GRE Feb 08, 2022

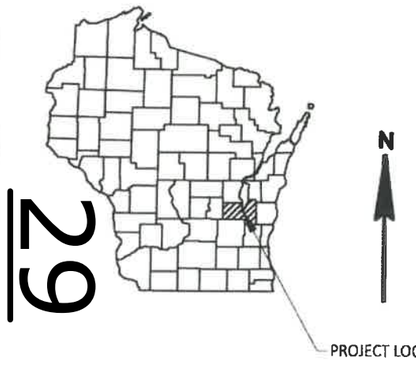
PROJECT ID: 4986-00-25
WITH: N/A

COUNTY: FOND DU LAC

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.	9	Computer Earthwork Data
Section No.	9	Cross Sections

TOTAL SHEETS = 370



DESIGN DESIGNATION

A.A.D.T.	2022	=	6340
A.A.D.T.	2042	=	7010
D.H.V.		=	855
D.D.		=	59/41
T.		=	3.1%
DESIGN SPEED		=	30 MPH
ESALS		=	360,000

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'E0')
- 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. FOND DU LAC, MILITARY RD

SUPERIOR STREET - WESTERN AVENUE

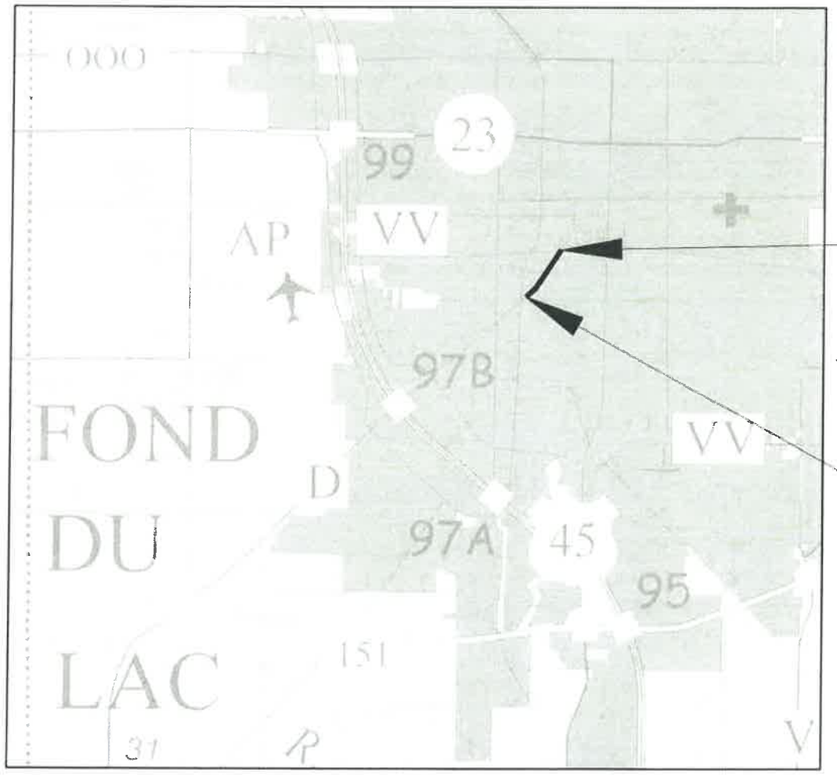
LOCAL STREET

FOND DU LAC COUNTY

STATE PROJECT NUMBER
4986-00-25

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
4986-00-25	WISC 2022179	1

R17E



END PROJECT
STA 33+31.48
Y = 384,299.20
X = 815,385.16

T15N

BEGIN PROJECT
STA 10+20.00
Y = 382,487.89
X = 813,990.27

LAYOUT
SCALE 0 — 1 MI

TOTAL NET LENGTH OF CENTERLINE = 0.438 MILES

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), FOND DU LAC COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES. ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

CITY OF FOND DU LAC

ACCEPTED FOR

(SIGNATURE) Director of Public Works

DATE: 10/19/21 TITLE OF OFFICIAL

ORIGINAL PLANS PREPARED BY

MSA
1230 SOUTH BOULEVARD, BARABOO, WI 53913
(608) 356-2771 www.msa-ps.com

WISCONSIN
JAMES T. DES JARLAIS
45153-6
MADISON
WISCONSIN
PROFESSIONAL ENGINEER

10/14/21

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	MSA PROFESSIONAL SERVICES, INC.
Designer	MSA PROFESSIONAL SERVICES, INC.
Regional Examiner	JODI JAROSINSKI, P.E.
Regional Supervisor	BRIAN EDWARDS, P.E.

APPROVED FOR THE DEPARTMENT

DATE: 10/27/2021 Jodi Jarosinski (Signature)

E

GENERAL NOTES

MISCELLANEOUS

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.

REMOVALS

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

PAVING

CURVE DATA BASED ON ARC DEFINITION.

RADII DIMENSIONS FOR THE CURB AND GUTTER ARE TO THE FLOW LINE.

EXPANSION JOINTS SHALL BE CONSTRUCTED AT ALL RADII POINTS IN CURB AND GUTTER.

STORM SEWER

INLET OFFSETS GIVEN TO THE CENTER OF THE STRUCTURE.

PIPE ELEVATIONS, LENGTHS AND LOCATIONS AS SHOWN ON THE PLANS MAY BE ADJUSTED TO FIT EXISTING FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

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 = 5.07 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 4.83 ACRES

SECTION 2 ORDER OF SHEETS

1. GENERAL NOTES
2. PROJECT OVERVIEW
3. UTILITY OVERVIEW
4. TYPICAL SECTIONS
5. CONSTRUCTION DETAILS
6. CONTROL POINTS
7. PAVING DETAILS
8. CURB RAMP DETAILS
9. EROSION CONTROL AND DRAINAGE
10. STORM SEWER AND UTILITIES
11. SIGNING
12. LIGHTING
13. PAVEMENT MARKING
14. TRAFFIC CONTROL/DETOUR PLAN
15. PEDESTRIAN ACCESS
16. ALIGNMENT DIAGRAMS

BORING SUMMARY

BORING NUMBER	STATION	OFFSET	EXISTING CONCRETE DEPTH	BASE DEPTH	SUBGRADE TYPE
B-1	22+13.9	4.5' RT	8.25"	12.5"	CLAY
B-2	24+70.6	12.3' RT	8.5"	10.5"	CLAY
B-3	30+49.0	51.9' LT	9.25"	10.75"	CLAY
B-4	34+55.7	1.4' RT	8.5"	9.75"	CLAY
B-5	39+94.7	14.1 'RT	7.5"	9.75"	CLAY

ABBREVIATIONS

AC	ACRES
AC	ASPHALT CEMENT
AEW	APRON ENDWALL
ASPH	ASPHALT
AVG	AVERAGE
ADT	AVERAGE DAILY TRAFFIC
BAD	BASE AGGREGATE DENSE
BM	BENCHMARK
CL	CENTERLINE
CC	CENTER TO CENTER
CONC	CONCRETE
CMCP	CORRUGATED METAL CULVERT PIPE
CPRC	CULVERT PIPE REINFORCED CONCRETE
CSCP	CORRUGATED STEEL CULVERT PIPE
CSM	CERTIFIED SURVEY MAP
CTH	COUNTY TRUNK HIGHWAY
CULV	CULVERT
CP	CULVERT PIPE
C&G	CURB & GUTTER
D	DEGREE OF CURVE
DHV	DESIGN HOURLY VOLUME
DIA	DIAMETER
DWY	DRIVEWAY
E	EAST
X	EAST GRID COORDINATE
ELEV	ELEVATION
EW	ENDWALL
ENT	ENTRANCE
ESALS	EQUIVALENT SINGLE AXLE LOADS
EXC	EXCAVATION
EBS	EXCAVATION BELOW SUBGRADE
EXIST	EXISTING
FF	FACE TO FACE
FERT	FERTILIZER
FE	FIELD ENTRANCE
FG	FINISHED GRADE
FT	FOOT
G.V.	GAS VALVE
INV	INVERT
IP	IRON PIPE
JCT	JUNCTION
LHF	LEFT HAND FORWARD
L	LENGTH
LS	LUMP SUM
NC	NORMAL CROWN
N	NORTH
Y	NORTH GRID COORDINATE
PACS	PIPE ARCH CORRUGATED STEEL
PT	POINT
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PT	POINT OF TANGENCY
PL	PROPERTY LINE
PE	PRIVATE ENTRANCE
R	RADIUS
REQ'D	REQUIRED
R/W	RIGHT-OF-WAY
RHF	RIGHT HAND FORWARD
SALV	SALVAGED
SHLDR	SHOULDER
SDD	STANDARD DETAIL DRAWING
STA	STATION
SE	SUPERELEVATION
TAN	TANGENT
TLE	TEMPORARY LIMITED EASEMENT
T	TRUCKS
TYP	TYPICAL
VERT	VERTICAL
VC	VERTICAL CURVE
VOL	VOLUME
WV	WATER VALVE
W	WELL

UTILITIES

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

COMMUNICATION:
AT&T
ATTN: CHARLES BARTELT
70 E DIVISION STREET
FOND DU LAC, WI 54935
OFFICE: 920-929-1013
EMAIL: CB1461@ATT.COM

ELECTRIC/GAS
ALLIANT ENERGY
ATTN: BILL BASTIAN
883 WEST SCOTT STREET
FOND DU LAC, WI 54937
OFFICE: 920-322-6716
EMAIL: WILLIAMBASTIAN@ALLIANTENERGY.COM

* NOT A DIGGERS HOTLINE MEMBER

*ELECTRIC:
CITY OF FOND DU LAC
ATTN: PAUL DE VRIES
160 S MACY STREET
FOND DU LAC, WI 54935
OFFICE: 920-322-3473
EMAIL: PDEVRIES@FDL.WI.GOV

COMMUNICATION:
CHARTER COMMUNICATIONS
ATTN: TODD HILDEBRANDT
165 KNIGHTS WAY
FOND DU LAC, WI 54935
CELL: 920-794-4946
EMAIL: TODD.HILDEBRANDT@CHARTER.COM

*WATER:
CITY OF FOND DU LAC
ATTN: PAUL DE VRIES
160 S MACY STREET
FOND DU LAC, WI 54935
OFFICE: 920-322-3473
EMAIL: PDEVRIES@FDL.WI.GOV

*SANITARY:
CITY OF FOND DU LAC
ATTN: PAUL DE VRIES
160 S MACY STREET
FOND DU LAC, WI 54935
OFFICE: 920-322-3473
EMAIL: PDEVRIES@FDL.WI.GOV

*FIBER:
FOND DU LAC SCHOOL DISTRICT
ATTN: GREG SELISSEN
PO BOX 11064
GREEN BAY, WI 54307
OFFICE: 920-301-7904
CELL: 920-328-8452
EMAIL: GSELISSEN@MCEWI.COM

DOT DESIGN CONTACT

WISDOT NE REGION
ATTN: JODI JAROSINSKI, P.E.
944 VANDERPERREN WAY
GREEN BAY, WI 54304
OFFICE: 920-360-2351
EMAIL: JODI.JAROSINSKI@DOT.WI.GOV

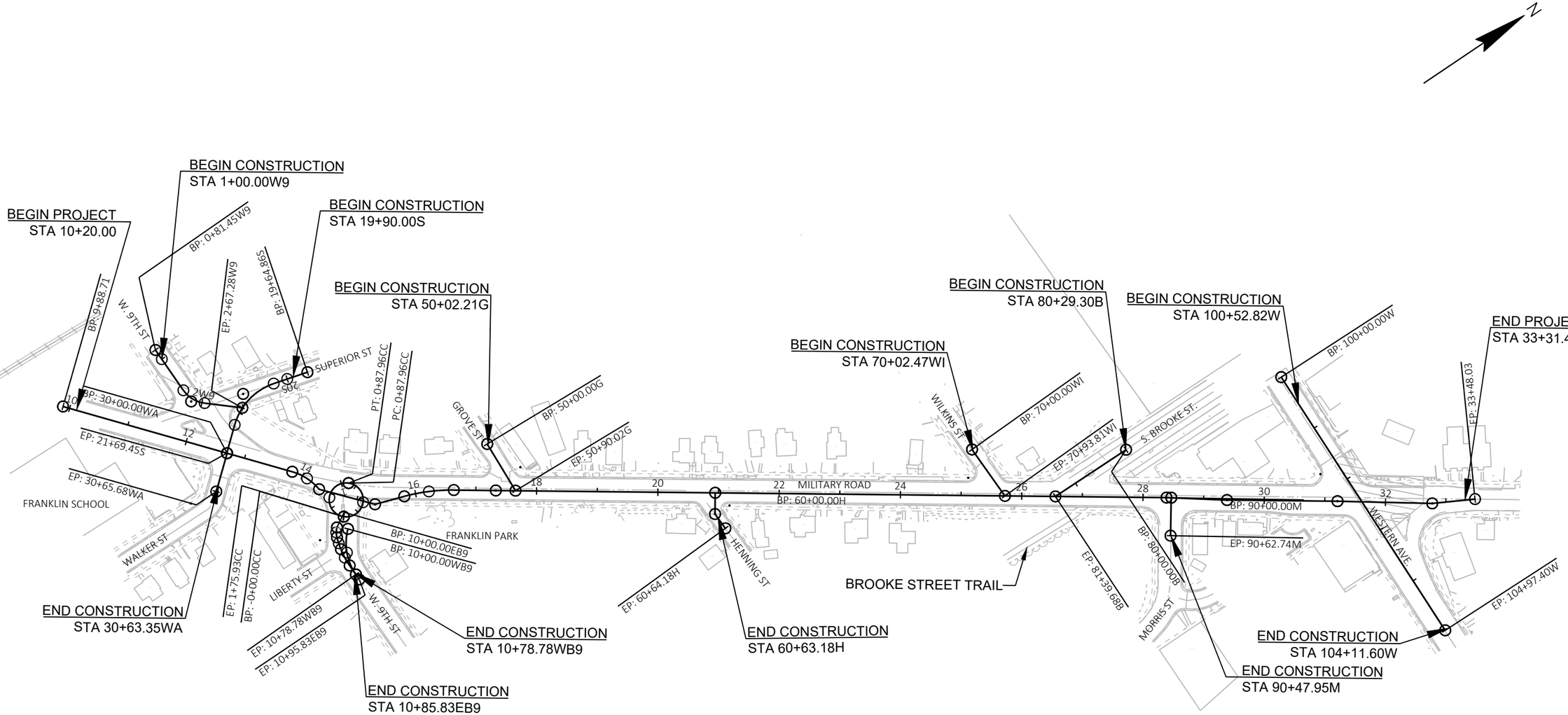
MSA DESIGN CONTACT

MSA PROFESSIONAL SERVICES, INC.
ATTN: BOBBI MAXWELL, P.E.
1230 SOUTH BOULEVARD
BARABOO, WI 53913
OFFICE: 608-355-8861
EMAIL: BMAXWELL@MSA-PS.COM

DNR LIAISON

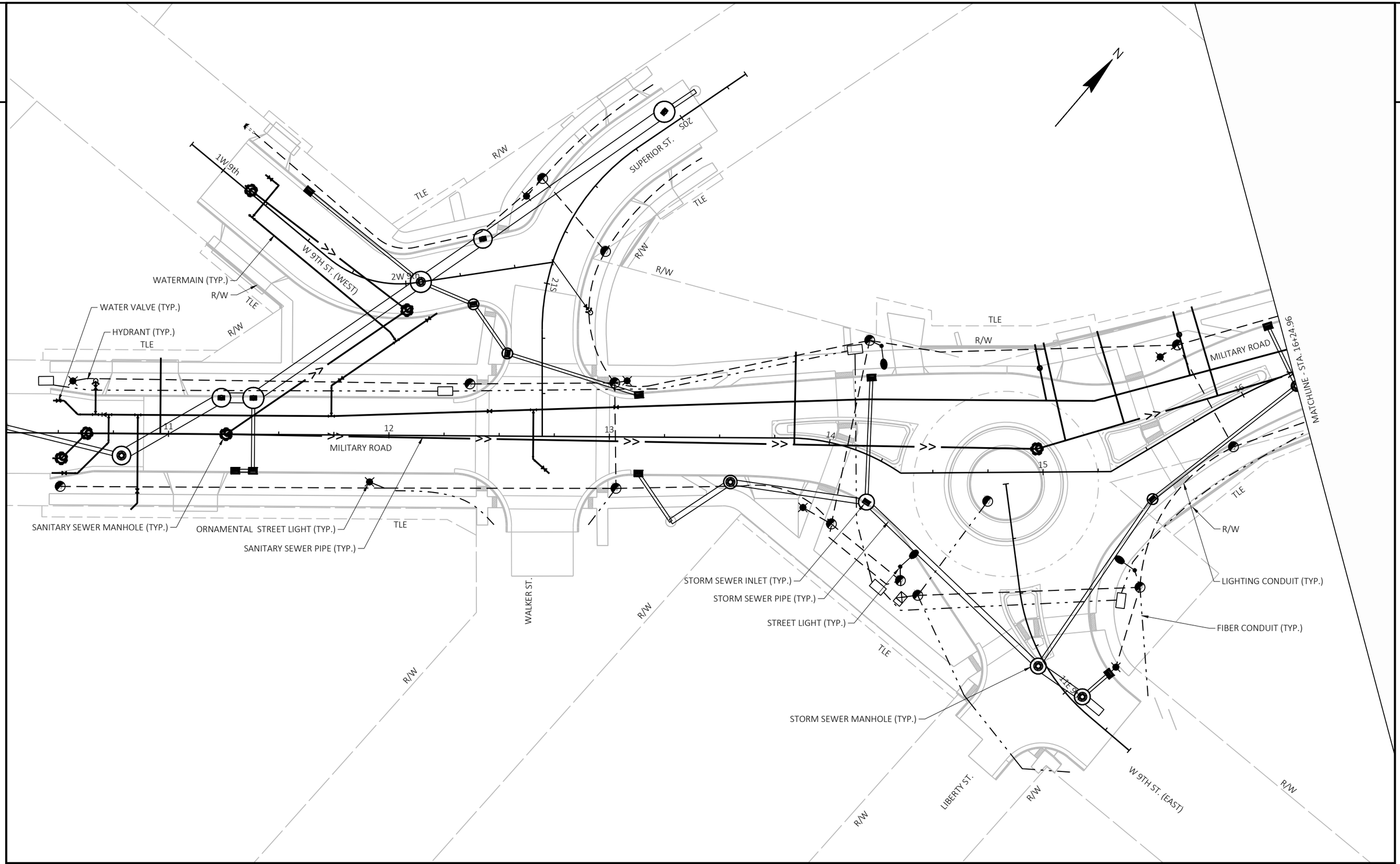
WISCONSIN DEPARMENT OF NATURAL RESOURCES
ATTN: JAY SCHIEFELBEIN
ENVIRONMENTAL ANALYSIS & REVIEW SPECIALIST
DNR SERVICE CENTER
2984 SHAWANO AVE.
GREEN BAY, WI 54313
OFFICE: 920-360-3784
EMAIL: JEREMIAH.SCHIEFELBEIN@WISCONSIN.GOV

2



PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	PROJECT OVERVIEW	SHEET 3	E

2



PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	UTILITY OVERVIEW	SHEET 4	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSOTHER\UTILITIES OVERVIEW.DWG
LAYOUT NAME - 01

PLOT DATE : 10/27/2021 10:34 AM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

R/W

GROVE ST.

R/W

WATER VALVE (TYP.)

HYDRANT (TYP.)

ORNAMENTAL STREET LIGHT (TYP.)

R/W

WATERMAIN (TYP.)

TLE

TLE

TLE

MILITARY ROAD

17

18

19

20

21

22

MATCHLINE - STA. 16+24.96

MATCHLINE - STA. 22+25.00

TLE

SANITARY SEWER MANHOLE (TYP.)

SANITARY SEWER PIPE (TYP.)

ORNAMENTAL STREET LIGHT (TYP.)

STORM SEWER PIPE (TYP.)

STORM SEWER INLET (TYP.)

R/W

TLE

STORM SEWER MANHOLE (TYP.)

TLE

LIGHTING CONDUIT (TYP.)

FIBER CONDUIT (TYP.)

R/W

R/W

HENNING ST.

R/W

R/W

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	UTILITY OVERVIEW	SHEET 5	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSOTHER\UTILITIES OVERVIEW.DWG
LAYOUT NAME - 02

PLOT DATE : 10/27/2021 10:34 AM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

WILKINS ST.

S. BROOKE ST.

STORM SEWER MANHOLE (TYP.)

HYDRANT (TYP.)

WATER VALVE (TYP.)

R/W

R/W

WATERMAIN (TYP.)

TLE

TLE

MILITARY ROAD

23

24

25

26

27

28

MATCHLINE - STA. 22+25.00

MATCHLINE - STA. 28+25.00

TLE

TLE

TLE

ORNAMENTAL STREET LIGHT (TYP.)

SANITARY SEWER PIPE (TYP.)

STORM SEWER PIPE (TYP.)

STORM SEWER INLET (TYP.)

SANITARY SEWER MANHOLE (TYP.)

R/W

LIGHTING CONDUIT (TYP.)

FIBER CONDUIT (TYP.)

STREET LIGHT (TYP.)

R/W

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	UTILITY OVERVIEW	SHEET 6	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSOTHER\UTILITIES OVERVIEW.DWG
LAYOUT NAME - 03

PLOT DATE : 10/27/2021 10:34 AM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

MATCHLINE - STA. 28+25.00

SIGNAL LOOP DETECTOR (TYP.)

SIGNAL LOOP DETECTOR CONDUIT (TYP.)

STREET LIGHT (TYP.)

R/W

WATERMAIN (TYP.)

R/W

TLE

WESTERN AVE.

SIGNAL CONDUIT (TYP.)

SIGNAL BASE (TYP.)

PUSH BUTTON BASE (TYP.)

WATER VALVE (TYP.)

TLE

MILITARY ROAD

MILITARY ROAD

TLE

STORM SEWER PIPE (TYP.)

STORM SEWER MANHOLE (TYP.)

STORM SEWER INLET (TYP.)

LIGHTING CONDUIT (TYP.)

HYDRANT (TYP.)

PULLBOX (TYP.)

CONTROL BOX (TYP.)

FIBER CONDUIT (TYP.)

SANITARY SEWER PIPE (TYP.)

SANITARY SEWER MANHOLE (TYP.)

WESTERN AVE.

TLE

R/W

TLE

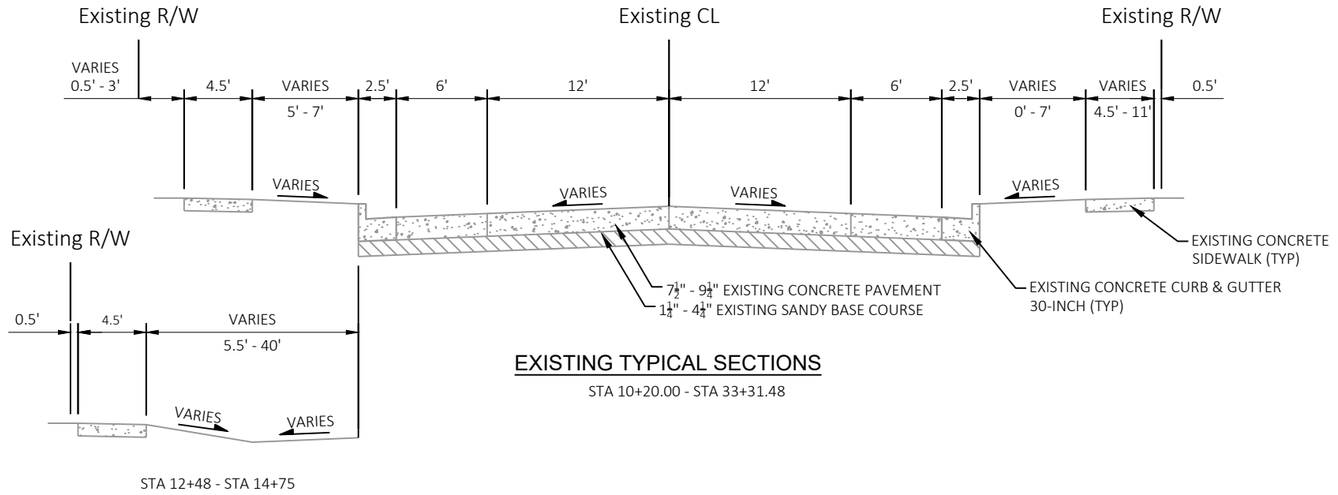
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WISDOT/CADDS SHEET 42

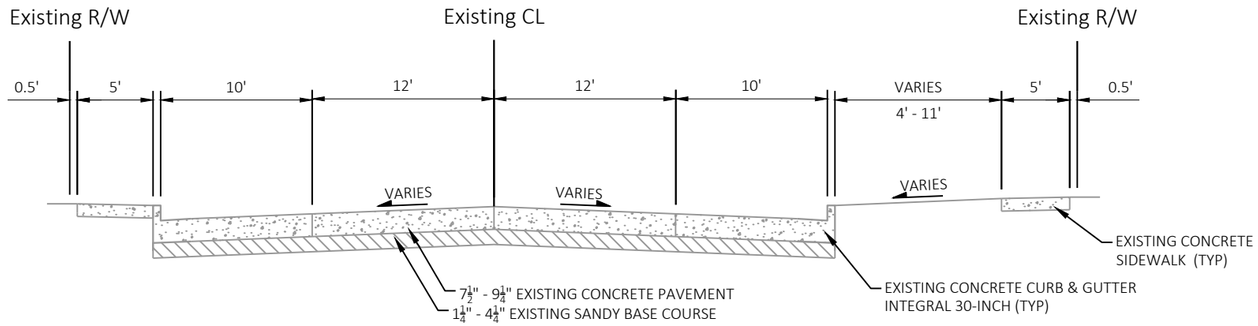
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EXISTING TYPICAL SECTIONS

STA 10+20.00 - STA 33+31.48

STA 12+48 - STA 14+75

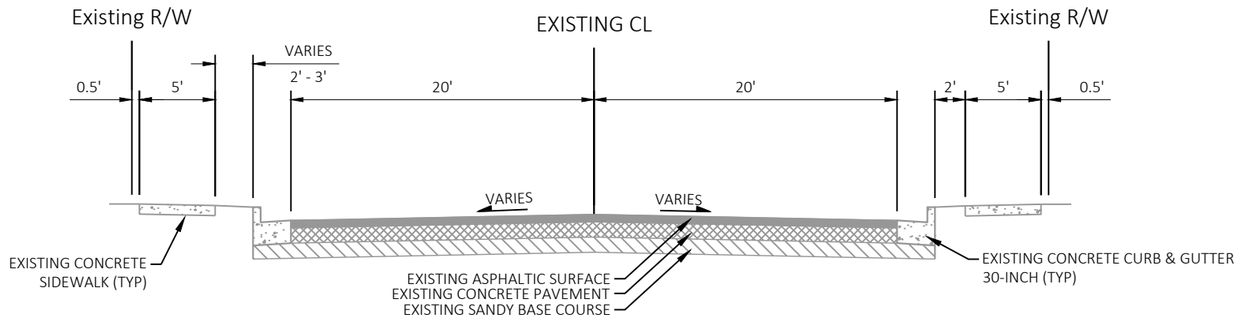


EXISTING TYPICAL SECTIONS

STA 80+00.00B - 81+40.00B

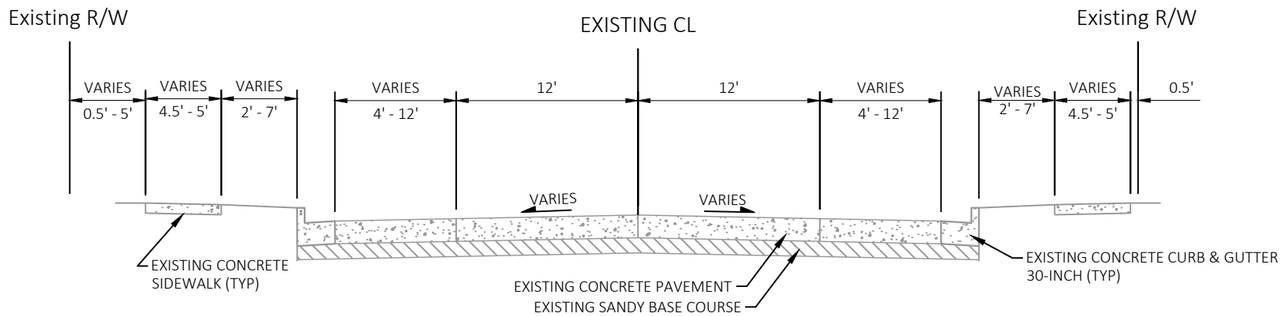
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FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 020301-ts 1in-10ft
PLOT DATE : 10/26/2021 5:07 PM
PLOT BY : CONNOR GIRTEN
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



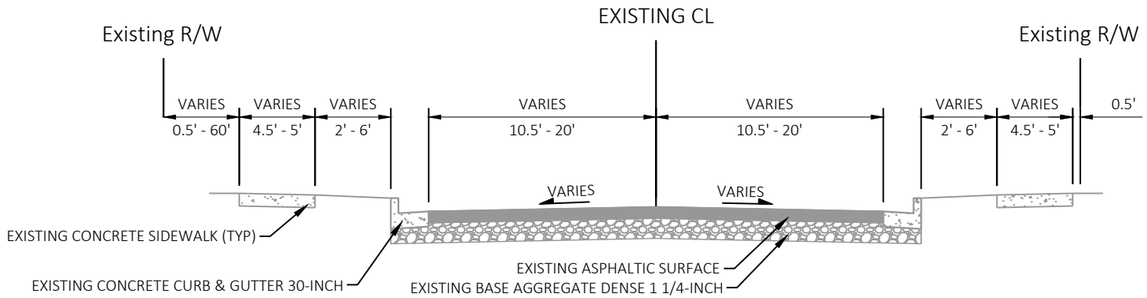
EXISTING TYPICAL SECTION

STA 100+52.82W - 101+57.00W



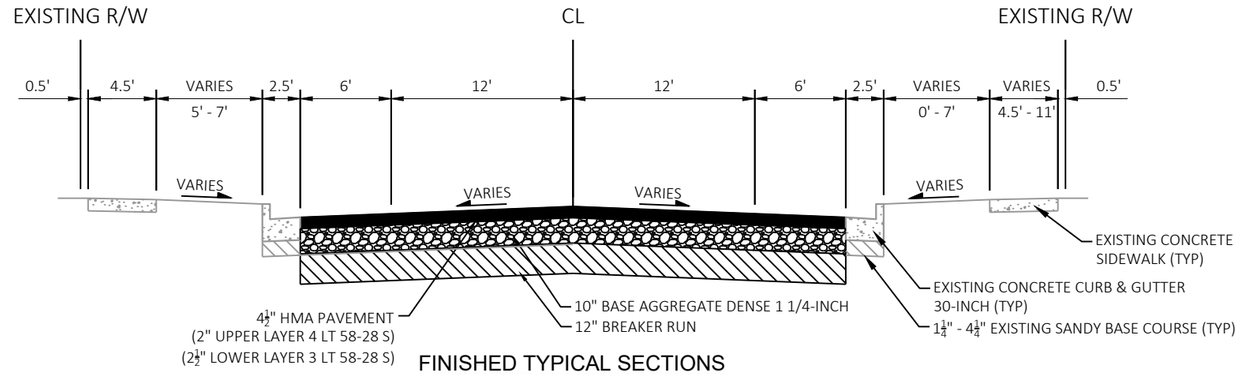
EXISTING TYPICAL SECTION

STA 101+57.00W - 104+11.00W
W. 9TH ST. & MORRIS ST.



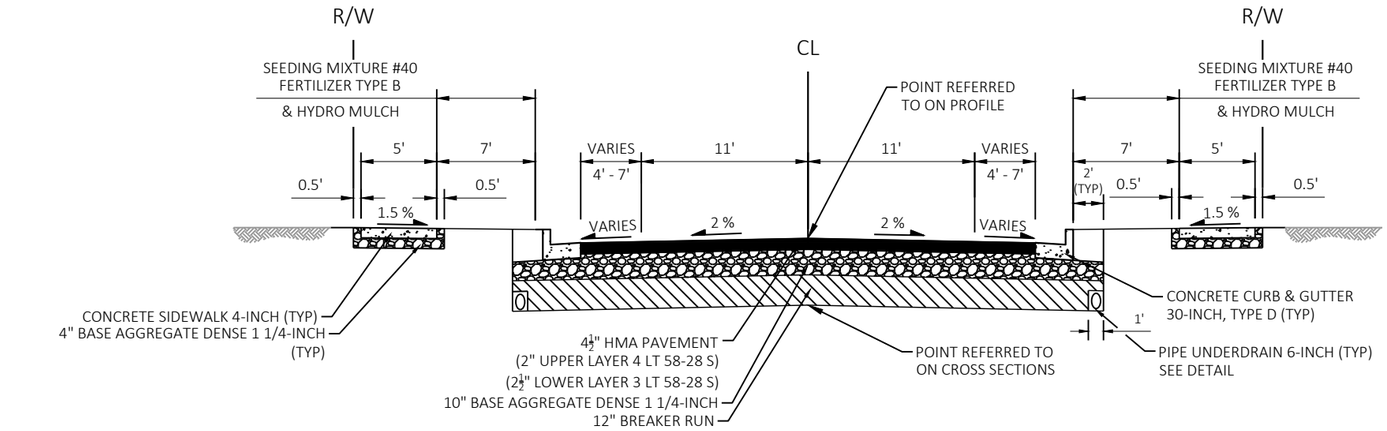
EXISTING TYPICAL SECTION

WALKER STREET, LIBERTY STREET
GROVE STREET, HENNING STREET
SUPERIOR STREET, WILKINS STREET



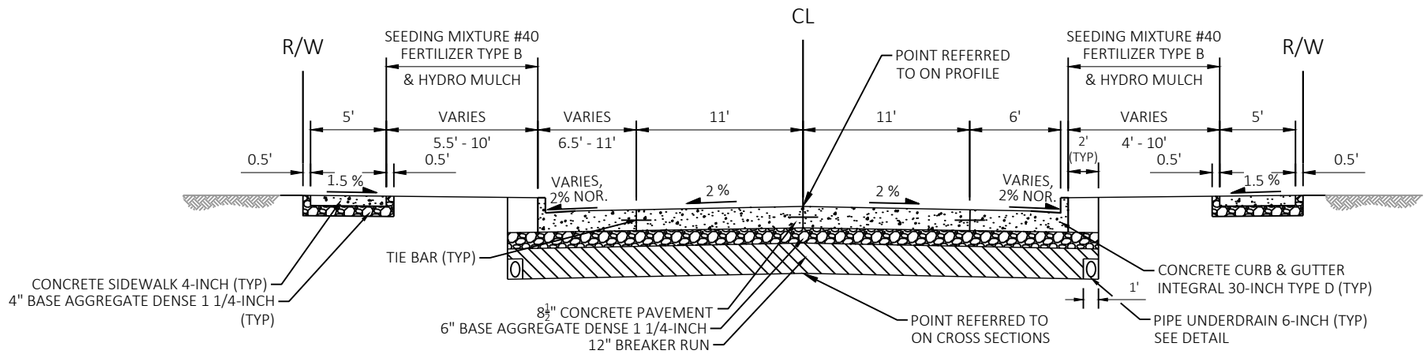
FINISHED TYPICAL SECTIONS

STA 10+20.00 - STA 10+57.37



FINISHED TYPICAL SECTION

STA 10+57.37 - STA 10+88.71



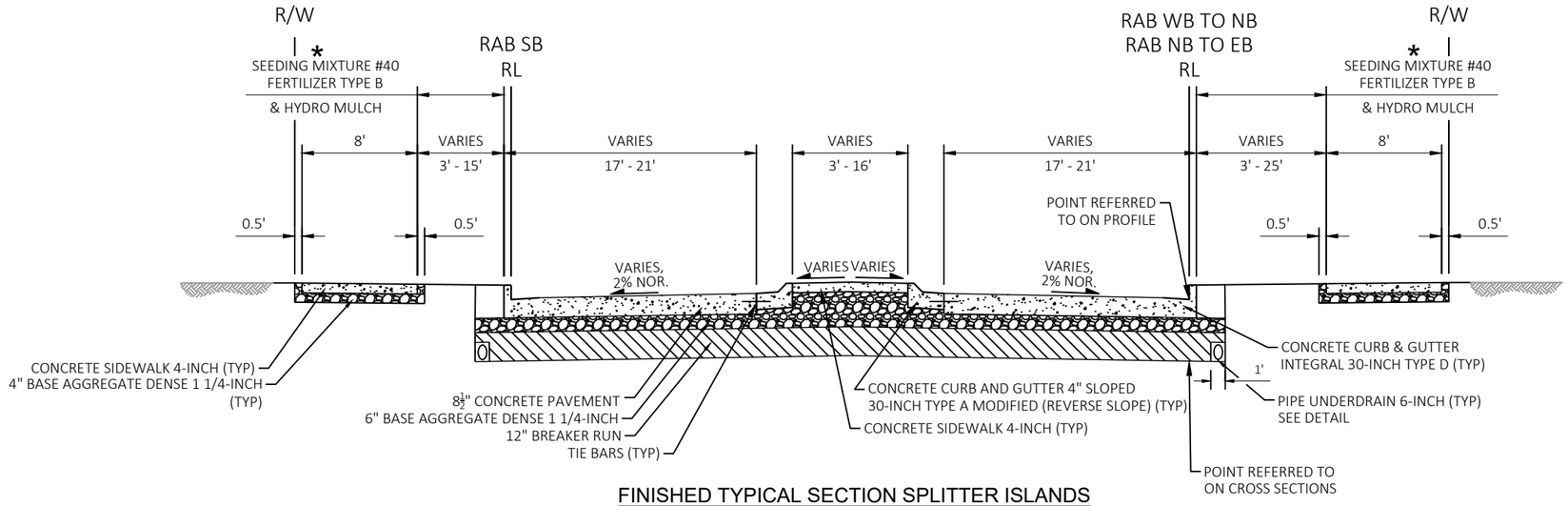
FINISHED TYPICAL SECTION

STA 10+88.71 - STA 13+75.00
STA 16+15.00 -STA 17+73.00

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	TYPICAL SECTIONS	SHEET 10	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 020303-ts 1in-10ft

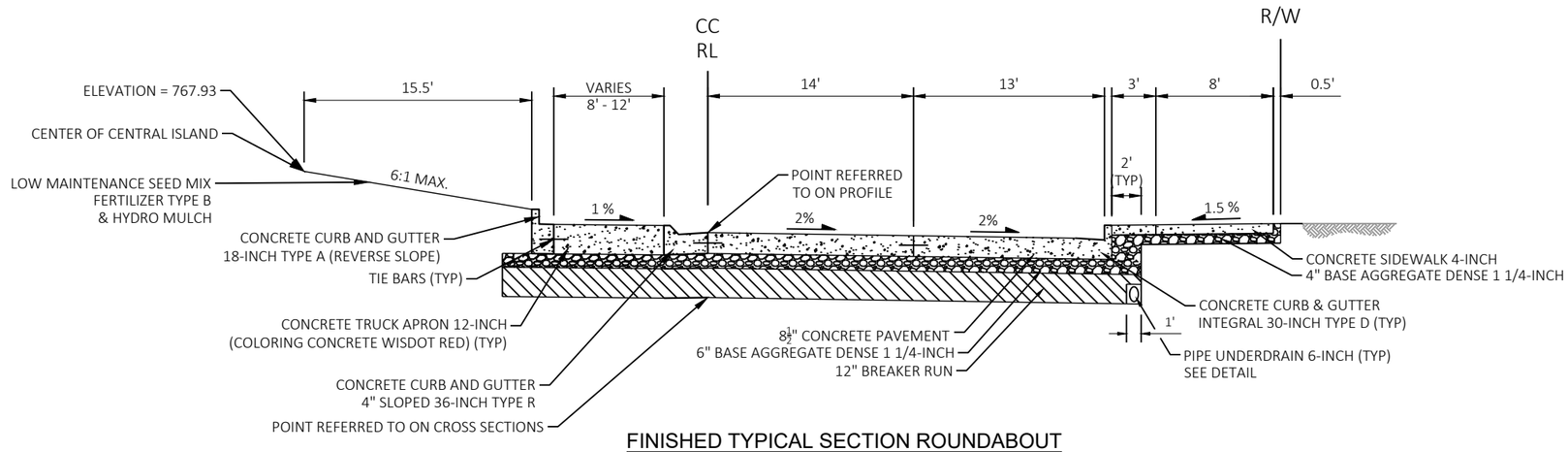
PLOT DATE : 10/26/2021 5:07 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:10 FT



FINISHED TYPICAL SECTION SPLITTER ISLANDS

RAB NB TO EB: STA 13+84.00NE - STA 14+34.00NE
RAB WB TO NB: STA 14+70.00WN - STA 14+93.00WN
RAB WB TO NB: STA 15+43.00WN - STA 16+18.00WN

* TERRACE 3' OR SMALLER WILL BE CONCRETE SIDEWALK 4-INCH

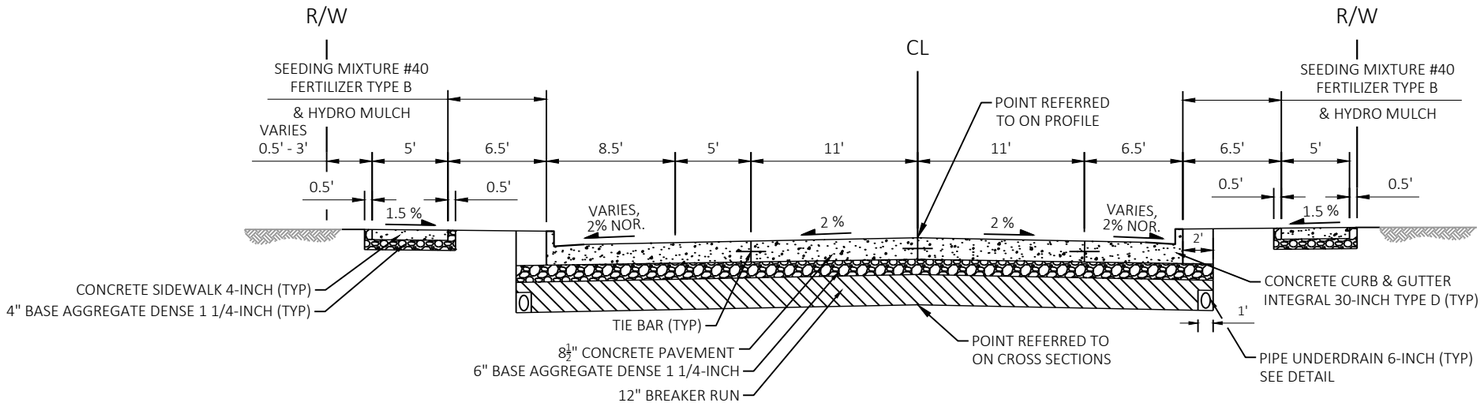


FINISHED TYPICAL SECTION ROUNDABOUT

STA 0+00.00CC - 1+75.93CC

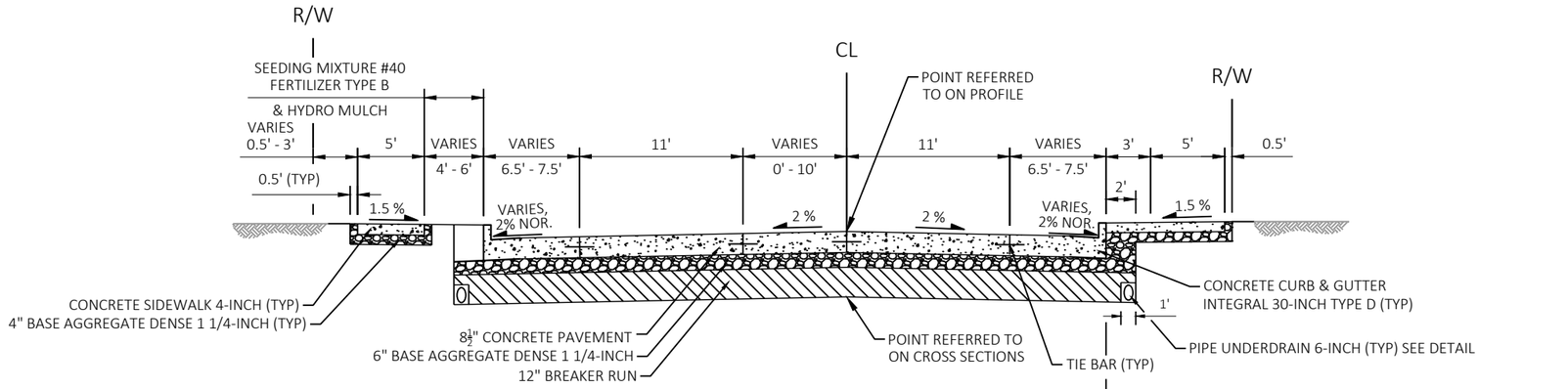
PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	TYPICAL SECTIONS	SHEET 11	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 020304-ts 1in-10ft
PLOT DATE : 10/26/2021 5:07 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:10 FT



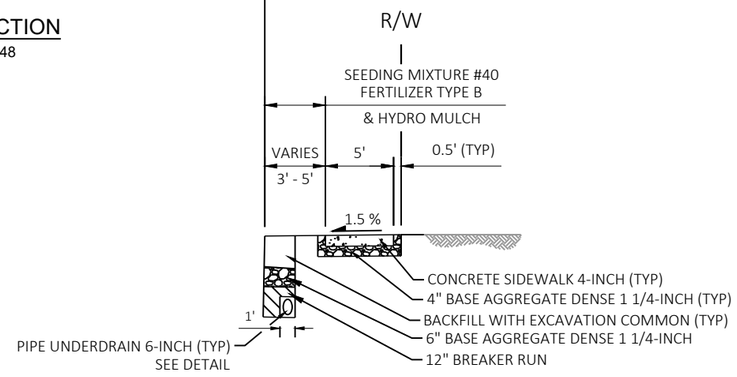
FINISHED TYPICAL SECTION

STA 17+73.00 - STA 29+38.00



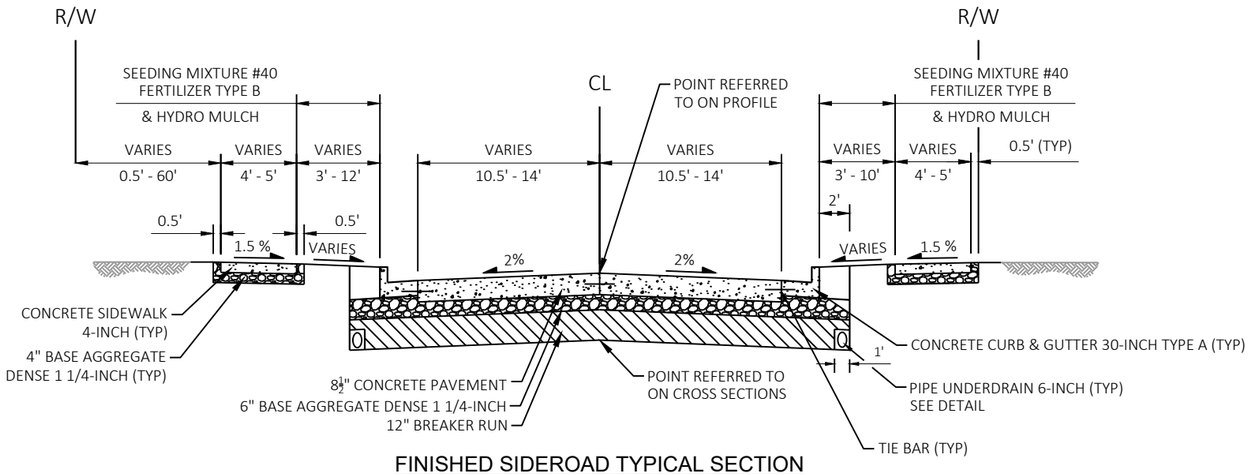
FINISHED TYPICAL SECTION

STA 29+38.00 - STA 33+31.48



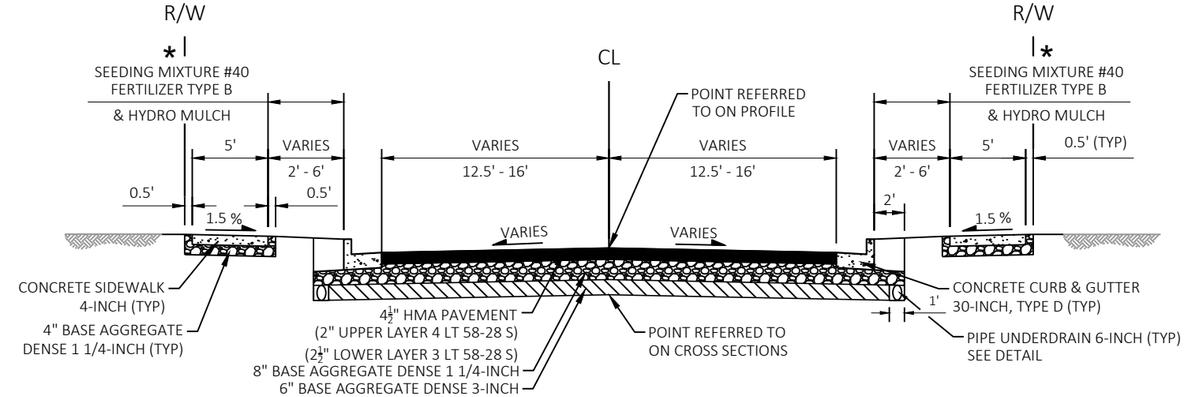
STA 30+55.00 - STA 33+31.50

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	TYPICAL SECTIONS	SHEET 12	E



FINISHED SIDEROAD TYPICAL SECTION

SUPERIOR STREET
STA 21+03.24S - STA 21+53.24S
WALKER STREET
STA 30+15.00WA - STA 30+43.35WA
GROVE STREET
STA 50+22.21G - STA 50+76.98G
HENNING STREET
STA 60+15.00H - STA 60+35.22H
WILKINS STREET
STA 70+22.47WI - STA 70+80.43WI

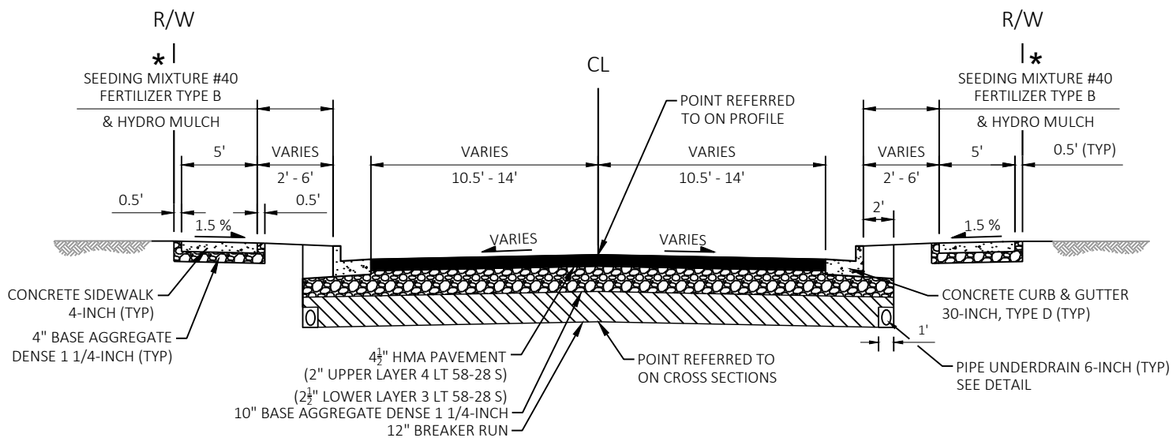


FINISHED SIDEROAD TYPICAL SECTION

W. 9TH STREET (WEST)
STA 1+00.00W9 - STA 2+45.04W9
SUPERIOR STREET
STA 19+90.00S - STA 21+03.24S

* TERRACE 3' OR SMALLER WILL BE CONCRETE SIDEWALK 4-INCH W/ 4" BASE AGGREGATE DENSE 1 1/4-INCH

2

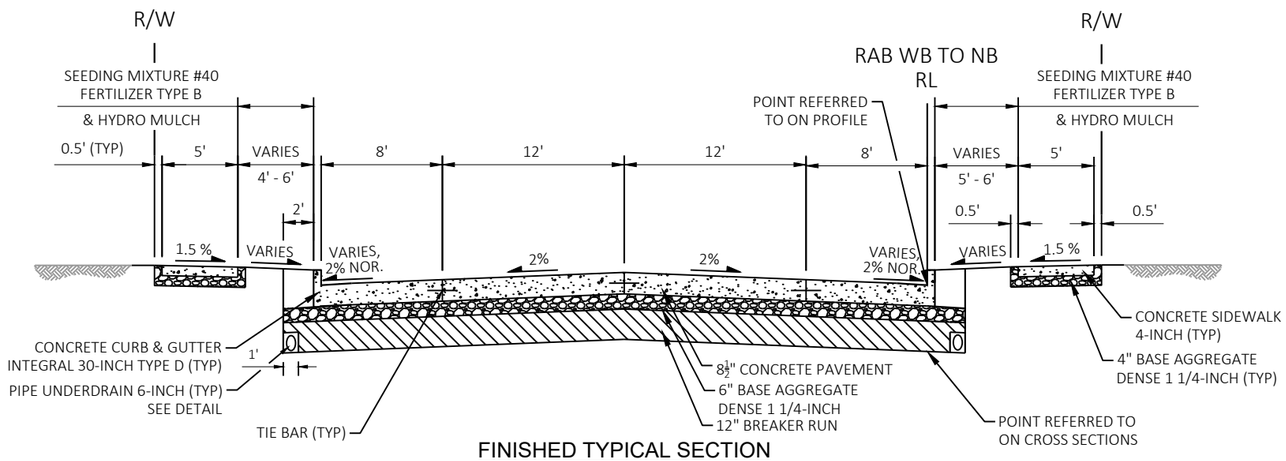


FINISHED SIDEROAD TYPICAL SECTION

WALKER STREET
STA 30+43.35WA - STA 30+63.35WA
GROVE STREET
STA 50+02.21G - STA 50+22.21G

HENNING STREET
STA 60+35.22H - STA 60+63.18H
WILKINS STREET
STA 70+02.47WI - STA 70+22.47WI

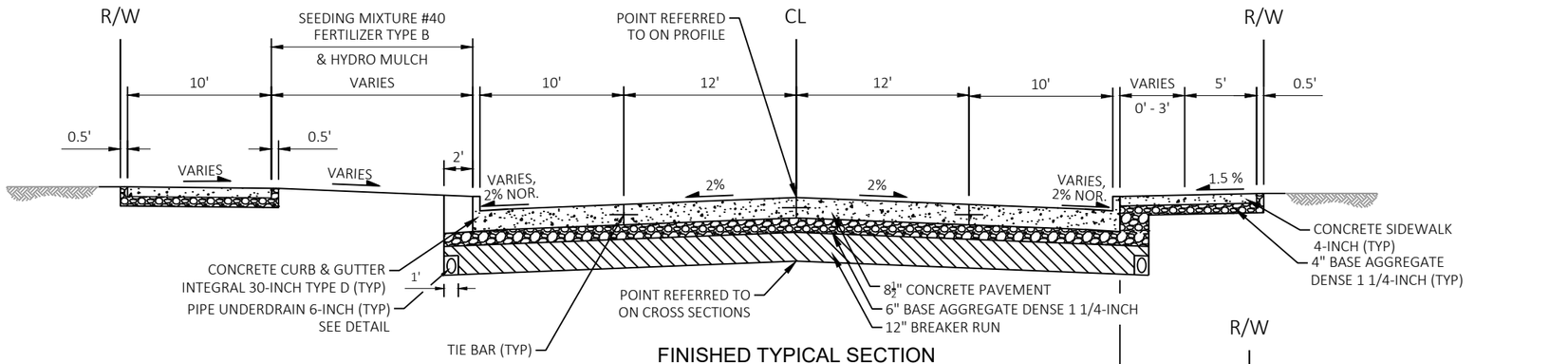
* TERRACE 3' OR SMALLER WILL BE CONCRETE SIDEWALK 4-INCH W/ 4" BASE AGGREGATE DENSE 1 1/4-INCH



FINISHED TYPICAL SECTION

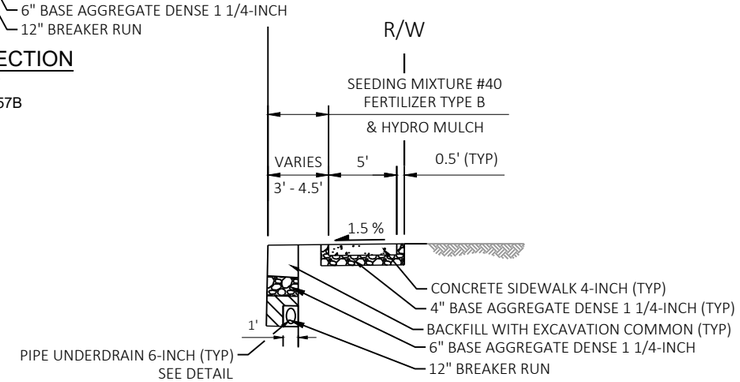
W. 9TH ST. (EAST)
STA 14+35.84WN - STA 14+70.00WN

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	TYPICAL SECTIONS	SHEET 14	E

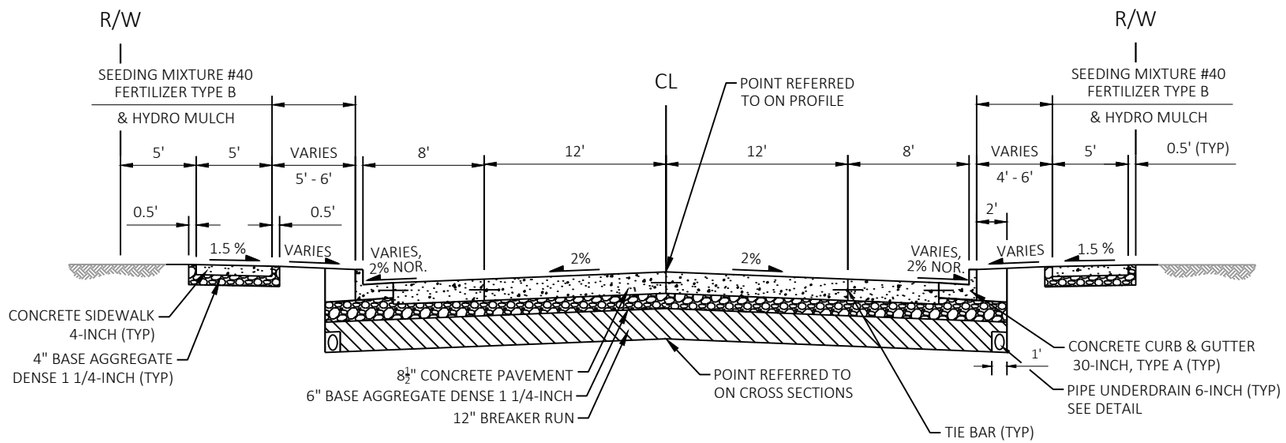


FINISHED TYPICAL SECTION

S. BROOKE STREET
STA 80+29.30B - 81+35.57B



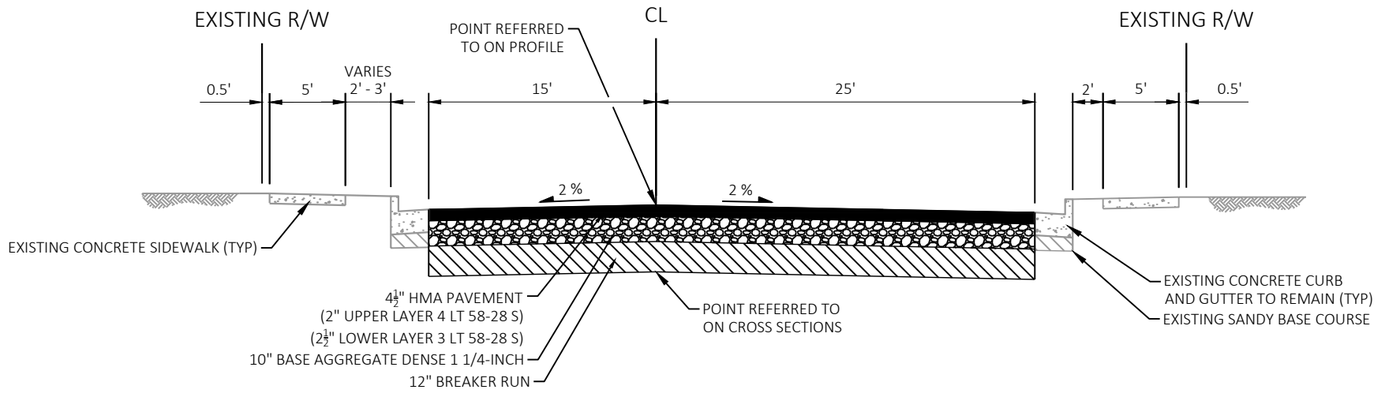
STA 80+96.00B - STA 81+30.00B



FINISHED TYPICAL SECTION

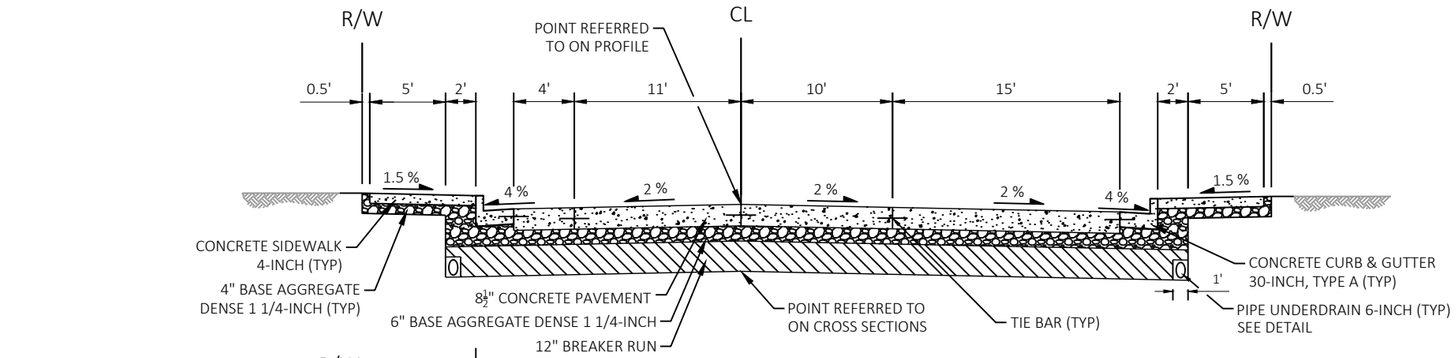
MORRIS ST.
STA 90+15.30M - 90+47.95M

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	TYPICAL SECTIONS	SHEET 15	E



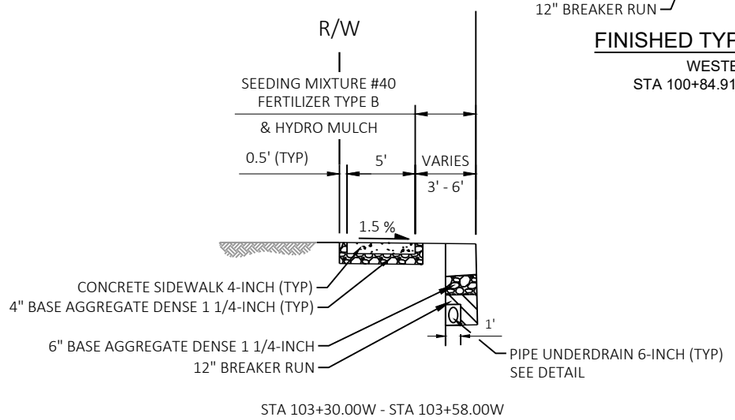
FINISHED TYPICAL SECTION

WESTERN AVE
STA 100+52.82W - 100+84.91W



FINISHED TYPICAL SECTION

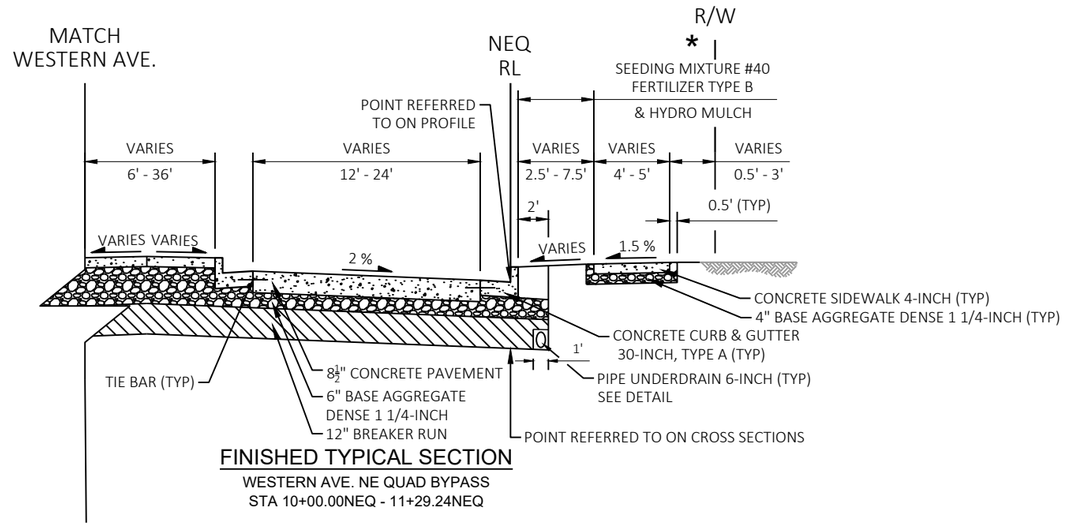
WESTERN AVE
STA 100+84.91W - 104+11.60W



STA 103+30.00W - STA 103+58.00W

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	TYPICAL SECTIONS	SHEET 16	E

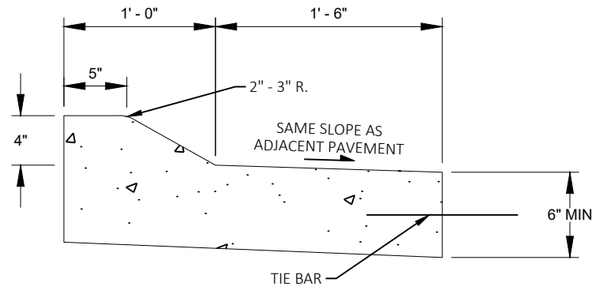
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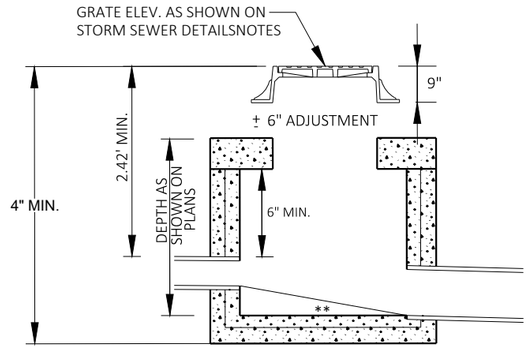
FINISHED TYPICAL SECTION

WESTERN AVE. NE QUAD BYPASS
STA 10+00.00NEQ - 11+29.24NEQ

* TERRACE 3' OR SMALLER WILL BE CONCRETE SIDEWALK 4-INCH

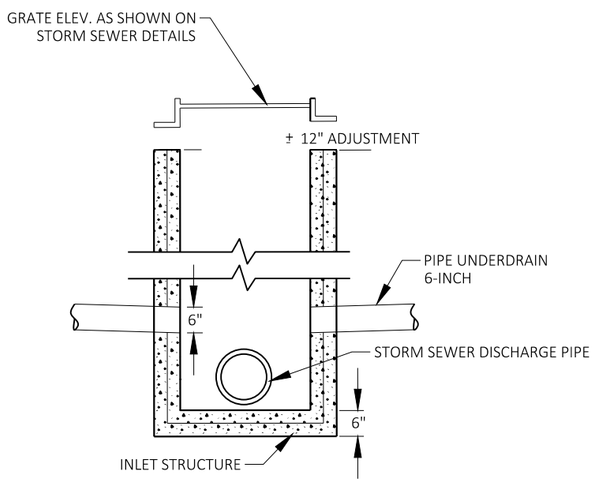


CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE A MODIFIED

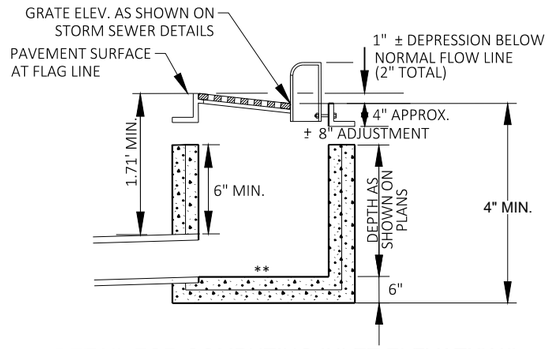


DETAIL FOR COMPUTING MANHOLE ELEVATIONS

** FILL WITH CONCRETE IF BOTTOM OF STRUCTURE IS BELOW LOWEST INVERT.
THIS DOES NOT APPLY TO SUMPS

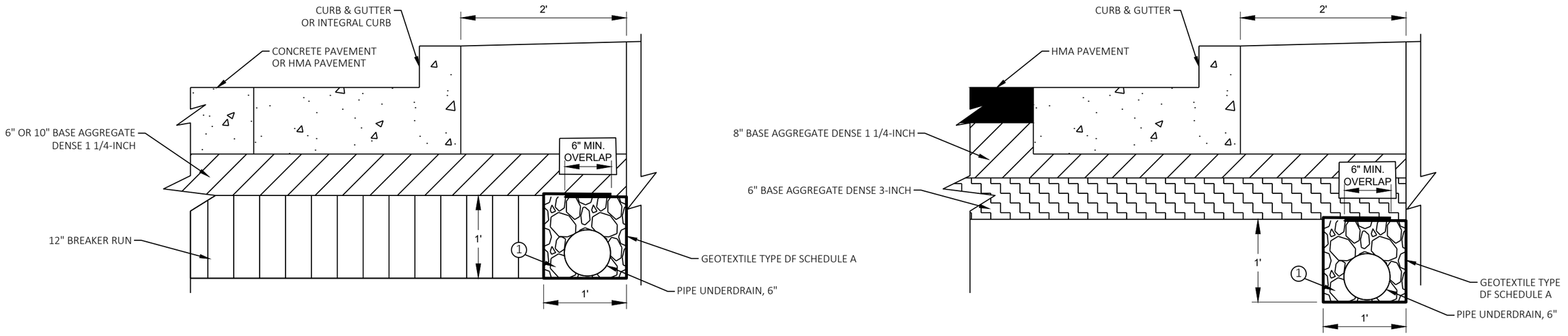


UNDERDRAIN OUTFALL AT INLET



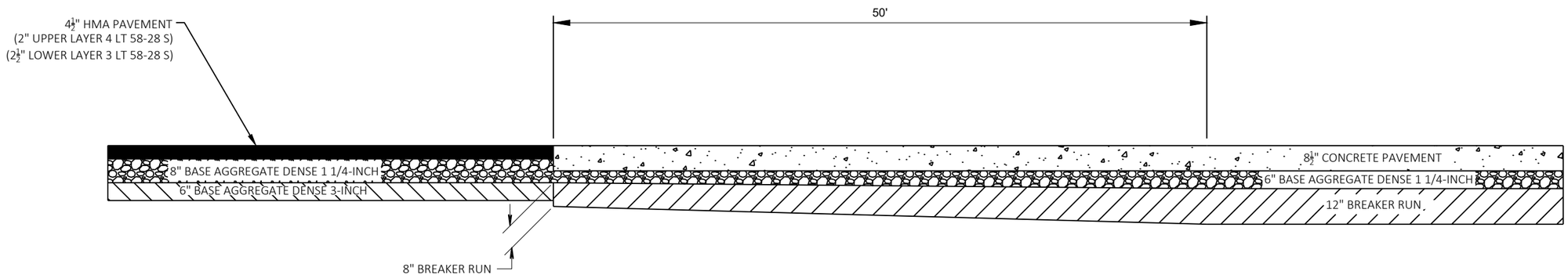
DETAIL FOR COMPUTING INLET ELEVATIONS

** FILL WITH CONCRETE IF BOTTOM OF STRUCTURE IS BELOW LOWEST INVERT.
THIS DOES NOT APPLY TO SUMPS



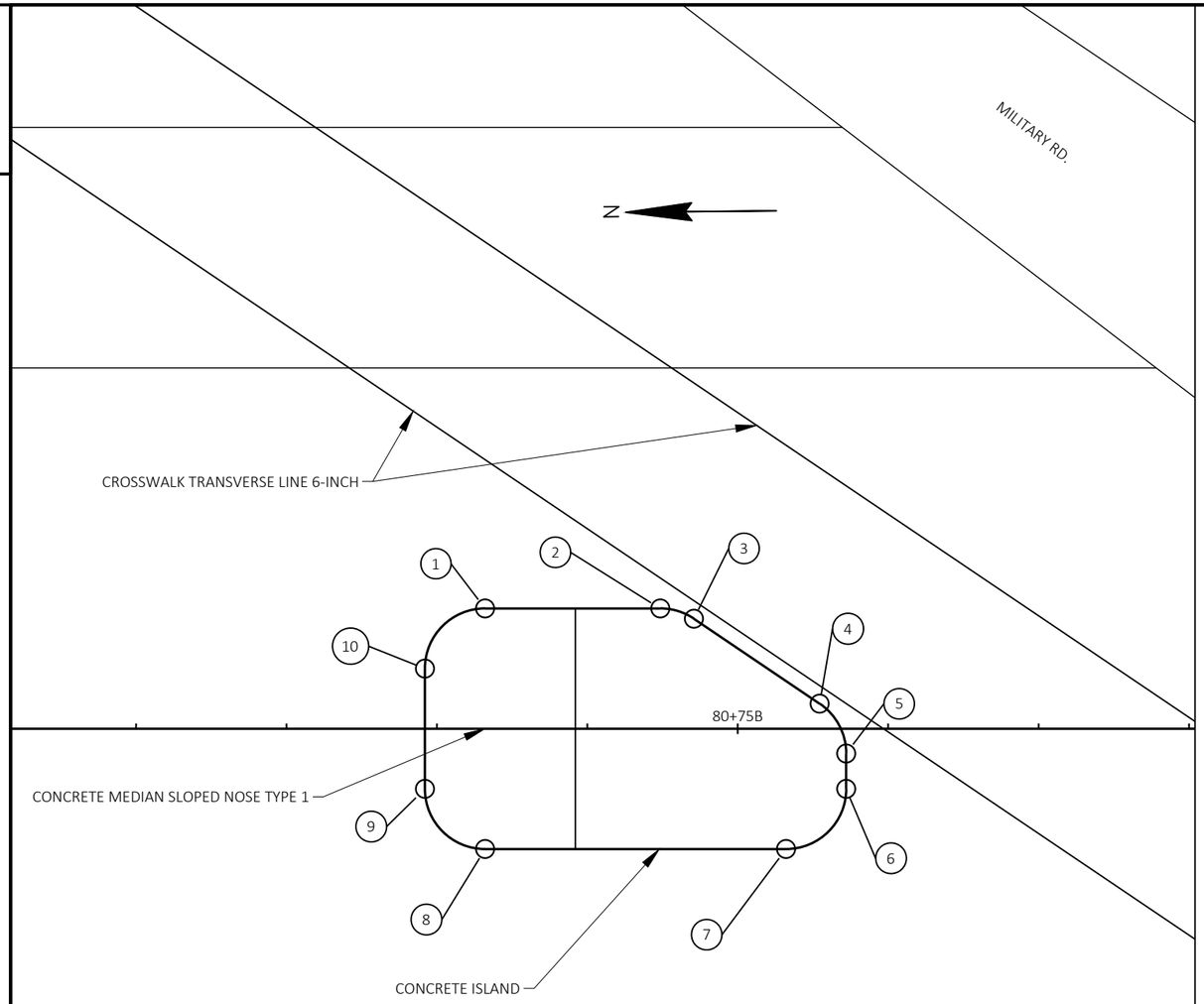
UNDERDRAIN INSTALLATION

(1) TRENCH BACKFILL WILL BE PAID FOR AS BASE AGGREGATE OPEN GRADED



PAVEMENT STRUCTURE TRANSITION DETAIL

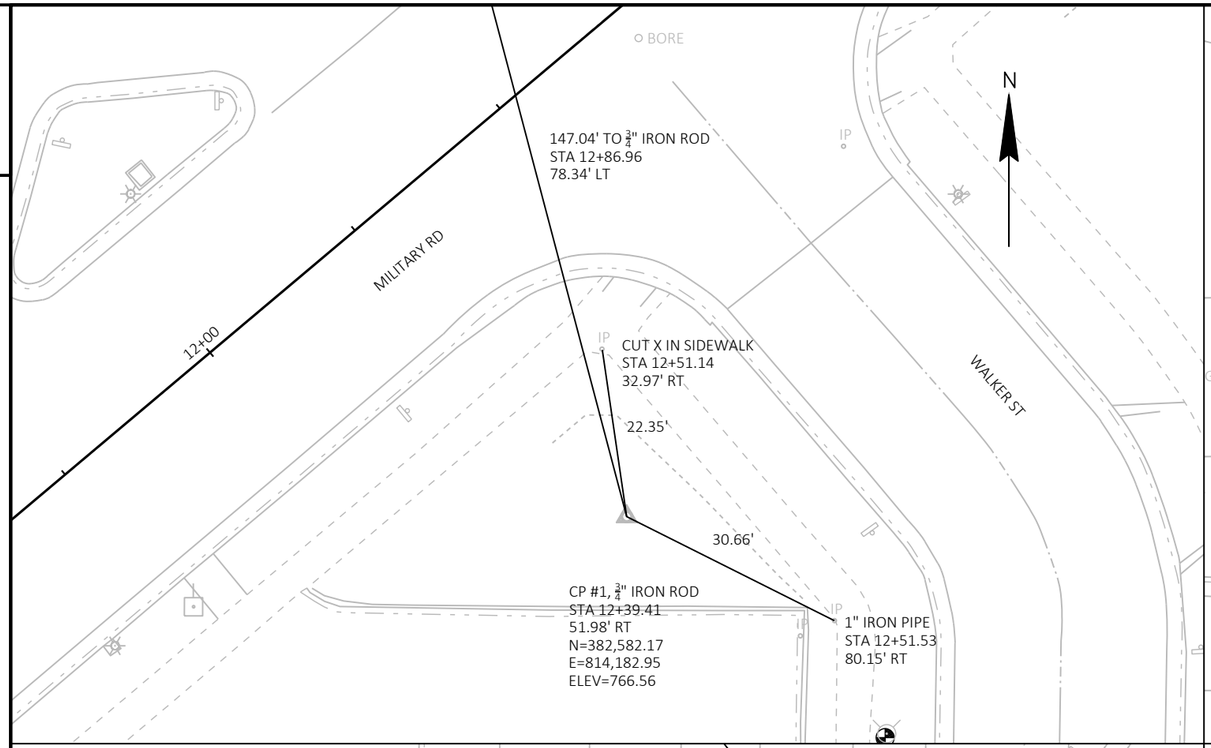
STA 21+03.24S - STA 21+53.24S

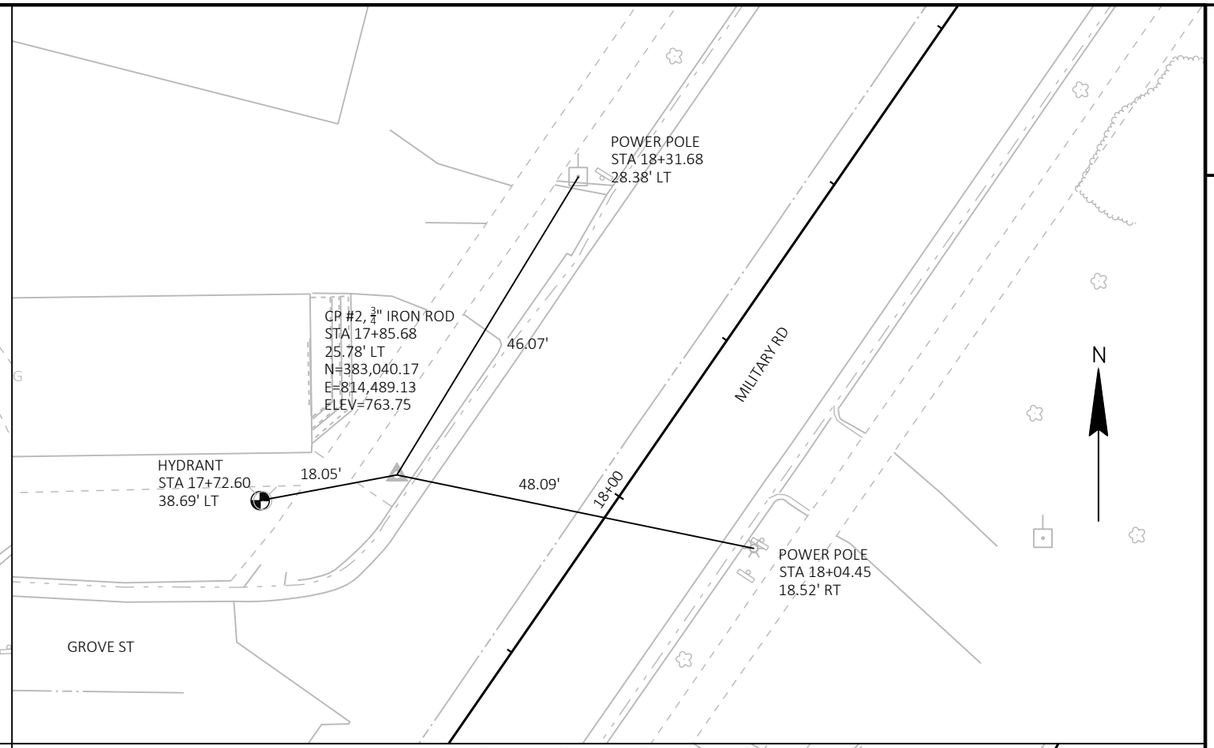


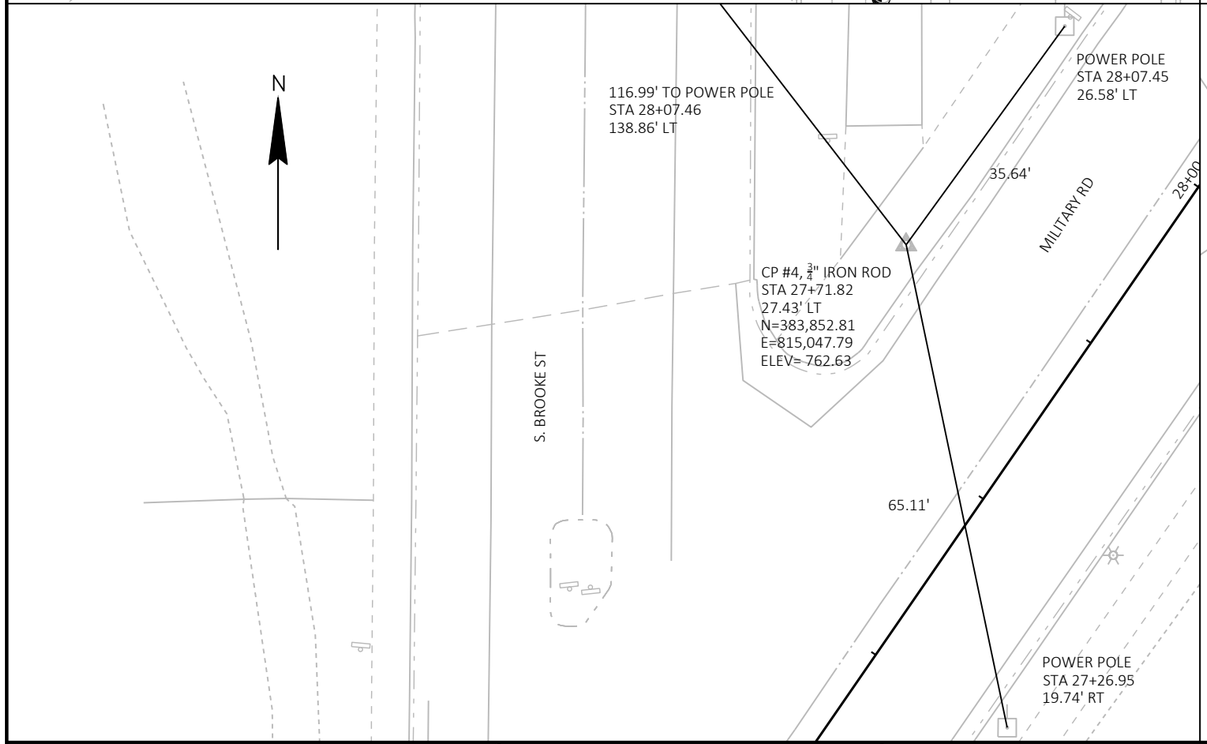
POINT TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
1	80+66.60B	-4.00	383814.508	815009.002	762.40
2	80+72.42B	-4.00	383808.687	815008.946	762.41
3	80+73.54B	-3.66	383807.571	815008.592	762.41
4	80+77.72B	-0.83	383803.420	815005.727	762.43
5	80+78.60B	0.82	383802.555	815004.062	762.44
6	80+78.60B	2.00	383802.567	815002.886	762.43
7	80+76.60B	4.00	383804.586	815000.905	762.41
8	80+66.60B	4.00	383814.586	815001.003	762.39
9	80+64.60B	2.00	383816.566	815003.022	762.40
10	80+64.60B	-2.00	383816.527	815007.022	762.41

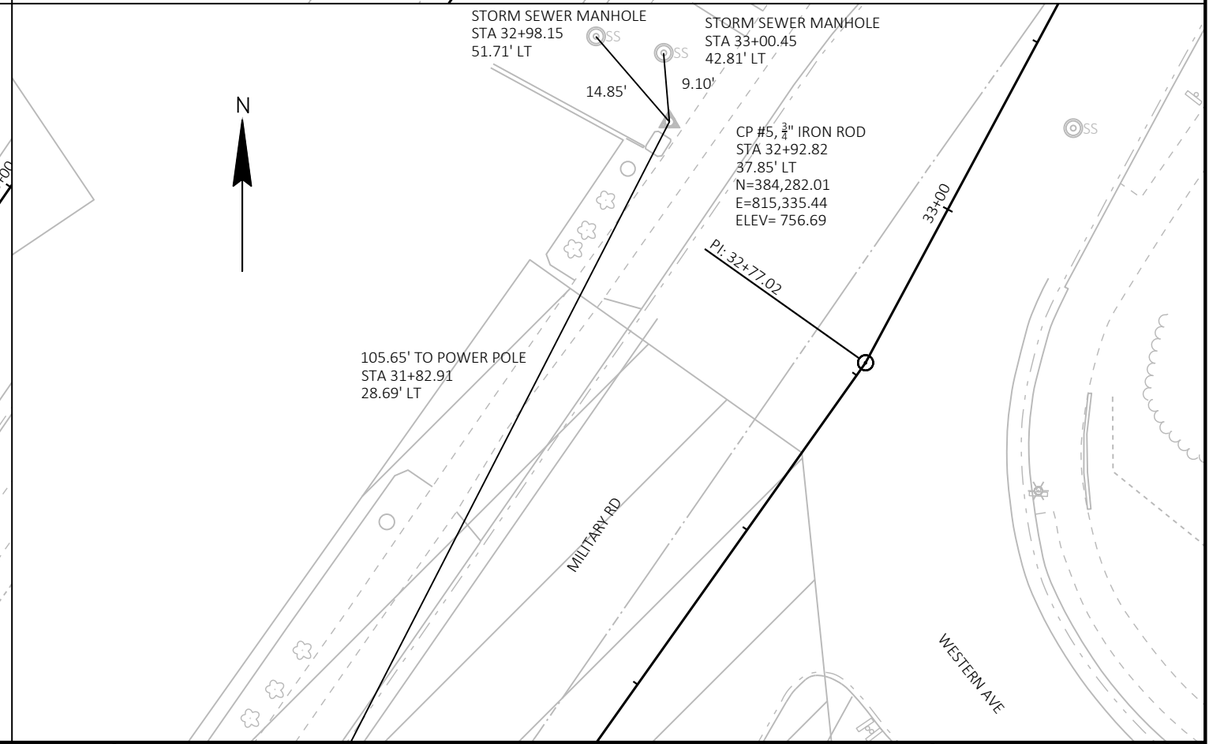
PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	S. BROOKE ST. ISLAND DETAIL	SHEET 20	E

2

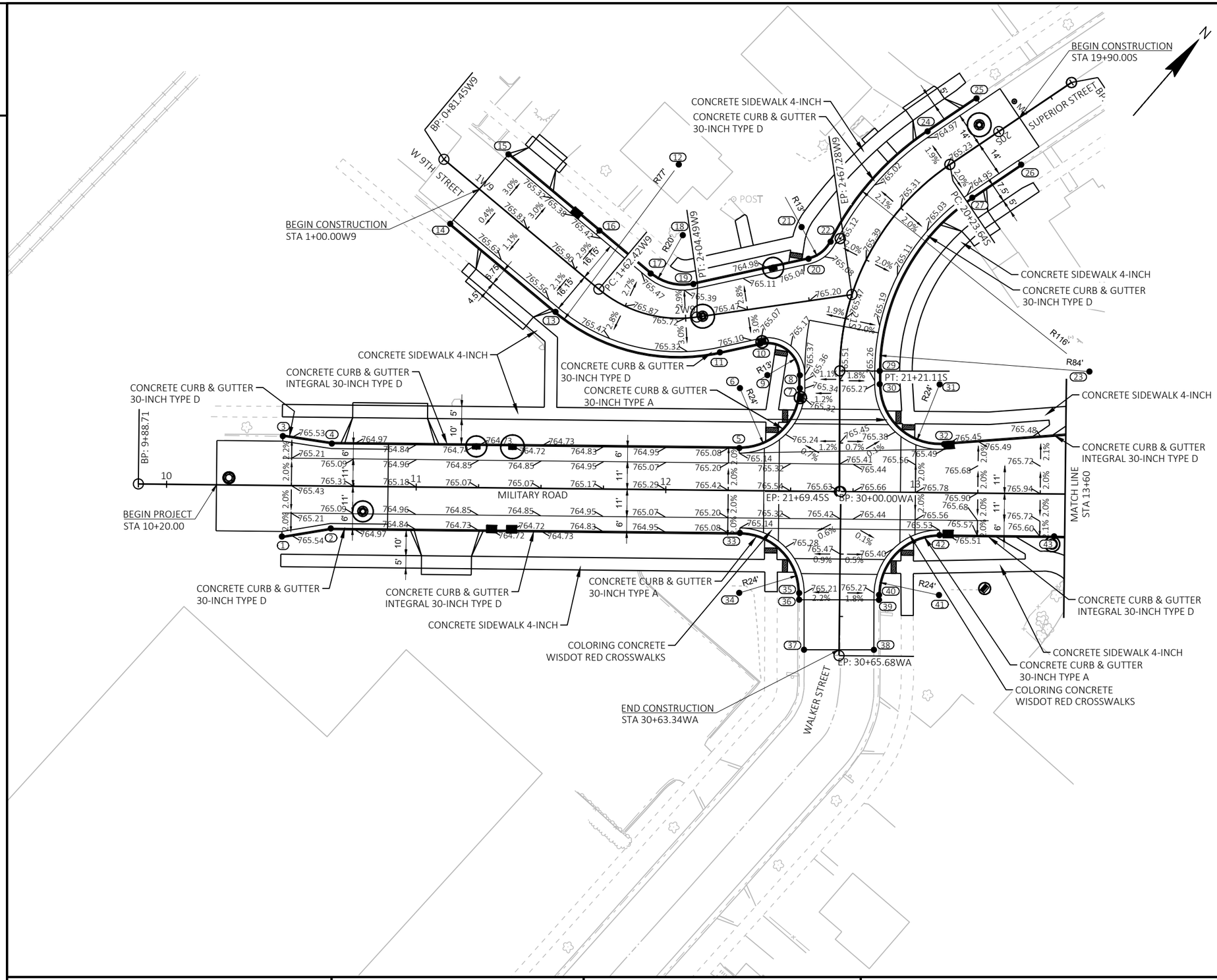








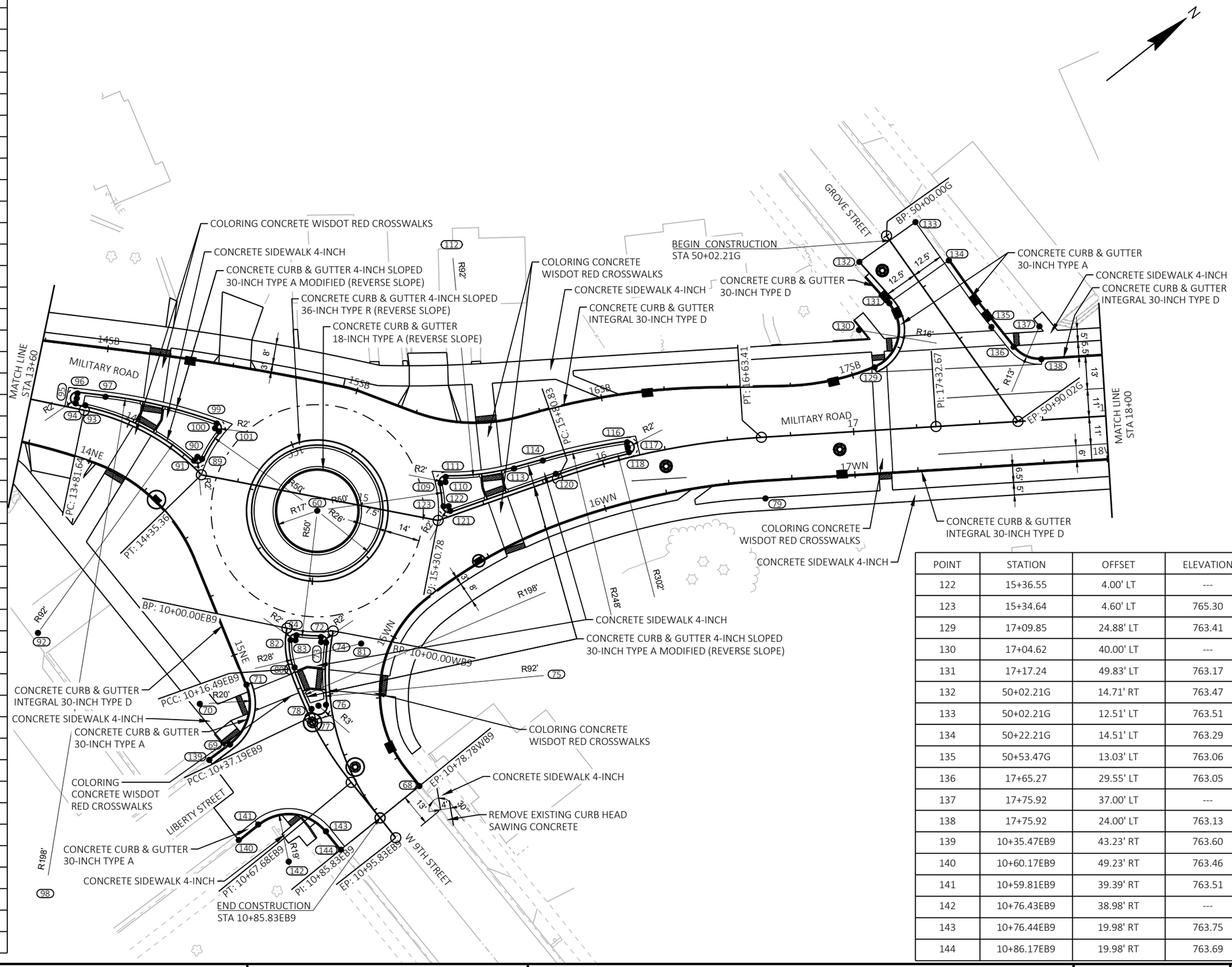
PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CONTROL POINTS	SHEET 21	E



POINT	STATION	OFFSET	ELEVATION
1	10+46.42	20.42' RT	765.54
2	10+65.95	17.00' RT	765.01
3	10+46.36	19.80' LT	765.53
4	10+66.02	17.00' LT	765.01
5	12+29.23	17.00' LT	765.06
6	12+29.23	41.00' LT	---
7	12+53.23	41.19' LT	765.26
8	12+53.19	46.41' LT	765.29
9	12+40.19	46.30' LT	---
10	12+37.28	58.97' LT	765.00
11	2+11.59W9	15.31' RT	765.62
12	1+54.93W9	58.86' LT	---
13	1+54.97W9	18.14' RT	765.46
14	1+00.00W9	18.17' RT	765.58
15	1+00.00W9	18.15' LT	765.05
16	1+47.55W9	18.16' LT	765.33
17	1+80.31W9	16.01' LT	765.88
18	2+01.83W9	33.22' LT	---
19	2+05.02W9	13.30' LT	765.43
20	20+83.23S	21.25' RT	764.97
21	20+74.88S	29.00' RT	---
22	20+74.88S	16.00' RT	765.04
23	21+21.11S	100.00' LT	---
24	20+23.64S	16.00' RT	764.88
25	20+00.00S	16.00' RT	764.72
26	20+00.00S	16.00' LT	764.71
27	20+23.64S	16.00' LT	764.87
29	21+21.11S	16.00' LT	765.16
30	21+26.40S	16.00' LT	765.19
31	13+09.22	43.37' LT	---
32	13+11.24	19.46' LT	765.41
33	12+29.86	17.00' RT	765.06
34	12+29.86	41.00' RT	---
35	12+53.85	40.79' RT	765.13
36	30+43.48WA	16.25' RT	765.12
37	30+63.47WA	14.07' RT	765.09
38	30+63.22WA	13.93' LT	765.17
39	30+43.21WA	15.75' LT	765.18
40	12+85.86	41.21' RT	765.19
41	13+09.86	41.00' RT	---
42	13+09.86	17.00' RT	765.48
43	13+55.76	17.00' RT	765.57

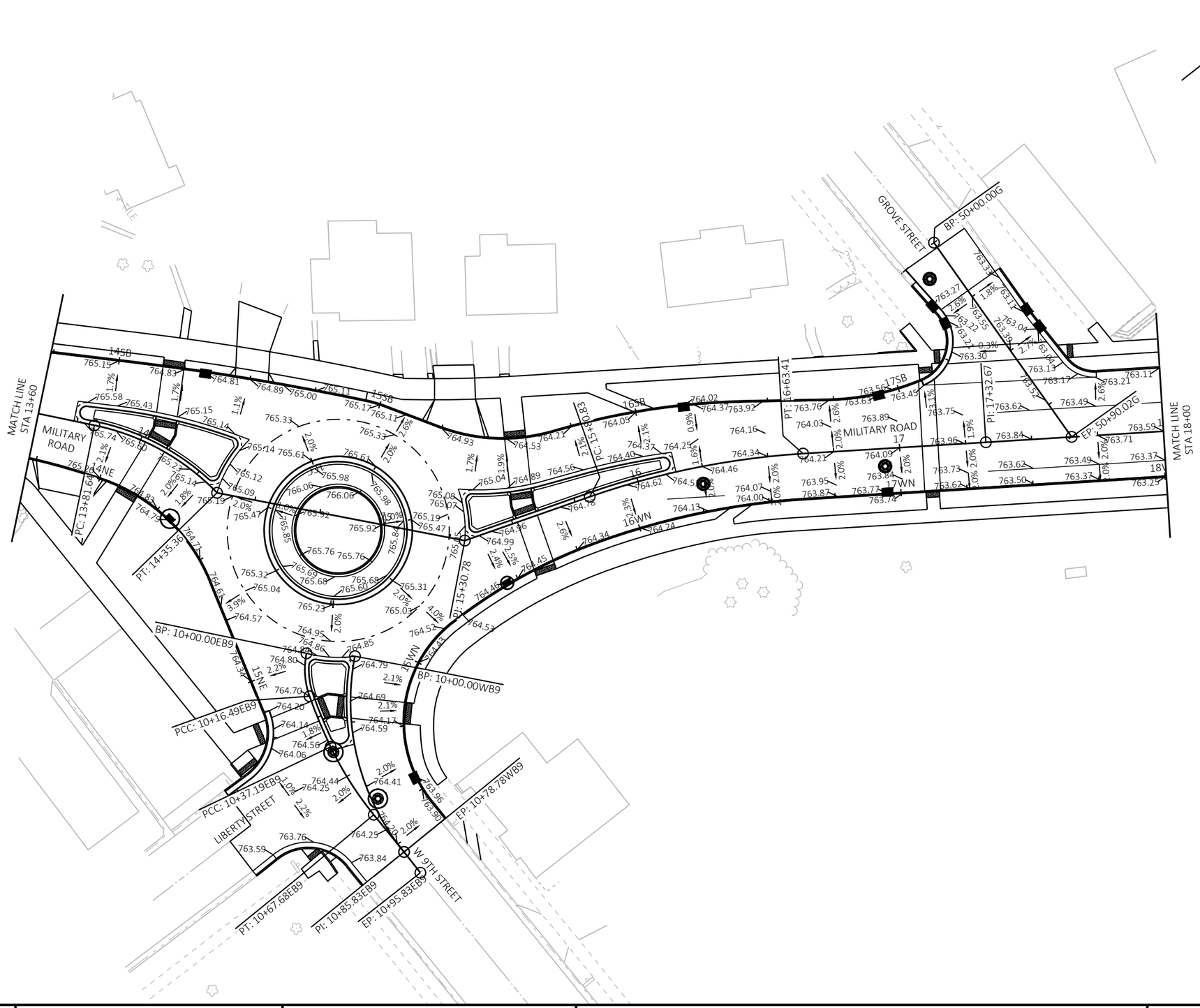
PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	PAVING DETAILS	SHEET 22	E

POINT	STATION	OFFSET	ELEVATION
60	14+83.07	5.27' RT	768.05
68	10+85.83EB9	20.00' LT	763.75
69	10+27.66EB9	22.18' RT	764.10
70	10+17.23EB9	38.19' RT	---
71	10+16.50EB9	18.21' RT	764.22
72	10+01.28EB9	13.88' LT	765.09
73	10+05.00EB9	14.14' LT	---
74	10+05.43EB9	16.13' LT	765.11
75	10+85.75EB9	90.00' LT	---
76	10+35.34EB9	7.86' LT	764.90
77	10+34.41EB9	5.00' LT	---
78	10+34.41EB9	2.00' LT	764.88
79	10+83.95EB9	198.08' LT	---
80	10+16.49EB9	2.00' LT	765.02
81	10+00.00EB9	30.00' LT	---
82	10+04.65EB9	2.00' LT	765.11
83	10+04.65EB9	4.00' LT	---
84	10+02.34EB9	4.16' LT	765.09
89	14+31.23	4.64' LT	765.35
90	14+29.42	4.00' LT	---
91	14+29.42	2.00' LT	765.46
92	13+81.64	90.00' RT	---
93	13+81.64	2.00' LT	766.01
94	13+77.78	2.00' LT	766.06
95	13+77.78	4.00' LT	---
96	13+77.61	5.99' LT	765.90
97	13+88.27	7.20' LT	765.74
98	10+46.06EB9	125.20' RT	---
99	14+26.77	18.98' LT	765.45
100	14+27.36	17.11' LT	---
101	14+29.04	17.20' LT	765.39
109	15+36.56	13.62' LT	765.34
110	15+38.55	13.38' LT	---
111	15+39.26	15.25' LT	765.35
112	15+71.96	101.24' LT	---
113	15+65.92	9.44' LT	765.05
114	15+77.70	8.67' LT	764.92
115	15+64.02	238.96' RT	---
116	16+11.01	5.99' LT	764.69
117	16+10.83	4.00' LT	---
118	16+10.83	2.00' LT	764.85
119	16+63.41	300.00' RT	---
120	15+80.83	2.00' LT	765.03
121	15+36.55	2.00' LT	765.31



POINT	STATION	OFFSET	ELEVATION
122	15+36.55	4.00' LT	---
123	15+34.64	4.60' LT	765.30
129	17+09.85	24.88' LT	763.41
130	17+04.62	40.00' LT	---
131	17+17.24	49.83' LT	763.17
132	50+02.21G	14.71' RT	763.47
133	50+02.21G	12.51' LT	763.51
134	50+22.21G	14.51' LT	763.29
135	50+53.47G	13.03' LT	763.06
136	17+65.27	29.55' LT	763.05
137	17+75.92	37.00' LT	---
138	17+75.92	24.00' LT	763.13
139	10+35.47EB9	43.23' RT	763.60
140	10+60.17EB9	49.23' RT	763.46
141	10+59.81EB9	39.39' RT	763.51
142	10+76.43EB9	38.98' RT	---
143	10+76.44EB9	19.98' RT	763.75
144	10+86.17EB9	19.98' RT	763.69

2

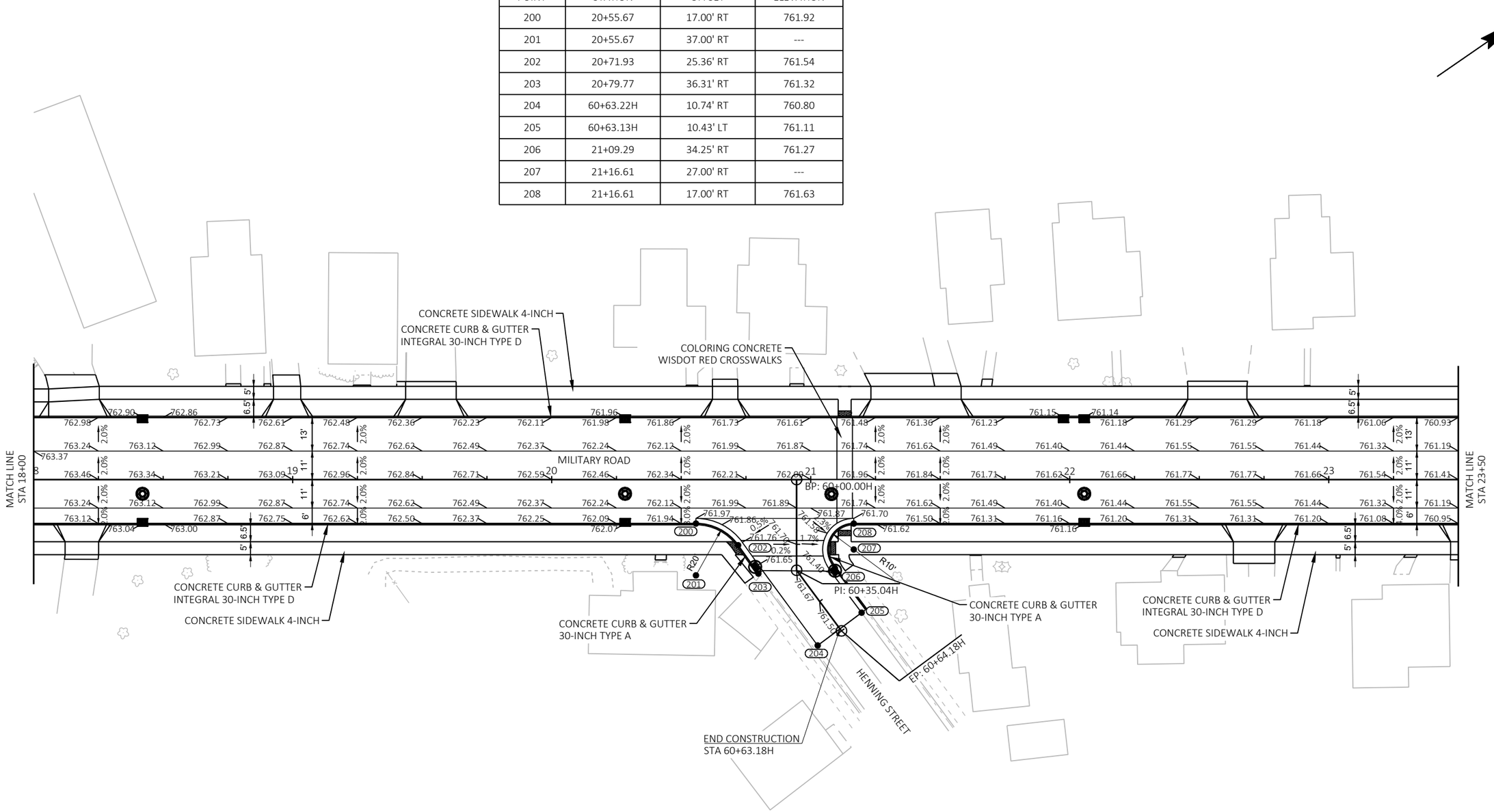


PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	PAVING DETAILS	SHEET 24	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021203-pd

PLOT DATE : 10/27/2021 1:15 PM PLOT BY : BRAD LEE PLOT NAME : PLOT SCALE : 1 IN:40 FT

POINT	STATION	OFFSET	ELEVATION
200	20+55.67	17.00' RT	761.92
201	20+55.67	37.00' RT	---
202	20+71.93	25.36' RT	761.54
203	20+79.77	36.31' RT	761.32
204	60+63.22H	10.74' RT	760.80
205	60+63.13H	10.43' LT	761.11
206	21+09.29	34.25' RT	761.27
207	21+16.61	27.00' RT	---
208	21+16.61	17.00' RT	761.63

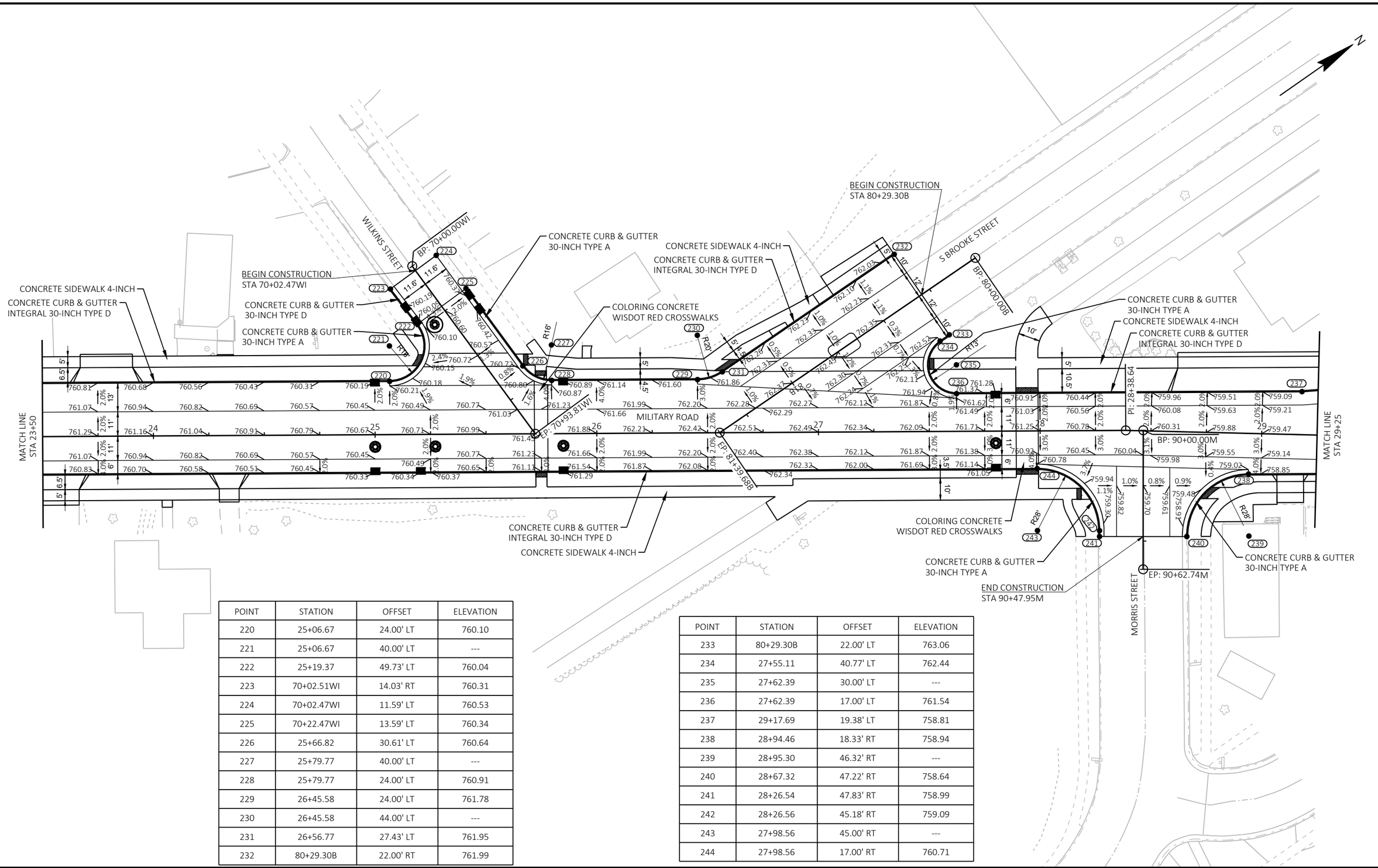


PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	PAVING DETAILS	SHEET 25	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021204-pd

PLOT DATE : 10/27/2021 1:15 PM PLOT BY : BRAD LEE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

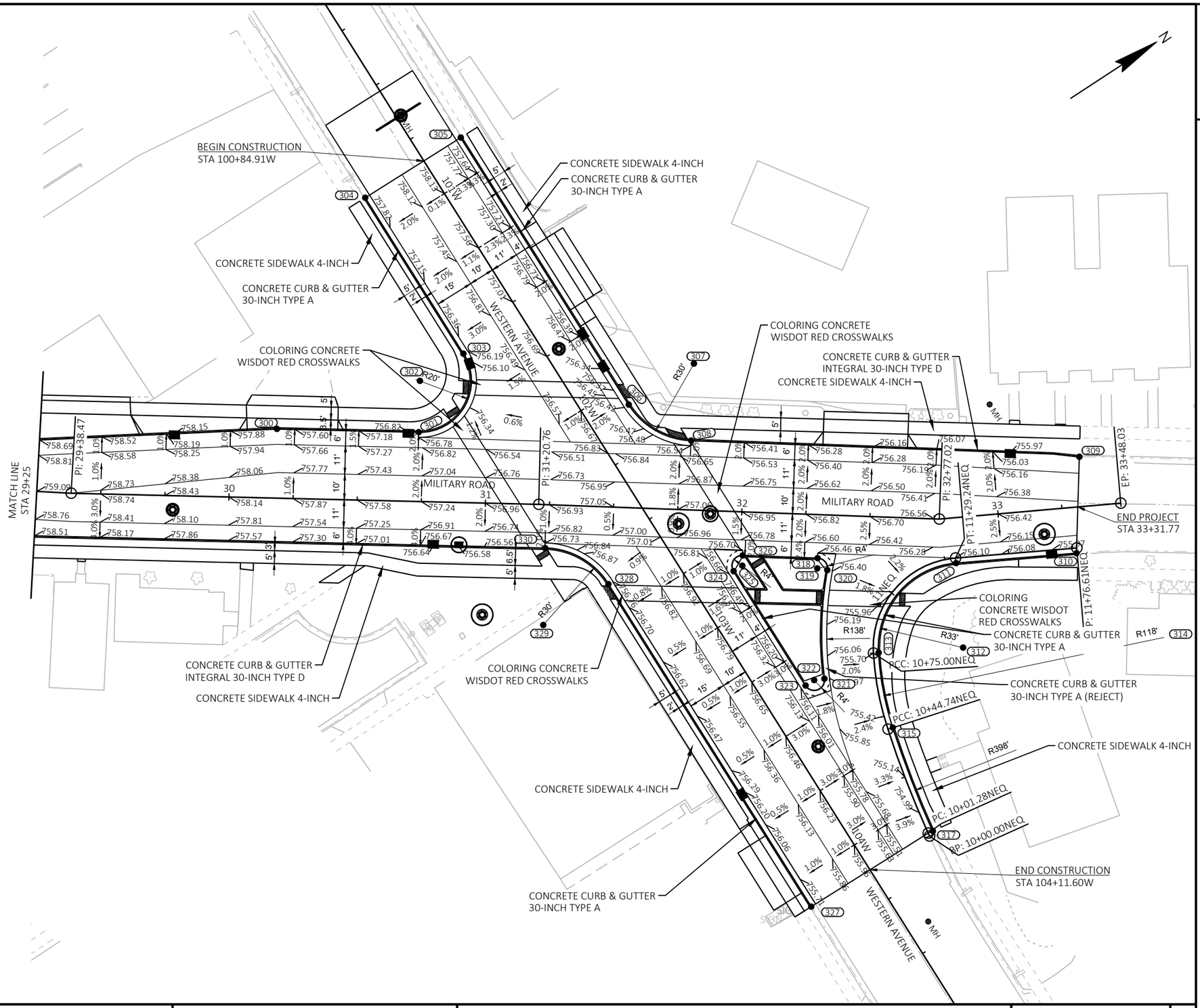


POINT	STATION	OFFSET	ELEVATION
220	25+06.67	24.00' LT	760.10
221	25+06.67	40.00' LT	---
222	25+19.37	49.73' LT	760.04
223	70+02.51WI	14.03' RT	760.31
224	70+02.47WI	11.59' LT	760.53
225	70+22.47WI	13.59' LT	760.34
226	25+66.82	30.61' LT	760.64
227	25+79.77	40.00' LT	---
228	25+79.77	24.00' LT	760.91
229	26+45.58	24.00' LT	761.78
230	26+45.58	44.00' LT	---
231	26+56.77	27.43' LT	761.95
232	80+29.30B	22.00' RT	761.99

POINT	STATION	OFFSET	ELEVATION
233	80+29.30B	22.00' LT	763.06
234	27+55.11	40.77' LT	762.44
235	27+62.39	30.00' LT	---
236	27+62.39	17.00' LT	761.54
237	29+17.69	19.38' LT	758.81
238	28+94.46	18.33' RT	758.94
239	28+95.30	46.32' RT	---
240	28+67.32	47.22' RT	758.64
241	28+26.54	47.83' RT	758.99
242	28+26.56	45.18' RT	759.09
243	27+98.56	45.00' RT	---
244	27+98.56	17.00' RT	760.71

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	PAVING DETAILS	SHEET 26	E

POINT	STATION	OFFSET	ELEVATION
300	30+18.04	27.00' LT	757.68
301	30+73.30	27.00' LT	756.74
302	30+73.30	47.00' LT	---
303	30+89.97	58.05' LT	756.11
304	100+84.91W	27.00' RT	758.18
305	100+84.91W	17.00' LT	757.81
306	31+54.41	40.15' LT	756.34
307	31+79.21	57.04' LT	---
308	31+79.19	27.04' LT	756.47
309	33+33.52	19.43' LT	755.77
310	33+29.09	17.92' RT	755.82
311	11+29.24WNE	2.00' RT	756.02
312	11+29.24WNE	35.00' RT	---
313	10+75.00WNE	2.00' RT	755.62
314	10+44.74WNE	120.00' RT	---
315	10+44.74WNE	2.00' RT	755.28
316	10+01.28WNE	400.00' RT	---
317	10+01.28WNE	2.00' RT	754.83
318	32+30.14	16.98' RT	756.42
319	32+30.13	20.98' RT	---
320	32+34.09	21.55' RT	756.94
321	103+38.97W	24.63' LT	756.01
322	103+37.28W	21.00' LT	---
323	103+37.28W	17.00' LT	756.05
324	31+97.58	23.22' RT	756.60
325	32+00.89	20.97' RT	---
326	32+00.89	16.97' RT	756.66
327	104+11.43W	27.00' RT	755.46
328	31+49.01	30.07' RT	756.68
329	31+24.22	46.96' RT	---
330	31+23.84	16.96' RT	756.65

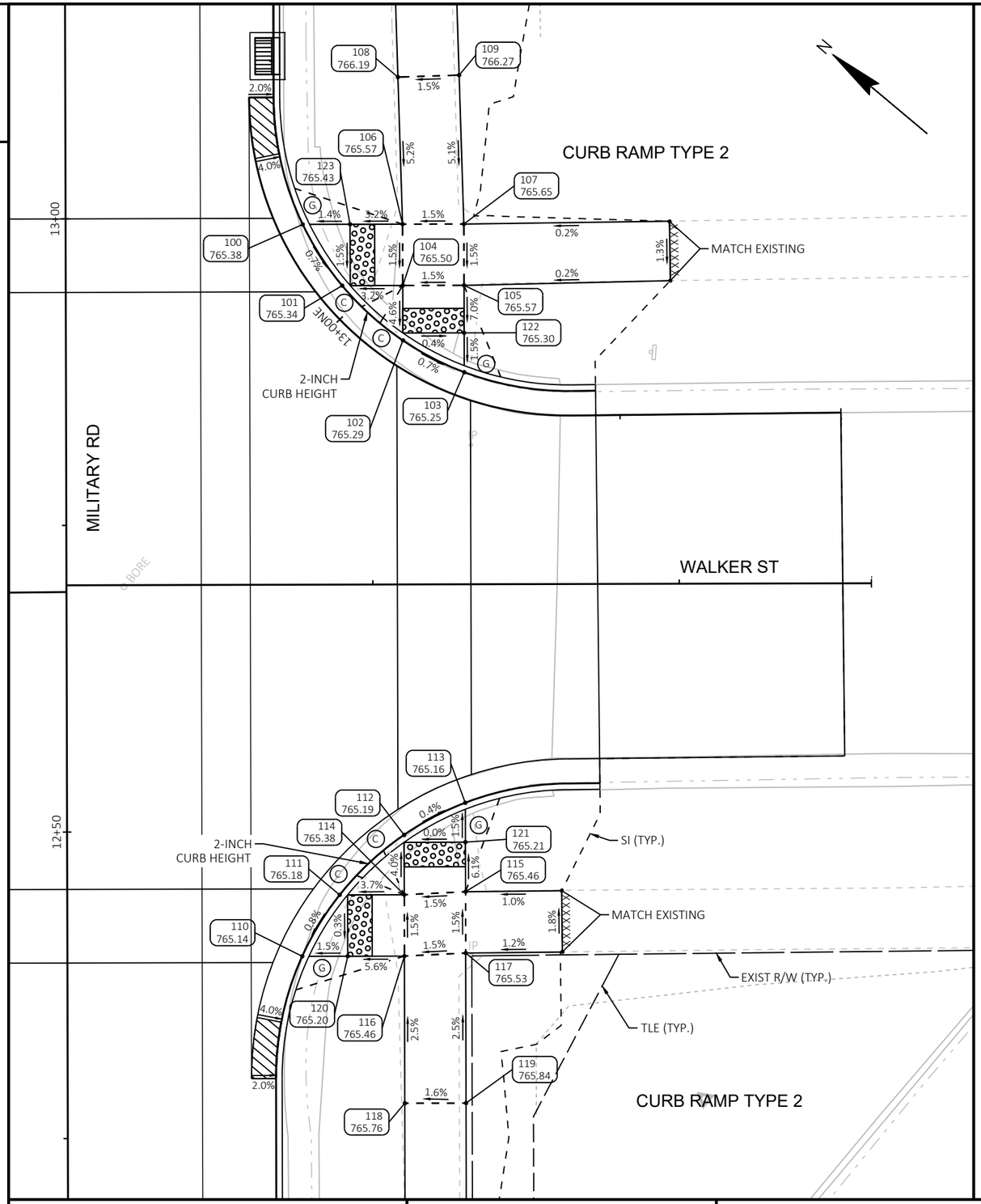


PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	PAVING DETAILS	SHEET 27	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021206-pd

PLOT DATE : 10/28/2021 2:23 PM PLOT BY : BRAD LEE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



CURBRAMPS-WALKER					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
100	12+99.50	19.35' RT	765.38	382653.11	814216.53
101	12+94.50	22.56' RT	765.34	382647.44	814214.78
102	12+90.02	27.50' RT	765.29	382640.77	814214.53
103	12+87.41	32.50' RT	765.25	382635.27	814215.76
104	12+94.50	27.50' RT	765.50	382643.66	814217.96
105	12+94.50	32.50' RT	765.57	382639.83	814221.18
106	12+99.50	27.50' RT	765.57	382646.88	814221.78
107	12+99.50	32.50' RT	765.65	382643.05	814225.00
108	13+11.49	27.15' RT	766.19	382654.88	814230.73
109	13+11.64	32.14' RT	766.27	382651.15	814234.06
110	12+39.82	19.16' RT	765.14	382614.82	814170.76
111	12+44.81	22.23' RT	765.18	382615.69	814176.56
112	12+49.70	27.50' RT	765.19	382614.80	814183.69
113	12+52.30	32.50' RT	765.16	382612.65	814188.90
114	12+44.82	27.50' RT	765.38	382611.66	814179.95
115	12+45.05	32.50' RT	765.46	382607.99	814183.36
116	12+39.82	27.50' RT	765.46	382608.44	814176.13
117	12+40.05	32.50' RT	765.53	382604.77	814179.53
118	12+27.82	27.50' RT	765.76	382600.71	814166.95
119	12+27.82	32.50' RT	765.84	382596.89	814170.17
120	12+39.82	22.88' RT	765.20	382611.98	814173.15
121	12+49.09	32.50' RT	765.21	382610.59	814186.44
122	12+90.62	32.50' RT	765.30	382637.34	814218.21
123	12+99.50	23.21' RT	765.43	382650.16	814219.02

LEGEND:

- XXXX — SAWCUT REQ'D
- DETECTABLE WARNING FIELD
- GUTTER PAN SLOPE TRANSITION (2.0% TO 4.0%) (UNLESS OTHERWISE NOTED)
- (G) 6:1 GRADED FLARE
- (C) 10:1 CONCRETE FLARE
- (PED) CONCRETE CURB PEDESTRIAN
- XXXX / YYY.YY — POINT NUMBER & ELEVATION

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST FIELD CONDITIONS TO FIT FIELD CONDITION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CURB RAMP DETAILS	SHEET 28	E

2

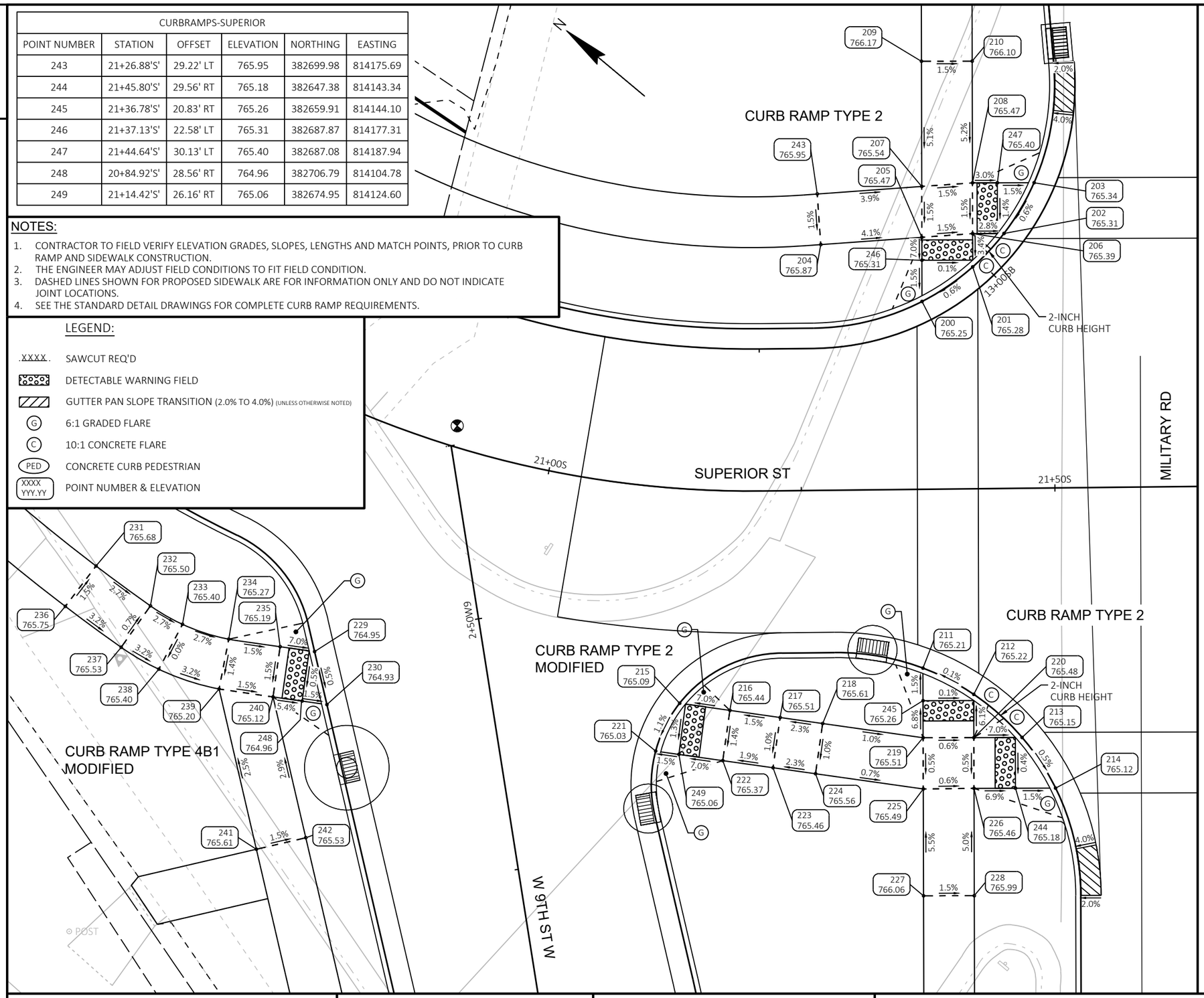
CURBRAMPS-SUPERIOR					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
243	21+26.88'S'	29.22' LT	765.95	382699.98	814175.69
244	21+45.80'S'	29.56' RT	765.18	382647.38	814143.34
245	21+36.78'S'	20.83' RT	765.26	382659.91	814144.10
246	21+37.13'S'	22.58' LT	765.31	382687.87	814177.31
247	21+44.64'S'	30.13' LT	765.40	382687.08	814187.94
248	20+84.92'S'	28.56' RT	764.96	382706.79	814104.78
249	21+14.42'S'	26.16' RT	765.06	382674.95	814124.60

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST FIELD CONDITIONS TO FIT FIELD CONDITION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

LEGEND:

- .XXXX. SAWCUT REQ'D
- DETECTABLE WARNING FIELD
- GUTTER PAN SLOPE TRANSITION (2.0% TO 4.0%) (UNLESS OTHERWISE NOTED)
- (G) 6:1 GRADED FLARE
- (C) 10:1 CONCRETE FLARE
- (PED) CONCRETE CURB PEDESTRIAN
- XXXX YYY.YY POINT NUMBER & ELEVATION

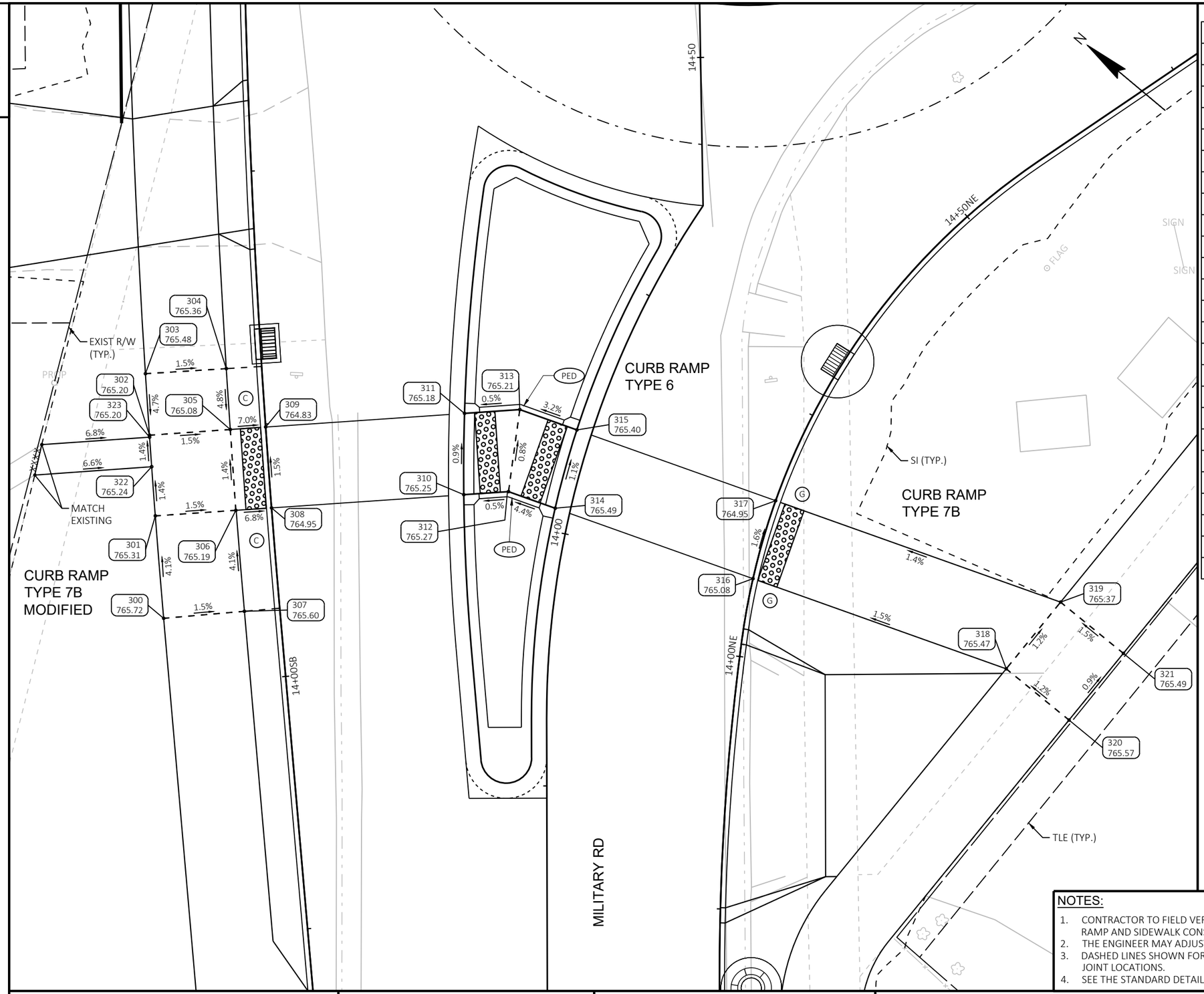


CURBRAMPS-SUPERIOR					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
200	21+37.10'S'	18.52' LT	765.25	382685.25	814174.20
201	21+42.12'S'	21.87' LT	765.28	382683.62	814180.02
202	21+45.24'S'	25.13' LT	765.31	382683.37	814184.52
203	21+48.26'S'	30.10' LT	765.34	382684.31	814190.27
204	21+27.18'S'	24.23' LT	765.87	382696.51	814172.10
205	21+37.15'S'	24.84' LT	765.47	382689.33	814179.05
206	21+42.15'S'	25.15' LT	765.39	382685.73	814182.53
207	21+37.19'S'	29.86' LT	765.54	382692.56	814182.88
208	21+42.19'S'	30.15' LT	765.47	382688.95	814186.36
209	21+37.29'S'	42.19' LT	766.17	382700.51	814192.32
210	21+42.29'S'	42.15' LT	766.10	382696.68	814195.54
211	21+36.81'S'	17.63' RT	765.21	382661.98	814146.56
212	21+41.78'S'	20.27' RT	765.22	382656.48	814147.79
213	21+46.50'S'	24.57' RT	765.15	382650.10	814147.59
214	21+49.75'S'	29.59' RT	765.12	382644.36	814145.88
215	21+14.24'S'	21.12' RT	765.09	382678.13	814128.50
216	21+18.34'S'	21.64' RT	765.44	382673.89	814131.15
217	21+22.68'S'	22.34' RT	765.51	382669.64	814133.79
218	21+26.86'S'	22.98' RT	765.61	382666.05	814136.02
219	21+36.75'S'	24.49' RT	765.51	382657.56	814141.31
220	21+41.75'S'	24.53' RT	765.48	382653.73	814144.53
221	21+12.59'S'	25.98' RT	765.03	382676.91	814123.37
222	21+17.85'S'	26.60' RT	765.37	382671.24	814126.90
223	21+21.93'S'	27.29' RT	765.46	382667.00	814129.54
224	21+26.11'S'	27.92' RT	765.56	382663.40	814131.78
225	21+36.71'S'	29.54' RT	765.49	382654.30	814137.44
226	21+41.71'S'	29.53' RT	765.46	382650.51	814140.70
227	21+36.62'S'	40.07' RT	766.06	382647.52	814129.39
228	21+41.62'S'	40.11' RT	765.99	382643.70	814132.61
229	20+84.49'S'	23.56' RT	764.95	382708.98	814109.31
230	20+86.80'S'	28.06' RT	764.93	382704.70	814106.08
231	20+65.93'S'	25.30' RT	765.68	382730.91	814101.94
232	20+71.18'S'	26.08' RT	765.50	382724.28	814102.37
233	20+74.07'S'	26.25' RT	765.40	382720.68	814103.01
234	20+77.84'S'	25.63' RT	765.27	382716.25	814104.81
235	20+81.80'S'	24.33' RT	765.19	382711.89	814107.49
236	20+65.51'S'	30.27' RT	765.75	382730.67	814096.95
237	20+70.71'S'	31.04' RT	765.53	382723.86	814097.39
238	20+73.97'S'	31.26' RT	765.40	382719.63	814098.11
239	20+78.71'S'	30.50' RT	765.20	382713.83	814100.44
240	20+82.73'S'	29.19' RT	765.12	382709.25	814103.25
241	20+85.47'S'	43.82' RT	765.61	382700.86	814090.69
242	20+88.45'S'	41.17' RT	765.53	382697.86	814094.68

2

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CURB RAMP DETAILS	SHEET 29	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 021302-cr
PLOT DATE : 10/26/2021 5:12 PM
PLOT BY : CONNOR GIRTEN
PLOT NAME :
PLOT SCALE : 1 IN:10 FT



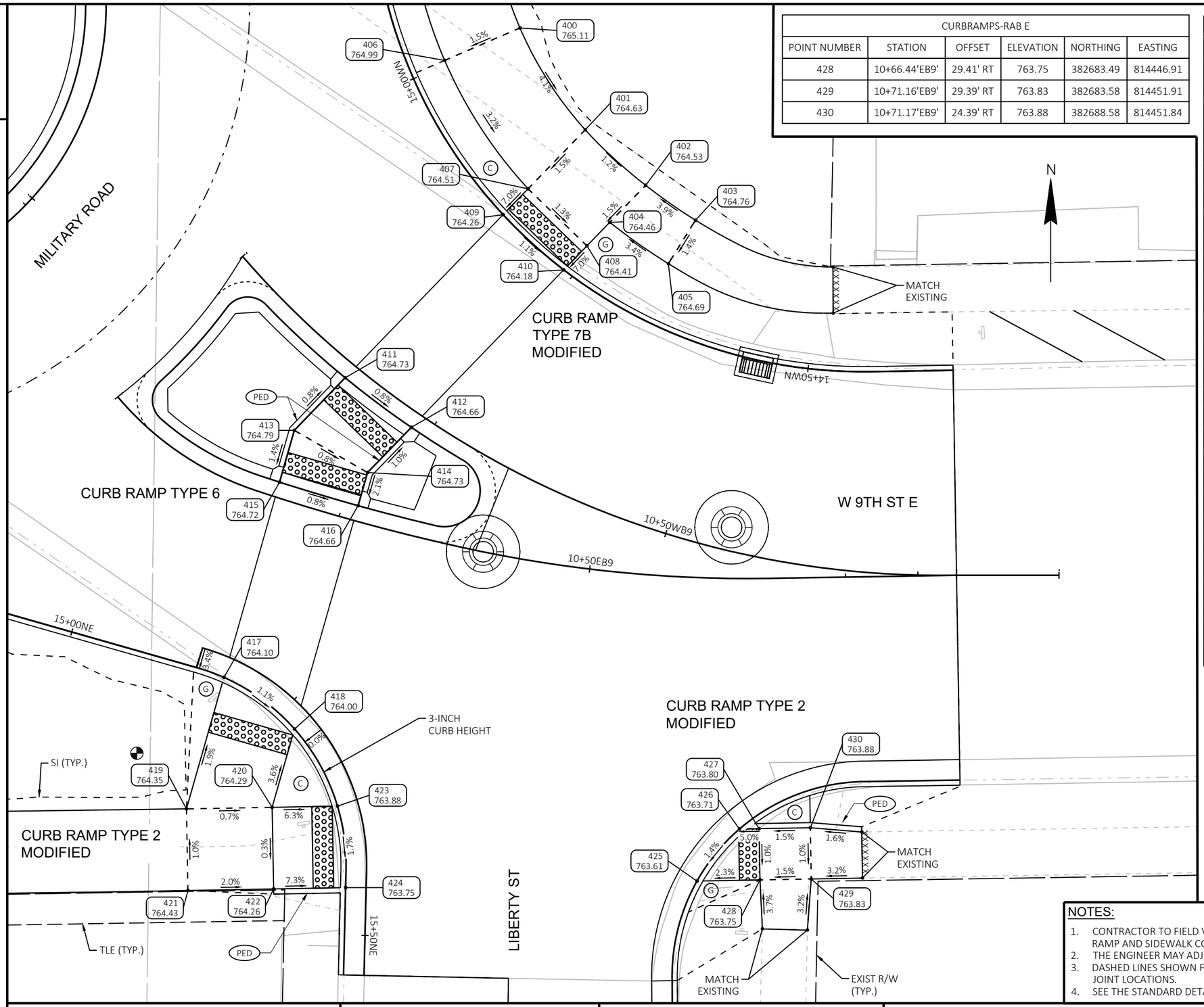
CURBRAMPS-RAB SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
300	14+06.76'SB'	11.50' LT	765.72	382756.16	814250.21
301	14+16.79'SB'	11.50' LT	765.31	382763.29	814257.43
302	14+24.68'SB'	11.49' LT	765.20	382768.84	814263.17
303	14+30.69'SB'	11.50' LT	765.48	382773.05	814267.56
304	14+30.69'SB'	3.50' LT	765.36	382767.25	814273.07
305	14+24.70'SB'	3.50' LT	765.08	382763.09	814268.72
306	14+16.72'SB'	3.53' LT	765.19	382757.55	814262.96
307	14+06.76'SB'	3.50' LT	765.60	382750.50	814255.86
308	14+16.70'SB'	0.00'	764.95	382755.00	814265.41
309	14+24.70'SB'	0.00'	764.83	382760.57	814271.15
310	14+01.60	10.59' LT	765.25	382741.29	814278.59
311	14+08.49	12.57' LT	765.18	382746.39	814284.79
312	14+02.77	6.36' LT	765.27	382738.10	814281.66
313	14+10.29	7.48' LT	765.21	382742.45	814288.58
314	14+02.25	1.50' LT	765.49	382733.52	814283.36
315	14+10.14	1.50' LT	765.40	382736.84	814290.66
316	14+07.80'NE'	0.00'	765.08	382714.09	814290.57
317	14+15.81'NE'	0.00'	764.95	382717.31	814297.91
318	14+02.71'NE'	26.24' RT	765.47	382689.21	814299.80
319	14+15.81'NE'	29.86' RT	765.37	382689.32	814308.29
320	13+97.56'NE'	33.03' RT	765.57	382681.21	814299.91
321	14+09.87'NE'	37.28' RT	765.49	382681.32	814308.40
322	13+98.85	41.33' LT	765.24	382766.68	814260.92
323	14+00.78	42.11' LT	765.20	382768.71	814263.03

LEGEND:

- XXXX — SAWCUT REQ'D
- DETECTABLE WARNING FIELD
- GUTTER PAN SLOPE TRANSITION (2.0% TO 4.0%) (UNLESS OTHERWISE NOTED)
- (G) 6:1 GRADED FLARE
- (C) 10:1 CONCRETE FLARE
- (PED) CONCRETE CURB PEDESTRIAN
- XXXX / YYY.YY — POINT NUMBER & ELEVATION

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST FIELD CONDITIONS TO FIT FIELD CONDITION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.



CURBRAMPS-RAB E					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
428	10+66.44'EB9'	29.41' RT	763.75	382683.49	814446.91
429	10+71.16'EB9'	29.39' RT	763.83	382683.58	814451.91
430	10+71.17'EB9'	24.39' RT	763.88	382688.58	814451.84

CURBRAMPS-RAB E					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
400	15+00.43'WN'	11.50' RT	765.11	382766.61	814423.50
401	14+84.84'WN'	11.50' RT	764.63	382756.67	814429.86
402	14+74.32'WN'	11.39' RT	764.53	382751.26	814435.76
403	14+66.59'WN'	10.96' RT	764.76	382747.85	814440.62
404	14+75.18'WN'	6.41' RT	764.46	382747.65	814432.26
405	14+67.15'WN'	5.98' RT	764.69	382743.61	814437.98
406	15+00.43'WN'	3.50' RT	764.99	382763.44	814416.15
407	14+84.24'WN'	3.50' RT	764.51	382750.91	814424.29
408	14+75.63'WN'	3.24' RT	764.41	382745.35	814430.04
409	14+84.04'WN'	0.00'	764.26	382748.40	814421.85
410	14+76.03'WN'	0.00'	764.18	382743.01	814427.77
411	10+15.33'WB9'	1.50' RT	764.73	382732.48	814406.45
412	10+23.26'WB9'	1.50' RT	764.66	382727.64	814412.90
413	10+18.26'EB9'	6.76' LT	764.79	382727.36	814401.49
414	10+26.52'EB9'	4.86' LT	764.73	382723.23	814408.63
415	10+18.44'EB9'	1.50' LT	764.72	382722.30	814400.04
416	10+26.50'EB9'	1.50' LT	764.66	382720.00	814407.71
417	15+17.71'NE'	2.00' RT	764.10	382703.25	814394.62
418	15+27.18'NE'	2.01' RT	764.00	382698.20	814401.50
419	15+12.64'NE'	13.83' RT	764.35	382690.42	814390.96
420	15+34.01'NE'	8.03' RT	764.29	382690.57	814399.32
421	15+46.04'NE'	17.38' RT	764.43	382682.46	814391.11
422	15+45.68'NE'	9.02' RT	764.26	382682.61	814399.47
423	15+36.72'NE'	2.00' RT	763.88	382690.69	814405.70
424	15+45.39'NE'	2.00' RT	763.75	382682.74	814406.49
425	10+61.44'EB9'	29.59' RT	763.61	382683.38	814440.77
426	10+64.79'EB9'	24.44' RT	763.71	382688.45	814444.92
427	10+66.40'EB9'	24.41' RT	763.80	382688.49	814446.82

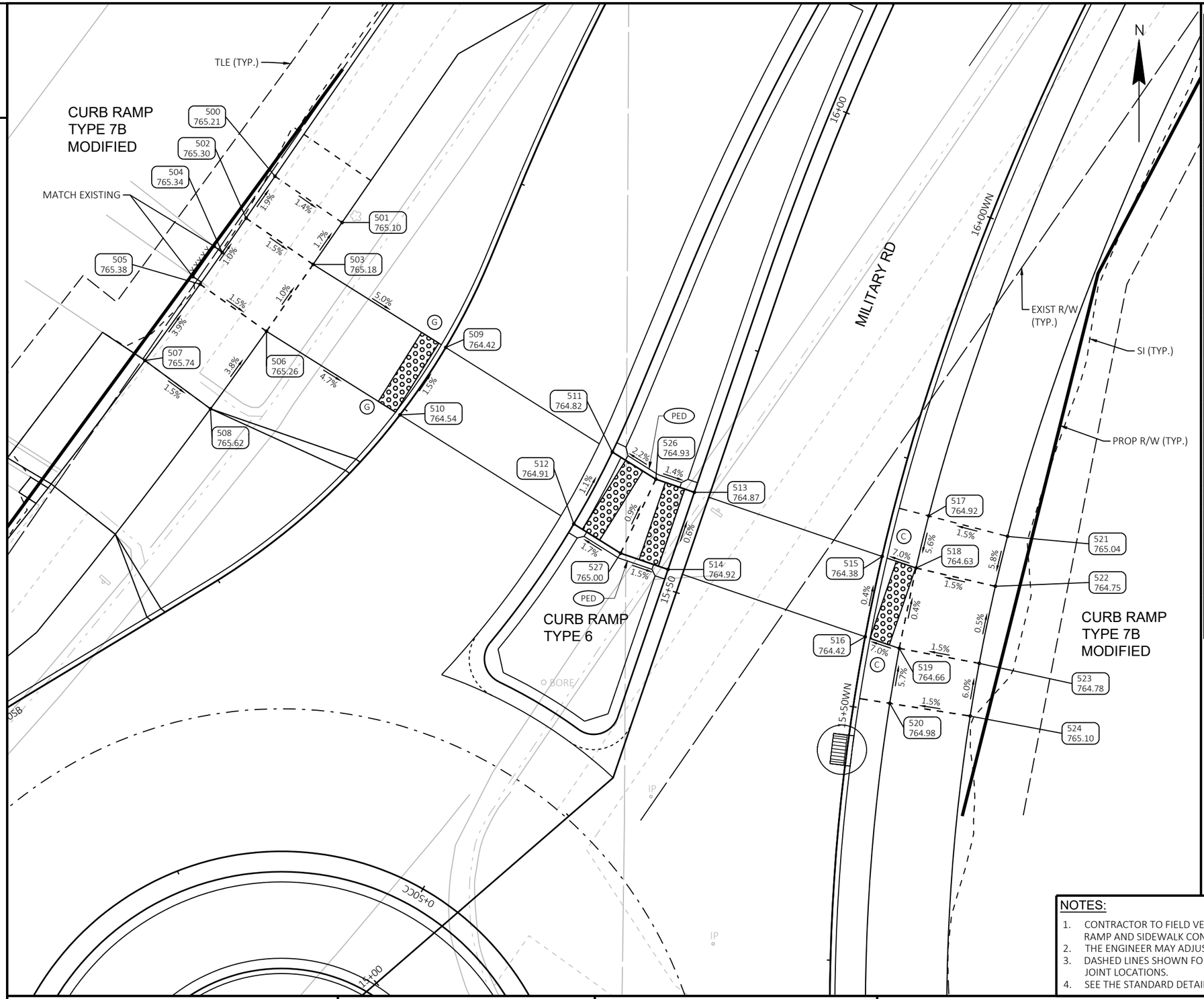
LEGEND:

- XXXX — SAWCUT REQ'D
- DETECTABLE WARNING FIELD
- GUTTER PAN SLOPE TRANSITION (2.0% TO 4.0%) (UNLESS OTHERWISE NOTED)
- G — 6:1 GRADED FLARE
- C — 10:1 CONCRETE FLARE
- PED — CONCRETE CURB PEDESTRIAN
- XXXX YYY.YY — POINT NUMBER & ELEVATION

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST FIELD CONDITIONS TO FIT FIELD CONDITION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CURB RAMP DETAILS	SHEET 31	E



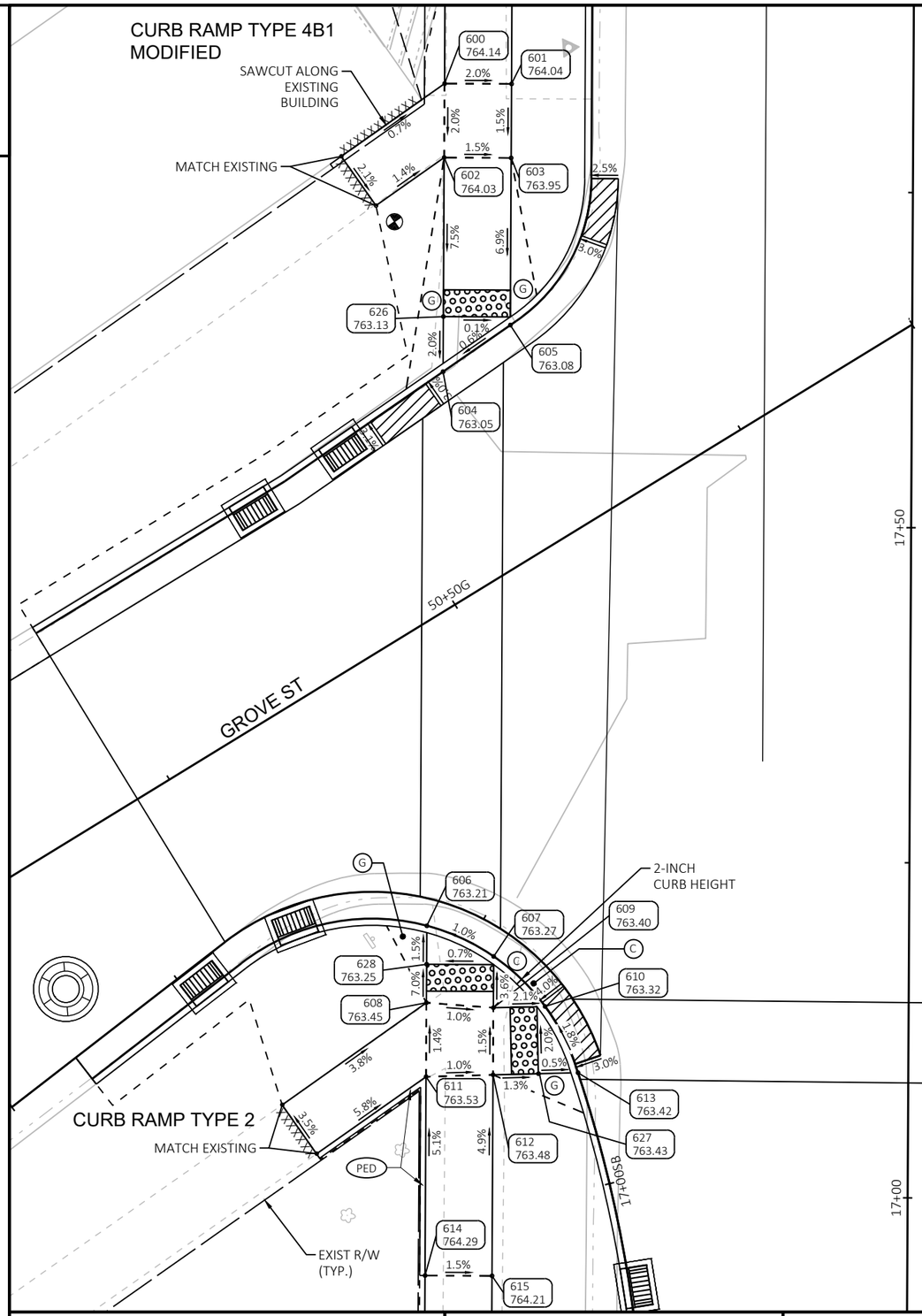
CURBRAMPS-RAB N					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
500	15+66.08'SB'	22.65' LT	765.21	382863.07	814354.49
501	15+64.09'SB'	14.78' LT	765.10	382858.53	814361.08
502	15+58.59'SB'	23.35' LT	765.30	382858.96	814351.65
503	15+57.71'SB'	15.37' LT	765.18	382854.41	814358.24
504	15+52.32'SB'	23.52' LT	765.34	382855.58	814349.31
505	15+46.53'SB'	23.36' LT	765.38	382852.47	814347.13
506	15+47.35'SB'	15.38' LT	765.26	382847.85	814353.65
507	15+32.86'SB'	21.78' LT	765.74	382844.97	814341.71
508	15+35.48'SB'	14.02' LT	765.62	382840.23	814348.15
509	15+57.28'SB'	0.00'	764.42	382846.25	814371.27
510	15+49.27'SB'	0.00'	764.54	382839.63	814366.77
511	15+61.03	10.40' LT	764.82	382835.99	814387.65
512	15+53.12	11.70' LT	764.91	382828.93	814383.86
513	15+59.88	1.50' LT	764.87	382832.03	814395.70
514	15+51.88	1.50' LT	764.92	382824.46	814393.12
515	15+65.04'WN'	0.00'	764.38	382825.73	814414.16
516	15+56.97'WN'	0.00'	764.42	382817.84	814412.49
517	15+70.04'WN'	3.50' RT	764.92	382829.71	814418.74
518	15+64.68'WN'	3.50' RT	764.63	382824.60	814417.49
519	15+56.47'WN'	3.50' RT	764.66	382816.71	814415.84
520	15+50.89'WN'	3.50' RT	764.98	382811.31	814414.90
521	15+70.04'WN'	11.50' RT	765.04	382827.70	814426.48
522	15+64.68'WN'	11.50' RT	764.75	382822.80	814425.28
523	15+56.47'WN'	11.50' RT	764.78	382815.23	814423.70
524	15+50.89'WN'	11.50' RT	765.10	382810.06	814422.81
526	15+67.14'WN'	23.39' LT	764.93	382833.32	814391.92
527	15+60.15'WN'	25.17' LT	765.00	382826.05	814388.46

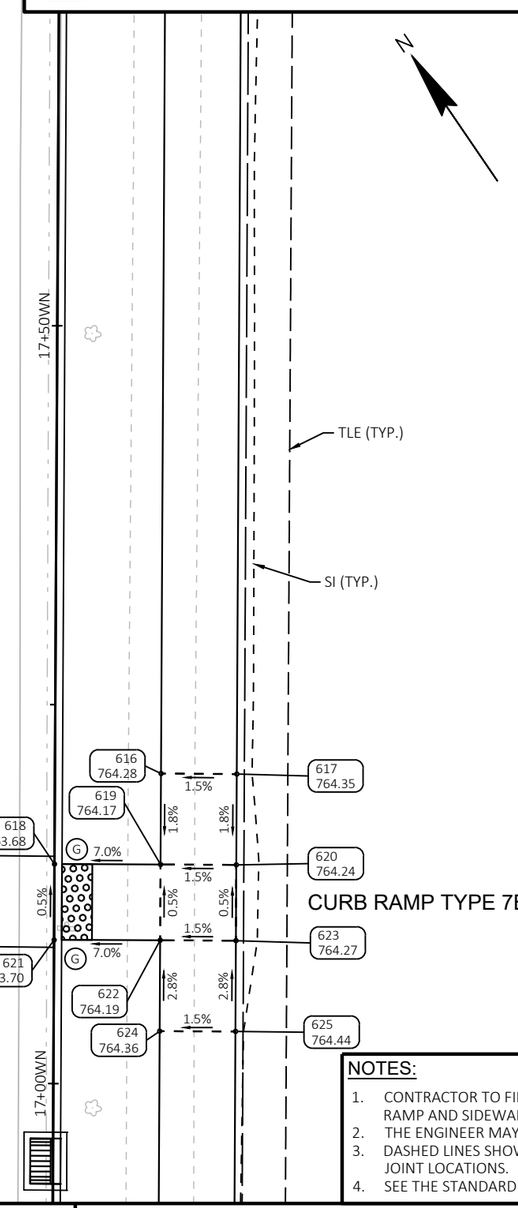
LEGEND:

- XXXX — SAWCUT REQ'D
- DETECTABLE WARNING FIELD
- GUTTER PAN SLOPE TRANSITION (2.0% TO 4.0%) (UNLESS OTHERWISE NOTED)
- (G) 6:1 GRADED FLARE
- (C) 10:1 CONCRETE FLARE
- PED — CONCRETE CURB PEDESTRIAN
- XXXX / YYY.YY — POINT NUMBER & ELEVATION

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST FIELD CONDITIONS TO FIT FIELD CONDITION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.





