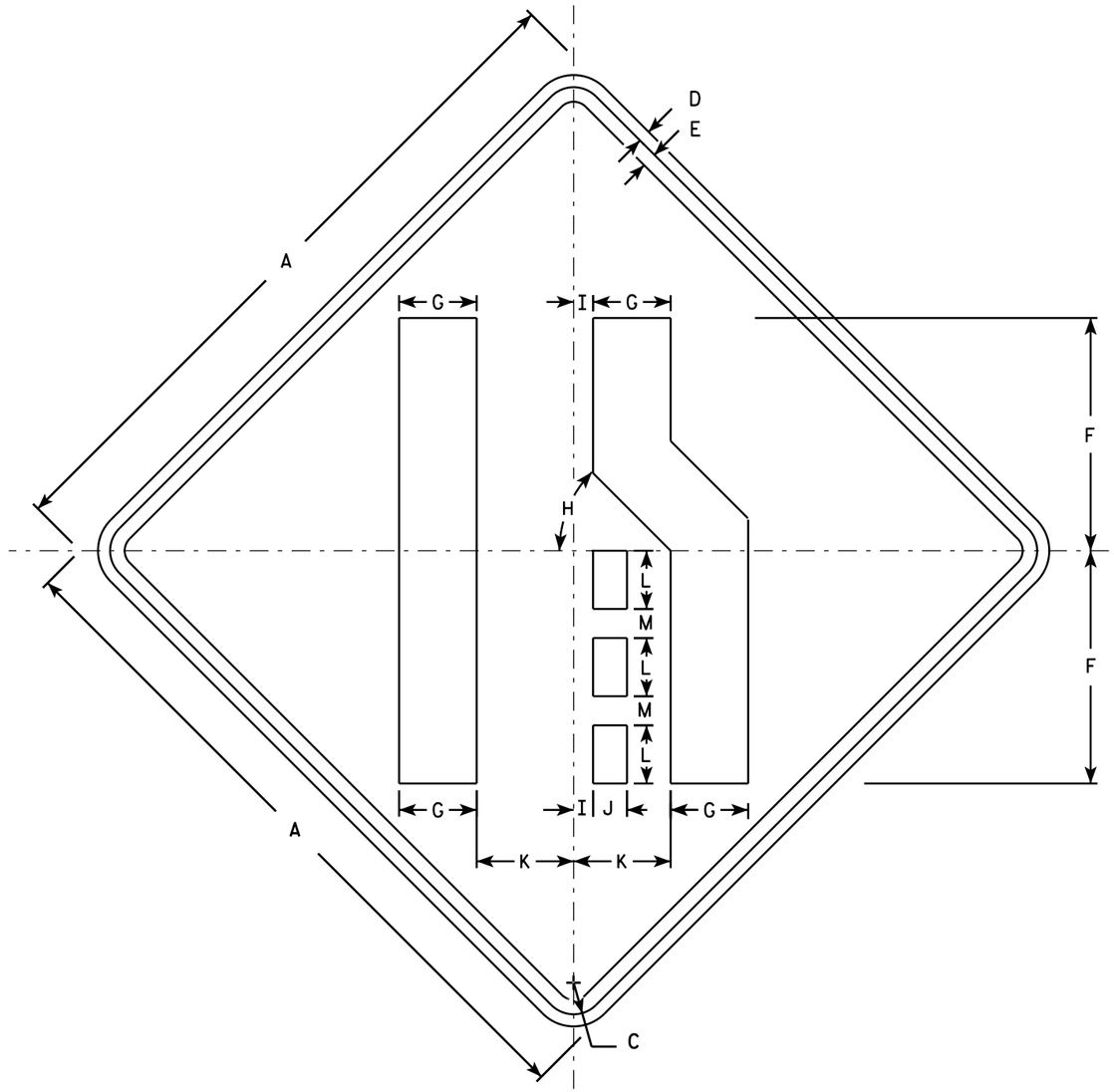
STANDARD SIGN
W01-6

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



W04-2R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W04-2L is the same as W04-2R except the symbol is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2S	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
2M	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
3	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
4	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

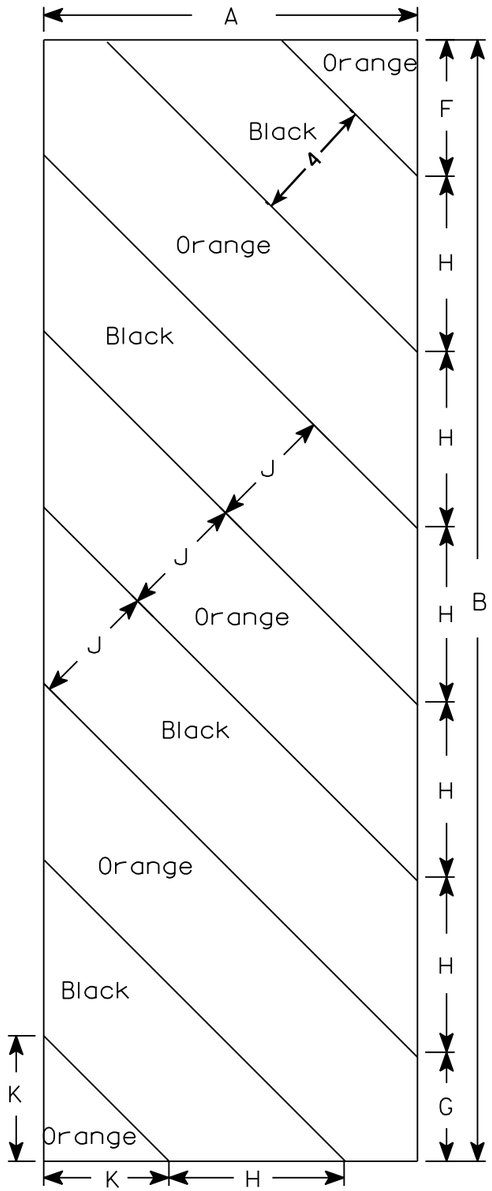
STANDARD SIGN
W04-2

WISCONSIN DEPT OF TRANSPORTATION

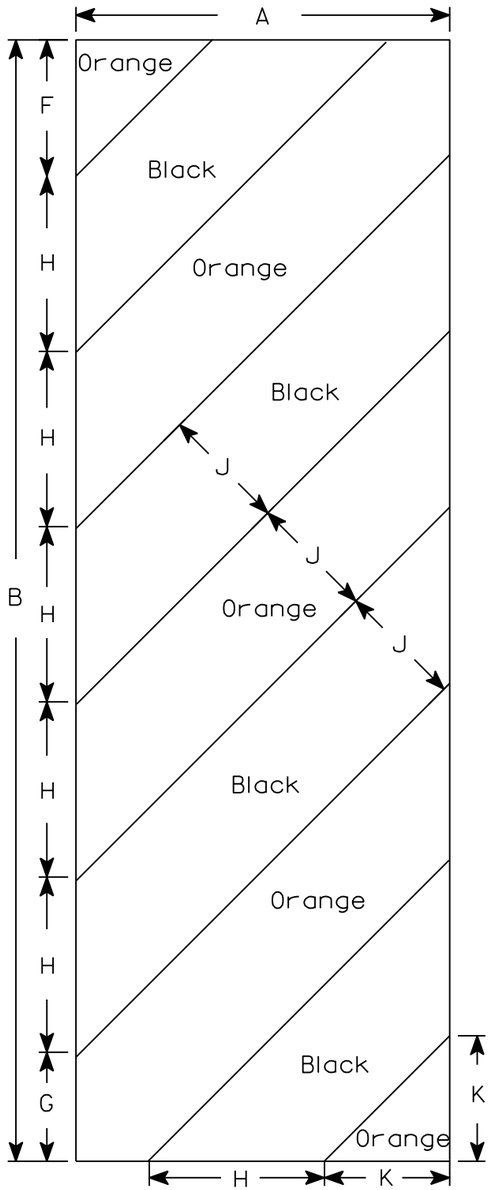
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 311 W04-2.1

PROJECT NO: | SHEET NO: E



W05-52L



W05-52R

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. Alternate colors of stripes as shown.

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	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
2M	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
3	18	54				6	5 1/2	8 1/2	45°	6	6 9/16																6.75
4																											
5																											

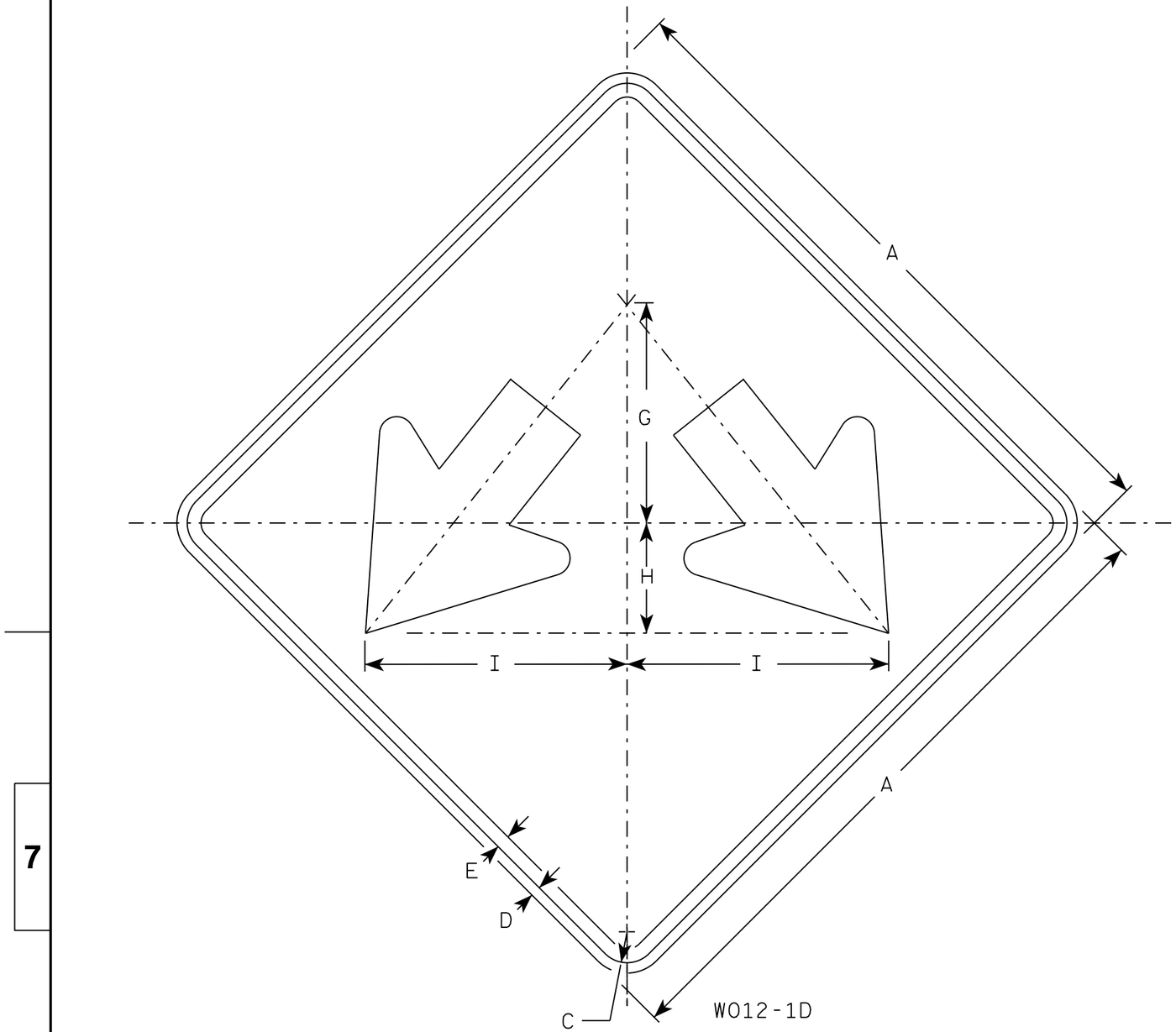
STANDARD SIGN
W05-52L & W05-52R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE No. W05-52.1

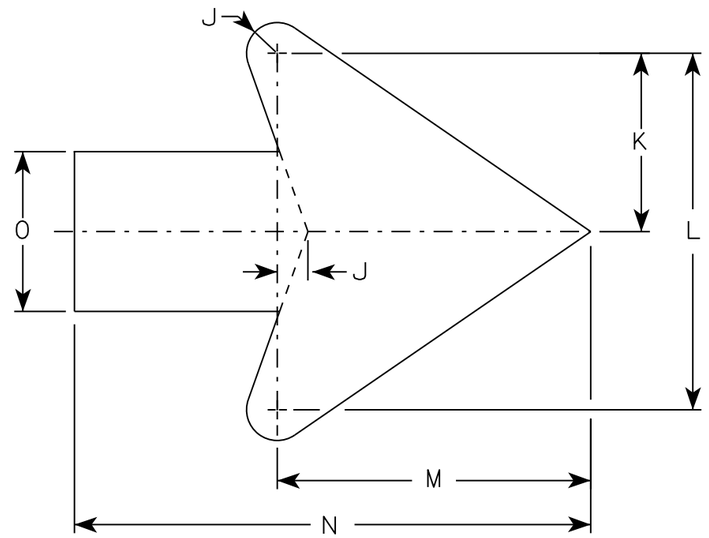
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



W012-1D

NOTES

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



Arrow Detail

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

STANDARD SIGN
W012-1D

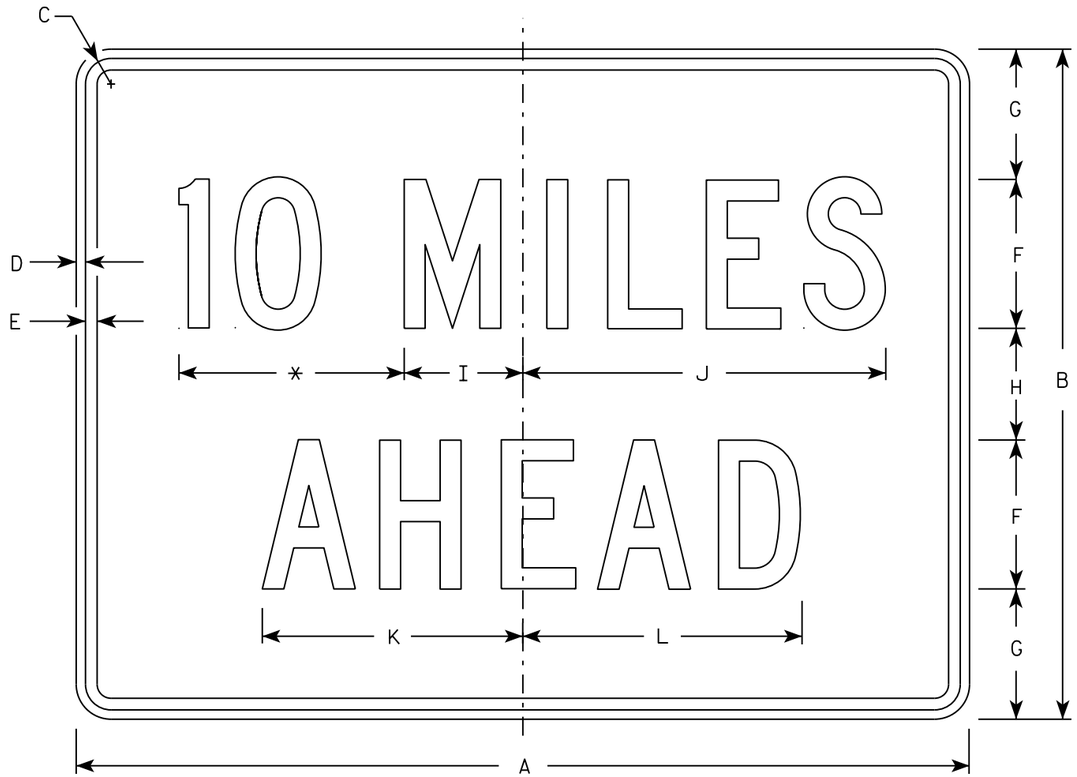
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

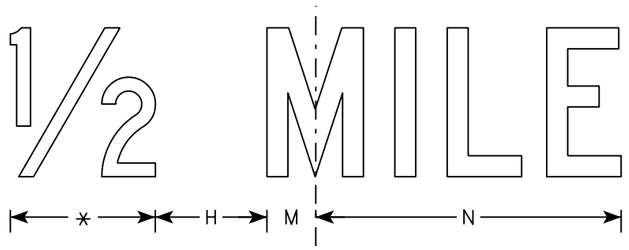
DATE 7/28/16 PLATE NO W012-1D.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CADfiles\Projects\tr_stdplate\W0121D.DGN PLOT DATE : 11-AUG-2016 11:28 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 4.621375:1.000000



W057-52



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.
5. Substitute appropriate numerals to the nearest quarter mile and optically adjust spacing to achieve proper balance.

* See note 5

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	24	1 1/8	3/8	1/2	6	4 1/2	3	4 3/4	14 5/8	10 5/8	11 3/8	2	12													6.0
2S	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
2M	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
3	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
4	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
5	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0

STANDARD SIGN
W057-52

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/17 PLATE NO. W057-52.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 314	E

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)	
		CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.25
104+00	0.00	70.11	70.11	0.06	0	0	0	0	0
104+25	25.00	85.75	85.75	0.00	72	72	0	72	0
104+50	25.00	101.19	101.19	0.00	87	87	0	159	0
104+75	25.00	93.64	93.64	0.00	90	90	0	249	0
105+00	25.00	90.68	90.68	0.00	85	85	0	334	0
105+25	25.00	70.20	70.20	0.00	74	74	0	408	0
105+50	25.00	65.93	65.93	0.00	63	63	0	471	0
105+75	25.00	56.29	56.29	0.00	57	57	0	528	0
106+00	25.00	80.42	80.42	0.00	63	63	0	591	0
106+25	25.00	84.95	84.95	0.00	77	77	0	668	0
106+50	25.00	85.11	85.11	0.00	79	79	0	747	0
106+75	25.00	86.73	86.73	0.00	80	80	0	827	0
107+00	25.00	102.74	102.74	0.00	88	88	0	915	0
107+25	25.00	106.87	106.87	0.00	97	97	0	1012	0
107+50	25.00	88.65	88.65	0.02	91	91	0	1103	0
107+75	25.00	86.04	86.04	0.22	81	81	0	1184	0
108+00	25.00	85.22	85.22	0.65	79	79	0	1263	0
108+25	25.00	86.45	86.45	0.61	79	79	1	1342	1
108+50	25.00	80.73	80.73	0.69	77	77	1	1419	3
108+75	25.00	80.99	80.99	0.56	75	75	1	1494	4
109+00	25.00	80.64	80.64	0.49	75	75	0	1569	4
109+25	25.00	81.77	81.77	0.52	75	75	0	1644	4
109+50	25.00	77.01	77.01	0.03	74	74	0	1718	4
109+75	25.00	80.84	80.84	0.00	73	73	0	1791	4
110+00	25.00	75.97	75.97	0.00	73	73	0	1864	4
110+25	25.00	71.67	71.67	0.00	68	68	0	1932	4
110+50	25.00	75.06	75.06	0.07	68	68	0	2000	4
110+75	25.00	65.65	65.65	4.93	65	65	2	2065	6
111+00	25.00	74.81	74.81	0.46	65	65	2	2130	9
111+25	25.00	88.61	88.61	0.01	76	76	0	2206	9
111+50	25.00	92.29	92.29	0.00	84	84	0	2290	9
111+75	25.00	94.13	94.13	0.00	86	86	0	2376	9
112+00	25.00	96.85	96.85	0.00	88	88	0	2464	9
112+25	25.00	96.62	96.62	0.00	90	90	0	2554	9
112+50	25.00	98.80	98.80	0.00	90	90	0	2644	9
112+75	25.00	96.49	96.49	0.00	90	90	0	2734	9
113+00	25.00	93.36	93.36	0.00	88	88	0	2822	9
113+25	25.00	94.92	94.92	0.00	87	87	0	2909	9
113+50	25.00	96.79	96.79	0.00	89	89	0	2998	9
113+75	25.00	93.72	93.72	0.00	88	88	0	3086	9
114+00	25.00	93.29	93.29	0.00	87	87	0	3173	9
114+25	25.00	92.51	92.51	0.00	86	86	0	3259	9
114+50	25.00	84.57	84.57	0.00	82	82	0	3341	9
114+75	25.00	83.71	83.71	0.00	78	78	0	3419	9
115+00	25.00	91.96	91.96	0.00	81	81	0	3500	9
115+25	25.00	96.27	96.27	0.00	87	87	0	3587	9
115+50	25.00	87.13	87.13	0.00	85	85	0	3672	9
115+75	25.00	89.00	89.00	0.02	82	82	0	3754	9
116+00	25.00	87.31	87.31	0.09	82	82	0	3836	9
116+25	25.00	81.81	81.81	0.06	78	78	0	3914	9
116+50	25.00	76.58	76.58	0.04	73	73	0	3987	9
116+75	25.00	82.17	82.17	0.00	73	73	0	4060	9
117+00	25.00	77.38	77.38	0.03	74	74	0	4134	9
117+25	25.00	90.65	90.65	0.05	78	78	0	4212	9
117+50	25.00	84.77	84.77	0.17	81	81	0	4293	9
117+75	25.00	79.64	79.64	0.00	76	76	0	4369	9
118+00	25.00	79.41	79.41	0.00	74	74	0	4443	9
118+25	25.00	77.78	77.78	0.12	73	73	0	4516	9
118+50	25.00	78.54	78.54	0.27	72	72	0	4588	9
118+75	25.00	79.88	79.88	0.02	73	73	0	4661	9
119+00	25.00	80.17	80.17	0.06	74	74	0	4735	9
119+25	25.00	82.09	82.09	0.00	75	75	0	4810	9
119+50	25.00	79.12	79.12	0.01	75	75	0	4885	9
119+75	25.00	93.96	93.96	0.00	80	80	0	4965	9
120+00	25.00	91.19	91.19	0.15	86	86	0	5051	9
120+25	25.00	87.64	87.64	0.00	83	83	0	5134	9
120+50	25.00	80.34	80.34	0.06	78	78	0	5212	9
120+75	25.00	77.26	77.26	0.03	73	73	0	5285	9
121+00	25.00	77.26	77.26	0.07	72	72	0	5357	9
121+25	25.00	72.67	72.67	0.04	69	69	0	5426	9
121+50	25.00	74.47	74.47	0.17	68	68	0	5494	9
121+75	25.00	80.34	80.34	0.00	72	72	0	5566	9
122+00	25.00	82.93	82.93	0.00	76	76	0	5642	9
122+25	25.00	82.25	82.25	0.00	76	76	0	5718	9
122+50	25.00	81.18	81.18	0.00	76	76	0	5794	9
122+75	25.00	83.18	83.18	0.00	76	76	0	5870	9
123+00	25.00	85.03	85.03	0.00	78	78	0	5948	9
123+25	25.00	86.76	86.76	0.00	80	80	0	6028	9
123+50	25.00	85.64	85.64	1.11	80	80	1	6108	10
123+75	25.00	97.04	97.04	0.00	85	85	1	6193	11
124+00	25.00	82.46	82.46	0.00	83	83	0	6276	11
124+25	25.00	78.38	78.38	0.00	74	74	0	6350	11
124+50	25.00	76.87	76.87	0.00	72	72	0	6422	11
124+75	25.00	78.29	78.29	0.00	72	72	0	6494	11
125+00	25.00	78.82	78.82	0.01	73	73	0	6567	11
125+25	25.00	78.73	78.73	0.03	73	73	0	6640	11
125+50	25.00	76.91	76.91	0.06	72	72	0	6712	11
125+75	25.00	69.04	69.04	0.22	68	68	0	6780	11
126+00	25.00	70.03	70.03	0.24	64	64	0	6844	11
126+25	25.00	66.54	66.54	0.21	63	63	0	6907	11
126+50	25.00	55.91	55.91	0.00	57	57	0	6964	11
126+75	25.00	56.14	56.14	0.00	52	52	0	7016	11
127+00	25.00	54.83	54.83	0.00	51	51	0	7067	11
127+25	25.00	50.17	50.17	0.00	49	49	0	7116	11
127+50	25.00	74.37	74.37	0.00	58	58	0	7174	11
127+75	25.00	79.90	79.90	0.01	71	71	0	7245	11
128+00	25.00	77.98	77.98	0.00	73	73	0	7318	11
128+25	25.00	77.94	77.94	0.00	72	72	0	7390	11
128+50	25.00	76.09	76.09	0.00	71	71	0	7461	11
128+75	25.00	76.16	76.16	0.01	70	70	0	7531	11
129+00	25.00	73.80	73.80	0.00	69	69	0	7600	11
129+25	25.00	71.54	71.54	0.05	67	67	0	7667	11
129+50	25.00	68.95	68.95	0.02	65	65	0	7732	11
129+75	25.00	69.29	69.29	0.00	64	64	0	7796	11
130+00	25.00	68.72	68.72	0.08	64	64	0	7860	11
130+25	25.00	72.48	72.48	0.55	65	65	0	7925	11
130+50	25.00	74.66	74.66	0.03	68	68	0	7993	11
130+75	25.00	82.97	82.97	0.05	73	73	0	8066	11
131+00	25.00	78.74	78.74	0.00	75	75	0	8141	11
131+25	25.00	79.59	79.59	0.00	73	73	0	8214	11
131+50	25.00	77.00	77.00	0.01	72	72	0	8286	11
131+75	25.00	80.35	80.35	0.00	73	73	0	8359	11
132+00	25.00	93.88	93.88	0.00	81	81	0	8440	11
132+25	25.00	85.00	85.00	0.00	83	83	0	8523	11
132+50	25.00	77.55	77.55	0.01	75	75	0	8598	11
132+75	25.00	75.83	75.83	0.01	71	71	0	8669	11
133+00	25.00	74.93	74.93	0.01	70	70	0	8739	11
133+25	25.00	72.13	72.13	0.06	68	68	0	8807	11

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)	
		CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.25
133+50	25.00	68.40	68.40	0.14	65	65	0	8872	11
133+75	25.00	66.57	66.57	0.27	62	62	0	8934	11
134+00	25.00	67.61	67.61	0.47	62	62	0	8996	11
134+25	25.00	68.82	68.82	0.15	63	63	0	9059	11
134+50	25.00	68.62	68.62	0.07	64	64	0	9123	11
134+75	25.00	69.97	69.97	0.00	64	64	0	9187	11
135+00	25.00	70.11	70.11	0.00	65	65	0	9252	11
135+25	25.00	72.20	72.20	0.00	66	66	0	9318	11
135+50	25.00	76.65	76.65	0.00	69	69	0	9387	11
135+75	25.00	76.47	76.47	0.00	71	71	0	9458	11
136+00	25.00	67.33	67.33	0.00	67	67	0	9525	11
136+25	25.00	66.15	66.15	0.00	62	62	0	9587	11
136+50	25.00	69.00	69.00	0.00	63	63	0	9650	11
136+75	25.00	78.62	78.62	0.00	68	68	0	9718	11
137+00	25.00	81.30	81.30	0.00	74	74	0	9792	11
137+25	25.00	80.42	80.42	0.00	75	75	0	9867	11
137+50	25.00	75.47	75.47	0.01	72	72	0	9939	11
137+75	25.00	73.64	73.64	0.00	69	69	0	10008	11
138+00	25.00	83.07	83.07	0.00	73	73	0	10081	11
138+25	25.00	82.71	82.71	0.02	77	77	0	10158	11
138+50	25.00	85.57	85.57	0.06	78	78	0	10236	11
138+75	25.00	87.17	87.17	0.00	80	80	0	10316	11
139+00	25.00	82.22	82.22	0.04	78	78	0	10394	11
139+25	25.00	79.32	79.32	0.22	75	75	0	10469	11
139+50	25.00	90.91	90.91	0.02	79	79	0	10548	11
139+75	25.00	78.44	78.44	0.02	78	78	0	10626	11
140+00	25.00	71.57	71.57	0.00	69	69	0	10695	11
140+25	25.00	82.23	82.23	0.00	71	71	0	10766	11
140+50	25.00	101.06	101.06	0.00	85	85	0	10851	11
140+75	25.00	85.76	85.76	0.01	86	86	0	10937	11
141+00	25.00	81.07	81.07	0.00	77	77	0	11014	11
141+25	25.00	74.34	74.34	0.00	72	72	0	11086	11
141+50	25.00	67.88	67.88	0.00	66	66	0	11152	11
141+75	25.00	64.33	64.33	0.00	61	61	0	11213	11
142+00	25.00	63.10	63.10	0.00	59	59	0	11272	11
142+25	25.00	72.02	72.02	0.00	63	63	0	11335	11
142+50	25.00	71.75	71.75	0.00	67	67	0	11402	11
142+75	25.00	70.12	70.12	0.11	66	66	0	11468	11
143+00	25.00	70.70	70.70	0.16	65	65	0	11533	11
143+25	25.00	67.72	67.72	0.01	64	64	0	11597	11
143+50	25.00	81.72	81.72	0.00	69	69	0	11666	11
143+75	25.00	74.68	74.68	0.29	72	72	0	11738	11
144+00	25.00	78.44	78.44	0.04	71	71	0	11809	11
144+25	25.00	74.07	74.07	0.59	71	71	0	11880	11
144+50	25.00	66.28	66.28	0.30	65	65	0	11945	11
144+75	25.00	69.65	69.65	1.90	63	63	1	12008	13
145+00	25.00	73.08	73.08	0.24	66	66	1	12074	14
145+25	25.00	73.83	73.83	0.00	68	68	0	12142	14
145+50	25.00	66.47	66.47	0.00	65	65	0	12207	14
145+75	25.00	77.49	77.49	0.22	67	67	0	12274	14
146+00	25.00	79.32	79.32	0.02	73	73	0	12347	14
146+25	25.00	84.52	84.52	0.00	76	76	0	12423	14
146+50	25.00	75.37	75.37	0.00	74	74	0	12497	14
146+75	25.00	77.85	77.85	0.00	71	71	0	12568	14
147+00	25.00	85.84	85.84	0.01	76	76	0	12644	14
147+25	25.00	77.15	77.15	0.00	75	75	0	12719	14
147+50	25.00	76.68	76.68	0.00	71	71	0	12790	14
147+75	25.00	78.10	78.10	0.02	72	72	0	12862	14
148+00	25.00	76.07	76.07	0.00	71	71	0	12933	14
148+25	25.00	78.34	78.34	0.00	71	71	0	13004	14
148+50	25.00	83.63	83.63	0.00	75	75	0	13079	14
148+75	25.00	74.85	74.85	0.00	73	73	0	13152	14
149+00	25.00	76.43	76.43	0.00	70	70	0	13222	14
149+25	25.00	85.80	85.80	0.00	75	75	0	13297	14
149+50	25.00	106.85	106.85	0.00	89	89	0	13386	14
149+75	25.00	91.43	91.43	0.00	92	92	0	13478	14
150+00	25.00	104.16	104.16	0.00	91	91	0	13569	14
150+25	25.00	93.89	93.89	0.19	92	92	0	13661	14
150+50	25.00	15.49	15.49	0.00	51	51	0	13712	14

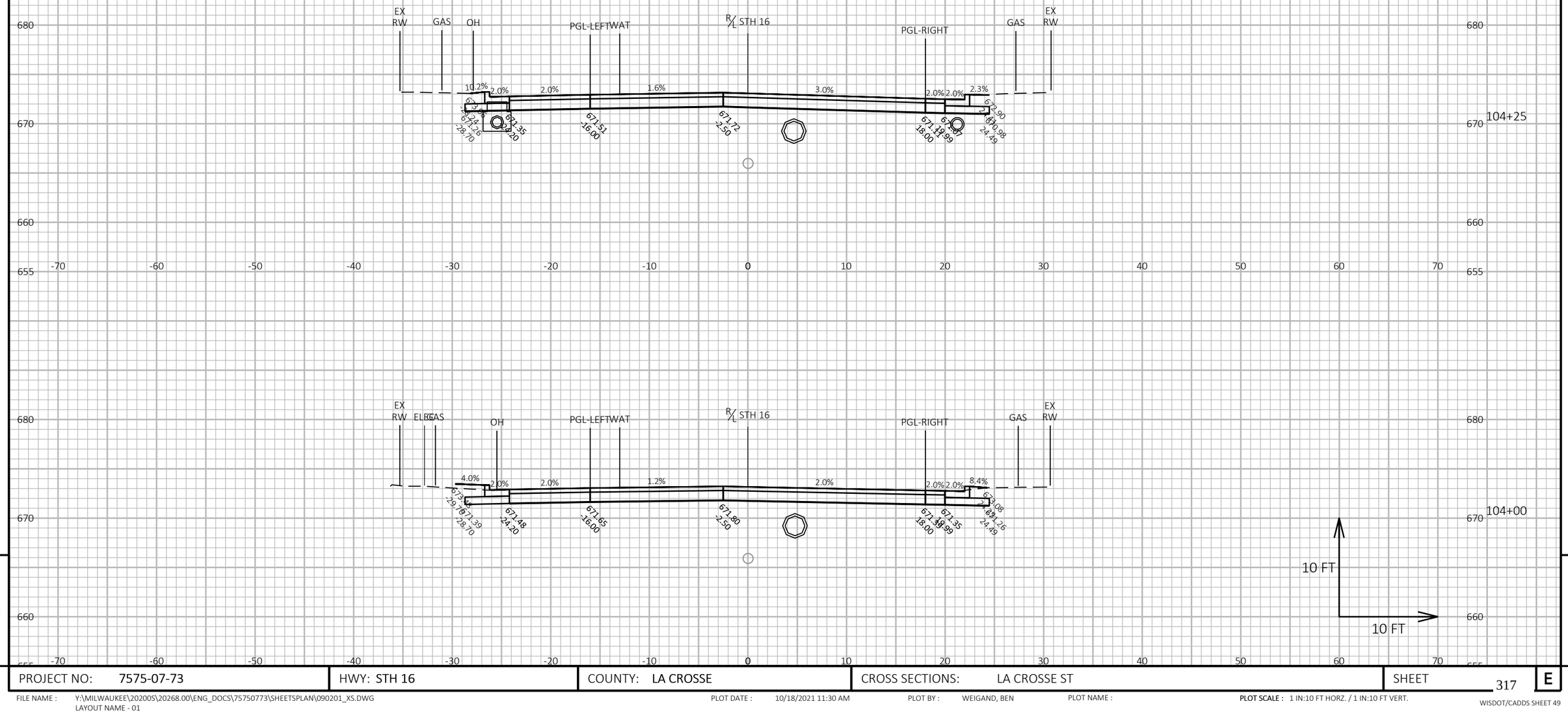
Notes:
1 - CUT CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATE THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME

9

9

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	EARTHWORK	SHEET 316	E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ ORG DATE : _____ ORIGINATOR : DIST _ PLOT SCALE : 1:1



9

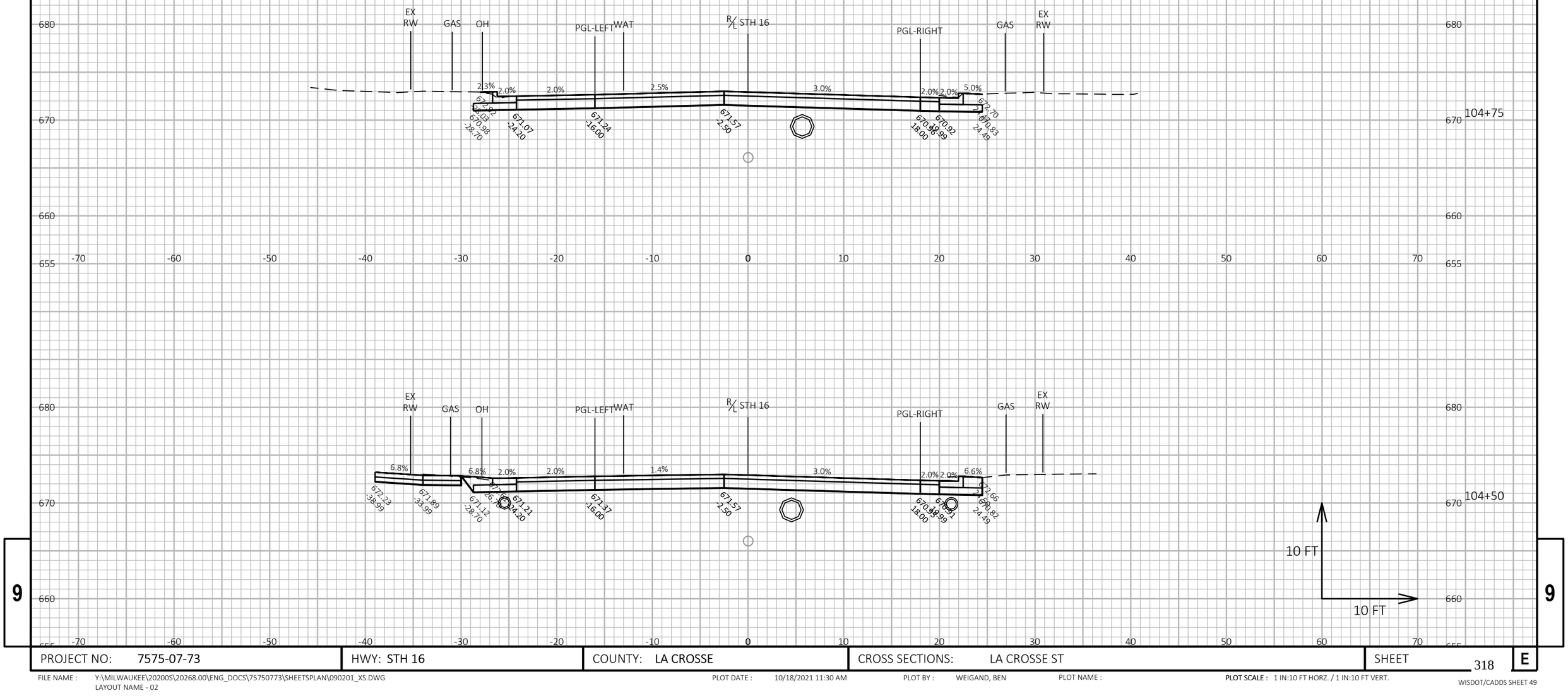
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PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 317	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 01

PLOT DATE : 10/18/2021 11:30 AM PLOT BY : WEIGAND, BEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

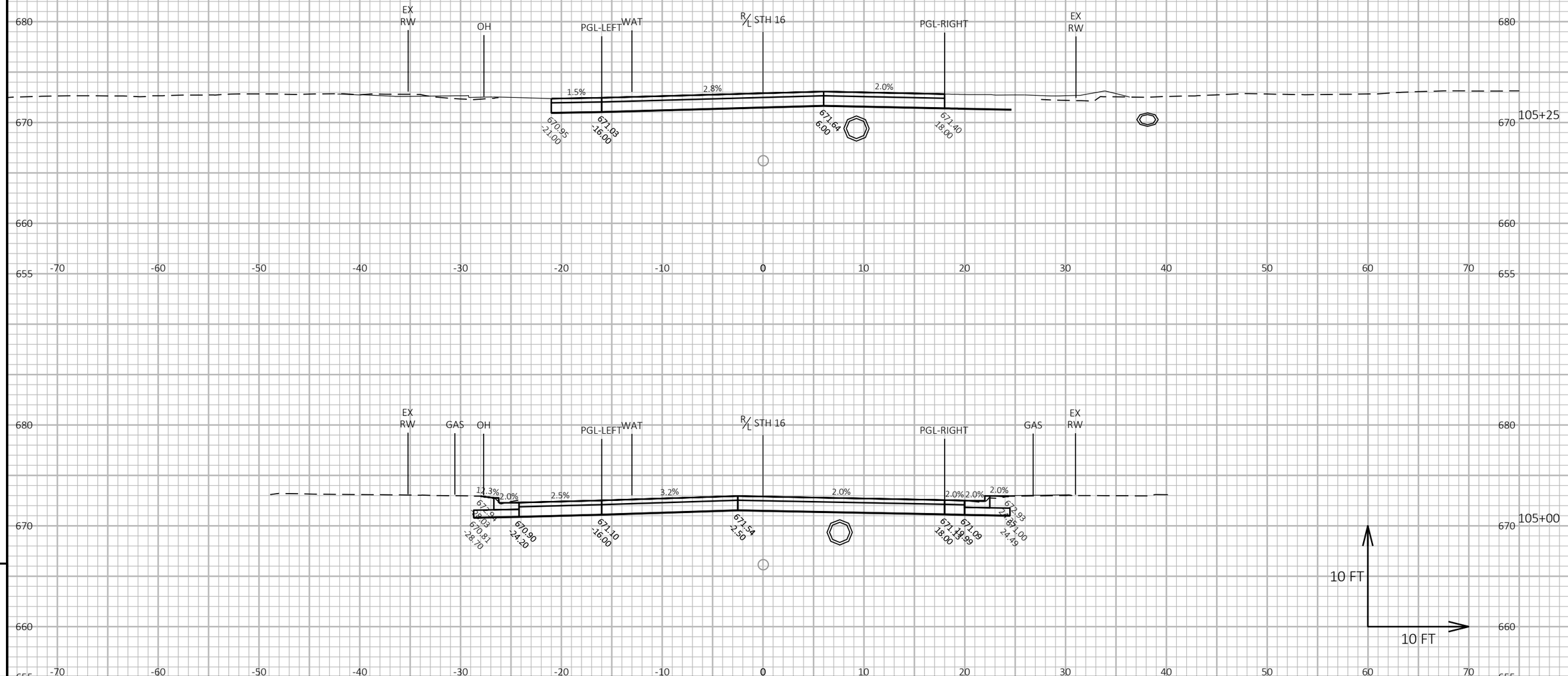


PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 318 E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 02

PLOT DATE : 10/18/2021 11:30 AM PLOT BY : WEIGAND, BEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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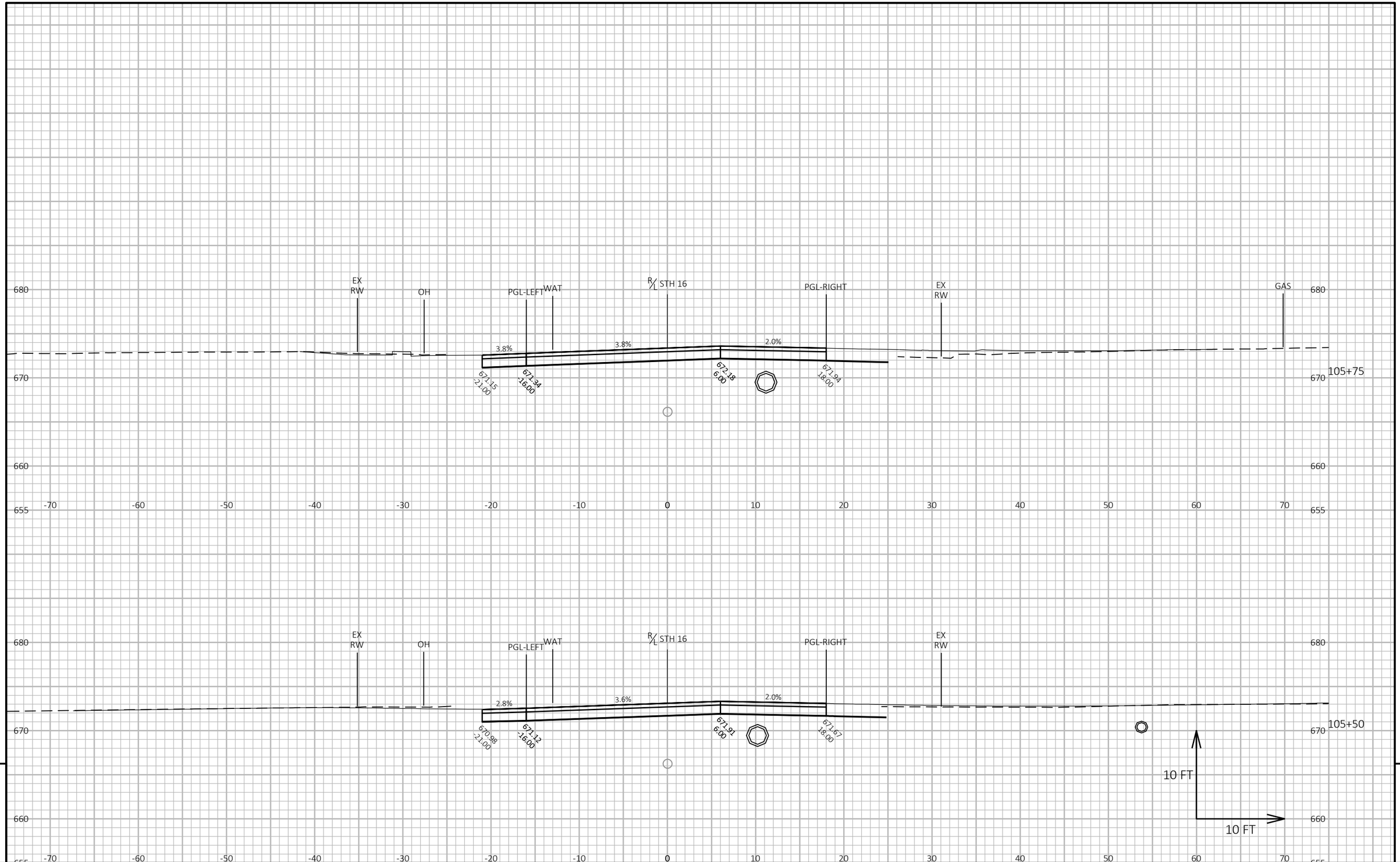
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 319	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 03

PLOT DATE : 10/18/2021 11:30 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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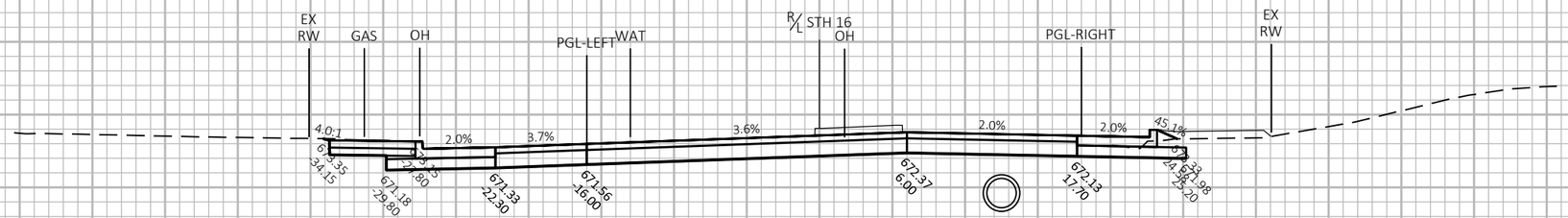
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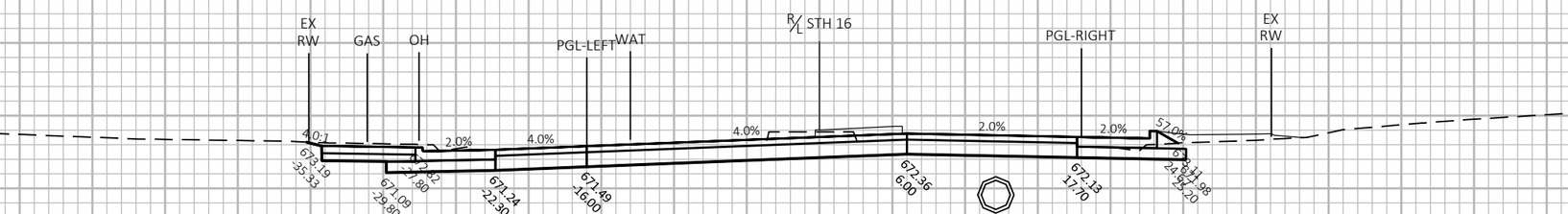
FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 04

PLOT DATE : 10/18/2021 11:30 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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9

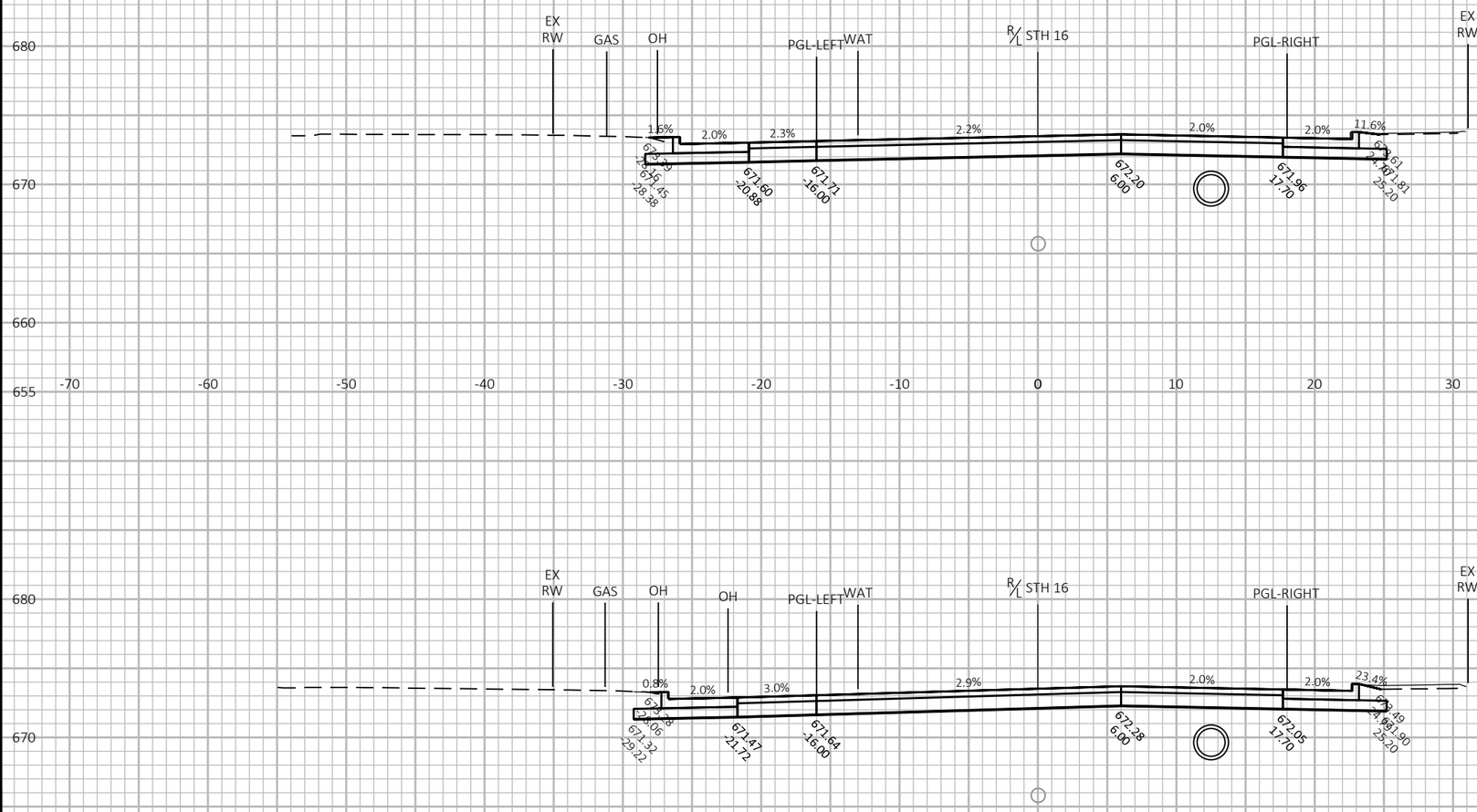
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 321	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 05

PLOT DATE : 10/20/2021 2:18 PM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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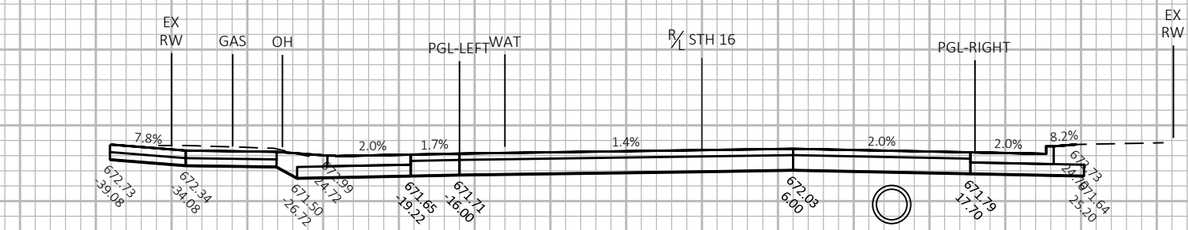
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 322	E

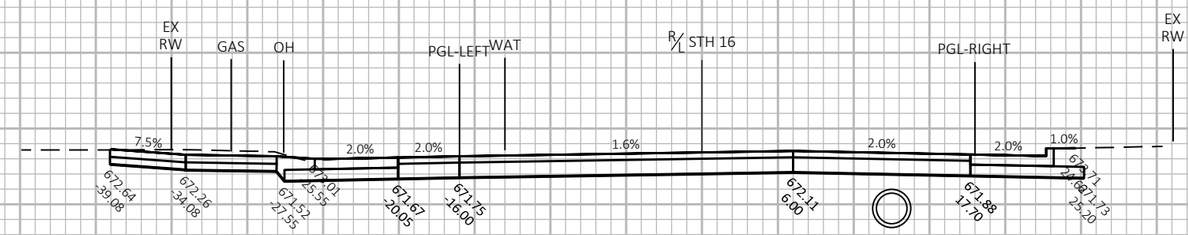
FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 06

PLOT DATE : 10/20/2021 2:18 PM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





680 670 660 655

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

107+25

107+00

10 FT

10 FT

9

9

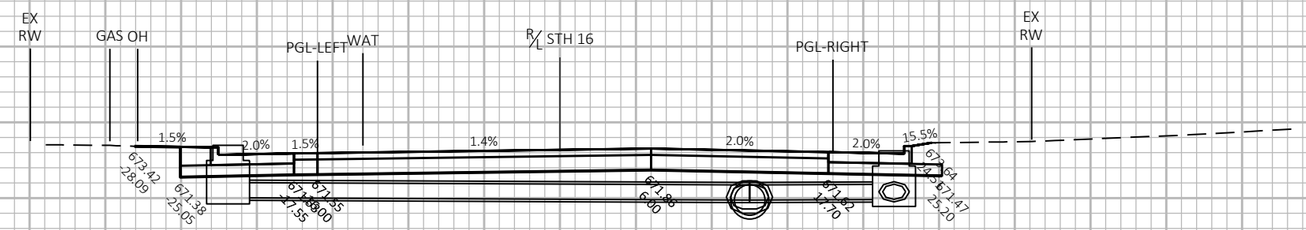
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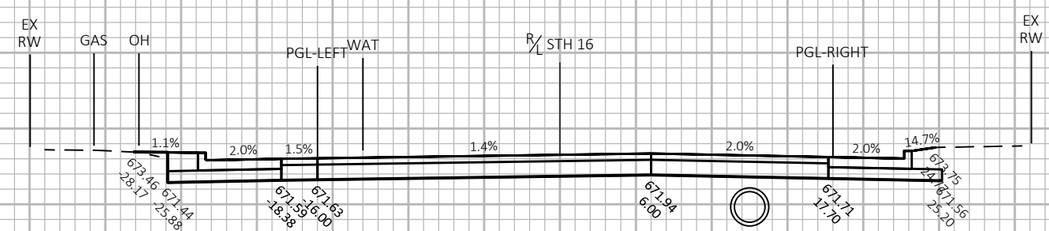
FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 07

PLOT DATE : 10/20/2021 2:18 PM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





680 670 660 655 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

107+75

107+50

10 FT

10 FT

9

9

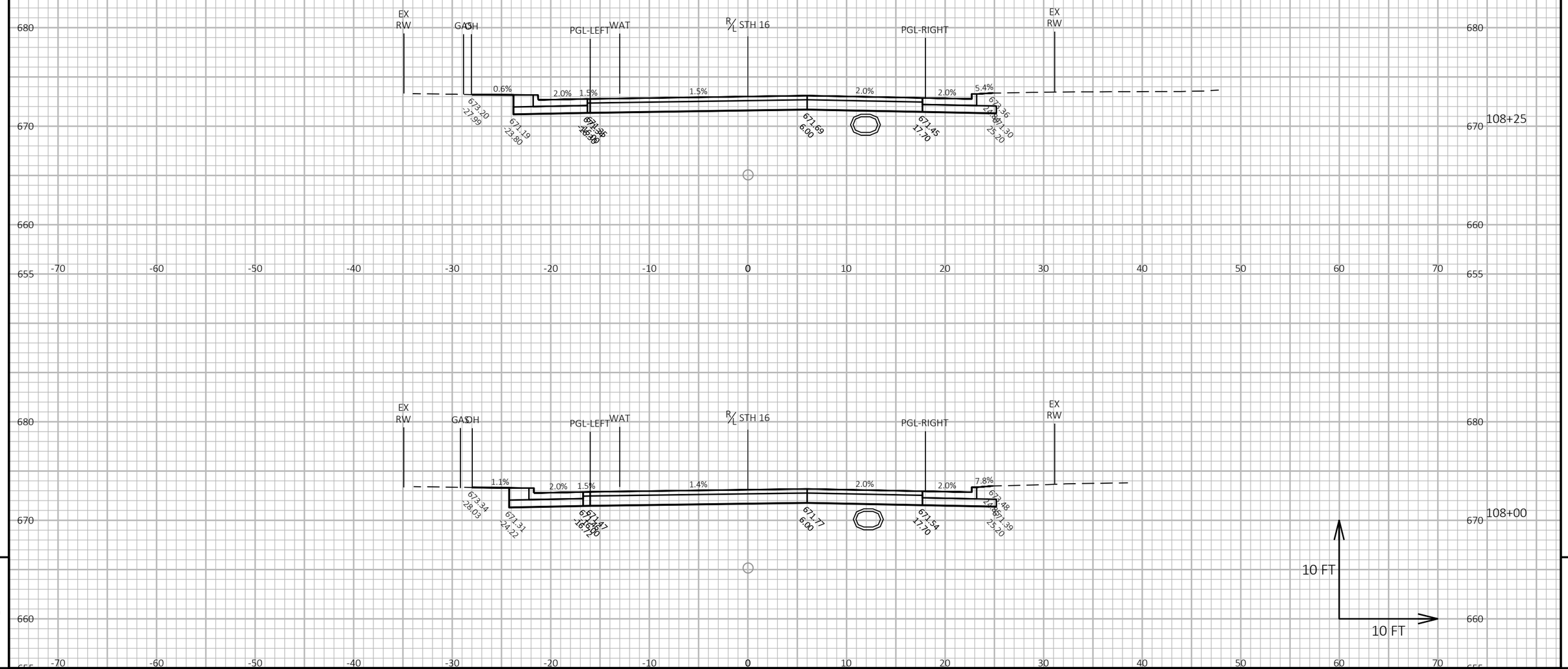
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 324	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 08

PLOT DATE : 10/20/2021 2:18 PM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

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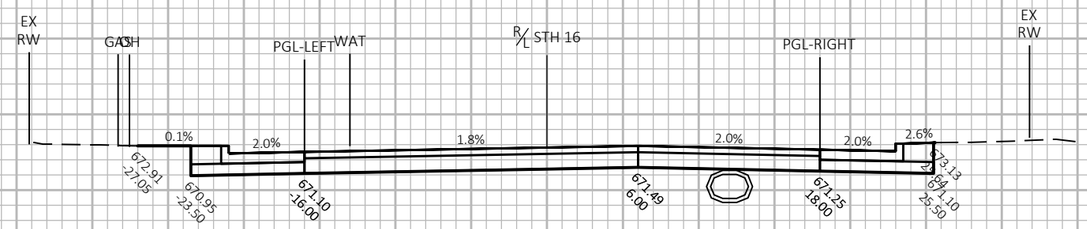
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 325	E

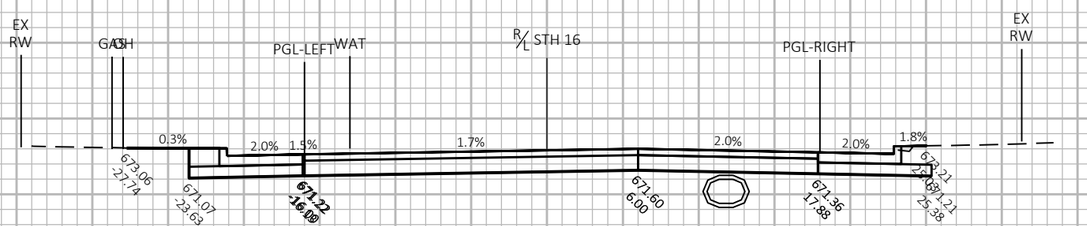
FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 09

PLOT DATE : 10/20/2021 2:18 PM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





680 670 660 655

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

108+75

108+50

10 FT

10 FT

9

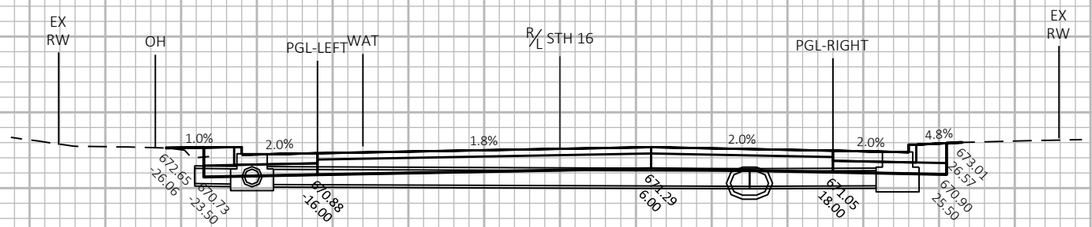
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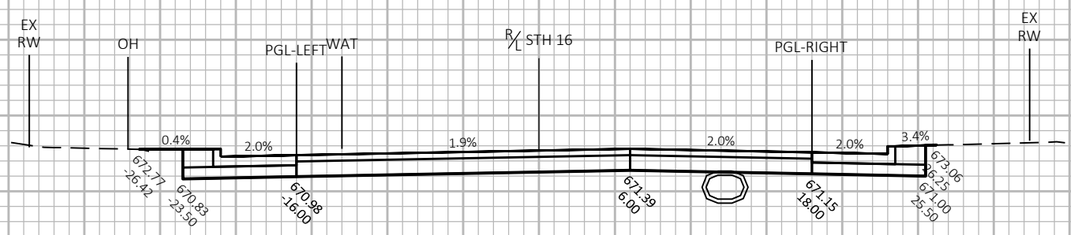
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 326	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 10

PLOT DATE : 10/20/2021 2:19 PM PLOT BY : WEIGAND, BEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





680 670 660 655

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

109+25

109+00

10 FT

10 FT

9

9

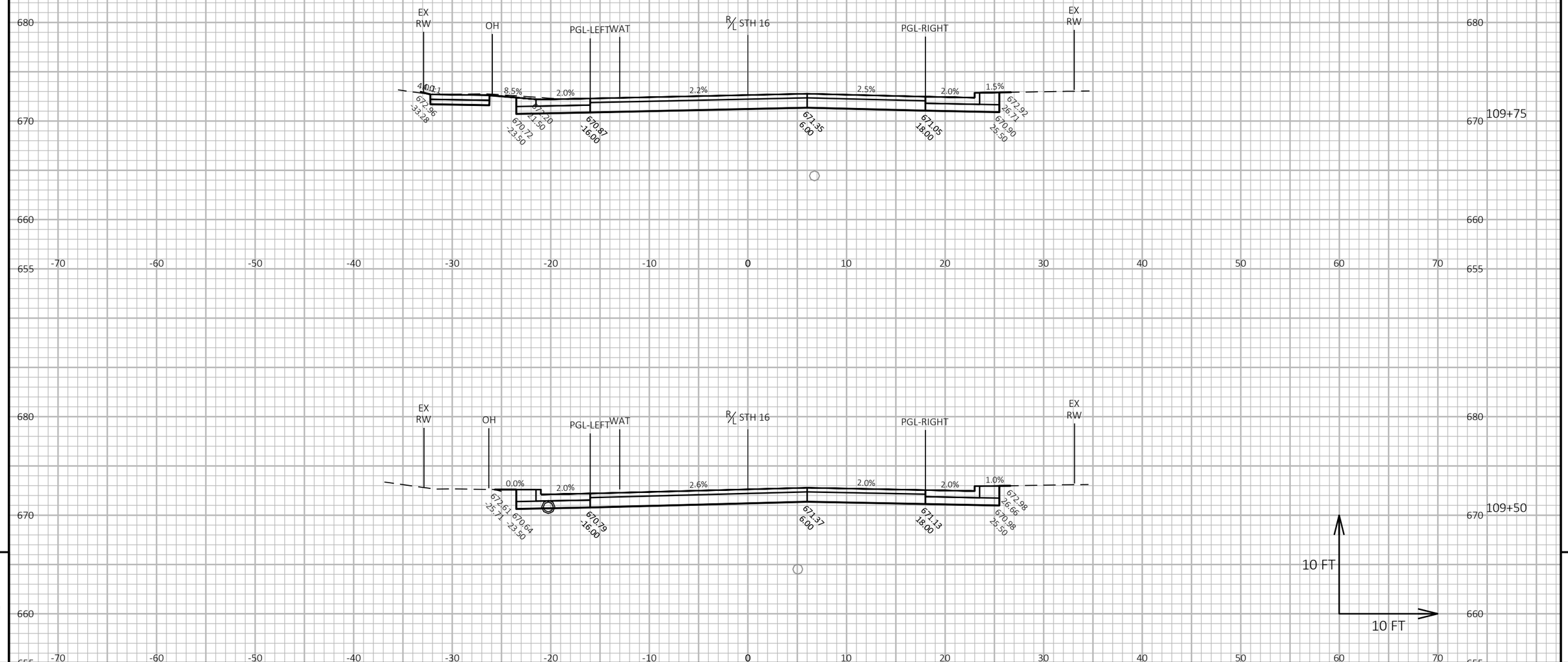
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 327	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 11

PLOT DATE : 10/18/2021 11:32 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

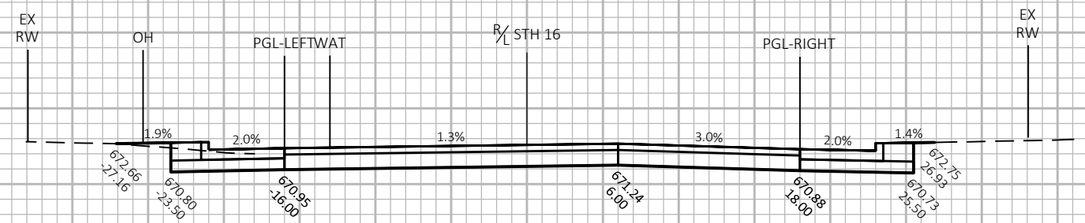


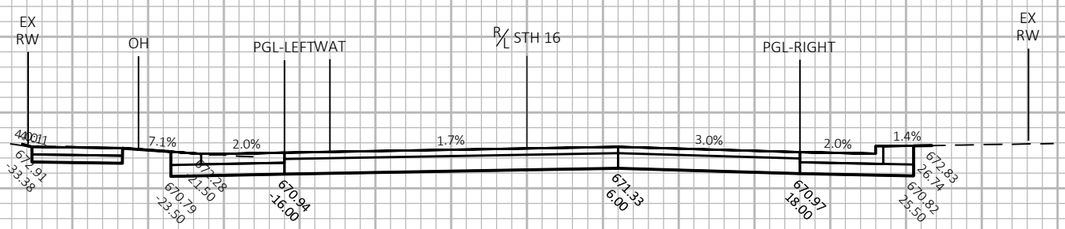
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 328	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 12

PLOT DATE : 10/18/2021 11:32 AM PLOT BY : WEIGAND, BEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





680 670 660 655 680 670 660 655

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

110+25

110+00

10 FT

10 FT

9 9

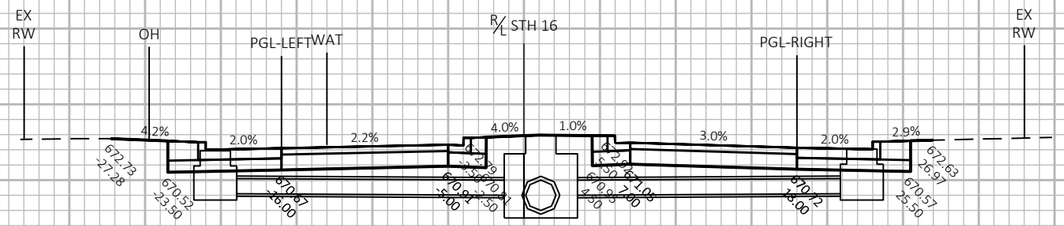
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 329	E

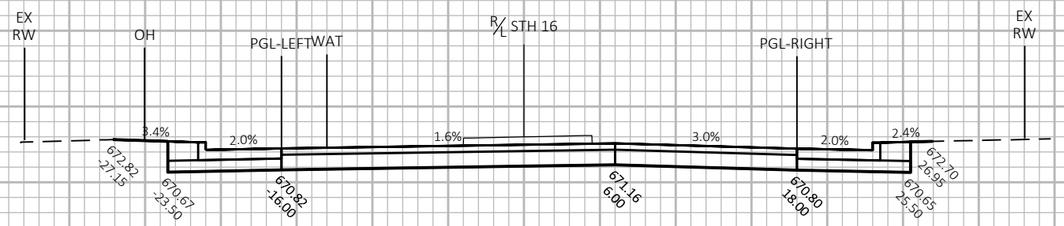
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LAYOUT NAME - 13

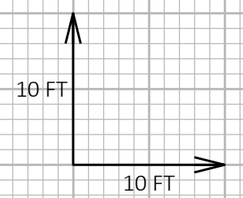
PLOT DATE : 10/18/2021 11:32 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







680 670 660 655 680 670 660 655

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

110+75

110+50

9

9

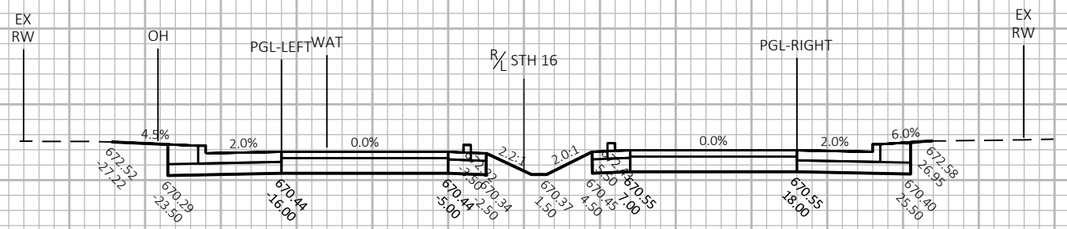
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 330	E

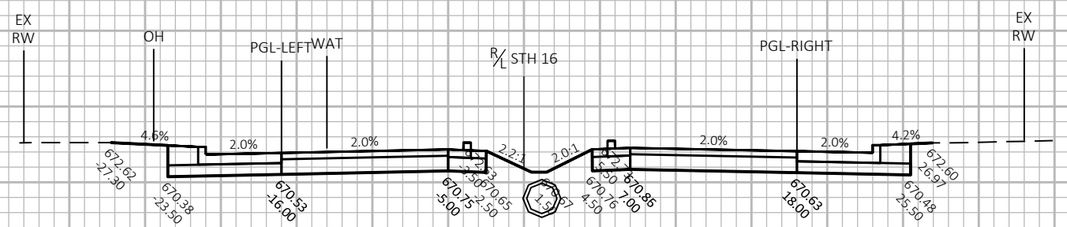
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LAYOUT NAME - 14

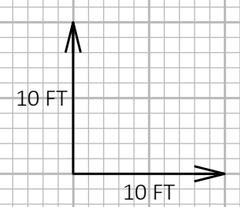
PLOT DATE : 10/18/2021 11:32 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







680 670 660 655 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

111+25

111+00

9

9

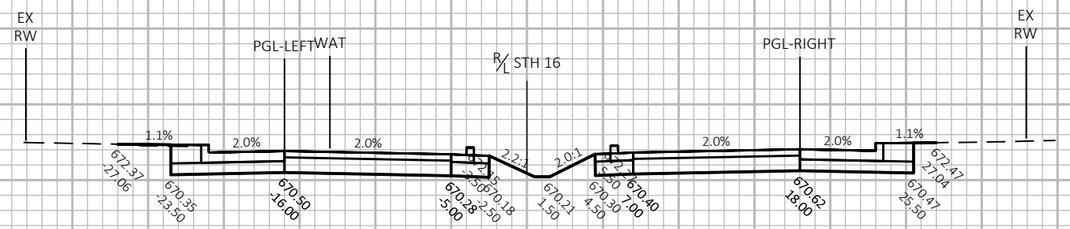
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 331	E

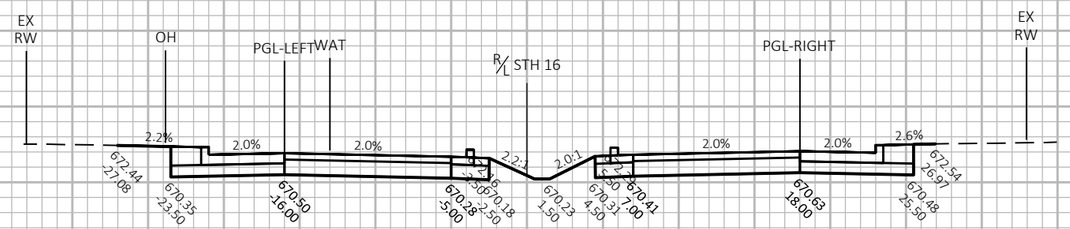
FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 15

PLOT DATE : 10/18/2021 11:33 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





680 670 660 655

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

111+75

111+50

10 FT

10 FT

9

9

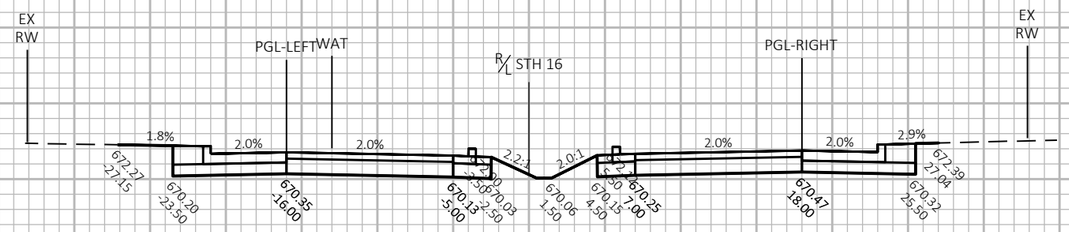
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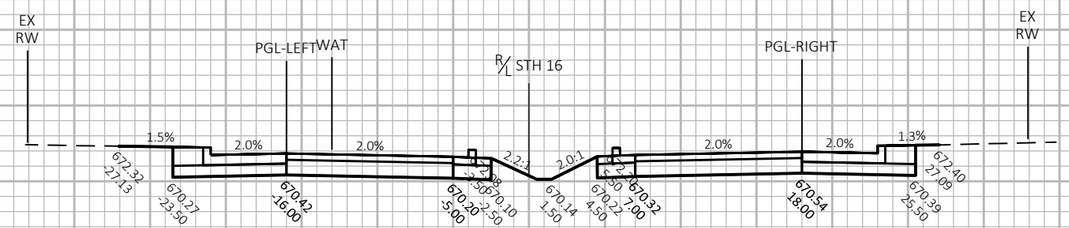
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LAYOUT NAME - 16

PLOT DATE : 10/18/2021 11:33 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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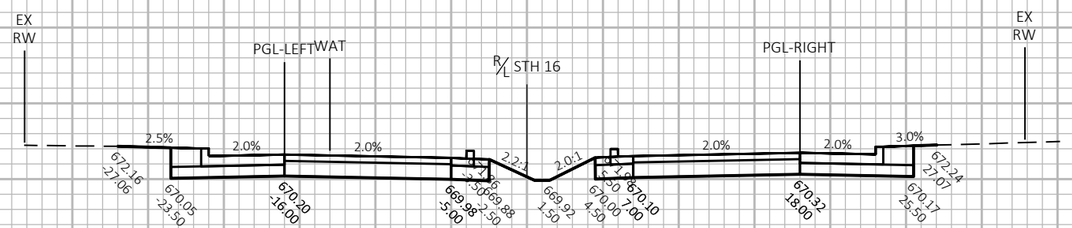
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 333	E

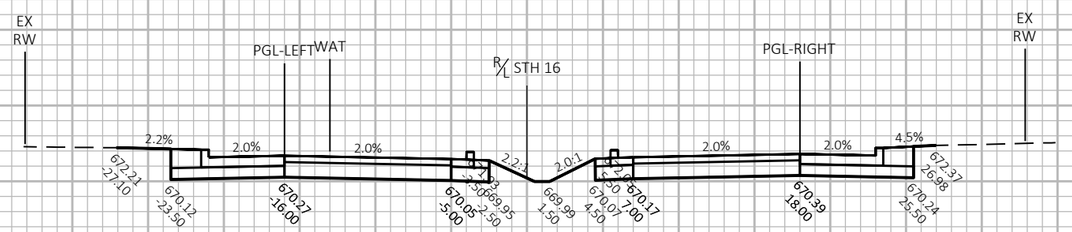
FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 17

PLOT DATE : 10/18/2021 11:33 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







112+75

112+50

9

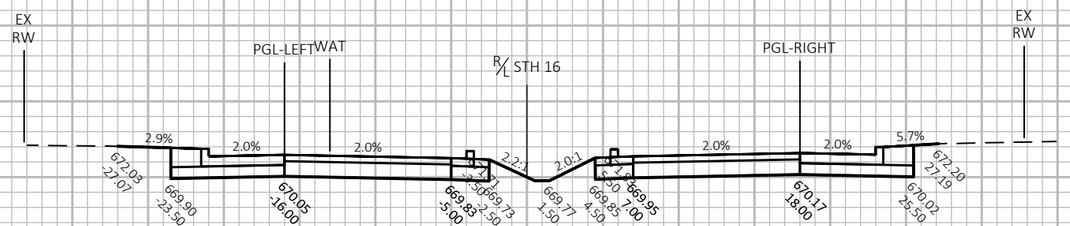
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PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 334	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 18

PLOT DATE : 10/18/2021 11:33 AM PLOT BY : WEIGAND, BEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





680 670 660 655

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

113+25

113+00

10 FT

10 FT

9

9

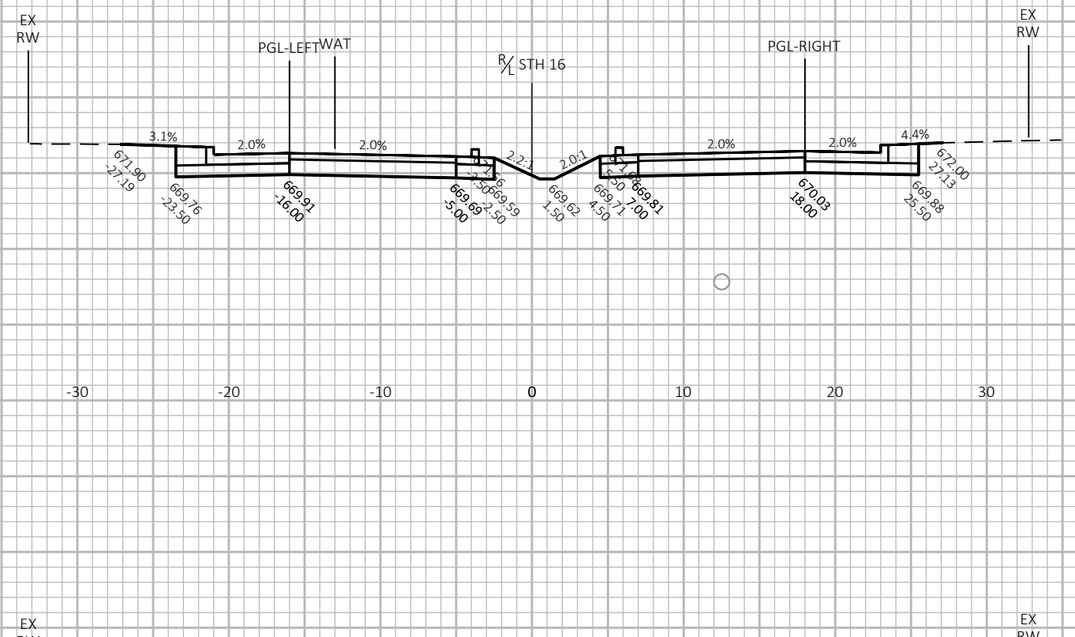
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 335	E

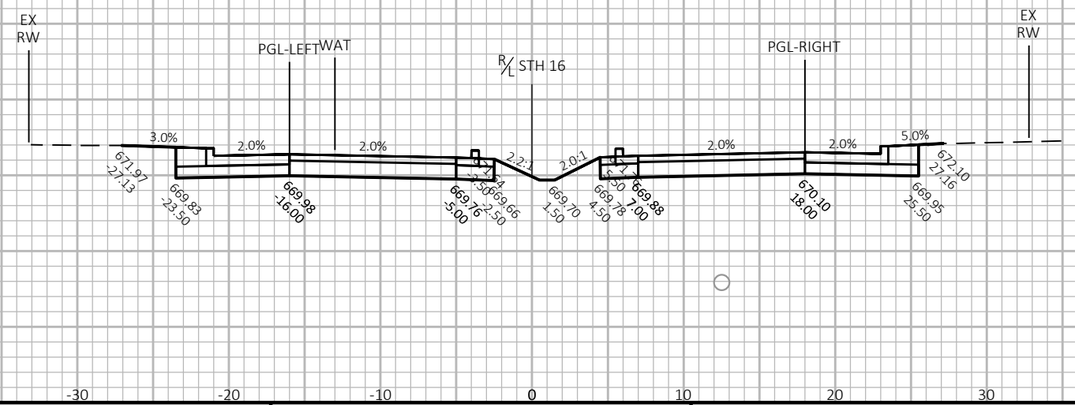
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LAYOUT NAME - 19

PLOT DATE : 10/18/2021 11:33 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





9

9

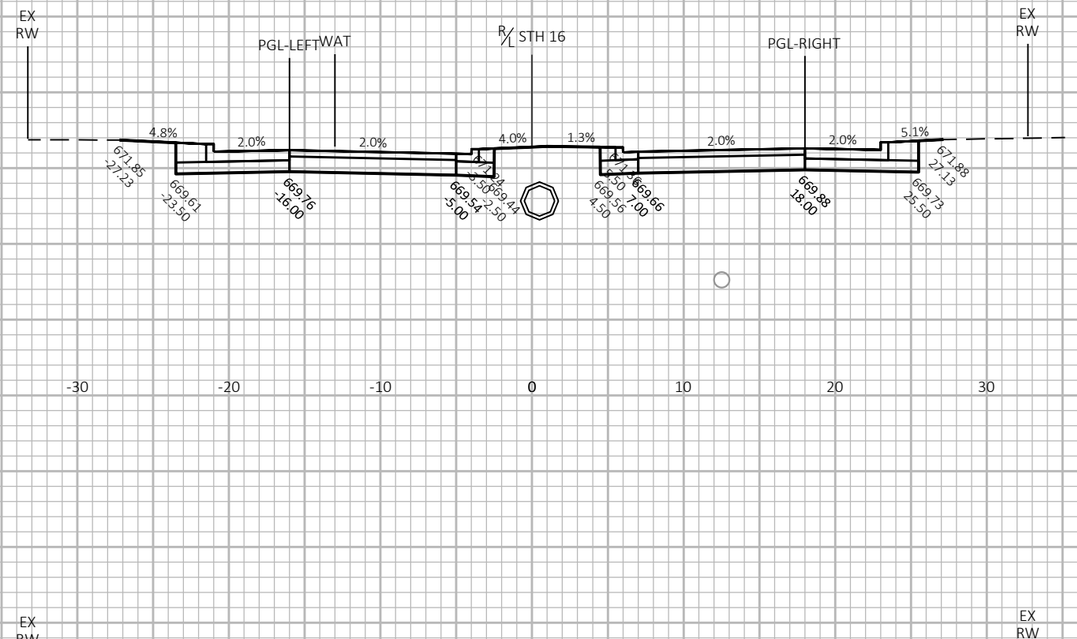
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 336	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 20

PLOT DATE : 10/18/2021 11:34 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

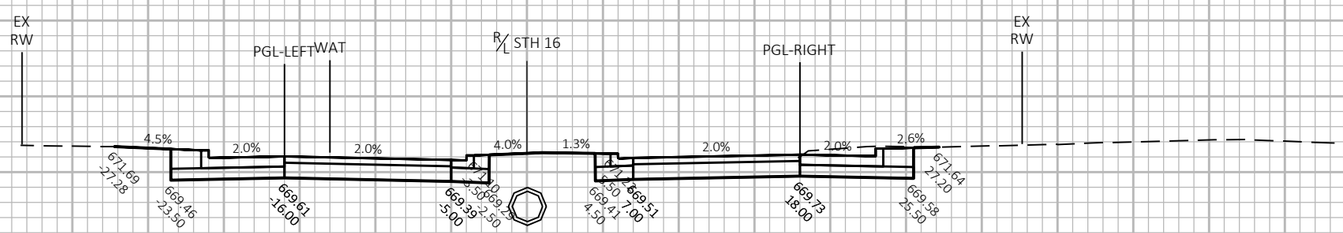
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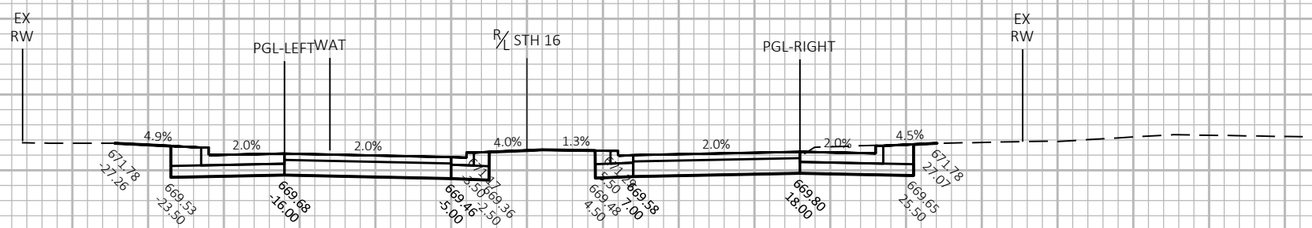
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 337	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 21

PLOT DATE : 10/18/2021 11:34 AM PLOT BY : WEIGAND, BEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





680 670 660 655 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

114+75

114+50

10 FT

10 FT

9

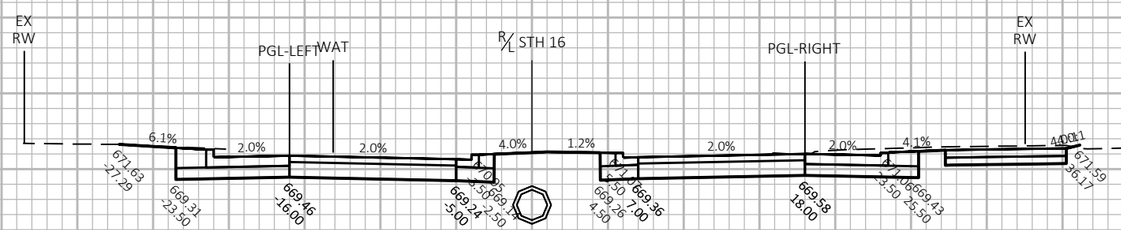
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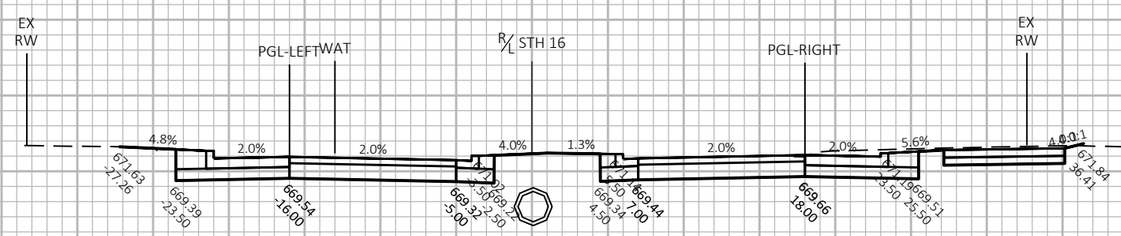
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 338	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 22

PLOT DATE : 10/18/2021 11:34 AM PLOT BY : WEIGAND, BEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





9

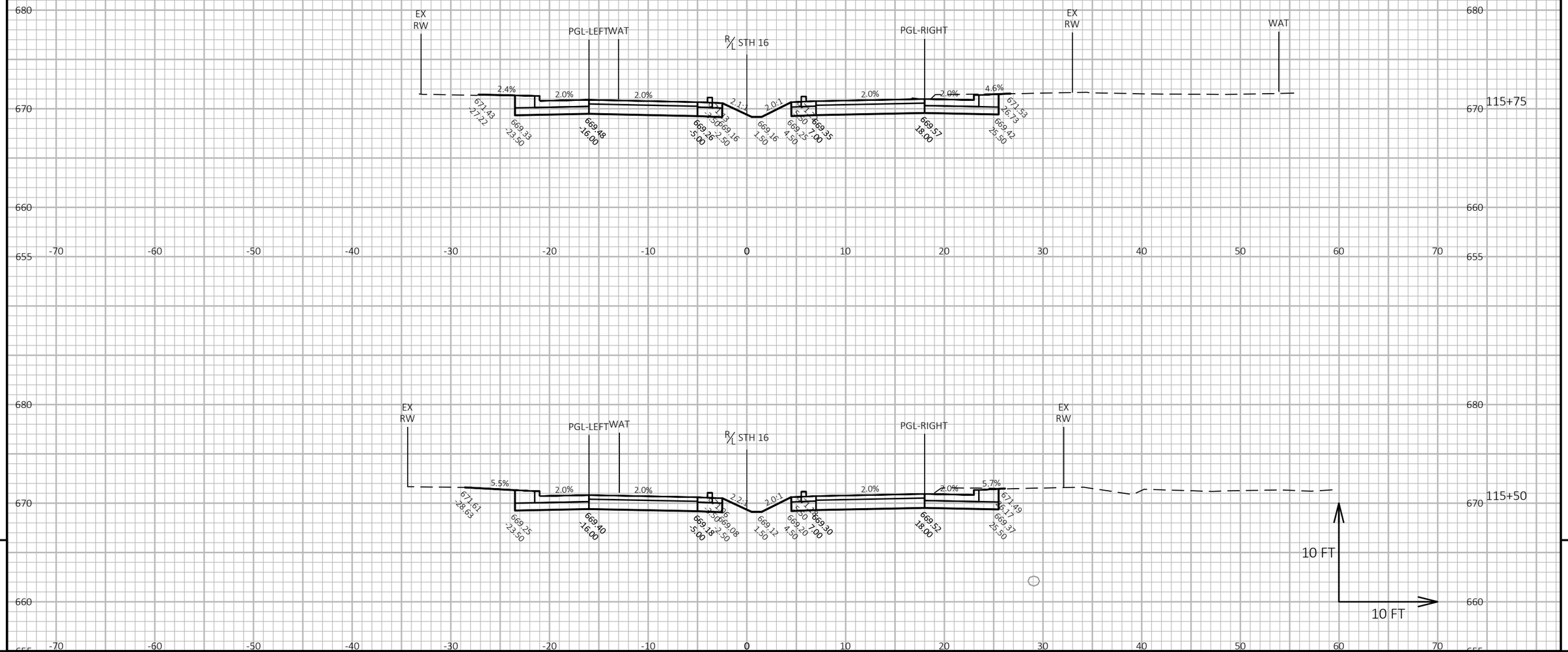
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PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 339	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 23

PLOT DATE : 10/18/2021 11:34 AM PLOT BY : WEIGAND, BEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

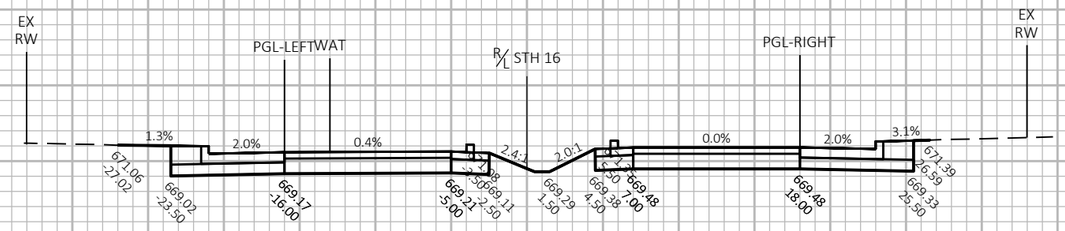
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 340	E

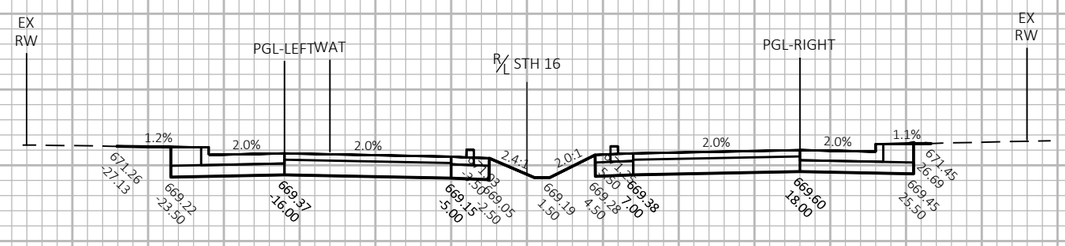
FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 24

PLOT DATE : 10/18/2021 11:34 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







116+25

116+00

9

9

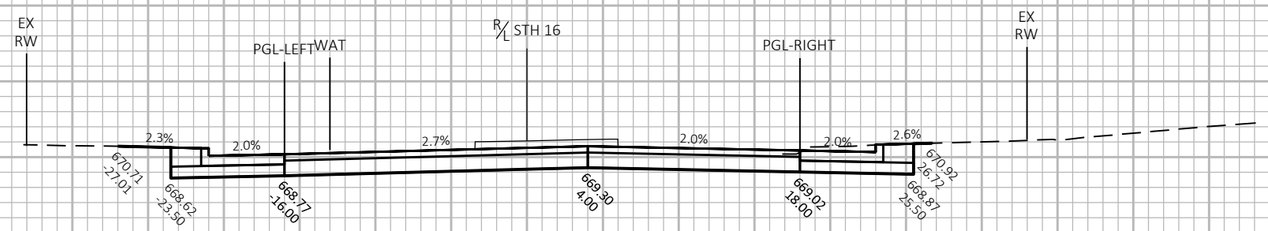
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 341	E

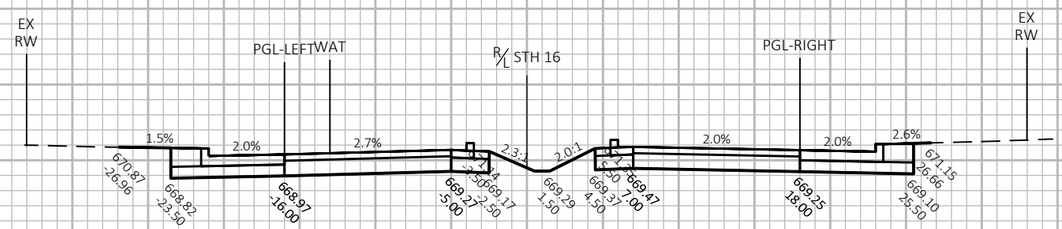
FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 25

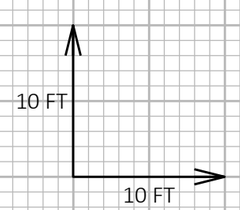
PLOT DATE : 10/18/2021 11:35 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







116+75

116+50

9

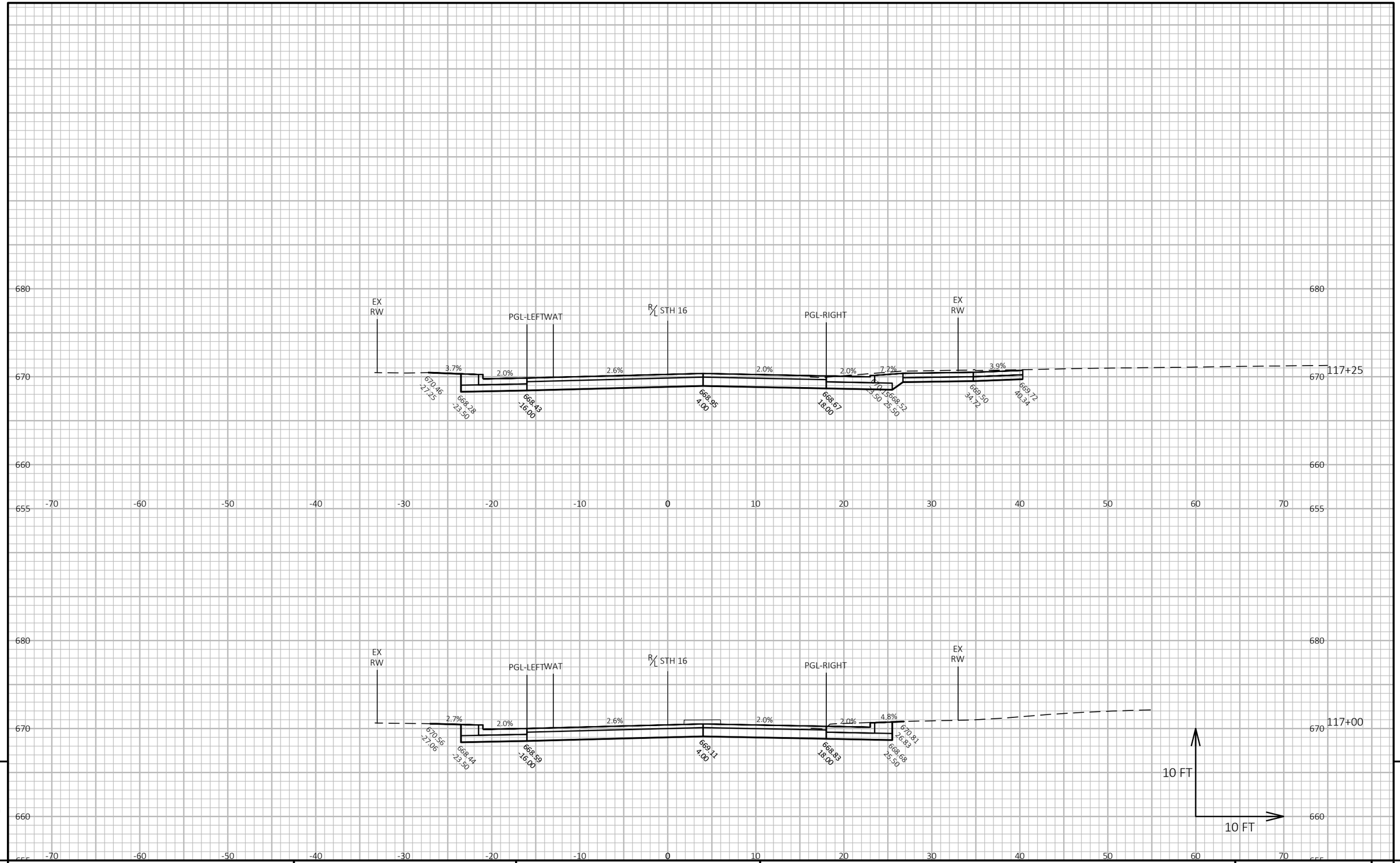
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PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 342	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 26

PLOT DATE : 10/18/2021 11:35 AM PLOT BY : WEIGAND, BEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



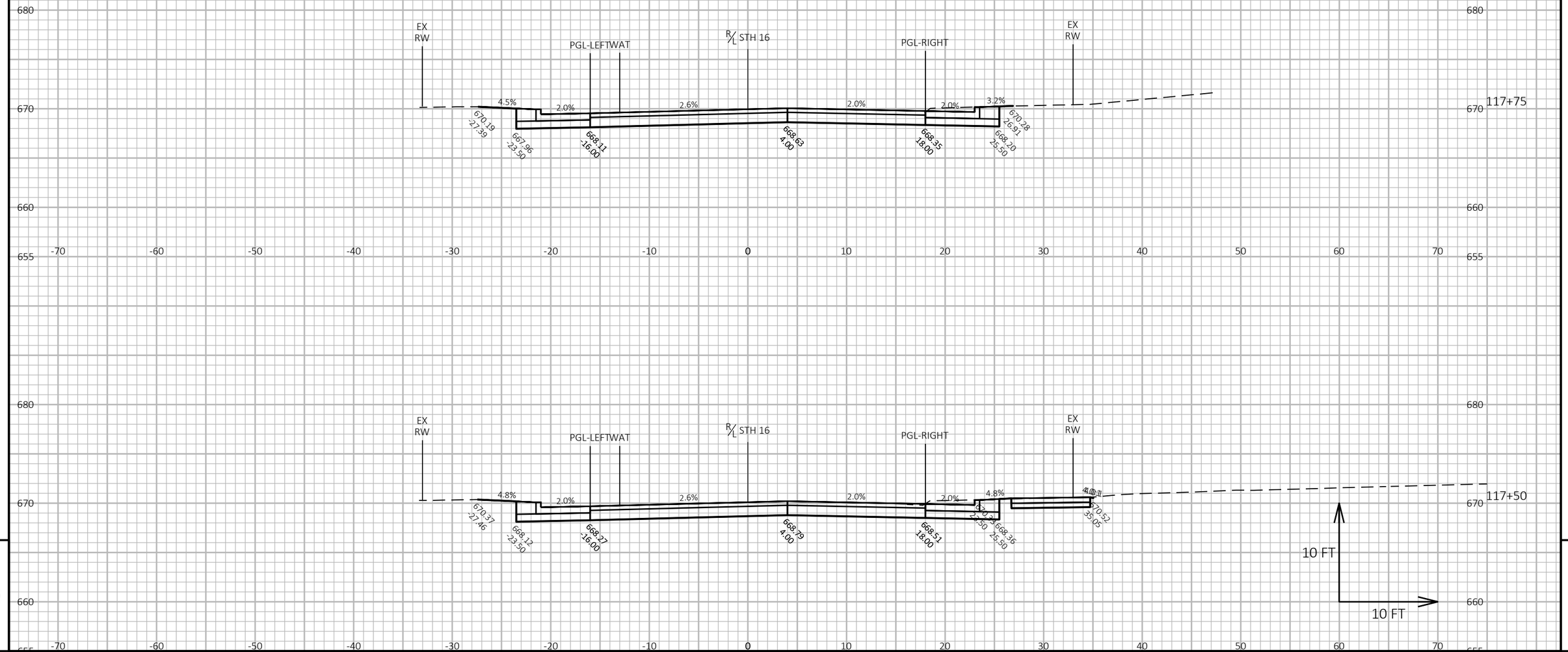
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 343	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 27

PLOT DATE : 10/18/2021 11:35 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 344	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 28

PLOT DATE : 10/18/2021 11:35 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

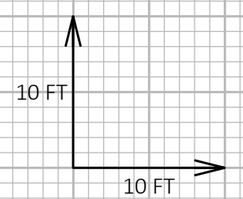
WISDOT/CADDS SHEET 49



118+25



118+00



9

9

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 345	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 29

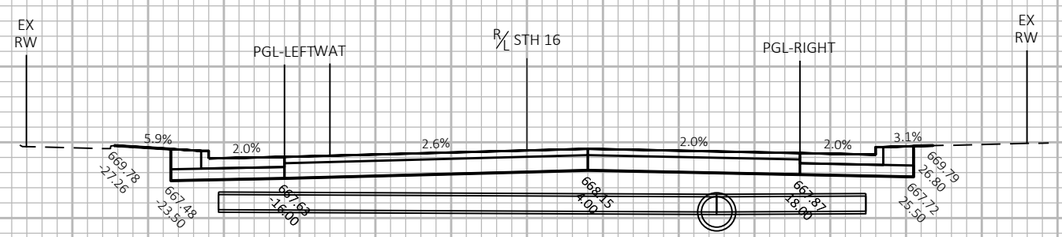
PLOT DATE : 10/18/2021 11:36 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



118+75



118+50

10 FT

10 FT

9

9

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 346	E

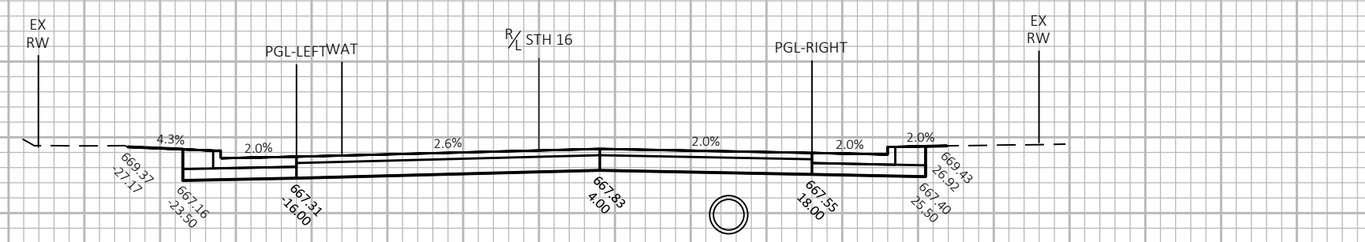
FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 30

PLOT DATE : 10/18/2021 11:36 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





9

9

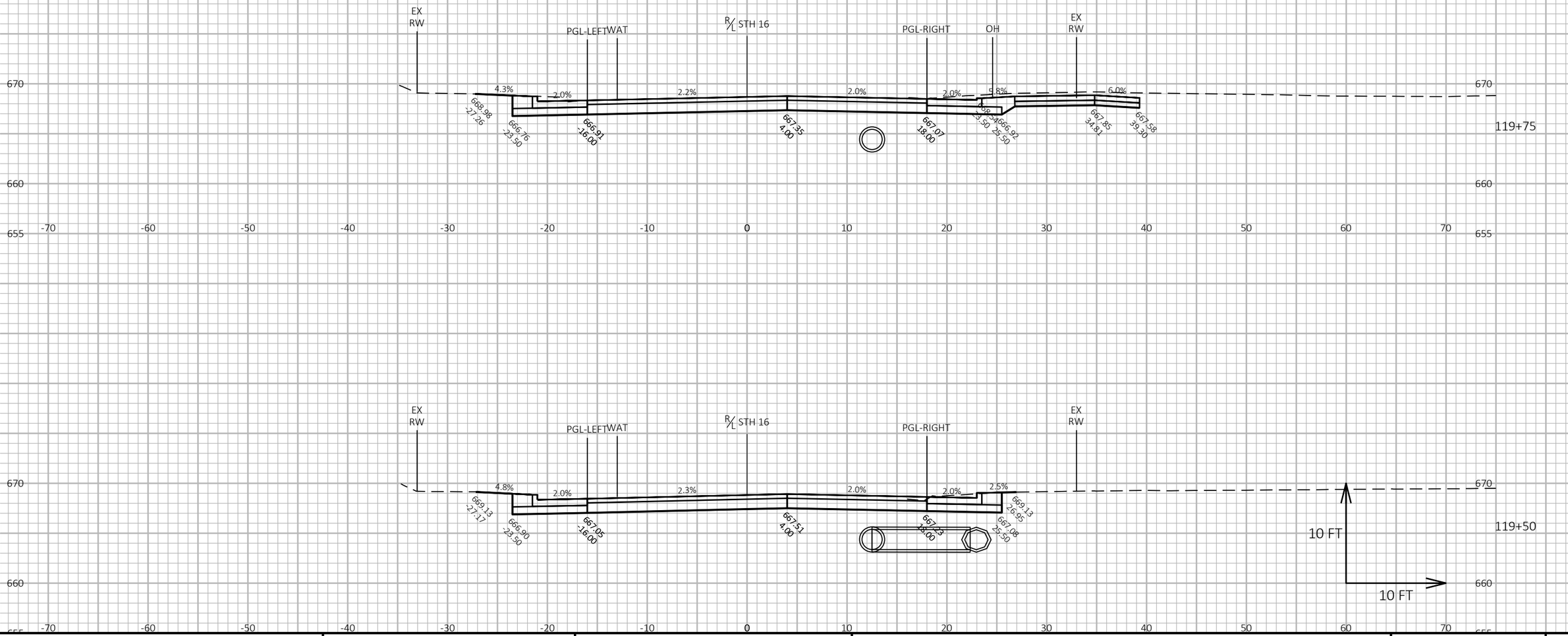
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 347	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 31

PLOT DATE : 10/18/2021 11:36 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

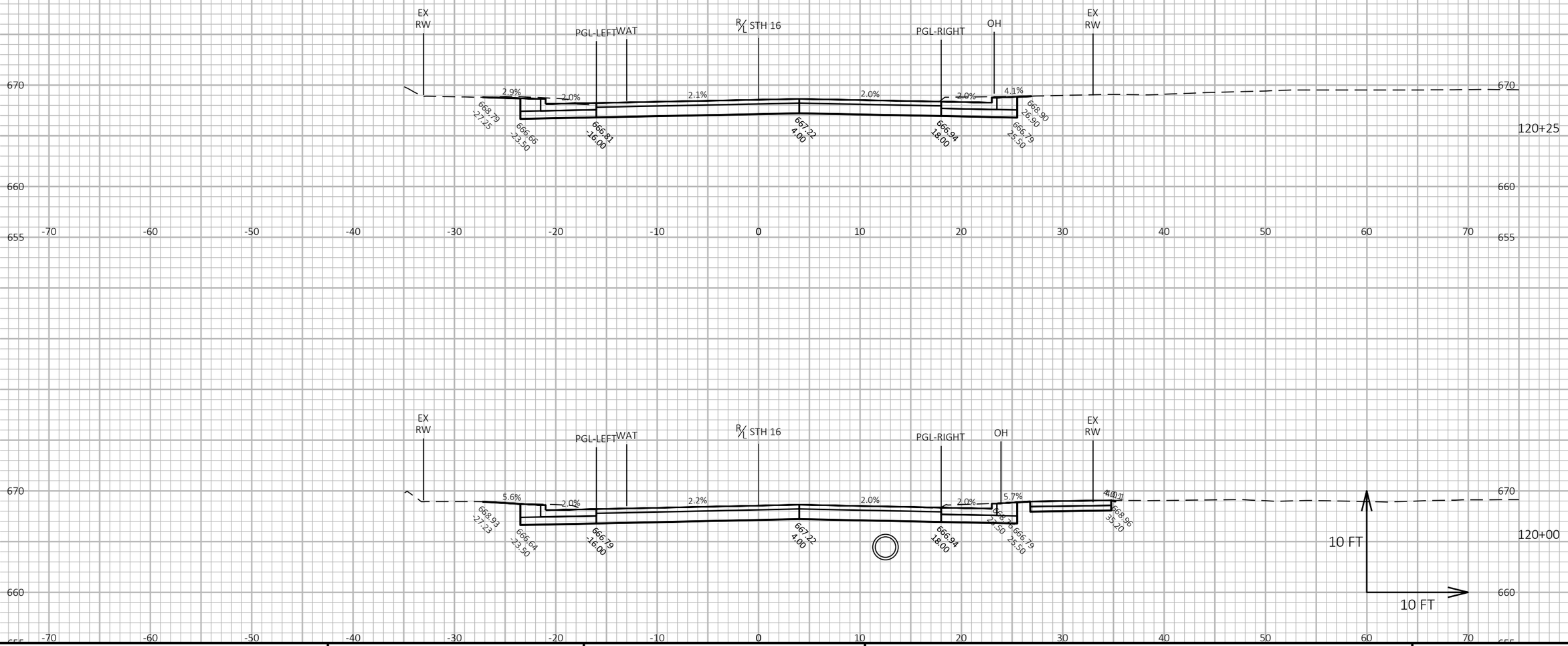
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 348	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 32

PLOT DATE : 10/18/2021 11:36 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

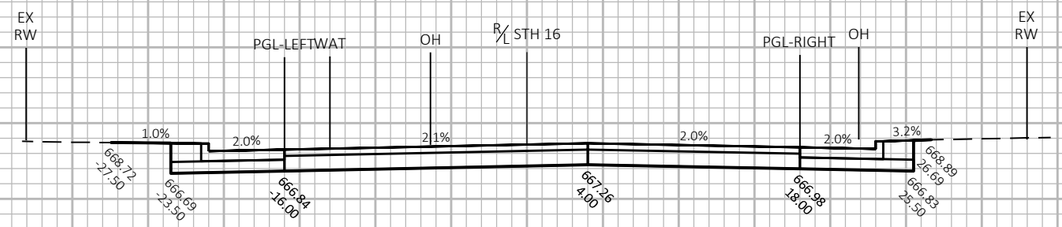
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 349	E

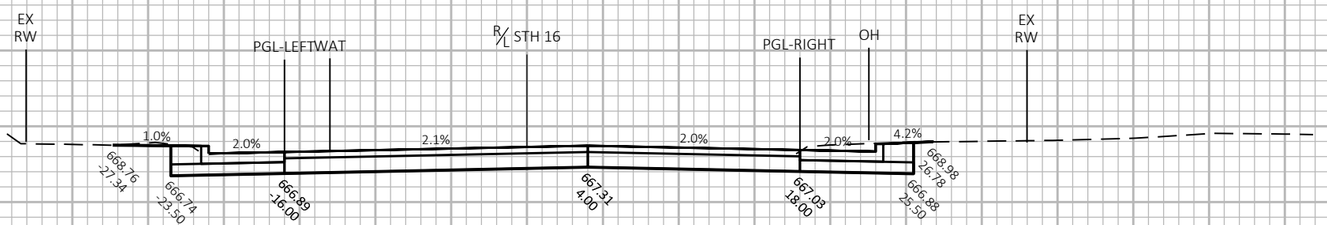
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LAYOUT NAME - 33

PLOT DATE : 10/18/2021 11:36 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





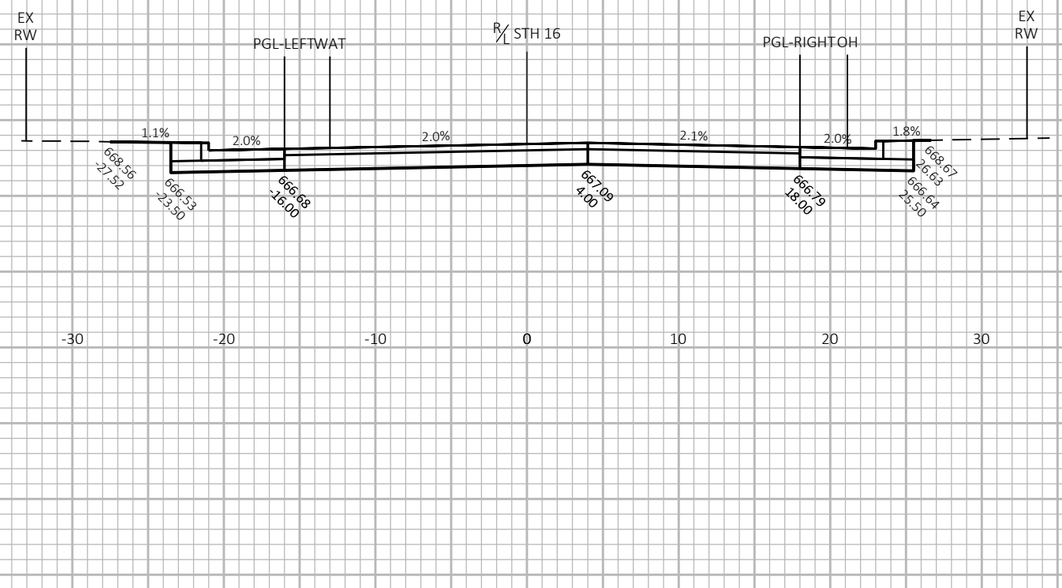
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PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 350	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 34

PLOT DATE : 10/18/2021 11:37 AM PLOT BY : WEIGAND, BEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



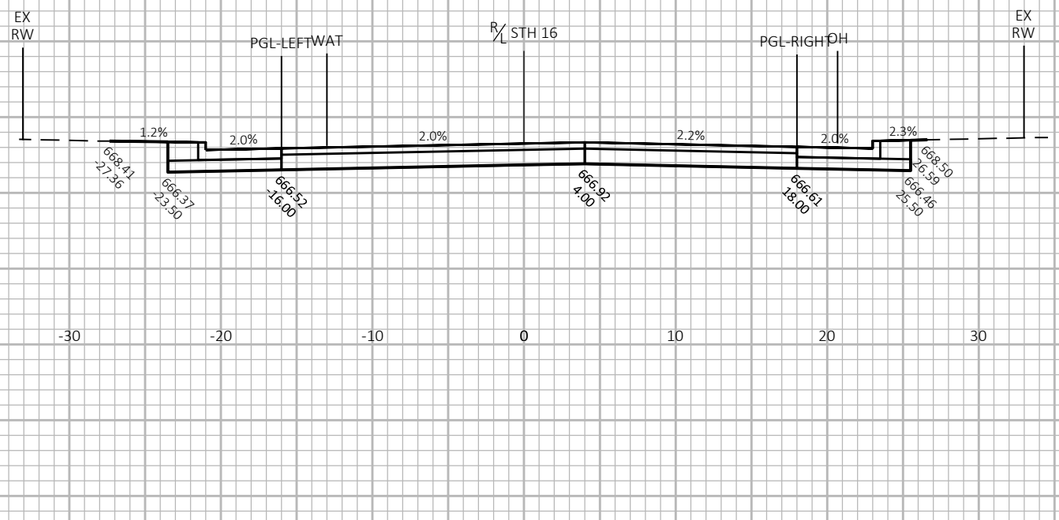
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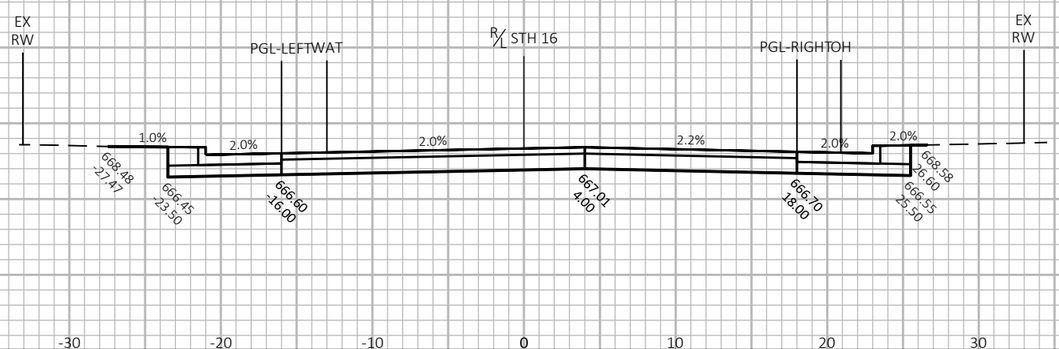
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LAYOUT NAME - 35

PLOT DATE : 10/18/2021 11:37 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





9

9

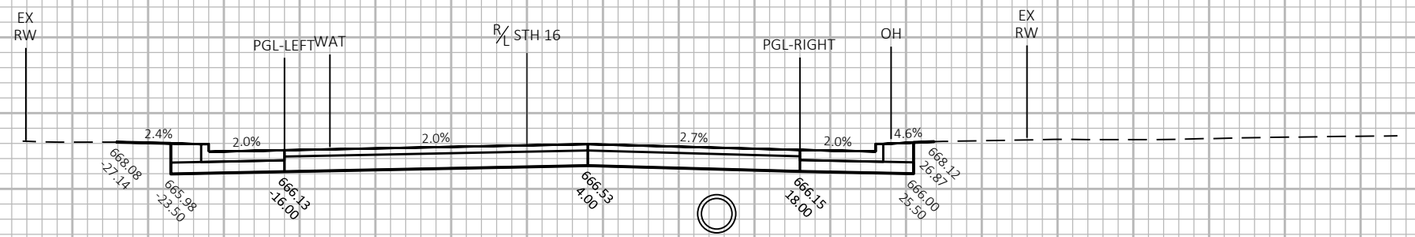
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 352	E

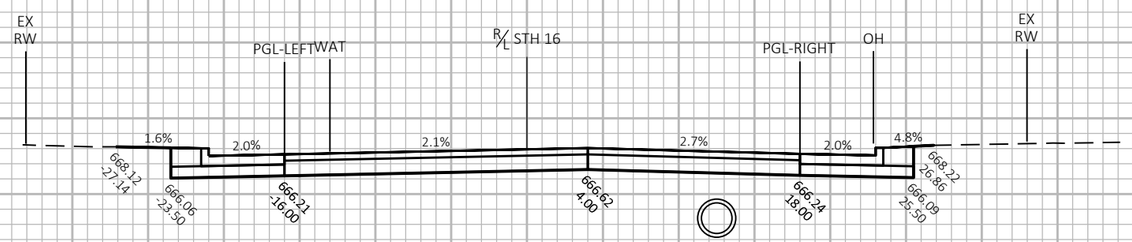
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LAYOUT NAME - 36

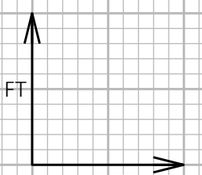
PLOT DATE : 10/18/2021 11:37 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







9

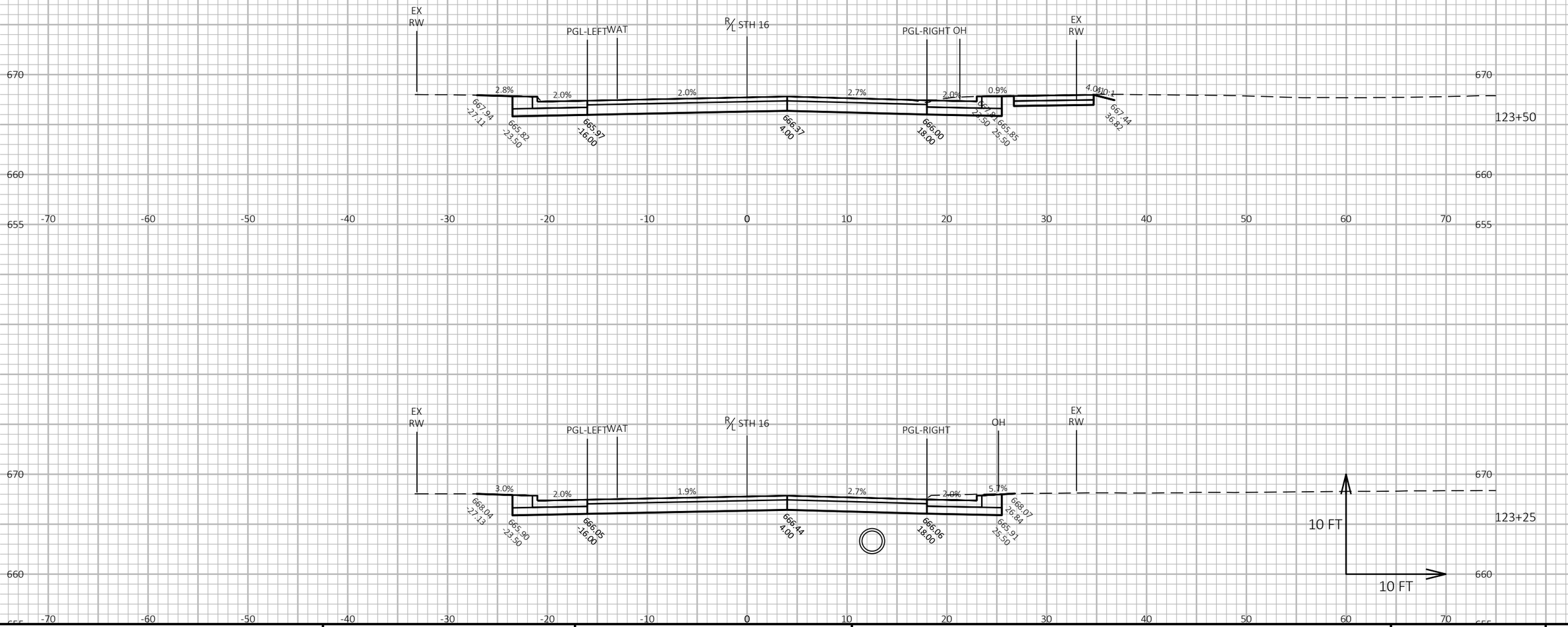
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PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 353	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 38

PLOT DATE : 10/18/2021 11:37 AM PLOT BY : WEIGAND, BEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

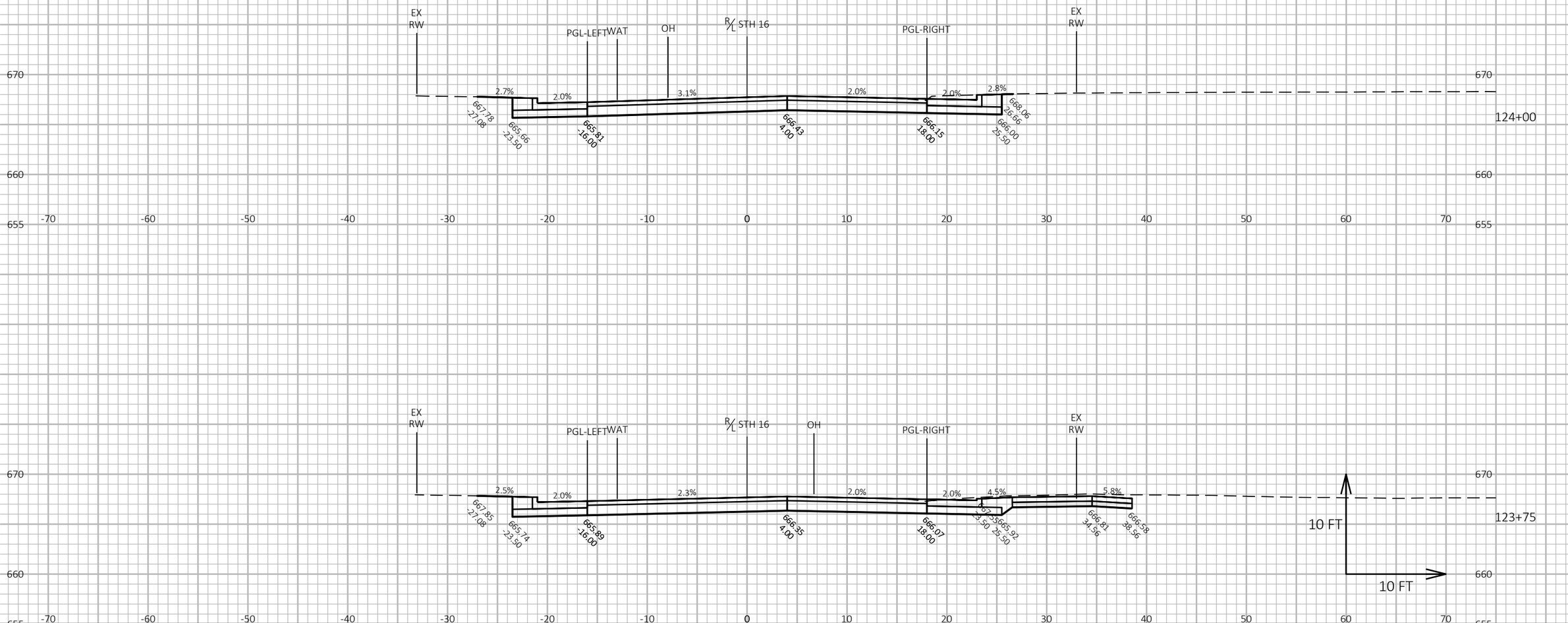
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 354	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 39

PLOT DATE : 10/18/2021 11:37 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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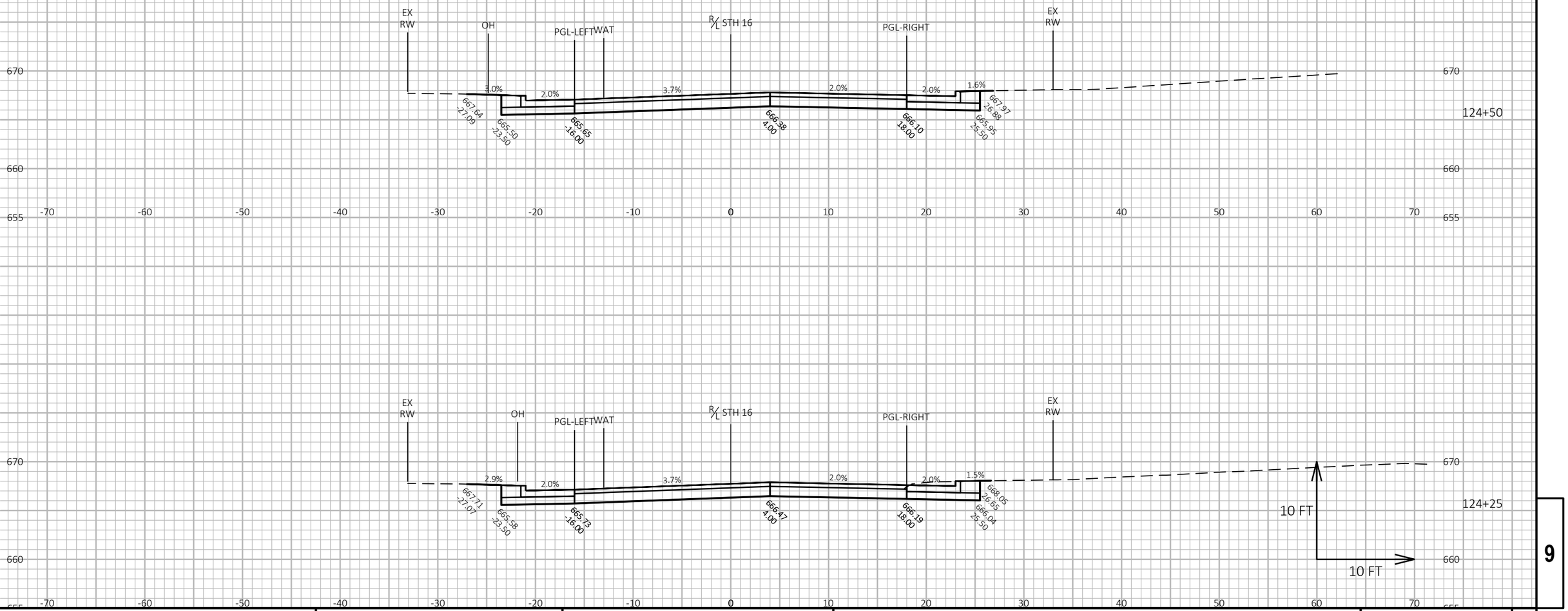
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PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 355	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 40