LEGEND:

- .XXXX. SAWCUT REQ'D
- DETECTABLE WARNING FIELD
- GUTTER PAN SLOPE TRANSITION (2.0% TO 4.0%) (UNLESS OTHERWISE NOTED)
- (G) 6:1 GRADED FLARE
- (C) 10:1 CONCRETE FLARE
- (PED) CONCRETE CURB PEDESTRIAN
- (XXXX YYY.YY) POINT NUMBER & ELEVATION

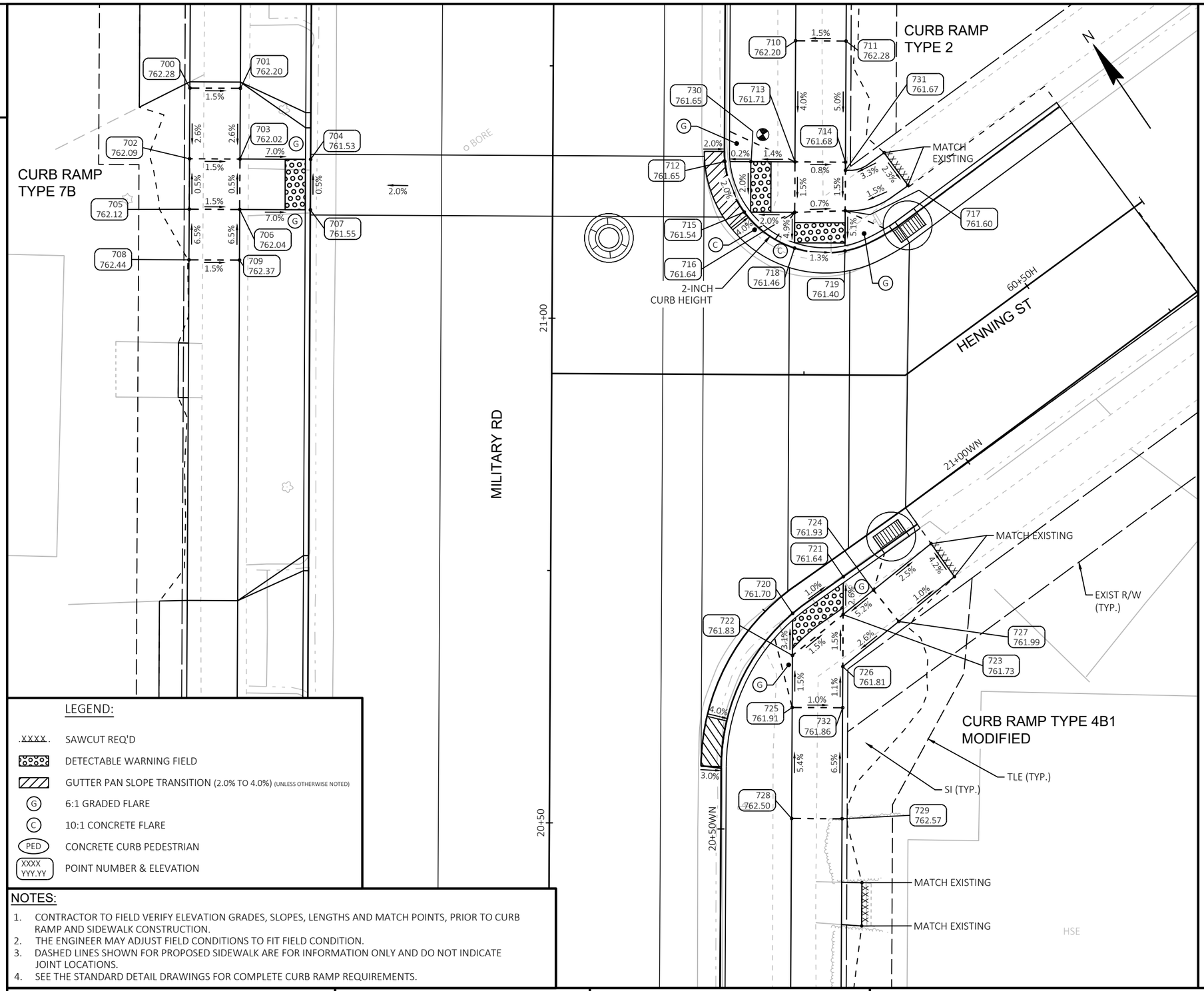
CURBRAMPS-GROVE

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
600	17+82.95	35.00' LT	764.14	383043.18	814479.97
601	17+82.95	30.00' LT	764.04	383040.34	814484.09
602	17+77.43	35.00' LT	764.03	383038.63	814476.84
603	17+77.43	30.00' LT	763.95	383035.79	814480.95
604	17+61.46	35.00' LT	763.05	383025.49	814467.76
605	17+64.96	30.00' LT	763.08	383025.52	814473.87
606	17+20.11	36.00' LT	763.21	382992.02	814443.46
607	17+17.85	31.00' LT	763.27	382987.32	814446.29
608	17+14.37	36.00' LT	763.45	382987.30	814440.20
609	17+14.02	31.00' LT	763.40	382984.17	814444.12
610	17+14.14	27.14' LT	763.32	382982.07	814447.36
611	17+08.85	36.00' LT	763.53	382982.75	814437.07
612	17+09.02	31.00' LT	763.48	382980.05	814441.28
613	17+09.21	24.66' LT	763.42	382976.61	814446.60
614	16+94.02	36.00' LT	764.29	382970.54	814428.65
615	16+94.02	31.00' LT	764.21	382967.71	814432.76
616	17+19.98	24.00' RT	764.28	382957.84	814492.77
617	17+19.97	29.00' RT	764.35	382954.99	814496.88
618	17+13.96	17.00' RT	763.68	382956.86	814483.59
619	17+13.98	24.00' RT	764.17	382952.90	814489.36
620	17+13.98	29.00' RT	764.24	382950.06	814493.48
621	17+08.96	17.00' RT	763.70	382952.74	814480.75
622	17+08.97	24.00' RT	764.19	382948.78	814486.52
623	17+08.97	29.00' RT	764.27	382945.94	814490.64
624	17+02.97	24.00' RT	764.36	382943.84	814483.11
625	17+02.99	29.01' RT	764.44	382941.01	814487.24
626	17+65.57	35.00' LT	763.13	383028.87	814470.10
627	17+09.12	27.61' LT	763.43	382978.21	814444.12
628	17+17.24	36.00' LT	763.25	382989.66	814441.83

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST FIELD CONDITIONS TO FIT FIELD CONDITION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CURB RAMP DETAILS	SHEET 33	E



LEGEND:

- XXXX — SAWCUT REQ'D
- DETECTABLE WARNING FIELD
- GUTTER PAN SLOPE TRANSITION (2.0% TO 4.0%) (UNLESS OTHERWISE NOTED)
- (G) 6:1 GRADED FLARE
- (C) 10:1 CONCRETE FLARE
- (PED) CONCRETE CURB PEDESTRIAN
- XXXX YYY.YY — POINT NUMBER & ELEVATION

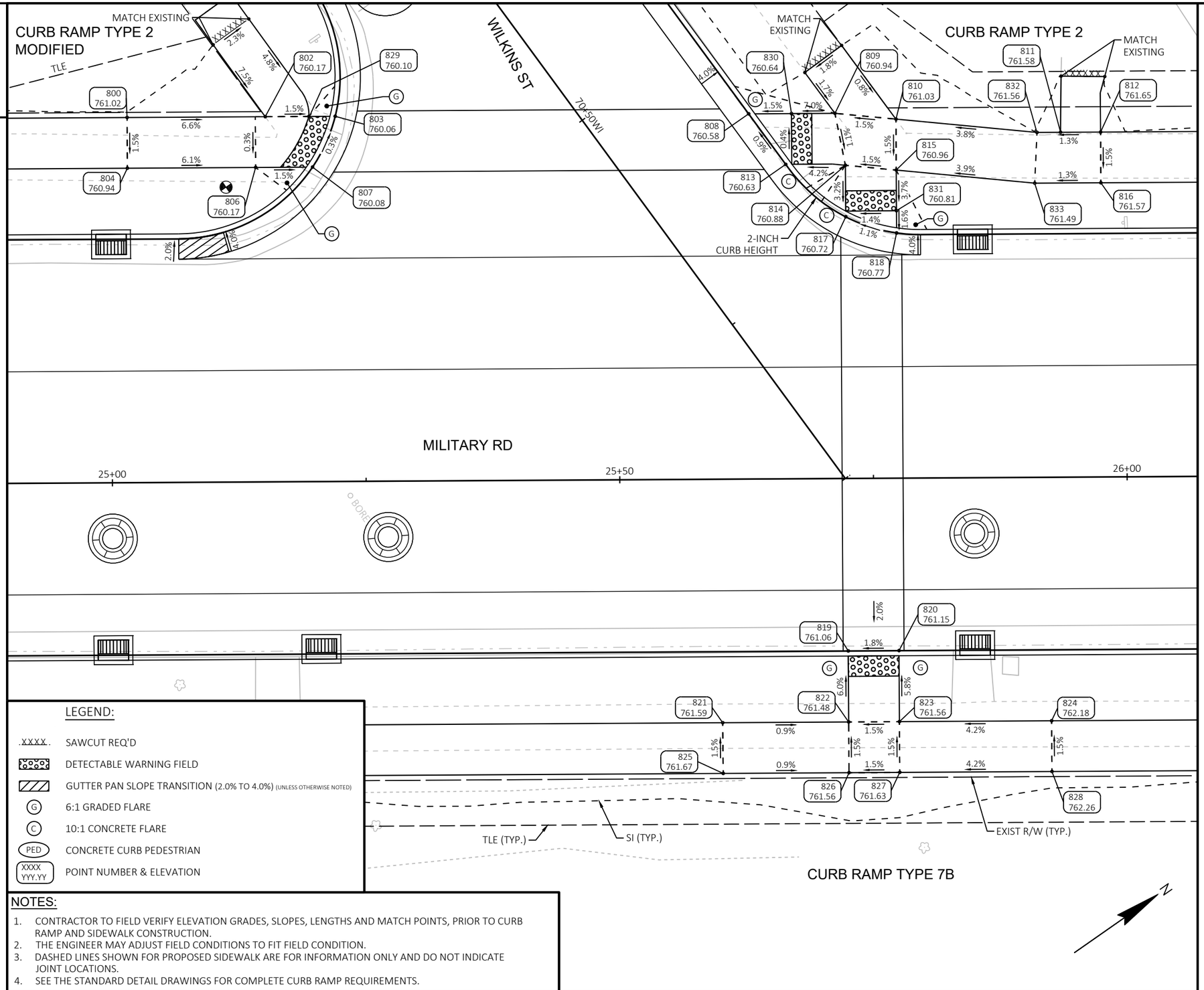
NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST FIELD CONDITIONS TO FIT FIELD CONDITION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

CURBRAMPS-HENNING

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
700	21+22.61	35.99' LT	762.28	383323.31	814672.05
701	21+22.61	31.00' LT	762.20	383320.47	814676.16
702	21+15.61	36.00' LT	762.09	383317.55	814668.06
703	21+15.61	31.00' LT	762.02	383314.71	814672.18
704	21+15.61	24.00' LT	761.53	383310.74	814677.94
705	21+10.61	36.00' LT	762.12	383313.44	814665.23
706	21+10.61	31.00' LT	762.04	383310.60	814669.34
707	21+10.61	24.00' LT	761.55	383306.62	814675.10
708	21+05.59	36.00' LT	762.44	383309.31	814662.38
709	21+05.59	31.00' LT	762.37	383306.47	814666.49
710	21+27.61	24.00' RT	762.20	383293.35	814724.27
711	21+27.60	29.00' RT	762.28	383290.51	814728.37
712	21+15.61	17.05' RT	761.65	383287.42	814711.73
713	21+15.61	24.00' RT	761.71	383283.48	814717.45
714	21+15.61	29.00' RT	761.68	383280.64	814721.57
715	21+10.61	19.00' RT	761.54	383282.20	814710.50
716	21+10.61	24.00' RT	761.64	383279.36	814714.61
717	21+10.79	29.00' RT	761.60	383276.67	814718.83
718	21+07.07	24.00' RT	761.46	383276.45	814712.60
719	21+06.81	29.00' RT	761.40	383273.40	814716.57
720	20+70.87	24.00' RT	761.70	383246.65	814692.04
721	20+74.54	29.00' RT	761.64	383246.84	814698.24
722	20+66.71	24.00' RT	761.83	383243.23	814689.68
723	20+70.79	29.00' RT	761.73	383243.74	814696.11
724	20+73.22	31.99' RT	761.93	383244.05	814699.96
725	20+61.55	24.00' RT	761.91	383238.99	814686.75
726	20+65.63	29.00' RT	761.81	383239.50	814693.18
727	20+70.12	34.52' RT	761.99	383240.06	814700.28
728	20+50.55	24.00' RT	762.50	383229.93	814680.51
729	20+50.55	29.00' RT	762.57	383227.09	814684.62
730	21+15.61	19.62' RT	761.65	383285.96	814713.85
731	21+14.79	29.00' RT	761.67	383279.97	814721.10
732	20+61.55	29.00' RT	761.86	383236.15	814690.87

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CURB RAMP DETAILS	SHEET 34	E



LEGEND:

- XXXX — SAWCUT REQ'D
- DETECTABLE WARNING FIELD
- GUTTER PAN SLOPE TRANSITION (2.0% TO 4.0%) (UNLESS OTHERWISE NOTED)
- (G) 6:1 GRADED FLARE
- (C) 10:1 CONCRETE FLARE
- (PED) CONCRETE CURB PEDESTRIAN
- (XXXX YYY.YY) POINT NUMBER & ELEVATION

NOTES:

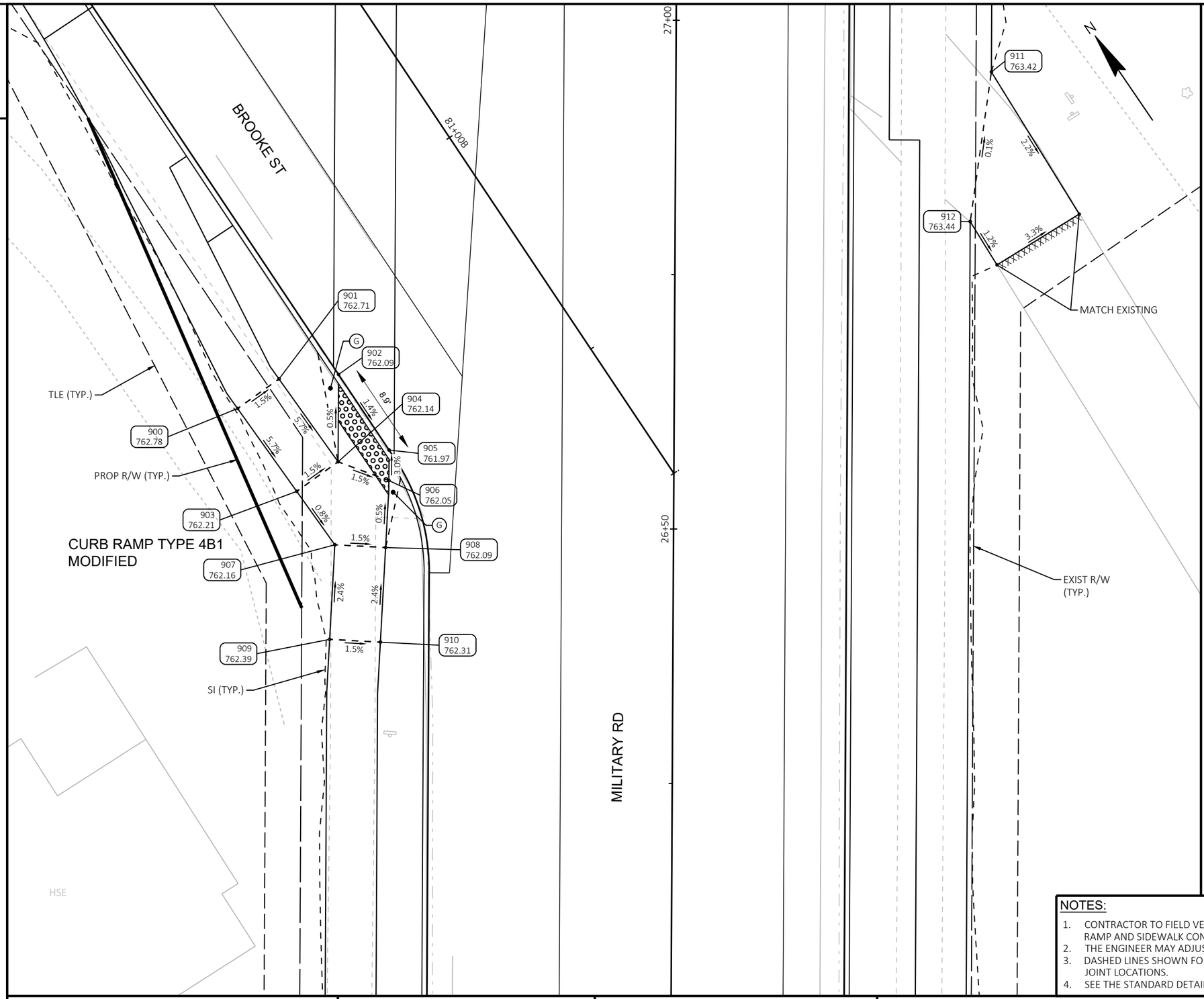
1. CONTRACTOR TO FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST FIELD CONDITIONS TO FIT FIELD CONDITION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

CURBRAMPS-WILKINS

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
800	25+01.65	36.00' LT	761.02	383635.30	814887.30
802	25+15.27	36.00' LT	760.17	383646.51	814895.03
803	25+22.17	36.00' LT	760.06	383652.19	814898.95
804	25+01.65	31.00' LT	760.94	383632.46	814891.42
806	25+14.29	31.00' LT	760.17	383642.87	814898.60
807	25+19.90	31.00' LT	760.08	383647.48	814901.78
808	25+62.91	36.00' LT	760.58	383685.72	814922.09
809	25+71.41	36.00' LT	760.94	383692.72	814926.92
810	25+77.42	35.40' LT	761.03	383697.33	814930.83
811	25+93.64	34.00' LT	761.58	383709.88	814941.19
812	25+97.58	34.00' LT	761.65	383713.12	814943.43
813	25+66.53	31.00' LT	760.63	383685.87	814928.26
814	25+72.42	30.87' LT	760.88	383690.64	814931.71
815	25+77.42	30.37' LT	760.96	383694.47	814934.96
816	25+97.58	29.00' LT	761.57	383710.28	814947.54
817	25+72.42	25.79' LT	760.72	383687.75	814935.89
818	25+77.42	24.17' LT	760.77	383690.95	814940.06
819	25+72.42	17.00' RT	761.06	383663.45	814971.11
820	25+77.42	17.00' RT	761.15	383667.56	814973.95
821	25+60.00	24.00' RT	761.59	383649.25	814969.82
822	25+72.42	24.00' RT	761.48	383659.47	814976.88
823	25+77.42	24.00' RT	761.56	383663.59	814979.72
824	25+92.42	24.00' RT	762.18	383675.93	814988.23
825	25+60.02	29.00' RT	761.67	383646.43	814973.95
826	25+72.42	29.00' RT	761.56	383656.63	814980.99
827	25+77.42	29.00' RT	761.63	383660.75	814983.83
828	25+92.42	29.00' RT	762.26	383673.10	814992.35
829	25+19.57	36.00' LT	760.10	383650.05	814897.48
830	25+67.13	36.00' LT	760.64	383689.19	814924.49
831	25+77.42	26.37' LT	760.81	383692.19	814938.26
832	25+91.31	34.00' LT	761.56	383707.96	814939.87
833	25+91.06	29.00' LT	761.49	383704.92	814943.84

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CURB RAMP DETAILS	SHEET 35	E

FILE NAME : P:\18005\18705\1878\01878045\CADD\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 021308-cr
PLOT DATE : 10/26/2021 5:14 PM
PLOT BY : CONNOR GIRTEN
PLOT NAME :
PLOT SCALE : 1 IN:10 FT



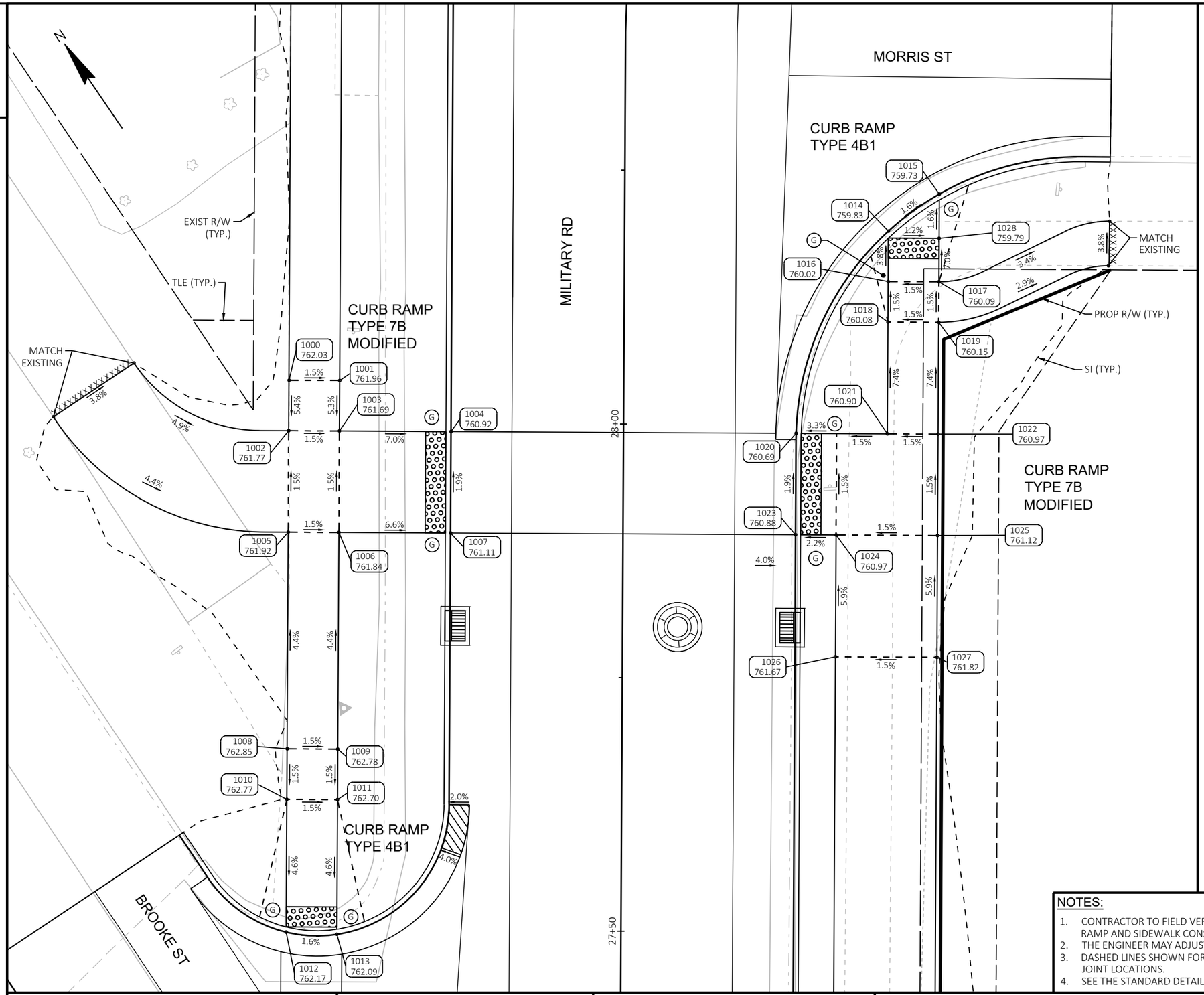
CURBRAMPS-BROOKE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
900	26+61.62	42.90' LT	762.78	383770.89	814972.47
901	26+64.55	38.85' LT	762.71	383771.00	814977.47
902	26+65.02	33.00' LT	762.09	383768.06	814982.55
903	26+53.51	37.06' LT	762.21	383760.90	814972.67
904	26+56.44	33.00' LT	762.14	383761.00	814977.67
905	26+57.62	28.00' LT	761.97	383759.13	814982.46
906	26+54.62	28.00' LT	762.05	383756.66	814980.76
907	26+48.27	33.28' LT	762.16	383754.44	814972.81
908	26+48.04	28.28' LT	762.09	383751.41	814976.78
909	26+38.98	33.74' LT	762.39	383747.06	814967.15
910	26+38.73	28.75' LT	762.31	383744.02	814971.12
911	26+95.08	31.00' RT	763.42	383756.46	815052.30
912	26+80.36	29.00' RT	763.44	383745.48	815042.29

LEGEND:

- .XXXX. SAWCUT REQ'D
- DETECTABLE WARNING FIELD
- GUTTER PAN SLOPE TRANSITION (2.0% TO 4.0%) (UNLESS OTHERWISE NOTED)
- (G) 6:1 GRADED FLARE
- (C) 10:1 CONCRETE FLARE
- (PED) CONCRETE CURB PEDESTRIAN
- XXXX YYY.YY POINT NUMBER & ELEVATION

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST FIELD CONDITIONS TO FIT FIELD CONDITION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.



CURBRAMPS-MORRIS S					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1000	28+04.13	32.99' LT	762.03	383882.56	815061.56
1001	28+04.13	28.00' LT	761.96	383879.72	815065.66
1002	27+99.16	33.00' LT	761.77	383878.47	815058.73
1003	27+99.16	28.00' LT	761.69	383875.63	815062.84
1004	27+99.16	17.00' LT	760.92	383869.39	815071.90
1005	27+89.16	33.00' LT	761.92	383870.24	815053.05
1006	27+89.16	28.00' LT	761.84	383867.40	815057.16
1007	27+89.16	17.00' LT	761.11	383861.16	815066.22
1008	27+67.81	32.98' LT	762.85	383852.66	815040.94
1009	27+67.81	28.00' LT	762.78	383849.83	815045.04
1010	27+62.81	33.00' LT	762.77	383848.56	815038.09
1011	27+62.81	28.01' LT	762.70	383845.72	815042.20
1012	27+49.74	33.00' LT	762.17	383837.80	815030.66
1013	27+49.55	28.00' LT	762.09	383834.80	815034.67
1014	28+19.12	26.00' RT	759.83	383861.40	815118.63
1015	28+22.81	31.00' RT	759.73	383861.59	815124.83
1016	28+14.16	26.00' RT	760.02	383857.32	815115.81
1017	28+14.16	31.00' RT	760.09	383854.48	815119.93
1018	28+10.16	26.00' RT	760.08	383854.03	815113.54
1019	28+10.16	31.00' RT	760.15	383851.19	815117.66
1020	27+99.16	17.01' RT	760.69	383850.07	815099.89
1021	27+99.16	26.00' RT	760.90	383844.97	815107.29
1022	27+99.16	31.00' RT	760.97	383842.13	815111.41
1023	27+89.16	17.00' RT	760.88	383841.85	815094.20
1024	27+89.16	21.00' RT	760.97	383839.58	815097.49
1025	27+89.16	31.00' RT	761.12	383833.90	815105.73
1026	27+77.16	21.00' RT	761.67	383829.70	815090.68
1027	27+77.16	31.00' RT	761.82	383824.02	815098.91
1028	28+18.44	31.00' RT	759.79	383858.00	815122.35

LEGEND:

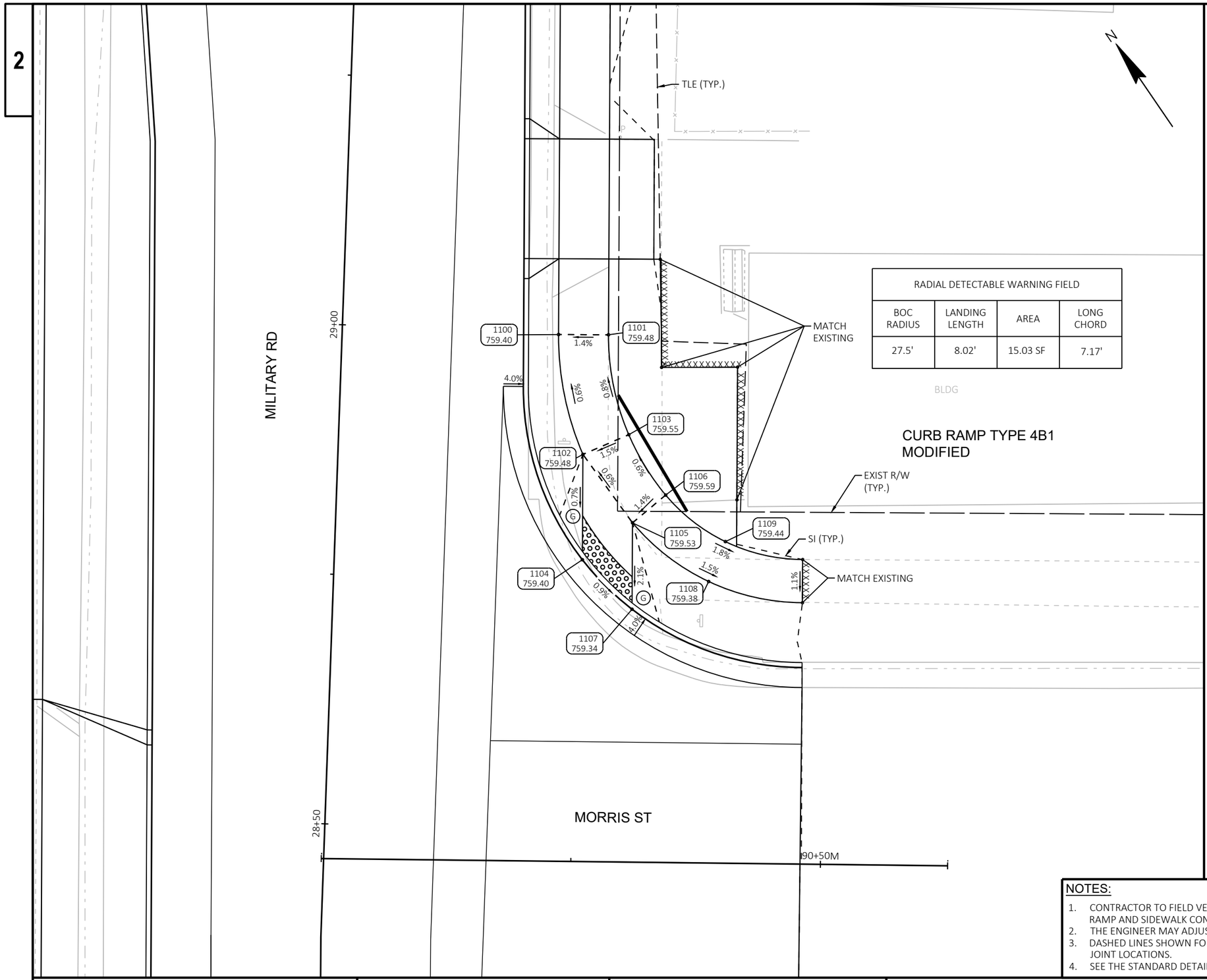
- XXXX — SAWCUT REQ'D
- DETECTABLE WARNING FIELD
- GUTTER PAN SLOPE TRANSITION (2.0% TO 4.0%) (UNLESS OTHERWISE NOTED)
- (G) 6:1 GRADED FLARE
- (C) 10:1 CONCRETE FLARE
- (PED) CONCRETE CURB PEDESTRIAN
- XXXX YYY.YY — POINT NUMBER & ELEVATION

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST FIELD CONDITIONS TO FIT FIELD CONDITION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CURB RAMP DETAILS	SHEET 37	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 021310-cr
PLOT DATE : 10/26/2021 5:14 PM
PLOT BY : CONNOR GIRTEN
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



RADIAL DETECTABLE WARNING FIELD			
BOC RADIUS	LANDING LENGTH	AREA	LONG CHORD
27.5'	8.02'	15.03 SF	7.17'

CURBRAMPS-MORRIS N					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1100	28+99.78	21.67' RT	759.40	383928.65	815161.99
1101	28+99.93	26.67' RT	759.48	383925.81	815166.11
1102	28+87.87	24.53' RT	759.48	383917.36	815157.24
1103	28+90.01	29.05' RT	759.55	383916.40	815162.15
1104	28+77.33	24.85' RT	759.40	383908.68	815151.25
1105	28+81.20	29.73' RT	759.53	383908.91	815157.48
1106	28+84.09	32.96' RT	759.59	383909.33	815161.79
1107	28+72.55	29.99' RT	759.34	383901.78	815152.57
1108	28+75.59	37.56' RT	759.38	383899.75	815160.46
1109	28+79.65	39.09' RT	759.44	383902.11	815164.10

LEGEND:

- XXXX — SAWCUT REQ'D
- DETECTABLE WARNING FIELD
- GUTTER PAN SLOPE TRANSITION (2.0% TO 4.0%) (UNLESS OTHERWISE NOTED)
- (G) — 6:1 GRADED FLARE
- (C) — 10:1 CONCRETE FLARE
- (PED) — CONCRETE CURB PEDESTRIAN
- XXXX YYY.YY — POINT NUMBER & ELEVATION

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST FIELD CONDITIONS TO FIT FIELD CONDITION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CURB RAMP DETAILS	SHEET 38	E

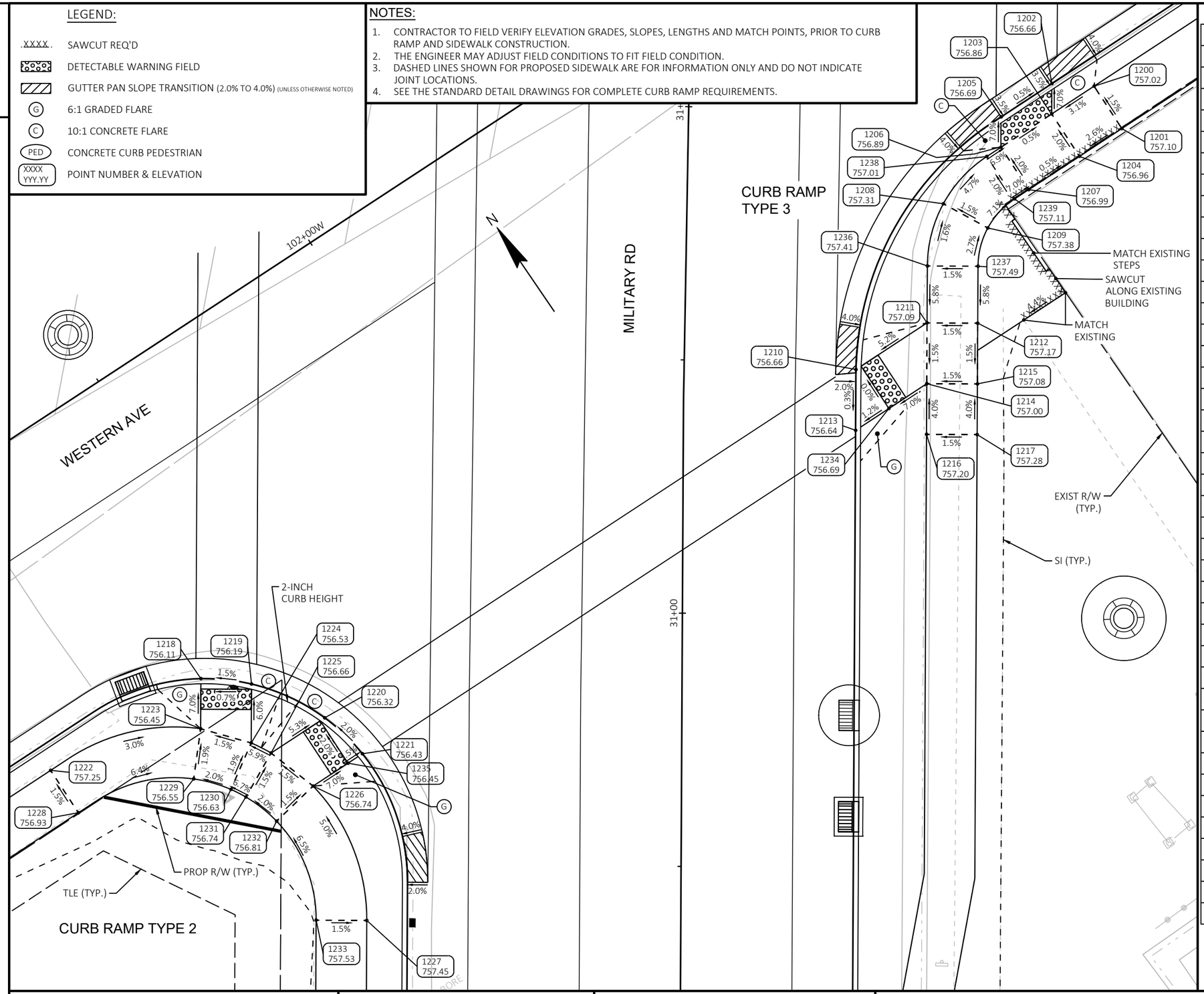
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LEGEND:

- .XXXX. SAWCUT REQ'D
- DETECTABLE WARNING FIELD
- GUTTER PAN SLOPE TRANSITION (2.0% TO 4.0%) (UNLESS OTHERWISE NOTED)
- (G) 6:1 GRADED FLARE
- (C) 10:1 CONCRETE FLARE
- (PED) CONCRETE CURB PEDESTRIAN
- XXXX YYY.YY POINT NUMBER & ELEVATION

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST FIELD CONDITIONS TO FIT FIELD CONDITION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.



CURBRAMPS-WESTERN S					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1200	102+73.17'W'	29.50' RT	757.02	384125.68	815322.07
1201	102+73.17'W'	34.50' RT	757.10	384120.68	815321.97
1202	102+69.82'W'	27.00' RT	756.66	384128.24	815318.77
1203	102+68.17'W'	29.50' RT	756.86	384125.77	815317.07
1204	102+68.17'W'	34.50' RT	756.96	384120.77	815316.98
1205	102+63.82'W'	27.00' RT	756.69	384128.35	815312.77
1206	102+62.17'W'	29.50' RT	756.89	384125.88	815311.07
1207	102+62.17'W'	34.50' RT	756.99	384120.88	815310.98
1208	102+54.36'W'	31.05' RT	757.31	384124.48	815303.24
1209	102+56.72'W'	35.45' RT	757.38	384120.03	815305.52
1210	31+24.35	16.96' RT	756.66	384115.82	815286.89
1211	31+29.08	23.90' RT	757.09	384115.67	815295.28
1212	31+29.14	28.90' RT	757.17	384112.83	815299.40
1213	31+18.14	17.00' RT	756.64	384110.89	815283.48
1214	31+23.08	23.97' RT	757.00	384110.73	815291.87
1215	31+23.14	28.97' RT	757.08	384107.89	815295.99
1216	31+17.78	24.00' RT	757.20	384106.62	815289.03
1217	31+17.78	29.00' RT	757.28	384103.78	815293.15
1218	101+67.37'W'	30.06' RT	756.11	384127.07	815216.28
1219	101+71.26'W'	33.25' RT	756.19	384123.81	815220.11
1220	30+89.49	35.25' LT	756.32	384116.98	815224.20
1221	30+85.97	31.52' LT	756.43	384111.96	815225.27
1222	101+50.00'W'	29.50' RT	757.25	384127.95	815198.92
1223	101+64.64'W'	34.18' RT	756.45	384123.00	815213.47
1224	30+86.97	42.50' LT	756.53	384119.02	815216.80
1225	30+85.99	40.53' LT	756.66	384117.10	815217.86
1226	30+82.75	36.37' LT	756.74	384112.07	815219.45
1227	30+69.51	31.00' LT	757.45	384098.12	815216.35
1228	101+50.00'W'	34.50' RT	756.93	384122.95	815198.83
1229	101+61.35'W'	37.95' RT	756.55	384119.29	815210.11
1230	101+63.86'W'	40.83' RT	756.63	384116.36	815212.57
1231	30+81.64	43.00' LT	756.74	384114.92	815213.36
1232	30+79.27	39.96' LT	756.81	384111.24	815214.52
1233	30+69.51	36.00' LT	757.53	384100.96	815212.24
1234	31+20.31	20.28' RT	756.69	384110.81	815287.40
1235	30+85.03	32.94' LT	756.45	384111.99	815223.57
1236	31+34.70	23.83' RT	757.41	384120.30	815298.47
1237	31+34.76	28.83' RT	757.49	384117.46	815302.59
1238	102+60.51'W'	29.50' RT	757.01	384125.91	815309.41
1239	102+60.51'W'	34.50' RT	757.11	384120.91	815309.32

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CURB RAMP DETAILS	SHEET 39	E

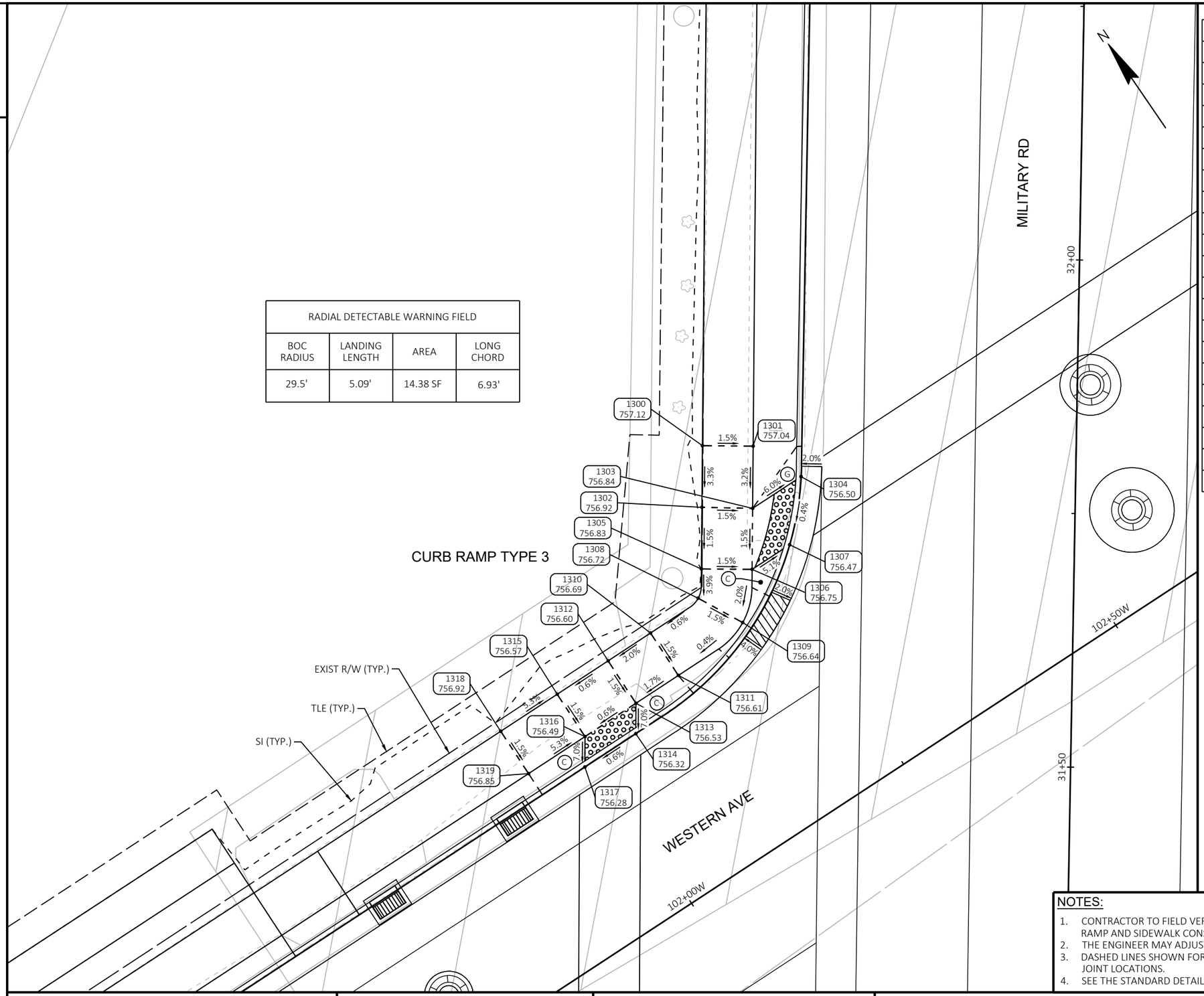
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LAYOUT NAME - 021312-cr

PLOT DATE : 10/26/2021 5:14 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

RADIAL DETECTABLE WARNING FIELD			
BOC RADIUS	LANDING LENGTH	AREA	LONG CHORD
29.5'	5.09'	14.38 SF	6.93'

CURB RAMP TYPE 3



CURBRAMPS-WESTERN NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1300	31+81.04	36.84' LT	757.12	384193.18	815275.77
1301	31+81.09	31.84' LT	757.04	384190.33	815279.87
1302	31+74.97	36.78' LT	756.92	384188.20	815272.30
1303	31+74.95	31.78' LT	756.84	384185.29	815276.37
1304	31+78.16	27.06' LT	756.50	384185.18	815282.08
1305	31+68.89	36.73' LT	756.83	384183.20	815268.84
1306	31+68.94	31.73' LT	756.75	384180.35	815272.94
1307	31+71.43	28.07' LT	756.47	384180.27	815277.36
1308	31+66.00	36.99' LT	756.72	384181.00	815266.94
1309	31+63.68	32.56' LT	756.64	384176.55	815269.22
1310	102+11.23'W'	24.50' LT	756.69	384180.81	815261.14
1311	102+11.23'W'	19.50' LT	756.61	384175.81	815261.05
1312	102+06.23'W'	24.50' LT	756.60	384180.90	815256.14
1313	102+06.23'W'	19.50' LT	756.53	384175.90	815256.05
1314	102+04.57'W'	17.00' LT	756.32	384173.44	815254.34
1315	102+00.23'W'	24.50' LT	756.57	384181.01	815250.14
1316	102+00.23'W'	19.50' LT	756.49	384176.02	815250.05
1317	101+98.57'W'	17.00' LT	756.28	384173.55	815248.35
1318	101+93.57'W'	24.50' LT	756.92	384181.14	815243.49
1319	101+93.57'W'	19.50' LT	756.85	384176.14	815243.39

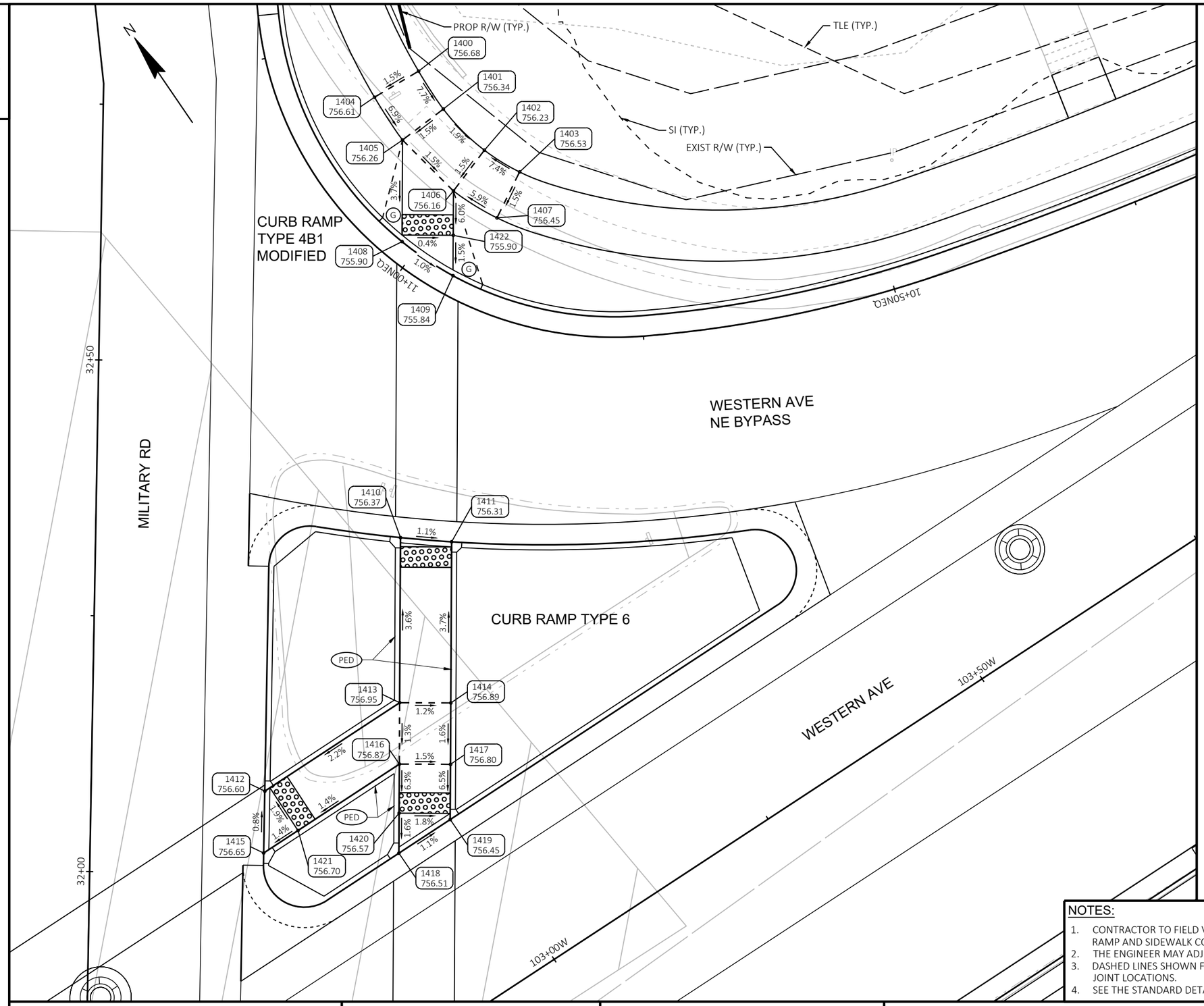
LEGEND:

- XXXX SAWCUT REQ'D
- DETECTABLE WARNING FIELD
- GUTTER PAN SLOPE TRANSITION (2.0% TO 4.0%) (UNLESS OTHERWISE NOTED)
- (G) 6:1 GRADED FLARE
- (C) 10:1 CONCRETE FLARE
- (PED) CONCRETE CURB PEDESTRIAN
- XXXX YYY.YY POINT NUMBER & ELEVATION

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST FIELD CONDITIONS TO FIT FIELD CONDITION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CURB RAMP DETAILS	SHEET 40	E



CURBRAMPS-WESTERN NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1400	11+17.44'NEQ'	13.85' RT	756.68	384233.84	815387.42
1401	11+10.09'NEQ'	14.00' RT	756.34	384229.42	815387.33
1402	11+00.59'NEQ'	14.00' RT	756.23	384223.84	815388.38
1403	10+93.85'NEQ'	14.00' RT	756.53	384220.15	815390.02
1404	11+16.81'NEQ'	8.86' RT	756.61	384234.17	815382.43
1405	11+10.09'NEQ'	9.00' RT	756.26	384229.17	815382.34
1406	11+00.59'NEQ'	9.00' RT	756.16	384222.25	815383.64
1407	10+93.85'NEQ'	9.00' RT	756.45	384217.68	815385.67
1408	11+01.65'NEQ'	2.00' RT	755.90	384220.99	815376.70
1409	10+95.28'NEQ'	2.00' RT	755.84	384215.43	815378.93
1410	10+90.64'NEQ'	23.44' LT	756.37	384197.19	815360.27
1411	10+87.69'NEQ'	22.24' LT	756.31	384194.03	815364.16
1412	32+08.16	16.97' RT	756.60	384184.20	815335.35
1413	32+17.03	29.99' RT	756.95	384183.91	815351.11
1414	103+05.29'W'	26.50' LT	756.89	384181.07	815355.22
1415	32+02.11	16.97' RT	756.65	384179.26	815331.85
1416	32+11.03	30.07' RT	756.87	384178.97	815347.70
1417	103+01.98'W'	21.50' LT	756.80	384176.13	815351.82
1418	102+93.00'W'	17.00' LT	756.51	384171.80	815342.75
1419	102+99.00'W'	17.00' LT	756.45	384171.69	815348.75
1420	102+95.16'W'	20.26' LT	756.57	384175.02	815344.98
1421	32+04.37	20.28' RT	756.70	384179.19	815335.86
1422	10+97.50'NEQ'	5.42' RT	755.90	384218.69	815381.18

LEGEND:

- XXXX SAWCUT REQ'D
- DETECTABLE WARNING FIELD
- GUTTER PAN SLOPE TRANSITION (2.0% TO 4.0%) (UNLESS OTHERWISE NOTED)
- (G) 6:1 GRADED FLARE
- (C) 10:1 CONCRETE FLARE
- (PED) CONCRETE CURB PEDESTRIAN
- XXXX / YYY.YY POINT NUMBER & ELEVATION

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST FIELD CONDITIONS TO FIT FIELD CONDITION.
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4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CURB RAMP DETAILS	SHEET 41	E

2

2

N

EXISTING R/W

SUPERIOR ST.

BP: 19+64.86S

PT: 19+28.28S

PC: 19+23.64S

BP: 0+81.45WB

PC: 1+47.47WB

PT: 1+12.89WB

W 9TH ST. (WEST)

EXISTING R/W

REPLACE WITH ASPHALTIC SURFACE

SAWING ASHPALT

SI

TLE

EP: 21+69.45S

BP: 30+00.00WA

MILITARY RD

EP: 30+65.68WA

WALKER ST.

PC: 13+81.64

PT: 14+35.36

PI: 15+80.58

PI: 17+30.78

MATCH LINE STA 16+25

R/W

EXISTING R/W

BP: 10+00.00EB9

PCC: 10+37.19EB9

PC: 10+67.68EB9

PT: 10+85.83EB9

EP: 10+95.83EB9

PI: 10+78.78WB9

W 9TH ST. (EAST)

LIBERTY ST.

LOW MAINTENANCE SEED MIX

BLDG

HSE

SIGN

GRGE

PROP

LEGEND

HYDRO MULCH

SLOPE INTERCEPT

INLET PROTECTION TYPE B OR C

SURFACE WATER FLOW

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	EROSION CONTROL	SHEET 42	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - (1)

PLOT DATE : 10/27/2021 1:52 PM

PLOT BY : BRAD LEE

PLOT NAME :

PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

HYDRO MULCH

SLOPE INTERCEPT

INLET PROTECTION TYPE B OR C

SURFACE WATER FLOW

N

MATCH LINE STA 16+25

MATCH LINE STA 22+00

BP: 50+00.00G

GROVE ST.

EXISTING R/W

TLE

PT: 16+33.11

PI: 17+32.67

EP: 50+90.02G

MILITARY ROAD

17

18

19

20

21

BP: 60+00.00H

PI: 60+35.04H

EP: 60+64.18H

HENNING ST.

BLDG

HSE

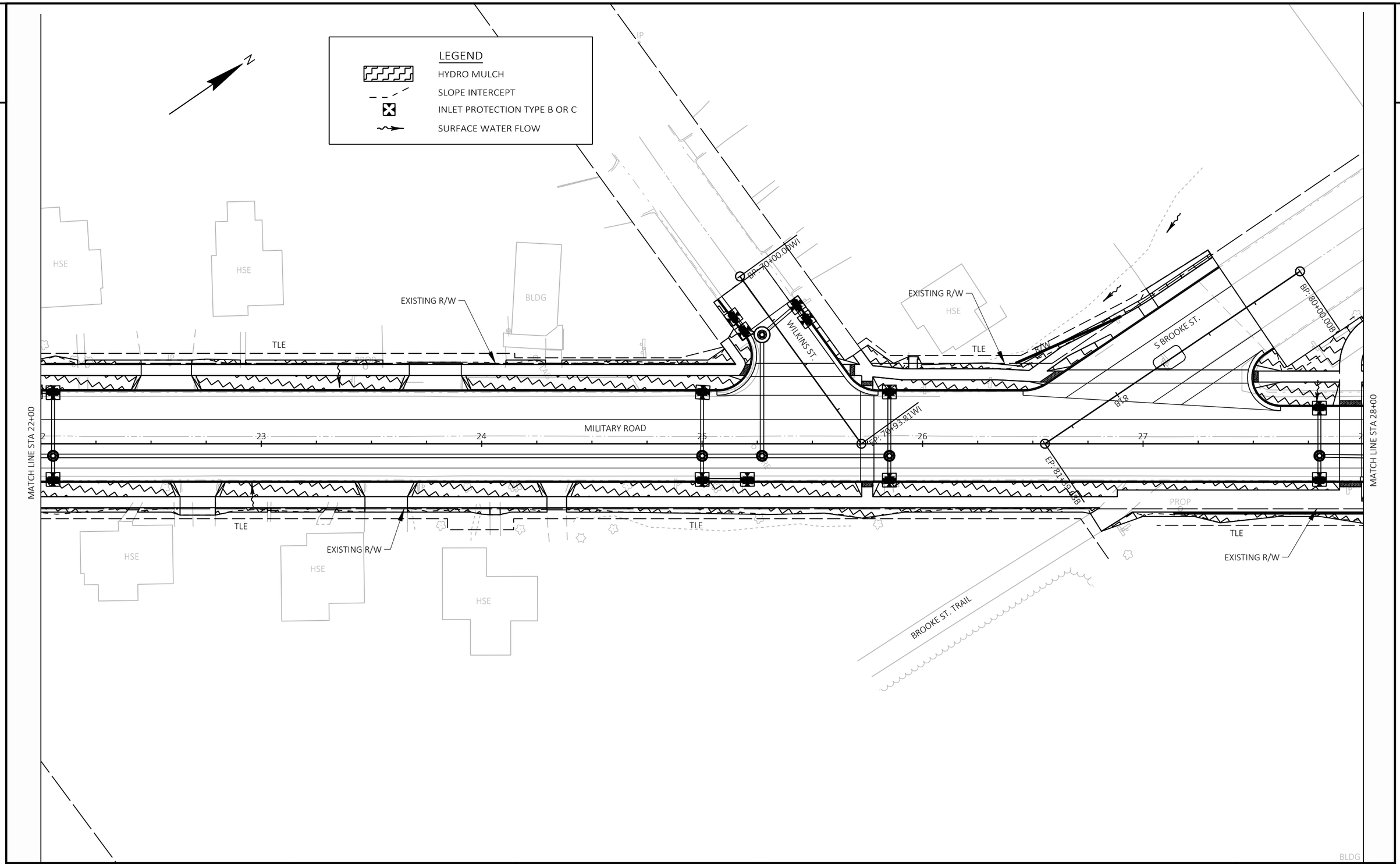
GRGE

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	EROSION CONTROL	SHEET 43	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - (2)

PLOT DATE : 10/27/2021 1:52 PM PLOT BY : BRAD LEE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	EROSION CONTROL	SHEET 44	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - (3)

PLOT DATE : 10/27/2021 1:52 PM PLOT BY : BRAD LEE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

HYDRO MULCH

SLOPE INTERCEPT

INLET PROTECTION TYPE B OR C

SURFACE WATER FLOW

MATCH LINE STA 28+00

BP: 90+00.00M

EP: 90+62.74M

PI: 29+38.47

PI: 31+20.76

PI: 32+77.02

EP: 33+48.08

MILITARY ROAD

WESTERN AVE.

103W

104W

EXISTING R/W

EXISTING LOCATION OF CONTAMINATED SOIL AND GROUND WATER

R/W

TLE

REPLACE WITH ASPHALTIC SURFACE

BLDG

GRGE

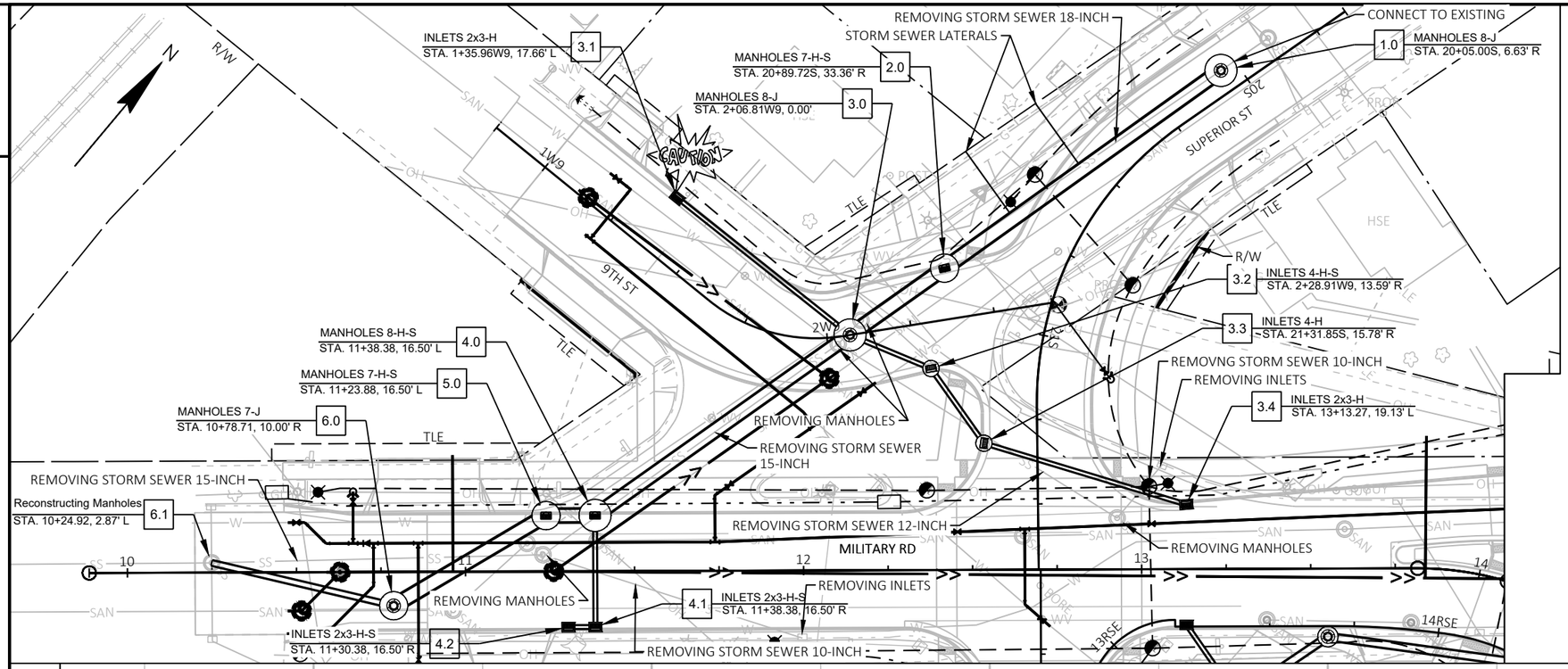
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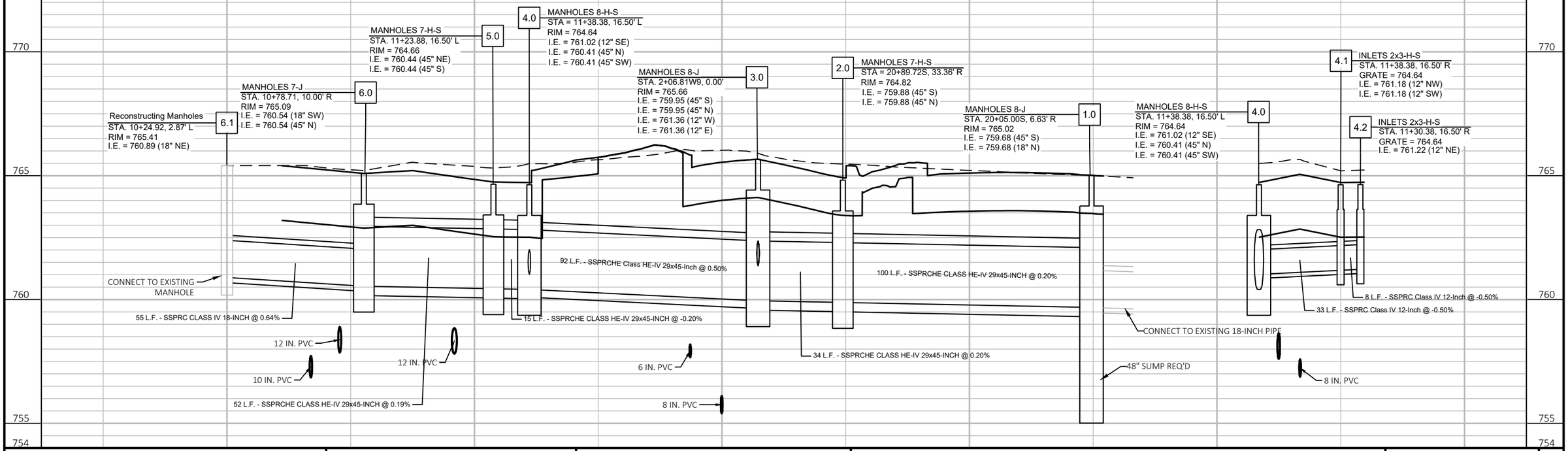
PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	EROSION CONTROL	SHEET 45	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - (4)

PLOT DATE : 10/28/2021 9:54 AM PLOT BY : BRAD LEE PLOT NAME : PLOT SCALE : 1 IN:40 FT

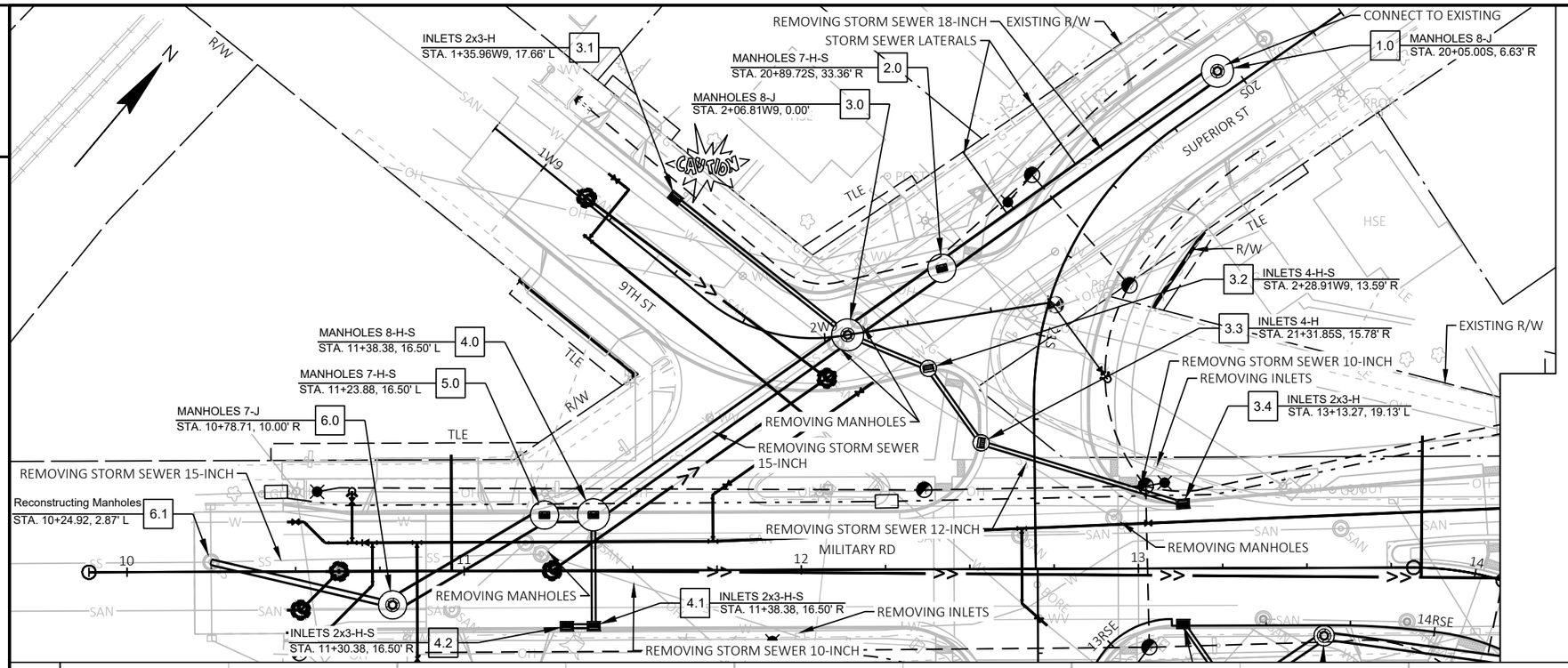
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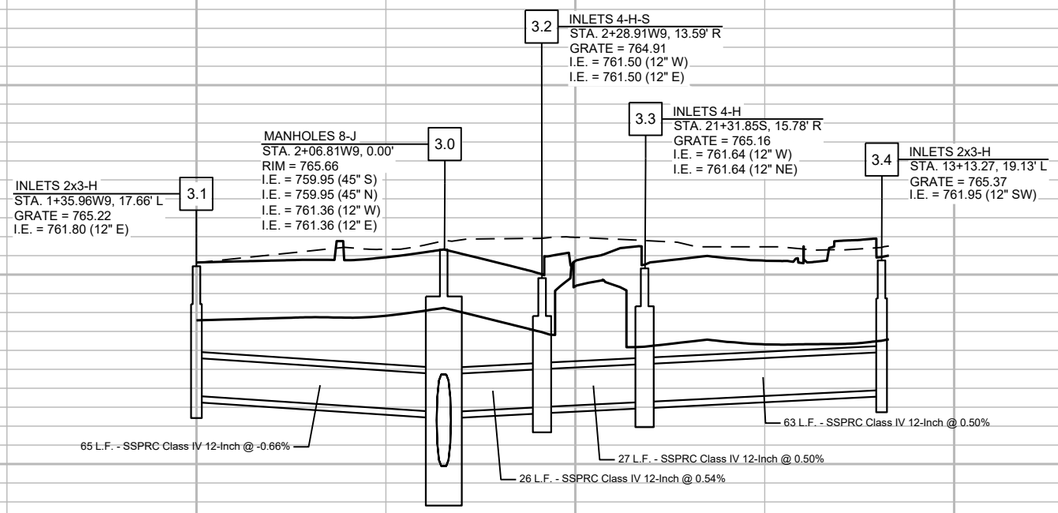




PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	STORM SEWER	SHEET 46	E

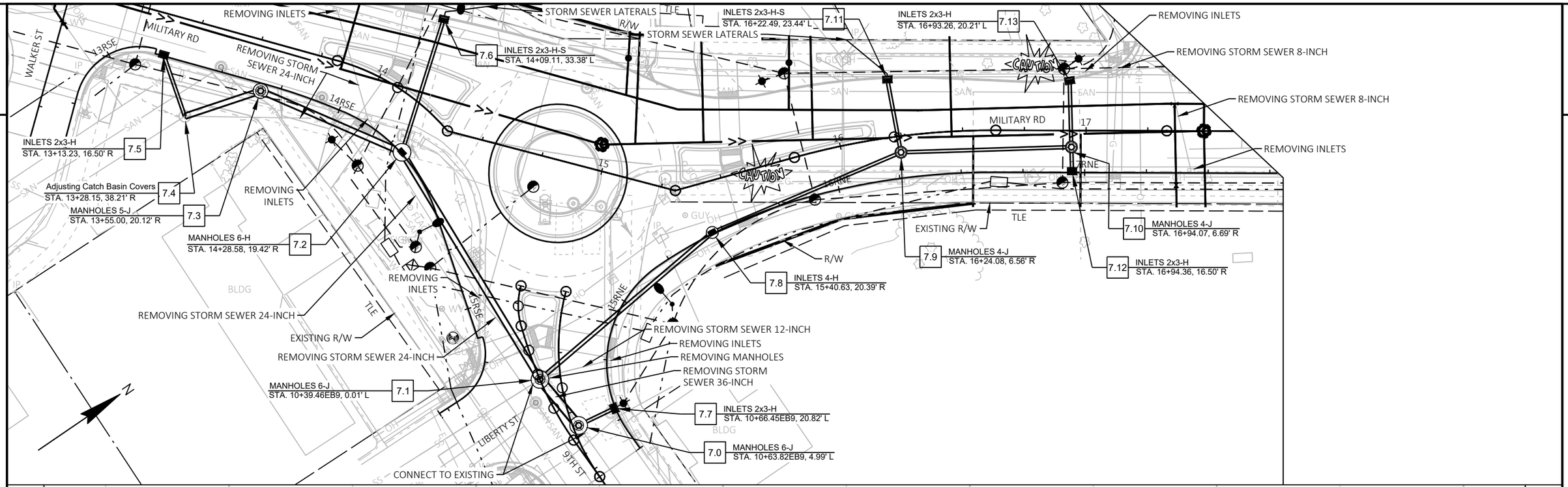
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LAYOUT NAME - 022501-ss
PLOT DATE : 10/28/2021 9:42 AM
PLOT BY : BRAD LEE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

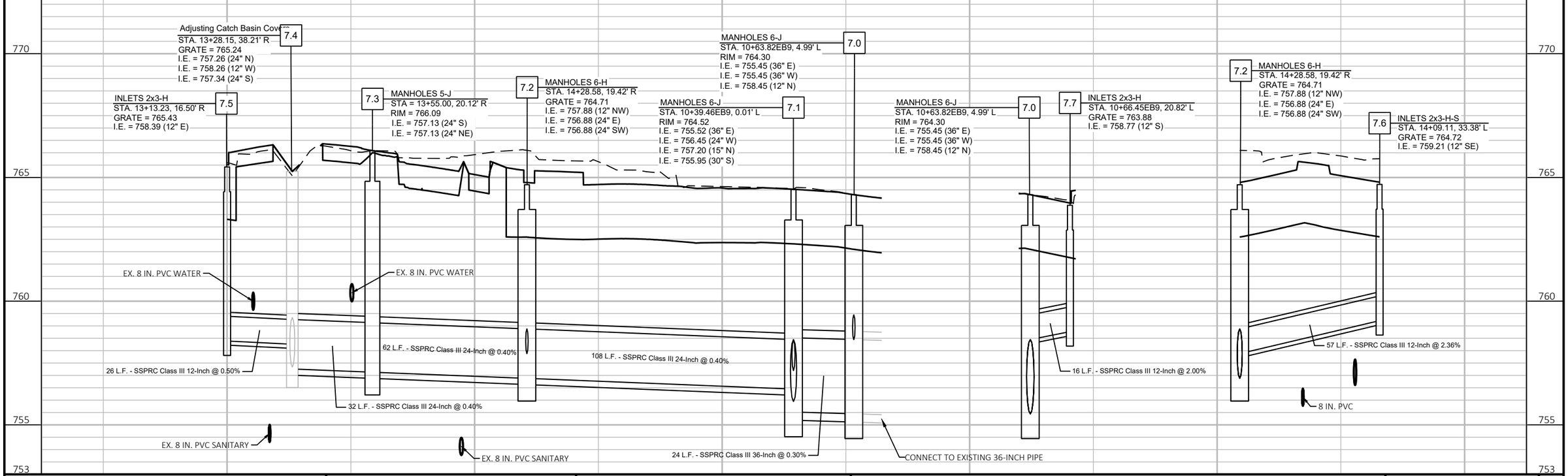




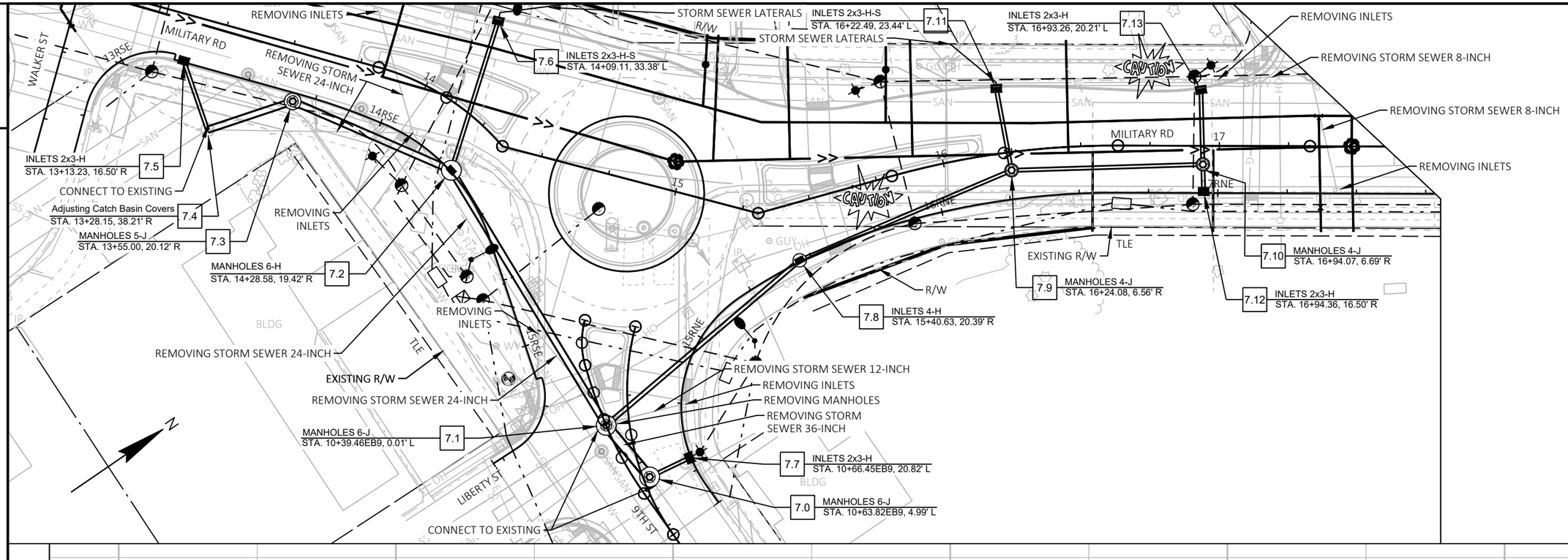
PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	STORM SEWER	SHEET 47	E

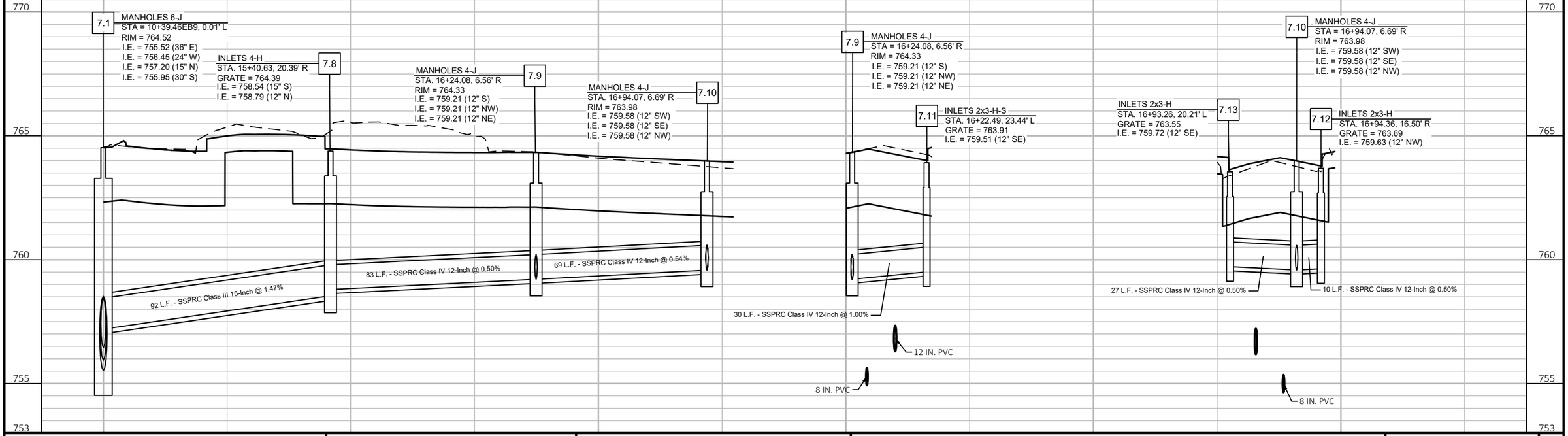
FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022502-ss
PLOT DATE : 10/28/2021 9:42 AM
PLOT BY : BRAD LEE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41



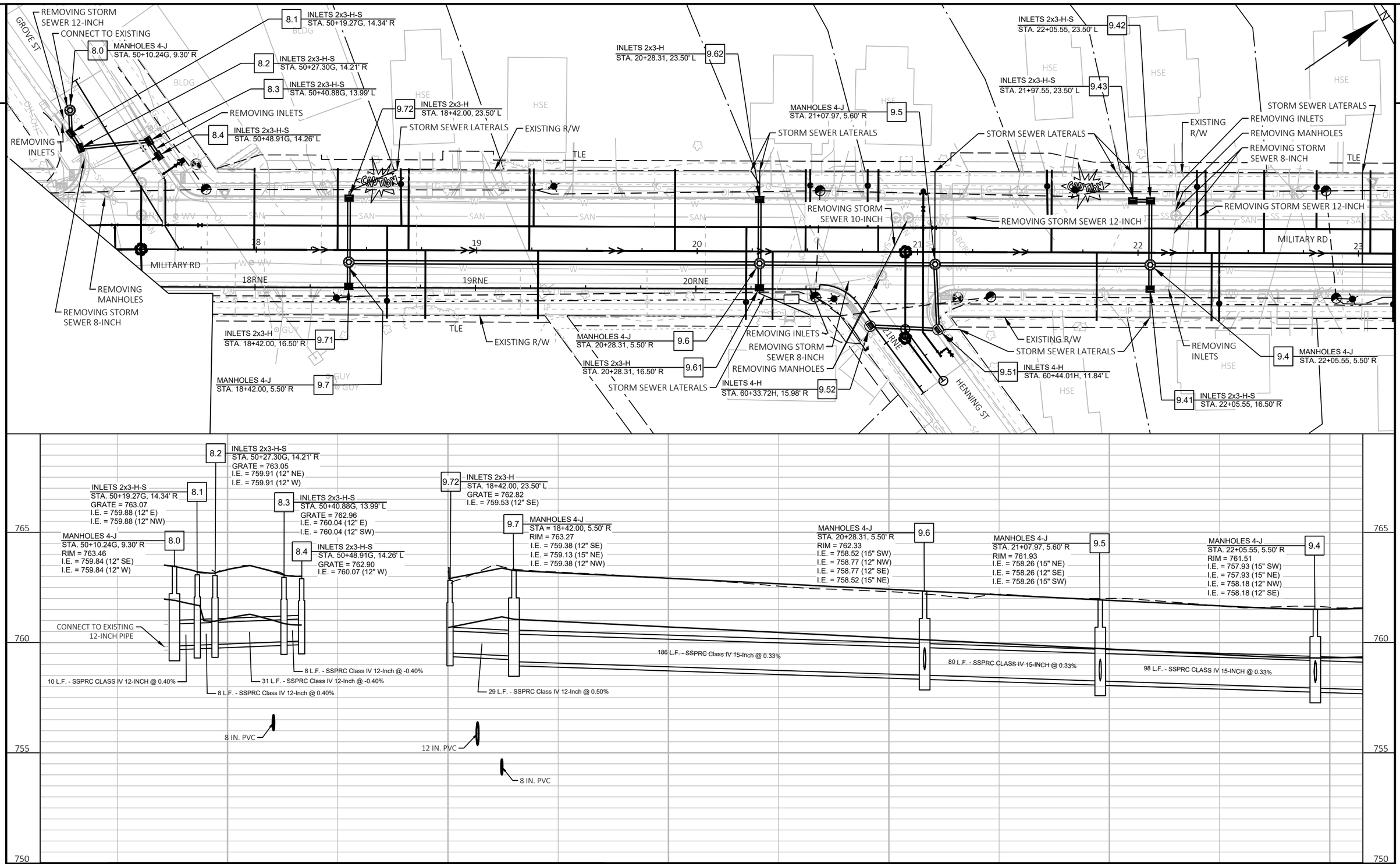


PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	STORM SEWER	SHEET 48	E





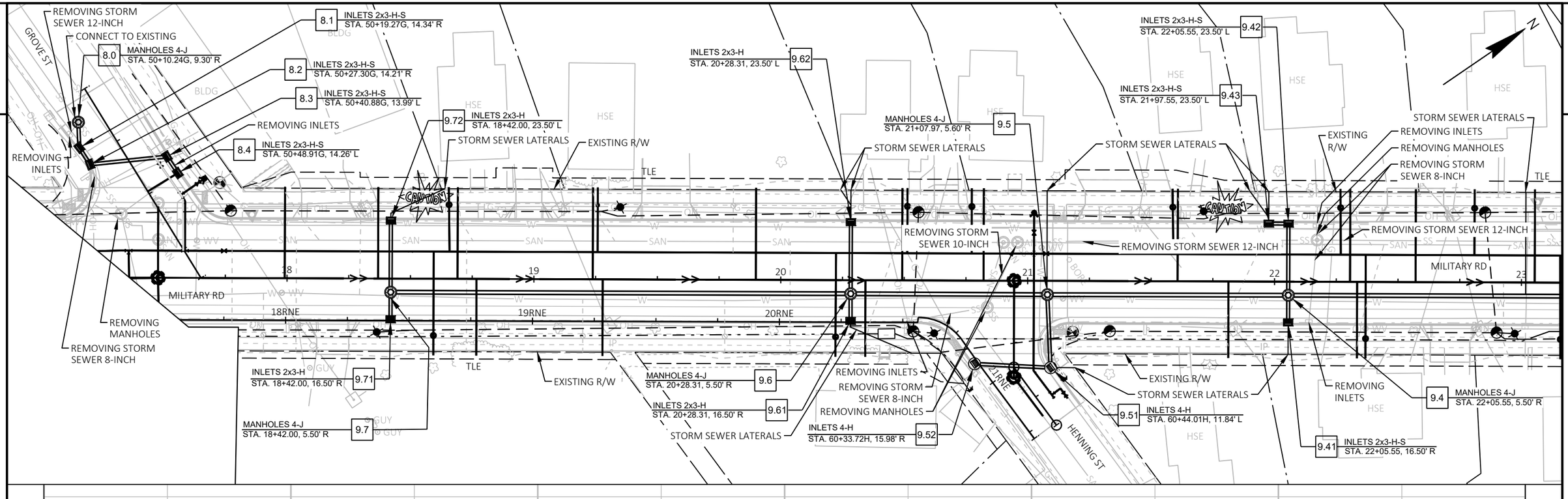
PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	STORM SEWER	SHEET 49	E

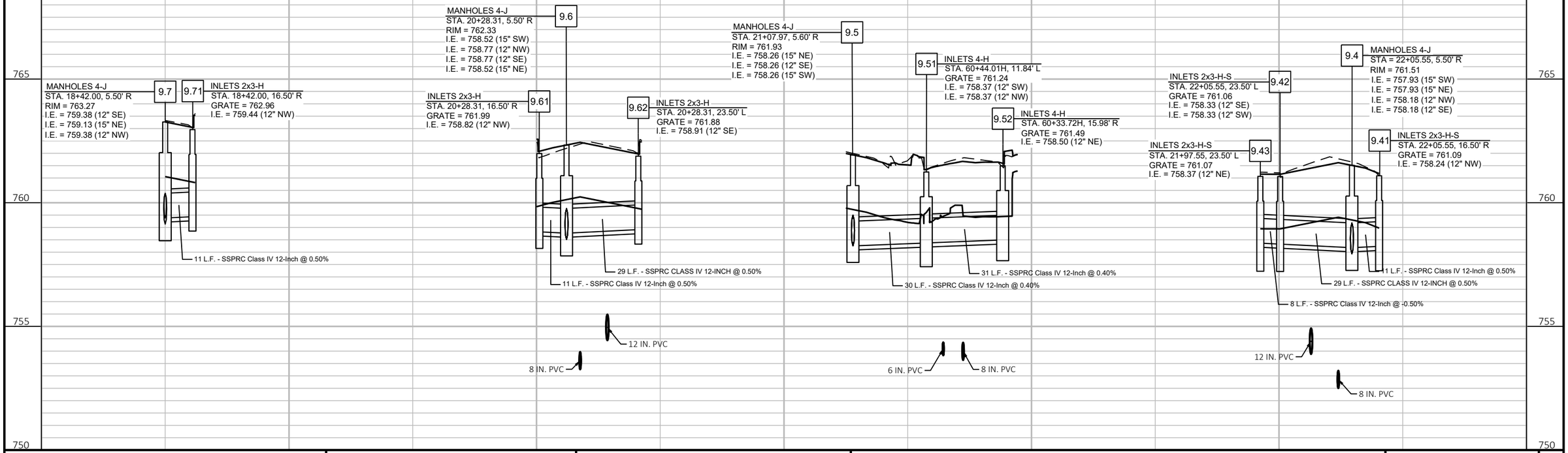


PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	STORM SEWER	SHEET 50	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022505-ss

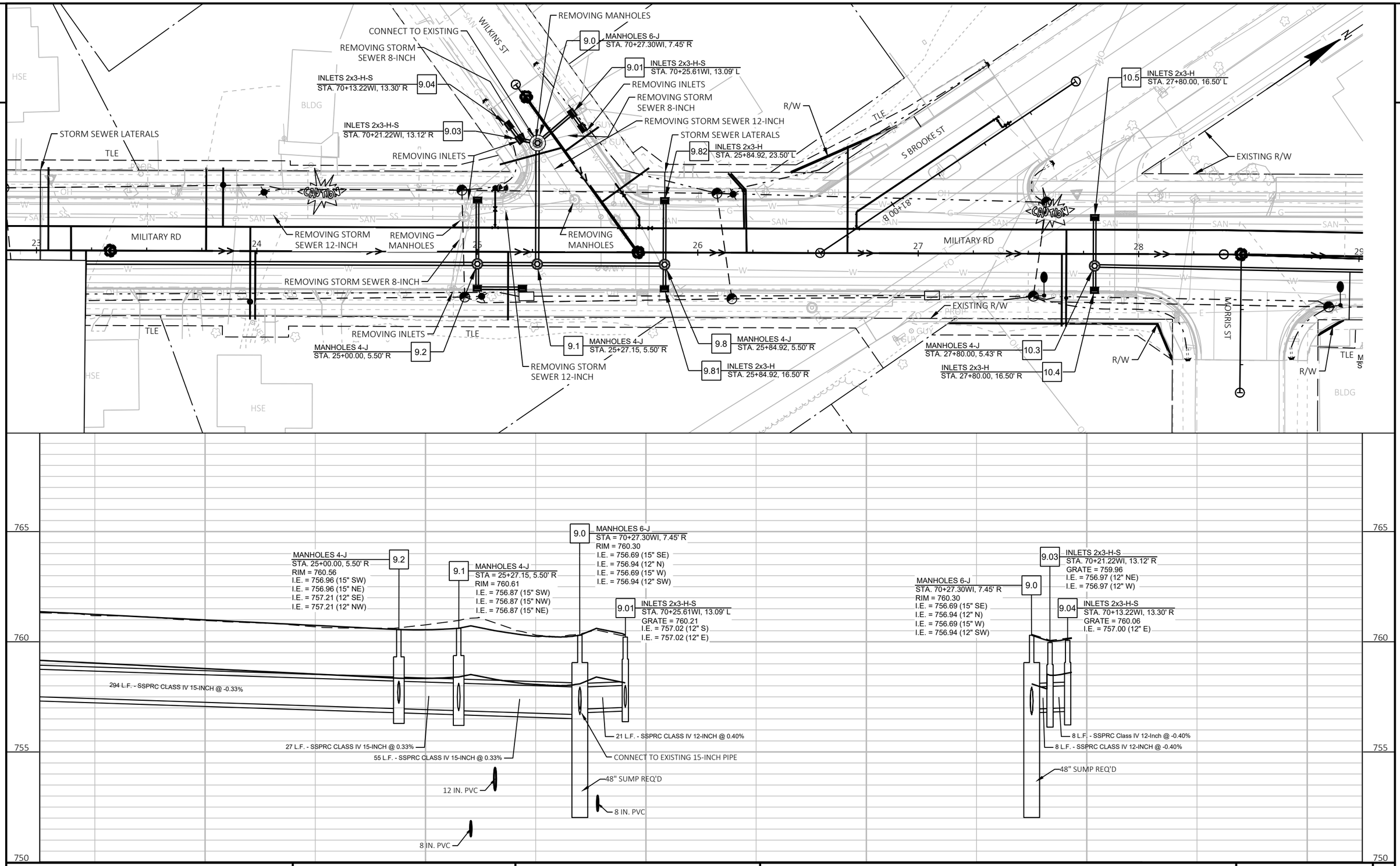
PLOT DATE : 10/28/2021 9:43 AM PLOT BY : BRAD LEE PLOT NAME : PLOT SCALE : 1 IN:40 FT





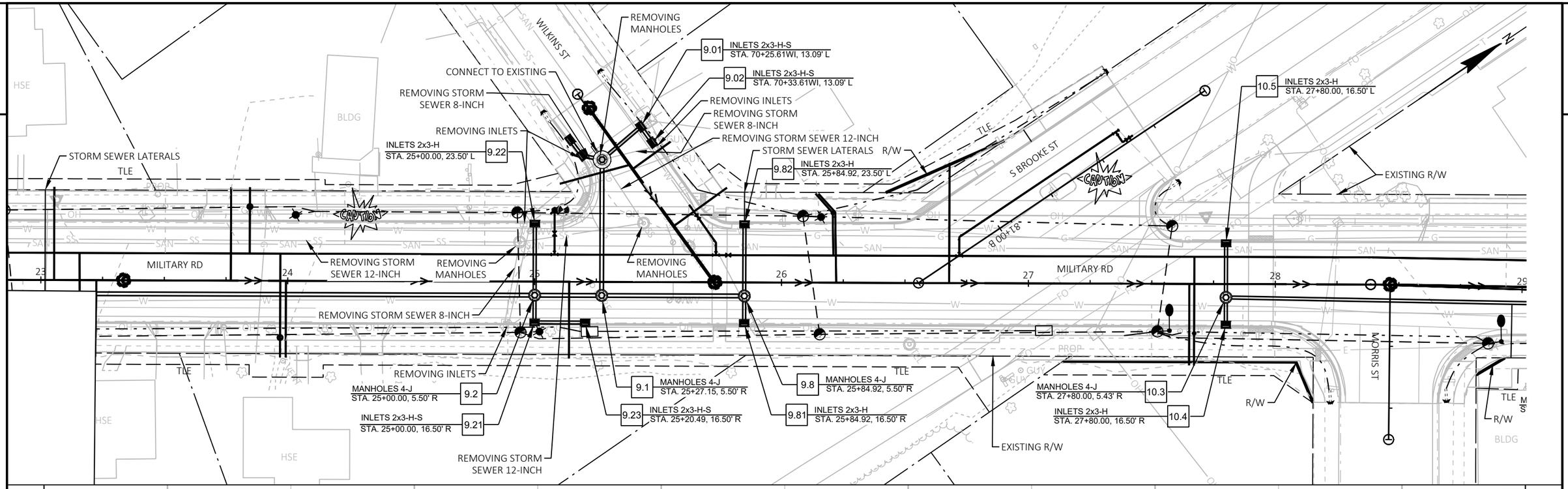
PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	STORM SEWER	SHEET 51	E

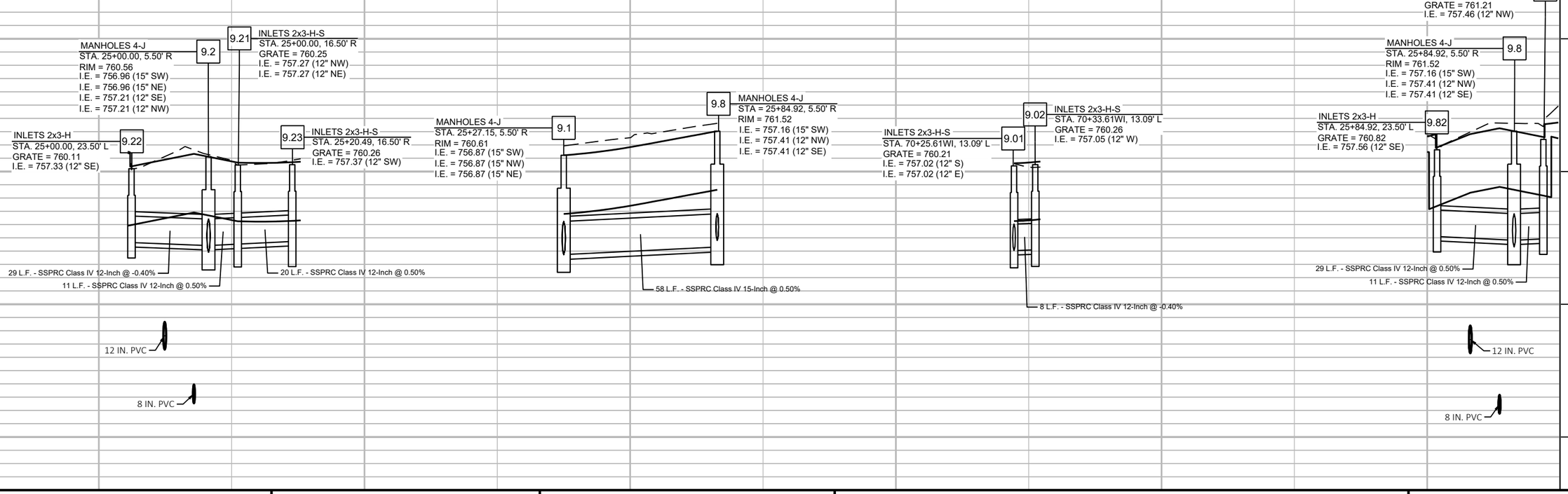
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LAYOUT NAME - 022506-ss
PLOT DATE : 10/28/2021 9:44 AM
PLOT BY : BRAD LEE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41



PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	STORM SEWER	SHEET 52	E

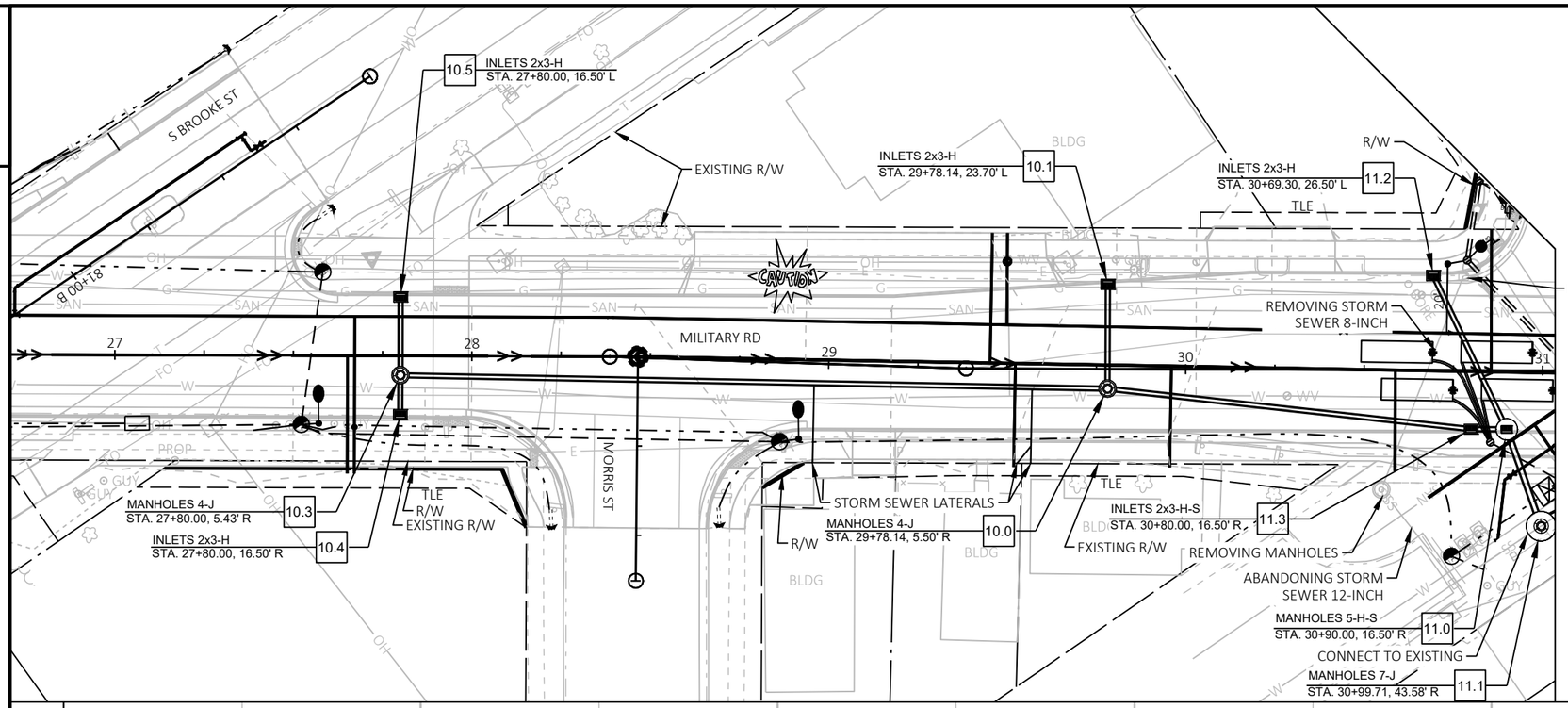
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LAYOUT NAME - 022507-ss
PLOT DATE : 10/28/2021 9:44 AM
PLOT BY : BRAD LEE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

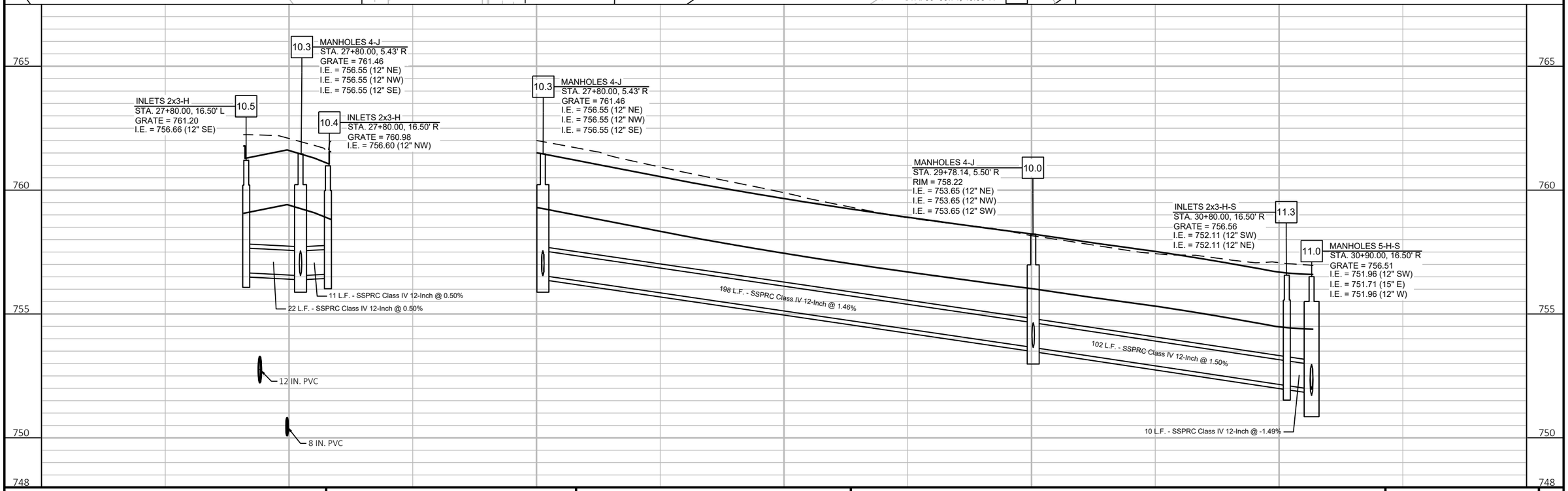




PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	STORM SEWER	SHEET 53	E

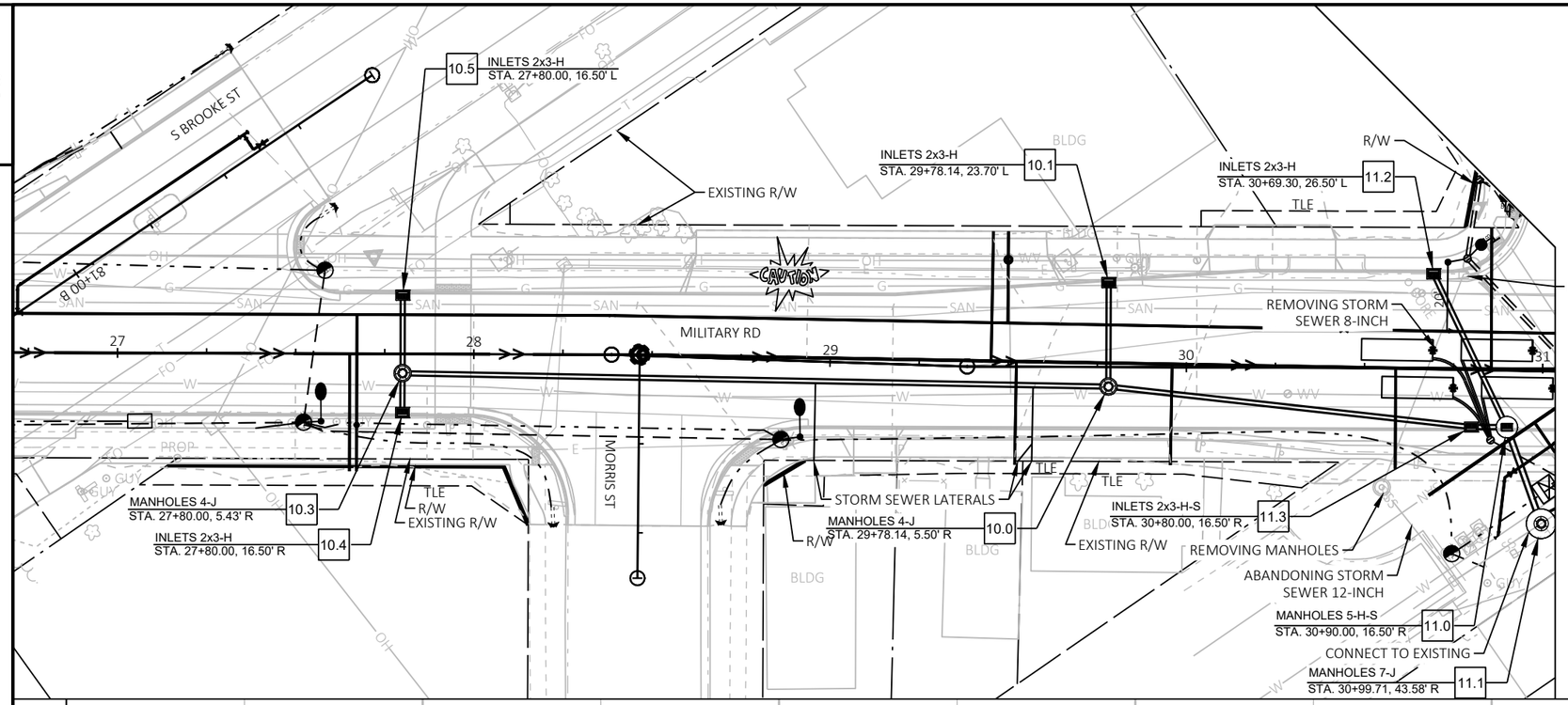
2

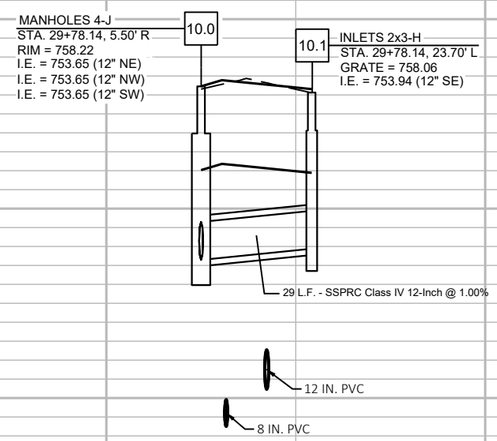


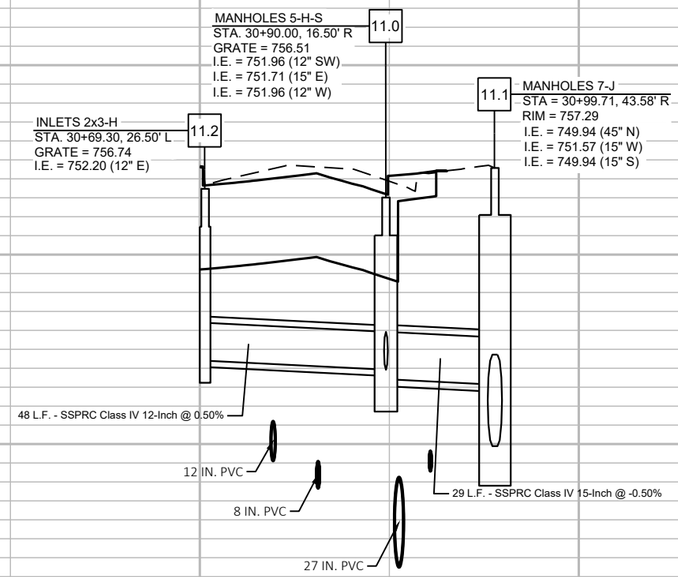


PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	STORM SEWER	SHEET 54	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022509-ss
PLOT DATE : 10/28/2021 9:45 AM
PLOT BY : BRAD LEE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41



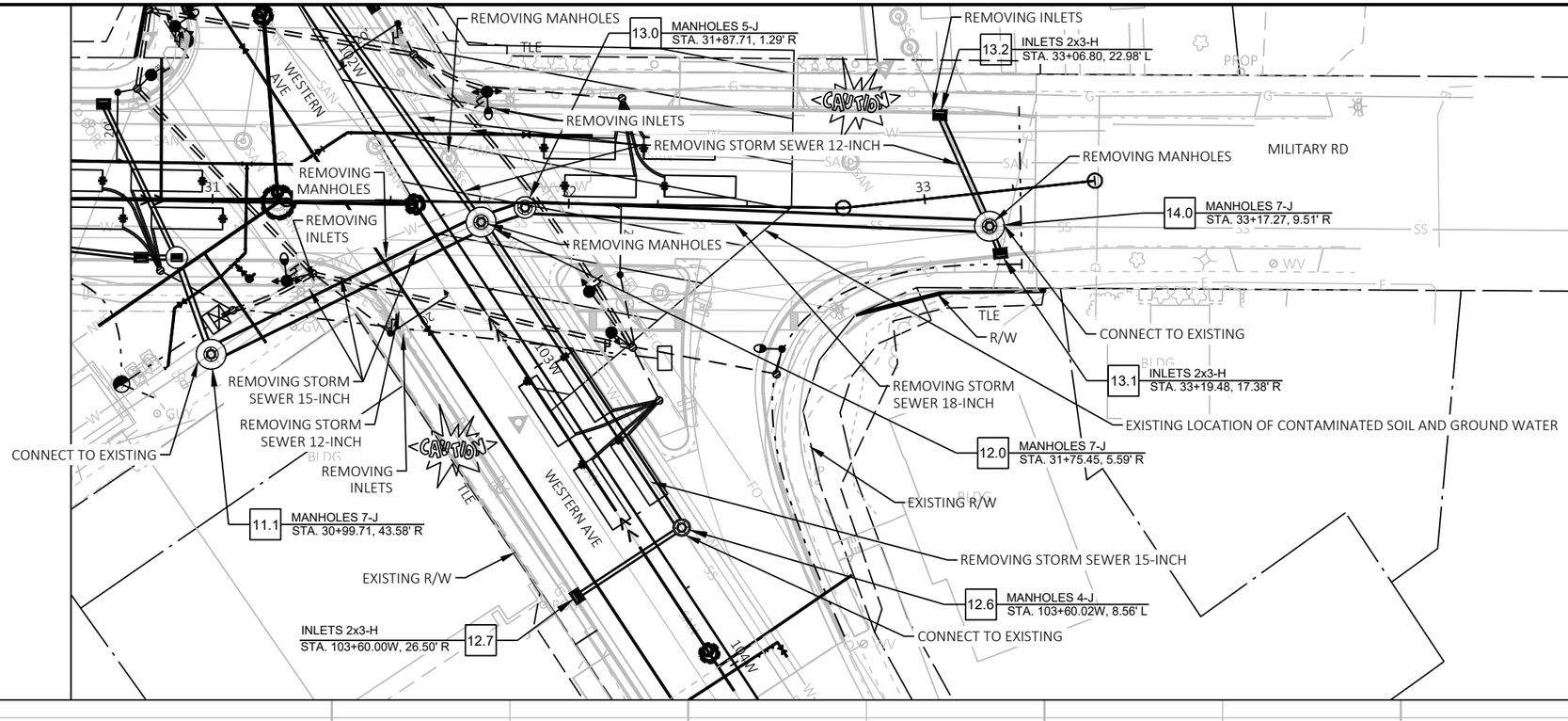


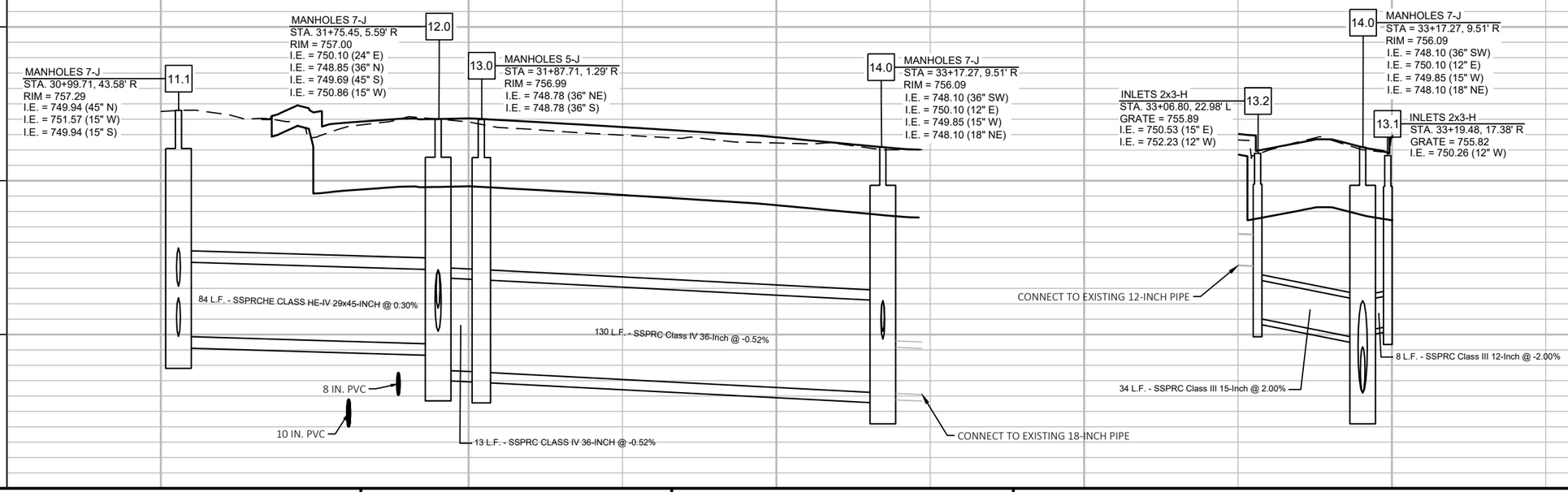


760
755
750
745

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	STORM SEWER	SHEET 55	E

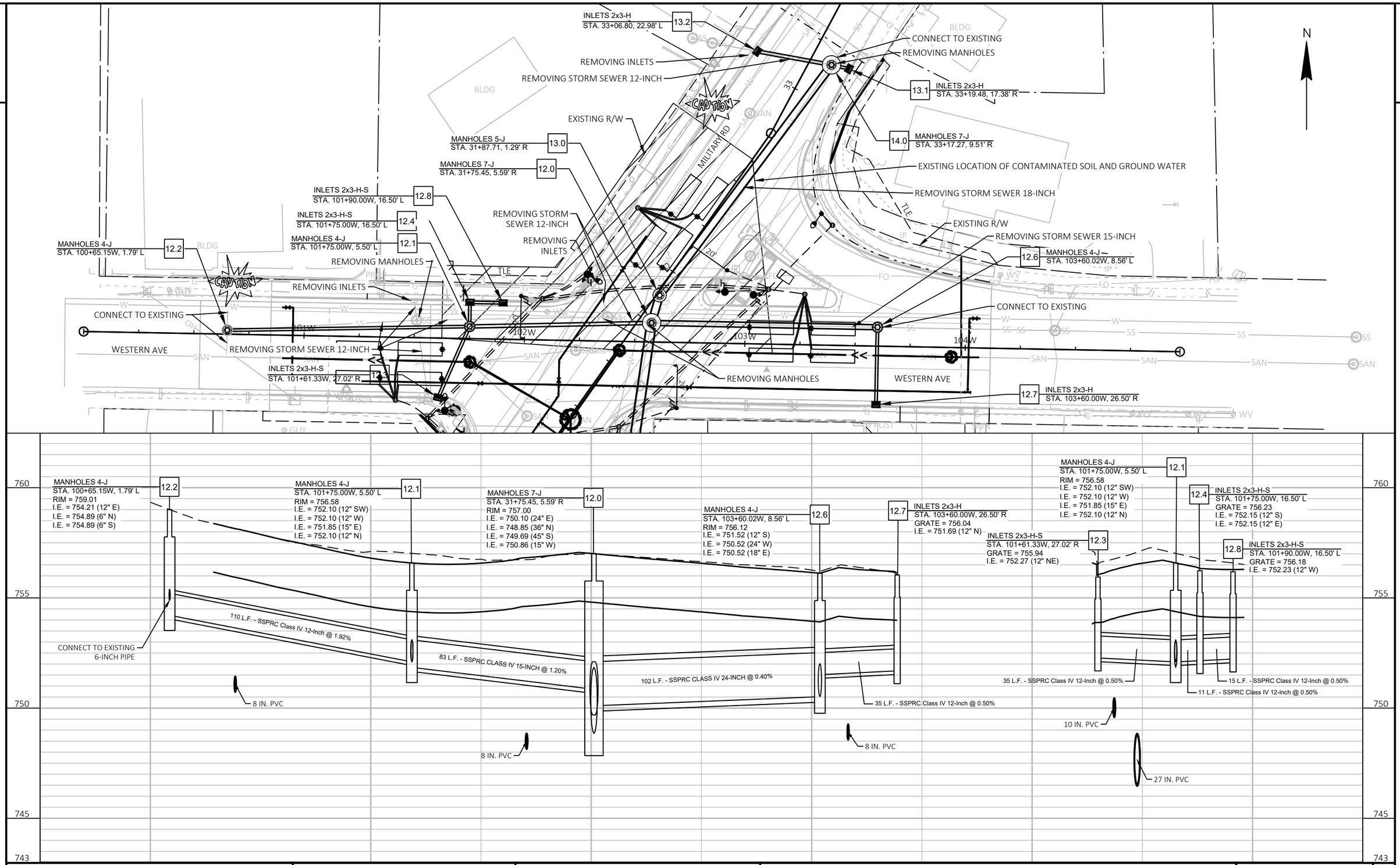
FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022510-ss
PLOT DATE : 10/28/2021 9:45 AM
PLOT BY : BRAD LEE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41





PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	STORM SEWER	SHEET 56 E

2



PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	STORM SEWER	SHEET 57	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022512-ss
PLOT DATE : 10/28/2021 9:46 AM
PLOT BY : BRAD LEE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

2

2

BP: 0+81.45W9

1W9

TLE

EXISTING R/W

EXISTING R/W

BP: 19+64.86S

W 9TH ST.

EP: 2+67.28W9

2W9

R/W

TLE

EXISTING R/W

SUPERIOR ST.

R/W

EXISTING R/W

R/W

CAUTION

MILITARY ROAD

EP: 21+69.45S

BP: 30+00.00WA

MILITARY ROAD

MATCH LINE 16+25

EXISTING R/W

TLE

EXISTING R/W

WALKER ST.

EP: 30+65.68WA

CAUTION

TLE

R/W

EXISTING R/W

BP: 10+00.00EB9

BP: 10+00.00WB9

EXISTING R/W

EXISTING R/W

EXISTING R/W

LIBERTY ST.

EP: 10+78.78WB9

EXISTING R/W

W 9TH ST. (EAST)

EP: 10+95.83EB9

LEGEND

PIPE UNDERDRAIN END CAP

PIPE UNDERDRAIN 6-INCH

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	PIPE UNDERDRAIN	SHEET 58	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\022601-PU.DWG
LAYOUT NAME - (1)

PLOT DATE : 10/28/2021 8:49 AM PLOT BY : BRAD LEE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

BP: 50+00.00G

GROVE ST.

EP: 50+90.02G

TLE

EXISTING R/W

CAUTION

MILITARY ROAD

17 18 19 20 21 22

BP: 60+00.00H

MATCH LINE 16+25

MATCH LINE 22+25

R/W

GUY

HENNING ST.

EP: 60+64.18H

SAN SS W WV G OH

LEGEND

PIPE UNDERDRAIN END CAP

PIPE UNDERDRAIN 6-INCH

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	PIPE UNDERDRAIN	SHEET 59	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\022601-PU.DWG
LAYOUT NAME - (2)

PLOT DATE : 10/28/2021 11:06 AM PLOT BY : BRAD LEE PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44

2

2

MATCH LINE 22+25

MATCH LINE 28+25

MILITARY ROAD

WILKINS ST.

S BROOKE ST.

BP: 70+00.00WI

EP: 70+93.81WI

BP: 80+00.00B

EP: 84+39.68B

PIPE UNDERDRAIN TO AVOID LIGHT POLE BASE

EXISTING R/W

R/W

TLE

CAUTION

LEGEND

PIPE UNDERDRAIN END CAP

PIPE UNDERDRAIN 6-INCH

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	PIPE UNDERDRAIN	SHEET 60	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\022601-PU.DWG
LAYOUT NAME - (3)

PLOT DATE : 10/28/2021 11:06 AM PLOT BY : BRAD LEE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

N

MATCH LINE 28+25

EXISTING R/W

TLE

R/W

WESTERN AVE.

EXISTING R/W

PIPE UNDERDRAIN TO AVOID SIGNAL POLE BASE AND PULL BOX (TYP)

TLE

EXISTING R/W

MILITARY ROAD

MILITARY ROAD

BP: 90+00.00M

29

30

31

32

33

EP: 33+48.03

EP: 11+76.61NEQ

11NEQ

TLE

R/W

PIPE UNDERDRAIN TO AVOID LIGHT POLE BASE

TLE

R/W

EXISTING R/W

EP: 90+62.74M

MORRIS ST.

LEGEND

PIPE UNDERDRAIN END CAP

PIPE UNDERDRAIN 6-INCH

EXISTING R/W

TLE

WESTERN AVE.

TLE

104W

BP: 10+00.00NEQ

EP: 104+97.40W

EXISTING R/W

TLE

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	PIPE UNDERDRAIN	SHEET 61	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\022601-PU.DWG
LAYOUT NAME - (4)

PLOT DATE : 10/28/2021 11:06 AM PLOT BY : BRAD LEE PLOT NAME : PLOT SCALE : ##########

2

CONTRACTOR TO INVESTIGATE AND FIELD VERIFY THE LOCATION OF ALL ACTIVE SANITARY LATERALS (INC.). CONTRACTOR TO DYE TEST TO DETERMINE WHICH LATERALS ARE ACTIVE (INC.).

KEY NOTES:
- A REMOVE MANHOLE
- B REMOVE VALVE BOX
- C REMOVE HYDRANT
- D ADJUST EX. VALVE BOX
- E ADJUST EX. CURB STOP BOX
- F ADJUST EX. SANITARY MANHOLE

N
NWR

6 8"X6" TEE
STA = 10+66.8 @ 8.5' L
3 12" X 8" REDUCER
STA = 10+69.8 @ 8.5' L
2 8" 45 BEND
STA = 10+58.8 @ 8.5' L
1 8" 45 BEND
STA = 10+52.5 @ 14.7' L

40 4" GATE VALVE & BOX
STA = 10+86.0 @ 26.0' R
43 L.F. - 4" W.M.
CONNECT TO EX. 4" W.M.
STA = 10+83.0 @ 34.5' L

15 12" GATE VALVE & BOX
STA = 12+45.6 @ 11.3' L

8 L.F. - 8" W.M. @ 0.00%
HYDRANT ASSEMBLY
STA = 10+66.8 @ 23.8' L
6" GATE VALVE & BOX
15 L.F. - 6" W.M.
HYDRANT
FIN. GND. ELEV. = 765.7

9 L.F. - 8" W.M. @ 3.06%
5 L.F. - 8" W.M. @ 0.00%
8" GATE VALVE & BOX
STA = 10+50.0 @ 14.7' L
CONNECT TO EX. 8" C.I. W.M.
STA = 10+47.5 @ 14.7' L
CONTRACTOR TO FIELD VERIFY
LOCATION & ELEVATION

3 L.F. - 8" W.M. @ 0.00%
3 L.F. - 12" W.M. @ 0.00%
12"X12" TEE
STA = 10+72.8 @ 8.5' L
13 L.F. - 12" W.M. @ -0.55%
12"X4" TEE
STA = 10+86.0 @ 8.5' L
88 L.F. - 12" W.M. @ -0.74%

R/W
4 L.F. - 12 IN. PVC @-0.40%
INSTALL 12" PLUG
STA = 10+58.8, 0.0'
16 L.F. - 10 IN. PVC @-0.31%
MILITARY RD.
CONNECT TO EX. 10" SAN.
STA = 10+47.4 @ 11.4' R
I.E. = 756.97±
CONTRACTOR TO FIELD VERIFY
LOCATION & ELEVATION
CONNECT TO EX. 12" C.I. W.M.
STA = 10+47.1 @ 18.1' R
CONTRACTOR TO FIELD VERIFY
LOCATION & ELEVATION

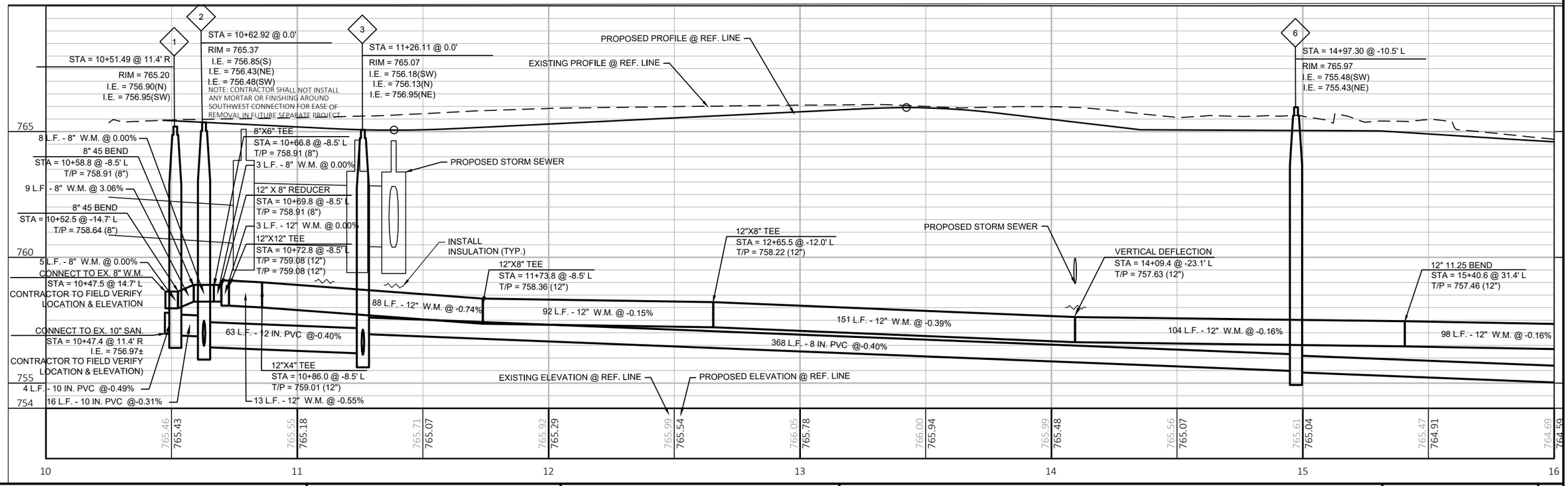
SAN. SEWER MH (48 IN)
STA = 10+51.49 @ 11.4' RT
1
12 L.F. - 12" W.M. @ 0.00%
TLE
2 SAN. SEWER MH (60 IN)
STA = 10+62.92 @ 0.00' T
20 L.F. - 12" W.M. @ 4.00%
12" GATE VALVE & BOX
STA = 10+52.8 @ 18.1' R

13 L.F. - 12" W.M. @ 0.00%
3 SAN. SEWER MH (48 IN)
STA = 11+26.11 @ 0.0' T
63 L.F. - 12 IN. PVC @-0.40%
4 12" 45 BEND
STA = 10+58.8 @ 18.1' R
T/P = 758.29 (12")
5 12" 45 BEND
STA = 10+72.8 @ 4.1' R
T/P = 759.08 (12")

W. 9TH ST.
SUPERIOR ST.
TLE
R/W
9" TILE
12"X8" TEE
STA = 11+73.8 @ 8.5' L
92 L.F. - 12" W.M. @ -0.15%
9 L.F. - 8" W.M. @ -4.59%
8" 45 BEND
STA = 12+65.5 @ 10.3' R
10 L.F. - 8" W.M. @ -3.03%
8" GATE VALVE & BOX
STA. 12+70.5 @ 14.7' R
CONN. TO EX. 8" PVC W.M.
STA = 12+72.9 @ 16.8' R
CONTRACTOR TO FIELD
VERIFY LOCATION &
ELEVATION)
WALKER ST.

4 SAN. SEWER MH (48 IN)
STA = 12+07.79 @ -56.8' LT
12"X8" TEE
STA = 12+65.5 @ 12.0' L
12" GATE VALVE & BOX
STA = 13+03.0 @ 13.5' L
14 L.F. - 8" W.M. @ -4.05%
151 L.F. - 12" W.M. @ -0.39%
368 L.F. - 8 IN. PVC @-0.40%
VERTICAL DEFLECTION
STA = 12+65.5 @ 1.6' R
T/P = 758.60 (8")

12" 11.25 BEND
STA = 15+40.6 @ 31.4' L
APPROX. LENGTH
OF LATERAL (TYP.)
42'
26' 45'
30'
104 L.F. - 12" W.M. @ -0.16%
98 L.F. - 12" W.M. @ -0.16%
APPROX. R/W
6 SAN. SEWER MH (48 IN)
STA = 14+97.30 @ -10.5' LT



PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	SANITARY SEWER & WATER MAIN PLAN	SHEET 62	E

FILE NAME : G:\01\01878\01878061\CADD\CONSTRUCTION DOCUMENTS\VFG - ALIGNMENT - MILITARY ROAD - (1) - (1)_RECOVER.DWG
LAYOUT NAME - 01
PLOT DATE : 10/28/2021 10:05 AM
PLOT BY : XXX
PLOT NAME :
PLOT SCALE : 1 IN: 40 FT
WISDOT/CADDS SHEET 44

NOTE: CONTRACTOR TO VERIFY WATER SERVICE TO 350 S. MILITARY RD. IS SERVICED OFF OF GROVE ST.

CONNECT TO EX. 8" SAN. AT EX. SAN. MH
STA = 50+55.2 @ 1.1' L
I.E. = 755.44±
CONTRACTOR TO FIELD VERIFY LOCATION & ELEVATION

HORIZONTAL DEFLECTION
STA = 16+33.5 @ 9.5' L

CONNECT TO EX.8" PVC W.M.
STA = 50+33.4 @ 9.4' L
CONTRACTOR TO FIELD VERIFY LOCATION & ELEVATION

HYDRANT ASSEMBLY
STA = 50+56.5 @ 22.2' L
6" GATE VALVE & BOX
12 L.F. - 6" W.M.
HYDRANT
FIN. GND. ELEV. = 763.7

16 8" 45 BEND
STA = 50+60.1 @ -10.9' L
T/P = 757.28 (8")

17 8"X6" TEE
STA = 50+57.1 @ -10.7' L
T/P = 757.28 (8")

18 8" GATE VALVE & BOX
STA = 50+42.4 @ 9.9' L

VERTICAL DEFLECTION
STA = 18+50.0 @ 11.0' L

APPROX. LENGTH OF LATERAL (TYP.)

12"X6" CROSS
STA = 21+02.5 @ 11.0' L

HYDRANT ASSEMBLY
STA = 21+02.5 @ 27.5' L
6" GATE VALVE & BOX
17 L.F. - 6" W.M.
HYDRANT
FIN. GND. ELEV. = 762.1

12" GATE VALVE & BOX
STA = 21+07.5 @ 11.0' L

29 L.F. - 8 IN. PVC @-1.00%
23 L.F. - 12" W.M. @ 0.00%
3 L.F. - 8" W.M. @ 0.00%
20 L.F. - 8" W.M. @ 0.00%
103 L.F. - 12" W.M. @ 0.15%
244 L.F. - 8 IN. PVC @-0.40%
91 L.F. - 12" W.M. @ -1.26%
253 L.F. - 12" W.M. @ -0.47%
347 L.F. - 8 IN. PVC @-0.40%
11 L.F. - 6" W.M. @ 0.00%

12"X4" TEE
STA = 17+35.8 @ 11.0' L

12" GATE VALVE & BOX
STA = 17+74.5 @ 11.0' L

12"X8" TEE
STA = 17+58.6 @ 11.0' L

7 SAN. SEWER MH (48 IN)
STA = 17+47.75 @ 0.0' T

8 SAN. SEWER MH (48 IN)
STA = 20+94.52 @ 0.0' T

VERTICAL DEFLECTION
STA = 21+02.5 @ 0.0'
T/P = 755.11 (6")

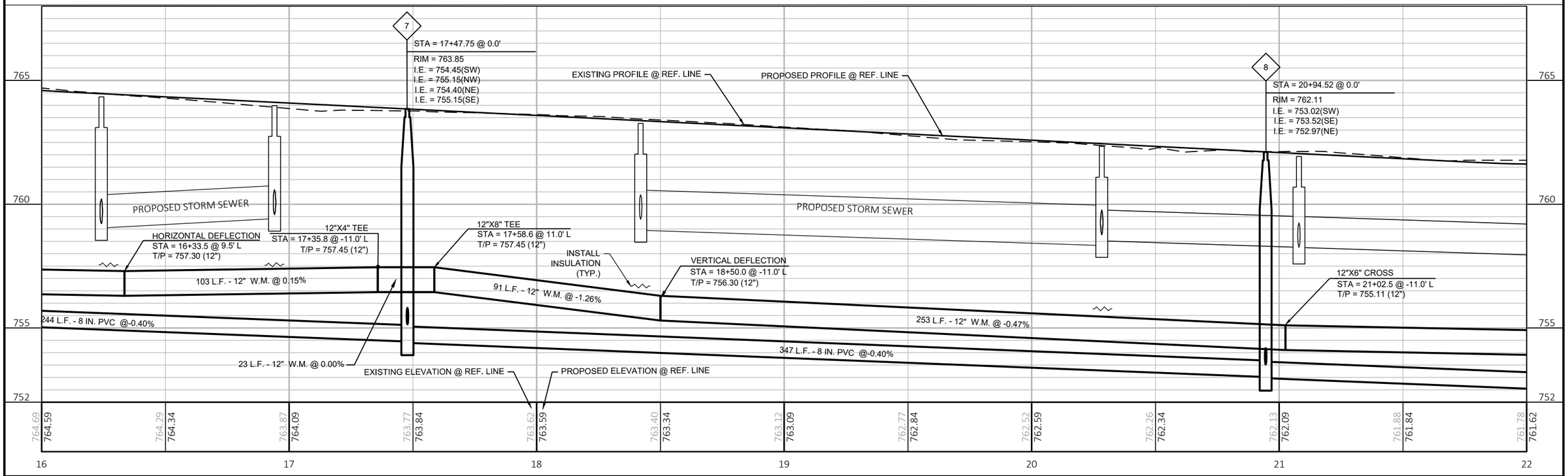
INSTALL NEW 4" WATER SERVICE STUB
42 L.F. - 4" W.M.
4" GATE VALVE & BOX (CLOSED)
STA = 17+36.6 @ 22.0' RT
INSTALL CAP W/BLOCKING ON END OF WATER SERVICE (INCIDENTAL).
CONTRACTOR TO COORDINATE LOCATION OF SERVICE WITH THE CITY (INCIDENTAL).

INSTALL NEW 6" PVC SANITARY LATERAL STUB
31 L.F. - 6" PVC
CAP END OF SANITARY LATERAL (INCIDENTAL).
CONTRACTOR TO COORDINATE LOCATION OF SERVICE WITH THE CITY (INCIDENTAL).

CONTRACTOR TO INVESTIGATE AND FIELD VERIFY THE LOCATION OF ALL ACTIVE SANITARY LATERALS (INC.). CONTRACTOR TO DYE TEST TO DETERMINE WHICH LATERALS ARE ACTIVE (INC.).

NOTE: CONTRACTOR TO VERIFY WATER SERVICE TO 311 S. MILITARY RD. IS SERVICED OFF OF HENNING ST.

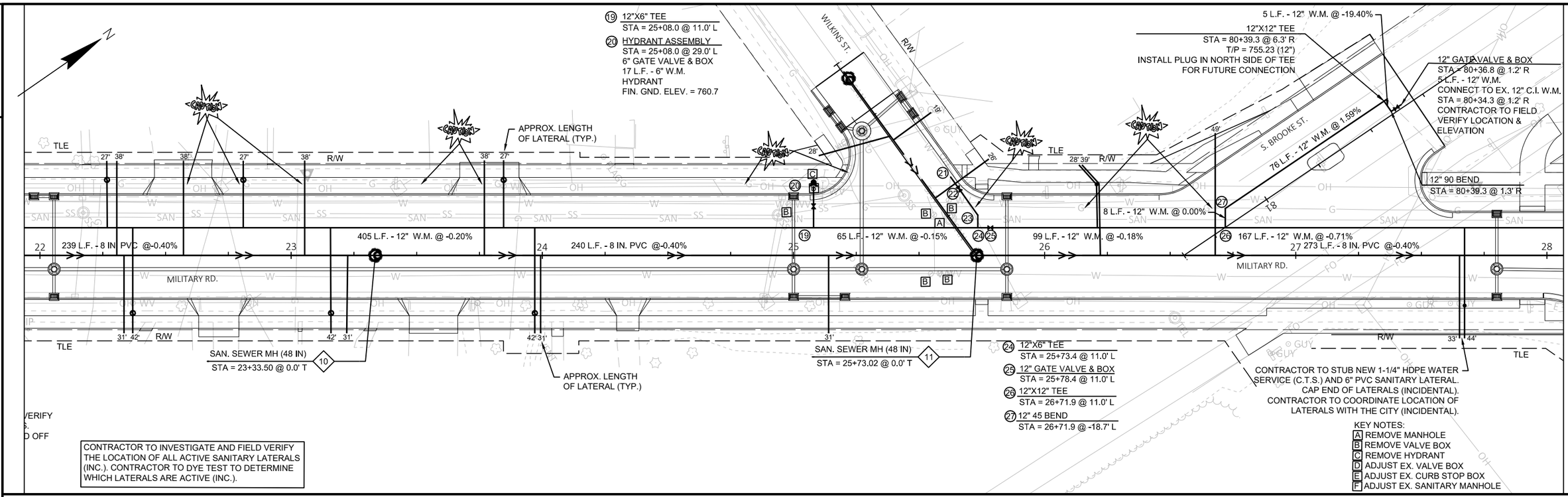
KEY NOTES:
- A REMOVE MANHOLE
- B REMOVE VALVE BOX
- C REMOVE HYDRANT
- D ADJUST EX. VALVE BOX
- E ADJUST EX. CURB STOP BOX
- F ADJUST EX. SANITARY MANHOLE

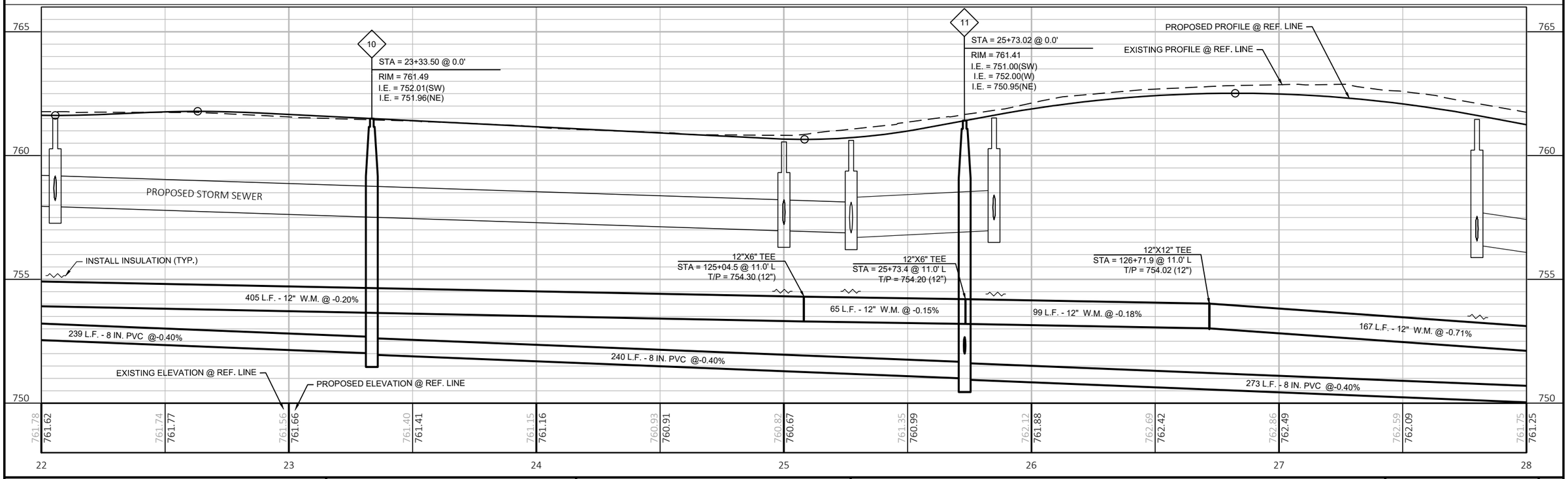


PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	SANITARY SEWER & WATER MAIN PLAN	SHEET 63	E

FILE NAME : G:\01\01878\01878061\CADD\CONSTRUCTION DOCUMENTS\VFG - ALIGNMENT - MILITARY ROAD - (1) - (1)_RECOVER.DWG
LAYOUT NAME - 02
PLOT DATE : 12/16/2021 11:36 AM PLOT BY : XXX PLOT NAME : PLOT SCALE : 1 IN: 40 FT
WISDOT/CADDS SHEET 44

2





PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	SANITARY SEWER & WATER MAIN PLAN	SHEET 64	E

FILE NAME : G:\01\01878\01878061\CADD\CONSTRUCTION DOCUMENTS\VFG - ALIGNMENT - MILITARY ROAD - (1) - (1)_RECOVER.DWG
LAYOUT NAME - 03
PLOT DATE : 10/28/2021 10:40 AM
PLOT BY : XXX
PLOT NAME :
PLOT SCALE : 1 IN: 40 FT
WISDOT/CADDS SHEET 44

KEY NOTES:
A REMOVE MANHOLE
B REMOVE VALVE BOX
C REMOVE HYDRANT
D ADJUST EX. VALVE BOX
E ADJUST EX. CURB STOP BOX
F ADJUST EX. SANITARY MANHOLE

CONTRACTOR TO INVESTIGATE AND FIELD VERIFY THE LOCATION OF ALL ACTIVE SANITARY LATERALS (INC.). CONTRACTOR TO DYE TEST TO DETERMINE WHICH LATERALS ARE ACTIVE (INC.).

HORIZONTAL DEFLECTION
STA = 28+38.6 @ 11.0' L

APPROX. LENGTH OF LATERAL (TYP.)

VERTICAL DEFLECTION
STA = 30+00.2 @ 11.5' L

EX. 1.5" WATER SERVICE

12" GATE VALVE & BOX
STA = 30+44.2 @ 10.8' L

15 L.F. - 12" W.M. @ 0.00%

SAN. SEWER MH (96 IN)
STA = 31+18.45 @ 0.9' RT

35 12" 45 BEND
STA = 31+24.1 @ 9.8' L

36 12"X10" CROSS
STA = 31+28.2 @ 12.6' L

37 12" X 8" REDUCER
STA = 31+30.7 @ 14.3' L

38 8" 45 BEND
STA = 31+37.5 @ 18.9' L

8 L.F. - 8" W.M. @ 3.74%
23 L.F. - 8" W.M. @ 4.92%
VERTICAL DEFLECTION
STA = 31+60.3 @ 19.0' L

46 L.F. - 8" W.M. @ -2.87%
CONNECT TO EX. 8" PVC W.M.
STA = 32+06.4 @ 19.2' L
CONTRACTOR TO FIELD VERIFY LOCATION & ELEVATION

161 L.F. - 12" W.M. @ -1.14%

109 L.F. - 12" W.M. @ -0.55%

25 L.F. - 6" W.M. @ -4.00%

272 L.F. - 8 IN. PVC @-0.40%

3 L.F. - 12" W.M. @ 0.00%

5 L.F. - 12" W.M. @ 2.40%

8" GATE VALVE & BOX
STA = 31+87.8 @ 19.1' L

4 L.F. - 6" W.M. @ 0.00%

5 L.F. - 6" W.M. @ 0.00%

61 L.F. - 27 IN. PVC @-0.13%

16 L.F. - 6" W.M.

9 L.F. - 6" W.M. @ 0.00%

7 L.F. - 6" W.M. @ 22.70%

38 L.F. - 8 IN. PVC @-0.50%

SAN. SEWER MH (48 IN)
STA = 31+56.80 @ 0.9' RT

SAN. SEWER MH (48 IN)
STA = 28+46.51 @ -0.2' LT

39 6" GATE VALVE & BOX
STA = 30+91.5 @ 29.2' R
6" 45 BEND
STA = 30+89.5 @ 30.7' R
T/P = 749.80

41 6" 45 BEND
STA = 30+87.7 @ 47.0' RT
CONNECT TO EX. 6" C.I. W.M.
CONTRACTOR TO FIELD VERIFY LOCATION & ELEVATION.

31 6" 22.5 BEND
STA = 31+02.7 @ 21.5' R
T/P = 751.40 (6")

32 6" 22.5 BEND
STA = 30+96.9 @ 25.5' R
T/P = 749.80 (6")

33 CONNECT TO EX. 27" SAN.
STA = 30+68.1 @ 35.7' R
I.E. = 746.85± (27")
CONTRACTOR TO FIELD VERIFY LOCATION & ELEVATION

29 6" 45 BEND
STA = 31+09.2 @ 15.1' R
T/P = 751.40 (6")

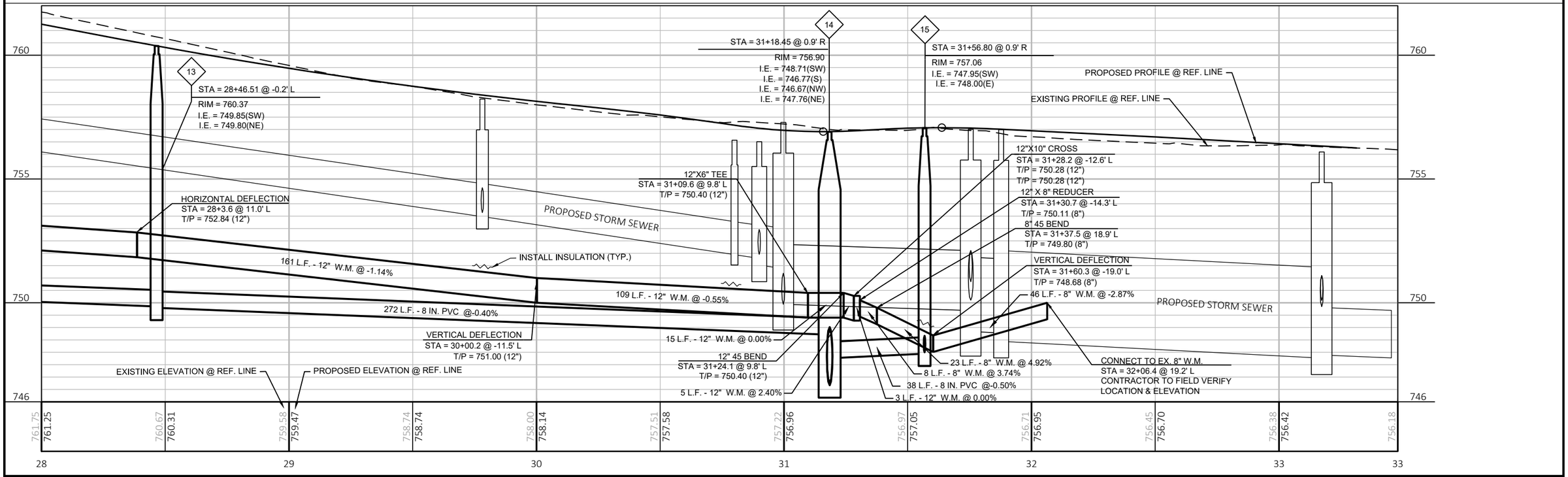
30 6"X6" TEE
STA = 31+06.2 @ 18.1' R
T/P = 751.40 (6")

28 12"X6" TEE
STA = 31+09.6 @ 9.8' L

34 HYDRANT ASSEMBLY
STA = 31+10.4 @ 22.4' R
6" GATE VALVE & BOX
6 L.F. - 6" W.M.
INSTALL INSULATION
HYDRANT
FIN. GND. ELEV. = 757.3

NOTE: CONTRACTOR TO VERIFY WATER SERVICES TO 235, 231 & 225 S. MILITARY RD. ARE SERVICED OFF OF MORRIS ST.

MILITARY RD.
MORRIS ST.
WESTERN AVE.
APPROX. R/W
R/W
TLE



PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	SANITARY SEWER & WATER MAIN PLAN	SHEET 65 E

KEY NOTES:
A REMOVE MANHOLE
B REMOVE VALVE BOX
C REMOVE HYDRANT
D ADJUST EX. VALVE BOX
E ADJUST EX. CURB STOP BOX
F ADJUST EX. SANITARY MANHOLE

CONTRACTOR TO INVESTIGATE AND FIELD VERIFY THE LOCATION OF ALL ACTIVE SANITARY LATERALS (INC.). CONTRACTOR TO DYE TEST TO DETERMINE WHICH LATERALS ARE ACTIVE (INC.).

8" 90 BEND
STA = 100+94.9 @ -12.6' L
T/P = 751.70 (8")

5 L.F. - 8" W.M. @ 0.00%

8" GATE VALVE & BOX
STA = 100+92.4 @ 12.6' L
CONNECT TO EX. 8" C.I. W.M.
STA = 100+89.9 @ 12.6' L
CONTRACTOR TO FIELD VERIFY LOCATION & ELEVATION

SAN. SEWER MH (48 IN) 17
STA = 101+75.45 @ 10.6' RT

SAN. SEWER MH (48 IN) 15
STA = 102+43.17 @ 4.1' RT

12"X10" CROSS
STA = 102+15.9 @ 20.2' R

SAN. SEWER MH (48 IN) 16
STA = 103+93.73 @ 4.3' RT

APPROX. LENGTH OF LATERAL (TYP.)

10" 90 BEND
STA = 104+01.7 @ -13.4' L
T/P = 749.50 (10")

5 L.F. - 10" W.M. @ 0.00%

10" GATE VALVE & BOX
STA = 104+04.2 @ 13.4' L
CONNECT TO EX. 10" C.I. W.M.
STA = 104+06.7 @ 13.4' L
CONTRACTOR TO FIELD VERIFY LOCATION & ELEVATION

33 L.F. - 8" W.M. @ -2.90%

85 L.F. - 27 IN. PVC @-0.16%

121 L.F. - 10" W.M. @ -0.45%

151 L.F. - 8 IN. PVC @-0.50%

10" GATE VALVE & BOX
STA = 102+75 @ 20.2' R

157 L.F. - 10" W.M. @ 0.36%

3 L.F. - 10" W.M. @ 0.00%

10" 45 BEND
STA = 104+01.7 @ -10.6' L
T/P = 749.50 (10")

3 L.F. - 10" W.M. @ -78.55%

CONNECT TO EX. 8" SAN.
STA = 104+06.4 @ 4.3' R
TEMP. DEFLECTION TO CONN. TO EX.
EX. I.E. = 749.00, NEW I.E. = 748.87
CONTRCATOR TO FIELD VERIFY LOCATION & ELEVATION

CONNECT TO EX. 27" SAN.
STA = 100+90.3 @ 10.4' R
CONTRACTOR TO FIELD VERIFY LOCATION & ELEVATION

10"X8" TEE
STA = 100+94.9 @ 20.2' R
INSTALL PLUG IN WEST SIDE OF TEE FOR FUTURE EXTENSION

10" GATE VALVE & BOX
STA = 101+80.3 @ 20.2' R

53 L.F. - 27 IN. PVC @-0.15%

10" 45 BEND
STA = 102+44.3 @ 20.2' R

3 L.F. - 10" W.M. @ 76.67%

10" 45 BEND
STA = 102+41.3 @ 20.2' R

38 L.F. - 8 IN. PVC @-0.50%

25 L.F. - 10" W.M. @ 0.00%

SAN. SEWER MH (96 IN) 14
STA = 102+21.60 @ 35.8' RT

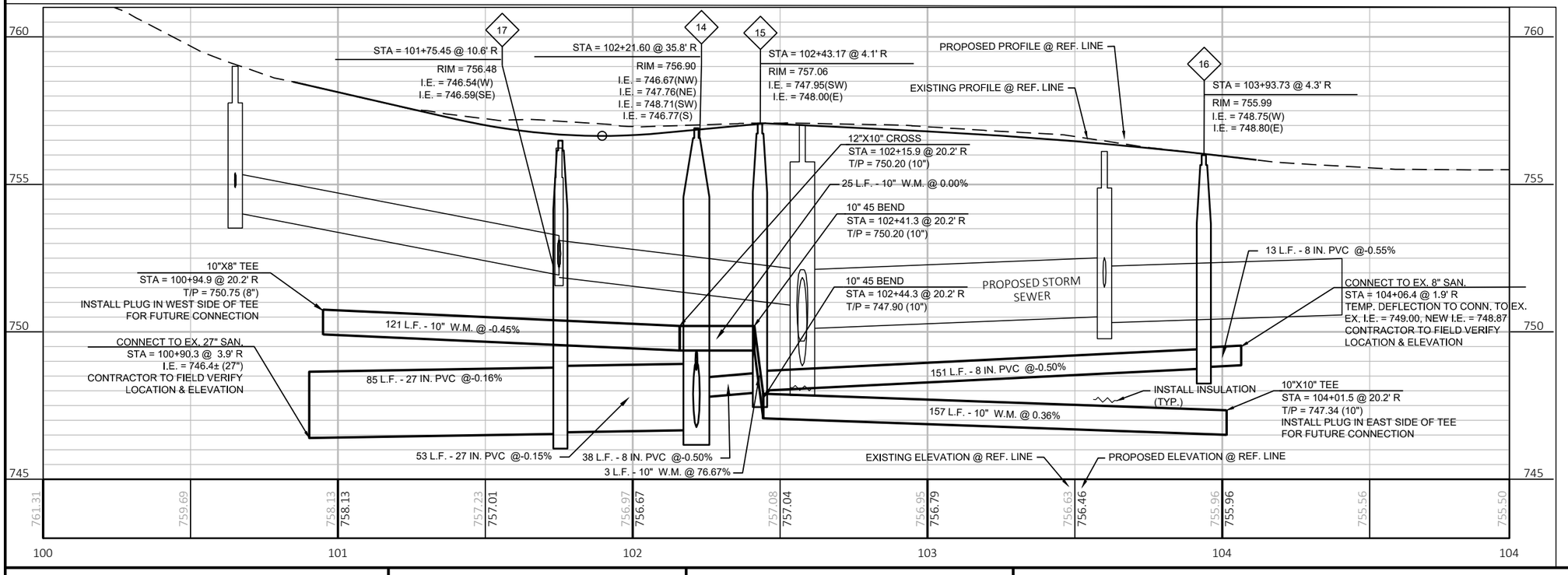
13 L.F. - 8 IN. PVC @-0.55%

10" 45 BEND
STA = 104+01.6 @ -7.8' L
T/P = 747.34 (10")

28 L.F. - 10" W.M. @ 0.00%

10"X10" TEE
STA = 104+01.5 @ 20.2' R
INSTALL PLUG IN EAST SIDE OF TEE FOR FUTURE EXTENSION

MILITARY RD.
WESTERN AVE.
R/W
TLE
101 102 103 104



PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	SANITARY SEWER & WATER MAIN PLAN	SHEET 66	E

FILE NAME : G:\01\01878\01878061\CADD\CONSTRUCTION DOCUMENTS\VFG - ALIGNMENT - WESTERN AVE - (2) - (2).DWG
LAYOUT NAME - 05
PLOT DATE : 10/28/2021 9:59 AM PLOT BY : XXX PLOT NAME : PLOT SCALE : 1 IN: 40 FT

⑦ 8" 45 BEND
STA = 11+73.8 @ 22.3' L
⑧ 8"X6" TEE
STA = 1+96.1 @ 26.0' R
⑨ 6" 22.5 BEND
STA = 1+94.1 @ 22.0' R
⑩ 6"X6" TEE
STA = 1+23.7 @ 8.0' R
INSTALL PLUG IN WEST SIDE OF TEE FOR FUTURE CONNECTION
⑪ 6" 90 BEND
STA = 1+23.7 @ -10.9' L
T/P = 760.20 (6")
⑫ 6" GATE VALVE & BOX
STA = 1+18.8 @ 10.8' L
CONNECT TO EX. 6" C.I. W.M.
STA = 1+16.0 @ 10.8' L
8 L.F. - 6" W.M. (BEND TO CONN.)
CONTRACTOR TO FIELD VERIFY LOCATION & ELEVATION
⑬ 8" GATE VALVE & BOX
STA = 11+78.1 @ 25.3' L
⑭ 8" GATE VALVE & BOX
STA = 2+07.7 @ 17.3' R
CONNECT TO EX. 8" PVC W.M.
STA = 2+12.1 @ 15.1' R
CONTRACTOR TO FIELD VERIFY LOCATION & ELEVATION

SAN. SEWER MH (48 IN) ⑤
STA = 1+15.58 @ -1.1' LT
CONNECT TO EX. 10" SAN.
STA = 1+11.9 @ 1.1' L
4 L.F. - 8" PVC
I.E. - 755.68±
(CITY TO RECONSTRUCT W/8" SAN. IN SEPARATE PROJECT)
CONTRACTOR TO FIELD VERIFY LOCATION & ELEVATION

8 L.F. - 6" W.M. @ -1.29%
CONNECT TO EX. 12" SAN.
STA = 12+10.5 @ 58.7' L
3 L.F. - 12" PVC @-0.60%
I.E. = 755.33±
CONTRACTOR TO FIELD VERIFY LOCATION & ELEVATION

HYDRANT ASSEMBLY
STA = 12+91.0, 56.2' LT
6" GATE VALVE & BOX
29 L.F. - 6" W.M.
HYDRANT
FIN. GND. ELEV. = 765.7
CONNECT TO EX. 6" PVC W.M.
STA = 12+73.7, 80.0' LT
CONTRACTOR TO FIELD VERIFY LOCATION & ELEVATION

19 L.F. - 6" W.M. @ -6.89%
89 L.F. - 8 IN. PVC @-0.30%
81 L.F. - 6" W.M @ -1.03%
5 L.F. - 6" W.M. @ 0.00%
23 L.F. - 8" W.M. @ -3.81%
99 L.F. - 12 IN. PVC @-0.73%
36 L.F. - 8" W.M. @ -0.14%
14 L.F. - 8" W.M. @ 0.00%
12"X8" TEE
STA = 11+73.8 @ 8.5' L

SAN. SEWER MH (48 IN) ④
STA = 1+99.83 @ 12.0' RT
SAN. SEWER MH (48 IN) ③
STA = 11+26.11 @ 0.0' T

CONTRACTOR TO REMOVE & SALVAGE EX. HYDRANT (STA = 12+74.9, 78.4' LT) TO CITY AND CITY STAFF CAN PICK UP EX. HYDRANT FROM SITE (INCIDENTAL).

KEY NOTES:
A REMOVE MANHOLE
B REMOVE VALVE BOX
C REMOVE HYDRANT
D ADJUST EX. VALVE BOX
E ADJUST EX. CURB STOP BOX
F ADJUST EX. SANITARY MANHOLE

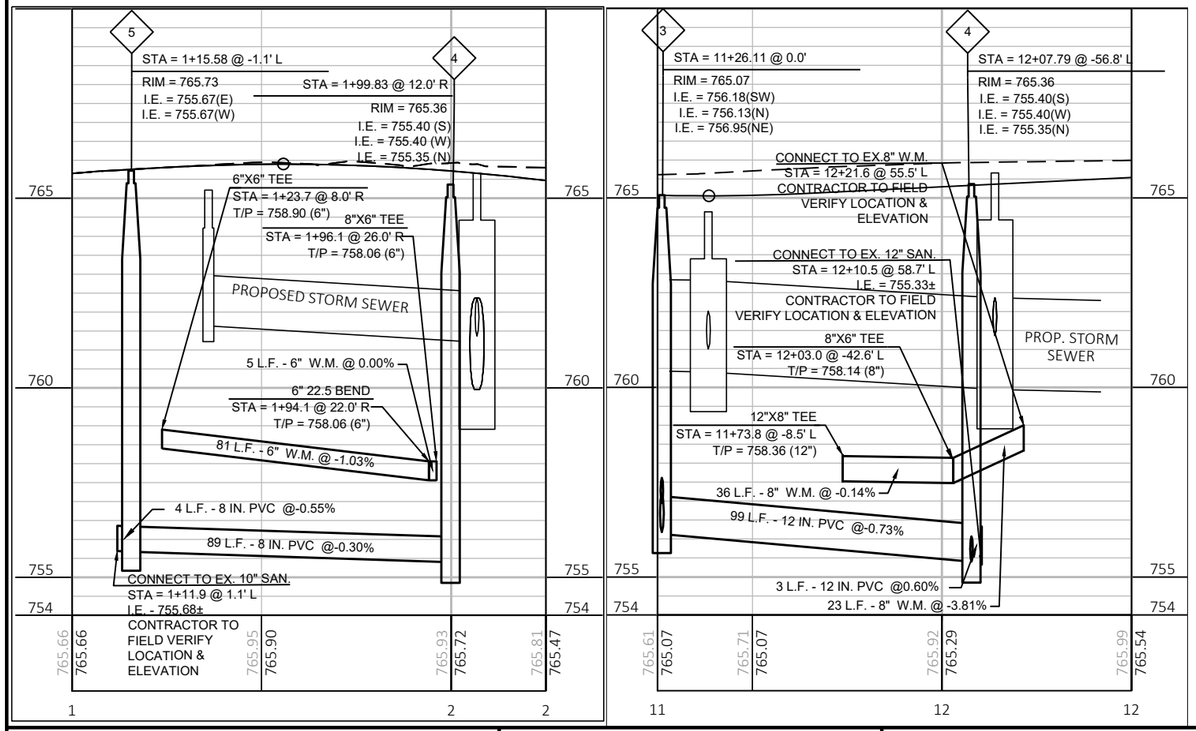
W. 9TH ST.
MILITARY RD.
SUPERIOR ST.
R/W
TLE

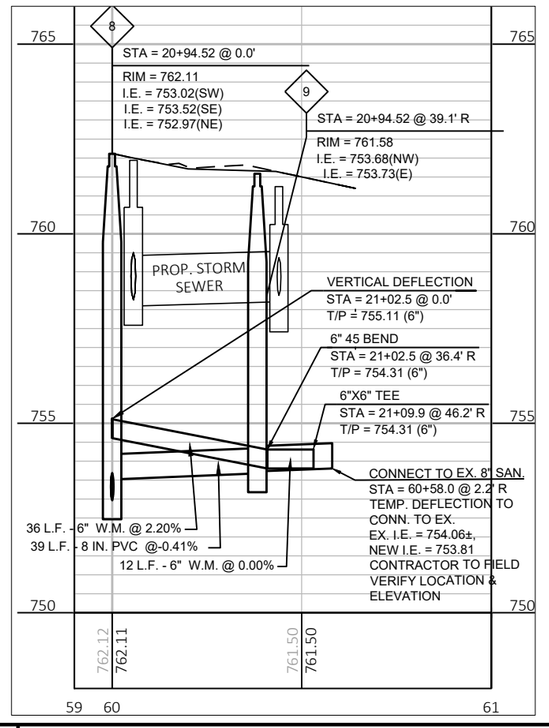
39 L.F. - 8 IN. PVC @-0.41%
VERTICAL DEFLECTION
STA = 21+02.5 @ 0.0'
11 L.F. - 6" W.M. @ 0.00%
12"X6" CROSS
STA = 21+02.5 @ 11.0' L
36 L.F. - 6" W.M. @ 2.20%
6" 45 BEND
STA = 21+02.5 @ 36.4' R
6" 90 BEND
STA = 21+13.4 @ 43.6' R
T/P = 756.20 (6")
5 L.F. - 6" W.M. @ 0.00%
INSTALL INSULATION
6" GATE VALVE & BOX
STA = 60+56.1 @ 10.1' L
CONN. TO EX. 6" C.I. W.M.
STA = 60+58.1 @ 10.1' L
CONTRACTOR TO FIELD VERIFY LOCATION & ELEVATION
4 L.F. - 6" W.M. @ -43.40%
INSTALL INSULATION (SEE DETAIL)
CONNECT TO EX. 8" SAN.
STA = 60+58.0 @ 2.2' R
TEMP. DEFLECTION TO CONN. TO EX.
EX. I.E. = 754.06±,
NEW I.E. = 753.81
CONTRACTOR TO FIELD VERIFY LOCATION & ELEVATION
6"X6" TEE
STA = 21+09.9 @ 46.2' R
INSTALL PLUG IN EAST SIDE OF TEE FOR FUTURE CONNECTION
20 L.F. - 8 IN. PVC @-0.41%
12 L.F. - 6" W.M. @ 0.00%
SAN. SEWER MH (48 IN) ⑧
STA = 20+94.52 @ 0.0' T
SAN. SEWER MH (48 IN) ⑨
STA = 20+94.52 @ 39.1' RT

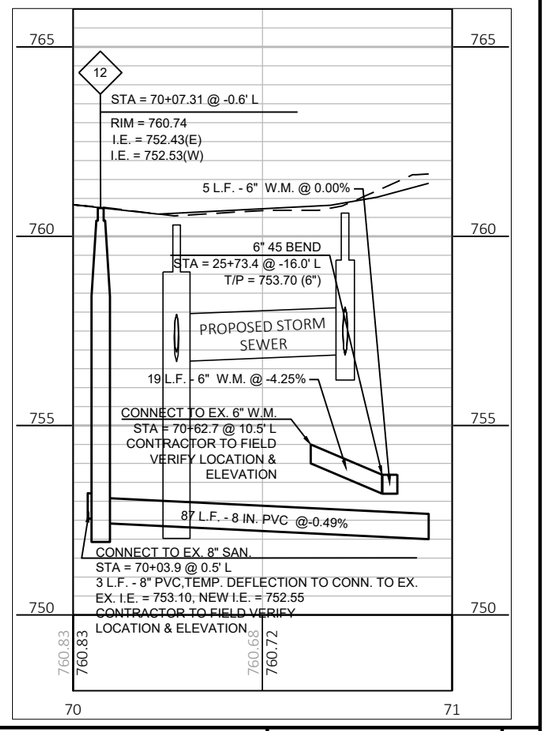
HENNING ST.
MILITARY RD.
TLE
R/W

CONNECT TO EX. 8" SAN.
STA = 70+03.9 @ 0.6' L
3 L.F. - 8" PVC
TEMP. DEFLECTION TO CONN. TO EX.
EX. I.E. = 753.10, NEW I.E. = 752.55
CONTRACTOR TO FIELD VERIFY LOCATION & ELEVATION
SAN. SEWER MH (48 IN) ⑫
STA = 70+07.31 @ -0.6' LT
SAN. SEWER MH (48 IN) ⑪
STA = 25+73.02 @ 0.0' T
5 L.F. - 6" W.M. @ 0.00%
19 L.F. - 6" W.M. @ -4.25%
87 L.F. - 8 IN. PVC @-0.49%
CONTRACTOR TO INVESTIGATE AND FIELD VERIFY THE LOCATION OF ALL ACTIVE SANITARY LATERALS (INC.). CONTRACTOR TO DYE TEST TO DETERMINE WHICH LATERALS ARE ACTIVE (INC.).
⑳ CONN. TO EX. 6" PVC W.M.
STA = 70+62.7 @ 10.5' L
CONTRACTOR TO FIELD VERIFY LOCATION & ELEVATION
㉒ 6" GATE VALVE & BOX
STA = 70+68.7 @ 10.4' L
㉓ 6" 45 BEND
STA = 25+73.4 @ 16.0' L
㉔ 12"X6" TEE
STA = 25+73.4 @ 11.0' L

WILKINS ST.
MILITARY RD.
R/W
TLE
19'
26'







PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	SANITARY SEWER & WATER MAIN PLAN	SHEET 67	E

2

N

DEAD END
REMOVE
R1-03

STOP
REMOVE
R1-05

REMOVE
R1-04

HSE

POST

1W9

W 9TH ST. (WEST)

SUPERIOR ST.

2W9

21S

20S

REMOVE
R1-08

REMOVE
R1-12

REMOVE
R1-15

DO NOT BLOCK INTERSECTION
REMOVE
R1-17

GRGE

STOP
REMOVE
R1-02

R R
REMOVE
R1-01

STOP
REMOVE
R1-06

M1-02

SALVAGE & REINSTALL
FLASHING LIGHT

MILITARY ROAD

MATCH LINE STA 16+00

11 12 13 14 15

BEGIN PROJECT
STA 10+57.67

M1-01

SALVAGE & REINSTALL
FLASHING LIGHT

DO NOT BLOCK INTERSECTION
REMOVE
NO PARKING
REMOVE
R1-07

WALKER ST.

STOP
REMOVE
R1-09

ONLY ONLY
REMOVE
NO PARKING IN THIS BLOCK
REMOVE
R1-10

REMOVE
REMOVE
R1-11

BLDG

FLAG
SIGN

NO PARKING IN THIS BLOCK
REMOVE
R1-13

W 9TH ST (EAST)

NO PARKING
REMOVE
R1-18

REMOVE
REMOVE
R1-16

REMOVE

REMOVE
REMOVE
R1-14

BLDG

ONLY ONLY
REMOVE
NO PARKING HERE TO CORNER
REMOVE
R1-19

REMOVE
AHEAD
REMOVE
R1-20

LIBERTY ST.

EXISTING SIGN TO REMAIN

REMOVE
R1-21

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING LIGHT OR SIGNAL POLE
- XXX DENOTES SIGN NUMBER

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	EXISTING SIGNING	SHEET 68	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023201-ps

PLOT DATE : 10/28/2021 10:01 AM PLOT BY : BRAD LEE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING LIGHT OR SIGNAL POLE

XXX DENOTES SIGN NUMBER

MATCH LINE STA 16+00

MATCH LINE STA 22+00

MILITARY ROAD

GROVE ST.

HENNING ST.

BLDG

HSE

GRGE

SCHOOL SPEED LIMIT 15 CHILDREN ARE PRESENT
REMOVE
R2-01

ONLY ONLY
REMOVE

NO PARKING THIS SIDE
REMOVE
R2-02

STOP
REMOVE
R2-03

2 HR PARKING 7:00 AM TO 6:00 PM EXCEPT SUNDAY
REMOVE
R2-07

REMOVE

AHEAD
REMOVE
R2-08

2 HR PARKING 7:00 AM TO 6:00 PM EXCEPT SUNDAY
REMOVE
R2-13

SPEED LIMIT 25
REMOVE
R2-04

NO PARKING CORNER TO HERE
REMOVE
R2-05

M2-01
REMOVE & SALVAGE EXISTING CITY BUS SIGN

2 HR PARKING 7:00 AM TO 6:00 PM EXCEPT SUNDAY
REMOVE
R2-06

2 HR PARKING 7:00 AM TO 6:00 PM EXCEPT SUNDAY
REMOVE
R2-09

DEAD END
REMOVE
R2-10

STOP
REMOVE
R2-11

2 HR PARKING 7:00 AM TO 10:00 PM EXCEPT SUNDAY
REMOVE
R2-12

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	EXISTING SIGNING	SHEET 69	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023202-ps

PLOT DATE : 10/26/2021 5:25 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING LIGHT OR SIGNAL POLE

XXX DENOTES SIGN NUMBER

N

MATCH LINE STA 22+00

MATCH LINE STA 28+00

HSE

HSE

BLDG

REMOVE R3-01

STOP REMOVE R3-04

WILKINS ST.

EXISTING SIGN TO REMAIN

EXISTING SIGN TO BE REMOVED BY OTHERS

REMOVE R3-05

HSE

STOP REMOVE R3-07

STOP REMOVE R3-08

REMOVE R3-09

S BROOKE ST.

STOP REMOVE R3-11

FLAG

MILITARY ROAD

22 23 24 25 26 27

S BORE

8"G

HSE

M3-01

EPISCOPAL CHURCH SIGN TO BE REMOVED BY OTHERS

HSE

REMOVE R3-02

HSE

REMOVE R3-03

REMOVE R3-06

M3-02

REMOVE & SALVAGE EXISTING CITY BUS SIGN

BROOKE STREET TRAIL

STOP REMOVE R3-10

BLDG

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	EXISTING SIGNING	SHEET 70	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023203-ps

PLOT DATE : 10/26/2021 5:25 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING LIGHT OR SIGNAL POLE

XXX DENOTES SIGN NUMBER

N

EXISTING SIGN TO REMAIN

WESTERN AVE.

101W

102W

103W

104W

REMOVE R4-10

REMOVE R4-08

REMOVE R4-04

REMOVE R4-05

REMOVE R4-09

REMOVE R4-14

REMOVE R4-18

END PROJECT
STA 33+31.48

MILITARY ROAD

MATCH LINE STA 28+00

MORRIS ST.

REMOVE R4-01

REMOVE R4-02

REMOVE R4-03

REMOVE R4-06

REMOVE R4-07

M4-01
EXISTING CITY SIGN TO BE MOVED BY OTHERS

REMOVE R4-11

REMOVE R4-12

REMOVE R4-13

REMOVE R4-15

REMOVE R4-16

REMOVE R4-17

REMOVE R4-19

REMOVE R4-20

REMOVE R4-21

EXISTING SIGN TO REMAIN

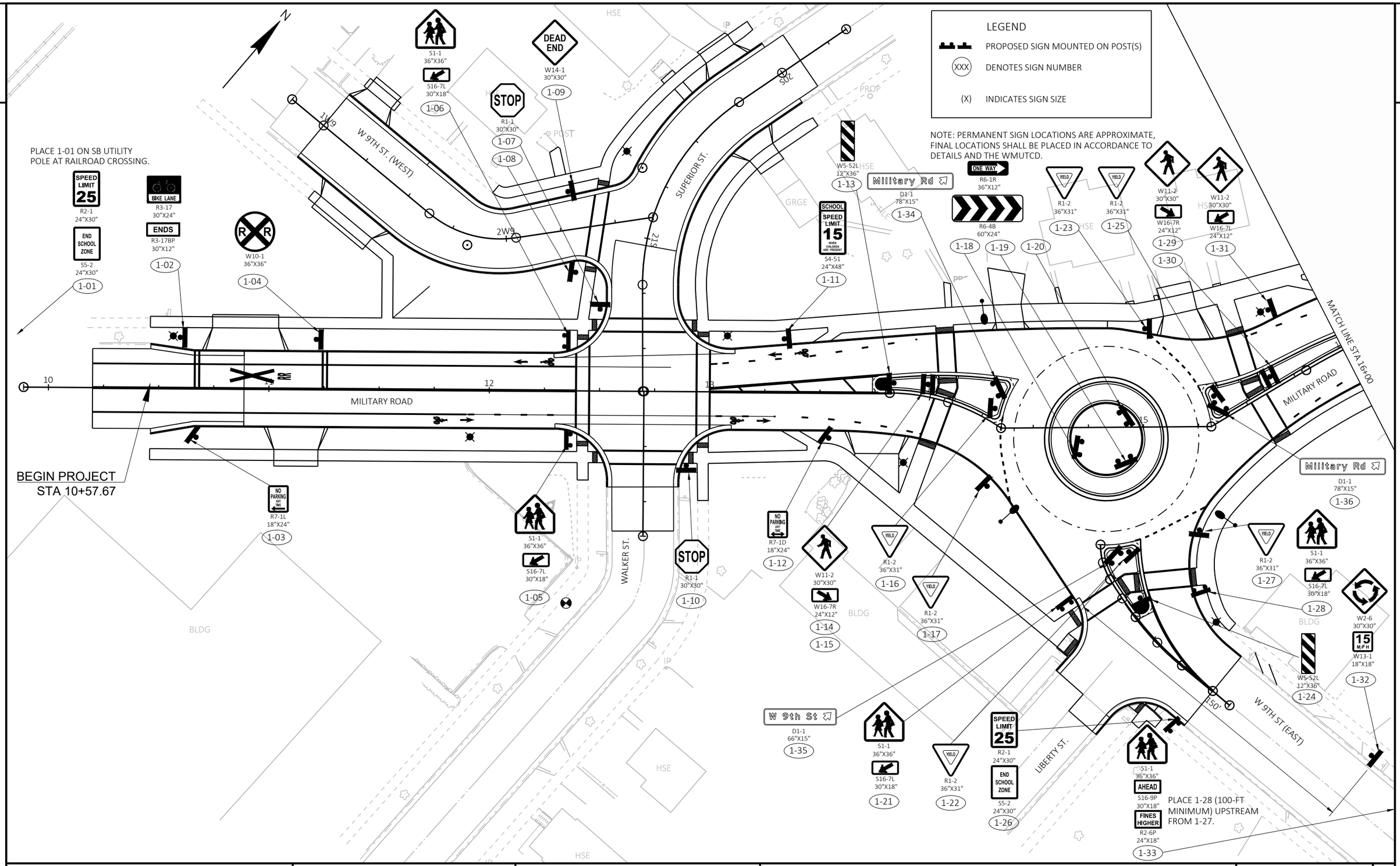
PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	EXISTING SIGNING	SHEET 71	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023204-ps

PLOT DATE : 10/26/2021 5:25 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	PERMANENT SIGNING	SHEET 72	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\023205-PS.DWG
LAYOUT NAME - 01
PLOT DATE : 10/27/2021 9:58 AM
PLOT BY : CONNOR GIRTEN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

PROPOSED SIGN MOUNTED ON POST(S)

XXX DENOTES SIGN NUMBER

(X) INDICATES SIGN SIZE

NOTE: PERMANENT SIGN LOCATIONS ARE APPROXIMATE, FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE WMUTCD.

N

S1-1
36"X36"

AHEAD
S16-9P
30"X18"

FINES HIGHER
R2-6P
24"X18"

2-03

R4-7
24"X30"

2-01

STOP
R1-1
30"X30"

2-04

BLDG

BLDG

HSE

HSE

HSE

HSE

HSE

HSE

IP

IP

IP

PROP

MATCH LINE STA 16+00

17

18

19

20

21

MATCH LINE STA 22+00

SPEED LIMIT 25
R2-1
24"X30"

END SCHOOL ZONE
S5-2
24"X30"

2-02

NO PARKING ANY TIME
R7-1D
18"X24"

2-05

NO PARKING ANY TIME
R7-1D
18"X24"

2-06

HSE

DEAD END
W14-1
30"X30"

2-07

STOP
R1-1
30"X30"

2-08

HSE

HSE

GRGE

NO PARKING ANY TIME
R7-1D
18"X24"

2-09

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	PERMANENT SIGNING	SHEET 73	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\023205-PS.DWG
LAYOUT NAME - 02

PLOT DATE : 10/27/2021 9:58 AM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

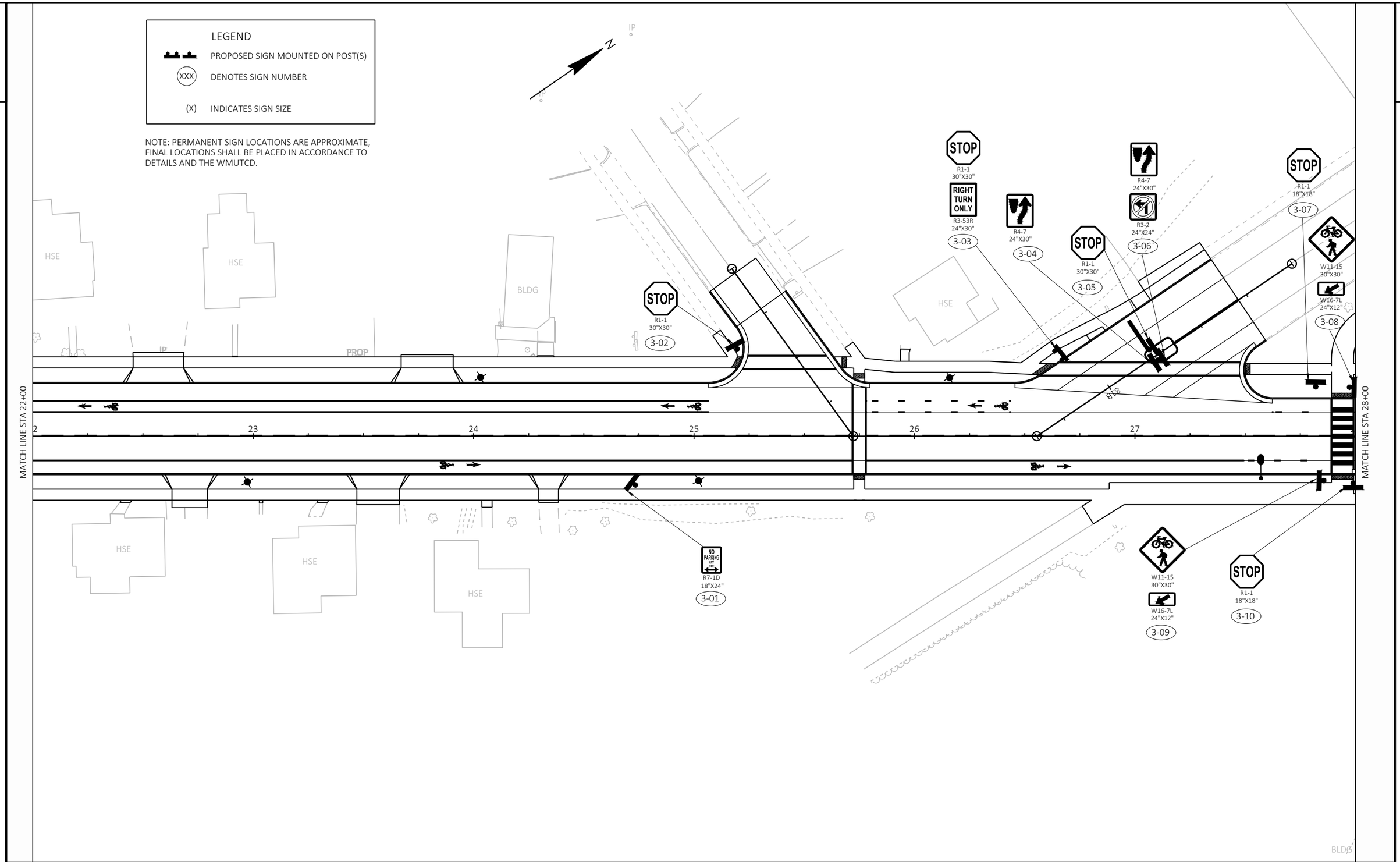
LEGEND

PROPOSED SIGN MOUNTED ON POST(S)

XXX DENOTES SIGN NUMBER

(X) INDICATES SIGN SIZE

NOTE: PERMANENT SIGN LOCATIONS ARE APPROXIMATE, FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE WMUTCD.



PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	PERMANENT SIGNING	SHEET 74	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\023205-PS.DWG
LAYOUT NAME - 03

PLOT DATE : 10/27/2021 9:59 AM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

PROPOSED SIGN MOUNTED ON POST(S)

XXX DENOTES SIGN NUMBER

(X) INDICATES SIGN SIZE

NOTE: PERMANENT SIGN LOCATIONS ARE APPROXIMATE, FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE WMUTCD.

MATCH LINE STA 28+00

SIGN MUST BE MOUNTED WITH 8-FT VERTICAL CLEARANCE TO SIDEWALK

END PROJECT STA 33+31.48

4-16 TO BE MOUNTED ON STREETLIGHT POLE.

4-01	R7-53L 18"X24"	4-10	R1-1F 36"X36"	
4-02	R1-1 30"X30"	4-11	R7-5D 18"X24"	
4-03	R3-8LF 36"X30"	4-12	R1-1F 36"X36"	
4-04	R7-1D 18"X24"	4-13	R5-1 30"X30"	
4-05	R3-8LF 36"X30"	4-14	W12-1D 24"X24"	
4-06	R1-1F 36"X36"	4-15	R1-2 36"X31"	
4-07	W11-1 30"X30"	4-16	R1-2 36"X31"	
4-08	R1-1F 36"X36"	4-17	R5-1 30"X30"	
4-09	R7-51R 18"X24"	4-18	R7-1L 18"X24"	
		4-19	R3-17BP 30"X12"	

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	PERMANENT SIGNING	SHEET 75	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\023205-PS.DWG
LAYOUT NAME - 04

PLOT DATE : 10/27/2021 9:59 AM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

LIGHTING PLAN NOTES AND LEGEND

PLAN NOTES

1. REMOVE EXISTING DECORATIVE LIGHT POLE ASSEMBLY AND TURN OVER TO THE CITY. REMOVE/MODIFY EXISTING LIGHTING CIRCUIT TO PROVIDE NEW CONDUIT AND CONDUCTORS REPLACED IN-KIND (BASED ON 2" PVC CONDUIT AND #6 AWG COPPER CONDUCTORS) TO ACCOMMODATE CONNECTING NEW ADJACENT LIGHT INTO EXISTING LIGHTING CIRCUIT LOOP. REFERENCE NOTE 4.
2. COORDINATE DISCONNECTION OF SIGNAL CABINET FEED BY SIGNAL CONTRACTOR AND UTILITY COMPANY TO ENSURE IT DOES NOT INTERFERE WITH EXISTING LIGHTING FEEDS. CONTRACTOR SHOULD ALSO COORDINATE AND OBTAIN A NEW METERED UTILITY SERVICE DROP AND FEED TO NEW LIGHTING CONTROL CABINET LC1.
3. CAPPED CONDUIT
4. MODIFY/EXTEND EXISTING LIGHTING CIRCUIT CONDUIT AND CONDUCTORS AS REQUIRED TO CONNECT NEW SUPERIOR STREET DECORATIVE LIGHT POLE INTO EXISTING CITY SYSTEM. PROVIDE NEW CONDUCTORS FROM PREVIOUS POLES SO THAT ALL SPLICING IS ABOVE GRADE IN POLE BASES. COORDINATE WITH CITY AND CITY ELECTRICIANS.
5. REMOVE HAND VAULT RELATED TO FIBER OPTIC PATH. REFERENCE NEW FIBER OPTIC BOX TO THE WEST WITH ASSOCIATED ENTIRE NEW FIBER OPTIC CONDUIT PATH AND BOXES AND PROVIDE AS INDICATED. COORDINATE ALL WORK WITH THE CITY. CITY SHALL BE RESPONSIBLE FOR ANY FIBER OPTIC CABLE WORK REQUIRED.
6. DEMO EXISTING FLASHER POLES AND RELATED SERVICE/CONTROL SOURCE AND DISPOSE OF OFFSITE.
7. CUT OUT SLOTS IN SIDEWALL OF FIBER OPTIC BOX TO ALLOW INSTALLATION "OVER" EXISTING FIBER OPTIC RUNNING ALONG BROOKE STREET AND ALSO ALONG WESTERN AVENUE. COORDINATE WITH CITY TO ENSURE EXISTING FIBER OPTIC DOES NOT GET DAMAGED. PROVIDE BOX DEPTH AS REQUIRED TO REACH EXISTING FIBER OPTIC.
8. COORDINATE TERMINATION TO SIGNAL CABINET WITH CITY AND SIGNAL CONTRACTOR. THIS CONDUIT ROUTE IS FOR CITY USE IN FUTURE FOR SIGNAL "INTERCONNECT".
9. REMOVE CONDUCTORS OF EXISTING CITY LIGHTING CIRCUIT BETWEEN SERVICE OF NOTE 12 AND EXISTING LIGHT POLE SHOWN AT NOTE 11 (APPROX. LOCATION). INTERCEPT CONDUIT BEFORE SIGNAL BOX AND EXTEND INTO NEW PULL BOX ADJACENT TO NOTE 10. PROVIDE NEW CIRCUIT CONDUCTORS AS LISTED IN "TAG" #2 BETWEEN EXISTING SERVICE OF NOTE 12 AND EXISTING LIGHT POLE OF NOTE 11. RECONNECT EXISTING LIGHTING CIRCUIT.
10. INTERCEPT CONDUIT FEEDING SIGNAL CABINET FROM SERVICE OF NOTE 12. REMOVE EXISTING FEEDER CONDUCTORS BETWEEN SERVICE AND SIGNAL CABINET AND REPLACE "IN-KIND" WITH NEW ID (3) #3 WITH 1 #8 GND AND RECONNECT SIGNAL CABINET.
11. APPROXIMATE EXISTING LOCATION OF CITY LIGHT POLE.
12. APPROXIMATE LOCATION OF EXISTING CITY ELECTRIC SERVICE (TO REMAIN IN SERVICE).
13. CONNECT NEW CONDUIT INTO EXISTING CITY LIGHTING CONDUIT SYSTEM, COORDINATE WITH CITY.
14. REFERENCE CITY SPEC. FOR POLE ASSEMBLY OSL DIRECT BURY WIRING, CONNECTIONS AND CONDUIT STOP AND START LOCATIONS ADJACENT TO ORNAMENTAL STREET LIGHTS.
15. PROVIDE SHORT 2" CONDUIT STUB IN PULL BOX TO ALLOW DIRECT BURIED WIRES FOR ORNAMENTAL STREET LIGHTS TO PASS OUT AND BACK BETWEEN LIGHT POLE AND PULL BOX.

GENERAL NOTES

- CIRCUIT #1 AND #3 SHALL BE USED FOR ALTERNATING CIRCUIT CONNECTIONS PER SPECIFICATIONS FOR WEST SIDE OF MILITARY ROAD.
- CIRCUIT #2 AND #4 SHALL BE USED FOR ALTERNATING CIRCUIT CONNECTIONS PER SPECIFICATIONS FOR EAST SIDE OF MILITARY ROAD.
- CONDUIT ROUTING, PULL BOXES, AND FIBER OPTIC ACCESS BOXES LOCATIONS ARE DIAGRAMMATIC. COORDINATE ACTUAL FIELD ROUTING AND LOCATIONS WITH CITY AND RESIDENT ENGINEER PRIOR TO INSTALLATION WITHIN THE PROJECT LIMITS IN COORDINATION WITH THE ROADWAY IMPROVEMENT PROJECT.
- ALL DIRECT BURY WIRES PER CITY SPEC. DETAIL FOR OSL LOCATIONS ONLY

LEGEND

POLE ASSEMBLY TYPE W = COBRA HEAD STREET LIGHTS PER CITY SPECS.
POLES TYPE 5-ALUMINUM WITH LUMINAIRE ARMS SINGLE MEMBER 4 1/2-INCH CLAMP 6-FT CONCRETE BASE TYPE 5, TRANSFORMER BASE COBRA HEAD STREET LIGHT, LED LAMP TYPE W

POLE ASSEMBLY TYPE OSL = ORNAMENTAL STREET LIGHT PER CITY SPECS. UTILITY POSTOP LED LUMINAIRE, LED PERFORMANCE PACKAGE P20, 3000K CCT, GLASS REFRACTOR TYPE 3, BALL FINIAL & BLACK FINISH, NEMA TWISTLOCK PHOTOCONTROL, HOUSE SIDE SHIELD

LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE

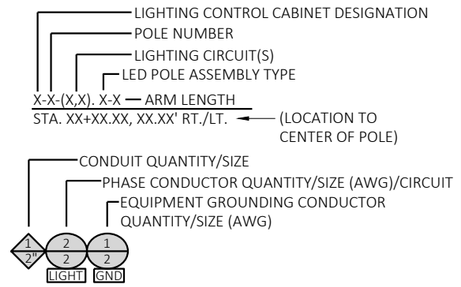
CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (SCHEDULE 80 BELOW ROADWAY)

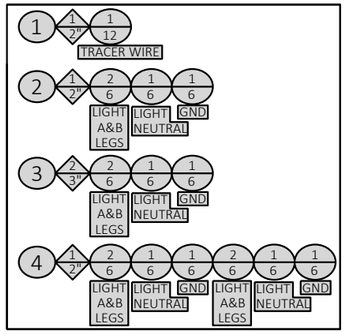
CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (SCHEDULE 80 BELOW ROADWAY). FOR FUTURE FIBER OPTIC CABLE.

CAPPED CONDUIT

PULL BOXES NON-CONDUCTIVE 24X42-INCH

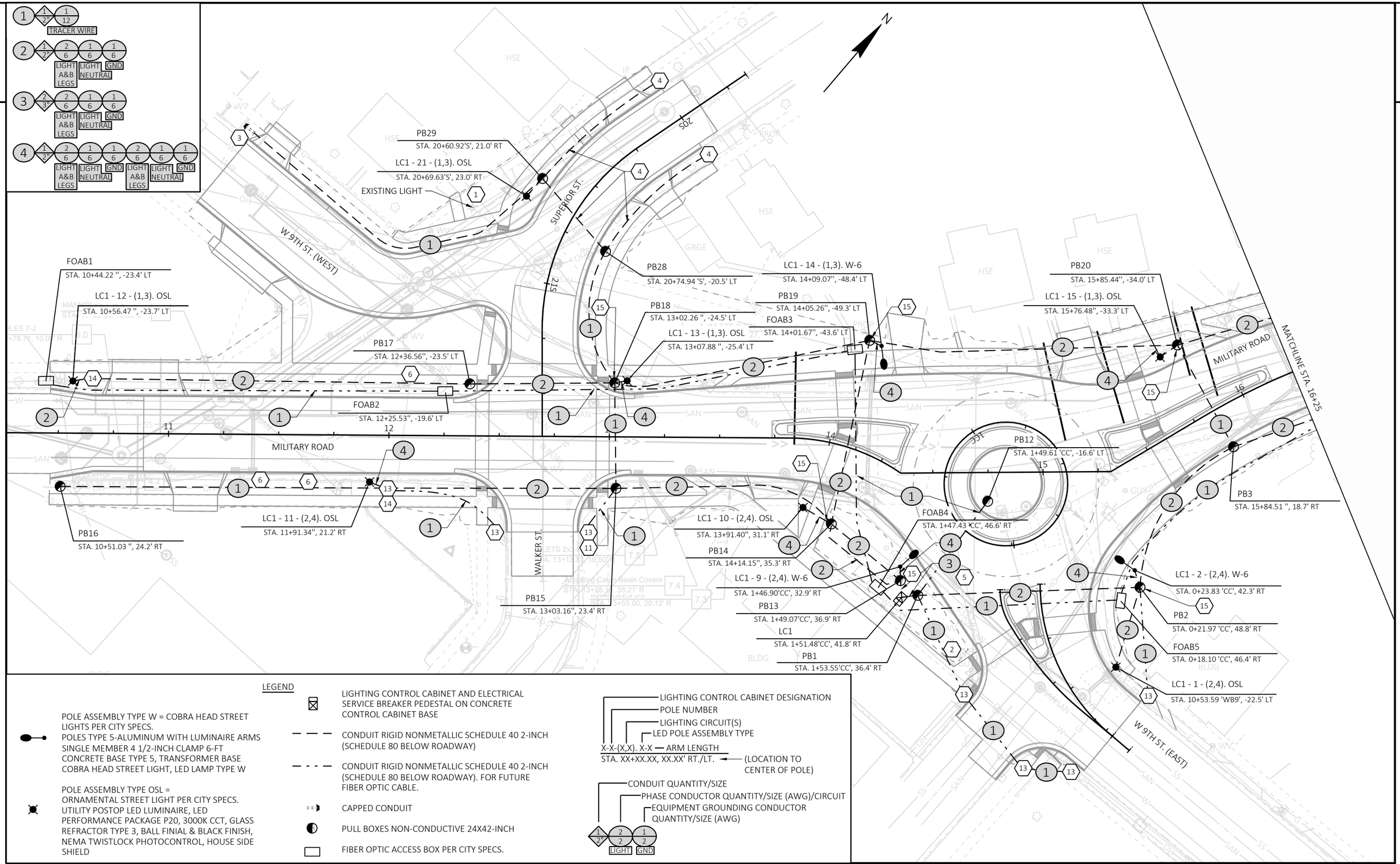
FIBER OPTIC ACCESS BOX PER CITY SPECS.





PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	LIGHTING PLAN	SHEET 76	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - 023601-lp
PLOT DATE : 10/26/2021 4:44 PM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42



LEGEND

- POLE ASSEMBLY TYPE W = COBRA HEAD STREET LIGHTS PER CITY SPECS. POLES TYPE 5-ALUMINUM WITH LUMINAIRE ARMS SINGLE MEMBER 4 1/2-INCH CLAMP 6-FT CONCRETE BASE TYPE 5, TRANSFORMER BASE COBRA HEAD STREET LIGHT, LED LAMP TYPE W
- POLE ASSEMBLY TYPE OSL = ORNAMENTAL STREET LIGHT PER CITY SPECS. UTILITY POSTOP LED LUMINAIRE, LED PERFORMANCE PACKAGE P20, 3000K CCT, GLASS REFRACTOR TYPE 3, BALL FINIAL & BLACK FINISH, NEMA TWISTLOCK PHOTOCONTROL, HOUSE SIDE SHIELD
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (SCHEDULE 80 BELOW ROADWAY)
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (SCHEDULE 80 BELOW ROADWAY). FOR FUTURE FIBER OPTIC CABLE.
- CAPPED CONDUIT
- PULL BOXES NON-CONDUCTIVE 24X42-INCH
- FIBER OPTIC ACCESS BOX PER CITY SPECS.

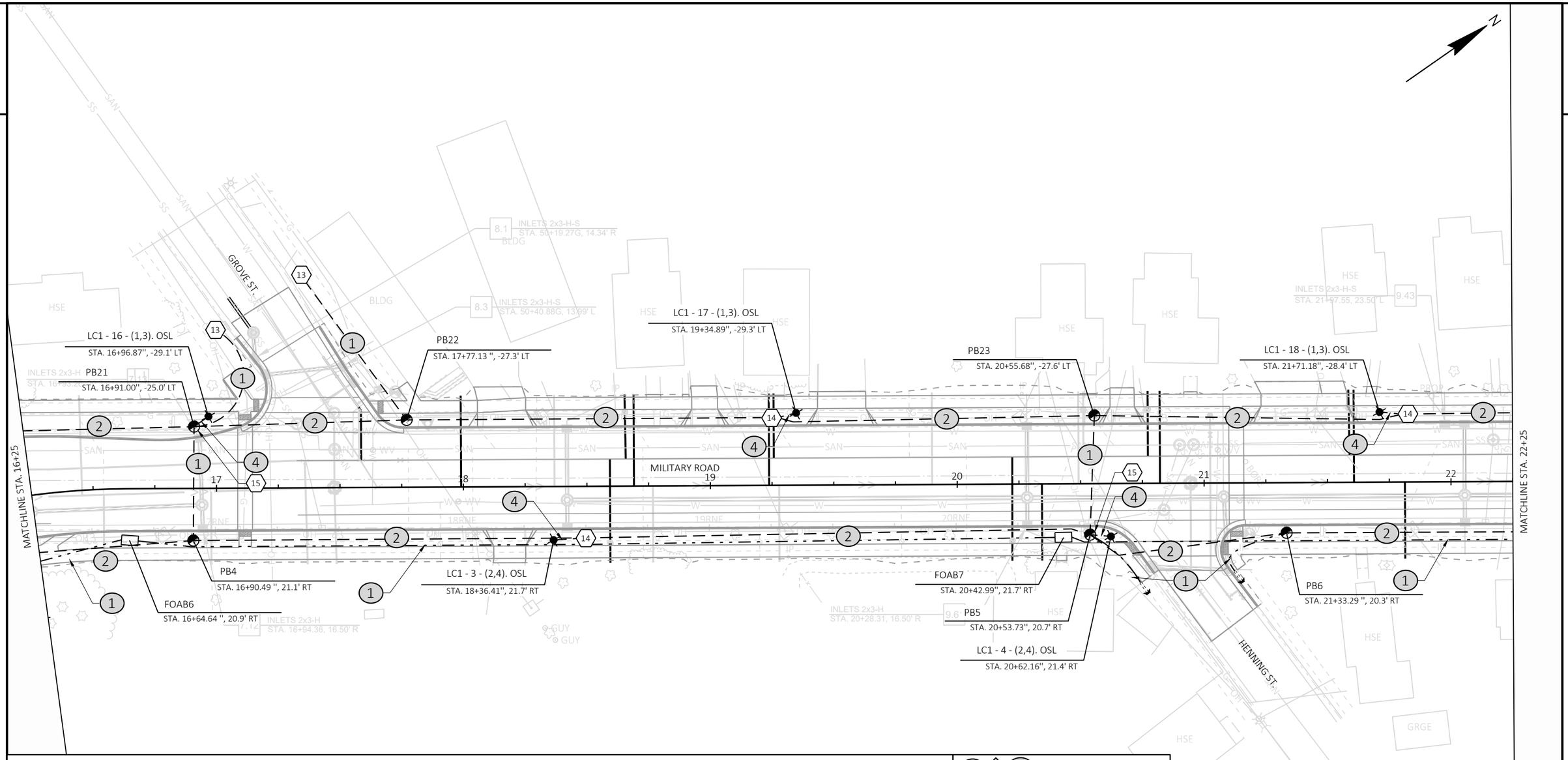
PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	LIGHTING PLAN	SHEET 77	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - 023602-lp

PLOT DATE : 10/26/2021 4:44 PM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



LEGEND

POLE ASSEMBLY TYPE W = COBRA HEAD STREET LIGHTS PER CITY SPECS.
POLES TYPE 5-ALUMINUM WITH LUMINAIRE ARMS SINGLE MEMBER 4 1/2-INCH CLAMP 6-FT CONCRETE BASE TYPE 5, TRANSFORMER BASE COBRA HEAD STREET LIGHT, LED LAMP TYPE W

POLE ASSEMBLY TYPE OSL = ORNAMENTAL STREET LIGHT PER CITY SPECS. UTILITY POSTOP LED LUMINAIRE, LED PERFORMANCE PACKAGE P20, 3000K CCT, GLASS REFRACTOR TYPE 3, BALL FINIAL & BLACK FINISH, NEMA TWISTLOCK PHOTOCONTROL, HOUSE SIDE SHIELD

LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE

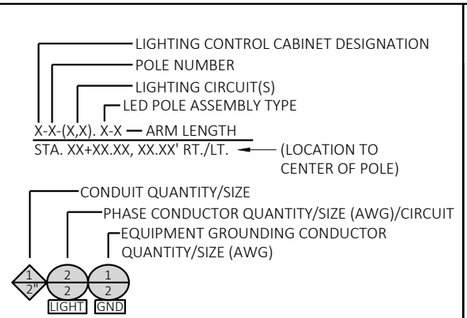
CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (SCHEDULE 80 BELOW ROADWAY)

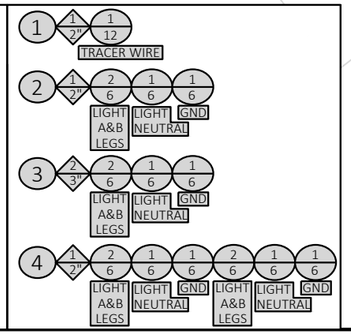
CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (SCHEDULE 80 BELOW ROADWAY). FOR FUTURE FIBER OPTIC CABLE.

CAPPED CONDUIT

PULL BOXES NON-CONDUCTIVE 24X42-INCH

FIBER OPTIC ACCESS BOX PER CITY SPECS.





PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	LIGHTING PLAN	SHEET 78	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - 023603-lp
PLOT DATE : 10/26/2021 4:45 PM
PLOT BY : NATHAN COOK
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

MATCHLINE STA. 22+25

MATCHLINE STA. 28+25

PB24
STA. 22+85.17'', -28.3' LT

LC1 - 19 - (1,3). OSL
STA. 24+03.14'', -26.7' LT

PB25
STA. 24+92.89'', -27.9' LT

LC1 - 20 - (1,3). OSL
STA. 26+15.92'', -26.5' LT

PB26
STA. 26+08.57'', -26.9' LT

PB27
STA. 27+58.16 '', -23.4' LT

WILKINS ST.

S. BROOKE ST.

BROOKE ST. TRAIL

MILITARY ROAD

FOAB9
STA. 27+06.48'', 18.8' RT

PB7
STA. 22+89.99'', 20.4' RT

LC1 - 5 - (2,4). OSL
STA. 22+97.33'', 20.8' RT

PB8
STA. 24+94.33'', 20.5' RT

LC1 - 6 - (2,4). OSL
STA. 25+02.02'', 20.2' RT

FOAB8
STA. 25+22.34'', 19.9' RT

PB9
STA. 26+15.51'', 20.9' RT

PB10
STA. 27+52.28'', 19.3' RT

LC1 - 7 - (2,4). W-6
STA. 27+57.17'', 19.0' RT

LEGEND

POLE ASSEMBLY TYPE W = COBRA HEAD STREET LIGHTS PER CITY SPECS.
POLES TYPE 5-ALUMINUM WITH LUMINAIRE ARMS SINGLE MEMBER 4 1/2-INCH CLAMP 6-FT CONCRETE BASE TYPE 5, TRANSFORMER BASE COBRA HEAD STREET LIGHT, LED LAMP TYPE W

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LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE

CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (SCHEDULE 80 BELOW ROADWAY)

CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (SCHEDULE 80 BELOW ROADWAY). FOR FUTURE FIBER OPTIC CABLE.

CAPPED CONDUIT

PULL BOXES NON-CONDUCTIVE 24X42-INCH

FIBER OPTIC ACCESS BOX PER CITY SPECS.

LIGHTING CONTROL CABINET DESIGNATION
POLE NUMBER
LIGHTING CIRCUIT(S)
LED POLE ASSEMBLY TYPE
X-X-(X,X). X-X — ARM LENGTH
STA. XX+XX.XX, XX.XX' RT./LT. — (LOCATION TO CENTER OF POLE)

CONDUIT QUANTITY/SIZE
PHASE CONDUCTOR QUANTITY/SIZE (AWG)/CIRCUIT
EQUIPMENT GROUNDING CONDUCTOR QUANTITY/SIZE (AWG)
LIGHT
GND

1 — 1 12 — TRACER WIRE
2 — 2 6 LIGHT A&B LEGS; 1 6 LIGHT NEUTRAL; 1 6 GND
3 — 2 6 LIGHT A&B LEGS; 1 6 LIGHT NEUTRAL; 1 6 GND
4 — 2 6 LIGHT A&B LEGS; 1 6 LIGHT NEUTRAL; 1 6 GND; 2 6 LIGHT A&B LEGS; 1 6 LIGHT NEUTRAL; 1 6 GND

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	LIGHTING PLAN	SHEET 79	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - 023604-lp

PLOT DATE : 10/26/2021 4:45 PM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

MATCHLINE STA. 28+25

101W

WESTERN AVE.

102W

103W

104W

WESTERN AVE.

MILITARY ROAD

MILITARY ROAD

29 30 31 32 33

LC1 - 8 - (2,4). W-6
STA. 28+92.27 '', 21.3' RT

PB11
STA. 28+86.94 '', 22.2' RT

PB30
STA. 30+74.66'', 52.1' RT

FOAB10
STA. 103+18.02 'W', -30.6' LT

MANHOLES 4-J
STA. 30+75.00, 1.50' L

MANHOLES 5-J
STA. 31+87.71, 1.29' R

INLETS 2x3-H
STA. 33+06.80, 22.98' L

MANHOLES 7-J
STA. 33+17.27, 9.51' R

INLETS 2x3-H
STA. 33+19.48, 17.38' R

MANHOLES 7-J
STA. 31+75.45, 5.59' R

MANHOLES 7-J
STA. 30+99.71, 43.58' R

MANHOLES 4-J
STA. 103+60.02

BLDG

LDG

PROP

LEGEND

POLE ASSEMBLY TYPE W = COBRA HEAD STREET LIGHTS PER CITY SPECS.
POLES TYPE 5-ALUMINUM WITH LUMINAIRE ARMS SINGLE MEMBER 4 1/2-INCH CLAMP 6-FT CONCRETE BASE TYPE 5, TRANSFORMER BASE COBRA HEAD STREET LIGHT, LED LAMP TYPE W

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LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE

CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (SCHEDULE 80 BELOW ROADWAY)

CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (SCHEDULE 80 BELOW ROADWAY). FOR FUTURE FIBER OPTIC CABLE.

CAPPED CONDUIT

PULL BOXES NON-CONDUCTIVE 24X42-INCH

FIBER OPTIC ACCESS BOX PER CITY SPECS.

LIGHTING CONTROL CABINET DESIGNATION
POLE NUMBER
LIGHTING CIRCUIT(S)
LED POLE ASSEMBLY TYPE
X-X-(X,X). X-X — ARM LENGTH
STA. XX+XX.XX, XX.XX' RT./LT. ← (LOCATION TO CENTER OF POLE)

CONDUIT QUANTITY/SIZE
PHASE CONDUCTOR QUANTITY/SIZE (AWG)/CIRCUIT
EQUIPMENT GROUNDING CONDUCTOR QUANTITY/SIZE (AWG)
1 2" — 2 2 LIGHT — 1 2 GND

1 2" — 1 12 TRACER WIRE

2 2" — 2 6 LIGHT A&B LEGS — 1 6 LIGHT NEUTRAL — 1 6 GND

3 3" — 2 6 LIGHT A&B LEGS — 1 6 LIGHT NEUTRAL — 1 6 GND

4 2" — 2 6 LIGHT A&B LEGS — 1 6 LIGHT NEUTRAL — 1 6 GND — 2 6 LIGHT A&B LEGS — 1 6 LIGHT NEUTRAL — 1 6 GND

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	LIGHTING PLAN	SHEET 80 E

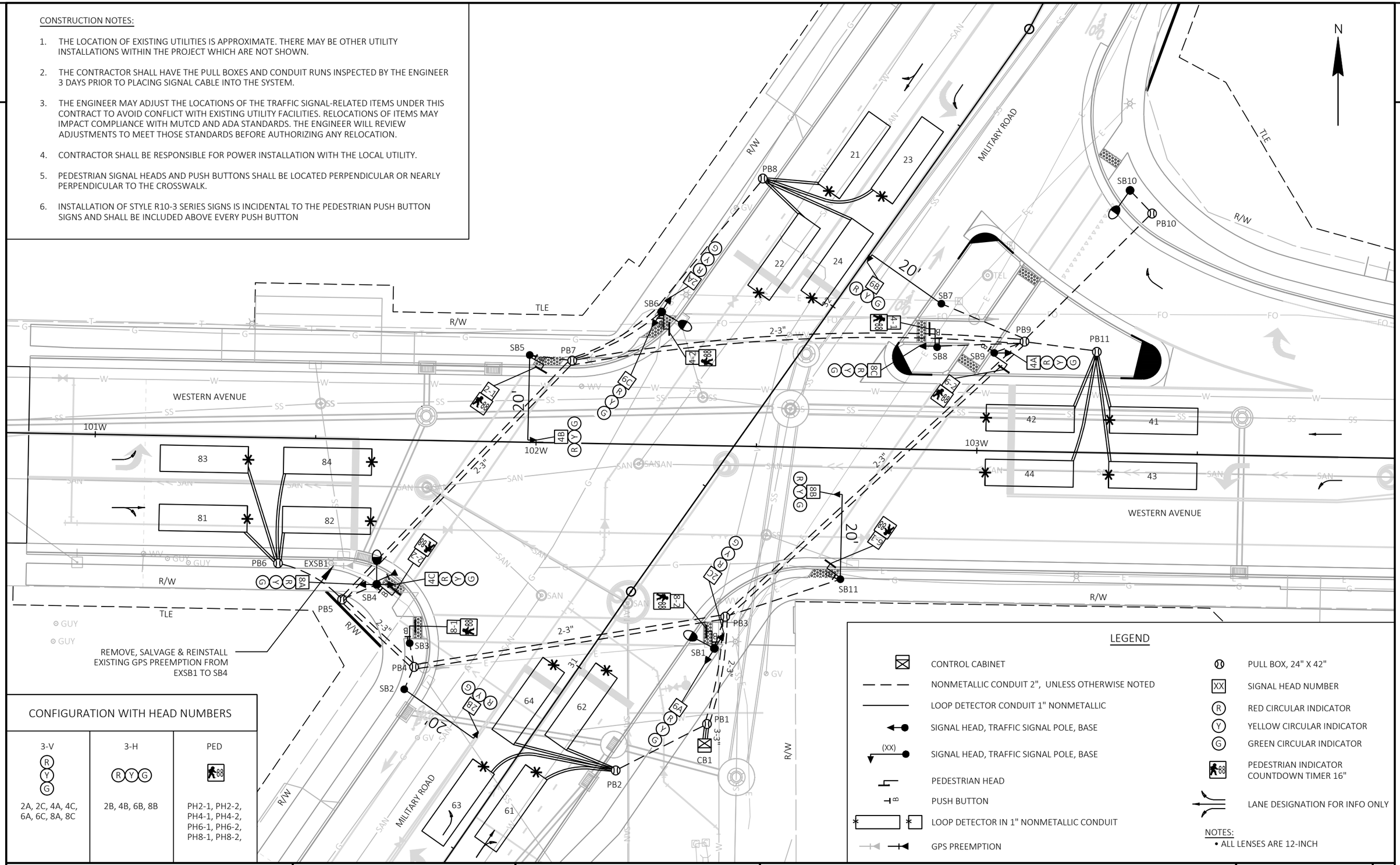
FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - 023605-lp

PLOT DATE : 10/26/2021 4:45 PM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

CONSTRUCTION NOTES:

1. THE LOCATION OF EXISTING UTILITIES IS APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED BY THE ENGINEER 3 DAYS PRIOR TO PLACING SIGNAL CABLE INTO THE SYSTEM.
3. THE ENGINEER MAY ADJUST THE LOCATIONS OF THE TRAFFIC SIGNAL-RELATED ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES. RELOCATIONS OF ITEMS MAY IMPACT COMPLIANCE WITH MUTCD AND ADA STANDARDS. THE ENGINEER WILL REVIEW ADJUSTMENTS TO MEET THOSE STANDARDS BEFORE AUTHORIZING ANY RELOCATION.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR POWER INSTALLATION WITH THE LOCAL UTILITY.
5. PEDESTRIAN SIGNAL HEADS AND PUSH BUTTONS SHALL BE LOCATED PERPENDICULAR OR NEARLY PERPENDICULAR TO THE CROSSWALK.
6. INSTALLATION OF STYLE R10-3 SERIES SIGNS IS INCIDENTAL TO THE PEDESTRIAN PUSH BUTTON SIGNS AND SHALL BE INCLUDED ABOVE EVERY PUSH BUTTON



CONFIGURATION WITH HEAD NUMBERS

3-V	3-H	PED
R Y G	R Y G	
2A, 2C, 4A, 4C, 6A, 6C, 8A, 8C	2B, 4B, 6B, 8B	PH2-1, PH2-2, PH4-1, PH4-2, PH6-1, PH6-2, PH8-1, PH8-2,

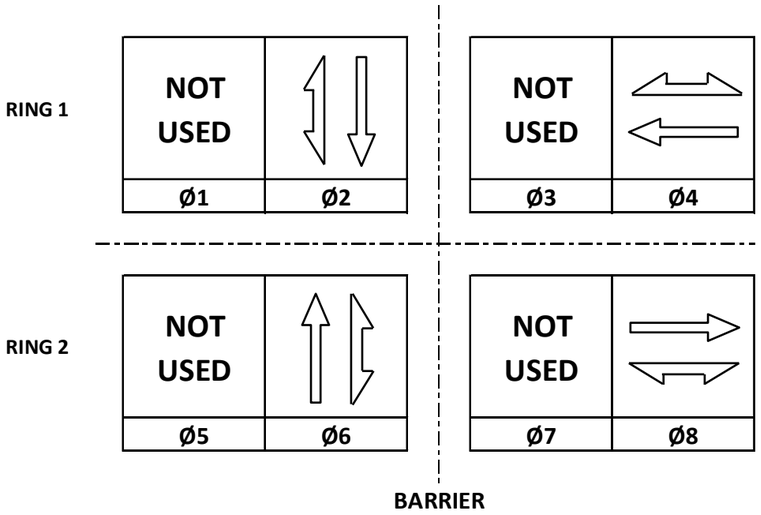
LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL POLE, BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, BASE
- PEDESTRIAN HEAD
- PUSH BUTTON
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- GPS PREEMPTION
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- PEDESTRIAN INDICATOR COUNTDOWN TIMER 16"
- LANE DESIGNATION FOR INFO ONLY

NOTES:
• ALL LENSES ARE 12-INCH

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	TRAFFIC SIGNAL PLAN	SHEET 81	E

	HEAD NUMBERS	FLASH
Ø1		
Ø2	2A, 2B, 2C	R
Ø3		
Ø4	4A, 4B, 4C	R
Ø5		
Ø6	6A, 6B, 6C	R
Ø7		
Ø8	8A, 8B, 8C	R
Ø2P	2-1, 2-2	
Ø4P	4-1, 4-2	
Ø6P	6-1, 6-2	
Ø8P	8-1, 8-2	
OLA		
OLB		
OLC		
OLD		



CONTROLLER LOGIC

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

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

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

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

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	C
MOVEMENT	↙ ↗	← →
PHASE	2+6	4+8

AFTER PREEMPTION SEQUENCE 2+6 OR 4+8, CONTROLLER SHALL RETURN TO PHASES 2+6.

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13	19	17	23	21	27	25	31	29	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	21	22	23	24	41	42	43	44									PLAN LOOP DETECTOR*(S)
CALLED PHASE	2	2	2	2	4	4	4	4									CALLED PHASE
CALL OPTION	X	X	X	X	X	X	X	X									CALL OPTION
DELAY TIME		X															DELAY TIME
EXTENTION OPTION	X	X	X	X	X	X	X	X									EXTENTION OPTION
EXTEND TIME																	EXTEND TIME
USE ADDED INITIAL																	USE ADDED INITIAL
CROSS SWITCH PHASE																	CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14	20	18	24	22	28	26	32	30	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	61	62	63	64	81	82	83	84									PLAN LOOP DETECTOR*(S)
CALLED PHASE	6	6	6	6	8	8	8	8									CALLED PHASE
CALL OPTION	X	X	X	X	X	X	X	X									CALL OPTION
DELAY TIME		X				X											DELAY TIME
EXTENTION OPTION	X	X	X	X	X	X	X	X									EXTENTION OPTION
EXTEND TIME																	EXTEND TIME
USE ADDED INITIAL																	USE ADDED INITIAL
CROSS SWITCH PHASE																	CROSS SWITCH PHASE

GENERAL NOTES:

1. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.
2. WHEN ONE PHASE IS ON ALONE, ANY NONCONFLICTING PHASE MAY START TIMING CONCURRENTLY WITHOUT A CLEARANCE INTERVAL.
3. SIGNAL WILL DWELL IN PHASES 2 & 6.
4. EVP IS AN OPTICOM GPS BASED SYSTEM THAT WILL BE SALVAGED AND REINSTALLED.

MILITARY RD & WESTERN AVE
FOND DU LAC
FOND DU LAC COUNTY

SIGNAL NO: CABINET TYPE: TS2
CONTROLLER TYPE: ECONOLITE
DATE: 8/20/2021 PAGE NO.

2

PROJECT ID:	4986-00-25
INTERSECTION	MILITARY RD & WESTERN AVE

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

DATE: 8/13/2021

CB1 TO	JUMPER	# OF COND.	HEAD NO.	SIGNAL INDICATION WIRE COLOR									APS BUTTON	
				RED	YELLOW	GREEN	<RED	<YELLOW>	<FLASHING YELLOW>	<GREEN>	DWALK	WALK		
SB1		15	2C	RED	ORG	GRN								
			6A	RED-BLK	ORG-BLK	GRN-BLK								
			8-2								BLK	BLU		
			B										WHT-BLK	BLK-WHT
SB2		15	6A	RED	ORG	GRN								
SB3		15	8-1								BLK	BLU		
			B										WHT-BLK	BLK-WHT
SB4		15	4C	RED	ORG	GRN								
			8A	RED-BLK	ORG-BLK	GRN-BLK								
			2-2								BLK	BLU		
			B										WHT-BLK	BLK-WHT
SB5		15	4B	RED	ORG	GRN								
			2-1								BLK	BLU		
			B										WHT-BLK	BLK-WHT
SB6		15	2A	RED	ORG	GRN								
			6C	RED-BLK	ORG-BLK	GRN-BLK								
			4-2								BLK	BLU		
			B										WHT-BLK	BLK-WHT
SB7		15	6B	RED	ORG	GRN								
SB8		15	8C	RED	ORG	GRN								
			8-1								BLK	BLU		
			B										WHT-BLK	BLK-WHT
SB9		15	4A	RED	ORG	GRN								
			6-2								BLK	BLU		
			B										WHT-BLK	BLK-WHT
SB10		-												
SB11		15	8B	RED	ORG	GRN								
			6-2								BLK	BLU		
			B										WHT-BLK	BLK-WHT

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

PULL BOX BONDING JUMPER 10 AWG GRN XLP	
FROM	TO
SB11	CB1
CB1	PB1
SB1	PB3
SB3	PB4
SB4	PB5
SB6	PB7
SB9	PB9
SB10	PB10

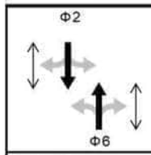
LIGHTING UF 12 AWG UNDERGROUND	
FROM	TO
CB1	SB1
CB1	SB4
CB1	SB6
CB1	SB10

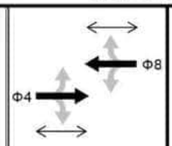
VIDEO VEHICLE DETECTION	
FROM	TO

* USE THE WHITE CONDUCTOR IN THE CABLE ASSEMBLY AS THE GROUNDED CONDUCT 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 BASE, CONNECT ONE TERMINAL FROM THE PEDESTRIAN PUSH BUTTONS TO THE COLOR INDICATED IN THE CHART. CONNECT THE OTHER TERMINAL TO THE GROUNDED CONDUCTOR.

2

Intersection of Military Rd at Western Ave





Signal Timing Parameters

Weekdays & Weekends
6:30 am – 11:00 pm

Coordinated?	No				**Cycle Length (s)**	70		
Master Intersection								
Offset (s)	0			**Reference Phase**				
Phase	**Φ1**	**Φ2**	**Φ3**	**Φ4**	**Φ5**	**Φ6**	**Φ7**	**Φ8**
Yellow (s)		3		3		3		3
All Red (s)		3		3		3		3
Extension (s)		3		3		3		3
Min Gap (s)		3		3		3		3
Time Before Reduce (s)		15		10		15		10
Time to Reduce (s)		1		1.1		1		1.1
Recall	None	Soft	None	None	None	Soft	None	None
Walk (s)		7		7		7		7
Flashing Don't Walk (s)		18		19		16		17

G min: 15 s	G min: 10 s	
G max: 29 s	G max: 29 s	
G ped Φ2: 25 s	G ped Φ4: 26 s	
G ped Φ6: 23 s	G ped Φ8: 24 s	
Total: 21 s min	Total: 16 s min	
Total: 35 s max	Total: 35 s max	
Total: 30 s ped	Total: 32 s ped	
Total max time: 35 s	Total max time: 35 s	
Notes: Activate pedestrian signals only when called by push button activation	**Notes:** Activate pedestrian signals only when called by push button activation	

EVP Notes

Min Green: 5 s
Walk/Flashing Don't Walk may be skipped if call has not been serviced. If call is being serviced, it shall continue as timed, then may switch to preemption.
Yellow/All Red shall not be omitted or shortened

Dwell Notes

Signal shall run free utilizing clearance and ped intervals shown between 11:00 pm and 6:30 am

Special Notes

Splits and Phases: 4: S Military Rd & Western Ave





Note: seconds (s) displayed in Splits and Phases diagram represent total split, not green time

2

BEGIN PROJECT
STA 10+20.00

MARKING RAILROAD CROSSING EPOXY

COLORING CONC WISDOT RED CROSSWALKS

COLORING CONC WISDOT RED CROSSWALKS

COLORING CONC WISDOT RED CROSSWALKS

COLORING CONC WISDOT RED CROSSWALKS

MATCH LINE STA 16+25

W 9TH ST. (WEST)

SUPERIOR ST.

MILITARY ROAD

WALKER ST.

W 9TH ST. (EAST)

LIBERTY ST.

HSE

BLDG

GRGE

POST

PROP

IP

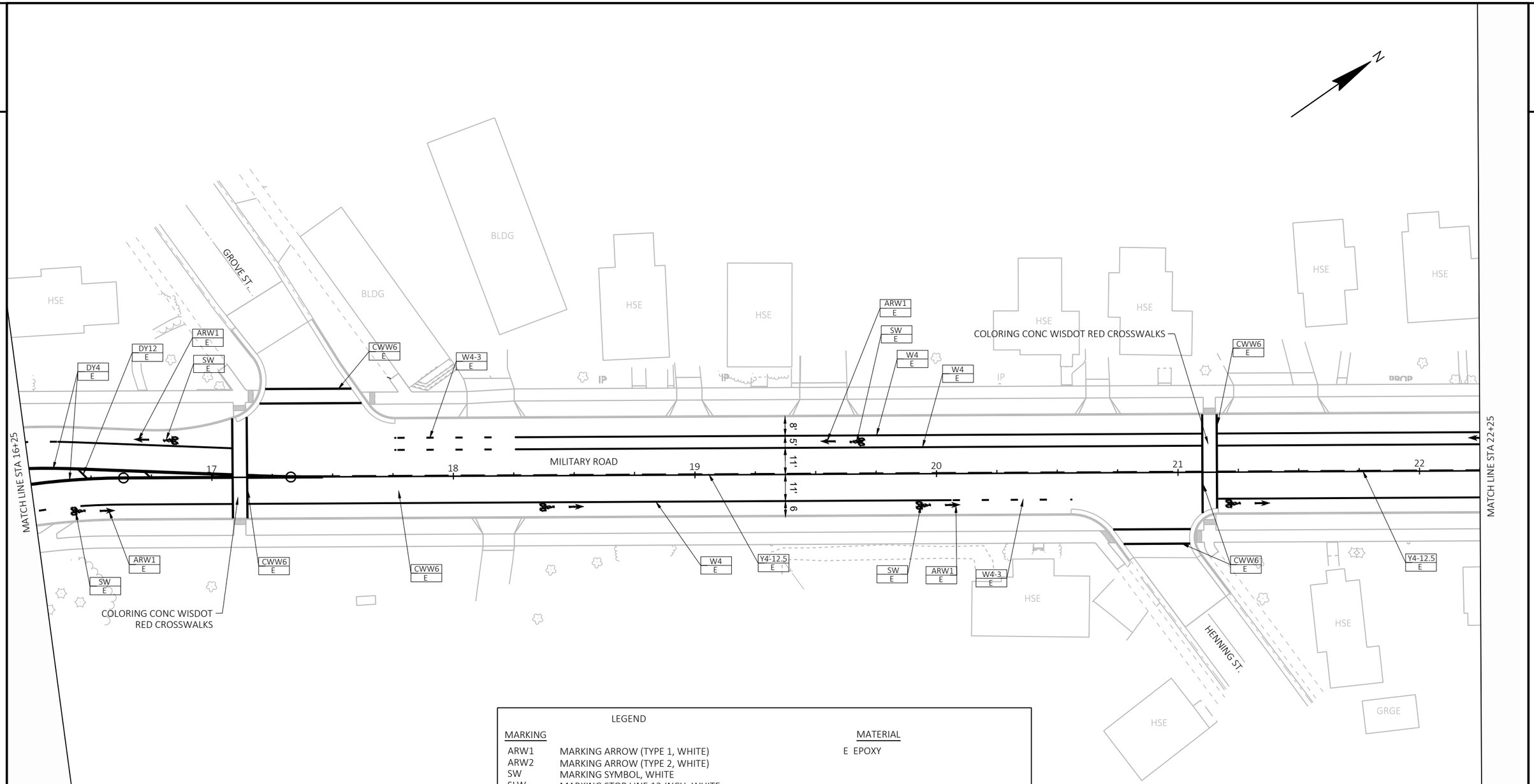
LEGEND

MARKING		MATERIAL
ARW1	MARKING ARROW (TYPE 1, WHITE)	E EPOXY
ARW2	MARKING ARROW (TYPE 2, WHITE)	
SW	MARKING SYMBOL, WHITE	
SLW	MARKING STOP LINE 12-INCH, WHITE	
YLSW	MARKING YIELD LINE SYMBOLS 18-INCH, WHITE	
DY12	MARKING DIAGONAL 12-INCH, YELLOW (25' C-C)	
CWW6	MARKING CROSSWALK TRANSVERSE LINE 6-INCH, WHITE	
CWW24	MARKING CROSSWALK BLOCK STYLE 24-INCH, WHITE	
CBY	MARKING CURB, YELLOW	
INY	MARKING ISLAND NOSE, YELLOW	
W4-3	MARKING DOTTED EXTENSION 4-INCH, WHITE 3' LINE, 9' GAP	
W18-2	MARKING DOTTED EXTENSION 18-INCH, WHITE 2' SEG., 2'GAP	
Y4-12.5	MARKING LINE 4-INCH, YELLOW 12.5' SEG., 37.5' GAP	
W4	MARKING LINE 4-INCH, WHITE	
Y4	MARKING LINE 4-INCH, YELLOW	
DY4	MARKING LINE 4-INCH, DOUBLE YELLOW	
W8	MARKING LINE 8-INCH, WHITE	

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	PAVEMENT MARKING	SHEET 85	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024501-pm
PLOT DATE : 10/26/2021 5:28 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

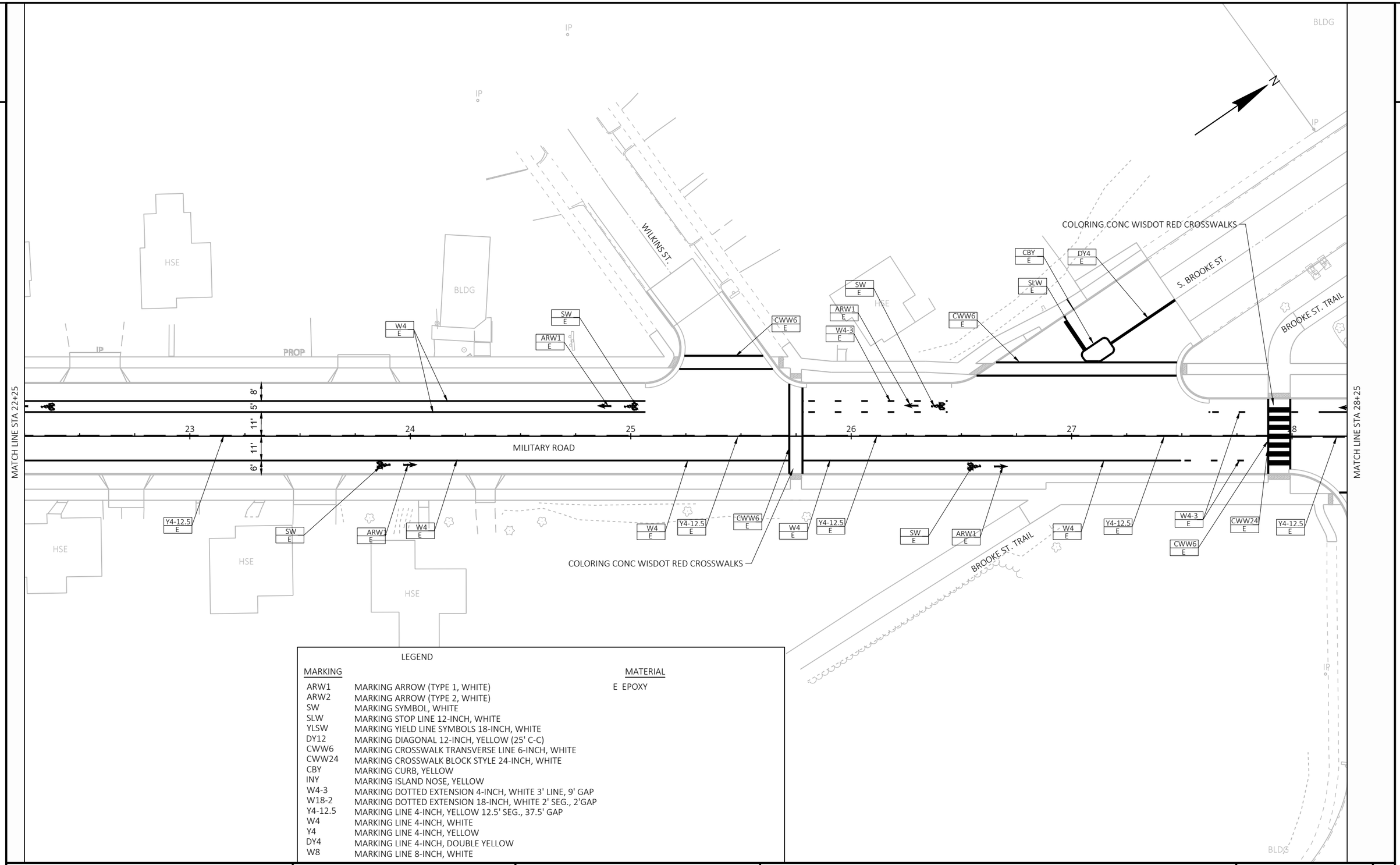


LEGEND

MARKING		MATERIAL
ARW1	MARKING ARROW (TYPE 1, WHITE)	E EPOXY
ARW2	MARKING ARROW (TYPE 2, WHITE)	
SW	MARKING SYMBOL, WHITE	
SLW	MARKING STOP LINE 12-INCH, WHITE	
YLSW	MARKING YIELD LINE SYMBOLS 18-INCH, WHITE	
DY12	MARKING DIAGONAL 12-INCH, YELLOW (25' C-C)	
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CWW24	MARKING CROSSWALK BLOCK STYLE 24-INCH, WHITE	
CBY	MARKING CURB, YELLOW	
INY	MARKING ISLAND NOSE, YELLOW	
W4-3	MARKING DOTTED EXTENSION 4-INCH, WHITE 3' LINE, 9' GAP	
W18-2	MARKING DOTTED EXTENSION 18-INCH, WHITE 2' SEG., 2'GAP	
Y4-12.5	MARKING LINE 4-INCH, YELLOW 12.5' SEG., 37.5' GAP	
W4	MARKING LINE 4-INCH, WHITE	
Y4	MARKING LINE 4-INCH, YELLOW	
DY4	MARKING LINE 4-INCH, DOUBLE YELLOW	
W8	MARKING LINE 8-INCH, WHITE	

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	PAVEMENT MARKING	SHEET 86	E

2



LEGEND

MARKING		MATERIAL
ARW1	MARKING ARROW (TYPE 1, WHITE)	E EPOXY
ARW2	MARKING ARROW (TYPE 2, WHITE)	
SW	MARKING SYMBOL, WHITE	
SLW	MARKING STOP LINE 12-INCH, WHITE	
YLSW	MARKING YIELD LINE SYMBOLS 18-INCH, WHITE	
DY12	MARKING DIAGONAL 12-INCH, YELLOW (25' C-C)	
CWW6	MARKING CROSSWALK TRANSVERSE LINE 6-INCH, WHITE	
CWW24	MARKING CROSSWALK BLOCK STYLE 24-INCH, WHITE	
CBY	MARKING CURB, YELLOW	
INY	MARKING ISLAND NOSE, YELLOW	
W4-3	MARKING DOTTED EXTENSION 4-INCH, WHITE 3' LINE, 9' GAP	
W18-2	MARKING DOTTED EXTENSION 18-INCH, WHITE 2' SEG., 2'GAP	
Y4-12.5	MARKING LINE 4-INCH, YELLOW 12.5' SEG., 37.5' GAP	
W4	MARKING LINE 4-INCH, WHITE	
Y4	MARKING LINE 4-INCH, YELLOW	
DY4	MARKING LINE 4-INCH, DOUBLE YELLOW	
W8	MARKING LINE 8-INCH, WHITE	

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	PAVEMENT MARKING	SHEET 87	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024503-pm

PLOT DATE : 10/26/2021 5:28 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

BLDG

DY4 E

101W

ARW2 E

W8 E

15' 10' 15'

SLW E

WESTERN AVE.

COLORING CONC WISDOT RED CROSSWALKS

ARW1 E

SW E

DY4 E

W8 E

CWW6 E

SLW E

W4-3 E

W4 E

ARW2 E

END PROJECT
STA 33+31.48

MATCH LINE STA 28+25

6'
11'
10'
11'
6'

MILITARY ROAD

29 30 31 32 33

INY E

102W

103W

18' (TYP)

104W

104+97.40W

YLSW E

CBY E

GRGE

SIGN

JP

LEGEND

MARKING		MATERIAL
ARW1	MARKING ARROW (TYPE 1, WHITE)	E EPOXY
ARW2	MARKING ARROW (TYPE 2, WHITE)	
SW	MARKING SYMBOL, WHITE	
SLW	MARKING STOP LINE 12-INCH, WHITE	
YLSW	MARKING YIELD LINE SYMBOLS 18-INCH, WHITE	
DY12	MARKING DIAGONAL 12-INCH, YELLOW (25' C-C)	
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CWW24	MARKING CROSSWALK BLOCK STYLE 24-INCH, WHITE	
CBY	MARKING CURB, YELLOW	
INY	MARKING ISLAND NOSE, YELLOW	
W4-3	MARKING DOTTED EXTENSION 4-INCH, WHITE 3' LINE, 9' GAP	
W18-2	MARKING DOTTED EXTENSION 18-INCH, WHITE 2' SEG., 2'GAP	
Y4-12.5	MARKING LINE 4-INCH, YELLOW 12.5' SEG., 37.5' GAP	
W4	MARKING LINE 4-INCH, WHITE	
Y4	MARKING LINE 4-INCH, YELLOW	
DY4	MARKING LINE 4-INCH, DOUBLE YELLOW	
W8	MARKING LINE 8-INCH, WHITE	

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	PAVEMENT MARKING	SHEET 88	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024504-pm

PLOT DATE : 10/26/2021 5:28 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

STAGE 1

DETOUR ROUTE - WESTERN AVE.
S. HICKORY ST. - MILITARY RD. - W. 9TH ST. - S. MAIN ST. = 1.5 MILES

DETOUR ROUTE - MILITARY RD.
W. 9TH ST. - S. MAIN ST. - 2ND ST. = 1.1 MILES

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- (A) TYPE A WARNING LIGHT (FLASHING)
- WORK AREA
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD



10



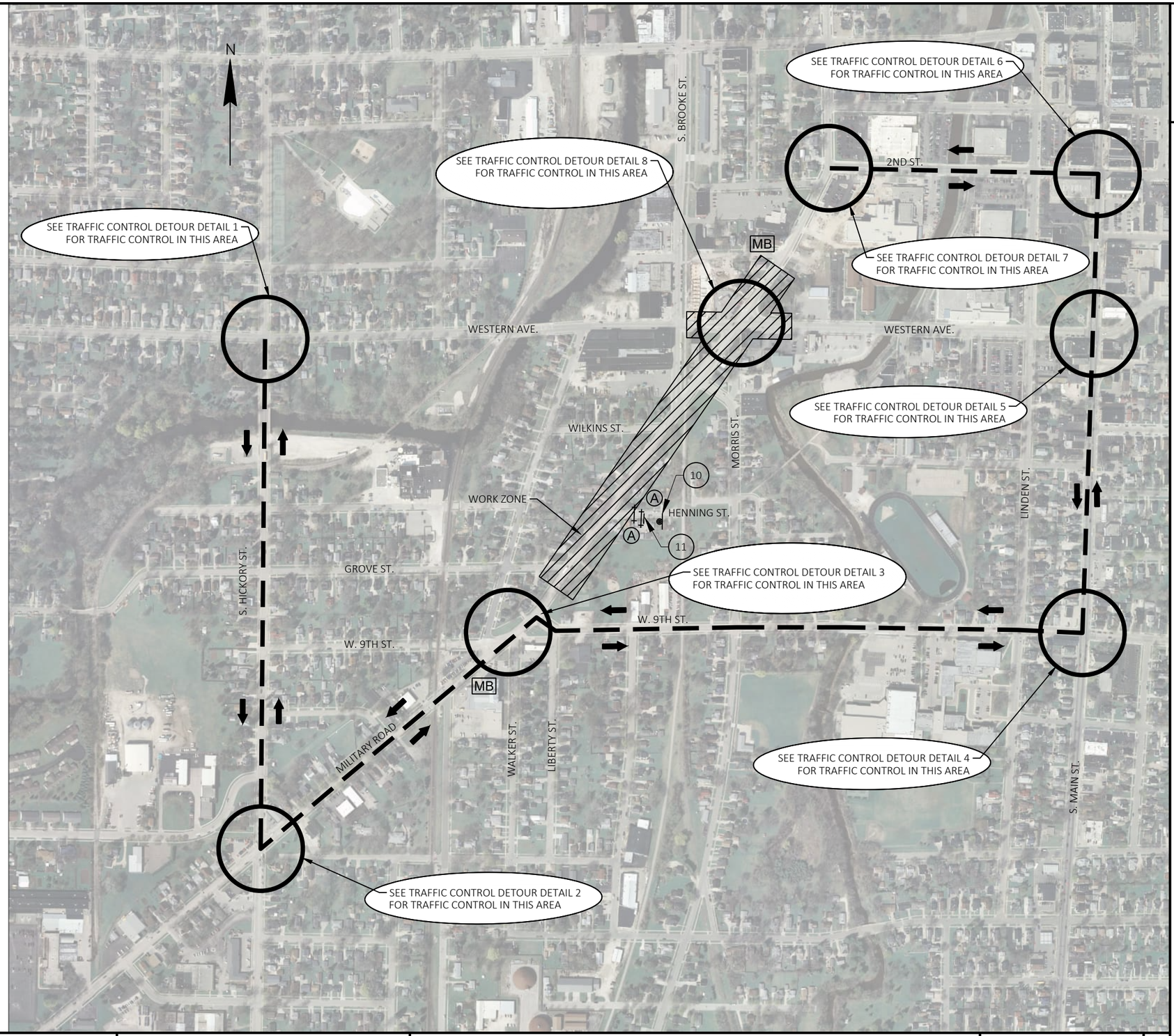
11



MB

NOTES:

- UTILIZE S.D.D. "BARRICADES & SIGNS FOR MAINLINE CLOSURES" AT PROJECT ENDS.
- UTILIZE S.D.D. "BARRICADES & SIGNS FOR SIDEROAD CLOSURES" AT SIDEROADS WITHIN PROJECT LIMITS.
- UTILIZE S.D.D. "BARRICADES AND SIGNS FOR VARIOUS CLOSURES" NEAR PROJECT LIMITS.
- UTILIZE S.D.D. "DETOUR SIGNING FOR MAINLINE CLOSURES" THROUGHOUT DETOUR ROUTE.
- MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES



2

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	DETOUR ROUTE - STAGE 1	SHEET 89	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\027001-DT.DWG
LAYOUT NAME - 01

PLOT DATE : 10/27/2021 8:03 AM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:500 FT

WISDOT/CADDS SHEET 42

2

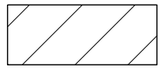
LEGEND

TYPE III BARRICADE

TYPE III BARRICADE WTH ATTACHED SIGN

SIGN ON PERMANENT SUPPORT


TYPE A WARNING LIGHT (FLASHING)


WORK AREA


DIRECTION OF TRAFFIC



PORTABLE CHANGEABLE MESSAGE BOARD

TRAFFIC CONTROL SIGNING NOTES

1. DRAWINGS SHOW TRAFFIC CONTROL DETOUR FOR A TYPICAL SITUATION. ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE REQUIRED AND/OR LAYOUT DETAILS MODIFIED DEPENDING ON SITE CONDITIONS AS DIRECTED BY THE ENGINEER. ALL CHANGES TO THE TRAFFIC CONTROL DETOUR PLAN SHALL BE REVIEWED WITH THE PROJECT ENGINEER.

2. SIGN FACE LAYOUTS SHALL BE IN ACCORDANCE WITH THE FEDERAL HIGHWAY ADMINISTRATION MANUAL OF STANDARD HIGHWAY SIGNS, UNLESS OTHERWISE NOTED.

3. TRAFFIC CONTROL PLANS ARE NOT TO SCALE.

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

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	TRAFFIC CONTROL-DETOUR - STAGE 1	SHEET 90	E



NOTES:
SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES"
SEE SDD "BARRICADES AND SIGNS FOR VARIOUS CLOSURES
SEE SDD "DETOUR SIGNING FOR MAINLINE CLOSURES"
SEE SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- (A) TYPE A WARNING LIGHT (FLASHING)
- WORK AREA
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

1 — WESTERN AVE 36"X24" / DETOUR AHEAD W20-2A

2 — DETOUR M4-59L 30"X30"

3 — DETOUR M4-9L 30"X24"

4 — ROAD CLOSED 0.4 MILES AHEAD LOCAL TRAFFIC ONLY R11-3 60"X30"

5 — END DETOUR M4-8A 24"X18"

6 — DETOUR M4-59R 30"X30"

7 — DETOUR M4-9R 30"X24"

15 — DETOUR M4-8 24"X12" / WESTERN AVE 36"X24"

TRAFFIC CONTROL DETOUR DETAIL 1

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	TRAFFIC CONTROL-DETOUR - STAGE 1	SHEET 91	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\027002-DT.DWG
LAYOUT NAME - 01
PLOT DATE : 10/27/2021 8:03 AM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : Custom

2



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- (A) TYPE A WARNING LIGHT (FLASHING)
- WORK AREA
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

WESTERN AVE 36"X24"

DETOUR AHEAD W20-2A — 1

DETOUR M4-59L 30"X30" — 2

DETOUR M4-9L 30"X24" — 3

END DETOUR M4-8A 24"X18" — 5

DETOUR M4-59R 30"X30" — 6

DETOUR M4-9R 30"X24" — 7

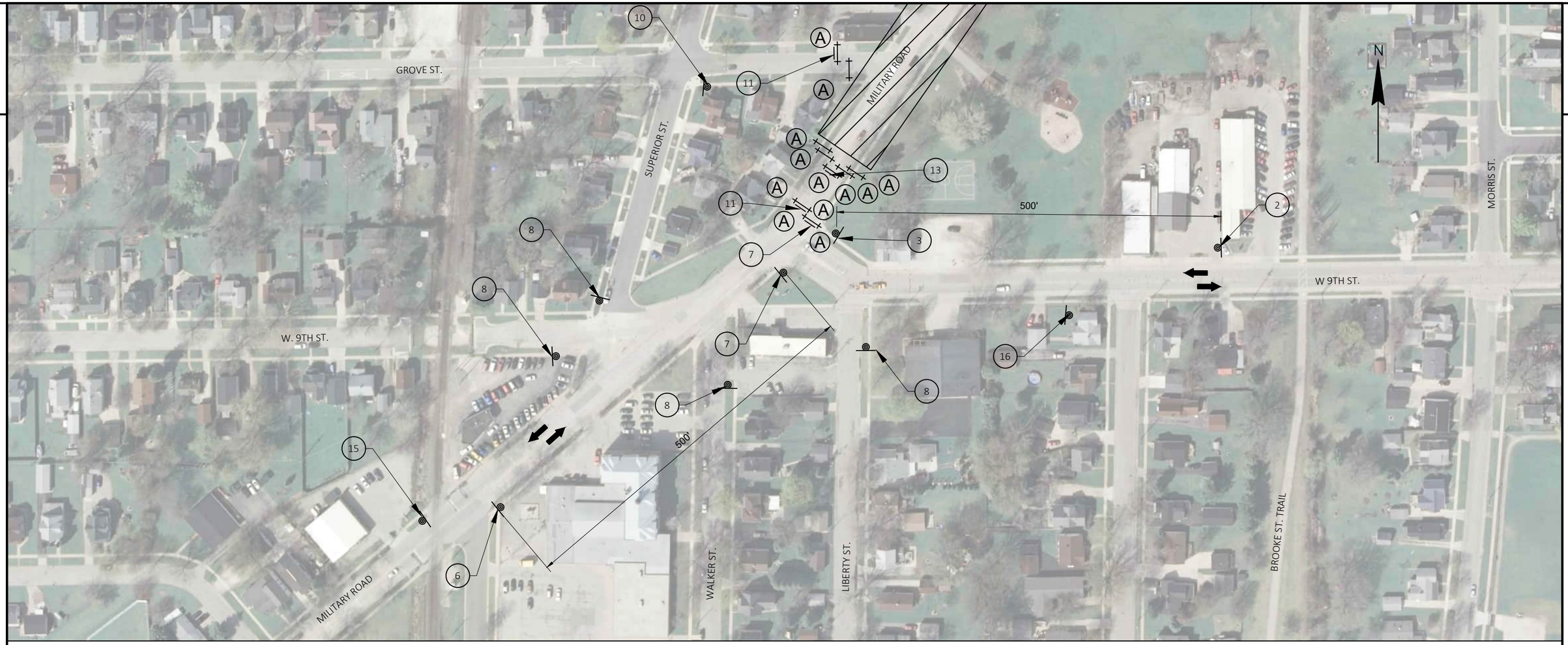
DETOUR M4-8 24"X12"
WESTERN AVE 36"X24" — 15

NOTES:
SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES"
SEE SDD "BARRICADES AND SIGNS FOR VARIOUS CLOSURES
SEE SDD "DETOUR SIGNING FOR MAINLINE CLOSURES"
SEE SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

TRAFFIC CONTROL DETOUR DETAIL 2

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	TRAFFIC CONTROL-DETOUR - STAGE 1	SHEET 92	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\027002-DT.DWG
LAYOUT NAME - 02
PLOT DATE : 10/27/2021 8:03 AM
PLOT BY : CONNOR GIRTEN
PLOT NAME :
PLOT SCALE : Custom
WISDOT/CADDS SHEET 44



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- (A) TYPE A WARNING LIGHT (FLASHING)
- WORK AREA
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

NOTES:
SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES"
SEE SDD "BARRICADES AND SIGNS FOR VARIOUS CLOSURES
SEE SDD "DETOUR SIGNING FOR MAINLINE CLOSURES"
SEE SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

DETOUR M4-59L 30"X30"	DETOUR M4-9L 30"X24"	DETOUR M4-59R 30"X30"	DETOUR M4-9R 30"X24"	ROAD WORK AHEAD W20-1A	ROAD CLOSED AHEAD W20-3A	ROAD CLOSED TO THRU TRAFFIC R11-4 60"X30"	ROAD CLOSED R11-2 48"X30"	DETOUR M4-8 24"X12" / WESTERN AVE 36"X24"	DETOUR M4-8 24"X12" / WESTERN AVE 36"X24" / MILITARY RD 36"X24"
2	3	6	7	8	10	11	13	15	16

TRAFFIC CONTROL DETOUR DETAIL 3

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	TRAFFIC CONTROL-DETOUR - STAGE 1	SHEET 93	E

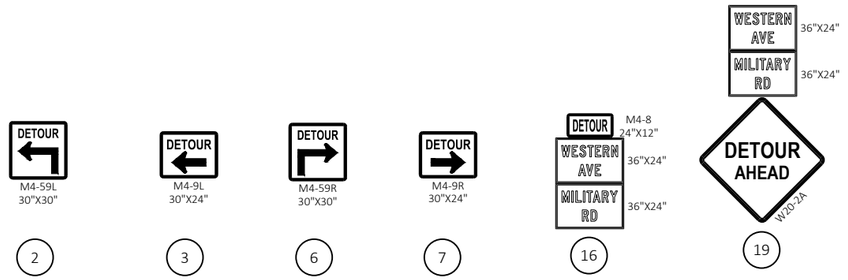
FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\027002-DT.DWG
LAYOUT NAME - 03
PLOT DATE : 10/27/2021 8:03 AM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : Custom

2



LEGEND

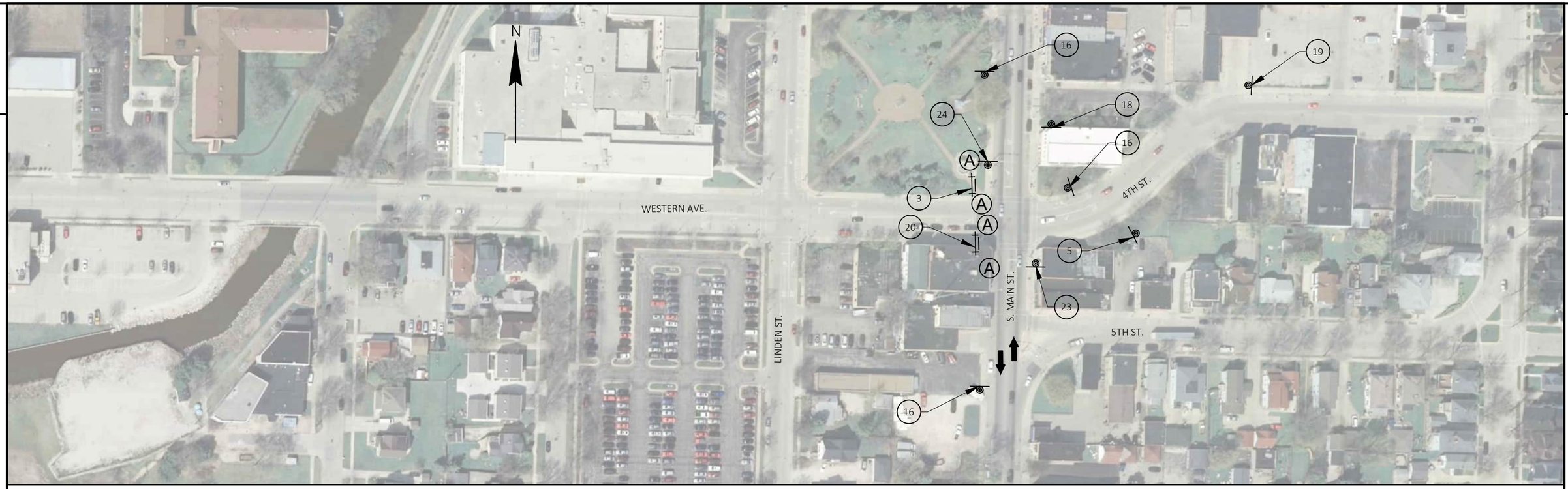
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- (A) TYPE A WARNING LIGHT (FLASHING)
- WORK AREA
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD



NOTES:
SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES"
SEE SDD "BARRICADES AND SIGNS FOR VARIOUS CLOSURES
SEE SDD "DETOUR SIGNING FOR MAINLINE CLOSURES"
SEE SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

TRAFFIC CONTROL DETOUR DETAIL 4

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	TRAFFIC CONTROL-DETOUR - STAGE 1	SHEET 94	E



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- (A) TYPE A WARNING LIGHT (FLASHING)
- WORK AREA
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

NOTES:
SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES"
SEE SDD "BARRICADES AND SIGNS FOR VARIOUS CLOSURES
SEE SDD "DETOUR SIGNING FOR MAINLINE CLOSURES"
SEE SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

3 — DETOUR (M4-9L 30"X24")

5 — END DETOUR (M4-8A 24"X18")

16 — DETOUR (M4-8 24"X12") / WESTERN AVE 36"X24" / MILITARY RD 36"X24"

18 — DETOUR (M4-8 24"X12") / MILITARY RD 36"X24"

19 — WESTERN AVE 36"X24" / MILITARY RD 36"X24" / DETOUR AHEAD (W20-2A)

20 — ROAD CLOSED 0.3 MILES AHEAD LOCAL TRAFFIC ONLY (R11-3 SIZE)

23 — END DETOUR (M4-8A 24"X18") / WESTERN AVE 36"X24"

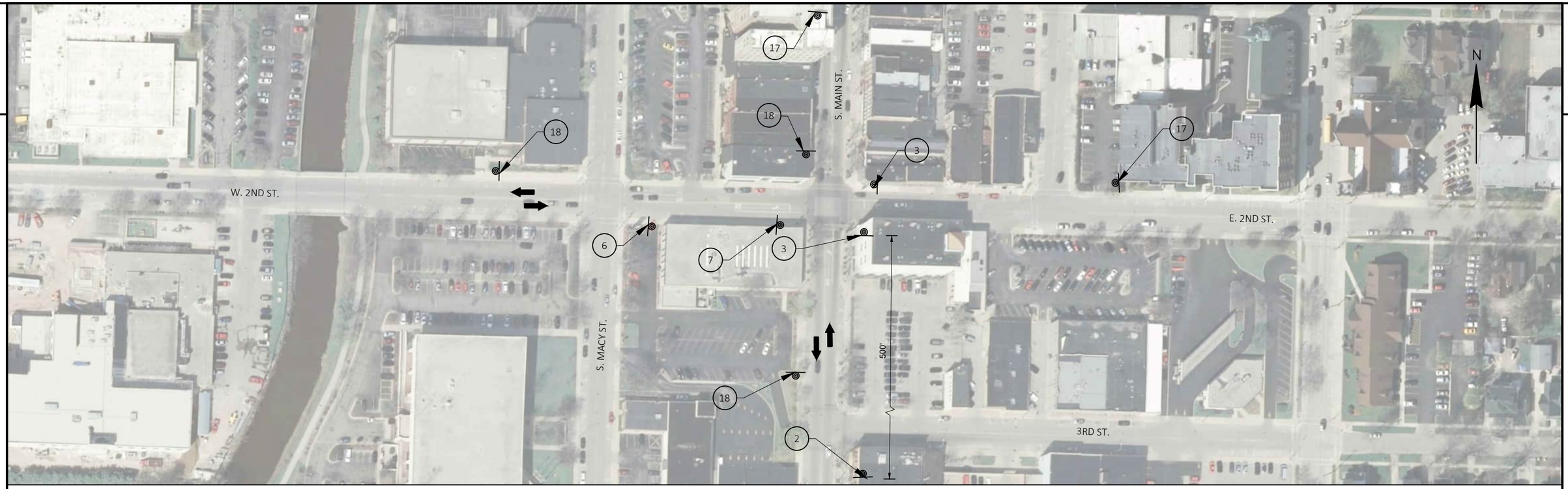
24 — DETOUR (M4-8 24"X12") / WESTERN AVE 36"X24" / MILITARY RD 36"X24" / (MO6-1 21"X21")

TRAFFIC CONTROL DETOUR DETAIL 5

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	TRAFFIC CONTROL-DETOUR - STAGE 1	SHEET 95	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\027002-DT.DWG
LAYOUT NAME - 05

PLOT DATE : 10/27/2021 8:03 AM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : Custom



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- (A) TYPE A WARNING LIGHT (FLASHING)
- WORK AREA
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

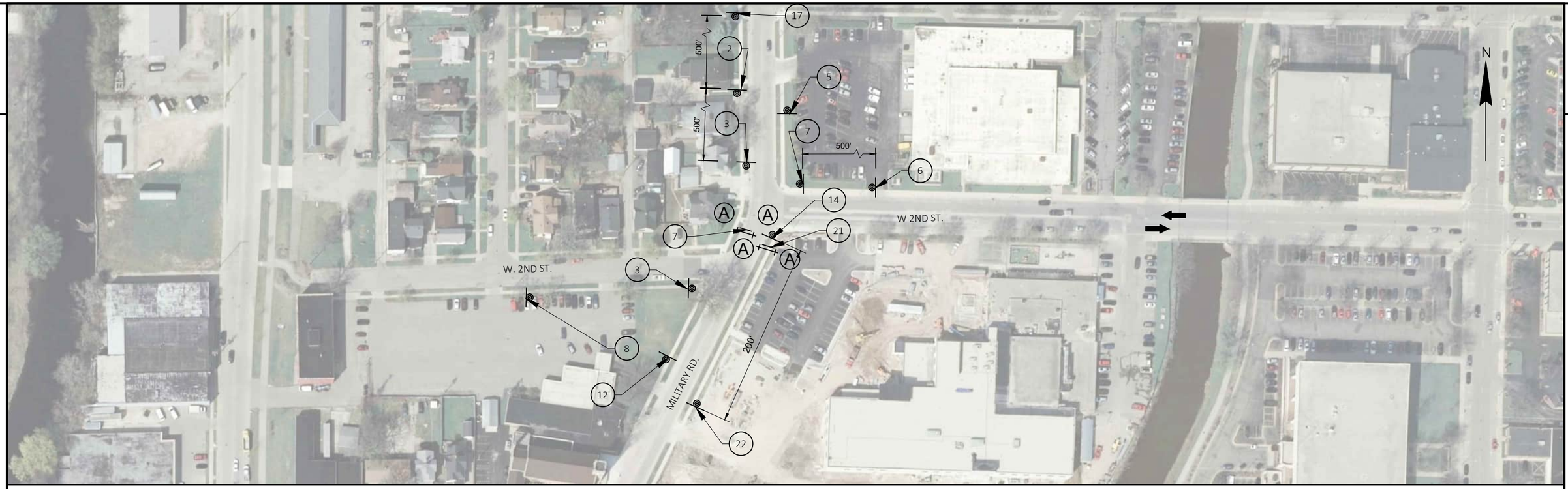
NOTES:
SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES"
SEE SDD "BARRICADES AND SIGNS FOR VARIOUS CLOSURES
SEE SDD "DETOUR SIGNING FOR MAINLINE CLOSURES"
SEE SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

DETOUR M4-59L 30"X30"	DETOUR M4-9L 30"X24"	DETOUR M4-59R 30"X30"	DETOUR M4-9R 30"X24"	MILITARY RD 36"X24" / DETOUR AHEAD W4D-2A	DETOUR M4-8 24"X12" / MILITARY RD 36"X24"
2	3	6	7	17	18

TRAFFIC CONTROL DETOUR DETAIL 6

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	TRAFFIC CONTROL-DETOUR - STAGE 1	SHEET 96	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\027002-DT.DWG
LAYOUT NAME - 06
PLOT DATE : 10/27/2021 8:03 AM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : Custom



NOTES:
SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES"
SEE SDD "BARRICADES AND SIGNS FOR VARIOUS CLOSURES
SEE SDD "DETOUR SIGNING FOR MAINLINE CLOSURES"
SEE SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

LEGEND

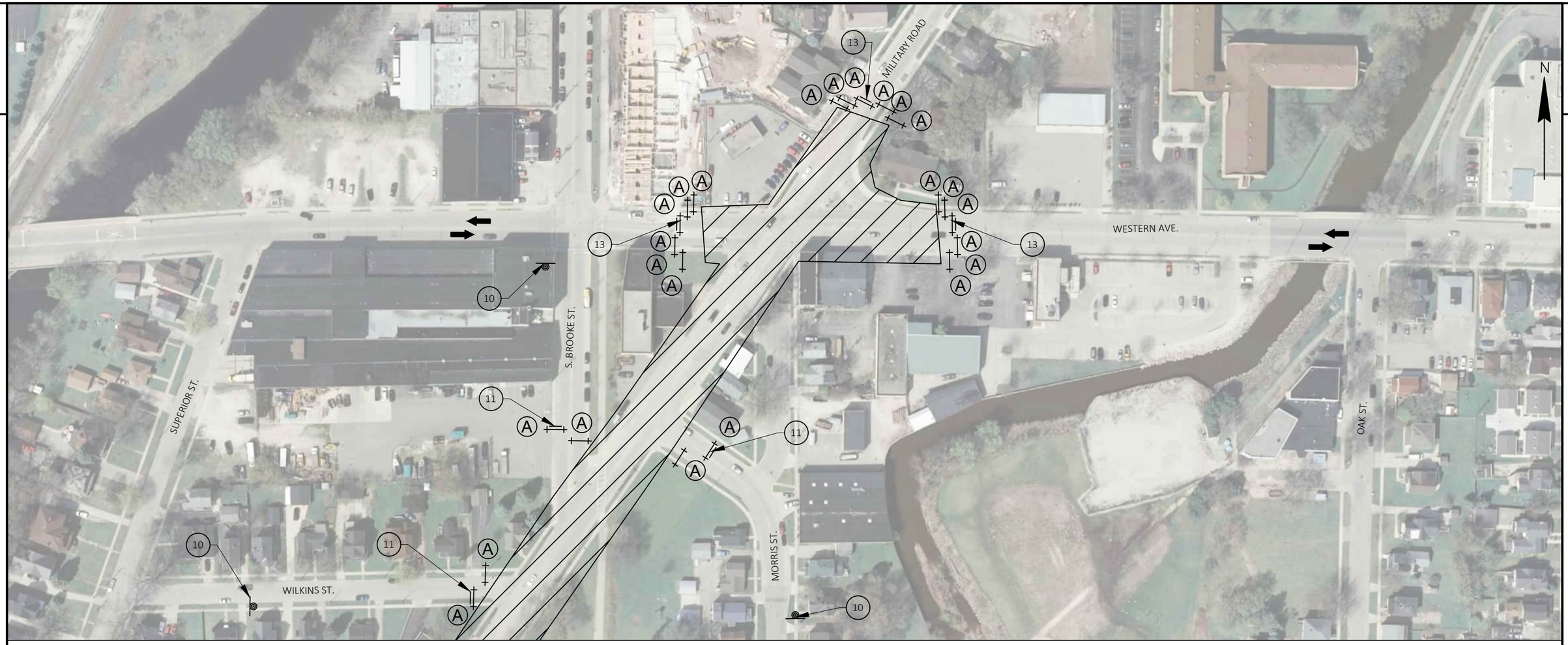
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- (A) TYPE A WARNING LIGHT (FLASHING)
- WORK AREA
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

											
M4-59L 30"X30"	M4-9L 30"X24"	M4-8A 24"X18"	M4-59R 30"X30"	M4-9R 30"X24"	ROAD WORK AHEAD W20-1A	ROAD CLOSED 500 FT W20-3D	STOP R1-1 30"X30"	MILITARY RD 36"X24" DETOUR AHEAD W20-2A	ROAD CLOSED 0.1 MILES AHEAD LOCAL TRAFFIC ONLY R11-3 60"X30"	W3-1 36"X36"	
2	3	5	6	7	8	12	14	17	21	22	

TRAFFIC CONTROL DETOUR DETAIL 7

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	TRAFFIC CONTROL-DETOUR - STAGE 1	SHEET 97	E

2



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- (A) TYPE A WARNING LIGHT (FLASHING)
- WORK AREA
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

ROAD CLOSED AHEAD W20-5A — 10

ROAD CLOSED TO THRU TRAFFIC R11-4 60"X30" — 11

ROAD CLOSED R11-2 48"X30" — 13

NOTES:
SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES"
SEE SDD "BARRICADES AND SIGNS FOR VARIOUS CLOSURES
SEE SDD "DETOUR SIGNING FOR MAINLINE CLOSURES"
SEE SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

TRAFFIC CONTROL DETOUR DETAIL 8

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	TRAFFIC CONTROL-DETOUR - STAGE 1	SHEET 98	E

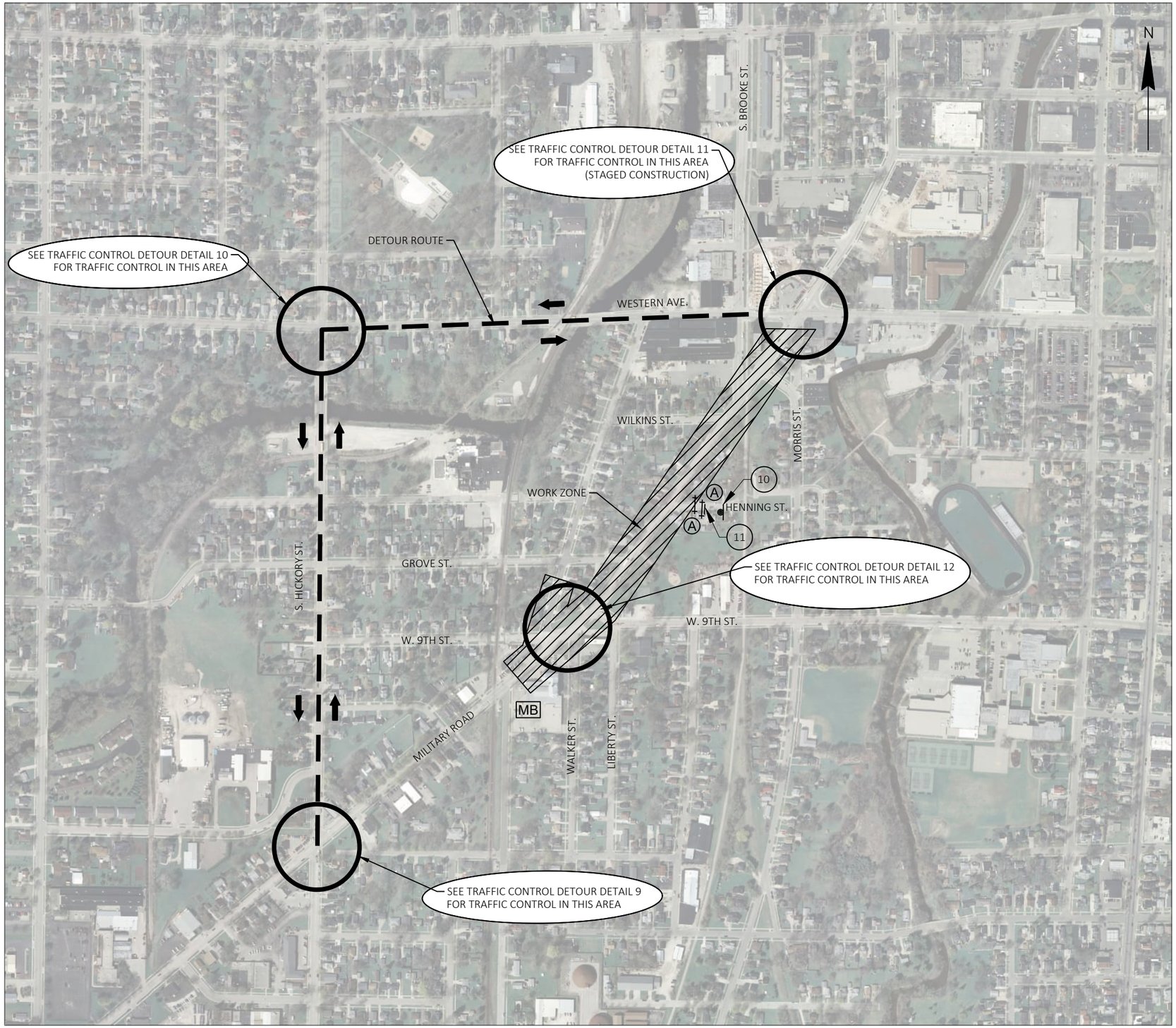
2

STAGE 2

DETOUR ROUTE - MILITARY RD.
S. HICKORY ST. - WESTERN AVE. = 0.9 MILES

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- (A) TYPE A WARNING LIGHT (FLASHING)
- WORK AREA
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD





10



11



NOTES:

- UTILIZE S.D.D. "BARRICADES & SIGNS FOR MAINLINE CLOSURES" AT PROJECT ENDS.
- UTILIZE S.D.D. "BARRICADES & SIGNS FOR SIDEROAD CLOSURES" AT SIDEROADS WITHIN PROJECT LIMITS.
- UTILIZE S.D.D. "BARRICADES AND SIGNS FOR VARIOUS CLOSURES" NEAR PROJECT LIMITS.
- UTILIZE S.D.D. "DETOUR SIGNING FOR MAINLINE CLOSURES" THROUGHOUT DETOUR ROUTE.
- MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	DETOUR ROUTE - STAGE 2	SHEET 99	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\027005-DT.DWG
LAYOUT NAME - 01
PLOT DATE : 10/27/2021 8:03 AM
PLOT BY : CONNOR GIRTEN
PLOT NAME :
PLOT SCALE : 1 IN:500 FT



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- (A) TYPE A WARNING LIGHT (FLASHING)
- WORK AREA
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

2	3	4	5	6	7	17
DETOUR M4-59L 30"X30"	DETOUR M4-9L 30"X24"	ROAD CLOSED 0.4 MILES AHEAD LOCAL TRAFFIC ONLY R11-3 60"X30"	END DETOUR M4-8A 24"X18"	DETOUR M4-59R 30"X30"	DETOUR M4-9R 30"X24"	MILITARY RD 36"X24" DETOUR AHEAD W20-2A

NOTES:
SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES"
SEE SDD "BARRICADES AND SIGNS FOR VARIOUS CLOSURES
SEE SDD "DETOUR SIGNING FOR MAINLINE CLOSURES"
SEE SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

TRAFFIC CONTROL DETOUR DETAIL 9

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	TRAFFIC CONTROL-DETOUR - STAGE 2	SHEET 100	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\027006-DT.DWG
LAYOUT NAME - 02
PLOT DATE : 10/27/2021 8:03 AM
PLOT BY : CONNOR GIRTEN
PLOT NAME :
PLOT SCALE : Custom

2



NOTES:
SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES"
SEE SDD "BARRICADES AND SIGNS FOR VARIOUS CLOSURES
SEE SDD "DETOUR SIGNING FOR MAINLINE CLOSURES"
SEE SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- (A) TYPE A WARNING LIGHT (FLASHING)
- WORK AREA
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

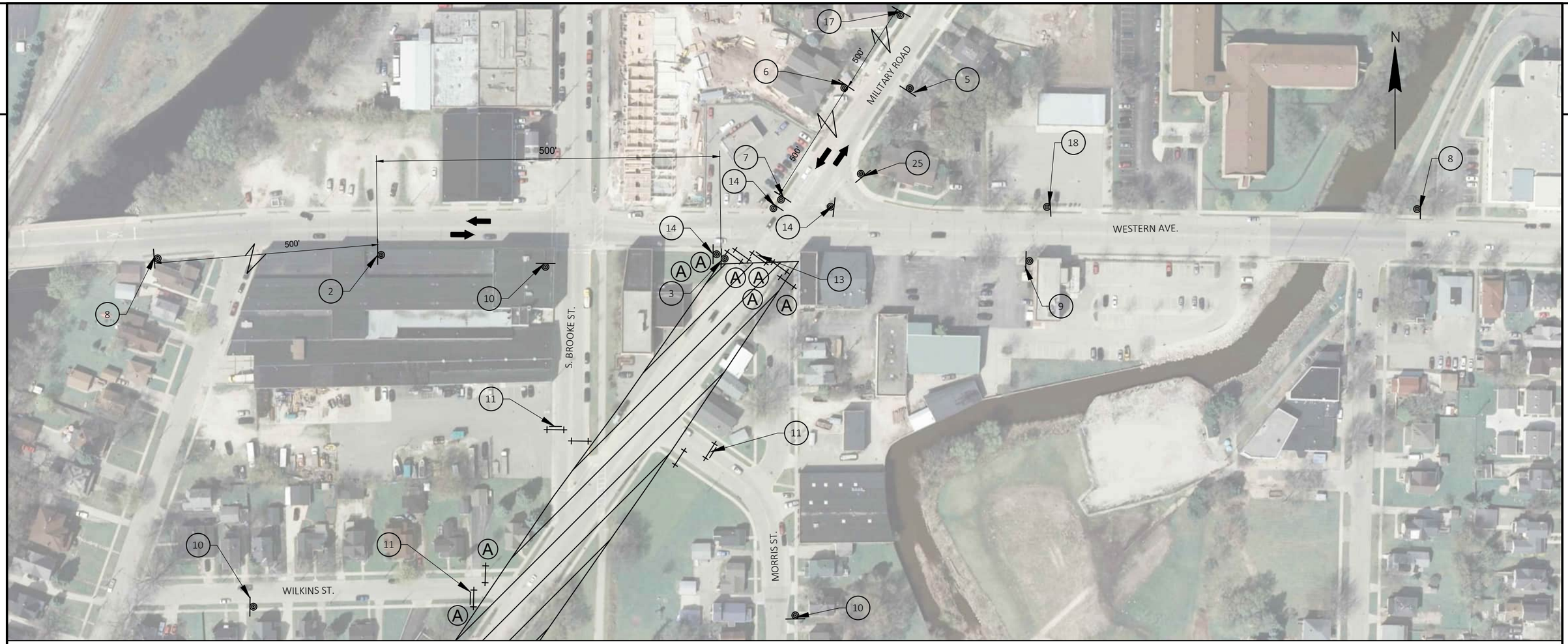
DETOUR M4-59L 30"X30"	DETOUR M4-9L 30"X24"	DETOUR M4-59R 30"X30"	DETOUR M4-9R 30"X24"	STOP R1-1 30"X30"	W3-1 36"X36"
2	3	6	7	14	22

TRAFFIC CONTROL DETOUR DETAIL 10

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	TRAFFIC CONTROL-DETOUR - STAGE 2	SHEET 101	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\027006-DT.DWG
LAYOUT NAME - 03

PLOT DATE : 10/27/2021 8:03 AM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : Custom



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- (A) TYPE A WARNING LIGHT (FLASHING)
- WORK AREA
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

DETOUR M4-59L 30"X30"	DETOUR M4-9L 30"X24"	END DETOUR M4-8A 24"X18"	DETOUR M4-59R 30"X30"	DETOUR M4-9R 30"X24"	ROAD WORK AHEAD W20-1A	
2	3	5	6	7	8	
END ROAD WORK G20-2A 48"X24"	ROAD CLOSED AHEAD W20-3A	ROAD CLOSED TO THRU TRAFFIC R11-4 60"X30"	ROAD CLOSED R11-2 48"X30"	STOP R1-1 30"X30"	MILITARY RD 36"X24" DETOUR AHEAD W20-2A	DETOUR M4-8 24"X12" MILITARY RD 36"X24"
9	10	11	13	14	17	18

R1-2 36"X31"	
25	

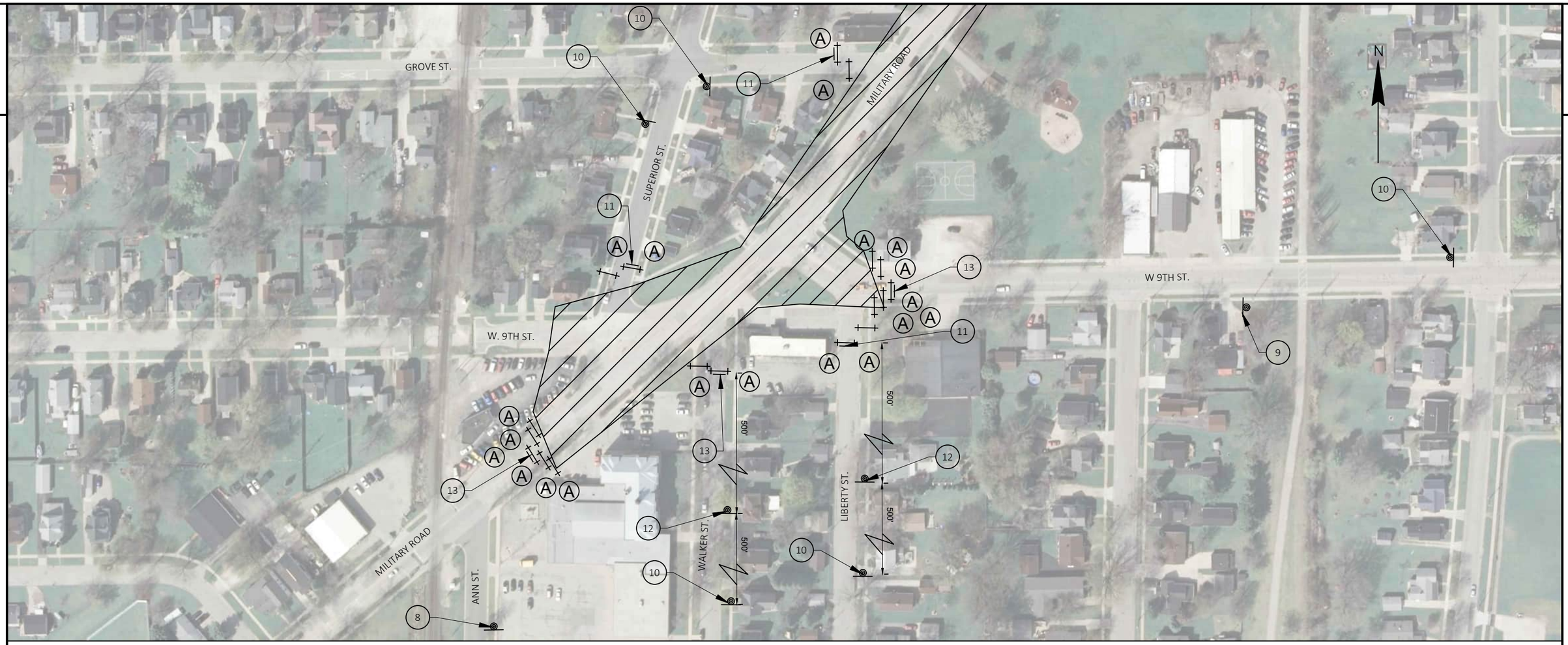
NOTES:
SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES"
SEE SDD "BARRICADES AND SIGNS FOR VARIOUS CLOSURES
SEE SDD "DETOUR SIGNING FOR MAINLINE CLOSURES"
SEE SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

TRAFFIC CONTROL DETOUR DETAIL 11

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	TRAFFIC CONTROL-DETOUR - STAGE 2	SHEET 102	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\027006-DT.DWG
LAYOUT NAME - 04
PLOT DATE : 10/27/2021 8:03 AM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : Custom
WISDOT/CADDS SHEET 44

2



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- (A) TYPE A WARNING LIGHT (FLASHING)
- WORK AREA
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

NOTES:
SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES"
SEE SDD "BARRICADES AND SIGNS FOR VARIOUS CLOSURES
SEE SDD "DETOUR SIGNING FOR MAINLINE CLOSURES"
SEE SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

8	9	10	11	12	13
ROAD WORK AHEAD W20-1A	END ROAD WORK G20-2A 48"X24"	ROAD CLOSED AHEAD W20-3A	ROAD CLOSED TO THRU TRAFFIC R11-4 60"X30"	ROAD CLOSED 500 FT W20-3D	ROAD CLOSED R11-2 48"X30"

TRAFFIC CONTROL DETOUR DETAIL 12

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	TRAFFIC CONTROL-DETOUR - STAGE 2	SHEET 103	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\027006-DT.DWG
LAYOUT NAME - 05
PLOT DATE : 10/27/2021 8:03 AM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : Custom
WISDOT/CADDS SHEET 44

2

LEGEND

- TYPE II BARRICADE
- TYPE II BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH WARNING LIGHT TYPE C
- TYPE A WARNING LIGHT (FLASHING)
- SIGN ON PERMANENT SUPPORT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- TEMPORARY PEDESTRIAN SURFACE PLATE
- TEMPORARY PEDESTRIAN CURB RAMP
- PEDESTRIAN DETOUR ROUTE
- DIRECTION OF TRAFFIC

PEDESTRIAN ACCESS NOTES

1. MAINTAIN AN ADA ACCESSIBLE PEDESTRIAN ACCESS, 6-FT WIDE DESIRABLE (4-FT MINIMUM) ON EITHER THE EXISTING SIDEWALK OR A TEMPORARY SURFACE TO ALL BUSINESS AND RESIDENTIAL ENTRANCES ALONG MILITARY ROAD THROUGH THE WORK ZONE AS LONG AS POSSIBLE. IF A 4-FT WIDE PEDESTRIAN ACCESS IS NECESSARY, INSTALL PASSING ZONES AS SHOWN ON S.D.D. "TRAFFIC CONTROL, PEDESTRIAN ACCOMODATION."

2. PROVIDE PROTECTION FROM ANY DROP-OFF EXCEEDING 6-INCHES AND INSTALL A TEMPORARY PEDESTRIAN BARRICADE BETWEEN THE PEDESTRIAN ACCESS AND THE WORK ZONE.

3. WHEN REMAINING SIDEWALKS NEED TO BE REMOVED FOR REPLACEMENT, THE CONTRACTOR SHALL HAVE THE BASE COURSE MATERIAL LEVELED AND COMPACTED IN THE REMOVAL AREAS WITHIN 24 HOURS, AND THE NEW CONCRETE SIDEWALK MUST BE IN PLACE AND AVAILABLE FOR PEDESTRIAN USE WITHIN THE SAME WORK WEEK. CLOSURE OF SIDEWALK MUST BE APPROVED BY THE ENGINEER AND BE LIMITED TO ONE SIDE OF THE STREET AT A TIME TO MAINTAIN PEDESTRIAN ACCESS ALONG MILITARY ROAD (THE CONTRACTOR WILL ONLY BE ABLE TO REMOVE THE SIDEWALK ON ONE SIDE OF THE STREET AT A TIME).

4. THE CONTRACTOR SHALL COORDINATE WITH LOCAL BUSINESSES WHEN ACCESS TO THE BUSINESS WILL BE CLOSED OFF FOR SIDEWALK INSTALLATION AND ANY OTHER WORK THAT MAY IMPACT PEDESTRIAN ACCESS.

5. PROVIDE A SINGLE TEMPORARY CROSSWALK AT THE W. 9TH STREET/SUPERIOR STREET, GROVE STREET, HENNING STREET, WILKINS STREET, S. BROOKE STREET, AND WESTERN AVENUE INTERSECTIONS TO ALLOW PEDESTRIAN PASSAGE THROUGH THE MILITARY ROAD WORK ZONES AT ALL TIMES.

6. TEMPORARY CROSSWALKS SHALL BE MOVED AS NEEDED TO PROVIDE CONTINUOUS PEDESTRIAN ACCESS THROUGHOUT THE WORK ZONE.

7. SURFACE APPLIED DETECTABLE WARNING FIELDS AND 4-INCH PVC PIPE (IF NECESSARY FOR DRAINAGE) SHALL BE INCIDENTAL TO THE "TEMPORARY CURB RAMP" BID ITEM.

8. SEE S.D.D. "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION" FOR ADDITIONAL INFORMATION.

2

(INSTALL AT GROVE ST. &
SUPERIOR ST. INTERSECTION)

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

OR

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

(ADJUST BARRICADE LOCATION
WHEN OTHER MILITARY RD.
CROSSING LOCATION IS USED)

N

GROVE ST.

BLDG

BLDG

HSE

HSE

HSE

HSE

HSE

(ADJUST SIGN LOCATION
WHEN OTHER MILITARY RD.
CROSSING LOCATION IS USED)

SIDEWALK CLOSED
R9-9
24"X12"

PT 16+62.41

PT 17+32.67

(ADJUST SIGN LOCATION
WHEN OTHER MILITARY RD.
CROSSING LOCATION IS USED)

SIDEWALK CLOSED
R9-9
24"X12"

MATCH LINE STA. 16+29.88

MILITARY RD.

18

20

22

MATCH LINE STA. 22+10.00

PLACE TEMPORARY PEDESTRIAN SURFACE PLATES (TYP)
(ADJUST PLATE LOCATIONS WHEN OTHER MILITARY ROAD CROSSINGS IS USED)

HSE

SIDEWALK CLOSED
R9-9
24"X12"

HENNING ST.

HSE

HSE

GRGE

2

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	PEDESTRIAN ACCESS: STAGE 1A	SHEET 105	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\027003-DT.DWG
LAYOUT NAME - 02

PLOT DATE : 10/26/2021 5:59 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

(INSTALL AT WILKINS ST. & SUPERIOR ST. INTERSECTION)

SIDEWALK CLOSED AHEAD CROSS HERE

R9-11
24"X12"

SIDEWALK CLOSED

R9-9
24"X12"

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

WILKINS ST.

S. BROOKE ST.

MILITARY RD.

BROOKE ST. TRAIL

PLACE TEMPORARY PEDESTRIAN SURFACE PLATES (TYP)

PLACE TEMPORARY PEDESTRIAN SURFACE PLATES (TYP)

MAINTAIN PATH CROSSING AT ALL TIMES TO ALLOW PEDESTRIANS TO CROSS MILITARY ROAD

LANE CLOSED

R11-2L
48"X30"

W03-1
36"X36"

ROAD WORK AHEAD

W20-1A
36"X36"

MATCH LINE STA. 22+10.00

MATCH LINE STA. 28+23.00

HSE

BLDG

IP

PROP

24

26

28

2

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	PEDESTRIAN ACCESS: STAGE 1A	SHEET 106	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\027003-DT.DWG
LAYOUT NAME - 03

PLOT DATE : 10/26/2021 5:59 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LANE CLOSED
R11-2L
48"X30"

BROOKE ST. TRAIL

W03-1
36"X36"

ROAD WORK AHEAD
W20-1A
36"X36"

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

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

MAINTAIN CROSSING AT ALL TIMES

SIDEWALK CLOSED
R9-9
24"X12"

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

PI: 28+38.64

PI: 29+38.47

PI: 31+20.76

PI: 32+77.02

EP: 33+48.03

MATCH LINE STA. 28+23.00

30

MILITARY RD

32

PLACE TEMPORARY PEDESTRIAN SURFACE PLATES

MORRIS ST.

SIDEWALK CLOSED
R9-9
24"X12"

SIDEWALK CLOSED
R9-9
24"X12"

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

MAINTAIN TEMPORARY PEDESTRIAN BARRICADE 6-FT DESIRABLE (4-FT MINIMUM) FROM BUILDING FACE TO ALLOW FOR PEDESTRIAN ACCESS AT ALL TIMES DURING ROADWAY WORK. REMOVE AS NECESSARY TO COMPLETE NEW SIDEWALK PLACEMENT. COORDINATE WITH FIELD ENGINEER, CITY OF FOND DU LAC, AND BUSINESS OWNERS TO MINIMIZE IMPACTS TO PEDESTRIAN TRAFFIC TO FRONT ENTRANCES.

(INSTALL AT MORRIS ST. & MORRIS ST. INTERSECTION)

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

OR

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

(ADJUST BARRICADE LOCATION WHEN OTHER MILITARY RD. CROSSING LOCATION IS USED)

WESTERN AVE.

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

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

N

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	PEDESTRIAN ACCESS: STAGE 1A	SHEET 107	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\027003-DT.DWG
LAYOUT NAME - 04

PLOT DATE : 10/26/2021 5:59 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

(INSTALL AT GROVE ST. &
SUPERIOR ST. INTERSECTION)

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

OR

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

(ADJUST BARRICADE LOCATION
WHEN OTHER MILITARY RD.
CROSSING LOCATION IS USED)

N

GROVE ST.

BLDG

BLDG

HSE

HSE

HSE

HSE

HSE

HSE

SIDEWALK CLOSED
R9-9
24"X12"

SIDEWALK CLOSED
R9-9
24"X12"

PT: 16+62.41

PI: 17+32.67

IP

IP

PROP

MATCH LINE STA. 16+29.88

18

MILITARY RD.

20

22

BOOK

MATCH LINE STA. 22+10.00

PLACE TEMPORARY PEDESTRIAN SURFACE PLATES (TYP)

PLACE TEMPORARY PEDESTRIAN SURFACE PLATES (TYP)

HSE

(ADJUST SIGN LOCATION
WHEN OTHER MILITARY RD.
CROSSING LOCATION IS USED)

SIDEWALK CLOSED
R9-9
24"X12"

HENNING ST.

HSE

HSE

GRGE

(INSTALL NEAR ACCESS TO BROOKE
ST. TRAIL)

(ADJUST BARRICADE LOCATION
WHEN OTHER MILITARY RD.
CROSSING LOCATION IS USED)

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

OR

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

2

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	PEDESTRIAN ACCESS: STAGE 1B	SHEET 108	E

2

2

N

MATCH LINE STA. 22+10.00

MATCH LINE STA. 28+23.00

MILITARY RD.

WILKINS ST.

S. BROOKE ST.

BROOKE ST. TRAIL

IP

BLDG

HSE

PROP

SIDEWALK CLOSED
R9-9
24"X12"

PLACE TEMPORARY PEDESTRIAN SURFACE PLATES

MAINTAIN PATH CROSSING AT ALL TIMES UNTIL NEW PATH CROSSING IS READY

UTILIZE PERMANENT SIDEWALK AND CROSSING ONCE READY TO RECONSTRUCT EXISTING PATH CROSSING

LANE CLOSED
R11-2L
48"X30"

W21-1
36"X36"

ROAD WORK AHEAD
W20-1A
36"X36"

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	PEDESTRIAN ACCESS: STAGE 1B	SHEET 109	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\027003-DT.DWG
LAYOUT NAME - 06

PLOT DATE : 10/26/2021 5:59 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LANE CLOSED
R11-2L
48"X30"

ROAD WORK AHEAD
W20-1A
36"X36"

W03-1
36"X36"

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

OR

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

(ADJUST SIGN LOCATION WHEN OTHER MILITARY ROAD CROSSING IS USED)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

(ADJUST SIGN LOCATION WHEN OTHER MILITARY ROAD CROSSING IS USED)

SIDEWALK CLOSED
R9-9
24"X12"

SIDEWALK CLOSED
R9-9
24"X12"

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

BROOKE ST. TRAIL

MATCH LINE STA. 28+23.00

PI: 28+38.64

PI: 29+38.47

PI: 31+20.76

PI: 32+47.02

EP: 33+48.03

BORE

PROP

30

32

MILITARY RD.

BLDG

MORRIS ST.

GRGE

SIDEWALK CLOSED
R9-9
24"X12"

PLACE TEMPORARY PEDESTRIAN SURFACE PLATES

MAINTAIN TEMPORARY PEDESTRIAN BARRICADE 6-FT DESIRABLE (4-FT MINIMUM) FROM BUILDING FACE TO ALLOW FOR PEDESTRIAN ACCESS AT ALL TIMES DURING ROADWAY WORK. REMOVE AS NECESSARY TO COMPLETE NEW SIDEWALK PLACEMENT. COORDINATE WITH FIELD ENGINEER, CITY OF FOND DU LAC, AND BUSINESS OWNERS TO MINIMIZE IMPACTS TO PEDESTRIAN TRAFFIC TO FRONT ENTRANCES.

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

(INSTALL AT MORRIS ST. & MORRIS ST. INTERSECTION)

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

OR

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

(ADJUST BARRICADE LOCATION WHEN OTHER MILITARY RD. CROSSING LOCATION IS USED)

WESTERN AVE.

STA. 34+00

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	PEDESTRIAN ACCESS: STAGE 1B	SHEET 110	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\027003-DT.DWG
LAYOUT NAME - 07
PLOT DATE : 10/26/2021 5:59 PM
PLOT BY : CONNOR GIRTEN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

MAINTAIN 9TH STREET CROSSING AT ALL TIMES UNTIL NEW SIDEWALK ALONG EAST SIDE OF SUPERIOR STREET IS READY

W. 9TH ST. (WEST)

SUPERIOR ST.

SIDEWALK CLOSED
R9-9
24"X12"

PLACE TEMPORARY PEDESTRIAN SURFACE PLATES (TYP)

UTILIZE PERMANENT SIDEWALK AND CROSSING ONCE READY TO RECONSTRUCT 9TH STREET CROSSING

(INSTALL AT GROVE ST. & SUPERIOR ST. INTERSECTION)

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

OR

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

(ADJUST BARRICADE LOCATION WHEN OTHER MILITARY RD. CROSSING LOCATION IS USED)

MATCH LINE ST. 16+27.88

MILITARY RD

PC: 13+81.64

PT: 14+35.36

PC: 15+30.78

PT: 15+88.83

SIDEWALK CLOSED
R9-9
24"X12"

WALKER ST.

LIBERTY ST.

W. 9TH ST. (EAST)

HSE

BLDG

GRGE

PROP

IP

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	PEDESTRIAN ACCESS: STAGE 2A	SHEET 111	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\027003-DT.DWG
LAYOUT NAME - 08

PLOT DATE : 10/26/2021 5:59 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

HSE

HSE

IP

SUPERIOR ST.

POST

W. 9TH ST. (WEST)

PROP

HSE

GRGE

5" TILE

PROP

HSE

HSE

IP

MATCH LINE STA. 16+29.88

PLACE TEMPORARY PEDESTRIAN SURFACE PLATES (TYP)

PC: 13+81.64

PROP

PC: 15+80.89

PI: 15+30.78

PT: 14+35.36

12

MILITARY RD.