PLOT DATE : 10/18/2021 11:38 AM PLOT BY : WEIGAND, BEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 356	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 41

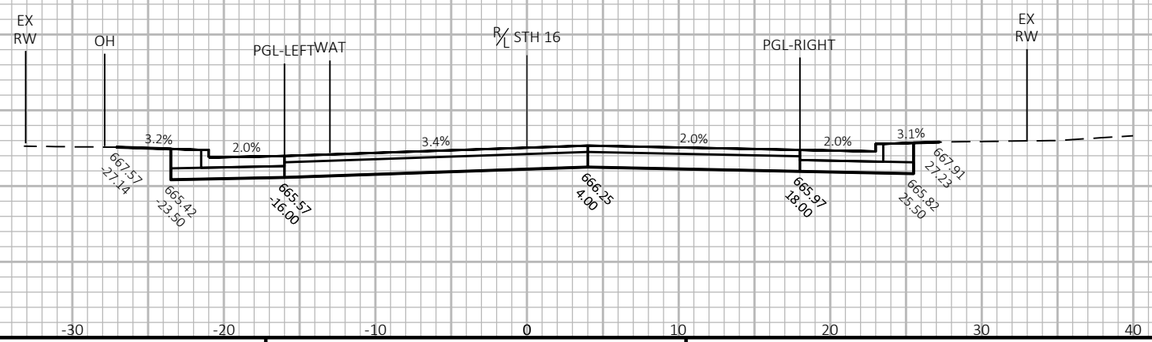
PLOT DATE : 10/18/2021 11:38 AM PLOT BY : WEIGAND, BEN PLOT NAME :

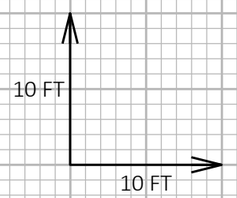
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



125+00





124+75

9

9

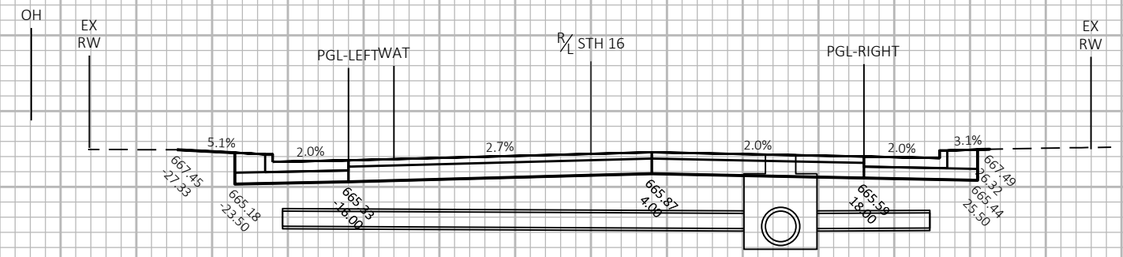
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 357	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 42

PLOT DATE : 10/18/2021 11:38 AM PLOT BY : WEIGAND, BEN PLOT NAME :

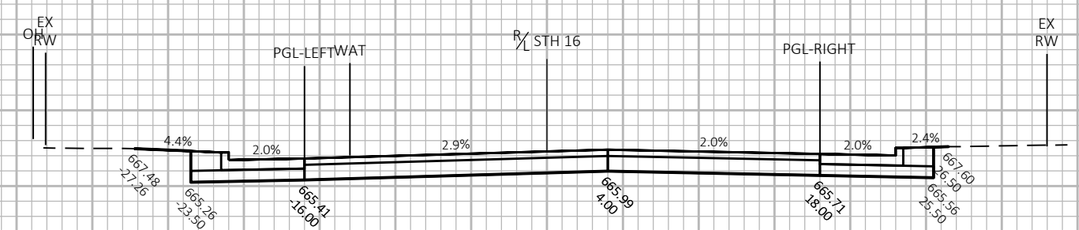
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



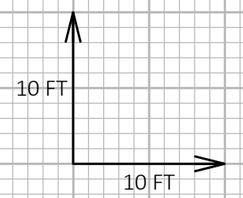
670
660
655
-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

125+50



670
660
655
-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

125+25



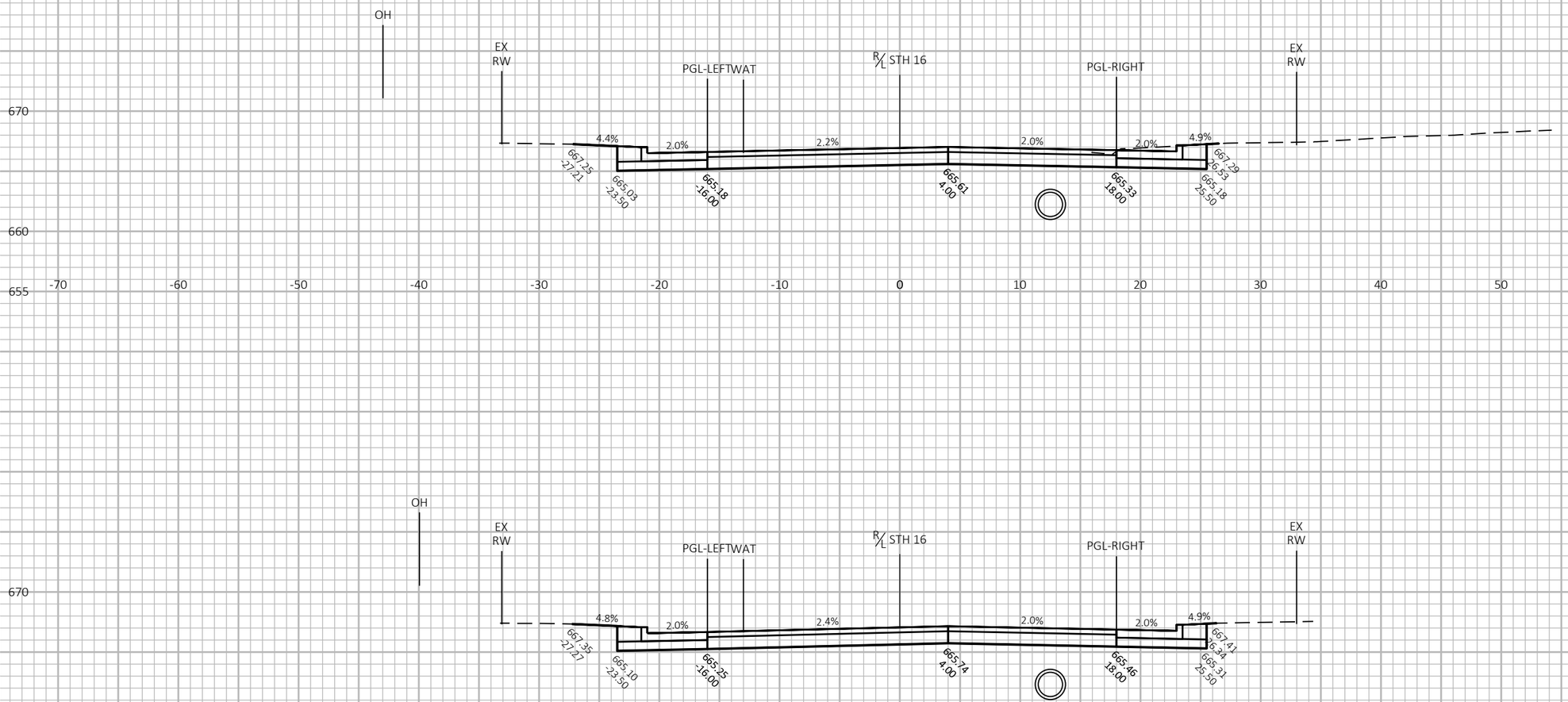
9 9

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 358	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 43

PLOT DATE : 10/18/2021 11:38 AM PLOT BY : WEIGAND, BEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

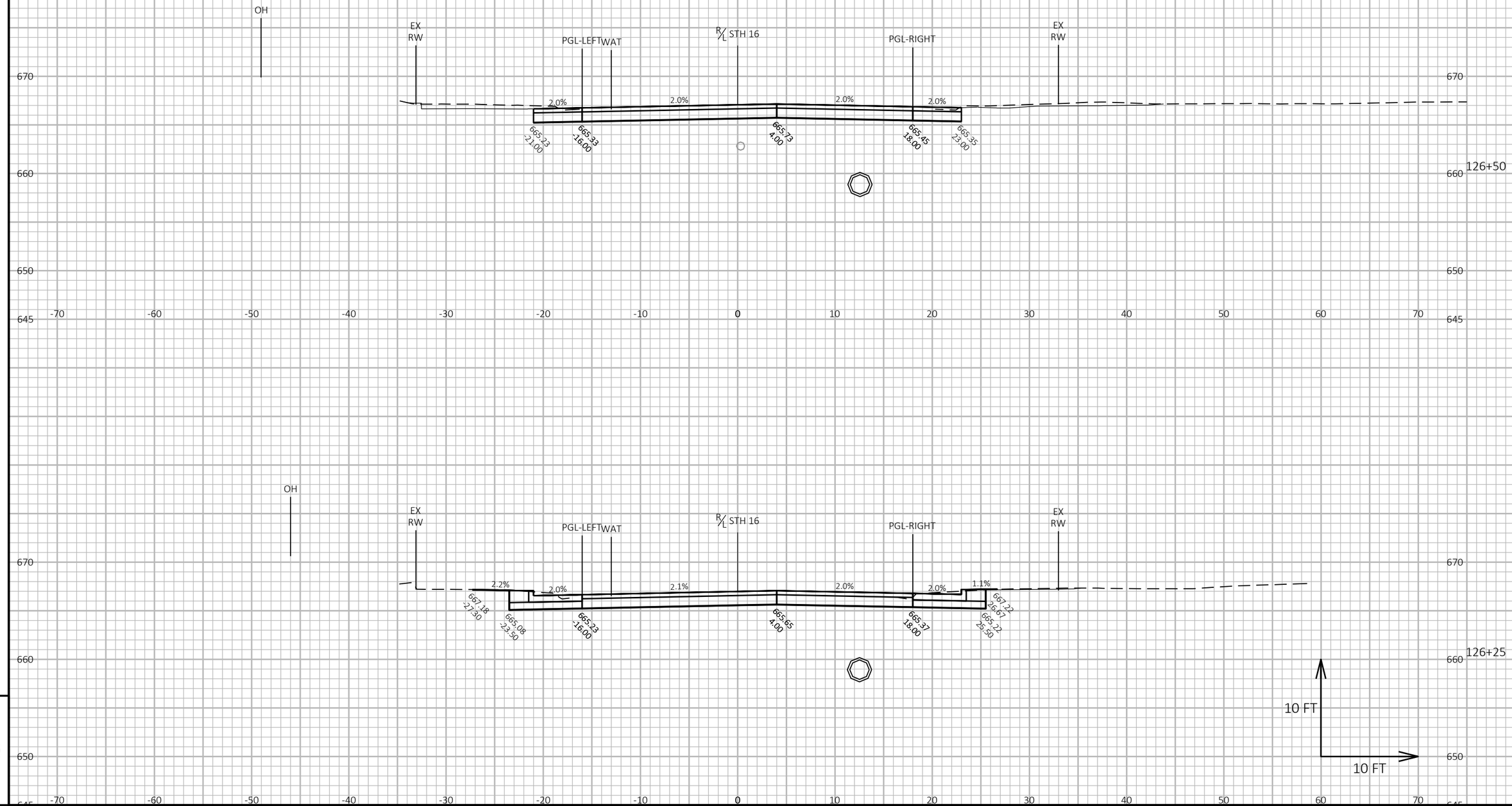
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PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 359	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 44

PLOT DATE : 10/18/2021 11:38 AM PLOT BY : WEIGAND, BEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

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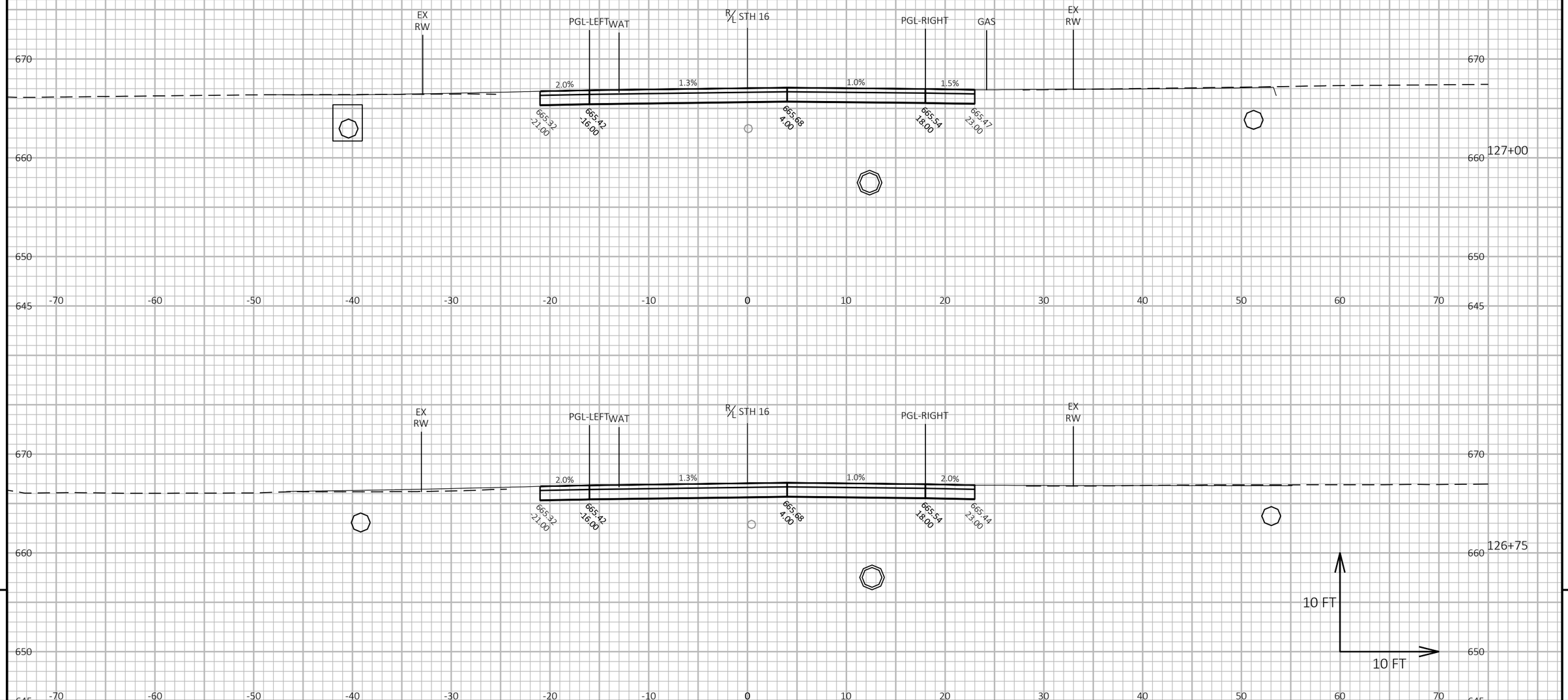
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 360	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 45

PLOT DATE : 10/18/2021 11:39 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

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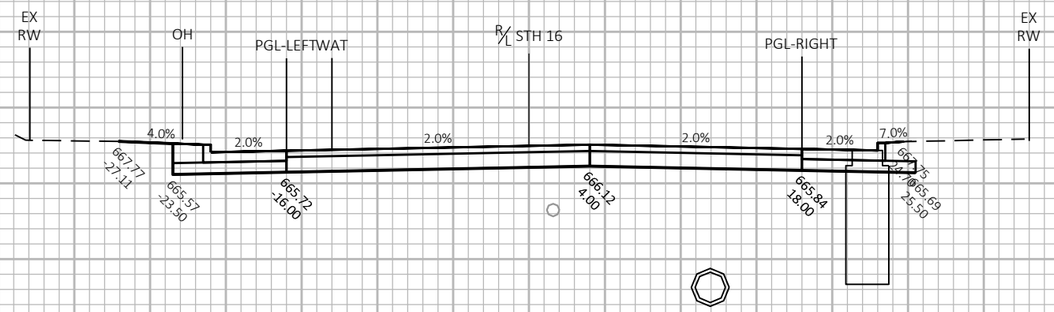
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 361	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 46

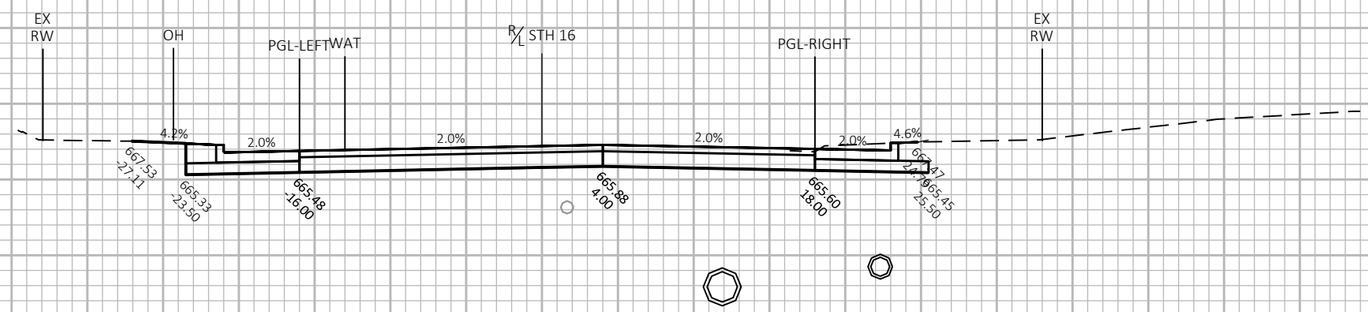
PLOT DATE : 10/18/2021 11:39 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



128+00



127+75

10 FT

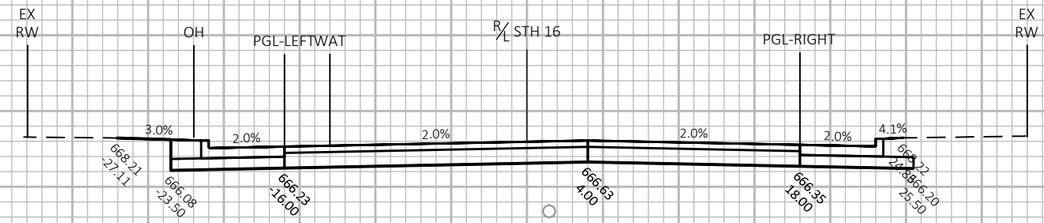
10 FT

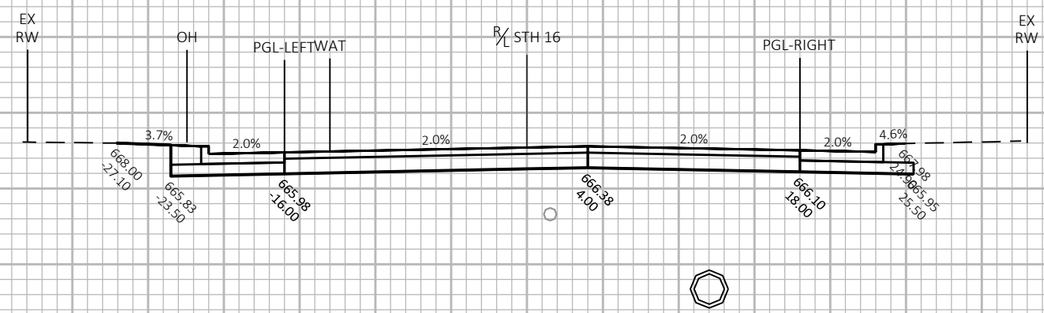
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 362	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 48

PLOT DATE : 10/18/2021 11:39 AM PLOT BY : WEIGAND, BEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





9

9

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 363	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 49

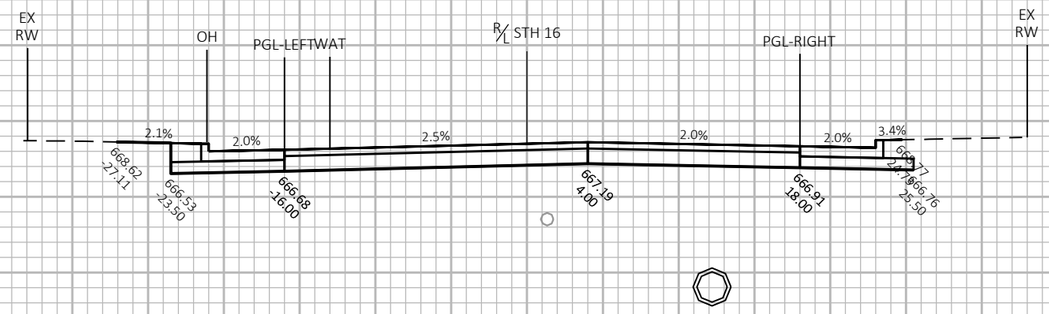
PLOT DATE : 10/18/2021 11:39 AM

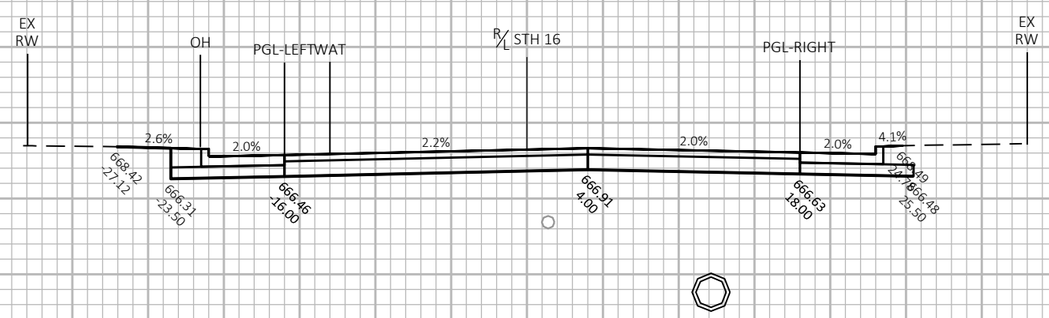
PLOT BY : WEIGAND, BEN

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





9

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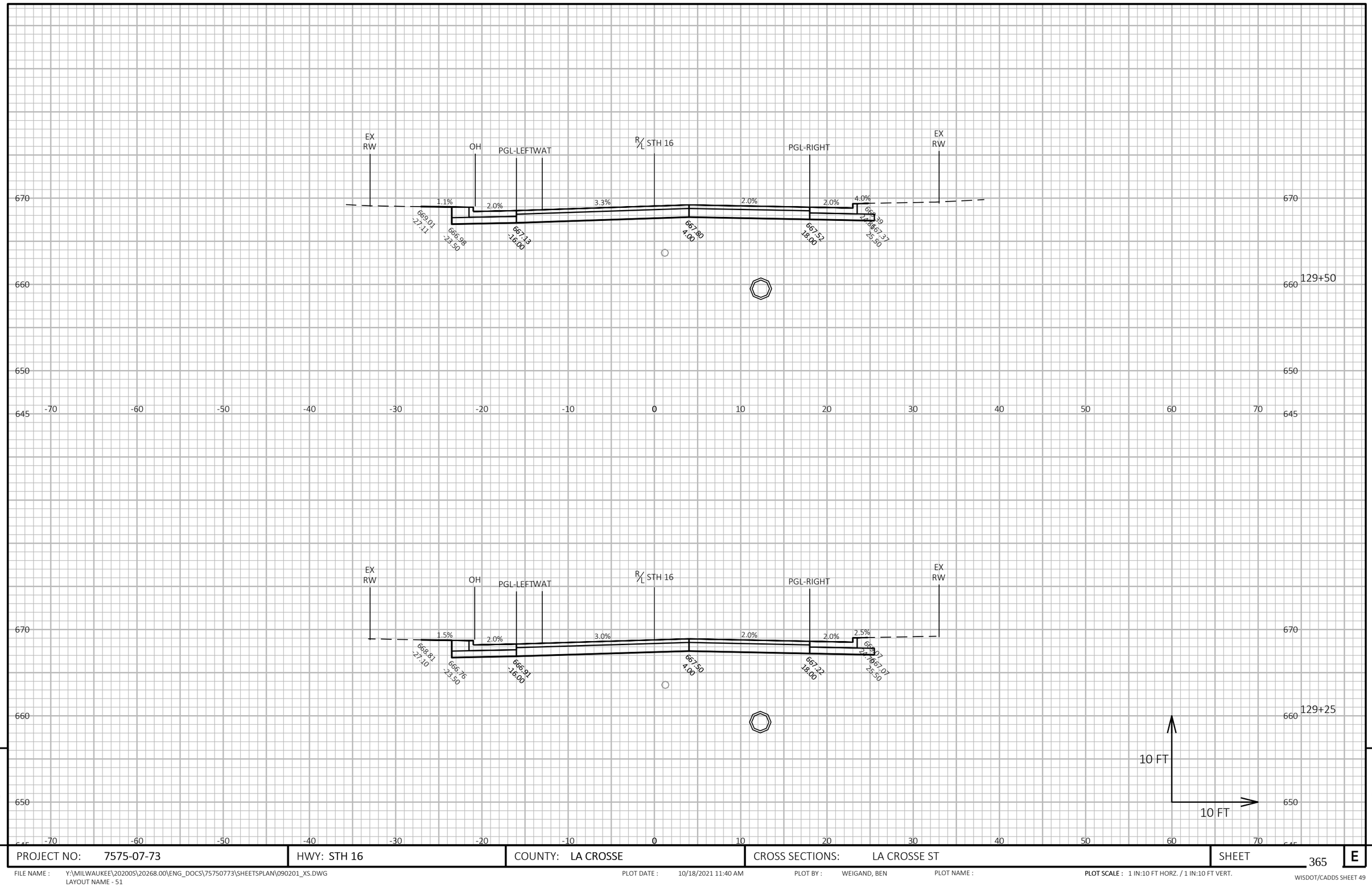
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 364	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 50

PLOT DATE : 10/18/2021 11:39 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

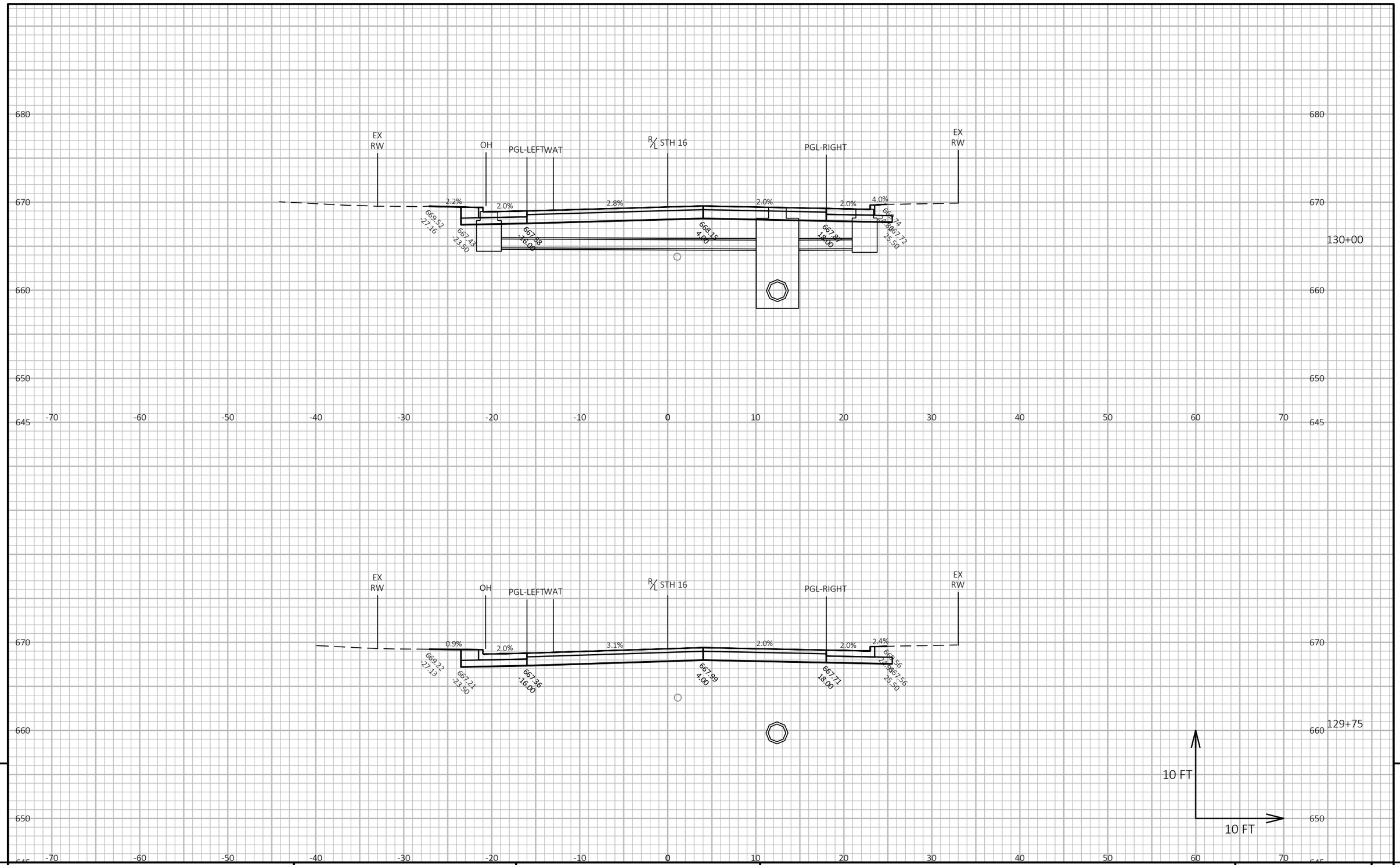
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 365	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 51

PLOT DATE : 10/18/2021 11:40 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

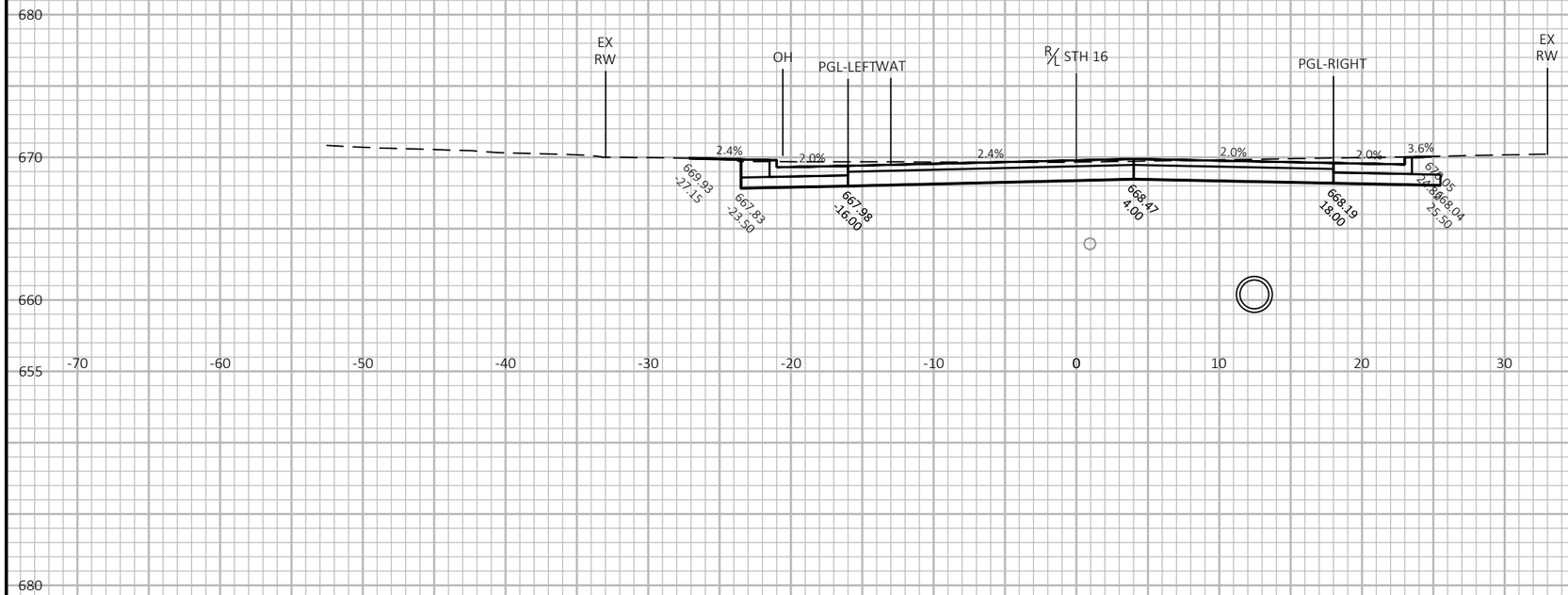
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 366	E

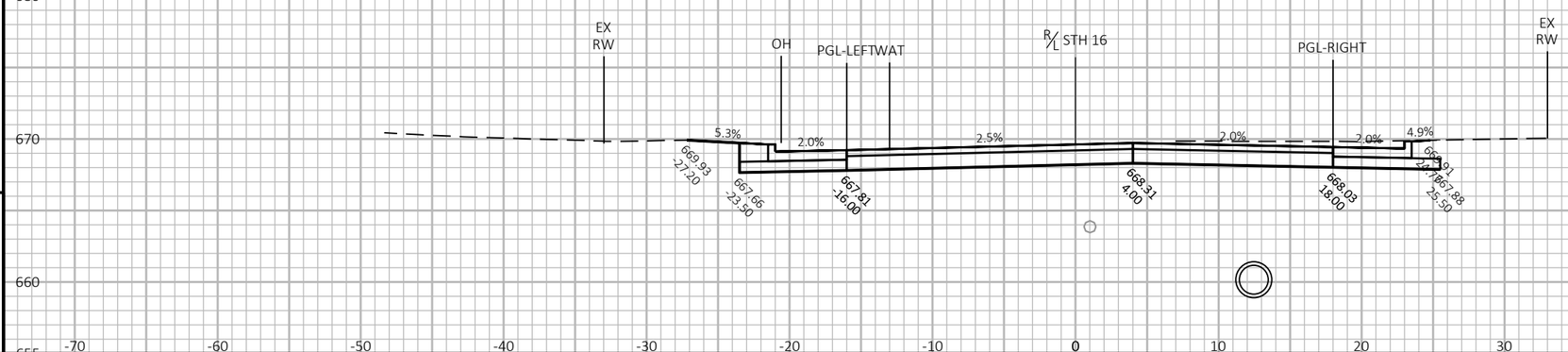
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LAYOUT NAME - 52

PLOT DATE : 10/18/2021 11:40 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





9

9

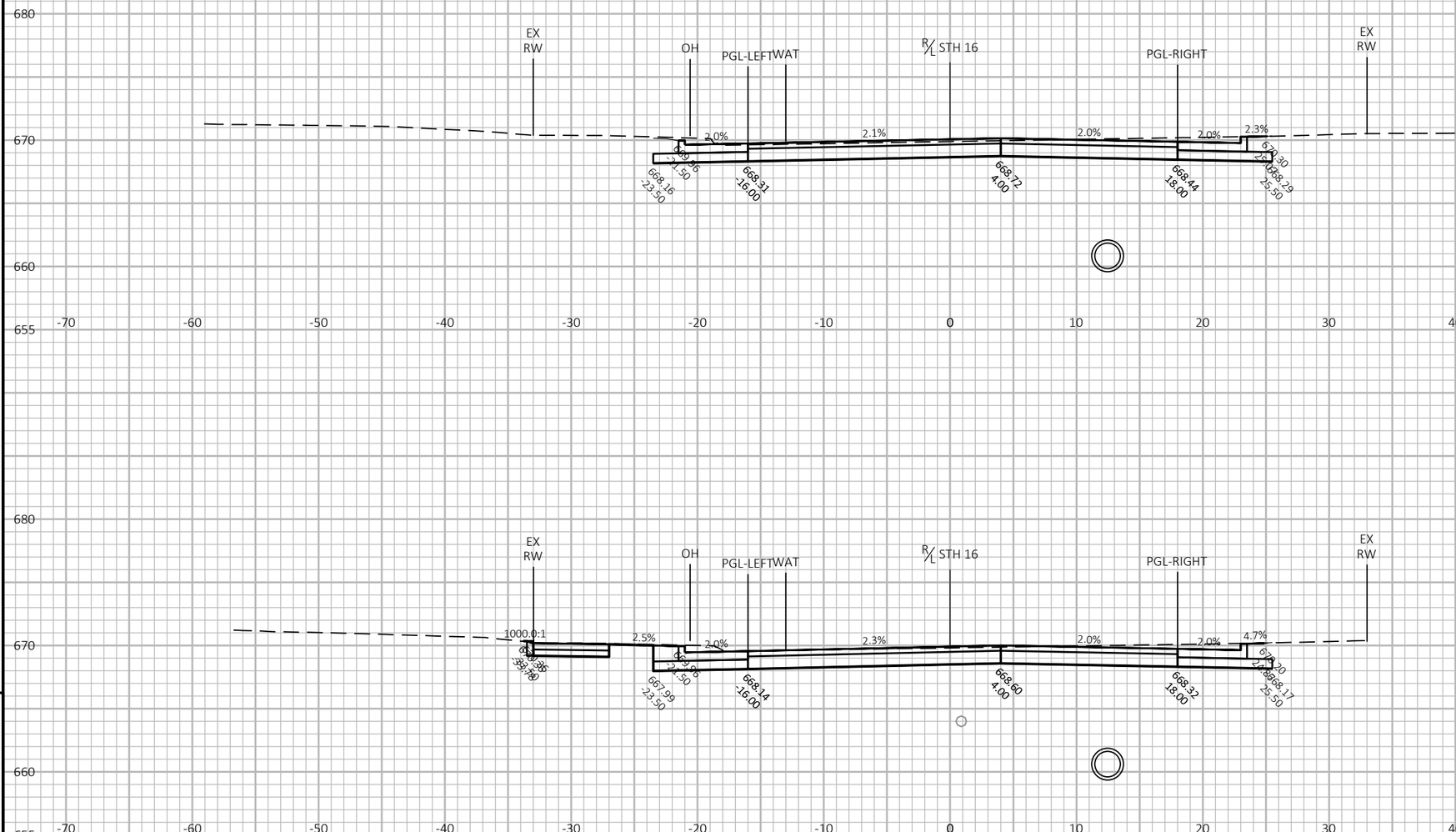
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 367	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 53

PLOT DATE : 10/18/2021 11:40 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

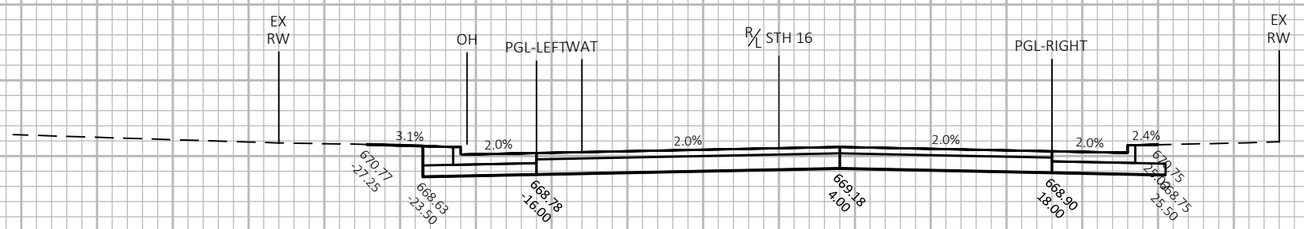
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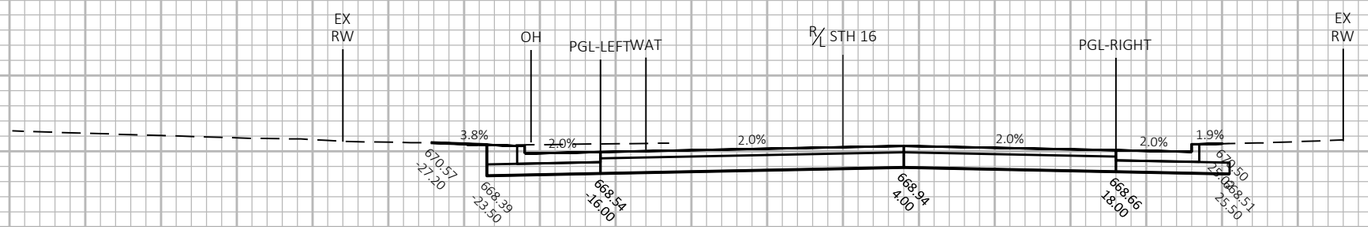
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 368	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 54

PLOT DATE : 10/18/2021 11:40 AM PLOT BY : WEIGAND, BEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





680 670 660 655 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

131+50

131+25

10 FT

10 FT

9

9

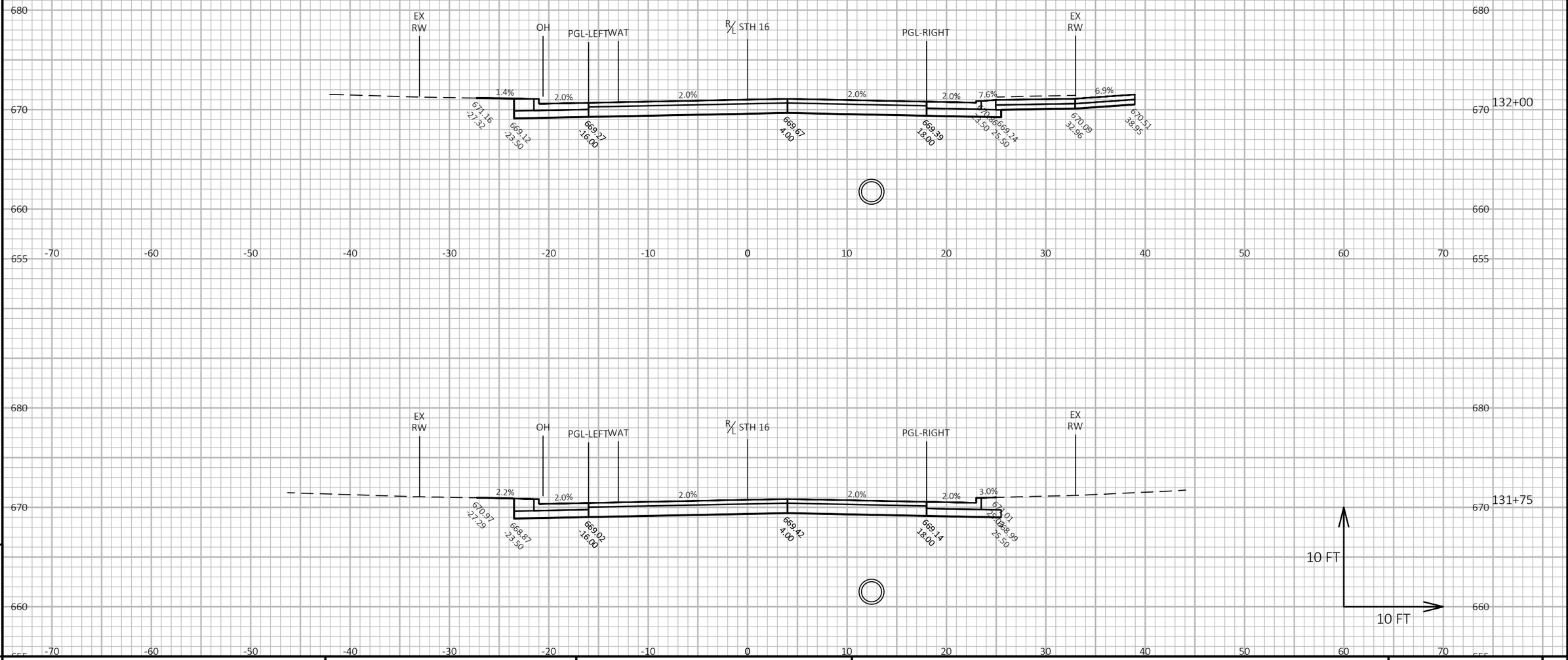
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 369	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 55

PLOT DATE : 10/18/2021 11:41 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

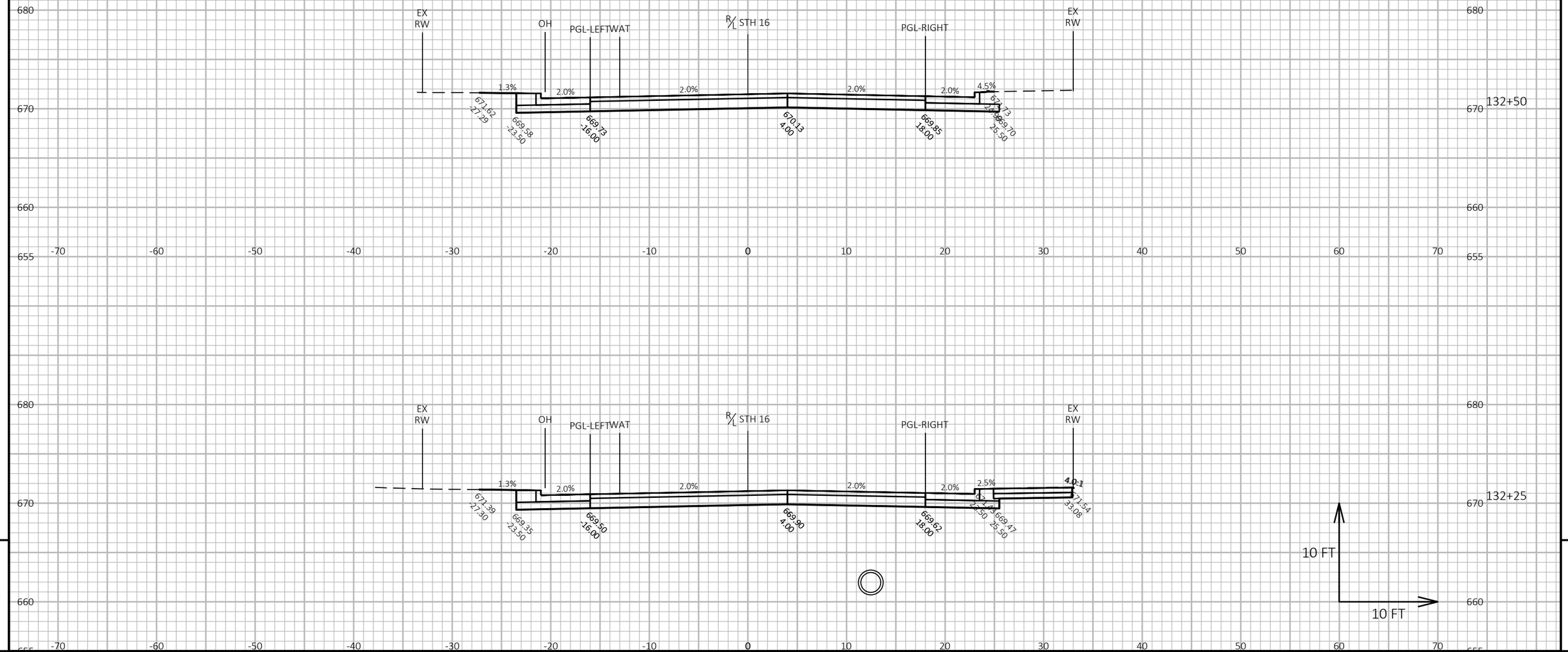
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 370	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 56

PLOT DATE : 10/18/2021 11:41 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

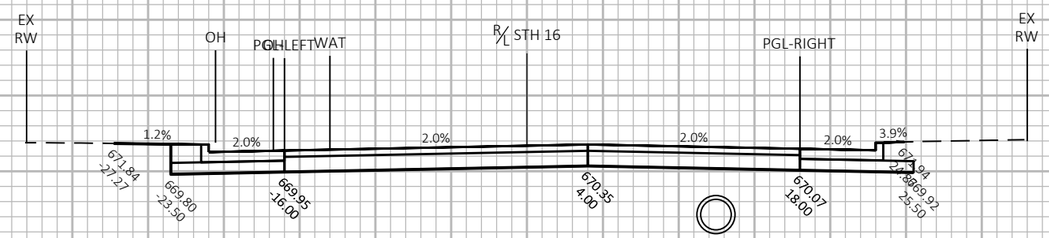
WISDOT/CADDS SHEET 49



PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 371	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 57
PLOT DATE : 10/18/2021 11:41 AM
PLOT BY : WEIGAND, BEN
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49





680 670 660 655 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

133+00

132+75

10 FT

10 FT

9

9

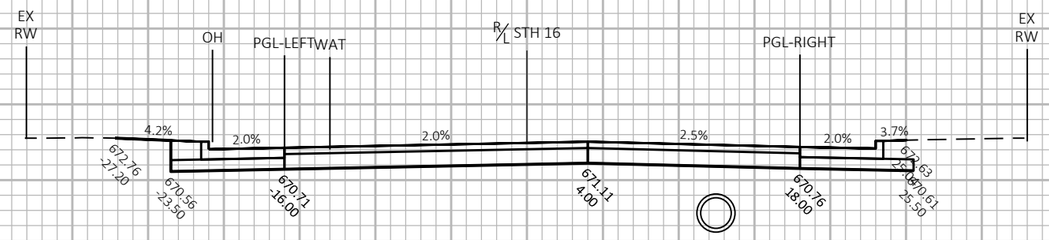
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 372	E

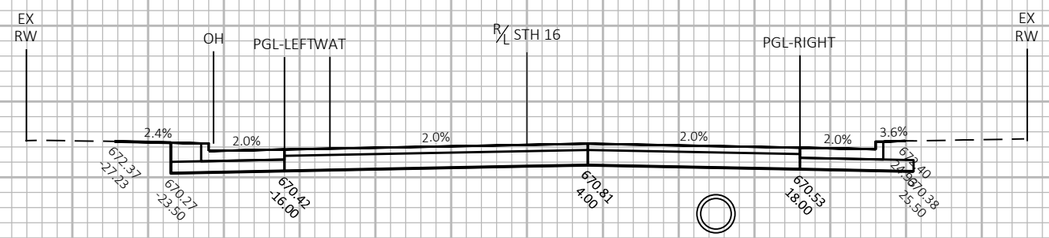
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LAYOUT NAME - 58

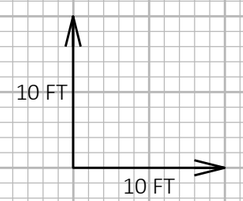
PLOT DATE : 10/18/2021 11:41 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







133+50

133+25

9

9

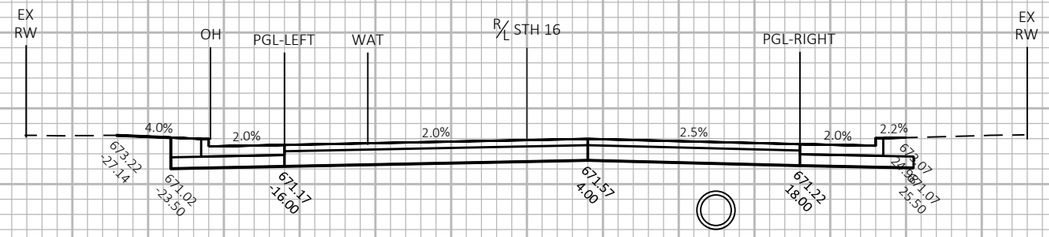
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 373	E

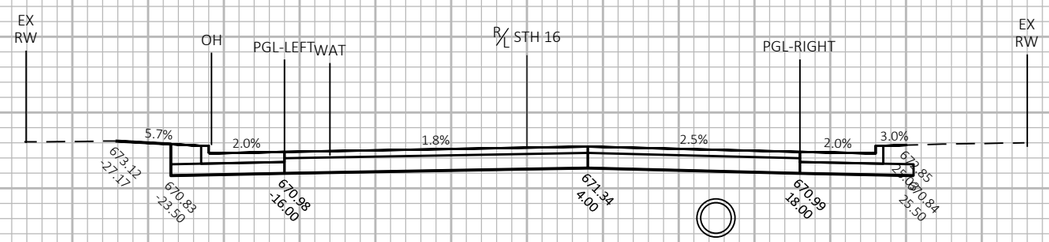
FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 59

PLOT DATE : 10/18/2021 11:41 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







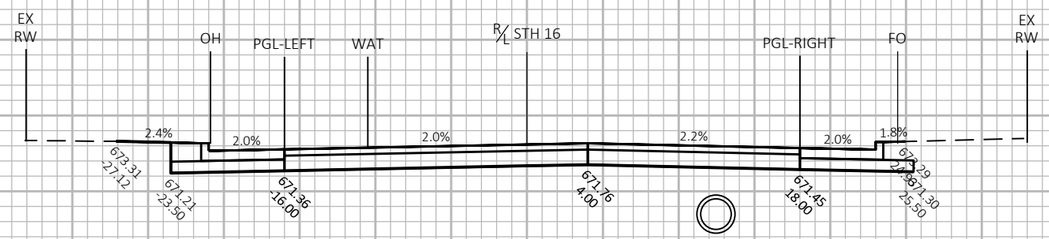
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 374	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 60

PLOT DATE : 10/18/2021 11:42 AM PLOT BY : WEIGAND, BEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





134+50

134+25

10 FT

10 FT

9

9

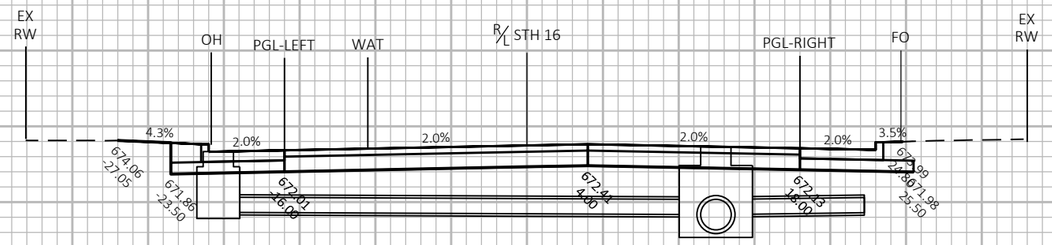
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 375	E

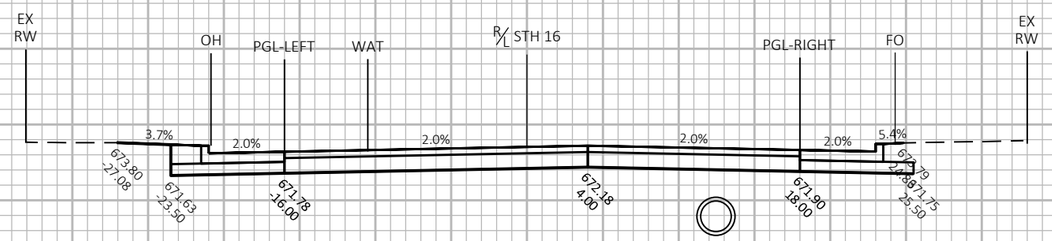
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LAYOUT NAME - 61

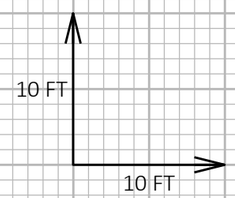
PLOT DATE : 10/18/2021 11:42 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







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PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 376	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 62

PLOT DATE : 10/18/2021 11:42 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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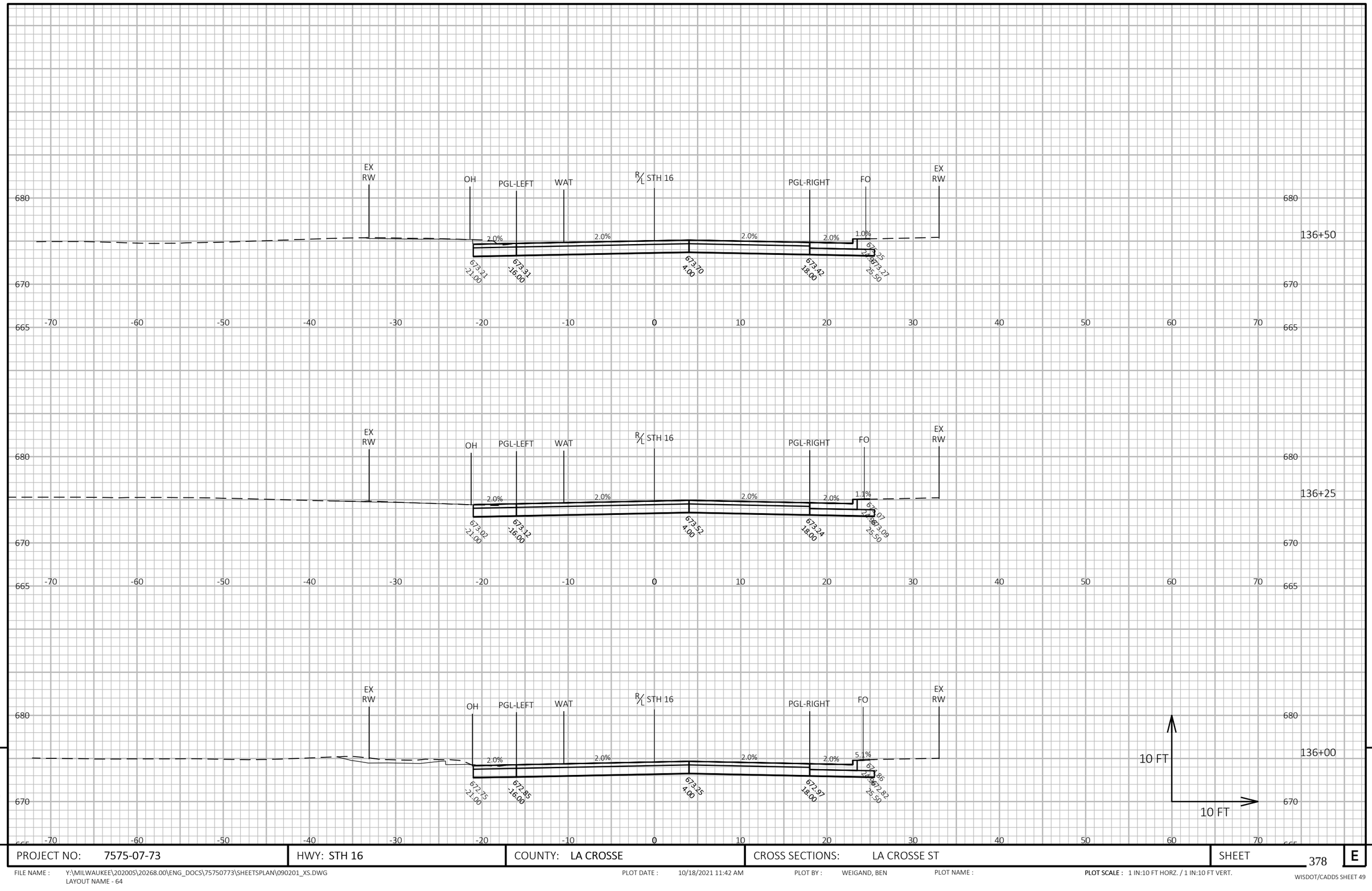
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 377	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 63

PLOT DATE : 10/18/2021 11:42 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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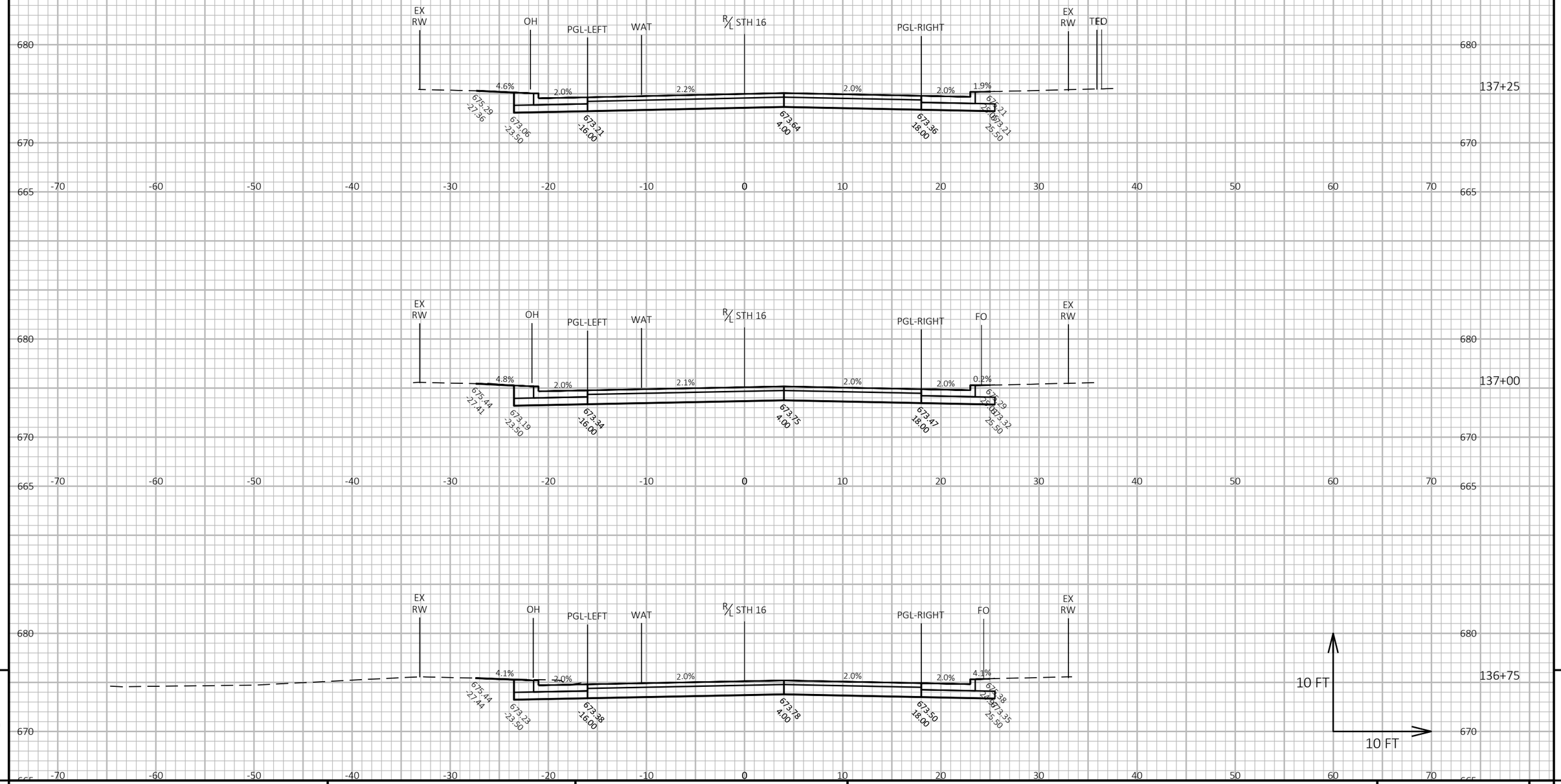
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 378	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 64