14

16

ROCK

SIDEWALK CLOSED
R9-9
24"X12"

(ADJUST BARRICADE LOCATION WHEN OTHER MILITARY RD. CROSSING LOCATION IS USED)

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

OR

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

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

MAINTAIN SIDEWALK UNTIL NEW CROSSING ON NORTH SIDE OF ROUNDABOUT IS CONSTRUCTED

BLDG

WALKER ST.

IP

MAINTAIN CROSSING

SIDEWALK CLOSED
R9-9
24"X12"

LIBERTY ST.

W. 9TH ST. (EAST)

(INSTALL AT W. 9TH ST. & CEDAR ST. INTERSECTION)

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

OR

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

(ADJUST BARRICADE LOCATION WHEN OTHER MILITARY RD. CROSSING LOCATION IS USED)

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	PEDESTRIAN ACCESS: STAGE 2B	SHEET 112	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\027003-DT.DWG
LAYOUT NAME - 09

PLOT DATE : 10/26/2021 5:59 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

PI STA = 0+81.45W9
Y = 382,646.10
X = 813,974.25

PI STA = 1+84.79W9
Y = 382647.47
X = 814077.59
DELTA = 48°11'55"
D = 114°35'30"
T = 22.37'
L = 42.06'
R = 50.00'
PC STA = 1+62.42W9
Y = 382647.18
X = 814055.22
PT STA = 2+04.49W9
Y = 382664.34
X = 814092.27
BK = N89°14'31"E
AH = N41°02'37"E

PI STA = 2+67.28W9
Y = 382,711.70
X = 814,133.50

PI STA = 19+64.86S
Y = 382,833.45
X = 814,144.76

PI STA = 20+76.64S
Y = 382725.62
X = 814115.28
DELTA = 55°50'57"
D = 57°17'45"
T = 53.00'
L = 97.48'
R = 100.00'
PC STA = 20+23.64S
Y = 382776.75
X = 814129.26
PT STA = 21+21.11S
Y = 382685.36
X = 814149.74
BK = S15°17'20"W
AH = S40°33'37"E

PI STA = 21+69.45S
Y = 382,648.64
X = 814,181.17

PI STA = 50+00.00G
Y = 383,013.10
X = 814,408.77

PI STA = 50+90.02G
Y = 383,008.65
X = 814,498.67

PI STA = 70+00.00WI
Y = 383,670.74
X = 814,863.23

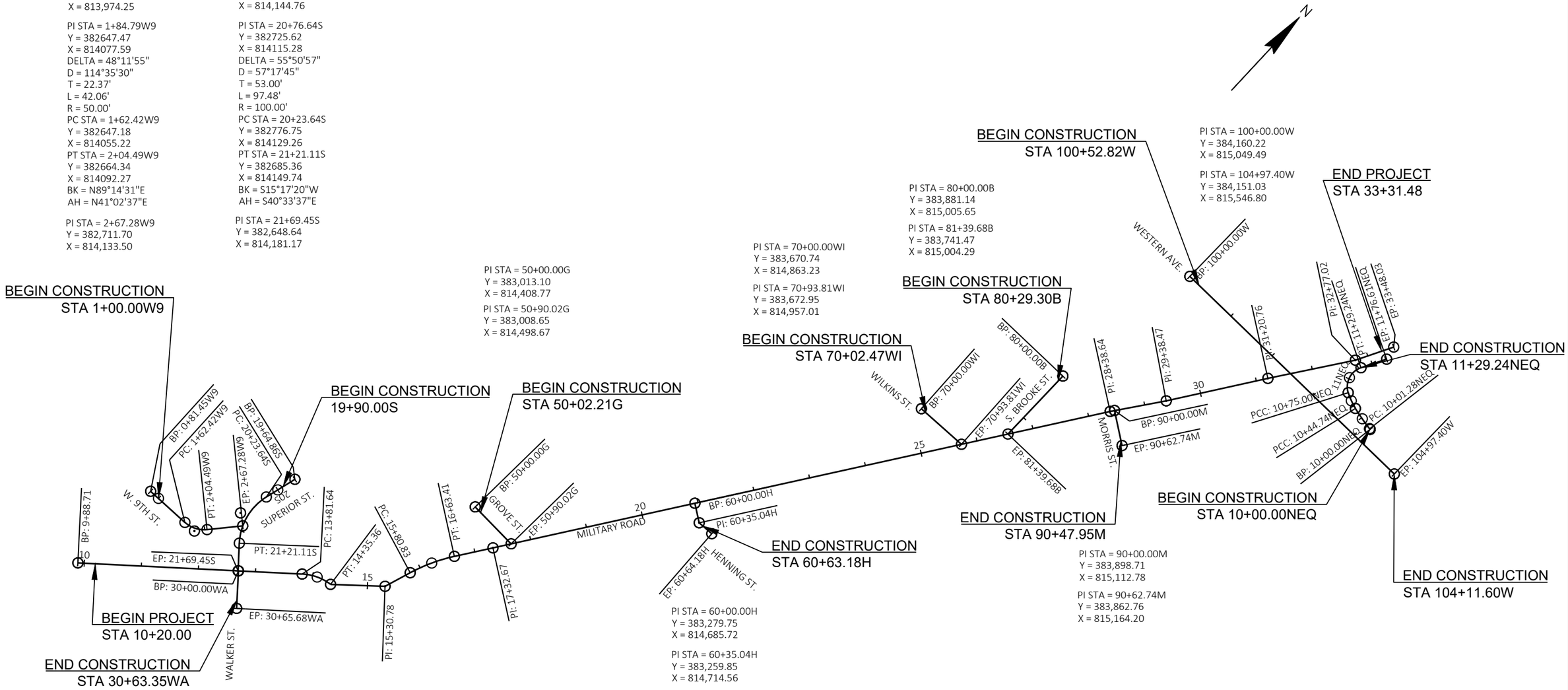
PI STA = 70+93.81WI
Y = 383,672.95
X = 814,957.01

PI STA = 80+00.00B
Y = 383,881.14
X = 815,005.65

PI STA = 81+39.68B
Y = 383,741.47
X = 815,004.29

PI STA = 100+00.00W
Y = 384,160.22
X = 815,049.49

PI STA = 104+97.40W
Y = 384,151.03
X = 815,546.80



PI STA = 30+00.00WA
Y = 382,649.00
X = 814,181.60

PI STA = 30+65.68WA
Y = 382,598.75
X = 814,223.90

PI STA = 9+88.71
Y = 382,467.74
X = 813,966.33

PI STA = 14+09.33
Y = 382738.66
X = 814288.09
DELTA = 34°11'47"
D = 63°39'43"
T = 27.68'
L = 53.72'
R = 90.00'
PC STA = 13+81.64
Y = 382720.82
X = 814266.91
PT STA = 14+35.36
Y = 382741.50
X = 814315.62
BK = N49°54'10"E
AH = N84°05'57"E

PI STA = 15+30.78
Y = 382,804.00
X = 814,387.72

PI STA = 16+22.39
Y = 382890.71
X = 814417.29
DELTA = 15°46'19"
D = 19°05'55"
T = 41.55'
L = 82.58'
R = 300.00'
PC STA = 15+80.83
Y = 382851.38
X = 814403.88
PT STA = 16+63.41
Y = 382924.91
X = 814440.89
BK = N18°49'57"E
AH = N34°36'16"E

PI STA = 17+32.67
Y = 382,981.91
X = 814,480.22

PI STA = 28+38.64
Y = 383,892.23
X = 815,108.31

PI STA = 29+38.47
Y = 383,972.66
X = 815,167.45

PI STA = 31+20.76
Y = 384,122.70
X = 815,270.97

PI STA = 32+77.02
Y = 384,250.20
X = 815,361.32

PI STA = 33+48.03
Y = 384,312.76
X = 815,394.90

PI STA = 60+00.00H
Y = 383,279.75
X = 814,685.72

PI STA = 60+35.04H
Y = 383,259.85
X = 814,714.56

PI STA = 60+64.18H
Y = 383,260.84
X = 814,743.68

PI STA = 90+00.00M
Y = 383,898.71
X = 815,112.78

PI STA = 90+62.74M
Y = 383,862.76
X = 815,164.20

PI STA = 10+00.00NEQ
Y = 384,179.24
X = 815,462.61

PI STA = 10+23.00NEQ
Y = 384182.84
X = 815439.86
DELTA = 6°13'28"
D = 14°19'26"
T = 21.75'
L = 43.46'
R = 400.00'
PC STA = 10+01.28NEQ
Y = 384179.44
X = 815461.35
PT STA = 10+44.74NEQ
Y = 384188.55
X = 815418.88
BK = N81°00'35"W
AH = N74°47'07"W

PI STA = 10+59.95NEQ
Y = 384192.54
X = 815404.20
DELTA = 14°26'54"
D = 47°44'47"
T = 15.21'
L = 30.26'
R = 120.00'
PC STA = 10+44.74NEQ
Y = 384188.55
X = 815418.88
PT STA = 10+75.00NEQ
Y = 384200.07
X = 815390.98
BK = N74°47'07"W
AH = N60°20'12"W

PI STA = 11+09.27NEQ
Y = 384217.03
X = 815361.20
DELTA = 88°47'57"
D = 163°42'08"
T = 34.27'
L = 54.24'
R = 35.00'
PC STA = 10+75.00NEQ
Y = 384200.07
X = 815390.98
PT STA = 11+29.24NEQ
Y = 384247.16
X = 815377.53
BK = N60°20'12"W
AH = N28°27'45"E

PI STA = 11+76.33NEQ
Y = 384,288.55
X = 815,399.97

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	ALIGNMENT DIAGRAM	SHEET 113	E

PI STA = 11+67.64SB
Y = 382,795.86
X = 814,148.99

PI STA = 12+36.86SB
Y = 382729.09
X = 814130.74
DELTA = 55°50'57"
D = 66°37'23"
T = 45.58'
L = 83.83'
R = 86.00'
PC STA = 11+91.28SB
Y = 382773.06
X = 814142.76
PT STA = 12+75.11SB
Y = 382694.46
X = 814160.38
BK = S15°17'20"W
AH = S40°33'37"E

PI STA = 13+08.45SB
Y = 382669.13
X = 814182.06
DELTA = 94°21'48"
D = 220°22'06"
T = 28.06'
L = 42.82'
R = 26.00'
PC STA = 12+80.39SB
Y = 382690.45
X = 814163.82
PT STA = 13+23.21SB
Y = 382688.94
X = 814201.93
BK = S40°33'37"E
AH = N45°04'35"E

PI STA = 13+23.21SB
Y = 382,688.94
X = 814,201.93

PI STA = 13+25.22SB
Y = 382,690.44
X = 814,200.60

PI STA = 14+50.53SB
Y = 382778.93
X = 814289.32
DELTA = 5°01'30"
D = 5°43'05"
T = 43.97'
L = 87.88'
R = 1002.00'
PC STA = 14+06.56SB
Y = 382747.88
X = 814258.19
PT STA = 14+94.44SB
Y = 382807.13
X = 814323.05
BK = N45°04'35"E
AH = N50°06'05"E

PI STA = 14+98.29SB
Y = 382809.60
X = 814326.01
DELTA = 8°48'12"
D = 114°35'30"
T = 3.85'
L = 7.68'
R = 50.00'
PC STA = 14+94.44SB
Y = 382807.13
X = 814323.05
PT STA = 15+02.12SB
Y = 382811.59
X = 814329.30
BK = N50°06'05"E
AH = N58°54'18"E

PI STA = 15+46.23SB
Y = 382834.37
X = 814367.08
DELTA = 36°18'18"
D = 84°15'31"
T = 22.29'
L = 43.09'
R = 68.00'
PC STA = 15+23.94SB
Y = 382822.85
X = 814347.99
PT STA = 15+67.02SB
Y = 382854.95
X = 814375.64
BK = N58°54'18"E
AH = N22°35'59"E

PI STA = 16+08.73SB
Y = 382893.33
X = 814391.98
DELTA = 13°53'08"
D = 21°27'33"
T = 32.51'
L = 64.71'
R = 267.00'
PC STA = 15+76.22SB
Y = 382863.44
X = 814379.18
PT STA = 16+40.93SB
Y = 382919.27
X = 814411.57
BK = N23°10'57"E
AH = N37°04'05"E

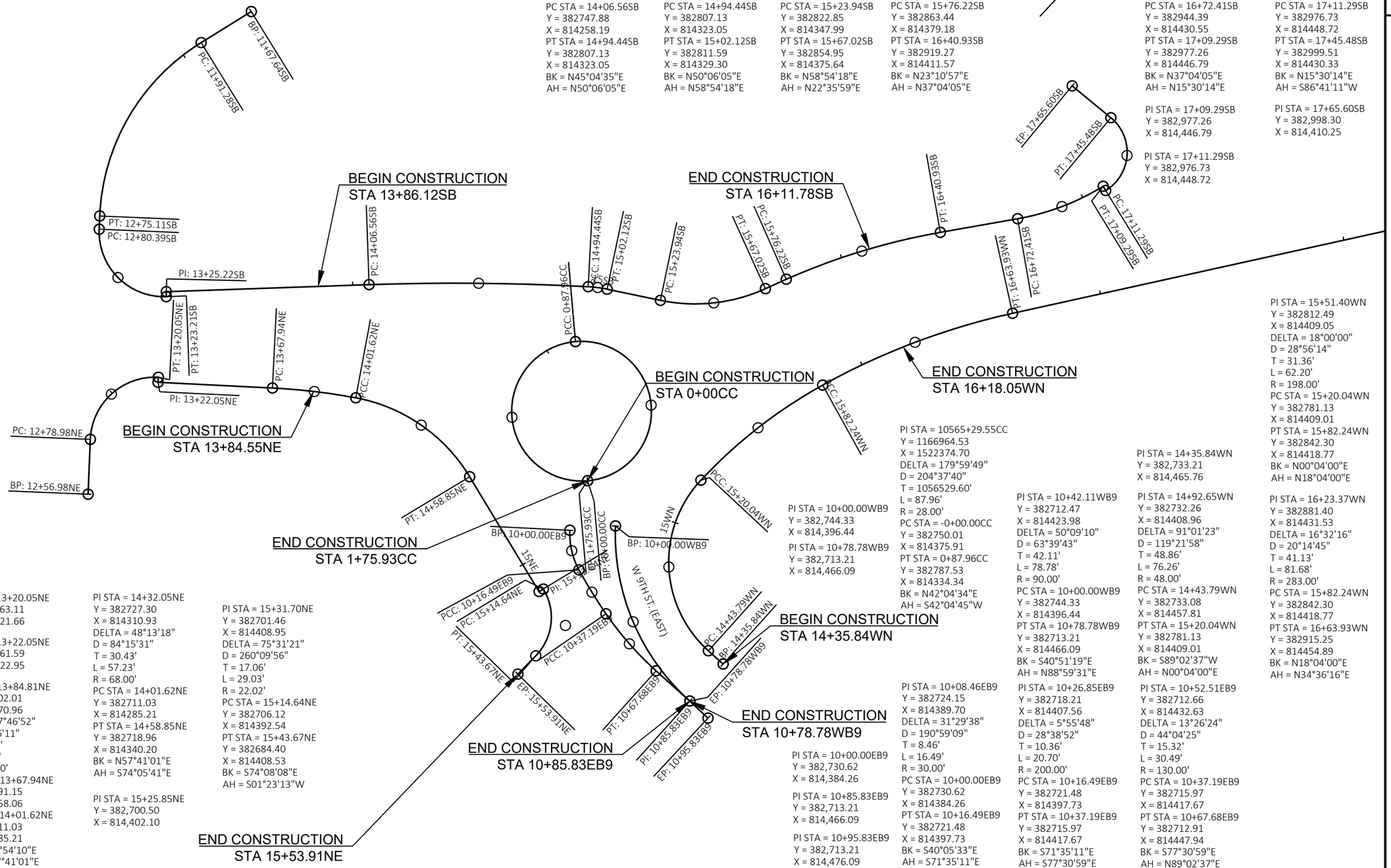
PI STA = 16+91.07SB
Y = 382959.28
X = 814441.80
DELTA = 21°33'51"
D = 58°27'54"
T = 18.66'
L = 36.88'
R = 98.00'
PC STA = 16+72.41SB
Y = 382944.39
X = 814430.55
PT STA = 17+09.29SB
Y = 382977.26
X = 814446.79
BK = N37°04'05"E
AH = N15°30'14"E

PI STA = 17+09.29SB
Y = 382,977.26
X = 814,446.79

PI STA = 17+11.29SB
Y = 382,976.73
X = 814,448.72

PI STA = 17+36.44SB
Y = 383000.96
X = 814455.44
DELTA = 108°49'04"
D = 318°18'36"
T = 25.15'
L = 34.19'
R = 18.00'
PC STA = 17+11.29SB
Y = 382976.73
X = 814448.72
PT STA = 17+45.48SB
Y = 382999.51
X = 814430.33
BK = N15°30'14"E
AH = S86°41'11"W

PI STA = 17+65.60SB
Y = 382,998.30
X = 814,410.25



PI STA = 10+00.00WB9
Y = 382,744.33
X = 814,396.44

PI STA = 10+78.78WB9
Y = 382,713.21
X = 814,466.09

PI STA = 10565+29.55CC
Y = 1166964.53
X = 1522374.70
DELTA = 179°59'49"
D = 204°37'40"
T = 1056529.60'
L = 87.96'
R = 28.00'
PC STA = -0+00.00CC
Y = 382750.01
X = 814375.91
PT STA = 0+87.96CC
Y = 382787.53
X = 814334.34
BK = N42°04'34"E
AH = S42°04'45"W

PI STA = 10+42.11WB9
Y = 382712.47
X = 814423.98
DELTA = 50°09'10"
D = 63°39'43"
T = 42.11'
L = 78.78'
R = 90.00'
PC STA = 10+00.00WB9
Y = 382744.33
X = 814396.44
PT STA = 10+78.78WB9
Y = 382713.21
X = 814466.09
BK = S40°51'19"E
AH = N88°59'31"E

PI STA = 14+35.84WN
Y = 382,733.21
X = 814,465.76

PI STA = 14+92.65WN
Y = 382732.26
X = 814408.96
DELTA = 91°01'23"
D = 119°21'58"
T = 48.86'
L = 76.26'
R = 48.00'
PC STA = 14+43.79WN
Y = 382733.08
X = 814457.81
PT STA = 15+20.04WN
Y = 382781.13
X = 814409.01
BK = S89°02'37"W
AH = N00°04'00"E

PI STA = 15+51.40WN
Y = 382812.49
X = 814409.05
DELTA = 18°00'00"
D = 28°56'14"
T = 31.36'
L = 62.20'
R = 198.00'
PC STA = 15+20.04WN
Y = 382781.13
X = 814409.01
PT STA = 15+82.24WN
Y = 382842.30
X = 814418.77
BK = N00°04'00"E
AH = N18°04'00"E

PI STA = 16+23.37WN
Y = 382881.40
X = 814431.53
DELTA = 16°32'16"
D = 20°14'45"
T = 41.13'
L = 81.68'
R = 283.00'
PC STA = 15+82.24WN
Y = 382842.30
X = 814418.77
PT STA = 16+63.93WN
Y = 382915.25
X = 814454.89
BK = N18°04'00"E
AH = N34°36'16"E

PI STA = 10+08.46EB9
Y = 382724.15
X = 814389.70
DELTA = 31°29'38"
D = 190°59'09"
T = 8.46'
L = 16.49'
R = 30.00'
PC STA = 10+00.00EB9
Y = 382730.62
X = 814384.26
PT STA = 10+16.49EB9
Y = 382721.48
X = 814397.73
BK = S40°05'33"E
AH = S71°35'11"E

PI STA = 10+26.85EB9
Y = 382718.21
X = 814407.56
DELTA = 5°55'48"
D = 28°38'52"
T = 10.36'
L = 20.70'
R = 200.00'
PC STA = 10+16.49EB9
Y = 382721.48
X = 814397.73
PT STA = 10+37.19EB9
Y = 382715.97
X = 814417.67
BK = S71°35'11"E
AH = S77°30'59"E

PI STA = 10+52.51EB9
Y = 382712.66
X = 814432.63
DELTA = 13°26'24"
D = 44°04'25"
T = 15.32'
L = 30.49'
R = 130.00'
PC STA = 10+37.19EB9
Y = 382715.97
X = 814417.67
PT STA = 10+67.68EB9
Y = 382712.91
X = 814447.94
BK = S77°30'59"E
AH = N89°02'37"E

PI STA = 10+00.00EB9
Y = 382,730.62
X = 814,384.26

PI STA = 10+85.83EB9
Y = 382,713.21
X = 814,466.09

PI STA = 10+95.83EB9
Y = 382,713.21
X = 814,476.09

PI STA = 12+56.98NE
Y = 382,609.60
X = 814,232.97

PI STA = 12+78.98NE
Y = 382,626.31
X = 814,218.66

PI STA = 13+05.21NE
Y = 382646.22
X = 814201.60
DELTA = 90°29'44"
D = 220°22'06"
T = 26.23'
L = 41.07'
R = 26.00'
PC STA = 12+78.98NE
Y = 382626.31
X = 814218.66
PT STA = 13+20.05NE
Y = 382663.11
X = 814221.66
BK = N40°35'34"W
AH = N49°54'10"E

PI STA = 13+20.05NE
Y = 382,663.11
X = 814,221.66

PI STA = 13+22.05NE
Y = 382,661.59
X = 814,222.95

PI STA = 13+84.81NE
Y = 382702.01
X = 814270.96
DELTA = 7°46'52"
D = 23°06'11"
T = 16.87'
L = 33.68'
R = 248.00'
PC STA = 13+67.94NE
Y = 382691.15
X = 814258.06
PT STA = 14+01.62NE
Y = 382711.03
X = 814285.21
BK = N49°54'10"E
AH = N57°41'01"E

PI STA = 14+32.05NE
Y = 382727.30
X = 814310.93
DELTA = 48°13'18"
D = 84°15'31"
T = 30.43'
L = 57.23'
R = 68.00'
PC STA = 14+01.62NE
Y = 382711.03
X = 814285.21
PT STA = 14+58.85NE
Y = 382718.96
X = 814340.20
BK = N57°41'01"E
AH = S74°05'41"E

PI STA = 15+25.85NE
Y = 382,700.50
X = 814,402.10

PI STA = 15+31.70NE
Y = 382701.46
X = 814408.95
DELTA = 75°31'21"
D = 260°09'56"
T = 17.06'
L = 29.03'
R = 22.02'
PC STA = 15+14.64NE
Y = 382706.12
X = 814392.54
PT STA = 15+43.67NE
Y = 382684.40
X = 814408.53
BK = S74°08'08"E
AH = S01°23'13"W

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	ALIGNMENT DIAGRAM	SHEET 114 E

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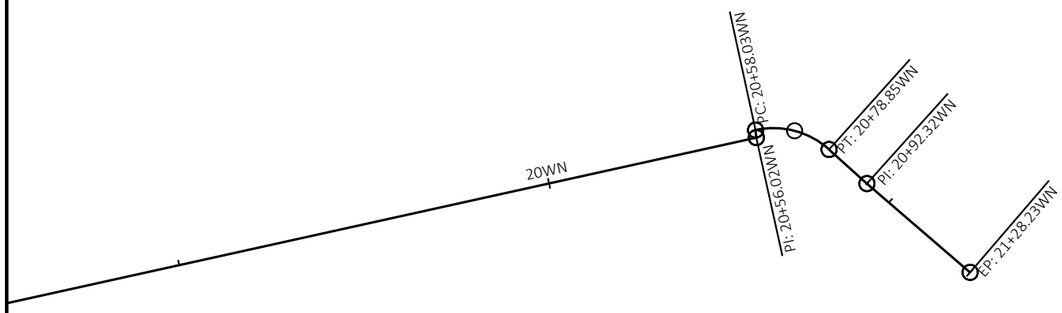
PI STA = 20+56.02WN
Y = 383,237.98
X = 814,677.56

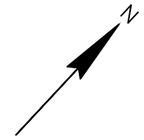
PI STA = 20+58.03WN
Y = 383,239.31
X = 814,676.04

PI STA = 20+69.30WN
Y = 383248.56
X = 814682.47
DELTA = 54°13'00"
D = 260°26'07"
T = 11.26'
L = 20.82'
R = 22.00'
PC STA = 20+58.03WN
Y = 383239.31
X = 814676.04
PT STA = 20+78.85WN
Y = 383248.76
X = 814693.73
BK = N34°47'06"E
AH = N89°00'06"E

PI STA = 20+92.32WN
Y = 383,248.99
X = 814,707.20

PI STA = 21+28.23WN
Y = 383,250.38
X = 814,743.08





PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	ALIGNMENT DIAGRAM	SHEET 115	E

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Line	Item	Item Description	Unit	Total	Qty
0002	201.0110	Clearing	SY	788.000	788.000
0004	201.0210	Grubbing	SY	796.000	796.000
0006	204.0100	Removing Concrete Pavement	SY	13,496.000	13,496.000
0008	204.0150	Removing Curb & Gutter	LF	5,726.000	5,726.000
0010	204.0155	Removing Concrete Sidewalk	SY	3,362.000	3,362.000
0012	204.0210	Removing Manholes	EACH	20.000	20.000
0014	204.0220	Removing Inlets	EACH	24.000	24.000
0016	204.0245	Removing Storm Sewer (size) 01. 8-Inch	LF	346.000	346.000
0018	204.0245	Removing Storm Sewer (size) 02. 10-Inch	LF	131.000	131.000
0020	204.0245	Removing Storm Sewer (size) 03. 12-Inch	LF	832.000	832.000
0022	204.0245	Removing Storm Sewer (size) 04. 15-Inch	LF	422.000	422.000
0024	204.0245	Removing Storm Sewer (size) 05. 18-Inch	LF	280.000	280.000
0026	204.0245	Removing Storm Sewer (size) 06. 24-Inch	LF	174.000	174.000
0028	204.0245	Removing Storm Sewer (size) 07. 36-Inch	LF	24.000	24.000
0030	204.0291.S	Abandoning Sewer	CY	1.000	1.000
0032	205.0100	Excavation Common	CY	12,348.000	12,348.000
0034	213.0100	Finishing Roadway (project) 01. 4986-00-25	EACH	1.000	1.000
0036	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	7,939.000	7,939.000
0038	305.0130	Base Aggregate Dense 3-Inch	TON	411.000	411.000
0040	310.0110	Base Aggregate Open-Graded	TON	321.000	321.000
0042	311.0110	Breaker Run	TON	9,912.000	9,912.000
0044	405.0100	Coloring Concrete WisDOT Red	CY	124.000	124.000
0046	415.0085	Concrete Pavement 8 1/2-Inch	SY	12,368.000	12,368.000
0048	415.4100	Concrete Pavement Joint Filling	SY	13,978.000	13,978.000
0050	416.0160	Concrete Driveway 6-Inch	SY	960.000	960.000
0052	416.0260	Concrete Driveway HES 6-Inch	SY	97.000	97.000
0054	416.0512	Concrete Truck Apron 12-Inch	SY	112.000	112.000
0056	455.0605	Tack Coat	GAL	98.000	98.000
0058	460.2000	Incentive Density HMA Pavement	DOL	544.000	544.000
0060	460.5223	HMA Pavement 3 LT 58-28 S	TON	193.000	193.000
0062	460.5224	HMA Pavement 4 LT 58-28 S	TON	154.000	154.000
0064	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	33.000	33.000
0066	601.0405	Concrete Curb & Gutter 18-Inch Type A	LF	110.000	110.000
0068	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	1,307.000	1,307.000
0070	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	634.000	634.000
0072	601.0452	Concrete Curb & Gutter Integral 30-Inch Type D	LF	3,835.000	3,835.000
0074	601.0580	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type R	LF	176.000	176.000
0076	601.0600	Concrete Curb Pedestrian	LF	18.000	18.000
0078	602.0405	Concrete Sidewalk 4-Inch	SF	31,707.000	31,707.000
0080	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	633.000	633.000
0082	602.0615	Curb Ramp Detectable Warning Field Radial Natural Patina	SF	15.000	15.000
0084	602.2400	Concrete Safety Islands	SF	30.000	30.000
0086	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	107.000	107.000
0088	608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	126.000	126.000
0090	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	202.000	202.000
0092	608.0336	Storm Sewer Pipe Reinforced Concrete Class III 36-Inch	LF	24.000	24.000
0094	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	1,458.000	1,458.000
0096	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	910.000	910.000
0098	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	55.000	55.000

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Line	Item	Item Description	Unit	Total	Qty
0100	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	102.000	102.000
0102	608.0436	Storm Sewer Pipe Reinforced Concrete Class IV 36-Inch	LF	143.000	143.000
0104	608.2429	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 29x45-Inch	LF	377.000	377.000
0106	611.0420	Reconstructing Manholes	EACH	1.000	1.000
0108	611.0530	Manhole Covers Type J	EACH	26.000	26.000
0110	611.0624	Inlet Covers Type H	EACH	24.000	24.000
0112	611.0639	Inlet Covers Type H-S	EACH	27.000	27.000
0114	611.1005	Catch Basins 5-FT Diameter	EACH	1.000	1.000
0116	611.1006	Catch Basins 6-FT Diameter	EACH	1.000	1.000
0118	611.2004	Manholes 4-FT Diameter	EACH	15.000	15.000
0120	611.2005	Manholes 5-FT Diameter	EACH	2.000	2.000
0122	611.2006	Manholes 6-FT Diameter	EACH	3.000	3.000
0124	611.2007	Manholes 7-FT Diameter	EACH	6.000	6.000
0126	611.2008	Manholes 8-FT Diameter	EACH	3.000	3.000
0128	611.3004	Inlets 4-FT Diameter	EACH	5.000	5.000
0130	611.3230	Inlets 2x3-FT	EACH	41.000	41.000
0132	611.8105	Adjusting Catch Basin Covers	EACH	1.000	1.000
0134	612.0106	Pipe Underdrain 6-Inch	LF	5,488.000	5,488.000
0136	618.0100	Maintenance And Repair of Haul Roads (project) 01. 4986-00-25	EACH	1.000	1.000
0138	619.1000	Mobilization	EACH	1.000	1.000
0140	620.0300	Concrete Median Sloped Nose	SF	495.000	495.000
0142	623.0200	Dust Control Surface Treatment	SY	16,834.000	16,834.000
0144	624.0100	Water	MGAL	272.200	272.200
0146	625.0500	Salvaged Topsoil	SY	5,121.000	5,121.000
0148	628.1905	Mobilizations Erosion Control	EACH	6.000	6.000
0150	628.1910	Mobilizations Emergency Erosion Control	EACH	5.000	5.000
0152	628.7010	Inlet Protection Type B	EACH	1.000	1.000
0154	628.7015	Inlet Protection Type C	EACH	73.000	73.000
0156	629.0210	Fertilizer Type B	CWT	323.300	323.300
0158	630.0140	Seeding Mixture No. 40	LB	91.700	91.700
0160	630.0500	Seed Water	MGAL	115.000	115.000
0162	634.0809	Posts Tubular Steel 2x2-Inch X 9.5-FT	EACH	2.000	2.000
0164	634.0810	Posts Tubular Steel 2x2-Inch X 10-FT	EACH	6.000	6.000
0166	634.0811	Posts Tubular Steel 2x2-Inch X 11-FT	EACH	8.000	8.000
0168	634.0812	Posts Tubular Steel 2x2-Inch X 12-FT	EACH	44.000	44.000
0170	634.0814	Posts Tubular Steel 2x2-Inch X 14-FT	EACH	18.000	18.000
0172	634.0816	Posts Tubular Steel 2x2-Inch X 16-FT	EACH	4.000	4.000
0174	637.0620	Sign Flags Permanent Type II	EACH	8.000	8.000
0176	637.2210	Signs Type II Reflective H	SF	344.750	344.750
0178	637.2220	Signs Type II Reflective SH	SF	6.630	6.630
0180	637.2230	Signs Type II Reflective F	SF	125.190	125.190
0182	638.3000	Removing Small Sign Supports	EACH	64.000	64.000
0184	642.5001	Field Office Type B	EACH	1.000	1.000
0186	643.0410	Traffic Control Barricades Type II	DAY	2,140.000	2,140.000
0188	643.0420	Traffic Control Barricades Type III	DAY	4,976.000	4,976.000
0190	643.0705	Traffic Control Warning Lights Type A	DAY	6,472.000	6,472.000
0192	643.0900	Traffic Control Signs	DAY	14,710.000	14,710.000
0194	643.1000	Traffic Control Signs Fixed Message	SF	264.000	264.000
0196	643.1050	Traffic Control Signs PCMS	DAY	21.000	21.000

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Line	Item	Item Description	Unit	Total	Qty
0198	643.5000	Traffic Control	EACH	1.000	1.000
0200	644.1410	Temporary Pedestrian Surface Asphalt	SF	453.000	453.000
0202	644.1430	Temporary Pedestrian Surface Plate	SF	576.000	576.000
0204	644.1601	Temporary Pedestrian Curb Ramp	DAY	940.000	940.000
0206	644.1810	Temporary Pedestrian Barricade	LF	115.000	115.000
0208	645.0111	Geotextile Type DF Schedule A	SY	2,750.000	2,750.000
0210	646.1020	Marking Line Epoxy 4-Inch	LF	7,564.000	7,564.000
0212	646.3020	Marking Line Epoxy 8-Inch	LF	319.000	319.000
0214	646.5020	Marking Arrow Epoxy	EACH	26.000	26.000
0216	646.5220	Marking Symbol Epoxy	EACH	21.000	21.000
0218	646.5320	Marking Railroad Crossings Epoxy	EACH	1.000	1.000
0220	646.6020	Marking Stop Line Epoxy 12-Inch	LF	116.000	116.000
0222	646.6220	Marking Yield Line Epoxy 18-Inch	EACH	10.000	10.000
0224	646.6320	Marking Dotted Extension Epoxy 18-Inch	LF	56.000	56.000
0226	646.7120	Marking Diagonal Epoxy 12-Inch	LF	34.000	34.000
0228	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	1,829.000	1,829.000
0230	646.7520	Marking Crosswalk Epoxy Block Style 24-Inch	LF	80.000	80.000
0232	646.8120	Marking Curb Epoxy	LF	39.000	39.000
0234	646.8220	Marking Island Nose Epoxy	EACH	6.000	6.000
0236	649.0150	Temporary Marking Line Removable Tape 4-Inch	LF	416.000	416.000
0238	650.4000	Construction Staking Storm Sewer	EACH	79.000	79.000
0240	650.4500	Construction Staking Subgrade	LF	2,907.000	2,907.000
0242	650.5000	Construction Staking Base	LF	421.000	421.000
0244	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	4,469.000	4,469.000
0246	650.7000	Construction Staking Concrete Pavement	LF	2,907.000	2,907.000
0248	650.8500	Construction Staking Electrical Installations (project) 01. 4986-00-25	LS	1.000	1.000
0250	650.9000	Construction Staking Curb Ramps	EACH	52.000	52.000
0252	650.9910	Construction Staking Supplemental Control (project) 01. 4986-00-25	LS	1.000	1.000
0254	650.9920	Construction Staking Slope Stakes	LF	3,220.000	3,220.000
0256	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	6,458.000	6,458.000
0258	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	127.000	127.000
0260	652.0325	Conduit Rigid Nonmetallic Schedule 80 2-Inch	LF	1,685.000	1,685.000
0262	652.0335	Conduit Rigid Nonmetallic Schedule 80 3-Inch	LF	716.000	716.000
0264	652.0800	Conduit Loop Detector	LF	1,388.000	1,388.000
0266	653.0140	Pull Boxes Steel 24x42-Inch	EACH	11.000	11.000
0268	653.0164	Pull Boxes Non-Conductive 24x42-Inch	EACH	30.000	30.000
0270	654.0101	Concrete Bases Type 1	EACH	3.000	3.000
0272	654.0102	Concrete Bases Type 2	EACH	4.000	4.000
0274	654.0105	Concrete Bases Type 5	EACH	4.000	4.000
0276	654.0217	Concrete Control Cabinet Bases Type 9 Special	EACH	1.000	1.000
0278	654.0230	Concrete Control Cabinet Bases Type L30	EACH	1.000	1.000
0280	655.0210	Cable Traffic Signal 3-14 AWG	LF	192.000	192.000
0282	655.0240	Cable Traffic Signal 7-14 AWG	LF	332.000	332.000
0284	655.0270	Cable Traffic Signal 15-14 AWG	LF	1,791.000	1,791.000
0286	655.0305	Cable Type UF 2-12 AWG Grounded	LF	779.000	779.000
0288	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	2,267.000	2,267.000
0290	655.0610	Electrical Wire Lighting 12 AWG	LF	6,277.000	6,277.000
0292	655.0625	Electrical Wire Lighting 6 AWG	LF	16,584.000	16,584.000
0294	655.0700	Loop Detector Lead In Cable	LF	2,172.000	2,172.000

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Line	Item	Item Description	Unit	Total	Qty
0296	655.0800	Loop Detector Wire	LF	3,820.000	3,820.000
0298	656.0200	Electrical Service Meter Breaker Pedestal (location) 01. Military Rd & Western Ave	LS	1.000	1.000
0300	656.0200	Electrical Service Meter Breaker Pedestal (location) 02. STA. 1+51'C'	LS	1.000	1.000
0302	657.0100	Pedestal Bases	EACH	3.000	3.000
0304	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	8.000	8.000
0306	657.0305	Poles Type 2	EACH	4.000	4.000
0308	657.0322	Poles Type 5-Aluminum	EACH	4.000	4.000
0310	657.0420	Traffic Signal Standards Aluminum 13-FT	EACH	2.000	2.000
0312	657.0430	Traffic Signal Standards Aluminum 10-FT	EACH	1.000	1.000
0314	657.0590	Trombone Arms 20-FT	EACH	4.000	4.000
0316	657.0610	Luminaire Arms Single Member 4 1/2-Inch Clamp 6-FT	EACH	4.000	4.000
0318	658.0173	Traffic Signal Face 3S 12-Inch	EACH	12.000	12.000
0320	658.0416	Pedestrian Signal Face 16-Inch	EACH	8.000	8.000
0322	658.5069	Signal Mounting Hardware (location) 01. Military Rd & Western Ave	LS	1.000	1.000
0324	659.2130	Lighting Control Cabinets 120/240 30-Inch	EACH	1.000	1.000
0326	670.0100	Field System Integrator	LS	1.000	1.000
0328	678.0500	Communication System Testing	LS	1.000	1.000
0330	690.0150	Sawing Asphalt	LF	919.000	919.000
0332	690.0250	Sawing Concrete	LF	823.000	823.000
0334	715.0720	Incentive Compressive Strength Concrete Pavement	DOL	3,710.000	3,710.000
0336	740.0440	Incentive IRI Ride	DOL	2,202.000	2,202.000
0338	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,000.000	2,000.000
0340	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	1,320.000	1,320.000
0342	SPV.0060	Special 01. Remove Ex. Sanitary Manhole	EACH	14.000	14.000
0344	SPV.0060	Special 02. Remove Ex. Water Valve Box	EACH	24.000	24.000
0346	SPV.0060	Special 03. Remove Ex. Hydrant	EACH	4.000	4.000
0348	SPV.0060	Special 04. Adjust Ex. Valve Box	EACH	2.000	2.000
0350	SPV.0060	Special 05. Adjust Ex. Curb Stop Box	EACH	2.000	2.000
0352	SPV.0060	Special 06. Sanitary Manhole 4-FT Diameter	EACH	15.000	15.000
0354	SPV.0060	Special 07. Sanitary Manhole 5-FT Diameter	EACH	1.000	1.000
0356	SPV.0060	Special 08. Sanitary Manhole 8-FT Diameter	EACH	1.000	1.000
0358	SPV.0060	Special 09. Adjust Existing Sanitary Manhole	EACH	4.000	4.000
0360	SPV.0060	Special 10. Sanitary Sewer Plug 12-Inch	EACH	1.000	1.000
0362	SPV.0060	Special 11. Connect To Existing Sanitary Sewer (All Sizes Except 27-Inch)	EACH	9.000	9.000
0364	SPV.0060	Special 12. Connect To Existing 27-Inch Sanitary Sewer	EACH	2.000	2.000
0366	SPV.0060	Special 13. Water Valve & Box 4-Inch	EACH	2.000	2.000
0368	SPV.0060	Special 14. Water Valve & Box 6-Inch	EACH	10.000	10.000
0370	SPV.0060	Special 15. Water Valve & Box 8-Inch	EACH	7.000	7.000
0372	SPV.0060	Special 16. Water Valve & Box 10-Inch	EACH	3.000	3.000
0374	SPV.0060	Special 17. Water Valve & Box 12-Inch	EACH	8.000	8.000
0376	SPV.0060	Special 18. Fire Hydrant	EACH	6.000	6.000
0378	SPV.0060	Special 19. Cross 12"X6"	EACH	1.000	1.000
0380	SPV.0060	Special 20. Cross 12"X10"	EACH	1.000	1.000
0382	SPV.0060	Special 21. Tees 6"X6"X6"	EACH	3.000	3.000
0384	SPV.0060	Special 22. Tees 8"X6"X8"	EACH	3.000	3.000
0386	SPV.0060	Special 23. Tees 10"X8"X10"	EACH	1.000	1.000
0388	SPV.0060	Special 24. Tees 10"X10"X10"	EACH	1.000	1.000
0390	SPV.0060	Special 25. Tees 12"X4"X12"	EACH	2.000	2.000
0392	SPV.0060	Special 26. Tees 12"X6"X12"	EACH	3.000	3.000

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Line	Item	Item Description	Unit	Total	Qty
0394	SPV.0060	Special 27. Tees 12"X8"X12"	EACH	3.000	3.000
0396	SPV.0060	Special 28. Tees 12"X12"X12"	EACH	3.000	3.000
0398	SPV.0060	Special 29. Bend 45-Degree 4-Inch	EACH	2.000	2.000
0400	SPV.0060	Special 30. Bend 22.5-Degree 6-Inch	EACH	3.000	3.000
0402	SPV.0060	Special 31. Bend 45-Degree 6-Inch	EACH	5.000	5.000
0404	SPV.0060	Special 32. Bend 90-Degree 6-Inch	EACH	2.000	2.000
0406	SPV.0060	Special 33. Bend 45-Degree 8-Inch	EACH	6.000	6.000
0408	SPV.0060	Special 34. Bend 90-Degree 8-Inch	EACH	1.000	1.000
0410	SPV.0060	Special 35. Bend 45-Degree 10-Inch	EACH	4.000	4.000
0412	SPV.0060	Special 36. Bend 90-Degree 10-Inch	EACH	1.000	1.000
0414	SPV.0060	Special 37. Bend 11.25-Degree 12-Inch	EACH	1.000	1.000
0416	SPV.0060	Special 38. Bend 45-Degree 12-Inch	EACH	4.000	4.000
0418	SPV.0060	Special 39. Bend 90-Degree 12-Inch	EACH	1.000	1.000
0420	SPV.0060	Special 40. Reducer 12"X8"	EACH	2.000	2.000
0422	SPV.0060	Special 41. Plug 6-Inch	EACH	2.000	2.000
0424	SPV.0060	Special 42. Plug 10-Inch	EACH	2.000	2.000
0426	SPV.0060	Special 43. Plug 12-Inch	EACH	1.000	1.000
0428	SPV.0060	Special 44. Connect To Existing 4-Inch Watermain	EACH	1.000	1.000
0430	SPV.0060	Special 45. Connect to Existing 6-Inch Watermain	EACH	5.000	5.000
0432	SPV.0060	Special 46. Connect to Existing 8-Inch Watermain	EACH	6.000	6.000
0434	SPV.0060	Special 47. Connect to Existing 10-Inch Watermain	EACH	1.000	1.000
0436	SPV.0060	Special 48. Connect to Existing 12-Inch Watermain	EACH	2.000	2.000
0438	SPV.0060	Special 49. Sacrificial Anode Bag	EACH	8.000	8.000
0440	SPV.0060	Special 50. Corporation, Curb Stop, Box, Saddle & Union 1-1/4 Inch	EACH	17.000	17.000
0442	SPV.0060	Special 51. Corporation, Curb Stop, Box, Saddle & Union 1-1/2 Inch	EACH	1.000	1.000
0444	SPV.0060	Special 52. Traffic Signal Control Cabinet and Controller	EACH	1.000	1.000
0446	SPV.0060	Special 53. Audible-Tactile Pedestrian Push Button Unit	EACH	8.000	8.000
0448	SPV.0060	Special 54. Ornamental Street Light	EACH	16.000	16.000
0450	SPV.0060	Special 55. Cobra Head Street Light	EACH	5.000	5.000
0452	SPV.0060	Special 56. Fiber Optic Access Box	EACH	10.000	10.000
0454	SPV.0060	Special 57. Cobra Head Street Light - Fixture Only	EACH	4.000	4.000
0456	SPV.0060	Special 58. Management of Petroleum Contaminated Water	EACH	1.000	1.000
0458	SPV.0060	Special 59. Salvage and Reinstall Flashing Light	EACH	2.000	2.000
0460	SPV.0060	Special 60. Remove and Salvage Signs	EACH	78.000	78.000
0462	SPV.0060	Special 61. Remove, Salvage & Reinstall GPS Preemption Detector (Military Road & Western	EACH	1.000	1.000
0464	SPV.0060	Special 62. Remove & Salvage Traffic Signal Equipment (Military Road & 9th St)	EACH	1.000	1.000
0466	SPV.0060	Special 63. Remove & Salvage Traffic Signal Equipment (Military Road & Western Ave)	EACH	1.000	1.000
0468	SPV.0060	Special 64. Temporary Water Service Project 4986-00-25	EACH	1.000	1.000
0470	SPV.0060	Special 65. Bypass Pumping 27-Inch Sanitary Interceptor Project 4986-00-25	EACH	1.000	1.000
0472	SPV.0085	Special 01. Low Maintenance Seed Mix	LB	1.610	1.610
0474	SPV.0090	Special 01. Sanitary Lateral 6-Inch	LF	1,445.000	1,445.000
0476	SPV.0090	Special 02. Polyethylene Water Service 1-1/4 Inch (C.T.S.)	LF	565.000	565.000
0478	SPV.0090	Special 03. Polyethylene Water Service 1-1/2 Inch (C.T.S.)	LF	35.000	35.000
0480	SPV.0090	Special 04. Sanitary Sewer Pipe 8-Inch	LF	2,480.000	2,480.000
0482	SPV.0090	Special 05. Sanitary Sewer Pipe 10-Inch	LF	30.000	30.000
0484	SPV.0090	Special 06. Sanitary Sewer Pipe 12-Inch	LF	175.000	175.000
0486	SPV.0090	Special 07. Sanitary Sewer Pipe 27-Inch	LF	210.000	210.000
0488	SPV.0090	Special 08. PVC Water Main 4-Inch	LF	90.000	90.000

4986-00-25

Line	Item	Item Description	Unit	Total	Qty
0490	SPV.0090	Special 09. PVC Water Main 6-Inch	LF	385.000	385.000
0492	SPV.0090	Special 10. PVC Water Main 8-Inch	LF	305.000	305.000
0494	SPV.0090	Special 11. PVC Water Main 10-Inch	LF	365.000	365.000
0496	SPV.0090	Special 12. PVC Water Main 12-Inch	LF	2,220.000	2,220.000
0498	SPV.0090	Special 13. Temporary 2-Inch Blow Off	LF	2.000	2.000
0500	SPV.0090	Special 14. Concrete Curb and Gutter 4-Inch Sloped 30-Inch Type A Modified	LF	329.000	329.000
0502	SPV.0090	Special 15. Storm Sewer Laterals	LF	362.000	362.000
0504	SPV.0090	Special 16. Sawing Curb Head	LF	9.000	9.000
0506	SPV.0165	Special 01. Insulation Board 2-Inch	SF	1,550.000	1,550.000
0508	SPV.0180	Special 01. Hydro Mulch	SY	5,138.000	5,138.000
0510	SPV.0195	Special 01. Contaminated Soil Management	TON	300.000	300.000

CLEARING AND GRUBBING

CATEGORY	STATION	TO	STATION	LOCATION	201.0110 CLEARING SY	201.0210 GRUBBING SY
0010	20+10S	-	20+60S	LT & RT	85	85
0010	11+30	-	11+40	RT	---	8
0010	14+50	-	14+60	RT	12	12
0010	15+60	-	22+60	LT & RT	623	623
0010	24+10	-	25+10	RT	54	54
0010	31+80	-	32+05	LT	14	14
				TOTAL 0010	788	796

REMOVING SIDEWALK

CATEGORY	STATION	TO	STATION	LOCATION	204.0155 REMOVING CONCRETE SIDEWALK SY
0010	10+46	-	11+56	LT	103
0010	10+46	-	12+51	RT	128
0010	1+02W9	-	1+20W9	LT	19
0010	1+17W9	-	1+68W9	RT	62
0010	20+00S	-	21+00S	RT	97
0010	20+00S	-	20+89S	LT	60
0010	12+86	-	17+22	LT	231
0010	12+88	-	14+45	RT	182
0010	15+14	-	15+30	RT	52
0010	10+60EB9	-	10+76EB9	RT	14
0010	15+08	-	20+78	RT	313
0010	17+62	-	25+25	LT	579
0010	21+06	-	28+20	RT	417
0010	25+64	-	27+34	LT	104
0010	27+51	-	30+93	LT	334
0010	28+70	-	31+41	RT	188
0010	100+85W	-	101+58W	RT	46
0010	100+85W	-	102+28W	LT	92
0010	102+55W	-	104+11W	RT	126
0010	31+66	-	33+34	LT	100
0010	32+10	-	32+40	RT	24
0010	10+01NEQ	-	11+76NEQ	RT	91
				TOTAL 0010	3,362

REMOVING CURB AND GUTTER

CATEGORY	STATION	TO	STATION	LOCATION	204.0150 REMOVING CURB & GUTTER LF
0010	10+47	-	11+63	LT	130
0010	10+47	-	12+54	RT	222
0010	1+00W9	-	1+69W9	RT	76
0010	1+00W9	-	2+57W9	LT	150
0010	20+00S	-	20+68S	RT	78
0010	20+00S	-	21+43S	LT	180
0010	11+85	-	12+25	LT	90
0010	13+14	-	17+24	LT	426
0010	12+84	-	14+63	RT	218
0010	10+00EB9	-	10+35EB9	RT	63
0010	10+00WB9	-	10+79WB9	LT	62
0010	10+60EB9	-	10+86EB9	RT	50
0010	15+07	-	20+80	RT	627
0010	17+40	-	25+25	LT	845
0010	21+05	-	28+27	RT	773
0010	25+40	-	27+34	LT	231
0010	27+49	-	30+95	LT	385
0010	28+65	-	31+52	RT	306
0010	100+84W	-	101+61W	RT	76
0010	100+84W	-	102+11W	LT	126
0010	102+68W	-	104+12W	RT	143
0010	103+30W	-	104+12W	LT	117
0010	31+56	-	33+33	LT	178
0010	32+07	-	32+42	ISLAND	128
0010	32+83	-	33+29	RT	46
				TOTAL 0010	5,726

REMOVING CONCRETE PAVEMENT

CATEGORY	STATION	TO	STATION	LOCATION	204.0100 REMOVING CONCRETE PAVEMENT SY	REMARKS
0010	10+20	-	14+25		2,617	
0010	14+25	-	30+79		8,348	
0010	30+79	-	33+32		2,482	
0010	20+21S	-	20+38S	LT	5	DRIVEWAY
0010	15+07	-	15+55	LT	9	DRIVEWAY
0010	18+05	-	18+25	LT	12	DRIVEWAY
0010	18+91	-	19+03	LT	7	DRIVEWAY
0010	103+78W	-	104+05W	RT	16	DRIVEWAY
				TOTAL 0010	13,496	

REMOVING INLETS

CATEGORY	STATION	LOCATION	204.0210 REMOVING MANHOLES EACH	204.0220 REMOVING INLETS EACH
0010	11+23	LT	1	---
0010	12+00	RT	---	1
0010	2+03W9	RT	1	---
0010	2+11W9	LT	1	---
0010	12+93	LT	1	---
0010	13+06	LT	---	1
0010	13+76	LT	---	1
0010	14+04	RT	---	1
0010	10+06EB9	RT	---	1
0010	10+39EB9	LT	1	---
0010	10+44EB9	LT	---	1
0010	16+98	LT	---	1
0010	17+32	LT	1	---
0010	17+42	RT	---	1
0010	50+10G	RT	1	---
0010	50+12G	RT	---	1
0010	50+49G	LT	---	1
0010	20+50	RT	---	1
0010	20+84	RT	1	---
0010	20+96	LT	1	---
0010	22+14	RT	---	1
0010	22+17	LT	---	1
0010	22+17	LT	1	---
0010	24+88	RT	---	1
0010	24+94	LT	1	---
0010	24+95	LT	---	1
0010	70+26WI	RT	1	---
0010	25+44	LT	1	---
0010	70+36WI	LT	---	1
0010	30+55	RT	1	---
0010	30+78	LT	---	1
0010	31+30	RT	---	1
0010	31+49	RT	1	---
0010	31+66	LT	1	---
0010	31+75	RT	1	---
0010	100+65W	LT	1	---
0010	101+50W	LT	---	1
0010	101+51W	LT	1	---
0010	101+57W	RT	---	1
0010	102+72W	RT	---	1
0010	31+30	RT	---	1
0010	31+77	LT	---	1
0010	33+06	LT	---	1
0010	33+17	RT	1	---
		TOTAL 0010	20	24

REMOVING STORM SEWER

CATEGORY	STATION	TO	STATION	LOCATION	204.0245.01 REMOVING STORM SEWER (SIZE) (01. 8-INCH) LF	204.0245.02 REMOVING STORM SEWER (SIZE) (02. 10-INCH) LF	204.0245.03 REMOVING STORM SEWER (SIZE) (03. 12-INCH) LF	204.0245.04 REMOVING STORM SEWER (SIZE) (04. 15-INCH) LF	204.0245.05 REMOVING STORM SEWER (SIZE) (05. 18-INCH) LF	204.0245.06 REMOVING STORM SEWER (SIZE) (06. 24-INCH) LF	204.0245.07 REMOVING STORM SEWER (SIZE) (07. 36-INCH) LF	204.0291.S ABANDONING SEWER CY
0010	10+25	-	11+22	LT	---	---	---	98	---	---	---	---
0010	11+22	-	12+00	RT	---	81	---	---	---	---	---	---
0010	11+22	-	12+10	LT	---	---	---	107	---	---	---	---
0010	2+03W9	-	2+10W9	LT	---	---	---	---	10	---	---	---
0010	20+05S	-	21+04S	RT	---	---	---	---	127	---	---	---
0010	21+09S	-	21+54S	CROSS	---	---	97	---	---	---	---	---
0010	12+93	-	13+06	LT	---	21	---	---	---	---	---	---
0010	13+76	-	14+04	CROSS	---	---	---	---	---	47	---	---
0010	14+04	-	10+06EB9	RT	---	---	---	---	---	86	---	---
0010	10+06EB9	-	10+39EB9	RT	---	---	---	---	---	41	---	---
0010	10+39EB9	-	10+64EB9	LT	---	---	---	---	---	---	24	---
0010	10+39EB9	-	10+44EB9	LT	---	---	27	---	---	---	---	---
0010	16+98	-	17+33	LT	34	---	---	---	---	---	---	---
0010	17+33	-	17+42	CROSS	43	---	---	---	---	---	---	---
0010	17+11	-	17+33	LT	38	---	---	---	---	---	---	---
0010	17+33	-	17+56	LT	29	---	---	---	---	---	---	---
0010	50+10G	-	50+13G	RT	---	---	6	---	---	---	---	---
0010	20+51	-	20+84	RT	34	---	---	---	---	---	---	---
0010	20+84	-	20+96	CROSS	---	29	---	---	---	---	---	---
0010	20+96	-	22+17	LT	---	---	121	---	---	---	---	---
0010	22+17	-	22+17	LT	6	---	---	---	---	---	---	---
0010	22+17	-	22+13	CROSS	34	---	---	---	---	---	---	---
0010	22+17	-	24+94	LT	---	---	277	---	---	---	---	---
0010	24+94	-	24+88	CROSS	33	---	---	---	---	---	---	---
0010	24+94	-	24+95	LT	8	---	---	---	---	---	---	---
0010	24+94	-	25+44	LT	---	---	51	---	---	---	---	---
0010	70+27WI	-	70+58WI	RT	---	---	---	31	---	---	---	---
0010	70+27WI	-	70+36WI	CROSS	23	---	---	---	---	---	---	---
0010	30+55	-	30+78	CROSS	64	---	---	---	---	---	---	---
0010	30+55	-	30+74	RT	---	---	---	---	---	---	---	1
0010	31+00	-	31+30	RT	---	---	---	35	---	---	---	---
0010	31+30	-	31+49	RT	---	---	---	20	---	---	---	---
0010	31+49	-	31+75	RT	---	---	---	29	---	---	---	---
0010	102+57W	-	103+60W	LT	---	---	---	102	---	---	---	---
0010	31+75	-	31+66	CROSS	---	---	20	---	---	---	---	---
0010	31+66	-	31+77	LT	---	---	18	---	---	---	---	---
0010	101+00W	-	101+51W	LT	---	---	86	---	---	---	---	---
0010	101+51W	-	101+56W	CROSS	---	---	35	---	---	---	---	---
0010	101+51W	-	101+49W	LT	---	---	9	---	---	---	---	---
0010	101+51W	-	102+37W	LT	---	---	49	---	---	---	---	---
0010	31+75	-	33+17	RT	---	---	---	---	143	---	---	---
0010	33+17	-	33+06	CROSS	---	---	36	---	---	---	---	---
				TOTAL 0010	346	131	832	422	280	174	24	1

DIVISION	FROM/TO STATION	205.0100 COMMON EXCAVATION (1) CUT (2)	205.0100 COMMON EXCAVATION (1) EBS EXCAVATION (3)	SALVAGED/UNUSABLE PAVEMENT MATERIAL (4)	AVAILABLE MATERIAL (5)	UNEXPANDED FILL	EXPANDED FILL (13) FACTOR 1.25	MASS ORDINATE +/- (14)	WASTE	COMMENT
DIVISION 1										
MILITARY ROAD	10+46.43 - 33+29.11	7,979	0	0	7,979	30	38	7,942	7,942	
W. 9TH STREET WEST	1+00'W9W' - 2+46.57'W9W'	287	0	0	287	7	9	278	278	
SUPERIOR STREET	20+00'S' - 21+26.4'S'	371	0	0	371	3	4	367	367	
ROUNDABOUT CIRCLE	0+00'CC' - 1+75'CC'	506	0	0	506	114	143	364	364	
ROUNDABOUT EB TO NB CURB	13+84.91'NE' - 15+25.85'NE'	257	0	0	257	0	0	257	257	
ROUNDABOUT WB TO NB CURB	14+35.84'WN' - 16+14.32'WN'	398	0	0	398	0	0	398	398	
ROUNDABOUT SB CURB	13+87.78'SB' - 16+07.79'SB'	455	0	0	455	2	3	453	453	
S. BROOKE STREET	80+29.30'B' -81+23.25'B'	324	0	0	324	0	0	324	324	
WESTERN AVENUE	100+84.91'W' - 104+11.43'W'	1,092	0	41	1,051	0	0	1,051	1,051	
WESTERN AVENUE NE BYPASS	10+01.29'NEQ' - 11+29.24'NEQ'	222	0	0	222	11	14	208	208	
UNDISTRIBUTED EBS			457							
DIVISION 1 SUBTOTAL		11,891	457	41	11,850	167	209	11,641	11,641	
GRAND TOTAL		11,891	457	41	11,850	167	209	11,641	11,641	
TOTAL COMMON EXC		12,348								

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 BREAKER RUN.
(4) SALVAGED/UNUSABLE PAVEMENT MATERIAL
5) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUABLE PAVEMENT MATERIAL
(13) EXPANDED FILL FACTOR = 1.25
(14) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.

BASE AGGREGATE DENSE

CATEGORY	STATION	TO	STATION	LOCATION	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	305.0130 BASE AGGREGATE DENSE 3-INCH TON	311.0110 BREAKER RUN TON	623.0200 DUST CONTROL SURFACE TREATMENT SY	* 624.0100 WATER MGAL	650.5000 CONSTRUCTION STAKING BASE LF	REMARKS
0010	10+20	-	10+89	MILITARY ROAD	168	---	178	297	5.2	69	
0010	10+89	-	33+31	MILITARY ROAD	3,529	---	6,326	10,565	147.9	---	
0010	19+90 'S'	-	21+51 'S'	SUPERIOR ST.	290	166	129	676	8.8	113	
0010	30+17 'WA'	-	30+43 'WA'	WALKER ST.	274	---	135	223	6.2	20	
0010	---	-	---	WALKER ST.	3	---	---	---	---		FOR TEMPORARY PEDESTRIAN SURFACE ASHPALT STAGE 2B
0010	1+00 'W9'	-	2+52 'W9'	W. 9TH ST. WEST	280	245	---	661	7.9	152	
0010	14+35 'WN'	-	14+45 'WN'	W. 9TH ST. EAST	187	---	311	520	7.5	---	
0010	50+19 'G'	-	50+50 'G'	GROVE ST.	269	---	150	250	6.3	20	
0010	17+00	-	18+00	LT & RT	3	---	---	---	---	---	FOR TEMPORARY PEDESTRIAN SURFACE ASHPALT STAGE 1A/2A
0010	60+17 'H'	-	60+38 'H'	HENNING ST.	262	---	102	105	5.5	27	
0010	70+19 'WI'	-	70+50 'WI'	WILKINS ST.	253	---	154	255	6.1	20	
0010	23+00	-	23+20	LT & RT	1	---	---	---	---	---	FOR TEMPORARY PEDESTRIAN SURFACE ASHPALT STAGE 1A/2A
0010	81+05 'B'	-	80+29 'B'	S. BROOKE STREET	148	---	248	1,064	9.7	---	
0010	---	-	---	S. BROOKE STREET	2	---	---	---	---	---	FOR TEMPORARY PEDESTRIAN SURFACE ASHPALT STAGE 1A/2A
0010	90+18 'M'	-	90+48'M'	MORRIS ST.	77	---	127	212	3.1	---	
0010	100+85 'W'	-	102+15 'W'	WESTERN AVENUE	266	---	445	744	10.7	---	
0010	102+63 'W'	-	104+11 'W'	WESTERN AVENUE	442	---	755	1,262	18.0	---	
0010	100+48 'W'	-	104+56 'W'	LT & RT	2	---	---	---	---	---	FOR TEMPORARY PEDESTRIAN SURFACE ASHPALT STAGE 1A
0010	33+50	-	33+60	LT & RT	1	---	---	---	---	---	FOR TEMPORARY PEDESTRIAN SURFACE ASHPALT STAGE 1A
0010	10+89	-	33+31	EBS	---	---	852	---	---	---	
				TOTAL 0010	6,456	411	9,912	16,834	242.9	421	

*ADDITIONAL BASE AND WATER QUANITITES LISTED WITH DRIVEWAY AND SIDEWALK ITEMS

TRUCK APRON AND CROSSWALK ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	405.0100 COLORING CONCRETE WISDOT RED CY	416.0512 CONCRETE TRUCK APRON 12-INCH SY
0010	0+00CC	-	1+75CC	RAB	38	112
				TOTAL 0010	38	112
0020	12+39	-	12+45	CROSSWALK	6	---
0020	12+94	-	13+00	CROSSWALK	7	---
0020	13+97	-	14+09	CROSSWALK	8	---
0020	14+71	-	15+21	CROSSWALK	8	---
0020	15+52	-	15+65	CROSSWALK	8	---
0020	17+08	-	17+15	CROSSWALK	7	---
0020	21+10	-	21+15	CROSSWALK	7	---
0020	25+71	-	25+78	CROSSWALK	7	---
0020	27+89	-	27+99	CROSSWALK	9	---
0020	31+06	-	31+13	CROSSWALK	10	---
0020	31+89	-	31+97	CROSSWALK	9	---
				TOTAL 0020	86	0
				PROJECT TOTAL	124	112

DRIVEWAY ITEMS

CATEGORY	STATION	LOCATION	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	416.0160 CONCRETE DRIVEWAY 6-INCH SY	416.0260 CONCRETE DRIVEWAY HES 6-INCH SY	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	* 624.0100 WATER MGAL
0010	10+89	LT	23	58	---	2	0.7
0010	11+12	RT	21	40	---	4	0.7
0010	1+11W9	LT	8	25	---	---	0.3
0010	1+35W9	RT	18	48	---	2	0.6
0010	20+18S	RT	8	23	---	1	0.3
0010	20+30S	LT	9	27	---	---	0.3
0010	13+75	RT	25	74	---	---	0.8
0010	14+16	LT	14	16	---	---	0.5
0010	15+45	LT	16	48	---	---	0.5
0010	18+14	LT	13	37	---	---	0.4
0010	18+19	RT	7	20	---	1	0.3
0010	18+98	LT	7	22	---	---	0.3
0010	19+53	LT	10	28	---	1	0.4
0010	20+67	LT	6	16	---	1	0.2
0010	21+40	LT	20	48	---	3	0.7
0010	22+57	LT	13	33	---	---	0.4
0010	22+70	RT	9	24	---	1	0.3
0010	23+57	RT	10	28	---	1	0.4
0010	23+78	LT	15	36	---	2	0.5
0010	24+34	RT	5	15	---	---	0.2
0010	29+11	LT	61	167	---	3	1.9
0010	29+14	RT	5	11	---	1	0.2
0010	30+24	LT	15	35	---	2	0.5
0010	101+50W	LT	13	22	---	3	0.4
0010	103+92W	RT	12	21	---	3	0.4
0010	32+48	LT	15	38	---	2	0.5
0010		UNDISTRIBUTED	---	---	97	---	---
		TOTAL 0010	379	960	97	33	12.7

*ADDITIONAL QUANITITES LISTED ELSEWHERE

CONCRETE PAVEMENT

CATEGORY	STATION	TO	STATION	LOCATION	415.0085 CONCRETE PAVEMENT 8 1/2-INCH SY	415.4100 CONCRETE PAVEMENT JOINT FILLING SY	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.7000 CONSTRUCTION STAKING CONCRETE PAVEMENT LF
0010	10+89	-	33+31	MILITARY ROAD	9,176	10,412	2,242	2,242
0010	21+03S	-	21+53S	SUPERIOR STREET	188	211	50	50
0010	30+15WA	-	30+43WA	WALKER STREET	121	144	28	28
0010	10+00EB9	-	10+86EB9	WEST 9TH STREET (EAST)	423	465	95	95
0010	50+22G	-	50+63G	GROVE STREET	143	171	41	41
0010	60+15H	-	60+35H	HENNING STREET	75	92	20	20
0010	70+22WI	-	70+67WI	WILKINS STREET	147	179	45	45
0010	80+29B	-	81+04B	S. BROOKE STREET	367	408	75	75
0010	90+16M	-	90+48M	MORRIS STREET	167	193	32	32
0010	100+84W	-	102+15W	WESTERN AVENUE	611	643	131	131
0010	102+63W	-	104+11W	WESTERN AVENUE	950	1,060	148	148
				TOTAL 0010	12,368	13,978	2,907	2,907

HMA PAVEMENT

CATEGORY	STATION	TO	STATION	LOCATION	INCHES	455.0605 TACK COAT GAL	460.5223 HMA PAVEMENT 3 LT 58-28 S TON	460.5224 HMA PAVEMENT 4 LT 58-28 S TON	REMARKS
0010	10+20	-	10+89	MILITARY RD.	2.50	---	36	---	LOWER LAYER
0010	10+20	-	10+89	MILITARY RD.	2.00	18	---	29	UPPER LAYER
0010	1+00W9	-	2+52W9	W. 9TH ST. WEST	2.50	---	71	---	LOWER LAYER
0010	1+00W9	-	2+52W9	W. 9TH ST. WEST	2.00	36	---	57	UPPER LAYER
0010	19+90S	-	21+26S	SUPERIOR ST.	2.50	---	50	---	LOWER LAYER
0010	19+90S	-	21+26S	SUPERIOR ST.	2.00	25	---	40	UPPER LAYER
0010	30+43WA	-	30+63WA	WALKER ST.	2.50	---	9	---	LOWER LAYER
0010	30+43WA	-	30+63WA	WALKER ST.	2.00	5	---	7	UPPER LAYER
0010	50+02G	-	50+22G	GROVE ST.	2.50	---	9	---	LOWER LAYER
0010	50+02G	-	50+22G	GROVE ST.	2.00	5	---	7	UPPER LAYER
0010	60+35H	-	60+63H	HENNING ST.	2.50	---	10	---	LOWER LAYER
0010	60+35H	-	60+63H	HENNING ST.	2.00	5	---	8	UPPER LAYER
0010	70+02WI	-	70+22WI	WILKINS ST.	2.50	---	8	---	LOWER LAYER
0010	70+02WI	-	70+22WI	WILKINS ST.	2.00	4	---	6	UPPER LAYER
				TOTAL 0010		98	193	154	

CURB AND GUTTER

CATEGORY	STATION	TO	STATION	LOCATION	601.0405 CONCRETE CURB & GUTTER 18-INCH TYPE A LF	601.0409 CONCRETE CURB & GUTTER 30-INCH TYPE A LF	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	601.0452 CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D LF	601.0580 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF	SPV.0090.14 SPECIAL (14. CONCRETE CURB AND GUTTER 4-INCH SLOPED 30-INCH TYPE A MODIFIED) LF	REMARKS
0010	10+46	-	10+89	LT	---	---	43	---	---	43	---	
0010	10+46	-	10+89	RT	---	---	43	---	---	43	---	
0010	10+89	-	12+29	LT	---	---	---	141	---	141	---	
0010	10+89	-	12+30	RT	---	---	---	141	---	141	---	
0010	1+00W9	-	2+62W9	LT	---	---	151	---	---	151	---	
0010	1+00W9	-	2+42W9	RT	---	---	169	---	---	169	---	
0010	20+00S	-	20+75S	RT	---	---	83	---	---	83	---	
0010	20+00S	-	21+26S	LT	---	---	111	---	---	111	---	
0010	21+26S	-	21+54S	RT	---	40	----	---	---	---	---	
0010	21+26S	-	21+52S	LT	---	40	----	---	---	---	---	
0010	30+15WA	-	30+43WA	RT	---	40	----	---	---	---	---	
0010	30+15WA	-	30+43WA	LT	---	40	----	---	---	---	---	
0010	13+11	-	17+10	LT	---	---	---	384	---	384	---	
0010	13+10	-	14+68	RT	---	---	---	191	---	191	---	
0010	13+81	-	14+31	LT	---	---	---	---	---	---	116	SPLITTER ISLAND
0010	10+16EB9	-	10+36EB9	RT	---	37	---	---	---	---	---	
0010	10+60EB9	-	10+86EB9	RT	---	50	---	---	---	---	---	
0010	0+00CC	-	1+75CC	RAB INNER	110	---	---	---	---	---	---	
0010	0+00CC	-	1+75CC	RAB OUTER	---	---	---	---	176	---	---	
0010	10+00EB9	-	10+32EB9	LT	---	---	---	---	---	---	58	SPLITTER ISLAND
0010	10+00WB9	-	10+79WB9	LT	---	---	---	62	---	62	---	
0010	15+22	-	20+56	RT	---	---	---	558	---	558	---	
0010	15+34	-	16+10	LT	---	---	---	---	---	---	155	SPLITTER ISLAND
0010	50+08G	-	50+22G	RT	---	---	14	---	---	14	---	
0010	50+22G	-	50+40G	RT	---	30	----	---	---	---	---	
0010	50+22G	-	50+75G	LT	---	55	----	---	---	---	---	
0010	17+75	-	25+07	LT	---	---	---	731	---	731	---	
0010	60+17H	-	60+35H	RT	---	32	---	---	---	---	---	
0010	60+17H	-	60+63H	LT	---	44	---	---	---	---	---	
0010	21+16	-	27+99	RT	---	---	---	682	---	682	---	
0010	70+02WI	-	70+22WI	RT	---	---	20	----	---	20	---	
0010	70+22WI	-	70+04WI	RT	---	56	---	---	---	---	---	
0010	70+22WI	-	70+79WI	LT	---	58	---	---	---	---	---	
0010	25+80	-	26+46	LT	---	---	---	66	---	66	---	
0010	80+29B	-	81+36B	RT	---	---	---	106	---	106	---	
0010	80+29B	-	80+34B	LT	---	---	---	5	---	5	---	
0010	80+34B	-	80+49B	LT	---	33	---	---	---	---	---	
0010	27+62	-	30+73	LT	---	---	---	311	---	311	---	
0010	90+15M	-	90+47M	RT	---	47	---	---	---	---	---	
0010	90+17M	-	90+47M	LT	---	44	---	---	---	---	---	
0010	28+94	-	31+24	RT	---	---	---	230	---	230	---	
0010	100+85W	-	101+78W	RT	---	115	---	---	---	---	---	
0010	100+85W	-	102+34	LT	---	152	---	---	---	---	---	
0010	102+36W	-	104+11W	RT	---	178	---	---	---	---	---	
0010	102+84W	-	103+35W	LT	---	92	---	---	---	---	---	ISLAND
0010	10+01NEQ	-	11+29NEQ	RT	---	124	---	---	---	---	---	
0010	31+79	-	33+34	LT	---	---	---	151	---	151	---	
0010	32+01	-	32+30	RT	---	---	---	29	---	29	---	ISLAND
0010	32+82	-	33+29	RT	---	---	---	47	---	47	---	
				TOTAL 0010	110	1,307	634	3,835	176	4,469	329	

3

CONCRETE SIDEWALK

CATEGORY	STATION	TO	STATION	LOCATION	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	601.0600 CONCRETE CURB PEDESTRIAN LF	602.0405 CONCRETE SIDEWALK 4-INCH SF	602.0515 CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA SF	602.0615 CURB RAMP DETECTABLE WARNING FIELD RADIAL NATURAL PATINA SF	602.2400 CONCRETE SAFETY ISLANDS SF	620.0300 CONCRETE MEDIAN SLOPED NOSE SF	* 624.0100 WATER MGAL	650.9000 CONSTRUCTION STAKING CURB RAMPS EACH
0010	10+46	-	12+52	RT	39	---	1,025	20	---	---	---	0.6	2
0010	10+46	-	12+45	LT	37	---	1,013	10	---	---	---	0.6	1
0010	1+02W9	-	1+20W9	LT	2	---	16	---	---	---	---	0.1	---
0010	1+15W9	-	1+62W9	RT	5	---	67	---	---	---	---	0.1	---
0010	1+91W9	-	2+45W9	LT	12	---	301	---	---	---	---	0.2	---
0010	20+00S	-	20+86S	RT	19	---	497	10	---	---	---	0.3	1
0010	20+00S	-	21+42S	LT	23	---	529	10	---	---	---	0.4	1
0010	21+13S	-	21+42S	RT	7	---	190	20	---	---	---	0.2	2
0010	12+88	-	14+72	RT	62	7	2,057	68	---	---	---	1.0	5
0010	10+60WB9	-	10+72WB9	RT	4	11	99	10	---	---	---	0.1	1
0010	10+89EB9	-	11+05EB9	LT	2	---	41	---	---	---	---	0.1	---
0010	12+94	-	17+20	LT	93	---	3,206	72	---	---	---	1.4	5
0010	13+74	-	13+81	LT	---	---	---	---	---	---	55	---	---
0010	13+81	-	14+30	SPLITTER ISLAND	20	---	391	---	---	---	---	---	---
0010	14+02	-	14+10	LT	2	---	67	32	---	---	---	0.1	2
0010	14+26	-	14+43	LT	---	---	---	---	---	---	22	---	---
0010	14+29	-	14+35	LT	---	---	---	---	---	---	22	---	---
0010	10+00EB9	-	10+05EB9	LT	---	---	---	---	---	---	17	---	---
0010	10+00WB9	-	10+05WB9	RT	---	---	---	---	---	---	18	---	---
0010	10+03EB9	-	10+32EB9	SPLITTER ISLAND	9	---	180	---	---	---	---	---	---
0010	10+18EB9	-	10+29EB9	LT	2	---	71	32	---	---	---	0.1	2
0010	10+32EB9	-	10+39EB9	LT	---	---	---	---	---	---	67	---	---
0010	15+31	-	15+37	LT	---	---	---	---	---	---	21	---	---
0010	15+34	-	15+40	LT	---	---	---	---	---	---	20	---	---
0010	15+52	-	15+61	LT	2	---	61	32	---	---	---	0.1	2
0010	15+20	-	20+78	RT	135	---	4,063	55	---	---	---	2.1	4
0010	15+35	-	16+10	SPLITTER ISLAND	21	---	422	---	---	---	---	---	---
0010	16+10	-	16+15	LT	---	---	---	---	---	---	39	---	---
0010	17+62	-	25+22	LT	128	---	3,309	30	---	---	---	2.0	3
0010	21+07	-	28+22	RT	150	---	4,305	60	---	---	---	2.3	5
0010	25+63	-	26+64	LT	21	---	602	38	---	---	---	0.4	3
0010	80+29B	-	81+27B	RT	17	---	512	---	---	---	---	0.3	---
0010	80+64B	-	80+78B	ISLAND	---	---	---	---	---	30	38	---	---
0010	27+50	-	30+89	LT	57	---	1,456	40	---	---	---	0.9	3
0010	28+73	-	31+41	RT	58	---	1,847	20	---	---	---	0.9	2
0010	100+84W	-	101+71W	RT	19	---	638	10	---	---	---	0.3	1
0010	100+84W	-	102+16W	LT	18	---	714	12	---	---	---	0.3	1
0010	102+54W	-	104+11W	RT	23	---	911	12	---	---	---	0.4	1
0010	102+73W	-	102+85W	LT	---	---	---	---	---	---	63	---	---
0010	10+01NEQ	-	11+00NEQ	RT	24	---	784	---	---	---	---	0.4	---
0010	102+82W	-	103+37W	ISLAND	41	---	812	---	---	---	---	---	---
0010	103+35W	-	103+44W	LT	---	---	---	---	---	---	77	---	---
0010	32+02	-	32+33	RT	8	---	215	30	---	---	---	0.2	3
0010	32+30	-	32+37	RT	---	---	---	---	---	---	36	---	---
0010	31+62	-	33+34	LT	25	---	735	---	15	---	---	0.4	1
0010	32+59	-	33+29	RT	19	---	571	10	---	---	---	0.3	1
				TOTAL 0010	1,104	18	31,707	633	15	30	495	16.6	52

*ADDITIONAL QUANITITES LISTED ELSEWHERE

STORM SEWER PIPE

CATEGORY	STRUCTURE	TO	STRUCTURE	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	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0415 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	608.0436 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 36-INCH LF	608.2429 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 29X45-INCH LF
0010	1.0	-	2.0	---	---	---	---	---	---	---	---	---	100
0010	2.0	-	3.0	---	---	---	---	---	---	---	---	---	34
0010	3.0	-	4.0	---	---	---	---	---	---	---	---	---	92
0010	4.0	-	5.0	---	---	---	---	---	---	---	---	---	15
0010	5.0	-	6.0	---	---	---	---	---	---	---	---	---	52
0010	6.0	-	6.1	---	---	---	---	---	---	55	---	---	---
0010	3.0	-	3.1	---	---	---	---	65	---	---	---	---	---
0010	3.0	-	3.2	---	---	---	---	26	---	---	---	---	---
0010	3.2	-	3.3	---	---	---	---	27	---	---	---	---	---
0010	3.3	-	3.4	---	---	---	---	63	---	---	---	---	---
0010	4.0	-	4.1	---	---	---	---	33	---	---	---	---	---
0010	4.1	-	4.2	---	---	---	---	8	---	---	---	---	---
0010	7.0	-	7.1	---	---	---	24	---	---	---	---	---	---
0010	7.0	-	7.7	16	---	---	---	---	---	---	---	---	---
0010	7.1	-	7.2	---	---	108	---	---	---	---	---	---	---
0010	7.2	-	7.3	---	---	62	---	---	---	---	---	---	---
0010	7.3	-	7.4	---	---	32	---	---	---	---	---	---	---
0010	7.4	-	7.5	26	---	---	---	---	---	---	---	---	---
0010	7.2	-	7.6	57	---	---	---	---	---	---	---	---	---
0010	7.1	-	7.8	---	92	---	---	---	---	---	---	---	---
0010	7.8	-	7.9	---	---	---	---	83	---	---	---	---	---
0010	7.9	-	7.10	---	---	---	---	69	---	---	---	---	---
0010	7.9	-	7.11	---	---	---	---	30	---	---	---	---	---
0010	7.10	-	7.12	---	---	---	---	10	---	---	---	---	---
0010	7.10	-	7.13	---	---	---	---	27	---	---	---	---	---
0010	8.0	-	8.1	---	---	---	---	10	---	---	---	---	---
0010	8.1	-	8.2	---	---	---	---	8	---	---	---	---	---
0010	8.2	-	8.3	---	---	---	---	31	---	---	---	---	---
0010	8.3	-	8.4	---	---	---	---	8	---	---	---	---	---
0010	9.0	-	9.01	---	---	---	---	21	---	---	---	---	---
0010	9.01	-	9.02	---	---	---	---	8	---	---	---	---	---
0010	9.0	-	9.03	---	---	---	---	8	---	---	---	---	---
0010	9.03	-	9.04	---	---	---	---	8	---	---	---	---	---
0010	9.0	-	9.1	---	---	---	---	---	55	---	---	---	---
0010	9.1	-	9.8	---	---	---	---	---	58	---	---	---	---
0010	9.1	-	9.2	---	---	---	---	---	27	---	---	---	---
0010	9.2	-	9.21	---	---	---	---	11	---	---	---	---	---
0010	9.21	-	9.23	---	---	---	---	20	---	---	---	---	---
0010	9.2	-	9.22	---	---	---	---	29	---	---	---	---	---
0010	9.2	-	9.4	---	---	---	---	---	294	---	---	---	---
0010	9.4	-	9.41	---	---	---	---	11	---	---	---	---	---
0010	9.4	-	9.42	---	---	---	---	29	---	---	---	---	---
0010	9.42		9.43	---	---	---	---	8	---	---	---	---	---
0010	9.4	-	9.5	---	---	---	---	---	98	---	---	---	---
0010	9.5	-	9.51	---	---	---	---	30	---	---	---	---	---
0010	9.51	-	9.52	---	---	---	---	31	---	---	---	---	---
0010	9.5	-	9.6	---	---	---	---	---	80	---	---	---	---
0010	9.6	-	9.61	---	---	---	---	11	---	---	---	---	---
0010	9.6	-	9.62	---	---	---	---	29	---	---	---	---	---
0010	9.6	-	9.7	---	---	---	---	---	186	---	---	---	---
0010	9.7	-	9.71	---	---	---	---	11	---	---	---	---	---
0010	9.7	-	9.72	---	---	---	---	29	---	---	---	---	---
0010	9.8	-	9.81	---	---	---	---	11	---	---	---	---	---
0010	9.8	-	9.82	---	---	---	---	29	---	---	---	---	---
0010	10.0	-	10.1	---	---	---	---	29	---	---	---	---	---

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STORM SEWER PIPE

CATEGORY	STRUCTURE	TO	STRUCTURE	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	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0415 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	608.0436 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 36-INCH LF	608.2429 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 29X45-INCH LF
0010	10.0	-	10.3	---	---	---	---	198	---	---	---	---	---
0010	10.0	-	11.3	---	---	---	---	102	---	---	---	---	---
0010	10.3	-	10.4	---	---	---	---	11	---	---	---	---	---
0010	10.3	-	10.5	---	---	---	---	22	---	---	---	---	---
0010	11.0	-	11.1	---	---	---	---	---	29	---	---	---	---
0010	11.0	-	11.2	---	---	---	---	48	---	---	---	---	---
0010	11.0	-	11.3	---	---	---	---	10	---	---	---	---	---
0010	11.1	-	12.0	---	---	---	---	---	---	---	---	---	84
0010	12.0	-	12.1	---	---	---	---	---	83	---	---	---	---
0010	12.1	-	12.2	---	---	---	---	110	---	---	---	---	---
0010	12.1	-	12.3	---	---	---	---	35	---	---	---	---	---
0010	12.1	-	12.4	---	---	---	---	11	---	---	---	---	---
0010	12.4	-	12.8	---	---	---	---	15	---	---	---	---	---
0010	12.0	-	12.6	---	---	---	---	---	---	---	102	---	---
0010	12.6	-	12.7	---	---	---	---	35	---	---	---	---	---
0010	12.0	-	13.0	---	---	---	---	---	---	---	---	13	---
0010	13.0	-	14.0	---	---	---	---	---	---	---	---	130	---
0010	14.0	-	13.1	8	---	---	---	---	---	---	---	---	---
0010	14.0	-	13.2	---	34	---	---	---	---	---	---	---	---
TOTAL 0010				107	126	202	24	1,458	910	55	102	143	377

STORM SEWER STRUCTURES

CATEGORY	STRUCTURE NO.	STATION	LOCATION	GRATE/RIM ELEV.	TOP OF STRUCTURE ELEV.	INVERT ELEV.	STRUCTURE DEPTH	611.0420 RECONSTRUCTING MANHOLES EACH	611.1005 CATCH BASINS 5-FT DIAMETER EACH	611.1006 CATCH BASINS 6-FT DIAMETER EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2007 MANHOLES 7-FT DIAMETER EACH	611.2008 MANHOLES 8-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH	611.8105 ADJUSTING CATCH BASIN COVERS EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH
0010	1.0	20+05.00S	6.63' RT	765.02	763.77	755.68	8.09	---	---	---	---	---	---	---	1	---	---	---	1
0010	2.0	20+89.72S	33.36' RT	764.82	763.82	759.88	3.94	---	---	---	---	---	---	1	---	---	---	---	1
0010	3.0	2+06.81W9	0.00' RT	765.66	764.41	759.95	4.46	---	---	---	---	---	---	---	1	---	---	---	1
0010	3.1	1+35.96W9	17.66' LT	765.22	764.22	761.80	2.42	---	---	---	---	---	---	---	---	---	1	---	1
0010	3.2	2+28.91W9	13.59' RT	764.91	763.91	761.50	2.41	---	---	---	---	---	---	---	---	1	---	---	1
0010	3.3	21+31.85S	15.78' RT	765.16	764.16	761.64	2.52	---	---	---	---	---	---	---	---	1	---	---	1
0010	3.4	13+13.27	19.13' LT	765.37	764.37	761.95	2.42	---	---	---	---	---	---	---	---	---	1	---	1
0010	4.0	11+38.38	16.50' LT	764.64	763.64	760.41	3.23	---	---	---	---	---	---	---	1	---	---	---	1
0010	4.1	11+38.38	16.50' RT	764.64	763.64	761.18	2.46	---	---	---	---	---	---	---	---	---	1	---	1
0010	4.2	11+30.38	16.50' RT	764.64	763.64	761.22	2.42	---	---	---	---	---	---	---	---	---	1	---	1
0010	5.0	11+23.88	16.50' LT	764.66	763.66	760.44	3.22	---	---	---	---	---	---	1	---	---	---	---	1
0010	6.0	10+78.71	10.00' RT	765.09	763.84	760.54	3.30	---	---	---	---	---	---	1	---	---	---	---	1
0010	6.1	10+24.92	2.87' LT	765.41	---	760.89	---	1	---	---	---	---	---	---	---	---	---	---	1
0010	7.0	10+63.82EB9	4.99' LT	764.30	763.05	755.45	7.60	---	---	---	---	---	1	---	---	---	---	---	1
0010	7.1	10+39.46EB9	0.01' LT	764.42	763.17	755.52	7.65	---	---	---	---	---	1	---	---	---	---	---	1
0010	7.2	14+28.58	19.42' RT	764.71	763.71	756.88	6.83	---	---	1	---	---	---	---	---	---	---	---	1
0010	7.3	13+55.00	20.12' RT	766.09	764.84	757.13	7.71	---	---	---	---	1	---	---	---	---	---	---	1
0010	7.4	13+28.15	38.21' RT	765.24	---	757.26	---	---	---	---	---	---	---	---	---	---	---	1	1
0010	7.5	13+13.23	16.50' RT	765.43	764.43	758.39	6.04	---	---	---	---	---	---	---	---	---	1	---	1
0010	7.6	14+09.11	33.38' LT	764.72	763.72	759.21	4.51	---	---	---	---	---	---	---	---	---	1	---	1
0010	7.7	10+66.45EB9	20.82' LT	763.88	762.88	758.77	4.11	---	---	---	---	---	---	---	---	---	1	---	1
0010	7.8	15+40.63	20.39' RT	764.39	763.39	758.54	4.85	---	---	---	---	---	---	---	---	1	---	---	1
0010	7.9	16+24.08	6.56' RT	764.33	763.08	759.21	3.87	---	---	---	1	---	---	---	---	---	---	---	1
0010	7.10	16+94.07	6.69' RT	763.98	762.73	759.58	3.15	---	---	---	1	---	---	---	---	---	---	---	1
0010	7.11	16+22.49	23.44' LT	763.91	762.91	759.51	3.40	---	---	---	---	---	---	---	---	---	1	---	1

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STORM SEWER STRUCTURES

CATEGORY	STRUCTURE NO.	STATION	LOCATION	GRATE/RIM ELEV.	TOP OF STRUCTURE ELEV.	INVERT ELEV.	STRUCTURE DEPTH	611.0420 RECONSTRUCTING MANHOLES EACH	611.1005 CATCH BASINS 5-FT DIAMETER EACH	611.1006 CATCH BASINS 6-FT DIAMETER EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2007 MANHOLES 7-FT DIAMETER EACH	611.2008 MANHOLES 8-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH	611.8105 ADJUSTING CATCH BASIN COVERS EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH
0010	7.12	16+94.36	16.50' RT	763.69	762.69	759.63	3.06	---	---	---	---	---	---	---	---	---	1	---	1
0010	7.13	16+93.26	20.21' LT	763.55	762.55	759.72	2.83	---	---	---	---	---	---	---	---	---	1	---	1
0010	8.0	50+10.24G	9.30' RT	763.46	762.21	759.84	2.37	---	---	---	1	---	---	---	---	---	---	---	1
0010	8.1	50+19.27G	14.34' RT	763.07	762.07	759.65	2.42	---	---	---	---	---	---	---	---	---	1	---	1
0010	8.2	50+27.30G	14.21' RT	763.05	762.05	759.63	2.42	---	---	---	---	---	---	---	---	---	1	---	1
0010	8.3	50+40.88G	13.99' LT	762.96	761.96	759.54	2.42	---	---	---	---	---	---	---	---	---	1	---	1
0010	8.4	50+48.91G	14.26' LT	762.90	761.90	759.48	2.42	---	---	---	---	---	---	---	---	---	1	---	1
0010	9.0	70+27.30WI	7.45' RT	760.30	759.05	752.69	6.36	---	---	---	---	---	1	---	---	---	---	---	1
0010	9.01	70+25.61WI	13.09' LT	760.21	759.21	756.79	2.42	---	---	---	---	---	---	---	---	---	1	---	1
0010	9.02	70+33.61WI	13.09' LT	760.26	759.26	756.84	2.42	---	---	---	---	---	---	---	---	---	1	---	1
0010	9.03	70+21.22WI	13.12' RT	759.96	758.96	756.54	2.42	---	---	---	---	---	---	---	---	---	1	---	1
0010	9.04	70+13.22WI	13.30' RT	760.06	759.06	756.64	2.42	---	---	---	---	---	---	---	---	---	1	---	1
0010	9.1	25+27.15	5.50' RT	760.61	759.36	756.87	2.49	---	---	---	1	---	---	---	---	---	---	---	1
0010	9.2	25+00.00	5.50' RT	760.56	759.31	756.96	2.35	---	---	---	1	---	---	---	---	---	---	---	1
0010	9.21	25+00.00	16.50' RT	760.25	759.25	756.83	2.42	---	---	---	---	---	---	---	---	---	1	---	1
0010	9.22	25+00.00	23.50' LT	760.11	759.11	756.69	2.42	---	---	---	---	---	---	---	---	---	1	---	1
0010	9.23	25+20.49	16.50' RT	760.26	759.26	756.84	2.42	---	---	---	---	---	---	---	---	---	1	---	1
0010	9.4	22+05.55	5.50' RT	761.51	760.26	757.93	2.33	---	---	---	1	---	---	---	---	---	---	---	1
0010	9.41	22+05.55	16.50' RT	761.09	760.09	757.67	2.42	---	---	---	---	---	---	---	---	---	1	---	1
0010	9.42	22+05.55	23.50' LT	761.06	760.06	757.64	2.42	---	---	---	---	---	---	---	---	---	1	---	1
0010	9.43	21+97.55	23.50' LT	761.07	760.07	757.65	2.42	---	---	---	---	---	---	---	---	---	1	---	1
0010	9.5	21+07.97	5.60' RT	761.93	760.68	758.26	2.42	---	---	---	1	---	---	---	---	---	---	---	1
0010	9.51	60+44.01H	11.84' LT	761.24	760.24	757.90	2.34	---	---	---	---	---	---	---	---	1	---	---	1
0010	9.52	60+33.72H	15.98' RT	761.49	760.49	758.15	2.34	---	---	---	---	---	---	---	---	1	---	---	1
0010	9.6	20+28.31	5.50' RT	762.33	761.08	758.52	2.56	---	---	---	1	---	---	---	---	---	---	---	1
0010	9.61	20+28.31	16.50' RT	761.99	760.99	758.57	2.42	---	---	---	---	---	---	---	---	---	1	---	1
0010	9.62	20+28.31	23.50' LT	761.88	760.88	758.46	2.42	---	---	---	---	---	---	---	---	---	1	---	1
0010	9.7	18+42.00	5.50' RT	763.27	762.02	759.13	2.89	---	---	---	1	---	---	---	---	---	---	---	1
0010	9.71	18+42.00	16.50' RT	762.96	761.96	759.44	2.52	---	---	---	---	---	---	---	---	---	1	---	1
0010	9.72	18+42.00	23.50' LT	762.82	761.82	759.40	2.42	---	---	---	---	---	---	---	---	---	1	---	1
0010	9.8	25+84.92	5.50' RT	761.52	760.27	757.56	2.71	---	---	---	1	---	---	---	---	---	---	---	1
0010	9.81	25+84.92	16.50' RT	761.21	760.21	757.46	2.75	---	---	---	---	---	---	---	---	---	1	---	1
0010	9.82	25+84.92	23.50' LT	760.82	759.82	757.40	2.42	---	---	---	---	---	---	---	---	---	1	---	1
0010	10.0	29+78.14	5.50' RT	758.22	756.97	753.65	3.32	---	---	---	1	---	---	---	---	---	---	---	1
0010	10.1	29+78.14	23.70' LT	758.06	757.06	753.94	3.12	---	---	---	---	---	---	---	---	---	1	---	1
0010	10.3	27+80.00	5.43' RT	761.46	760.21	756.55	3.66	---	---	---	1	---	---	---	---	---	---	---	1
0010	10.4	27+80.00	16.50' RT	760.98	759.98	756.60	3.38	---	---	---	---	---	---	---	---	---	1	---	1
0010	10.5	27+80.00	16.50' LT	761.20	760.20	756.66	3.54	---	---	---	---	---	---	---	---	---	1	---	1
0010	11.0	30+90.00	16.50' RT	756.51	755.51	751.71	3.80	---	1	---	---	---	---	---	---	---	---	---	1
0010	11.1	30+99.71	43.58' RT	757.29	756.04	749.94	6.10	---	---	---	---	---	---	1	---	---	---	---	1
0010	11.2	30+69.30	26.50' LT	756.74	755.74	752.20	3.54	---	---	---	---	---	---	---	---	---	1	---	1
0010	11.3	30+80.00	16.50' RT	756.56	755.56	752.11	3.45	---	---	---	---	---	---	---	---	---	1	---	1
0010	12.0	31+75.45	5.59' RT	757.00	755.75	748.85	6.90	---	---	---	---	---	---	1	---	---	---	---	1
0010	12.1	101+75.00W	5.50' LT	756.58	755.33	751.85	3.48	---	---	---	1	---	---	---	---	---	---	---	1
0010	12.2	100+65.15W	1.79' LT	759.01	757.76	754.21	3.55	---	---	---	1	---	---	---	---	---	---	---	1
0010	12.3	101+61.33W	27.02' RT	755.94	754.94	752.27	2.67	---	---	---	---	---	---	---	---	---	1	---	1
0010	12.4	101+75.00W	16.50' LT	756.23	755.23	752.15	3.08	---	---	---	---	---	---	---	---	---	1	---	1
0010	12.6	103+60.02W	8.56' LT	756.12	754.87	750.52	4.35	---	---	---	1	---	---	---	---	---	---	---	1
0010	12.7	103+60.00W	26.50' RT	756.04	755.04	751.69	3.35	---	---	---	---	---	---	---	---	---	1	---	1
0010	12.8	101+90.00W	16.50' LT	756.18	755.18	752.23	2.95	---	---	---	---	---	---	---	---	---	1	---	1
0010	13.0	31+87.71	1.29' RT	756.99	755.74	748.78	6.96	---	---	---	---	1	---	---	---	---	---	---	1
0010	13.1	33+19.48	17.38' RT	755.82	754.82	750.26	4.56	---	---	---	---	---	---	---	---	---	1	---	1
0010	13.2	33+06.80	22.98' RT	755.89	754.89	750.53	4.36	---	---	---	---	---	---	---	---	---	1	---	1
0010	14.0	33+17.27	9.51' RT	756.09	754.84	748.10	6.74	---	---	---	---	---	---	1	---	---	---	---	1
			TOTAL 0010					1	1	1	15	2	3	6	3	5	41	1	79

STORM SEWER COVERS

CATEGORY	STRUCTURE NO.	STATION	LOCATION	611.0530 MANHOLE COVERS TYPE J EACH	611.0624 INLET COVERS TYPE H EACH	611.0639 INLET COVERS TYPE H-S EACH
0010	1.0	20+05.00S	6.63' RT	1	---	---
0010	2.0	20+89.72S	33.36' RT	---	---	1
0010	3.0	2+06.81W9	0.00' RT	1	---	---
0010	3.1	1+35.96W9	17.66' LT	---	1	---
0010	3.2	2+28.91W9	13.59' RT	---	---	1
0010	3.3	21+31.85S	15.78' RT	---	1	---
0010	3.4	13+13.27	19.13' LT	---	1	---
0010	4.0	11+38.38	16.50' LT	---	---	1
0010	4.1	11+38.38	16.50' RT	---	---	1
0010	4.2	11+30.38	16.50' RT	---	---	1
0010	5.0	11+23.88	16.50' LT	---	---	1
0010	6.0	10+78.71	10.00' RT	1	---	---
0010	7.0	10+63.82EB9	4.99' LT	1	---	---
0010	7.1	10+39.46EB9	0.01' LT	1	---	---
0010	7.2	14+28.58	19.42' RT	---	1	---
0010	7.3	13+55.00	20.12' RT	1	---	---
0010	7.5	13+13.23	16.50' RT	---	1	---
0010	7.6	14+09.11	33.38' LT	---	---	1
0010	7.7	10+66.45EB9	20.82' LT	---	1	---
0010	7.8	15+40.63	20.39' RT	---	1	---
0010	7.9	16+24.08	6.56' RT	1	---	---
0010	7.1	16+94.07	6.69' RT	1	---	---
0010	7.11	16+22.49	23.44' LT	---	---	1
0010	7.12	16+94.36	16.50' RT	---	1	---
0010	7.13	16+93.26	20.21' LT	---	1	---
0010	8.0	50+10.24G	9.30' RT	1	---	---
0010	8.1	50+19.27G	14.34' RT	---	---	1
0010	8.2	50+27.30G	14.21' RT	---	---	1
0010	8.3	50+40.88G	13.99' LT	---	---	1
0010	8.4	50+48.91G	14.26' LT	---	---	1
0010	9.0	70+27.30WI	7.45' RT	1	---	---
0010	9.01	70+25.61WI	13.09' LT	---	---	1
0010	9.02	70+33.61WI	13.09' LT	---	---	1
0010	9.03	70+21.22WI	13.12' RT	---	---	1
0010	9.04	70+13.22WI	13.30' RT	---	---	1
0010	9.1	25+27.15	5.50' RT	1	---	---
0010	9.2	25+00.00	5.50' RT	1	---	---
0010	9.21	25+00.00	16.50' RT	---	---	1
0010	9.22	25+00.00	23.50' LT	---	---	1
0010	9.23	25+20.49	16.50' RT	---	---	1
0010	9.4	22+05.55	5.50' RT	1	---	---
0010	9.41	22+05.55	16.50' RT	---	---	1
0010	9.42	22+05.55	23.50' LT	---	---	1
0010	9.43	21+97.55	23.50' LT	---	---	1
0010	9.5	21+07.97	5.60' RT	1	---	---

CONTINUED IN NEXT COLUMN

CONTINUED FROM PREVIOUS COLUMN

STORM SEWER COVERS

CATEGORY	STRUCTURE NO.	STATION	LOCATION	611.0530 MANHOLE COVERS TYPE J EACH	611.0624 INLET COVERS TYPE H EACH	611.0639 INLET COVERS TYPE H-S EACH
0010	9.51	60+44.01H	11.84' LT	---	1	---
0010	9.52	60+33.72H	15.98' RT	---	1	---
0010	9.6	20+28.31	5.50' RT	1	---	---
0010	9.61	20+28.31	16.50' RT	---	1	---
0010	9.62	20+28.31	23.50' LT	---	1	---
0010	9.7	18+42.00	5.50' RT	1	---	---
0010	9.71	18+42.00	16.50' RT	---	1	---
0010	9.72	18+42.00	23.50' LT	---	1	---
0010	9.8	25+84.92	5.50' RT	1	---	---
0010	9.81	25+84.92	16.50' RT	---	1	---
0010	9.82	25+84.92	23.50' LT	---	1	---
0010	10.0	29+78.14	5.50' RT	1	---	---
0010	10.1	29+78.14	23.70' LT	---	1	---
0010	10.3	27+80.00	5.43' RT	1	---	---
0010	10.4	27+80.00	16.50' RT	---	1	---
0010	10.5	27+80.00	16.50' LT	---	1	---
0010	11.0	30+90.00	16.50' RT	---	---	1
0010	11.1	30+99.71	43.58' RT	1	---	---
0010	11.2	30+69.30	26.50' LT	---	1	---
0010	11.3	30+80.00	16.50' RT	---	---	1
0010	12.0	31+75.45	5.59' RT	1	---	---
0010	12.1	101+75.00W	5.50' LT	1	---	---
0010	12.2	100+65.15W	1.79' LT	1	---	---
0010	12.3	101+61.33W	27.02' RT	---	---	1
0010	12.4	101+75.00W	16.50' LT	---	---	1
0010	12.6	103+60.02W	8.56' LT	1	---	---
0010	12.7	103+60.00W	26.50' RT	---	1	---
0010	12.8	101+90.00W	16.50' LT	---	---	1
0010	13.0	31+87.71	1.29' RT	1	---	---
0010	13.1	33+19.48	17.38' RT	---	1	---
0010	13.2	33+06.80	22.98' RT	---	1	---
0010	14.0	33+17.27	9.51' RT	1	---	---
			TOTAL 0010	26	24	27

3

UNDERDRAIN ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	310.0110 BASE AGGREGATE OPEN-GRADED TON	612.0106 PIPE UNDERDRAIN 6-INCH LF	645.0111 GEOTEXTILE TYPE DF SCHEDULE A SY
0010	10+46	-	11+24	LT	5	74	37
0010	10+46	-	11+30	RT	5	83	42
0010	11+38	-	13+12	LT	10	170	85
0010	11+38	-	13+14	RT	10	173	87
0010	1+00W9	-	2+37W9	LT	7	118	59
0010	1+00W9	-	2+40W9	RT	11	185	93
0010	20+00S	-	20+89S	RT	6	105	53
0010	20+00S	-	21+48S	LT	8	136	68
0010	13+13	-	14+71	RT	11	182	91
0010	13+13	-	16+93	LT	21	356	178
0010	15+10	-	20+28	RT	33	571	286
0010	16+93	-	25+00	LT	48	836	418
0010	20+78	-	27+80	RT	43	748	374
0010	25+00	-	30+70	LT	35	615	308
0010	80+29B	-	81+26B	RT	6	97	49
0010	27+80	-	30+80	RT	21	361	181
0010	100+84W	-	101+75W	RT	7	109	55
0010	100+84W	-	101+75W	LT	6	89	45
0010	102+19W	-	103+61W	RT	9	155	78
0010	10+01NEQ	-	11+67NEQ	RT	9	157	79
0010	31+44	-	33+07	LT	10	168	84
				TOTAL 0010	321	5,488	2,750

EROSION CONTROL MOBILIZATIONS

CATEGORY	LOCATION	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
0010	PROJECT	6	5
	TOTAL 0010	6	5

RESTORATION ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	625.0500 SALVAGED TOPSOIL SY	629.0210 FERTILIZER TYPE B CWT	630.0140 SEEDING MIXTURE NO. 40 LB	630.0500 SEED WATER MGAL	SPV.0085.01 SPECIAL (01. LOW MAINTENANCE SEED MIX) LB
0010	10+46	-	12+53	RT	212	13.4	3.9	5	---
0010	10+46	-	12+40	LT	223	14.1	4.1	5	---
0010	1+00W9	-	2+45W9	LT	89	5.6	1.6	2	---
0010	1+00W9	-	2+42W9	RT	261	16.5	4.7	6	---
0010	20+00S	-	20+86S	RT	121	7.6	2.2	3	---
0010	20+00S	-	21+37S	LT	88	5.6	1.6	2	---
0010	12+86	-	14+68	RT	224	14.2	4.1	5	---
0010	14+67	-	14+99	LT & RT	90	5.7	---	2	1.61
0010	12+98	-	17+20	LT	671	42.3	12.1	15	---
0010	15+22	-	20+74	RT	450	28.4	8.1	10	---
0010	17+42	-	25+22	LT	546	34.4	9.9	12	---
0010	21+15	-	28+26	RT	599	37.8	10.8	13	---
0010	25+42	-	27+31	LT	103	6.5	1.9	2	---
0010	27+50	-	30+83	LT	212	13.3	3.8	5	---
0010	28+67	-	31+29	RT	177	11.2	3.2	4	---
0010	100+84W	-	101+66W	RT	39	2.5	0.7	1	---
0010	10+01NEQ	-	11+76NEQ	RT	90	5.7	1.7	2	---
0010	31+75	-	33+34	LT	72	4.5	1.3	2	---
0010	UNDISTRIBUTED				854	54	16	19	---
				TOTAL 0010	5,121	323.3	91.7	115	1.61

INLET PROTECTION

CATEGORY	STRUCTURE NO.	STATION	LOCATION	628.7010 INLET PROTECTION TYPE B EACH	628.7015 INLET PROTECTION TYPE C EACH
0010	---	10+25	19.80' LT	---	1
0010	---	10+25	20.3' RT	---	1
0010	2.0	20+89.72S	33.36' RT	---	1
0010	---	W 9TH ST (WEST)	---	---	2
0010	3.1	1+35.96W9	17.66' LT	---	1
0010	3.2	2+28.91W9	13.59' RT	---	1
0010	---	19+90S	15.94' RT	---	1
0010	---	19+92S	16.00' LT	---	1
0010	3.3	21+31.85S	15.78' RT	---	1
0010	---	WALKER ST	---	---	2
0010	3.4	13+13.27	19.13' LT	---	1
0010	4.0	11+38.38	16.50' LT	---	1
0010	4.1	11+38.38	16.50' RT	---	1
0010	4.2	11+30.38	16.50' RT	---	1
0010	5.0	11+23.88	16.50' LT	---	1
0010	7.2	14+28.58	19.42' RT	---	1
0010	7.4	13+28.15	38.21' RT	1	---
0010	7.5	13+13.23	16.50' RT	---	1
0010	7.6	14+09.11	33.38' LT	---	1
0010	7.7	10+66.45EB9	20.82' LT	---	1
0010	---	LIBERTY ST	---	---	2
0010	---	W 9TH ST (EAST)	---	---	2
0010	7.8	15+40.63	20.39' RT	---	1
0010	7.11	16+22.49	23.44' LT	---	1
0010	7.12	16+94.36	16.50' RT	---	1
0010	7.13	16+93.26	20.21' LT	---	1
0010	8.1	50+19.27G	14.34' RT	---	1
0010	8.2	50+27.30G	14.21' RT	---	1
0010	8.3	50+40.88G	13.99' LT	---	1
0010	8.4	50+48.91G	14.26' LT	---	1
0010	---	HENNING ST	---	---	2
0010	9.01	70+25.61WI	13.09' LT	---	1
0010	9.02	70+33.61WI	13.09' LT	---	1
0010	9.03	70+21.22WI	13.12' RT	---	1
0010	9.04	70+13.22WI	13.30' RT	---	1
0010	9.21	25+00.00	16.50' RT	---	1
0010	9.22	25+00.00	23.50' LT	---	1
0010	9.23	25+20.49	16.50' RT	---	1
0010	---	S BROOKE ST	---	---	2
0010	9.41	22+05.55	16.50' RT	---	1
0010	9.42	22+05.55	23.50' LT	---	1
0010	9.43	21+97.55	23.50' LT	---	1
0010	9.51	60+44.01H	11.84' LT	---	1
0010	9.52	60+33.72H	15.98' RT	---	1
0010	9.61	20+28.31	16.50' RT	---	1
0010	9.62	20+28.31	23.50' LT	---	1
0010	9.71	18+42.00	16.50' RT	---	1
0010	9.72	18+42.00	23.50' LT	---	1
0010	9.81	25+84.92	16.50' RT	---	1
0010	9.82	25+84.92	23.50' LT	---	1
0010	10.1	29+78.14	23.70' LT	---	1
0010	10.4	27+80.00	16.50' RT	---	1
0010	10.5	27+80.00	16.50' LT	---	1
0010	---	MORRIS ST	---	---	2
0010	11.0	30+90.00	16.50' RT	---	1

CONTINUED IN NEXT COLUMN

3

CONTINUED FROM PREVIOUS COLUMN

INLET PROTECTION

CATEGORY	STRUCTURE NO.	STATION	LOCATION	628.7010 INLET PROTECTION TYPE B EACH	628.7015 INLET PROTECTION TYPE C EACH
0010	11.2	30+69.30	26.50' LT	---	1
0010	11.3	30+80.00	16.50' RT	---	1
0010	12.3	101+61.33W	27.02' RT	---	1
0010	12.4	101+75.00W	16.50' LT	---	1
0010	12.7	103+60.00W	26.50' RT	---	1
0010	12.8	101+90.00W	16.50' LT	---	1
0010	---	WESTERN AVE	---	---	2
0010	13.1	33+19.48	17.38' RT	---	1
0010	13.2	33+06.80	22.98' RT	---	1
0010	---	MILITARY RD	---	---	2
			TOTAL 0010	1	73

PERMANENT SIGNING

CATEGORY	SIGN NO.	STATION	LOCATION	SIGN CODE	SIGN DESCRIPTION	SIZE (INCHES) WIDTH	HEIGHT	634.0809 POSTS TUBULAR STEEL 2X2-INCH X 9.5-FT EACH	634.0810 POSTS TUBULAR STEEL 2X2-INCH X 10-FT EACH	634.0811 POSTS TUBULAR STEEL 2X2-INCH X 11-FT EACH	634.0812 POSTS TUBULAR STEEL 2X2-INCH X 12-FT EACH	634.0814 POSTS TUBULAR STEEL 2X2-INCH X 14-FT EACH	634.0816 POSTS TUBULAR STEEL 2X2-INCH X 16-FT EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2220 SIGNS TYPE II REFLECTIVE SH SF	637.2230 SIGNS TYPE II REFLECTIVE F SF
0010	1-01	MILITARY RD	LT	R2-1	SPEED LIMIT (25)	24	30	---	---	---	---	---	---	5.00	---	---
0010	1-01	MILITARY RD	LT	S5-2	END SCHOOL ZONE	24	30	---	---	---	---	---	---	5.00	---	---
0010	1-02	10+60	LT	R3-17	BIKE LANE	30	24	---	---	---	1	---	---	5.00	---	---
0010	1-02	10+60	LT	R3-17BP	ENDS	30	12	---	---	---	---	---	---	2.50	---	---
0010	1-03	10+66	RT	R7-1L	NO PARKING ANY TIME	18	24	---	---	---	1	---	---	3.00	---	---
0010	1-04	11+22	LT	W10-1	RAILROAD CROSSING	36	36	---	---	---	---	1	---	---	---	7.07
0010	1-05	12+37	RT	S1-1	SCHOOL ZONE	36	36	---	---	---	---	2	---	---	---	6.75
0010	1-05	12+37	RT	S16-7L	DOWN ARROW	30	18	---	---	---	---	---	---	---	---	3.75
0010	1-06	12+33	LT	S1-1	SCHOOL ZONE	36	36	---	---	---	---	2	---	---	---	6.75
0010	1-06	12+33	LT	S16-7L	DOWN ARROW	30	18	---	---	---	---	---	---	---	---	3.75
0010	1-07	21+32S	RT	R1-1	STOP	30	30	---	---	---	1	---	---	5.18	---	---
0010	1-08	2+29W9	RT	R1-1	STOP	30	30	---	---	---	1	---	---	5.18	---	---
0010	1-09	2+30W9	LT	W14-1	DEAD END	30	30	---	---	---	1	---	---	---	---	6.25
0010	1-10	30+33WA	RT	R1-1	STOP	30	30	---	---	---	1	---	---	5.18	---	---
0010	1-11	13+34	LT	S4-51	SCHOOL SPEED LIMIT (15)	24	48	---	---	---	---	1	---	---	6.63	1.37
0010	1-12	13+54	RT	R7-1D	NO PARKING ANY TIME	18	24	---	---	---	1	---	---	3.00	---	---
0010	1-13	13+84	LT	W5-52L	OBJECT MARKER	12	36	1	---	---	---	---	---	---	---	3.00
0010	1-14	13+98	LT	W11-2	PEDESTRIAN SYMBOL	30	30	---	---	---	1	---	---	5.18	---	---
0010	1-14	13+98	LT	W16-7R	DOWN ARROW	24	12	---	---	---	---	---	---	2.00	---	---
0010	1-15	13+98	LT	W11-2	PEDESTRIAN SYMBOL	30	30	---	---	---	---	---	---	5.18	---	---
0010	1-15	13+98	LT	W16-7R	DOWN ARROW	24	12	---	---	---	---	---	---	2.00	---	---
0010	1-16	14+28	LT	R1-2	YIELD	36	31	---	---	---	1	---	---	3.88	---	---
0010	1-17	14+35	RT	R1-2	YIELD	36	31	---	---	---	1	---	---	3.88	---	---
0010	1-18	14+70	RT	R6-4B	CHEVRON	60	24	---	2	---	---	---	---	10.00	---	---
0010	1-18	14+70	RT	R6-1R	ONE WAY	36	12	---	---	---	---	---	---	3.00	---	---
0010	1-19	14-91	RT	R6-4B	CHEVRON	60	24	---	2	---	---	---	---	10.00	---	---
0010	1-19	14+91	RT	R6-1R	ONE WAY	36	12	---	---	---	---	---	---	3.00	---	---
0010	1-20	14+92	LT	R6-4B	CHEVRON	60	24	---	2	---	---	---	---	10.00	---	---
0010	1-20	14+92	LT	R6-1R	ONE WAY	36	12	---	---	---	---	---	---	3.00	---	---
0010	1-21	10+16EB9	RT	S1-1	SCHOOL ZONE	36	36	---	---	---	---	2	---	---	---	6.75
0010	1-21	10+16EB9	RT	S16-7L	DOWN ARROW	30	18	---	---	---	---	---	---	---	---	3.75
0010	1-22	10+05EB9	LT	R1-2	YIELD	36	31	---	---	---	1	---	---	3.88	---	---
0010	1-23	15+00	LT	R1-2	YIELD	36	31	---	---	---	1	---	---	3.88	---	---
0010	1-24	10+31EB9	LT	W5-52L	OBJECT MARKER	12	36	1	---	---	---	---	---	---	---	3.00
0010	1-25	15+39	LT	R1-2	YIELD	36	31	---	---	---	1	---	---	3.88	---	---
0010	1-26	10+84EB9	RT	R2-1	SPEED LIMIT (25)	24	30	---	---	---	---	2	---	5.00	---	---
0010	1-26	10-84EB9	RT	S5-2	END SCHOOL ZONE	24	30	---	---	---	---	---	---	5.00	---	---
0010	1-27	10+19EB9	LT	R1-2	YIELD	36	31	---	---	---	1	---	---	3.88	---	---
0010	1-28	10+46EB9	LT	S1-1	SCHOOL ZONE	36	36	---	---	---	---	2	---	---	---	6.75
0010	1-28	10+46EB9	LT	S16-7L	DOWN ARROW	30	18	---	---	---	---	---	---	---	---	3.75
0010	1-29	15+65	LT	W11-2	PEDESTRIAN SYMBOL	30	30	---	---	---	1	---	---	5.18	---	---
0010	1-29	15+65	LT	W16-7R	DOWN ARROW	24	12	---	---	---	---	---	---	2.00	---	---
0010	1-30	15+65	LT	W11-2	PEDESTRIAN SYMBOL	30	30	---	---	---	---	---	---	5.18	---	---
0010	1-30	15+65	LT	W16-7R	DOWN ARROW	24	12	---	---	---	---	---	---	2.00	---	---
0010	1-31	15+80	LT	W11-2	PEDESTRIAN SYMBOL	30	30	---	---	---	1	---	---	5.18	---	---
0010	1-31	15+80	LT	W16-7R	DOWN ARROW	24	12	---	---	---	---	---	---	2.00	---	---
0010	1-32	W 9TH ST (EAST)	LT	W2-6	CIRCULATING ARROWS	30	30	---	---	---	---	1	---	---	---	6.25
0010	1-32	W 9TH ST (EAST)	LT	W13-1	RAB SPEED (15)	18	18	---	---	---	---	---	---	---	---	2.25
0010	1-33	W 9TH ST (EAST)	LT	S1-1	SCHOOL ZONE	36	36	---	---	---	---	---	2	---	---	6.75
0010	1-33	W 9TH ST (EAST)	LT	S16-9P	AHEAD	30	18	---	---	---	---	---	---	---	---	3.75
0010	1-33	W 9TH ST (EAST)	LT	R2-6P	FINES HIGHER	24	18	---	---	---	---	---	---	3.00	---	---
0010	1-34	14+25	LT	D1-1	MILITARY RD	78	15	---	---	2	---	---	---	8.13	---	---
0010	1-35	14+86	RT	D1-1	W 9TH ST	66	15	---	---	2	---	---	---	6.88	---	---
0010	1-36	15+38	LT	D1-1	MILITARY RD	78	15	---	---	2	---	---	---	8.13	---	---
0010	2-01	16+07	LT	R4-7	KEEP RIGHT	24	30	---	---	---	1	---	---	5.00	---	---
0010	2-02	16+54	RT	R2-1	SPEED LIMIT (25)	24	30	---	---	---	---	2	---	5.00	---	---
0010	2-02	16+54	RT	S5-2	END SCHOOL ZONE	24	30	---	---	---	---	---	---	5.00	---	---

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PERMANENT SIGNING

CATEGORY	SIGN NO.	STATION	LOCATION	SIGN CODE	SIGN DESCRIPTION	SIZE (INCHES) WIDTH	HEIGHT	634.0809 POSTS TUBULAR STEEL 2X2-INCH X 9.5-FT EACH	634.0810 POSTS TUBULAR STEEL 2X2-INCH X 10-FT EACH	634.0811 POSTS TUBULAR STEEL 2X2-INCH X 11-FT EACH	634.0812 POSTS TUBULAR STEEL 2X2-INCH X 12-FT EACH	634.0814 POSTS TUBULAR STEEL 2X2-INCH X 14-FT EACH	634.0816 POSTS TUBULAR STEEL 2X2-INCH X 16-FT EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2220 SIGNS TYPE II REFLECTIVE SH SF	637.2230 SIGNS TYPE II REFLECTIVE F SF
0010	2-03	16+84	LT	S1-1	SCHOOL ZONE	36	36	---	---	---	---	---	2	---	---	6.75
0010	2-03	16+84	LT	S16-9P	AHEAD	30	18	---	---	---	---	---	---	---	---	3.75
0010	2-03	16+84	LT	R2-6P	FINES HIGHER	24	18	---	---	---	---	---	---	3.00	---	---
0010	2-04	50+30G	RT	R1-1	STOP	30	30	---	---	---	1	---	---	5.18	---	---
0010	2-05	16+86	RT	R7-1D	NO PARKING ANY TIME	18	24	---	---	---	1	---	---	3.00	---	---
0010	2-06	19+65	RT	R7-1D	NO PARKING ANY TIME	18	24	---	---	---	1	---	---	3.00	---	---
0010	2-07	60+35H	RT	W14-1	DEAD END	30	30	---	---	---	1	---	---	---	---	6.25
0010	2-08	60+40H	LT	R1-1	STOP	30	30	---	---	---	1	---	---	5.18	---	---
0010	2-09	21+80	RT	R7-1D	NO PARKING ANY TIME	18	24	---	---	---	1	---	---	3.00	---	---
0010	3-01	24+73	RT	R7-1D	NO PARKING ANY TIME	18	24	---	---	---	1	---	---	3.00	---	---
0010	3-02	70+30WI	RT	R1-1	STOP	30	30	---	---	---	1	---	---	5.18	---	---
0010	3-03	81-12B	RT	R1-1	STOP	30	30	---	---	---	---	2	---	5.18	---	---
0010	3-03	81-12B	RT	R3-53R	RIGHT TURN ONLY	24	30	---	---	---	---	---	---	5.00	---	---
0010	3-04	80+74B	ISLAND	R4-7	KEEP RIGHT	24	30	---	---	---	1	---	---	5.00	---	---
0010	3-05	80+74B	ISLAND	R1-1	STOP	30	30	---	---	---	1	---	---	5.18	---	---
0010	3-06	80+74B	ISLAND	R4-7	KEEP RIGHT	24	30	---	---	---	---	1	---	5.00	---	---
0010	3-06	80+74B	ISLAND	R3-2	NO LEFT TURN	24	24	---	---	---	---	---	---	4.00	---	---
0010	3-07	27+82	LT	R1-1	STOP	18	18	---	---	1	---	---	---	1.86	---	---
0010	3-08	27+97	LT	W11-15	PED/BIKE SYMBOL	30	30	---	---	---	1	---	---	---	---	6.25
0010	3-08	27+97	LT	W16-7L	DOWN ARROW	24	12	---	---	---	---	---	---	---	---	2.00
0010	3-09	27+85	RT	W11-15	PED/BIKE SYMBOL	30	30	---	---	---	1	---	---	---	---	6.25
0010	3-09	27+85	RT	W16-7L	DOWN ARROW	24	12	---	---	---	---	---	---	---	---	2.00
0010	3-10	27+99	RT	R1-1	STOP	18	18	---	---	1	---	---	---	1.86	---	---
0010	4-01	90+45M	RT	R7-53L	NO PARKING ON THIS SIDE	18	24	---	---	---	1	---	---	3.00	---	---
0010	4-02	90+32M	RT	R1-1	STOP	30	30	---	---	---	1	---	---	5.18	---	---
0010	4-03	29+53	RT	R3-8LF	LEFT TURN ONLY/THRU & RIGHT TURN	36	30	---	---	---	1	---	---	7.50	---	---
0010	4-04	29+97	RT	R7-1D	NO PARKING ANY TIME	18	24	---	---	---	1	---	---	3.00	---	---
0010	4-05	101+08W	RT	R3-8LF	LEFT TURN ONLY/THRU & RIGHT TURN	36	30	---	---	---	1	---	---	7.50	---	---
0010	4-06	101+64W	RT	R1-1F	FOLDING STOP	36	36	---	---	---	---	---	---	7.46	---	---
0010	4-07	101+16W	LT	W11-1	BIKE CROSSING	30	30	---	---	---	1	---	---	---	---	6.25
0010	4-08	31+21	RT	R1-1F	FOLDING STOP	36	36	---	---	---	---	---	---	7.46	---	---
0010	4-09	102+97W	RT	R7-51R	NO PARKING HERE TO CORNER	18	24	---	---	---	1	---	---	3.00	---	---
0010	4-10	31+76	LT	R1-1F	FOLDING STOP	36	36	---	---	---	---	---	---	7.46	---	---
0010	4-11	103+46W	RT	R7-5D	2 HOUR PARKING	18	24	---	---	---	1	---	---	3.00	---	---
0010	4-12	103+03W	LT	R1-1F	FOLDING STOP	36	36	---	---	---	---	---	---	7.46	---	---
0010	4-13	32+30	RT	R5-1	DO NOT ENTER	30	30	---	---	---	1	---	---	6.25	---	---
0010	4-14	103+36W	LT	W12-1D	DOUBLE DIAGONAL ARROW	24	24	---	---	---	1	---	---	---	---	4.00
0010	4-15	103+14W	LT	R1-2	YIELD	36	31	---	---	---	1	---	---	3.88	---	---
0010	4-16	103+32W	LT	R1-2	YIELD	36	31	---	---	---	1	---	---	3.88	---	---
0010	4-17	32+72	RT	R5-1	DO NOT ENTER	30	30	---	---	---	1	---	---	6.25	---	---
0010	4-18	33+28	RT	R7-1D	NO PARKING	18	24	---	---	---	1	---	---	3.00	---	---
0010	4-19	33+50	RT	R3-17	BIKE LANE	30	24	---	---	---	1	---	---	5.00	---	---
0010	4-19	33+50	RT	R3-17BP	ENDS	30	12	---	---	---	---	---	---	2.50	---	---
					TOTAL 0010			2	6	8	44	18	4	344.75	6.63	125.19

REMOVING SIGNS

CATEGORY	STATION	LOCATION	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	SPV.0060.60 SPECIAL (60. REMOVE AND SALVAGE SIGNS) EACH	REMARKS
0010	11+26	LT	1	1	RAILROAD CROSSING
0010	11+46	LT	1	1	STOP
0010	1+38W9	LT	1	1	DEAD END
0010	12+03	LT	1	1	YIELD
0010	12+15	RT	1	2	DO NOT BLOCK INTERSECTION/NO PARKING
0010	12+23	LT	1	1	STOP
0010	20+94S	RT	1	1	STOP
0010	21+01S	RT	1	1	NO TRUCKS
0010	30+47WA	RT	1	1	STOP
0010	13+24	RT	1	1	LANE THRU AND RIGHT
0010	14+23	RT	1	2	SCHOOL ZONE AND DOWN ARROW
0010	14+07	LT	1	2	SCHOOL ZONE AND DOWN ARROW
0010	14+81	RT	1	1	KEEP RIGHT
0010	14+82	RT	1	2	KEEP RIGHT AND CHEVRON
0010	15+05	LT	1	1	DO NOT BLOCK INTERSECTION
0010	15+10	RT	1	2	SCHOOL ZONE AND DOWN ARROW
0010	10+19EB9	RT	1	1	NO PARKING IN THIS BLOCK
0010	10+88EB9	LT	1	2	LEFT & RIGHT TURN/NO PARKING HERE TO CORNER
0010	W 9TH ST (EAST)	LT	1	2	SCHOOL CROSSING/AHEAD
0010	W 9TH ST (EAST)	LT	1	1	STOP LIGHT AHEAD
0010	15+59	RT	1	1	NO PARKING
0010	16+09	LT	1	1	SCHOOL SPEED LIMIT (15)
0010	16+77	RT	1	1	SPEED LIMIT (25)
0010	16+81	LT	1	2	LANE THRU AND RIGHT AND NO PARKING
0010	17+10	RT	1	1	NO PARKING
0010	50+31G	RT	1	1	STOP
0010	18+01	RT	1	1	CITY BUS SIGN
0010	18+05	RT	1	1	2 HOUR PARKING
0010	18+33	LT	1	1	2 HOUR PARKING
0010	19+10	LT	1	2	SCHOOL ZONE AND DOWN ARROW
0010	20+51	RT	1	1	NO PARKING
0010	60+30H	RT	1	1	DEAD END
0010	60+41H	LT	1	1	STOP
0010	21+45	LT	1	1	2 HOUR PARKING
0010	21+48	RT	1	1	2 HOUR PARKING
0010	22+82	RT	---	---	EPISCOPAL CHURCH SIGN TO BE REMOVED BY OTHERS
0010	23+40	LT	1	1	2 HOUR PARKING
0010	23+73	RT	1	1	BIKE CROSSING
0010	24+89	RT	1	1	2 HOUR PARKING
0010	70+28WI	RT	1	1	STOP
0010	26+00	LT	1	1	2 HOUR PARKING
0010	26+91	RT	1	1	STOP
0010	80+14B	LT	1	1	STOP
0010	80+73B	RT	1	1	STOP
0010	80+73B	LT	1	3	KEEP RIGHT (X2) AND NO LEFT TURN
0010	80+82B	RT	1	1	STOP
0010	27+94	RT	1	1	CITY BUS SIGN
0010	90+43M	RT	1	2	NO TRUCKS AND NO PARKING
0010	90+37M	LT	1	1	STOP
0010	28+89	RT	1	1	2 HOUR PARKING
0010	29+67	LT	1	1	BIKE CROSSING

CONTINUED IN NEXT COLUMN

3

CONTINUED FROM PREVIOUS COLUMN

REMOVING SIGNS

CATEGORY	STATION	LOCATION	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	SPV.0060.60 SPECIAL (60. REMOVE AND SALVAGE SIGNS) EACH	REMARKS
0010	29+87	LT	1	3	2 HOUR PARKING, BIKE LANE, AND ARROW
0010	30+05	RT	1	2	LEFT TURN, THRU AND RIGHT, AND NO PARKING
0010	30+27	RT	1	2	BIKE ROUTE AND DOUBLE ARROW
0010	30+65	RT	---	---	CITY SIGN TO BE MOVED BY OTHERS
0010	30+86	LT	1	---	FOLDING STOP
0010	30+29	RT	1	---	FOLDING STOP
0010	100+95W	RT	1	1	LEFT TURN AND RIGHT TURN LANE
0010	101+33W	LT	---	---	BIKE CROSSING
0010	103+02W	RT	1	1	NO PARKING
0010	103+22W	RT	1	1	2 HOUR PARKING
0010	103+30W	LT	1	1	RIGHT LANE MUST TURN RIGHT
0010	31+82	LT	1	---	FOLDING STOP
0010	32+14	RT	1	---	FOLDING STOP
0010	32+38	RT	1	2	DO NOT ENTER AND YIELD
0010	32+76	RT	1	2	DO NOT ENTER AND YIELD
0010	33+28	RT	1	1	NO PARKING
		TOTAL 0010	64	78	

TRAFFIC CONTROL ITEMS

CATEGORY	LOCATION	STAGE	DAYS	637.0620 SIGN FLAGS PERMANENT TYPE II EACH	TRAFFIC CONTROL BARRICADES TYPE II EACH	643.0410 TRAFFIC CONTROL BARRICADES TYPE II DAY	TRAFFIC CONTROL BARRICADES TYPE III EACH	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	TRAFFIC CONTROL SIGNS EACH	643.0900 TRAFFIC CONTROL SIGNS DAY	643.1000 TRAFFIC CONTROL SIGNS FIXED MESSAGE SF	TRAFFIC CONTROL SIGNS PCMS EACH	643.1050 TRAFFIC CONTROL SIGNS PCMS DAY	REMARKS
0010	OVERVIEW	1	7	---	---	---	---	---	---	---	---	---	---	2	14	DETOUR OVERVIEW
0010	WESTERN AVE. - HICKORY ST.	1	46	---	---	---	2	92	4	184	15	690	24	---	---	DETOUR DETAIL 1
0010	MILITARY RD. - HICKORY ST.	1	46	---	---	---	---	---	---	---	13	598	24	---	---	DETOUR DETAIL 2
0010	W. 9TH ST. - MILITARY RD.	1	46	---	---	---	9	414	12	552	16	736	18	---	---	DETOUR DETAIL 3
0010	W. 9TH ST. - S. MAIN ST.	1	46	---	---	---	---	---	---	---	22	1,012	72	---	---	DETOUR DETAIL 4
0010	WESTERN AVE. - S. MAIN ST.	1	46	---	---	---	2	92	4	184	23	1,058	72	---	---	DETOUR DETAIL 5
0010	W. 2ND ST. - S. MAIN ST.	1	46	---	---	---	---	---	---	---	15	690	30	---	---	DETOUR DETAIL 6
0010	W. 2ND ST. - MILITARY RD.	1	46	2	---	---	2	92	4	184	14	644	6	---	---	DETOUR DETAIL 7
0010	WESTERN AVE. - MILITARY RD.	1	46	---	---	---	15	690	18	828	3	138	---	---	---	DETOUR DETAIL 8
0010	WESTERN AVE.	1A	22	---	7	154	---	---	---	---	7	154	---	---	---	PEDESTRIAN ACCESS
0010	MILITARY RD. - GROVE ST.	1 & 2	158	---	---	---	2	316	2	316	2	316	---	---	---	DETOUR DETAILS 3 & 12
0010	MILITARY RD. - HENNING ST.	1 & 2	158	---	---	---	2	316	2	316	2	316	---	---	---	DETOUR OVERVIEW
0010	MILITARY RD. - WILKINS ST.	1 & 2	158	---	---	---	2	316	2	316	2	316	---	---	---	DETOUR DETAILS 8 & 11
0010	MILITARY RD. - S. BROOKE ST.	1 & 2	158	---	---	---	2	316	2	316	2	316	---	---	---	DETOUR DETAILS 8 & 11
0010	MILITARY RD. - MORRIS ST.	1 & 2	158	---	---	---	2	316	2	316	2	316	---	---	---	DETOUR DETAILS 8 & 11
0010	GROVE ST.	1A & 2A	62	---	5	310	---	---	---	---	5	310	---	---	---	PEDESTRIAN ACCESS
0010	HENNING ST.	1A & 2A	62	---	2	124	---	---	---	---	2	124	---	---	---	PEDESTRIAN ACCESS
0010	WILKINS ST.	1A & 2A	62	---	2	124	---	---	---	---	2	124	---	---	---	PEDESTRIAN ACCESS
0010	S. BROOKE ST.	1A & 2A	62	---	4	248	---	---	4	248	8	496	---	---	---	PEDESTRIAN ACCESS
0010	MORRIS ST.	1A & 2A	62	---	1	62	---	---	---	---	1	62	---	---	---	PEDESTRIAN ACCESS
0010	GROVE ST.	1B & 2B	62	---	2	124	---	---	---	---	2	124	---	---	---	PEDESTRIAN ACCESS
0010	HENNING ST.	1B & 2B	62	---	2	124	---	---	---	---	2	124	---	---	---	PEDESTRIAN ACCESS
0010	WILKINS ST.	1B & 2B	62	---	2	124	---	---	---	---	2	124	---	---	---	PEDESTRIAN ACCESS
0010	S. BROOKE ST.	1B & 2B	62	---	2	124	---	---	4	248	6	372	---	---	---	PEDESTRIAN ACCESS
0010	MORRIS ST.	1B & 2B	62	---	1	62	---	---	---	---	1	62	---	---	---	PEDESTRIAN ACCESS
0010	WESTERN AVE.	1B & 2B	21	---	6	126	---	---	---	---	6	126	---	---	---	PEDESTRIAN ACCESS
0010	OVERVIEW	2	7	---	---	---	---	---	---	---	---	---	---	1	7	DETOUR OVERVIEW
0010	MILITARY RD. - HICKORY ST.	2	112	4	---	---	2	224	4	448	9	1,008	6	---	---	DETOUR DETAIL 9
0010	WESTERN AVE. - HICKORY ST.	2	112	---	---	---	---	---	---	---	8	896	---	---	---	DETOUR DETAIL 10
0010	WESTERN AVE. - MILITARY RD.	2	112	2	---	---	5	560	6	672	15	1,680	12	---	---	DETOUR DETAIL 11
0010	MILITARY RD. - ANN ST.	2	112	---	---	---	---	---	---	---	1	112	---	---	---	DETOUR DETAIL 12
0010	MILITARY RD. - SUPERIOR ST.	2	112	---	---	---	2	224	2	224	2	224	---	---	---	DETOUR DETAIL 12
0010	MILITARY RD. - WALKER ST.	2	112	---	---	---	2	224	2	224	3	336	---	---	---	DETOUR DETAIL 12
0010	MILITARY RD. - LIBERTY ST.	2	112	---	---	---	2	224	2	224	3	336	---	---	---	DETOUR DETAIL 12
0010	W. 9TH ST. (EAST) - MILITARY RD	2	112	---	---	---	5	560	6	672	3	336	---	---	---	DETOUR DETAIL 12
0010	W. 9TH ST. (WEST)	2A	62	---	---	---	---	---	---	---	---	---	---	---	---	PEDESTRIAN ACCESS
0010	SUPERIOR ST.	2A	62	---	2	124	---	---	---	---	2	124	---	---	---	PEDESTRIAN ACCESS
0010	W. 9TH ST. (EAST)	2A	62	---	1	62	---	---	---	---	1	62	---	---	---	PEDESTRIAN ACCESS
0010	WALKER ST.	2B	62	---	1	62	---	---	---	---	1	62	---	---	---	PEDESTRIAN ACCESS
0010	W. 9TH ST. (EAST)	2B	62	---	3	186	---	---	---	---	3	186	---	---	---	PEDESTRIAN ACCESS
	TOTAL 0010			8		2,140		4,976		6,472		14,710	264		21	

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PEDESTRIAN ACCESS ITEMS

CATEGORY	LOCATION	DAYS	644.1410 TEMPORARY PEDESTRIAN SURFACE ASPHALT SF	644.1430 TEMPORARY PEDESTRIAN SURFACE PLATE SF	TEMPORARY PEDESTRIAN CURB RAMP EACH	644.1601 TEMPORARY PEDESTRIAN CURB RAMP DAY	644.1810 TEMPORARY PEDESTRIAN BARRICADE LF	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH LF	REMARKS
0010	GROVE ST	62	110	64	2	124	---	---	STAGE 1A/2A
0010	HENNING ST	62	---	---	---	---	---	---	STAGE 1A/2A
0010	WILKINS ST	62	49	64	2	124	---	---	STAGE 1A/2A
0010	S. BROOKE ST	62	61	192	2	124	---	88	STAGE 1A/2A
0010	MORRIS ST	62	---	---	---	---	---	---	STAGE 1A/2A
0010	WESTERN AVE	22	119	64	6	132	115	264	STAGE 1A
0010	GROVE ST	62	---	---	1	62	---	---	STAGE 1B/2B (CONTINUE USE OF PLATES AND TEMP SURFACE FROM STAGE 1A/2A)
0010	HENNING ST	62	---	64	1	62	---	---	STAGE 1B/2B
0010	WILKINS ST	62	---	---	---	---	---	---	STAGE 1B/2B
0010	S. BROOKE ST	62	---	---	---	---	---	---	STAGE 1B/2B (CONTINUE USE OF PLATES FROM STAGE 1A/2A)
0010	MORRIS ST	62	---	---	---	---	---	---	STAGE 1B/2B
0010	WESTERN AVE	21	---	---	6	126	---	---	STAGE 1B (CONTINUE USE OF PLATES, PED BARRICADE, AND TEMP CROSSINGS FROM STAGE 1A)
0010	W. 9TH ST (WEST)	62	---	64	---	---	---	---	STAGE 2A
0010	SUPERIOR ST	62	---	64	---	---	---	---	STAGE 2A
0010	W. 9TH ST (EAST)	62	---	---	---	---	---	---	STAGE 2A
0010	WALKER ST	62	114	---	3	186	---	64	STAGE 2B (CONTINUE USE OF PLATES FROM STAGE 2A)
0010	W. 9TH ST (EAST)	62	---	---	---	---	---	---	STAGE 2B
	TOTAL 0010		453	576		940	115	416	

PAVEMENT MARKINGS

CATEGORY	STATION	TO	STATION	LOCATION	646.1020 MARKING LINE EPOXY 4-INCH LF	646.3020 MARKING LINE EPOXY 8-INCH LF	646.5020 MARKING ARROW EPOXY EACH	646.5220 MARKING SYMBOL EPOXY EACH	646.5320 MARKING RAILROAD CROSSINGS EPOXY EACH	646.6020 MARKING STOP LINE EPOXY 12-INCH LF	646.6220 MARKING YIELD LINE EPOXY 18-INCH EACH	646.6320 MARKING DOTTED EXTENSION EPOXY 18-INCH LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	646.7520 MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH LF	646.8120 MARKING CURB EPOXY LF	646.8220 MARKING ISLAND NOSE EPOXY EACH	REMARKS
0010	10+20	-	12+39	CENTERLINE	438	---	---	---	---	---	---	---	---	---	---	---	---	DOUBLE YELLOW
0010	10+20	-	12+39	LT	219	---	---	---	---	---	---	---	---	---	---	---	---	WHITE EDGELINE
0010	10+20	-	11+89	RT	169	---	---	---	---	---	---	---	---	---	---	---	---	WHITE EDGELINE
0010	11+89	-	12+39	RT	13	---	---	---	---	---	---	---	---	---	---	---	---	DOTTTED WHITE EDGELINE
0010	10+66	-	11+26	LT	---	---	---	---	1	---	---	---	---	---	---	---	---	RAILROAD MARKINGS
0010	11+75	-	11+93	RT	---	---	1	1	---	---	---	---	---	---	---	---	---	BIKE LANE SYMBOL & ARROW
0010	12+11	-	12+29	LT	---	---	1	1	---	---	---	---	---	---	---	---	---	BIKE LANE SYMBOL & ARROW
0010	12+39	-	12+45	LT & RT	---	---	---	---	---	---	---	---	---	75	---	---	---	CROSSWALKS
0010	12+52	-	12+88	RT	---	---	---	---	---	---	---	---	---	67	---	---	---	CROSSWALKS
0010	12+51	-	12+89	LT	---	---	---	---	---	---	---	---	---	70	---	---	---	CROSSWALKS
0010	2+34W9	-	2+49W9	LT & RT	---	---	---	---	---	---	---	---	---	60	---	---	---	CROSSWALKS
0010	12+94	-	13+00	LT & RT	---	---	---	---	---	---	---	---	---	79	---	---	---	CROSSWALKS
0010	13+00	-	13+99	RT	24	---	---	---	---	---	---	---	---	---	---	---	---	DOTTED WHITE EDGELINE
0010	13+00	-	13+91	LT	24	---	---	---	---	---	---	---	---	---	---	---	---	DOTTED WHITE EDGELINE
0010	13+00	-	13+82	LT	151	---	---	---	---	---	---	---	---	---	---	---	---	DOUBLE YELLOW
0010	13+00	-	13+83	RL	159	---	---	---	---	---	---	---	---	---	---	---	---	DOUBLE YELLOW
0010	13+00	-	13+74	LT	---	---	---	---	---	---	---	---	16	---	---	---	---	YELLOW DIAGONAL
0010	13+09	-	13+27	RT	---	---	1	1	---	---	---	---	---	---	---	---	---	BIKE LANE SYMBOL & ARROW
0010	13+26	-	13+45	LT	---	---	1	1	---	---	---	---	---	---	---	---	---	BIKE LANE SYMBOL & ARROW
0010	13+75	-	13+82	LT	---	---	---	---	---	---	---	---	---	---	---	---	1	ISLAND NOSE YELLOW
0010	13+99	-	14+10	RT	---	---	---	---	---	---	---	---	---	38	---	---	---	CROSSWALKS
0010	13+97	-	14+08	LT	---	---	---	---	---	---	---	---	---	36	---	---	---	CROSSWALKS
0010	14+33	-	14+39	RT	---	---	---	---	---	---	---	20	---	---	---	---	---	DOTTED WHITE EXTENSION LINE
0010	10+18EB9	-	10+26EB9	RT	---	---	---	---	---	---	---	---	---	35	---	---	---	CROSSWALKS
0010	10+27EB9	-	10+37EB9	LT	---	---	---	---	---	---	---	---	---	---	---	---	1	ISLAND NOSE YELLOW
0010	10+29EB9	-	10+86EB9	RL	96	---	---	---	---	---	---	---	---	---	---	---	---	DOUBLE YELLOW
0010	10+15WB9	-	10+28WB9	LT	---	---	---	---	---	---	---	---	---	41	---	---	---	CROSSWALKS
0010	10+24WB9	-	10+79WB9	RL	93	---	---	---	---	---	---	---	---	---	---	---	---	DOUBLE YELLOW
0010	14+95	-	15+28	RT	---	---	---	---	---	---	---	18	---	---	---	---	---	DOTTED WHITE EXTENSION LINE
0010	15+03	-	15+26	LT	---	---	---	---	---	---	---	18	---	---	---	---	---	DOTTED WHITE EXTENSION LINE
0010	15+52	-	15+60	RT	---	---	---	---	---	---	---	---	---	37	---	---	---	CROSSWALKS
0010	15+53	-	15+65	LT	---	---	---	---	---	---	---	---	---	36	---	---	---	CROSSWALKS
0010	15+65	-	16+38	LT	20	---	---	---	---	---	---	---	---	---	---	---	---	DOTTED WHITE EDGELINE
0010	16+38	-	17+08	LT	72	---	---	---	---	---	---	---	---	---	---	---	---	WHITE EDGELINE
0010	15+60	-	16+45	RT	20	---	---	---	---	---	---	---	---	---	---	---	---	DOTTED WHITE EDGELINE
0010	16+45	-	17+08	RT	63	---	---	---	---	---	---	---	---	---	---	---	---	WHITE EDGELINE
0010	16+06	-	17+08	LT	200	---	---	---	---	---	---	---	---	---	---	---	---	DOUBLE YELLOW
0010	16+06	-	17+08	RL	200	---	---	---	---	---	---	---	---	---	---	---	---	DOUBLE YELLOW
0010	16+06	-	16+12	LT	---	---	---	---	---	---	---	---	---	---	---	---	1	ISLAND NOSE YELLOW
0010	16+12	-	17+08	LT	---	---	---	---	---	---	---	---	18	---	---	---	---	YELLOW DIAGONAL
0010	16+40	-	16+59	RT	---	---	1	1	---	---	---	---	---	---	---	---	---	BIKE LANE SYMBOL & ARROW
0010	16+68	-	16+87	LT	---	---	1	1	---	---	---	---	---	---	---	---	---	BIKE LANE SYMBOL & ARROW
0010	17+08	-	17+14	LT & RT	---	---	---	---	---	---	---	---	---	83	---	---	---	CROSSWALKS
0010	17+20	-	17+62	LT	---	---	---	---	---	---	---	---	---	78	---	---	---	CROSSWALKS
0010	17+14	-	17+46	CENTERLINE	77	---	---	---	---	---	---	---	---	---	---	---	---	DOUBLE YELLOW
0010	17+46	-	21+10	CENTERLINE	91	---	---	---	---	---	---	---	---	---	---	---	---	YELLOW SKIPS
0010	17+14	-	20+06	RT	291	---	---	---	---	---	---	---	---	---	---	---	---	WHITE EDGELINE
0010	20+06	-	20+56	RT	13	---	---	---	---	---	---	---	---	---	---	---	---	DOTTED WHITE EDGELINE
0010	17+76	-	18+26	LT	13	---	---	---	---	---	---	---	---	---	---	---	---	DOTTED WHITE EDGELINE
0010	17+76	-	18+26	LT	13	---	---	---	---	---	---	---	---	---	---	---	---	DOTTED WHITE BIKE EDGELINE
0010	18+26	-	20+10	LT	284	---	---	---	---	---	---	---	---	---	---	---	---	WHITE EDGELINE
0010	18+26	-	20+10	LT	284	---	---	---	---	---	---	---	---	---	---	---	---	WHITE BIKE EDGELINE
0010	18+36	-	18+54	RT	---	---	1	1	---	---	---	---	---	---	---	---	---	BIKE LANE SYMBOL & ARROW
0010	19+52	-	19+70	LT	---	---	1	1	---	---	---	---	---	---	---	---	---	BIKE LANE SYMBOL & ARROW
0010	19+91	-	19+10	RT	---	---	1	1	---	---	---	---	---	---	---	---	---	BIKE LANE SYMBOL & ARROW
0010	20+73	-	21+05	RT	---	---	---	---	---	---	---	---	---	60	---	---	---	CROSSWALKS

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PAVEMENT MARKINGS

CATEGORY	STATION	TO	STATION	LOCATION	646.1020 MARKING LINE EPOXY 4-INCH LF	646.3020 MARKING LINE EPOXY 8-INCH LF	646.5020 MARKING ARROW EPOXY EACH	646.5220 MARKING SYMBOL EPOXY EACH	646.5320 MARKING RAILROAD CROSSINGS EPOXY EACH	646.6020 MARKING STOP LINE EPOXY 12-INCH LF	646.6220 MARKING YIELD LINE EPOXY 18-INCH EACH	646.6320 MARKING DOTTED EXTENSION EPOXY 18-INCH LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	646.7520 MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH LF	646.8120 MARKING CURB EPOXY LF	646.8220 MARKING ISLAND NOSE EPOXY EACH	REMARKS
0010	21+10	-	21+16	LT & RT	---	---	---	---	---	---	---	---	---	80	---	---	---	CROSSWALKS
0010	21+16	-	25+72	RT	456	---	---	---	---	---	---	---	---	---	---	---	---	WHITE EDGELINE
0010	21+16	-	25+72	CENTERLINE	114	---	---	---	---	---	---	---	---	---	---	---	---	YELLOW SKIPS
0010	21+16	-	25+07	LT	391	---	---	---	---	---	---	---	---	---	---	---	---	WHITE EDGELINE
0010	21+16	-	25+07	LT	391	---	---	---	---	---	---	---	---	---	---	---	---	WHITE BIKE EDGELINE
0010	21+20	-	21+38	RT	---	---	1	1	---	---	---	---	---	---	---	---	---	BIKE LANE SYMBOL & ARROW
0010	22+20	-	22+38	LT	---	---	1	1	---	---	---	---	---	---	---	---	---	BIKE LANE SYMBOL & ARROW
0010	23+85	-	24+03	RT	---	---	1	1	---	---	---	---	---	---	---	---	---	BIKE LANE SYMBOL & ARROW
0010	24+85	-	25+03	LT	---	---	1	1	---	---	---	---	---	---	---	---	---	BIKE LANE SYMBOL & ARROW
0010	25+22	-	25+64	LT	---	---	---	---	---	---	---	---	---	78	---	---	---	CROSSWALKS
0010	25+72	-	25+78	LT & RT	---	---	---	---	---	---	---	---	---	80	---	---	---	CROSSWALKS
0010	25+78	-	27+49	RT	171	---	---	---	---	---	---	---	---	---	---	---	---	WHITE EDGELINE
0010	27+49	-	27+89	RT	10	---	---	---	---	---	---	---	---	---	---	---	---	DOTTED WHITE EDGELINE
0010	25+78	-	27+89	CENTERLINE	53	---	---	---	---	---	---	---	---	---	---	---	---	YELLOW SKIPS
0010	25+78	-	26+43	LT	16	---	---	---	---	---	---	---	---	---	---	---	---	DOTTED WHITE EDGELINE
0010	25+78	-	26+43	LT	16	---	---	---	---	---	---	---	---	---	---	---	---	DOTTED WHITE BIKE EDGELINE
0010	26+24	-	26+42	LT	---	---	1	1	---	---	---	---	---	---	---	---	---	BIKE LANE SYMBOL & ARROW
0010	26+53	-	26+71	RT	---	---	1	1	---	---	---	---	---	---	---	---	---	BIKE LANE SYMBOL & ARROW
0010	26+56	-	27+48	LT	---	---	---	---	---	---	---	---	---	173	---	---	---	CROSSWALKS
0010	27+62	-	27+89	LT	7	---	---	---	---	---	---	---	---	---	---	---	---	DOTTED WHITE EDGELINE
0010	80+29	-	80+65	CENTERLINE	70	---	---	---	---	---	---	---	---	---	---	---	---	DOUBLE YELLOW
0010	80+76	-	---	RT	---	---	---	---	---	16	---	---	---	---	---	---	---	STOP LINE
0010	80+65	-	80+79	LT & RT	---	---	---	---	---	---	---	---	---	---	---	39	---	ISLAND CURB YELLOW
0010	27+89	-	27+99	LT & RT	---	---	---	---	---	---	---	---	---	66	80	---	---	CROSSWALKS
0010	90+25M	-	90+31M	LT & RT	---	---	---	---	---	---	---	---	---	96	---	---	---	CROSSWALKS
0010	90+31M	-	90+48M	CENTERLINE	33	---	---	---	---	---	---	---	---	---	---	---	---	DOUBLE YELLOW
0010	28+21	-	28+39	LT	---	---	1	1	---	---	---	---	---	---	---	---	---	BIKE LANE SYMBOL & ARROW
0010	27+99	-	28+12	LT	3	---	---	---	---	---	---	---	---	---	---	---	---	DOTTED WHITE EDGELINE
0010	28+12	-	30+73	LT	261	---	---	---	---	---	---	---	---	---	---	---	---	WHITE EDGELINE
0010	27+99	-	28+39	CENTERLINE	10	---	---	---	---	---	---	---	---	---	---	---	---	YELLOW SKIPS
0010	28+39	-	29+39	CENTERLINE	200	---	---	---	---	---	---	---	---	---	---	---	---	DOUBLE YELLOW
0010	28+39	-	30+94	LT	637	---	---	---	---	---	---	---	---	---	---	---	---	DOUBLE YELLOW
0010	28+95	-	29+13	RT	---	---	1	1	---	---	---	---	---	---	---	---	---	BIKE LANE SYMBOL & ARROW
0010	28+94	-	30+49	RT	155	---	---	---	---	---	---	---	---	---	---	---	---	WHITE EDGELINE
0010	30+49	-	30+99	RT	13	---	---	---	---	---	---	---	---	---	---	---	---	DOTTED WHITE EDGELINE
0010	30+19	-	30+99	RL	---	80	---	---	---	---	---	---	---	---	---	---	---	WHITE TURN LANE
0010	30+40	-	---	LT	---	---	1	---	---	---	---	---	---	---	---	---	---	LEFT TURN ARROW
0010	30+55	-	30+73	LT	---	---	1	1	---	---	---	---	---	---	---	---	---	BIKE LANE SYMBOL & ARROW
0010	30+93	-	---	LT	---	---	---	---	---	10	---	---	---	---	---	---	---	STOP LINE
0010	30+99	-	---	RT	---	---	---	---	---	15	---	---	---	---	---	---	---	STOP LINE
0010	30+86	-	31+24	LT & RT	---	---	---	---	---	---	---	---	---	112	---	---	---	CROSSWALKS
0010	100+00W	-	100+85W	RT	328	---	---	---	---	---	---	---	---	---	---	---	---	DOUBLE YELLOW
0010	100+85W	-	101+60W	CENTERLINE	150	---	---	---	---	---	---	---	---	---	---	---	---	DOUBLE YELLOW
0010	100+85W	-	101+60W	RT	75	---	---	---	---	---	---	---	---	---	---	---	---	TURN LANE
0010	101+08W	-	---	RT	---	---	1	---	---	---	---	---	---	---	---	---	---	LEFT TURN ARROW
0010	101+60W	-	---	RT	---	---	---	---	---	25	---	---	---	---	---	---	---	STOP LINE
0010	101+68W	-	102+04W	LT & RT	---	---	---	---	---	---	---	---	---	108	---	---	---	CROSSWALKS
0010	102+64W	-	102+98W	LT & RT	---	---	---	---	---	---	---	---	---	96	---	---	---	CROSSWALKS
0010	103+07W	-	---	LT & RT	---	---	---	---	---	25	---	---	---	---	---	---	---	STOP LINE
0010	103+07W	-	103+82W	RL	---	74	---	---	---	---	---	---	---	---	---	---	---	WHITE TURN LANE
0010	103+07W	-	104+82W	RT	520	---	---	---	---	---	---	---	---	---	---	---	---	DOUBLE YELLOW
0010	103+32W	-	103+41W	LT	---	---	---	---	---	---	---	---	---	---	---	---	1	ISLAND NOSE YELLOW
0010	103+32W	-	103+76W	LT	---	86	---	---	---	---	---	---	---	---	---	---	---	CHANNELIZING WHITE
0010	103+58W	-	---	RT	---	---	1	---	---	---	---	---	---	---	---	---	---	LEFT TURN ARROW

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PAVEMENT MARKINGS

CATEGORY	STATION	TO	STATION	LOCATION	646.1020 MARKING LINE EPOXY 4-INCH LF	646.3020 MARKING LINE EPOXY 8-INCH LF	646.5020 MARKING ARROW EPOXY EACH	646.5220 MARKING SYMBOL EPOXY EACH	646.5320 MARKING RAILROAD CROSSINGS EPOXY EACH	646.6020 MARKING STOP LINE EPOXY 12-INCH LF	646.6220 MARKING YIELD LINE EPOXY 18-INCH EACH	646.6320 MARKING DOTTED EXTENSION EPOXY 18-INCH LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	646.7520 MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH LF	646.8120 MARKING CURB EPOXY LF	646.8220 MARKING ISLAND NOSE EPOXY EACH	REMARKS
0010	103+68W	-	---	LT	---	---	1	---	---	---	---	---	---	---	---	---	---	RIGHT TURN ARROW
0010	31+96	-	32+02	RT	---	---	---	---	---	---	---	---	---	---	---	---	1	ISLAND NOSE YELLOW
0010	31+72	-	32+07	LT & RT	---	---	---	---	---	---	---	---	---	98	---	---	---	CROSSWALKS
0010	31+98	-	---	LT	---	---	---	---	---	15	---	---	---	---	---	---	---	STOP LINE
0010	32+02	-	---	LT	---	---	---	---	---	10	---	---	---	---	---	---	---	STOP LINE
0010	31+98	-	32+48	LT	13	---	---	---	---	---	---	---	---	---	---	---	---	DOTTED WHITE EDGELINE
0010	32+48	-	33+33	LT	83	---	---	---	---	---	---	---	---	---	---	---	---	WHITE EDGELINE
0010	31+98	-	32+78	LT	---	79	---	---	---	---	---	---	---	---	---	---	---	WHITE TURN LANE
0010	32+02	-	33+46	CENTERLINE	288	---	---	---	---	---	---	---	---	---	---	---	---	DOUBLE YELLOW
0010	32+05	-	32+30	RT	25	---	---	---	---	---	---	---	---	---	---	---	---	WHITE EDGELINE
0010	32+08	-	32+26	RT	---	---	1	1	---	---	---	---	---	---	---	---	---	BIKE LANE SYMBOL & ARROW
0010	32+25	-	32+34	RT	---	---	---	---	---	---	---	---	---	---	---	---	1	ISLAND NOSE YELLOW
0010	32+35	-	32+60	RT	---	---	---	---	---	---	---	---	---	47	---	---	---	CROSSWALKS
0010	32+35	-	32+55	RT	---	---	---	---	---	---	10	---	---	---	---	---	---	YIELD LINE
0010	32+54	-	---	LT	---	---	1	---	---	---	---	---	---	---	---	---	---	LEFT TURN ARROW
0010	32+82	-	33+00	RT	---	---	1	1	---	---	---	---	---	---	---	---	---	BIKE LANE SYMBOL & ARROW
0010	32+82	-	33+30	RT	48	---	---	---	---	---	---	---	---	---	---	---	---	WHITE EDGELINE
0010	33+14	-	33+32	LT	---	---	1	1	---	---	---	---	---	---	---	---	---	BIKE LANE SYMBOL & ARROW
				TOTAL 0010	7,564	319	26	21	1	116	10	56	34	1,829	80	39	6	

CONSTRUCTION STAKING

CATEGORY	STATION	TO	STATION	LOCATION	650.9910.01 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) (01. 4986-00-25) LS	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF
0010	10+20	-	33+31		1	---
0010	10+46	-	33+31		---	2,285
0010	1+00W9	-	2+44W9		---	144
0010	20+00S	-	21+53S		---	153
0010	30+15WA	-	30+43WA		---	28
0010	10+00EB9	-	10+86EB9		---	86
0010	50+08G	-	50+64G		---	56
0010	60+15H	-	60+35H		---	20
0010	70+02WI	-	70+66WI		---	64
0010	80+29B	-	81+04B		---	75
0010	90+17M	-	90+48M		---	31
0010	100+84W	-	102+14W		---	130
0010	102+63W	-	104+11W		---	148
				TOTAL 0010	1	3,220

LIGHTING WIRING AND CONDUIT

CATEGORY	FROM		TO	* 652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	* 652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	652.0325 CONDUIT RIGID NONMETALLIC SCHEDULE 80 2-INCH LF	* 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	655.0625 ELECTRICAL WIRE LIGHTING 6 AWG LF
0010	LC1	-	PB1	---	14	---	---	28
0010	PB1	-	PB2	---	---	100	---	400
0010	PB1	-	NOTE 13	115	---	---	115	---
0010	PB1	-	PB12	---	---	53	53	---
0010	PB2	-	LP1	38	---	---	---	152
0010	PB2	-	LP2	8	---	---	---	64
0010	PB2	-	PB3	72	---	---	---	288
0010	PB2	-	NOTE 13	49	---	---	49	0
0010	PB3	-	PB22	---	---	66	66	---
0010	PB3	-	PB4	99	---	---	---	396
0010	PB4	-	PB21	---	---	46	46	---
0010	PB4	-	NOTE 14	159	---	---	---	636
0010	NOTE 14	-	LP3	13	---	---	---	104
0010	NOTE 14	-	PB 5	204	---	---	---	816
0010	PB 5	-	LP4	8	---	---	---	64
0010	PB5	-	PB23	---	---	48	48	---
0010	PB5	-	PB6	---	---	84	---	336
0010	PB6	-	PB7	157	---	---	---	628
0010	PB7	-	LP5	7	---	---	---	56
0010	PB7	-	PB24	---	---	49	49	---
0010	PB7	-	PB8	205	---	---	---	820
0010	PB8	-	LP6	8	---	---	---	64
0010	PB8	-	PB25	---	---	49	49	---
0010	PB8	-	PB9	122	---	---	---	488
0010	PB9	-	PB26	---	---	48	48	---
0010	PB9	-	PB10	137	---	---	---	548
0010	PB10	-	LP7	5	---	---	---	40
0010	PB10	-	PB27	---	---	43	43	---
0010	PB10	-	PB11	135	---	---	---	540
0010	PB10	-	PB11	135	---	---	135	---
0010	PB10	-	END	81	---	---	81	---
0010	PB11	-	LP8	5	---	---	---	20
0010	PB11	-	END	26	---	---	42	---
0010	PB11	-	PB30	211	---	---	227	---
0010	LC1	-	PB13	---	14	---	---	28
0010	PB13	-	LP9	6	---	---	---	48
0010	PB13	-	PB14	40	---	---	---	160
0010	PB13	-	PB14	40	---	---	---	160
0010	PB14	-	LP10	15	---	---	---	120
0010	PB14	-	PB19	---	---	99	---	396
0010	PB14	-	PB15	103	---	---	---	412
0010	PB15	-	PB18	---	---	48	48	---
0010	PB15	-	NOTE 13	---	---	105	---	420
0010	NOTE 13	-	LP11	7	---	---	---	56
0010	NOTE 13	-	PB16	---	---	147	147	---
0010	NOTE 14	-	LP12	7	---	---	---	28
0010	NOTE 14	-	PB17	174	---	---	---	696
0010	PB17	-	PB18	---	---	66	---	264
0010	PB18	-	LP13	6	---	---	---	48
0010	PB18	-	PB19	150	---	---	---	600
0010	PB19	-	LP14	7	---	---	---	56
0010	PB19	-	PB20	108	---	---	---	432
0010	PB20	-	LP15	10	---	---	---	80
0010	PB20	-	PB21	113	---	---	---	452
0010	PB21	-	LP16	7	---	---	---	56
0010	PB21	-	NOTE 13	51	---	---	51	---

CONTINUED IN NEXT COLUMN

CONTINUED FROM PREVIOUS COLUMN

LIGHTING WIRING AND CONDUIT

CATEGORY	FROM		TO	* 652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	* 652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	652.0325 CONDUIT RIGID NONMETALLIC SCHEDULE 80 2-INCH LF	* 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	655.0625 ELECTRICAL WIRE LIGHTING 6 AWG LF
0010	PB21	-	PB22	---	---	86	---	344
0010	PB22	-	NOTE 13	68	---	---	68	---
0010	PB22	-	NOTE 14	150	---	---	---	600
0010	NOTE 14	-	LP17	8	---	---	---	64
0010	NOTE 14	-	PB23	129	---	---	---	516
0010	PB23	-	NOTE 14	125	---	---	---	500
0010	NOTE 14	-	LP18	9	---	---	---	72
0010	NOTE 14	-	PB24	105	---	---	---	420
0010	PB24	-	NOTE 14	126	---	---	---	504
0010	NOTE 14	-	LP19	8	---	---	---	64
0010	NOTE 14	-	PB25	82	---	---	---	328
0010	PB25	-	PB26	---	---	116	---	464
0010	PB25	-	END	52	---	---	68	---
0010	PB26	-	LP20	7	---	---	---	56
0010	PB26	-	PB27	150	---	---	150	---
0010	PB26	-	END	100	---	---	116	---
0010	PB26	-	END	132	---	---	148	---
0010	PB27	-	END	30	---	---	46	---
0010	PB18	-	PB28	63	---	---	63	---
0010	PB28	-	END	62	---	---	---	248
0010	PB28	-	PB36	---	---	44	---	176
0010	PB29	-	END	66	---	---	---	264
0010	PB29	-	LP21	11	---	---	---	44
0010	PB29	-	CAP	159	---	---	159	---
0010	NOTE 12	-	PB37	---	---	---	---	360
0010	NOTE 10	-	NOTE 9	10	---	---	---	40
0010	NOTE 9	-	NOTE 11	---	---	---	---	520
0010	NOTE 13	-	NOTE 13	205	---	---	237	---
			TOTAL 0010	4,700	28	1,297	2,352	16,584
0020	FOAB1	-	FOAB2	174	---	---	174	---
0020	FOAB2	-	FOAB3	123	---	70	193	---
0020	FOAB3	-	FOAB4	---	---	109	109	---
0020	FOAB4	-	FOAB5	---	---	109	109	---
0020	FOAB5	-	FOAB6	153	---	---	153	---
0020	FOAB6	-	FOAB7	371	---	---	371	---
0020	FOAB7	-	FOAB8	413	---	40	453	---
0020	FOAB8	-	FOAB9	177	---	---	177	---
0020	PB30	-	FOAB10	98	---	60	158	---
			TOTAL 0020	1,509	0	388	1,897	0
			PROJECT TOTAL	6,209	28	1,685	4,249	16,584

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

LIGHTING CONTROL CABINET ITEMS

CATEGORY	CABINET NUMBER	STATION	ALIGN	OFFSET	LOCATION	650.8500.01 CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS (PROJECT) (01. 4986-00-25) LS	654.0230 CONCRETE CONTROL CABINET BASES TYPE L30 EACH	656.0200.02 ELECTRICAL SERVICE METER BREAKER PEDESTAL (LOCATION) (02. STA. 1+51'C') LS	659.2130 LIGHTING CONTROL CABINETS 120/240 30-INCH EACH
0010	LC1	1+51	'C'	36.9	RT	1	1	1	1
					TOTAL 0010	1	1	1	1

STREET LIGHTING POLES

CATEGORY	LIGHT NUMBER	STATION	ALIGN	OFFSET	LOCATION	* 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	SPV.0060.54 SPECIAL (54. ORNAMENTAL STREET LIGHT) EACH	SPV.0060.55 SPECIAL (55. COBRA HEAD STREET LIGHT) EACH
0010	LP1	10+54	'9WB'	22.5	LT	60	1	---
0010	LP2	0+24	'C'	42.3	LT	120	---	1
0010	LP3	18+36	'M'	21.7	RT	60	1	---
0010	LP4	20+62	'M'	21.4	RT	60	1	---
0010	LP5	22+97	'M'	20.8	RT	60	1	---
0010	LP6	25+02	'M'	20.2	RT	60	1	---
0010	LP7	27+57	'M'	19.0	RT	120	---	1
0010	LP8	28+92	'M'	21.3	RT	120	---	1
0010	LP9	1+47	'C'	32.9	RT	120	---	1
0010	LP10	13+91	'M'	31.1	RT	60	1	---
0010	LP11	11+91	'M'	21.2	RT	60	1	---
0010	LP12	10+56	'M'	23.7	RT	60	1	---
0010	LP13	13+08	'M'	25.4	LT	60	1	---
0010	LP14	14+09	'M'	48.4	LT	120	---	1
0010	LP15	15+76	'M'	33.3	LT	60	1	---
0010	LP16	16+97	'M'	29.1	LT	60	1	---
0010	LP17	19+35	'M'	29.3	LT	60	1	---
0010	LP18	21+71	'M'	28.4	LT	60	1	---
0010	LP19	24+03	'M'	26.7	LT	60	1	---
0010	LP20	26+16	'M'	26.5	LT	60	1	---
0010	LP21	20+70	'S'	23.0	RT	60	1	---
					TOTAL 0010	1,560	16	5

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

PULLBOXES

CATEGORY	PULLBOX NUMBER	STATION	ALIGN	OFFSET	LOCATION	653.0164 PULL BOXES NON-CONDUCTIVE 24X42-INCH EACH	SPV.0060.56 SPECIAL (56. FIBER OPTIC ACCESS BOX) EACH
0010	PB1	1+54	'C'	41.8	RT	1	---
0010	PB2	0+22	'C'	48.8	RT	1	---
0010	PB3	15+85	'M'	18.7	RT	1	---
0010	PB4	16+90	'M'	21.1	RT	1	---
0010	PB5	20+54	'M'	20.7	RT	1	---
0010	PB6	21+33	'M'	20.3	RT	1	---
0010	PB7	22+90	'M'	20.8	RT	1	---
0010	PB8	24+94	'M'	20.5	RT	1	---
0010	PB9	26+16	'M'	20.9	RT	1	---
0010	PB10	27+52	'M'	19.3	RT	1	---
0010	PB11	28+87	'M'	22.2	RT	1	---
0010	PB12	1+50	'C'	16.6	LT	1	---
0010	PB13	1+49	'C'	36.9	RT	1	---
0010	PB14	14+14	'M'	35.3	RT	1	---
0010	PB15	13+03	'M'	23.4	RT	1	---
0010	PB16	10+51	'M'	24.2	RT	1	---
0010	PB17	12+37	'M'	23.5	LT	1	---
0010	PB18	13+02	'M'	24.5	LT	1	---
0010	PB19	14+05	'M'	49.3	LT	1	---
0010	PB20	15+85	'M'	34.0	LT	1	---
0010	PB21	16+91	'M'	25.0	LT	1	---
0010	PB22	17+77	'M'	27.3	LT	1	---
0010	PB23	20+56	'M'	27.6	LT	1	---
0010	PB24	22+85	'M'	28.3	LT	1	---
0010	PB25	24+93	'M'	27.9	LT	1	---
0010	PB26	26+09	'M'	26.9	LT	1	---
0010	PB27	27+58	'M'	23.4	LT	1	---
0010	PB28	20+75	'S'	20.5	LT	1	---
0010	PB29	20+69	'S'	23.0	RT	1	---
0010	PB30	30+74	'M'	52.1	RT	1	---
					TOTAL 0010	30	0
0020	FOAB1	10+44	'M'	23.4	LT	---	1
0020	FOAB2	12+25	'M'	19.6	LT	---	1
0020	FOAB3	14+02	'M'	43.6	LT	---	1
0020	FOAB4	1+47	'C'	48.6	RT	---	1
0020	FOAB5	0+18	'C'	46.4	RT	---	1
0020	FOAB6	16+65	'M'	20.9	RT	---	1
0020	FOAB7	20+43	'M'	21.7	RT	---	1
0020	FOAB8	24+94	'M'	19.9	RT	---	1
0020	FOAB9	27+06	'M'	18.8	RT	---	1
0020	FOAB10	103+18	'W'	30.6	LT	---	1
					TOTAL 0020	0	10
					PROJECT TOTAL	30	10

SAWING ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF
0010	10+20	-	10+46	LT & RT	---	91
0010	10+46	-	---	LT	---	5
0010	10+46	-	---	RT	---	5
0010	10+46	-	11+20	LT	77	---
0010	10+46	-	11+90	RT	146	---
0010	1+00W9	-	---	LT & RT	---	37
0010	1+03W9	-	1+20W9	LT	---	24
0010	1+15W9	-	1+59W9	RT	46	5
0010	1+91W9	-	---	LT	---	5
0010	19+90S	-	---	LT & RT	28	---
0010	20+00S	-	---	LT & RT	---	15
0010	20+11S	-	20+26S	RT	15	---
0010	20+21S	-	20+38S	LT	---	12
0010	20+39S	-	---	RT	---	7
0010	20+80S	-	---	RT	---	5
0010	30+40WA	-	---	RT	---	5
0010	30+43WA	-	---	LT & RT	---	5
0010	30+49WA	-	---	LT	---	5
0010	30+63WA	-	---	LT & RT	28	---
0010	10+26EB9	-	---	RT	---	5
0010	10+86EB9	-	---	LT & RT	---	39
0010	10+35EB9	-	10+76EB9	RT	19	34
0010	10+62WB9	-	---	LT	---	5
0010	14+61	-	---	LT	---	2
0010	14+94	-	---	LT	---	4
0010	15+04	-	15+56	LT	---	18
0010	15+65	-	---	LT	---	4
0010	16+71	-	---	LT	---	4
0010	50+02G	-	---	LT & RT	27	---
0010	50+08G	-	---	RT	---	3
0010	50+20G	-	---	RT	---	5
0010	50+22G	-	---	LT	---	3
0010	50+60G	-	---	LT	---	5
0010	17+82	-	18+24	LT	---	43
0010	18+11	-	18+25	RT	13	---
0010	18+76	-	---	LT	---	6
0010	18+90	-	---	LT	---	3
0010	18+92	-	19+03	LT	---	10
0010	19+26	-	---	LT	---	7
0010	19+42	-	---	LT	---	4
0010	19+43	-	19+63	LT	20	---
0010	20+42	-	---	RT	---	4
0010	20+54	-	---	LT	---	5
0010	20+62	-	20+72	LT	10	---
0010	60+35H	-	---	RT	---	7
0010	60+46H	-	---	LT	---	7
0010	60+63H	-	---	LT & RT	21	---
0010	20+94	-	---	LT	---	6
0010	21+21	-	21+57	LT	36	---
0010	21+64	-	---	RT	---	5
0010	21+68	-	---	LT	---	4
0010	22+18	-	---	LT	---	4
0010	22+41	-	---	RT	---	5
0010	22+63	-	22+79	RT	16	---
0010	22+91	-	---	LT	---	3

CONTINUED IN NEXT COLUMN

CONTINUED FROM PREVIOUS COLUMN

SAWING ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF
0010	22+03	-	---	RT	---	2
0010	23+31	-	---	RT	---	5
0010	23+47	-	23+66	RT	19	---
0010	23+55	-	24+11	LT	56	---
0010	24+06	-	---	RT	---	5
0010	24+33	-	---	LT	---	8
0010	70+02WI	-	---	LT & RT	24	3
0010	70+22WI	-	---	LT & RT	---	8
0010	70+59WI	-	---	LT	---	5
0010	25+96	-	---	LT	---	4
0010	26+76	-	26+81	RT	10	---
0010	80+29B	-	---	LT & RT	---	50
0010	28+00	-	28+06	LT	10	---
0010	90+48M	-	---	LT & RT	---	48
0010	28+16	-	29+60	LT	100	---
0010	28+79	-	29+20	RT	50	---
0010	29+43	-	---	RT	---	3
0010	30+07	-	---	RT	---	5
0010	30+40	-	---	RT	---	8
0010	31+30	-	---	RT	---	5
0010	100+85W	-	---	LT & RT	---	55
0010	101+35WW	-	101+64W	LT	38	---
0010	101+79W	-	102+10W	LT	31	---
0010	103+61W	-	104+05W	RT	46	---
0010	104+11W	-	---	LT & RT	---	62
0010	10+01NEQ	-	---	RT	---	5
0010	10+25NEQ	-	---	RT	---	5
0010	32+30	-	32+63	LT	33	---
0010	33+09	-	---	LT	---	4
0010	33+27	-	---	LT	---	4
0010	33+30	-	---	LT & RT	---	49
				TOTAL 0010	919	823

SALVAGE AND REINSTALL FLASHING LIGHT

CATEGORY	STATION	LOCATION	SPV.0060.59 SPECIAL (59. SALVAGE AND REINSTALL FLASHING LIGHT) EACH
0010	11+64	RT	1
0010	12+08	LT	1
		TOTAL 0010	2

CONTAMINATED SOIL AND WATER MANAGEMENT

CATEGORY	STATION	TO	STATION	LOCATION	SPV.0060.58 SPECIAL (58. MANAGEMENT OF PETROLEUM CONTAMINATED WATER) EACH	SPV.0195.01 SPECIAL (01. CONTAMINATED SOIL MANAGEMENT) TON
0010	101+60W	-	103+10W	LT	1	300
				TOTAL 0010	1	300

STORM SEWER LATERALS

CATEGORY	STATION	LOCATION	SPV.0090.15 SPECIAL (15. STORM SEWER LATERALS) LF
0020	20+52S	RT	22
0020	20+75	RT	22
0020	14+20	LT	30
0020	16+10	LT	23
0020	18+65	LT	28
0020	20+25	LT	8
0020	20+28	LT	12
0020	20+52	RT	28
0020	60+50H	LT	8
0020	21+08	LT	40
0020	21+90	LT	13
0020	21+98	LT	12
0020	22+05	RT	12
0020	23+02	LT	42
0020	25+85	LT	12
0020	28+96	RT	22
0020	29+53	RT	6
0020	29+57	RT	22
		TOTAL 0020	362

SAWING CURB HEAD

CATEGORY	STATION	TO	STATION	LOCATION	SPV.0090.16 SPECIAL (16. SAWING CURB HEAD) LF
0010	10+96'EB9'	-	11+05'EB9'	LT	9
				TOTAL 0010	9

HYDRO MULCH

CATEGORY	STATION	TO	STATION	LOCATION	SPV.0180.01 SPECIAL (01. HYDRO MULCH) SY
0010	10+46	-	12+53	RT	212
0010	10+46	-	12+40	LT	223
0010	1+00W9	-	2+45W9	LT	89
0010	1+00W9	-	2+42W9	RT	261
0010	20+00S	-	20+86S	RT	121
0010	20+00S	-	21+37S	LT	88
0010	12+86	-	14+68	RT	224
0010	10+60'EB9'	-	10+86'EB9'	RT	16
0010	14+67	-	14+99	LT & RT	90
0010	12+98	-	17+20	LT	671
0010	15+22	-	20+74	RT	450
0010	17+42	-	25+22	LT	544
0010	21+15	-	28+26	RT	599
0010	25+42	-	27+31	LT	103
0010	27+50	-	30+83	LT	212
0010	28+67	-	31+29	RT	177
0010	100+84W	-	101+66W	RT	39
0010	10+01NEQ	-	11+76NEQ	RT	90
0010	31+75	-	33+34	LT	72
0010	UNDISTRIBUTED				857
				TOTAL 0010	5,138

3

PULL BOXES STEEL

CATEGORY	NUMBER	STATION	LOCATION	(653.0140) 24x42-INCH EACH
MILITARY RD & WESTERN AVE				
0010	PB1	31+05.8	31.2' RT	1
0010	PB2	30+85.4	20.2' RT	1
0010	PB3	31+28.5	20.7' RT	1
0010	PB4	30+78.3	30.8' LT	1
0010	PB5	30+82.1	52.9' LT	1
0010	PB6	30+80.6	69.5' LT	1
0010	PB7	31+55.79	41.14' LT	1
0010	PB8	32+14.5	29.7' LT	1
0010	PB9	32+18.6	40.1' RT	1
0010	PB10	32+59.3	46.9' RT	1
0010	PB11	32+26.2	54.8' RT	1
PROJECT TOTALS				**11**

CONCRETE BASES

CATEGORY	NUMBER	STATION	LOCATION	(654.0101) TYPE 1 EACH	(654.0102) TYPE 2 EACH	(654.0105) TYPE 5 EACH
MILITARY RD & WESTERN AVE						
0010	SB1	31+21.2	22.9' RT	-	-	1
0010	SB2	30+73.3	29.8' LT	-	1	-
0010	SB3	30+82.6	34.7' LT	1	-	-
0010	SB4	30+89.3	48.4' LT	-	-	1
0010	SB5	31+51.2	49.7' LT	-	1	-
0010	SB6	31+76.5	31.0' LT	-	-	1
0010	SB7	32+14.7	19.7' RT	-	1	-
0010	SB8	32+06.1	24.6' RT	1	-	-
0010	SB9	32+12.5	36.0' RT	1	-	-
0010	SB10	32+60.4	39.8' RT	-	-	1
0010	SB11	31+50.5	37.2' RT	-	1	-
PROJECT TOTALS				**3**	**4**	**4**

CONDUIT RIGID NONMETALLIC

CATEGORY	FROM	TO	* (652.0225) SCHEDULE 40 2-INCH LF	* (652.0235) SCHEDULE 40 3-INCH LF	(652.0335) SCHEDULE 80 3-INCH LF	NOTES
MILITARY RD & WESTERN AVE						
0010	CB1	PB1	-	9	-	3-3"
0010	PB1	PB2	22	-	-	-
0010	PB1	PB3	-	48	-	2-3"
0010	PB3	SB1	6	-	-	-
0010	PB3	PB4	-	-	140	2-3"
0010	PB3	SB11	27	-	-	-
0010	PB3	PB9	-	-	182	2-3"
0010	PB4	SB2	5	-	-	-
0010	PB4	SB3	5	-	-	-
0010	PB4	PB5	-	42	-	2-3"
0010	PB5	PB6	15	-	-	-
0010	PB5	SB4	8	-	-	-
0010	PB5	PB7	-	-	150	2-3"
0010	PB7	SB5	10	-	-	-
0010	PB7	SB6	23	-	-	-
0010	PB7	PB8	60	-	-	-
0010	PB7	PB9	-	-	206	2-3"
0010	PB9	SB7	20	-	-	-
0010	PB9	SB8	19	-	-	-
0010	PB9	SB9	7	-	-	-
0010	PB9	PB10	-	-	38	1-3"
0010	PB9	PB11	15	-	-	-
0010	PB10	SB10	7	-	-	-
PROJECT TOTALS			**249**	**99**	**716**	

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

LOOP DETECTORS

CATEGORY	LOOP NUMBER	STATION	OFFSET	SIZE	NUMBER OF TURNS	(652.0800) CONDUIT LOOP DETECTOR LF	(655.0700) LOOP DETECTOR LEAD IN CABLE LF	(655.0800) LOOP DETECTOR WIRE LF
MILITARY RD & WESTERN AVE								
0010	21	32+20.8	16' LT	6'x20'	3	76	252	228
0010	22	31+92+7	15' LT	6'x20'	4	74	252	296
0010	23	32+26+8	6' LT	6'x20'	4	102	252	408
0010	24	31+98+8	6' LT	6'x20'	3	94	252	282
0010	41	32+15.3	66' RT	6'x20'	2	76	133	152
0010	42	31+99.5	43' RT	6'x20'	3	76	133	228
0010	43	32+05.0	73' RT	6'x20'	3	100	133	300
0010	44	31+89.2	50' RT	6'x20'	2	102	133	204
0010	61	30+74.9	6' RT	6'x20'	2	82	25	164
0010	62	31+02.9	6' RT	6'x20'	3	74	25	222
0010	63	30+69.1	5' LT	6'x20'	3	110	25	330
0010	64	30+97.1	5' LT	6'x20'	2	98	25	196
0010	81	30+84.9	81' LT	6'x20'	2	70	133	140
0010	82	31+00.4	58' LT	6'x20'	3	66	133	198
0010	83	30+96.1	88.4' LT	6'x20'	3	96	133	288
0010	84	31+11.6	65' LT	6'x20'	2	92	133	184
PROJECT TOTALS						**1,388**	**2,172**	**3,820**

INTERSECTION ITEMS

CATEGORY		(SPV.0060.52) TRAFFIC SIGNAL CONTROL CABINET AND CONTROLLER EACH	(654.0217) CONCRETE CONTROL CABINET BASE TYPE 9 SPECIAL EACH	(656.0200.01) ELECTRICAL SERVICE, METER BREAKER PEDESTAL LS	(SPV.0060.61) REMOVE, SALVAGE & REINSTALL GPS PREEMPTION EACH	(SPV.0060.62) REMOVE & SALVAGE TRAFFIC SIGNAL EQUIPMENT EACH	(SPV.0060.63) REMOVE & SALVAGE TRAFFIC SIGNAL EQUIPMENT EACH	(658.5069) SIGNAL MOUNTING HARDWARE LS	(678.0500) COMMUNICATION SYSTEM TESTING LS	(670.0100) FIELD SYSTEM INTEGRATOR LS
0010	MILITARY RD & WESTERN AVE	1	1	1	1	-	1	1	1	1
0010	MILITARY RD & W 9TH ST	-	-	-	-	1	-	-	-	-
	PROJECT TOTALS	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**

TRAFFIC SIGNAL ITEMS

CATEGORY	SIGNAL BASE NUMBER	HEAD NUMBER	(657.0100) PEDESTAL BASES EACH	(657.0255) TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	(657.0430) TRAFFIC SIGNAL STANDARDS ALUMINUM 10-FT EACH	(657.0420) TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FOOT EACH	(657.0305) POLES TYPE 2 EACH	(657.0322) POLES TYPE 5 ALUMINUM EACH	(657.0590) TROMBONE ARMS 20-FT EACH	(657.0610) LUMINAIRE ARMS SINGLE MEMBER 4 1/2-INCH CLAMP 6-FT EACH	(SPV.0060.57) COBRA HEAD STREET LIGHT - FIXTURE ONLY EACH
MILITARY RD & WESTERN AVE											
0010	SB1	6A, 2C	-	1	-	-	-	1	-	1	1
0010	SB2	2B	-	1	-	-	1	-	1	-	-
0010	SB3	-	1	-	1	-	-	-	-	-	-
0010	SB4	4C, 8A	-	1	-	-	-	1	-	1	1
0010	SB5	4B	-	1	-	-	1	-	1	-	-
0010	SB6	2A, 6C	-	1	-	-	-	1	-	1	1
0010	SB7	6B	-	1	-	-	1	-	1	-	-
0010	SB8	8C	1	-	-	1	-	-	-	-	-
0010	SB9	4A	1	-	-	1	-	-	-	-	-
0010	SB10	-	-	1	-	-	-	1	-	1	1
0010	SB11	8B	-	1	-	-	1	-	1	-	-
	PROJECT TOTALS		**3**	**8**	**1**	**2**	**4**	**4**	**4**	**4**	**4**

TRAFFIC SIGNAL HEADS

CATEGORY	SIGNAL BASE NUMBER	HEAD NUMBER	(658.0173) TRAFFIC SIGNAL FACE 3S 12-INCH EACH	(658.0416) PEDESTRIAN SIGNAL FACE 16-INCH EACH	(SPV.0060.53) AUDIBLE-TACTILE PEDESTRIAN PUSH BUTTON UNIT EACH
MILITARY RD & WESTERN AVE					
0010	SB1	2C	1	-	-
0010		6A	1	-	-
0010		8-2	-	1	-
0010		B	-	-	1
0010	SB2	2B	1	-	-
0010	SB3	8-1	-	1	-
0010		B	-	-	1
0010	SB4	4C	1	-	-
0010		8A	1	-	-
0010		2-2	-	1	-
0010		B	-	-	1
0010	SB5	4B	1	-	-
0010		2-1	-	1	-
0010		B	-	-	1
0010	SB6	2A	1	-	-
0010		6C	1	-	-
0010		4-2	-	1	-
0010		B	-	-	1
0010	SB7	6B	1	-	-
0010	SB8	8C	1	-	-
0010		4-1	-	1	-
0010		B	-	-	1
0010	SB9	4A	1	-	-
0010		6-2	-	1	-
0010		B	-	-	1
0010	SB10	-	-	-	-
0010	SB11	8B	1	-	-
0010		6-1	-	1	-
0010		B	-	-	1
	PROJECT TOTALS		**12**	**8**	**8**

ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG

CATEGORY	FROM	TO	(655.0515) GROUNDING CONDUCTOR (WHITE) L.F.	(655.0515) EQUIPMENT GROUNDING CONDUCTOR (GREEN) L.F.
MILITARY RD & WESTERN AVE				
0010	CB1	SB1	72	72
0010	SB1	SB2	113	113
0010	SB2	SB3	26	26
0010	SB3	SB4	66	66
0010	SB4	SB5	124	124
0010	SB5	SB6	48	48
0010	SB6	SB7	178	178
0010	SB7	SB8	55	55
0010	SB8	SB9	42	42
0010	SB9	SB10	84	84
0010	SB10	SB11	211	211
0010	SB11	CB1	86	86
0010	CB1	PB1	-	3
0010	SB1	PB3	-	8
0010	SB3	PB4	-	7
0010	SB4	PB5	-	10
0010	SB5	PB7	-	11
0010	SB9	PB9	-	9
0010	SB10	PB10	-	9
	SUBTOTAL		**1105**	**1162**
	PROJECT TOTALS		**2,267**	

CABLE TRAFFIC SIGNAL

CATEGORY	FROM	TO	(655.0210) 3-14 AWG LF	(655.0240) 7-14 AWG LF	(655.0270) 15-14 AWG LF
MILITARY RD & WESTERN AVE					
0010	CB1	SB1	-	-	71
0010	SB1	HEAD 2C	-	19	-
0010	SB1	HEAD 6A	-	19	-
0010	SB1	PED HEAD 8-2	18	-	-
0010	SB1	PED BUTTON	6	-	-
0010	CB1	SB2	-	-	156
0010	SB2	HEAD 2B	-	45	-
0010	CB1	SB3	-	-	156
0010	SB3	PED HEAD 8-1	18	-	-
0010	SB3	PED BUTTON	6	-	-
0010	CB1	SB4	-	-	196
0010	SB4	HEAD 4C	-	19	-
0010	SB4	HEAD 8A	-	19	-
0010	SB4	PED HEAD 2-2	18	-	-
0010	SB4	PED BUTTON	6	-	-
0010	CB1	SB5	-	-	272
0010	SB5	HEAD 4B	-	45	-
0010	SB5	PED HEAD 2-1	18	-	-
0010	SB5	PED BUTTON	6	-	-
0010	CB1	SB6	-	-	286
0010	SB6	HEAD 2A	-	19	-
0010	SB6	HEAD 6C	-	19	-
0010	SB6	PED HEAD 4-2	18	-	-
0010	SB6	PED BUTTON	6	-	-
0010	CB1	SB7	-	-	192
0010	SB7	HEAD 6B	-	45	-
0010	CB1	SB8	-	-	191
0010	SB8	HEAD 8C	-	19	-
0010	SB8	PED HEAD 4-1	18	-	-
0010	SB8	PED BUTTON	6	-	-
0010	CB1	SB9	-	-	179
0010	SB9	HEAD 4A	-	19	-
0010	SB9	PED HEAD 6-2	18	-	-
0010	SB9	PED BUTTON	6	-	-
0010	CB1	SB10	-	-	-
0010	CB1	SB11	-	-	92
0010	SB11	HEAD 8B	-	45	-
0010	SB11	PED HEAD 6-1	18	-	-
0010	SB11	PED BUTTON	6	-	-
	PROJECT TOTALS		**192**	**332**	**1,791**

LIGHTING CABLE AND WIRE

CATEGORY	FROM	TO	(655.0305) CABLE TYPE UF 2-12 AWG LF	* (655.0610) ELECTRICAL WIRE LIGHTING 12 AWG LF
MILITARY RD & WESTERN AVE				
0010	CB1	SB1	71	-
0010	SB1	LUM	-	117
0010	CB1	SB4	196	-
0010	SB4	LUM	-	117
0010	CB1	SB6	286	-
0010	SB6	LUM	-	117
0010	CB1	SB10	226	-
0010	SB10	LUM	-	117
	PROJECT TOTALS		**779**	**468**

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

3

REMOVE EXISTING SANITARY STRUCTURE

CATEGORY	STREET	STATION	OFFSET DISTANCE	OFFSET DIRECTION	SPV.0060.01 REMOVE EX. SANITARY MANHOLE EACH	COMMENTS
0020	MILITARY	10+96.3	11.4'	RT	1	BULKHEAD PIPES OUT OF MANHOLE
	MILITARY	11+18.2	8.3'	LT	1	BULKHEAD PIPES OUT OF MANHOLE
	MILITARY	11+38.9	8.9'	LT	1	SAME TRENCH AS NEW SANITARY/ BULKHEAD PIPES OUT OF MANHOLE
	W. 9TH	1+99.8	12.0'	RT	1	SAME TRENCH AS NEW SANITARY
	MILITARY	12+64.8	10.0'	LT	1	BULKHEAD PIPES OUT OF MANHOLE
	MILITARY	13+60.1	11.6'	LT	1	BULKHEAD PIPES OUT OF MANHOLE
	MILITARY	14+85.7	31.3'	LT	1	BULKHEAD PIPES OUT OF MANHOLE
	MILITARY	17+47.9	15.5'	LT	1	SAME TRENCH AS NEW SANITARY/ BULKHEAD PIPES OUT OF MANHOLE
	MILITARY	20+90.1	15.5'	LT	1	BULKHEAD PIPES OUT OF MANHOLE
	MILITARY	25+62.5	14.5'	LT	1	SAME TRENCH AS NEW SANITARY/ BULKHEAD PIPES OUT OF MANHOLE
	MILITARY	31+08.5	16.2'	LT	1	BULKHEAD PIPES OUT OF MANHOLE
	WESTERN	101+75.4	10.6'	RT	1	SAME TRENCH AS NEW SANITARY/ BULKHEAD PIPES OUT OF MANHOLE
	MILITARY	31+18.1	0.9'	RT	1	SAME TRENCH AS NEW SANITARY
	MILITARY	31+45.4	15.3'	LT	1	BULKHEAD PIPES OUT OF MANHOLE
TOTAL PROJECT 4986-00-25					14	

SANITARY LATERAL AND WATER SERVICE

CATEGORY	STATION	LOCATION	SPV.0090.01 SANITARY LATERAL 6-INCH LF	SPV.0090.02 POLYETHYLENE WATER SERVICE 1-1/4 INCH LF	SPV.0090.03 POLYETHYLENE WATER SERVICE 1-1/2 INCH LF	SPV.0060.50 CORPORATION, CURB CURB, BOX, SADDLE & UNION 1-1/4 INCH EACH	SPV.0060.51 CORPORATION, CURB STOP, BOX, SADDLE & UNION 1-1/2 INCH EACH	SPV.0060.64 TEMPORARY WATER SERVICE PROJECT 4986-00-25 EA
0020	10+96	LT	35	-	-	-	-	-
	13+84	LT	42	-	-	-	-	-
	15+10	LT	45	-	-	-	-	-
	15+43	LT	42	-	-	-	-	-
	15+90	LT	42	-	-	-	-	-
	16+46	LT	41	-	-	-	-	-
	16+54	LT	29	-	-	-	-	-
	16+98	LT	30	-	-	-	-	-
	17+48	RT	31	-	-	-	-	-
	17+99	LT	37	-	-	-	-	-
	18+37	LT	37	-	-	-	-	-
	18+69	LT	37	-	-	-	-	-
	18+77	RT	31	-	-	-	-	-
	19+24	LT	37	-	-	-	-	-
	19+28	RT	31	-	-	-	-	-
	19+90	LT	37	-	-	-	-	-
	20+34	RT	31	-	-	-	-	-
	20+49	LT	37	-	-	-	-	-
	20+85	LT	37	-	-	-	-	-
	21+61	LT	37	-	-	-	-	-
	21+81	RT	30	-	-	-	-	-
	22+31	LT	38	-	-	-	-	-
	22+33	RT	31	-	-	-	-	-
	22+57	LT	38	-	-	-	-	-
	23+05	LT	38	-	-	-	-	-
	23+23	RT	31	-	-	-	-	-
	23+77	LT	38	-	-	-	-	-
	23+99	RT	31	-	-	-	-	-
	25+10	RT	31	-	-	-	-	-
	70+25	RT	28	-	-	-	-	-
	70+37	LT	19	-	-	-	-	-
	70+66	LT	26	-	-	-	-	-
	26+22	LT	39	-	-	-	-	-
	26+68	LT	49	-	-	-	-	-
	27+65	RT	33	-	-	-	-	-
	29+45	LT	36	-	-	-	-	-
	29+52	RT	29	-	-	-	-	-
	29+96	RT	28	-	-	-	-	-
	30+59	RT	28	-	-	-	-	-
	30+98	RT	31	-	-	-	-	-
	103+98	LT	46	-	-	-	-	-
	15+02	LT	-	26	-	1	-	-
	15+84	LT	-	30	-	1	-	-
	18+59	RT	-	42	-	1	-	-
	18+66	LT	-	26	-	1	-	-
	19+26	LT	-	26	-	1	-	-
	20+22	RT	-	42	-	1	-	-
	20+51	LT	-	26	-	1	-	-
	20+77	LT	-	26	-	1	-	-
	21+59	LT	-	26	-	1	-	-
	22+27	LT	-	27	-	1	-	-
	22+37	RT	-	42	-	1	-	-
	22+81	LT	-	27	-	1	-	-
	23+16	RT	-	42	-	1	-	-
	23+85	LT	-	27	-	1	-	-
	23+97	RT	-	42	-	1	-	-
	26+21	LT	-	28	-	1	-	-
	27+67	RT	-	44	-	1	-	-
	29+50	LT	-	-	26	-	1	-
UNDISTRIBUTED			21	16	9			1
TOTAL PROJECT 4986-00-25			1445	565	35	17	1	1

REMOVE EXISTING WATER STRUCTURE

CATEGORY	STREET	STATION	OFFSET DIST.	OFFSET DIR.	SPV.0060.02 REMOVE EX. WATER VALVE BOX EACH	SPV.0060.03 REMOVE EX. HYDRANT EACH
0020	MILITARY	11+72.9	45.3	LT	1	-
	W. 9TH	1+67.3	12.1'	LT	1	-
	MILITARY	12+06.8	45.0'	LT	1	-
	MILITARY	12+19.2	30.3'	LT	1	-
	MILITARY	12+70.5	14.7'	RT	1	-
	MILITARY	17+10.4	23.3'	LT	1	-
	GROVE	50+36.2	17.6'	LT	1	-
	MILITARY	17+56.3	22.8'	LT	1	-
	MILITARY	17+63.4	15.1'	LT	1	-
	GROVE	50+61.4	26.7'	LT	-	1
	MILITARY	17+97.9	5.9'	RT	1	-
	MILITARY	21+05.6	13.4'	LT	1	-
	HENNING	60+18.8	19.1'	LT	1	-
	HENNING	60+20.6	23.2'	LT	-	1
	HENNING	60+43.9	10.1'	LT	1	-
	MILITARY	21+14.3	7.1'	RT	1	-
	MILITARY	24+98.0	20.4'	LT	1	-
	MILITARY	25+11.5	25.4'	LT	1	-
	MILITARY	25+11.7	28.9'	LT	-	1
	MILITARY	25+54.7	7.4'	RT	1	-
	MILITARY	25+56.0	16.1'	LT	1	-
	MILITARY	25+58.2	7.2'	RT	1	-
	WILKINS	70+69.9	4.4'	LT	1	-
	MILITARY	30+28.5	7.4'	RT	1	-
	MILITARY	31+30.6	17.4'	RT	1	-
	WESTERN	101+69.4	32.4'	RT	-	1
	WESTERN	102+10.1	12.9'	LT	1	-
	WESTERN	102+57.0	25.5'	LT	1	-
	TOTAL PROJECT 4986-00-25				24	4

ADJUST EXISTING WATER STRUCTURE

CATEGORY	STREET	STATION	OFFSET DIST.	OFFSET DIR.	SPV.0060.04 ADJUST EX. VALVE BOX EACH	SPV.0060.05 ADJUST EX. CURB STOP BOX EACH
0020	W. 9TH	12+18.2	93.0'	LT	-	1
	SUPERIOR	12+75.6	94.1'	LT	1	-
	W. 9TH	14+51.5	70.3'	RT	1	-
	GROVE	50+31.0	24.3'	LT	-	1
	TOTAL PROJECT 4986-00-25				2	2

WATER MAIN PIPE

CATEGORY	STREET	STATION	OFFSET DISTANCE	OFFSET DIRECTION	TO STREET	STATION	OFFSET DISTANCE	OFFSET DIRECTION	SPV.0090.08 PVC WATER MAIN 4-INCH LF	SPV.0090.09 PVC WATER MAIN 6-INCH LF	SPV.0090.10 PVC WATER MAIN 8-INCH LF	SPV.0090.11 PVC WATER MAIN 10-INCH LF	SPV.0090.12 PVC WATER MAIN 12-INCH LF	SPV.0090.13 TEMPORARY 2-INCH BLOW OFF EA	COMMENTS
0020	MILITARY	10+47.1	18.1'	RT	MILITARY	10+72.8	8.5'	LT	-	-	-	-	48	-	
	MILITARY	10+47.5	14.7'	LT	MILITARY	10+66.8	8.5'	LT	-	-	22	-	-	-	
	MILITARY	10+66.8	8.5'	LT	MILITARY	10+66.8	23.8'	LT	-	15	-	-	-	-	HYDRANT LEAD
	MILITARY	10+66.8	8.5'	LT	MILITARY	10+69.8	8.5'	LT	-	-	3	-	-	-	
	MILITARY	10+69.8	8.5'	LT	MILITARY	11+73.8	8.5'	LT	-	-	-	-	101	-	
	MILITARY	10+86.0	8.5'	LT	MILITARY	10+83.0	33.0'	RT	44	-	-	-	-	-	
	MILITARY	11+73.8	8.5'	LT	W. 9TH	1+96.1	26.0'	RT	-	-	50	-	-	-	
	W. 9TH	1+96.1	26.0'	RT	W. 9TH	2+12.1	15.1'	RT	-	-	23	-	-	-	
	W. 9TH	1+96.1	26.0'	RT	W. 9TH	1+23.7	8.0'	RT	-	86	-	-	-	-	
	W. 9TH	1+23.7	8.0'	RT	W. 9TH	1+16.0	10.8'	LT	-	27	-	-	-	-	
	MILITARY	11+73.8	8.5'	LT	MILITARY	12+65.5	12.0'	LT	-	-	-	-	92	-	
	MILITARY	12+65.5	12.0'	LT	MILITARY	12+73.0	16.7'	RT	-	-	24	-	-	-	
	MILITARY	12+73.7	80.0'	LT	MILITARY	12+74.9	56.2'	LT	-	29	-	-	-	-	HYDRANT LEAD
	MILITARY	12+65.5	12.0'	LT	MILITARY	17+57.9	11.0'	LT	-	-	-	-	478	-	
	MILITARY	17+35.8	11.0'	LT	GROVE	17+36.8	31.0'	RT	42	-	-	-	-	-	
	MILITARY	17+57.9	11.0'	LT	GROVE	50+53.5	10.5'	LT	-	-	26	-	-	-	
	GROVE	50+57.1	10.7'	LT	GROVE	50+56.5	22.2'	LT	-	12	-	-	-	-	HYDRANT LEAD
	GROVE	50+53.5	10.5'	LT	GROVE	50+33.4	9.4'	LT	-	-	20	-	-	-	
	MILITARY	17+57.9	11.0'	LT	MILITARY	21+02.5	11.0'	LT	-	-	-	-	345	-	
	MILITARY	21+02.5	11.0'	LT	MILITARY	21+02.5	27.5'	LT	-	17	-	-	-	-	HYDRANT LEAD
	MILITARY	21+02.5	11.0'	LT	HENNING	60+53.2	5.7'	LT	-	62	-	-	-	-	
	HENNING	60+53.2	5.7'	LT	HENNING	60+58.1	10.1'	LT	-	9	-	-	-	-	
	MILITARY	21+02.5	11.0'	LT	MILITARY	25+04.5	11.0'	LT	-	-	-	-	402	-	
	MILITARY	25+04.5	11.0'	LT	MILITARY	25+04.5	27.5'	LT	-	17	-	-	-	-	HYDRANT LEAD
	MILITARY	25+04.5	11.0'	LT	MILITARY	25+73.4	11.0'	LT	-	-	-	-	69	-	
	MILITARY	25+73.4	11.0'	LT	WILKINS	70+62.7	10.5'	LT	-	24	-	-	-	-	
	MILITARY	25+73.4	11.0'	LT	MILITARY	26+71.9	11.0'	LT	-	-	-	-	99	-	
	MILITARY	26+71.9	11.0'	LT	BROOKE	80+39.3	6.2'	RT	-	-	-	-	84	-	
	BROOKE	80+39.3	6.2'	RT	BROOKE	80+34.3	1.2'	RT	-	-	-	-	10	-	
	MILITARY	26+71.9	11.0'	LT	MILITARY	31+09.6	9.8'	LT	-	-	-	-	437	-	
	MILITARY	31+09.6	9.8'	LT	MILITARY	31+06.2	18.1'	RT	-	29	-	-	-	-	
	MILITARY	31+06.2	18.1'	RT	MILITARY	31+10.4	22.4'	RT	-	6	-	-	-	-	HYDRANT LEAD
	MILITARY	31+06.2	18.1'	RT	MILITARY	30+87.7	47.0'	RT	-	38	-	-	-	-	
	MILITARY	31+09.6	9.8'	LT	MILITARY	31+28.2	12.6'	LT	-	-	-	-	20	-	
	MILITARY	31+28.2	12.6'	LT	MILITARY	31+30.7	14.3'	LT	-	-	-	-	3	-	
	MILITARY	31+30.7	14.3'	LT	MILITARY	32+06.4	19.2'	LT	-	-	77	-	-	-	
	MILITARY	31+28.2	12.6'	LT	WESTERN	100+94.9	20.2'	RT	-	-	-	121	-	-	
	WESTERN	100+94.9	20.2'	RT	WESTERN	100+89.9	12.6'	LT	-	-	38	-	-	-	
	MILITARY	31+28.2	12.6'	LT	WESTERN	104+01.5	20.2'	RT	-	-	-	185	-	-	
	WESTERN	104+01.5	20.2'	RT	WESTERN	104+06.7	13.4'	LT	-	-	-	39	-	-	
								UNDISTRIBUTED	4	14	22	20	32	2	
						TOTAL PROJECT 4986-00-25			90	385	305	365	2220	2	

SANITARY SEWER

CATEGORY	STREET	STATION	OFFSET DISTANCE	OFFSET DIRECTION	SPV.0060.06 SANITARY MH 4-FT DIA. EACH	SPV.0060.07 SANITARY MH 5-FT DIA. EACH	SPV.0060.08 SANITARY MH 8-FT DIA. EACH	SPV.0060.09 ADJUST EXISTING SANITARY MANHOLE EACH	SPV.0060.10 SANITARY SEWER PLUG 12-INCH EACH	SPV.0060.11 CONNECT TO EXISTING SANITARY SEWER MAIN (ALL SIZES EXCEPT 27-INCH) EACH	SPV.0060.12 CONNECT TO EXISTING 27-INCH SANITARY SEWER MAIN EACH
0020	MILITARY	10+47.4	11.4'	RT	-	-	-	-	-	1	-
	MILITARY	10+51.5	11.4'	RT	1	-	-	-	-	-	-
	MILITARY	10+58.8	0.0'	RT	-	-	-	-	1	-	-
	MILITARY	10+62.9	0.0'	RT	-	1	-	-	-	-	-
	MILITARY	11+26.1	0.0'	RT	1	-	-	-	-	-	-
	W. 9TH	1+11.9	1.1'	LT	-	-	-	-	-	1	-
	W. 9TH	1+15.6	1.1'	LT	1	-	-	-	-	-	-
	W. 9TH	1+99.8	12.0'	RT	1	-	-	-	-	-	-
	W. 9TH	2+02.2	10.3'	RT	-	-	-	-	-	1	-
	MILITARY	13+37.0	15.1'	RT	-	-	-	1	-	-	-
	MILITARY	13+79.6	16.1'	RT	-	-	-	1	-	-	-
	MILITARY	14+97.9	97.5'	RT	-	-	-	1	-	-	-
	MILITARY	14+97.3	10.5'	LT	1	-	-	-	-	-	-
	GROVE	50+55.2	1.1'	LT	-	-	-	1	-	-	-
	GROVE	50+55.2	1.1'	LT	-	-	-	-	-	1	-
	MILITARY	17+57.9	0.0'	RT	1	-	-	-	-	-	-
	MILITARY	20+94.5	0.0'	RT	1	-	-	-	-	-	-
	HENNING	60+38.3	2.4'	RT	1	-	-	-	-	-	-
	HENNING	60+58.0	2.2'	RT	-	-	-	-	-	1	-
	MILITARY	23+33.5	0.0'	RT	1	-	-	-	-	-	-
	WILKINS	70+03.9	0.6'	LT	-	-	-	-	-	1	-
	WILKINS	70+07.3	0.6'	LT	1	-	-	-	-	-	-
	MILITARY	25+73.0	0.0'	RT	1	-	-	-	-	-	-
	MILITARY	28+46.5	0.2'	LT	1	-	-	-	-	-	-
	WESTERN	100+90.3	10.4'	RT	-	-	-	-	-	1	1
	WESTERN	101+75.5	10.6'	RT	1	-	-	-	-	-	-
	MILITARY	30+68.1	35.7'	RT	-	-	-	-	-	1	1
	MILITARY	31+18.5	0.9'	RT	-	-	1	-	-	-	-
	MILITARY	31+56.8	0.9'	RT	1	-	-	-	-	-	-
	WESTERN	103+93.7	4.3'	RT	1	-	-	-	-	-	-
	WESTERN	104+06.4	4.3'	RT	-	-	-	-	-	1	-
TOTAL PROJECT 4986-00-25					15	1	1	4	1	9	2

INSULATION BOARD 2-INCH

CATEGORY	STATION	LOCATION	SPV.0165.01 INSULATION BOARD 2-INCH SF
0020	10+69.2	7.7' RT	32
	10+86.0	5.9' RT	32
	11+10.2	8.5' LT	32
	11+38.4	8.5' LT	32
	11+91.8	53.9' LT	32
	12+31.5	62.6' LT	32
	13+19.2	25.2' RT	32
	13+48.1	24.8' RT	32
	14+11.2	23.9' LT	32
	14+86.2	99.6' LT	32
	16+22.6	11.8' LT	32
	17+02.5	10.6' LT	32
	17+46.5	48.6' LT	32
	18+42.0	11.0' LT	32
	20+28.3	11.0' LT	32
	21+02.5	5.6' RT	32
	21+02.5	32.9' RT	32
	22+05.6	11.0' LT	32
	25+00.0	11.0' LT	32
	25+27.2	11.0' LT	32
	25+41.1	61.4' LT	32
	25+81.9	11.0' LT	32
	27+80.0	11.0' LT	32
	29+78.1	11.8' LT	32
	30+77.1	10.3' LT	32
	30+98.3	39.7' LT	32
	31.57.3	19.0' LT	32
	100+94.9	3.9' LT	32
	101+64.2	20.2' RT	32
	102+53.9	20.2' RT	32
	103+60.0	20.2' RT	32
	104+01.7	8.5' LT	32
UNDISTRIBUTED			526
TOTAL PROJECT 4986-00-25			1550

WATER APPURTENANCES SUMMARY

CATEGORY	STREET	STATION	OFFSET DISTANCE	OFFSET DIRECTION	SPV.0060.13 WATER VALVE & BOX 4-INCH EACH	SPV.0060.14 WATER VALVE & BOX 6-INCH EACH	SPV.0060.15 WATER VALVE & BOX 8-INCH EACH	SPV.0060.16 WATER VALVE & BOX 10-INCH EACH	SPV.0060.17 WATER VALVE & BOX 12-INCH EACH	SPV.0060.18 FIRE HYDRANT EACH	SPV.0060.19 CROSS 12"X6" EACH	SPV.0060.20 CROSS 12"X10" EACH	SPV.0060.21 TEES 6"X6"X6" EACH	SPV.0010.22 TEES 8"X6"X8" EACH	SPV.0060.23 TEES 10"X8"X10" EACH	SPV.0060.24 TEES 10"X10"X10" EACH	SPV.0060.25 TEES 12"X4"X12" EACH	SPV.0060.26 TEES 12"X6"X12" EACH	SPV.0060.27 TEES 12"X8"X12" EACH	SPV.0060.28 TEES 12"X12"X12" EACH
0020	MILITARY	10+50.0	14.7'	LT	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	MILITARY	10+52.8	18.1'	RT	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
	MILITARY	10+66.8	8.5'	LT	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
	MILITARY	10+66.8	20.8'	LT	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MILITARY	10+66.8	23.8'	LT	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	MILITARY	10+72.8	8.5'	LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	MILITARY	10+86.0	8.5'	LT	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
	MILITARY	10+86.0	26.0'	RT	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MILITARY	11+73.8	8.5'	LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
	MILITARY	11+78.1	25.3'	LT	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	W.9TH	1+18.7	10.8'	LT	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	W.9TH	1+23.7	8.0'	RT	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
	W.9TH	1+96.1	26.0'	RT	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
	W.9TH	2+07.7	17.3'	RT	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	MILITARY	12+45.6	11.3'	LT	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
	MILITARY	12+65.5	12.0'	LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
	MILITARY	12+70.5	14.7'	RT	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	MILITARY	12+89.3	58.6'	LT	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MILITARY	12+91.0	56.2'	LT	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	MILITARY	13+03.0	13.5'	LT	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
	GROVE	50+42.4	9.9'	LT	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	GROVE	50+57.1	10.7'	LT	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
	GROVE	50+56.6	19.2'	LT	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	GROVE	50+56.5	22.2'	LT	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	MILITARY	17+35.8	11.0'	LT	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
	MILITARY	17+36.6	22.0'	RT	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MILITARY	17+57.9	11.0'	LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
	MILITARY	17+74.5	11.0'	LT	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
	MILITARY	21+02.5	11.0'	LT	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
	MILITARY	21+02.5	19.5'	LT	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MILITARY	21+02.5	27.5'	LT	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	HENNING	60+53.2	5.8'	LT	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
	HENNING	60+56.1	10.0'	LT	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MILITARY	21+07.5	11.0'	LT	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
	MILITARY	25+04.5	11.0'	LT	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
	MILITARY	25+08.0	19.5'	LT	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MILITARY	25+08.0	29.0'	LT	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	WILKINS	70+68.7	10.4'	LT	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MILITARY	25+73.4	11.0'	LT	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
	MILITARY	25+78.4	11.0'	LT	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
	MILITARY	26+71.9	11.0'	LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	BROOKE	80+39.3	6.2'	RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	BROOKE	80+36.8	1.2'	RT	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
	MILITARY	30+44.2	10.8'	LT	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
	MILITARY	31+09.6	9.8'	LT	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
	MILITARY	31+06.2	18.1'	RT	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
	MILITARY	31+08.3	20.2'	RT	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MILITARY	31+10.4	22.4'	RT	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	MILITARY	30+91.5	29.2'	RT	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MILITARY	31+28.2	12.6'	LT	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
	MILITARY	31+87.8	19.1'	LT	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	WESTERN	100+92.4	12.6'	LT	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	WESTERN	100+94.9	20.2'	RT	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	WESTERN	101+80.3	20.2'	RT	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
	WESTERN	102+75.0	20.2'	RT	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
	WESTERN	104+01.5	20.2'	RT	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
	WESTERN	104+04.2	13.4'	LT	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PROJECT 4986-00-25					2	10	7	3	8	6	1	1	3	3	1	1	2	3	3	3

WATER APPURTENANCES SUMMARY

CATEGORY	STREET	STATION	OFFSET DISTANCE	OFFSET DIRECTION	SPV.0060.29 BEND 45-DEGREE 4-INCH EACH	SPV.0060.30 BEND 22.5-DEGREE 6-INCH EACH	SPV.0060.31 BEND 45-DEGREE 6-INCH EACH	SPV.0060.32 BEND 90-DEGREE 6-INCH EACH	SPV.0060.33 BEND 45-DEGREE 8-INCH EACH	SPV.0060.34 BEND 90-DEGREE 8-INCH EACH	SPV.0060.35 BEND 45-DEGREE 10-INCH EACH	SPV.0060.36 BEND 90-DEGREE 10-INCH EACH	SPV.0060.37 BEND 11.25-DEGREE 12-INCH EACH	SPV.0060.38 BEND 45-DEGREE 12-INCH EACH	SPV.0060.39 BEND 90-DEGREE 12-INCH EACH	SPV.0060.40 REDUCER 12"X8" EACH	SPV.0060.41 PLUG 6-INCH EACH	SPV.0060.42 PLUG 10-INCH EACH	SPV.0060.43 PLUG 12-INCH EACH
0020	MILITARY	10+52.5	14.7'	LT	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	MILITARY	10+58.8	8.5'	LT	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	MILITARY	10+58.8	18.1'	RT	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	MILITARY	10+72.8	4.1'	RT	-	-	-	-	-	-	-	-	-	1	-	-	-	-	
	MILITARY	10+69.8	8.5'	LT	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
	MILITARY	10+83.0	34.5	RT	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MILITARY	10+86.0	31.5	RT	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MILITARY	11+73.8	22.3'	LT	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	W. 9TH	1+23.7	10.9'	LT	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
	W. 9TH	1+23.7	8.0'	RT	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
	W. 9TH	1+94.1	22.0'	RT	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	MILITARY	12+65.5	10.3'	RT	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	MILITARY	15+40.6	31.4'	LT	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
	GROVE	50+60.1	10.9'	LT	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	HENNING	60+40.9	5.6'	LT	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
	HENNING	60+53.2	5.8'	LT	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
	HENNING	60+53.1	10.1'	LT	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
	WILKINS	70+81.5	10.3'	LT	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
	BROOKE	81+15.6	6.2'	RT	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	BROOKE	80+39.3	6.2'	RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	BROOKE	80+39.3	1.2'	RT	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
	MILITARY	30+87.7	47.0'	RT	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
	MILITARY	30+89.5	30.7'	RT	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
	MILITARY	30+96.9	25.5'	RT	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	MILITARY	31+02.7	21.5'	RT	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	MILITARY	31+09.2	15.1'	RT	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
	MILITARY	31+24.1	9.8'	LT	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	MILITARY	31+30.7	14.3'	LT	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
	MILITARY	31+37.5	18.9'	LT	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	WESTERN	100+94.9	12.6'	LT	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
	WESTERN	100+94.9	20.2'	RT	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
	WESTERN	102+41.3	20.2'	RT	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
	WESTERN	102+44.3	20.2'	RT	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
	WESTERN	104+01.5	20.2'	RT	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
	WESTERN	104+01.6	7.8'	LT	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
	WESTERN	104+01.7	10.6'	LT	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
	WESTERN	104+01.7	13.4'	LT	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
TOTAL PROJECT 4986-00-25					2	3	5	2	6	1	4	1	1	4	1	2	2	2	1

3

WATER APPURTENANCES SUMMARY

CATEGORY	STREET	STATION	OFFSET DISTANCE	OFFSET DIRECTION	SPV.0060.44 CONNECT TO EXISTING 4" WATER MAIN EACH	SPV.0060.45 CONNECT TO EXISTING 6" WATER MAIN EACH	SPV.0060.46 CONNECT TO EXISTING 8" WATER MAIN EACH	SPV.0060.47 CONNECT TO EXISTING 10" WATER MAIN EACH	SPV.0060.48 CONNECT TO EXISTING 12" WATER MAIN EACH	SPV.0060.49 SACRIFICIAL ANODE BAG EACH
0020	MILITARY	10+47.4	18.1'	RT	-	-	-	-	1	1
	MILITARY	10+47.5	14.7'	LT	-	-	1	-	-	1
	MILITARY	10+83.0	34.5	RT	1	-	-	-	-	-
	W. 9TH	1+16.0	10.8'	LT	-	1	-	-	-	1
	W. 9TH	2+12.1	15.1	RT	-	-	1	-	-	-
	MILITARY	12+72.9	16.8'	RT	-	-	1	-	-	-
	MILITARY	12+73.7	80.0'	LT	-	1	-	-	-	-
	GROVE	50+33.4	9.4'	LT	-	-	1	-	-	-
	HENNING	60+58.1	10.1'	LT	-	1	-	-	-	1
	WILKINS	70+62.7	10.5'	LT	-	1	-	-	-	-
	BROOKE	80+34.3	1.2'	RT	-	-	-	-	1	1
	MILITARY	30+87.7	47.0'	RT	-	1	-	-	-	1
	MILITARY	32+06.4	19.2'	LT	-	-	1	-	-	-
	WESTERN	100+89.9	12.6'	LT	-	-	1	-	-	1
	WESTERN	104+06.7	13.4'	LT	-	-	-	1	-	1
	TOTAL PROJECT 4986-00-25				1	5	6	1	2	8

SANITARY SEWER PIPE

CATEGORY	STREET	STATION	TO STATION	LOCATION	SPV.0090.04 SANITARY SEWER PIPE 8-INCH LF	SPV.0090.05 SANITARY SEWER PIPE 10-INCH LF	SPV.0090.06 SANITARY SEWER PIPE 12-INCH LF	SPV.0090.07 SANITARY SEWER PIPE 27-INCH LF	SPV.0060.65 BYPASS PUMPING 27-INCH SANITARY INTERCEPTOR PROJECT 4986-00-25 EA
0020	MILITARY	10+47.4	10+51.5	RT	-	4	-	-	-
	MILITARY	10+58.8	10+62.9		-	4	-	-	-
	MILITARY	10+51.5	10+62.9	RT	-	16	-	-	-
	MILITARY	10+62.9	11+26.1		-	-	63	-	-
	W. 9TH	11+26.1	1+99.8		-	-	99	-	-
	W. 9TH	1+99.8	2+02.2	RT	-	-	3	-	-
	W. 9TH	1+15.6	1+99.8		89	-	-	-	-
	W. 9TH	1+11.9	1+15.6	LT	4	-	-	-	-
	MILITARY	11+26.11	14+97.3		368	-	-	-	-
	MILITARY	14+97.3	17+47.8	RT	244	-	-	-	-
	GROVE	17+47.8	50+68.6		29	-	-	-	-
	MILITARY	17+47.8	20+94.5		347	-	-	-	-
	HENNING	20+94.5	60+38.3		39	-	-	-	-
	HENNING	60+38.3	60+58.0		20	-	-	-	-
	MILITARY	20+94.5	23+33.5		239	-	-	-	-
	MILITARY	23+33.5	25+73.0		240	-	-	-	-
	WILKINS	25+73.0	70+07.3		87	-	-	-	-
	WILKINS	70+07.3	70+03.9		3	-	-	-	-
	MILITARY	25+73.0	28+46.5		273	-	-	-	-
	MILITARY	28+46.5	31+18.5		272	-	-	-	-
	MILITARY	31+18.5	31+56.8		38	-	-	-	-
	WESTERN	31+56.8	103+93.7		151	-	-	-	-
	WESTERN	103+93.7	104+06.4		13	-	-	-	-
	MILITARY	30+68.1	31+18.5		-	-	-	61	-
	WESTERN	31+18.5	101+75.5		-	-	-	53	-
	WESTERN	101+75.5	100+90.3		-	-	-	85	-
			UNDISTRIBUTED		24	10	10	11	1
			TOTAL PROJECT 4986-00-25		2480	30	175	210	1

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) — W (TYPE)
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 25
UTILITY NUMBER 40
SECTION CORNER
NOTATION FOR COMBUSTABLE FLUIDS — CAUTION
NOTATION FOR HIGH VOLTAGE TRANSMISSION LINES — CAUTION
R/W MONUMENT
NON-MONUMENTED R/W POINT
FOUND IRON PIN — IP
VALVE (GAS, WATER, ETC.) — (TYPE)
SIGN — SIGN
OFF-PREMISE SIGN — #1-25 — 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	

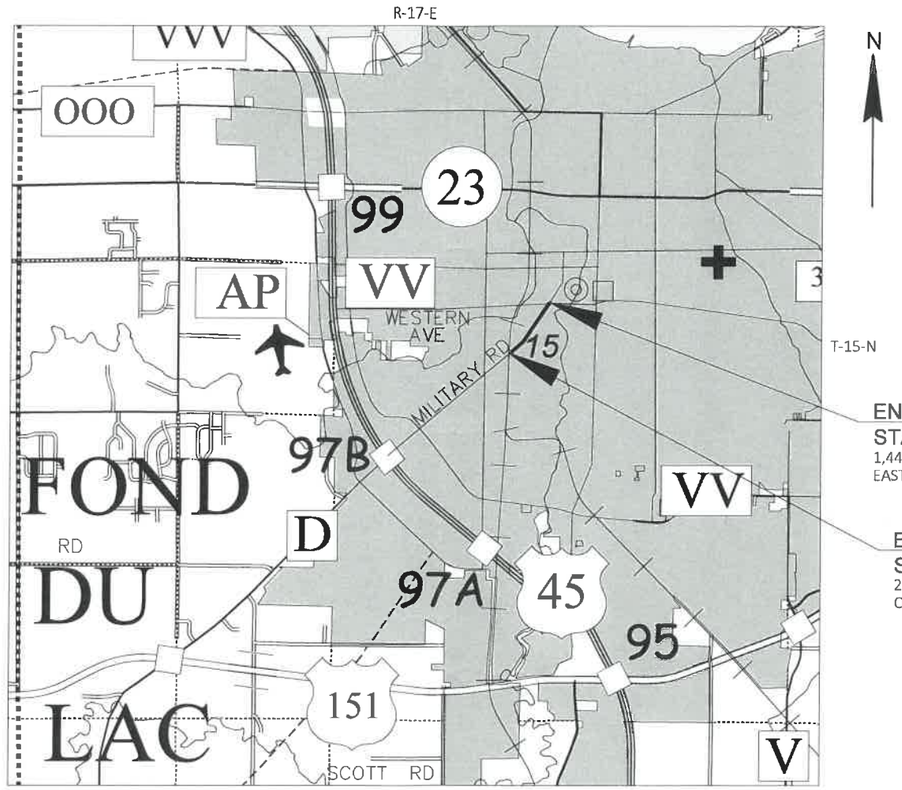
	NON-COMPENSABLE	COMPENSABLE
POWER POLE		■
TELEPHONE POLE		●
TELEPHONE PEDESTAL		■

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



LAYOUT
SCALE 0 — 1 MILE

TOTAL NET LENGTH OF CENTERLINE = 0.432 MILE

R/W PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
4986-00-24		
CONSTRUCTION PROJECT NUMBER 4986-00-25	4.01	7

PLAT OF RIGHT OF WAY REQUIRED FOR

CITY OF FOND DU LAC
SUPERIOR STREET TO WESTERN AVENUE

LOCAL STREET	FOND DU LAC COUNTY

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), FOND DU LAC 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.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 AND ARE PLACED PRIOR TO OR AT THE TIME OF LAND TITLE TRANSFER.

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.

EXISTING HIGHWAY RIGHT-OF-WAY FOR MILITARY ROAD AND SIDE ROADS ESTABLISHED FROM DARLINGS ADDITION NO. 3, HENNINGS ADDITION, M.K. STOWS SECOND ADDITION, SUBDIVISION OF TRACT 47, SUBDIVISION OF TRACT 48, TOMPKINS ADDITION, TOMPKINS ADDITION NO. 2, WALKERS ADDITION, WATERBURYS ADDITION NO. 2, WILKINS ADDITION, RECORDED PLATS OF SURVEY, AND CERTIFIED SURVEY MAPS.

DIMENSIONS 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.

END RELOCATION ORDER
STA 33+33.21
1,445.24' NORTH OF AND 3,050.76' WEST OF THE EAST QUARTER CORNER OF SEC. 15, T-15-N, R-17-E

BEGIN RELOCATION ORDER
STA 10+54.10
279.56' SOUTH OF AND 924.79' EAST OF THE WEST QUARTER CORNER OF SEC. 15, T-15-N, R-17-E

CAUTION:
THIS PLAT IS FOR ILLUSTRATIVE PURPOSES ONLY. DEEDS MUST BE CHECKED TO DETERMINE PROPERTY BOUNDARIES.

ACCEPTED FOR
THE CITY OF FOND DU LAC

DATE: 11/17/21 {Signature}

ORIGINAL PLAT PREPARED BY

MSA
ENGINEERING | ARCHITECTURE | SURVEYING
FUNDING | PLANNING | ENVIRONMENTAL
1230 SOUTH BOULEVARD, BARABOO, WI 53913
(608) 356-2771 www.msa-ps.com

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WISCONSIN
KEVIN C. LORD
S-2645
MADISON, WIS.
LAND SURVEYOR

DATE: 4/14/2021 {Professional Land Su

REVISION DATE
OCTOBER 18, 2021 N.C.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSE ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO JUNEAU COUNTY HIGHWAY DEPARTMENT.

PARCEL NUMBER	SHEET NUMBER	OWNER (S)	INTEREST REQUIRED	R/W NEW SF	R/W EXISTING SF	R/W TOTAL SF	TLE SF
1	4.04	HIRAMS AUTO REPAIR, LLC	FEE & TLE	27 SF	---	27 SF	598 SF
2	4.04	FOND DU LAC SCHOOL DISTRICT	TLE	---	---	---	1,031 SF
3	4.04	CHRISTOPHER J KIMPEL	TLE	---	---	---	224 SF
4	4.04	CITY OF FOND DU LAC	FEE	---	6,406 SF	6,406 SF	---
6	4.04	J & D INVESTMENTS OF RIPON, INC	TLE	---	---	---	384 SF
8	4.04	MICHAEL ORVOLD	FEE & TLE	199 SF	---	199 SF	534 SF
9	4.04	BJS RENTALS, LLC	FEE & TLE	266 SF	---	266 SF	739 SF
11	4.04	MARIA S HERNANDEZ CASTRO	FEE & TLE	18 SF	---	18 SF	310 SF
13	4.05	MARK A & AMY S CHARNESKI	TLE	---	---	---	369 SF
14	4.05	ADAM C KNUEPPEL	TLE	---	---	---	317 SF
16	4.04 - 4.06	CITY OF FOND DU LAC (PARKS)	FEE & TLE	1,241 SF	---	1,241 SF	2,146 SF
17	4.05	JACALYN M KONEN & WARREN L DEIBERT	TLE	---	---	---	653 SF
18	4.05	KURT A PERRY	TLE	---	---	---	513 SF
19	4.05	MICHAEL A MOON	TLE	---	---	---	225 SF
21	4.05	KEVIN L BARBER	TLE	---	---	---	355 SF
22	4.05	TAMRA J OMAN	TLE	---	---	---	386 SF
23	4.05	MARK S LUCAS	TLE	---	---	---	748 SF
24	4.05	TERRI L MANTHEI & BRYAN B SCHABEL	TLE	---	---	---	301 SF
26	4.05 & 4.06	DANIEL V MOON	TLE	---	---	---	341 SF
27	4.05 & 4.06	MICHAEL R SPERBECK & GEORGENE M SPERBECK	TLE	---	---	---	392 SF
28	4.06	LARRY SCHIBLINE & ANTHONY SCHIBLINE	TLE	---	---	---	1,164 SF
29	4.06	BRADLEY MICHAEL MARX & TINA MARIE MARX	TLE	---	---	---	603 SF
31	4.06	SILVER BEE, LLC	TLE	---	---	---	269 SF
32	4.06	WESTBROOKE OF FOND DU LAC, LLC	FEE & TLE	178 SF	---	178 SF	403 SF
33	4.06	KEVIN L BARBER	FEE & TLE	257 SF	---	257 SF	609 SF
34	4.06	SCOTT J RITGER	FEE & TLE	40 SF	---	40 SF	235 SF
35	4.06 & 4.07	BENJAMIN A BRAUNBERGER	TLE	---	---	---	115 SF
36	4.06	JAMES G BORTH & CATHERINE L BORTH	TLE	---	---	---	127 SF
37	4.06 & 4.07	DENNIS D ROBERTS & ROSE M ROBERTS	TLE	---	---	---	372 SF
38	4.07	BODA PARTNERSHIP, LLC	TLE	---	---	---	14 SF
39	4.07	REDEVELOPMENT AUTHORITY OF THE CITY OF FOND DU LAC	FEE & TLE	131 SF	---	131 SF	645 SF
41	4.07	LALLIER OF FOND DU LAC, INC	TLE	---	---	---	333 SF
42	4.07	RILEY INVESTMENT PROPERTIES	TLE	---	---	---	42 SF
43	4.07	MSMJ, LLC	TLE	---	---	---	1,016 SF
44	4.07	FOND DU LAC TOWNHOMES, LLC	TLE	---	---	---	173 SF
46	4.07	ARC HOUSING, INC	FEE & TLE	74 SF	---	74 SF	1,161 SF
80	4.04	ALLIANT ENERGY - GAS	RELEASE OF RIGHTS	---	---	---	---
81	4.04	CITY OF FOND DU LAC - SANITARY	RELEASE OF RIGHTS	---	---	---	---
82	4.04 & 4.07	CITY OF FOND DU LAC - ELECTRIC	RELEASE OF RIGHTS	---	---	---	---
83	4.06	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS	---	---	---	---
84	4.07	ALLIANT ENERGY - ELECTRIC	RELEASE OF RIGHTS	---	---	---	---
85	4.05 & 4.07	AT&T COMMUNICATIONS	RELEASE OF RIGHTS	---	---	---	---

4

4

REVISION DATE OCTOBER 18, 2021 N.C.

DATE APRIL 14, 2021

SCALE, FEET 0 N/A

HWY: LOCAL STREET

COUNTY: FOND DU LAC

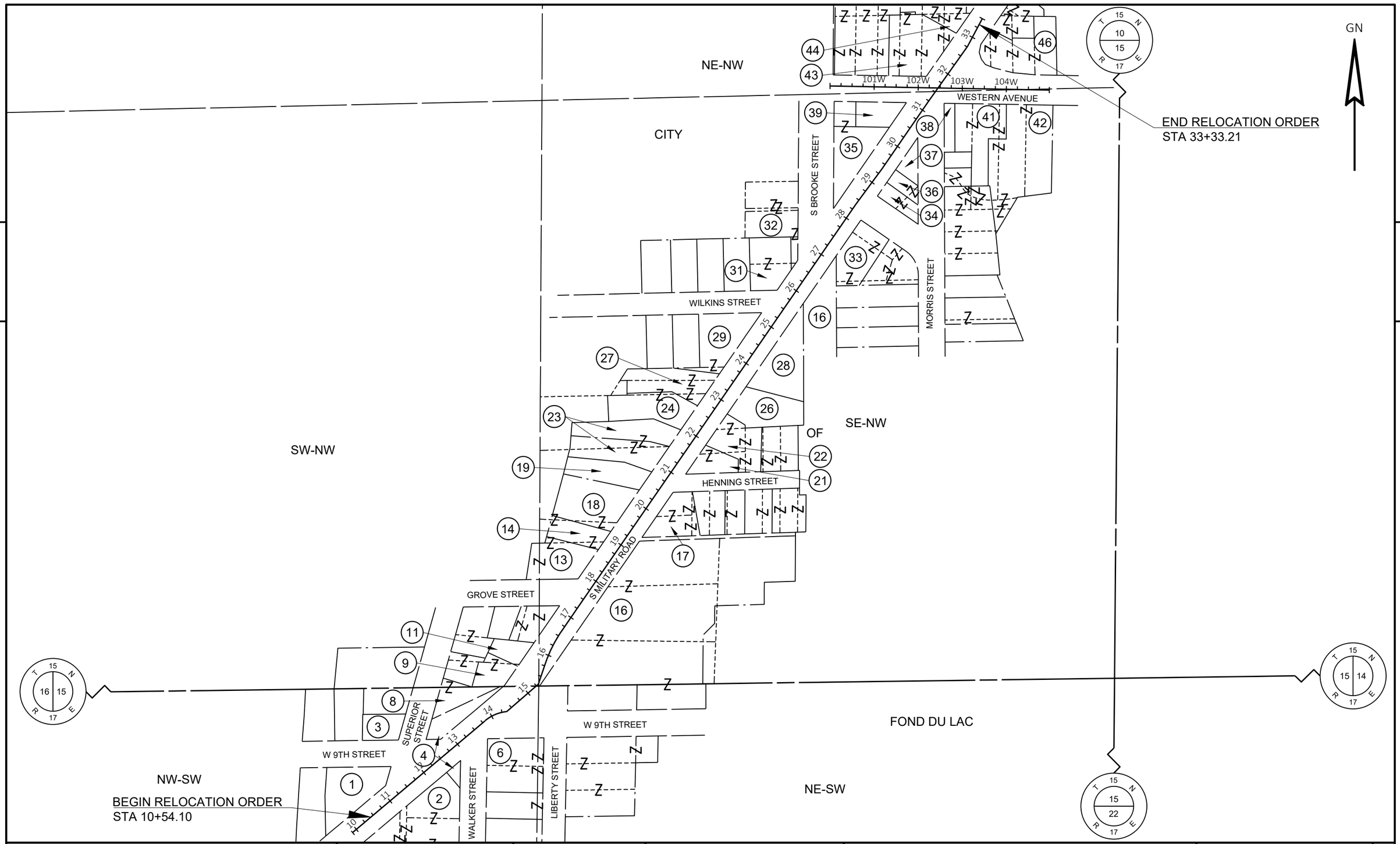
STATE R/W PROJECT NUMBER 4986-00-24

CONSTRUCTION PROJECT NUMBER 4986-00-25

PLAT SHEET 4.02

PS&E SHEET 154

E

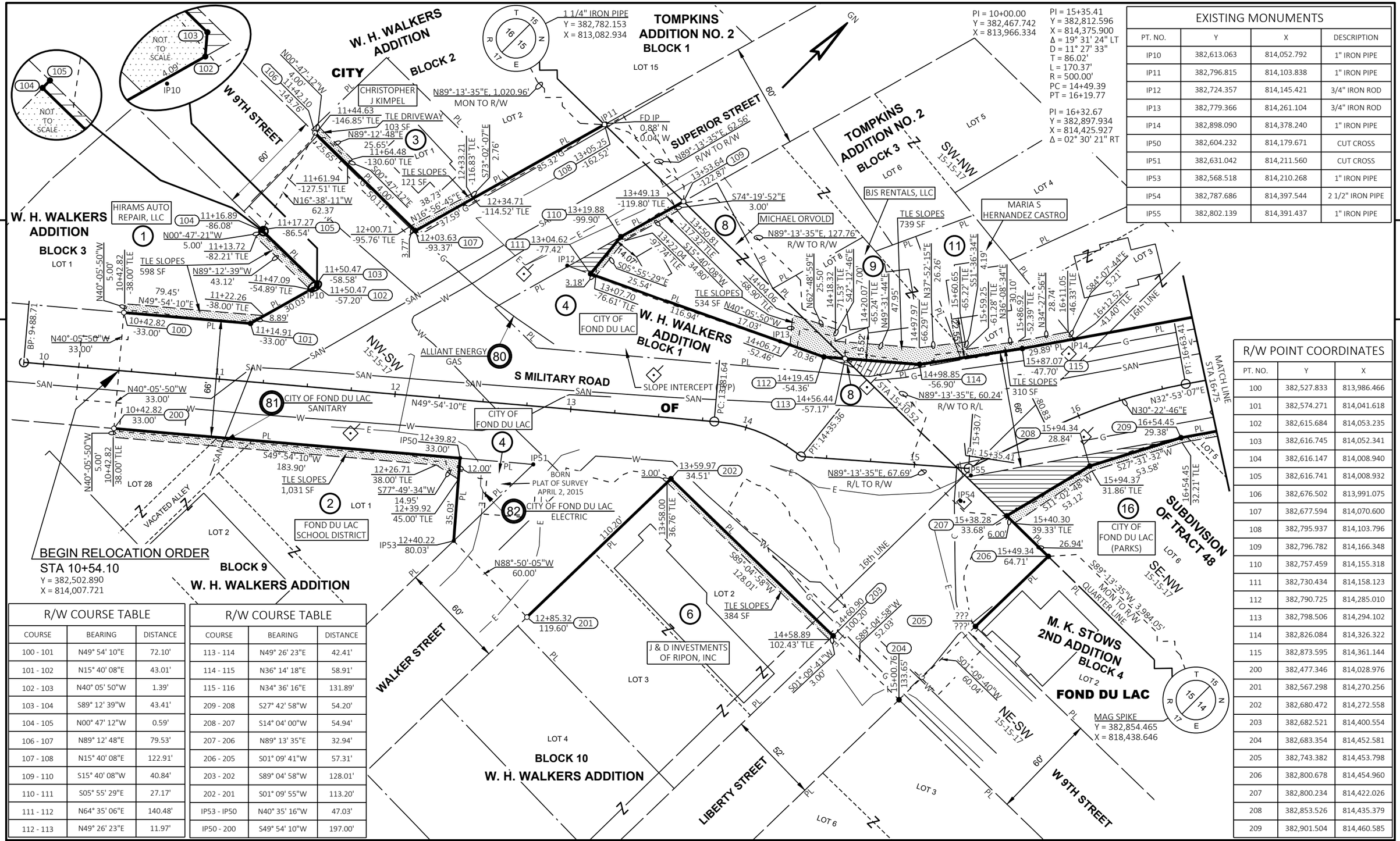


REVISION DATE OCTOBER 18, 2021 N.C.	DATE APRIL 14, 2021	SCALE, FEET 0 100 200	HWY: LOCAL STREET	STATE R/W PROJECT NUMBER 4986-00-24	PLAT SHEET 4.03
			COUNTY: FOND DU LAC	CONSTRUCTION PROJECT NUMBER 4986-00-25	PS&E SHEET 155 E

FILE NAME : 040101_RP.DWG
LAYOUT NAME - 040103_rp

PLOT DATE : 10/18/2021 7:10 AM PLOT BY : BRAD LEE PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 75



EXISTING MONUMENTS			
PT. NO.	Y	X	DESCRIPTION
IP10	382,613.063	814,052.792	1" IRON PIPE
IP11	382,796.815	814,103.838	1" IRON PIPE
IP12	382,724.357	814,145.421	3/4" IRON ROD
IP13	382,779.366	814,261.104	3/4" IRON ROD
IP14	382,898.090	814,378.240	1" IRON PIPE
IP50	382,604.232	814,179.671	CUT CROSS
IP51	382,631.042	814,211.560	CUT CROSS
IP53	382,568.518	814,210.268	1" IRON PIPE
IP54	382,787.686	814,397.544	2 1/2" IRON PIPE
IP55	382,802.139	814,391.437	1" IRON PIPE

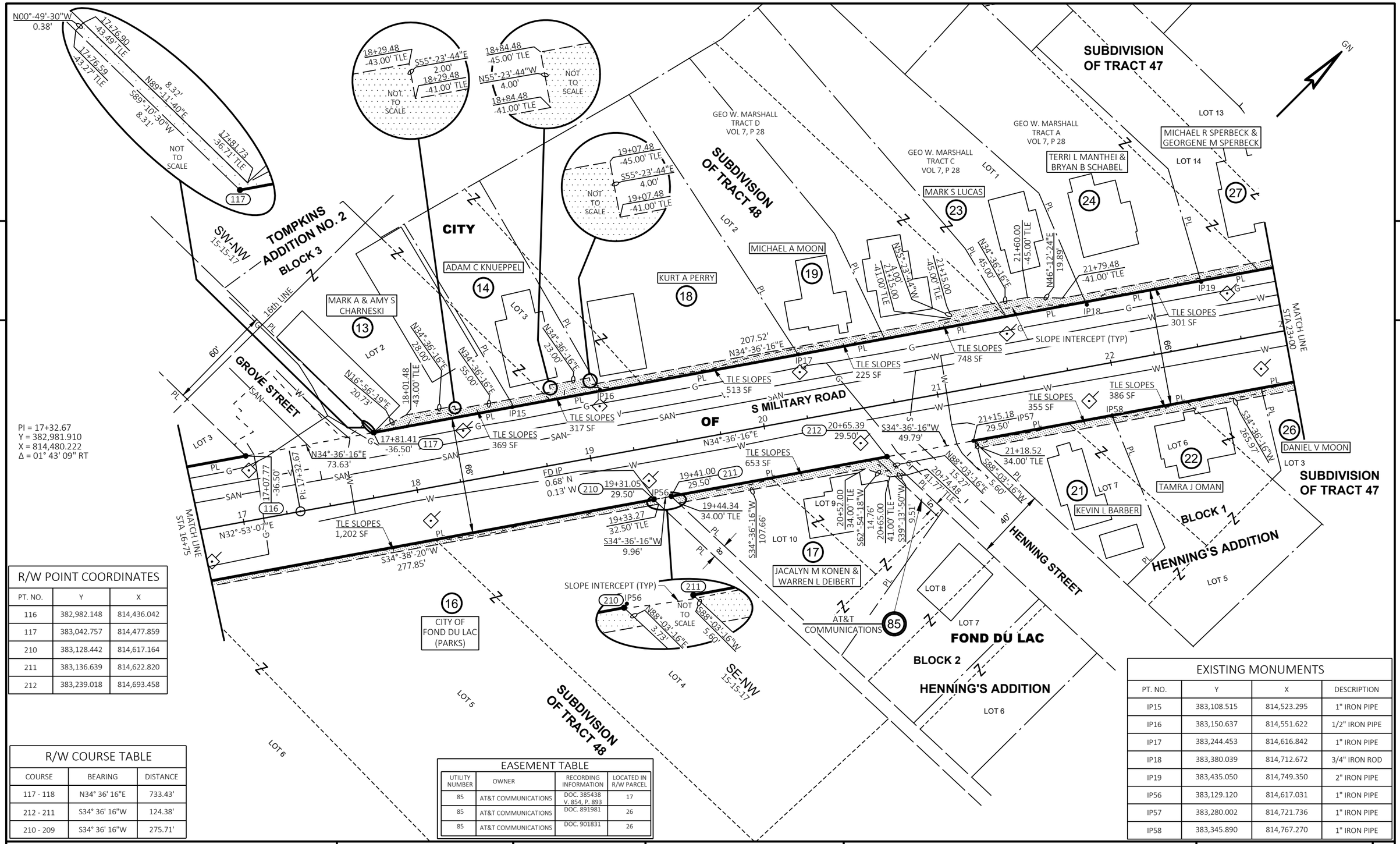
R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
100 - 101	N49° 54' 10"E	72.10'
101 - 102	N15° 40' 08"E	43.01'
102 - 103	N40° 05' 50"W	1.39'
103 - 104	S89° 12' 39"W	43.41'
104 - 105	N00° 47' 12"W	0.59'
106 - 107	N89° 12' 48"E	79.53'
107 - 108	N15° 40' 08"E	122.91'
109 - 110	S15° 40' 08"W	40.84'
110 - 111	S05° 55' 29"E	27.17'
111 - 112	N64° 35' 06"E	140.48'
112 - 113	N49° 26' 23"E	11.97'

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
113 - 114	N49° 26' 23"E	42.41'
114 - 115	N36° 14' 18"E	58.91'
115 - 116	N34° 36' 16"E	131.89'
209 - 208	S27° 42' 58"W	54.20'
208 - 207	S14° 04' 00"W	54.94'
207 - 206	N89° 13' 35"E	32.94'
206 - 205	S01° 09' 41"W	57.31'
203 - 202	S89° 04' 58"W	128.01'
202 - 201	S01° 09' 55"W	113.20'
IP53 - IP50	N40° 35' 16"W	47.03'
IP50 - 200	S49° 54' 10"W	197.00'

R/W POINT COORDINATES		
PT. NO.	Y	X
100	382,527.833	813,986.466
101	382,574.271	814,041.618
102	382,615.684	814,053.235
103	382,616.745	814,052.341
104	382,616.147	814,008.940
105	382,616.741	814,008.932
106	382,676.502	813,991.075
107	382,677.594	814,070.600
108	382,795.937	814,103.796
109	382,796.782	814,166.348
110	382,757.459	814,155.318
111	382,730.434	814,158.123
112	382,790.725	814,285.010
113	382,798.506	814,294.102
114	382,826.084	814,326.322
115	382,873.595	814,361.144
200	382,477.346	814,028.976
201	382,567.298	814,270.256
202	382,680.472	814,272.558
203	382,682.521	814,400.554
204	382,683.354	814,452.581
205	382,743.382	814,453.798
206	382,800.678	814,454.960
207	382,800.234	814,422.026
208	382,853.526	814,435.379
209	382,901.504	814,460.585

REVISION DATE	OCTOBER 18, 2021 N.C.	DATE APRIL 14, 2021	SCALE, FEET 0 25 50	HWY: LOCAL STREET	STATE R/W PROJECT NUMBER 4986-00-24	PLAT SHEET 4.04	
				COUNTY: FOND DU LAC	CONSTRUCTION PROJECT NUMBER 4986-00-25	PS&E SHEET 156	E

FILE NAME : 040101_RP.DWG
LAYOUT NAME - 040104_rp
PLOT DATE : 10/18/2021 7:10 AM
PLOT BY : BRAD LEE
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 75



PI = 17+32.67
Y = 382,981.910
X = 814,480.222
Δ = 01° 43' 09" RT

R/W POINT COORDINATES		
PT. NO.	Y	X
116	382,982.148	814,436.042
117	383,042.757	814,477.859
210	383,128.442	814,617.164
211	383,136.639	814,622.820
212	383,239.018	814,693.458

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
117 - 118	N34° 36' 16"E	733.43'
212 - 211	S34° 36' 16"W	124.38'
210 - 209	S34° 36' 16"W	275.71'

EASEMENT TABLE			
UTILITY NUMBER	OWNER	RECORDING INFORMATION	LOCATED IN R/W PARCEL
85	AT&T COMMUNICATIONS	DOC. 385438 V. 854, P. 893	17
85	AT&T COMMUNICATIONS	DOC. 891981	26
85	AT&T COMMUNICATIONS	DOC. 901831	26

EXISTING MONUMENTS			
PT. NO.	Y	X	DESCRIPTION
IP15	383,108.515	814,523.295	1" IRON PIPE
IP16	383,150.637	814,551.622	1/2" IRON PIPE
IP17	383,244.453	814,616.842	1" IRON PIPE
IP18	383,380.039	814,712.672	3/4" IRON ROD
IP19	383,435.050	814,749.350	2" IRON PIPE
IP56	383,129.120	814,617.031	1" IRON PIPE
IP57	383,280.002	814,721.736	1" IRON PIPE
IP58	383,345.890	814,767.270	1" IRON PIPE

REVISION DATE	DATE	SCALE, FEET	HWY:	STATE R/W PROJECT NUMBER	PLAT SHEET
OCTOBER 18, 2021	APRIL 14, 2021	0 25 50	LOCAL STREET	4986-00-24	4.05
			COUNTY: FOND DU LAC	CONSTRUCTION PROJECT NUMBER 4986-00-25	PS&E SHEET 157 E

FILE NAME : 040101_RP.DWG
LAYOUT NAME - 040105_rp

PLOT DATE : 10/18/2021 7:10 AM PLOT BY : BRAD LEE PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 75

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
118 - 119	S88° 39' 15"W	9.12'
120 - 121	N34° 36' 16"E	65.46'
121 - 122	N10° 43' 57"E	52.55'
123 - 124	N34° 36' 16"E	277.05'
217 - 216	S03° 41' 53"W	13.56'
215 - 214	N78° 18' 55"W	17.86'
214 - 213	S34° 36' 16"W	94.39'
213 - IP59	N00° 13' 09"W	3.50'
IP59 - IP57	S34° 36' 16"W	601.79'

EXISTING MONUMENTS			
PT. NO.	Y	X	DESCRIPTION
IP20	383,507.548	814,800.586	3/4" IRON ROD
IP59	383,775.327	815,063.493	3/4" IRON ROD
IP60	383,941.490	815,178.227	1" IRON PIPE

PI = 28+38.64
Y = 383,982.226
X = 815,108.308
Δ = 01° 43' 19" RT

PI = 29+38.47
Y = 383,972.659
X = 815,167.449
Δ = 01° 43' 19" LT

EASEMENT TABLE			
UTILITY NUMBER	OWNER	RECORDING INFORMATION	LOCATED IN R/W PARCEL
84	ALLIANT ENERGY - ELECTRIC	DOC. 130976 V. 383, P. 266	33
84	ALLIANT ENERGY - ELECTRIC	DOC. 130977 V. 383, P. 268	33
85	AT&T COMMUNICATIONS	DOC. 891981	26 & 28
85	AT&T COMMUNICATIONS	DOC. 901831	26 & 28

R/W POINT COORDINATES		
PT. NO.	Y	X
118	383,646.439	814,894.379
119	383,646.225	814,885.259
120	383,697.277	814,929.456
121	383,751.157	814,966.631
122	383,802.786	814,976.416
123	383,882.115	815,056.987
213	383,771.825	815,063.506
214	383,849.518	815,117.112
215	383,845.902	815,134.598
216	383,906.753	815,162.632
217	383,920.282	815,163.507

REVISION DATE	DATE	SCALE, FEET	HWY:	STATE R/W PROJECT NUMBER	PLAT SHEET
OCTOBER 18, 2021	APRIL 14, 2021	0 25 50	LOCAL STREET	4986-00-24	4.06
			COUNTY: FOND DU LAC	CONSTRUCTION PROJECT NUMBER 4986-00-25	PS&E SHEET 158 E

FILE NAME : 040101_RP.DWG
LAYOUT NAME - 040106_rp
PLOT DATE : 10/18/2021 7:10 AM
PLOT BY : BRAD LEE
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 75

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
124 - 125	N44° 46' 38"W	17.83'
125 - 126	N89° 01' 39"W	70.94'
127 - 128	S89° 01' 39"E	135.95'
128 - 129	N34° 42' 56"E	164.64'
230 - 229	S55° 17' 04"E	0.75'
229 - 228	S33° 44' 09"W	27.66'
228 - 227	S20° 16' 36"W	26.02'
227 - 226	S16° 52' 26"E	16.18'
226 - 225	S37° 52' 26"E	15.10'
225 - 224	S68° 32' 26"E	20.80'
224 - 223	S75° 52' 26"E	44.45'
222 - 220	N89° 01' 39"W	152.58'
220 - 219	S00° 13' 09"E	77.27'
218 - 217	S34° 36' 16"W	149.71'

R/W POINT COORDINATES		
PT. NO.	Y	X
124	384,110.155	815,214.327
125	384,122.815	815,201.765
126	384,124.019	815,130.837
127	384,184.009	815,131.946
128	384,181.702	815,267.881
129	384,317.031	815,361.642
218	384,043.505	815,248.526
219	384,043.735	815,308.526
220	384,121.008	815,308.230
222	384,118.419	815,460.790
223	384,190.278	815,464.395
224	384,201.126	815,421.289
225	384,208.736	815,401.931
226	384,220.655	815,392.661
227	384,236.138	815,387.964
228	384,260.542	815,396.980
229	384,283.541	815,412.339
230	384,283.965	815,411.726

EXISTING MONUMENTS			
PT. NO.	Y	X	DESCRIPTION
IP21	384,182.730	815,182.217	3/4" IRON ROD
IP61	384,200.595	815,420.714	1" IRON PIPE

EASEMENT TABLE			
UTILITY NUMBER	OWNER	RECORDING INFORMATION	LOCATED IN R/W PARCEL
84	ALIANT ENERGY - ELECTRIC	DOC. 275387 V. 682, P. 484	46
85	AT&T COMMUNICATIONS	DOC. 275387 V. 682, P. 484	46
85	AT&T COMMUNICATIONS	DOC. 891981	39

PI = 100+00.00W
Y = 384,160.217
X = 815,049.492

PI = 104+97.40W
Y = 384,151.030
X = 815,546.803

PI = 31+20.76
Y = 384,122.698
X = 815,270.971
Δ = 00° 43' 05" LT

PI = 32+77.02
Y = 384,250.196
X = 815,361.319
Δ = 07° 05' 57" LT

PI = 33+48.03
Y = 384,312.764
X = 815,394.900

END RELOCATION ORDER
STA 33+33.21
Y = 384,299.702
X = 815,387.890

4

4

REVISION DATE OCTOBER 18, 2021 N.C.	DATE APRIL 14, 2021	SCALE, FEET 0 25 50	HWY: LOCAL STREET	STATE R/W PROJECT NUMBER 4986-00-24	PLAT SHEET 4.07
			COUNTY: FOND DU LAC	CONSTRUCTION PROJECT NUMBER 4986-00-25	PS&E SHEET 159 E

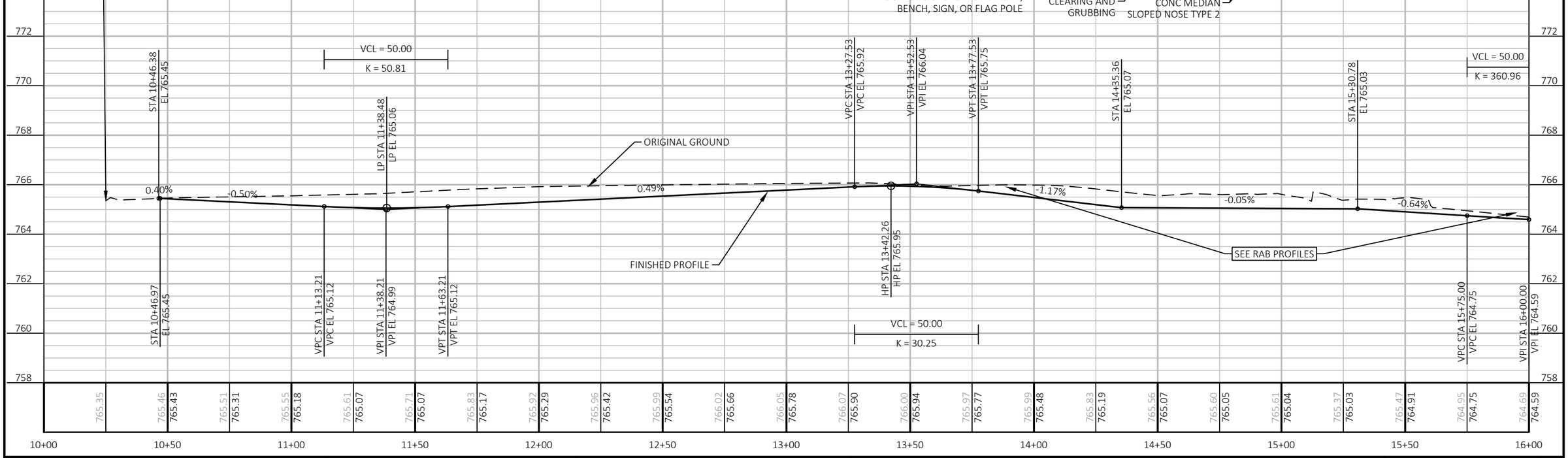
FILE NAME : 040101_RP.DWG
LAYOUT NAME - 040107_rp

PLOT DATE : 10/18/2021 7:10 AM PLOT BY : BRAD LEE PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 75

SAWCUT EXISTING ASPHALT 2-FT BEHIND SIDEWALK AND PLACE HYDRO MULCH
ASPH DRIVEWAY STA 1+35 'W9'
W. 9TH ST. (WEST)
TLE
R/W
ASPH DRIVEWAY STA 10+89
REPLACE WITH ASPHALTIC SURFACE
HIRAMS AUTO REPAIR LLC
CHARTER
TLE
BP: 9+88.71
ALLIANT
10
CITY OF FOND DU LAC
11
12
13
EXISTING R/W
BEGIN PROJECT STA 10+20.00 MATCH EXISTING SAW CUT REQ'D
SAWCUT EXISTING ASPHALT 2-FT BEHIND SIDEWALK AND PAVE WITH ASPHALTIC SURFACE
TLE
ASPH DRIVEWAY STA 11+24
GRUBBING
CITY OF FOND DU LAC
FOND DU LAC SCHOOL DISTRICT
CONC SIDEWALK 4-INCH
CONC CURB AND GUTTER INTEGRAL 30-INCH TYPE D
SI (TYP)
COLORING CONC WISDOT RED CROSSWALKS
HMA PAVEMENT
CURB RAMP TYPE 2
CURB RAMP TYPE 2 MODIFIED
CURB RAMP TYPE 2
2W2
ALLIANT
SUPERIOR ST.
ST2
R/W
SI
CITY OF FOND DU LAC
BM 164
HMA PAVEMENT
PT: 21+21.11S
CURB RAMP TYPE 2
CITY OF FOND DU LAC
EP: 21+69.45S
BP: 30+00.00WA
CURB RAMP TYPE 2
CITY OF FOND DU LAC
DO NOT REMOVE BUSHES
CONC DRIVEWAY STA 13+75
EP: 30+65.68WA
END CONSTRUCTION STA 30+63.35 'WA' MATCH EXISTING SAW CUT REQ'D
WALKER ST.
MICHAEL ORVOLD
ALLIANT
EXISTING R/W
REMOVING CONC SIDEWALK
SI (TYP)
PC: 21+81.64
CURB RAMP TYPE 7B MODIFIED
CONC MEDIAN SLOPED NOSE TYPE 1
CURB RAMP TYPE 6
CURB RAMP TYPE 7B
CONC MEDIAN SLOPED NOSE TYPE 2
CONC CURB AND GUTTER 36-INCH TYPE R (REVERSE SLOPE)
CONC CURB AND GUTTER 18-INCH TYPE A REVERSED SLOPE
J & D INVESTMENTS OF RIPON INC.
DO NOT DISTURB MONUMENT, BENCH, SIGN, OR FLAG POLE
CLEARING AND GRUBBING
CONC MEDIAN SLOPED NOSE TYPE 2
COLORING CONC WISDOT RED CROSSWALKS
BJS RENTALS LLC
ALLIANT
MARIA S HERNANDEZ CASTRO
COLORING CONC WISDOT RED CROSSWALKS
CLEARING & GRUBBING
CONC DRIVEWAY STA 15+45
BASE DRIVEWAY STA 14+16
CURB RAMP TYPE 7B MODIFIED
PC: 0+87.96CC
PT: 0+87.96CC
PI: 0+87.96CC
CHARTER
PT: 14+35.36
PI: 15+30.78
CONC MEDIAN SLOPED NOSE TYPE 2
CURB RAMP TYPE 7B MODIFIED
ALLIANT
CURB RAMP TYPE 6
CITY OF FOND DU LAC
CITY OF FOND DU LAC
EXISTING R/W
CITY OF FOND DU LAC
BP: 10+00.00EB9
BP: 10+00.00WB9
ALLIANT
VISTA31 LLC
W. 9TH ST. (EAST)
MATCH LINE STA 0+00.00

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
164	12+88	78.3' LT ; HYDRANT BURY TAG BOLT	767.390



PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	PLAN AND PROFILE: MILITARY ROAD	SHEET 160	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - (1)
PLOT DATE : 10/27/2021 9:29 AM
PLOT BY : CONNOR GIRTEN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

MATCH LINE STA 16+00.00

MATCH LINE STA 22+00.00

AT&T
BEGIN CONSTRUCTION STA 50+02.21 'G' MATCH EXISTING SAW CUT REQ'D
GROVE ST.
BP: 50+00.00
CHARTER
HMA PAVEMENT
ALLIANT
CURB RAMP TYPE 4B1 MODIFIED
BM 1107
MARK A & AMY S CHARNESKI
STEPS TO REMAIN
COLORING CONC WISDOT RED CROSSWALKS
CONC CURB AND GUTTER INTEGRAL 30-INCH TYPE D
CONC DRIVEWAY STA 18+14
ADAM C KNUEPPEL
CLEARING & GRUBBING
CONC DRIVEWAY STA 18+98
KURT A PERRY
ASPH DRIVEWAY STA 19+53
MICHAEL A MOON
MARK S LUCAS
CLEARING & GRUBBING
ASPH DRIVEWAY STA 20+67
TERRI L MANTHEI & BRYAN B SCHABEL
ASPH DRIVEWAY STA 21+40
VICTOR A SERWE
AT&T
CONC MEDIAN SLOPED NOSE TYPE 1
TLE
CURB RAMPS TYPE 2
DO NOT REMOVE TREE
ALLIANT
PI: 16+63.41
PI: 17+32.73
EP: 50+00.02
CHARTER
CITY OF FOND DU LAC
AT&T
ALLIANT
TLE
CLEARING & GRUBBING
CURB RAMP TYPE 7B
COLORING CONC WISDOT RED CROSSWALKS
BP: 60+00.00H
CURB RAMPS TYPE 2
BM 1100
PI: 60+35.04H
EP: 60+64.18H
TLE
KEVIN L BARBER
17
18
19
20
21
ALLIANT
CURB RAMP TYPE 7B
ALLIANT
TLE
CHARTER
CLEARING & GRUBBING
CITY OF FOND DU LAC
EXISTING R/W
CLEARING & GRUBBING
COLORING CONC WISDOT RED CROSSWALKS
ASPH DRIVEWAY STA 18+19
CONC SIDEWALK 4-INCH
CLEARING & GRUBBING
TLE
SI (TYP)
CLEARING & GRUBBING
EXISTING R/W
JACALYN M KONEN & WARREN L DEIBERT
CHARTER
CURB RAMP TYPE 4B1 MODIFIED
HMA PAVEMENT
END CONSTRUCTION STA 60+63.18 'H' MATCH EXISTING SAW CUT REQ'D
HENNING ST.
ALLIANT
CHARTER
ANDREW BRUNO

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
1100	21+18	20.8' RT ; ARROW NUT ON HYDRANT	763.990
1107	17+73	38.7' LT ; ARROW NUT ON HYDRANT	766.190

CITY OF FOND DU LAC

770
768
766
764
762
760
758
756
755

VCL = 50.00
K = 360.96
VCL = 50.00
K = 50.00
ORIGINAL GROUND
-0.50%
FINISHED PROFILE
VPI STA 16+00.00
VPI EL 764.59
VPT STA 16+25.00
VPT EL 764.46
VPC STA 21+80.55
VPC EL 761.68

| | | |

MATCH LINE STA 22+00.00

MATCH LINE STA 28+00.00

5

5

TERRI L MANTHEI & BRYAN B SCHABEL

MICHAEL R & GEORGENE M SPERBECK

BRADLEY MICHAEL & TINA MARIE MARX

ALLIANT

BEGIN CONSTRUCTION STA 70+02.47 'WI' MATCH EXISTING SAW CUT REQ'D

WILKINS ST

BP: 70+00.00

SILVER BEE LLC

END CONSTRUCTION STA 80+29.29 'B' MATCH EXISTING SAW CUT REQ'D

WESTBROOKE OF FOND DU LAC LLC

S. BROOKE ST.

CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D

ALLIANT

HMA PAVEMENT

CITY OF FOND DU LAC

BASE DRIVEWAY STA 22+57

SI (TYP)

ASPH DRIVEWAY STA 23+78

AT&T

CURB RAMP TYPE 2 MODIFIED

SAWCUT EXISTING ASPHALT 2-FT BEHIND SIDEWALK AND PAVE WITH ASPHALTIC SURFACE

CHARTER

COLORING CONC WISDOT RED CROSSWALKS

CONCRETE ISLAND (SEE DETAIL)

BP: 80+40.00B

TLE

ALLIANT

BM 1111

CURB RAMP TYPE 4B1 MODIFIED

CURB RAMPS TYPE 2

EP: 70+93.84W

CURB RAMP TYPE 4B1

CITY OF FOND DU LAC

ALLIANT

CURB RAMP TYPE 7B MODIFIED

CHARTER

CHARTER

CONC SIDEWALK 4-INCH

CURB RAMP TYPE 7B

EP: 81+39.68B

EXISTING CONC SIDEWALK

TLE

CLEARING & GRUBBING

ASPH DRIVEWAY STA 22+70

TLE

CHARTER

CLEARING & GRUBBING

ASPH DRIVEWAY STA 23+57

CLEARING & GRUBBING

BASE DRIVEWAY STA 24+34

ALLIANT

COLORING CONC WISDOT RED CROSSWALKS

COLORING CONC WISDOT RED CROSSWALKS

COLORING CONC WISDOT RED CROSSWALKS

SI (TYP)

LARRY & ANTHONY SCHIBLINE

EXISTING R/W

BROOKE ST. TRAIL

KEVIN L BARBER

TAMRA J OMAN

DANIEL V MOON

CITY OF FOND DU LAC

KEVIN L BARBER

ALLIANT

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
1111	25+12	29.0' LT ; ARROW NUT ON HYDRANT	762.870

VCL = 50.00
K = 50.00

LP STA 22+05.55
LP EL 761.62

VPC STA 22+38.09
VPC EL 761.72

VPI STA 22+63.09
VPI EL 761.85

VPT STA 22+88.09
VPT EL 761.72

0.50%

VPI STA 22+05.55
VPI EL 761.56

VPT STA 22+30.55
VPT EL 761.68

HP STA 22+63.09
HP EL 761.78

VCL = 50.00
K = 50.00

-0.50%

VCL = 60.00
K = 25.58

LP STA 25+08.29
LP EL 760.65

VPC STA 24+95.50
VPC EL 760.68

VPI STA 25+25.50
VPI EL 760.53

VPC STA 25+83.34
VPC EL 761.60

1.85%

VPT STA 25+55.50
VPT EL 761.09

ORIGINAL GROUND

VPI STA 26+83.34
VPI EL 763.45

FINISHED PROFILE

HP STA 26+82.27
HP EL 762.51

VPT STA 27+83.34
VPT EL 761.56

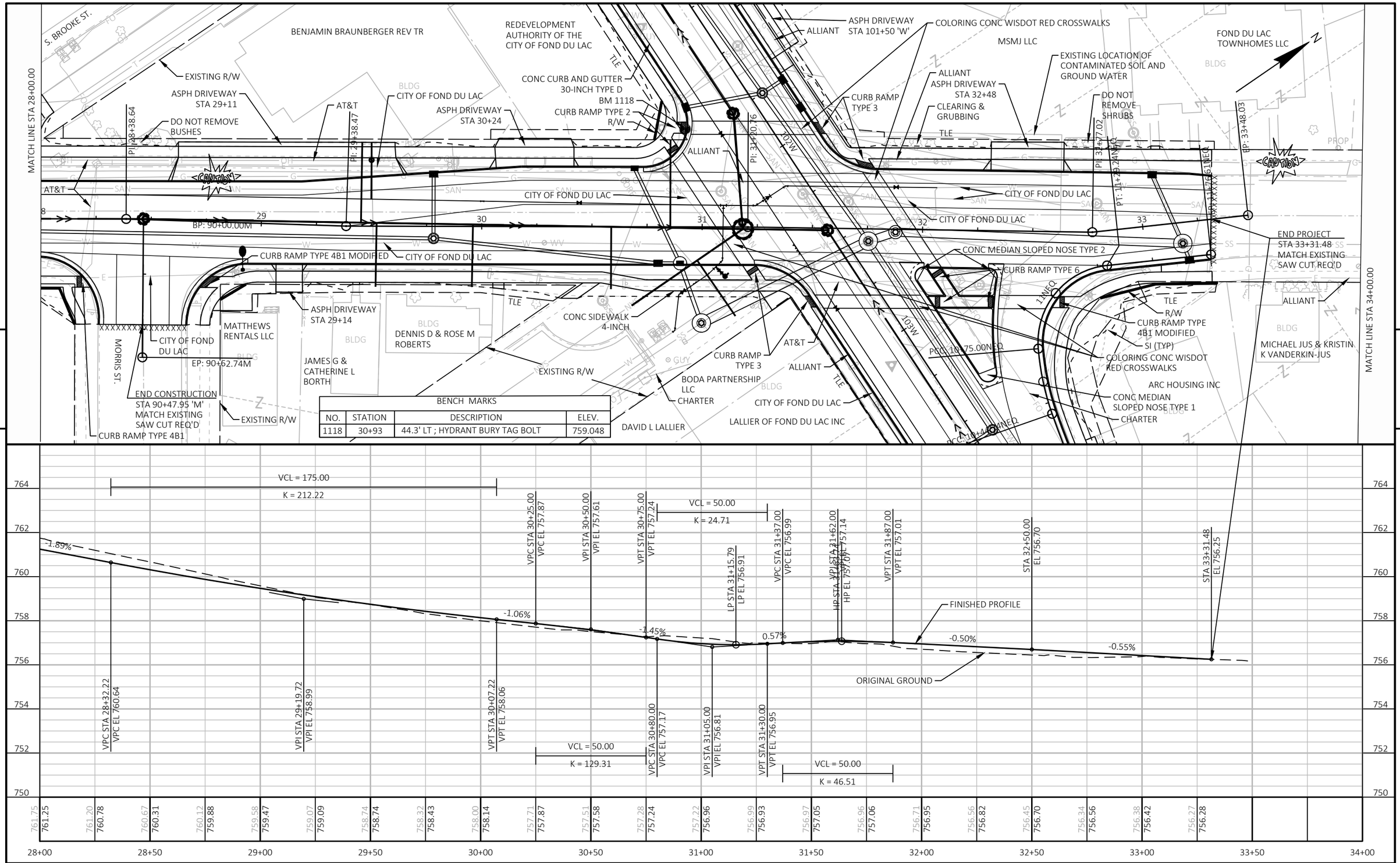
VCL = 200.00
K = 53.59

768
766
764
762
760
758
756
754

761.78 761.62 | 761.75 761.66 | 761.74 761.77 | 761.68 761.77 | 761.56 761.66 | 761.47 761.54 | 761.40 761.41 | 761.29 761.29 | 761.15 761.16 | 761.02 761.04 | 760.93 760.91 | 760.83 760.79 | 760.82 760.67 | 761.04 760.71 | 761.35 760.99 | 761.69 761.45 | 762.12 761.88 | 762.48 762.21 | 762.69 762.42 | 762.80 762.51 | 762.86 762.49 | 762.88 762.34 | 762.59 762.09 | 762.19 761.71 | 761.75 761.25

22+00 22+50 23+00 23+50 24+00 24+50 25+00 25+50 26+00 26+50 27+00 27+50 28+00

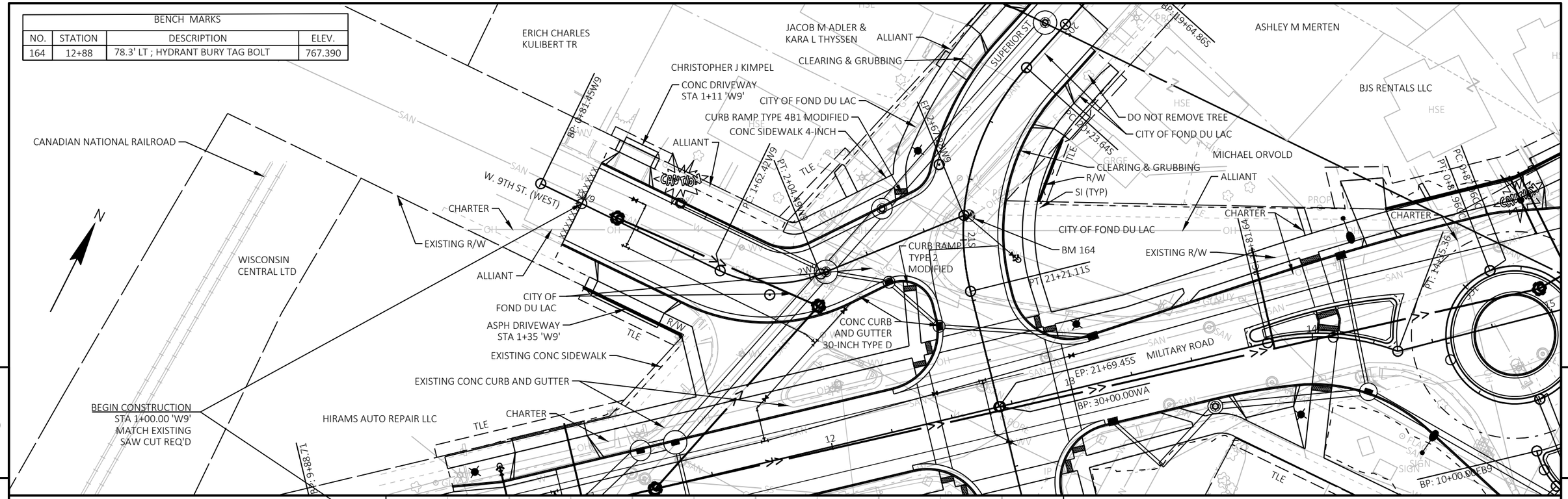
PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	PLAN AND PROFILE: MILITARY ROAD	SHEET 162 E

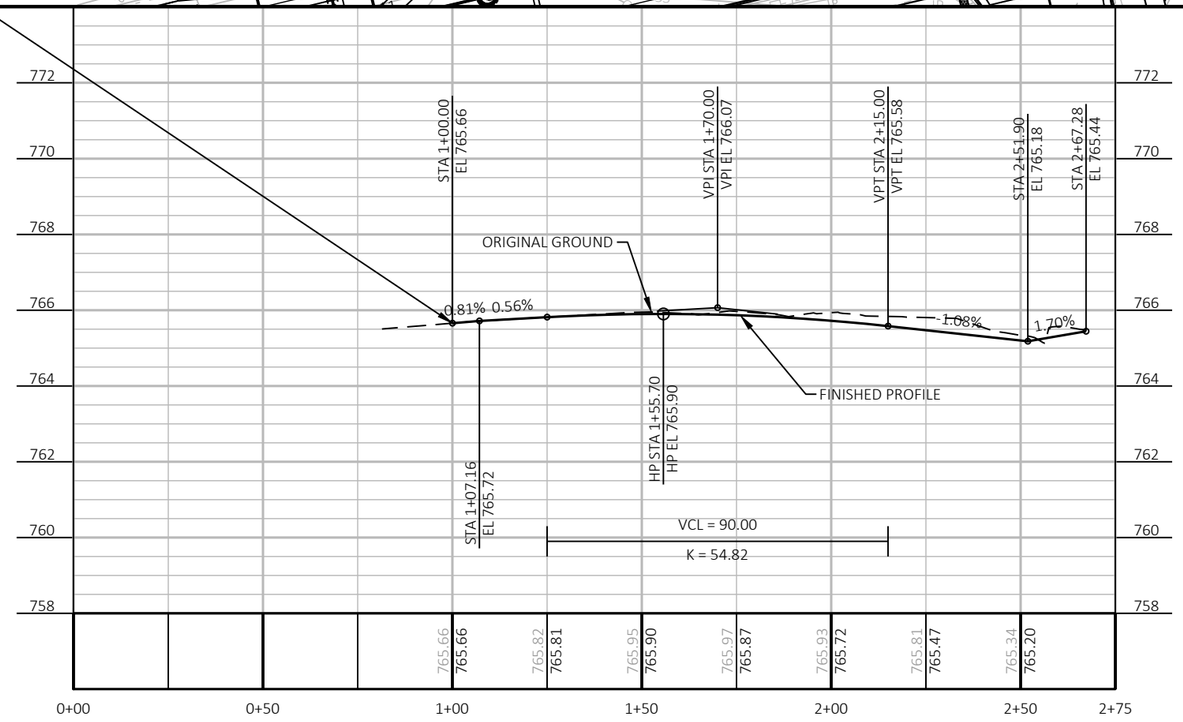


PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	PLAN AND PROFILE: MILITARY ROAD	SHEET 163	E

FILE NAME : P:\18005\1870S\1878\01878045\CADD\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - (4)
PLOT DATE : 10/27/2021 9:29 AM
PLOT BY : CONNOR GIRTEN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

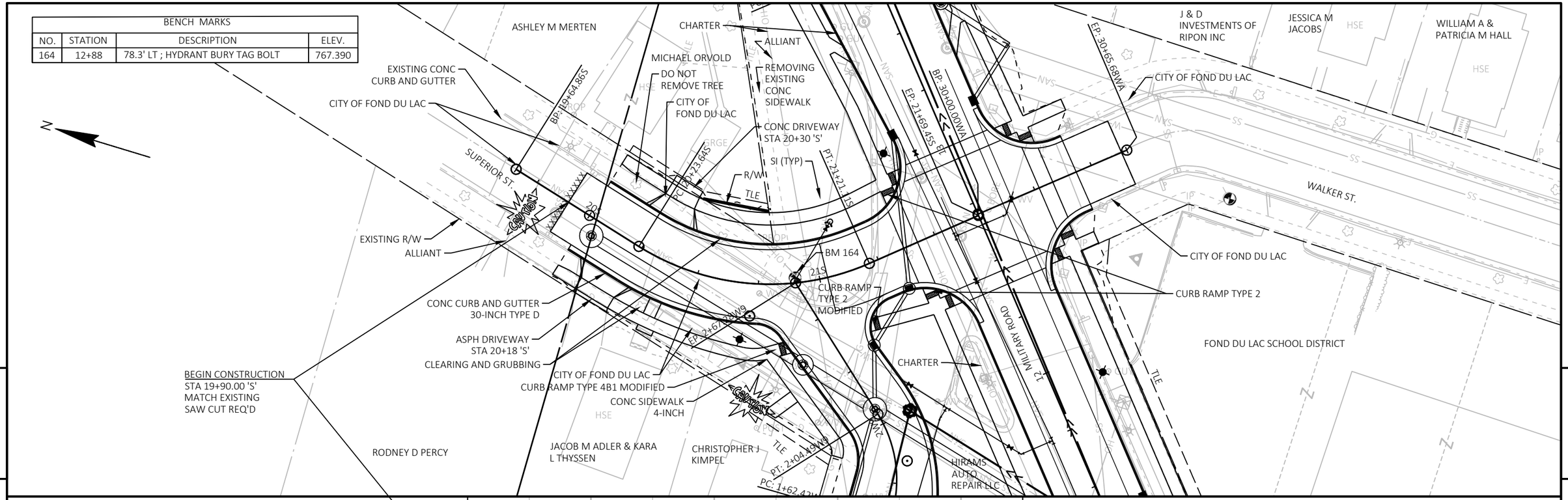
BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
164	12+88	78.3' LT ; HYDRANT BURY TAG BOLT	767.390

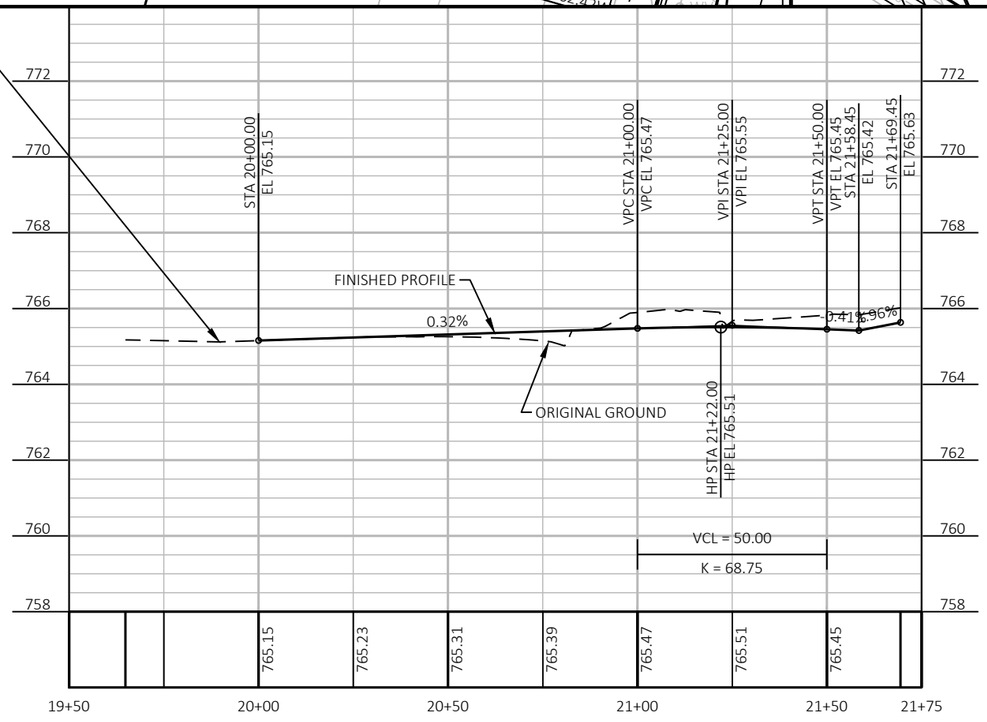




PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	PLAN AND PROFILE: W. 9TH ST. WEST 'W9'	SHEET 164	E

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
164	12+88	78.3' LT ; HYDRANT BURY TAG BOLT	767.390

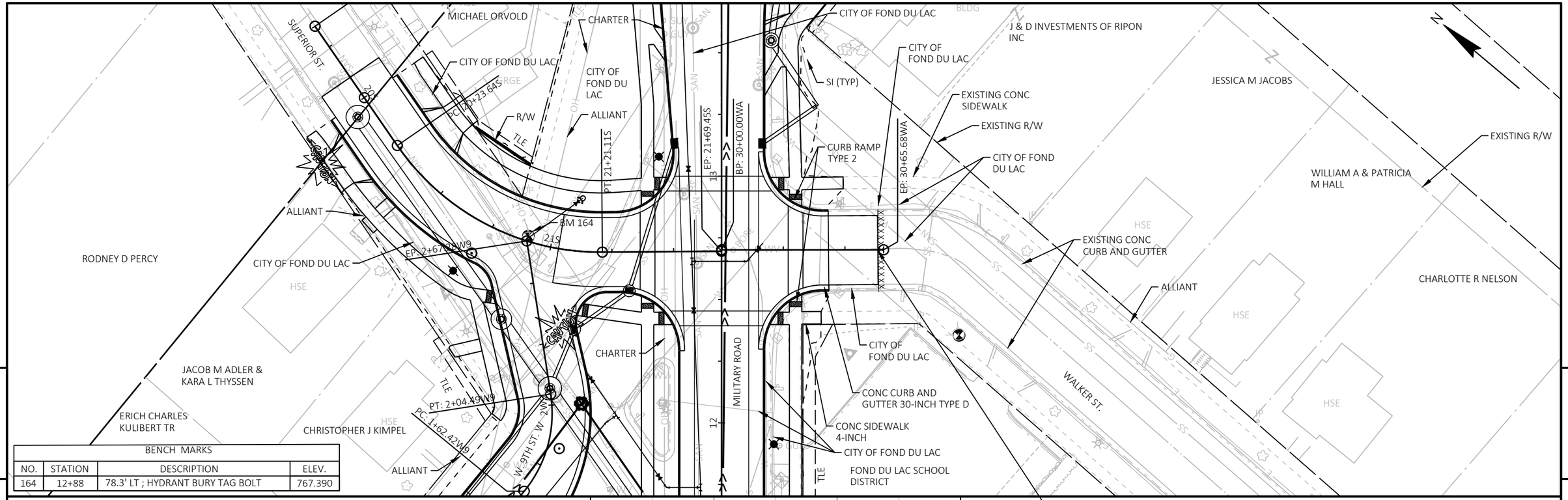




PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	PLAN AND PROFILE: SUPERIOR ST. 'S'	SHEET 165	E

FILE NAME : P:\18005\1870S\1878\01878045\CADD\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - (12)

PLOT DATE : 10/27/2021 9:30 AM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

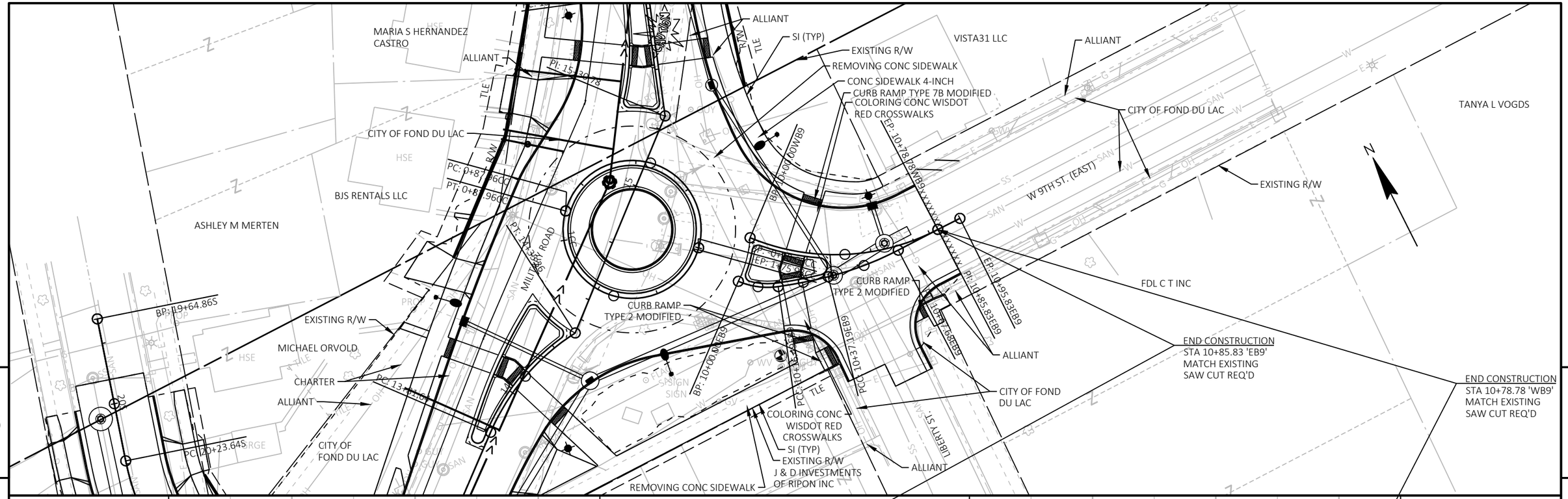


BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
164	12+88	78.3' LT ; HYDRANT BURY TAG BOLT	767.390

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	PLAN AND PROFILE: WALKER ST. 'WA'	SHEET 166 E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - (14)

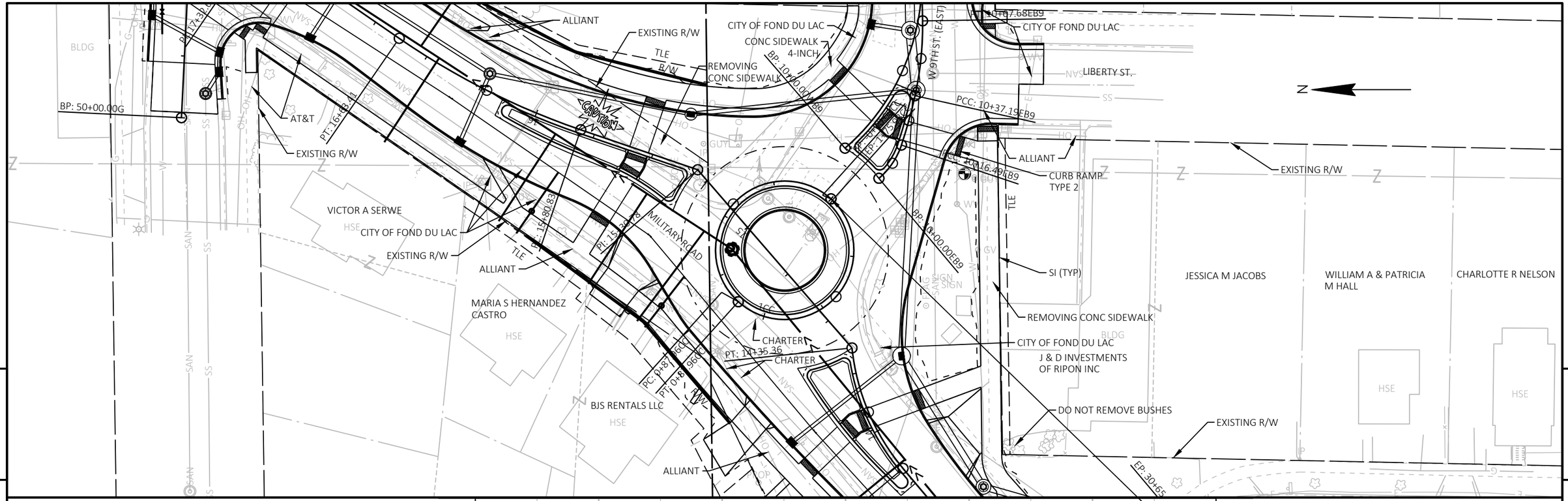
PLOT DATE : 10/27/2021 9:30 AM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT



PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	PLAN AND PROFILE: W. 9TH STREET (EAST) 'EB9' & 'WB9'	SHEET 167 E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - (17)

PLOT DATE : 10/27/2021 9:30 AM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

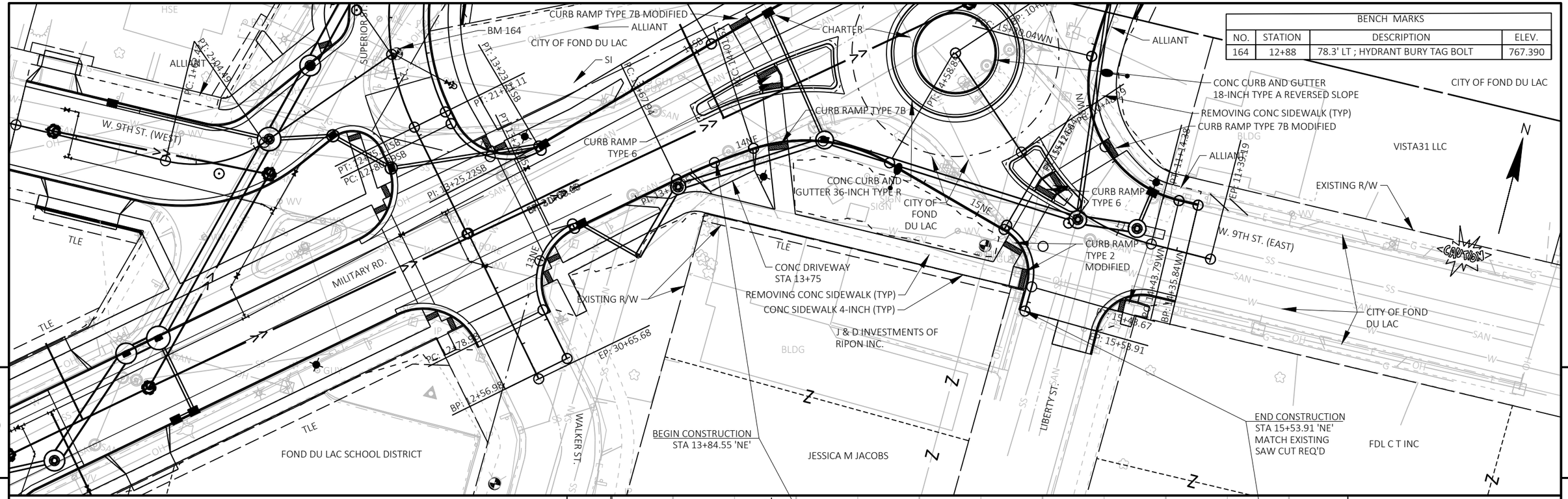


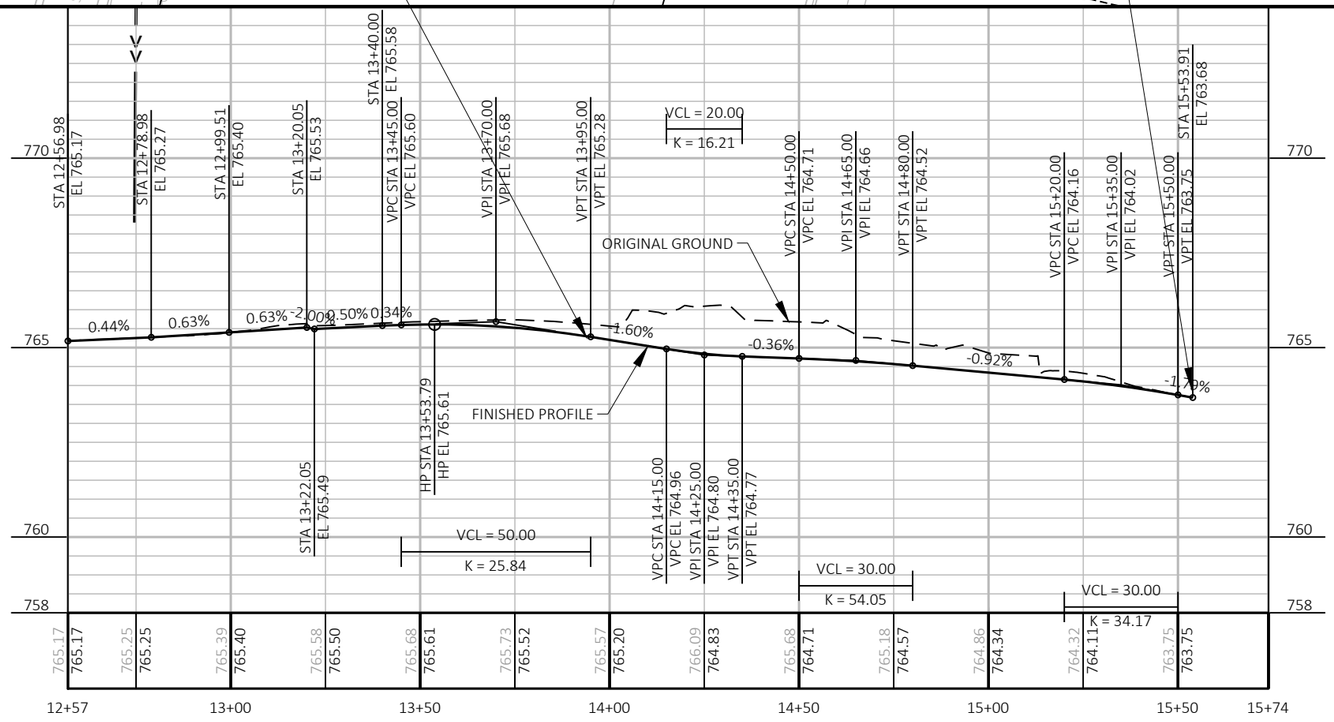
PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	PLAN AND PROFILE: CENTER CIRCLE 'C'	SHEET 168	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - (18)

PLOT DATE : 10/27/2021 9:30 AM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

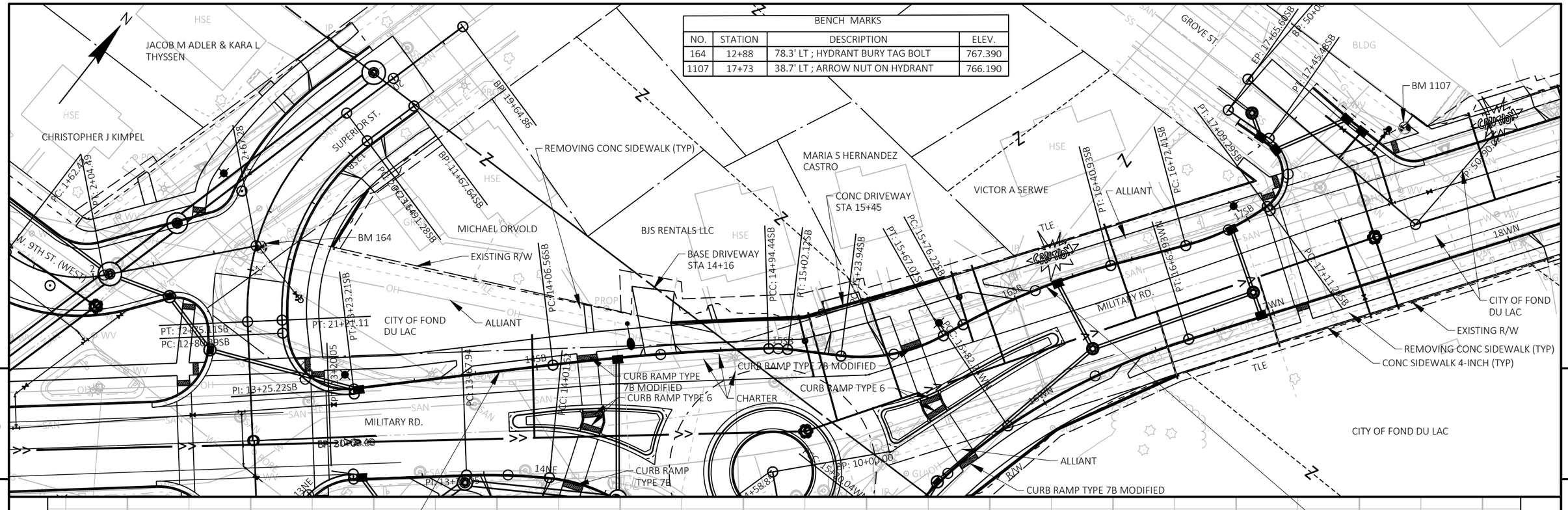
BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
164	12+88	78.3' LT ; HYDRANT BURY TAG BOLT	767.390



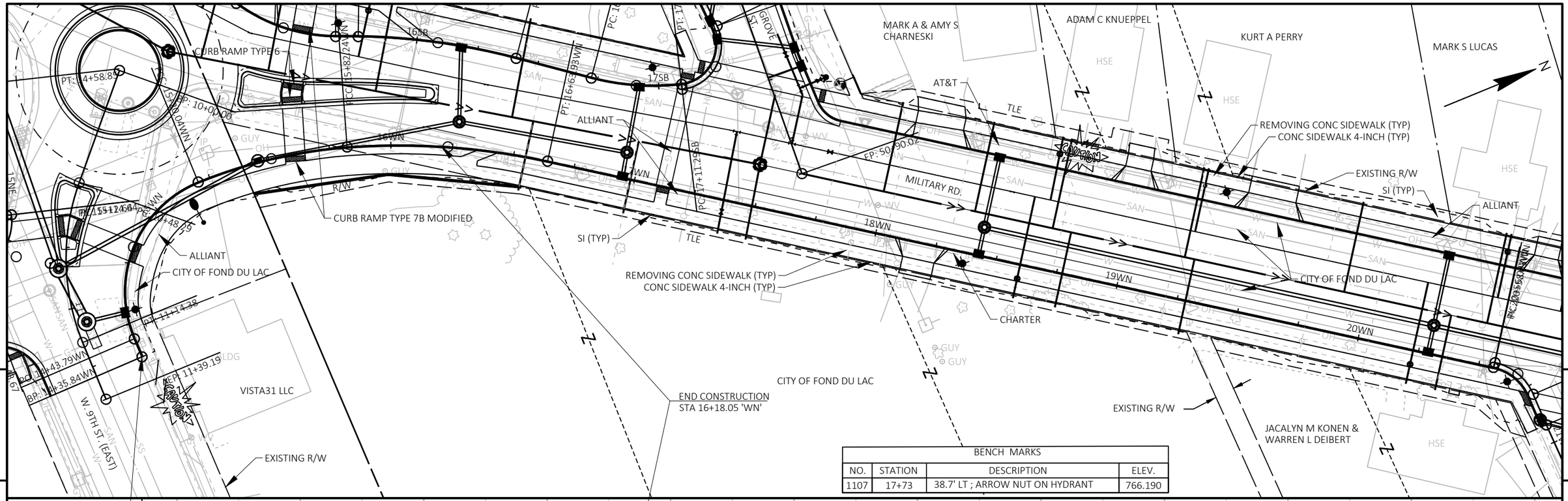


PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	PLAN AND PROFILE: RAB NB TO EB 'NE'	SHEET 169	E

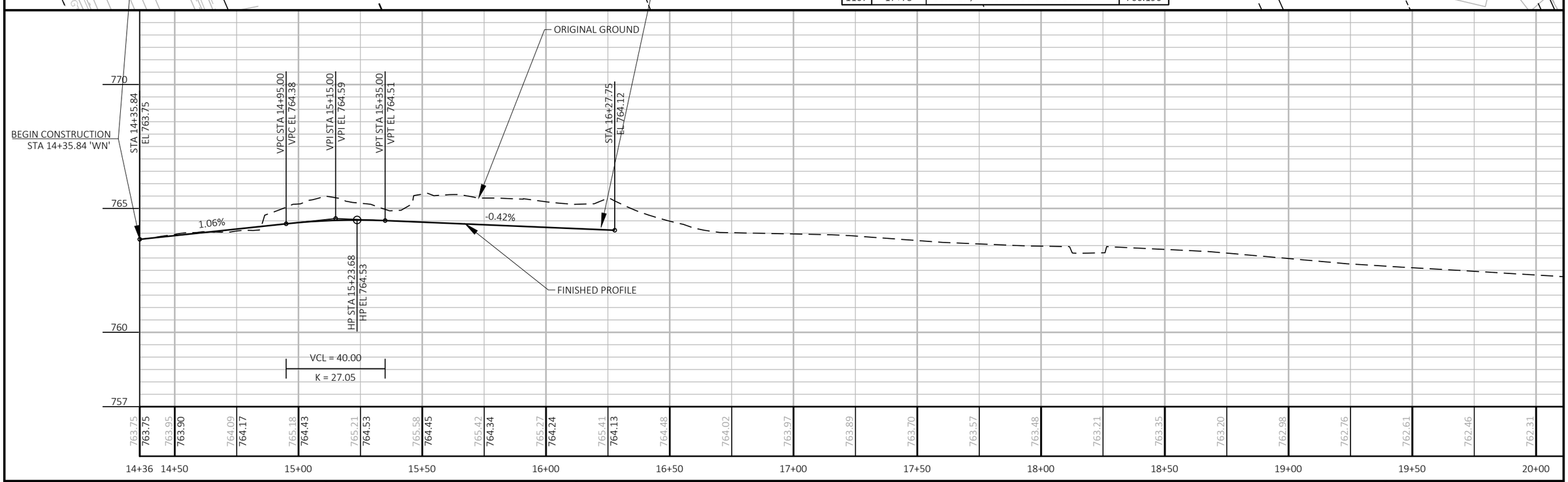
BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
164	12+88	78.3' LT ; HYDRANT BURY TAG BOLT	767.390
1107	17+73	38.7' LT ; ARROW NUT ON HYDRANT	766.190



PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	PLAN AND PROFILE: RAB SB 'SB'	SHEET 170 E

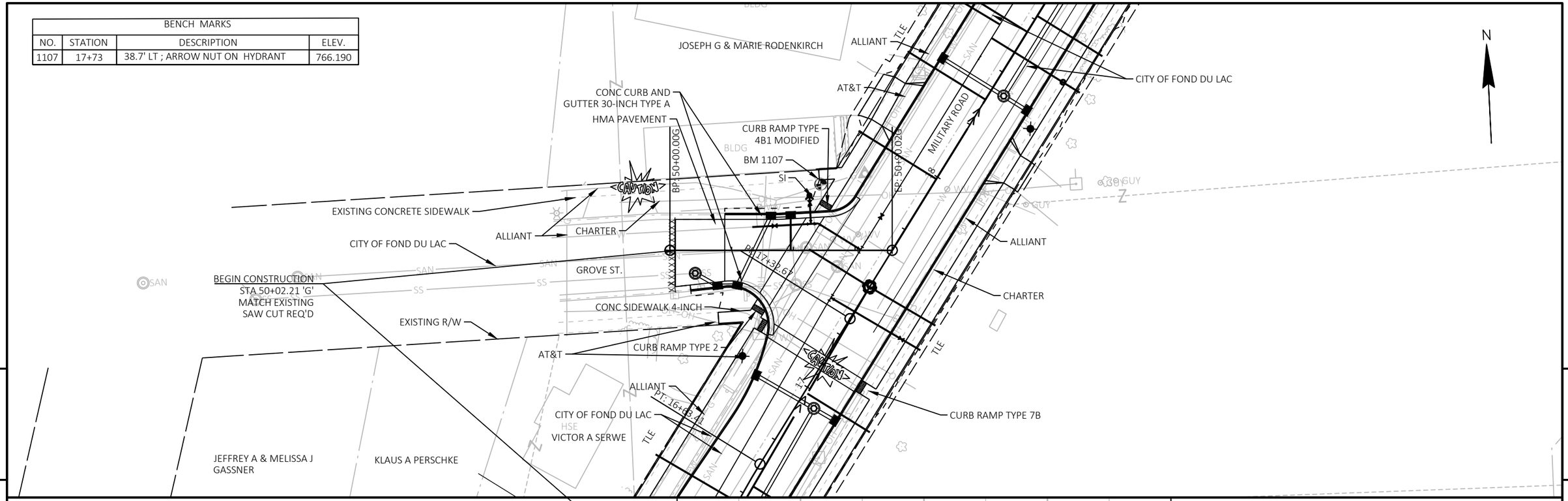


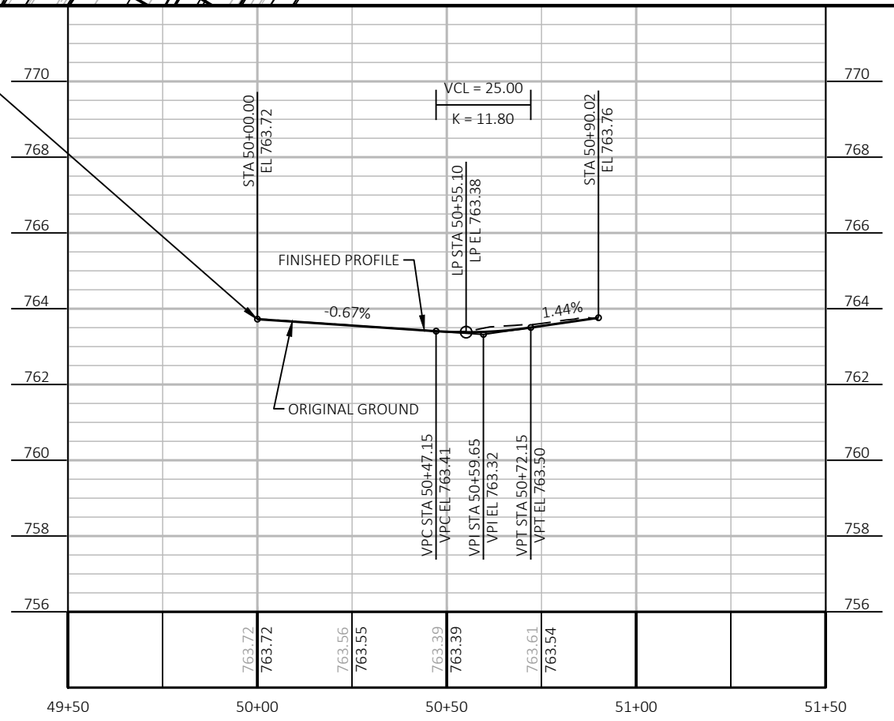
BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
1107	17+73	38.7' LT ; ARROW NUT ON HYDRANT	766.190



PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	PLAN AND PROFILE: RAB WB TO NB 'WN'	SHEET 171 E

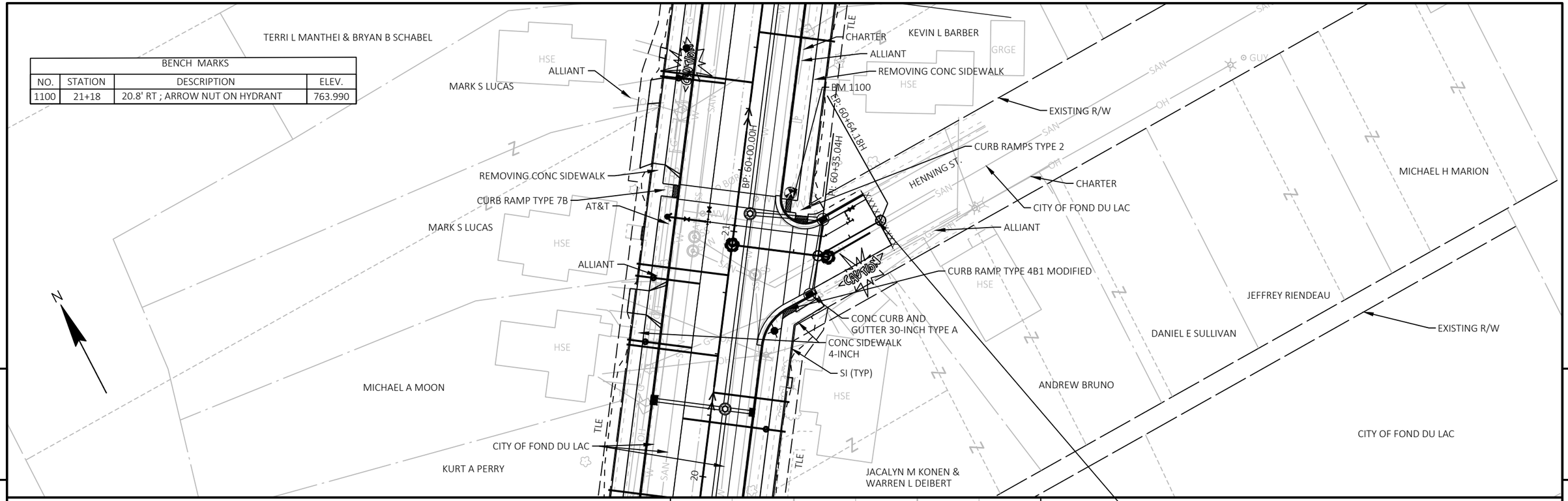
BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
1107	17+73	38.7' LT ; ARROW NUT ON HYDRANT	766.190

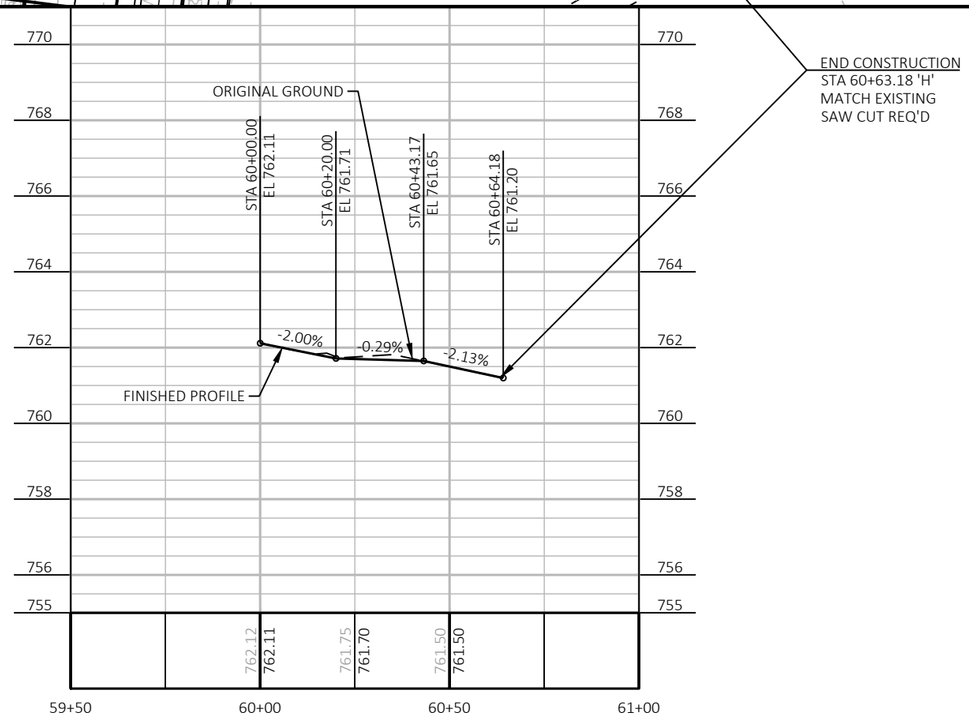




PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	PLAN AND PROFILE: GROVE ST. 'G'	SHEET 172	E

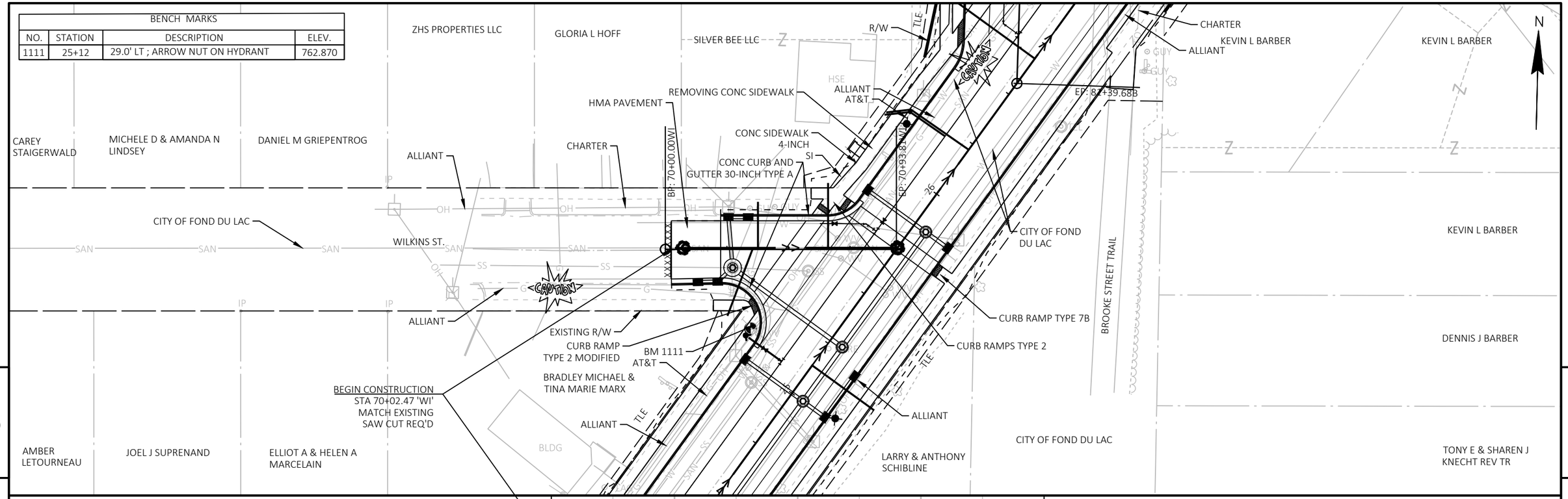
BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
1100	21+18	20.8' RT ; ARROW NUT ON HYDRANT	763.990

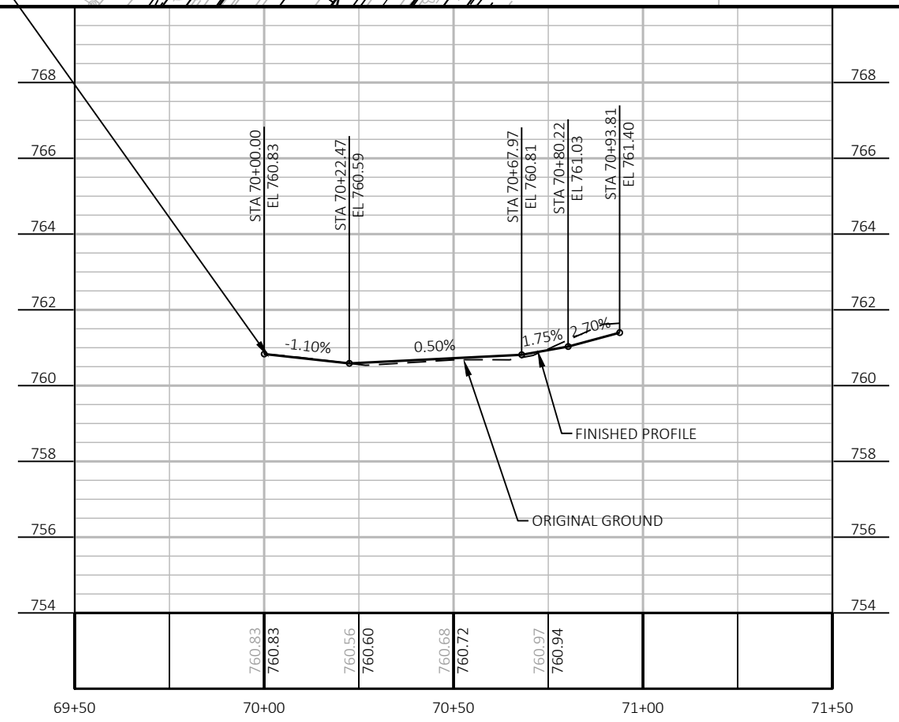




PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	PLAN AND PROFILE: HENNING ST. 'H'	SHEET 173	E

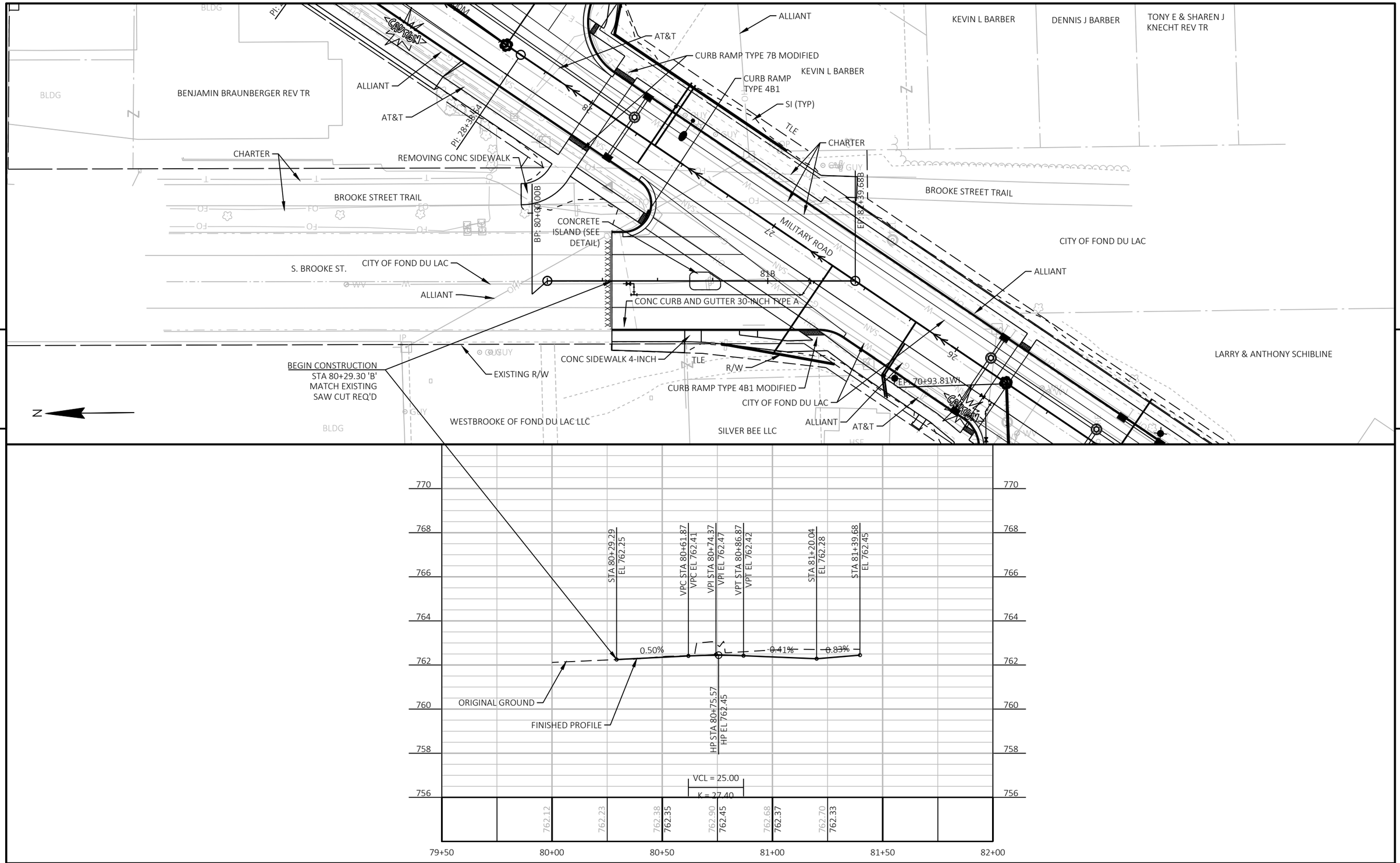
BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
1111	25+12	29.0' LT ; ARROW NUT ON HYDRANT	762.870





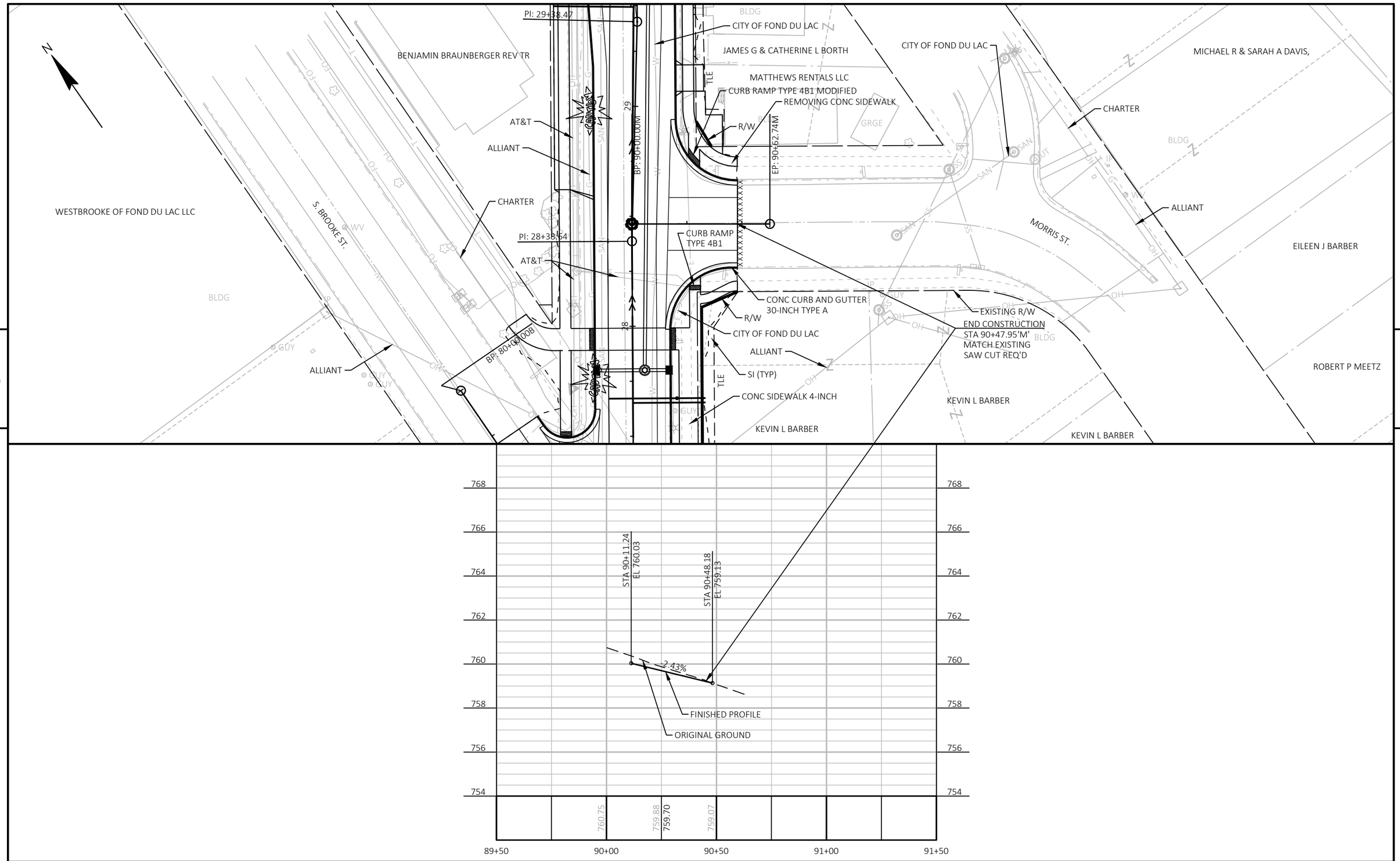
PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	PLAN AND PROFILE: WILKINS ST. 'WI'	SHEET 174	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - (15)
PLOT DATE : 10/27/2021 9:31 AM
PLOT BY : CONNOR GIRTEN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	PLAN AND PROFILE: S. BROOKE ST. 'B'	SHEET 175	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - (11)
PLOT DATE : 10/27/2021 9:31 AM
PLOT BY : CONNOR GIRTEN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



5

5

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	PLAN AND PROFILE: MORRIS ST. 'M'	SHEET 176	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - (10)

PLOT DATE : 10/27/2021 9:31 AM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
1118	30+93	44.3' LT ; HYDRANT BURY TAG BOLT	759.048

N

BP: 100+00.00W

CHARTER

CITY OF FOND DU LAC

BEGIN CONSTRUCTION
STA 100+52.82 'W'
MATCH EXISTING
SAW CUT REQ'D

CONC CURB AND GUTTER 30-INCH TYPE A

RETAINING WALL TO REMAIN

FOND DU LAC TOWNHOMES LLC

MSMJ LLC

EXISTING LOCATION OF CONTAMINATED SOIL AND GROUND WATER

ASPH DRIVEWAY STA 101+50 'W'

CITY OF FOND DU LAC

CURB RAMP TYPE 3

TLE

CAUTION

ALLIANT

R/W

AT&T

SI (TYP)

CURB RAMP TYPE 4B1 MODIFIED

CURB RAMP TYPE 6

CHARTER

ARC HOUSING INC

TANEQ

PCC: 10+01.28NEQ

EP: 104+97.40W

PCC: 10+75.00NEQ

PCC: 10+47.00NEQ

EP: 10+00.00NEQ

101W

ALLIANT
102W

103W

104W

PC: 31+20.76

BM 1118

CURB RAMP TYPE 6

END CONSTRUCTION
STA 104+11.60 'W'
MATCH EXISTING
SAW CUT REQ'D

CONC SIDEWALK 4-INCH

TLE

CURB RAMP TYPE 2

CITY OF FOND DU LAC

EXISTING R/W

BENJAMIN BRAUNBERGER REV TR

REDEVELOPMENT AUTHORITY OF THE CITY OF FOND DU LAC

REMOVING CONC SIDEWALK

ALLIANT

CURB RAMP TYPE 3

AT&T

BODA PARTNERSHIP LLC

LALLIER OF FOND DU LAC INC

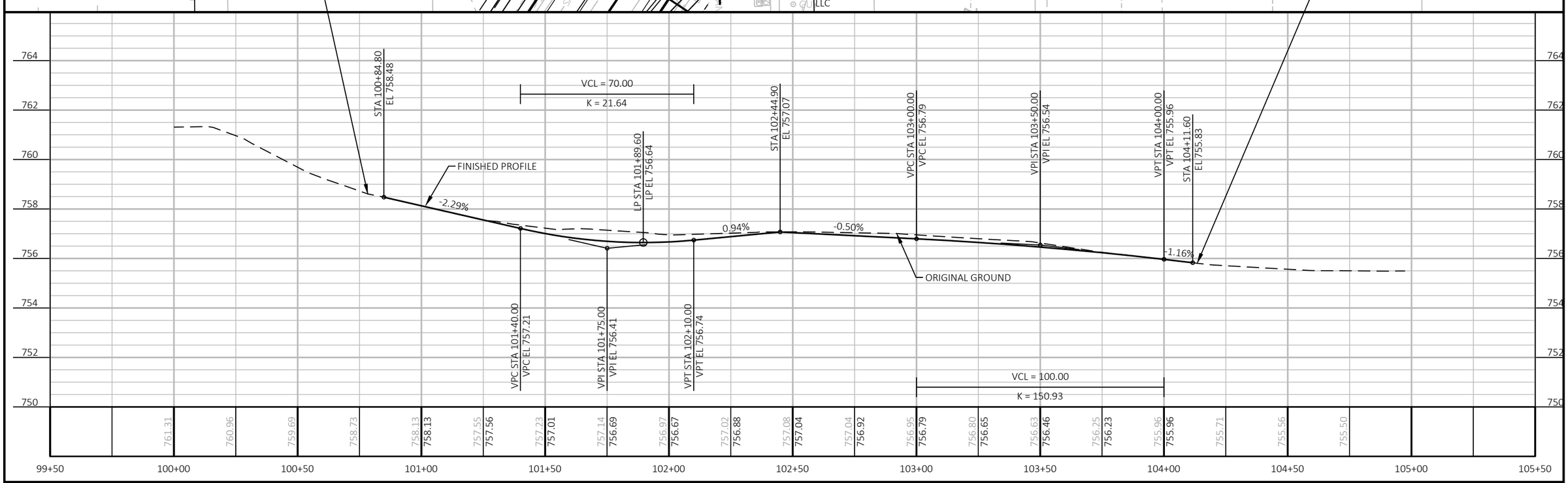
CITY OF FOND DU LAC

ASPH DRIVEWAY STA 103+92 'W'

RILEY INVESTMENT PROPERTIES

5

5

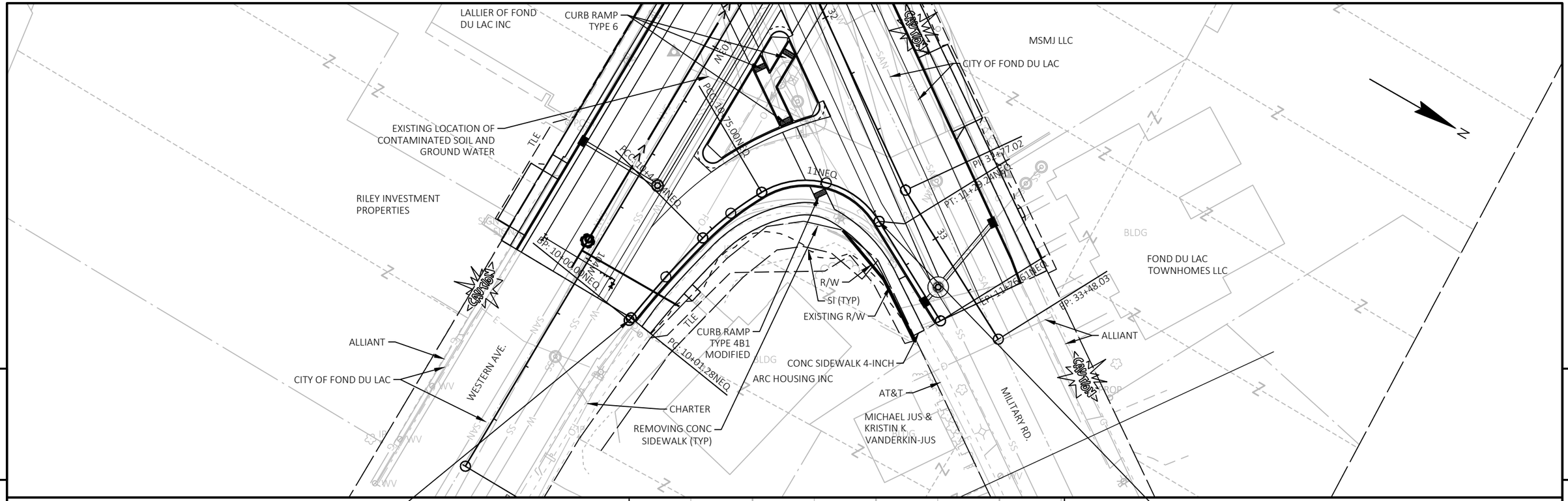


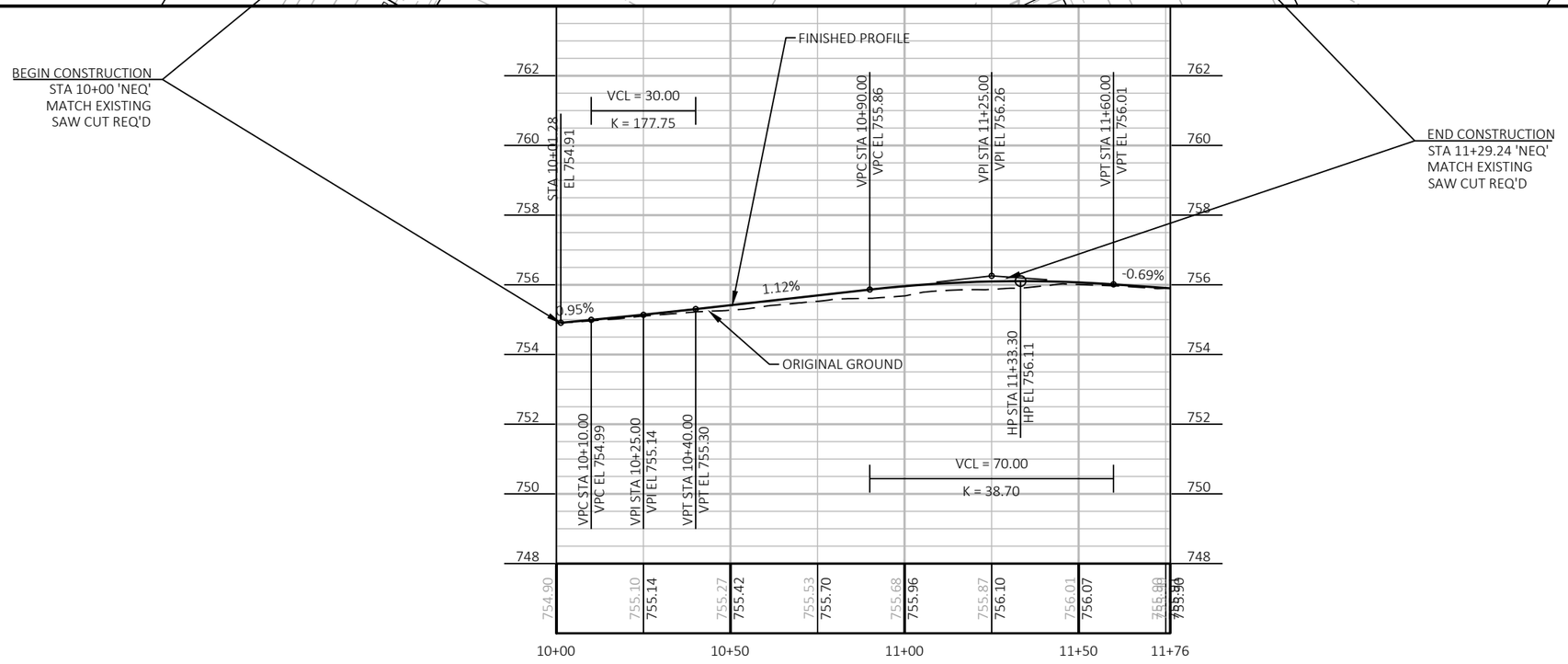
PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	PLAN AND PROFILE: WESTERN AVE. 'W'	SHEET 177	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - (7)

PLOT DATE : 10/27/2021 9:31 AM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44





PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	PLAN AND PROFILE: WESTERN AVE. NE QUAD BYPASS 'NEQ'	SHEET 178	E

FILE NAME : P:\18005\1870S\1878\01878045\CADD\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - (19)

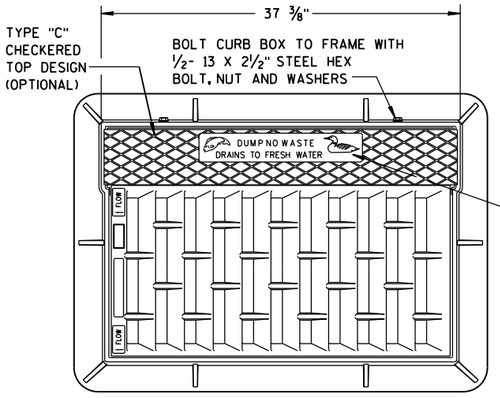
PLOT DATE : 10/27/2021 9:32 AM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

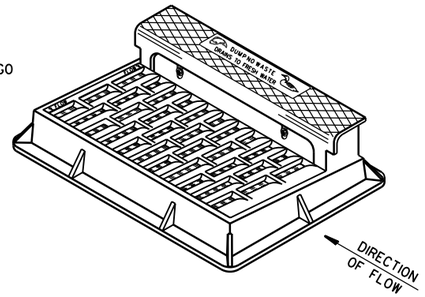
Standard Detail Drawing List

08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
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
08C06-02	INLETS 3-FT AND 4-FT DIAMETER
08C07-02	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08D01-22A	CONCRETE CURB & GUTTER
08D01-22B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D05-20A	CURB RAMPS TYPES 1 AND 1-A
08D05-20B	CURB RAMPS TYPES 2 AND 3
08D05-20C	CURB RAMPS TYPES 4A AND 4A1
08D05-20D	CURB RAMPS TYPE 4B AND 4B1
08D05-20E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-20F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-20G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08D18-02	DRIVEWAY AND SIDEWALK RAMPS TYPES X & Y
08D19-02	DRIVEWAY AND SIDEWALK RAMPS TYPE Z
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09B02-10	CONDUIT
09B04-11	PULL BOX
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)
09D02-03	SIGNAL CONTROL CABINET
09D04-03	LIGHTING CONTROL CABINET 120/240 VOLT
09E01-15A	POLE MOUNTINGS FOR TRAFFIC SIGNALS TYPE 2
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.
09F15-04B	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
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
13C18-07E	CONCRETE PAVEMENT JOINTING AND STEEL REINFORCEMENT IN ROUNDABOUTS
13C18-07F	CONCRETE PAVEMENT INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER
13C19-03	HMA LONGITUDINAL JOINTS
15C02-08A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-08B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-08C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-15A	PAVEMENT MARKING SYMBOLS
15C07-15C	PAVEMENT MARKING ARROWS
15C07-15D	ROUNDABOUT ARROWS
15C07-15E	PAVEMENT MARKING FOR BIKE LANES
15C08-20A	LONGITUDINAL MARKING (MAINLINE)
15C08-20B	PAVEMENT MARKING (TURN LANES)
15C08-20C	PAVEMENT MARKING (TURN LANES)
15C09-12A	SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS
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
15D30-06A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-06B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-06C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

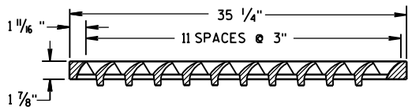
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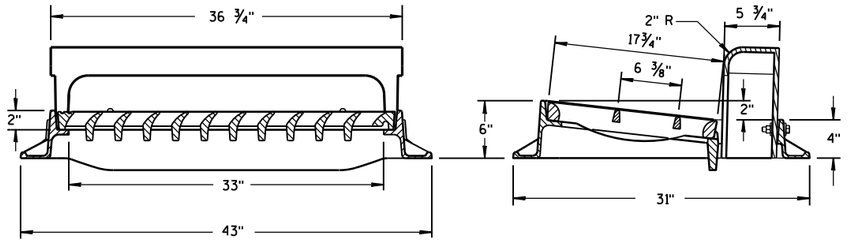


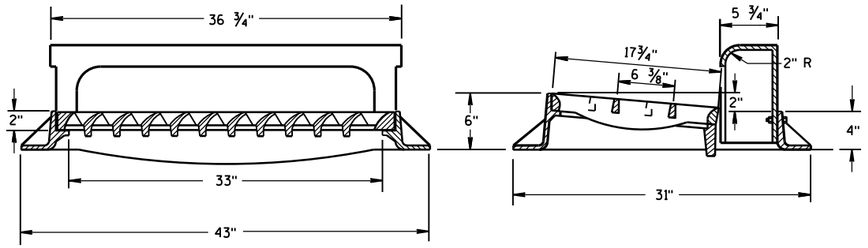
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

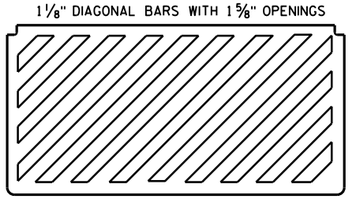






TYPE "H"

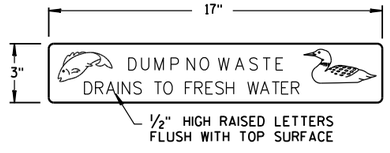
NOTE: EITHER CASTING IS ACCEPTABLE



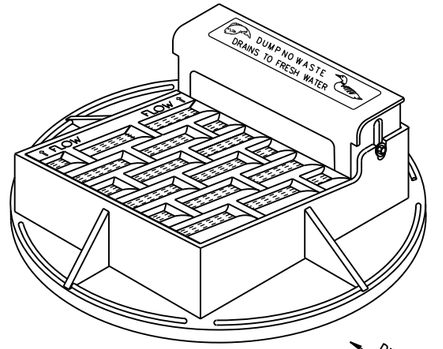
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35 1/4" X 17 3/4" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

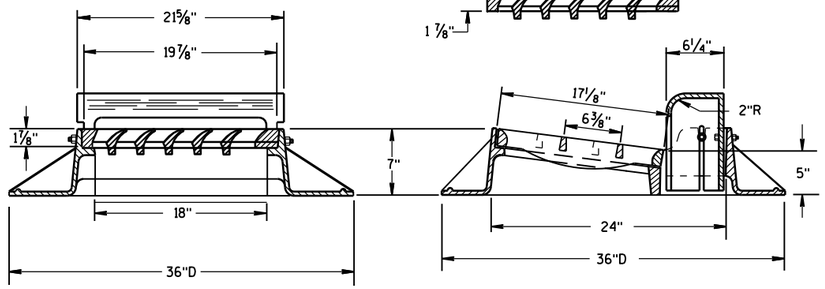


LOGO DETAIL



NOTE: CURB BOX ADJUSTABLE 4" TO 9"

NOTE:
GRATE IS REVERSIBLE.



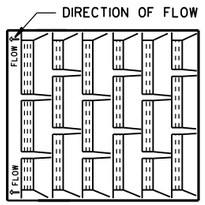
TYPE "A"

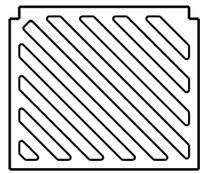
GENERAL NOTES

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

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

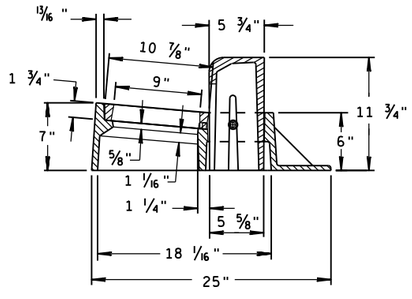


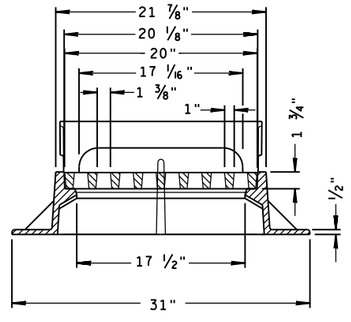


SPECIAL GRATE FOR TYPE "A" COVER

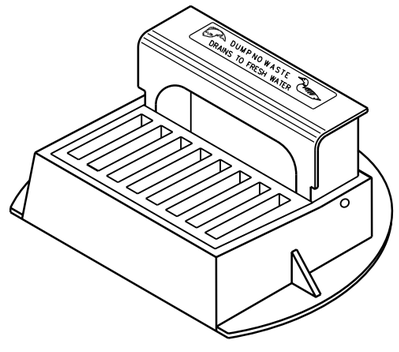
(MEASURES 19 3/4" X 17" X 1 7/8")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)





TYPE "Z"



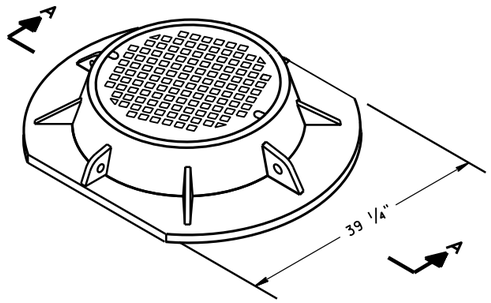
INLET COVERS TYPE A, H, A-S, H-S & Z

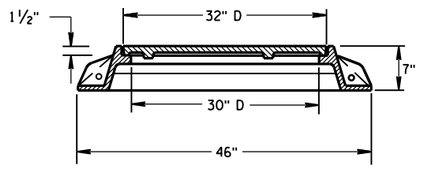
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11-27-13 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

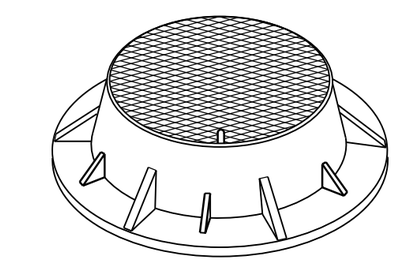
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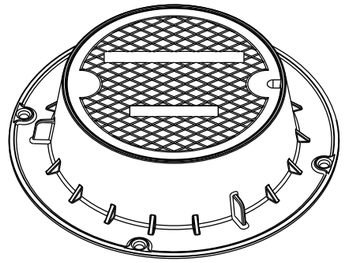
S.D.D. 8 A 5-19a

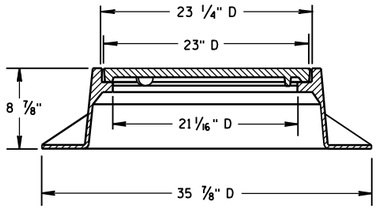


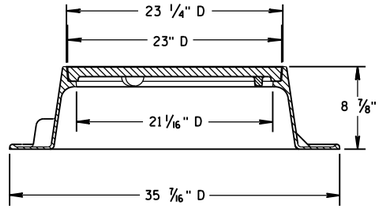


SECTION A-A
TYPE "K"









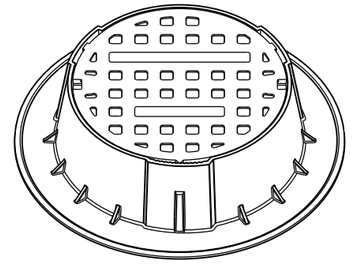
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

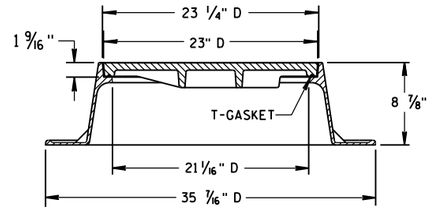
GENERAL NOTES

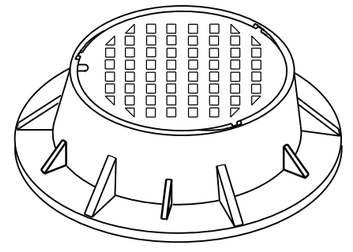
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

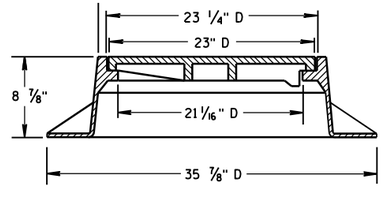
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

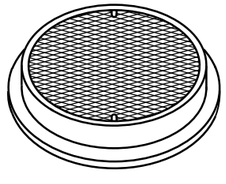


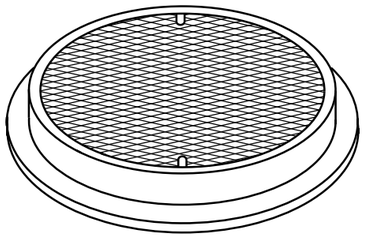


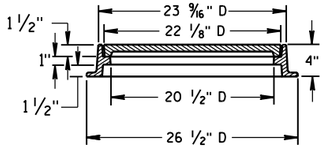




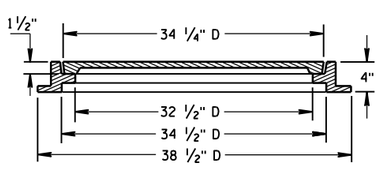
TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE



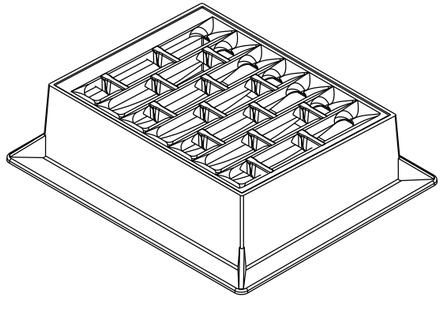


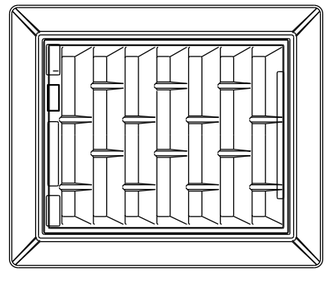


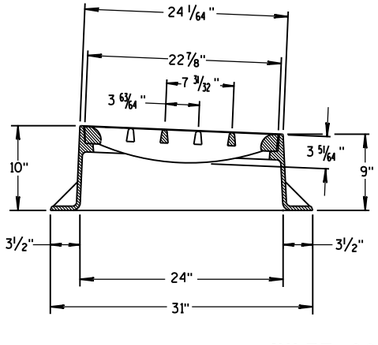
TYPE "L"

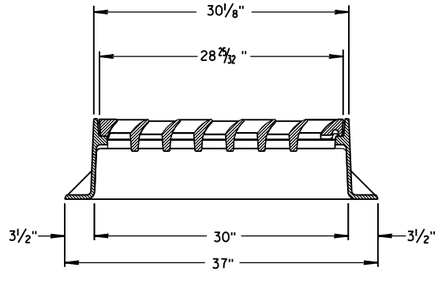


TYPE "M"









INLET COVER TYPE "BW"

INLET COVER TYPE BW
MANHOLE COVERS, TYPE K, J, J-S, L & M

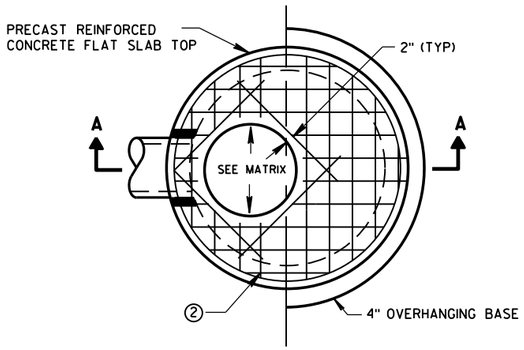
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE
FHWA

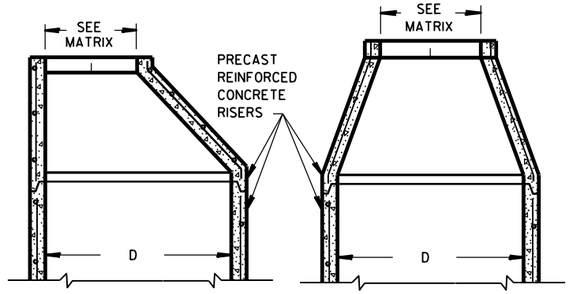
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

6

S.D.D. 8 A 5-19d

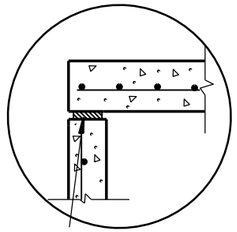


PLAN VIEW CIRCULAR OPENING

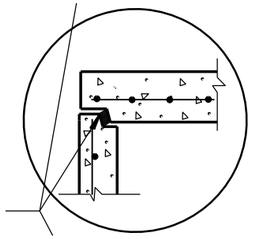


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

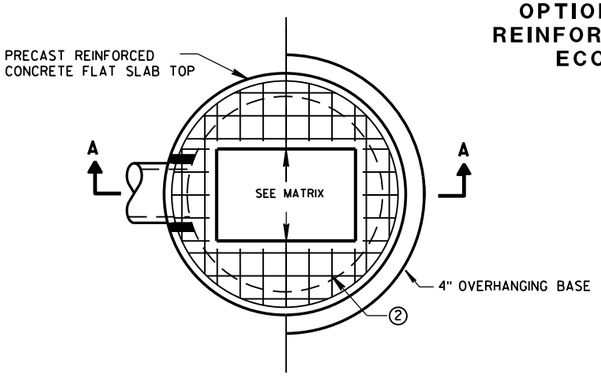
OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP



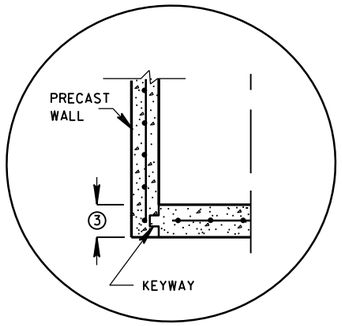
TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT

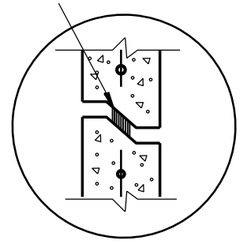


PLAN VIEW RECTANGULAR OPENING



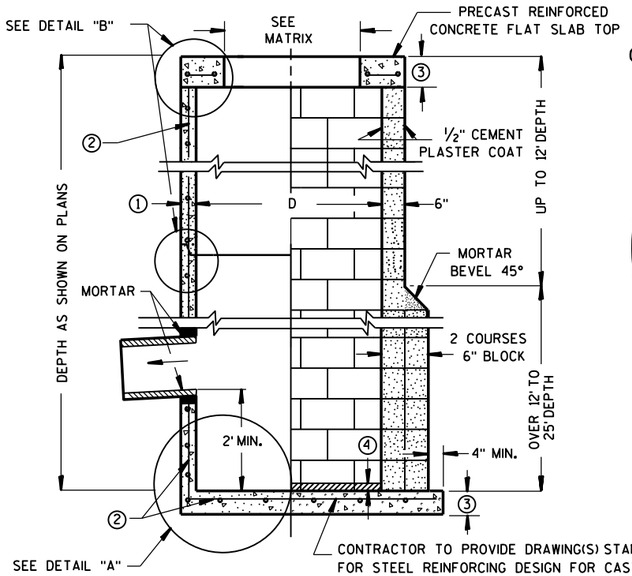
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)

PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



RISER WITH TONGUE AND GROOVE JOINT

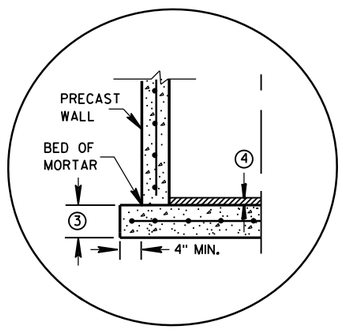
DETAIL "B"



SECTION A-A

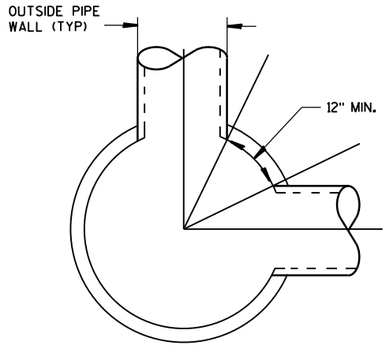
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

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

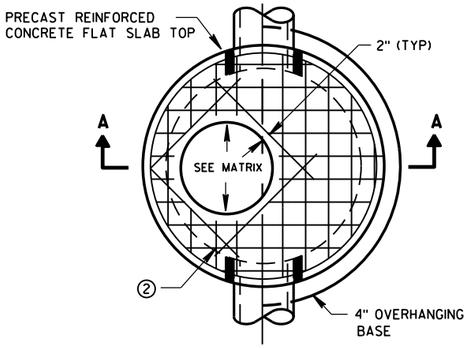
CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

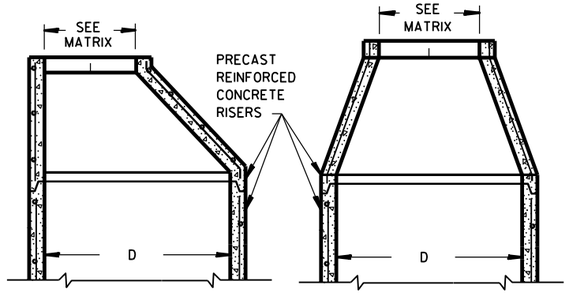
APPROVED
Sept., 2016
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS UNIT SUPERVISOR
FHWA

S.D.D. 8 A 8-2

S.D.D. 8 A 8-2

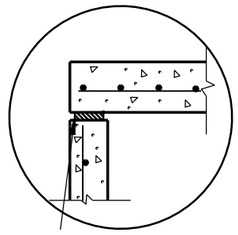


PLAN VIEW CIRCULAR OPENING

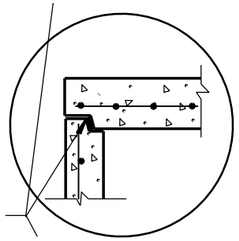


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

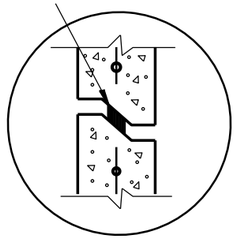


TOP WITH PLAIN END JOINT



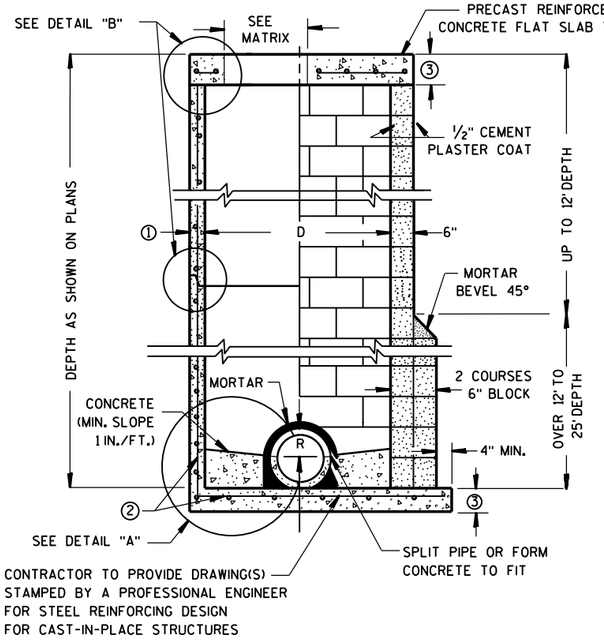
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



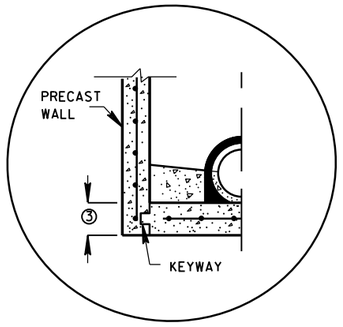
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

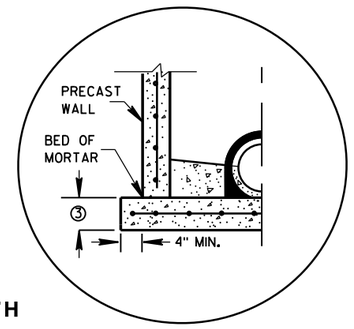


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

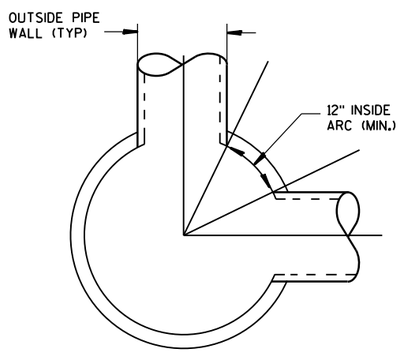


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



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

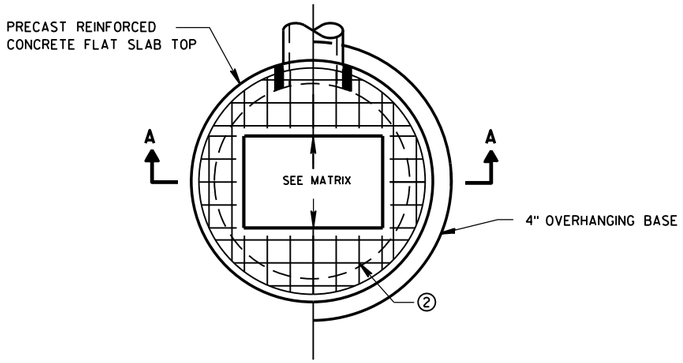
APPROVED

Sept., 2016
DATE

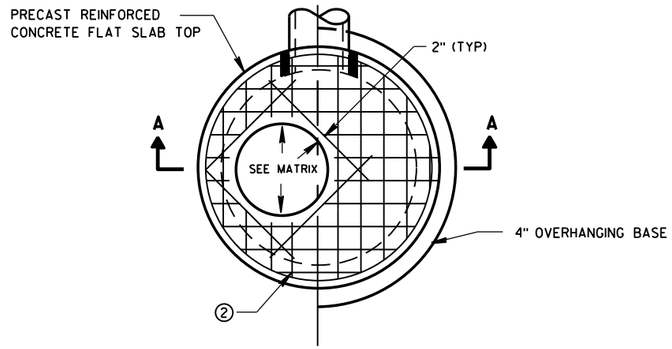
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERV

FHWA

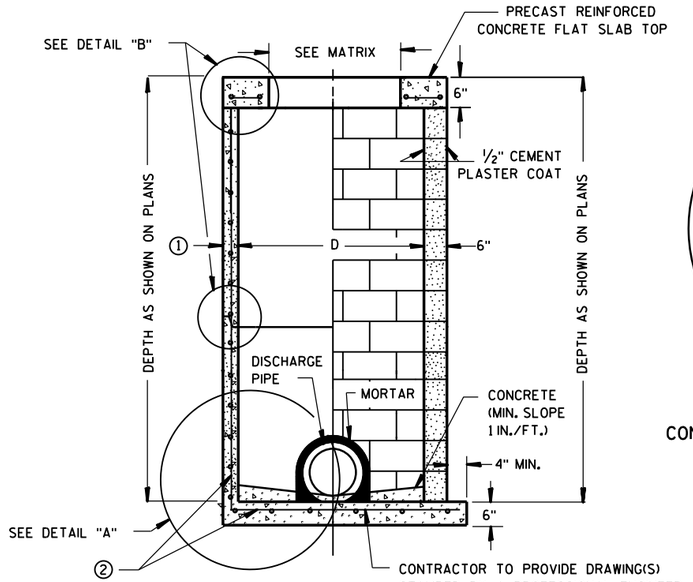
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PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

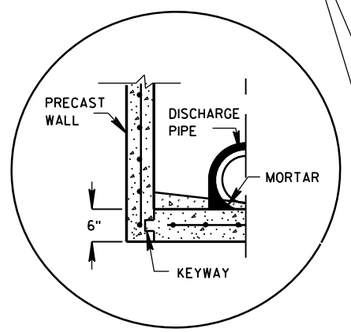


SECTION A-A

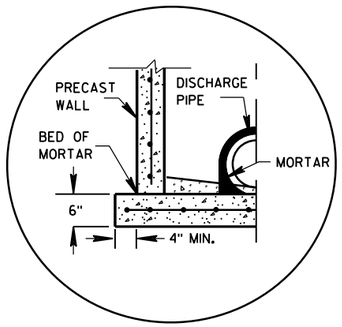
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

CIRCULAR INLETS W/ FLAT TOP

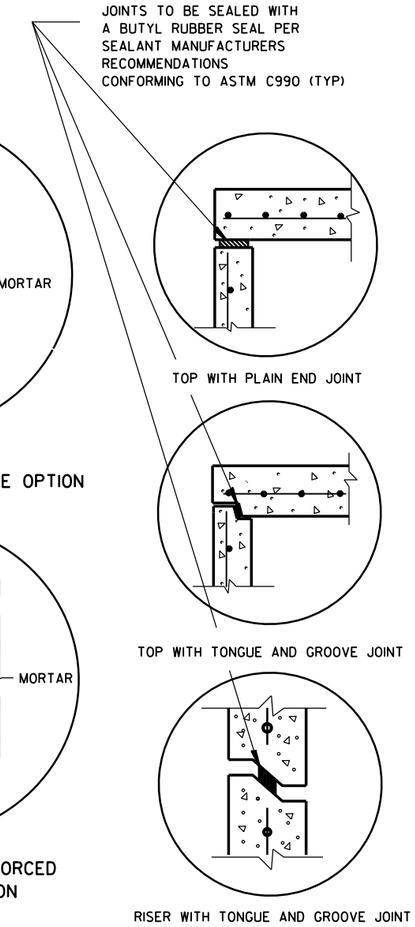


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "B"

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

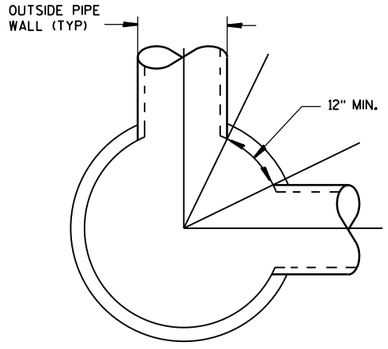
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4-IN FOR 3-FT DIAMETER AND 5-IN FOR 4-FT DIAMETER PRECAST INLETS.

② FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

INLET COVER OPENING MATRIX

	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
INLET SIZE	OPENING SIZE (FT)											
3-FT	2 DIA.				X							X
	2X2	X	X					X		X		
4-FT	2 DIA.				X							X
	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2X3						X					
	2.5X3					X						



DETAIL "C"

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

INLETS 3-FT AND 4-FT DIAMETER

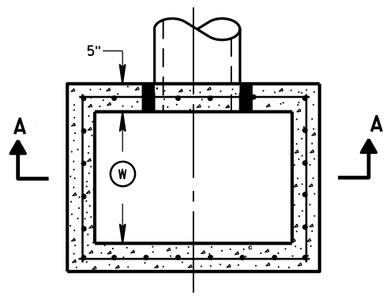
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept.. 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS | UNIT SUPERVI ENT
FHWA

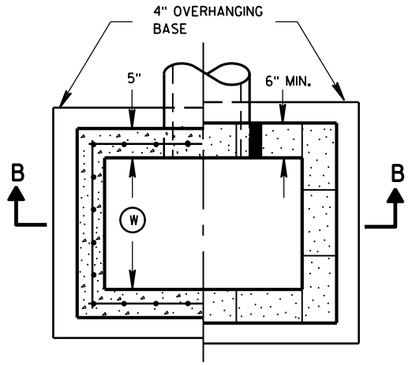
INLETS 3-FT AND 4-FT DIAMETER

6

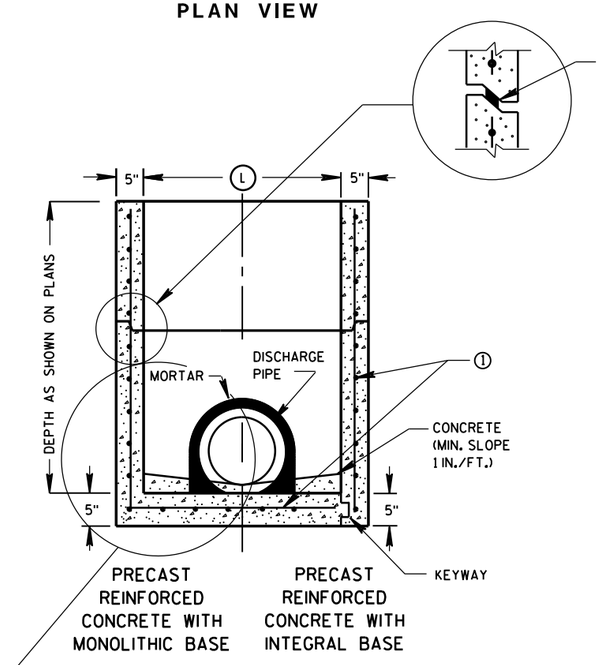
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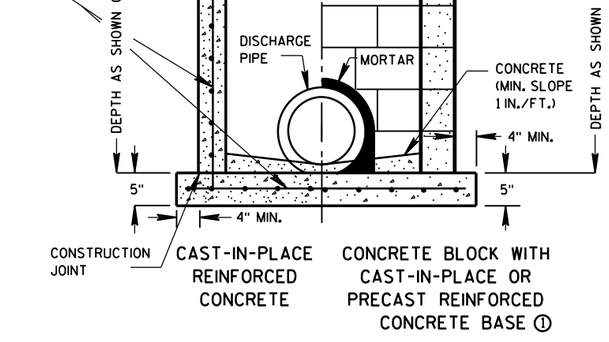
PLAN VIEW



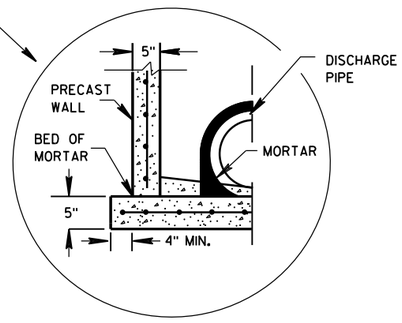
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

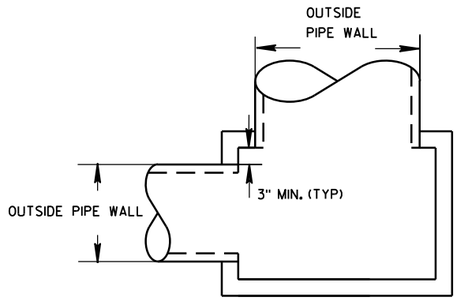
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (W) (FT)	LENGTH (L) (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24



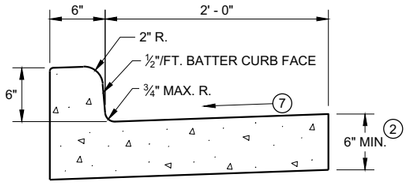
DETAIL "A"

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

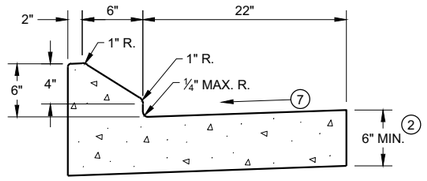
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS D IT UNIT SUPERVIS
FHWA

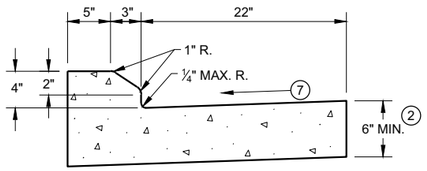
INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT



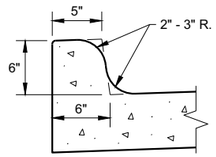
TYPES A (1) & D



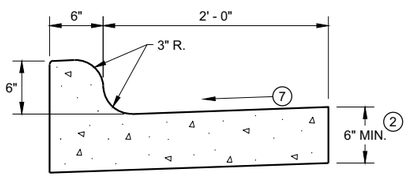
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

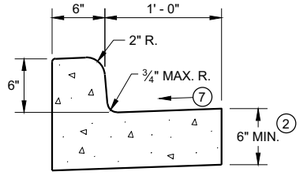


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



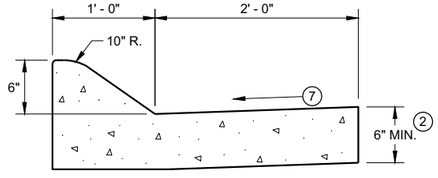
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"



TYPES A (1) & D

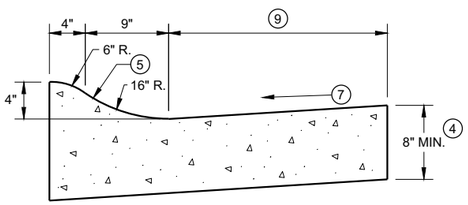
CONCRETE CURB AND GUTTER 18"



6" SLOPED CURB TYPES A (1) & D

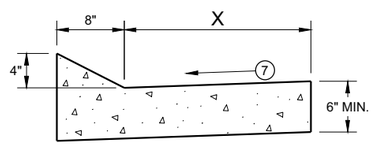
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

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

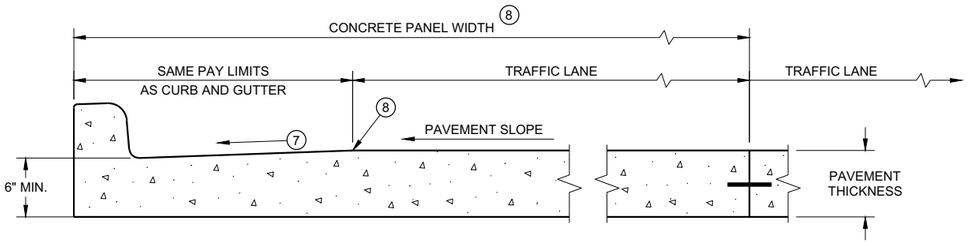


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

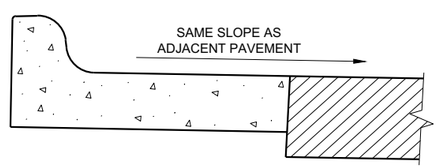
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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.

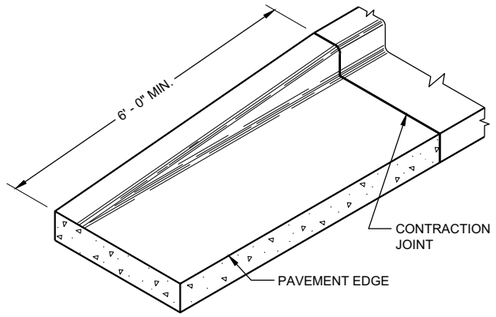
(9) CONCRETE CURB AND GUTTER 4-INCH SLOPED 30-INCH TYPE "R" AND "T" = 17 INCHES
CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE "R" AND "T" = 23 INCHES

CONCRETE CURB AND GUTTER

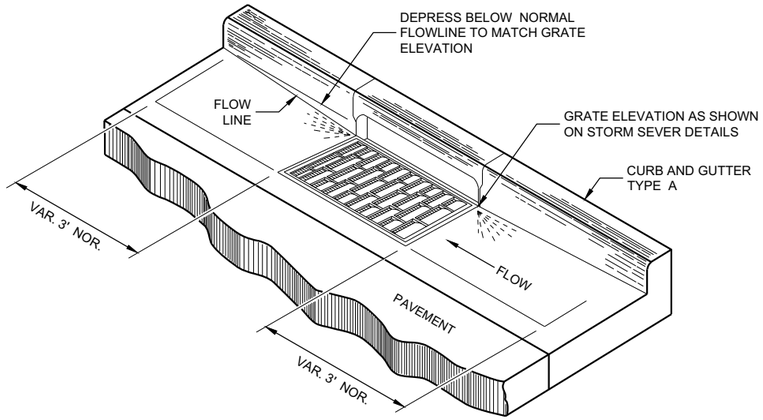
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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END SECTIONCURB AND GUTTER



DETAIL OF CURB AND GUTTER AT INLETS
(TYPICAL H INLET COVER SHOWN)

GENERAL NOTES

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

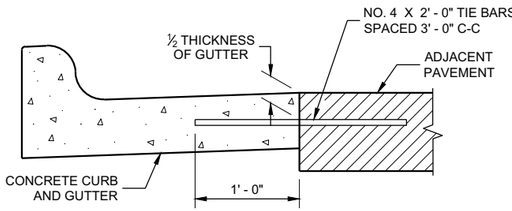
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

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

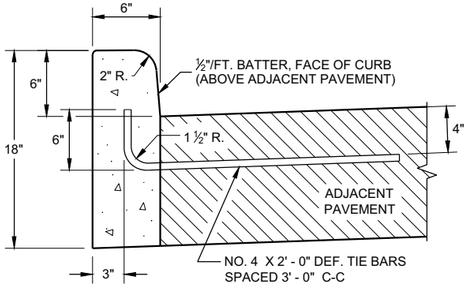
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

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

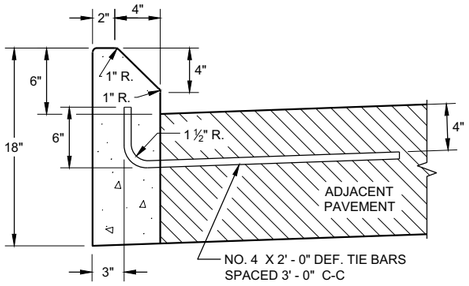
(9) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.



TYPICAL TIE BAR LOCATION (1)

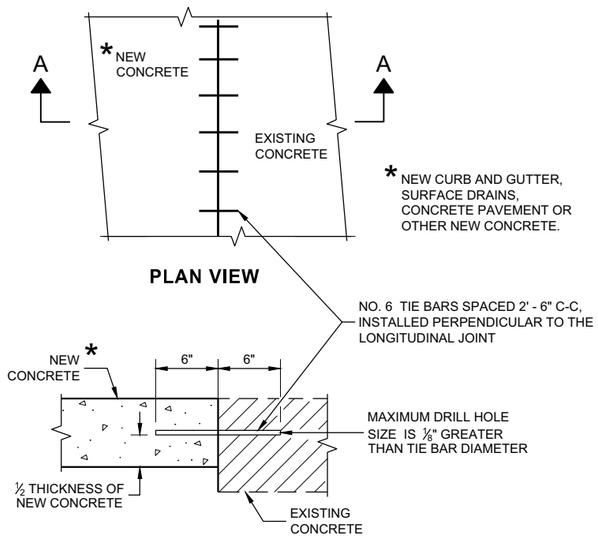


TYPES A (1) & D



TYPES G (1) & J

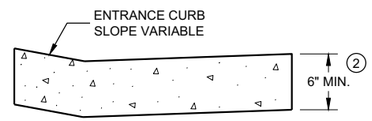
CONCRETE CURB



PLAN VIEW

SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT



DRIVEWAY ENTRANCE CURB (9)
(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

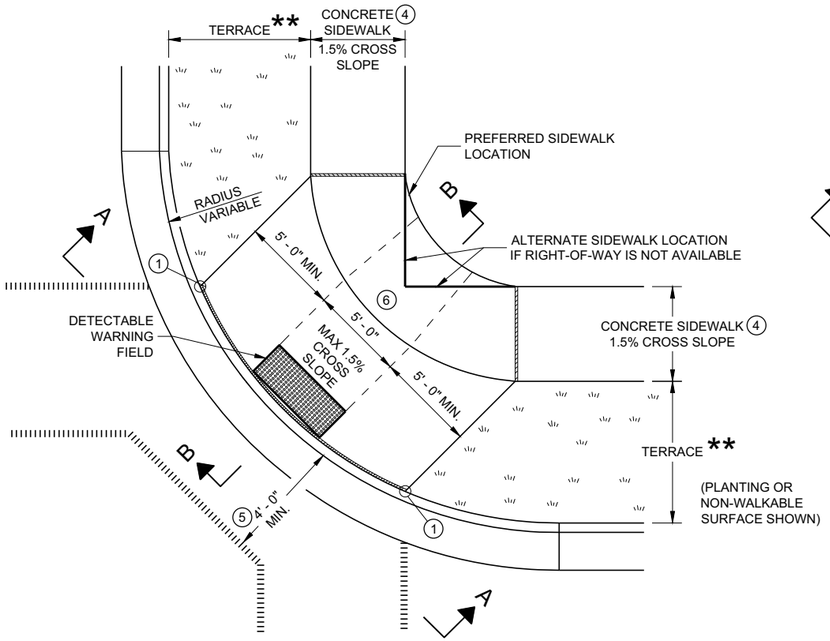
APPROVED
February 2021 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVE ENGINEER

FHWA

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SDD08D01 - 22b

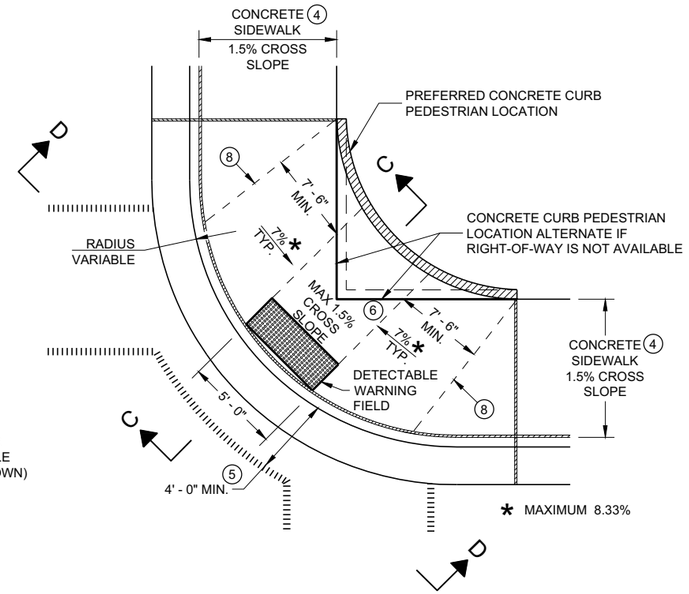
SDD08D01 - 22b



PLAN VIEW

CURB RAMP TYPE 1

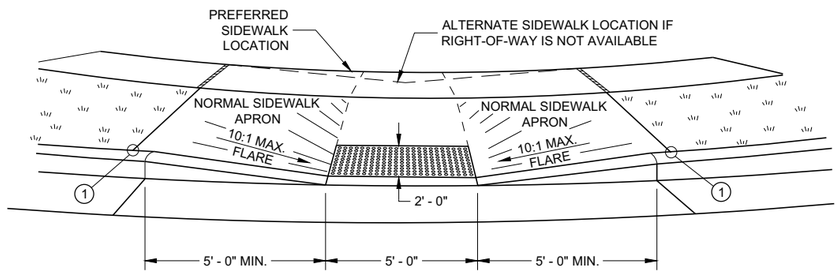
(CENTER OF CORNER RADIUS)



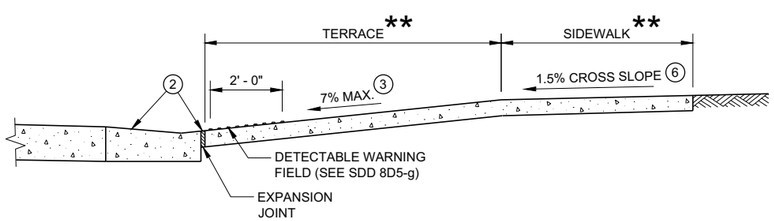
PLAN VIEW

CURB RAMP TYPE 1 - A

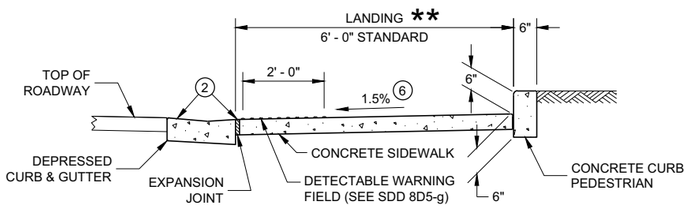
(NO TERRACE)



VIEW A - A FOR TYPE 1

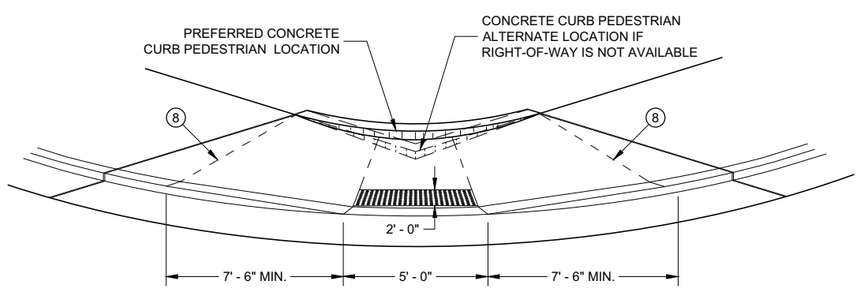


SECTION B - B FOR TYPE 1



SECTION C - C FOR TYPE 1 - A

** WIDTH SHOWN ELSEWHERE IN THE PLANS



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

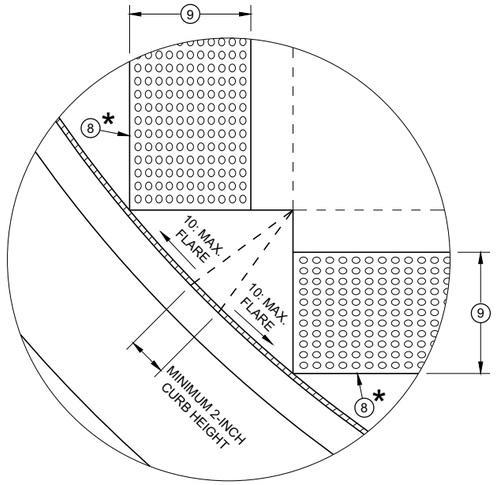
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPE 1 AND 1-A

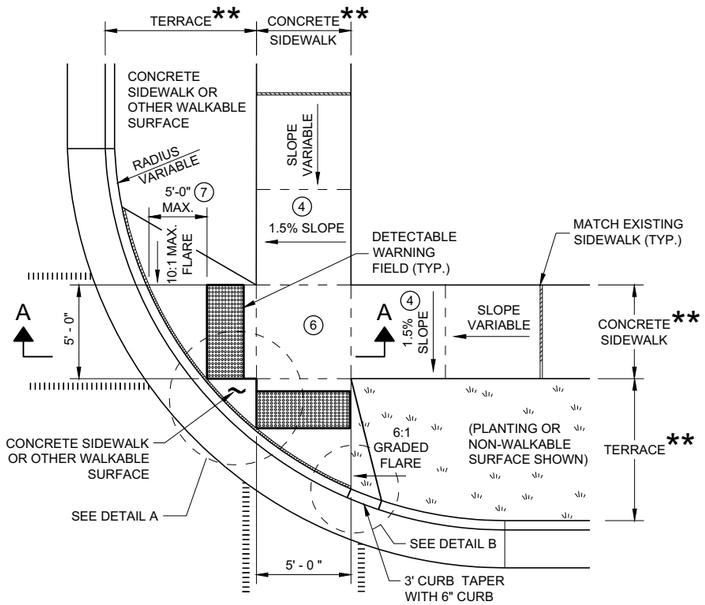
STATE OF WISCONSIN
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DETAIL A



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.

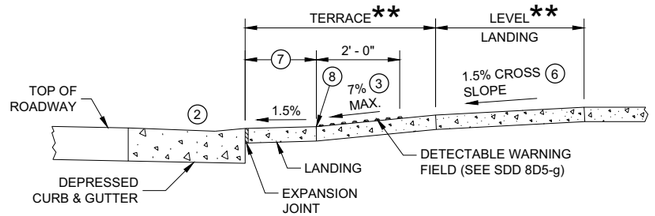
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(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.

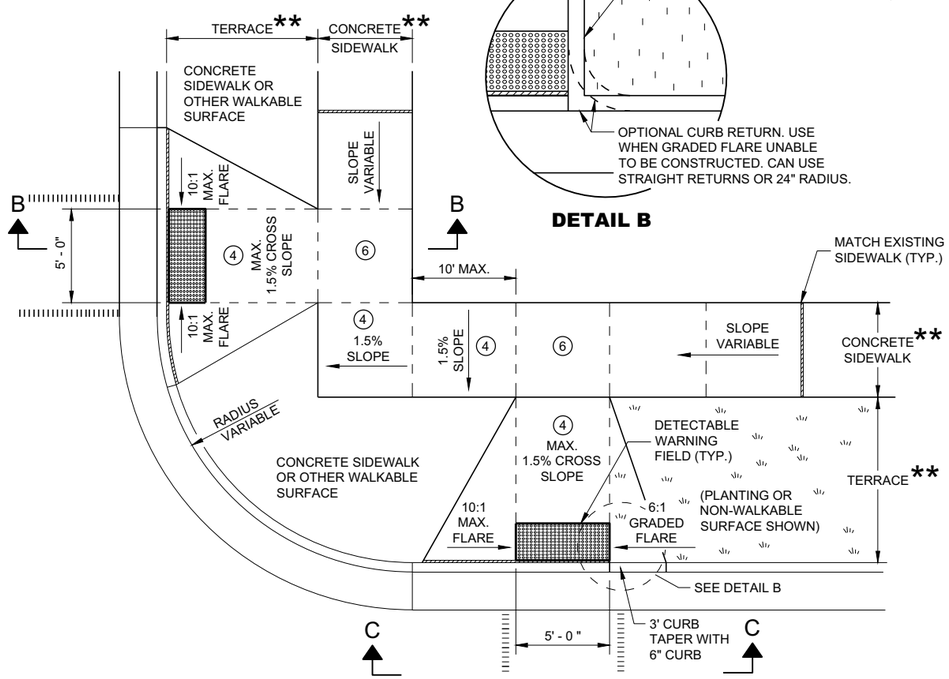
(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.



SECTION A - A FOR TYPE 2

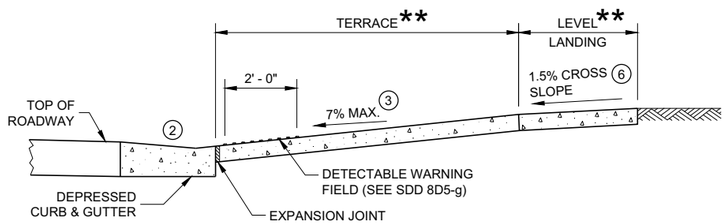
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS



DETAIL B

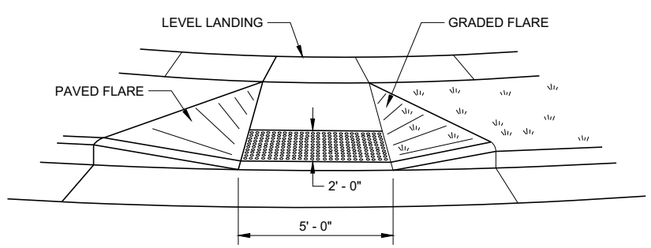
PLAN VIEW
CURB RAMP TYPE 3
(OUTSIDE OF CROSSWALK AREA)



SECTION B - B FOR TYPE 3

LEGEND

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



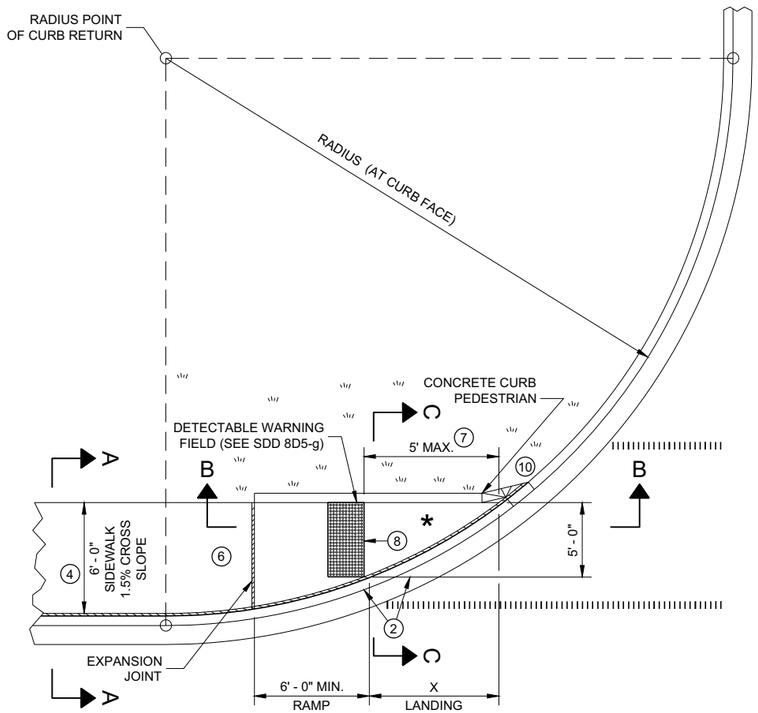
VIEW C - C FOR TYPE 3

CURB RAMPS TYPE 2 AND 3

STATE OF WISCONSIN
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6

SDD 08D05 - 20b

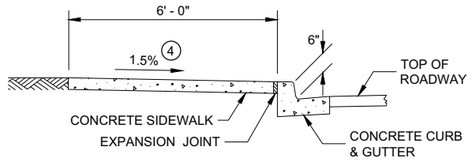


PLAN VIEW

CURB RAMP TYPE 4A

RADIUS (AT CURB FACE)	X
10 FEET	4' - 7"
15 FEET	6' - 5½"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A - A FOR TYPE 4A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

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

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

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

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

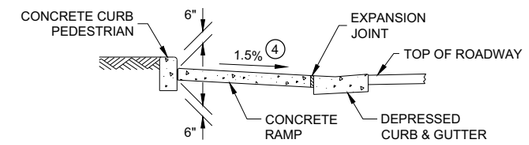
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

LEGEND

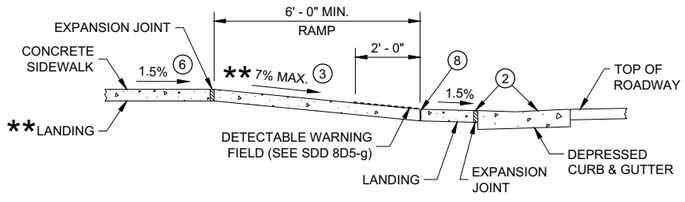
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)



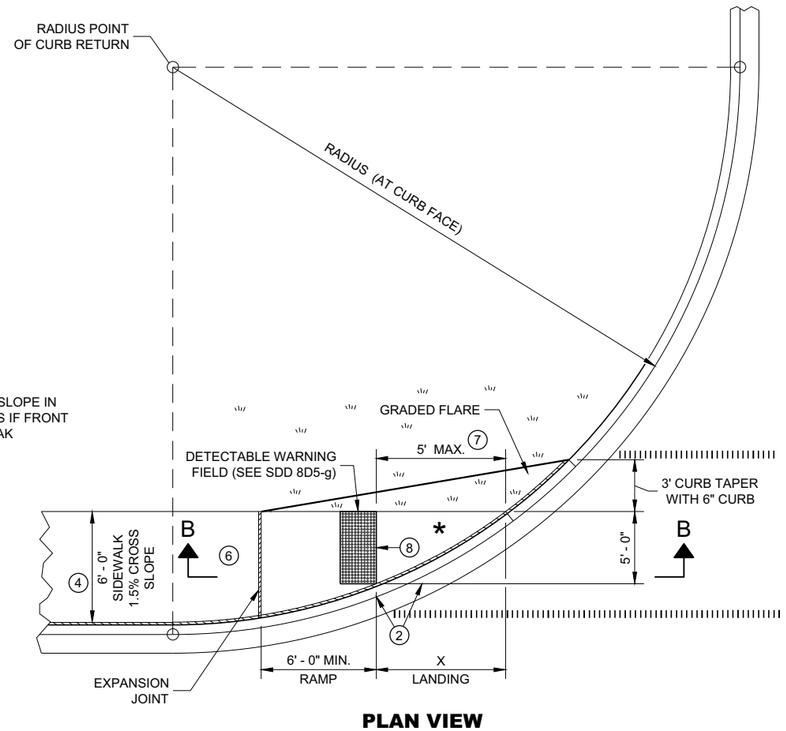
SECTION C - C FOR TYPE 4A



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

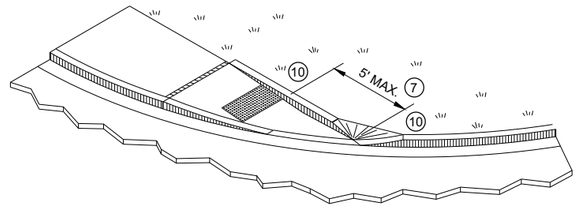
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

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

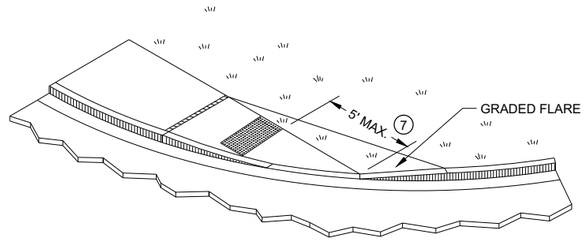


PLAN VIEW

CURB RAMP TYPE 4A1



ISOMETRIC VIEW FOR TYPE 4A



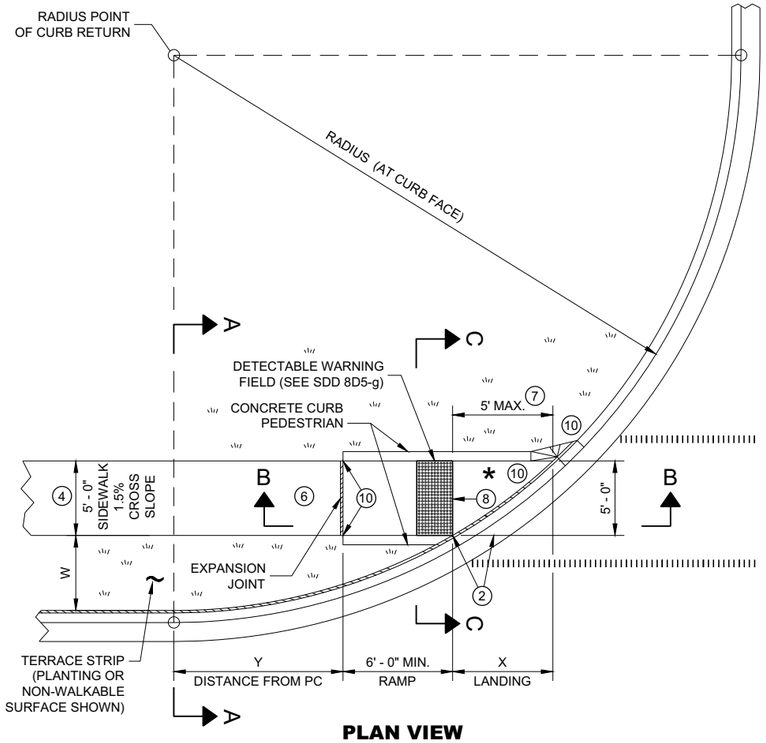
ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20c

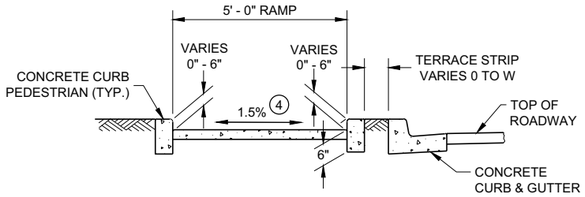


PLAN VIEW

CURB RAMP TYPE 4B

RADIUS (AT CURB FACE)	W = 3' - 0"		W = 4' - 0"		W = 5' - 0"		W = 6' - 0"		W = 7' - 0"		W = 8' - 0"		W = 9' - 0"		W = 10' - 0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2' - 10 ¼"	0' - 5"	2' - 1"	1' - 4 ½"	1' - 5"	2' - 1"	0' - 10"	2' - 7 ½"	0' - 3 ¼"	3' - 0 ¼"						
15 FEET	4' - 6 ¾"	2' - 1 ¾"	3' - 9"	3' - 5 ¾"	3' - 1 ¼"	4' - 6"	2' - 6 ¾"	5' - 4 ½"	2' - 1"	6' - 1"	1' - 8"	6' - 8 ½"	1' - 3 ¼"	7' - 2 ½"	0' - 10 ¾"	7' - 7 ¼"
20 FEET	5' - 9 ¾"	3' - 6 ½"	4' - 11 ½"	5' - 1 ¾"	4' - 3 ¼"	6' - 5 ½"	3' - 8 ¾"	7' - 7"	3' - 3"	8' - 6 ½"	2' - 10"	9' - 4 ½"	2' - 5 ½"	10' - 1 ¼"	2' - 1 ¼"	10' - 9"
30 FEET			6' - 9 ¼"	7' - 11 ¼"	6' - 0 ¼"	9' - 8"	5' - 5"	11' - 1 ¾"	4' - 10 ¾"	12' - 5 ¾"	4' - 5 ½"	13' - 7 ¾"	4' - 0 ¾"	14' - 8 ½"	3' - 8 ½"	15' - 8 ¼"
40 FEET									6' - 1 ¾"	15' - 8 ½"	5' - 8"	17' - 2"	5' - 3"	18' - 5 ¾"	4' - 10 ¾"	19' - 8 ¼"
50 FEET															5' - 10 ¼"	23' - 2"

INTERMEDIATE RADII CAN BE INTERPOLATED
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH



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.

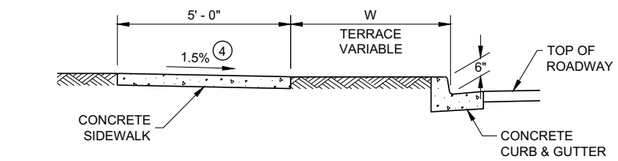
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

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

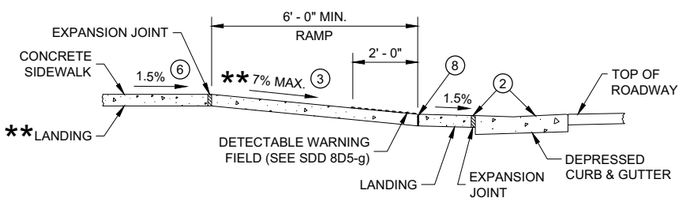
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

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

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

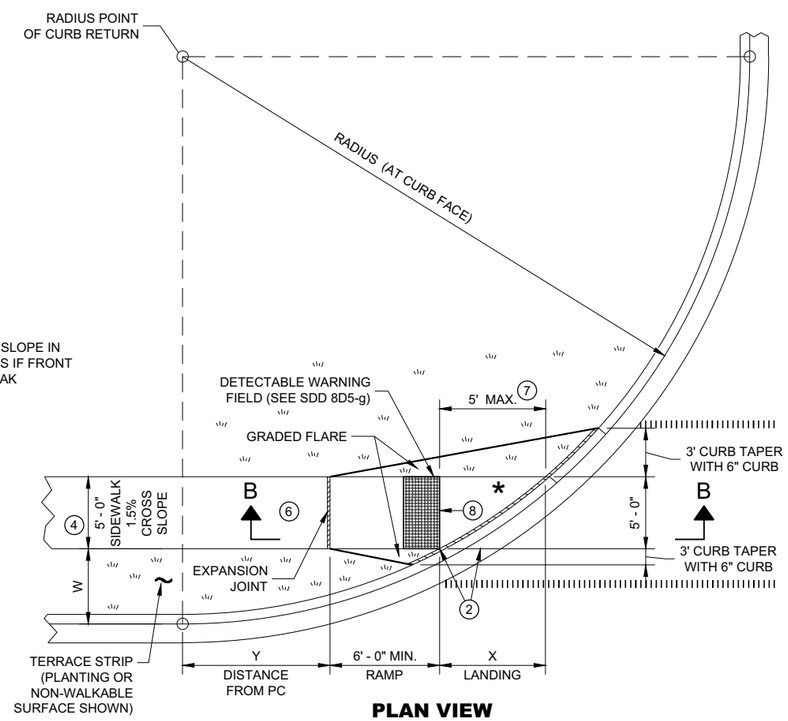


SECTION A - A FOR TYPE 4B



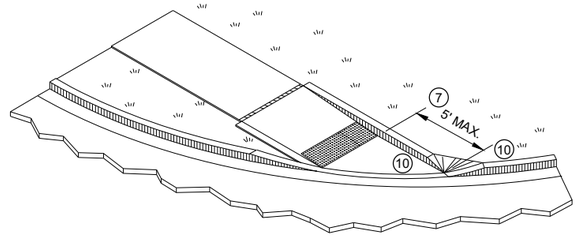
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

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

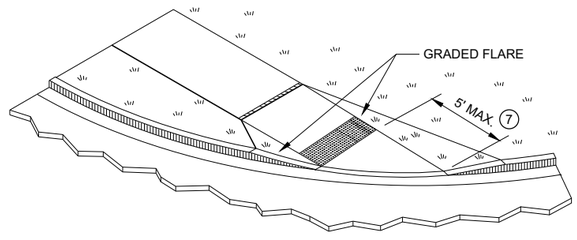


PLAN VIEW

CURB RAMP TYPE 4B1



ISOMETRIC VIEW FOR TYPE 4B



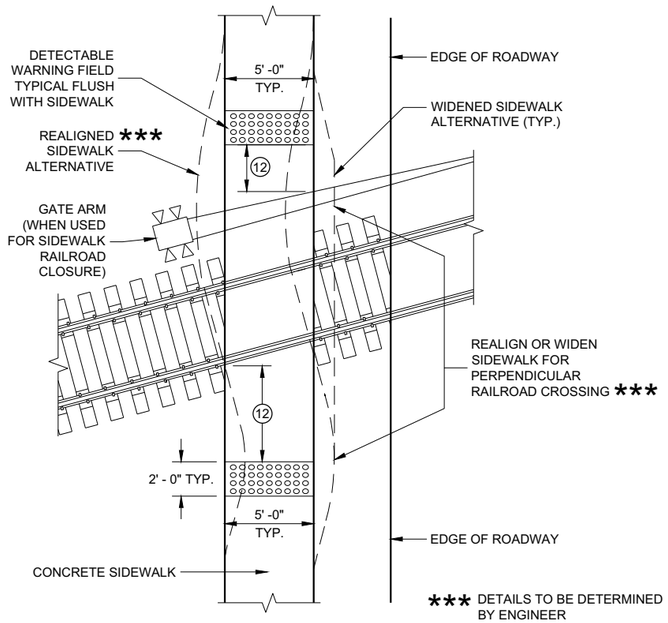
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

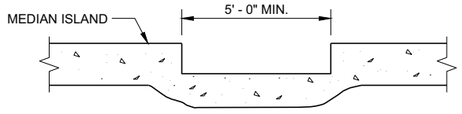
6

SDD 08D05 - 20d

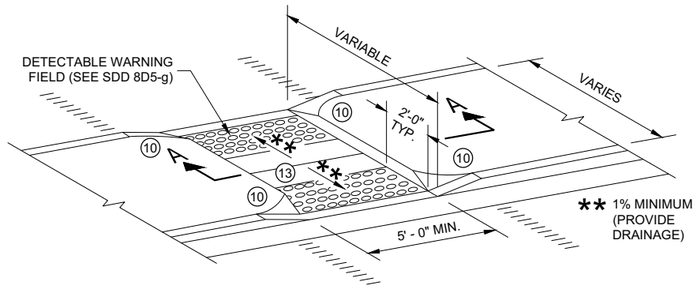


CURB RAMP TYPE 8

DETECTABLE WARNINGS AT RAILROAD CROSSING



SECTION A - A FOR TYPE 5



CURB RAMP TYPE 5

MEDIAN ISLAND NON-ELEVATED PEDESTRIAN CROSSING

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 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.

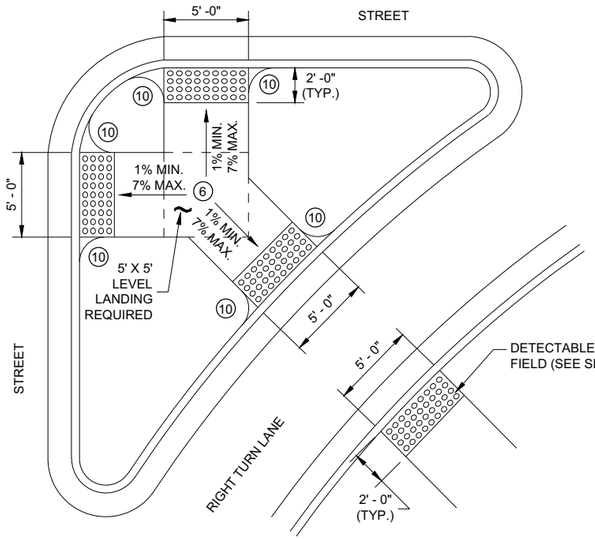
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(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

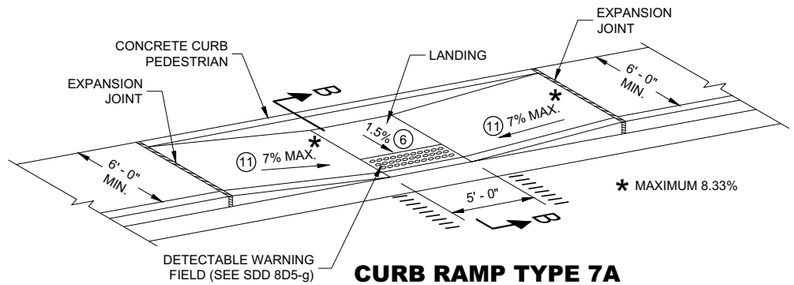
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



CURB RAMP TYPE 6

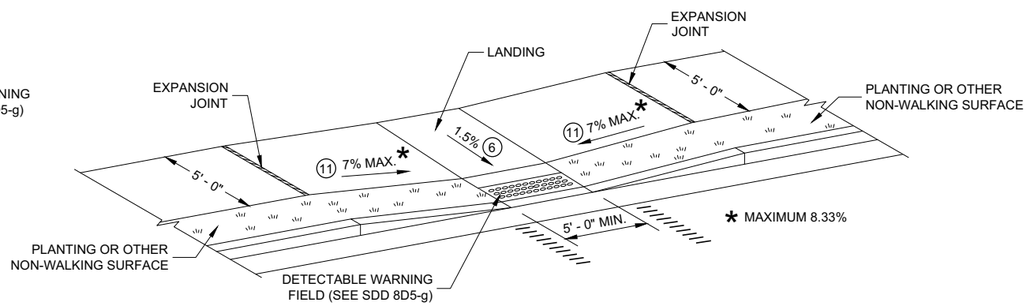
DETECTABLE WARNING AT ISLANDS

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



CURB RAMP TYPE 7A

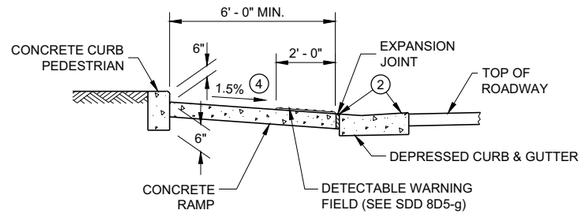
MID BLOCK CROSSING



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

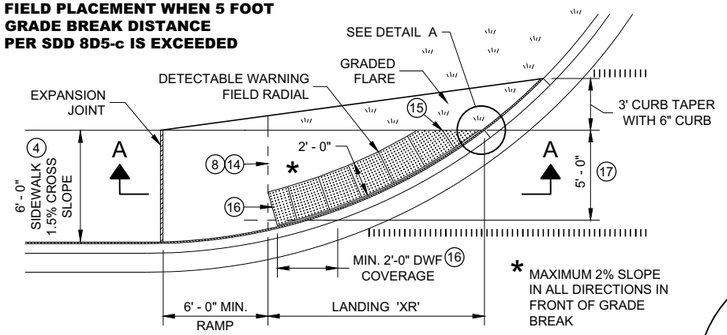
CURB RAMPS TYPE 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 08D05 - 20e

SDD 08D05 - 20e

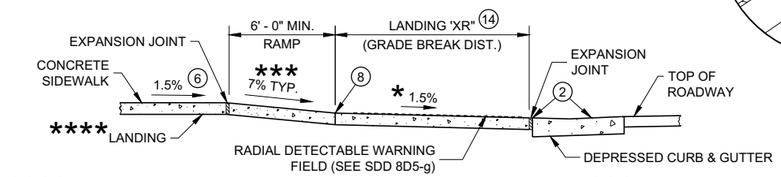
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



PLAN VIEW

CURB RAMP TYPE 4A1

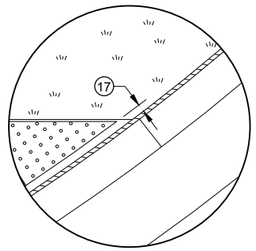
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



**** 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.

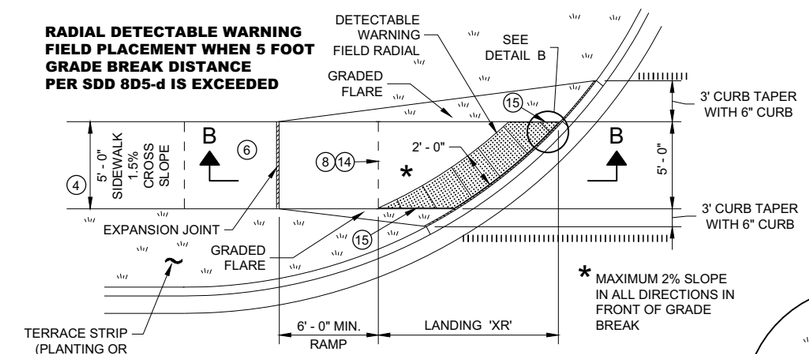
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(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.

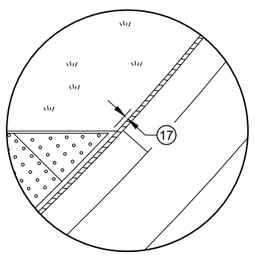
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED



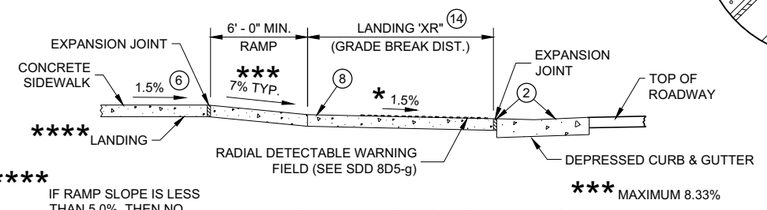
PLAN VIEW

CURB RAMP TYPE 4B1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL B

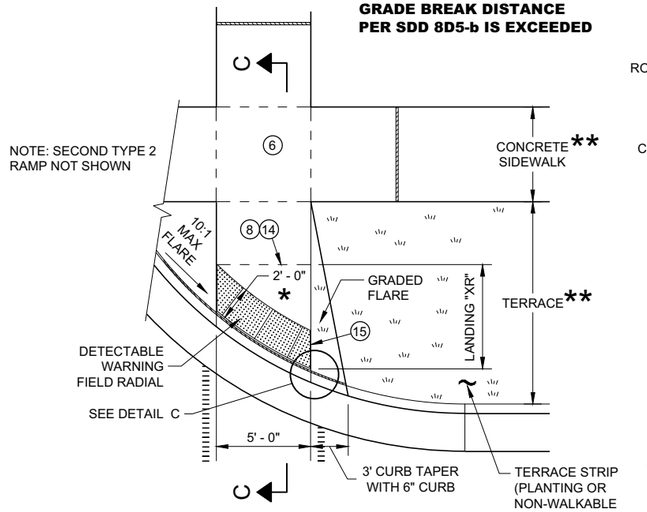


**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** 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

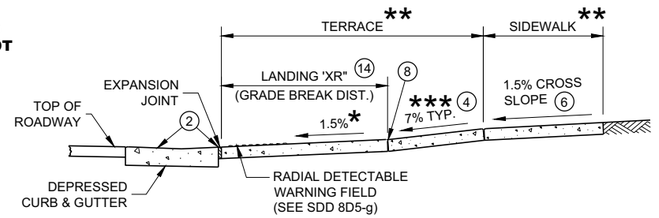


PLAN VIEW

CURB RAMP TYPE 2

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

(ON LINE WITH SIDEWALK)

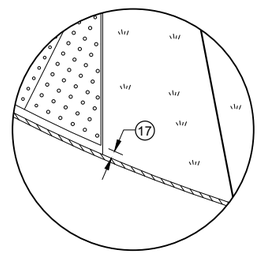


SECTION C - C FOR TYPE 2

* 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

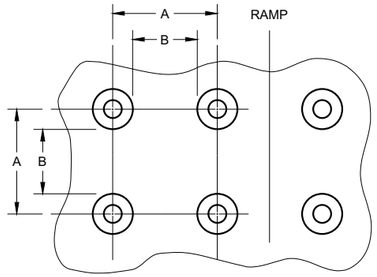
STATE OF WISCONSIN
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SDD 08D05 - 20f

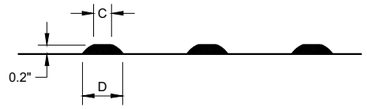
SDD 08D05 - 20f

	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.

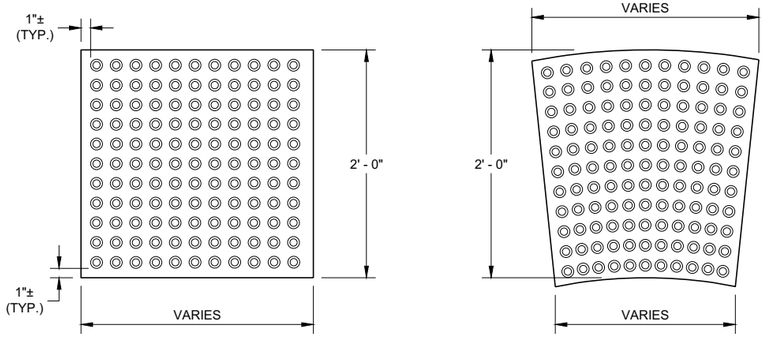


PLAN VIEW



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.

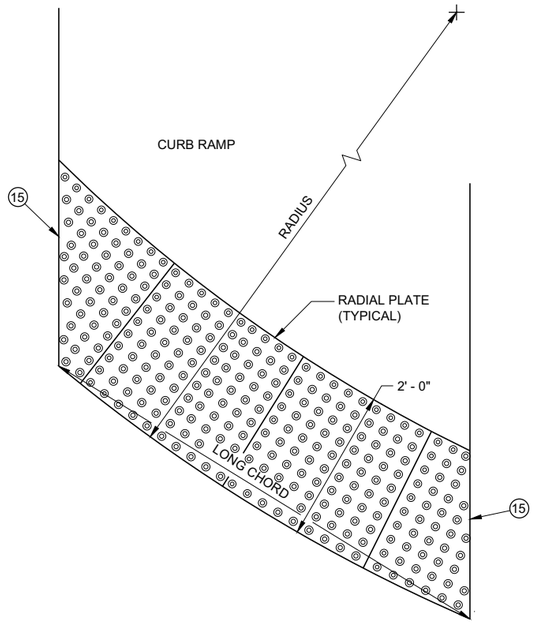
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

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.

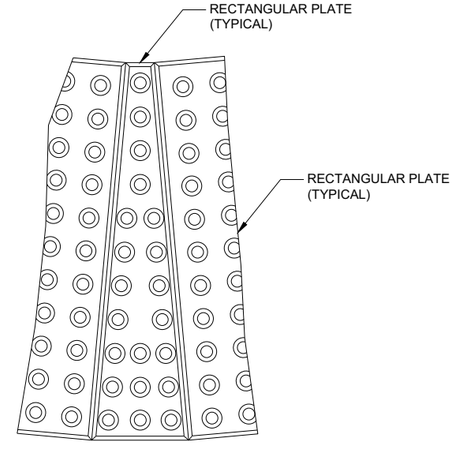
REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

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

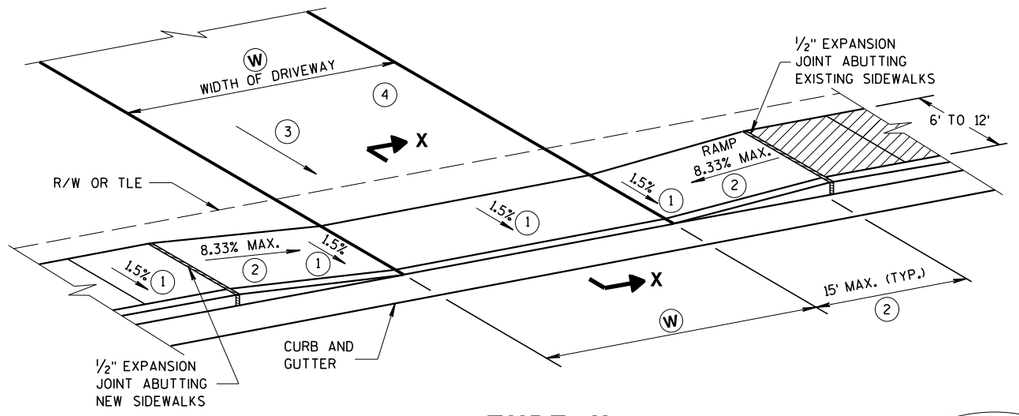
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DEPARTMENT OF TRANSPORTATION

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

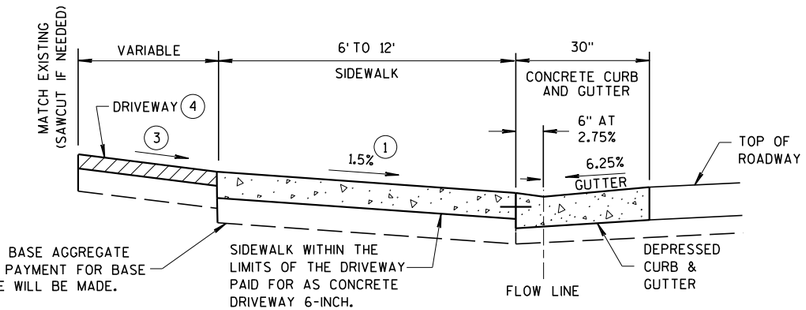
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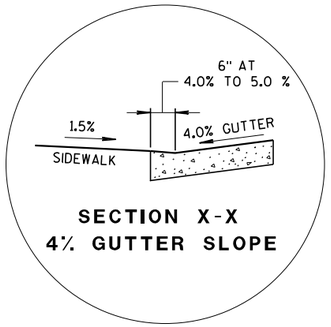
SDD 08D05 - 20g



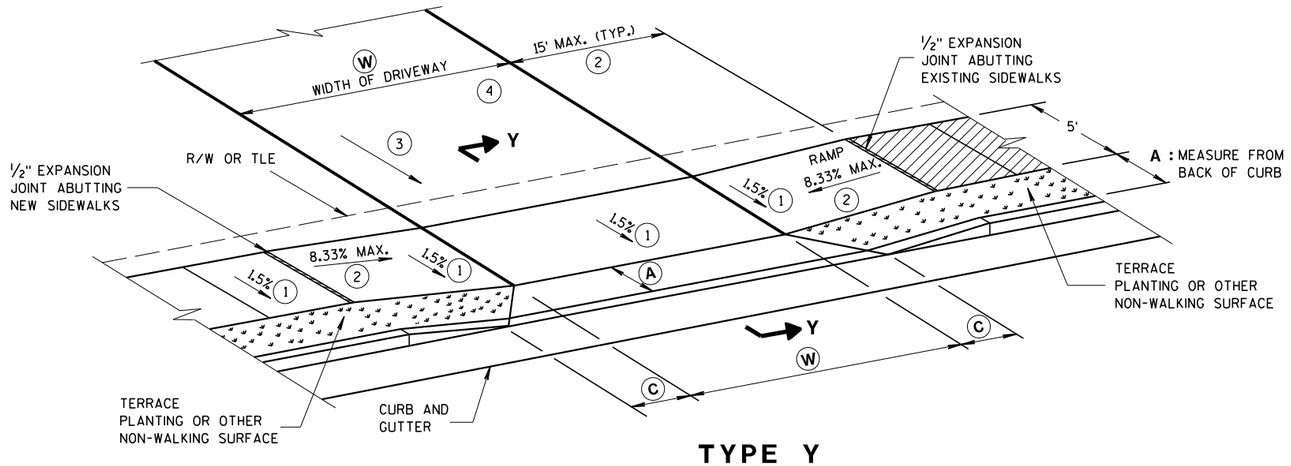
TYPE X
SIDEWALK ABUTS CURB & GUTTER
TERRACE VARIES 0 TO 3 FEET



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.

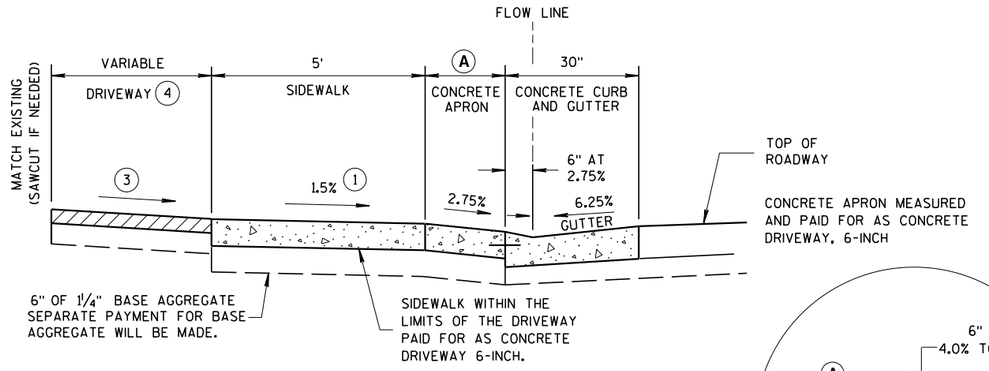
OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

(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.

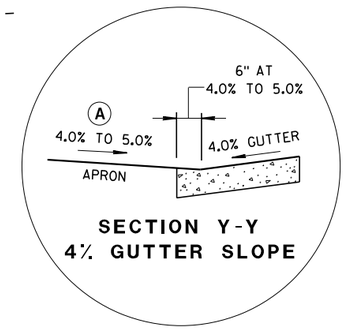
(3) DRIVEWAY SLOPES: DESIRABLE MAXIMUM
- 10.5% UP AWAY FROM SIDEWALK (SAG)
- 8.5% DOWN AWAY FROM SIDEWALK (CREST)
- ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG

(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

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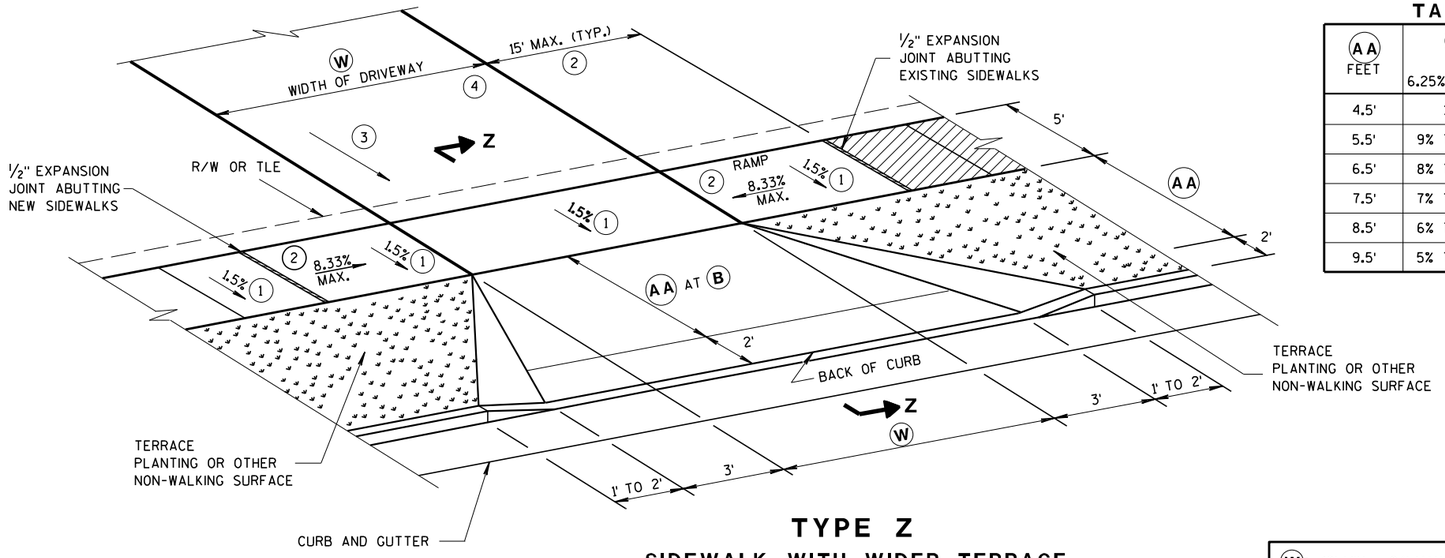
APPROVED
March 2018 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR
FHWA

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6

S.D.D. 8 D 18-2



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.

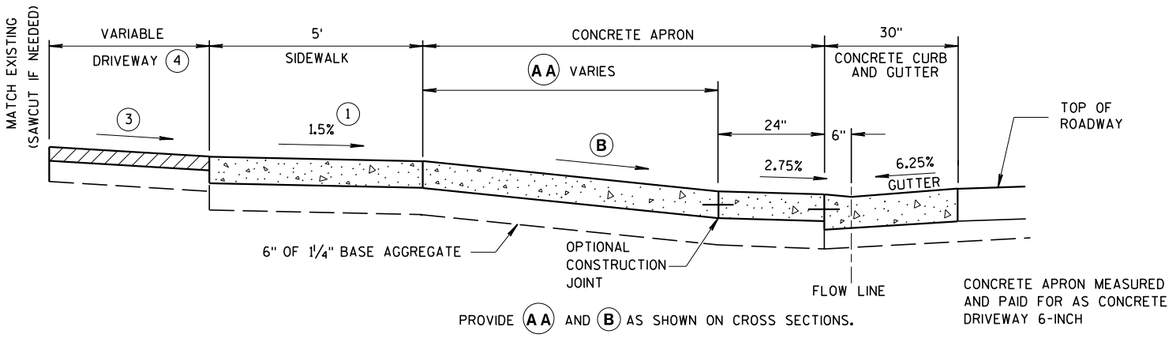
OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

(1) CONSTRUCTION TOLERANCE OF 0.5% ± FOR SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

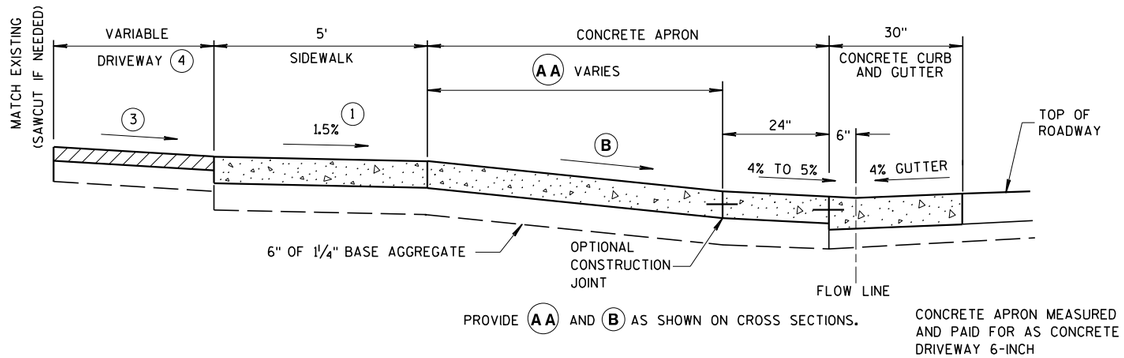
(2) THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL 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

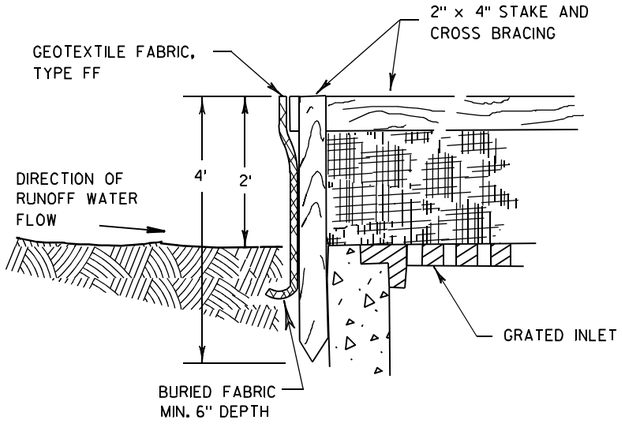
DRIVEWAY AND SIDEWALK RAMPS TYPE Z

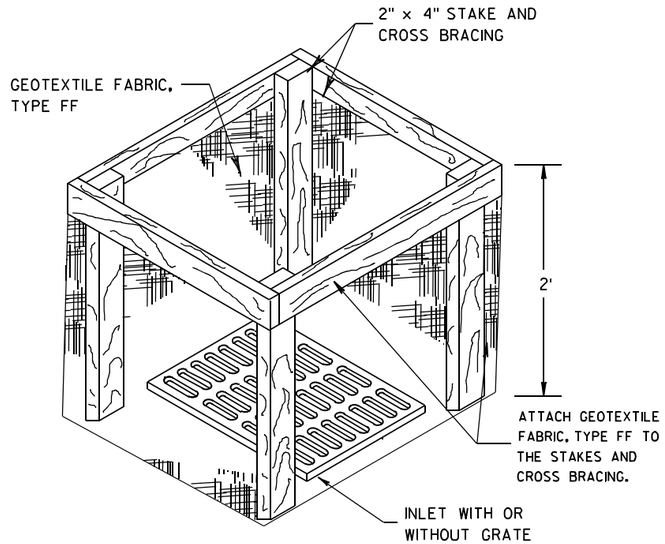
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APPROVED
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/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR
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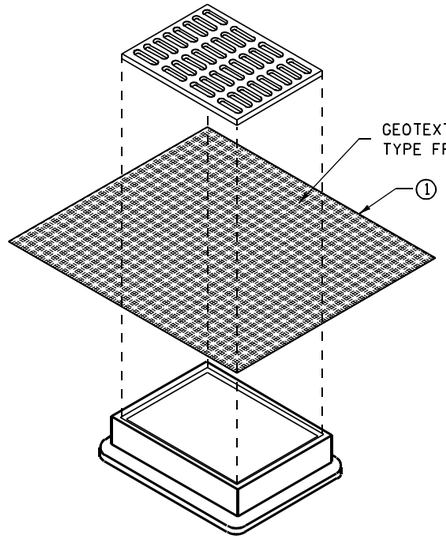
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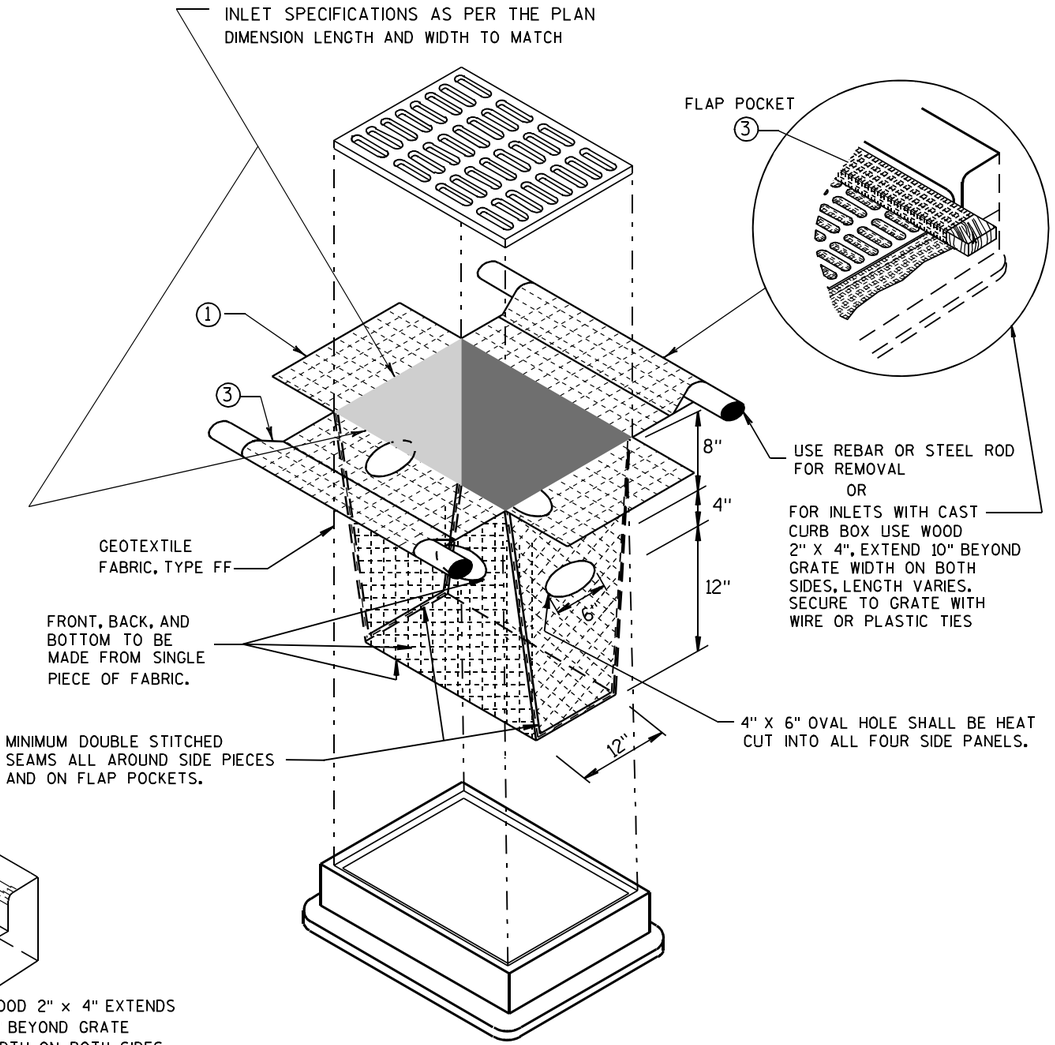


INLET PROTECTION, TYPE A



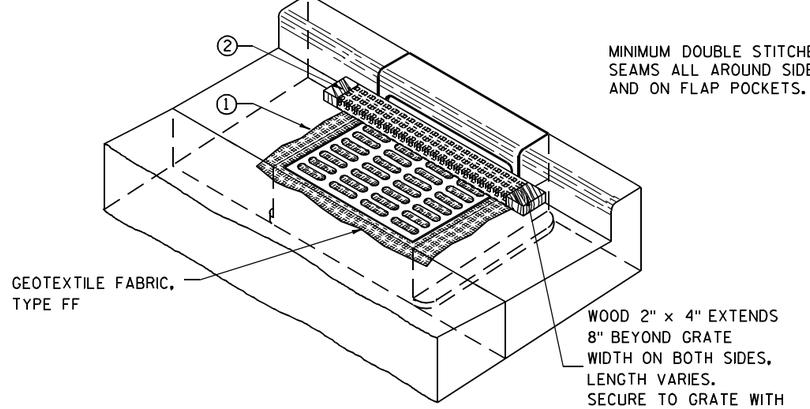
INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

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



INLET PROTECTION, TYPE D

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



INLET PROTECTION, TYPE C (WITH CURB BOX)

GENERAL NOTES

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

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

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

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

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

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

INSTALLATION NOTES

TYPE B & C

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

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

TYPE D

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

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

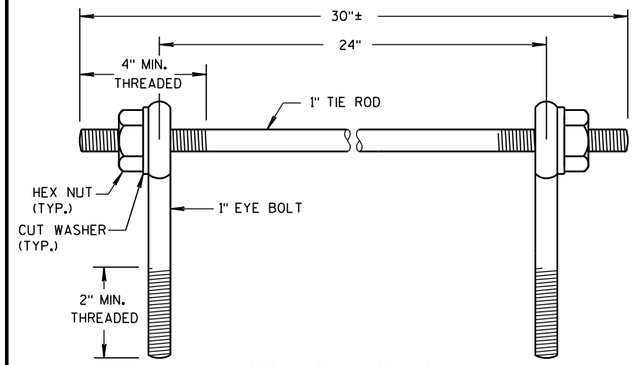
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE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

INLET PROTECTION
TYPE A, B, C, AND D

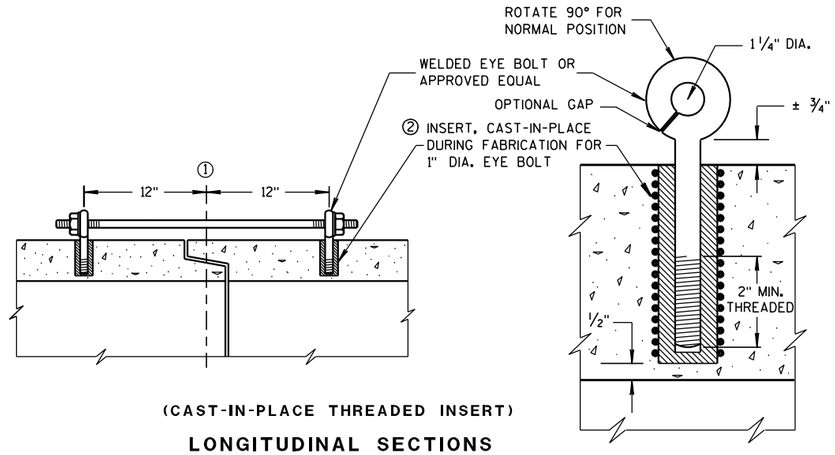
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APPROVED
10/16/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

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.

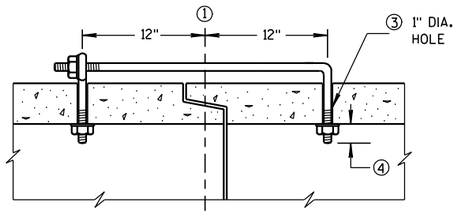
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

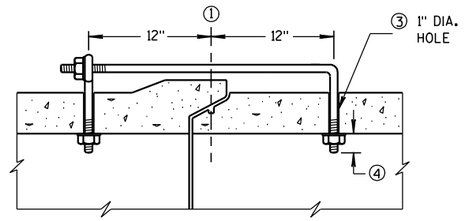
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

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)

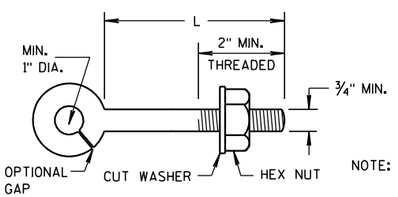


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

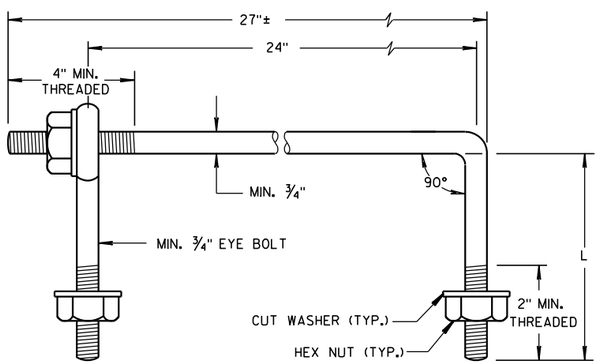
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



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

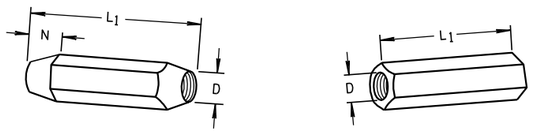
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

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

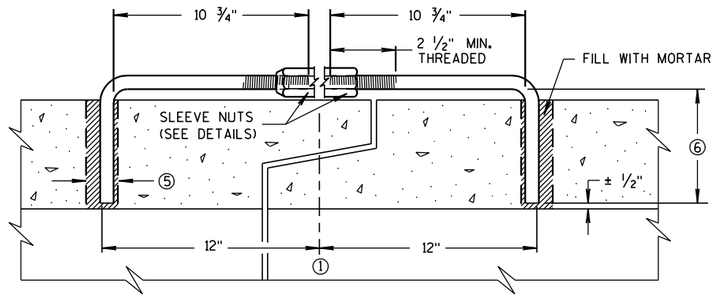
DIMENSIONS SHOWN ARE IN INCHES



TAPERED PLAIN

RIGHT AND LEFT THREADS

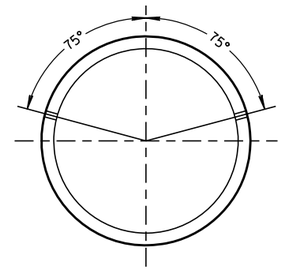
SLEEVE NUTS



LONGITUDINAL SECTION

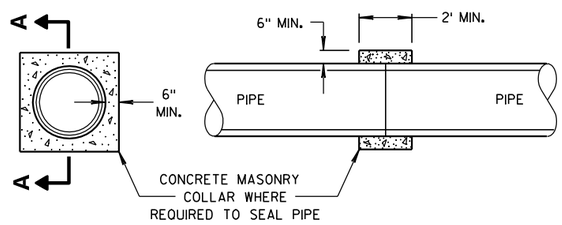
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

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

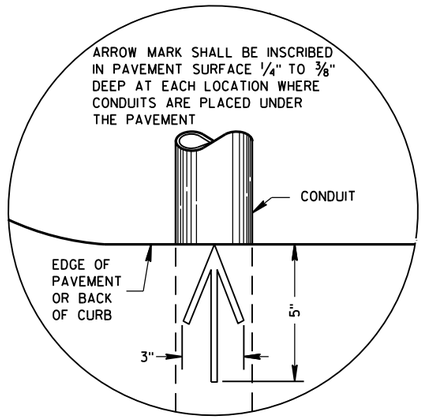
APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
198
FHWA

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S.D.D. 8 F 4-7

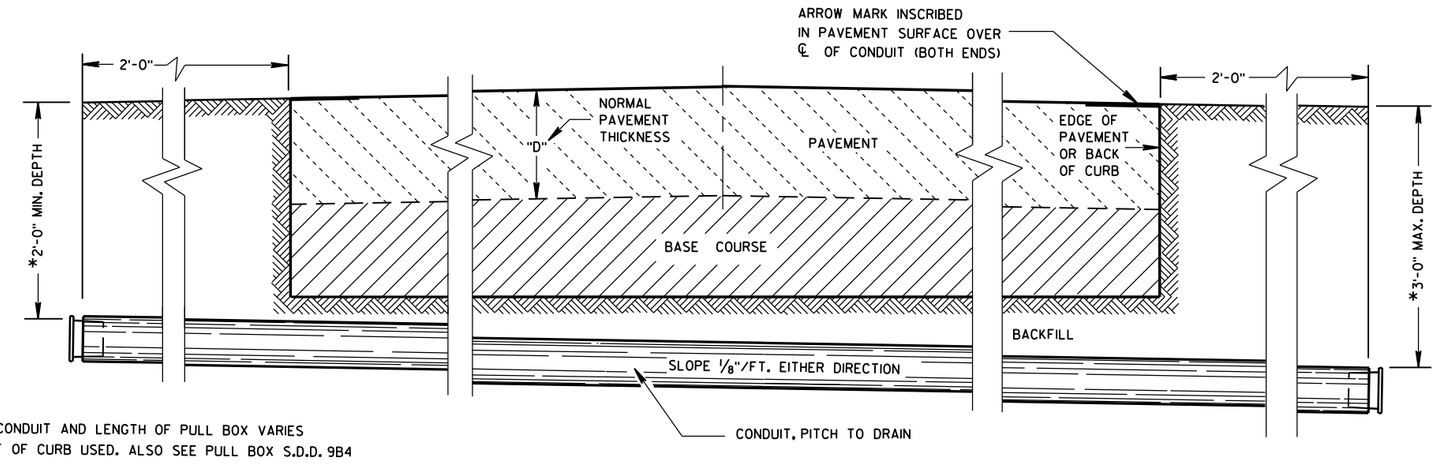
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S.D.D. 8 F 4-7



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

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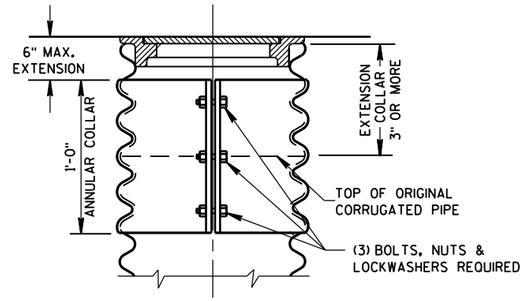
S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

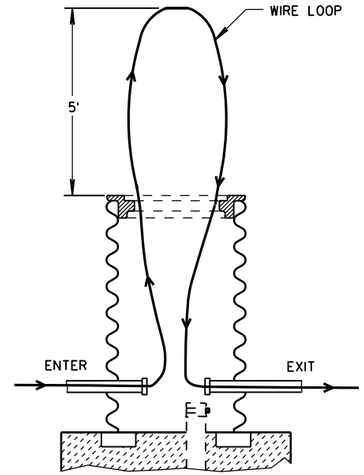
DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4
FRAME	E	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2	26 1/2	26 1/2	26 1/2
FRAME	F	8 1/2	8 1/2	8 1/2	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2
FRAME	G	11 1/2	11 1/2	11 1/2	17 1/2	17 1/2	17 1/2	23 1/2	23 1/2	23 1/2
WEIGHT IN POUNDS *										
FRAME AND COVER		60	60	60	110	110	110	155	155	155

* THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.

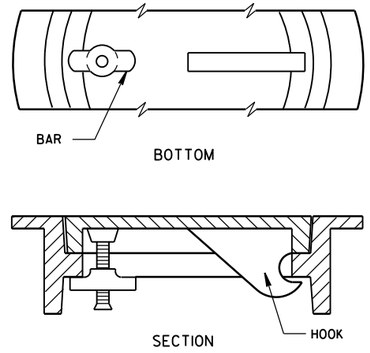
** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.



CORRUGATED PIPE EXTENDER

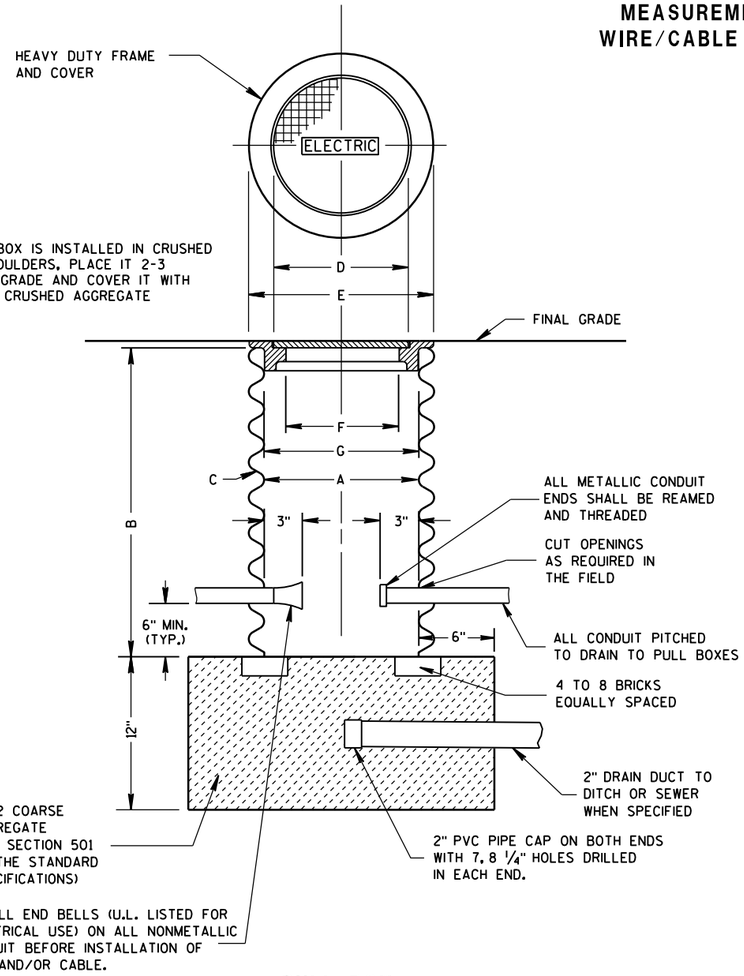


MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX

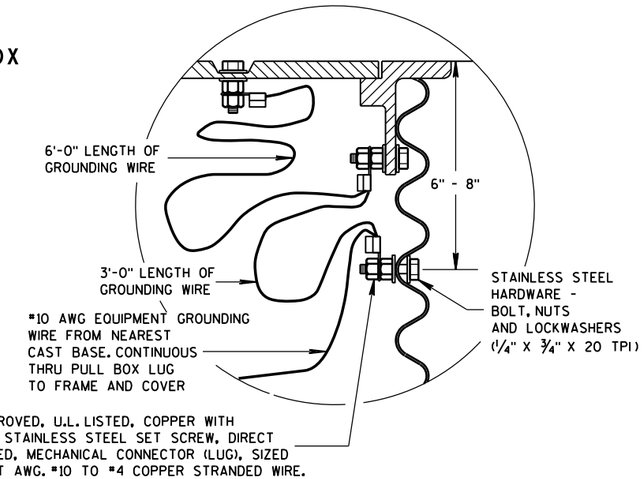


ALTERNATE COVER (LOCKING)

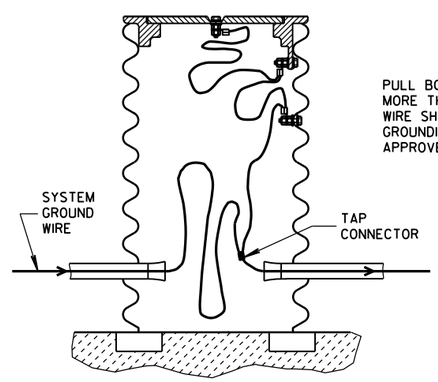
TIGHTENING BAR TYPE



PULL BOX



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

GENERAL NOTES

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

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.

PULL BOX

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 200
FHWA

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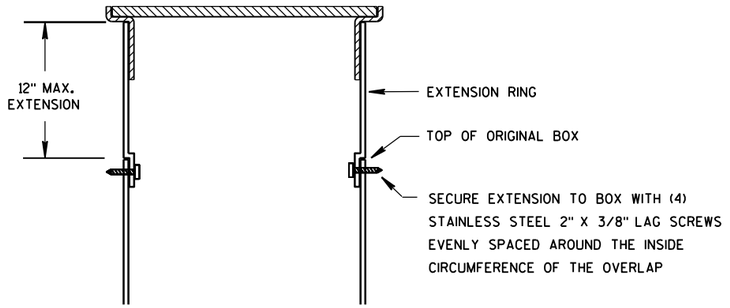
S.D.D. 9 B 4-11

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

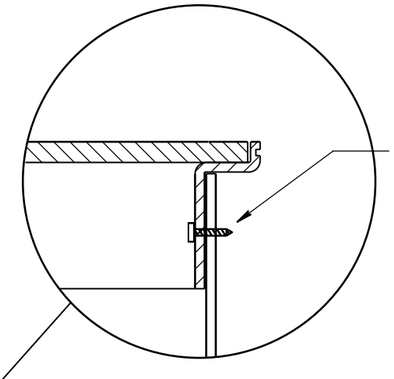
* THE ACTUAL WEIGHT OF THE COVER OR BOX ONLY MAY VARY NOT TO EXCEED 100 LBS INDIVIDUALLY.