PLOT DATE : 10/18/2021 11:42 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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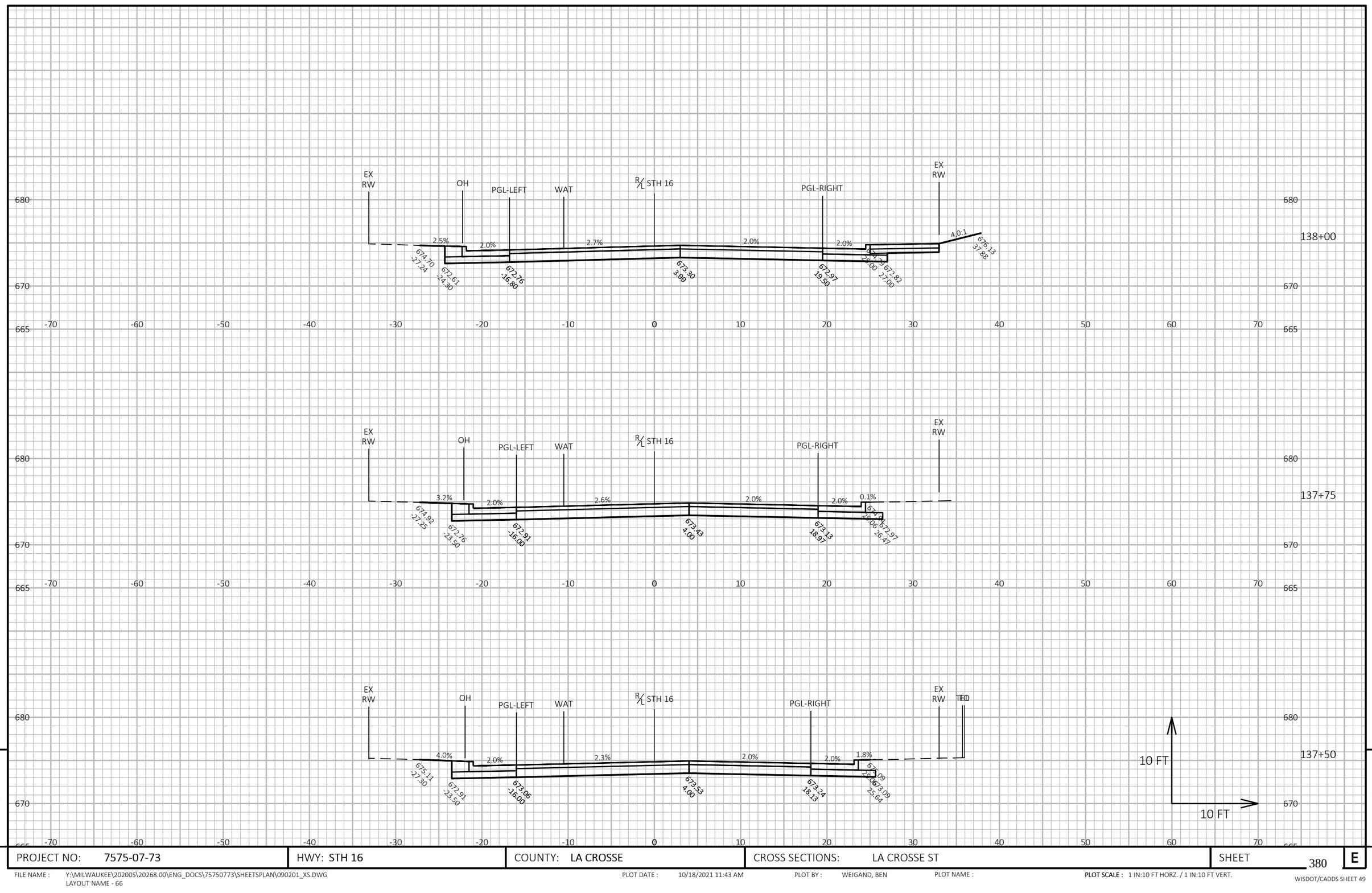
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 379	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 65

PLOT DATE : 10/18/2021 11:43 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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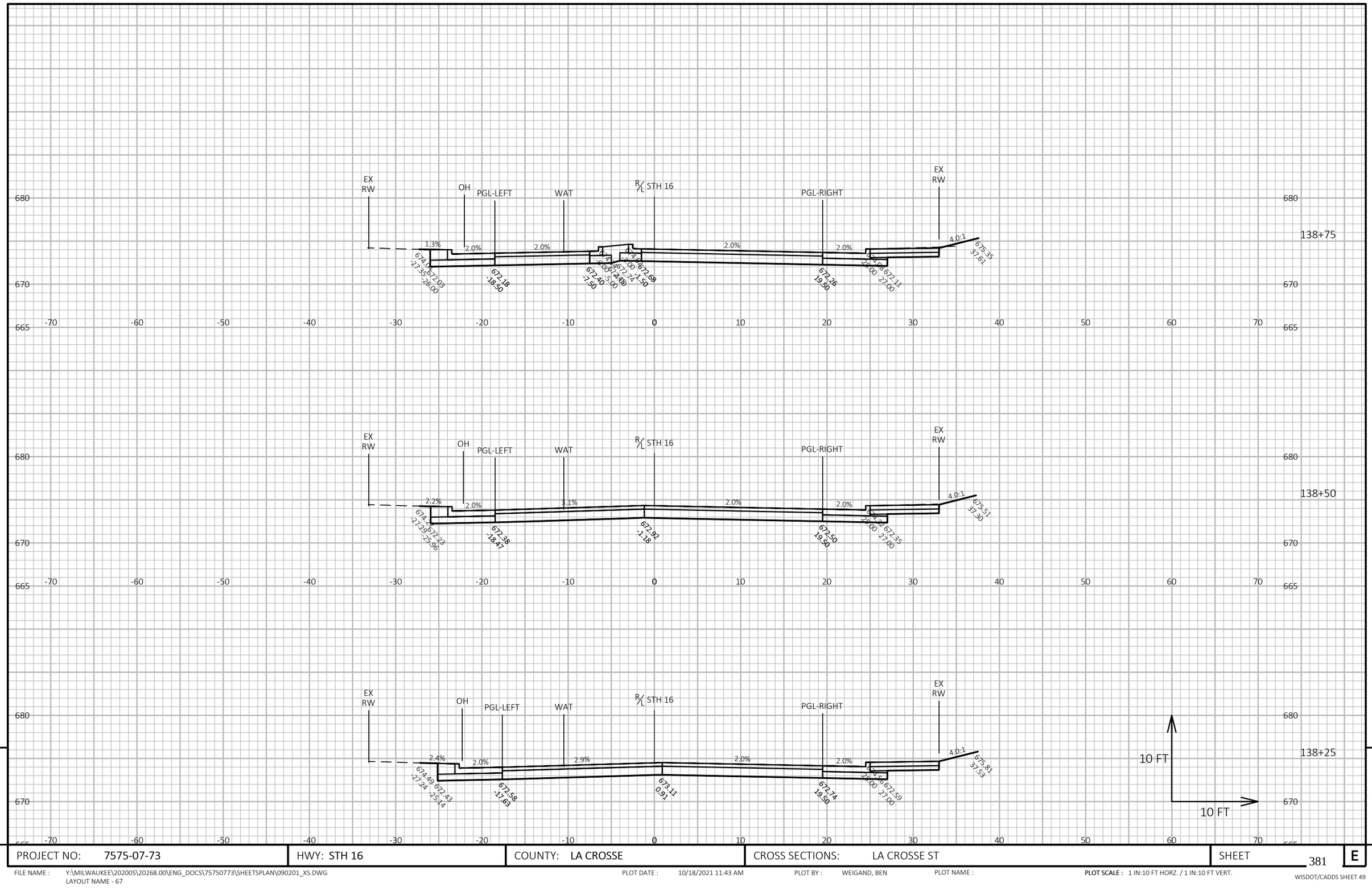
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 380	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\7575073\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 66

PLOT DATE : 10/18/2021 11:43 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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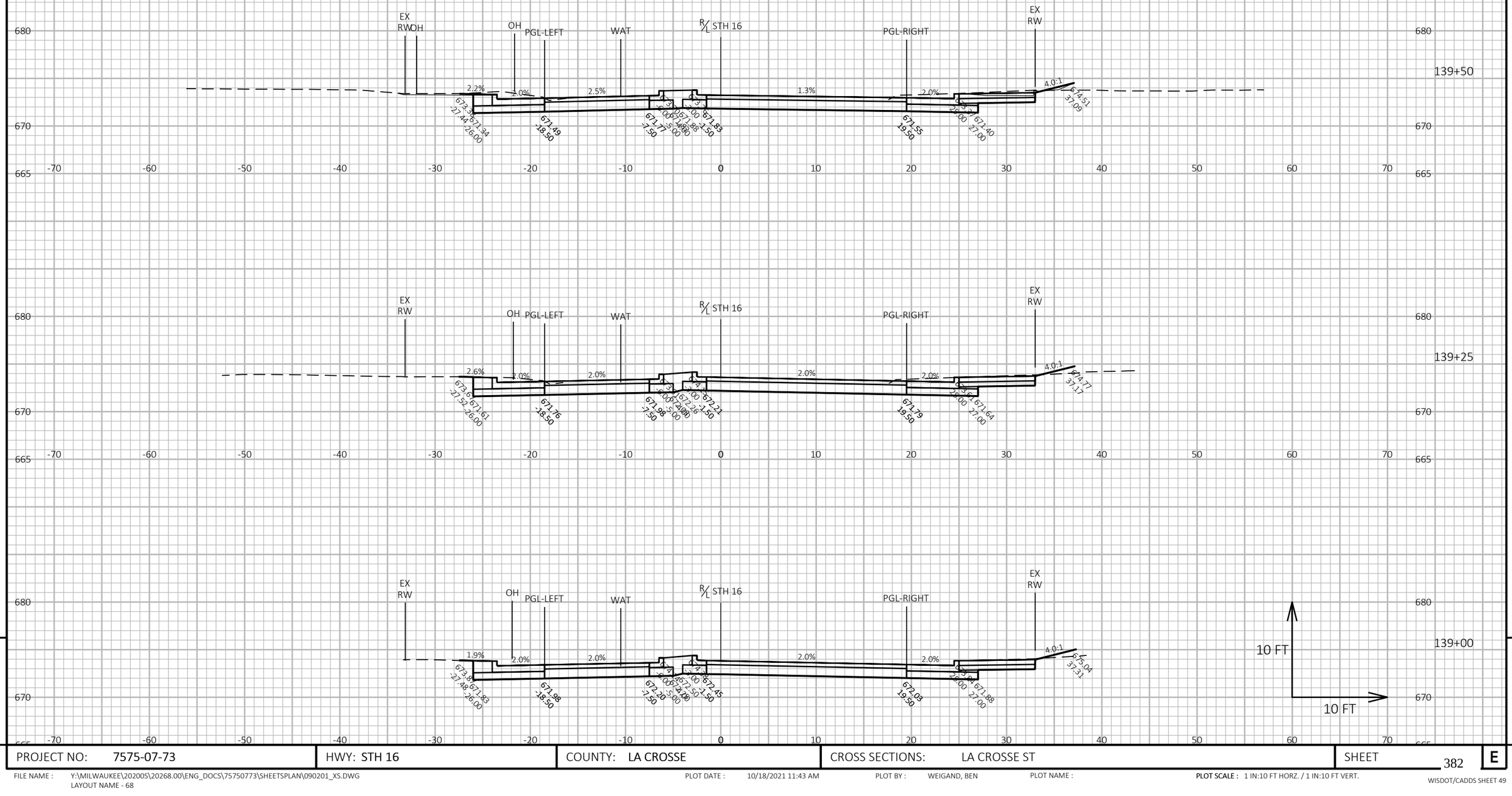
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 381	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 67

PLOT DATE : 10/18/2021 11:43 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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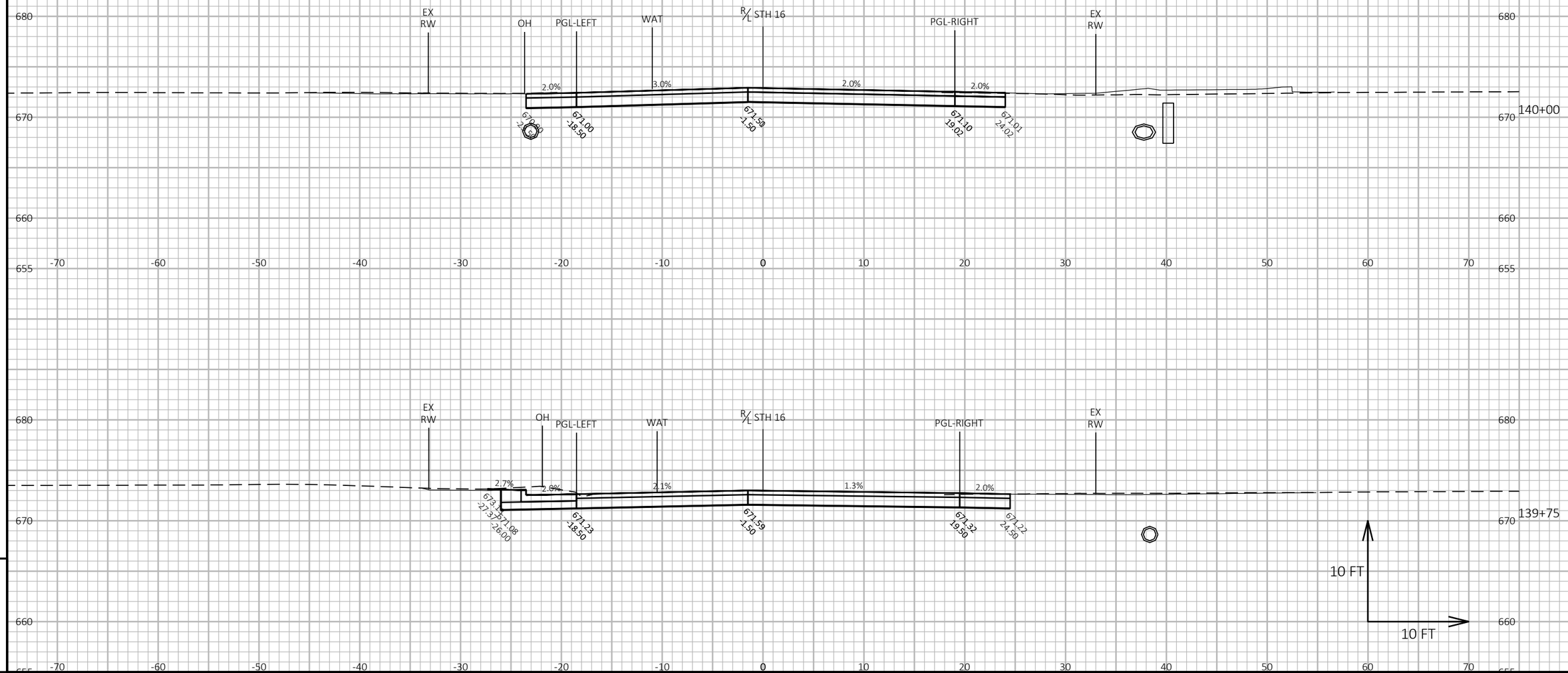
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 382	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 68

PLOT DATE : 10/18/2021 11:43 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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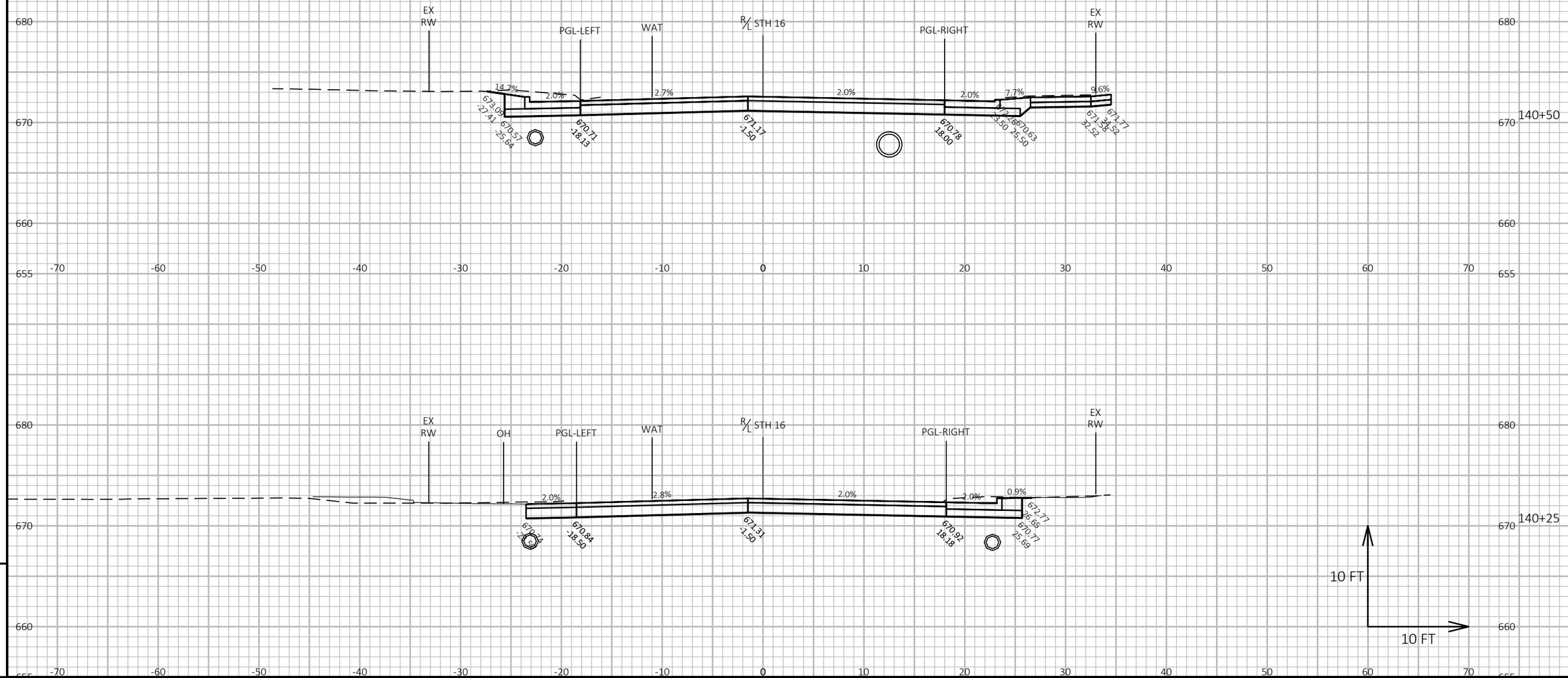
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PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 383	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 69

PLOT DATE : 10/18/2021 11:43 AM PLOT BY : WEIGAND, BEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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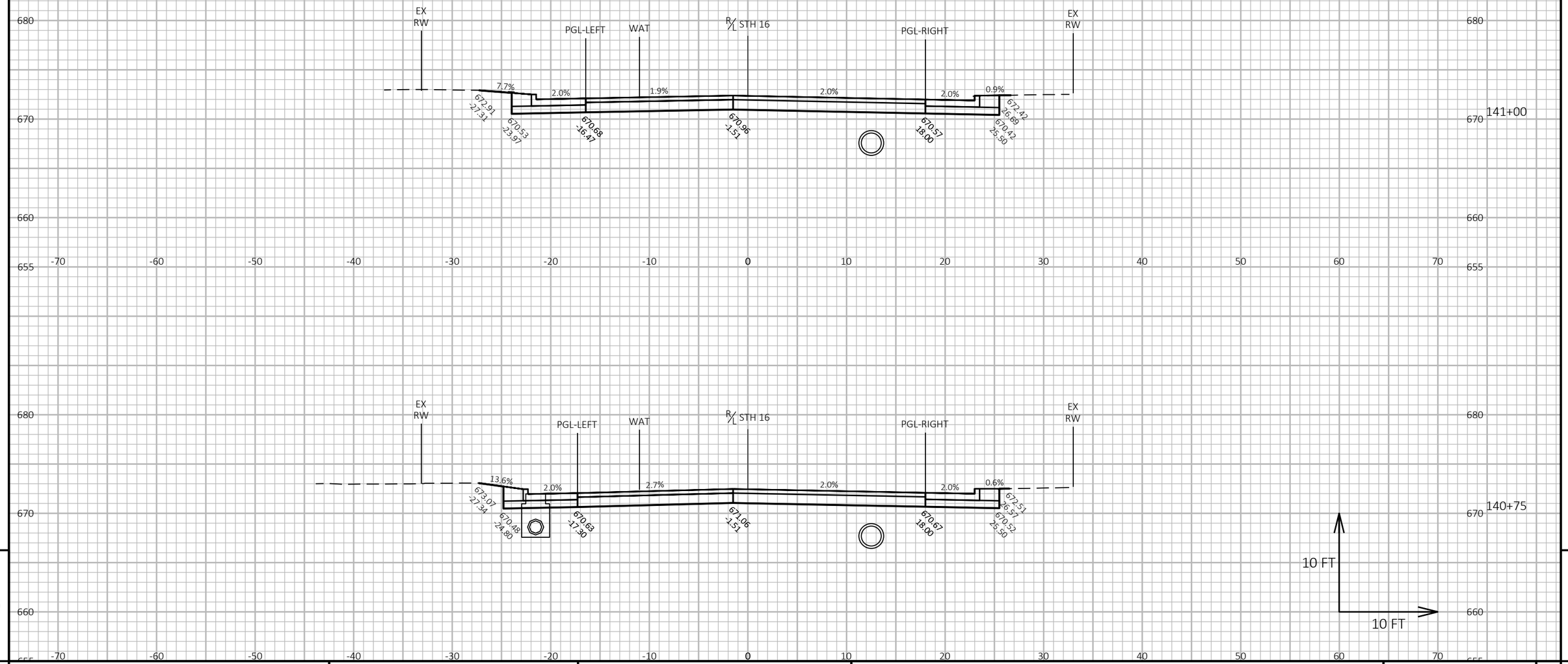
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 384	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 70

PLOT DATE : 10/18/2021 11:44 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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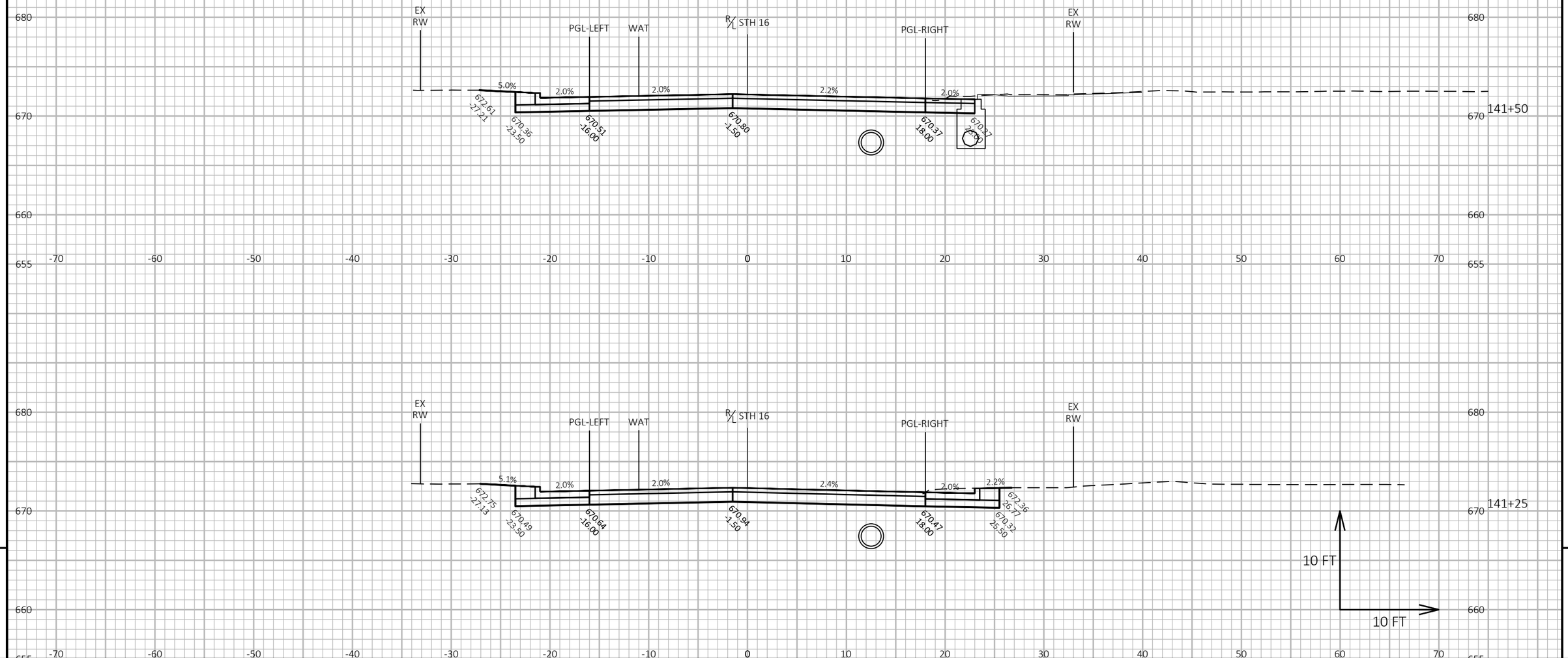
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FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 71

PLOT DATE : 10/18/2021 11:44 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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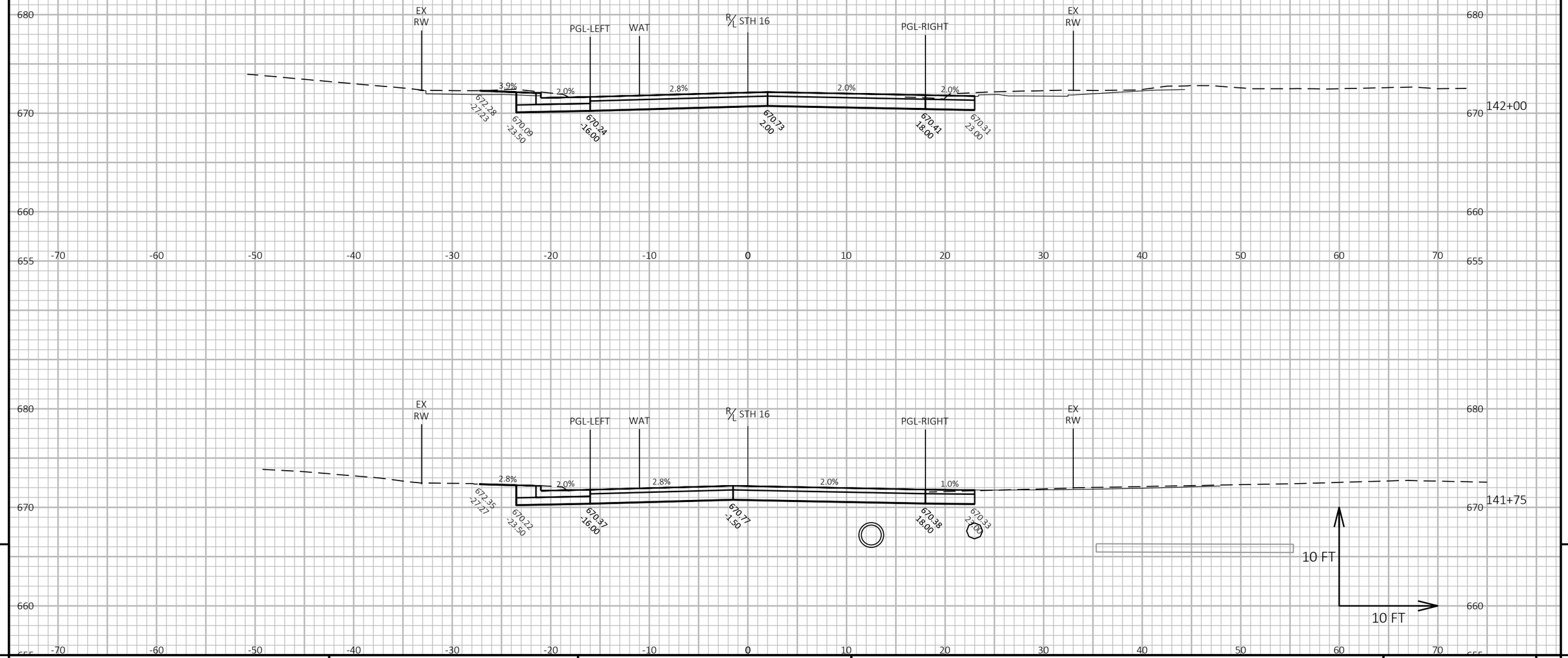
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 386	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 72

PLOT DATE : 10/18/2021 11:44 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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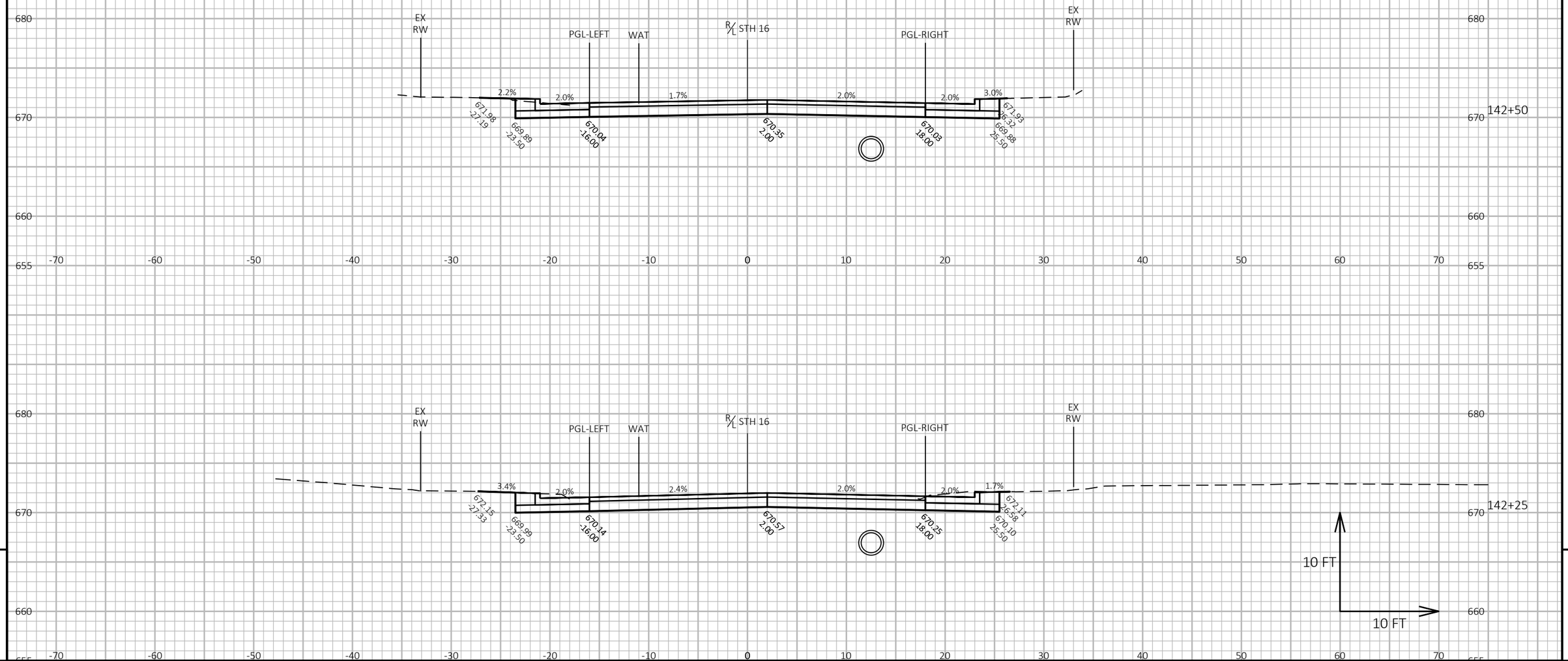
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PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 387	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 73

PLOT DATE : 10/18/2021 11:44 AM PLOT BY : WEIGAND, BEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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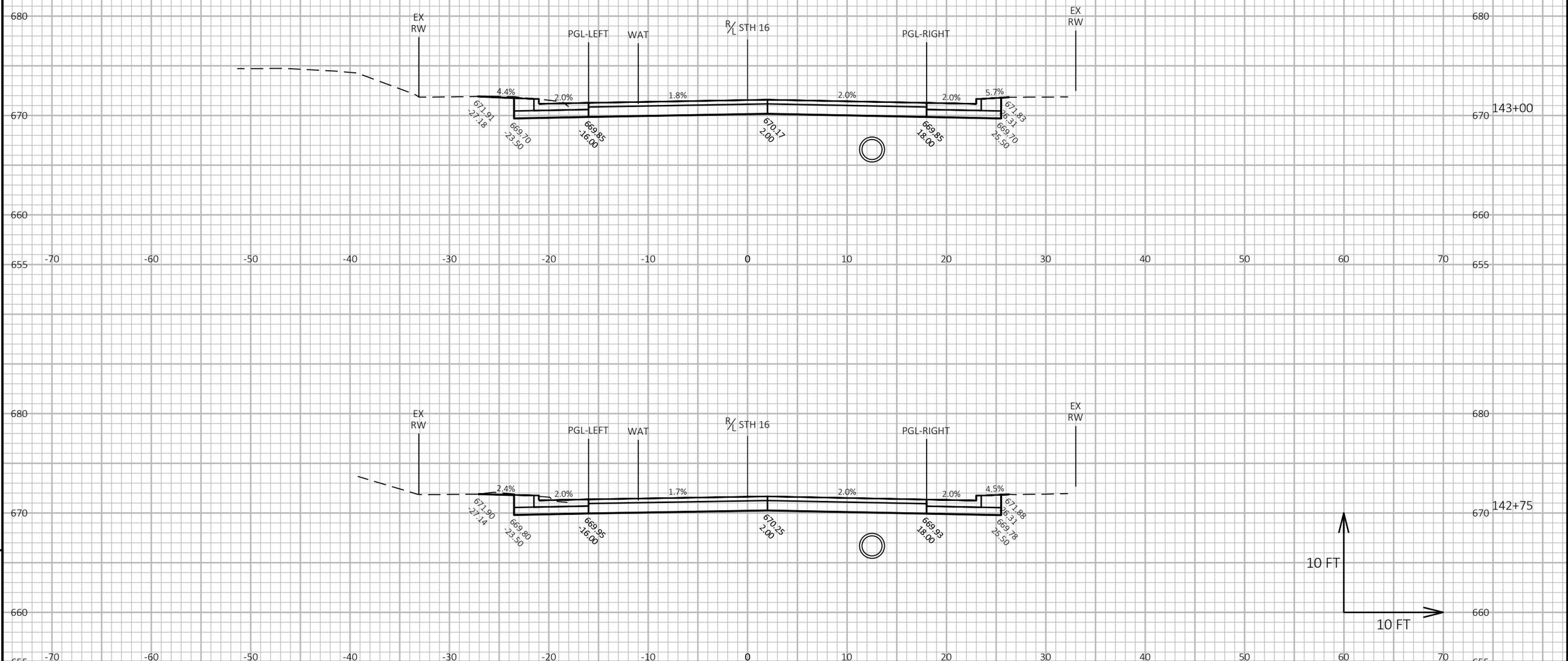
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 388	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 74

PLOT DATE : 10/18/2021 11:45 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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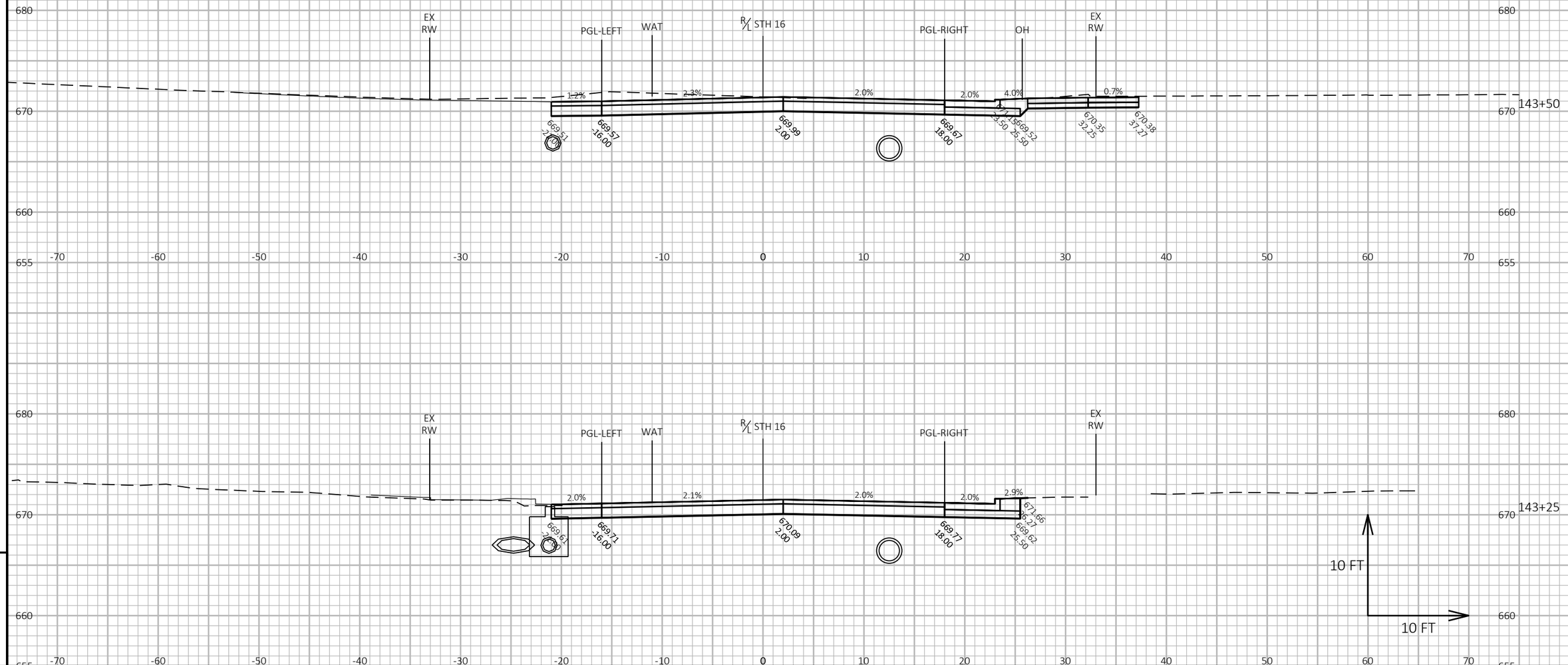
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 389	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 75

PLOT DATE : 10/18/2021 11:45 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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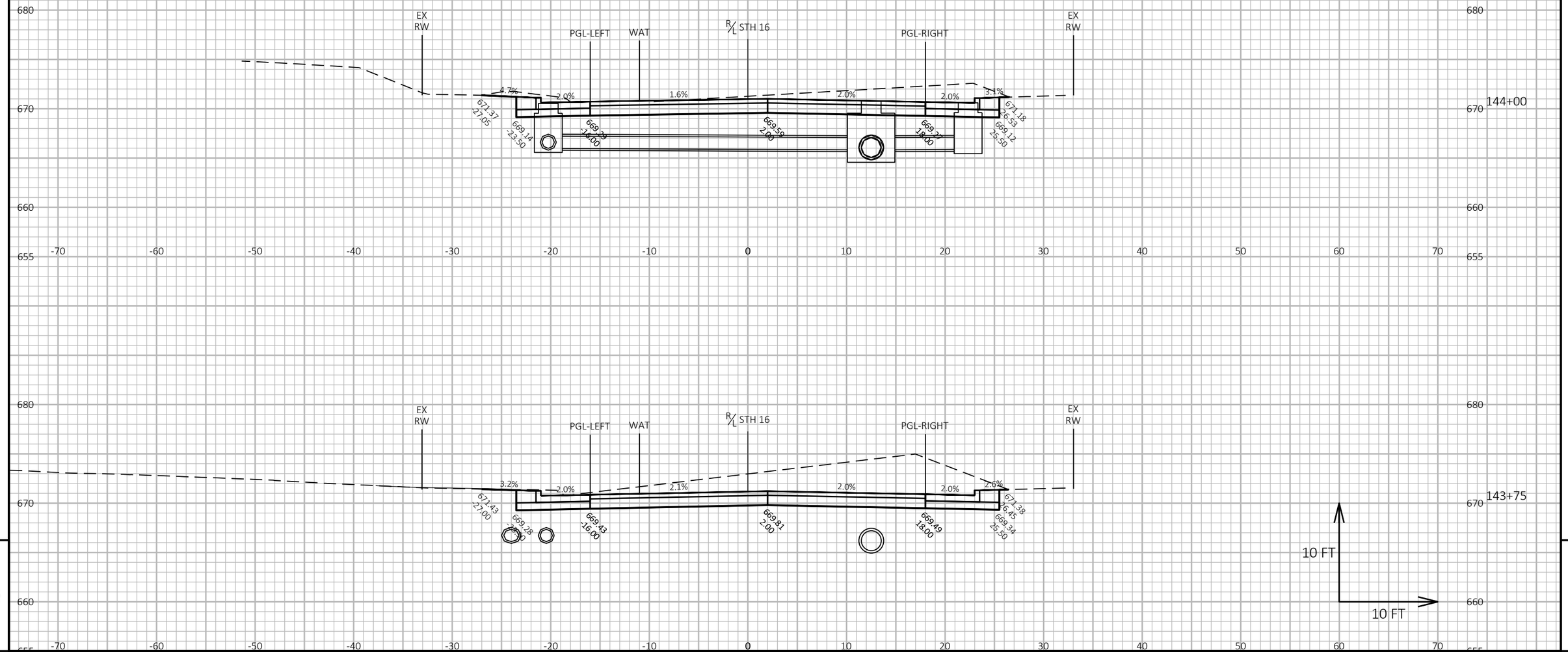
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 390	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 76

PLOT DATE : 10/18/2021 11:45 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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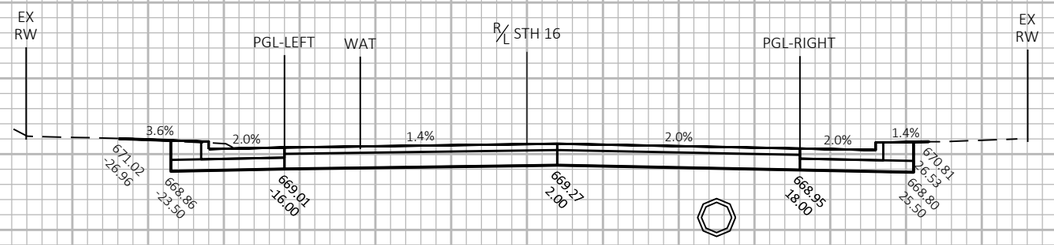
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 391	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 77

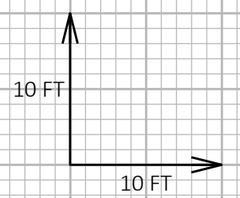
PLOT DATE : 10/18/2021 11:45 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







144+50

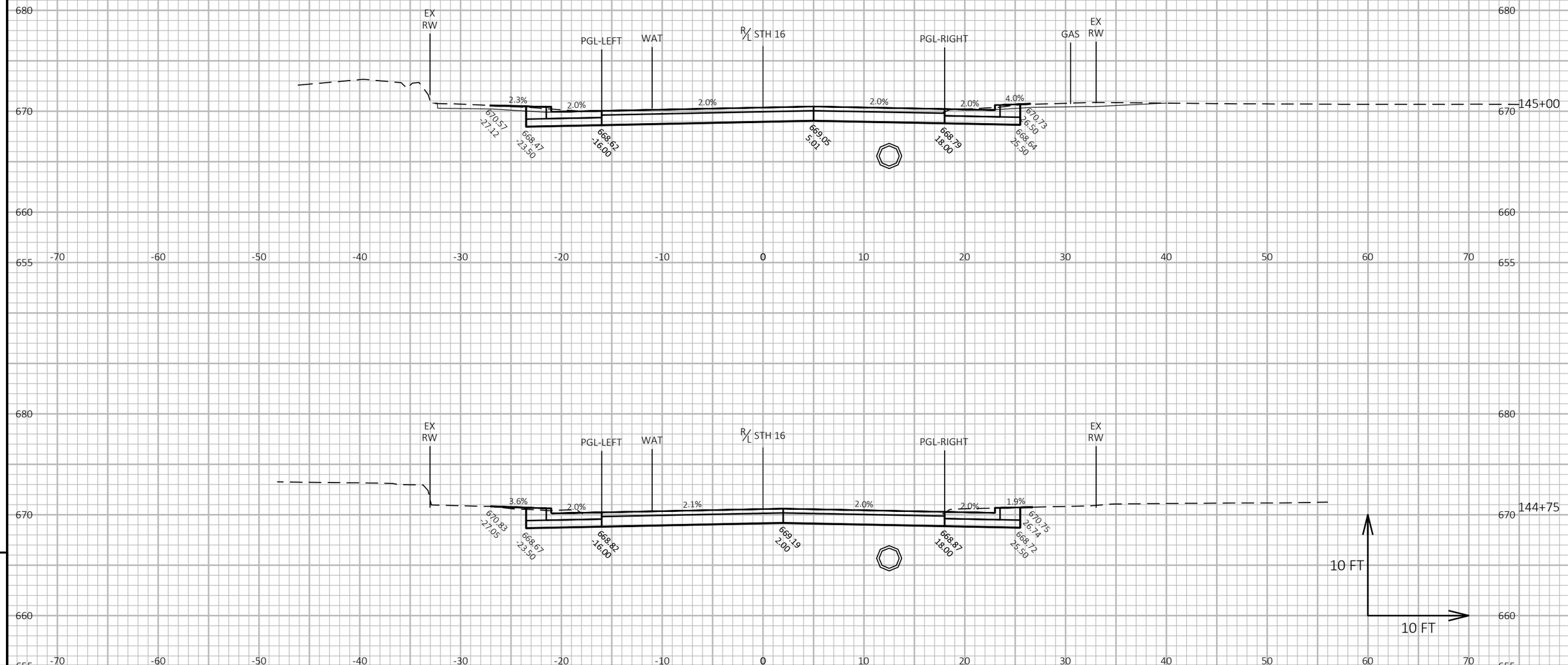
144+25

PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 392	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 78

PLOT DATE : 10/18/2021 11:45 AM PLOT BY : WEIGAND, BEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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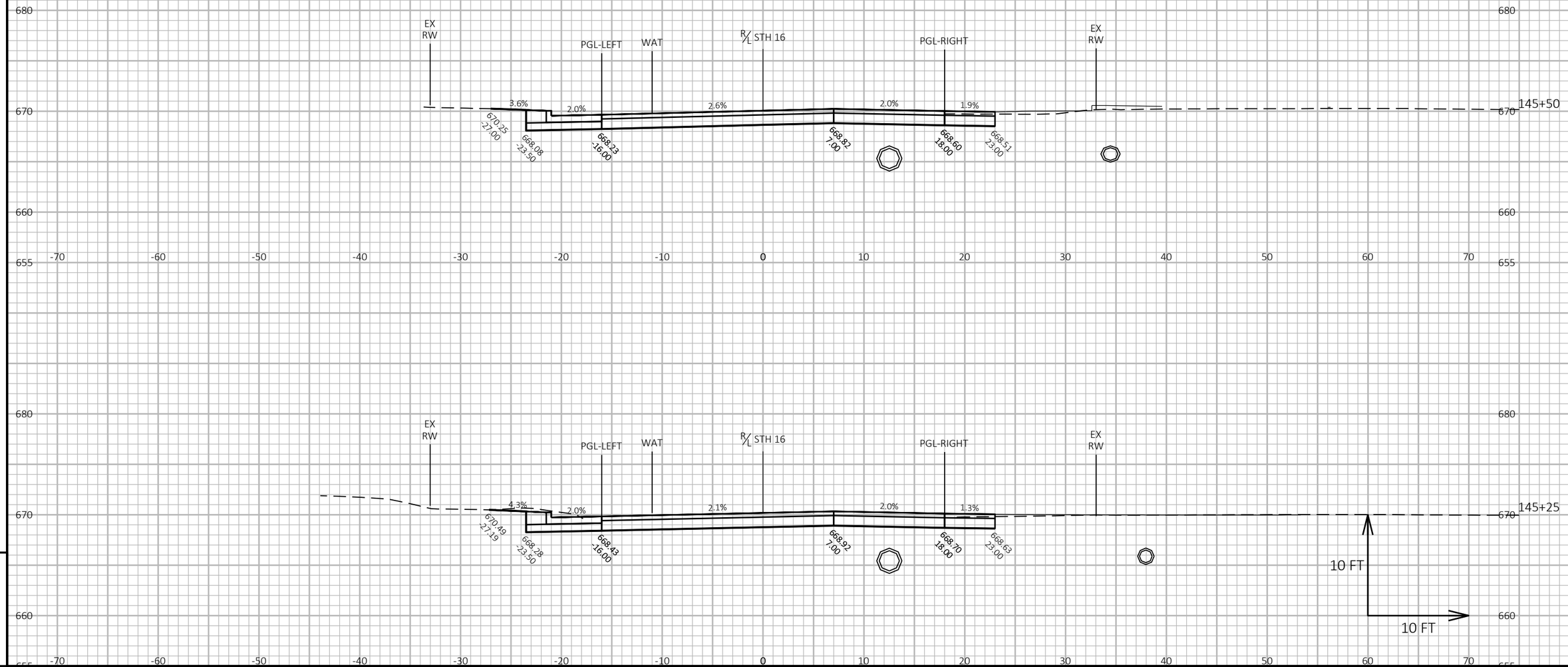
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 393	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 79

PLOT DATE : 10/18/2021 11:46 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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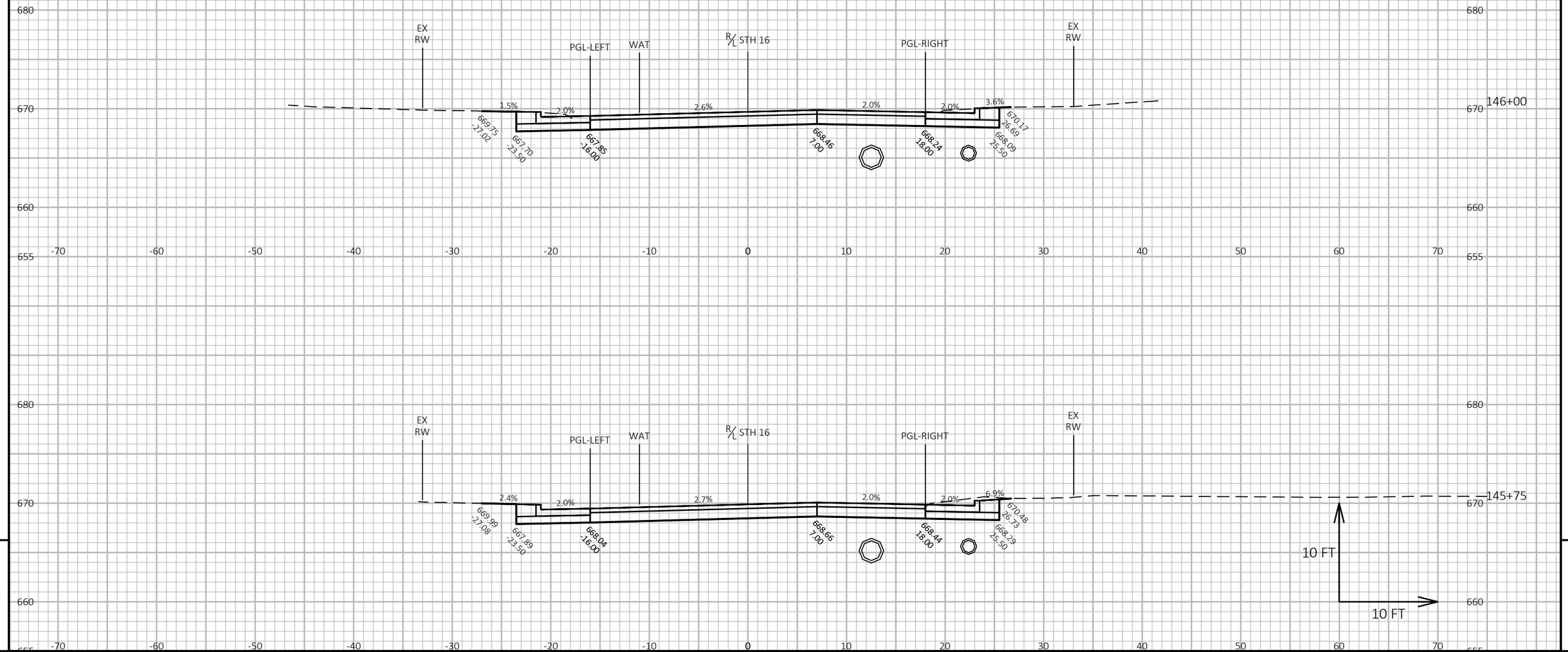
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FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 80

PLOT DATE : 10/18/2021 11:46 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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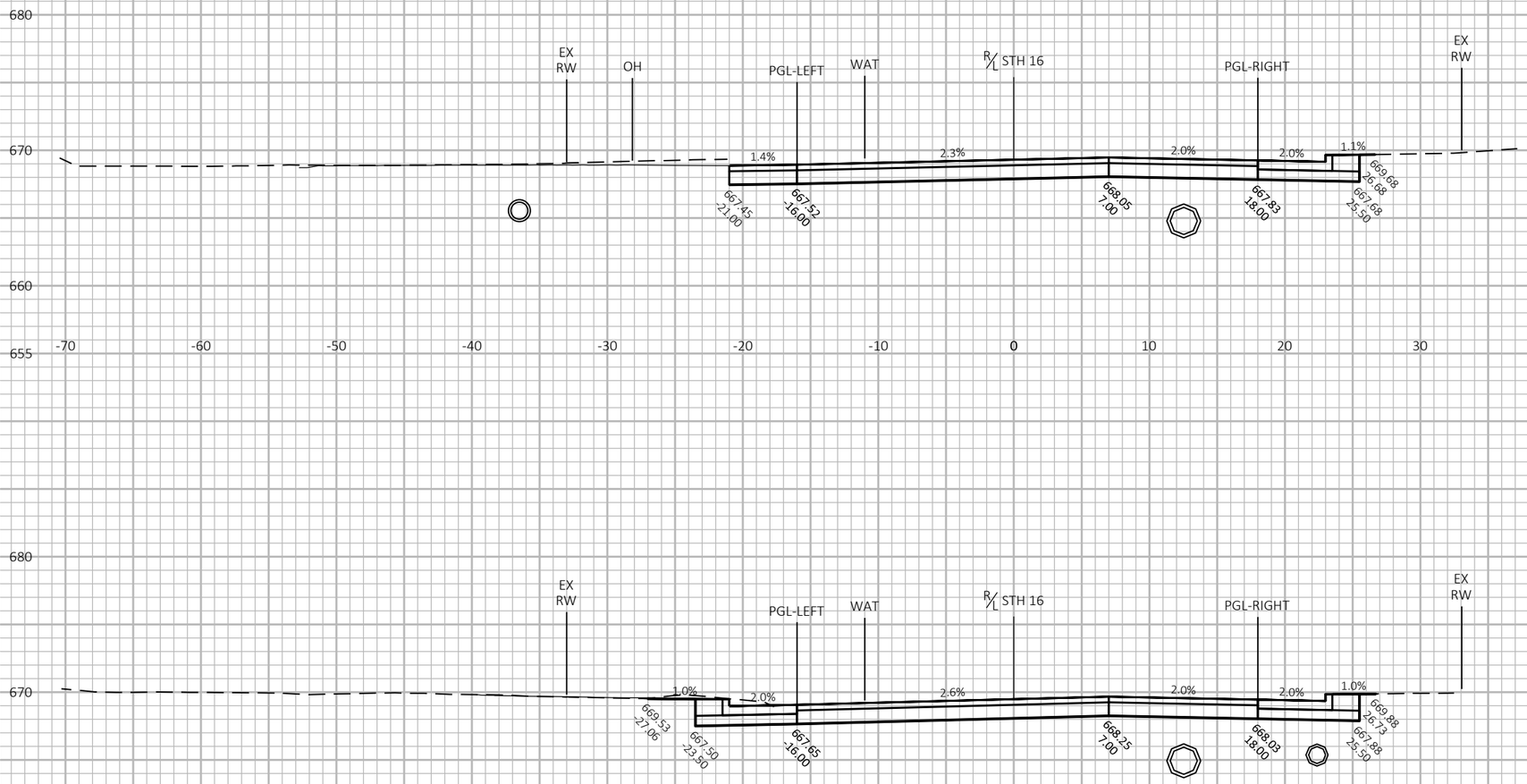
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 395	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 81

PLOT DATE : 10/18/2021 11:46 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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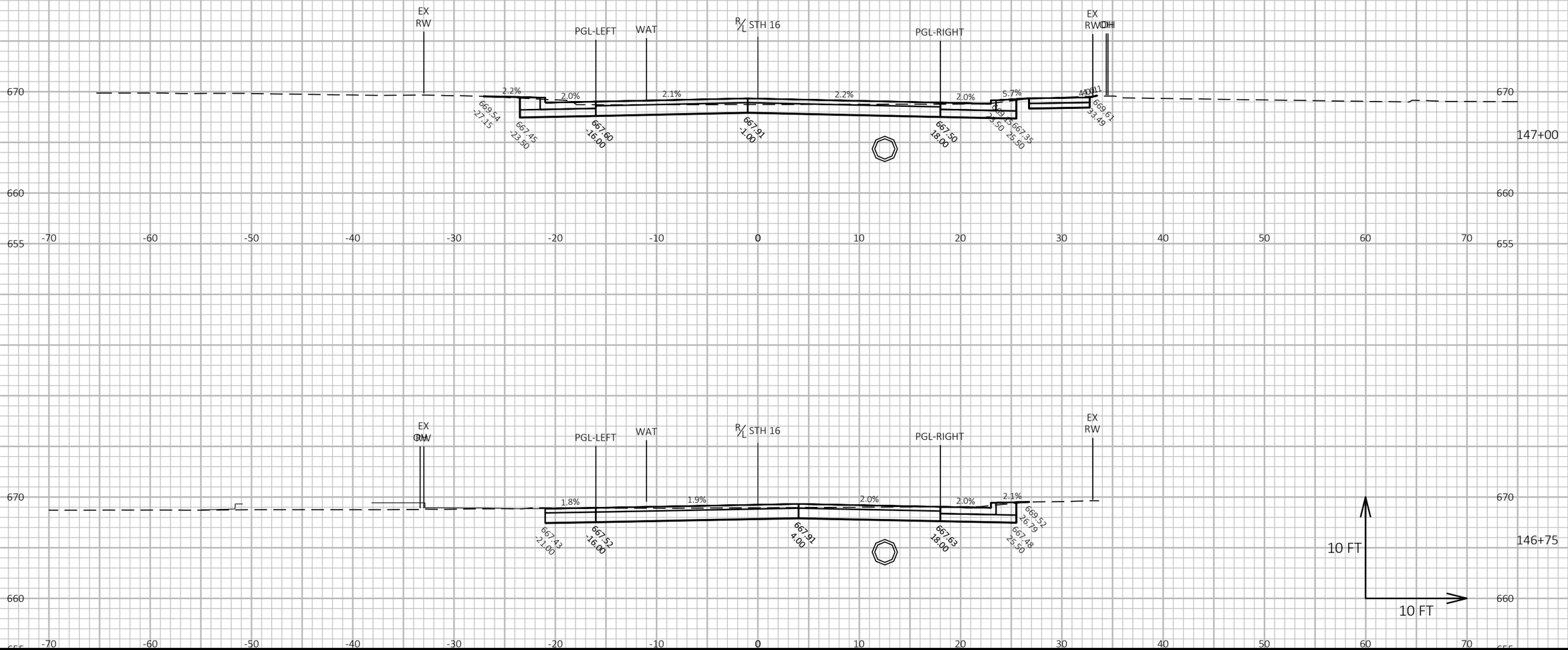
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 396	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 82

PLOT DATE : 10/18/2021 11:46 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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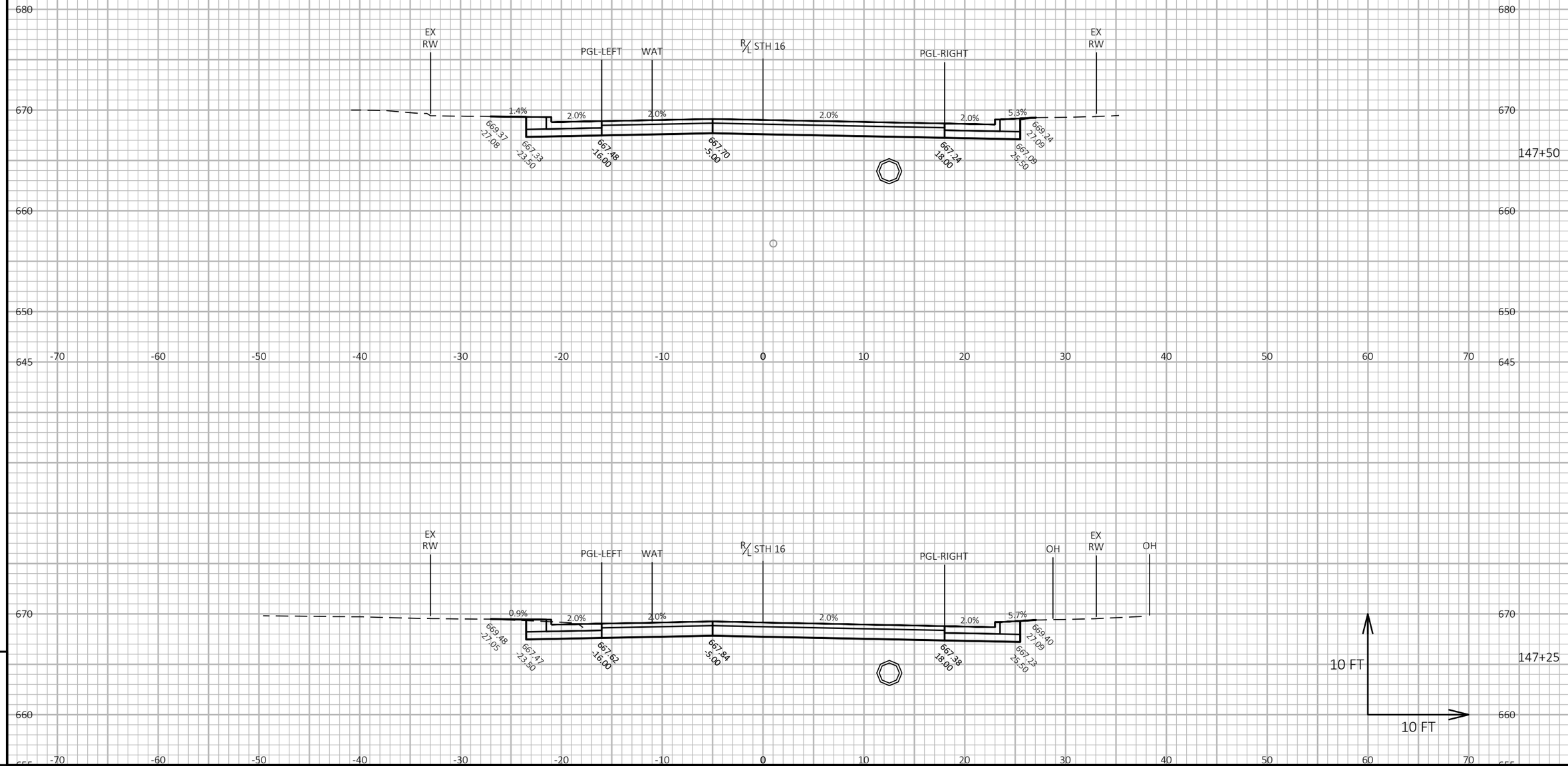
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 397	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 83

PLOT DATE : 10/18/2021 11:47 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



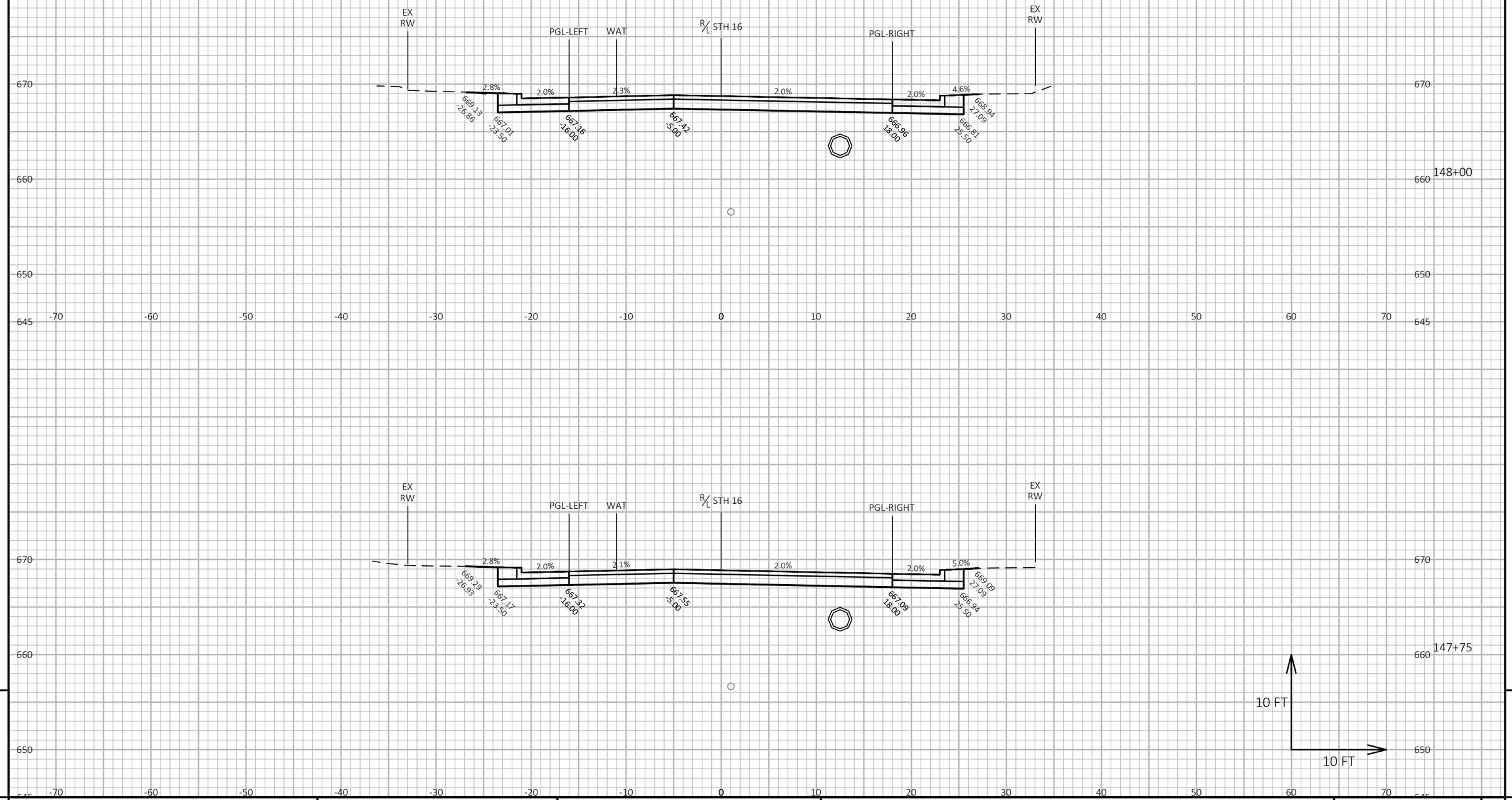
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 398	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 84

PLOT DATE : 10/18/2021 11:47 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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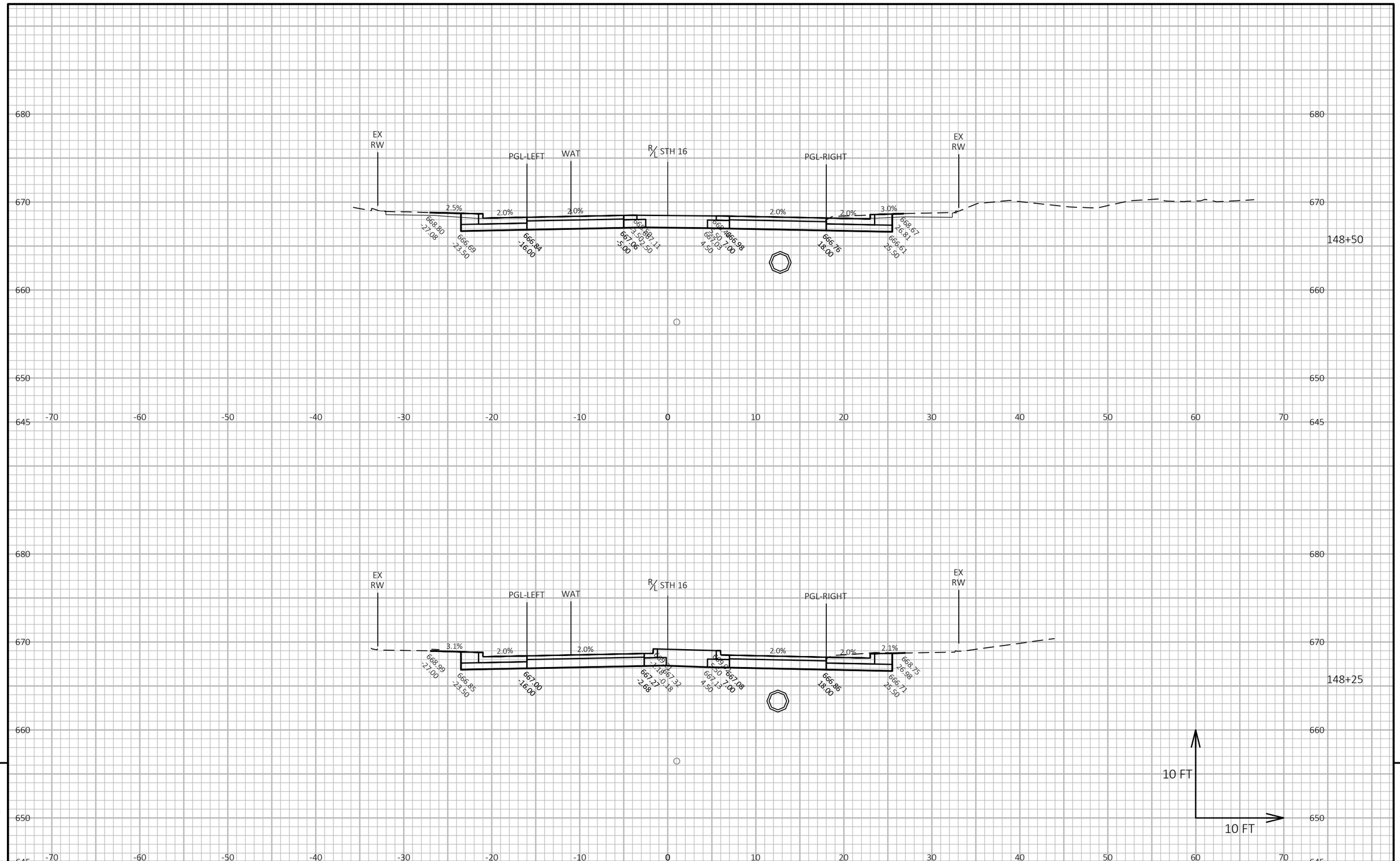
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 399	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 85

PLOT DATE : 10/18/2021 11:47 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

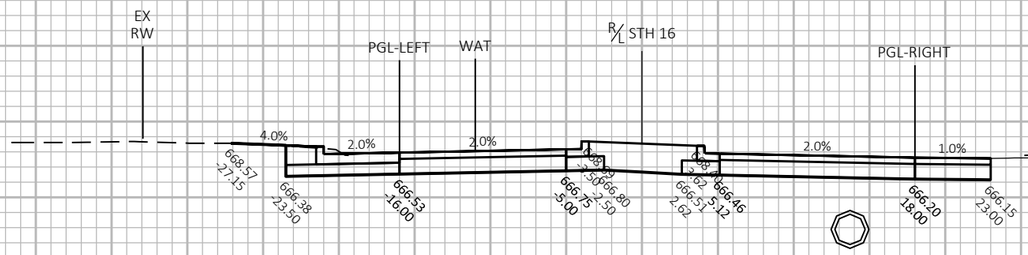


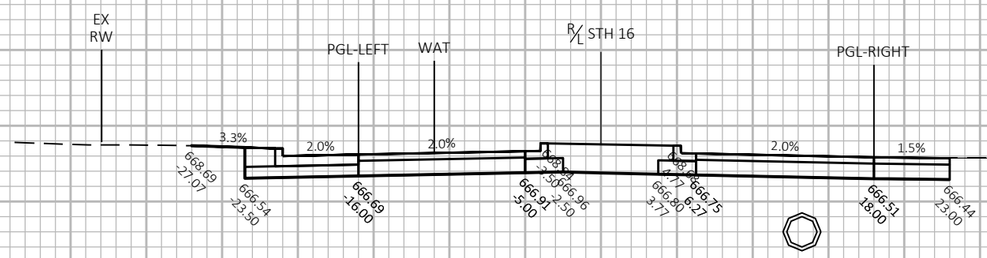
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 400 E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 86

PLOT DATE : 10/18/2021 11:47 AM PLOT BY : WEIGAND, BEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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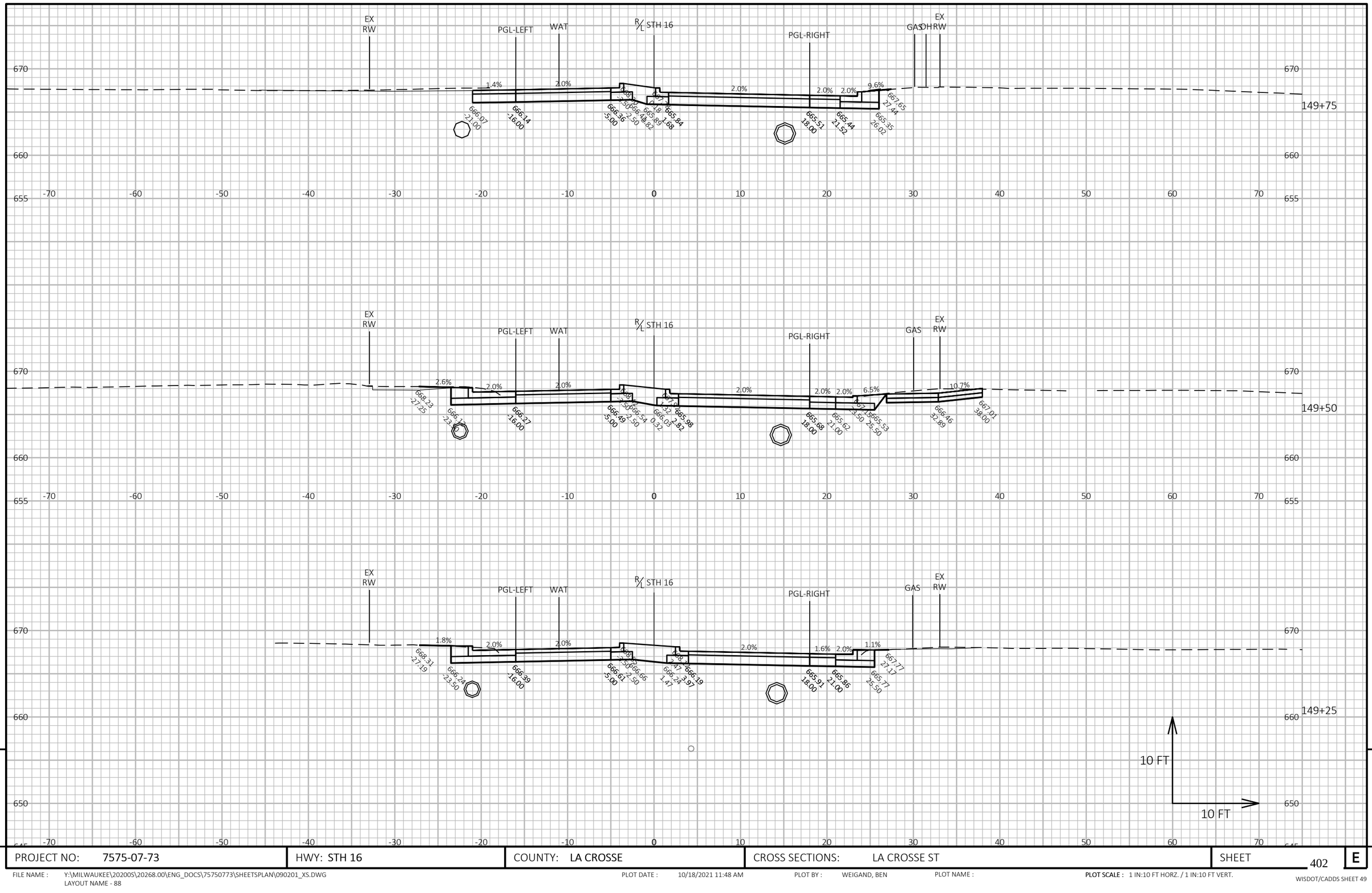
PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 401	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 87

PLOT DATE : 10/18/2021 11:47 AM PLOT BY : WEIGAND, BEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 7575-07-73	HWY: STH 16	COUNTY: LA CROSSE	CROSS SECTIONS: LA CROSSE ST	SHEET 402	E

FILE NAME : Y:\MILWAUKEE\20200S\20268.00\ENG_DOCS\75750773\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 88
PLOT DATE : 10/18/2021 11:48 AM
PLOT BY : WEIGAND, BEN
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov

LAX

APRIL 2022

PROJECT ID: 7575-07-83

WITH: 7575-07-70 & 7575-07-73

COUNTY: LA CROSSE

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.~~	~~8~~	~~Computer Earthwork Data~~
~~Section No.~~	~~9~~	~~Cross Sections~~

TOTAL SHEETS = 56

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
7575-07-83	———	—

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

C LA CROSSE, LA CROSSE STREET

OAKLAND ST TO LOSEY BLVD

STH 16

LA CROSSE COUNTY

WATER AND SANITARY

STATE PROJECT NUMBER
7575-07-83



17

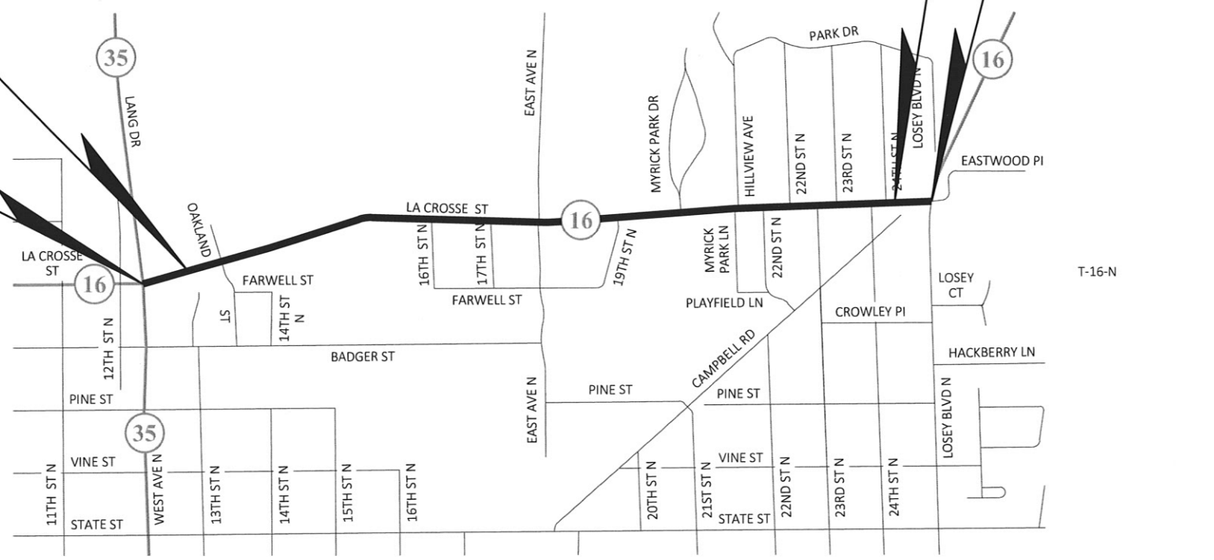


BEGIN PROJECT 7575-07-83
STA. 103+95.12
Y = 133,607.073
X = 448,862.003

BEGIN CONSTRUCTION
STA. 99+97.00

END PROJECT 7575-07-83
STA. 150+76.87

END CONSTRUCTION
153+03.80



T-16-N

R-7-W

DESIGN DESIGNATION

A.A.D.T.	2022	=	10,150
A.A.D.T.	2042	=	11,150
D.H.V.		=	11.7
D.D.		=	59/41
T.		=	9.1
DESIGN SPEED		=	30 MPH
ESALS		=	1,700,000

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
WOODED OR SHRUB AREA		UTILITY PEDESTAL	
		POWER POLE	
		TELEPHONE POLE	

LAYOUT

SCALE 0 1000 FT

TOTAL NET LENGTH OF CENTERLINE = 0.887 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), LA CROSSE 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 18.

ACCEPTED FOR

CITY OF LA CROSSE

Date 2021-10-12

(Signature and Title Of Official)

Interim Dir. Engr. & P.W.

ORIGINAL PLANS PREPARED BY

Mead & Hunt

WISCONSIN JAY P. BRATTON E-40778 LA CROSSE, WI PROFESSIONAL ENGINEER

DATE: 10/12/21

(Professional Engineer Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	CBS SQUARED INC
Designer	MEAD & HUNT
Project Manager	CRAIG FISHER
Regional Examiner	SW REGION
Regional Supervisor	REINY YAHNKE

APPROVED FOR THE DEPARTMENT

DATE: 10/13/2021

(Signature)

E

FILE NAME : X:\1203500\192601.01\TECH\CAD\75750773\SHEETSPLAN\010101_TI.DWG

PLOT DATE : 10/12/2021 10:53 AM

PLOT BY : JEFF BREU

PLOT NAME :

GENERAL NOTES

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

ALL ELEVATIONS AND OFFSETS SHOWN IN THE PLAN SHALL BE VERIFIED IN THE FIELD.

SEE 7575-07-73 PLANS FOR THE STAGING AND TRAFFIC CONTROL FOR THIS PROJECT.

A SAWED JOINT IS REQUIRED WHERE NEW PAVEMENT MEETS EXISTING PAVEMENT.

THE LOCATION 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.

THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO START OF WORK. ANY LOCAL MUNICIPALITY OR PUBLIC AGENCY WHICH IS NOT A MEMBER OF DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.

THE EXACT LOCATION OF THE EROSION CONTROL DEVICES SHALL BE DETERMINED IN THE FIELD. SILT FENCE IS TO BE PLACED AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER, AND IN PLACE PRIOR TO BRIDGE REMOVAL.

BEARINGS SHOWN ON THE PLANS ARE GROUND BEARINGS TO THE NEAREST SECOND.

ORDER OF SECTION 2 SHEETS

GENERAL NOTES
TYPICAL SECTIONS
CONSTRUCTION DETAILS
REMOVAL PLANS
PLAN DETAILS
JOINT DETAILS
STORM SEWER
PAVEMENT MARKING
ALIGNMENTS

STANDARD ABBREVIATIONS

ADT	AVERAGE DAILY TRAFFIC	M/L	MAINLINE
AGG	AGGREGATE	NO	NUMBER
ASPH	ASPHALTIC	PE	PRIVATE ENTRANCE
BM	BENCH MARK	PI	POINT OF INTERSECTION
BOC	BACK OF CURB	PL	PROPERTY LINE
C&G	CURB AND GUTTER	PP	POWER POLE
CE	COMMERCIAL ENTRANCE	QTY	QUANTITY
CL	CENTERLINE	RHF	RIGHT-HAND FORWARD
COR	CORNER	RT	RIGHT
CWT	HUNDREDWEIGHT	R/L	REFERENCE LINE
CY	CUBIC YARD	R/W	RIGHT-OF-WAY
DHV	DESIGN HOURLY VOLUME	SF	SQUARE FOOT
DWY	DRIVEWAY	SHLDR	SHOULDER
EL	ELEVATION	SS	STORM SEWER
EX	EXISTING	STA	STATION
EXC	EXCAVATION	SY	SQUARE YARD
FT	FOOT	T	TRUCKS (PERCENT OF)
FTG	FOOTING	TEL	TELEPHONE
HYD	HYDRANT	TLE	TEMPORARY LIMITED EASEMENT
INV	INVERT	TYP	TYPICAL
LB	POUND	UG	UNDERGROUND CABLE
LF	LINEAR FOOT	VAR	VARIABLE
LHF	LEFT-HAND FORWARD	VC	VERTICAL CURVE
LS	LUMP SUM	VPC	VERTICAL POINT OF CURVE
LT	LEFT	VPI	VERTICAL POINT OF INTERSECTION
Mgal	MEGAGALLON	VPT	VERTICAL POINT OF TANGENCY

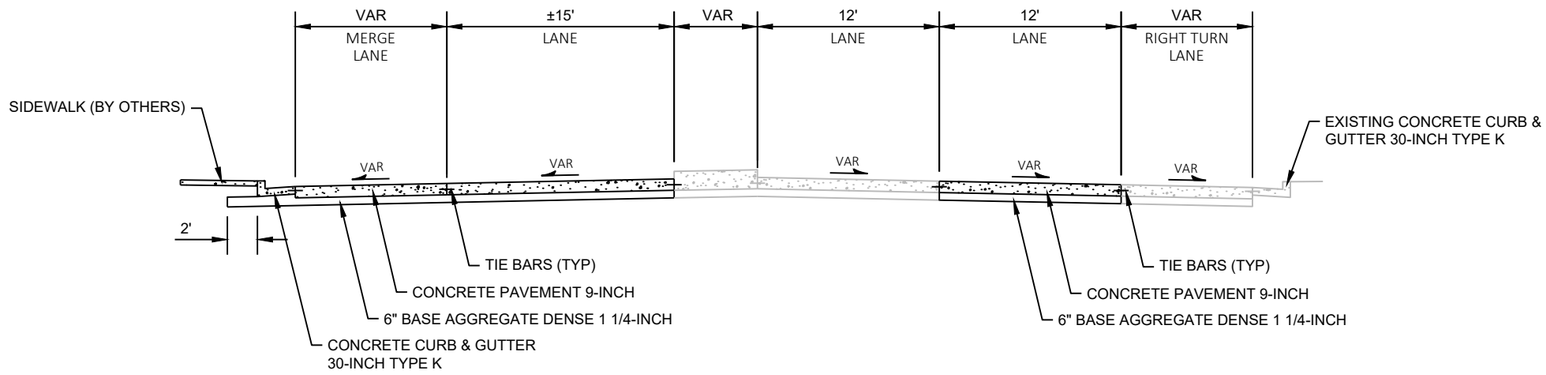
UTILITY CONTACTS

SEE 7575-07-73 PLANS FOR UTILITY AND OTHER AGENCIES CONTACTS

CONSULTANT CONTACT
MEAD & HUNT, INC.
750 NORTH THIRD STREET
LA CROSSE, WI 54601
ATTN: MR. JAY P. WHEATON, P.E.
PHONE: (608) 784-6040
MOBILE: (608) 386-0212
EMAIL: JAY.WHEATON@MEADHUNT.COM

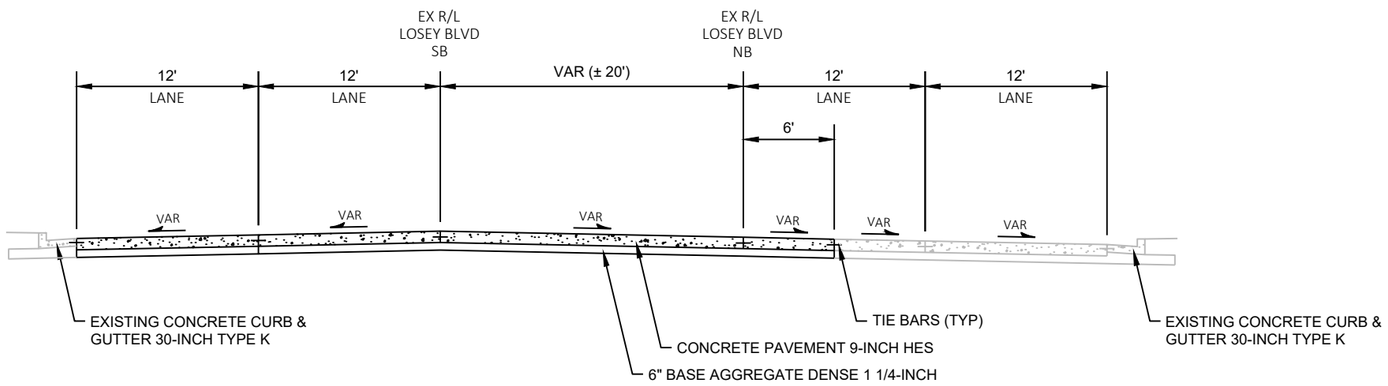
DIGGERS HOTLINE
Dial 811 or (800)242-8511
www.DiggersHotline.com

2



PROPOSED TYPICAL SECTION LA CROSSE ST

STA 151+60.0 TO STA 152+52.9

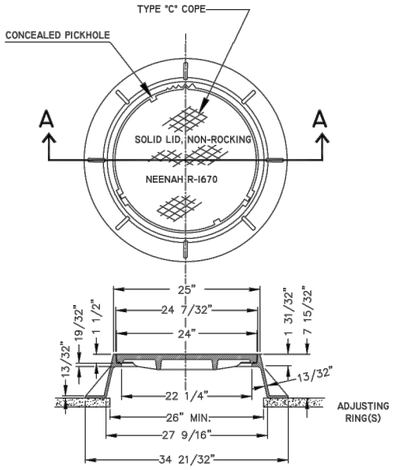


PROPOSED TYPICAL SECTION LOSEY BLVD

STA 100'SB'+26.2 TO STA 101'SB'+38.5

2

DRAWING NOT TO SCALE

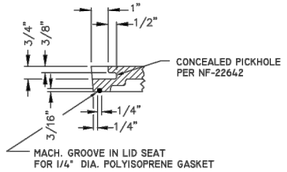


A — A

DETAIL OF MANHOLE FRAME & COVER

(MINIMUM WEIGHT 324 LBS. TOTAL)
NEENAH R-1670 OR EQUAL

B / D-6



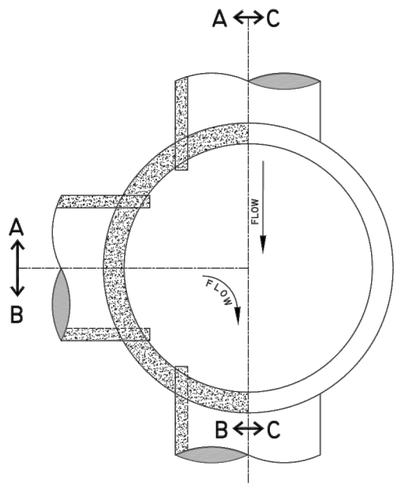
SELF-SEAL DETAIL

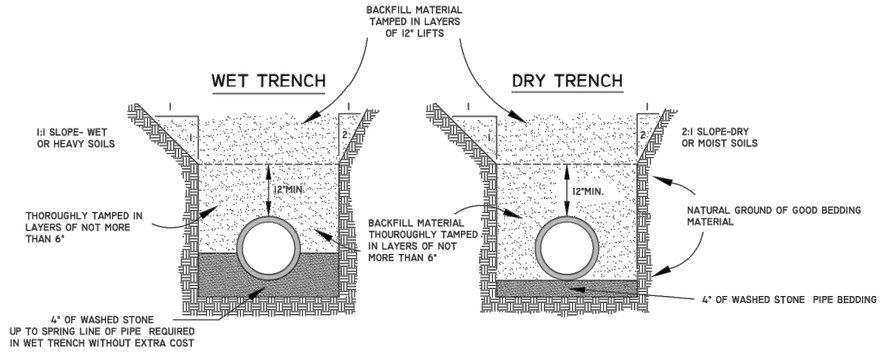
NOTE

OPENING FOR FRAME & COVER SHALL BE CENTERED ON MANHOLES WITH FLAT TOPS.

SEWER PIPE JOINT MATERIALS

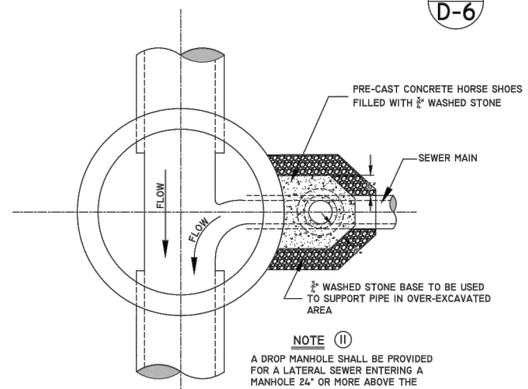
CONCRETE PIPE-RUBBER GASKET (ASTM C-443)
PVC PIPE- ELASTOMETRIC GASKET (ASTM D-3212 & F-477)





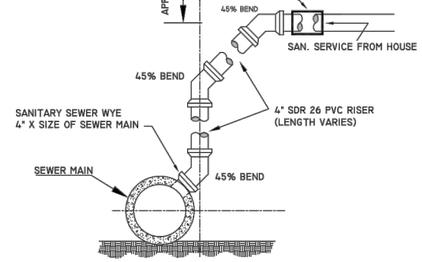
DETAILS OF SEWER TRENCHES

A / D-6



NOTE (11)

A DROP MANHOLE SHALL BE PROVIDED FOR A LATERAL SEWER ENTERING A MANHOLE 24" OR MORE ABOVE THE MANHOLE INVERT.



DETAILS OF RISER FOR HOUSE CONNECTION

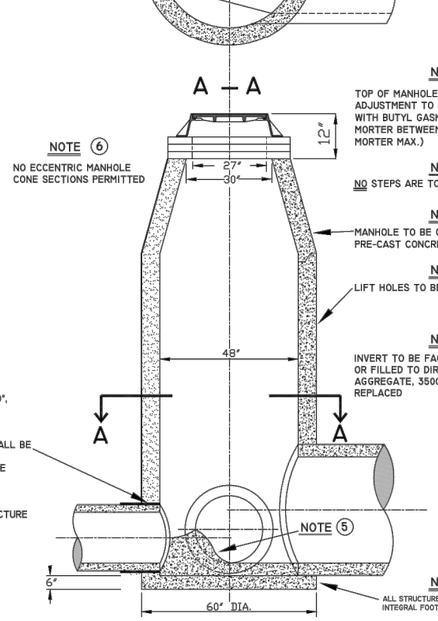
F / D-6

NOTE (12)

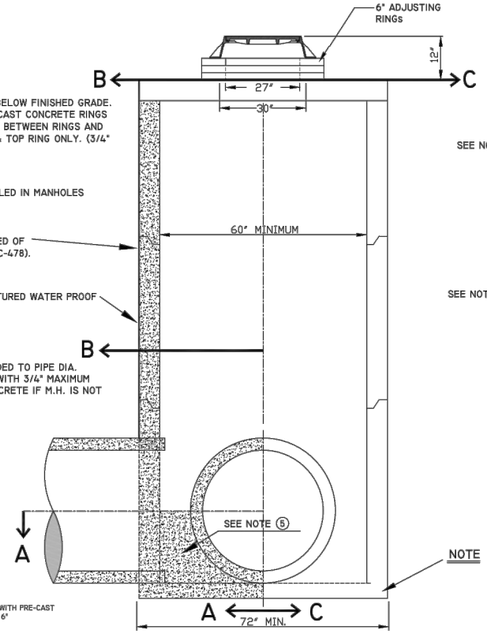
THE CONNECTION OF ALL PVC SANITARY SEWER PIPE, SIZE 6" TO 30", TO PRECAST MANHOLES OR OTHER STRUCTURES SHALL EMPLOY A WATERTIGHT, FLEXABLE PIPE-TO-MANHOLE CONNECTOR

THE CONNECTOR SHALL CONSIST OF A SINGLE RUBBER GASKET, SHALL BE CONSTRUCTED SOLELY OF SYNTHETIC OR NATURAL RUBBER, SHALL MEET/EXCEED THE REQUIREMENTS OF ASTM C 923, AND SHALL HAVE A MINIMUM TENSILE STREGHTH OF 1600 PSI

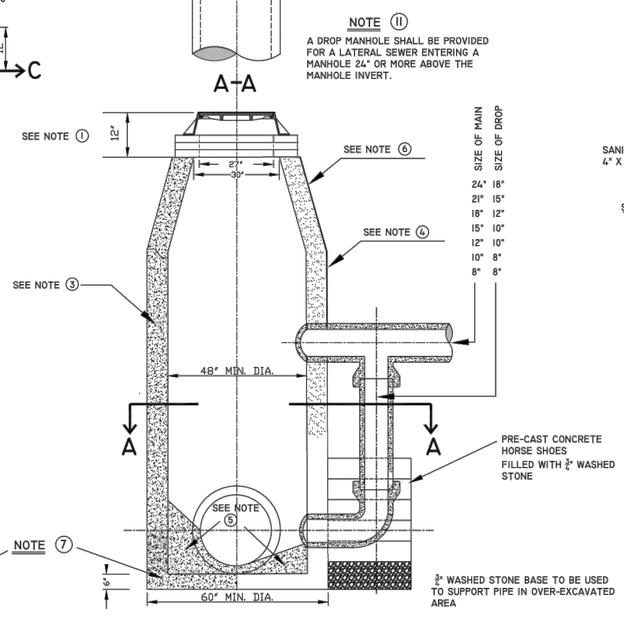
THE CONNECTOR SHALL BE THE SOLE ELEMENT RELIED ON TO ASSURE A FLEXIBLE, WATERTIGHT SEAL OF THE PIPE TO THE STRUCTURE



C / D-6 *DETAILS OF STANDARD MANHOLE FOR 30" PIPE OR SMALLER*



D / D-6 *DETAILS OF STANDARD MANHOLE FOR 36" PIPE OR LARGER*



E / D-6 *DETAILS OF DROP MANHOLE FOR 30" PIPE OR SMALLER*

PROJECT No.

LOCATION

RESOLUTION

DATE

SANITARY SEWER DETAILS

D-6

ENGINEERING DEPT.
City of LaCrosse, Wis.

FIELD BOOK				BY	DATE
	SURVEYED				
	DRAWN	PRELIMINARY			
NUMBER		FINAL			
	CHECKED				
	APPROVED				
PAGE	REVISIONS	M.D.F.	3/03	J.M.C.	6/2015
		J.M.C.	9/03	BFM	2/2019
		M.D.F.	4/06	J.M.C.	8/2019
SCALE: NONE		M.D.F.	12/10	BFM	11/2019
SHEET NO.		M.D.F.	4/13	TOTAL SHEETS	

PROJECT NO: 7575-07-83	HWY: STH 16	COUNTY: LA CROSSE	CONSTRUCTION DETAILS	SHEET 4	E

FILE NAME : X:\1203500\192601.01\TECH\CAD\75750773\SHEETSPLAN\021001_CD.DWG
LAYOUT NAME - 01
PLOT DATE : 10/24/2021 2:09 PM
PLOT BY : JEFF BREU
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

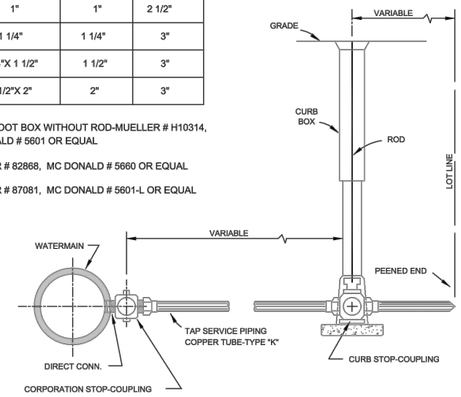
DETAIL OF SERVICE SHUT-OFF

SERVICE PIPE	CORP. STOP	CURB STOP	SERVICE BOX
1"	1"	1"	2 1/2"
1 1/4"	1 1/4"	1 1/4"	3"
1 1/2"	1 1/4"X 1 1/2"	1 1/2"	3"
2"	1 1/2"X 2"	2"	3"

CURB BOX : SEVEN FOOT BOX WITHOUT ROD-MUELLER # H10314, MC DONALD # 5601 OR EQUAL

54" or 57" ROD : MUELLER # 82868, MC DONALD # 5660 OR EQUAL

LID : MUELLER # 87081, MC DONALD # 5601-L OR EQUAL



NOTE:
SERVICES SMALLER THAN 1" ARE TO BE TAPPED 45° TO VERTICAL ON WATERMAIN

PROJECT No.

LOCATION *WATERMAIN DETAILS*

RESOLUTION DATE

ENGINEERING DEPT.
City of La Crosse, WI.

		BY	DATE
FIELD BOOK	SURVEYED		
NUMBER	DRAWN PRELIMINARY / FINAL		
	CHECKED		
PAGE	APPROVED		
	REVISIONS		01/2021

SHEET NO. D-3 TOTAL SHEETS

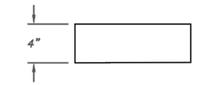
PROJECT NO: 7575-07-83	HWY: STH 16	COUNTY: LA CROSSE	CONSTRUCTION DETAILS	SHEET 5	E

FILE NAME : X:\1203500\192601.01\TECH\CAD\75750773\SHEETSPLAN\021001_CD.DWG
LAYOUT NAME - 02

PLOT DATE : 10/24/2021 2:09 PM PLOT BY : JEFF BREU PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



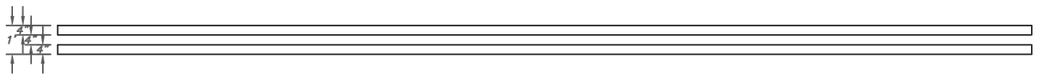
A D-9-3 4 INCH LINE
SCALE: 1" = 1'
NOTES: TYPICAL LINE WIDTH UNLESS SPECIFIED OTHERWISE



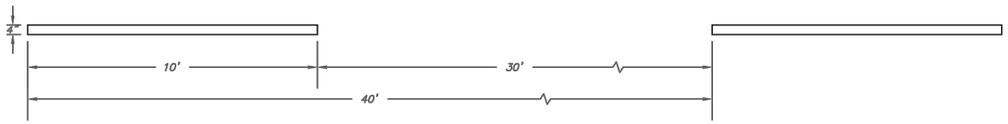
B D-9-3 8 INCH LINE
SCALE: 1" = 1'
NOTES: USED FOR BARRIER LINES



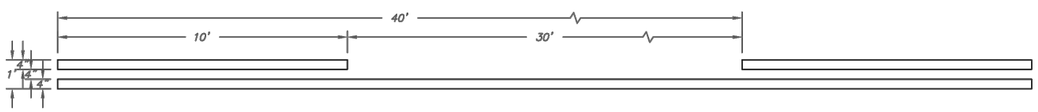
C D-9-3 12 INCH LINE
SCALE: 1" = 1'
NOTES: USED FOR CROSSWALK LINES & STOP BARS



J D-9-3 TYP. DOUBLE LINE
NOT TO SCALE



K D-9-3 TYP. SKIP DASH
NOT TO SCALE

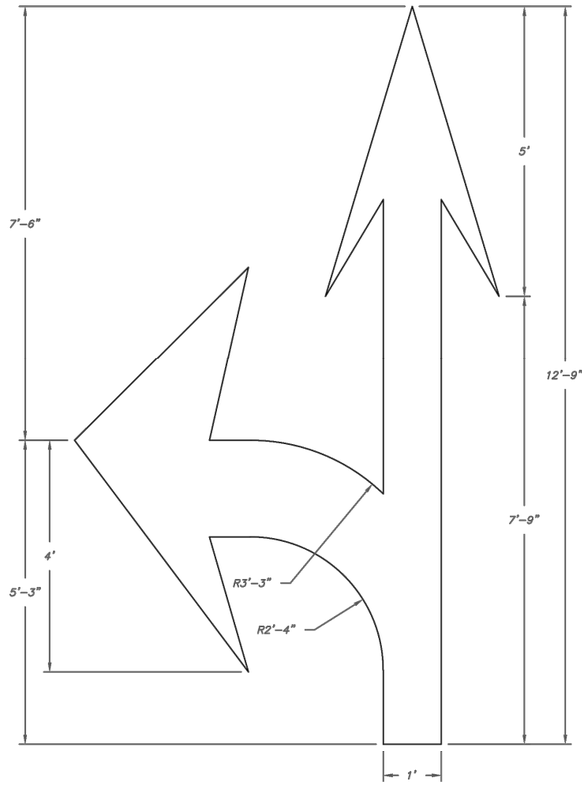


L D-9-3 TYP. TWITAL LINE
NOT TO SCALE

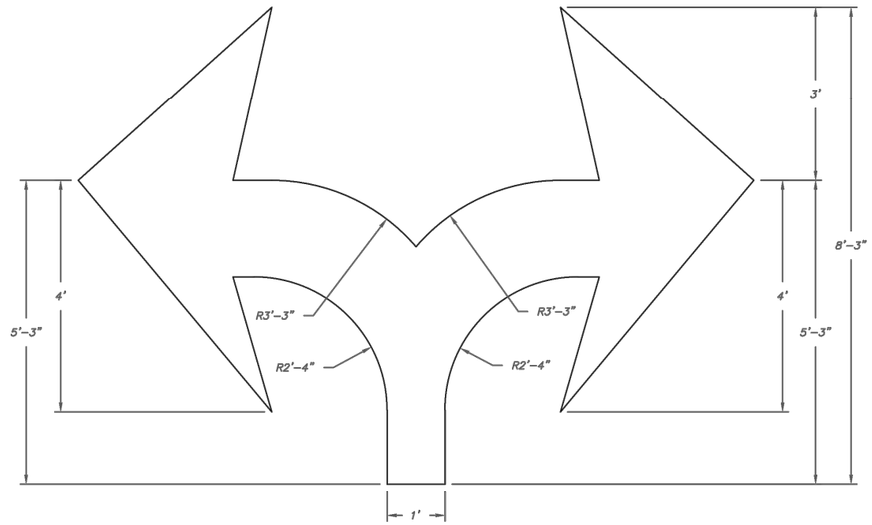
*THESE DETAILS SUPERSEDE THE STANDARD DETAIL DRAWING WHERE CONFLICTS EXIST

PROJECT NO: 7575-07-83	HWY: STH 16	COUNTY: LA CROSSE	CONSTRUCTION DETAILS	SHEET 6	E

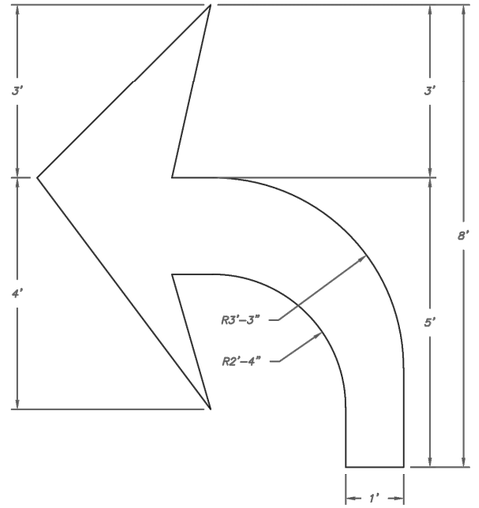
2



M D-9-3 TYP. STRAIGHT & TRUN ARROW
SCALE: 1" = 2'

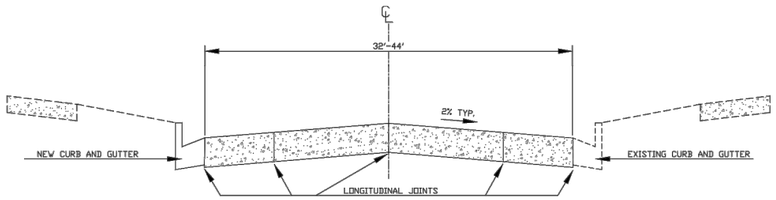


N D-9-3 TYP. DOUBLE TURN ARROW
SCALE: 1" = 2'

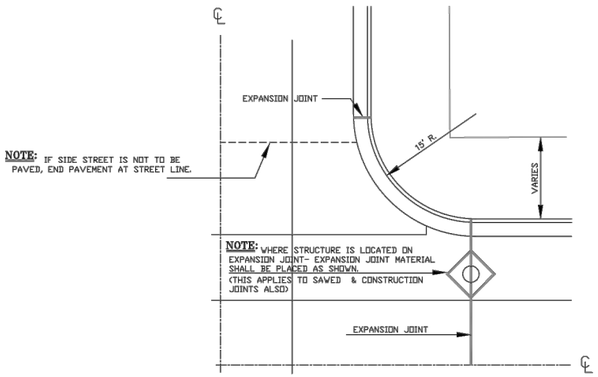


P D-9-3 TYP. TURN ARROW
SCALE: 1" = 2'

*THESE DETAILS SUPERSEDE THE STANDARD DETAIL DRAWING WHERE CONFLICTS EXIST



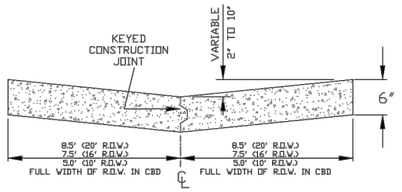
TYPICAL CROSS SECTION FOR 36' ROADWAY



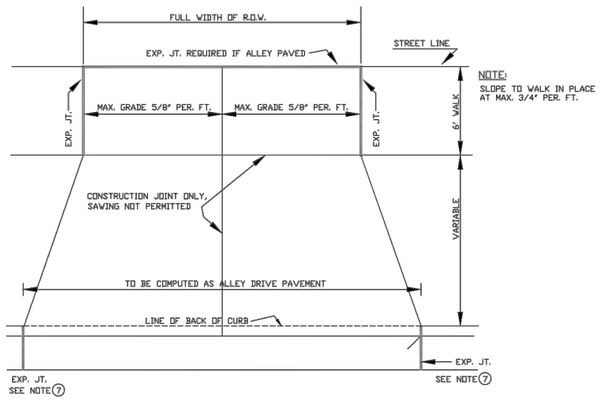
1/4 TYPICAL INTERSECTION

NOTES-JOINTS

1. EXPANSION JOINTS SHALL BE PLACED AT THE END OF RADII AT STREET INTERSECTIONS AND MID-BLOCK BETWEEN INTERSECTIONS. IN NO CASE SHALL THE DISTANCE BETWEEN EXPANSION JOINTS EXCEED 160 FEET.
2. THE DISTANCE BETWEEN TRAVERSE JOINTS SHALL NOT BE LESS THAN 10 FEET AND SHALL BE TYPICALLY 20 FEET APART.
3. LONGITUDINAL CONSTRUCTION JOINTS BETWEEN CURB AND GUTTER SECTION AND CONC. PAVING SECTION SHALL BE SEALED AS SHOWN ON JOINT DETAILS.

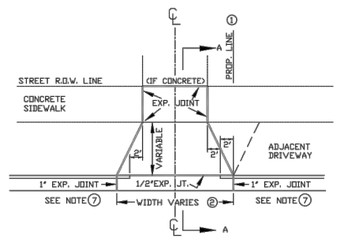


TYPICAL SECTION OF ALLEY PAVEMENT

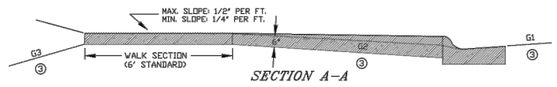


STANDARD ALLEY DRIVEWAY 7" THICK

DRAWINGS NOT TO SCALE



PLAN VIEW

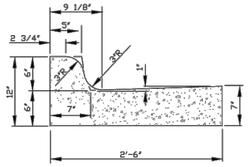


SECTION A-A

① DRIVE SECTION SHALL NOT OVERLAP PROPERTY LINE EXTENDED, EXCEPT WHERE PERMITTED BY THE ENGINEER, OR WHEN A JOINT DRIVEWAY AGREEMENT IS EXECUTED BY OWNERS OF ADJACENT PROPERTIES.
② MAX. DRIVEWAY WIDTH AT THE CURB AND SIDEWALK IS SET FORTH IN CITY ORDINANCE 5.03.
③ THE BREAKOVER ANGLE (CAUSE OF CARS BOTTOMING) BECOMES CRITICAL WHEN THE ALGEBRAIC DIFFERENCE OF GRADES (G1, G2, & G3) EXCEEDS 11%.
④ A REINFORCED DRIVE SECTION IS **REQUIRED FOR CURB & GUTTER IN AREAS ZONED INDUSTRIAL OR COMMERCIAL.**
⑤ BACK OF CURB TO FRONT OF CONC. SIDEWALK MUST BE CONCRETE, BRICK OR ASPHALTIC BITUMINOUS.
⑥ **MECHANICAL COMPACTION** OF SUBSOIL IN LAYERS LESS THAN 12" TO ACHIEVE MINIMUM COMPACTION OF 95% OF MAXIMUM DENSITY FROM MODIFIED PROCTOR **IS REQUIRED.** (INCLUDING STREET SIDE AFTER FORMS ARE REMOVED)
⑦ EXPANSION JOINT IS REQUIRED AT BOTH ENDS OF DRIVEWAY WHEN ONLY DRIVEWAY IS INSTALLED OR REPLACED. WHEN ENTIRE BLOCK OF CURB & GUTTER IS INSTALLED THE EXPANSION JOINT AT DRIVEWAY ENDS MAY BE OMITTED.

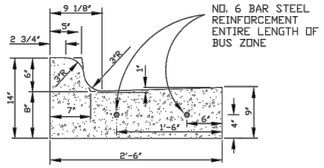
NOTE: TURNING OF 2' DIAMETER DRIVEWAY RETURNS IN LIEU OF DIMINISHING HEAD AS SHOWN IS PERMITTED IF DESIRED BY PROPERTY OWNER. INSTALLATION OF A DRIVEWAY BY REMOVING EXISTING CURB HEAD ONLY IS NOT ALLOWED. ENTIRE EXISTING C&G MUST BE REMOVED FOR NEW DRIVEWAYS. REMOVAL OF A MINIMUM 12" WIDTH OF BITUMINOUS TO INSTALL FRONT FORMS IS REQUIRED.

STANDARD DRIVEWAY DETAIL

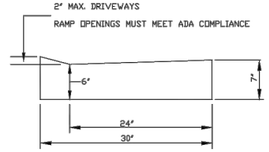


STANDARD CURB & GUTTER SECTION

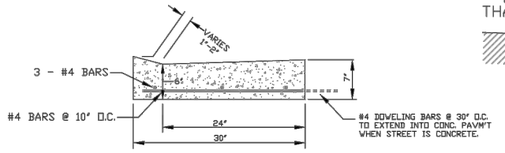
NOTE: WITH REFERENCE TO SAWING OF CONTRACTION JOINTS ON SLIP FORM CURB & GUTTER, & CURB, PAGE 9.3, STANDARD SPEC'S THE SAW CUT SHALL BE A MINIMUM 1/8" WIDE X 1" DEEP.



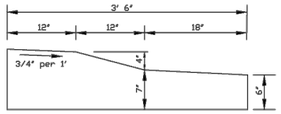
REINFORCED CURB & GUTTER BUS STOP LOCATIONS



MOUNTABLE CURB SECTION

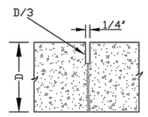


REINFORCED DRIVEWAY

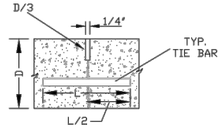


TRAFFIC CIRCLE CURB SECTION

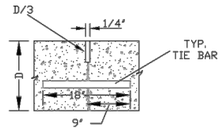
CONTRACTION



SAWED

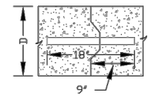


TIED LONGITUDINAL

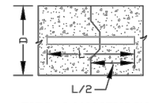


DOWELED TRANSVERSE

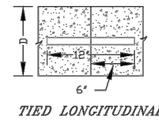
CONSTRUCTION



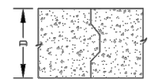
DOWELED TRANSVERSE



TIED LONGITUDINAL

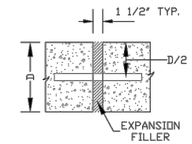


TIED LONGITUDINAL



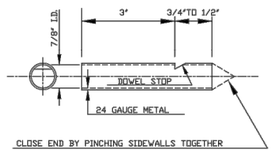
UNTIED

EXPANSION

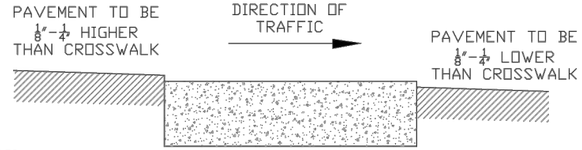


DOWELED TRANSVERSE

ALL JOINTS TO BE SEALED TO KEEP OUT FOREIGN DEBRIS



DOWEL SOCKET DETAIL



CONCRETE CROSSWALK DETAIL

PROJECT No.

LOCATION

CONCRETE-PAVEMENT DETAILS

RESOLUTION DATE

ENGINEERING DEPT.
City of LaCrosse, Wis.

		BY	DATE
FIELD BOOK	SURVEYED		
	DRAWN PRELIMINARY / FINAL		
NUMBER	CHECKED		
	APPROVED		
PAGE	REVISIONS		01/21

SCALE: NONE

SHEET NO. TOTAL SHEETS

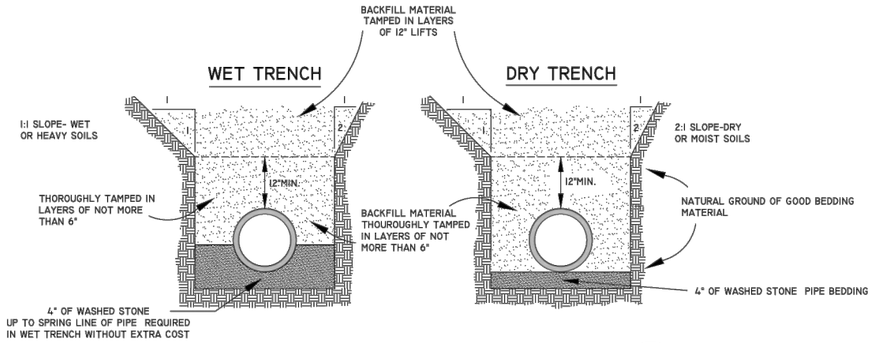
PROJECT NO: 7575-07-83	HWY: STH 16	COUNTY: LA CROSSE	CONSTRUCTION DETAILS	SHEET 8	E

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LAYOUT NAME - 03

PLOT DATE : 10/24/2021 2:10 PM PLOT BY : JEFF BREU PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

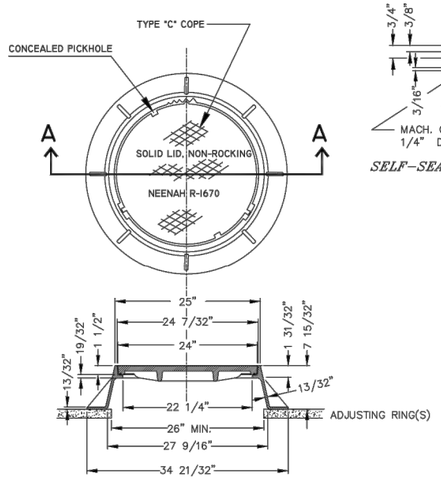
DRAWING NOT TO SCALE



DETAILS OF SEWER TRENCHES A / D-2

SEWER PIPE JOINT MATERIALS

CONCRETE PIPE-RUBBER GASKET (ASTM C-443)
PVC PIPE- ELASTOMETRIC GASKET (ASTM D-3212 & F-477)

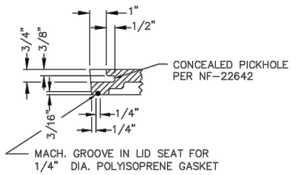


DETAIL OF MANHOLE FRAME & COVER

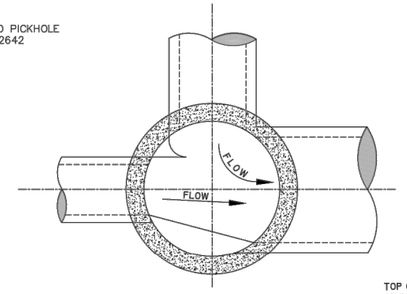
(MINIMUM WEIGHT 324 LBS. TOTAL)
NEENAH R-1670 OR EQUAL

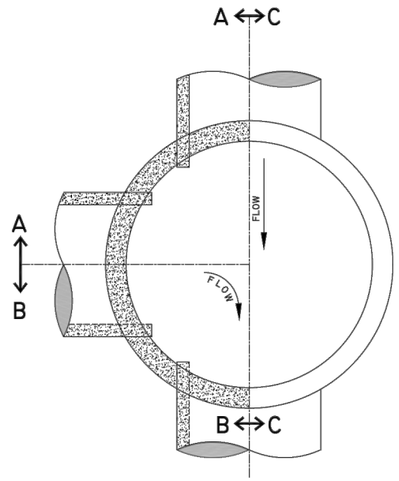
NOTE
OPENING FOR FRAME & COVER SHALL BE CENTERED ON MANHOLES WITH FLAT TOPS.

B / D-2



SELF-SEAL DETAIL





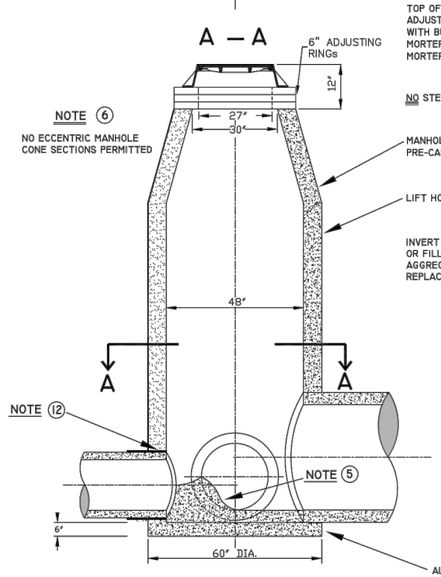
NOTE ①
TOP OF MANHOLE TO BE 12" BELOW FINISHED GRADE. ADJUSTMENT TO BE OF PRE-CAST CONCRETE RINGS WITH BUTYL GASKETS (ROPE) BETWEEN RINGS AND MORTER BETWEEN CASTING & TOP RING ONLY. (3/4" MORTER MAX.)

NOTE ②
NO STEPS ARE TO BE INSTALLED IN MANHOLES

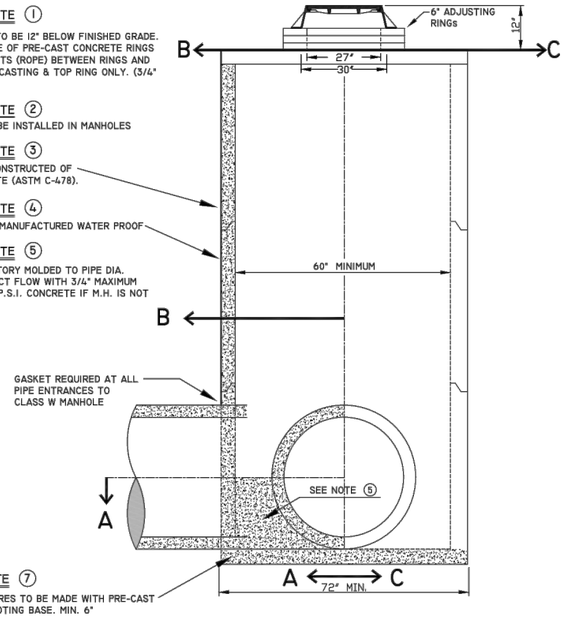
NOTE ③
MANHOLE TO BE CONSTRUCTED OF PRE-CAST CONCRETE (ASTM C-478).

NOTE ④
LIFT HOLES TO BE MANUFACTURED WATER PROOF

NOTE ⑤
INVERT TO BE FACTORY MOLDED TO PIPE DIA. OR FILLED TO DIRECT FLOW WITH 3/4" MAXIMUM AGGREGATE, 3500 P.S.I. CONCRETE IF M.H. IS NOT REPLACED



DETAILS OF STANDARD MANHOLE FOR 30" PIPE OR SMALLER C / D-2

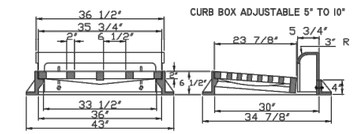


DETAILS OF STANDARD MANHOLE FOR 36" PIPE OR LARGER D / D-2

NOTE ⑫
THE CONNECTION OF ALL PVC STORM WATER PIPE, SIZE 6" TO 30", TO PRECAST MANHOLES OR OTHER STRUCTURES SHALL EMPLOY A WATERTIGHT, FLEXIBLE PIPE-TO-MANHOLE CONNECTOR

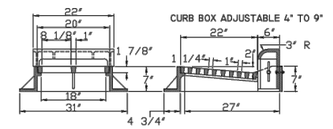
THE CONNECTOR SHALL CONSIST OF A SINGLE RUBBER GASKET, SHALL BE CONSTRUCTED SOLELY OF SYNTHETIC OR NATURAL RUBBER, SHALL MEET/EXCEED THE REQUIREMENTS OF ASTM C 923, AND SHALL HAVE A MINIMUM TENSILE STREGHTH OF 1600 PSI

THE CONNECTOR SHALL BE THE SOLE ELEMENT RELIED ON TO ASSURE A FLEXIBLE, WATERTIGHT SEAL OF THE PIPE TO THE STRUCTURE



DETAILS OF TYPE "A" CATCH BASIN CASTING
NEENAH R-3246-A OR EQUAL
MINIMUM WEIGHT 649 LBS. TOTAL

F / D-2



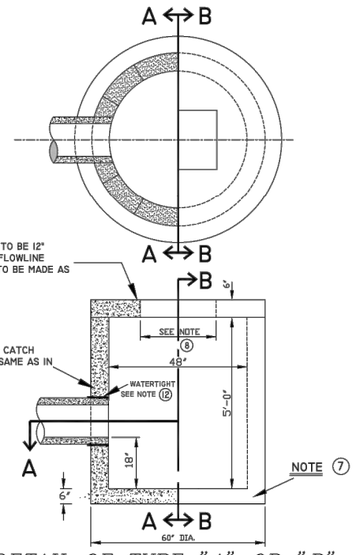
DETAILS OF TYPE "B" CATCH BASIN CASTING
NEENAH R-3234-B1 OR EQUAL
MINIMUM WEIGHT 400 LBS. TOTAL

NOTE: " DUMP NO WASTE DRAINS TO RIVER"

SHALL BE MOLDED IN ALL CASTINGS FACE

NOTE ⑧
RECTANGULAR OPENING IN TOP
"B" TYPE CASTING - 27" X 22"
"A" TYPE CASTING - 36" X 30"

NOTE ⑨
TOP OF CATCH BASIN TO BE 12" BELOW CATCH BASIN FLOWLINE GRADE ADJUSTMENT TO BE MADE AS IN NOTE ①



E / D-2 *DETAIL OF TYPE "A" OR "B" CATCH BASIN*

PROJECT No.
LOCATION
RESOLUTION
DATE

STORM SEWER DETAILS
D–2

ENGINEERING DEPT.
City of LaCrosse, Wis.