** DIAMETER VARIES FROM TOP TO BOTTOM WITH THE DIAMETER LARGER AT THE BOTTOM TO PREVENT FROST HEAVE

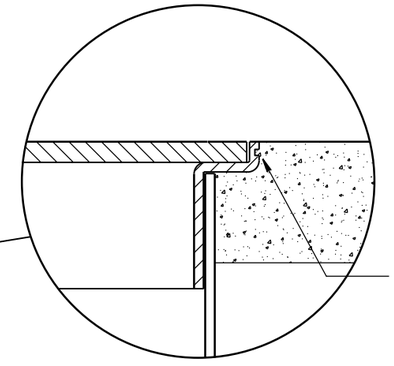


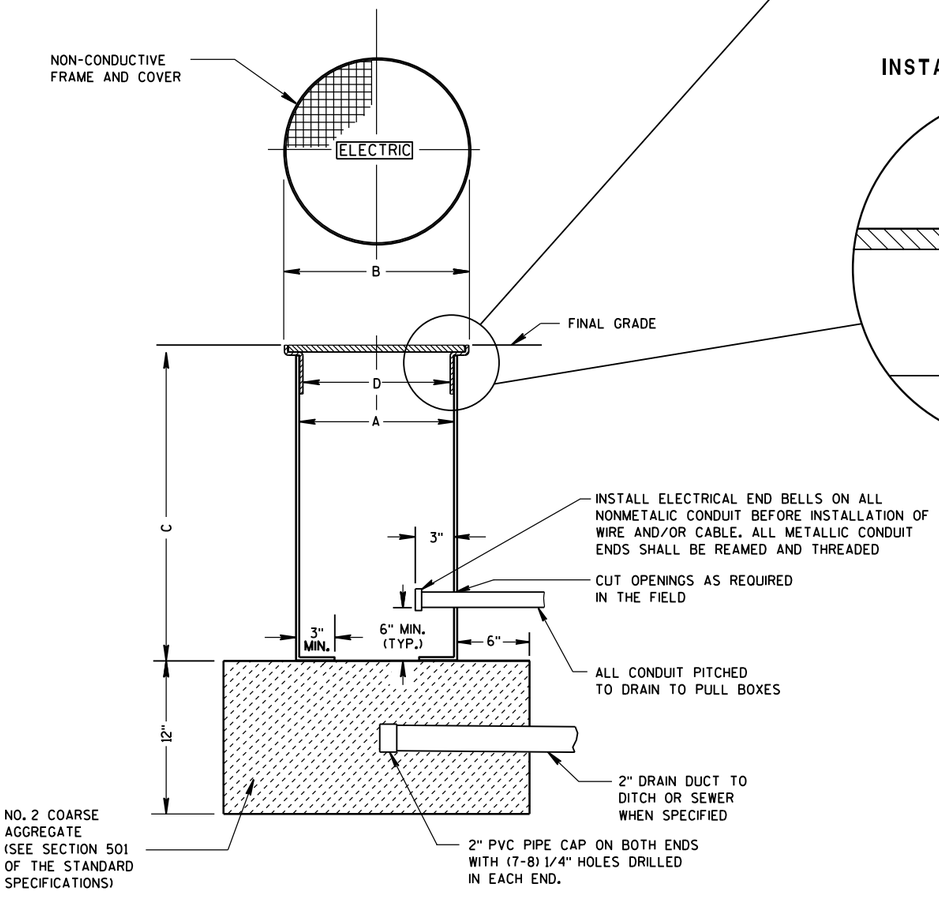
BOX EXTENSION

INSTALLED IN SOD OR CRUSHED AGGREGATE



INSTALLED IN SIDEWALK





NON-CONDUCTIVE PULL BOX

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.

PULL BOX NON-CONDUCTIVE

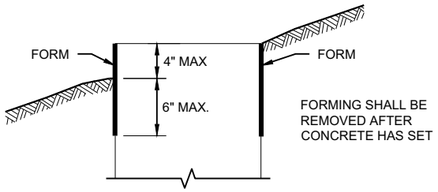
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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.

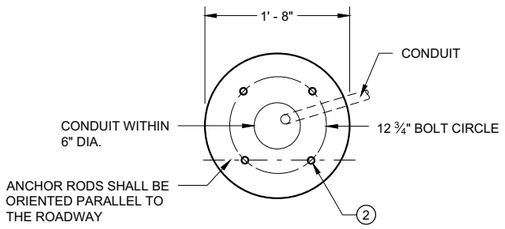
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

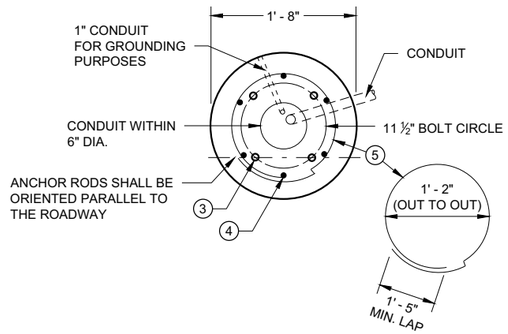
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

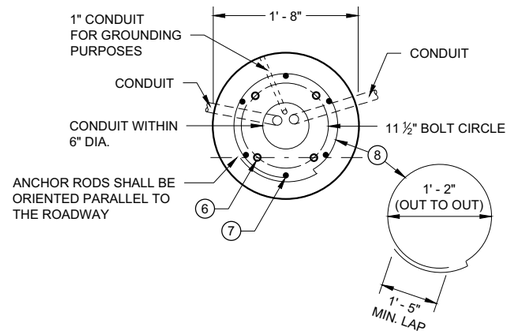
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

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

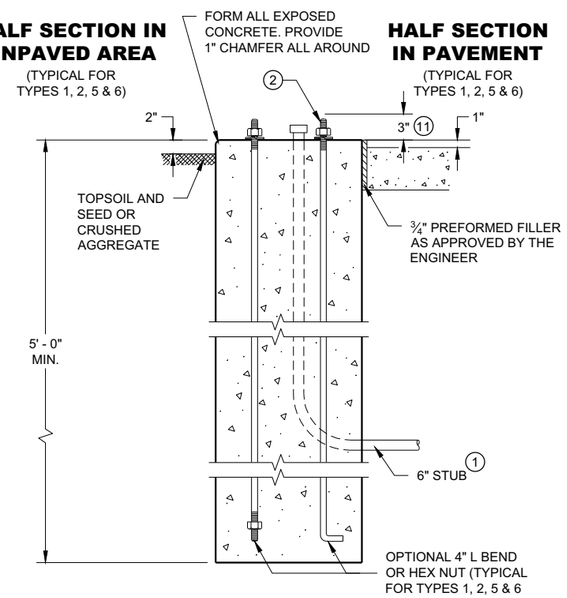
10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

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.

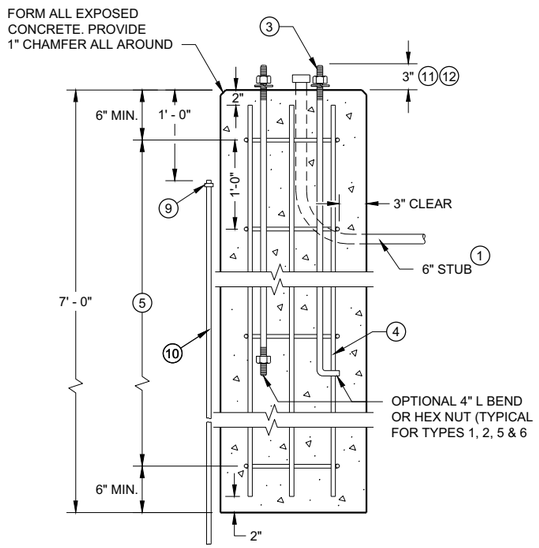
12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

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

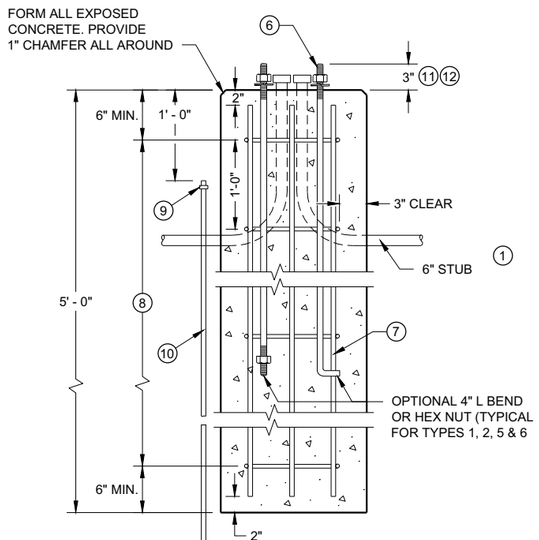
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



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 202

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.

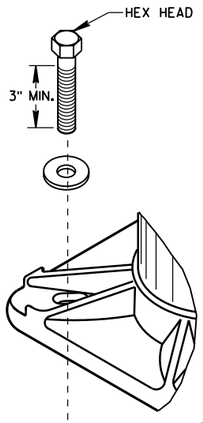
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

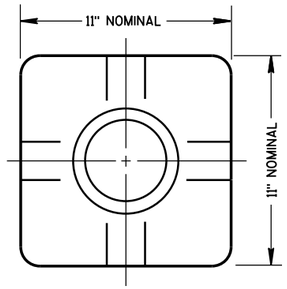
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

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

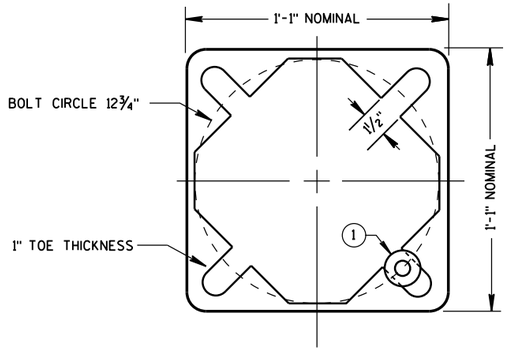
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

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

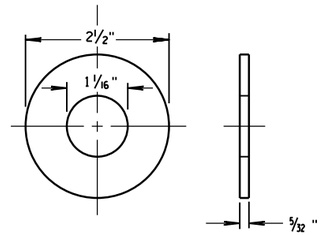




TOP VIEW
(PEDESTAL BASE)

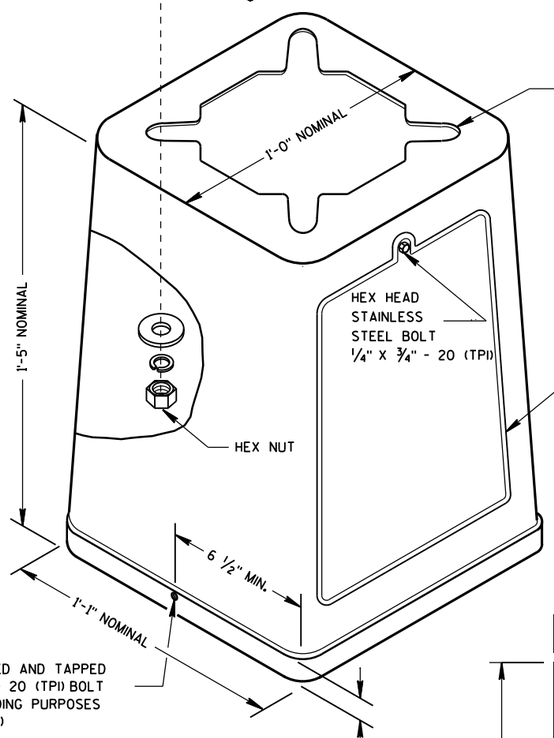


BOTTOM VIEW
(PEDESTAL BASE)

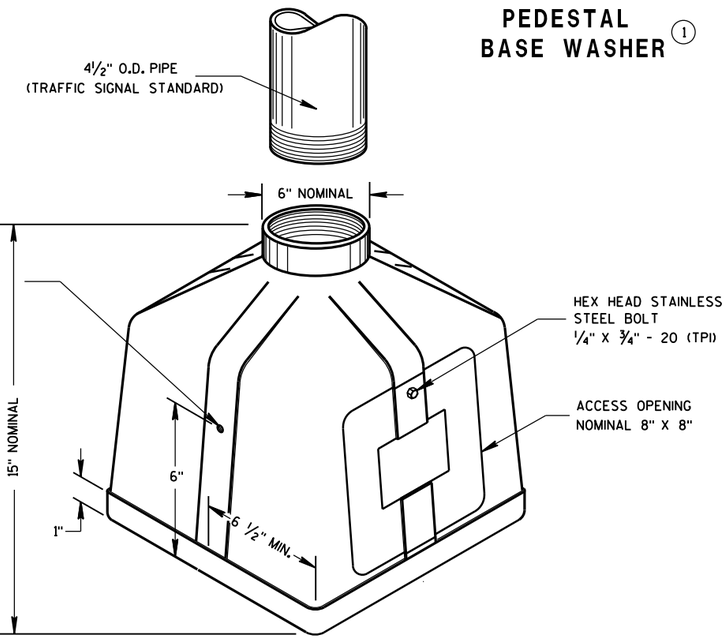


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)

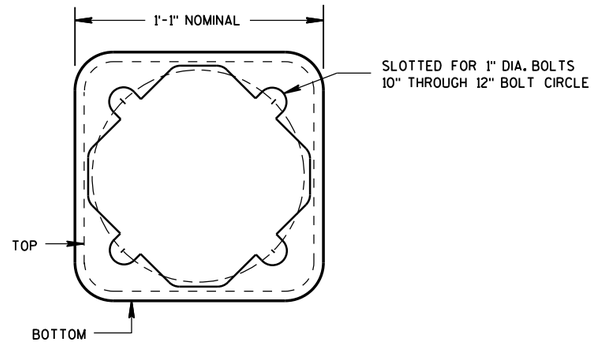


ISOMETRIC VIEW

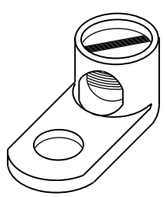


ISOMETRIC VIEW

PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

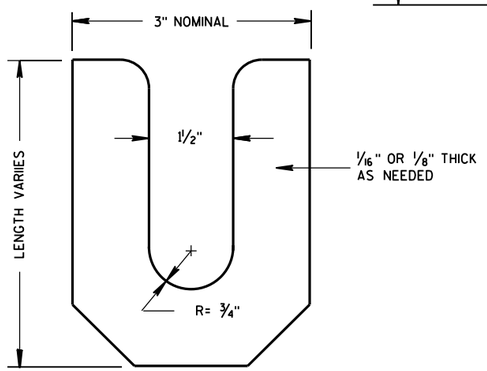


TYPICAL MECHANICAL CONNECTOR LUG

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

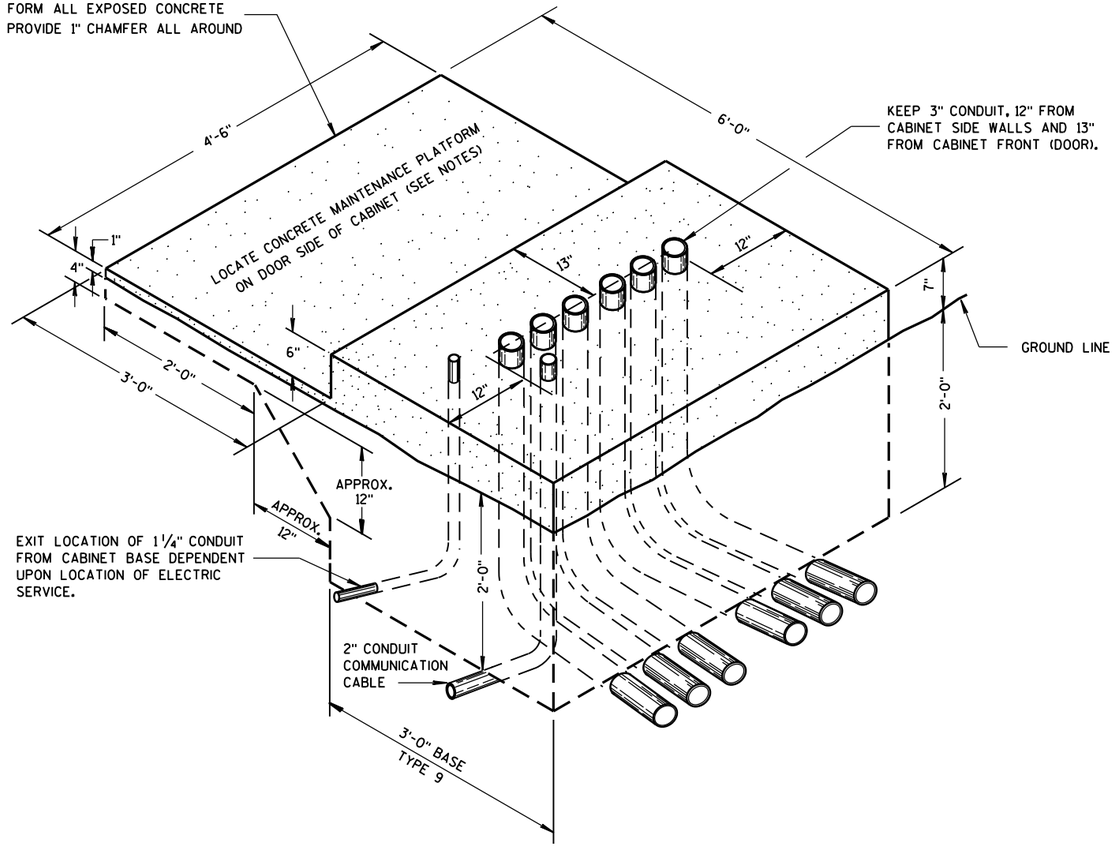
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Sept. 2014 — DATE
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FHWA

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S.D.D. 9 C 3-4

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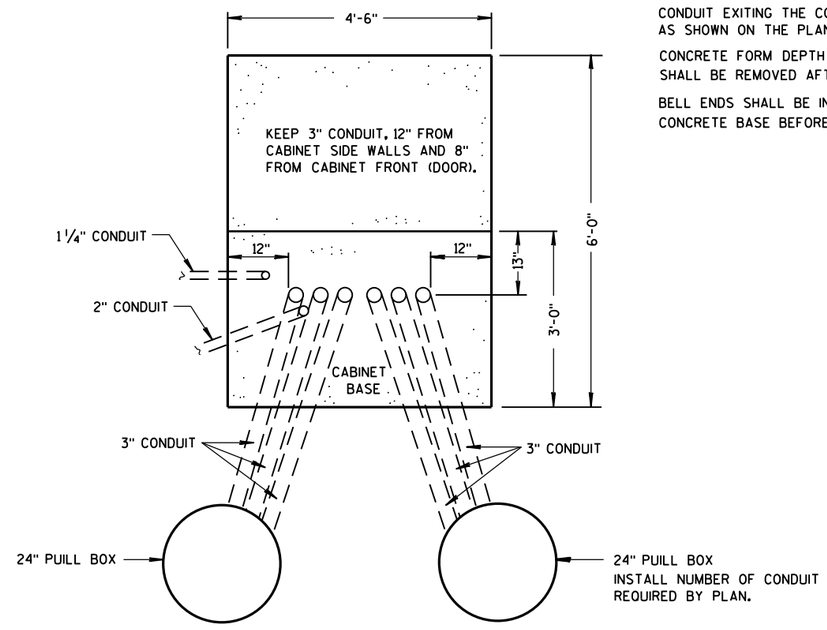
S.D.D. 9 C 3-4



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.

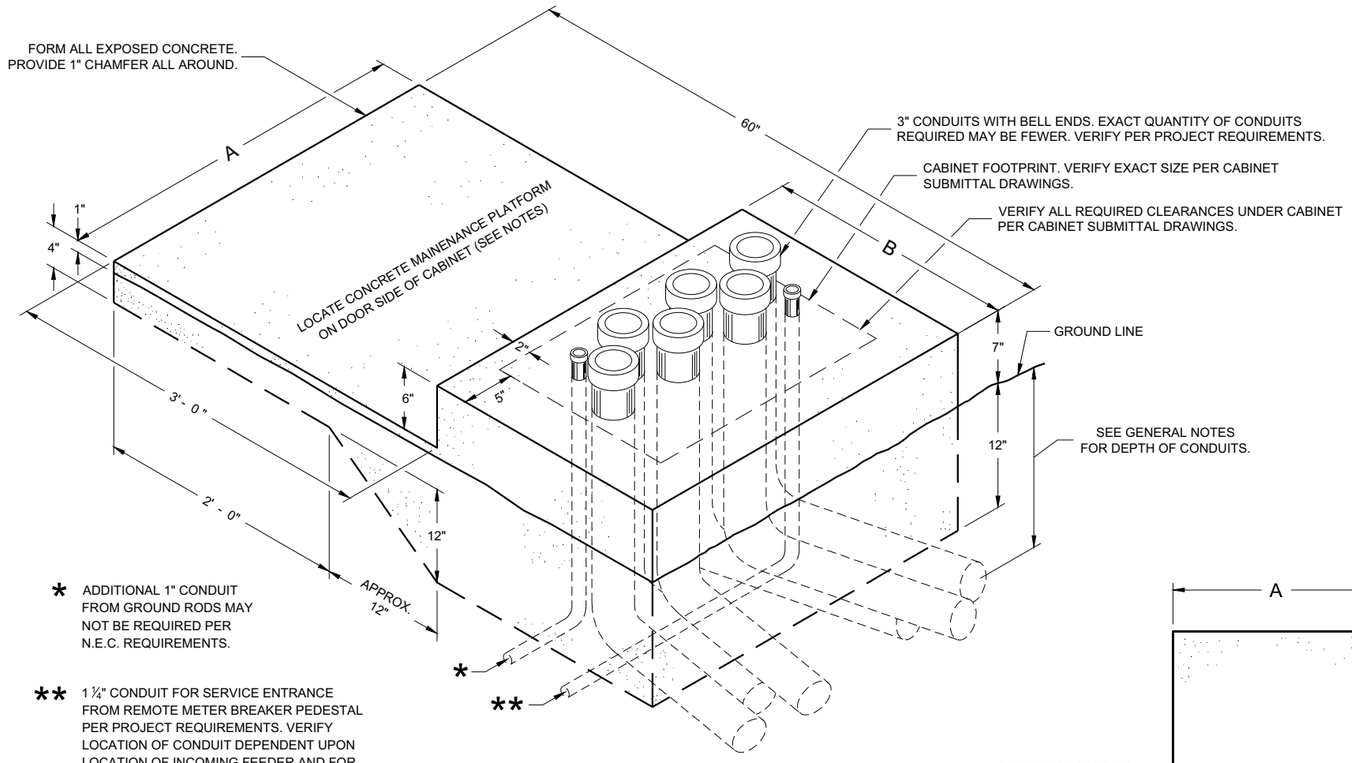
CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL

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DEPARTMENT OF TRANSPORTATION

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Sept. 2014 — DATE
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S.D.D. 9 C 6-7



* ADDITIONAL 1" CONDUIT FROM GROUND RODS MAY NOT BE REQUIRED PER N.E.C. REQUIREMENTS.

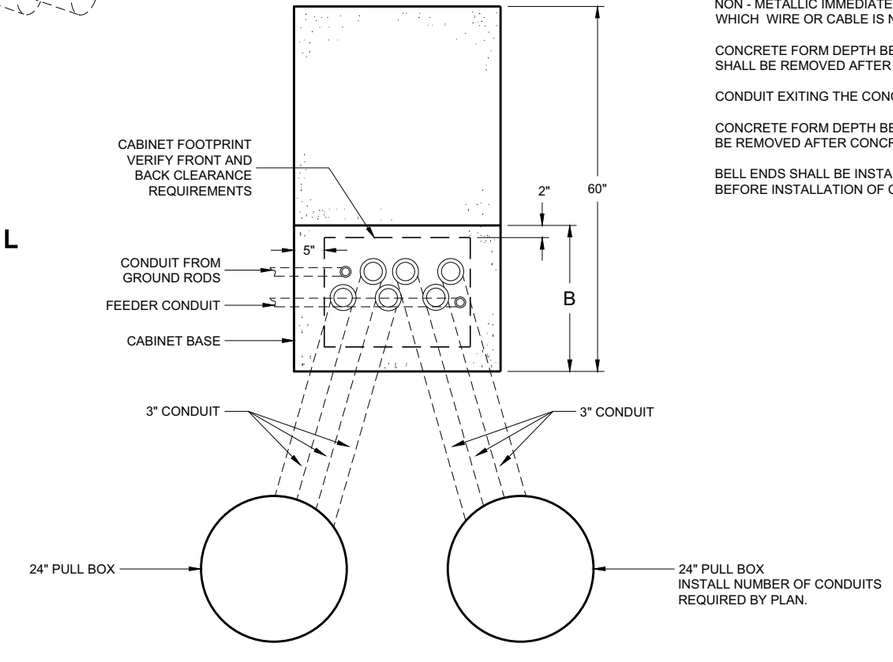
** 1 ¼" CONDUIT FOR SERVICE ENTRANCE FROM REMOTE METER BREAKER PEDESTAL PER PROJECT REQUIREMENTS. VERIFY LOCATION OF CONDUIT DEPENDENT UPON LOCATION OF INCOMING FEEDER AND FOR EASE OF CONNECTION TO LOAD CENTER.

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

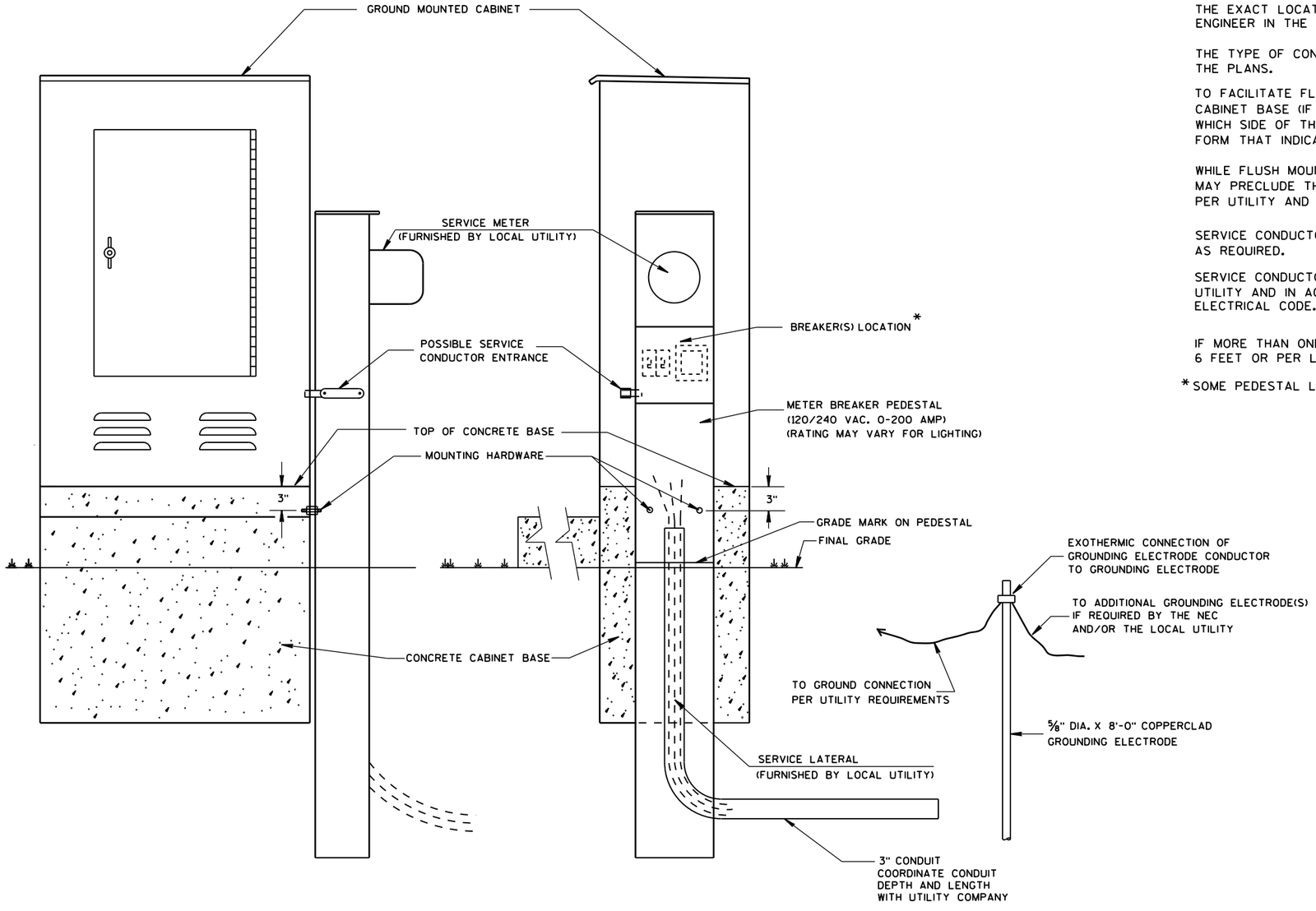
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 205

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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

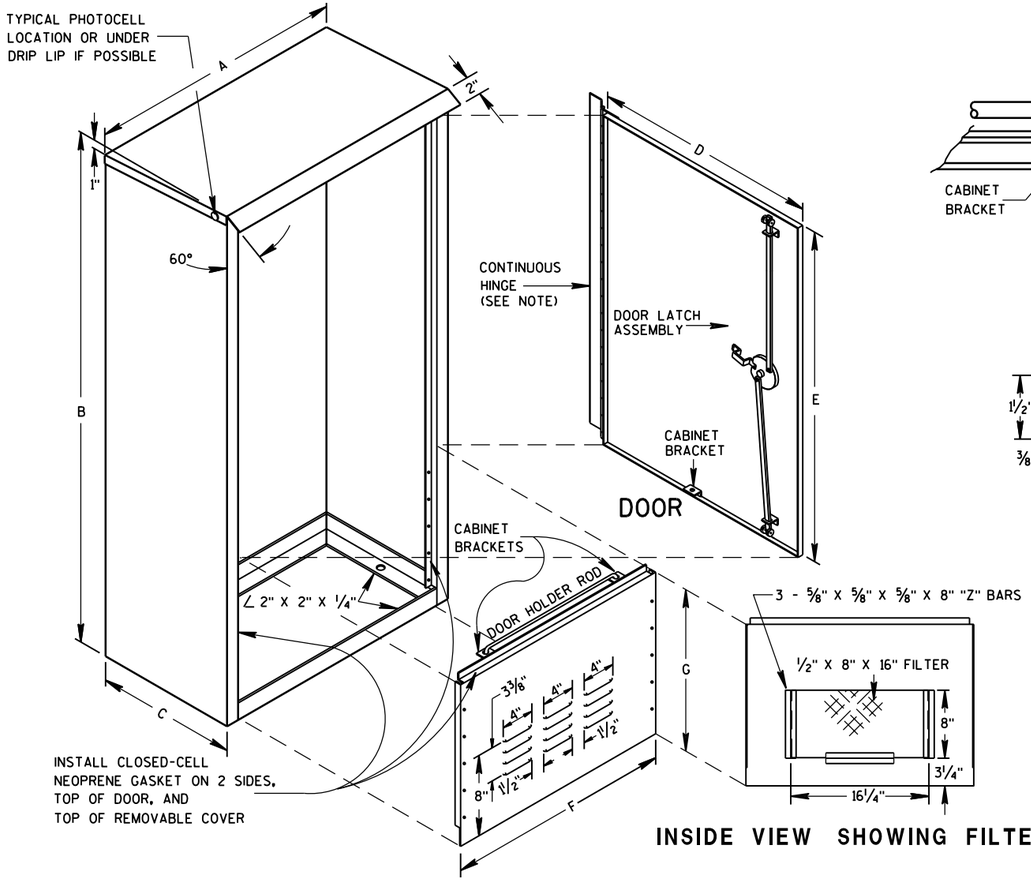
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S.D.D. 9 D 1-5

CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

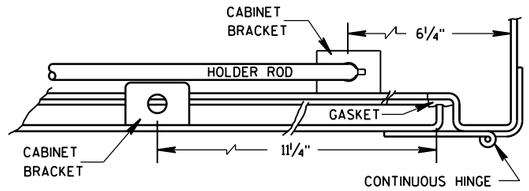
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

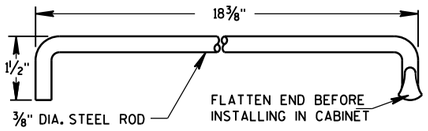


REMOVABLE COVER

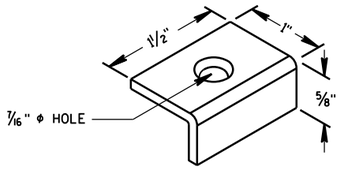
INSIDE VIEW SHOWING FILTER



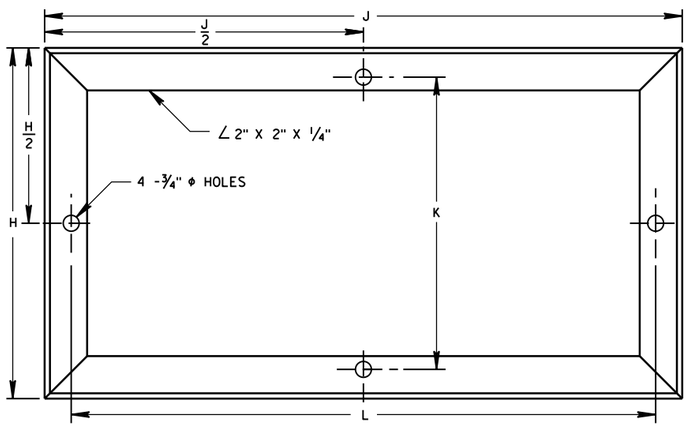
HINGE & DOOR HOLDER



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.

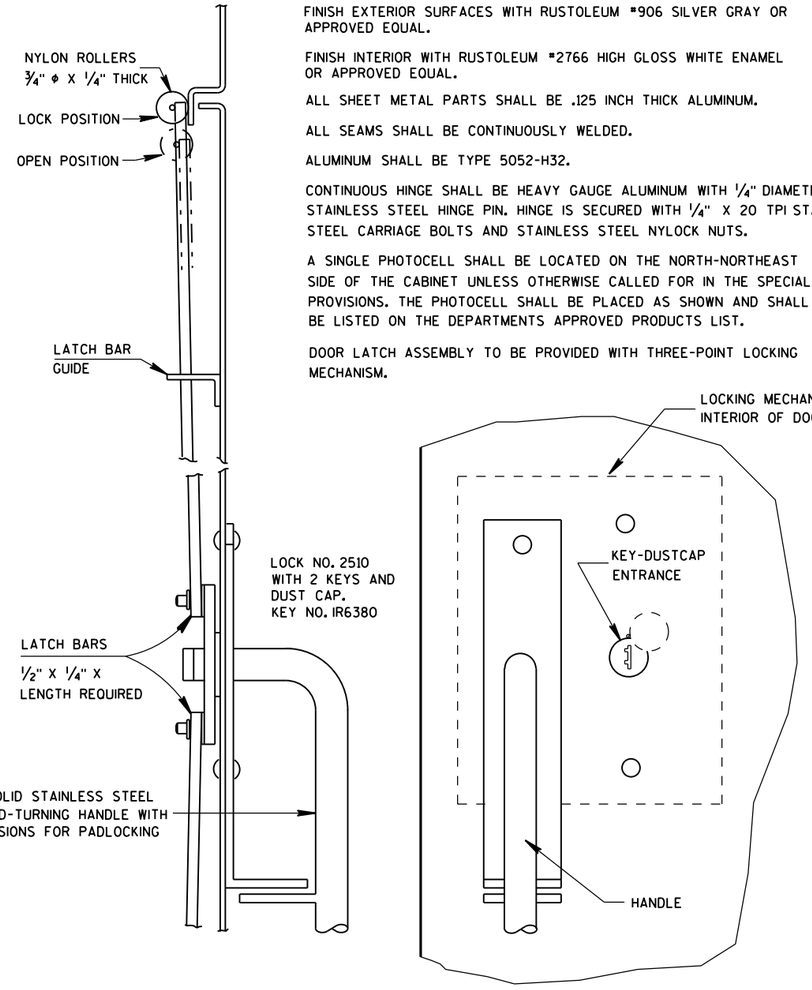
ALL SEAMS SHALL BE CONTINUOUSLY WELDED.

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.

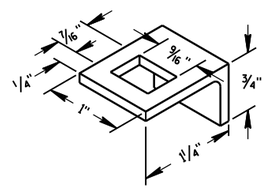
DOOR LATCH ASSEMBLY TO BE PROVIDED WITH THREE-POINT LOCKING MECHANISM.



SIDE VIEW

FRONT VIEW

LATCH ASSEMBLY



LATCH BAR GUIDE

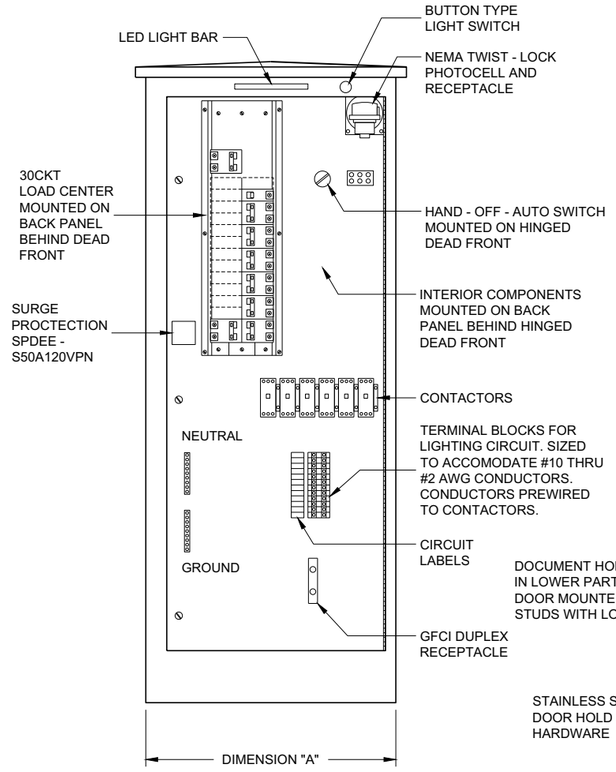
SIGNAL CONTROL CABINET

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

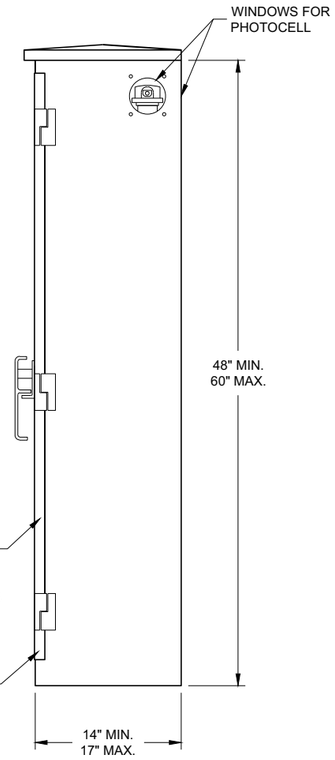
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Sept. 2014
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FRONT INTERIOR ELEVATION



SIDE VIEW



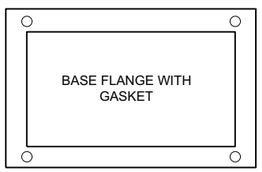
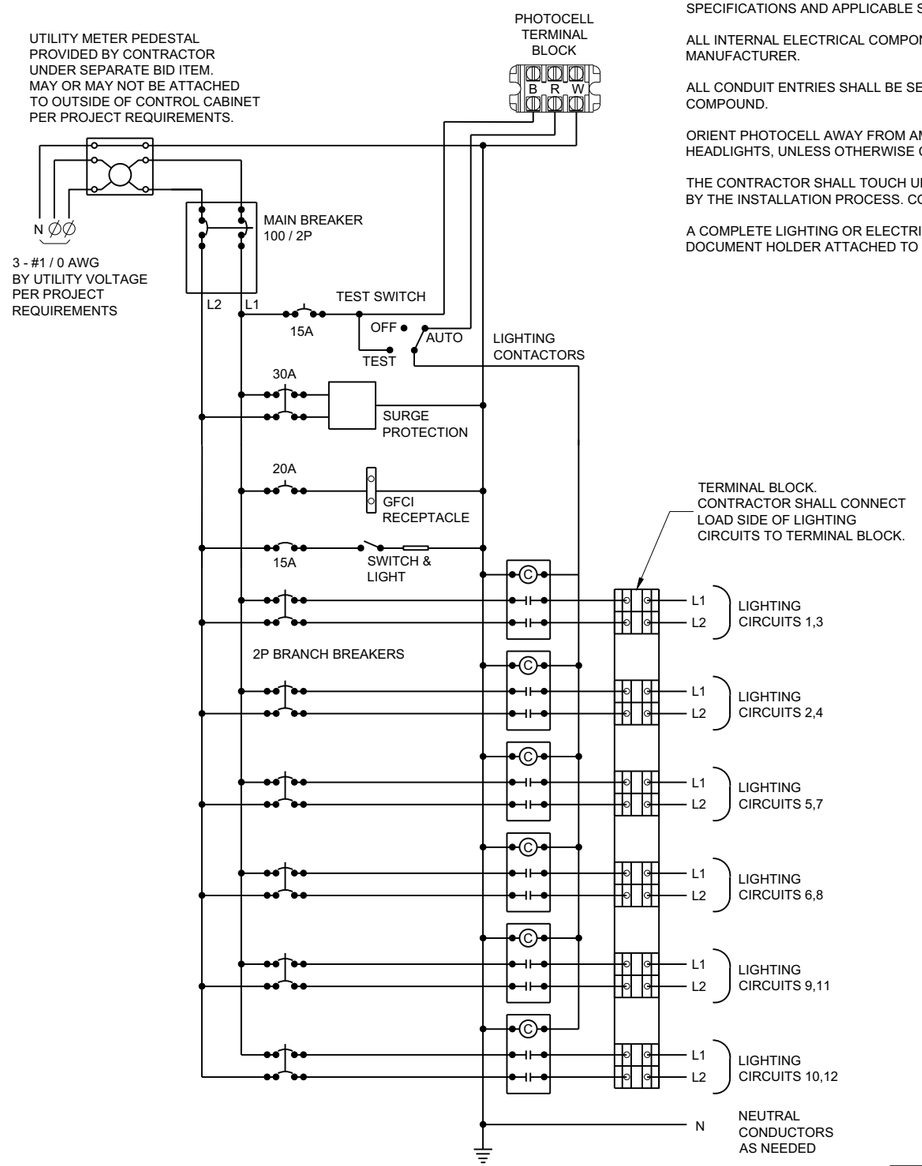


TABLE OF DIMENSIONS (INCHES)		
CONCRETE BASE TYPE	CABINET WIDTH	DIMENSION "A"
L24	24"	24"
L30	30"	30"

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

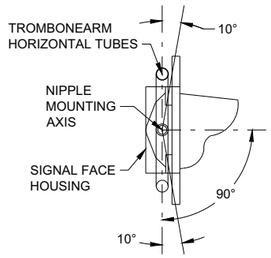
STATE OF WISCONSIN
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November 2018
DATE

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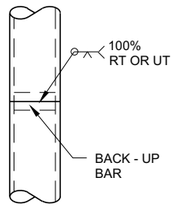


SECTION A-A

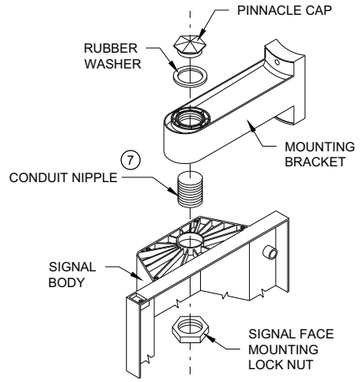
(10 DEGREES TILT REQUIREMENT OF FACE(S) IN THE TROMBONE MOUNTING)

FOR MANUFACTURERS USE ONLY

WELD TO BE 100% R.T. OR U.T. TESTED AS PER THE REQUIREMENTS OF AWS D 1.5-88. RECORDS OF COMPLIANCE OF SUCH TESTING SHALL BE FURNISHED TO THE OFFICE OF DESIGN / BRIDGE FOR VERIFICATION AND APPROVAL.



POLE SPLICE DETAIL



SIGNAL FACE MOUNTING DETAIL

(BANDED)

GENERAL NOTES

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

POLES SHALL BE EITHER ALUMINUM OR GALVANIZED STEEL AS CALLED FOR IN THE CONTRACT.

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

A PULL WIRE / ROPE SHALL BE INSTALLED IN EACH TROMBONE ARM RACEWAY DURING THE MANUFACTURING PROCESS.

TYPE 2 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063 - T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE AND COVER ASSEMBLY WITH TWO (2) ¼" X ¾" - 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.

(2) SIGNAL FACE MOUNTING BRACKETS. MOUNT WITH CAP SCREWS AND BANDING.

(3) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(4) SECURELY MOUNT DULL BLACK POLYCARBONATE BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING,PER MANUFACTURER'S RECOMMENDATIONS.

(5) POLE MOUNTED SIGNAL FACES SHALL REQUIRE ONE OR MORE MOUNTING SPACERS UNDER THE TOP MOUNTING BRACKET(S) ASREQUIRED, TO PLUMB THE SIGNAL FACES.

(6) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

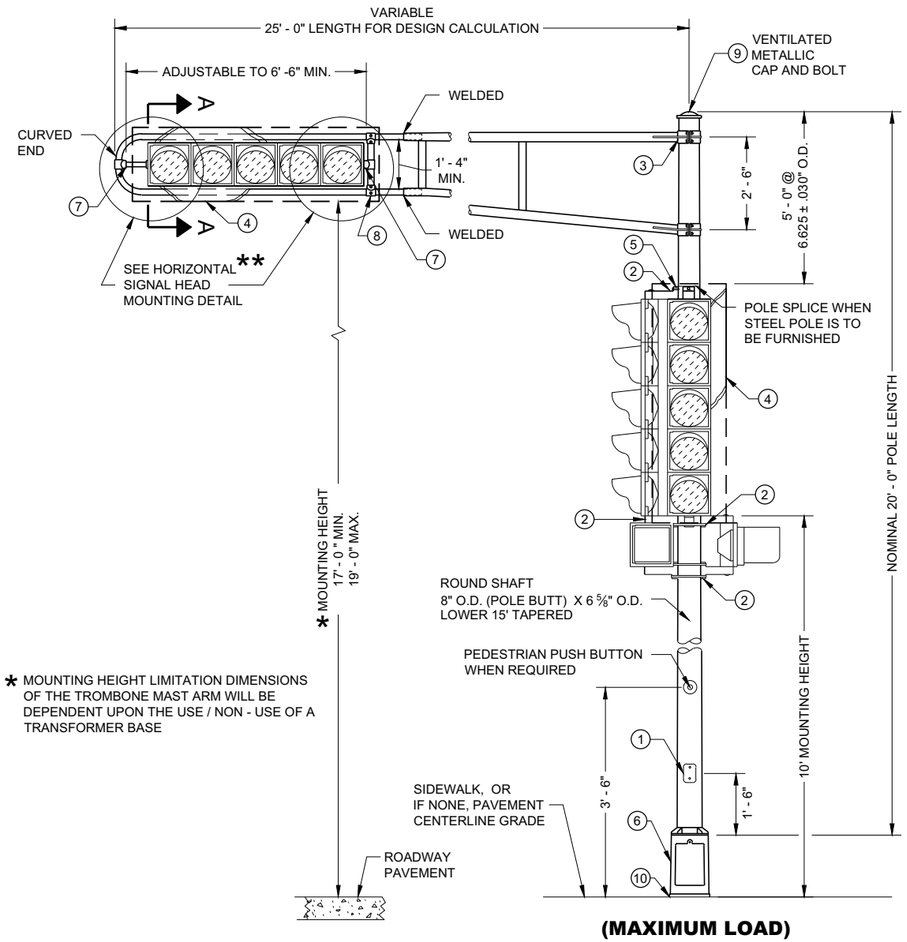
(7) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOTINTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACES AND BRACKET ENDS.

(8) VERTICAL STRUT (ADJUSTABLE). ONE (1) SET SCREW (¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD) INTO EACH ARM MEMBER IF STRUTIS THE SLIDING TYPE.

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

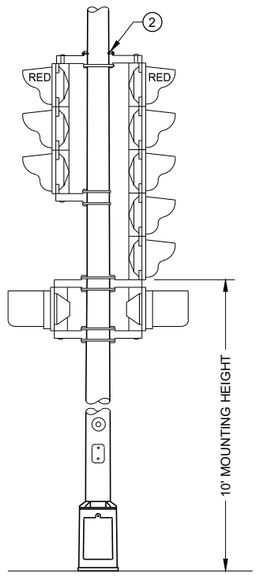
(10) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND THE TRANSFORMER BASE.

(11) USE SERRATED LOCK WASHERS WITH NOTCHES BETWEEN END TEE AND SIGNAL HEAD.

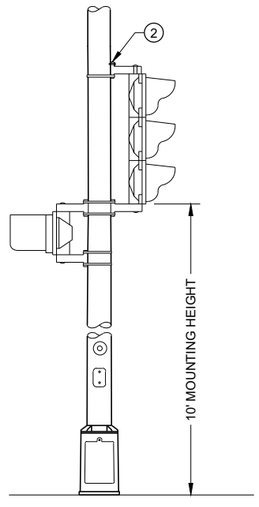


* MOUNTING HEIGHT LIMITATION DIMENSIONS OF THE TROMBONE MAST ARM WILL BE DEPENDENT UPON THE USE / NON - USE OF A TRANSFORMER BASE

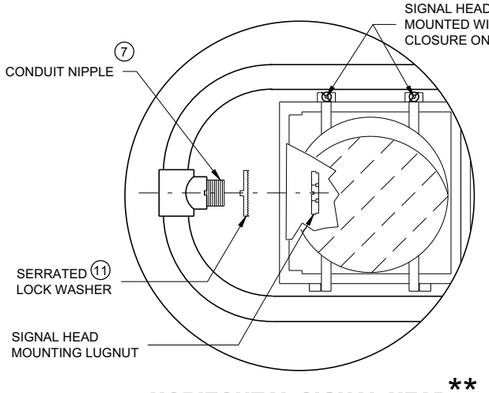
(MAXIMUM LOAD)



TYPICAL MOUNTING OF BACK TO BACK 3 AND 5 SECTION SIGNAL FACES



TYPICAL MOUNTING OF 3 SECTION SIGNAL FACE



HORIZONTAL SIGNAL HEAD MOUNTING DETAIL **

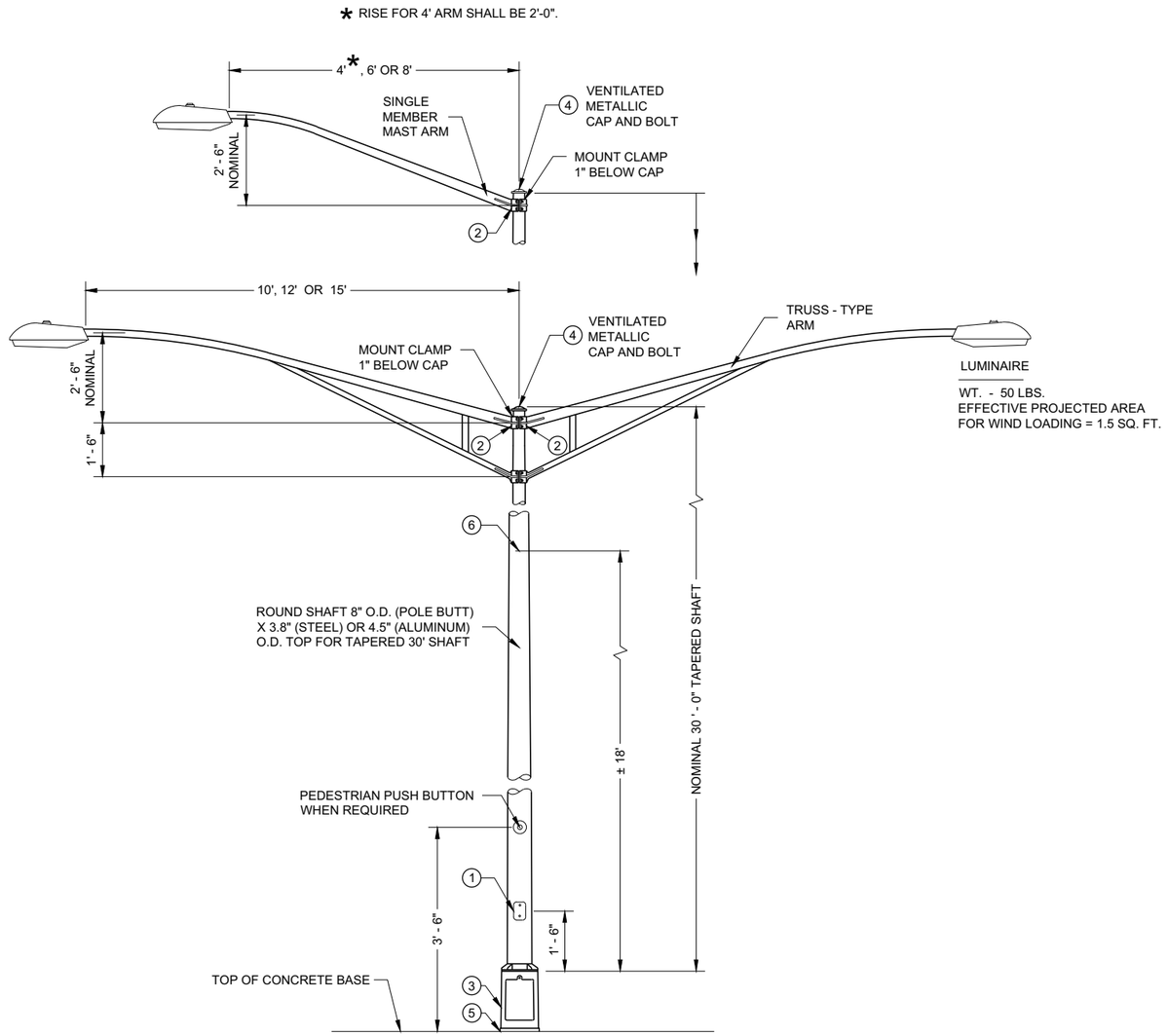
** SIGNAL HEAD ATTACHMENT ALSO APPLIES TO MOUNTING AT CROSS BAR

TYPE 2 POLE MOUNTING CONFIGURATION

POLE MOUNTINGS FOR TRAFFIC SIGNALS TYPE 2

STATE OF WISCONSIN
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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.

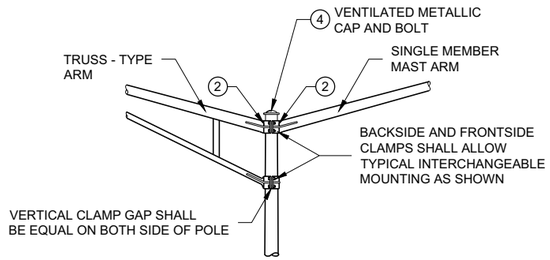
(2) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(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.

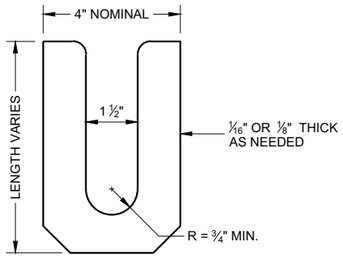
(6) INTERNAL DUMBBELL - TYPE VIBRATION DAMPER.



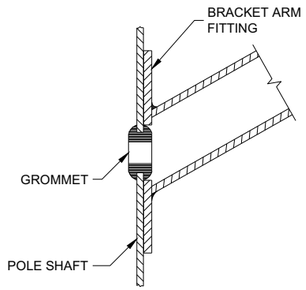
INTERCHANGEABLE MOUNTING DETAIL

POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)

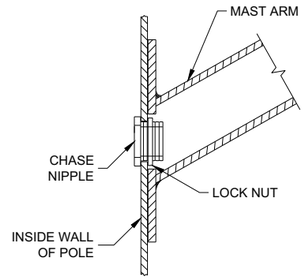
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LEVELING SHIM (1)
SHALL BE ALUMINUM



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.

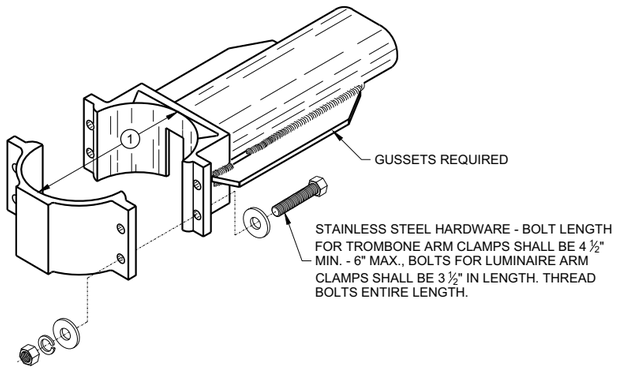
(1) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP. 6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

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

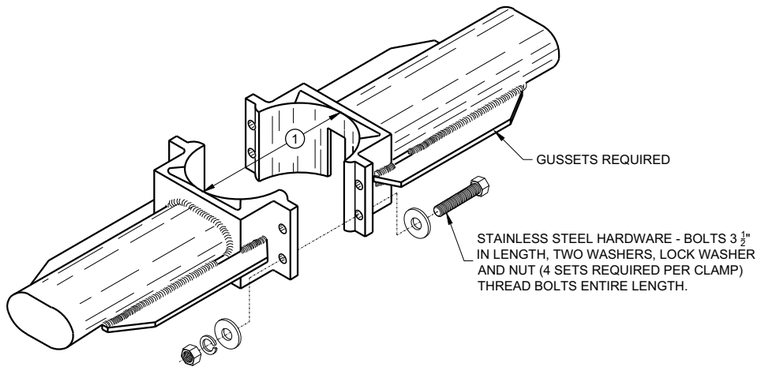
(3) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(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.

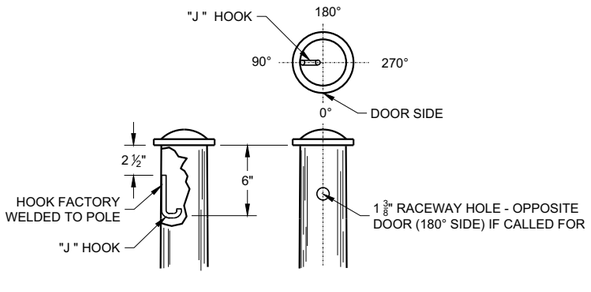
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



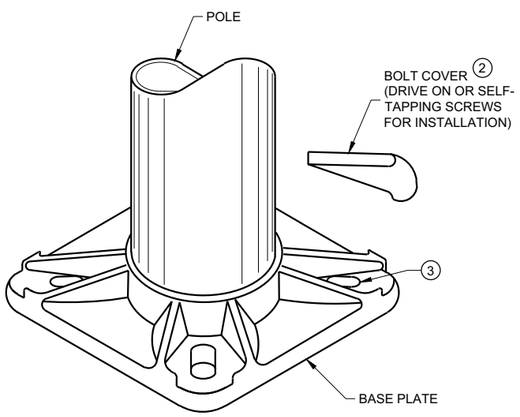
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



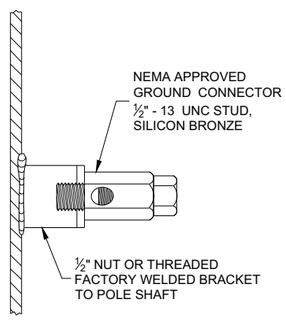
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

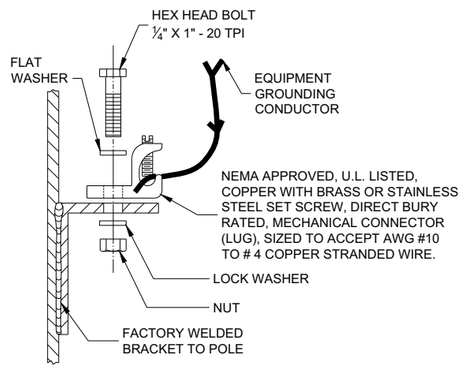


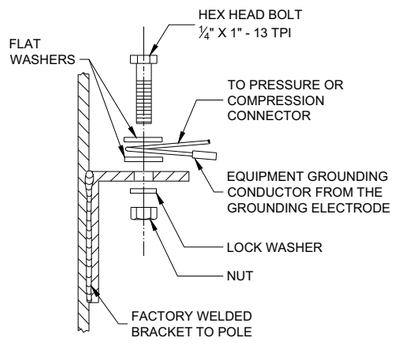
TYPICAL "J" HOOK LOCATION



BASE PLATE







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

HARDWARE DETAILS FOR POLE MOUNTING

STATE OF WISCONSIN
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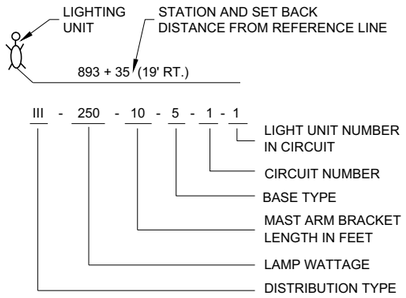
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GENERAL NOTES

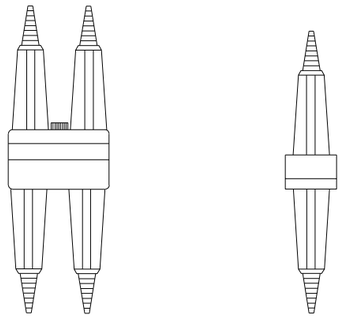
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

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.

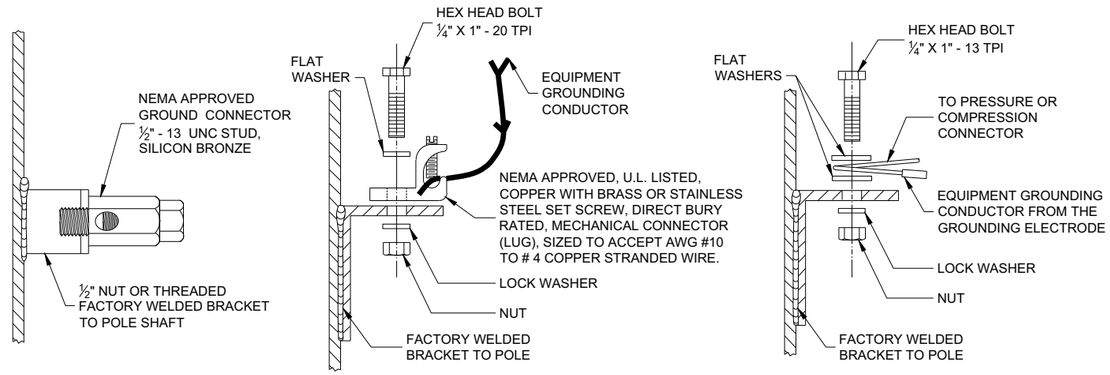


LIGHTING UNIT CODE
(TYPICAL)

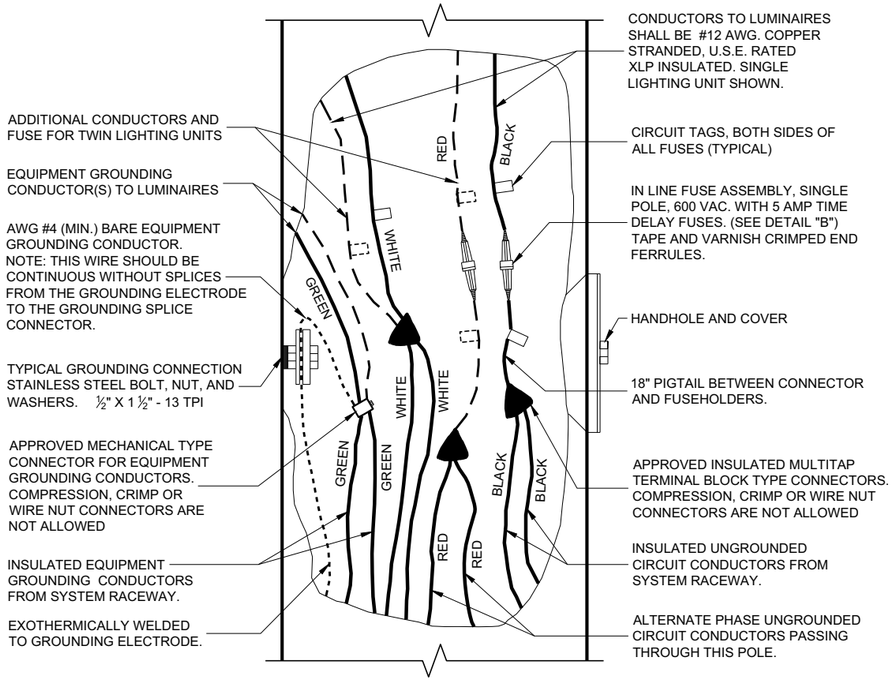


DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT

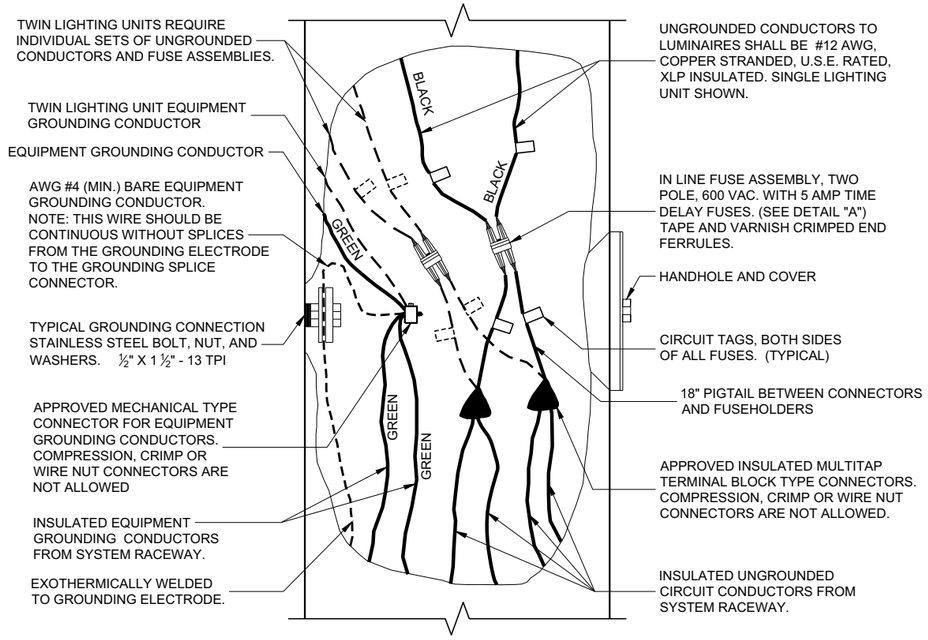
DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT



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

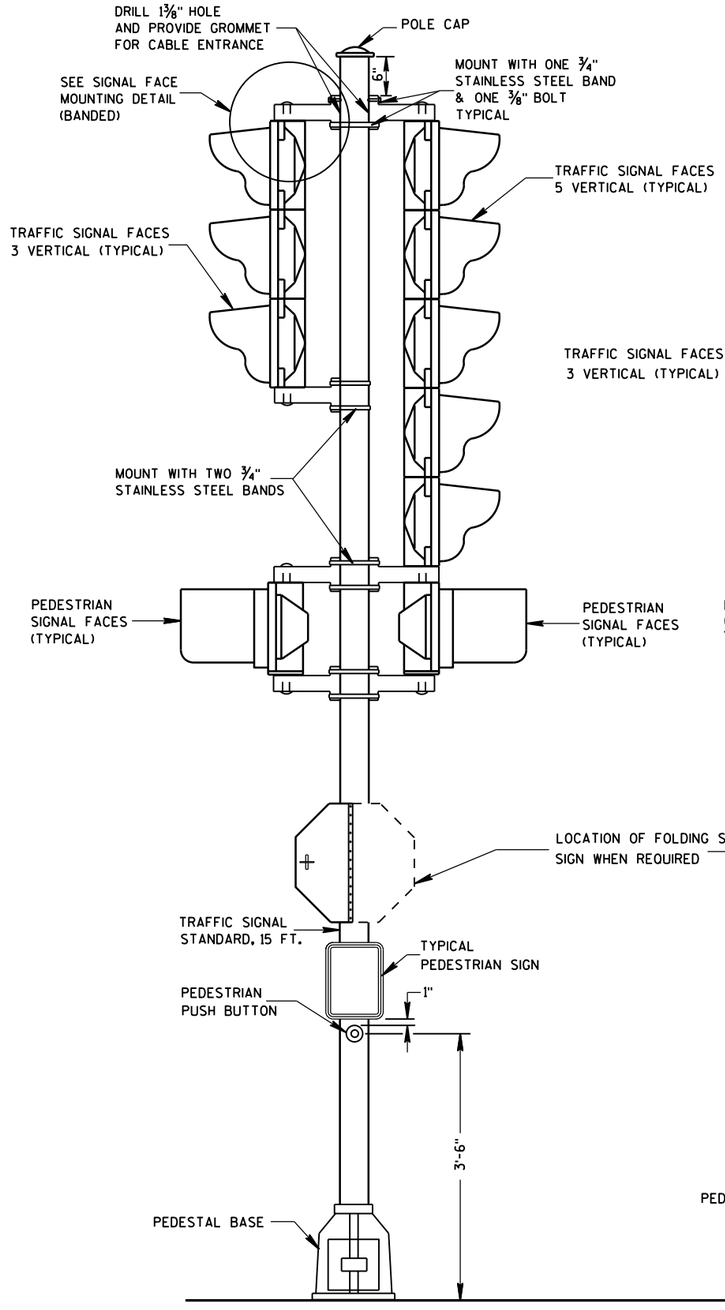
NON - FREEWAY LIGHTING UNIT POLE WIRING

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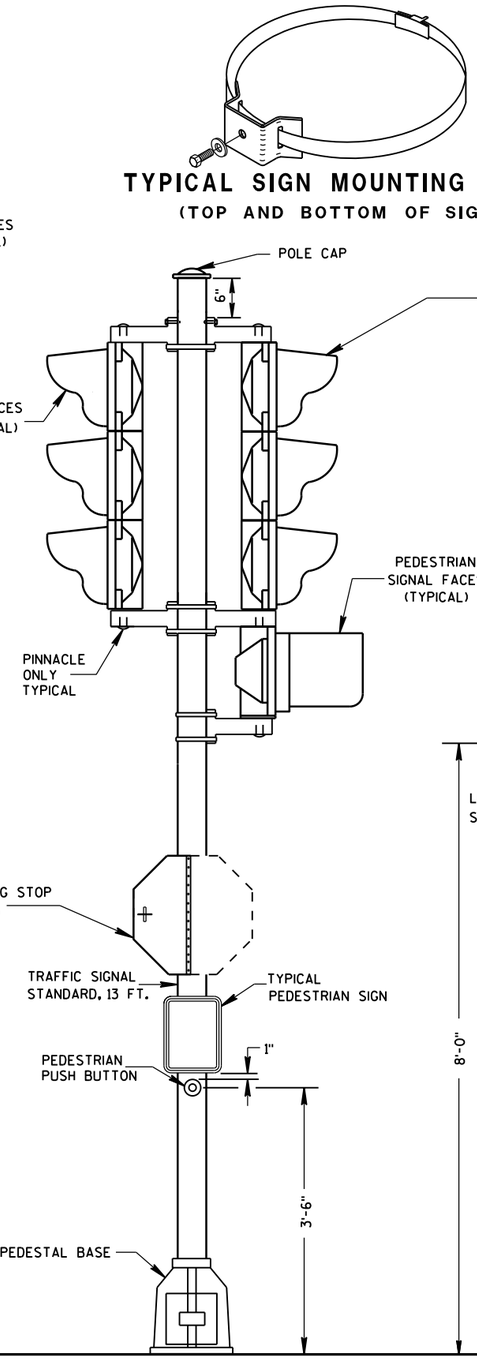
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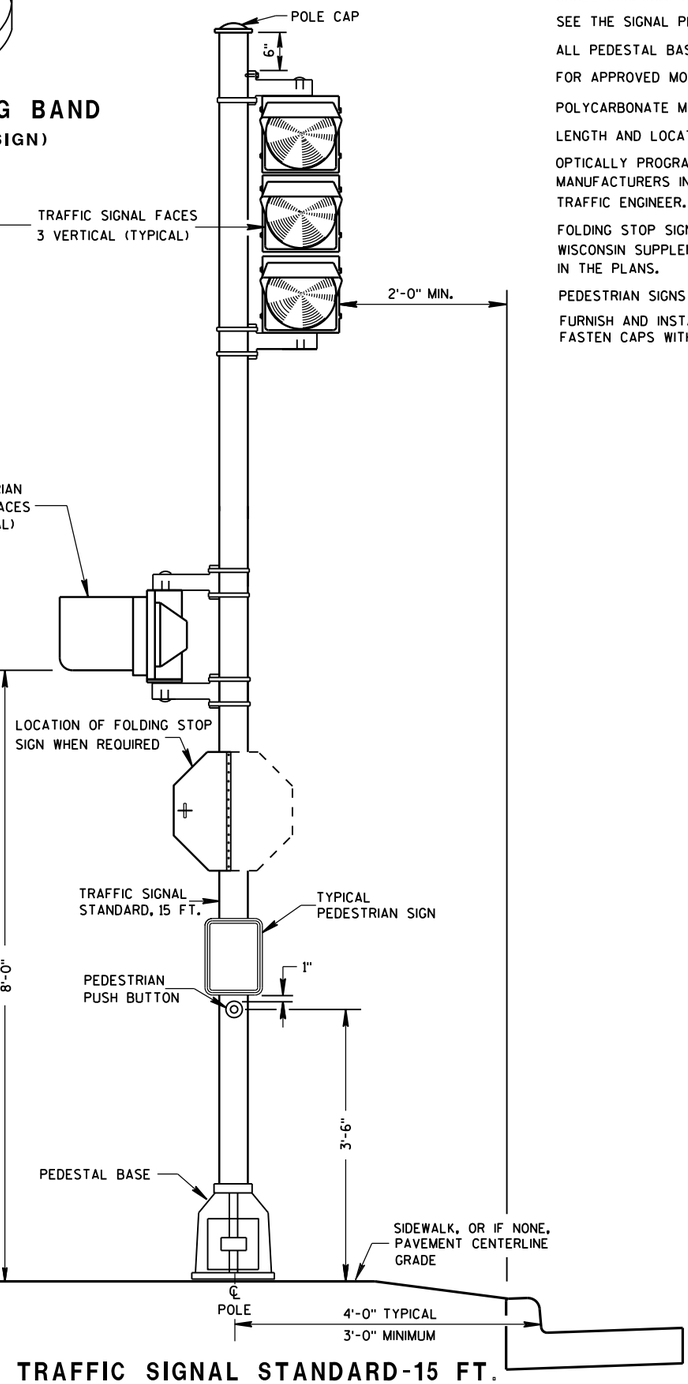


TRAFFIC SIGNAL STANDARD-15 FT.



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.

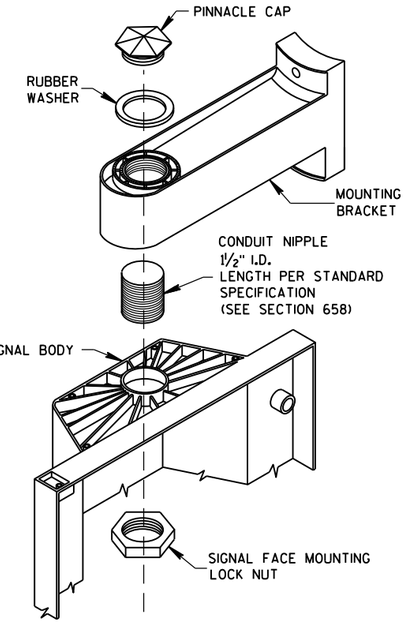
LENGTH AND LOCATION OF TRAFFIC SIGNAL STANDARDS SHALL BE AS SHOWN ON THE PLANS.

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

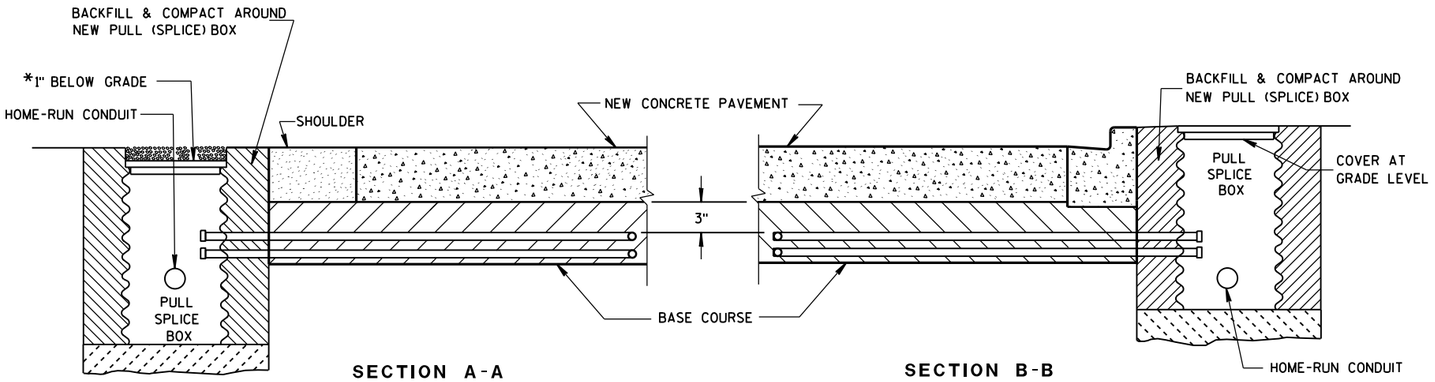
APPROVED
2/28/2013
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL

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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.

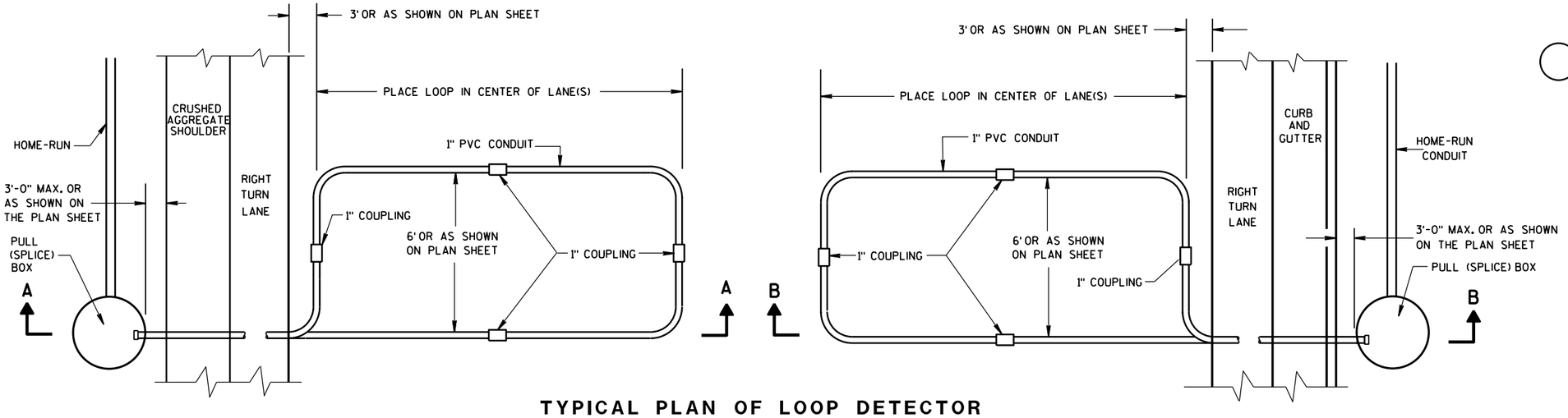
THE #12 AWG. LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL (SPLICE) BOXES AT THE SIDE OF THE ROAD.

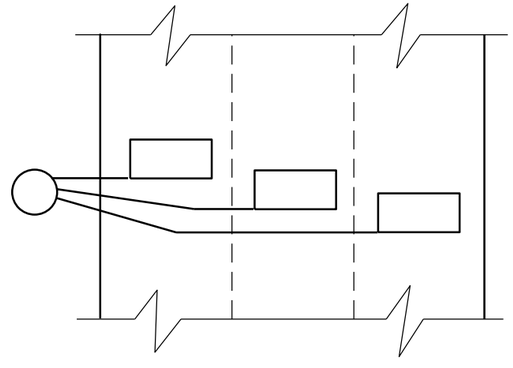
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE, NON-SPLICED CONTINUOUS LENGTH.

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

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



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



MULTI-LANE INSTALLATION

LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

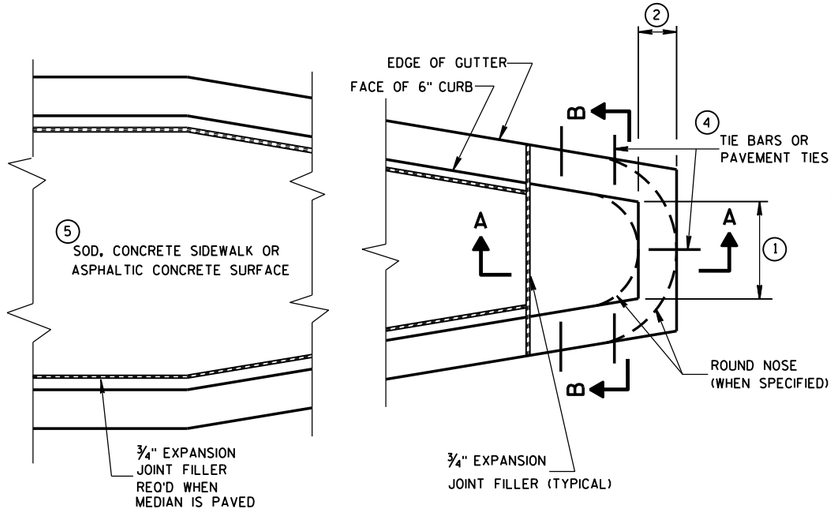
APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

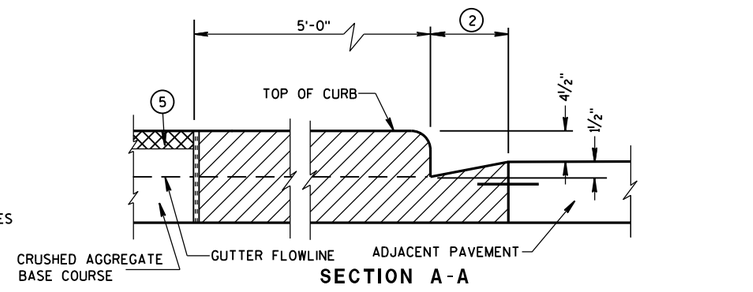
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CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

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

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

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

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

(1) NEW OR EXISTING CONCRETE PAVEMENT.

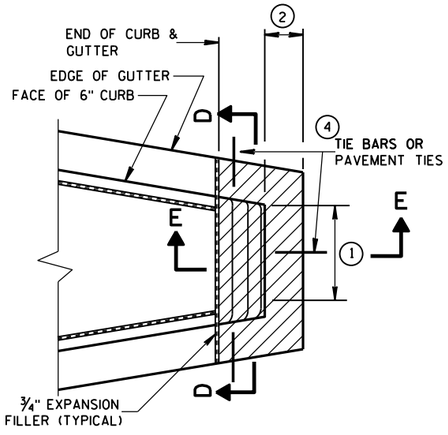
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

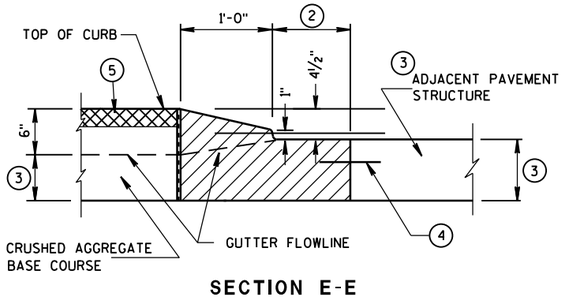
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

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

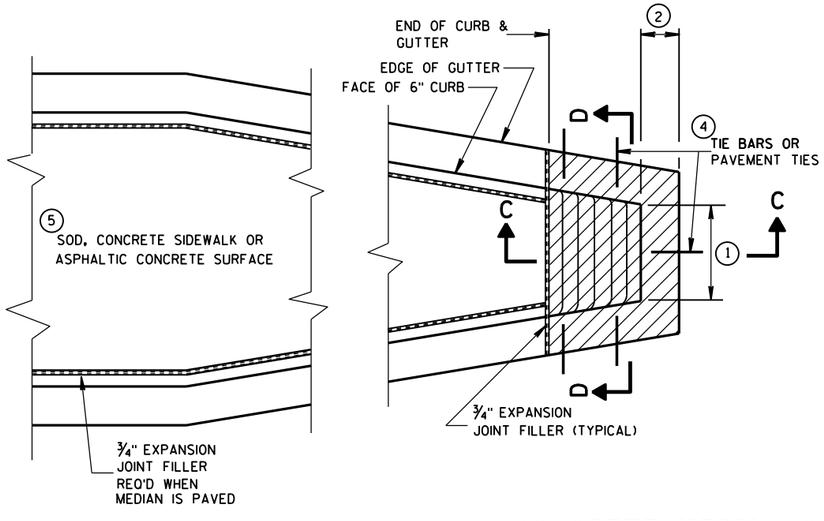
PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

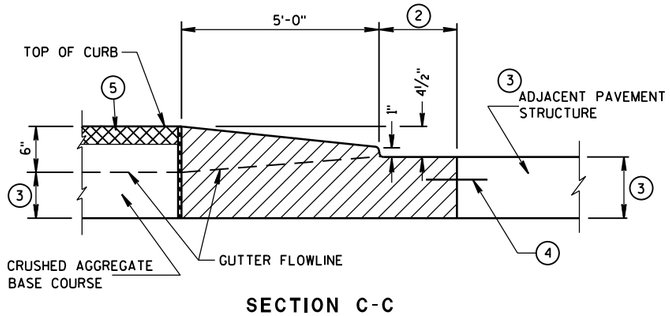
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.



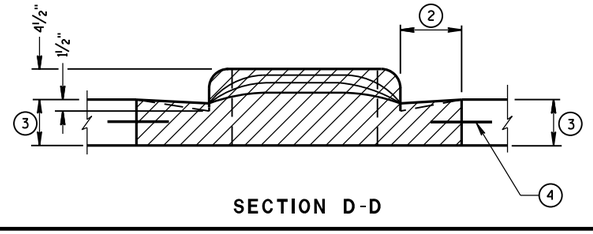


CONCRETE MEDIAN SLOPED NOSE TYPE 2





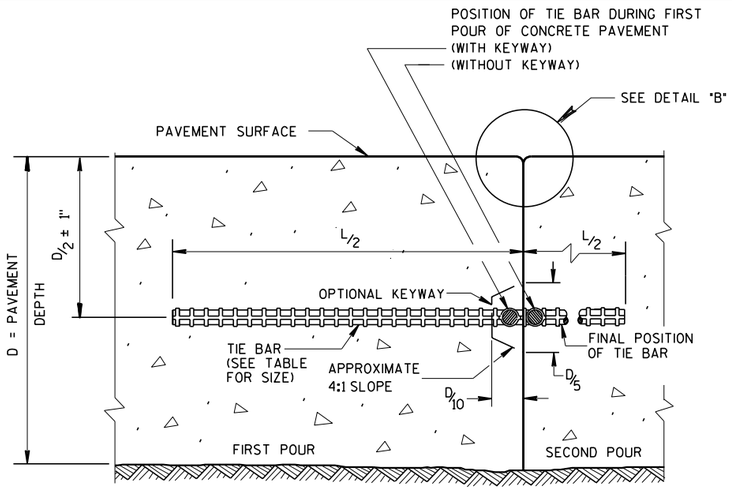
CONCRETE MEDIAN SLOPED NOSE TYPE 1



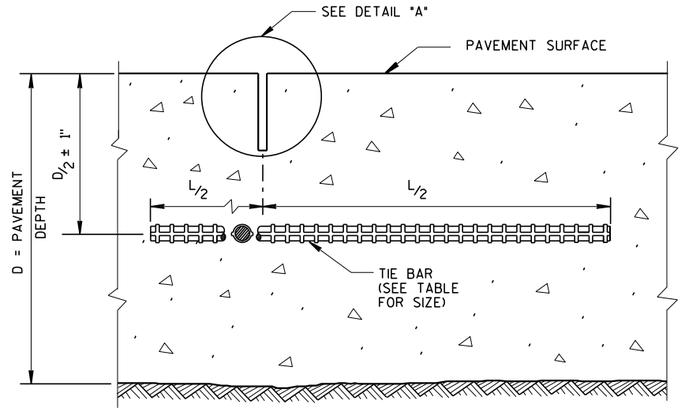
CONCRETE MEDIAN NOSE	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 6/8/2006 DATE FHWA	/S/ Jerry H. Zogg ROADWAY STANDARDS D ENGINEER

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CONSTRUCTION JOINT



SAWED JOINT

GENERAL NOTES

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

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

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

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

PLAN VIEW

SECTION A-A

LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT

DETAIL "A"

DETAIL "B"

DETAIL "C"

TIE BAR TABLE

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

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

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

PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

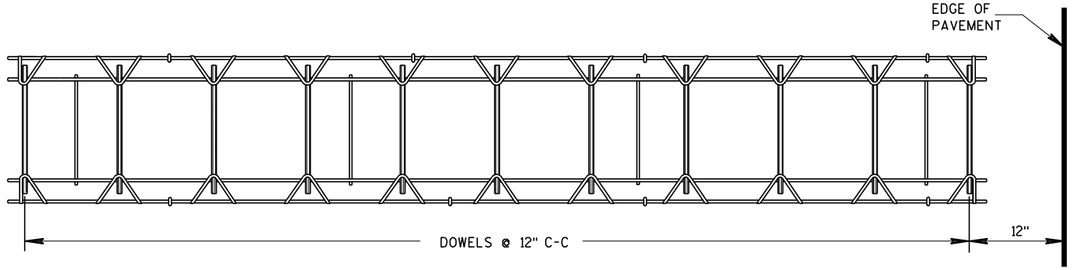
APPROVED
March 2018
DATE
/S/ Peter Kemp PE
PAVEMENT SUPE
FHWA

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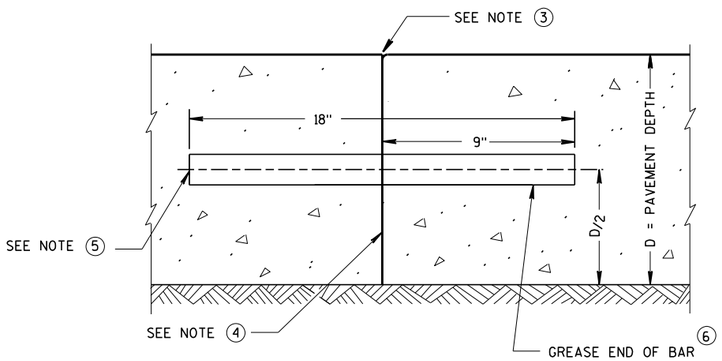


PLAN VIEW

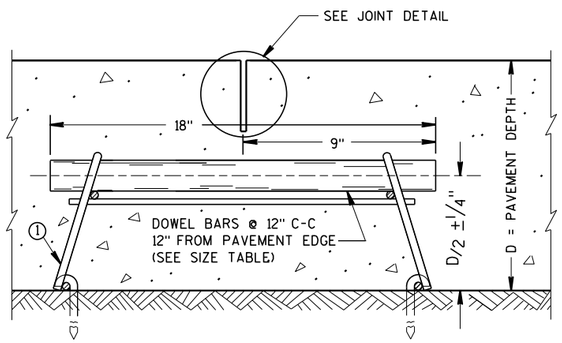


SIDE VIEW

CONTRACTION JOINT DOWEL ASSEMBLY ①



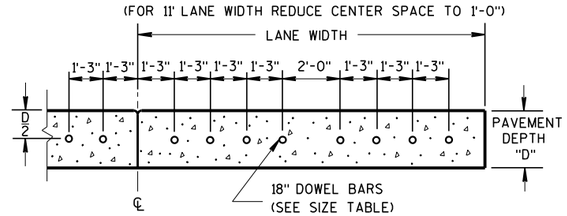
TRANSVERSE CONSTRUCTION JOINT



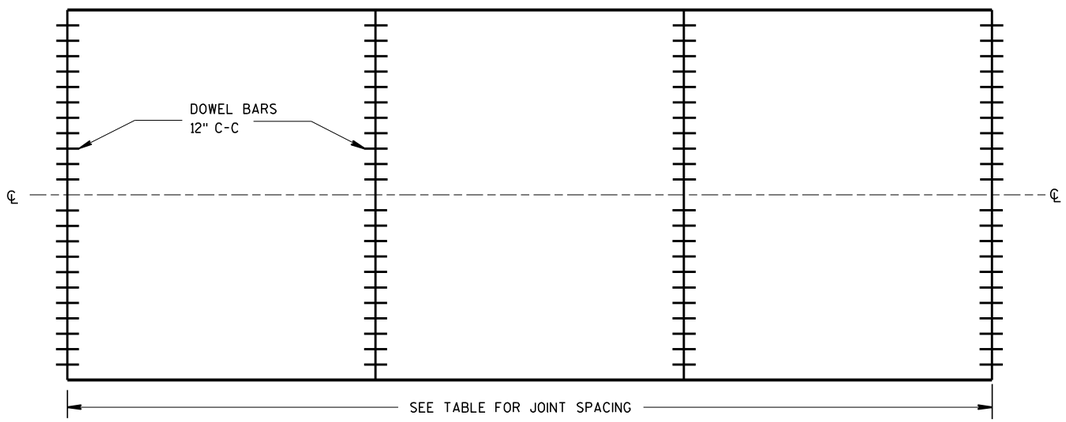
DOWELED CONTRACTION JOINT

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'



DRILLED DOWEL BAR CONSTRUCTION JOINT ⑦



CONTRACTION JOINT LOCATIONS

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.

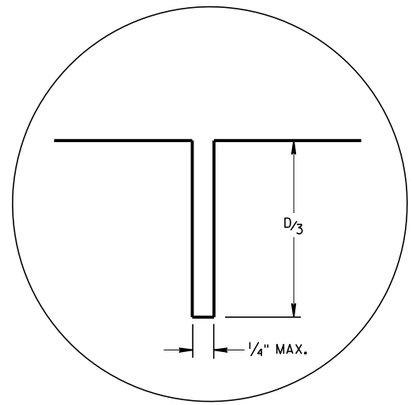
③ FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A ¼-INCH RADIUS AT FORMED JOINTS.

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.



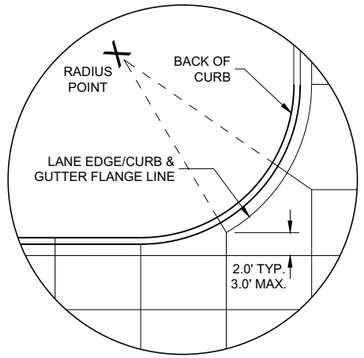
JOINT DETAIL

URBAN DOWELED CONCRETE PAVEMENT

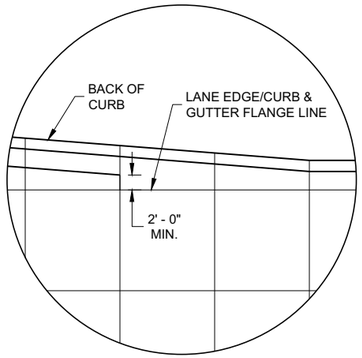
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

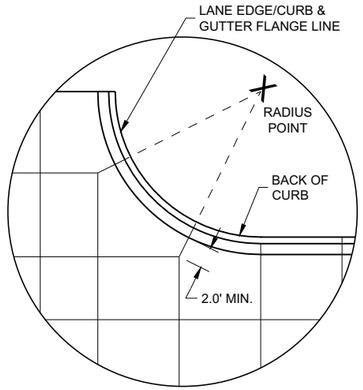
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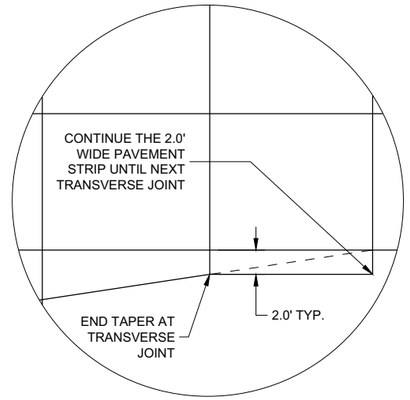
DETAIL "A"



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.

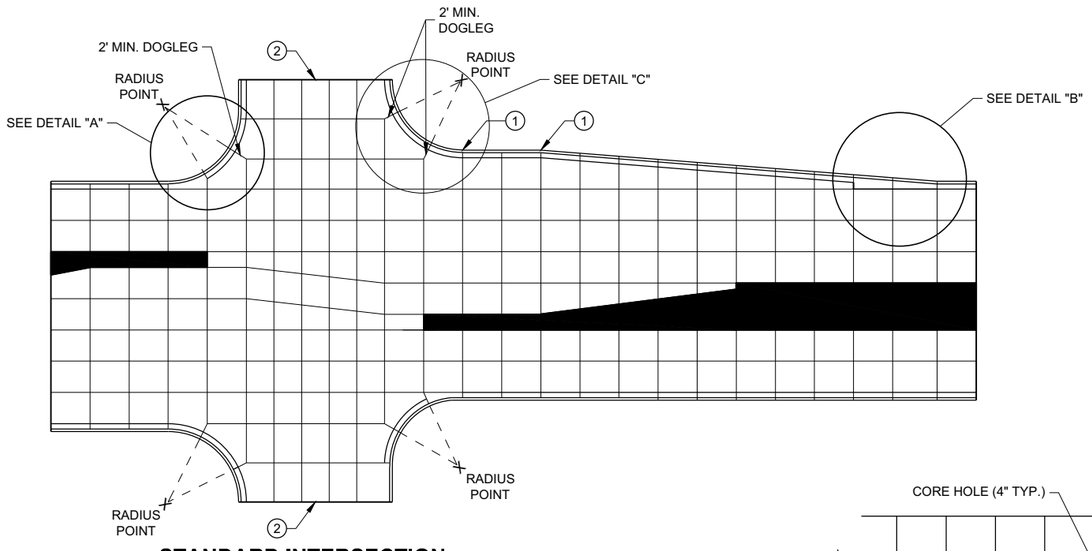
AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

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.

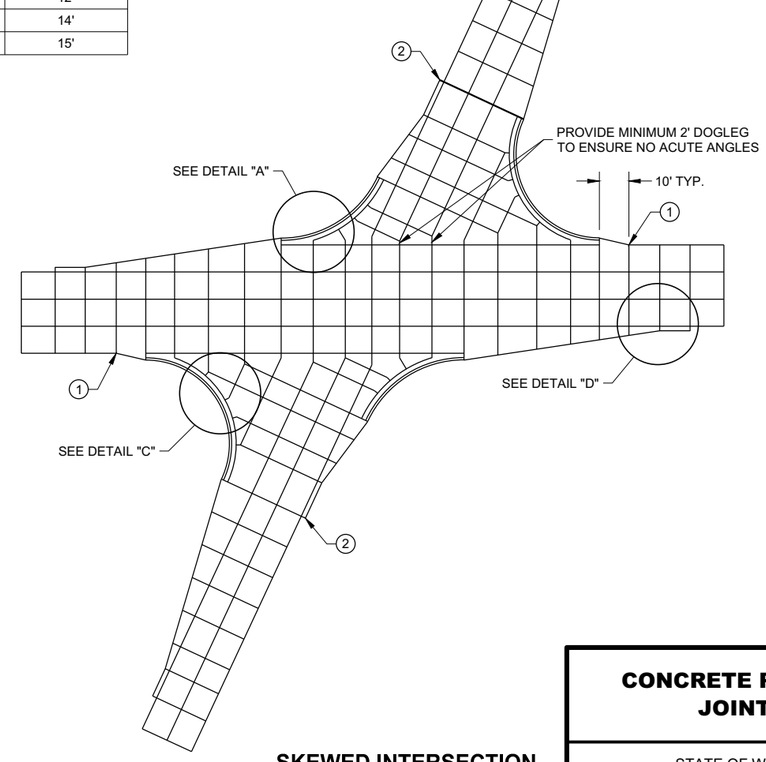
(3) THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



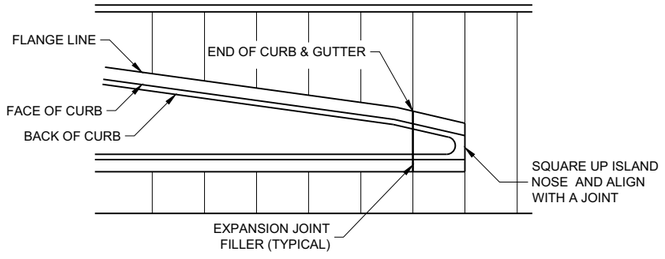
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

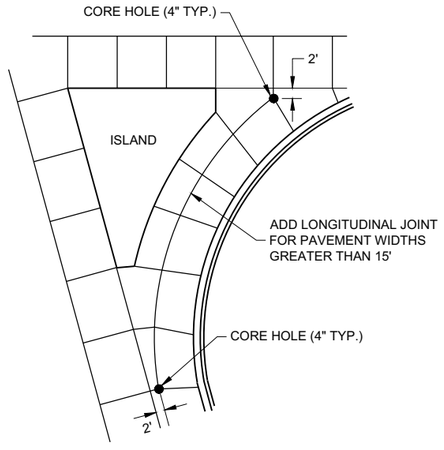
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6 ½"	12'
7", 7 ½"	14'
8" & ABOVE	15'



SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 13C18 - 07a

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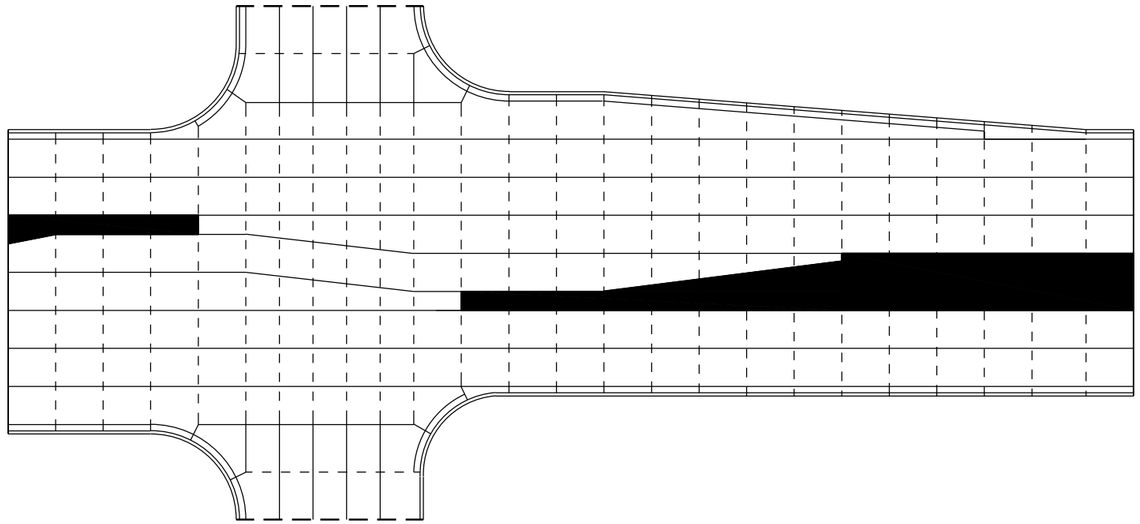
SDD 13C18 - 07a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

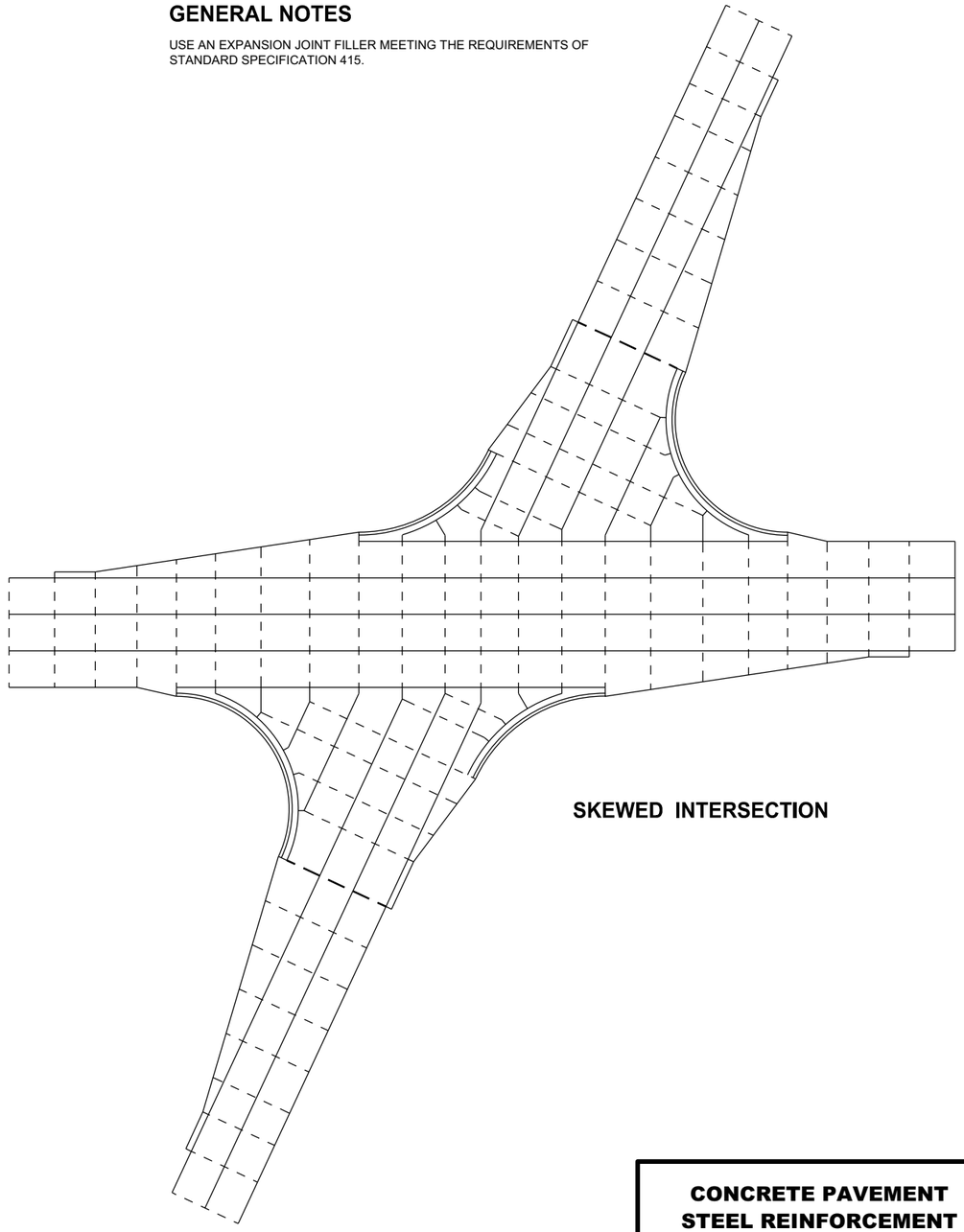
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

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



SKEWED INTERSECTION

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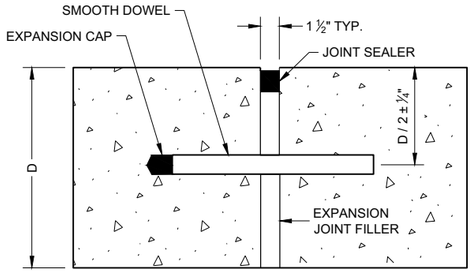
SDD 13C18 - 07b

CONCRETE PAVEMENT
STEEL REINFORCEMENT

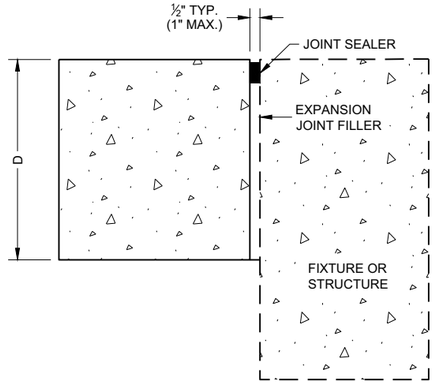
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 13C18 - 07b



DOWELED TRANSVERSE (1)



UNTIED - LONGITUDINAL

EXPANSION JOINTS

TIE BAR TABLE

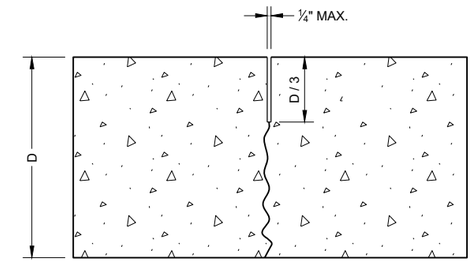
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4*	30"	24"**

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

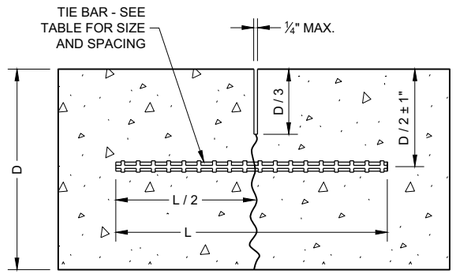
** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

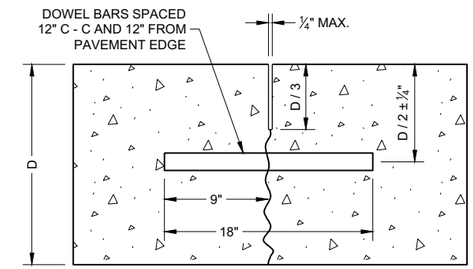
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATETHE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM 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

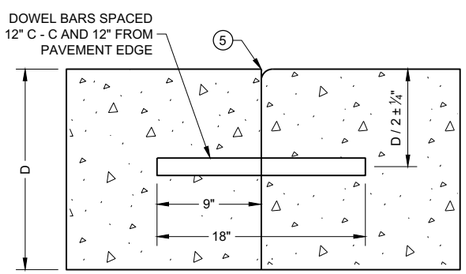


TIED LONGITUDINAL

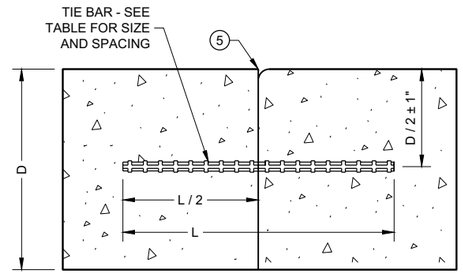


DOWELED TRANSVERSE

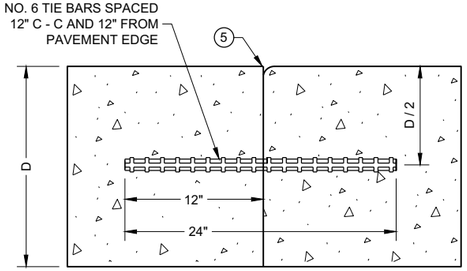
CONTRACTION JOINTS (2)



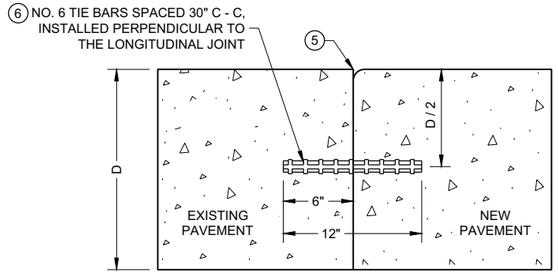
DOWELED TRANSVERSE (3)



TIED LONGITUDINAL



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



TIED LONGITUDINAL TO EXISTING

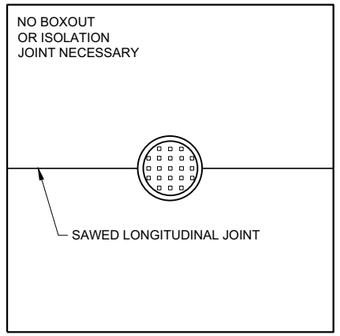
CONSTRUCTION JOINTS (4)

CONCRETE PAVEMENT JOINT TYPES

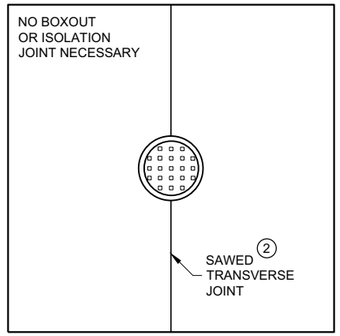
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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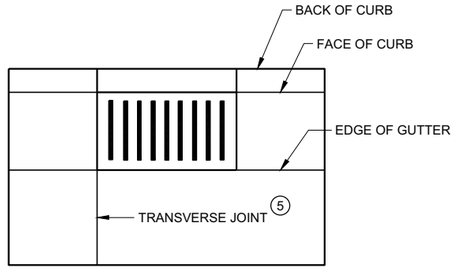
SDD 13C18 - 07c



MANHOLE WITH LONGITUDINAL JOINT



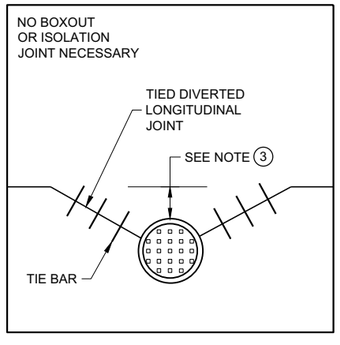
MANHOLE WITH TRANSVERSE JOINT



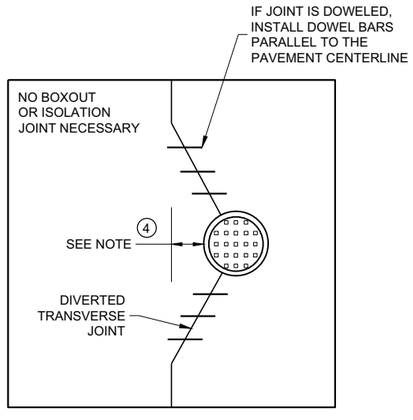
INLET WITH TRANSVERSE JOINT

GENERAL NOTES

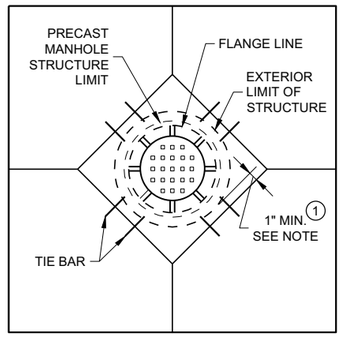
1. USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
2. ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
3. IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF 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

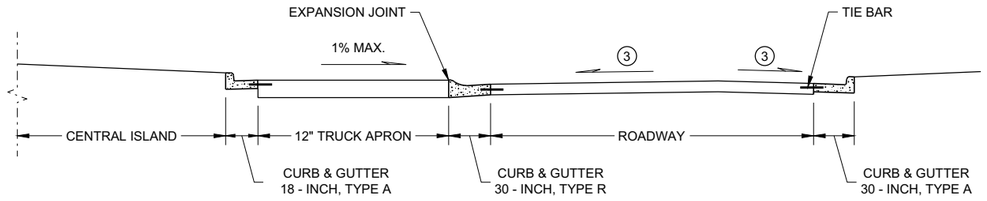
APPROVED
November 2018
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

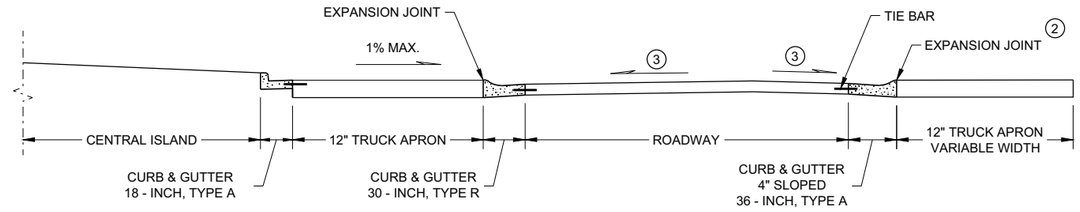
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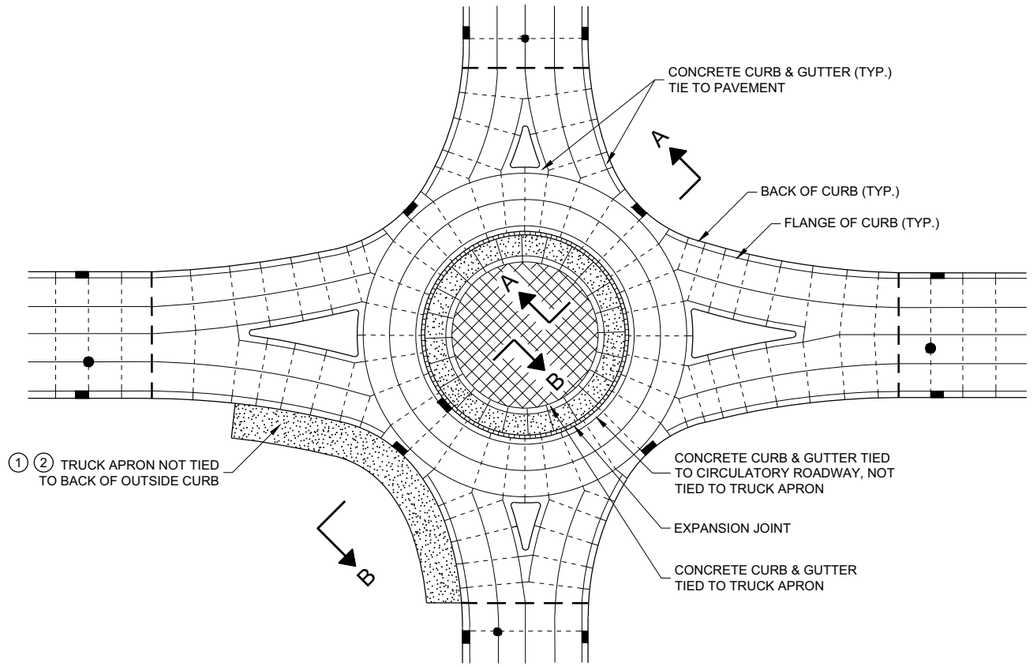
SDD 13C18 - 07d



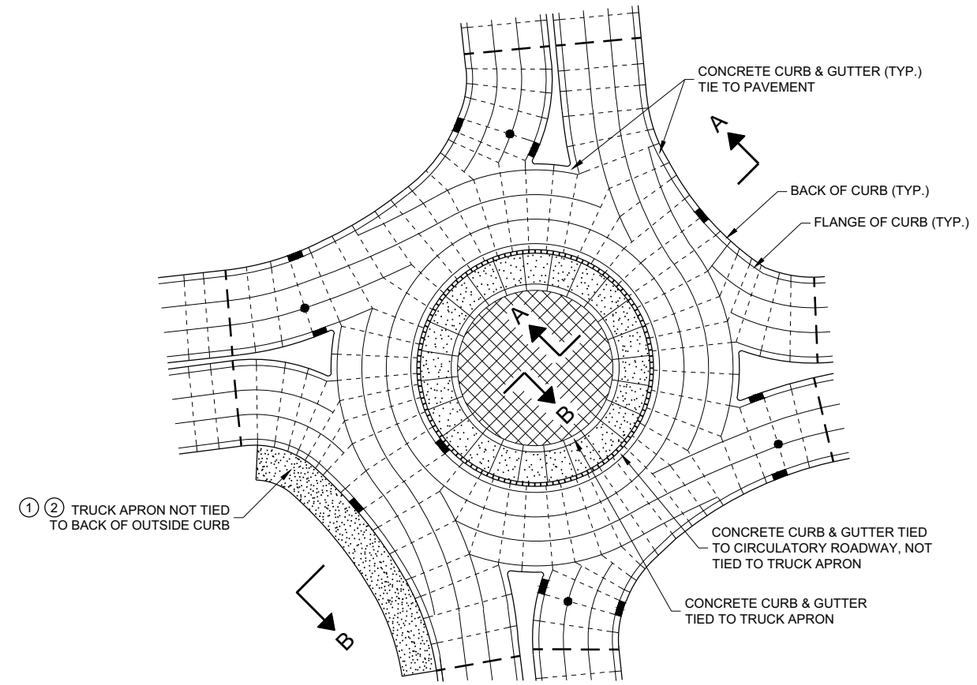
SECTION A - A



SECTION B - B



ISOLATED CIRCLE JOINT LAYOUT FOR ROUNDABOUTS



PINWHEEL JOINT LAYOUT FOR ROUNDABOUTS

GENERAL NOTES

MAXIMUM JOINT SPACING IS IN ACCORDANCE WITH THE TABLE SHOWN ON SDD 13C18 - SHEET "a"

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

DO NOT DOWEL OR TIE THE TRUCK APRON TRANSVERSE JOINTS.

(1) DESIGNER DETERMINES SIZE AND LOCATION(S) OF TRUCK APRON TO ACCOMODATE TRACKING OF OVERSIZE / OVERWEIGHT VEHICLES.

(2) TIE THE OUTSIDE TRUCK APRON TO THE BACK SIDE OF CURB ONLY WHEN ENTIRE TRUCK APRON IS LESS THAN 3 FEET.

(3) CONFORM TO PLAN CONSTRUCTION DETAILS FOR CIRCULATORY ROADWAY CROSS SLOPE.

LEGEND

- DOWELED JOINT
- TIED JOINT
- EXPANSION JOINT
- POTENTIAL DOWELED EXPANSION JOINT
- TRUCK APRON
- CENTRAL ISLAND
- UTILITY STRUCTURES

CONCRETE PAVEMENT JOINTING AND STEEL REINFORCEMENT IN ROUNDABOUTS

STATE OF WISCONSIN
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November 2018
DATE

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PAVEMENT SUPERVISOR

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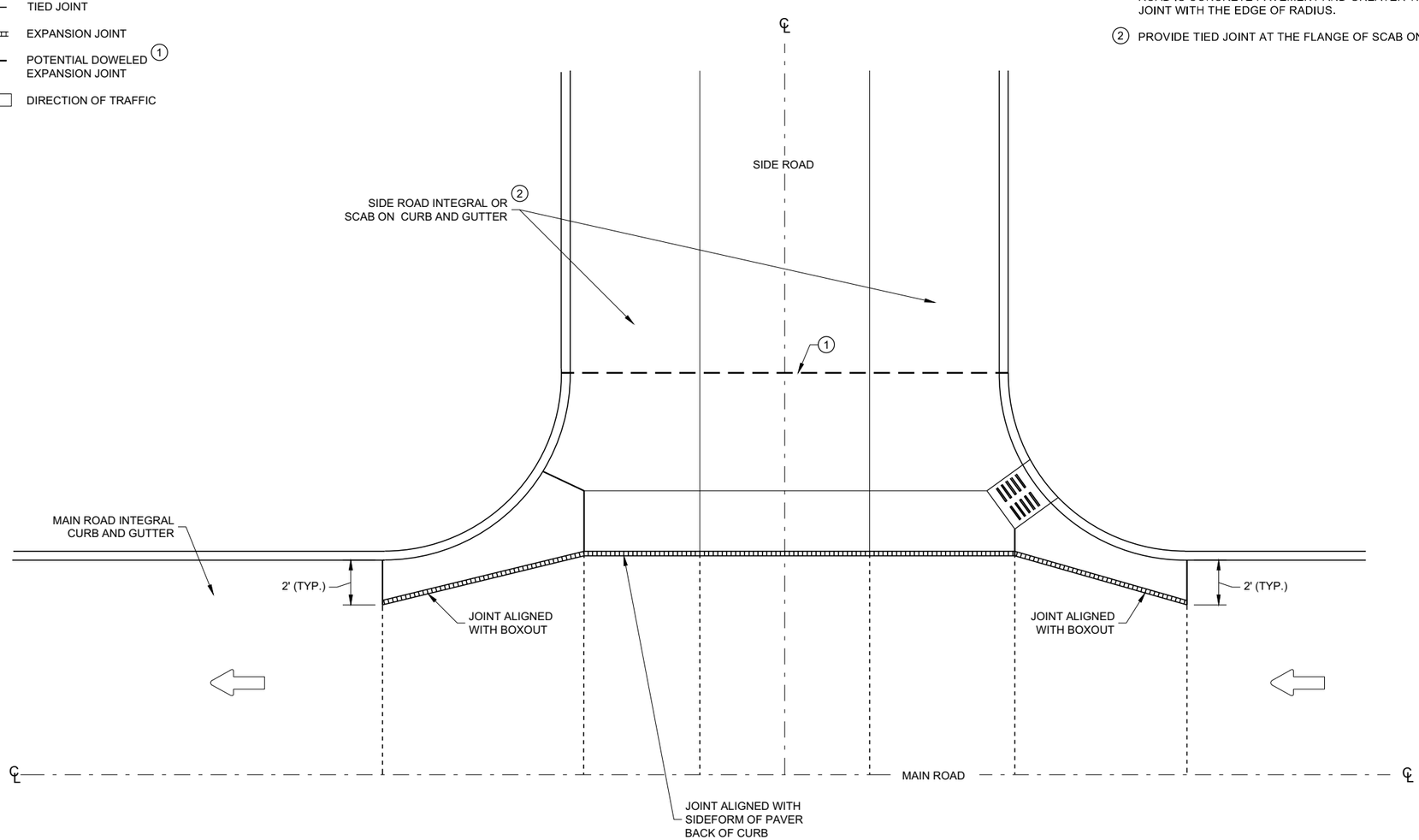
SDD 13C18 - 07e

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SDD 13C18 - 07e

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

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

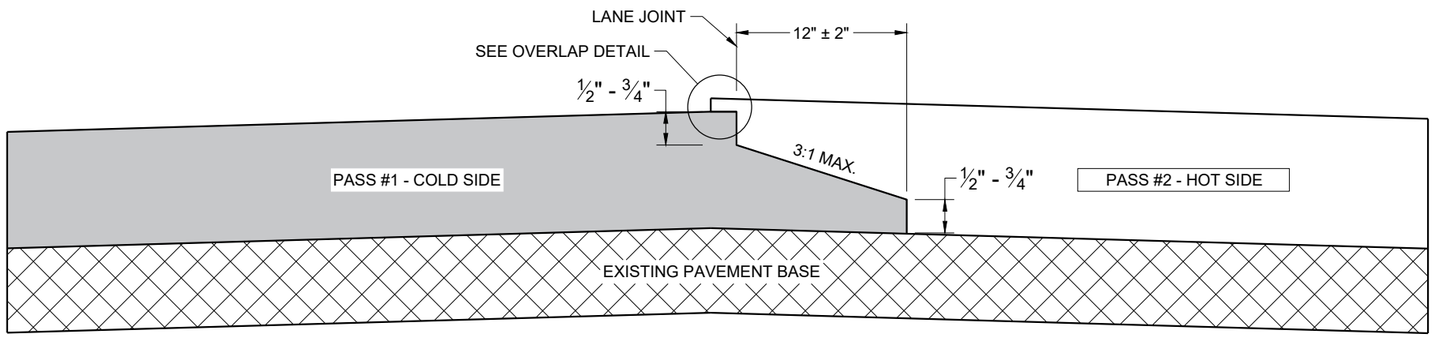
FHWA

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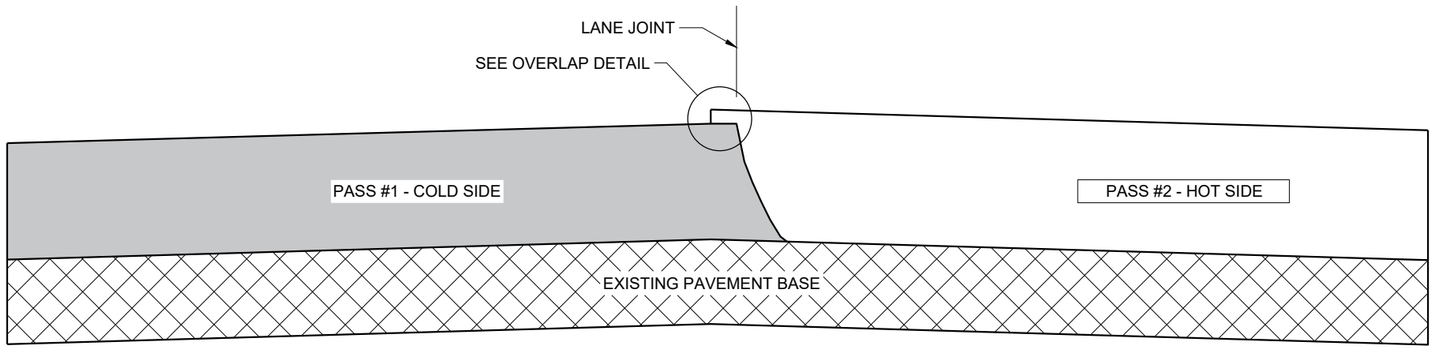
SDD 13C18 - 07f

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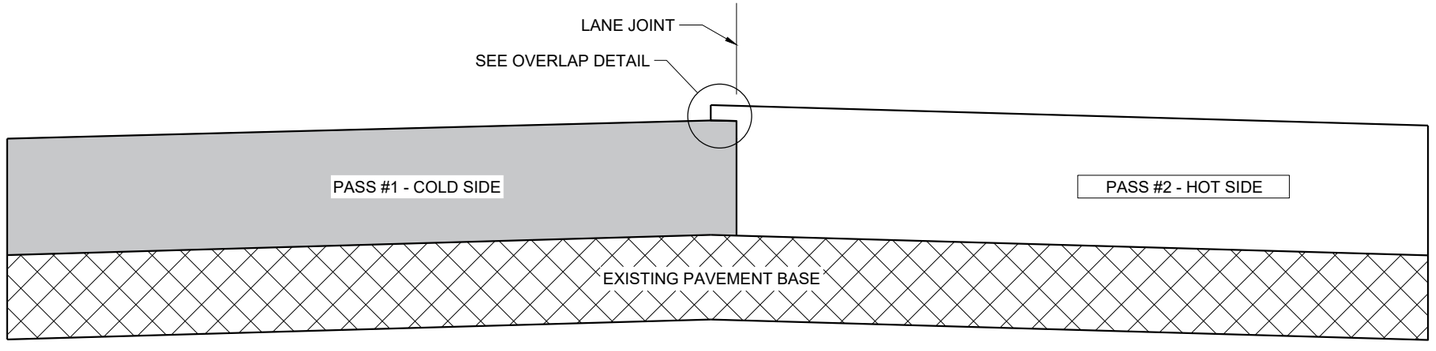
SDD 13C18 - 07f



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

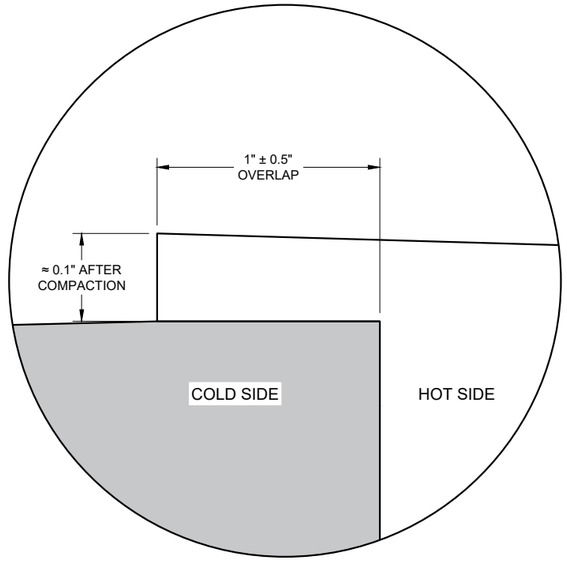
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

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

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

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

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



OVERLAP DETAIL (TYPICAL)

HMA LONGITUDINAL JOINTS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED November 2020 DATE	/S/ Steven Hefel HMA PAVEMENT ENGIN

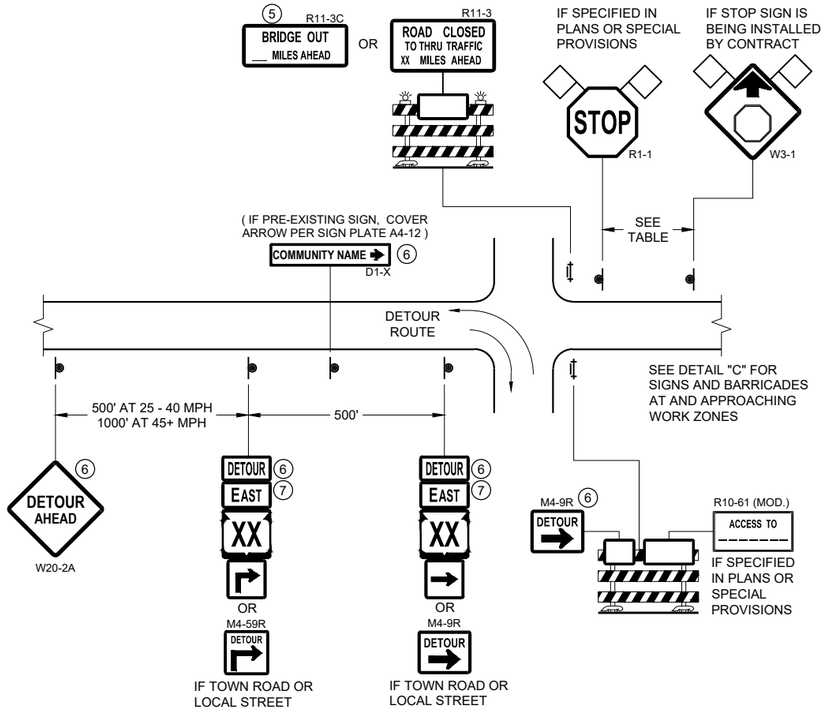
FHWA

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SDD 13C19 - 03

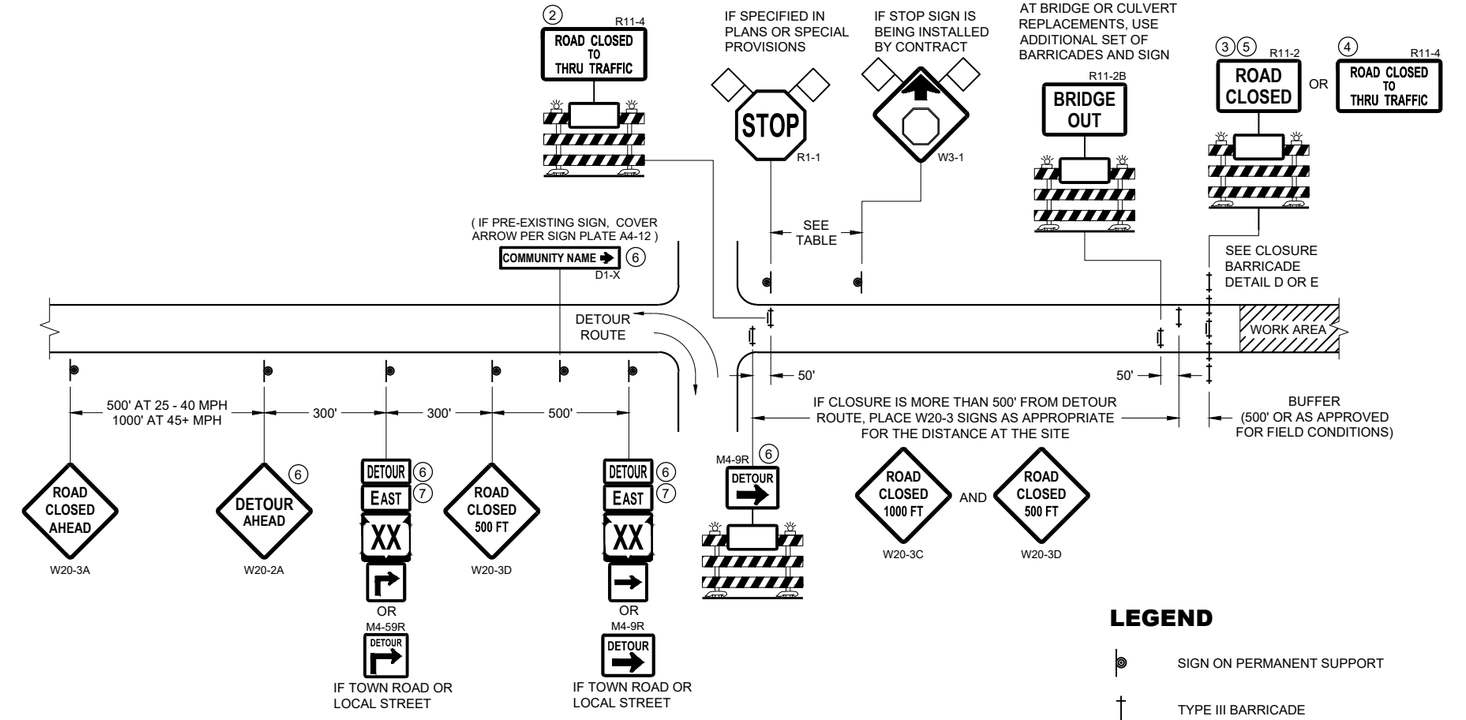
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SDD 13C19 - 03



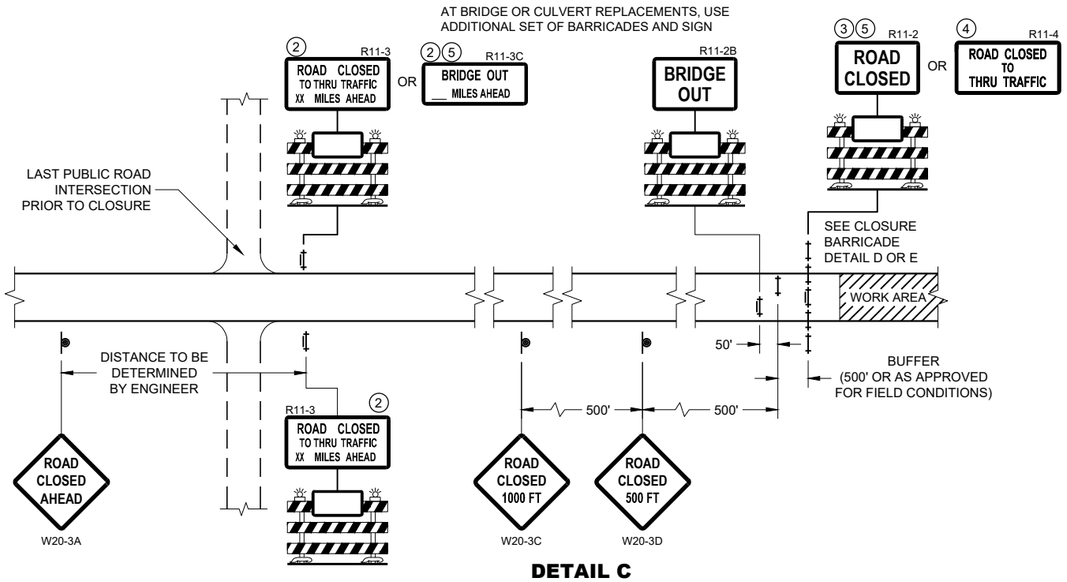
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

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

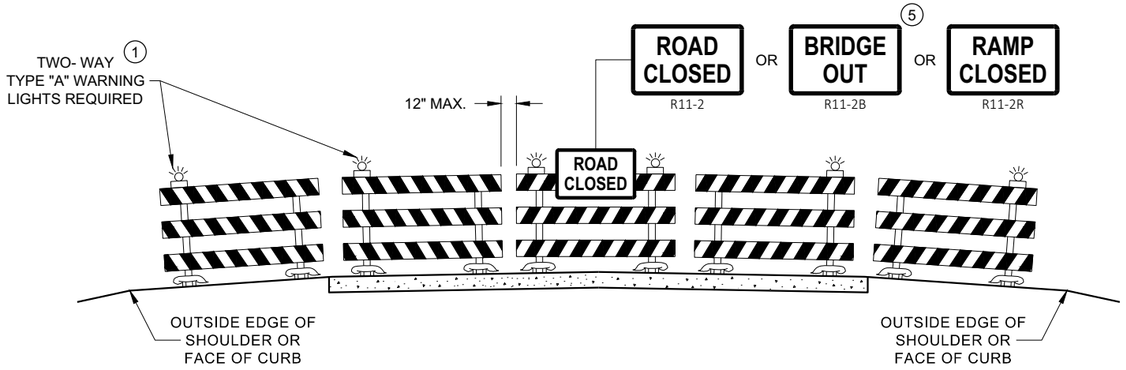
APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

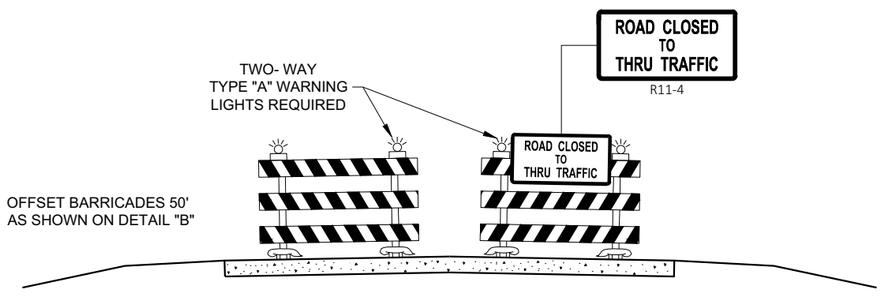
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SDD 15C02 - 08a

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

6

SDD 15C02 - 08b

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR / EAST — M4 - 8, M3 - X
- XX — M1 - 4
- XX — M1 - 6
- COUNTY / X — M1 - 5A
- M05 - 1
- M06 - 1
- 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.

M3-X 24" X 12"
M1-X 24" X 24"
DETOUR AHEAD
W20-2A
USE ON STATE TRUNK, U.S. OR INTERSTATE HIGHWAYS, OR AS SPECIFIED IN THE CONTRACT

500' AT 25-40 MPH
1000' AT 45+ MPH

500'

D1-X COMMUNITY NAME *
(IF PRE-EXISTING SIGN, COVER ARROW PER SIGN PLATE A4-12)

M4-8a END DETOUR WEST *

DETOUR ROUTE

WORK AREA

DETOUR NEXT X MILES *
G20-51

M4-9L DETOUR ** OR
IF TOWN ROAD OR LOCAL STREET

M4-59L DETOUR ** OR
IF TOWN ROAD OR LOCAL STREET

MATCH POINT

M4-59L DETOUR ** OR
IF TOWN ROAD OR LOCAL STREET

D1-X COMMUNITY NAME *
(IF PRE-EXISTING SIGN, COVER ARROW PER SIGN PLATE A4-12)

M4-9L DETOUR ** OR
IF TOWN ROAD OR LOCAL STREET

M4-9R DETOUR ** OR
IF TOWN ROAD OR LOCAL STREET

M4-59R DETOUR ** OR
IF TOWN ROAD OR LOCAL STREET

500' AT 25 - 40 MPH
1000' AT 45+ MPH

500'

M3-X 24" X 12"
M1-X 24" X 24"
DETOUR AHEAD
W20-2A
USE ON STATE TRUNK, U.S. OR INTERSTATE HIGHWAYS, OR AS SPECIFIED IN THE CONTRACT

D1-X COMMUNITY NAME *
(IF PRE-EXISTING SIGN, COVER ARROW PER SIGN PLATE A4-12)

DETOUR ROUTE

D1-X COMMUNITY NAME *
(IF PRE-EXISTING SIGN, COVER ARROW PER SIGN PLATE A4-12)

PLACE SIGNS BEYOND INTERSECTIONS WITH STATE OR COUNTY TRUNK HIGHWAYS OR AT 4 MILE MAXIMUM SPACING (4 BLOCKS IF URBAN AREA)

500' AT 25 - 40 MPH
1000' AT 45+ MPH

M3-X 24" X 12"
M1-X 24" X 24"
DETOUR AHEAD
W20-2A
USE ON STATE TRUNK, U.S. OR INTERSTATE HIGHWAYS, OR AS SPECIFIED IN THE CONTRACT

SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD SHEET 15C02 - SHEET "a"

DETAIL F
DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

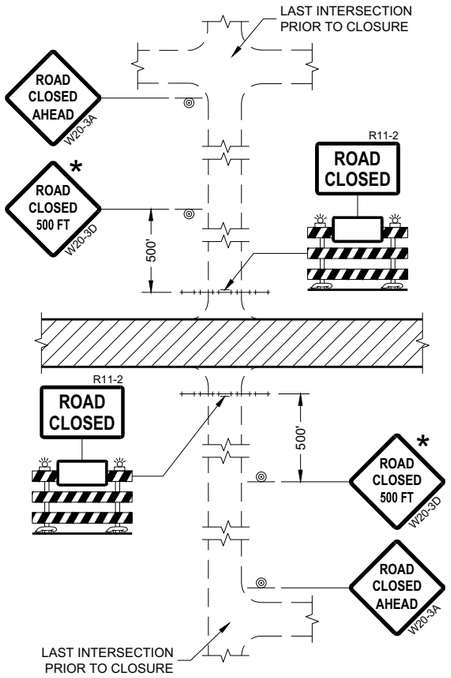
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

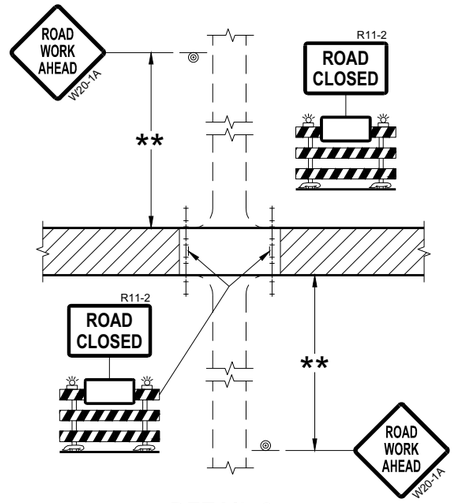
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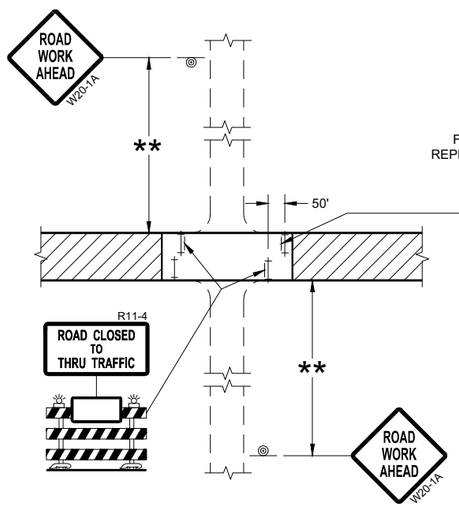
SDD 15C02 - 08c



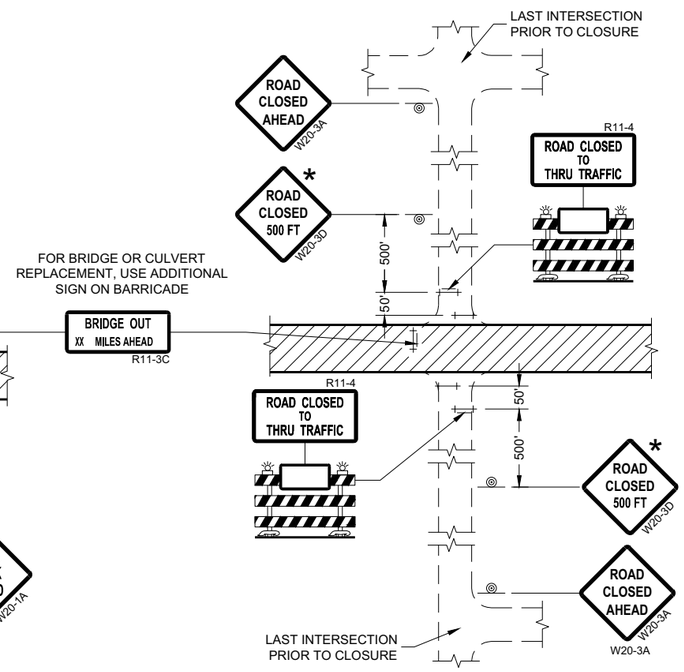
DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT)



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)



DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

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

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

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

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

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

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

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.

** 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15C03 - 05

6

SDD 15C03 - 05

GENERAL NOTES

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

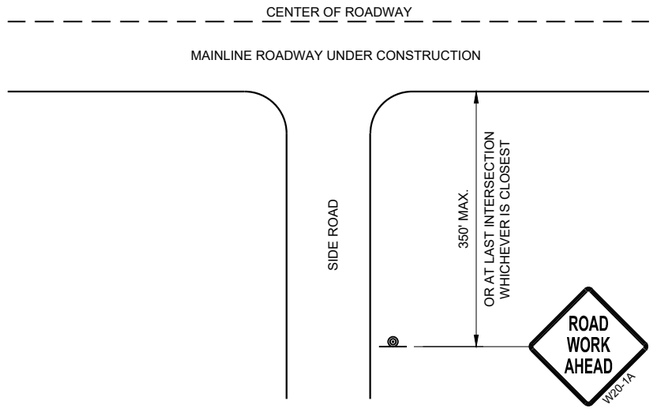
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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.