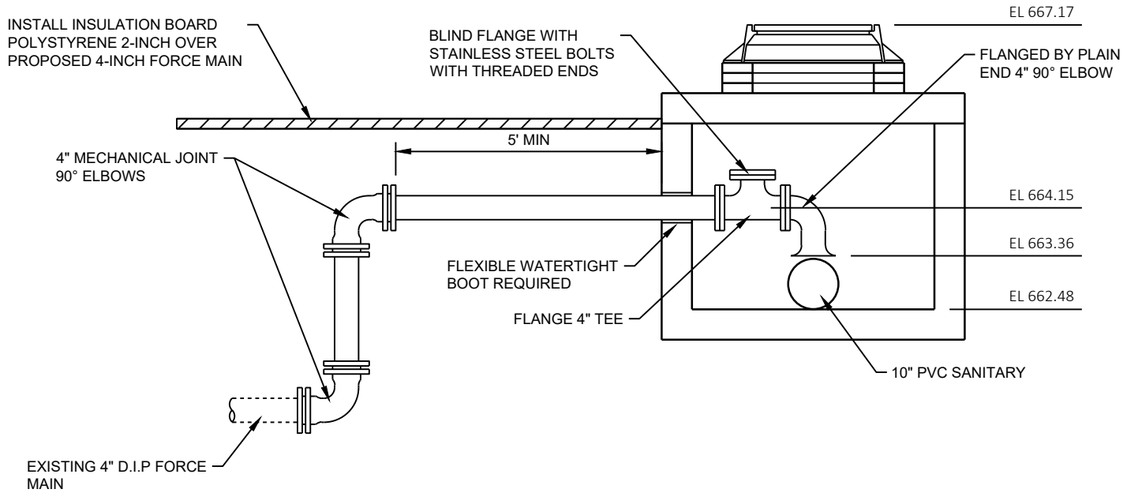
			BY	DATE
FIELD BOOK	SURVEYED			
	DRAWN PRELIMINARY			
NUMBER	FINAL			
	CHECKED			
	APPROVED			
PAGE	REVISIONS	M.D.F. 3/03	J.M.C.	6/2015
		J.M.C. 9/03	BFM	2/2019
		M.D.F. 4/06	J.M.C.	8/2019
		M.D.F. 12/10		
		M.D.F. 4/13		

SCALE: NONE
SHEET NO. TOTAL SHEETS

PROJECT NO: 7575-07-83	HWY: STH 16	COUNTY: LA CROSSE	CONSTRUCTION DETAILS	SHEET 9	E

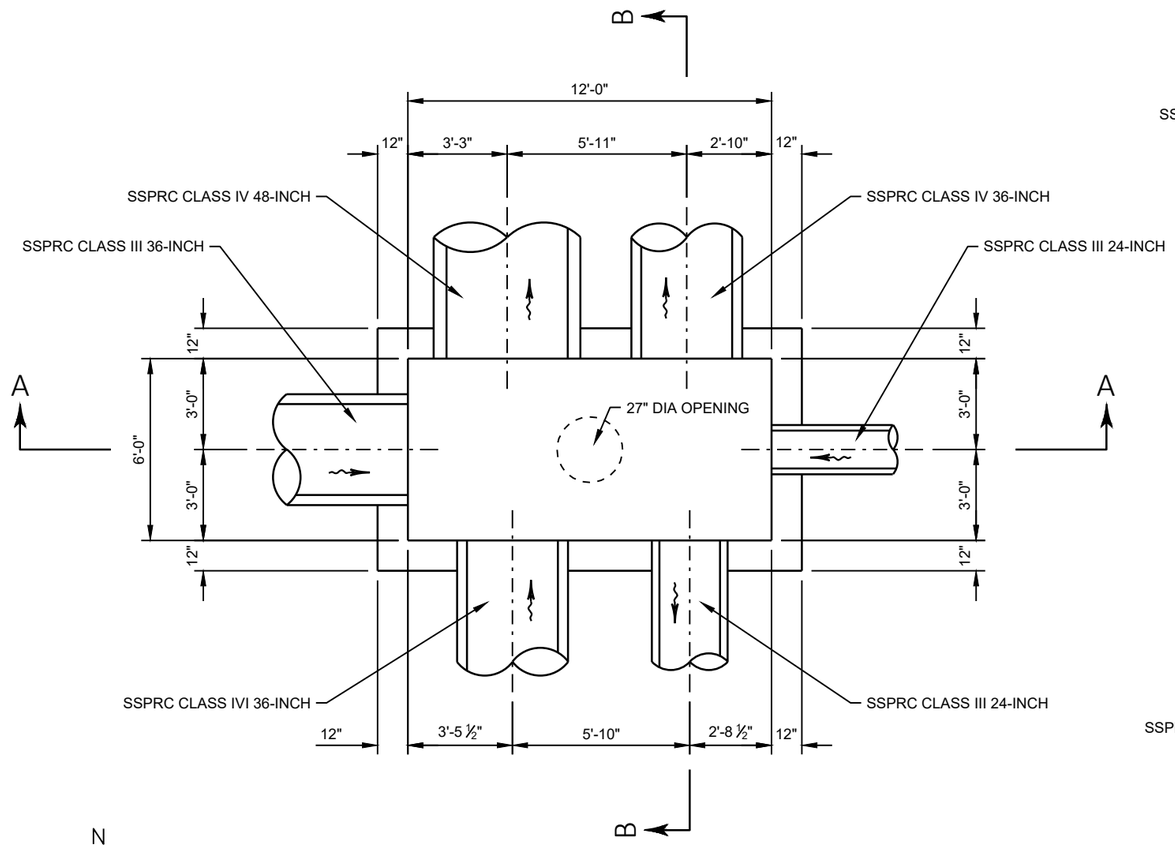
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PLOT BY : JEFF BREU
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2



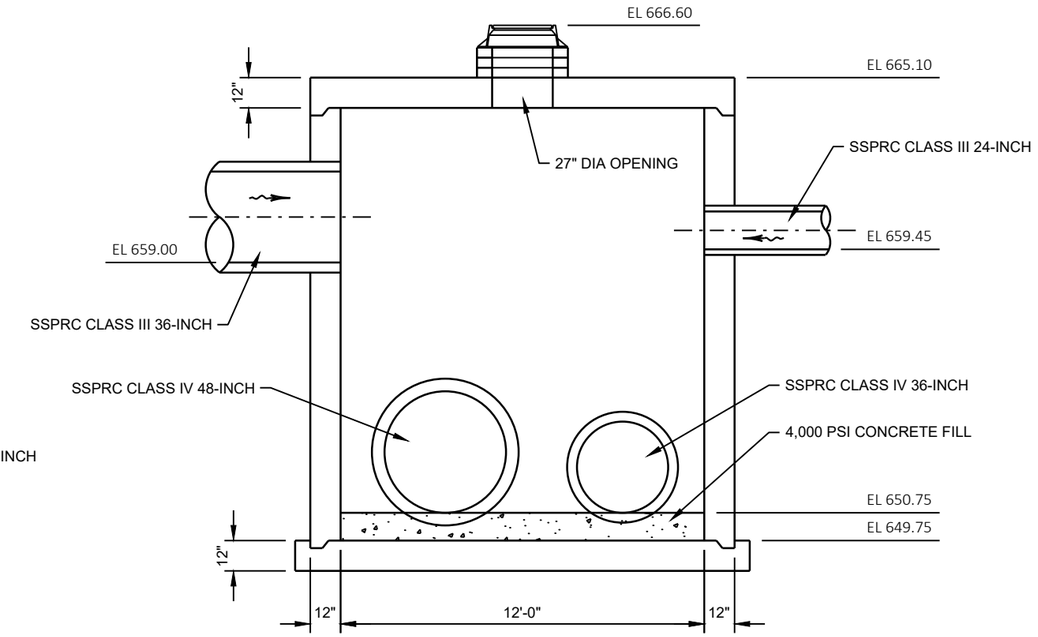
FORCE MAIN DISCHARGE SANITARY MANHOLE #16

STA 126+79.8, RT 0.4'

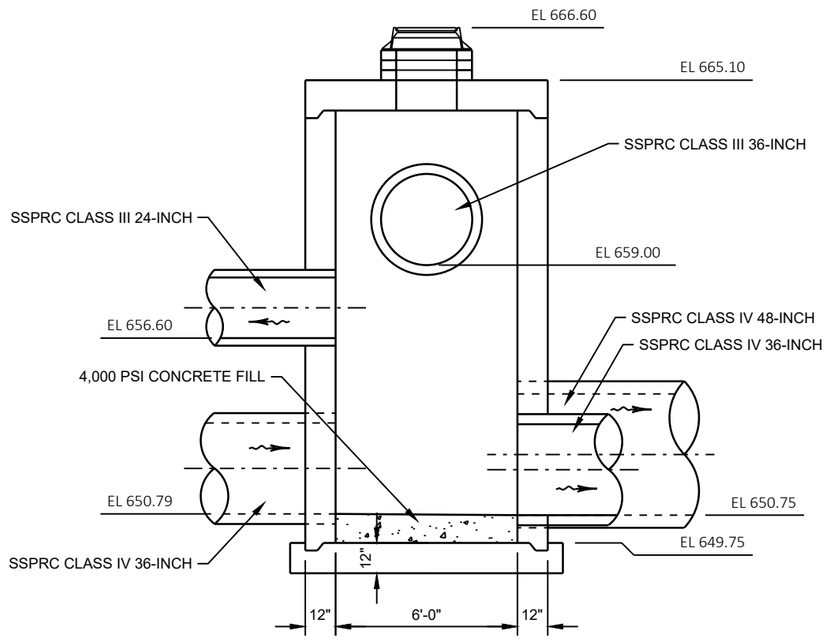


PLAN VIEW VAULT

VAULT DETAIL
(12' x 6')



SECTION A-A

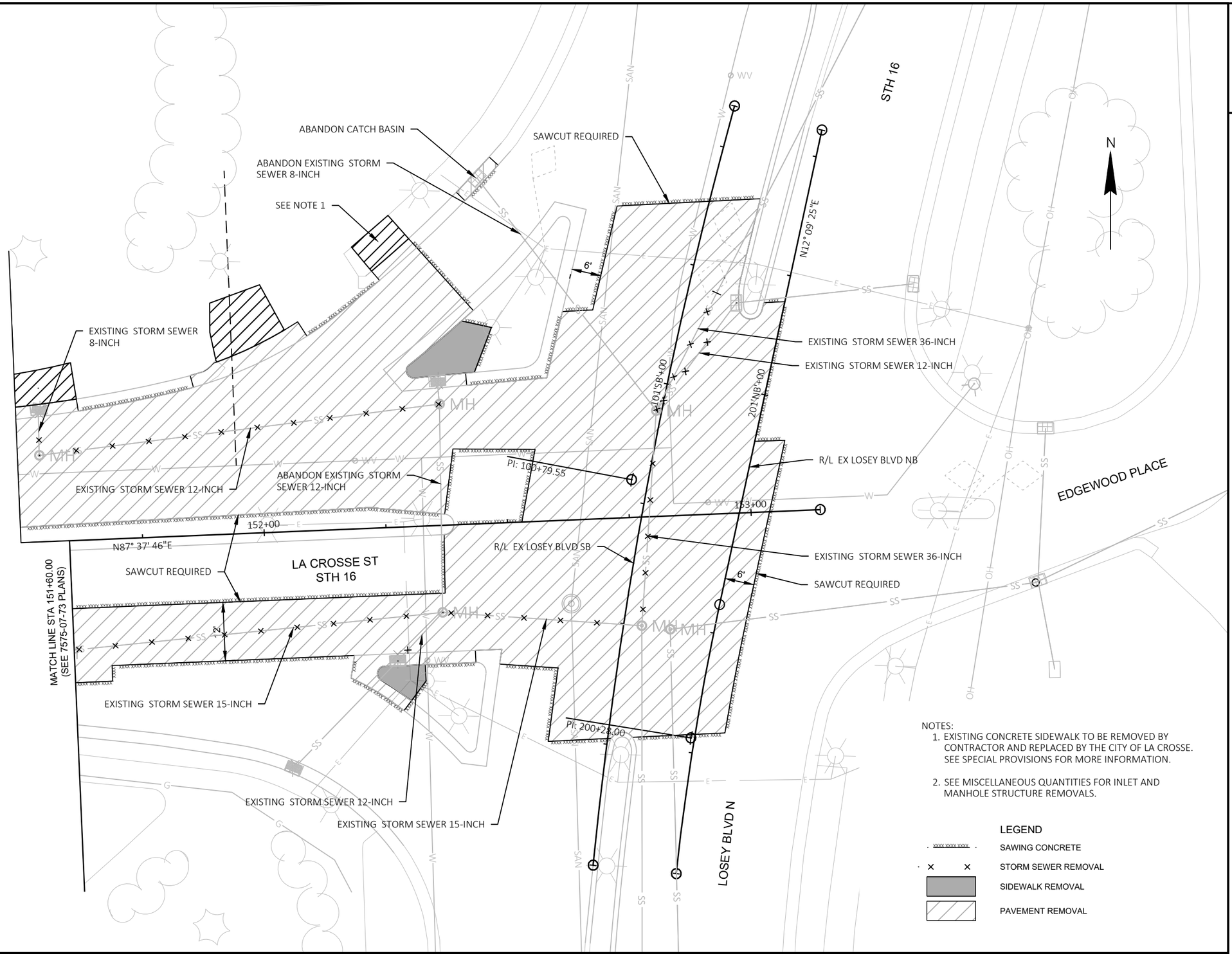


SECTION B-B

PROJECT NO: 7575-07-83	HWY: STH 16	COUNTY: LA CROSSE	CONSTRUCTION DETAILS	SHEET 11	E

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PLOT DATE : 10/24/2021 2:12 PM
PLOT BY : JEFF BREU
PLOT NAME :
PLOT SCALE : 1 IN:5 FT
WISDOT/CADDS SHEET 42

2



NOTES:

1. EXISTING CONCRETE SIDEWALK TO BE REMOVED BY CONTRACTOR AND REPLACED BY THE CITY OF LA CROSSE. SEE SPECIAL PROVISIONS FOR MORE INFORMATION.
2. SEE MISCELLANEOUS QUANTITIES FOR INLET AND MANHOLE STRUCTURE REMOVALS.

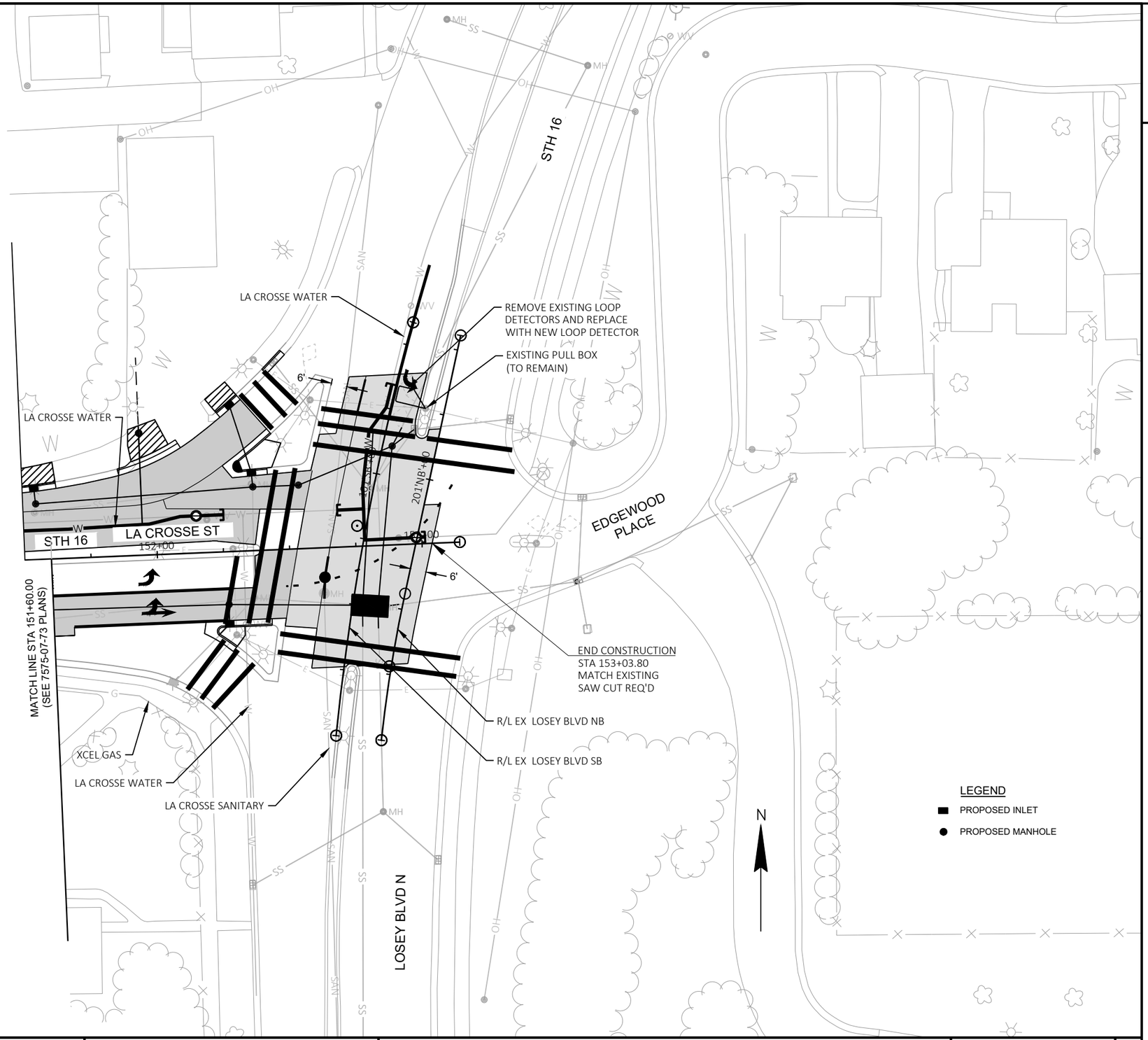
LEGEND

- SAWING CONCRETE
- STORM SEWER REMOVAL
- SIDEWALK REMOVAL
- PAVEMENT REMOVAL

PROJECT NO: 7575-07-83	HWY: STH 16	COUNTY: LA CROSSE	REMOVAL PLAN	SHEET 12	E

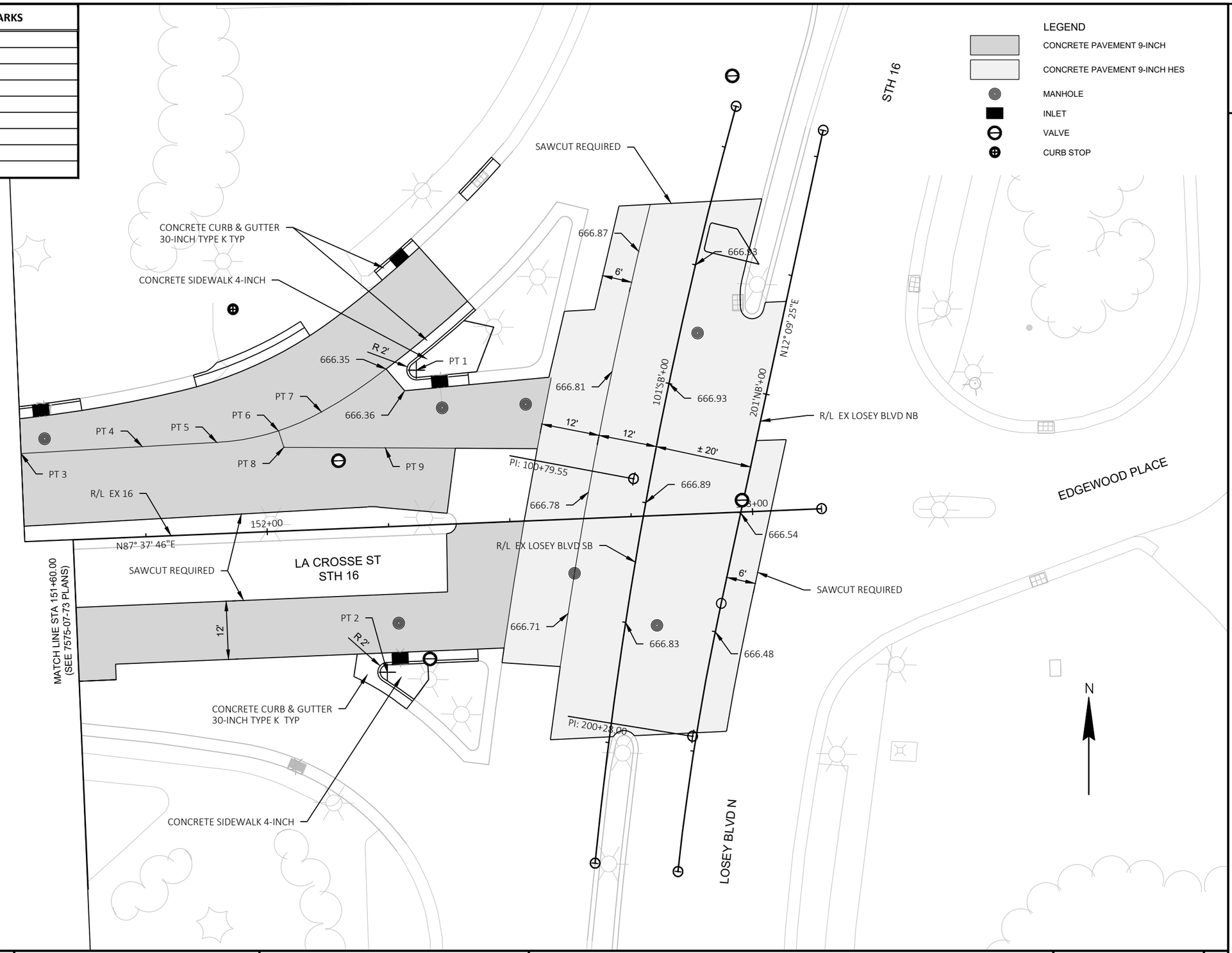
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PLOT BY : JEFF BREU
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

2



PROJECT NO: 7575-07-83	HWY: STH 16	COUNTY: LA CROSSE	PLAN DETAILS	SHEET 13	E

PT	STATION	LOCATION	ELEVATION	REMARKS
1	152+32.04	LT 31.97'	-	HUB
2	152+23.49	RT 29.92'	-	HUB
3	151+50.00	LT 18.19'	666.24	
4	151+75.00	LT 18.57'	666.20	
5	151+90.38	LT 18.80'	666.22	PC
6	152+03.16	LT 20.66'	666.27	INT
7	152+12.18	LT 24.18'	666.31	POC
8	152+04.15	LT 17.19'	666.31	PT
9	152+25.00	LT 16.24'	666.41	



PROJECT NO: 7575-07-83	HWY: STH 16	COUNTY: LA CROSSE	JOINT DETAILS	SHEET 14	E

2

1 OUTFALL 916 CONCRETE COLLAR
CONNECT 12" PIPE TO EX 12" CONC
INV (S) 662.40

2 INCOMING 1010 CONCRETE COLLAR
CONNECT 36" PIPE TO EX 36" CONC
INV (S) 650.81

3 OUTFALL 1110 CONCRETE COLLAR
CONNECT 24" PIPE TO EX 24" CONC
INV (S) 656.57

4 INCOMING 1115 CONCRETE COLLAR
CONNECT 15" PIPE TO EX 15" CONC
INV (E) 659.47

5 OUTFALL 1130 CONCRETE COLLAR
CONNECT 36" PIPE TO EX 36" PIPE
INV (N) 650.53

ABANDONING CATCH BASIN

STA 152+37, 29.5' LT
LACROSSE CATCH BASIN A
C 1129

STA 152+29, 55.2' LT
LACROSSE CATCH BASIN A
C 1129A

SSPRC CLASS III 12-INCH

STA 152+37, 24.0' LT
LACROSS MANHOLE, SMALL
M 1126

STA 151+54, 26.9' LT
LACROSSE CATCH BASIN A
C 1128

SSPRC CLASS III 12-INCH

REMOVE STORM SEWER 8-INCH

STA 151+55, 21.0' LT
LACROSSE MANHOLE, SMALL
M 1127

SSPRC CLASS III 12-INCH

ABANDON STORM SEWER

SSPRC CLASS III 12-INCH

SSPRC CLASS III 15-INCH

STA 152+54, 24.0' LT
LACROSSE MANHOLE, SMALL
M 1125

SSPRC CLASS III 15-INCH

STORM SEWER PLUG 48-INCH

5

CONNECT TO EXISTING STORM STRUCTURE

SSPRC CLASS IV 36-INCH

SSPRC CLASS III 12-INCH

STA 152+90, 37.2' LT
MANHOLES 6-J
M 1120

SSPRC CLASS IV 36-INCH

SSPRC CLASS IV 48-INCH

SSPRC CLASS III 15-INCH

SSPRC CLASS III 24-INCH

VAULT STA 152+79, 22.6' RT
VAULT 12' x 6'

SSPRC CLASS IV 36-INCH

SSPRC CLASS III 36-INCH

ABANDON STORM SEWER

STA 152+26, 19.9' RT
MANHOLES 5-J
M 910

SSPRC CLASS III 12-INCH

SSPRC CLASS III 12-INCH

STA 152+26, 27.2' RT
LACROSSE CATCH BASIN A
C 915

SSPRC CLASS III 36-INCH

MATCH LINE STA 151+60.00
(SEE 7575-07-73 PLAN)

LA CROSSE ST

LOSEY BLVD N

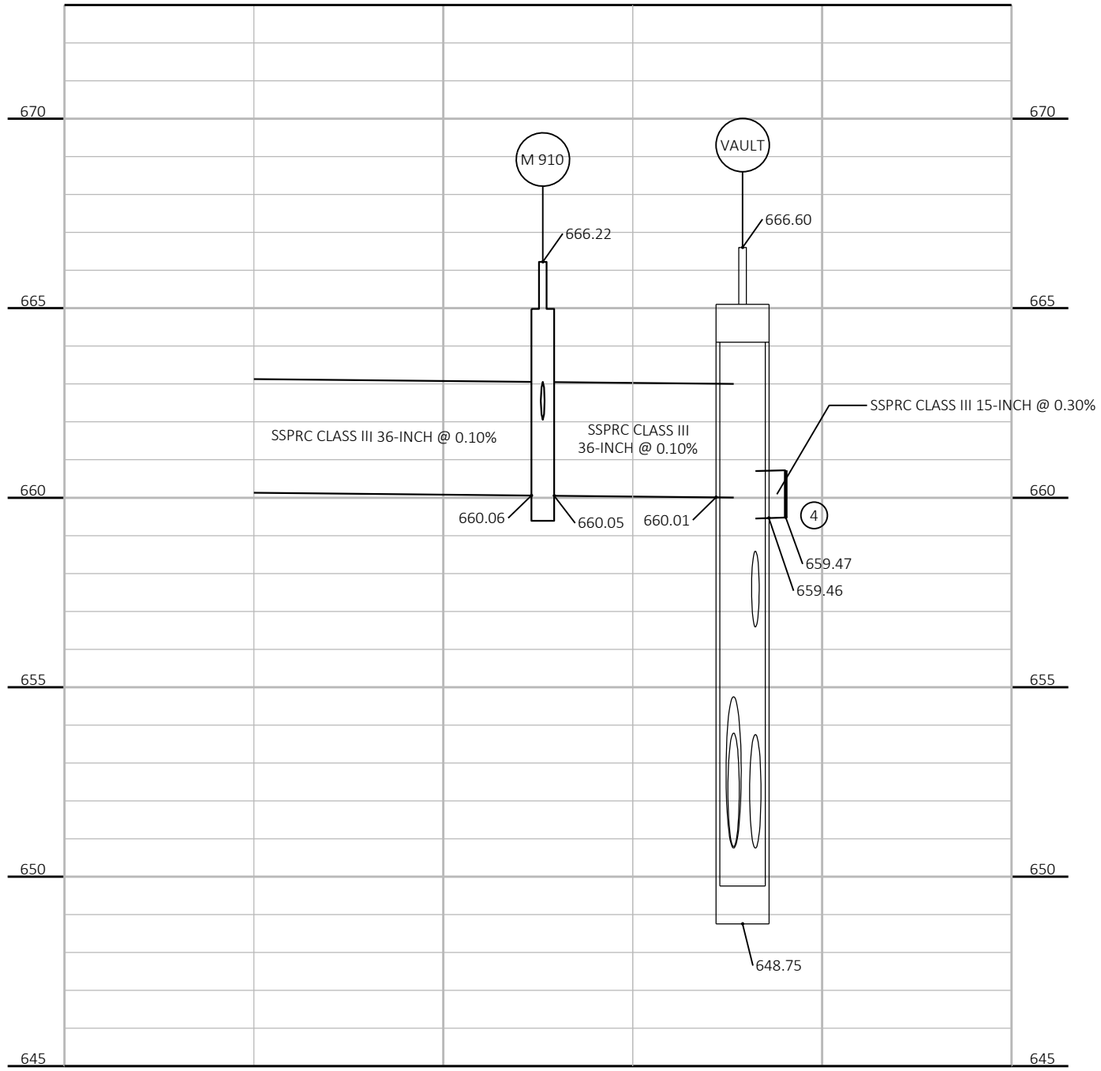
STH 16

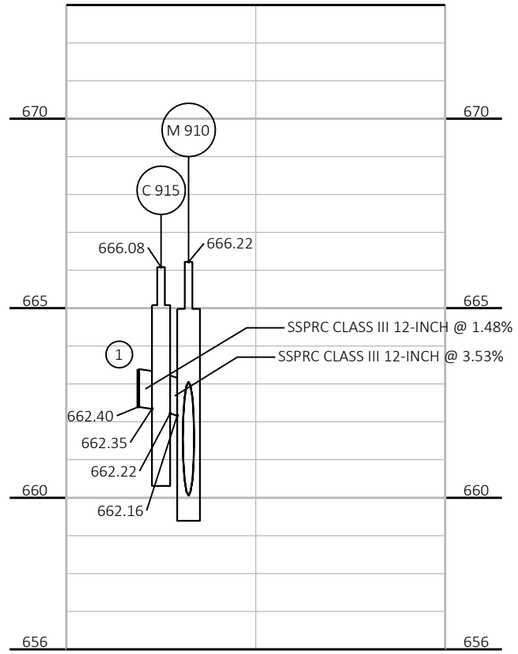
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PROJECT NO: 7575-07-83	HWY: STH 16	COUNTY: LA CROSSE	STORM SEWER	SHEET 15	E

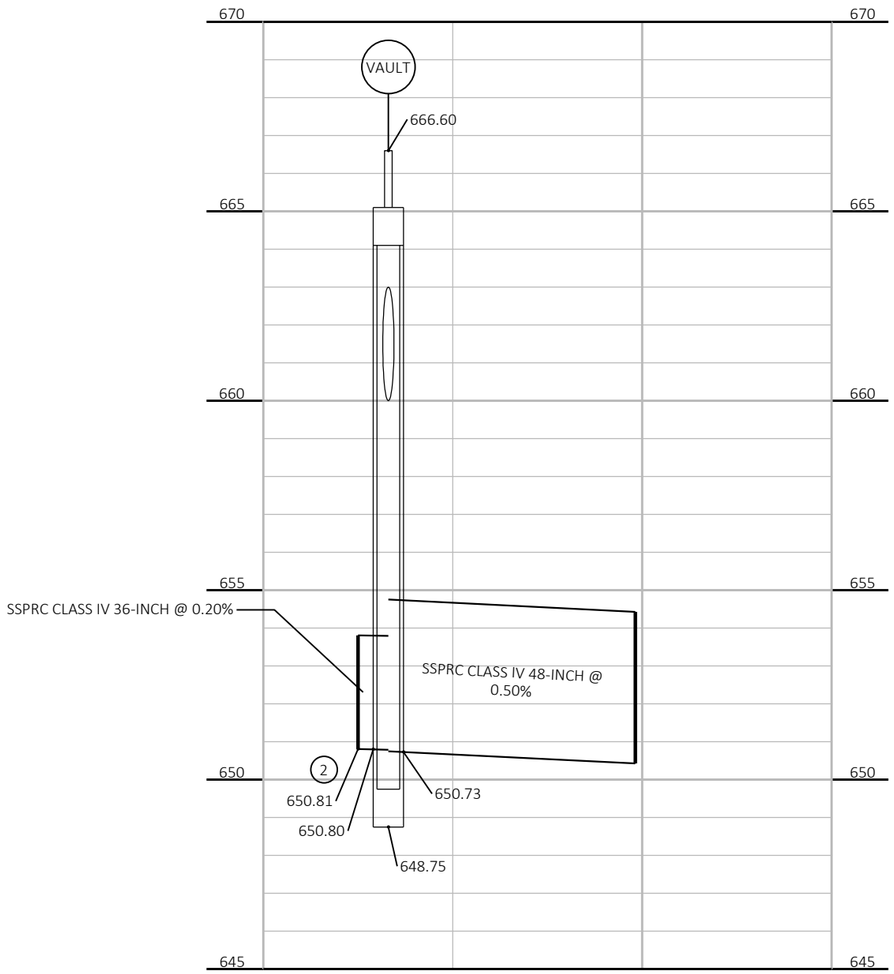
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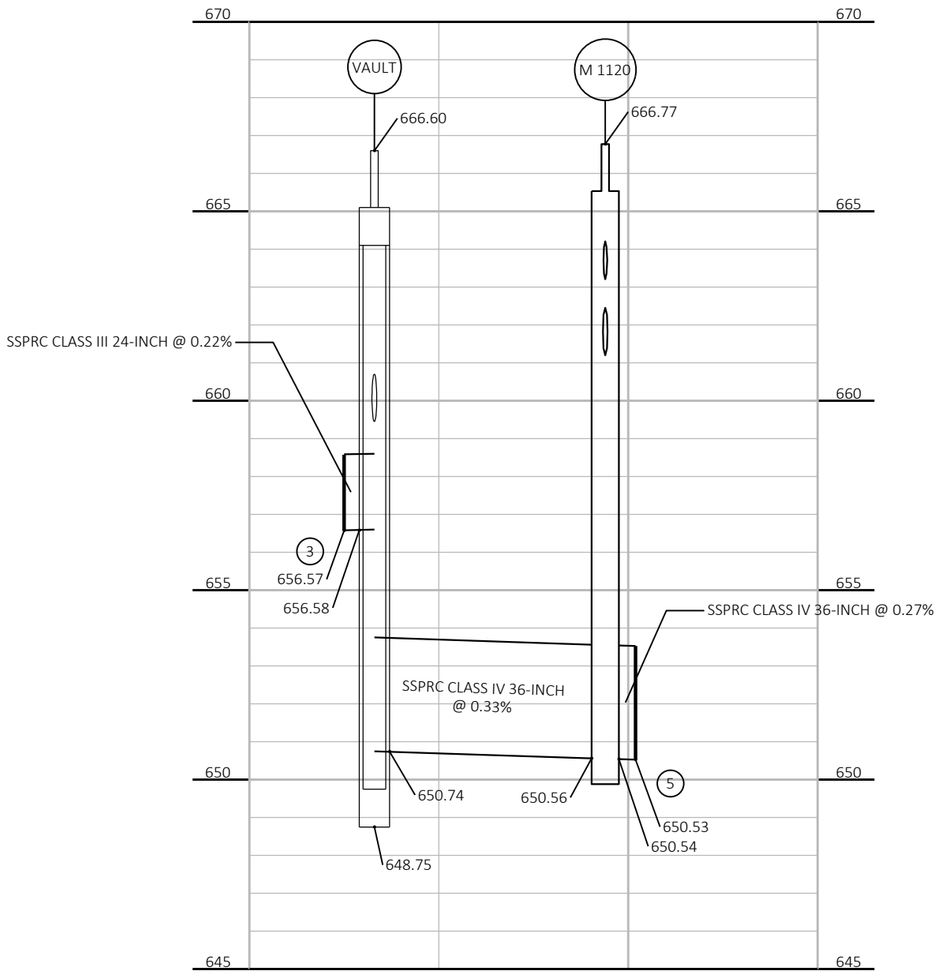
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670
665
660
655
650
645
M 910
VAULT
666.22
666.60
SSPRC CLASS III 36-INCH @ 0.10%
SSPRC CLASS III
36-INCH @ 0.10%
SSPRC CLASS III 15-INCH @ 0.30%
660.06
660.05
660.01
4
659.47
659.46
648.75

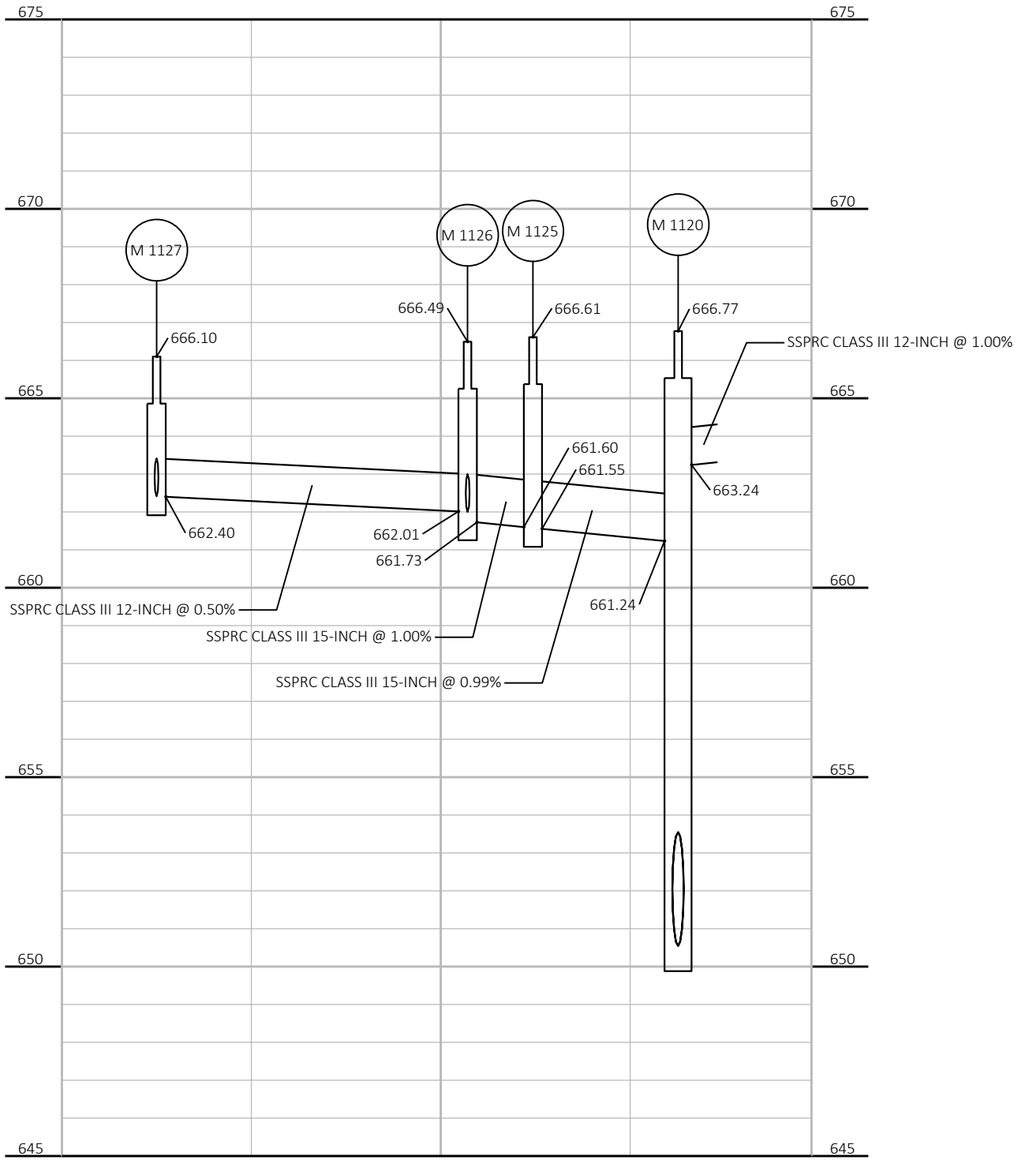

670
665
660
656
M 910
C 915
666.08
666.22
SSPRC CLASS III 12-INCH @ 1.48%
SSPRC CLASS III 12-INCH @ 3.53%
1
662.40
662.35
662.22
662.16

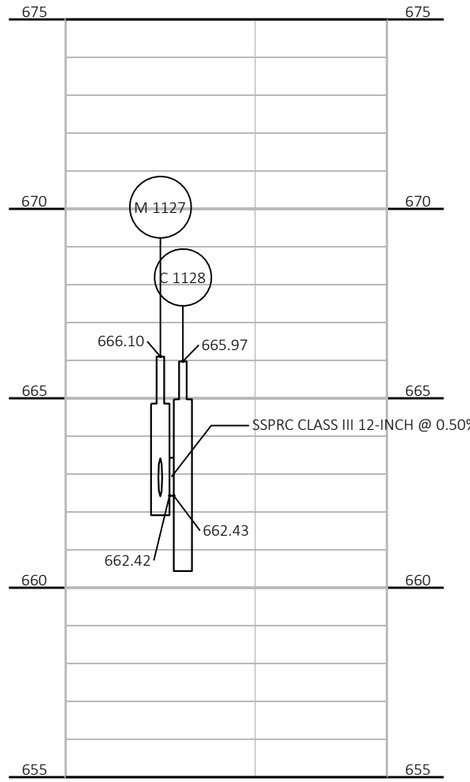
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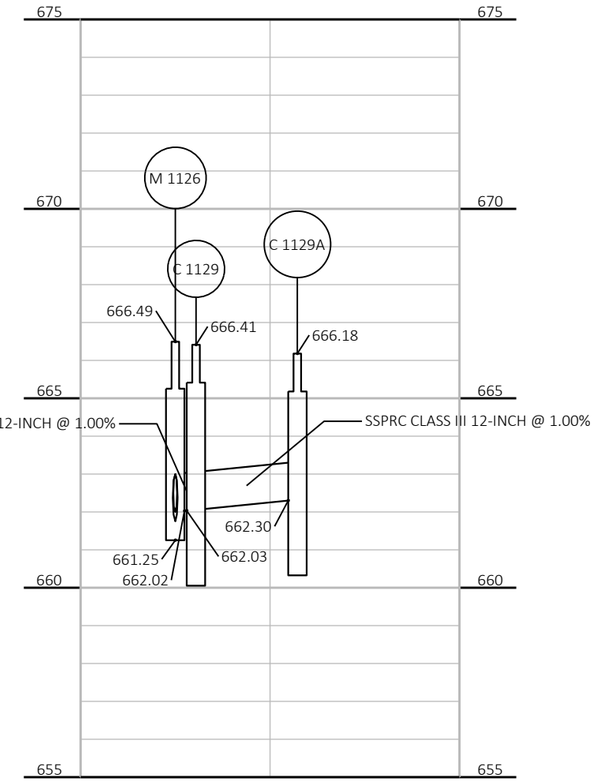




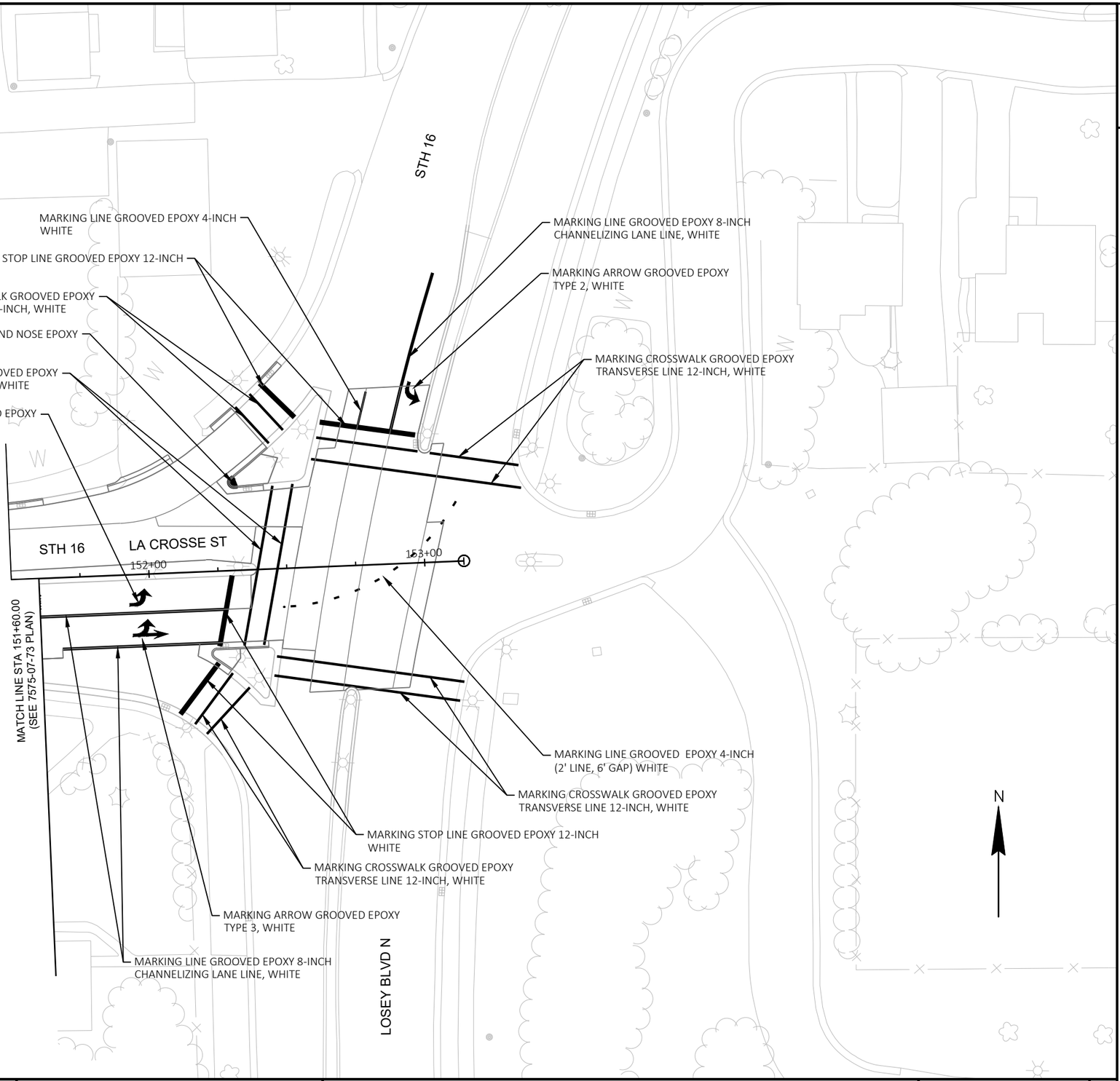
PROJECT NO: 7575-07-83	HWY: STH 16	COUNTY: LA CROSSE	STORM SEWER	SHEET 17	E


675
670
665
660
655
650
645
M 1127
M 1126
M 1125
M 1120
666.10
666.49
666.61
666.77
SSPRC CLASS III 12-INCH @ 1.00%
661.60
661.55
663.24
662.40
662.01
661.73
661.24
SSPRC CLASS III 12-INCH @ 0.50%
SSPRC CLASS III 15-INCH @ 1.00%
SSPRC CLASS III 15-INCH @ 0.99%

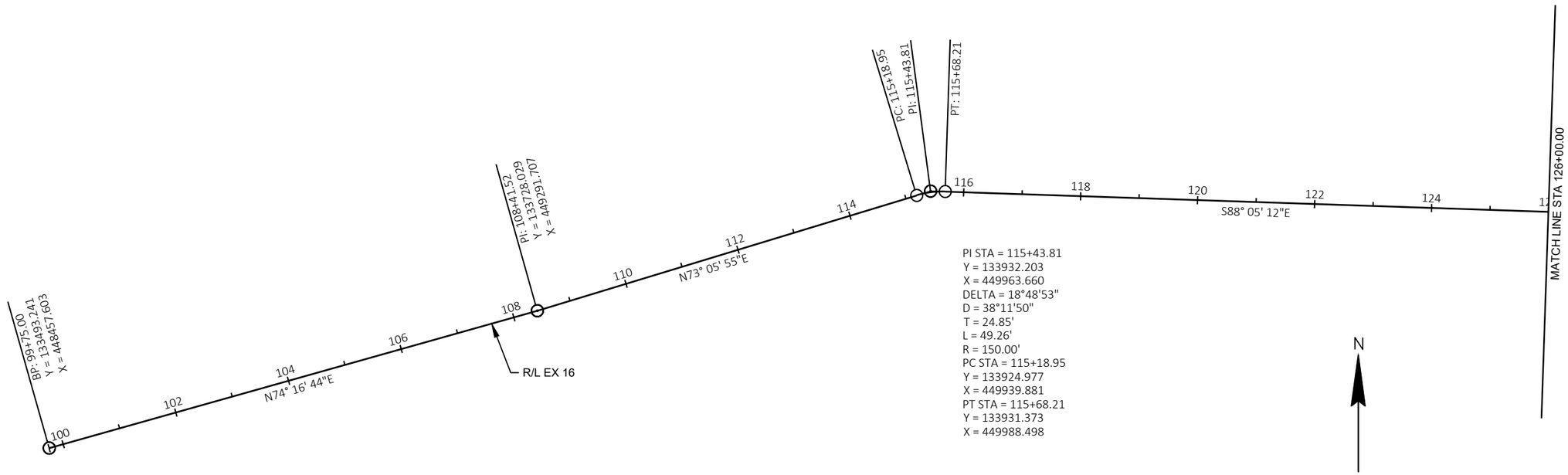

675
670
665
660
655
M 1127
C 1128
666.10
665.97
SSPRC CLASS III 12-INCH @ 0.50%
662.43
662.42

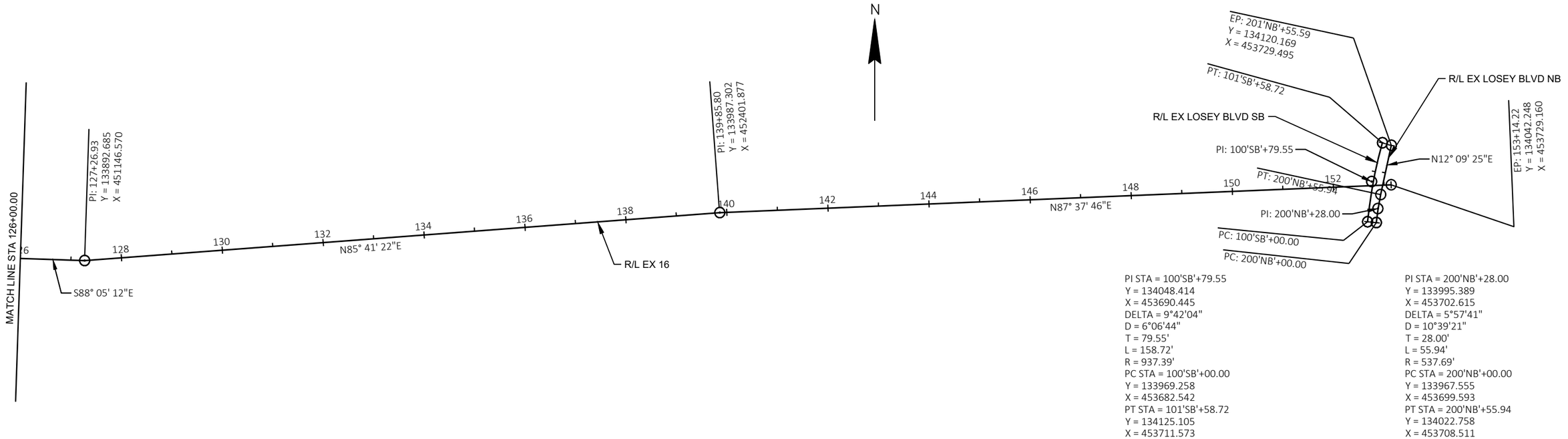

675
670
665
660
655
M 1126
C 1129
C 1129A
666.49
666.41
666.18
SSPRC CLASS III 12-INCH @ 1.00%
SSPRC CLASS III 12-INCH @ 1.00%
662.30
661.25
662.03
662.02

2



PROJECT NO: 7575-07-83	HWY: STH 16	COUNTY: LA CROSSE	PAVEMENT MARKING	SHEET 19	E





PROJECT NO: 7575-07-83	HWY: STH 16	COUNTY: LA CROSSE	ALIGNMENTS	SHEET 20	E

7575-07-83

Line	Item	Item Description	Unit	Total	Qty
0006	204.0100	Removing Concrete Pavement	SY	1,042.000	1,042.000
0014	204.0150	Removing Curb & Gutter	LF	10.000	10.000
0016	204.0155	Removing Concrete Sidewalk	SY	219.000	219.000
0020	204.0210	Removing Manholes	EACH	6.000	6.000
0022	204.0220	Removing Inlets	EACH	3.000	3.000
0024	204.0245	Removing Storm Sewer (size) 001. 8-Inch	LF	10.000	10.000
0026	204.0245	Removing Storm Sewer (size) 002. 12-Inch	LF	148.000	148.000
0028	204.0245	Removing Storm Sewer (size) 003. 15-Inch	LF	91.000	91.000
0030	204.0245	Removing Storm Sewer (size) 004. 24-Inch	LF	8.000	8.000
0032	204.0245	Removing Storm Sewer (size) 005. 36-Inch	LF	78.000	78.000
0040	204.0255	Abandoning Catch Basins	EACH	1.000	1.000
0056	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	350.000	350.000
0060	415.0090	Concrete Pavement 9-Inch	SY	485.000	485.000
0062	415.1090	Concrete Pavement HES 9-Inch	SY	525.000	525.000
0066	416.0610	Drilled Tie Bars	EACH	195.000	195.000
0068	416.0620	Drilled Dowel Bars	EACH	110.000	110.000
0082	511.1100	Temporary Shoring	SF	1,800.000	1,800.000
0084	520.8000	Concrete Collars for Pipe	EACH	5.000	5.000
0086	601.0417	Concrete Curb & Gutter 30-Inch Type K	LF	125.000	125.000
0092	602.0405	Concrete Sidewalk 4-Inch	SF	166.000	166.000
0104	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	143.000	143.000
0106	608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	63.000	63.000
0110	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	8.000	8.000
0112	608.0336	Storm Sewer Pipe Reinforced Concrete Class III 36-Inch	LF	50.000	50.000
0116	608.0436	Storm Sewer Pipe Reinforced Concrete Class IV 36-Inch	LF	77.000	77.000
0118	608.0448	Storm Sewer Pipe Reinforced Concrete Class IV 48-Inch	LF	65.000	65.000
0124	611.2005	Manholes 5-FT Diameter	EACH	1.000	1.000
0126	611.2006	Manholes 6-FT Diameter	EACH	1.000	1.000
0130	612.0902.S	Insulation Board Polystyrene (inch) 001. 2-Inch	SY	314.000	314.000
0134	619.1000	Mobilization	EACH	0.100	0.100
0140	624.0100	Water	MGAL	7.000	7.000
0150	628.1905	Mobilizations Erosion Control	EACH	1.000	1.000
0158	628.7015	Inlet Protection Type C	EACH	11.000	11.000
0180	642.5401	Field Office Type D	EACH	0.100	0.100
0210	644.1420	Temporary Pedestrian Surface Plywood	SF	1,162.000	1,162.000
0222	646.8220	Marking Island Nose Epoxy	EACH	1.000	1.000
0242	650.4000	Construction Staking Storm Sewer	EACH	10.000	10.000
0248	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	90.000	90.000
0250	650.7000	Construction Staking Concrete Pavement	LF	206.000	206.000
0268	652.0800	Conduit Loop Detector	LF	32.000	32.000
0310	655.0800	Loop Detector Wire	LF	105.000	105.000
0382	690.0250	Sawing Concrete	LF	1,113.000	1,113.000
0392	SPV.0035	Special 101. Abandon Storm Sewer	CY	2.000	2.000
0396	SPV.0060	Special 101. Storm Sewer Vault 12' x 6'	EACH	1.000	1.000
0398	SPV.0060	Special 102. Connect to Existing Storm Sewer Structure	EACH	1.000	1.000
0400	SPV.0060	Special 103. Storm Sewer Plug 48-Inch	EACH	1.000	1.000
0406	SPV.0060	Special 106. La Crosse Manhole, Small	EACH	3.000	3.000
0408	SPV.0060	Special 107. La Crosse Manhole Covers, Small	EACH	6.000	6.000
0410	SPV.0060	Special 108. La Crosse Catch Basin A	EACH	4.000	4.000

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Line	Item	Item Description	Unit	Total	Qty
0412	SPV.0060	Special 109. La Crosse Catch Basin Covers A	EACH	4.000	4.000
0422	SPV.0060	Special 201. Remove Existing Hydrant	EACH	1.000	1.000
0424	SPV.0060	Special 202. Corporation Stop 1-Inch	EACH	14.000	14.000
0426	SPV.0060	Special 203. Corporation Stop 1-1/4 Inch	EACH	1.000	1.000
0428	SPV.0060	Special 204. Curb Stop 1-Inch	EACH	14.000	14.000
0430	SPV.0060	Special 205. Curb Stop 1-1/4 Inch	EACH	1.000	1.000
0432	SPV.0060	Special 206. Hydrant	EACH	2.000	2.000
0434	SPV.0060	Special 207. Hydrant Control Valve 6-Inch	EACH	13.000	13.000
0436	SPV.0060	Special 208. Salvage & Re-Install Hydrant	EACH	11.000	11.000
0438	SPV.0060	Special 209. RS Wedge Valve 24-Inch	EACH	1.000	1.000
0440	SPV.0060	Special 210. RS Wedge Valve 20-Inch	EACH	1.000	1.000
0442	SPV.0060	Special 211. RS Wedge Valve 18-Inch	EACH	2.000	2.000
0444	SPV.0060	Special 212. RS Wedge Valve 16-Inch	EACH	6.000	6.000
0446	SPV.0060	Special 213. RS Wedge Valve 8-Inch	EACH	4.000	4.000
0448	SPV.0060	Special 214. RS Wedge Valve 6-Inch	EACH	11.000	11.000
0450	SPV.0060	Special 215. Connect to Existing 24-Inch Water Main	EACH	1.000	1.000
0452	SPV.0060	Special 216. Connect to Existing 20-Inch Water Main	EACH	1.000	1.000
0454	SPV.0060	Special 217. Connect to Existing 18-Inch Water Main	EACH	1.000	1.000
0456	SPV.0060	Special 218. Connect to Existing 8-Inch Water Main	EACH	7.000	7.000
0458	SPV.0060	Special 219. Connect to Existing 6-Inch Water Main	EACH	16.000	16.000
0460	SPV.0060	Special 220. Reducer 16-Inch to 8-Inch	EACH	2.000	2.000
0462	SPV.0060	Special 221. Tee 16 x 6-Inch	EACH	11.000	11.000
0464	SPV.0060	Special 222. Tee 8 x 6-Inch	EACH	5.000	5.000
0466	SPV.0060	Special 223. Tee 6 x 6-Inch	EACH	3.000	3.000
0468	SPV.0060	Special 224. Cross 18 x 16-Inch	EACH	1.000	1.000
0470	SPV.0060	Special 225. Cross 20 x 16-Inch	EACH	1.000	1.000
0472	SPV.0060	Special 226. Cross 24 x 16-Inch	EACH	1.000	1.000
0474	SPV.0060	Special 227. 11.25 Degree Bend 6-Inch	EACH	1.000	1.000
0476	SPV.0060	Special 228. 11.25 Degree Bend 16-Inch	EACH	2.000	2.000
0478	SPV.0060	Special 229. 22.5 Degree Bend 6-Inch	EACH	4.000	4.000
0480	SPV.0060	Special 230. 22.5 Degree Bend 8-Inch	EACH	2.000	2.000
0482	SPV.0060	Special 231. 90 Degree Bend 6-Inch	EACH	1.000	1.000
0484	SPV.0060	Special 232. Adjusting Water Valves	EACH	8.000	8.000
0486	SPV.0060	Special 233. Install Sanitary Sewer Manhole Covers	EACH	21.000	21.000
0488	SPV.0060	Special 234. Sanitary Manhole 48-Inch I.D.	EACH	20.000	20.000
0490	SPV.0060	Special 235. Sanitary Manhole 48-Inch I.D. Protective Coated	EACH	1.000	1.000
0492	SPV.0060	Special 236. Sanitary Sewer Manhole Removal	EACH	13.000	13.000
0494	SPV.0060	Special 237. Sanitary Sewer Wye PVC - 12 x 4-Inch	EACH	34.000	34.000
0496	SPV.0060	Special 238. Sanitary Sewer Wye PVC - 12 x 6-Inch	EACH	1.000	1.000
0498	SPV.0060	Special 239. Sanitary Sewer Wye PVC - 10 x 4-Inch	EACH	7.000	7.000
0500	SPV.0060	Special 240. Sanitary Sewer Wye PVC - 8 x 4-Inch	EACH	4.000	4.000
0502	SPV.0060	Special 241. Sanitary Sewer Wye PVC - 12 x 8-Inch	EACH	1.000	1.000
0504	SPV.0060	Special 242. Construction Staking Watermain System - Project 7575-07-83	EACH	1.000	1.000
0506	SPV.0060	Special 243. 45 Degree Bend 6-Inch	EACH	6.000	6.000
0508	SPV.0060	Special 251. Construction Staking Sanitary Sewer System - Project 7575-07-83	EACH	1.000	1.000
0510	SPV.0060	Special 252. Connect Existing 4-Inch Force Main to Discharge Manhole	EACH	1.000	1.000
0512	SPV.0060	Special 301. Marking Arrow Grooved Epoxy	EACH	3.000	3.000
0554	SPV.0090	Special 201. Remove Existing Water Main	LF	591.000	591.000
0556	SPV.0090	Special 202. Copper Water Service 1-Inch	LF	282.000	282.000

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Line	Item	Item Description	Unit	Total	Qty
0558	SPV.0090	Special 203. Copper Water Service 1-1/4 Inch	LF	19.000	19.000
0560	SPV.0090	Special 204. Ductile Iron Water Main 24-Inch	LF	25.000	25.000
0562	SPV.0090	Special 205. Ductile Iron Water Main 20-Inch	LF	25.000	25.000
0564	SPV.0090	Special 206. Ductile Iron Water Main 18-Inch	LF	31.000	31.000
0566	SPV.0090	Special 207. Ductile Iron Water Main 16-Inch	LF	1,816.000	1,816.000
0568	SPV.0090	Special 208. Ductile Iron Water Main 8-Inch	LF	82.000	82.000
0570	SPV.0090	Special 209. Ductile Iron Water Main 6-Inch	LF	511.000	511.000
0572	SPV.0090	Special 210. Ductile Iron Hydrant Lead 6-Inch	LF	166.000	166.000
0574	SPV.0090	Special 251. Sanitary Sewer Removal	LF	1,896.000	1,896.000
0576	SPV.0090	Special 252. Sanitary Sewer Lateral 4-Inch	LF	817.000	817.000
0578	SPV.0090	Special 253. Sanitary Sewer Lateral 6-Inch	LF	15.000	15.000
0580	SPV.0090	Special 254. Sanitary Sewer Lateral 8-Inch	LF	31.000	31.000
0582	SPV.0090	Special 255. Sanitary Sewer 8-Inch	LF	289.000	289.000
0584	SPV.0090	Special 256. Sanitary Sewer 10-Inch	LF	567.000	567.000
0586	SPV.0090	Special 257. Sanitary Sewer 12-Inch	LF	1,576.000	1,576.000
0588	SPV.0090	Special 258. Sanitary Sewer 15-Inch	LF	8.000	8.000
0590	SPV.0090	Special 259. Abandon Sanitary Sewer Pipe	LF	135.000	135.000
0592	SPV.0090	Special 301. Marking Crosswalk Grooved Epoxy Transverse Line 12-Inch	LF	482.000	482.000
0594	SPV.0090	Special 302. Marking Stop Line Grooved Epoxy 12-Inch	LF	102.000	102.000
0598	SPV.0090	Special 304. Marking Line Grooved Epoxy 4-Inch	LF	25.000	25.000
0602	SPV.0090	Special 306. Marking Line Grooved Epoxy 8-Inch	LF	184.000	184.000

3

REMOVALS

LOCATION				CATEGORY	204.0100 REMOVING CONCRETE PAVEMENT (SY)	204.0150 REMOVING CURB & GUTTER (LF)	204.0155 REMOVING CONCRETE SIDEWALK (SY)	644.1420 TEMPORARY PEDESDTRIAN SURFACE PLYWOOD (SF)
97+97	*to*	*103+95*	*Water & Santitary*	0020	-	-	10	60
103+95	*to*	*126+25*	*Water & Santitary*	0020	-	-	10	60
126+25	*to*	*127+25*	*Water & Santitary*	0020	-	-	-	-
127+25	*to*	*140+00*	*Water & Santitary*	0020	-	-	38	250
140+00	*to*	*150+77*	*Water & Santitary*	0020	-	-	91	536
150+77	*to*	*151+50*	*Water & Santitary*	0020	-	-	8	48
151+60	*to*	*152+53*	*Water & Santitary*	0020	-	-	43	208
151+60	*to*	*152+53*		0030	521	10	19	-
100'SB'+26	*to*	*101'SB'+39*	*Losey Blvd*	0030	521	-	-	-
TOTALS CATEGORY 0020					-	-	200	1162
TOTALS CATEGARY 0030					1042	10	19	-
TOTALS					1042	10	219	1162

BASE AGGREGATE DENSE

LOCATION				CATEGORY	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH (TON)	624.0100 WATER (MGAL)
151+60	*to*	*152+53*		0030	175	3.5
100'SB'+26	*to*	*101'SB'+39*	*Losey Blvd*	0030	175	3.5
TOTALS					**350**	**7**

TEMPORARY SHORING

LOCATION				CATEGORY	511.1100 TEMPORARY SHORING (SF)	NOTES
100'SB'+26	*to*	*101'SB'+39*	*Losey Blvd*	0030	1800	100 LF x 18' DEEP
TOTALS					**1800**	

STORM SEWER REMOVALS

LOCATION			CATEGORY	204.0210 REMOVING MANHOLES (EA)	204.0220 REMOVING INLETS (EA)	204.0245 REMOVING STORM SEWER 8-INCH (LF)	204.0245 REMOVING STORM SEWER 12-INCH (LF)	204.0245 REMOVING STORM SEWER 15-INCH (LF)	204.0245 REMOVING STORM SEWER 24-INCH (LF)	204.0245 REMOVING STORM SEWER 36-INCH (LF)	204.0255 ABANDONING CATCH BASINS (EA)	SPV.0035.101 ABANDON STORM SEWER (CY)
151+60	*to*	*END*	0030	6	3	10	148	91	8	78	1	2
TOTALS				6	3	10	148	91	8	78	1	2

ALL ITEMS ON THIS PAGE ARE CATEGORY 0030 UNLESS NOTED.

PAVEMENT

LOCATION				CATEGORY	415.0090 CONCRETE PAVEMENT 9-INCH (SY)	415.1090 CONCRETE PAVEMENT HES 9-INCH (SY)	416.0610 DRILLED TIE BARS (EA)	416.0620 DRILLED DOWEL BARS (EA)
151+60	*to*	*152+53*		0030	485	-	125	55
100'SB'+26	*to*	*101'SB'+39*	*Losey Blvd*	0030	-	525	70	55
TOTALS					**485**	**525**	**195**	**110**

CURB & GUTTER

LOCATION			CATEGORY	601.0417 CONCRETE CURB & GUTTER 30-INCH TYPE K (LF)
151+60	*to*	*152+53*	0030	125
TOTALS				**125**

SIDEWALK

LOCATION				CATEGORY	602.0405 CONCRETE SIDEWALK 4-INCH (SF)
151+60	*to*	*152+53*	*Islands*	0030	166
TOTALS					**166**

3

3

STORM SEWER CONNECTIONS

From STR	To STR	INVERT ELEV (FT)	DISCHARGE ELEV (FT)	SLOPE	520.8000 CONCRETE COLLARS FOR PIPE (EA)	SPV.0060.102 CONNECT TO EXISTING STORM SEWER STRUCTURE (EA)	SPV.0060.103 STORM SEWER PLUG 48-INCH (EA)
Existing	C 915	662.40	662.31	1.48%	1	-	-
Existing	VAULT	650.81	650.79	0.20%	1	-	-
VAULT	Existing	656.60	656.58	0.22%	1	-	-
Existing	VAULT	659.47	659.45	0.30%	1	-	-
VAULT	Cap End	650.75	650.42	0.50%	-	-	1
M 1120	Existing	650.55	650.53	0.27%	1	-	-
Existing CB	M 1120	663.31	663.21	1.00%	-	1	-
				TOTALS	**5**	**1**	**1**

STORM SEWER STRUCTURES

STR NAME	STATION	OFFSET	LT / RT	RIM ELEVATION	611.2005 Manholes 5-FT Diameter (EA)	611.2006 Manholes 6-FT Diameter (EA)	SPV.0060.106 Lacrosse Manhole, Small (EA)	SPV.0060.107 Lacrosse Manhole Covers, Small (EA)	SPV.0060.108 Lacrosse Catch Basin A (EA)	SPV.0060.109 Lacrosse Catch Basins Covers A (EA)	SPV.0060.101 Storm SewerVault 12-FT x 6-FT (EA)
C 1128	151+54.45	27.0	LT	665.97	-	-	-	-	1	1	-
M 1127	151+54.95	21.0	LT	666.10	-	-	1	1	-	-	-
C 915	152+26.26	27.2	RT	666.08	-	-	-	-	1	1	-
M 910	152+26.26	19.9	RT	666.22	1	-	-	1	-	-	-
C 1129A	152+29.46	55.2	LT	666.18	-	-	-	-	1	1	-
C 1129	152+36.74	29.5	LT	666.41	-	-	-	-	1	1	-
M 1126	152+37.02	24.0	LT	666.49	-	-	1	1	-	-	-
M 1125	152+54.24	24.0	LT	666.61	-	-	1	1	-	-	-
VAULT	152+79.36	22.6	RT	666.60	-	-	-	1	-	-	1
M 1120	152+90.21	37.2	LT	666.77	-	1	-	1	-	-	-
				TOTALS	**1**	**1**	**3**	**6**	**4**	**4**	**1**

STORM SEWER PIPES

From STR	To STR	INVERT ELEV (FT)	DISCHARGE ELEV (FT)	SLOPE	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH (LF)	608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH (LF)	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH (LF)	608.0336 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH (LF)	608.0436 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 36-INCH (LF)	608.0448 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 48-INCH (LF)
Existing	C 915	662.40	662.31	1.48%	6	-	-	-	-	-
C 915	M 910	662.31	662.05	3.53%	7	-	-	-	-	-
M 910	VAULT	660.05	660.00	0.10%	-	-	-	50	-	-
Existing	VAULT	650.81	650.79	0.20%	-	-	-	-	8	-
VAULT	Existing	656.60	656.58	0.22%	-	-	8	-	-	-
Existing	VAULT	659.47	659.45	0.30%	-	8	-	-	-	-
VAULT	Cap End	650.75	650.42	0.50%	-	-	-	-	-	65
VAULT	M 1120	650.75	650.55	0.33%	-	-	-	-	61	-
M 1120	Existing	650.55	650.53	0.27%	-	-	-	-	8	-
C 1128	M 1127	662.44	662.41	0.50%	6	-	-	-	-	-
M 1127	M 1126	662.41	662.00	0.50%	82	-	-	-	-	-
C 1129A	C 1129	662.32	662.06	1.00%	27	-	-	-	-	-
C 1129	M 1126	662.06	662.00	1.00%	5	-	-	-	-	-
M 1126	M 1125	661.75	661.58	1.00%	-	17	-	-	-	-
M 1125	M 1120	661.58	661.20	0.99%	-	38	-	-	-	-
Existing CB	M 1120	663.31	663.21	1.00%	10	-	-	-	-	-
				TOTALS	**143**	**63**	**8**	**50**	**77**	**65**

ALL ITEMS ON THIS PAGE ARE CATEGORY 0030
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EROSION CONTROL

LOCATION			CATEGORY	628.1905 MOBILIZATIONS EROSION CONTROL (EA)	628.7015 INLET PROTECTION TYPE C (EA)
151+60	*to*	*END*	0030	1	11
TOTALS				**1**	**11**

PAVEMENT MARKING

LOCATION			646.8220 MARKING ISLAND NOSE EPOXY (EA)	SPV.0060 .301 MARKING ARROW GROOVED EPOXY (EA)	SPV.0090 .301 MARKING CROSSWALK GROOVED EPOXY TRANSVERSE LINE 12-INCH (LF)	SPV.0090 .302 MARKING STOP LINE GROOVED EPOXY 12-INCH (LF)	SPV.0090 .304 MARKING LINE GROOVED EPOXY 4-INCH *YELLOW* (LF)	SPV.0090 .304 MARKING LINE GROOVED EPOXY 4-INCH *WHITE* (LF)	SPV.0090 .305 MARKING LINE GROOVED EPOXY 8-INCH (LF)
151+60	*to*	*152+53*	1	2	318	49	-	-	124
100'SB'+26	*to*	*101'SB'+39*	-	1	164	53	-	25	60
TOTALS			**1**	**3**	**482**	**102**		**25**	**184**

LOOP DETECTOR

LOCATION				CATEGORY	652.0800 CONDUIT LOOP DETECTOR (LF)	655.0800 LOOP DETECTOR WIRE (LF)
100'SB'+26	*to*	*101'SB'+39*	*Losey Blvd*	0030	32	105
TOTALS					**32**	**105**

CONSTRUCTION STAKING

LOCATION			CATEGORY	650.4000 CONSTRUCTION STAKING STORM SEWER (EA)	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER (LF)	650.7000 CONSTRUCTION STAKING CONCRETE PAVEMENT (LF)
PROJECT				10	-	
151+60	*to*	*152+53*	0030	-	90	93
100'SB'+26	*to*	*101'SB'+39*	0030	-	-	113
TOTALS				**10**	**90**	**206**

SAWING

LOCATION				CATEGORY	690.0250 SAWING CONCRETE (LF)
97+97	*to*	*103+95*	*Water and Sanitary*	0020	12
103+95	*to*	*126+25*	*Water and Sanitary*	0020	12
126+25	*to*	*127+25*	*Water and Sanitary*	0020	-
127+25	*to*	*140+00*	*Water and Sanitary*	0020	24
140+00	*to*	*150+77*	*Water and Sanitary*	0020	156
150+77	*to*	*151+60*	*Water and Sanitary*	0020	12
151+60	*to*	*152+53*	*Water and Sanitary*	0020	75
151+60	*to*	*152+53*		0030	536
100'SB'+26	*to*	*101'SB'+39*	*Losey Blvd*	0030	286
TOTALS CATEGORY 0020					**291**
TOTALS CATEGORY 0030					**822**
TOTALS					**1113**

ALL ITEMS ON THIS PAGE ARE CATEGORY 0030 UNLESS NOTED.

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REMOVE EXISTING WATER MAIN

STA	-	STA	SPV.0090.201 REMOVE EXISTING WATER MAIN (LF)	SPV.0060.201 REMOVE EXISTING HYDRANT (EACH)	REMARKS
108+71	-	109+20	78	-	HYDRANT LEAD
108+81.2 RT			-	1	
140+16	-	141+87	194	-	HILLVIEW AVE TO 22ND ST (SOUTH)
145+44	-	146+69	186	-	23RD ST (SOUTH) TO 23RD ST (NORTH)
149+02	-	149+95	133	-	24TH ST (SOUTH) TO 24TH ST (NORTH)
		TOTALS	591	1	

WATER MAIN AND CONNECTIONS

				DUCTILE IRON WATER MAIN						CONNECT TO EXISTING						
STA	-	STA	LOCATION	SPV.0090.209 6-INCH (LF)	SPV.0090.208 8-INCH (LF)	SPV.0090.207 16-INCH (LF)	SPV.0090.206 18-INCH (LF)	SPV.0090.205 20-INCH (LF)	SPV.0090.204 24-INCH (LF)	SPV.0060.219 6-INCH WATER MAIN (EACH)	SPV.0060.218 8-INCH WATER MAIN (EACH)	SPV.0060.217 18-INCH WATER MAIN (EACH)	SPV.0060.216 20-INCH WATER MAIN (EACH)	SPV.0060.215 24-INCH WATER MAIN (EACH)	612.0902.S* INSULATION BOARD POLYSTYRENE 2-INCH (SY)	REMARKS
102+89	-	103+04	LT 13'	-	15	-	-	-	-	-	1	-	-	-	-	
102+99			LT & RT	36	-	-	-	-	-	-	-	-	-	-	-	SOUTH TO DEAD END
105+58.3			LT 39'	-	-	-	-	-	-	1	-	-	-	-	-	
107+36			LT 13'	44	-	-	-	-	-	1	-	-	-	-	-	SOUTH TO PROPOSED FIREHOUSE
109+09			LT 13'	-	-	-	-	-	-	1	-	-	-	-	-	
111+62			LT 13'	-	-	-	-	-	-	1	-	-	-	-	-	
115+60.6			LT 13'	-	-	-	-	-	-	1	-	-	-	-	-	
119+87.3			LT 13'	-	-	-	-	-	-	1	-	-	-	-	-	
123+80.7			LT 13'	-	-	-	-	-	-	-	1	-	-	-	-	
126+22	-	126+58	LT 13'	-	36	-	-	-	-	-	1	-	-	-	-	
126+32			LT	8	-	-	-	-	-	1	-	-	-	-	-	EAST AVE (SOUTH)
131+50			LT 13'	-	-	-	-	-	-	-	1	-	-	-	-	
133+80	-	133+97	LT	-	18	-	-	-	-	-	1	-	-	-	-	
133+97	-	152+13	LT	-	-	1816	-	-	-	-	1	-	-	-	-	
134+03			LT & RT	-	-	-	31	-	-	-	-	1	-	-	-	
135+59			LT & RT	-	-	-	-	-	25	-	-	-	-	1	-	
135+72			LT & RT	-	-	-	-	25	-	-	-	-	1	-	-	
140+16			LT	30	-	-	-	-	-	1	-	-	-	-	-	HILLVIEW AVE
141+87			LT & RT	52	-	-	-	-	-	1	-	-	-	-	8	22ND ST (SOUTH)
143+57			LT	44	-	-	-	-	-	1	-	-	-	-	8	22ND ST (NORTH)
145+45			LT & RT	69	-	-	-	-	-	1	-	-	-	-	8	23RD ST (SOUTH)
146+69			LT	47	-	-	-	-	-	1	-	-	-	-	8	23RD ST (NORTH)
149+07			LT & RT	52	-	-	-	-	-	-	-	-	-	-	8	24TH ST (SOUTH)
149+01			RT 40'	-	-	-	-	-	-	1	-	-	-	-	-	24TH ST (SOUTH)
149+95			LT	35	-	-	-	-	-	1	-	-	-	-	8	24TH ST (NORTH)
152+13	-	152+26	LT 14'	-	13	-	-	-	-	-	1	-	-	-	-	
152+69	-	152+79	LT 14'	10	-	-	-	-	-	1	-	-	-	-	-	
152+79	-	153+01	LT	84	-	-	-	-	-	1	-	-	-	-	8	LOSEY BLVD
UNDISTRIBUTED			-	-	-	-	-	-	-	-	-	-	-	-	14	
			TOTALS	511	82	1816	31	25	25	16	7	1	1	1	70	

*SHOWN ELSEWHERE IN PLANS

ALL ITEMS ON THIS PAGE ARE CATEGORY 0020
UNLESS NOTED.

WATER SERVICES

ADDRESS	CORPORATION STOP SPV.0060.202 1-INCH (EACH)	CORPORATION STOP SPV.0060.203 1 1/4-INCH (EACH)	CURB STOP SPV.0060.204 1-INCH (EACH)	CURB STOP SPV.0060.205 1 1/4-INCH (EACH)	COPPER WATER SERVICE SPV.0090.202 1-INCH (LF)	COPPER WATER SERVICE SPV.0090.203 1 1/4-INCH (LF)
702 HILLVIEW AVE	1	-	1	-	19	-
2103 LA CROSSE ST	1	-	1	-	19	-
2111 LA CROSSE ST	1	-	1	-	19	-
2121 LA CROSSE ST	-	1	-	1	-	19
2201 LA CROSSE ST	1	-	1	-	19	-
2205 LA CROSSE ST	1	-	1	-	19	-
2209 LA CROSSE ST	1	-	1	-	19	-
2215 LA CROSSE ST	1	-	1	-	19	-
2219 LA CROSSE ST	1	-	1	-	19	-
2305 LA CROSSE ST	1	-	1	-	19	-
2311 LA CROSSE ST	1	-	1	-	19	-
2315 LA CROSSE ST	1	-	1	-	19	-
2319 LA CROSSE ST	1	-	1	-	19	-
2411 LA CROSSE ST	1	-	1	-	19	-
707 LOSEY BLVD	1	-	1	-	35	-
TOTALS	14	1	14	1	282	19

FIRE HYDRANTS

STA	LOCATION	SPV.0060.206 HYDRANT (EACH)	SPV.0060.207 HYDRANT CONTROL VALVE 6-INCH (EACH)	SPV.0090.210 DUCTILE IRON HYDRANT LEAD 6-INCH (LF)	SPV.0060.208 SALVAGE & RE-INSTALL FIRE HYDRANT (EACH)	REMARKS
105+72.3	LT 39.4'	-	1	14	1	CONNECT TO EXISTING TEE
109+09.3	LT 24.0'	1	1	11	-	INSTALL TEE IN EXISTING 6" WM
111+62.0	LT 25.0'	-	1	12	1	CONNECT TO EXISTING TEE
115+61.1	LT 25.2'	-	1	12	1	CONNECT TO EXISTING TEE
119+87.3	LT 25.0'	-	1	12	1	CONNECT TO EXISTING TEE
123+80.7	LT 25.0'	1	1	12	-	CONNECT TO EXISTING 8" WM
126+39.5	LT 25.0'	-	1	12	1	
131+50.1	LT 25.0'	-	1	12	1	CONNECT TO EXISTING TEE
135+95.3	LT 25.5'	-	1	15	1	
139+52.4	LT 25.6'	-	1	15	1	
143+12.5	LT 25.0'	-	1	14	1	
146+89.6	LT 25.0'	-	1	14	1	
160+03.3	LT 40.0'	-	1	11	1	
	TOTALS	2	13	166	11	

ADJUSTING WATER VALVES

STA	LOCATION	SPV.0060.232 ADJUSTING WATER VALVES (EACH)	REMARKS
105+59.2	LT 10.6'	1	
105+58.4	LT 35.4'	1	
109+51.5	LT 13.0'	1	
119+42.6	LT 13.0'	1	MH
120+04.8	LT 13.0'	1	MH
119+90.6	RT 30.6'	1	
123+78.3	RT 32.5'	1	IN SIDEWALK
126+35.6	RT 32.8'	1	IN SIDEWALK
	TOTALS	8	

CONTROL VALVES

STA	LOCATION	SPV.0060.214 R.S. WEDGE VALVE 6-INCH (EACH)	SPV.0060.213 R.S. WEDGE VALVE 8-INCH (EACH)	SPV.0060.212 R.S. WEDGE VALVE 16-INCH (EACH)	SPV.0060.211 R.S. WEDGE VALVE 18-INCH (EACH)	SPV.0060.210 R.S. WEDGE VALVE 20-INCH (EACH)	SPV.0060.209 R.S. WEDGE VALVE 24-INCH (EACH)	REMARKS
102+93.6	LT 13.0'	-	1	-	-	-	-	
102+98.7	RT 15.0'	1	-	-	-	-	-	
105+54.2	LT 13.0'	-	1	-	-	-	-	CUT IN GATE VALVE
107+36.1	RT 23.6'	1	-	-	-	-	-	
115+46.7	LT 13.0'	1	-	-	-	-	-	CUT IN GATE VALVE
126+27.2	LT 13.0'	-	1	-	-	-	-	
133+92.9	LT 10.5'	-	1	-	-	-	-	
134+07.9	LT 10.5'	-	-	1	-	-	-	
134+03.2	LT 16.5'	-	-	-	1	-	-	
134+02.6	LT 0.5'	-	-	-	1	-	-	
135+59.1	RT 1.0'	-	-	-	-	-	1	
135+64.9	LT 10.5'	-	-	1	-	-	-	
135+71.6	RT 1.0'	-	-	-	-	1	-	
135+76.6	LT 10.5'	-	-	1	-	-	-	
140+16.6	LT 33.8'	1	-	-	-	-	-	HILLVIEW AVE (NORTH)
141+87.0	RT 28.0'	1	-	-	-	-	-	22ND ST (SOUTH)
143+09.2	LT 11.0'	-	-	1	-	-	-	
143+46.4	LT 26.0'	1	-	-	-	-	-	22ND ST (NORTH)
145+53.8	RT 2.5'	1	-	-	-	-	-	23RD ST (SOUTH)
146+58.7	LT 26.9'	1	-	-	-	-	-	23RD ST (NORTH)
146+83.4	LT 11.0'	-	-	1	-	-	-	
149+01.9	RT 35.0'	1	-	-	-	-	-	24TH ST (SOUTH)
149+95.1	LT 43.1'	1	-	-	-	-	-	24TH ST (NORTH)
152+15.0	LT 14.0'	-	-	1	-	-	-	
152+98.0	LT 2.5'	1	-	-	-	-	-	LOSEY BLVD
	TOTALS	11	4	6	2	1	1	

NOTE: GATE VALVE CONNECTIONS TO EXISTING WATERMAIN ARE INCIDENTAL

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WATER MAIN FITTINGS

STATION	LOCATION	REDUCERS	TEES			CROSSES			11.25 DEGREE BENDS		22.5 DEGREE BENDS		45 DEGREE BENDS	90 DEGREE BENDS
		SPV.0060.220 16 TO 8-INCH (EACH)	SPV.0060.223 6 X 6-INCH (EACH)	SPV.0060.222 8 X 6-INCH (EACH)	SPV.0060.221 16 X 6-INCH (EACH)	SPV.0060.224 18 X 16-INCH (EACH)	SPV.0060.225 20 X 16-INCH (EACH)	SPV.0060.226 24 X 16-INCH (EACH)	SPV.0060.227 6-INCH (EACH)	SPV.0060.228 16-INCH (EACH)	SPV.0060.229 6-INCH (EACH)	SPV.0060.230 8-INCH (EACH)	SPV.0060.243 6-INCH (EACH)	SPV.0060.231 6-INCH (EACH)
102+98.6	LT 13.0'	-	-	1	-	-	-	-	-	-	-	-	-	-
107+36.0	LT 13.0'	-	-	1	-	-	-	-	-	-	-	-	-	-
109+09.3	LT 13.0'	-	1	-	-	-	-	-	-	-	-	-	-	-
123+80.7	LT 13.0'	-	-	1	-	-	-	-	-	-	-	-	-	-
126+32.1	LT 13.0'	-	-	1	-	-	-	-	-	-	-	-	-	-
126+39.5	LT 13.0'	-	-	1	-	-	-	-	-	-	-	-	-	-
133+82.1	LT 13.0'	-	-	-	-	-	-	-	-	-	-	1	-	-
133+88.2	LT 10.5'	-	-	-	-	-	-	-	-	-	-	1	-	-
133+97.3	LT 10.5'	1	-	-	-	-	-	-	-	-	-	-	-	-
134+02.9	LT 10.5'	-	-	-	-	1	-	-	-	-	-	-	-	-
135+59.1	LT 10.5'	-	-	-	-	-	-	1	-	-	-	-	-	-
135+71.6	LT 10.5'	-	-	-	-	-	1	-	-	-	-	-	-	-
135+95.3	LT 10.5'	-	-	-	1	-	-	-	-	-	-	-	-	-
139+52.4	LT 10.5'	-	-	-	1	-	-	-	-	-	-	-	-	-
140+16.3	LT 11.0'	-	-	-	1	-	-	-	-	-	-	-	-	-
141+87.4	LT 11.0'	-	-	-	1	-	-	-	-	-	-	-	-	-
143+12.5	LT 11.0'	-	-	-	1	-	-	-	-	-	-	-	-	-
143+46.4	LT 11.0'	-	-	-	1	-	-	-	-	-	-	-	-	-
143+46.4	LT 35.9'	-	-	-	-	-	-	-	-	-	-	-	1	-
143+57.4	LT 46.7'	-	-	-	-	-	-	-	-	-	-	-	1	-
145+44.3	RT 51.1'	-	-	-	-	-	-	-	-	-	-	-	1	-
145+53.4	RT 42.2'	-	-	-	-	-	-	-	-	-	-	-	1	-
145+54.0	LT 11.0'	-	-	-	1	-	-	-	-	-	-	-	-	-
146+58.7	LT 11.0'	-	-	-	1	-	-	-	-	-	-	-	-	-
146+58.7	LT 39.6'	-	-	-	-	-	-	-	-	-	-	-	1	-
146+69.6	LT 50.2'	-	-	-	-	-	-	-	-	-	-	-	1	-
146+89.6	LT 11.0'	-	-	-	1	-	-	-	-	-	-	-	-	-
149+07.4	LT 11.0'	-	-	-	1	-	-	-	-	-	-	-	-	-
149+02.0	RT 30.0'	-	-	-	-	-	-	-	-	-	1	-	-	-
149+07.1	RT 18.0'	-	-	-	-	-	-	-	-	-	1	-	-	-
149+94.6	LT 11.0'	-	-	-	1	-	-	-	-	-	-	-	-	-
149+95.0	LT 40.1'	-	1	-	-	-	-	-	-	-	-	-	-	-
151+97.5	LT 11.6'	-	-	-	-	-	-	-	-	1	-	-	-	-
152+09.3	LT 14.0'	-	-	-	-	-	-	-	-	1	-	-	-	-
152+16.0	LT 14.0'	1	-	-	-	-	-	-	-	-	-	-	-	-
152+78.5	LT 14.0'	-	1	-	-	-	-	-	-	-	-	-	-	-
152+78.5	LT 2.5'	-	-	-	-	-	-	-	-	-	-	-	-	1
152+78.5	LT 22.2'	-	-	-	-	-	-	-	1	-	-	-	-	-
152+81.7	LT 43.3'	-	-	-	-	-	-	-	-	-	1	-	-	-
152+88.6	LT 51.9'	-	-	-	-	-	-	-	-	-	1	-	-	-
	TOTALS	2	3	5	11	1	1	1	1	2	4	2	6	1

ALL ITEMS ON THIS PAGE ARE CATEGORY 0020
UNLESS NOTED.

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SANITARY SEWER MAIN

STA - STA	SPV.0090.255 SEWER MAIN 8 INCH (LF)	SPV.0090.256 SEWER MAIN 10 INCH (LF)	SPV.0090.257 SEWER MAIN 12 INCH (LF)	SPV.0090.258 SEWER MAIN 15 INCH (LF)	612.0902.S* INSULATION BOARD POLYSTYRENE 2-INCH (SY)	REMARKS
100+06.0	-	8	-	-	-	PROP SAN MH 1 -EX 10" MAIN SE
100+06.0	-	-	8	-	-	PROP SAN MH 1 - EX 12" MAIN W
100+06.0 - 103+23.0	-	-	317	-	-	PROP SAN MH 1 - PROP SAN MH 2
103+23.0 - 105+49.4	-	-	226	-	-	PROP SAN MH 2 - PROP SAN MH 3
105+49.4	-	51	-	-	-	PROP SAN MH 3 - EX 10" MAIN N
105+49.4 - 108+90.0	-	-	341	-	-	PROP SAN MH 3 - PROP SAN MH 4
108+90.0 - 110+60.0	-	-	170	-	-	PROP SAN MH 4 - PROP SAN MH 5
110+60.0 - 112+91.5	-	-	232	-	-	PROP SAN MH 5 - PROP SAN MH 6
112+91.5 - 115+23.3	-	-	232	-	-	PROP SAN MH 6 - PROP SAN MH 7
115+23.3 - 115+56.7	-	-	34	-	-	PROP SAN MH 7 - PROP SAN MH 8
115+56.7	-	-	-	8	-	PROP SAN MH 8 - EX 15" MAIN S
119+79.1	-	8	-	-	-	PROP SAN MH 11 - EX 10" MAIN S
123+66.8	-	-	8	-	-	PROP SAN MH 14 - EX 12" MAIN S
126+40.4	-	37	-	-	20	PROP SAN MH 15 - EX 10" MAIN S
126+40.4 - 126+79.8	-	40	-	-	20	PROP SAN MH 15 - PROP SAN MH 16
126+79.8 - 127+50.0	-	70	-	-	30	PROP SAN MH 16 - PROP SAN MH 17
127+50.0 - 130+75.0	-	325	-	-	90	PROP SAN MH 17 - PROP SAN MH 19
141+74.9	-	20	-	-	-	PROP SAN MH 26 - EX 10" MAIN S
145+37.1	30	-	-	-	-	PROP SAN MH 27 - EX 8" MAIN S
147+27.0 - 148+89.0	162	-	-	-	-	PROP SAN MH 21 - PROP SAN MH 22
148+89.0 - 149+43.6	55	-	-	-	-	PROP SAN MH 22 - PROP SAN MH 23
148+89.0	35	-	-	-	-	PROP SAN MH 22 - PROP SAN MH 24
148+89.0	8	-	-	-	-	PROP SAN MH 24 - EX 8" MAIN S
152+62.4	-	8	-	-	-	PROP SAN MH 25 - EX 10" MAIN N
152+62.4	-	-	8	-	-	PROP SAN MH 25 - EX 12" MAIN S
TOTALS	289	567	1576	8	160	

*SHOWN ELSEWHERE IN PLANS

ALL ITEMS ON THIS PAGE ARE CATEGORY 0010
UNLESS NOTED.

SANITARY SEWER LATERAL

STATION	LOCATION	SANITARY SEWER LATERALS				SANITARY SEWER WYE PVC				
		SPV.0090.252	SPV.0090.253	SPV.0090.254	612.0902.S*	SPV.0060.237	SPV.0060.238	SPV.0060.241	SPV.0060.239	SPV.0060.240
		4-INCH (LF)	6-INCH (LF)	8-INCH (LF)	INSULATION BOARD POLYSTYRENE 2-INCH (SY)	12-INCH X 4-INCH (EACH)	12-INCH X 6-INCH (EACH)	12-INCH X 8-INCH (EACH)	10-INCH X 4-INCH (EACH)	8-INCH X 4-INCH (EACH)
100+53	RT	6	-	-	-	1	-	-	-	-
100+99	LT	10	-	-	-	1	-	-	-	-
101+05	RT	6	-	-	-	1	-	-	-	-
101+47	LT	10	-	-	-	1	-	-	-	-
101+49	RT	6	-	-	-	1	-	-	-	-
101+60	RT	6	-	-	-	1	-	-	-	-
102+09	LT	17	-	-	-	1	-	-	-	-
102+53	LT	15	-	-	-	1	-	-	-	-
102+56	LT	-	15	-	-	-	1	-	-	-
102+84	RT	6	-	-	-	1	-	-	-	-
103+14	RT	6	-	-	-	1	-	-	-	-
103+16	LT	11	-	-	-	1	-	-	-	-
103+54	LT	10	-	-	-	1	-	-	-	-
103+74	RT	6	-	-	-	1	-	-	-	-
104+06	RT	24	-	-	-	1	-	-	-	-
104+17	LT	28	-	-	-	1	-	-	-	-
104+84	LT	28	-	-	-	1	-	-	-	-
104+97	RT	24	-	-	-	1	-	-	-	-
105+34	RT	24	-	-	-	1	-	-	-	-
106+31	LT	28	-	-	-	1	-	-	-	-
107+17	RT	-	-	31	-	-	-	1	-	-
109+03	RT	24	-	-	-	1	-	-	-	-
109+14	RT	24	-	-	-	1	-	-	-	-
109+40	LT	30	-	-	-	1	-	-	-	-
109+56	RT	21	-	-	-	1	-	-	-	-
109+87	RT	19	-	-	-	1	-	-	-	-
110+69	RT	14	-	-	-	1	-	-	-	-
111+14	RT	14	-	-	-	1	-	-	-	-
111+17	RT	14	-	-	-	1	-	-	-	-
112+46	RT	14	-	-	-	1	-	-	-	-
113+13	RT	14	-	-	-	1	-	-	-	-
113+75	RT	14	-	-	-	1	-	-	-	-
114+04	RT	14	-	-	-	1	-	-	-	-
114+45	RT	14	-	-	-	1	-	-	-	-
114+77	RT	14	-	-	-	1	-	-	-	-
115+05	RT	14	-	-	-	1	-	-	-	-
126+82	RT	25	-	-	12	-	-	-	1	-
126+99	RT	25	-	-	12	-	-	-	1	-
127+38	RT	25	-	-	12	-	-	-	1	-
127+88	RT	25	-	-	12	-	-	-	1	-
128+17	RT	25	-	-	12	-	-	-	1	-
128+95	RT	25	-	-	12	-	-	-	1	-
130+66	RT	25	-	-	12	-	-	-	1	-
147+68	LT	28	-	-	-	-	-	-	-	1
147+84	LT	28	-	-	-	-	-	-	-	1
148+51	LT	28	-	-	-	-	-	-	-	1
149+03	LT	29	-	-	-	-	-	-	-	1
		817	15	31	84	34	1	1	7	4

ALL ITEMS ON THIS PAGE ARE CATEGORY 0010 UNLESS NOTED.

SANITARY SEWER MANHOLES

PROPOSED SANITARY MANHOLE	STATION	LOCATION	SPV.0060.234 MANHOLE-48 INCH ID (EACH)	SPV.0060.235 MANHOLE 48-INCH ID PROTECTIVE COATED (EACH)	SPV.0060.233 INSTALL MANHOLE COVERS (EACH)
1	100+06.0	LT 1.4'	1	-	1
2	103+23.0	RT 0.0'	1	-	1
3	105+49.4	RT 0.0'	1	-	1
4	108+90.0	RT 1.0'	1	-	1
5	110+60.0	RT 12.5'	1	-	1
6	112+91.5	RT 12.5'	1	-	1
7	115+23.3	RT 12.4'	1	-	1
8	115+56.7'	RT 32.1'	1	-	1
11	119+79.1	RT 50.5'	1	-	1
14	123+66.8	RT 39.9'	1	-	1
15	126+40.4	RT 0.3'	1	-	1
16	126+79.8	RT 0.4'	-	1	1
17	127+50.0	RT 1.7'	1	-	1
19	130+75.0	RT 0.9'	1	-	1
21	147+27.0	RT 1.0'	1	-	1
22	148+89.0	RT 1.0'	1	-	1
23	149+43.6	RT 6.0'	1	-	1
24	148+88.7	RT 35.6'	1	-	1
25	152+62.4	RT 17.2'	1	-	1
26	141+74.9	RT 35.3'	1	-	1
27	145+37.1	RT 25.7'	1	-	1
		TOTALS	20	1	21

CONNECT EXISTING 4-INCH FORCE MAIN TO DISCHARGE MH

STA	LOCATION	SPV.0060.252 CONNECT EXISTING 4-INCH FORCE TO DISCHARGE MH EACH
126+79.8	RT 0.4'	1
	TOTALS	1

SANITARY SEWER MANHOLES REMOVALS

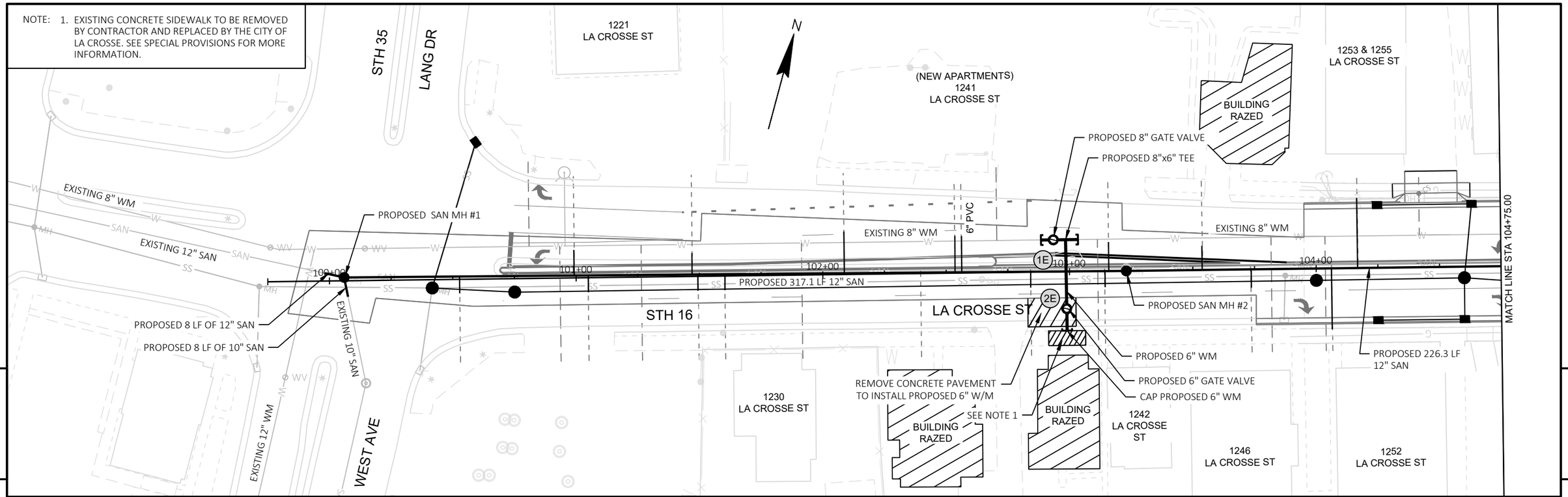
EXISITNG SANITARY MANHOLE	STATION	LOCATION	SPV.0060.236 MANHOLE REMOVAL (EACH)
4	107+98.3	LT 1.7'	1
5	108+34.4	RT 8.1'	1
6	111+51.9	RT 8.0'	1
7	115+18.0	RT 8.1'	1
9	115+86.7	RT 6.1'	1
10	119+75.7	RT 5.6'	1
12	122+17.8	RT 5.8'	1
13	123+64.31	RT 6.6'	1
16	126+80.5	RT 12.2'	1
17	127+17.9	RT 9.6'	1
18	127+61.5	RT 9.2'	1
19	130+27.6	RT 13.2'	1
20	130+66.1	RT 13.2'	1
		TOTALS	13

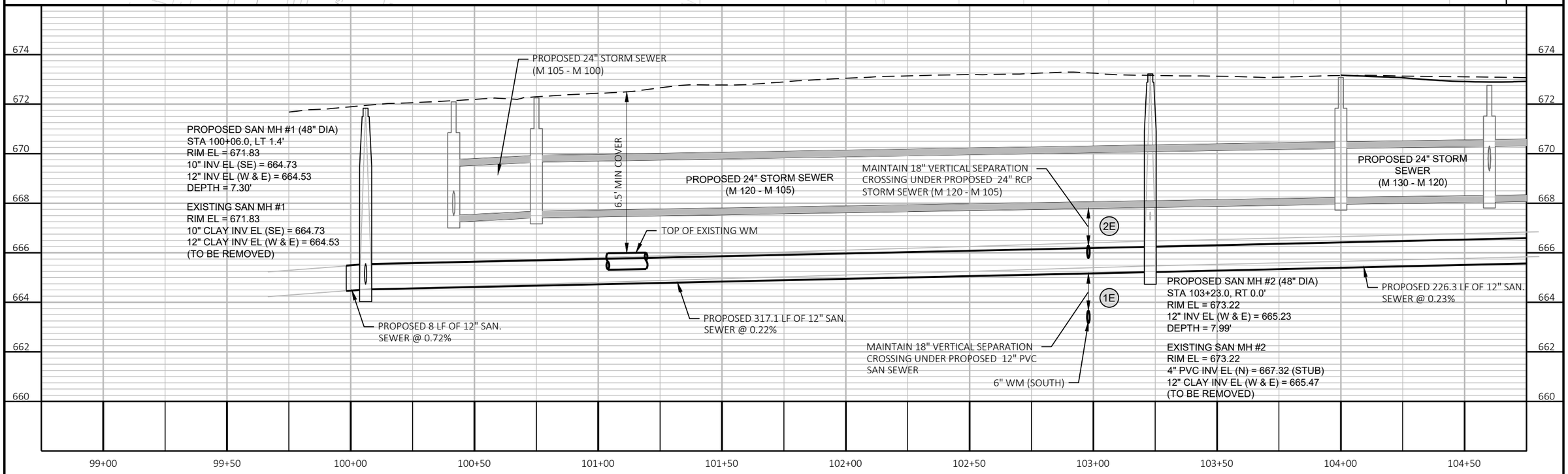
REMOVING EXISTING SANITARY SEWER MAIN

STA	-	STA	SPV.0090.251 SANITARY SEWER REMOVAL (LF)	SPV.0090.259 ABANDON SANITARY SEWER PIPE (LF)	REMARKS
107+98.3	-	108+34.4	38	-	EX SAN MH 4 - EX SAN MH 5
108+34.4	-	111+51.9	318	-	EX SAN MH 5 - EX SAN MH 6
111+51.9	-	115+18.1	366	-	EX SAN MH 6 - EX SAN MH 7
115+56.7	-	115+86.7	38	-	EX SAN MH 8 - EX SAN MH 9
115+86.7	-	119+75.7	389	-	EX SAN MH 9 - EX SAN MH 10
	119+75.7		45	-	EX SAN MH 10 - EX SAN MH 11
119+75.7	-	122+17.8	242	-	EX SAN MH 10 -EX SAN MH 12
	123+64.3		33	-	EX SAN MH 13 - PROP SAN MH 14
126+41.5	-	126+80.5	39	-	EX SAN MH 15 - EX SAN MH 16
126+80.5	-	127+17.9	38	-	EX SAN MH 16 - EX SAN MH 17
127+17.9	-	127+61.5	45	-	EX SAN MH 17 - EX SAN MH 18
127+61.5	-	130+27.6	266	-	EX SAN MH 18 - EX SAN MH 19
130+27.6	-	130+66.1	39	-	EX SAN MH 19 - EX SAN MH 20
147+68.0	-	149+03.0	-	135	EXISTING 4" PRIVATE MAIN
		TOTALS	1896	135	

ALL ITEMS ON THIS PAGE ARE CATEGORY 0010 UNLESS NOTED.

NOTE: 1. EXISTING CONCRETE SIDEWALK TO BE REMOVED BY CONTRACTOR AND REPLACED BY THE CITY OF LA CROSSE. SEE SPECIAL PROVISIONS FOR MORE INFORMATION.



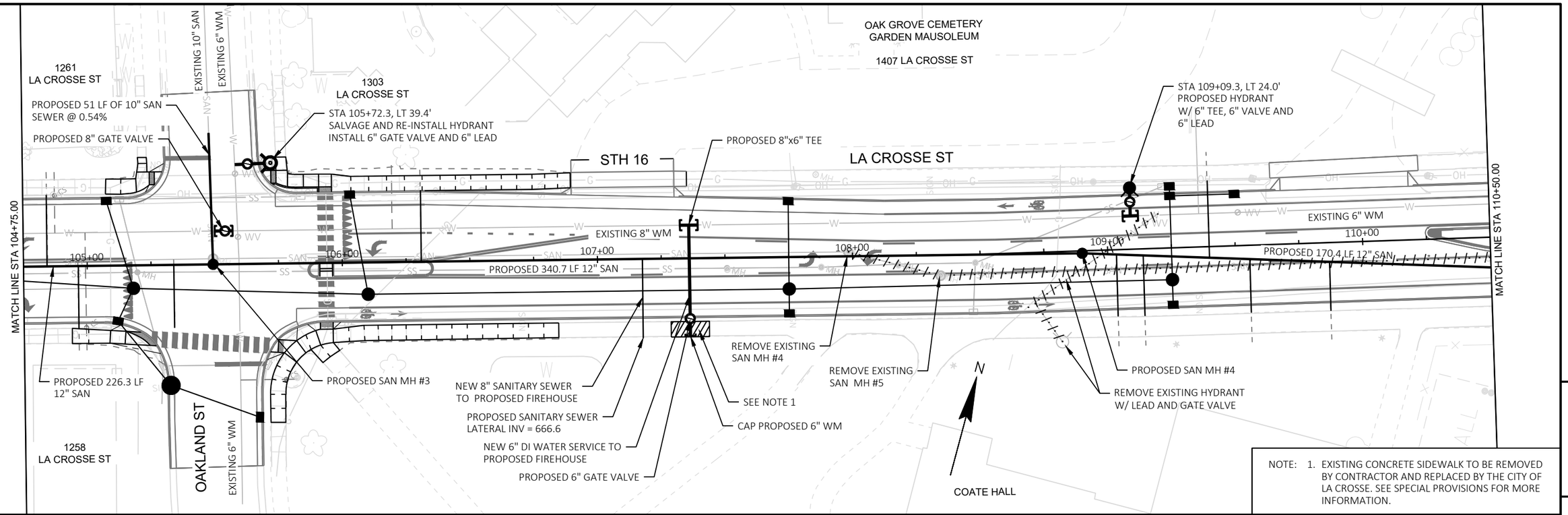


PROJECT NO: 7575-07-83	HWY: STH 16	COUNTY: LA CROSSE	PLAN AND PROFILE: LA CROSSE ST	SHEET 33	E

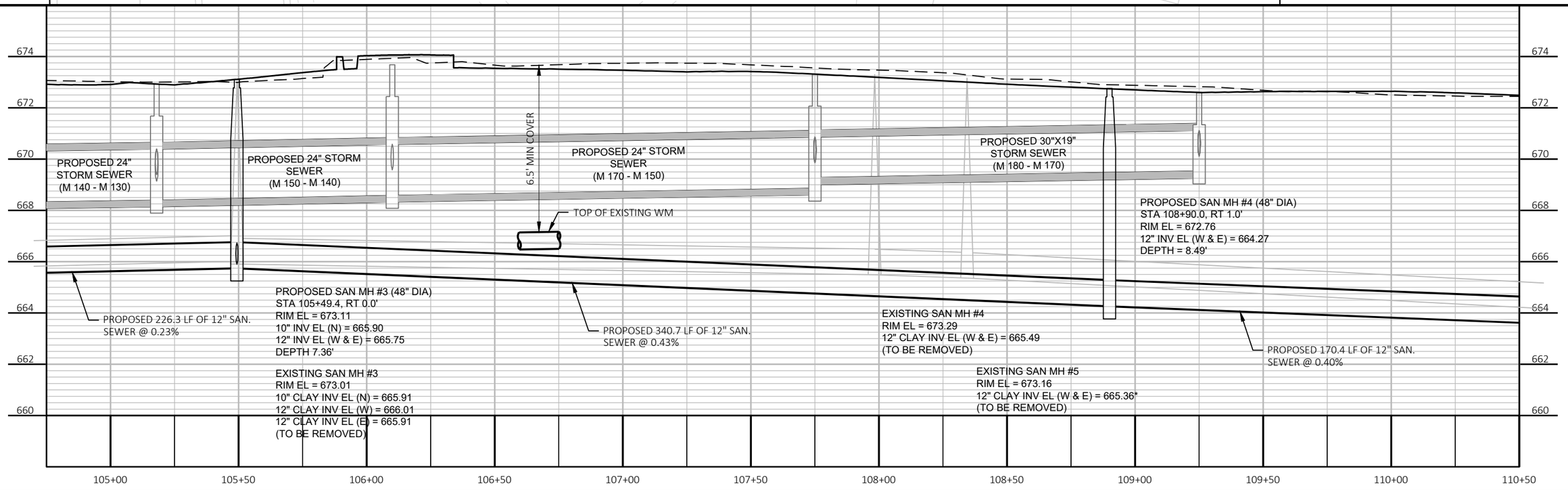
FILE NAME : X:\1203500\192601.01\TECH\CAD\75750773\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 01

PLOT DATE : 10/24/2021 2:25 PM PLOT BY : JEFF BREU PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



NOTE: 1. EXISTING CONCRETE SIDEWALK TO BE REMOVED BY CONTRACTOR AND REPLACED BY THE CITY OF LA CROSSE. SEE SPECIAL PROVISIONS FOR MORE INFORMATION.



PROJECT NO: 7575-07-83	HWY: STH 16	COUNTY: LA CROSSE	PLAN AND PROFILE: LA CROSSE ST	SHEET 34	E

OAK GROVE CEMETERY

STA 111+62.0, LT 25.0'
SALVAGE AND RE-INSTALL HYDRANT
INSTALL 6" GATE VALVE AND 6" LEAD

STA 115+61.1, LT 25.2'
SALVAGE AND RE-INSTALL HYDRANT
INSTALL 6" GATE VALVE AND 6" LEAD

PROPOSED 6" GATE VALVE

REMOVE EXISTING
SAN MH #9

MATCH LINE STA 110+50.00

EXISTING 6" WM

STH 16

LA CROSSE ST

EXISTING 6" WM

111+00 112+00 113+00 114+00 115+00 116+00

PROPOSED 231.5 LF 12" SAN

PROPOSED 231.5 LF 12" SAN

MATCH LINE STA 116+25.00

PROPOSED SAN MH #5

REMOVE EXISTNG SAN MH #6

PROPOSED SAN MH #6

REMOVE EXISTING SAN MH #7

PROPOSED SAN MH #7

PROPOSED 34.4 LF 12" SAN

PROPOSED 8 LF 15" SAN
SEWER @ 0.30%

PROPOSED SAN MH #8

EXISTING 15" SAN

EXISTING 6" WM

EAGLE HALL

N

NOTE: 1. EXISTING CONCRETE SIDEWALK TO BE REMOVED BY CONTRACTOR AND REPLACED BY THE CITY OF LA CROSSE. SEE SPECIAL PROVISIONS FOR MORE INFORMATION.

EXISTING SAN MH #9
RIM EL = 671.10
12" CLAY INV EL (SW & E) = 661.42*
(TO BE REMOVED)

PROPOSED 24" STORM SEWER
(C 325 - C 310)

672 670 668 666 664 662 660 658

PROPOSED 24"
STORM SEWER
(M 230 - C 214)

6.5' MIN COVER

EXISTING SAN MH #6
RIM EL = 672.28
12" CLAY INV EL (W & E) = 663.68
(TO BE REMOVED)

TOP OF EXISTING WM

PROPOSED 24"
STORM SEWER
(C 340 - C 330)

PROPOSED 24" STORM
SEWER
(C 330 - C 325)

PROPOSED SAN MH #5 (48" DIA)
STA 110+60.0, RT 12.5'
RIM EL = 672.29
12" INV EL (W & E) = 663.59
DEPTH = 8.70'

PROPOSED SAN MH #6 (48" DIA)
STA 112+91.5, RT 12.5'
RIM EL = 671.58
12" INV EL (W & E) = 662.66
DEPTH = 8.92'

EXISTING SAN MH #7
RIM EL = 671.30
12" CLAY INV EL (W & SE) = 662.60
(TO BE REMOVED)

EXISTING SAN MH #8
RIM EL = 671.64
12" CLAY INV EL (NE) = 661.44
12" CLAY INV EL (NW) = 661.34
15" CLAY INV EL (S) = 661.34
(TO BE REMOVED)

PROPOSED 170.4 LF OF 12" SAN.
SEWER @ 0.40%

PROPOSED 231.5 LF OF 12" SAN.
SEWER @ 0.40%

PROPOSED 231.5 LF OF 12" SAN.
SEWER @ 0.40%

PROPOSED SAN MH #7 (48" DIA)
STA 115+23.3, RT 12.4'
RIM EL = 670.90
12" INV EL (W & SE) = 661.73
DEPTH = 9.17'

PROPOSED 34.4 LF OF 12" SAN.
SEWER @ 0.41%

PROPOSED SAN MH #8 (48" DIA)
STA 115+56.7, RT 32.1'
RIM EL = 671.64
12" INV EL (NW) = 661.59
15" INV EL (S) = 661.34
DEPTH = 10.30'

110+50 111+00 111+50 112+00 112+50 113+00 113+50 114+00 114+50 115+00 115+50 116+00

PROJECT NO: 7575-07-83	HWY: STH 16	COUNTY: LA CROSSE	PLAN AND PROFILE: LA CROSSE ST	SHEET 35	E

NOTE: 1. EXISTING CONCRETE SIDEWALK TO BE REMOVED BY CONTRACTOR AND REPLACED BY THE CITY OF LA CROSSE. SEE SPECIAL PROVISIONS FOR MORE INFORMATION.

OAK GROVE CEMETERY

STA 119+87.3', LT 25.0'
SALVAGE AND RE-INSTALL HYDRANT
INSTALL 6" GATE VALVE AND 6" LEAD

MATCH LINE STA 116+25.00

EXISTING 6" WM

117+00 118+00 119+00 120+00 121+00 122

STH 16

LA CROSSE ST

EXISTING 6" WM

MATCH LINE STA 122+00.00

REMOVE EXISTING SAN MH #10

PROPOSED SAN MH #11

PROPOSED 8 LF 10" SAN
SEWER @ 0.32%

16TH ST N

EXISTING 10" SAN

EXISTING 6" WM

PARKING LOT
R-3

PARKING LOT
C-7

BUILDING
RAZED

NEW PARKING
RAMP

N

5

5

EXISTING SAN MH #10
RIM EL = 668.74
12" CLAY INV EL (W) = 662.59*
10" CLAY INV EL (E) = 660.62*
10" CLAY INV EL (S) = 660.14
(TO BE REMOVED)

PROPOSED 24" STORM SEWER
(M 420 - M 410)

6.5' MIN COVER

TOP OF EXISTING WM

PROPOSED 24" STORM
SEWER
(M 450 - M 410)

PROPOSED SAN MH #11 (48" DIA)
STA 119+79.1, RT 50.5'
RIM EL = 669.00
10" INV EL (S) = 660.00
DEPTH = 9.00'

672 670 668 666 664 662 660 658

116+50 117+00 117+50 118+00 118+50 119+00 119+50 120+00 120+50 121+00 121+50 122+00

PROJECT NO: 7575-07-83	HWY: STH 16	COUNTY: LA CROSSE	PLAN AND PROFILE: LA CROSSE ST	SHEET 36	E

FILE NAME : X:\1203500\192601.01\TECH\CAD\75750773\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 04
PLOT DATE : 10/24/2021 2:26 PM PLOT BY : JEFF BREU PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 44

OAK GROVE CEMETERY

STA 123+80.7, LT 25.0'
PROPOSED HYDRANT
W/ 8"x6" TEE , 6" GATE VALVE AND 6" LEAD

STA 126+73, R/L
CONTRACTOR TO VERIFY DEPTH OF EXISTING 9 CONDUIT ELECTRICAL DUCT PACKAGE ENCASED IN CONCRETE PRIOR TO ORDERING SANITARY SEWER MANHOLES ON THAT PROPOSED SEWER LINE.

CONNECT EXISTING 4" FORCE MAIN TO PROPOSED SAN MH #16

PROPOSED 39.4 LF 10" SAN

STA 126+39.5, LT 25.0'
SALVAGE AND RE-INSTALL HYDRANT
INSTALL 8"x6" TEE , 6" GATE VALVE AND 6" LEAD

PROPOSED 8"x6" TEE

PROPOSED 8" GATE VALVE

REMOVE EXISTING SAN MH #13

MATCH LINE STA 122+00.00

EXISTING 6" WM

EXISTING 8" WM

STH 16

LA CROSSE ST

EXISTING 4" FORCE MAIN

EAST AVE N

PROPOSED SAN MH #16

REMOVE EXISTING SAN MH #16

PROPOSED 70.3 LF 10" SAN

REMOVE EXISTING SAN MH #17

EXISTING 8" WM

MATCH LINE STA 127+75.00

REMOVE EXISTING SAN MH #12

PROPOSED SAN MH #14

PROPOSED 8 LF 12" SAN SEWER @ 0.30%

NEW PARKING RAMP

17TH ST N

EXISTING 12" SAN

EXISTING 6" WM

N

PROPOSED SAN MH #15

REMOVE EXISTING SAN MH #15

PROPOSED 37 LF 10" SAN SEWER @ 0.25%

CAUTION

STA 126+40 - 129+50
INSULATION BOARD POLYSTYRENE 2-INCH IS REQUIRED OVER PROPOSED SANITARY SEWER MAIN, FORCEMAIN AND SANITARY LATERALS

EXISTING 6" WM

EXISTING 10" SAN

CLEARY ALUMNI & FRIENDS CENTER

EAST AVE N

PROPOSED SAN MH #17

REMOVE EXISTING SAN MH #18

PROPOSED 325.0 LF 10" SAN

5

5

PROPOSED SAN MH #16 (48" DIA) COATED
STA 126+79.8, RT 0.4'
RIM EL = 667.17
4" FORCEMAIN (N) = 662.00 FIELD VERIFY
10" INV EL (W & E) = 662.48
DEPTH = 4.69'

EXISTING SAN MH #16
RIM EL = 666.85
8" CLAY INV EL (W & E) = 662.51
(TO BE REMOVED)

PROPOSED SAN MH #17 (48" DIA)
STA 127+50.0, RT 1.7'
RIM EL = 667.11
10" INV EL (W & E) = 662.68
DEPTH = 4.43'

EXISTING SAN MH #17
RIM EL = 666.81
8" CLAY INV EL (W & E) = 662.57*
(TO BE REMOVED)

EXISTING SAN MH #18
RIM EL = 667.06
6" CLAY INV EL (S) = 662.86
8" CLAY INV EL (E) = 662.76
8" CLAY INV EL (W) = 662.66
(TO BE REMOVED)

INSTALL INSTALLATION BOARD POLYSTYRENE 2-INCH OVER SANITARY SEWER

PROPOSED SAN MH #14 (48" DIA)
STA 123+66.8, RT 39.9'
RIM EL = 667.97
12" INV EL (S) = 661.80
DEPTH = 6.17'

EXISTING SAN MH #13
RIM EL = 667.87
12" CLAY INV EL (S) = 661.91*
(TO BE REMOVED)

6.5' MIN COVER

TOP OF EXISTING WM

PROPOSED SAN MH #15 (48" DIA)
STA 126+40.4, RT 0.3'
RIM EL = 667.04
10" INV EL (S & E) = 662.37
DEPTH = 4.67'

PROPOSED 24" STORM SEWER (M 520 - M 510)

PROPOSED 24" STORM SEWER (M 790 - M 725)

PROPOSED 39.4 LF OF 10" SAN. SEWER @ 0.28%

PROPOSED 325.0 LF OF 10" SAN. SEWER @ 0.28%

PROPOSED 70.3 LF OF 10" SAN. SEWER @ 0.28%

PROPOSED 24" STORM SEWER (M 725 - M 721)

PROPOSED 24" STORM SEWER (M 721 - M 720)

PROPOSED 24" STORM SEWER (M 730 - M 720)

PROPOSED 24" STORM SEWER (M 740 - M 730)

EXISTING SAN MH #12
RIM EL = 668.10
10" CLAY INV EL (W) = 661.13*
(TO BE REMOVED)

EXISTING SAN MH #15
RIM EL = 666.72
8" CLAY INV EL (E) = 662.32
10" CLAY INV EL (S) = 662.32
(TO BE REMOVED)

672 670 668 666 664 662 660 658

122+00 122+50 123+00 123+50 124+00 124+50 125+00 125+50 126+00 126+50 127+00 127+50

PROJECT NO: 7575-07-83	HWY: STH 16	COUNTY: LA CROSSE	PLAN AND PROFILE: LA CROSSE ST	SHEET 37	E

FILE NAME : X:\1203500\192601.01\TECH\CAD\75750773\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 05

PLOT DATE : 12/8/2021 8:30 AM PLOT BY : JEFF BREU PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44

NOTE: 1. EXISTING CONCRETE SIDEWALK TO BE REMOVED BY CONTRACTOR AND REPLACED BY THE CITY OF LA CROSSE. SEE SPECIAL PROVISIONS FOR MORE INFORMATION.

STA 126+40 - 129+50
INSULATION BOARD POLYSTYRENE
2-INCH IS REQUIRED OVER PROPOSED
SANITARY SEWER MAIN, FORCEMAIN
AND SANITARY LATERALS

OAK GROVE CEMETERY

STA 131+50.1, LT 25.0'
SALVAGE AND RE-INSTALL HYDRANT
INSTALL 6" GATE VALVE AND 6" LEAD

MATCH LINE STA 127+75.00

EXISTING 8" WM

PROPOSED 325.0 LF 10" SAN

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

STH 16

LA CROSSE ST

EXISTING 8" WM

MATCH LINE STA 133+50.00

REMOVE EXISTING SAN MH #19

REMOVE EXISTING SAN MH #20

PROPOSED SAN MH #19

TO BE ABANDONED 2"
WATER SERVICE

N

19TH ST N

ATHLETIC FIELD

LAUX HALL

REUTER HALL

5

5

EXISTING SAN MH #19
RIM EL = 669.29
8" CLAY INV EL (W & E) = 663.49
(TO BE REMOVED)

EXISTING SAN MH #20
RIM EL = 669.67
8" CLAY INV EL (W) = 663.59*
(TO BE REMOVED)

INSTALL INSTALLATION BOARD POLYSTYRENE
2-INCH OVER SANITARY SEWER

PROPOSED SAN MH #19 (MH 48")
STA 130+75.0, RT 0.9'
RIM EL = 669.94
10" INV EL (W) = 663.59
DEPTH = 6.35'

6.5' MIN COVER

TOP OF EXISTING WM

PROPOSED 24" STORM
SEWER
(M 760 - M 750)

PROPOSED 325.0 LF OF 10" SAN.
SEWER @ 0.28%

PROPOSED 24" STORM
SEWER
(M 750 - M 740)

PROPOSED 24" STORM
SEWER
(M 740 - M 730)

672 670 668 666 664 662 660 658

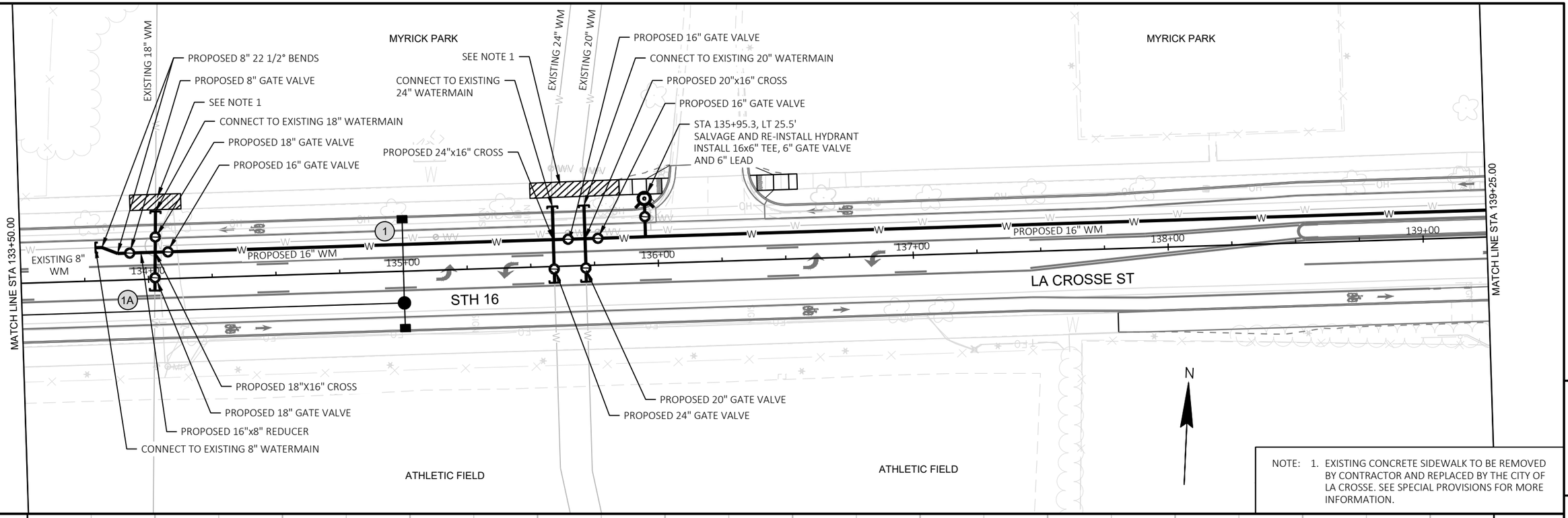
128+00 128+50 129+00 129+50 130+00 130+50 131+00 131+50 132+00 132+50 133+00 133+50

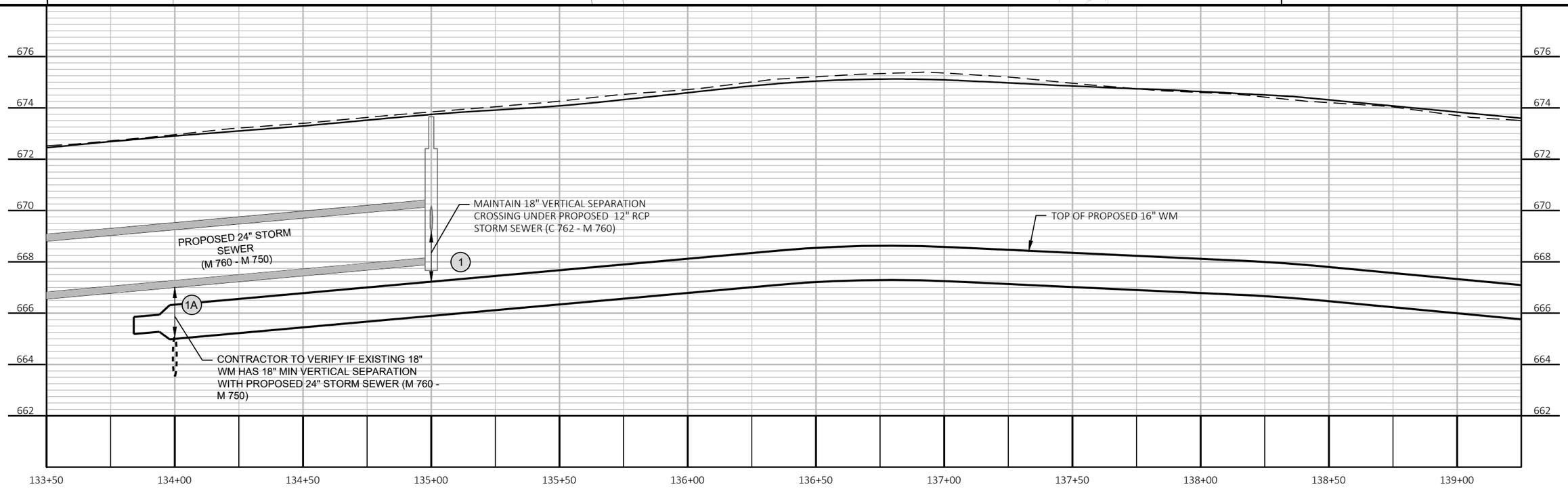
PROJECT NO: 7575-07-83	HWY: STH 16	COUNTY: LA CROSSE	PLAN AND PROFILE: LA CROSSE ST	SHEET 38	E

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LAYOUT NAME - 06

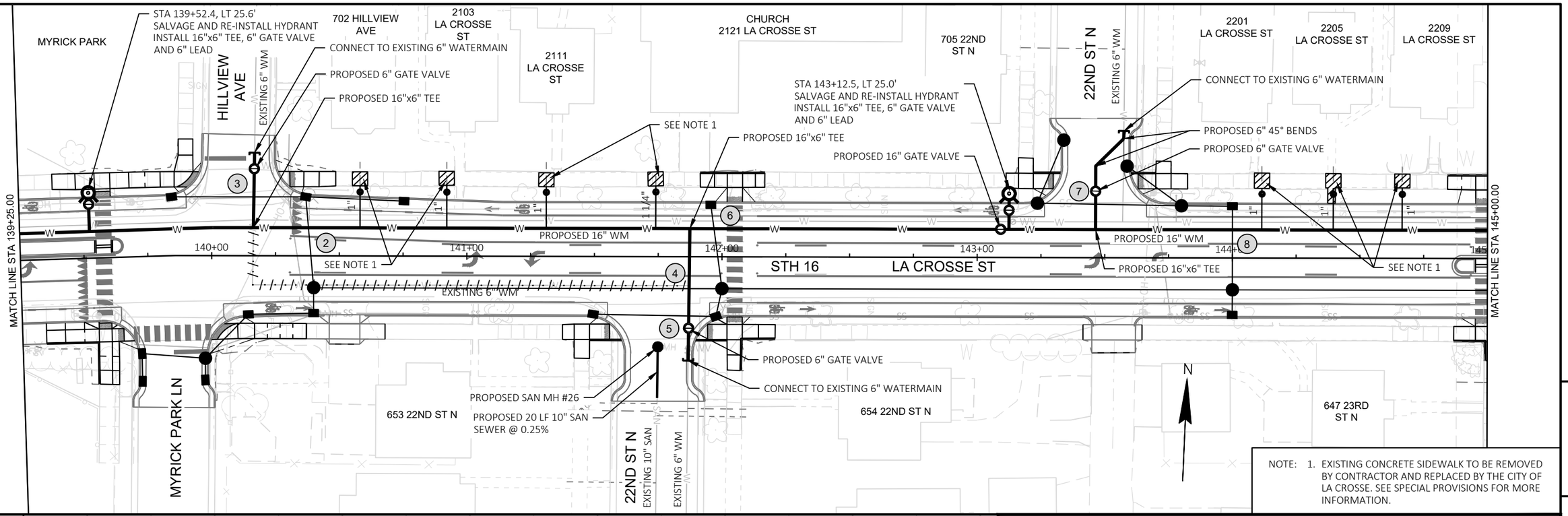
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WISDOT/CADDS SHEET 44



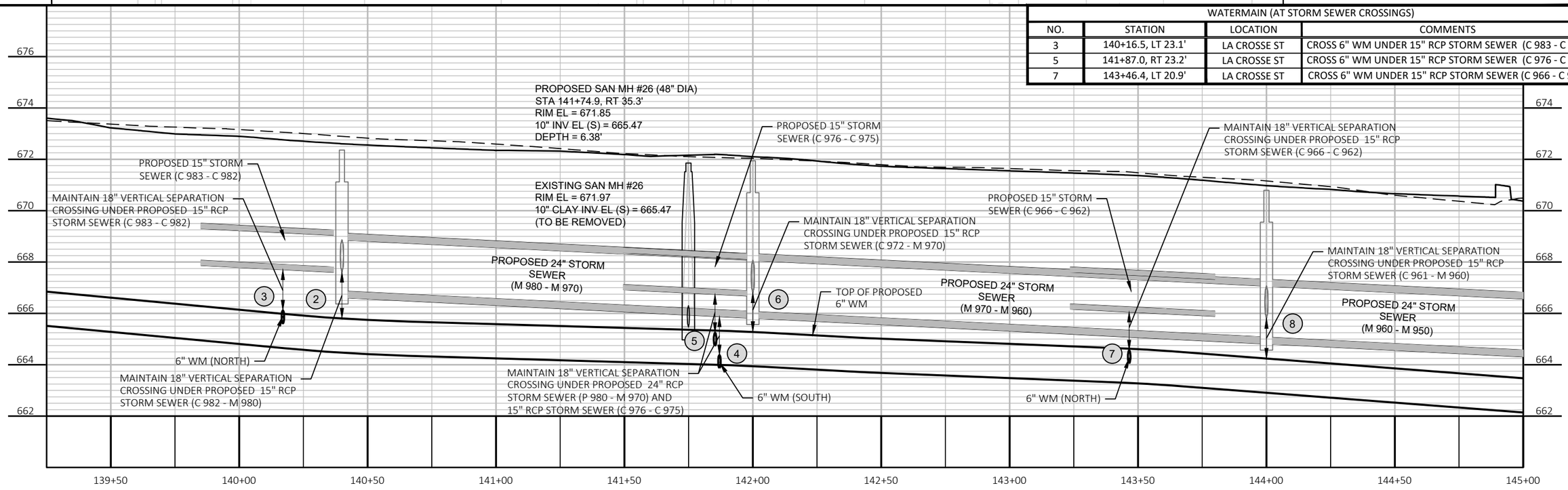


PROJECT NO: 7575-07-83	HWY: STH 16	COUNTY: LA CROSSE	PLAN AND PROFILE: LA CROSSE ST	SHEET 39	E



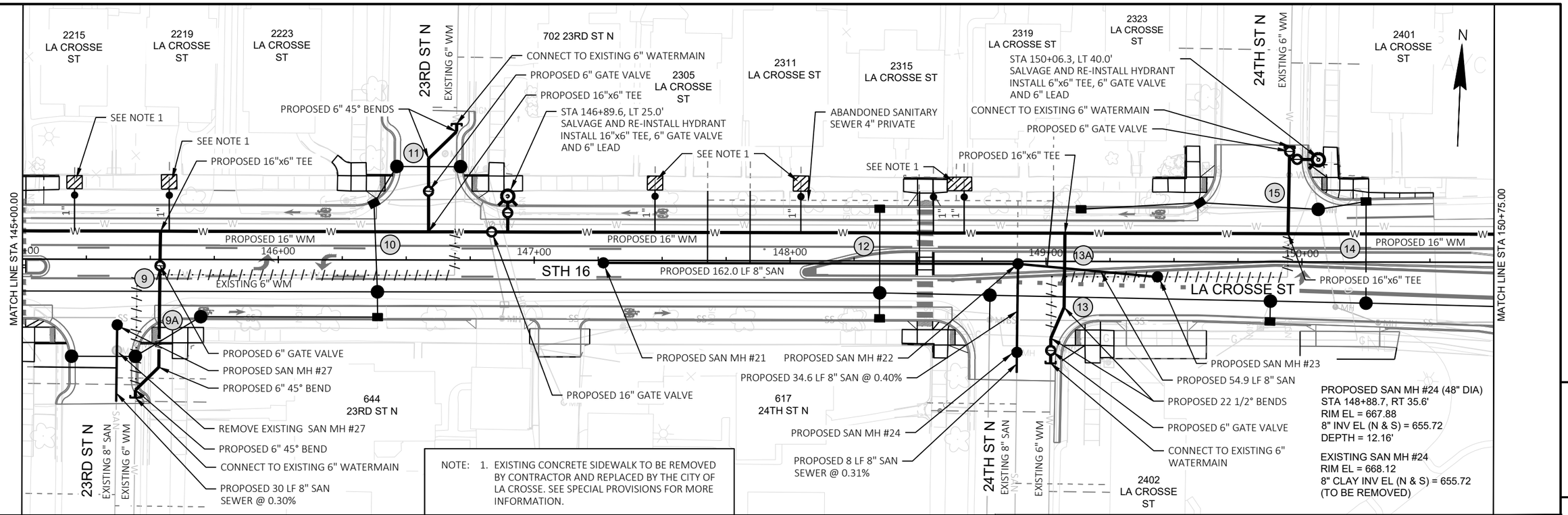
NOTE: 1. EXISTING CONCRETE SIDEWALK TO BE REMOVED BY CONTRACTOR AND REPLACED BY THE CITY OF LA CROSSE. SEE SPECIAL PROVISIONS FOR MORE INFORMATION.

WATERMAIN (AT STORM SEWER CROSSINGS)			
NO.	STATION	LOCATION	COMMENTS
3	140+16.5, LT 23.1'	LA CROSSE ST	CROSS 6" WM UNDER 15" RCP STORM SEWER (C 983 - C 982)
5	141+87.0, RT 23.2'	LA CROSSE ST	CROSS 6" WM UNDER 15" RCP STORM SEWER (C 976 - C 975)
7	143+46.4, LT 20.9'	LA CROSSE ST	CROSS 6" WM UNDER 15" RCP STORM SEWER (C 966 - C 962)

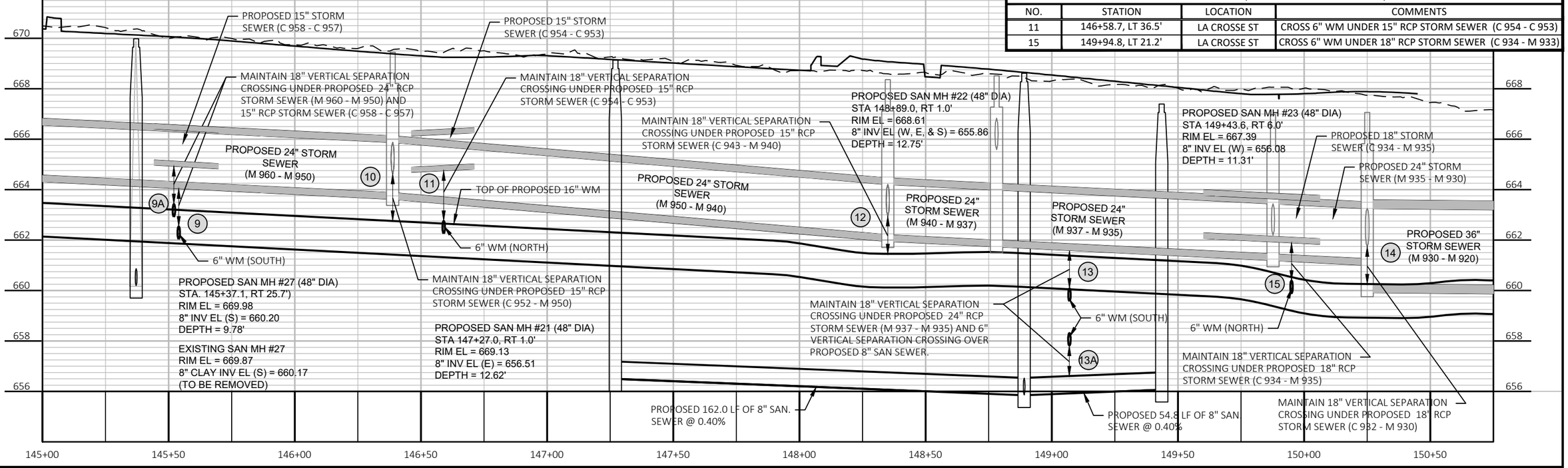


PROJECT NO: 7575-07-83	HWY: STH 16	COUNTY: LA CROSSE	PLAN AND PROFILE: LA CROSSE ST	SHEET 40	E

FILE NAME : X:\1203500\192601.01\TECH\CAD\75750773\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 08
PLOT DATE : 11/30/2021 11:00 AM
PLOT BY : JEFF BREU
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 44



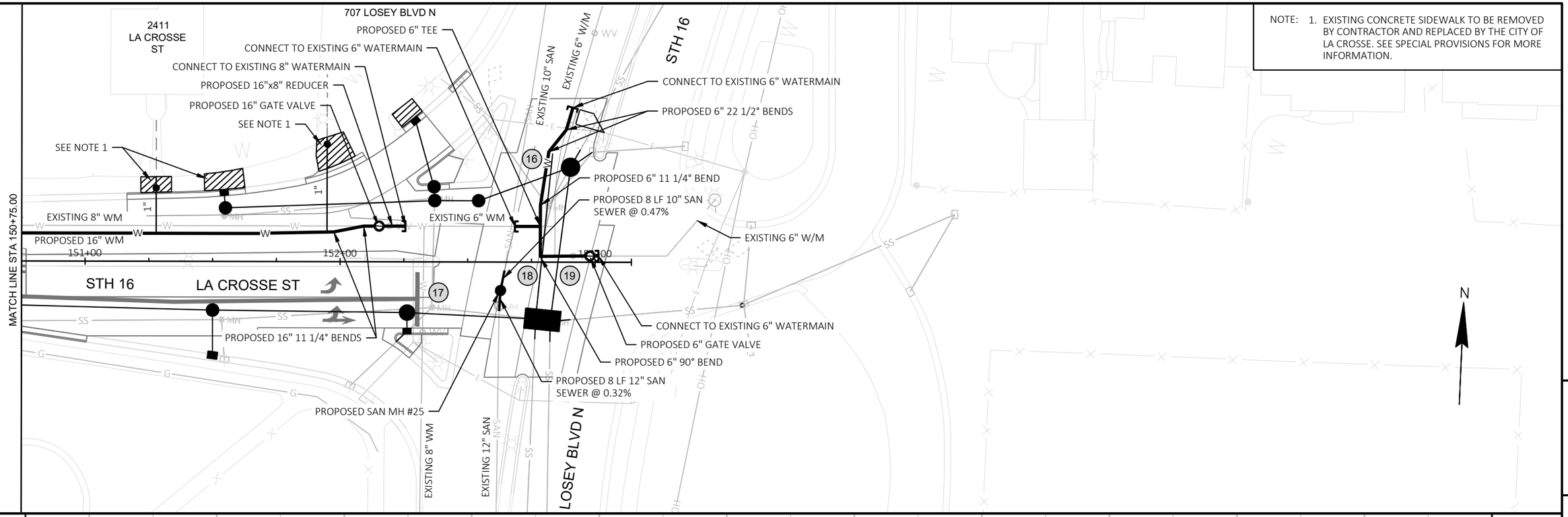
WATERMAIN (AT STORM SEWER CROSSINGS)			
NO.	STATION	LOCATION	COMMENTS
11	146+58.7, LT 36.5'	LA CROSSE ST	CROSS 6" WM UNDER 15" RCP STORM SEWER (C 954 - C 953)
15	149+94.8, LT 21.2'	LA CROSSE ST	CROSS 6" WM UNDER 18" RCP STORM SEWER (C 934 - M 933)

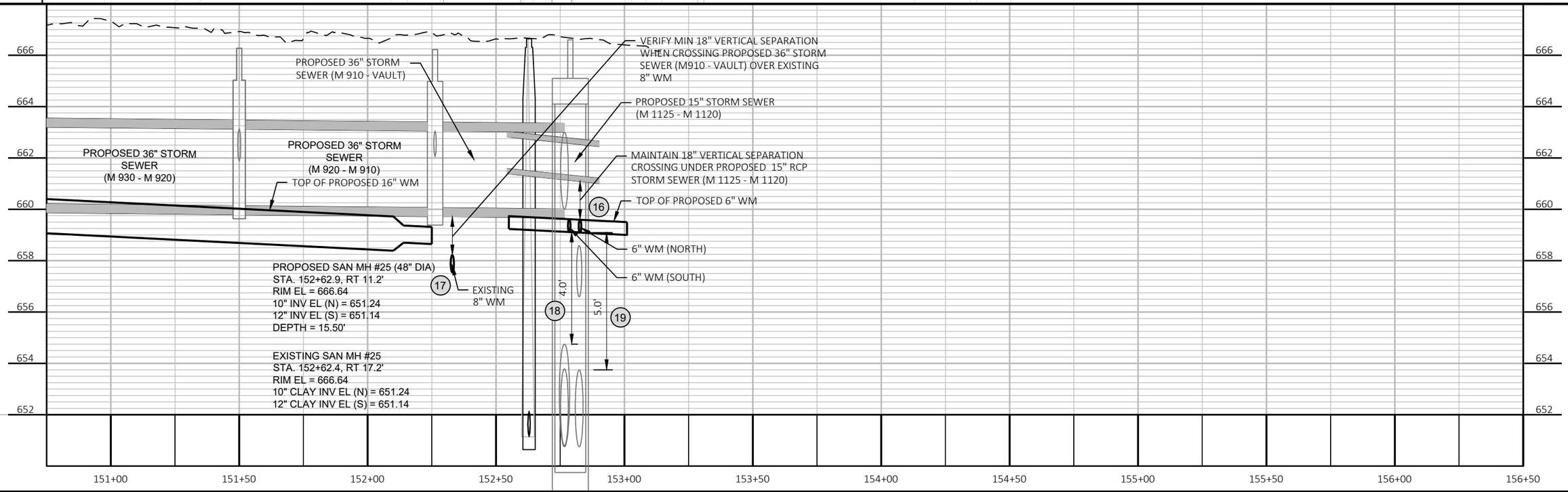


PROJECT NO: 7575-07-83	HWY: STH 16	COUNTY: LA CROSSE	PLAN AND PROFILE: LA CROSSE ST	SHEET 41	E

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LAYOUT NAME - 09
PLOT DATE : 11/30/2021 11:00 AM PLOT BY : JEFF BREU PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 44

NOTE: 1. EXISTING CONCRETE SIDEWALK TO BE REMOVED BY CONTRACTOR AND REPLACED BY THE CITY OF LA CROSSE. SEE SPECIAL PROVISIONS FOR MORE INFORMATION.



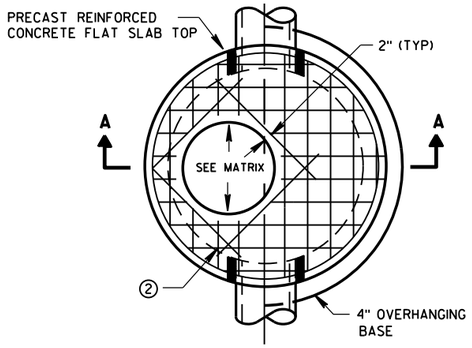


PROJECT NO: 7575-07-83	HWY: STH 16	COUNTY: LA CROSSE	PLAN AND PROFILE: LA CROSSE ST	SHEET 42	E

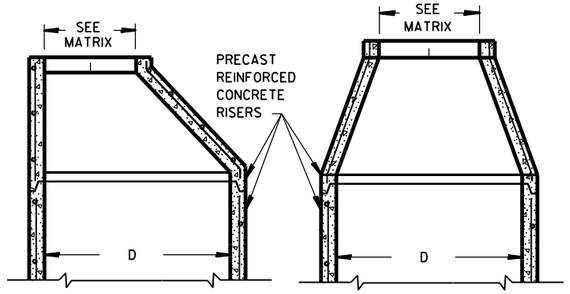
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LAYOUT NAME - 10
PLOT DATE : 11/30/2021 11:01 AM
PLOT BY : JEFF BREU
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 44

Standard Detail Drawing List

08B09-02	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08D01-22A	CONCRETE CURB & GUTTER
08D01-22B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08E10-02	INLET PROTECTION TYPE A, B, C AND D
09B02-10	CONDUIT
09F15-04A	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)
15C08-20A	LONGITUDINAL MARKING (MAINLINE)
15C08-20B	PAVEMENT MARKING (TURN LANES)
15C08-20C	PAVEMENT MARKING (TURN LANES)
15C18-05B	MEDIAN ISLAND MARKING MEDIAN ISLAND NOSE
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING

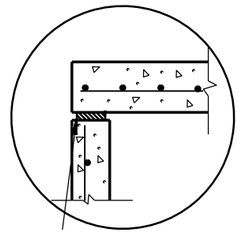


PLAN VIEW CIRCULAR OPENING

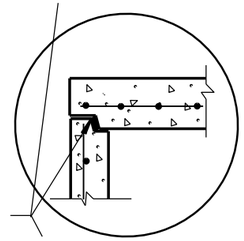


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

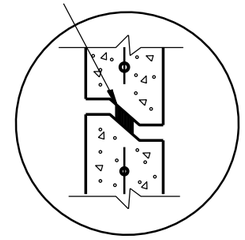


TOP WITH PLAIN END JOINT



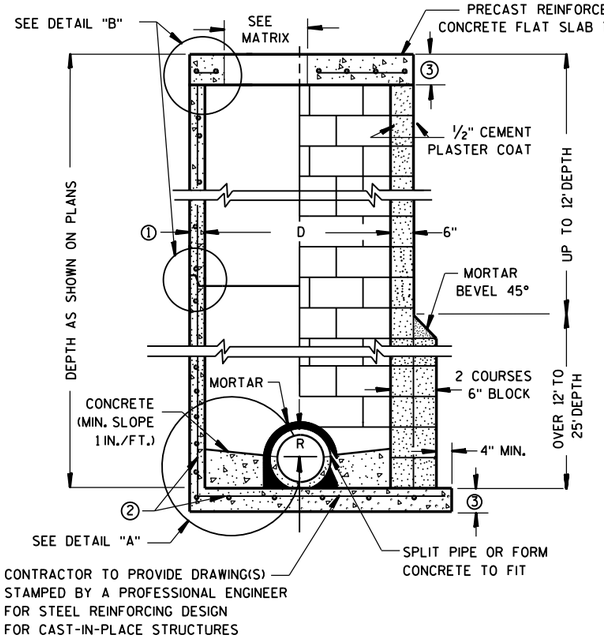
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



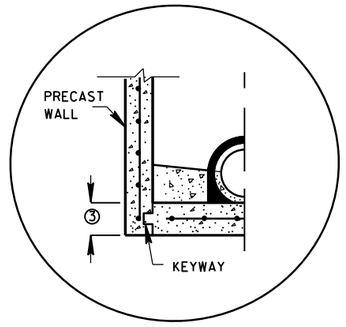
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

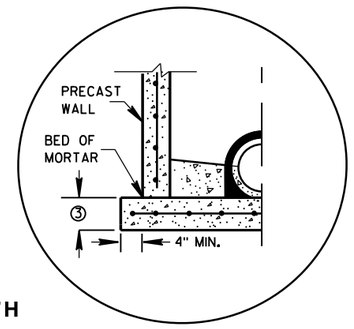


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

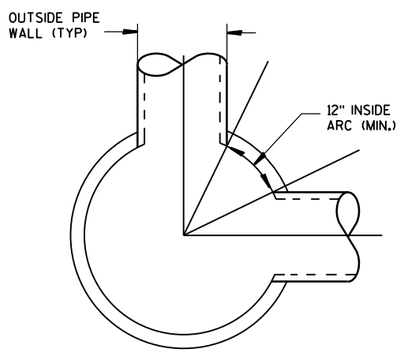


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



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

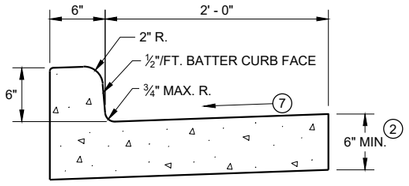
APPROVED

Sept., 2016
DATE

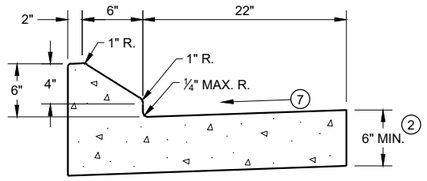
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERV

FHWA

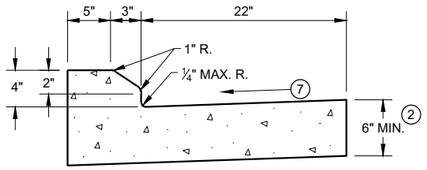
6
S.D.D. 8 B 9-2



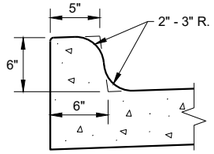
TYPES A (1) & D



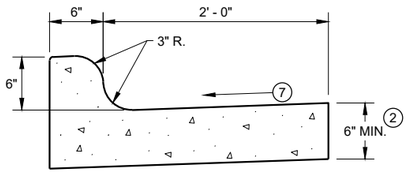
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

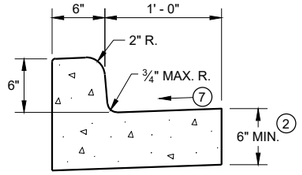


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



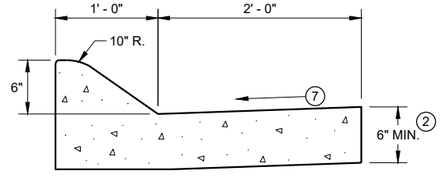
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

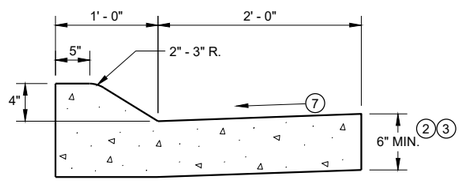


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

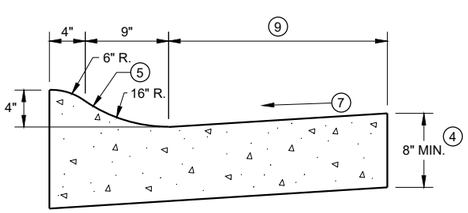


6" SLOPED CURB TYPES A (1) & D



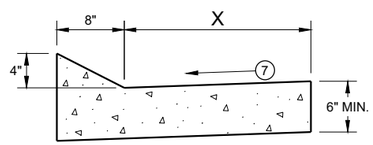
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

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

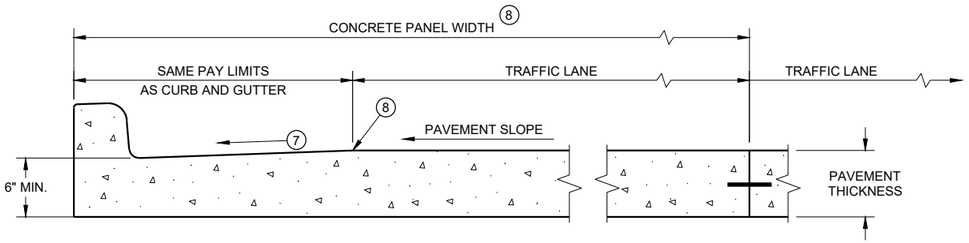


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

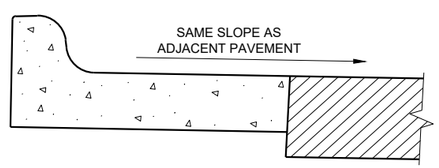
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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.

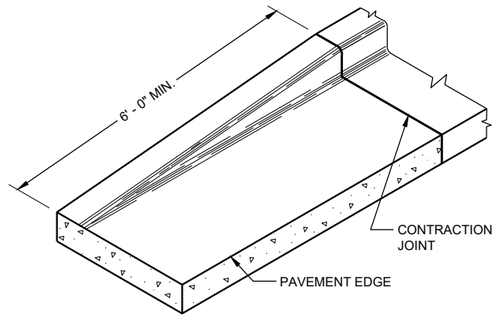
(9) CONCRETE CURB AND GUTTER 4-INCH SLOPED 30-INCH TYPE "R" AND "T" = 17 INCHES
CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE "R" AND "T" = 23 INCHES

CONCRETE CURB AND GUTTER

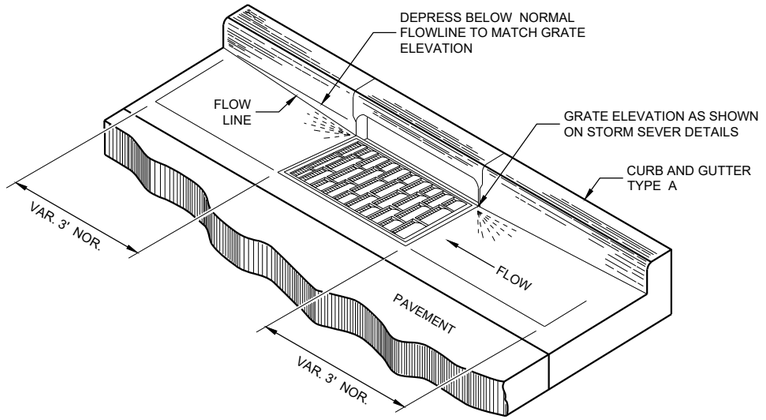
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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.

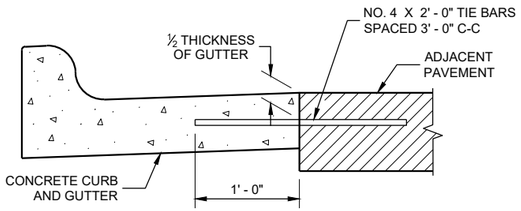
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

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

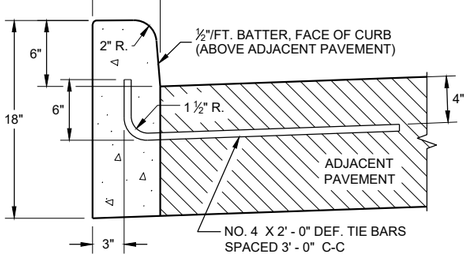
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(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.

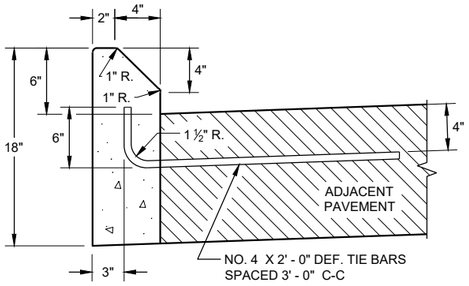
(9) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.



TYPICAL TIE BAR LOCATION (1)

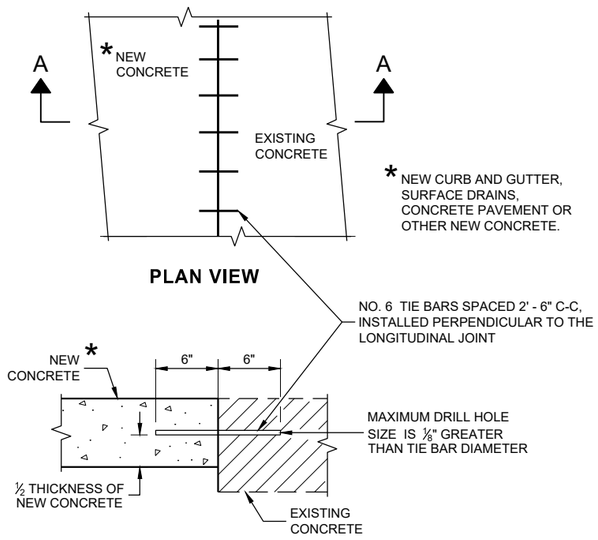


TYPES A (1) & D

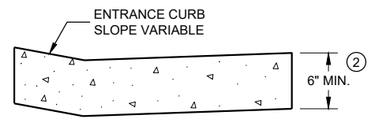


TYPES G (1) & J

CONCRETE CURB



TIE BARS DRILLED INTO EXISTING PAVEMENT



DRIVEWAY ENTRANCE CURB (9)

(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

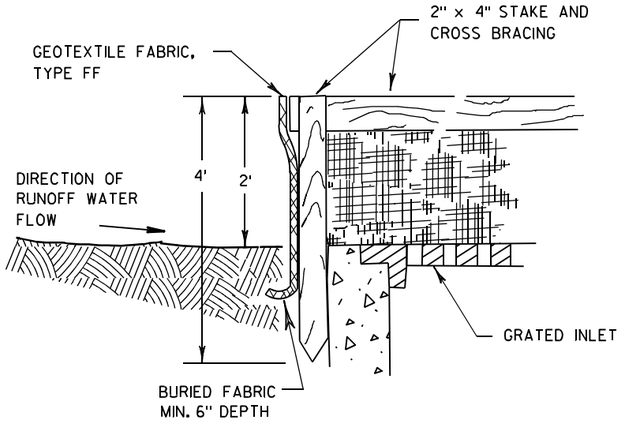
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

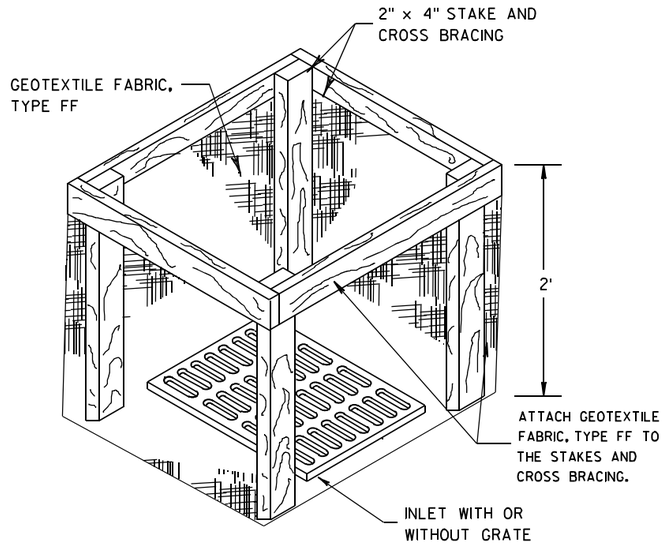
APPROVED
February 2021 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVE ENGINEER

FHWA

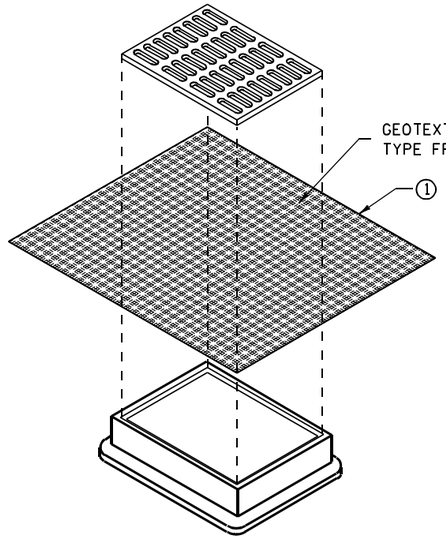
6

SDD08D01 - 22b



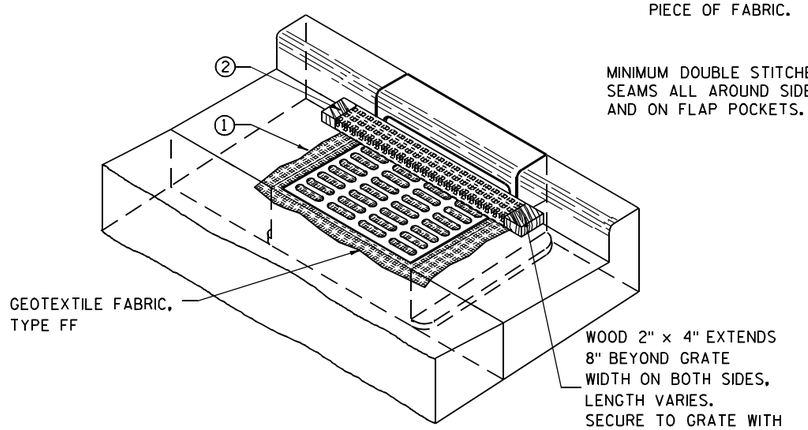


INLET PROTECTION, TYPE A

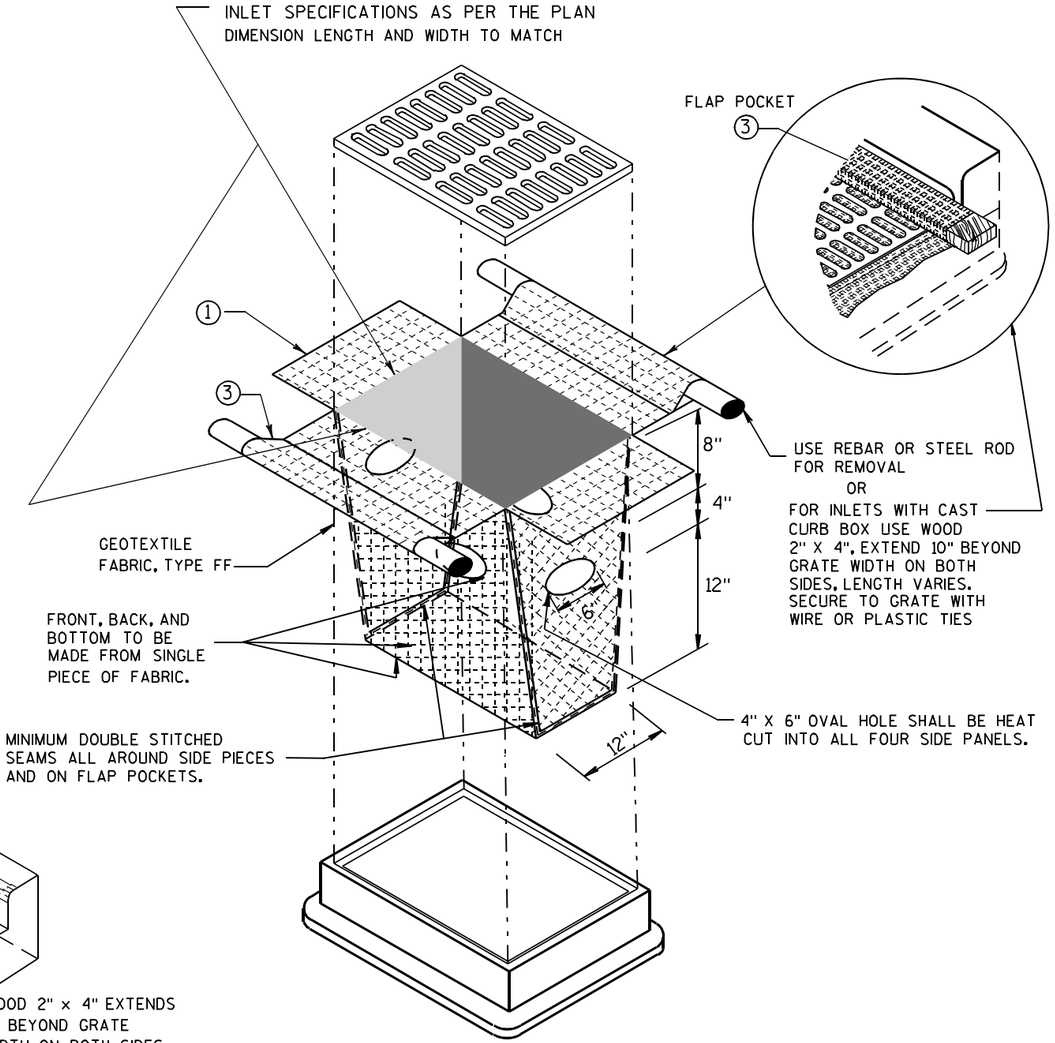


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

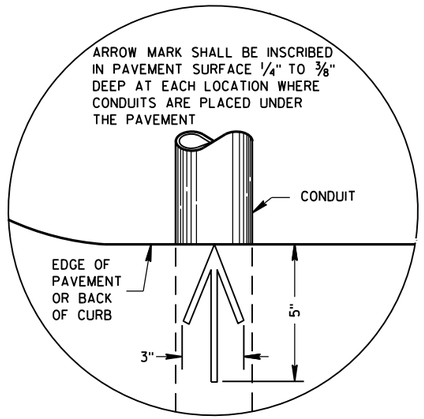
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

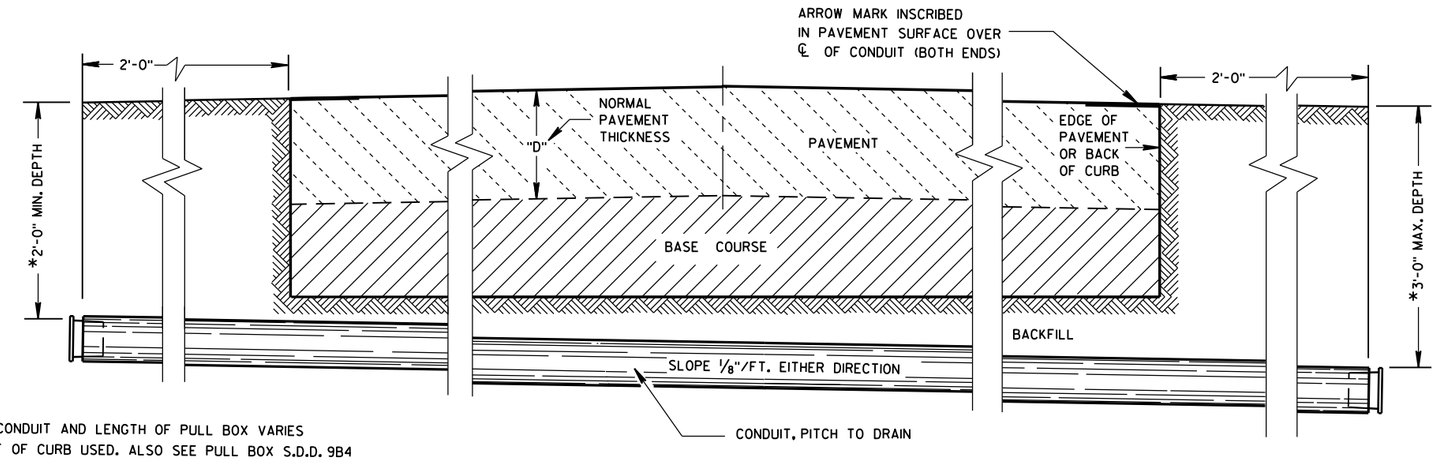
APPROVED
10/16/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 E 10-2



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.

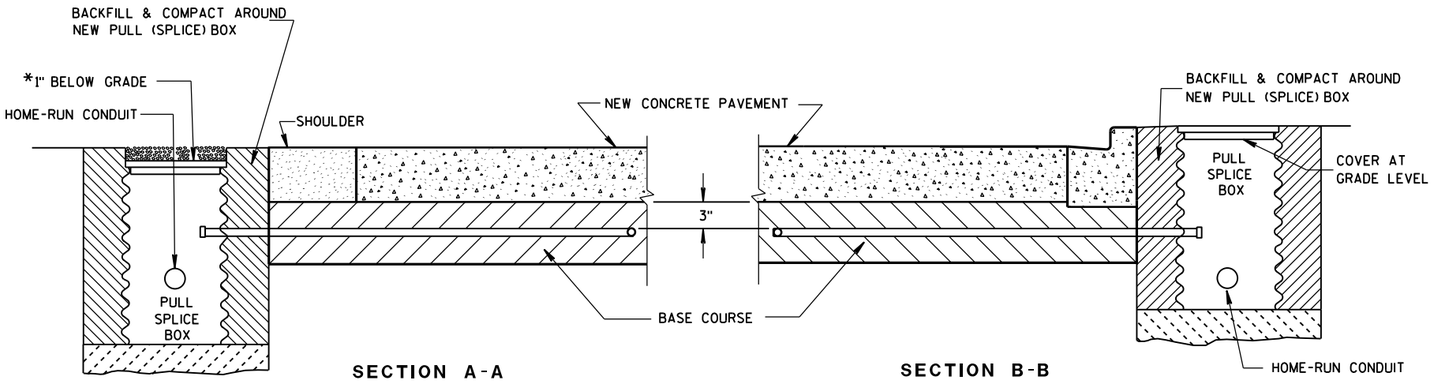
CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

S.D.D. 9 B 2-10



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.

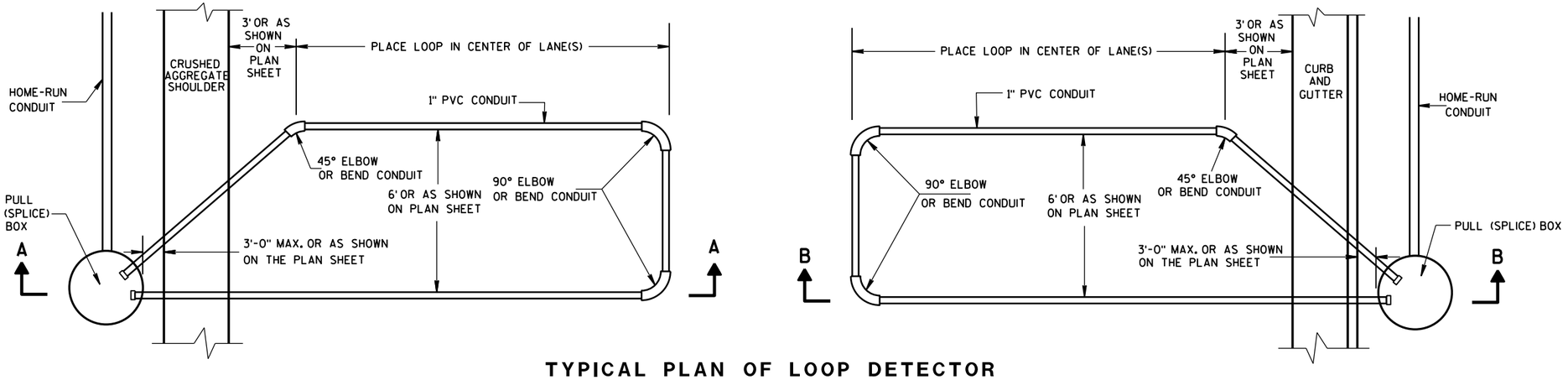
THE #12 AWG. LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

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-SPLICE CONTINUOUS LENGTH.

PROTECTION OF THE CONDUIT IN THE BASE COURSE, SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW PAVEMENT IS INSTALLED.

SHOULD INSTALLATION REPAIR BE REQUIRED, IT SHALL BE DONE UNDER THE DIRECTION OF THE PROJECT ENGINEER.



TYPICAL PLAN OF LOOP DETECTOR WITH 18" OR 24" PULL (SPLICE) BOX

LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

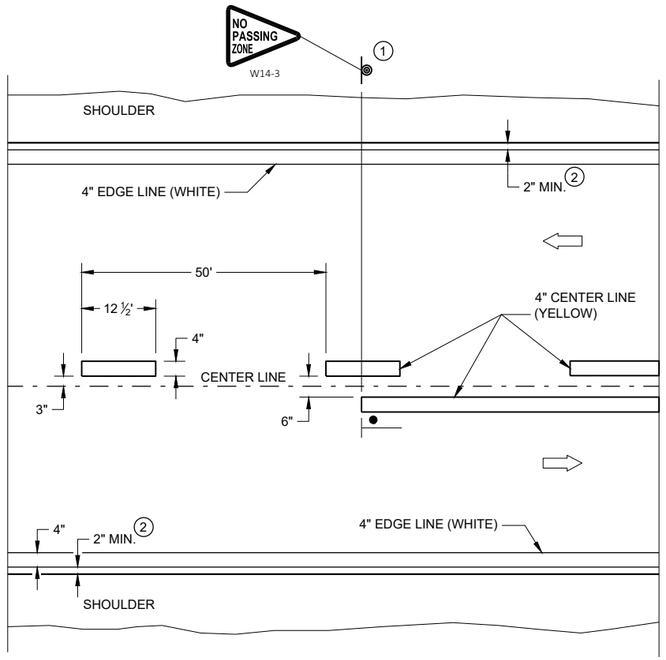
APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

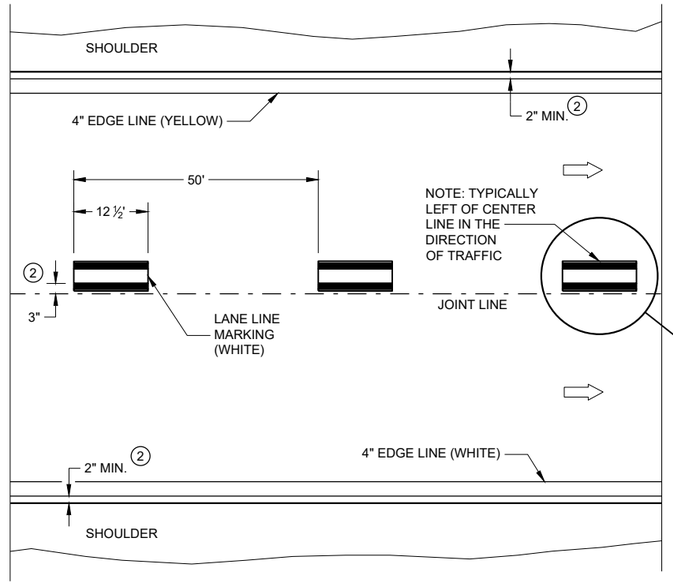
S.D.D. 9 F 15-4a

6

S.D.D. 9 F 15-4a

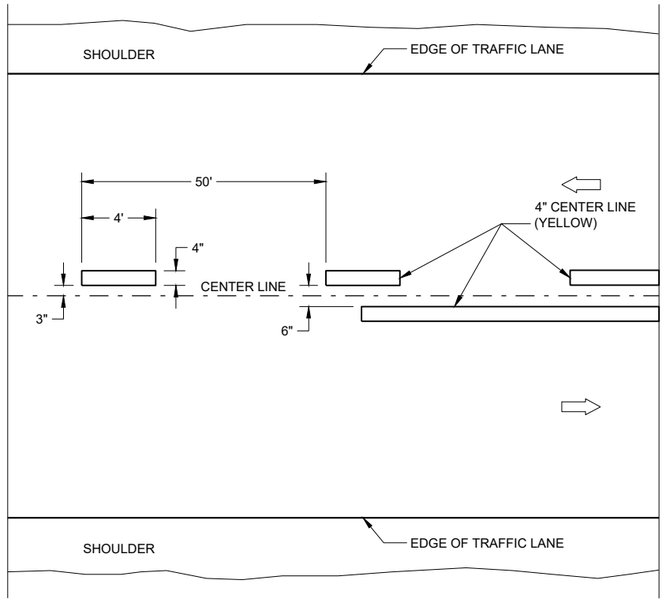


TWO WAY TRAFFIC

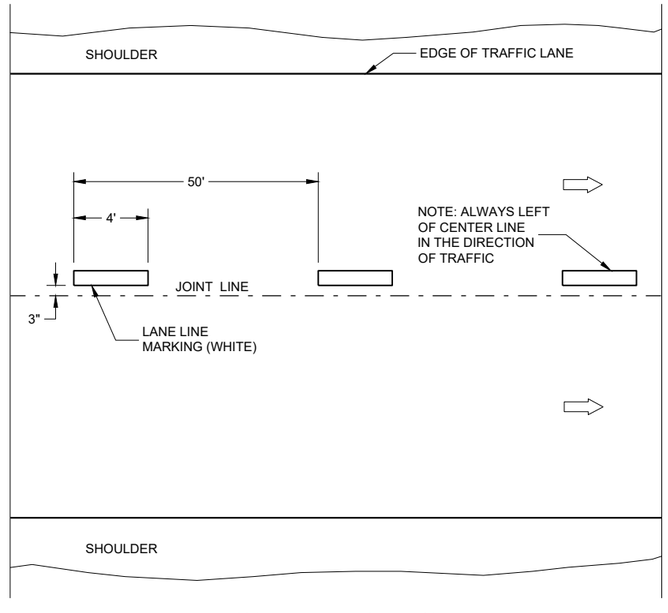


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

GENERAL NOTES

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

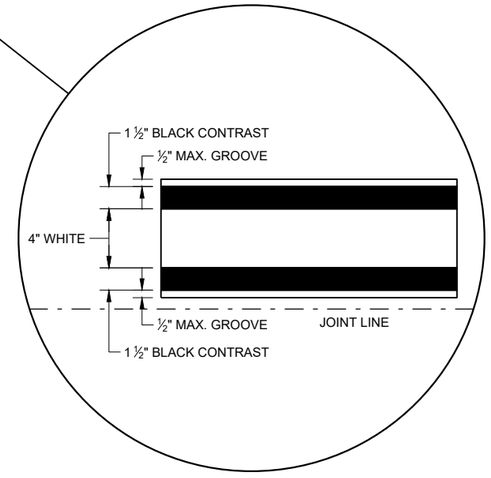
1. LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING
2. MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



LONGITUDINAL MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA

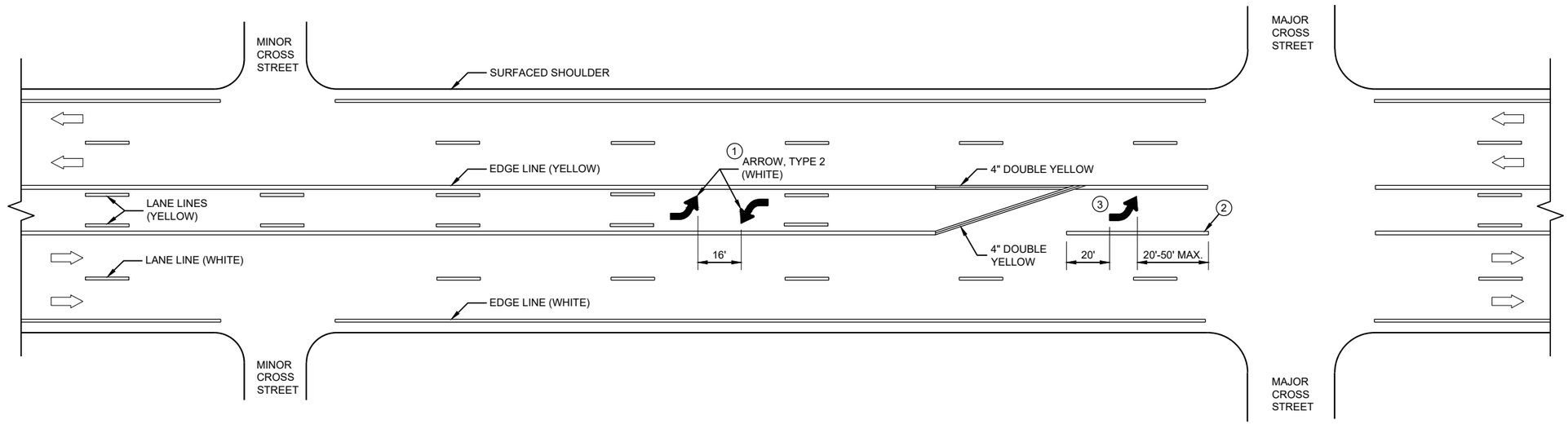
SDD 15C08 - 20a

SDD 15C08 - 20a

GENERAL NOTES

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

DIRECTION OF TRAFFIC



TWO WAY LEFT TURN LANE

6

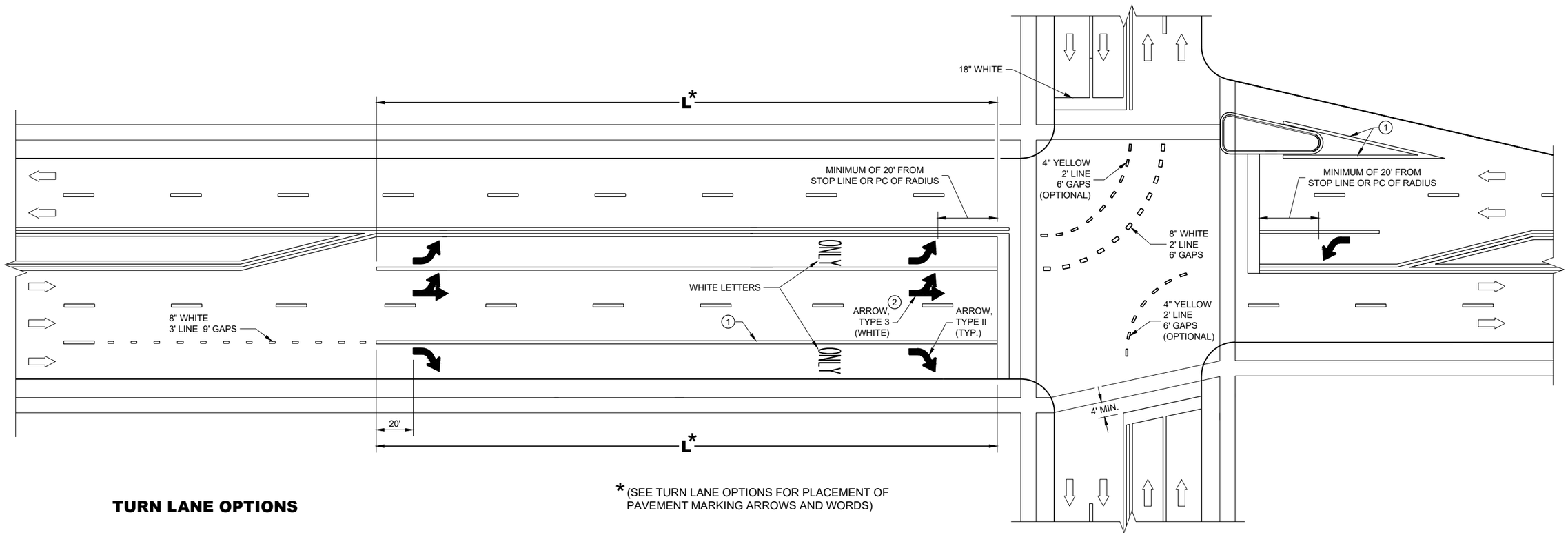
SDD 15C08 - 20b

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

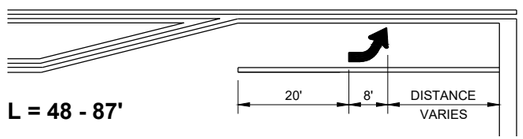
SDD 15C08 - 20b



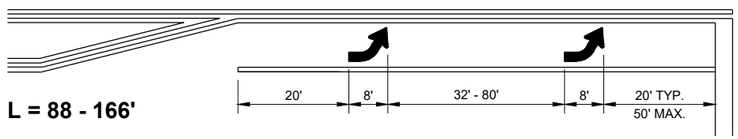
* (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

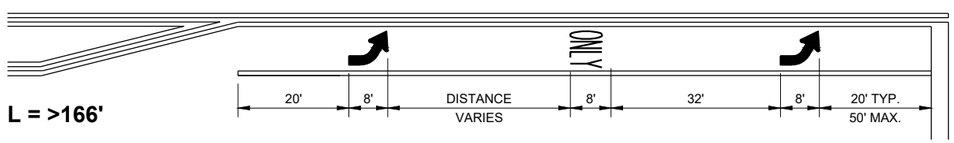
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



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

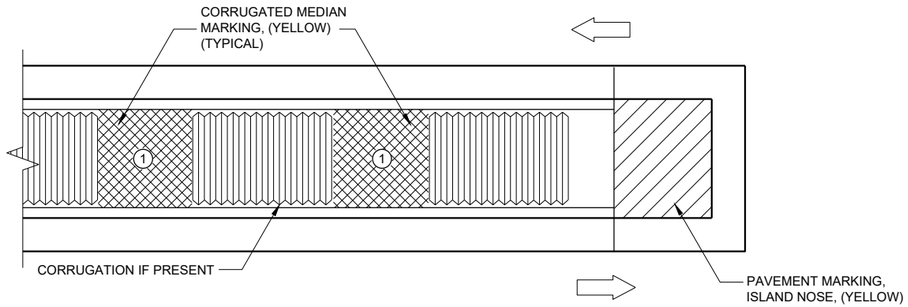
L = LENGTH OF TURN BAY

PAVEMENT MARKING (TURN LANES)

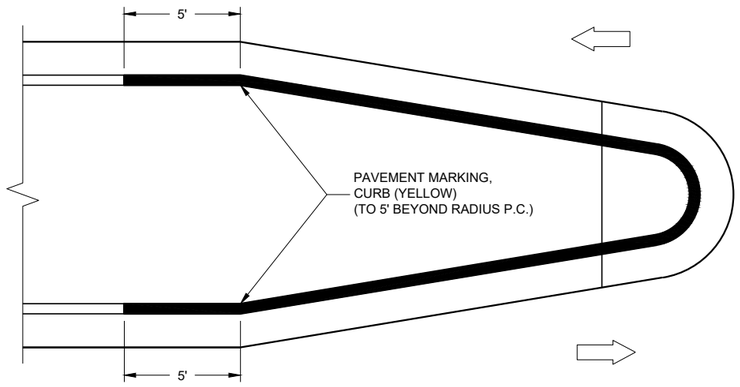
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

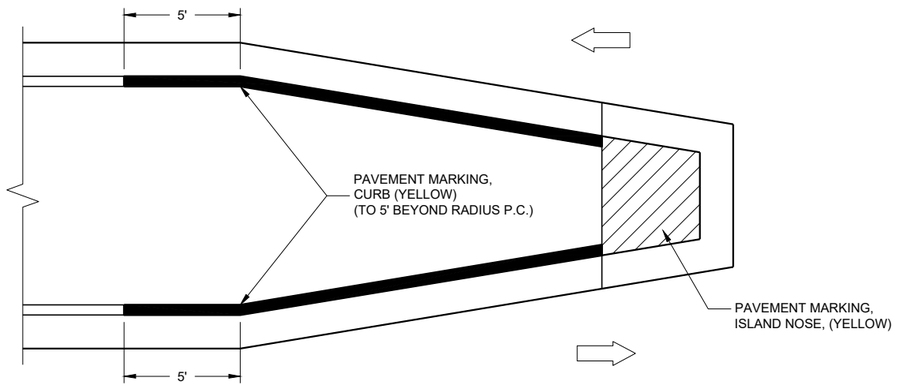
SDD 15C08 - 20c



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 MAF ENGINEER

FHWA

6

SDD 15C18 - 05b

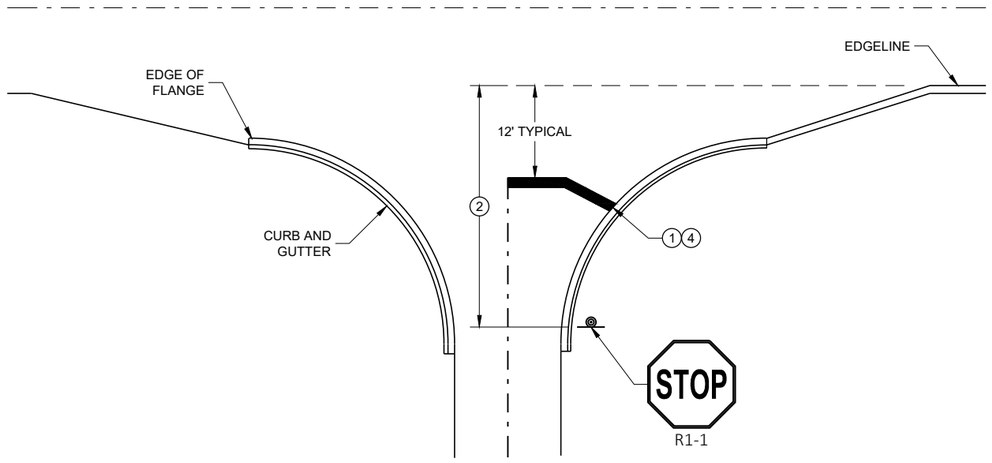
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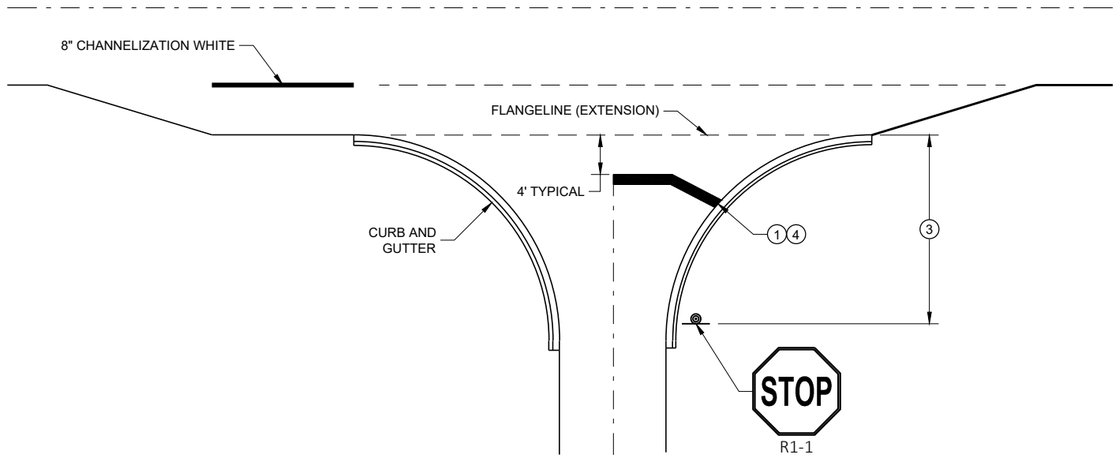
GENERAL NOTES

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

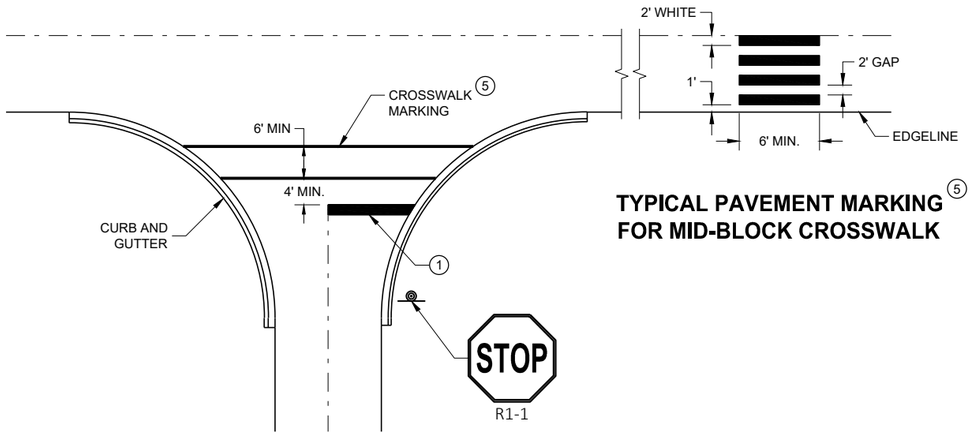
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE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



TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

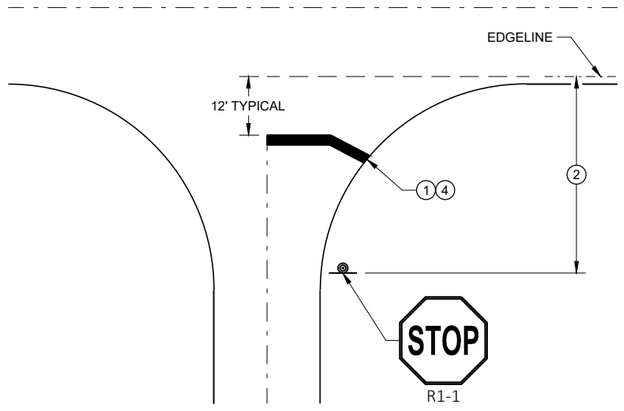


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK 5

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

FHWA

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SDD 15C33 - 04

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

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