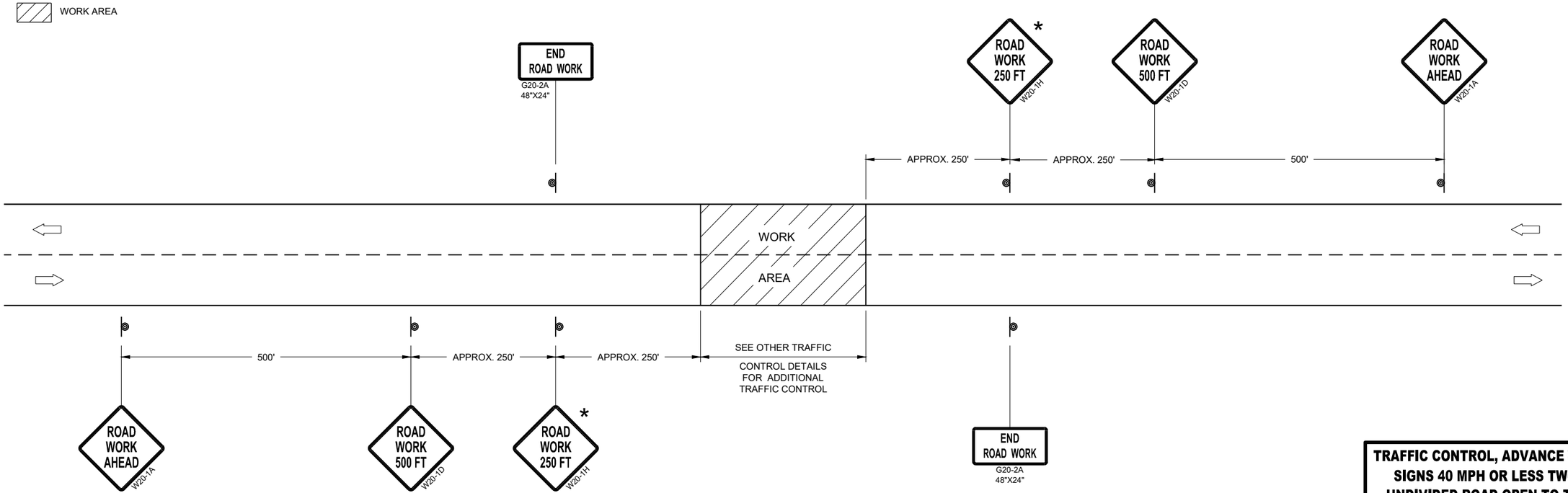
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

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

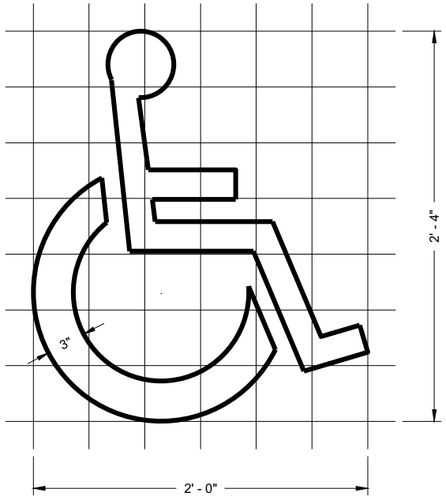
FHWA

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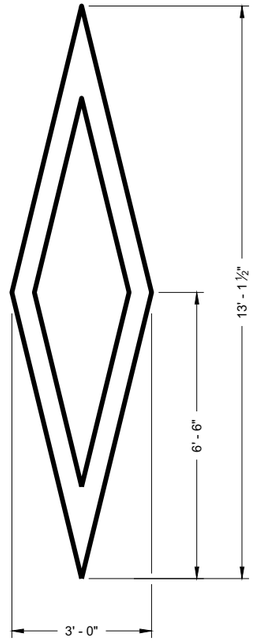
SDD 15C05 - 05

GENERAL NOTES

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



HANDICAP SYMBOL



PREFERENTIAL LANE SYMBOL

6

6

SDD 15C07 - 15a

SDD 15C07 - 15a

PAVEMENT MARKING SYMBOLS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

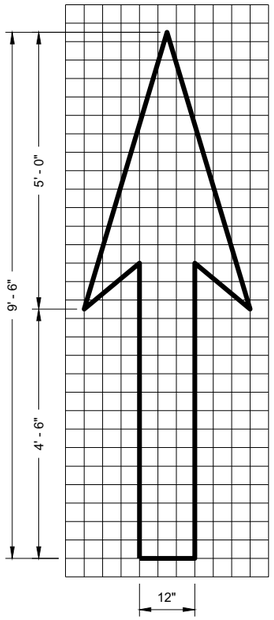
APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAR ENGINEER

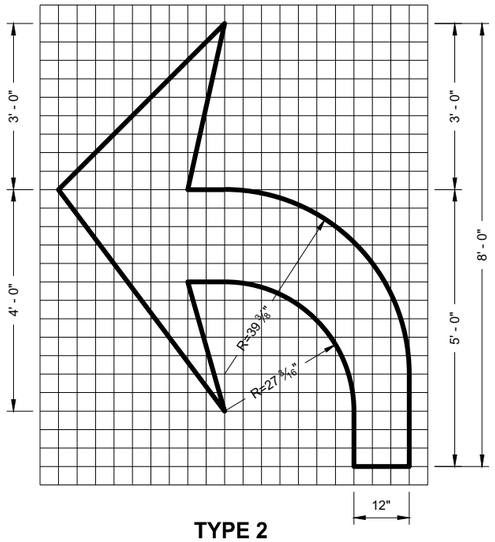
FHWA

GENERAL NOTES

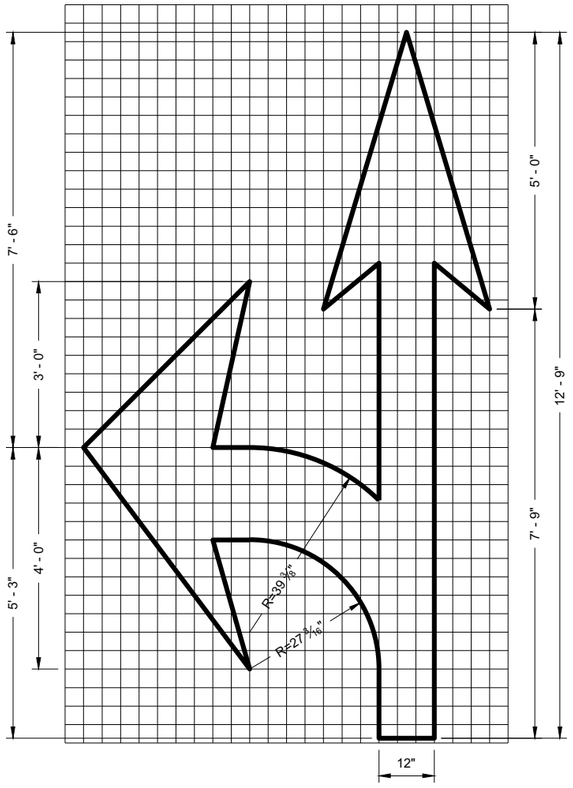
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



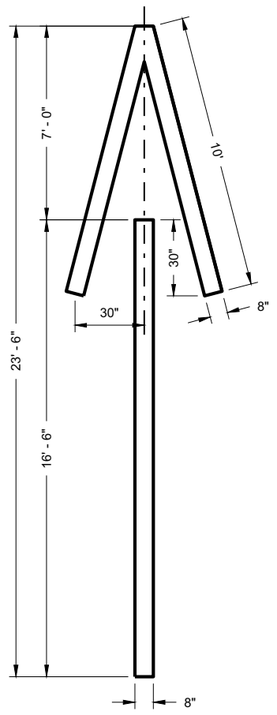
TYPE 1



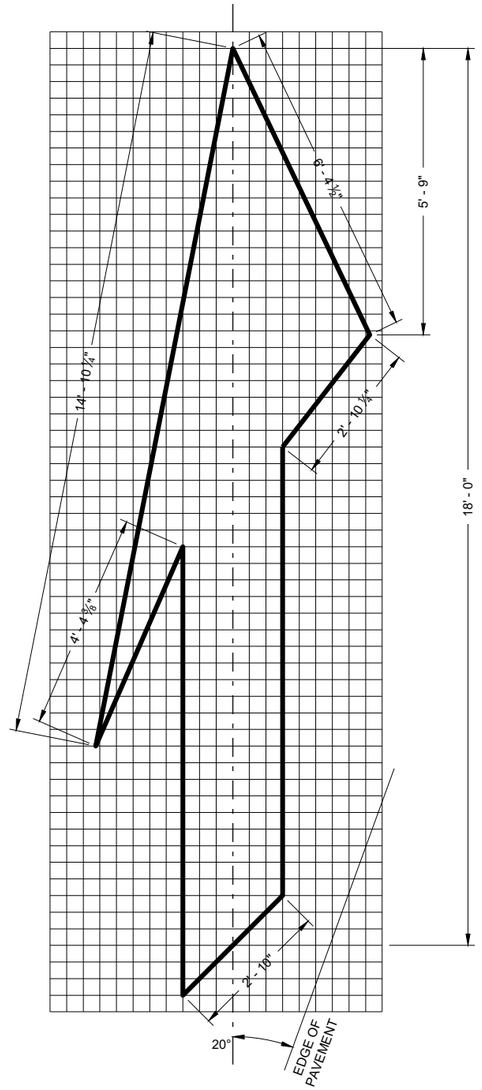
TYPE 2



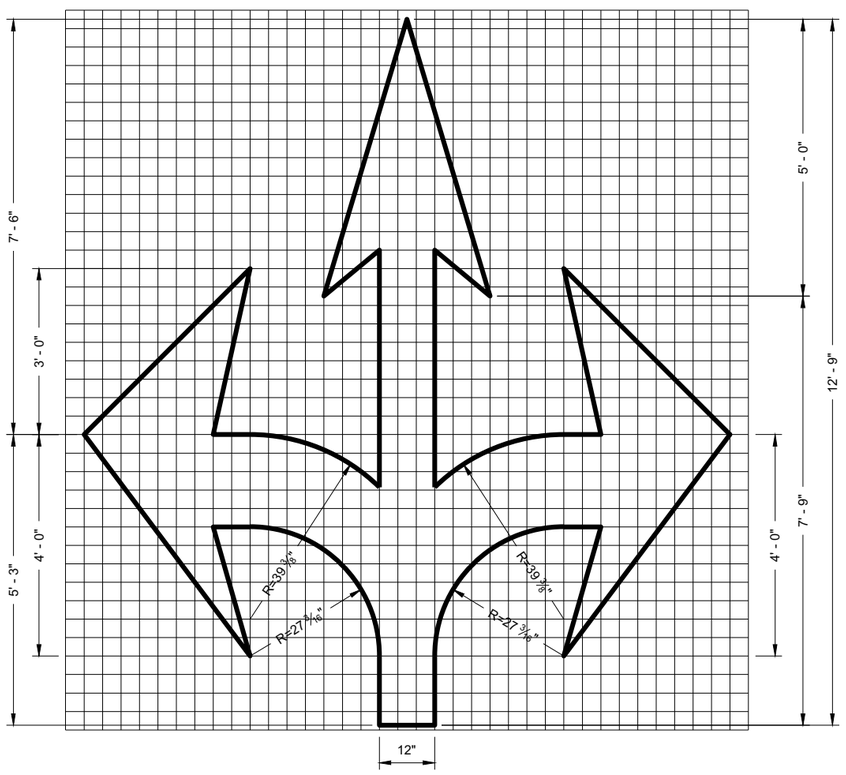
TYPE 3



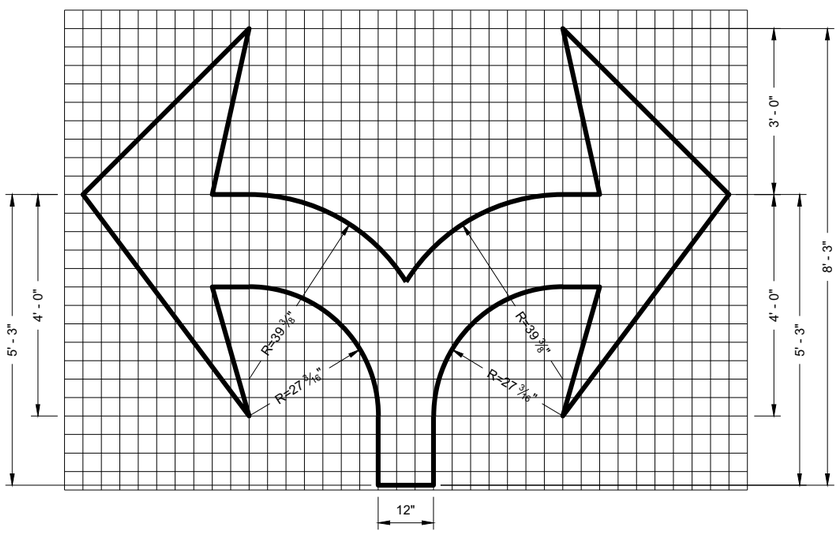
TYPE 4



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

FHWA

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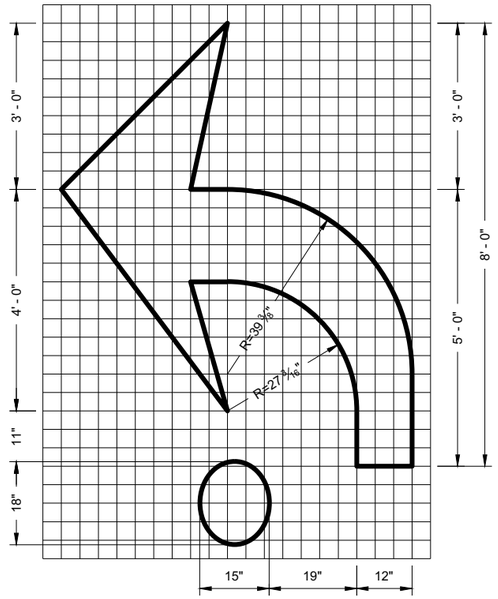
SDD 15C07 - 15c

6

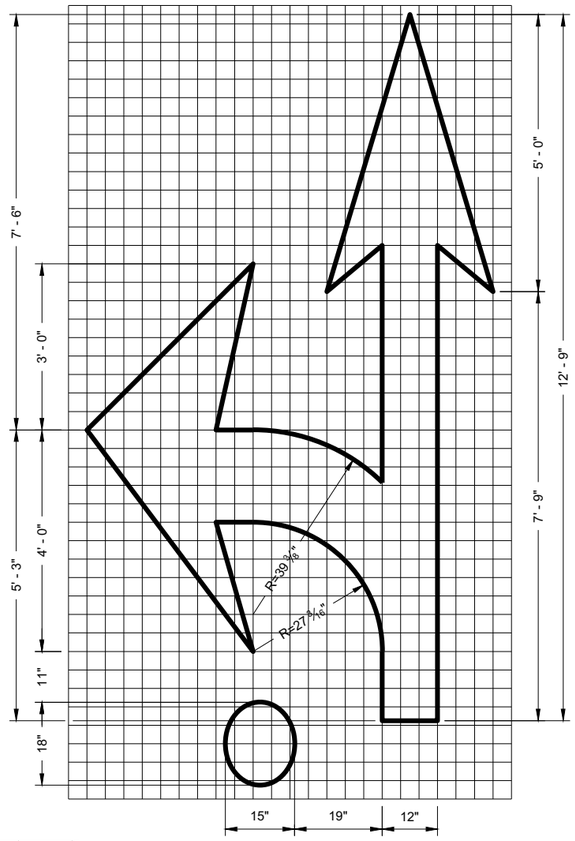
SDD 15C07 - 15c

GENERAL NOTES

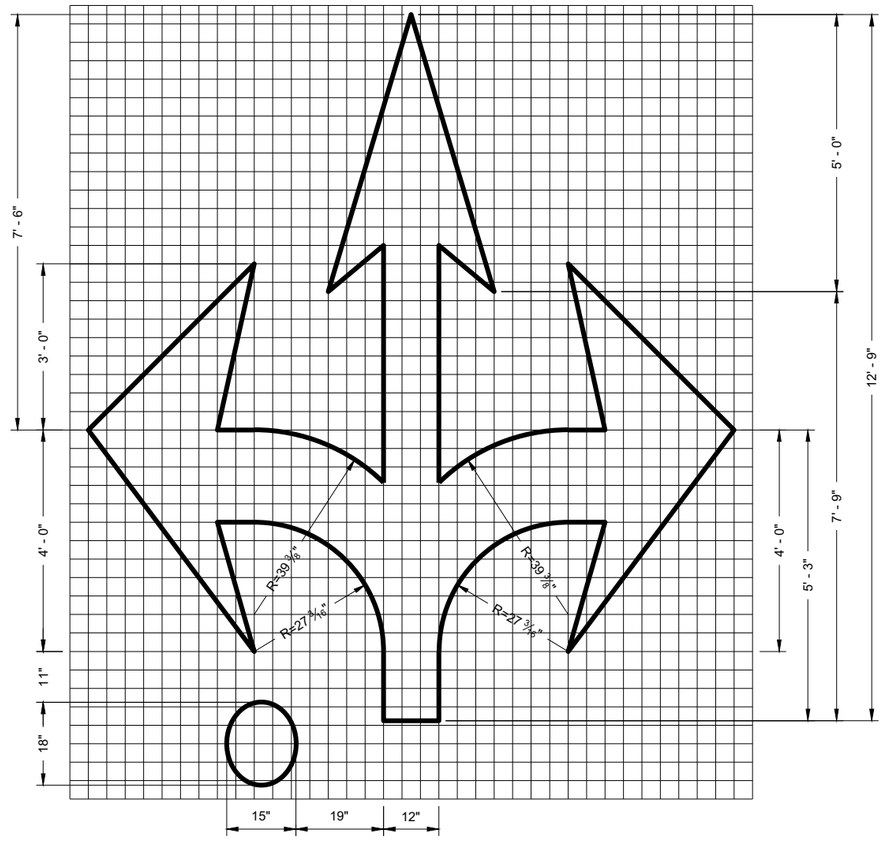
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



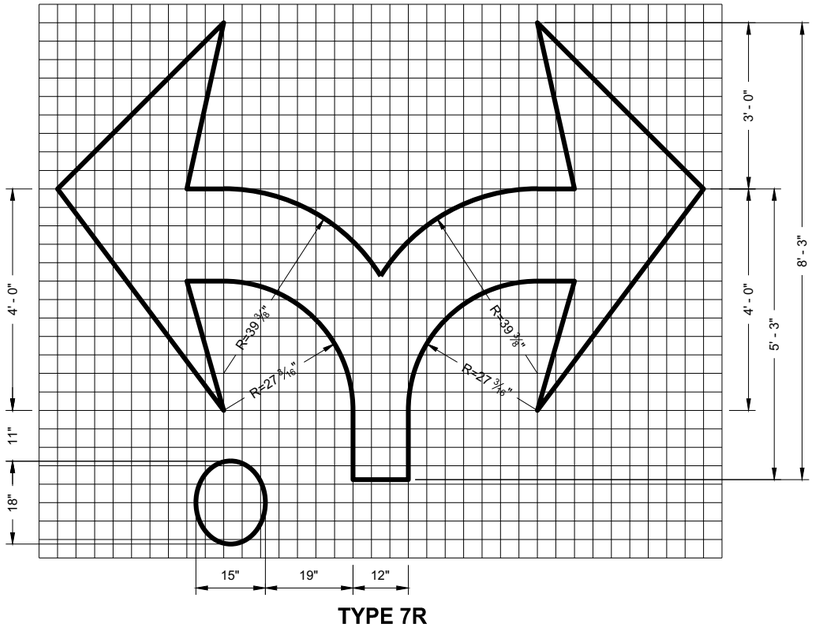
TYPE 2R



TYPE 3R



TYPE 6R



TYPE 7R

ROUNDABOUT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

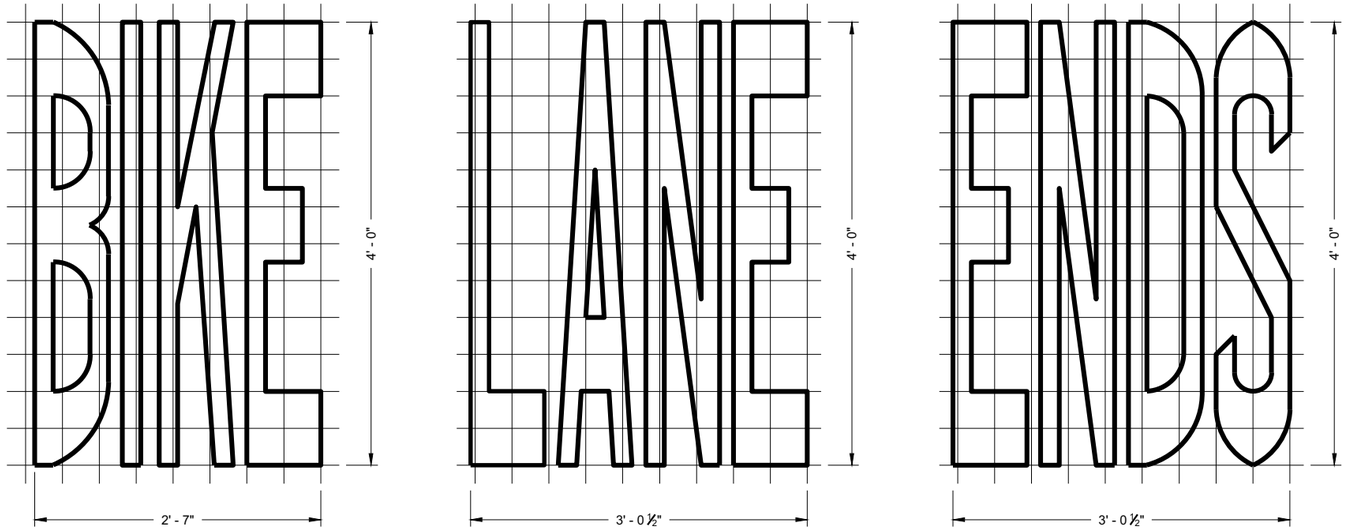
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SDD 15C07 - 15d

6

SDD15C07 - 15d

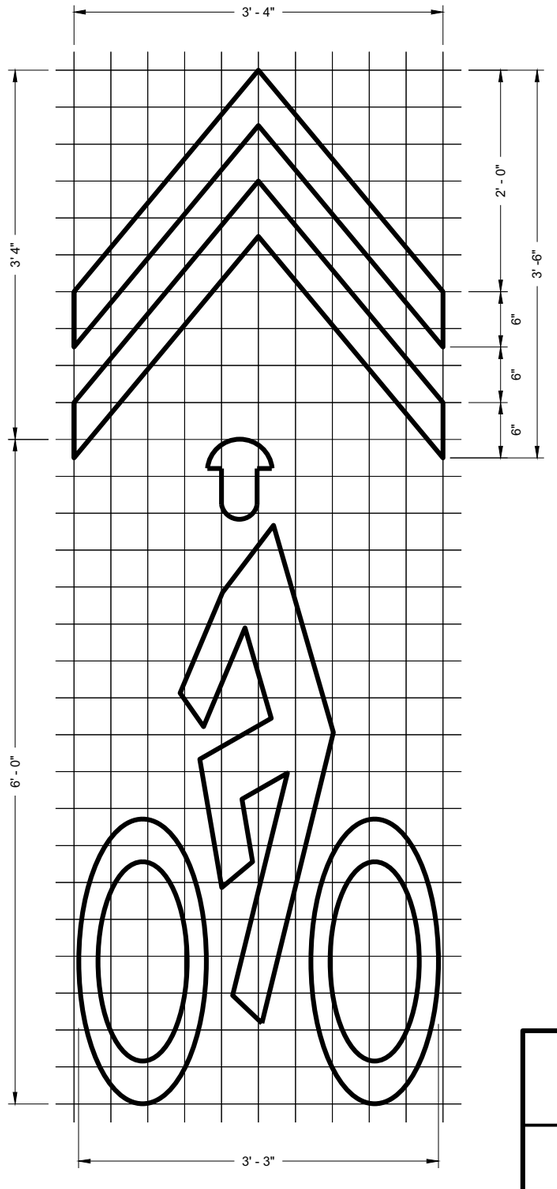
SDD 15C7-e Pavement Marking For Bike Lanes



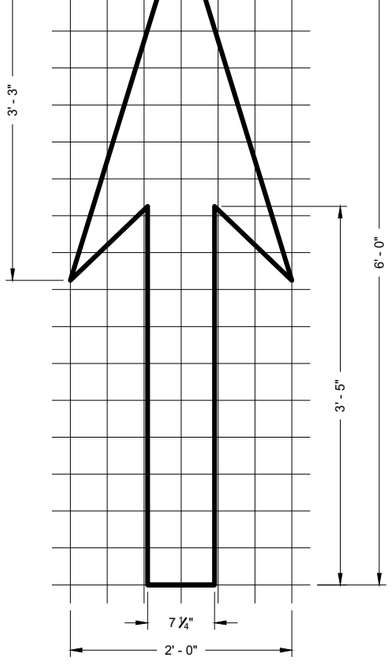
BIKE LANE WORDS

GENERAL NOTES

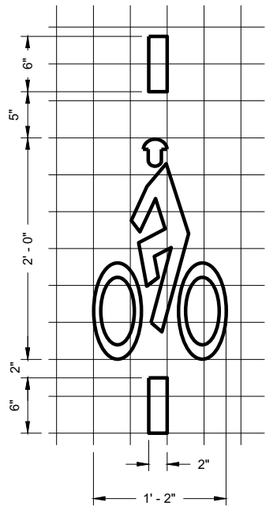
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



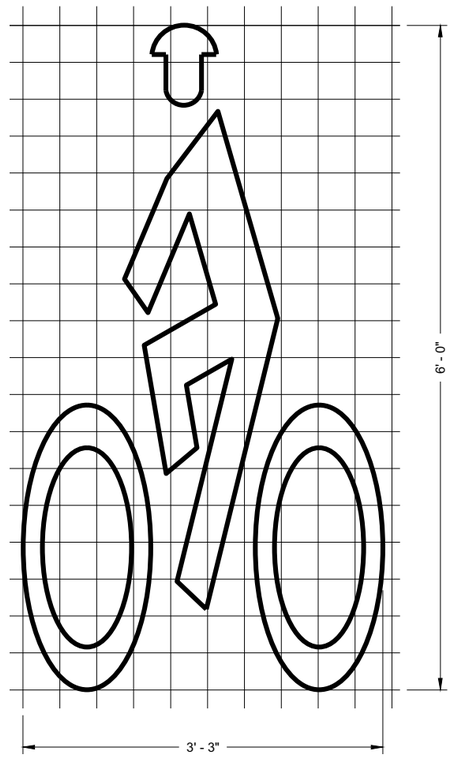
BIKE LANE SYMBOL FOR SHARED LANE



BIKE LANE ARROW



BICYCLE DETECTOR PAVEMENT MARKING



BIKE LANE SYMBOL

PAVEMENT MARKING FOR BIKE LANES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

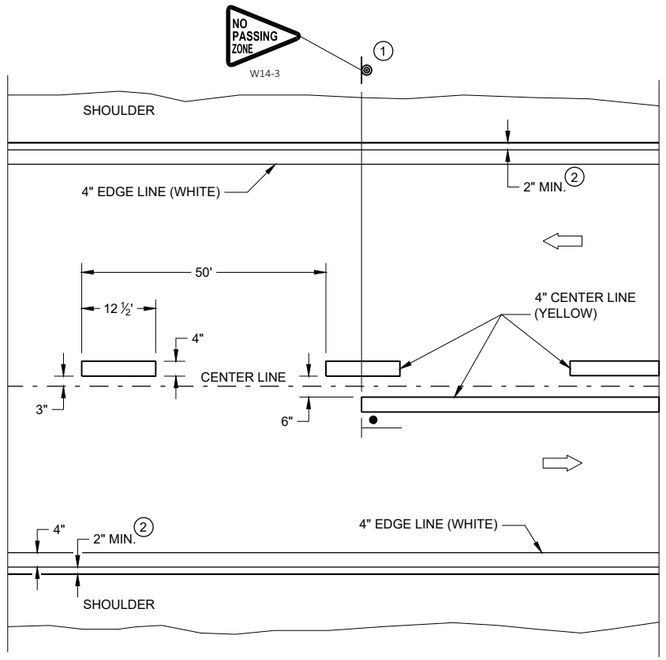
FHWA

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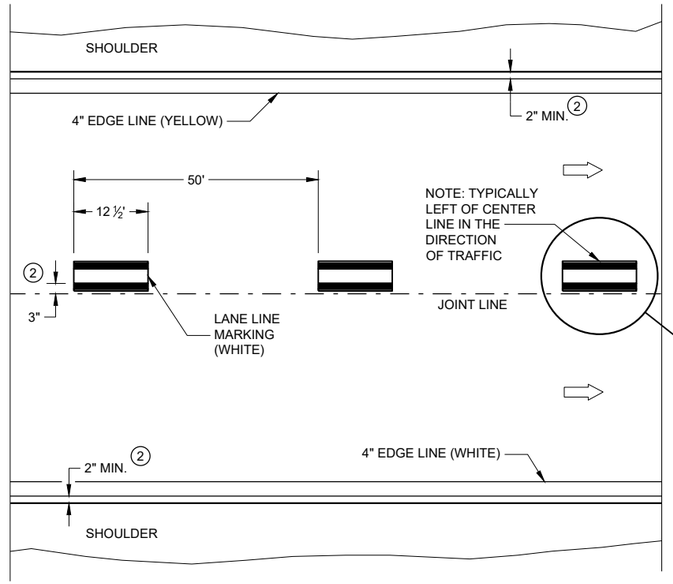
SDD 15C07 - 15e

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SDD15C07 - 15e

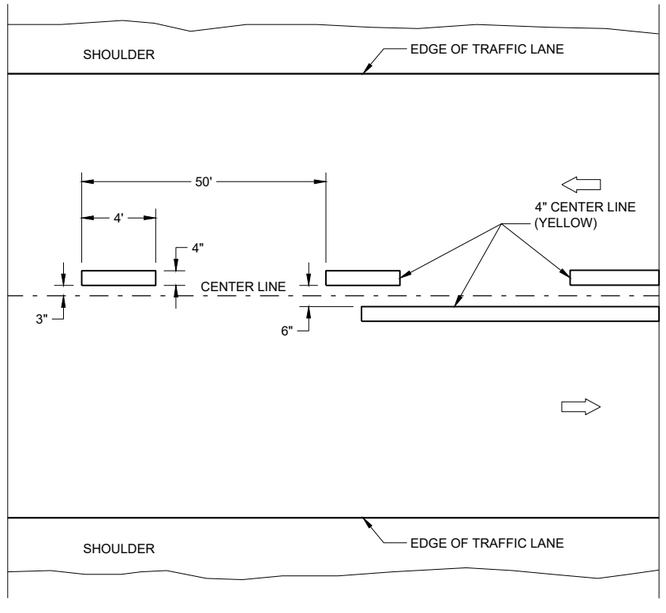


TWO WAY TRAFFIC

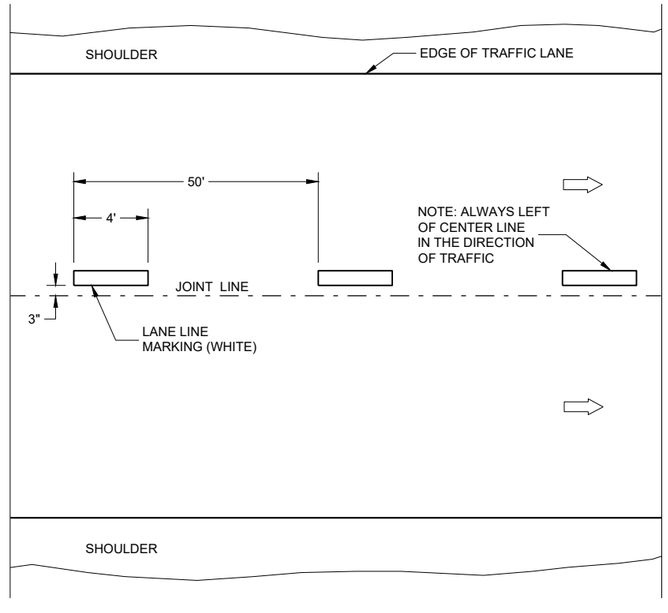


ONE WAY TRAFFIC

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.

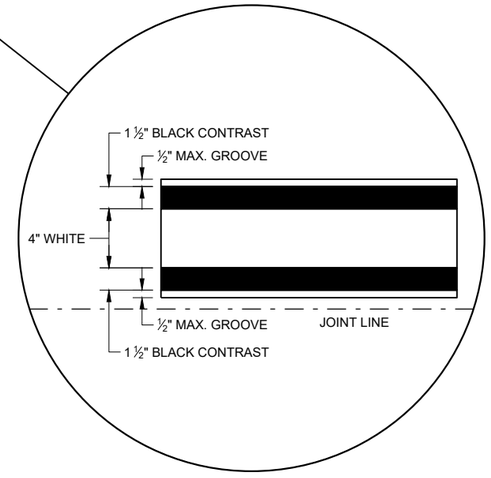
1. LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING
2. MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

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

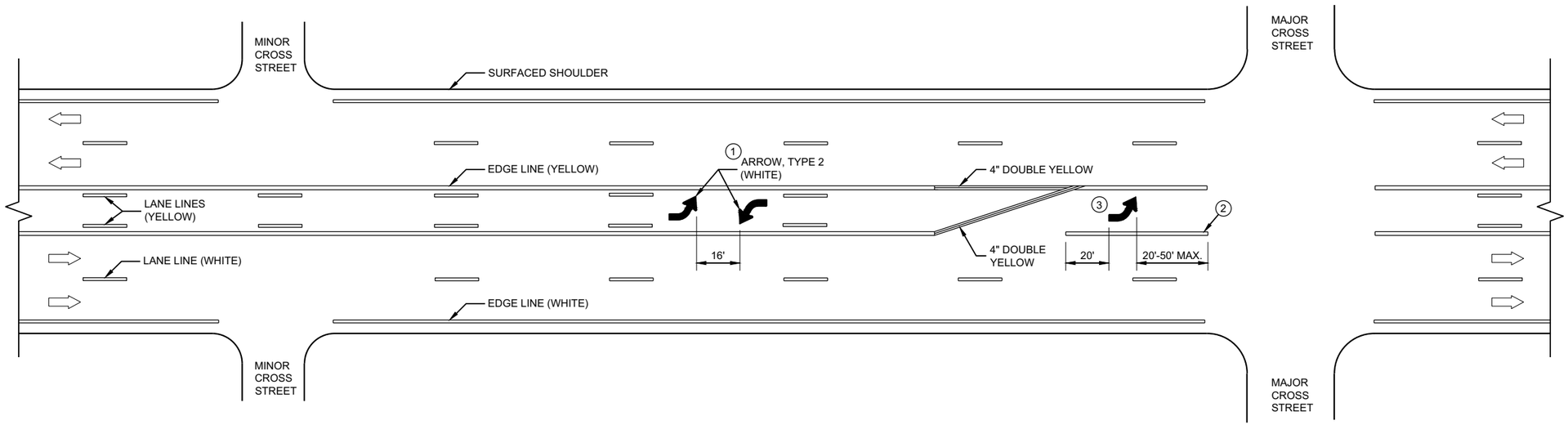
SDD 15C08 - 20a

6

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

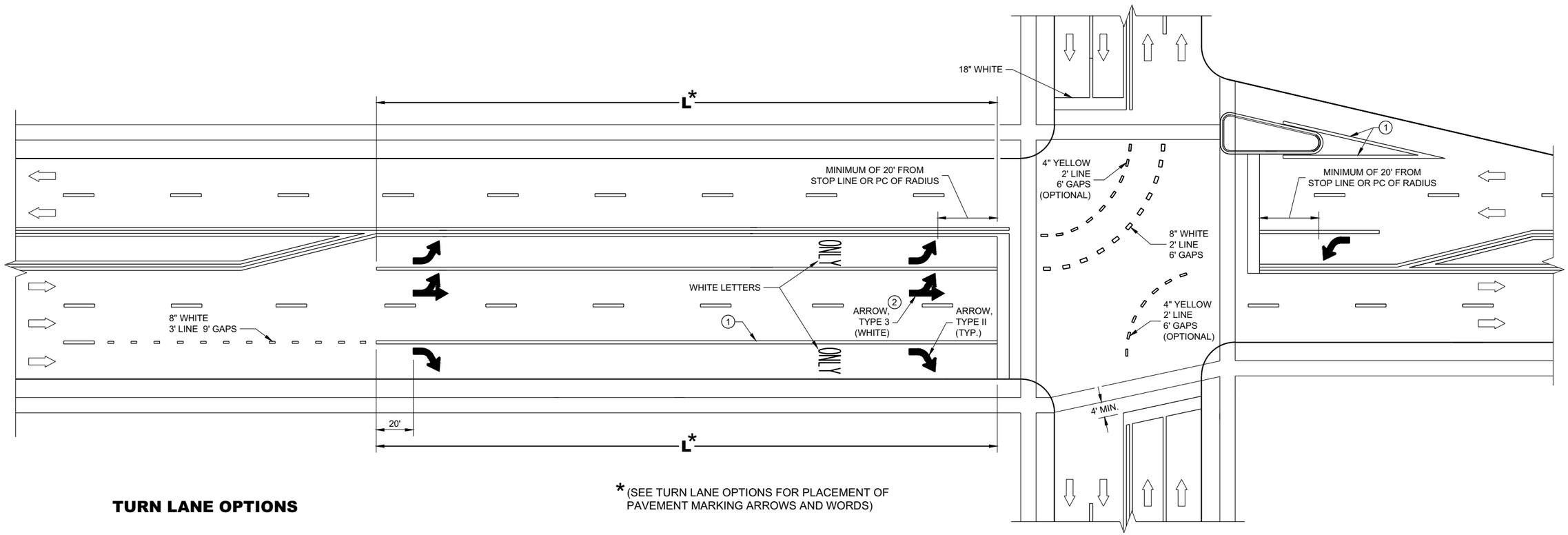
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SDD 15C08 - 20b

SDD 15C08 - 20b

PAVEMENT MARKING (TURN LANES)

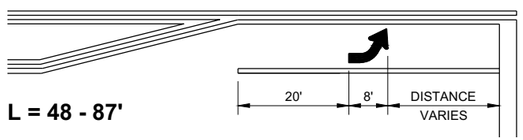
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



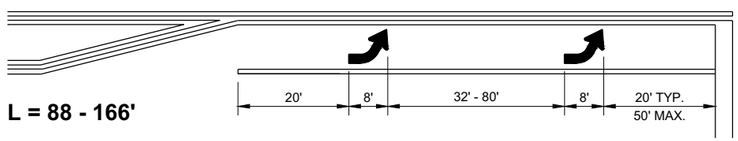
* (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

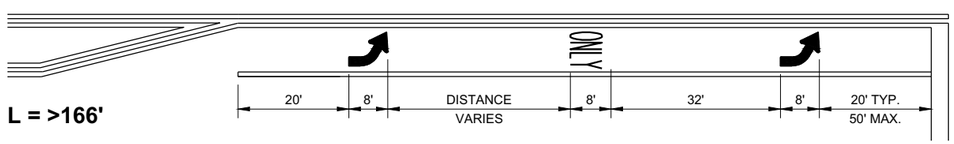
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



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

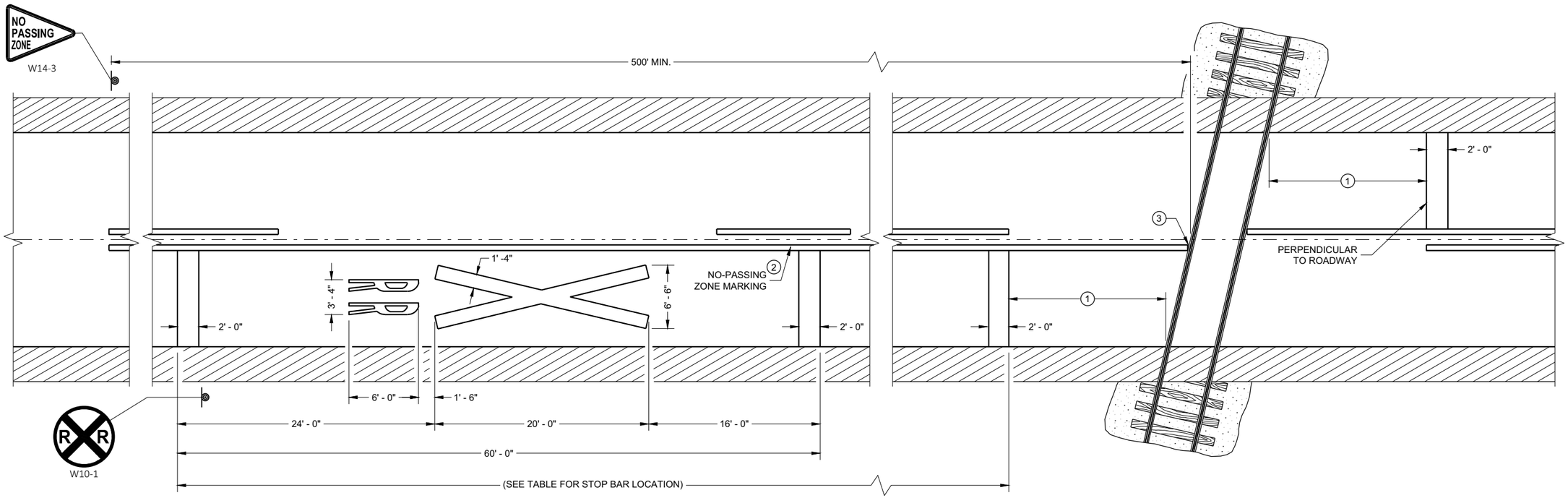
L = LENGTH OF TURN BAY

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 15C08 - 20c

6
SDD 15C08 - 20c



PAVEMENT MARKING

LEGEND

SIGN ON PERMANENT SUPPORT

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.

ON MULTI-LANE ROADS THE TRANSVERSE BANDS SHOULD EXTEND ACROSS ALL APPROACH LANES, AND INDIVIDUAL R X R SYMBOLS SHOULD BE USED IN EACH APPROACH LANE.

CENTER OR LANE LINES AND NO-PASSING ZONE MARKINGS SHOWN ON THIS DRAWING ARE REQUIRED AND PAID FOR UNDER OTHER ITEMS IN THE CONTRACT.

TRACE EXISTING SYMBOL WHERE EXISTING SYMBOLS ARE PLACED.

(1) MINIMUM 8' FROM ANY RAILROAD WARNING DEVICES (SIGNAL , GATES, ETC.) OR 25' FROM THE NEAREST RAIL, WHICHEVER DISTANCE IS GREATER.

(2) 500' MINIMUM. MARKING LIMITS MAY BE EXTENDED AS DIRECTED BY THE ENGINEER TO MEET ADJACENT NO-PASSING ZONE MARKINGS.

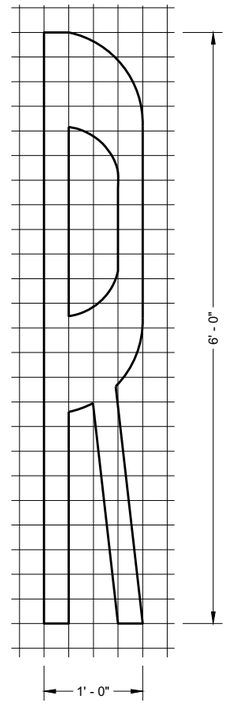
(3) FOR MULTIPLE TRACK CROSSINGS, THE BARRIER LINE SHALL EXTEND TO THE NEAR RAIL OF THE FURTHEST TRACK IN THE DIRECTION OF HIGHWAY TRAVEL.

DISTANCE TABLE

TABLE BASED UPON 2C-4 WISCONSIN SUPPLEMENT OF MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

POSTED SPEED (M.P.H.)	DIMENSION RANGE (FEET)
25	150* - 250'
30	200* - 300'
35	250* - 450'
40	300* - 500'
45	400* - 650'
50	550* - 800'
55	750* - 1000'
60	1000* - 1250'
65	1000* - 1250'

* THE MINIMUM DISTANCES IN THE TABLE ARE DESIRABLE AND SHOULD BE USED. THE DISTANCES MAY BE INCREASED UP TO THE MAXIMUM TO ALLOW FOR FIELD CONDITIONS SUCH AS THE CLOSED PROXIMITY OF DRIVEWAYS, BRIDGES, SIDE ROADS OR OTHER FEATURES THAT WOULD PROHIBIT THE MINIMUM DISTANCES FROM BEING USED.



SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD - HIGHWAY GRADE CROSSINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

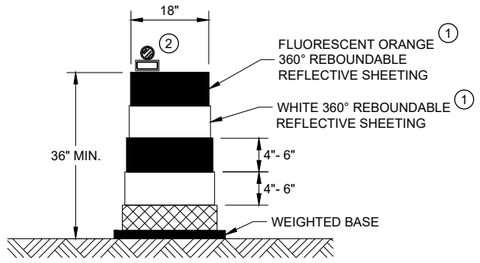
SDD 15C09 - 12a

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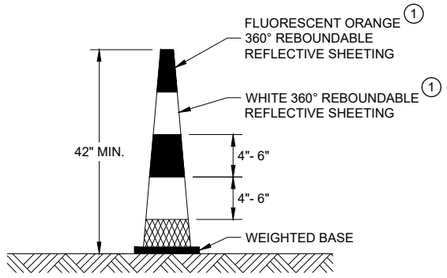
SDD15C09 - 12a

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.

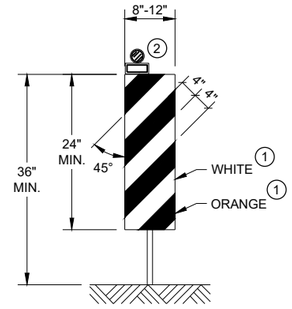


DRUM



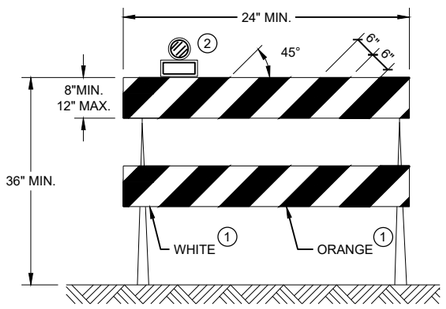
42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS



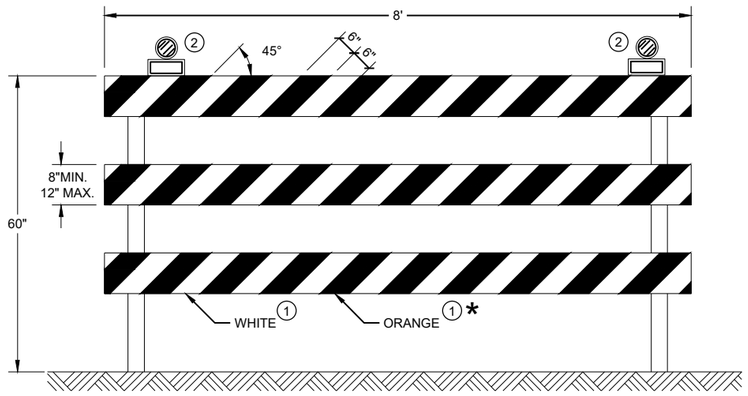
VERTICAL PANEL

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

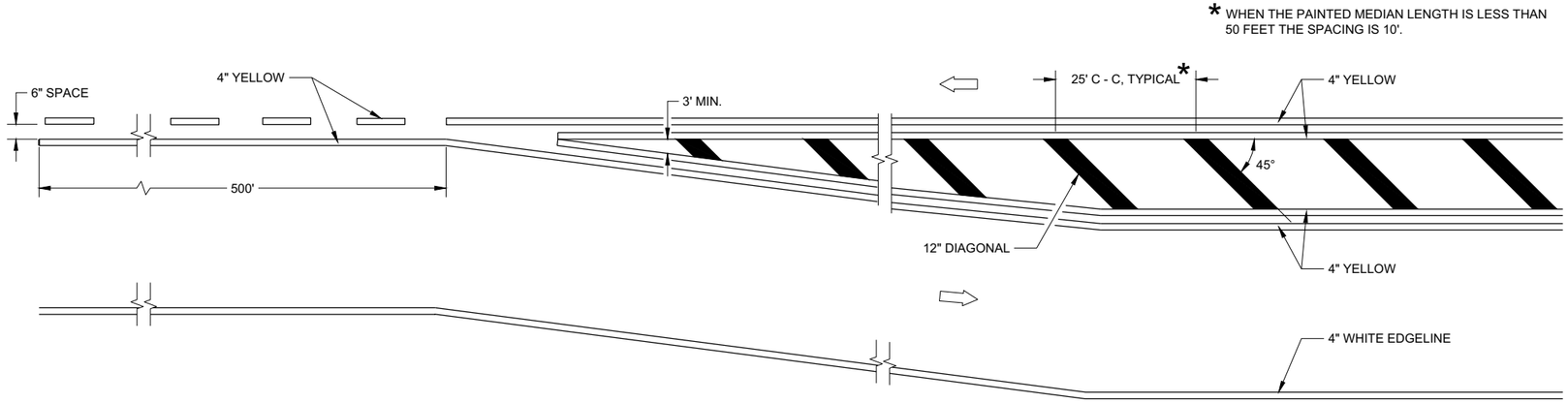
FHWA

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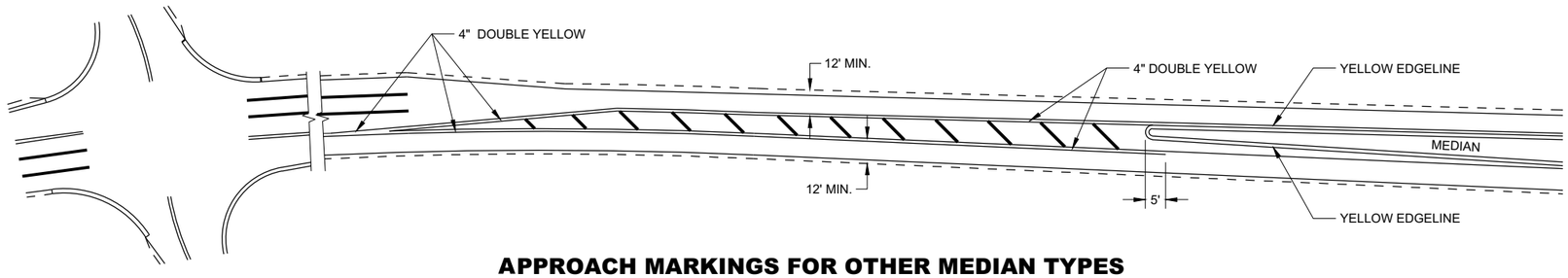
SDD 15C11 - 09b

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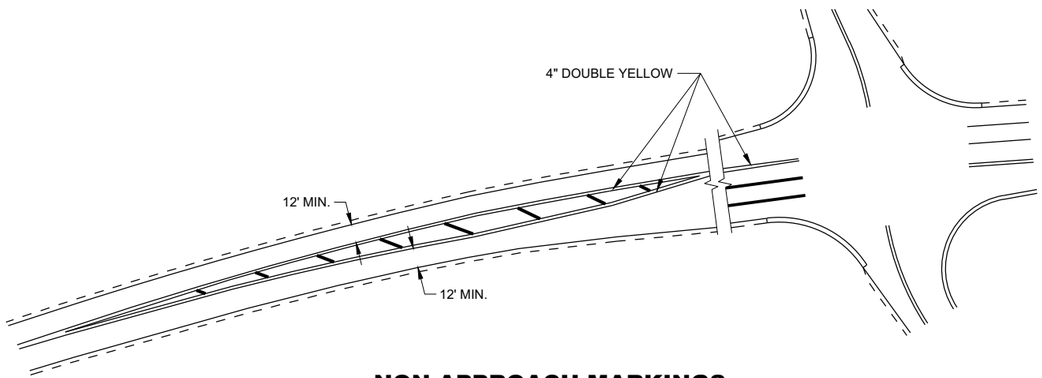
SDD 15C11 - 09b



MEDIAN ISLAND DETAIL



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON-APPROACH MARKINGS

GENERAL NOTES

DIAGONALS ARE OPTIONAL WHEN PAINED ISLAND IS LESS THAN 6 FEET AT WIDEST POINT.

DIRECTION OF TRAVEL

MEDIAN ISLAND PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

February 2021
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAF ENGINEER

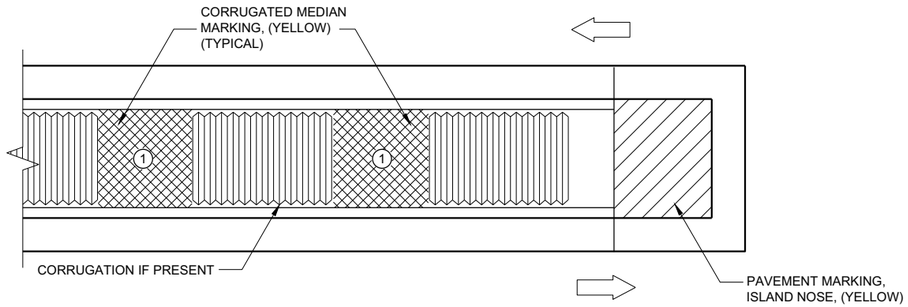
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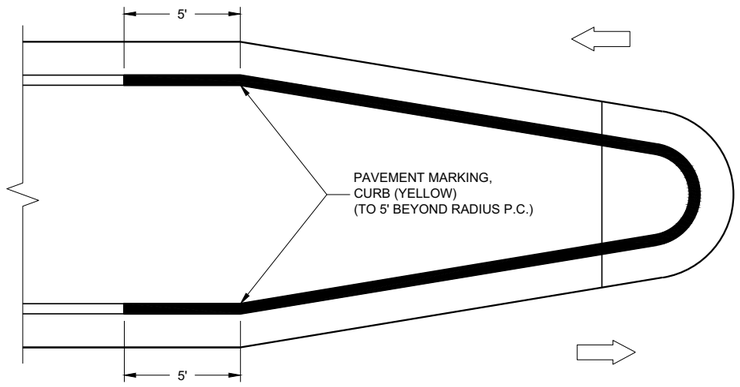
SDD 15C18 - 05a

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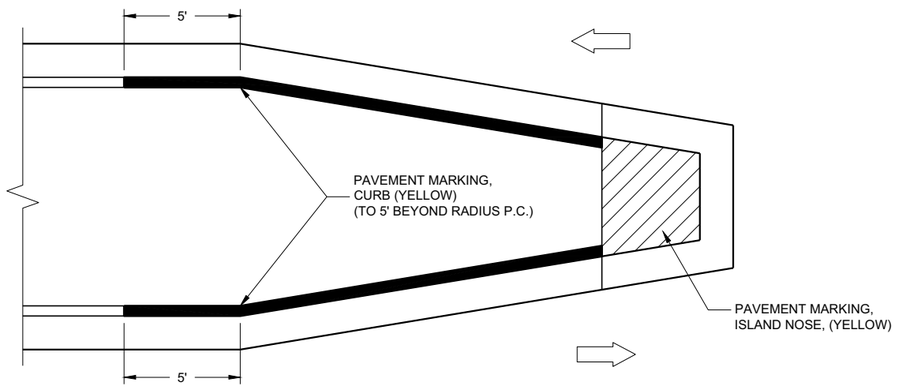
SDD 15C18 - 05a



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
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February 2021
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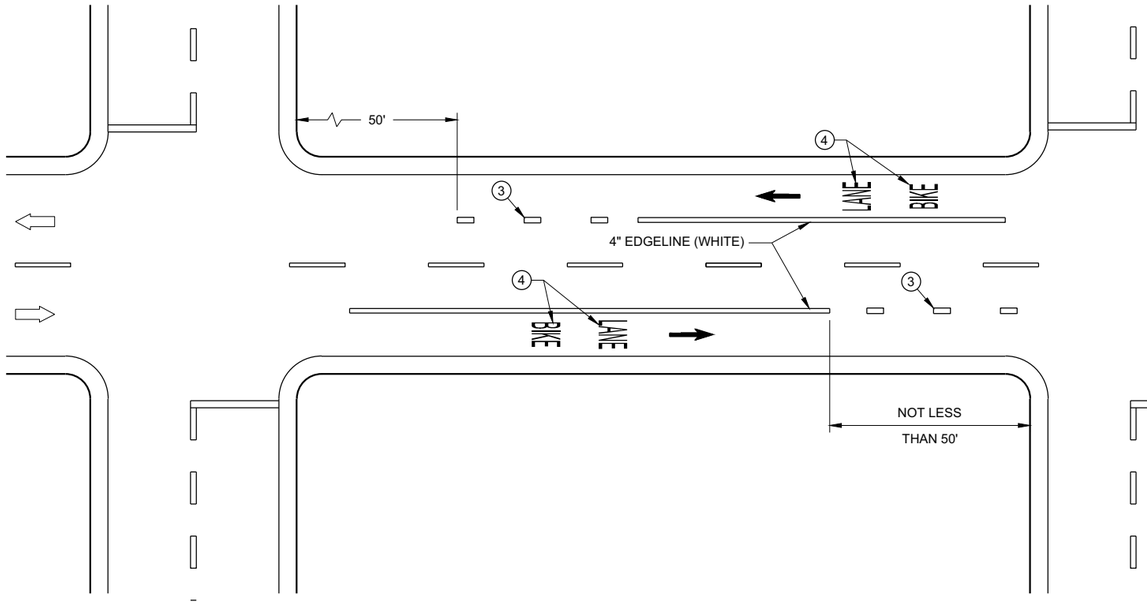
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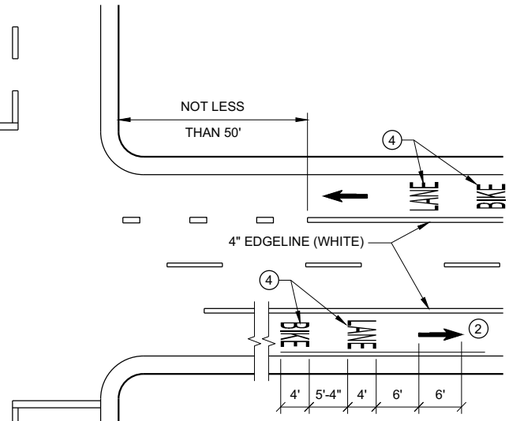
SDD 15C18 - 05b

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SDD15C18 - 05b



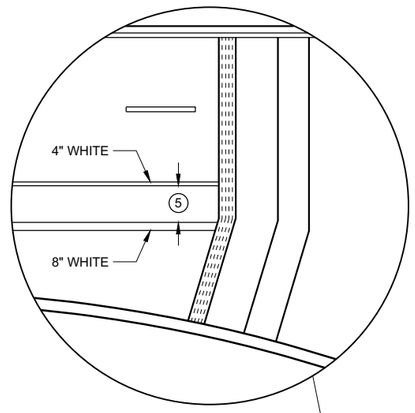
DESIGNATED BIKE LANE - NO PARKING



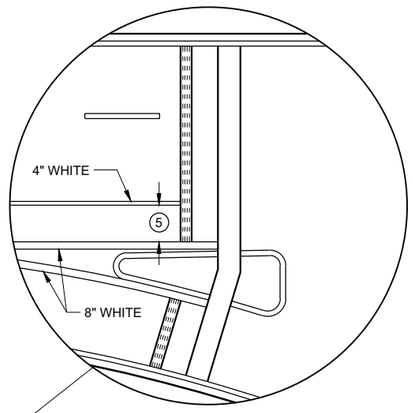
GENERAL NOTES

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.

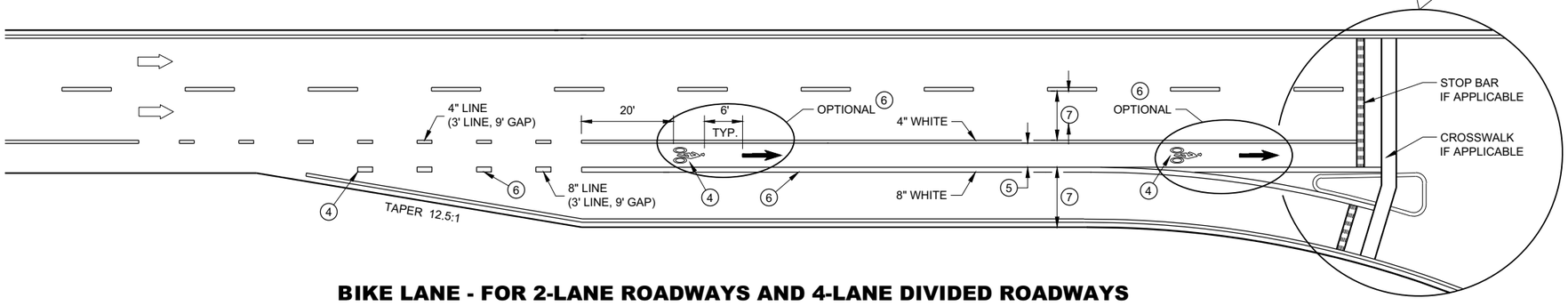
DIRECTION OF TRAVEL



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

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DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MAF ENGINEER

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SDD 15C29 - 07a

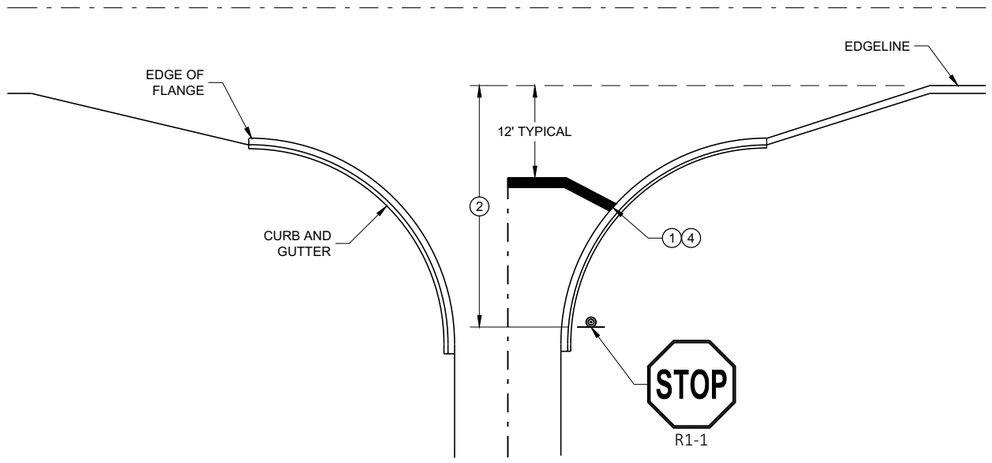
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SDD 15C29 - 07a

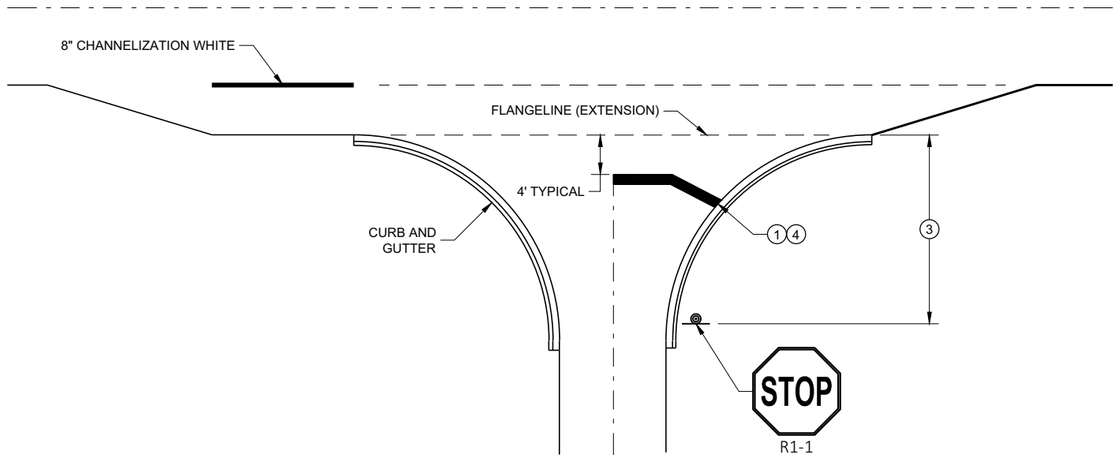
GENERAL NOTES

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

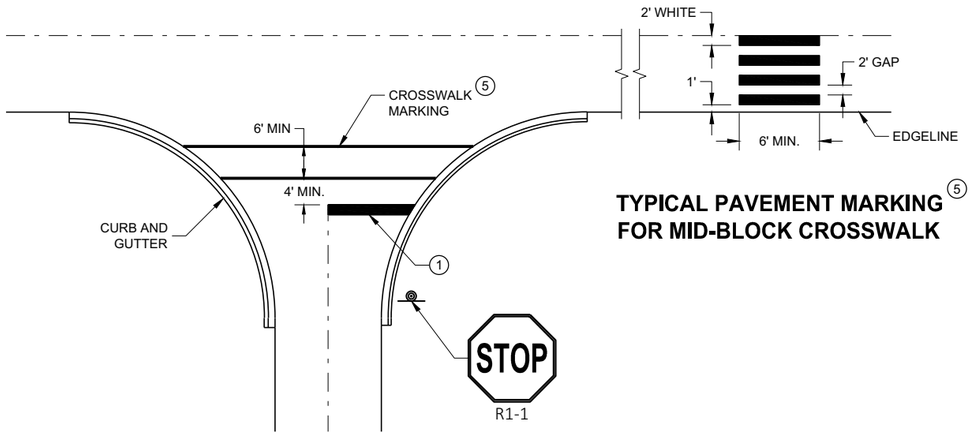
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE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

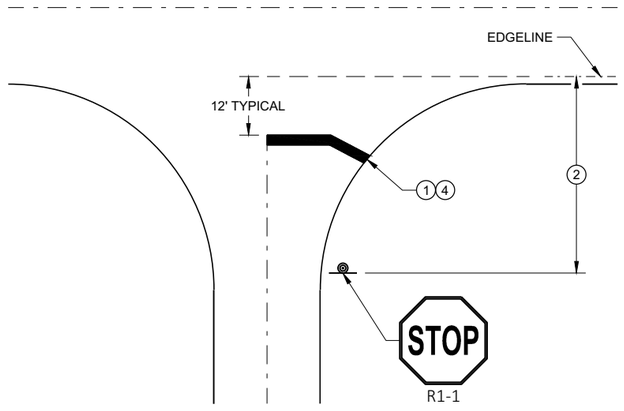


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



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

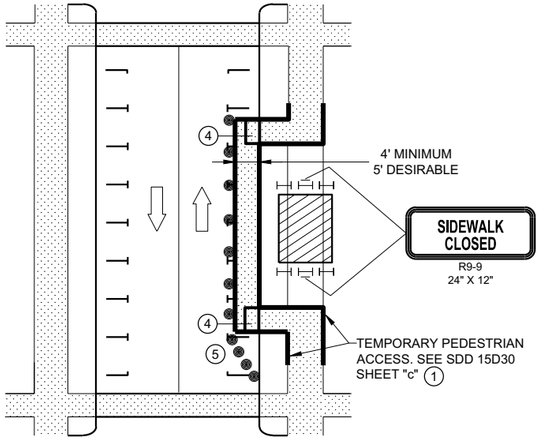
APPROVED
November 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

FHWA

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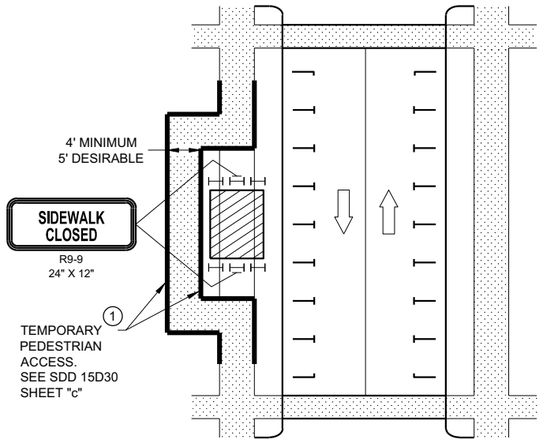
SDD 15C33 - 04

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

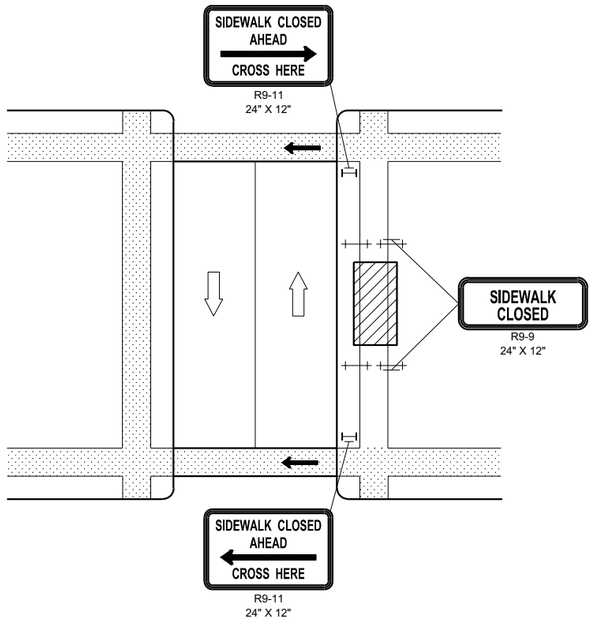


MID-BLOCK SIDEWALK CLOSURE IN PARKING LANE

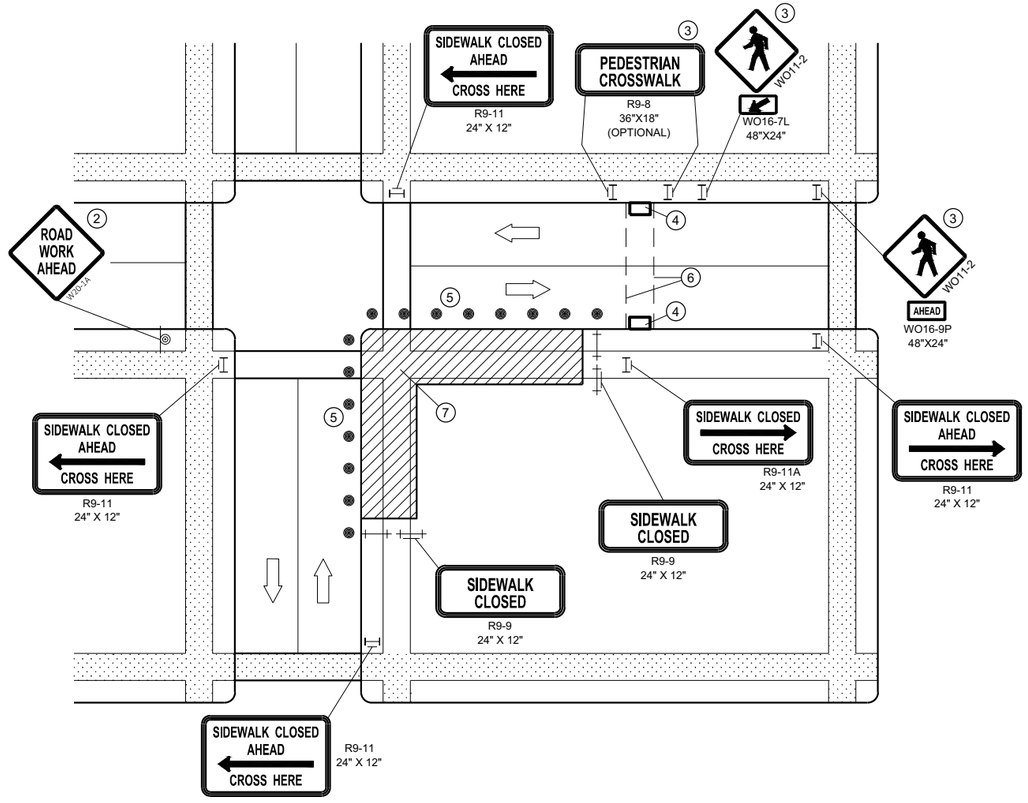
NOTE: LAYOUT SAME AS ABOVE.



SIDEWALK DIVERSION



MID-BLOCK SIDEWALK CLOSURE



CORNER SIDEWALK CLOSURE WITH TEMPORARY CROSSWALK

GENERAL NOTES

WHEN CLOSING OR RELOCATING CROSSWALKS OR SIDEWALKS, PROVIDE DETECABLE TEMPORARY FACILITIES AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH EXISTING PEDESTRIAN FACILITIES.

TEMPORARY TRAFFIC CONTROL DEVICES FOR PEDESTRIANS ARE SHOWN. OTHER DEVICES MAY BE NECESSARY TO CONTROL VEHICULAR TRAFFIC. STAGE WORK AS NECESSARY, TO PROVIDE A TEMPORARY PEDESTRIAN ACCESS ROUTE AT ALL TIMES. FOR ROADWAYS WITH NO AVAILABLE DETOURS, MAINTAIN ONE OPEN SIDEWALK AT ALL TIMES.

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

FOR NIGHTIME CLOSURE, USE TYPE "A" FLASHING WARNING LIGHTS ON BARRICADES, SUPPORTING SIGNS AND CLOSING SIDEWALK. USE TYPE "C" STEADY BURN LIGHTS ON CHANNELIZING DEVICES SEPARATING THE WORK AREA FROM VEHICULAR TRAFFIC.

PEDESTRIAN TRAFFIC SIGNAL DISPLAY CONTROLLING CLOSED CROSSWALK SHALL BE COVERED OR DEACTIVATED.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7 FOOT MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

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

(1) IF SIDEWALK CLOSURE AFFECTS AN ACCESSIBLE AND DETECTABLE FACILITY, MAINTAIN ACCESSIBILITY AND DETECTABILITY ALONG THE ALTERNATE PEDESTRIAN ROUTE

(2) "ROAD WORK AHEAD" SIGNS ARE NOT REQUIRED IF THE SIDEWALK CLOSURE OCCURS WITHIN A LARGER WORK ZONE WHERE ADVANCE WARNING SIGNS ARE ALREADY PRESENT, OR IF THE WORK AREA AND EQUIPMENT ARE MORE THAN 2 FEET BEHIND THE CURB.

(3) IF TEMPORARY PEDESTRIAN CROSSWALK IS NOT PROVIDED, OMIT R9-8 AND WO11-2 SIGN ASSEMBLIES. IF PROVIDED INCLUDE ON BOTH SIDES OF THE CROSSWALK.

(4) TEMPORARY CURB RAMPS. SEE SDD 15D30 SHEET "b'.

(5) DRUMS OR BARRICADES AT 25 FOOT SPACING. STREET PARKING SHALL BE PROHIBITED FOR AT LEAST 50 FEET IN ADVANCE OF THE MID-BLOCK CROSSWALK.

(6) TEMPORARY PAVEMENT MARKING FOR CROSSWALK LINES.

(7) LIMIT WORK TO ONE QUADRANT AT A TIME TO MINIMIZE PEDESTRIAN DISRUPTION.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW INTENSITY FLASHING)
- TYPE III BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW INTENSITY FLASHING)
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- PEDESTRIAN CHANNELIZATION DEVICE
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

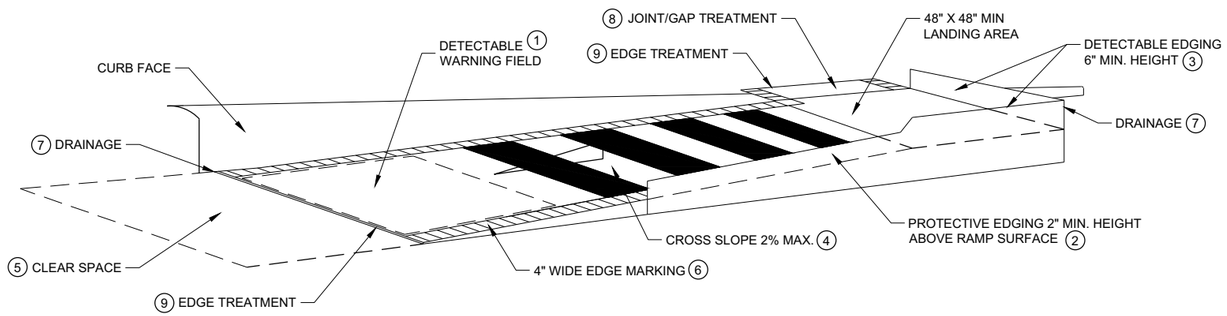
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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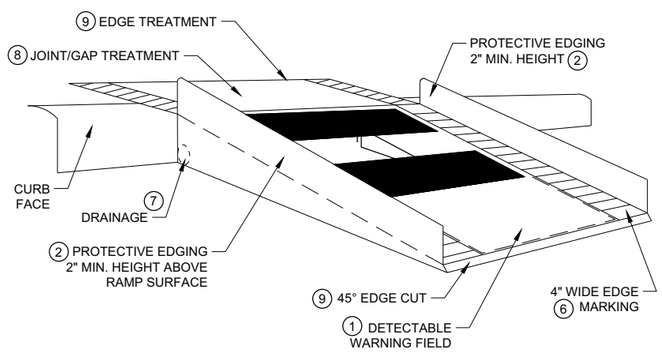
SDD 15D30 - 06a

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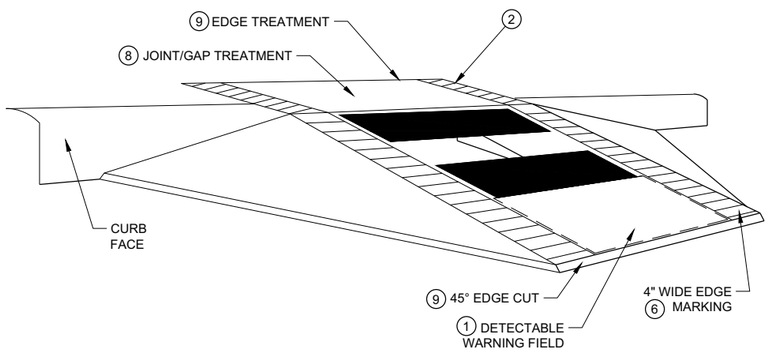
SDD15D30 - 06a



TEMPORARY CURB RAMP PARALLEL TO CURB



WITH PROTECTIVE EDGE



WITH SIDE APRON

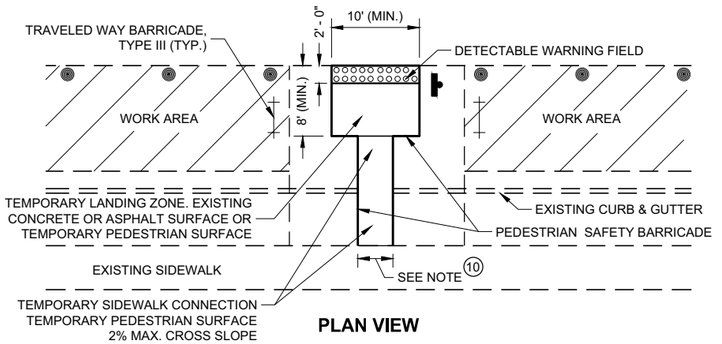
TEMPORARY CURB RAMP PERPENDICULAR TO CURB

GENERAL NOTES

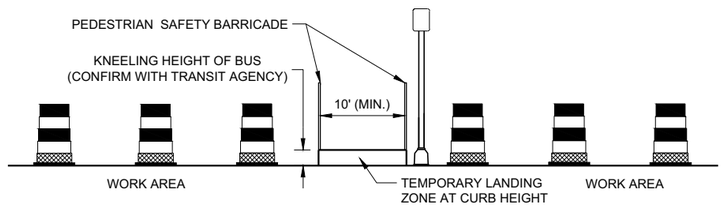
NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

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

1. CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A A FIRM, STABLE AND SLIP RESISTANT SURFACE. INSTALL CONTRASTING DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS. REFER TO SDD 08D05, SHEET "e".
2. PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.
3. DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).
4. CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.
5. CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.
6. THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A YELLOW COLOR, 4" WIDE MARKING, UNLESS A CONTRASTING DETECTABLE WARNING FIELD IS PROVIDED.
7. DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.
8. LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.
9. CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES SHALL BE VERTICAL UP TO ¼" HIGH AND BEVELED AT 1:2 BETWEEN ¼" AND ½".
10. 5" WIDE MIN. WITH PEDESTRIAN SAFETY BARRICADE, 10' WIDE MIN. WITHOUT PEDESTRIAN SAFETY BARRICADE.



PLAN VIEW



PROFILE VIEW

TEMPORARY BUS STOP PAD

LEGEND

- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- WORK AREA

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

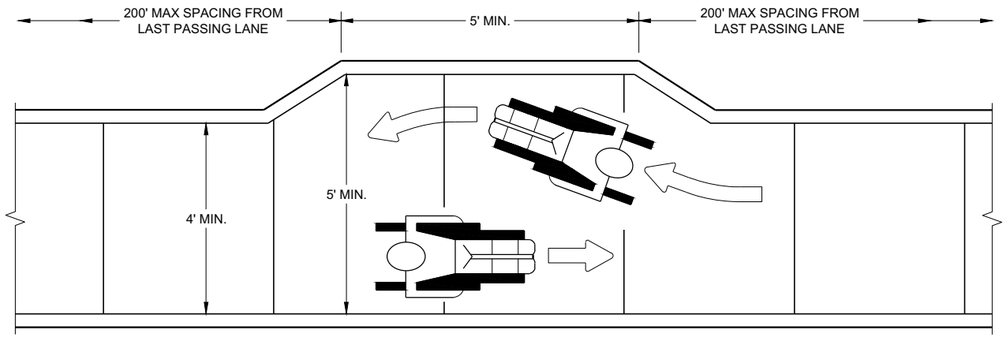
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

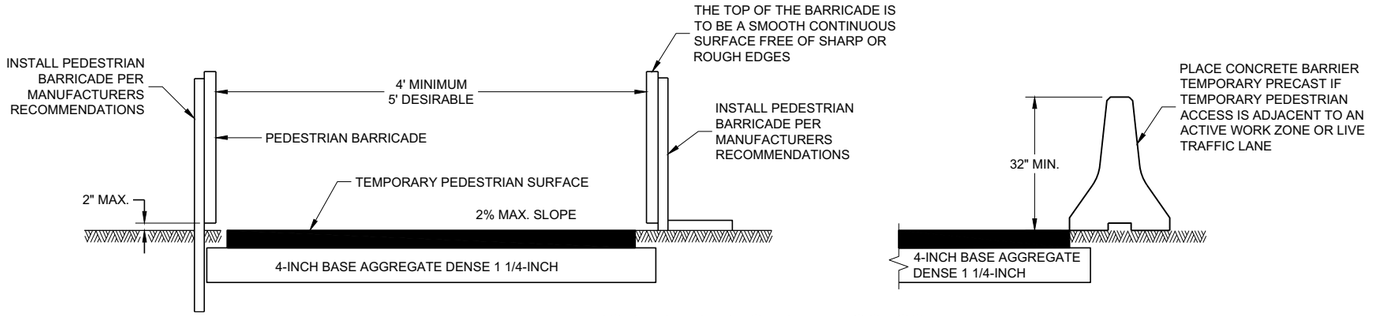
SDD 15D30 - 06b

6

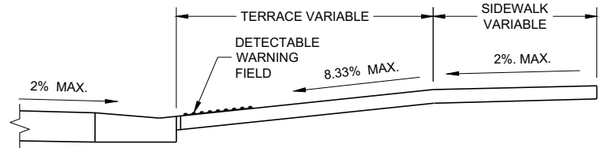
SDD 15D30 - 06b



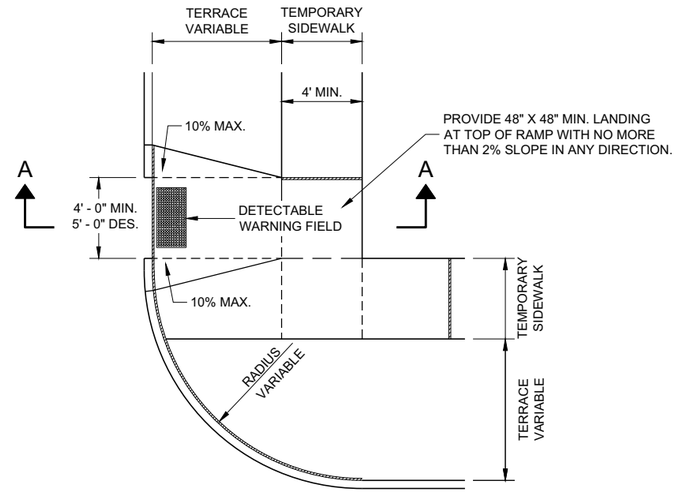
NARROW SIDEWALK PASSING DETAIL



TEMPORARY PEDESTRIAN ACCESS



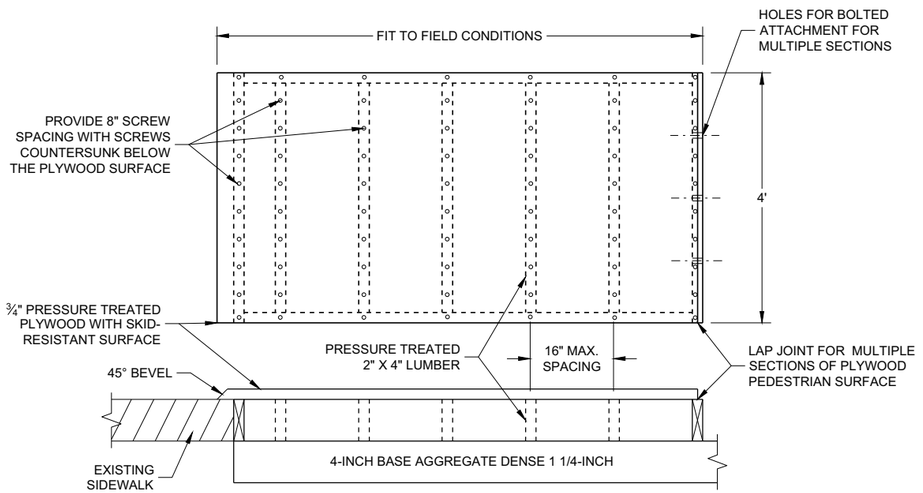
SECTION A - A



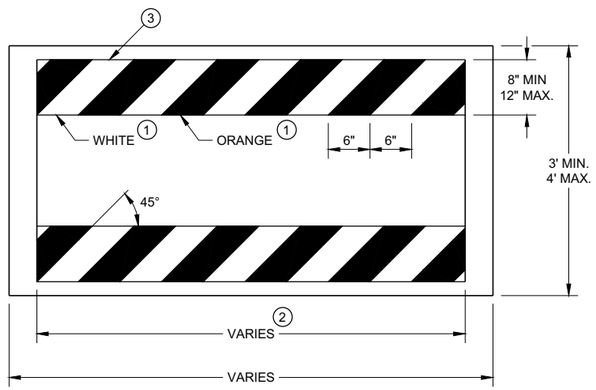
PLAN VIEW

TEMPORARY TYPE 3 RAMP

(OUTSIDE OF CROSSWALK AREA)



TEMPORARY PEDESTRIAN SURFACE PLYWOOD



TEMPORARY PEDESTRIAN BARRICADE *

GENERAL NOTES

BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

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

(2) SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.

(3) PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

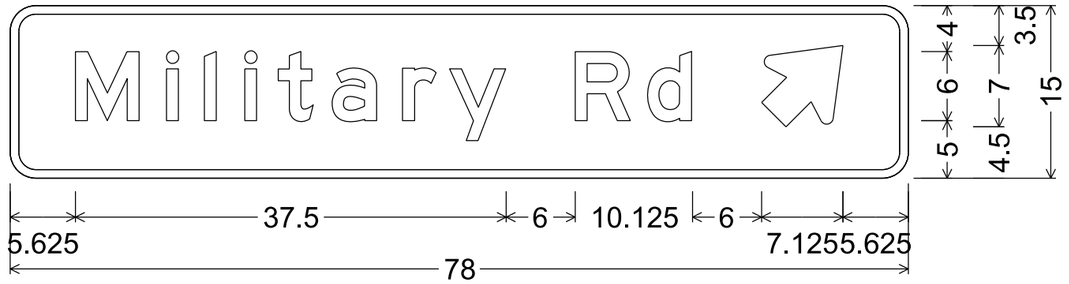
SDD 15D30 - 06c

6

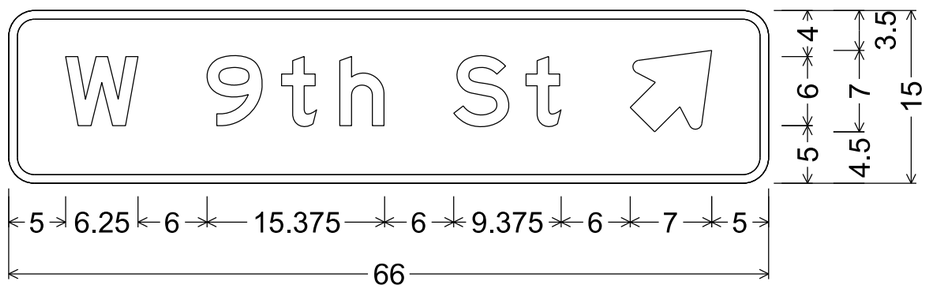
SDD 15D30 - 06c

NOTES

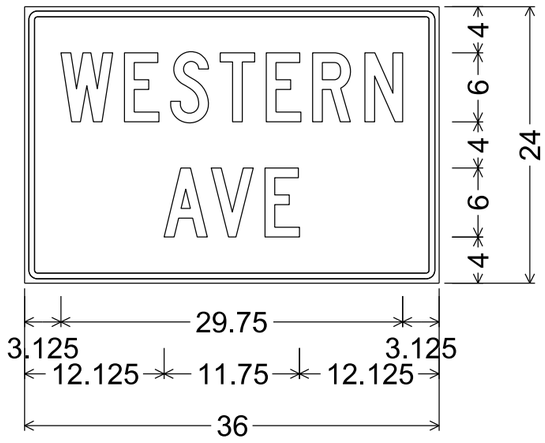
1. Signs are Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E



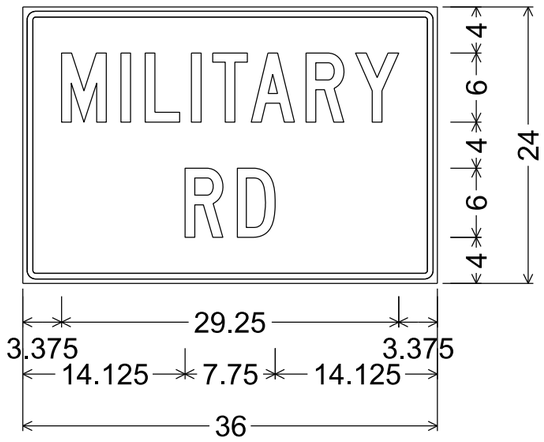
D1-1; 2.250" Radius, 0.750" Border



D1-1; 2.250" Radius, 0.750" Border



1.125" Radius, 0.500" Border, 0.375" Indent



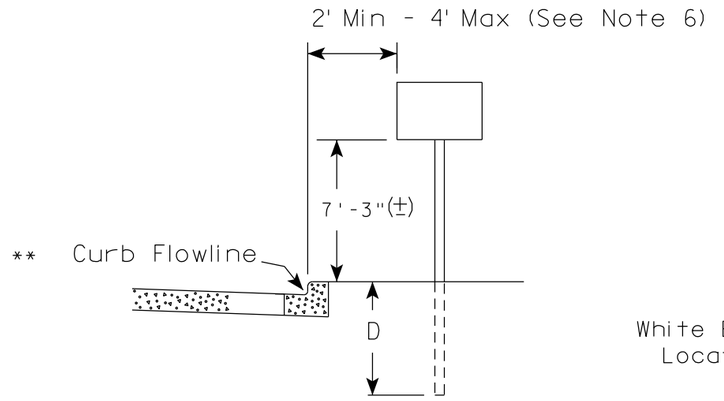
1.125" Radius, 0.500" Border, 0.375" Indent

NOTES

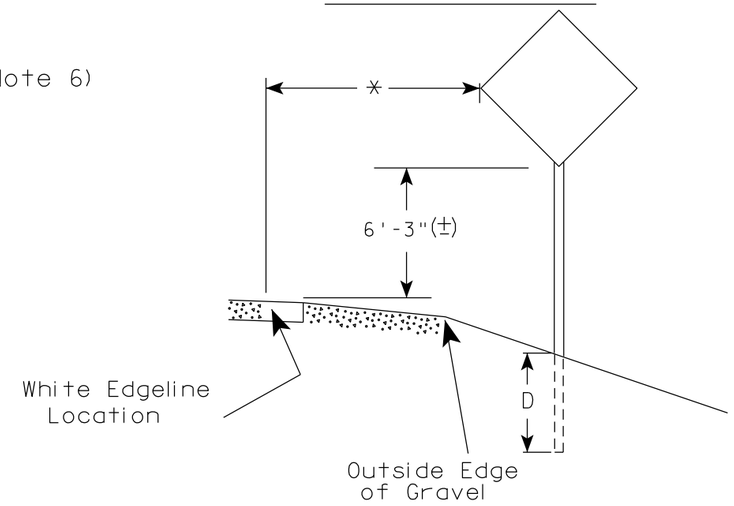
1. Fixed Message Type II Signs - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C

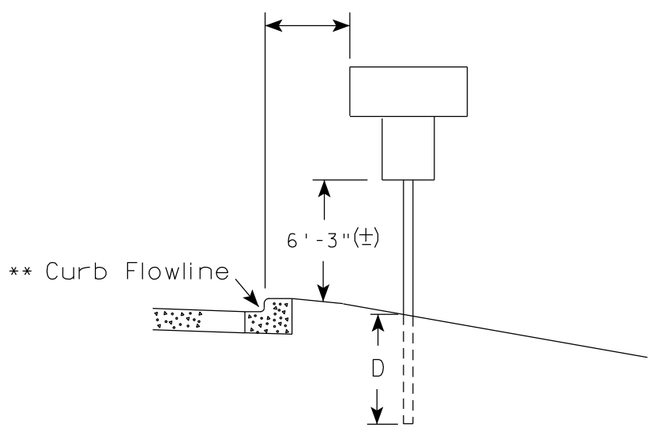
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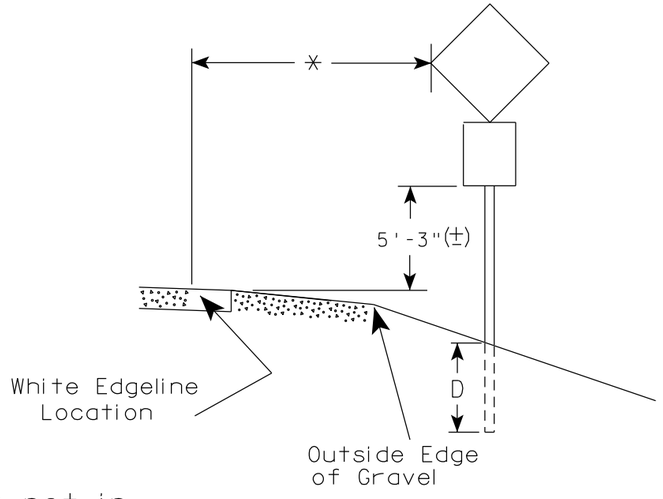
URBAN AREA



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.

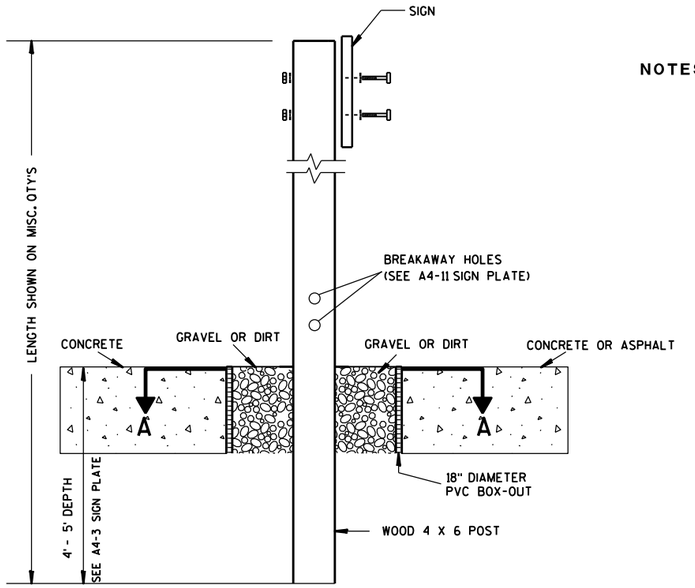
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

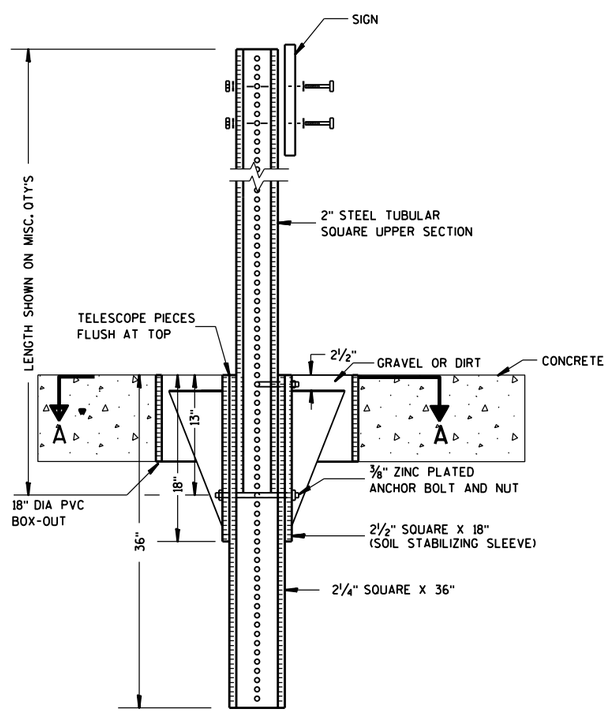
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 248	E



ELEVATION VIEW

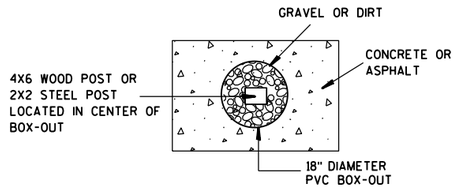
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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



ELEVATION VIEW

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



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

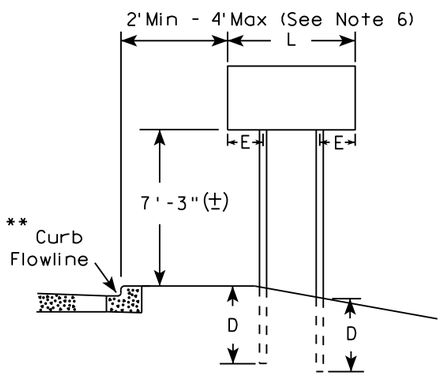
APPROVED Matthew R Rauch
for State Traffic Engineer

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

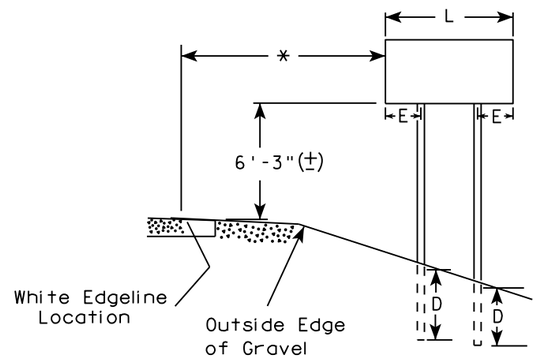
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

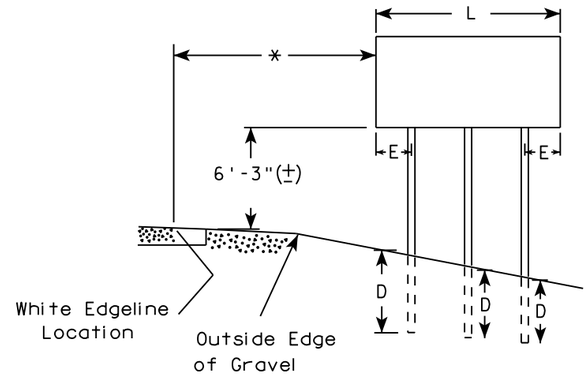
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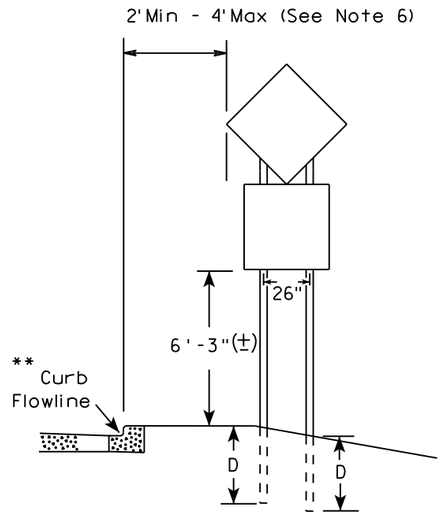
URBAN AREA



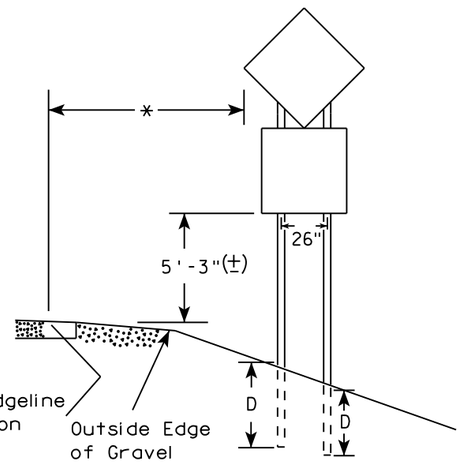
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

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

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

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) 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'

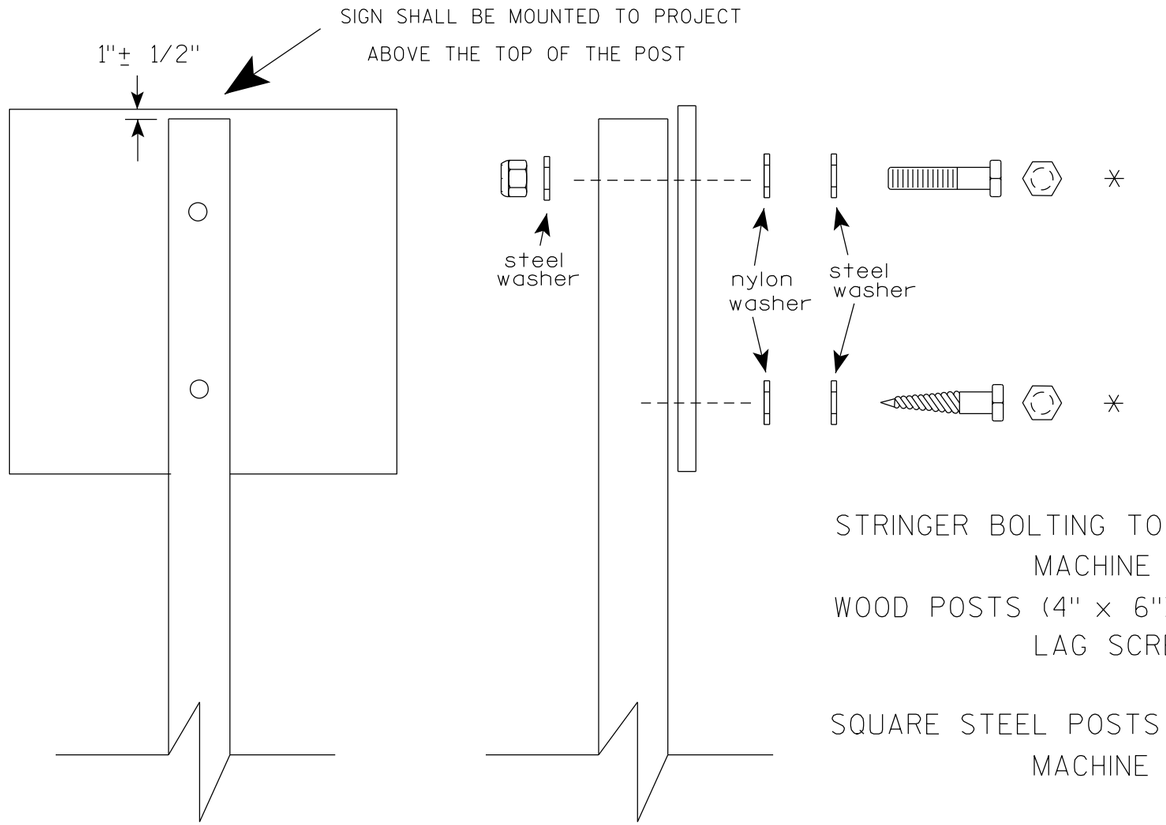
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

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: 250	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: 251 E

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

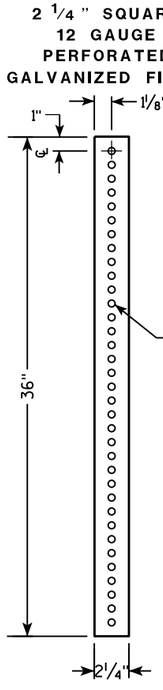
WISDOT/CADDS SHEET 42

7

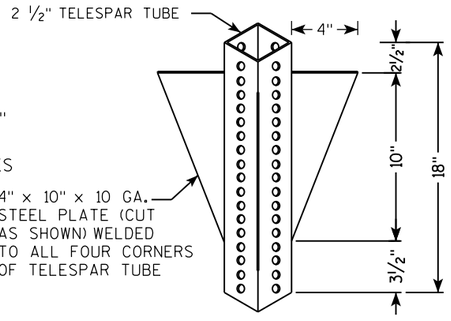
7

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

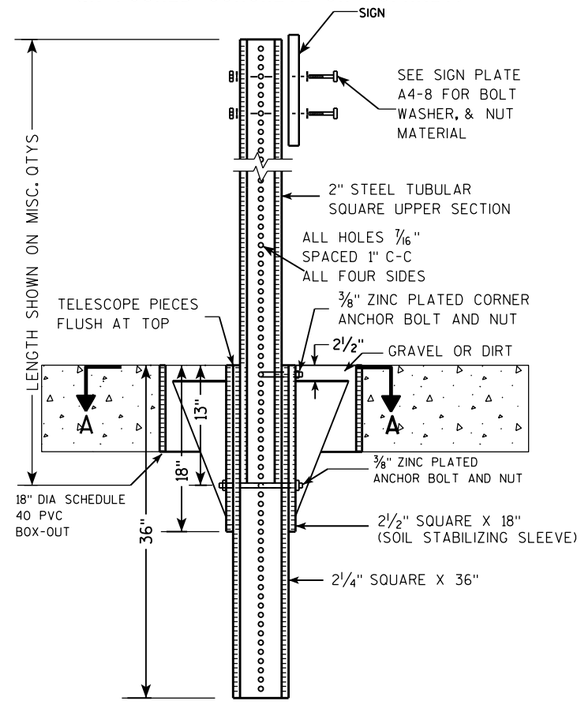
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



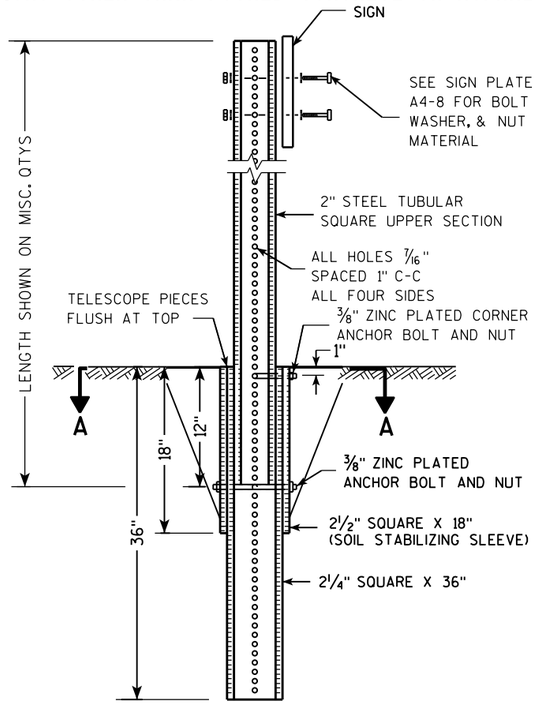
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

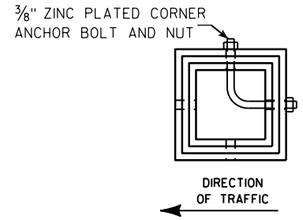


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

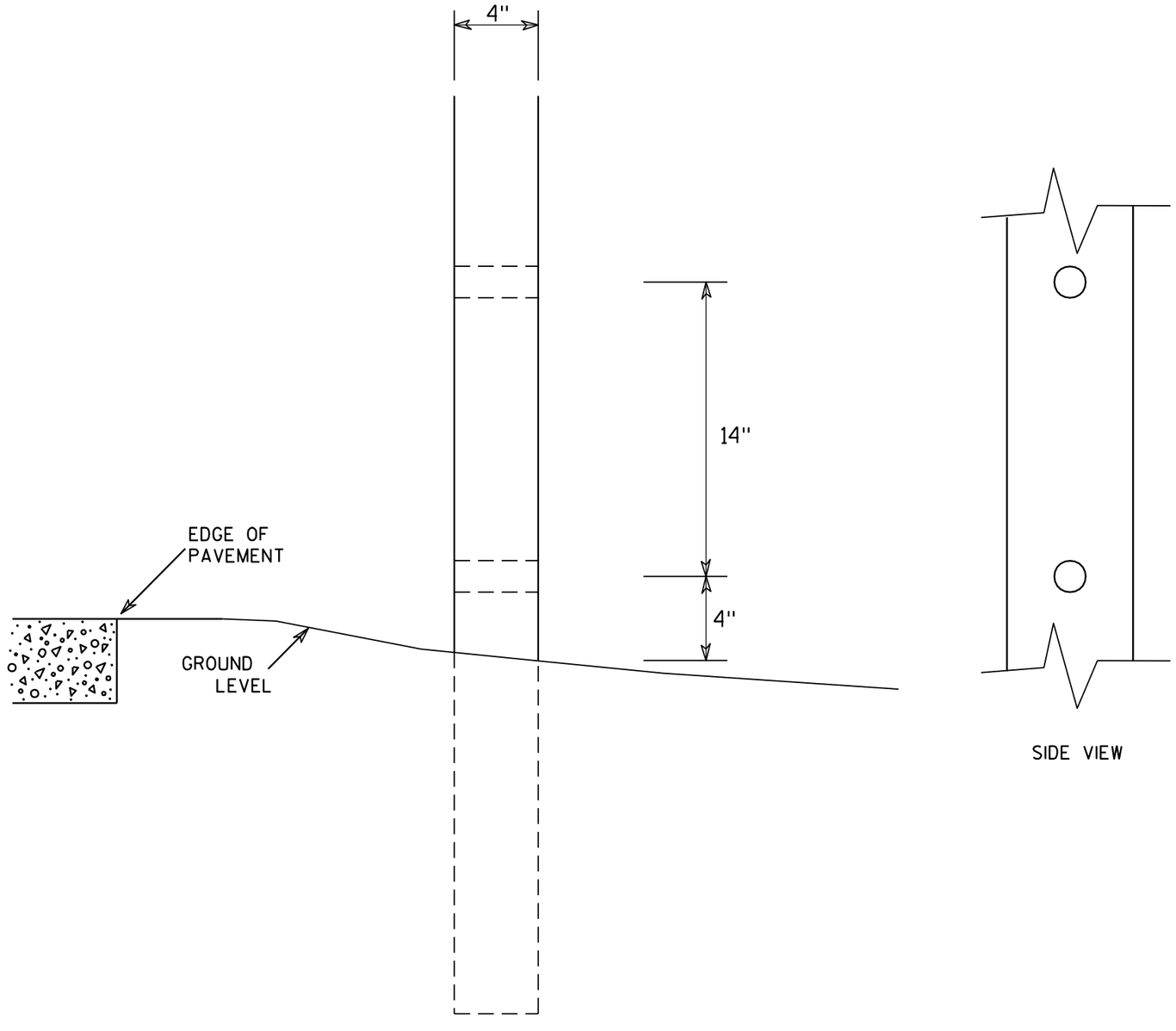
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 252 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



SIDE VIEW

GENERAL NOTES

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

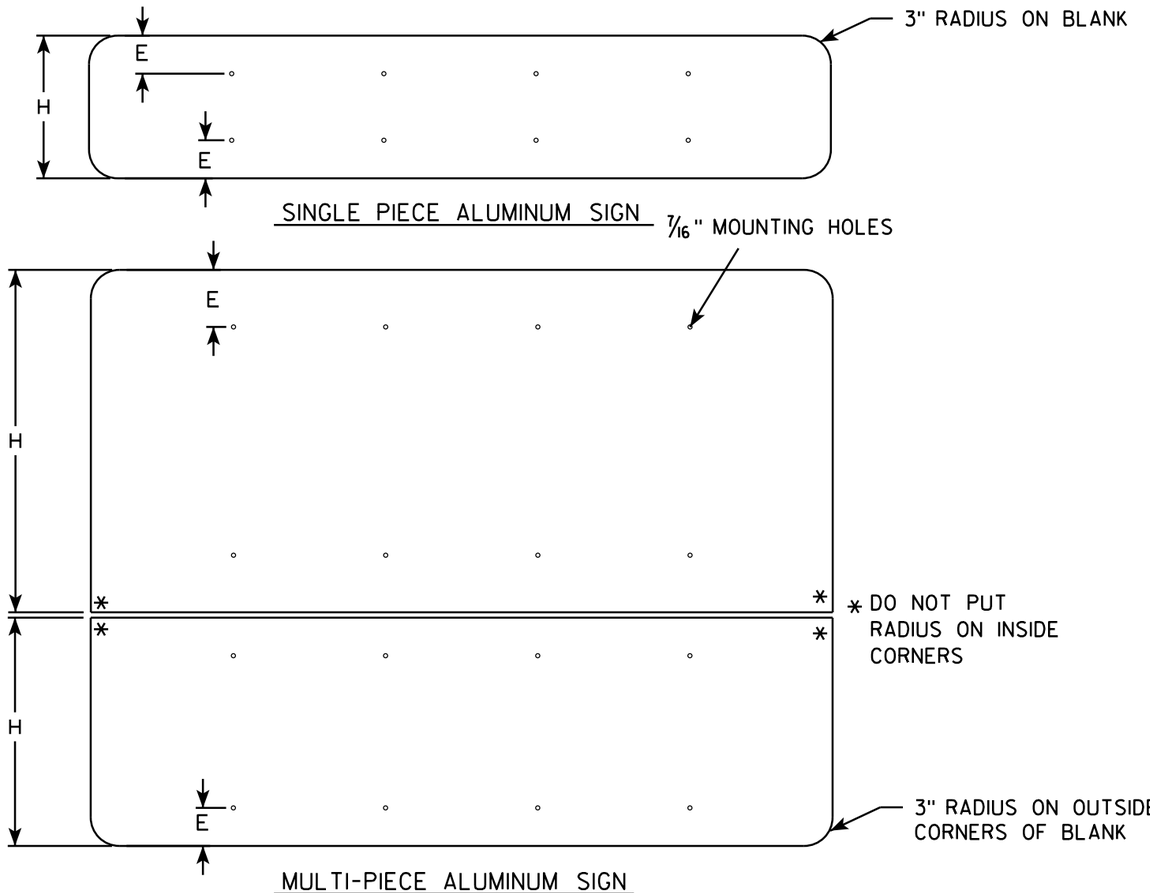
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

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

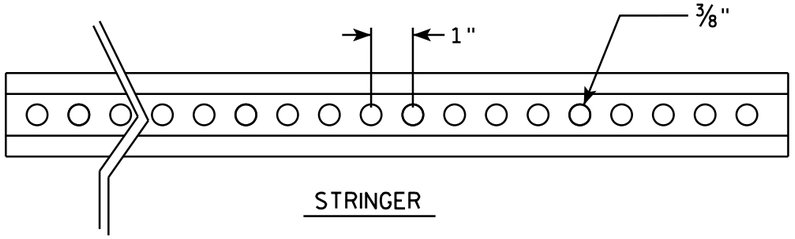
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 253	E



GENERAL NOTES

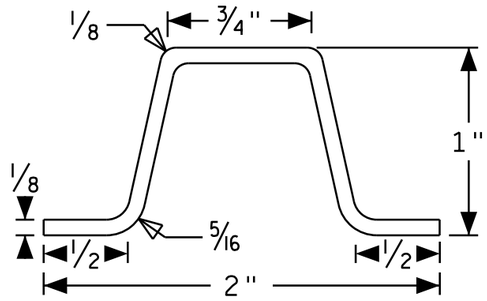
- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE 7/16" DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 36", DIMENSION E SHALL BE 4"
- SIGN STRINGER MATERIAL SHALL CONSIST OF STEEL CHANNEL POST SECTIONS, WEIGHING 1.12 LBS/FT IN ACCORDANCE WITH SECTION 633.2.1 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
- SEE SIGN PLATE A4-8 FOR SIGN STRINGER BOLTING REQUIREMENTS.

SIGN WIDTH	STRINGER WIDTH	POSTS	HOLE SPACING	MOUNTING HOLES
78"	72"	2	16"	15" 31" 47" 63"
84"	72"	2	17"	16½" 33½" 50½" 67½"
90"	72"	2	18"	18" 36" 54" 72"
96"	90"	2	19"	19½" 38½" 57½" 76½"
102"	90"	2	20"	21" 41" 61" 81"
108"	90"	2	21"	22½" 43½" 64½" 85½"
114"	108"	3	15"	12" 27" 42" 57" 72" 87" 102"
120"	108"	3	16"	12" 28" 44" 60" 76" 92" 108"
126"	108"	3	17"	12" 29" 46" 63" 80" 97" 114"
132"	126"	3	18"	12" 30" 48" 66" 84" 102" 120"
138"	126"	3	19"	12" 31" 50" 69" 88" 107" 126"
144"	126"	3	20"	12" 32" 52" 72" 92" 112" 132"

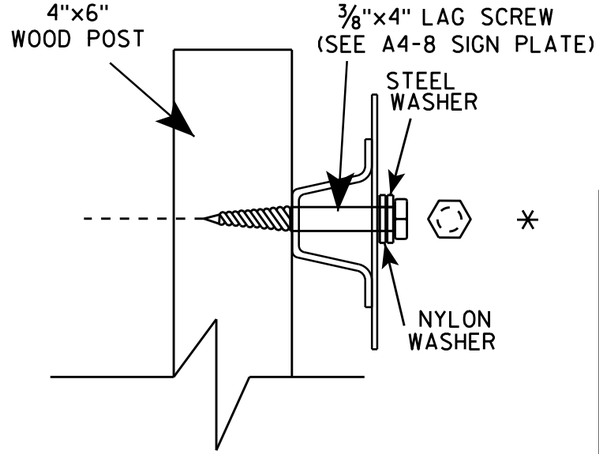


STRINGER

CROSS SECTION VIEW OF CHANNEL



POST MOUNTING



SIGN STRINGER MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

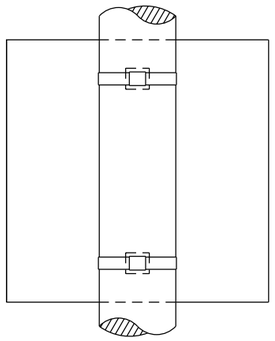
DATE 4/26/16 PLATE NO A4-18.1

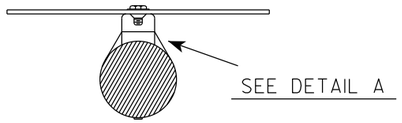
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

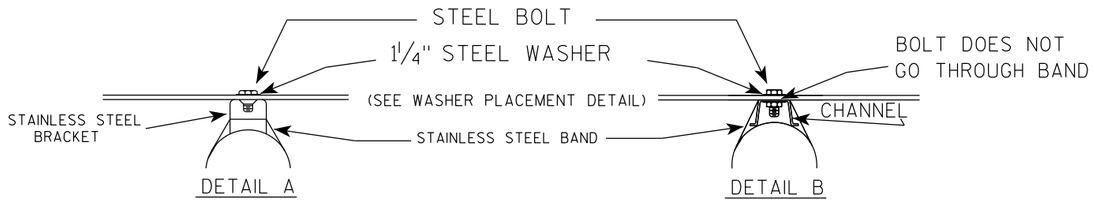
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A418.dgn PLOT DATE : 27-APR-2016 13:56 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 41.805205:1.000000

BANDING

SINGLE SIGN



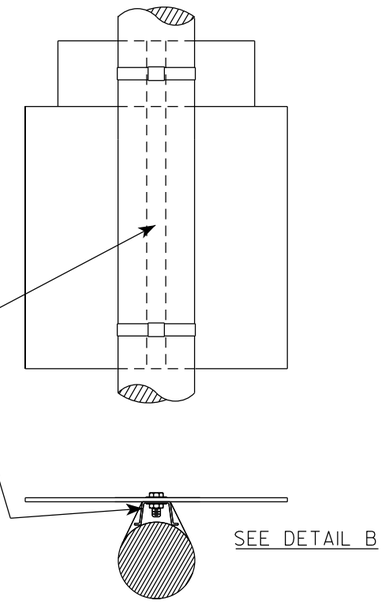




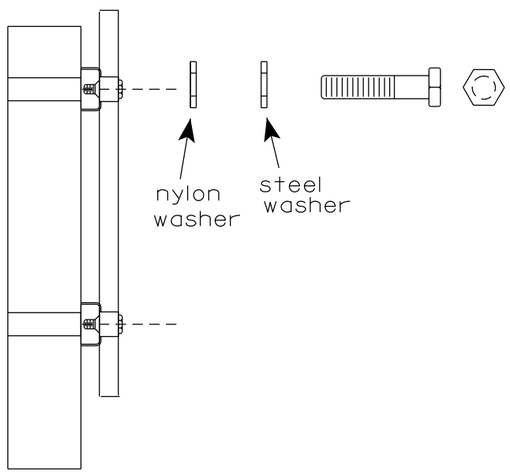
GENERAL NOTES

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

"J" ASSEMBLY



WASHER PLACEMENT



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

STANDARD SIGN
SIGN BANDING DETAILS

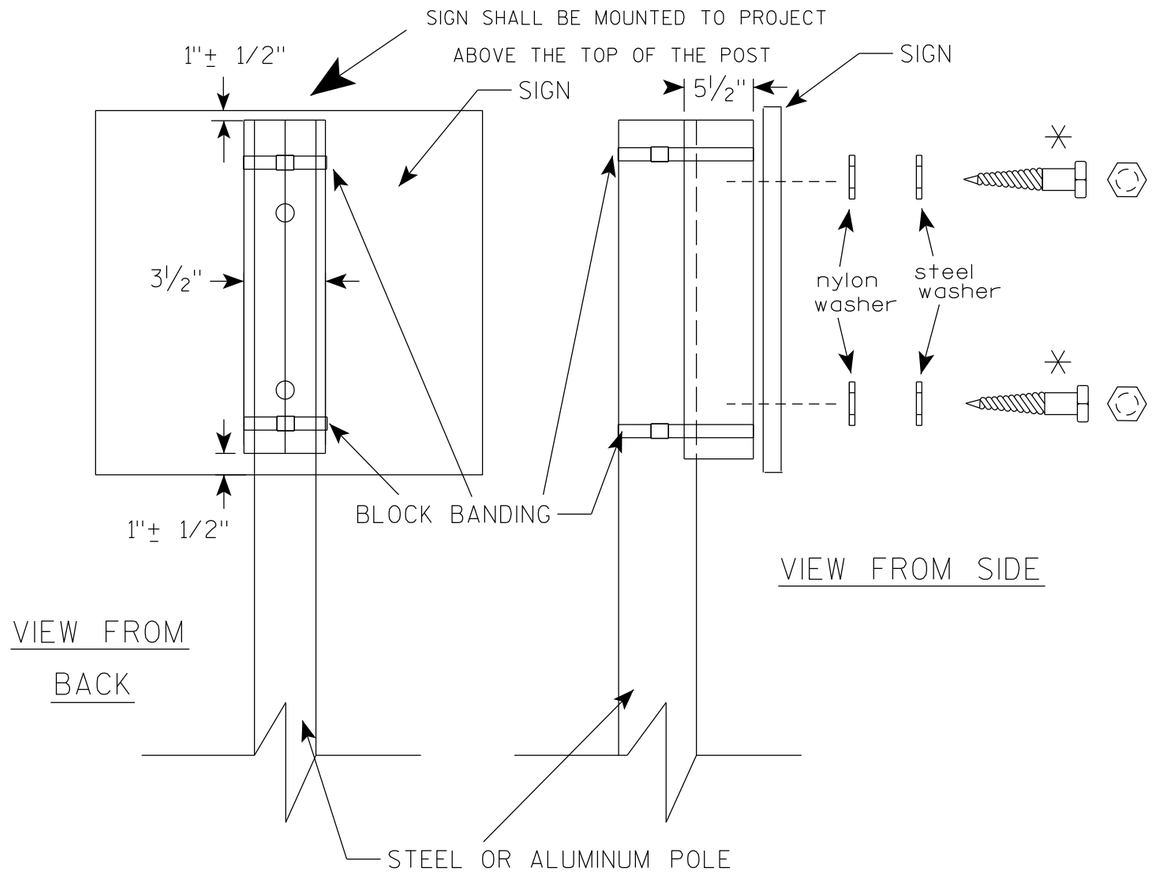
WISCONSIN DEPT OF TRANSPORTATION

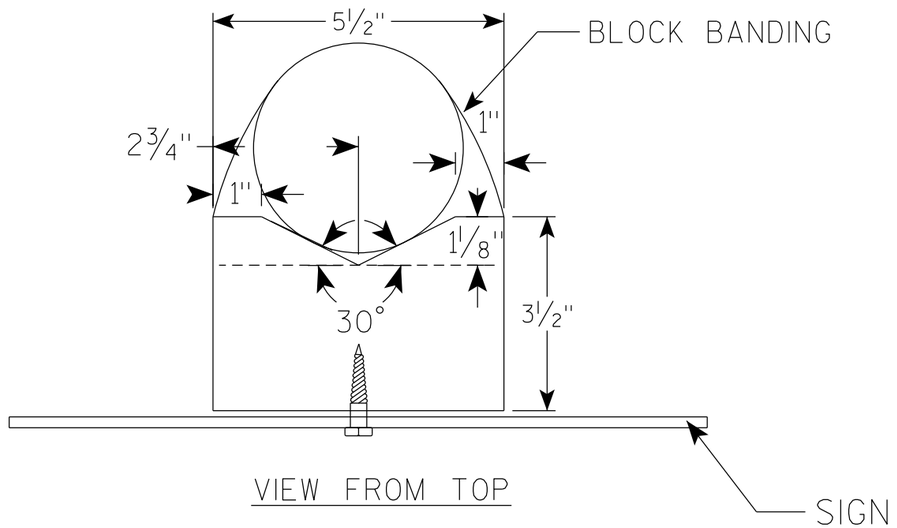
APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 255	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





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"

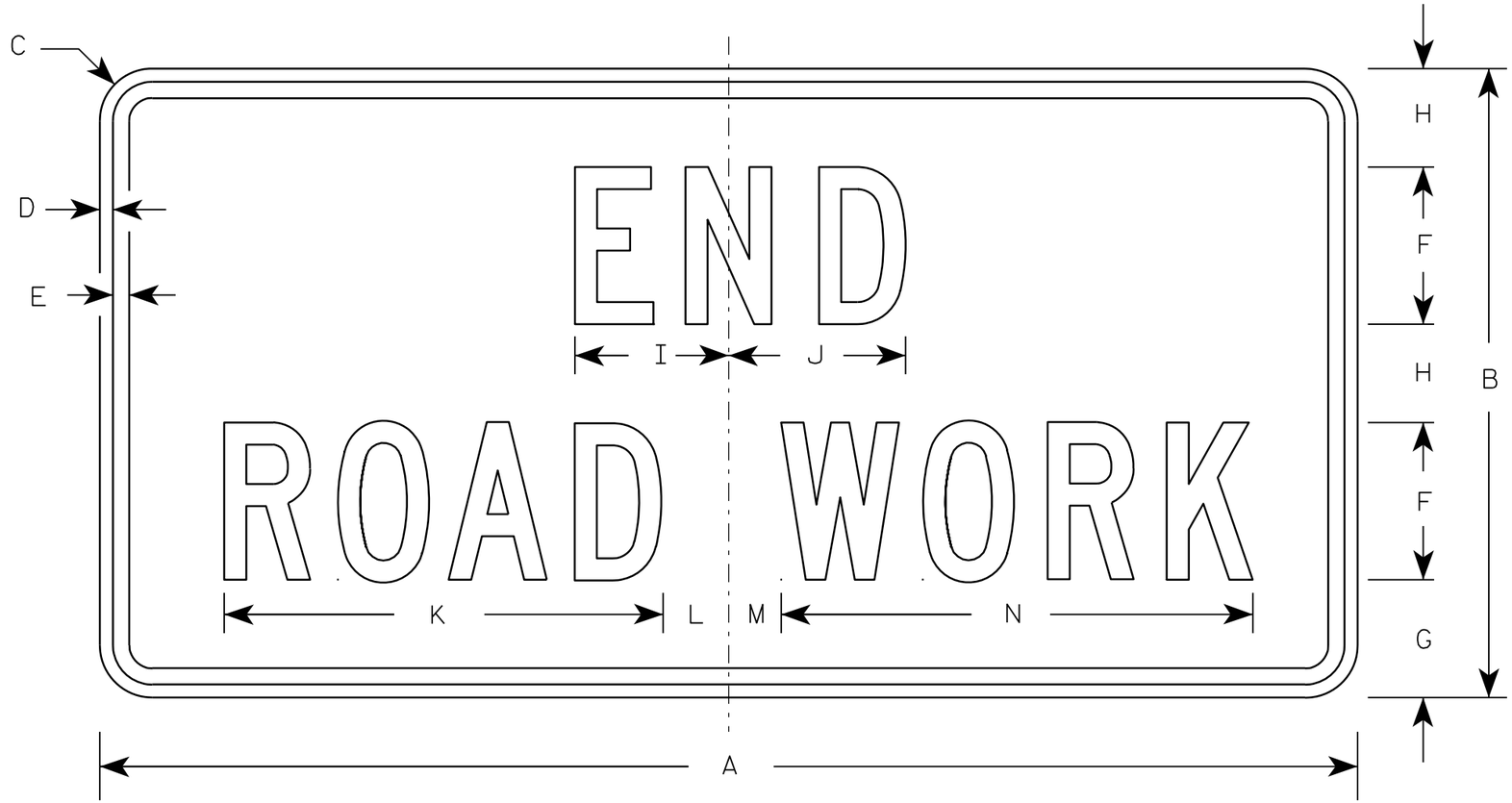
BLOCK BANDING DETAIL (V-BLOCK OPTION)

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: 256	E



G20-2A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

Metric equivalent for this sign is:

SIZE	
1	900 mm X 450 mm
2	1200 mm X 600 mm
3	1200 mm X 600 mm
4	1200 mm X 600 mm
5	1200 mm X 600 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72

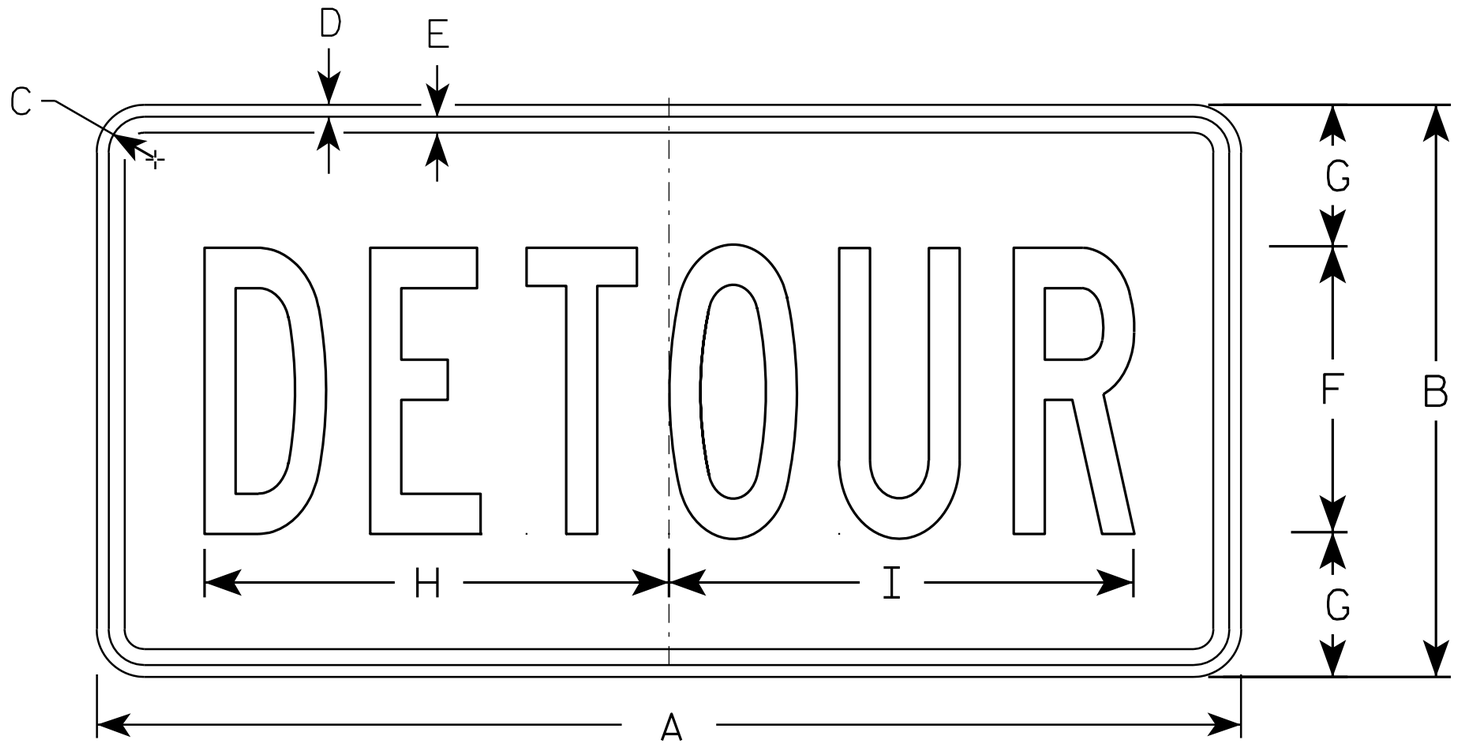
STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 257	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

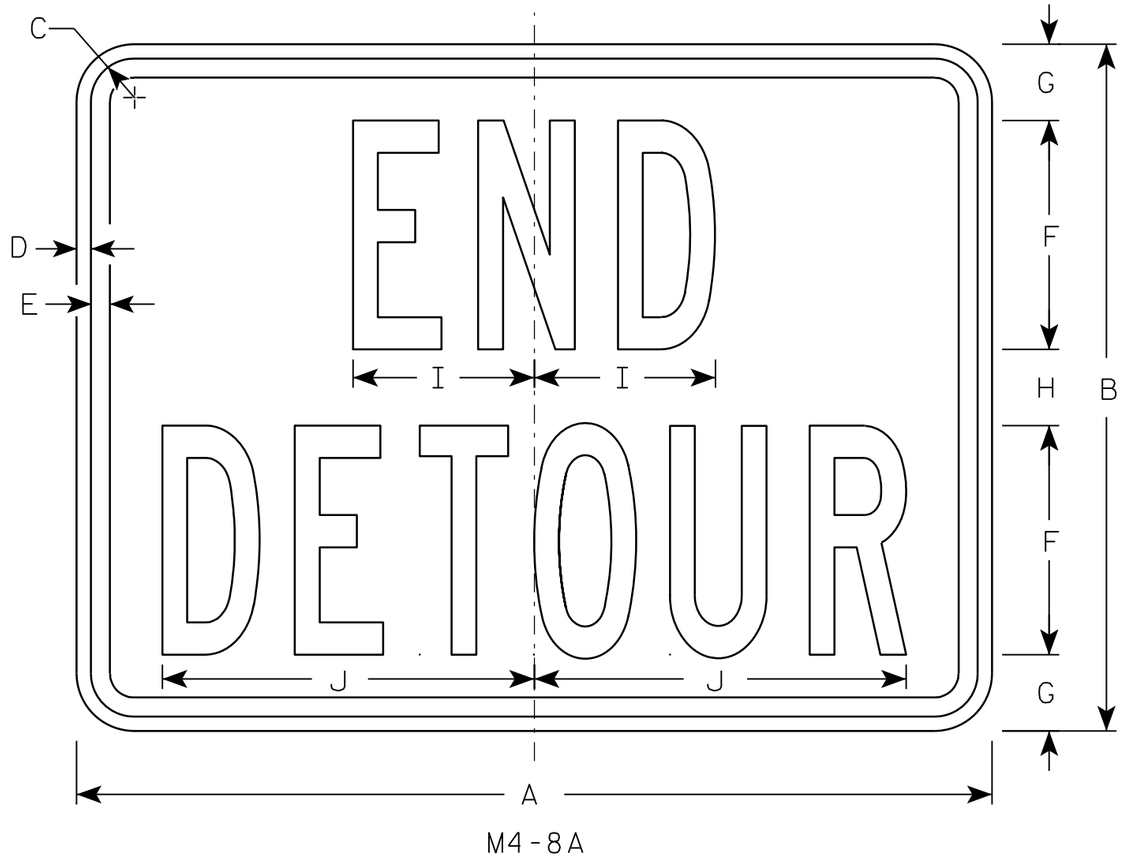
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 258	E

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																											

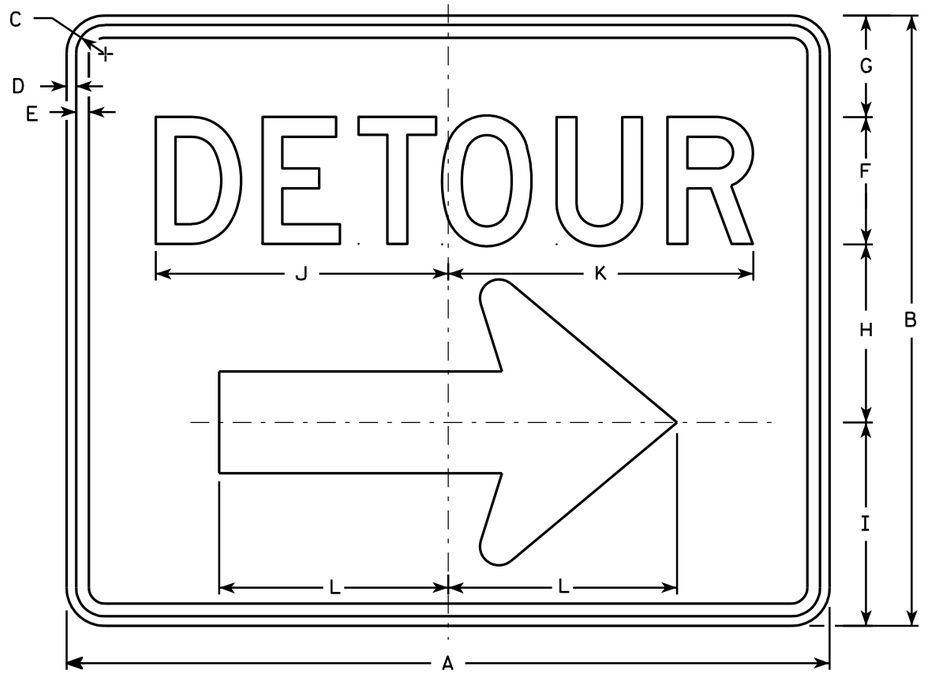
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2

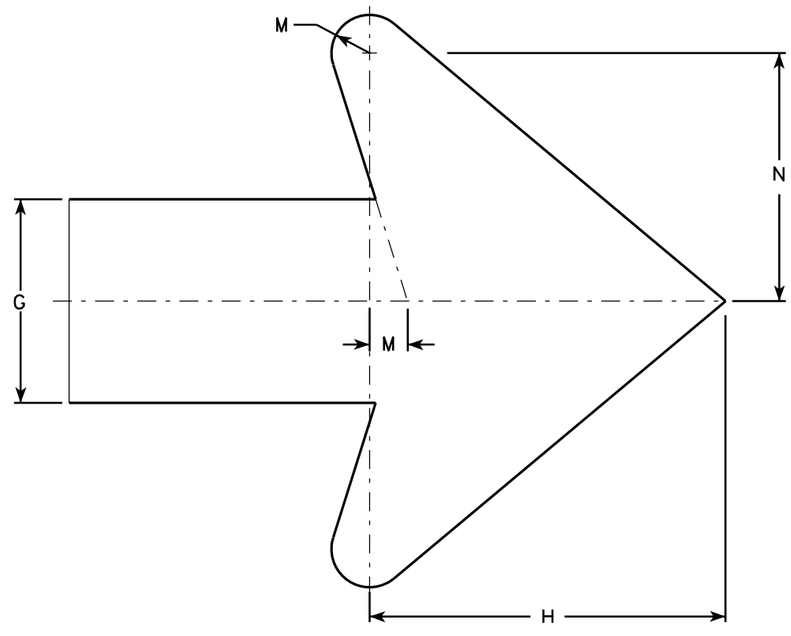
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 259	E



M4-9R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-9L is the same as M4-9R except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
3	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
4	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0
5	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0

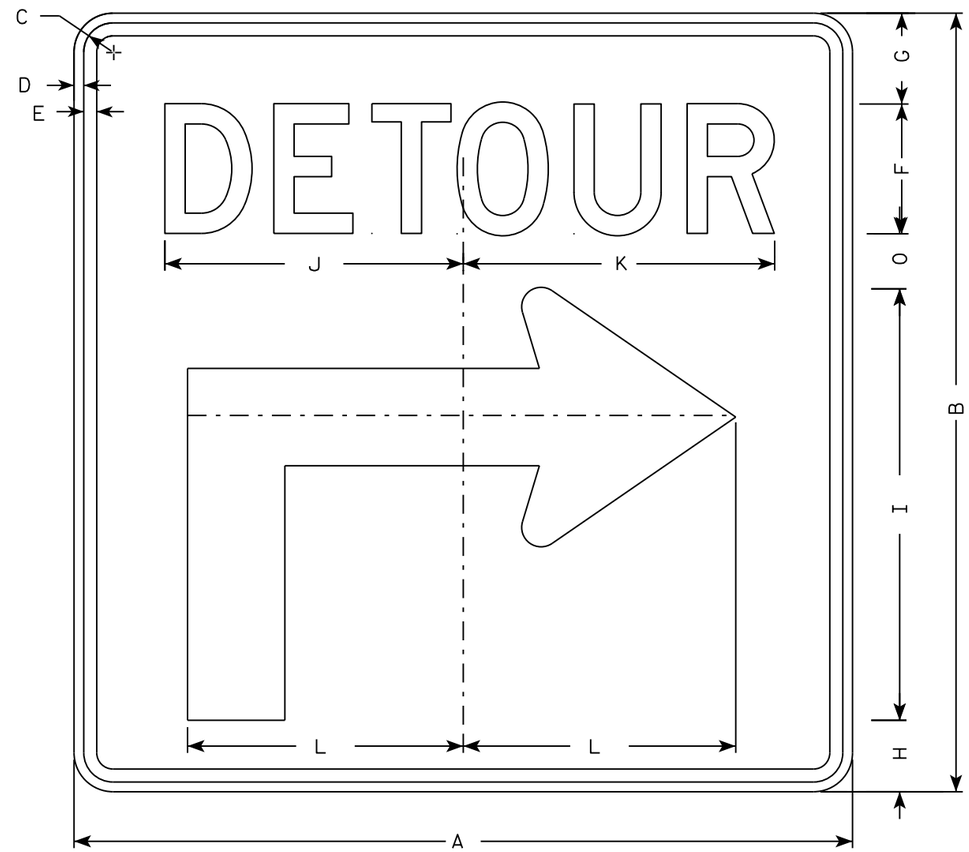
STANDARD SIGN
M4-9 R & L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-9R.4

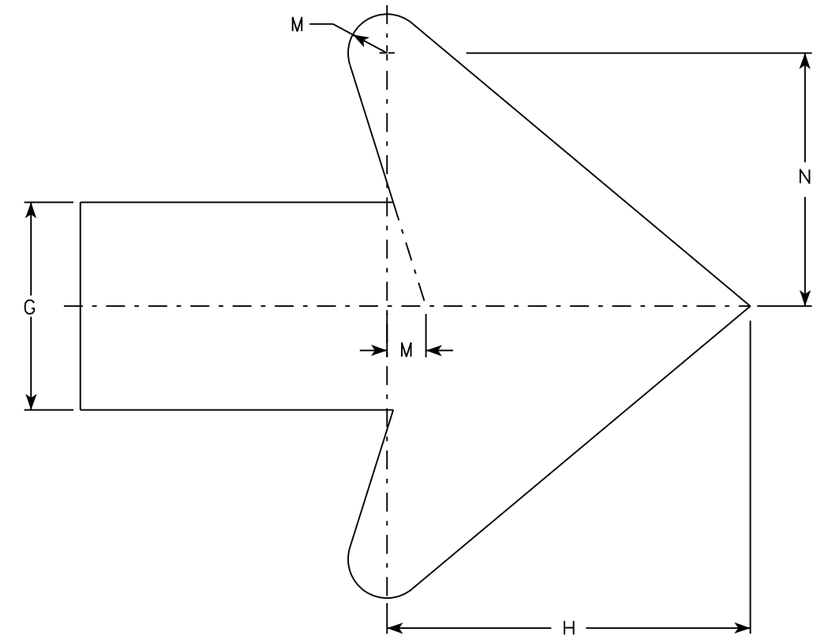
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 260 | E



M4-59R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown when base material is metal.
5. M4-59L is the same as M4-59R except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	30	1 1/8	3/8	1/2	5	3 1/2	2 3/4	16 5/8	11 1/2	12	10 1/2	3/4	4 7/8	2 1/8												6.25
3	30	30	1 1/8	3/8	1/2	5	3 1/2	2 3/4	16 5/8	11 1/2	12	10 1/2	3/4	4 7/8	2 1/8												6.25
4	48	48	1 3/8	1/2	5/8	8	5 5/8	4 3/8	26 5/8	20 5/8	20 1/2	17	1 1/8	6 7/8	3 3/8												16.0
5	48	48	1 3/8	1/2	5/8	8	5 5/8	4 3/8	26 5/8	20 5/8	20 1/2	17	1 1/8	6 7/8	3 3/8												16.0

STANDARD SIGN
M4-59 L&R

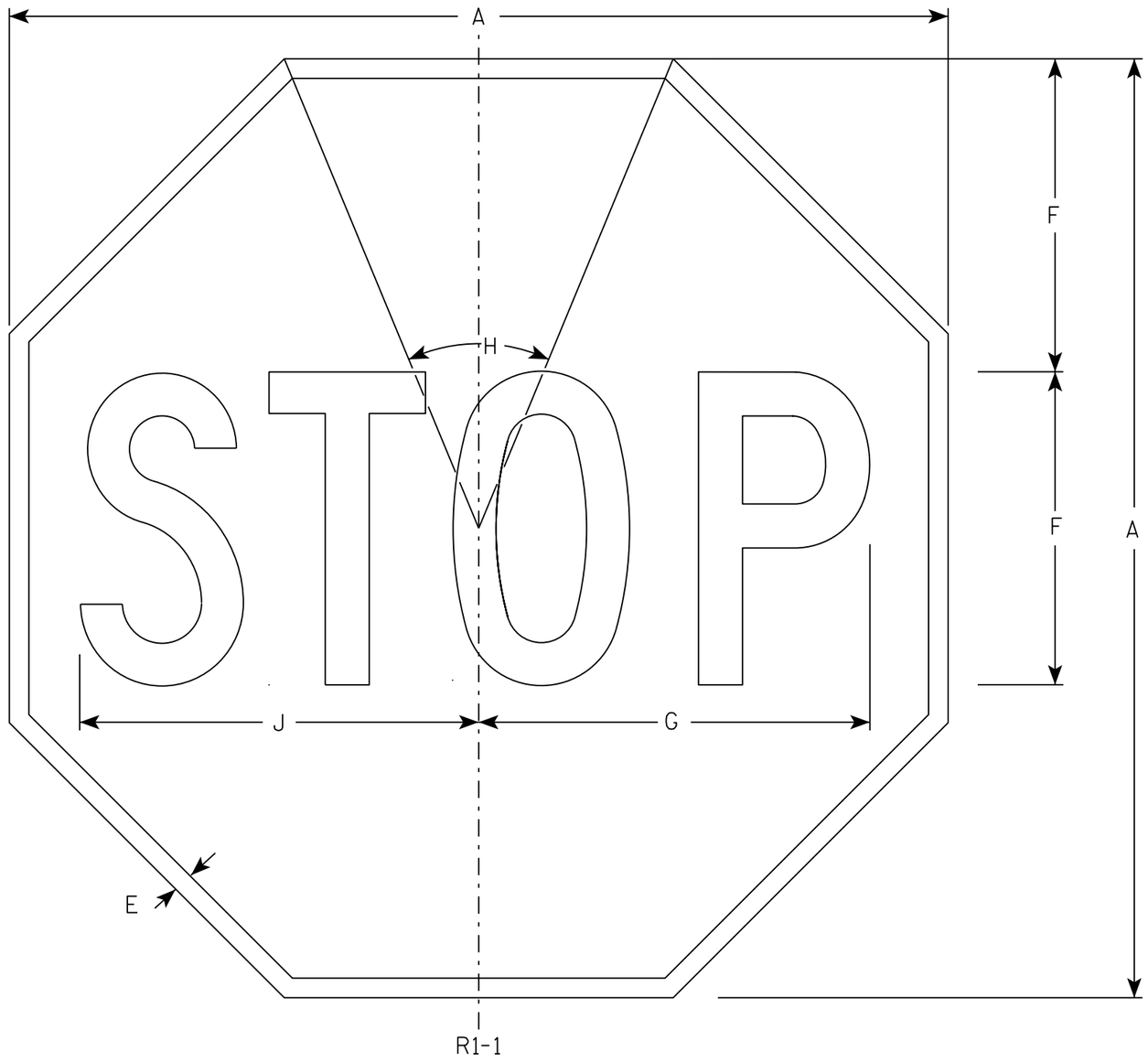
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/15 PLATE M4-59.1

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M459.DGN PLOT DATE : 01-DEC-2015 18:05 PLOT BY : $$ platuser $$ PLOT NAME : PLOT SCALE : 5.837526:1.000000



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

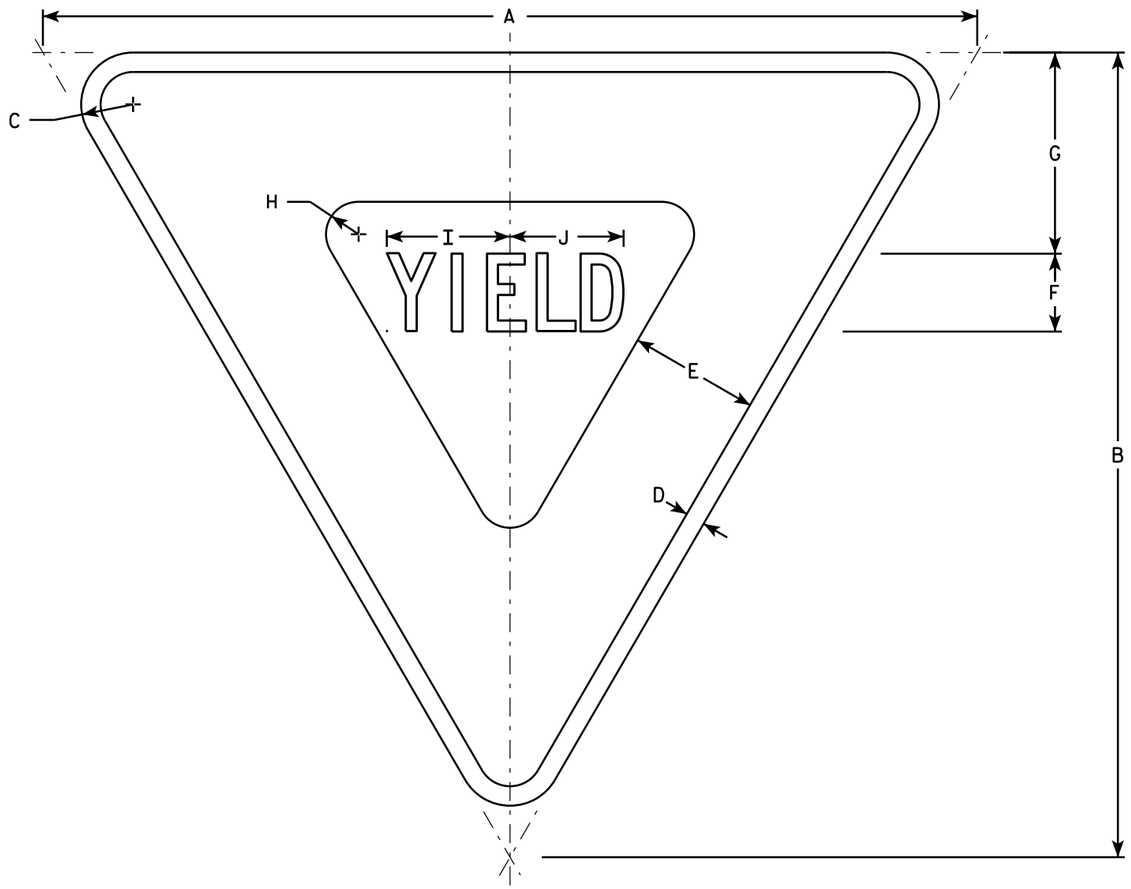
R1-1

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: 262	E



R1-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. The border strip and word message are reflectorized red.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	26	1 1/2	5/8	4	2 1/2	6 3/8	7/8	4	3 5/8																	2.71
2S	36	31	2	3/4	5	3	7 3/4	1 1/4	4 3/4	4 3/8																	3.88
2M	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
3	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
4	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
5	60	52	3	1 1/2	8	5	13	2 1/2	7 7/8	7 1/4																	10.83
6																											
7	18	15 1/2	1	3/8	2 1/2	1 1/2	3 7/8	5/8	2 3/8	2 1/4																	0.97

STANDARD SIGN
R1-2

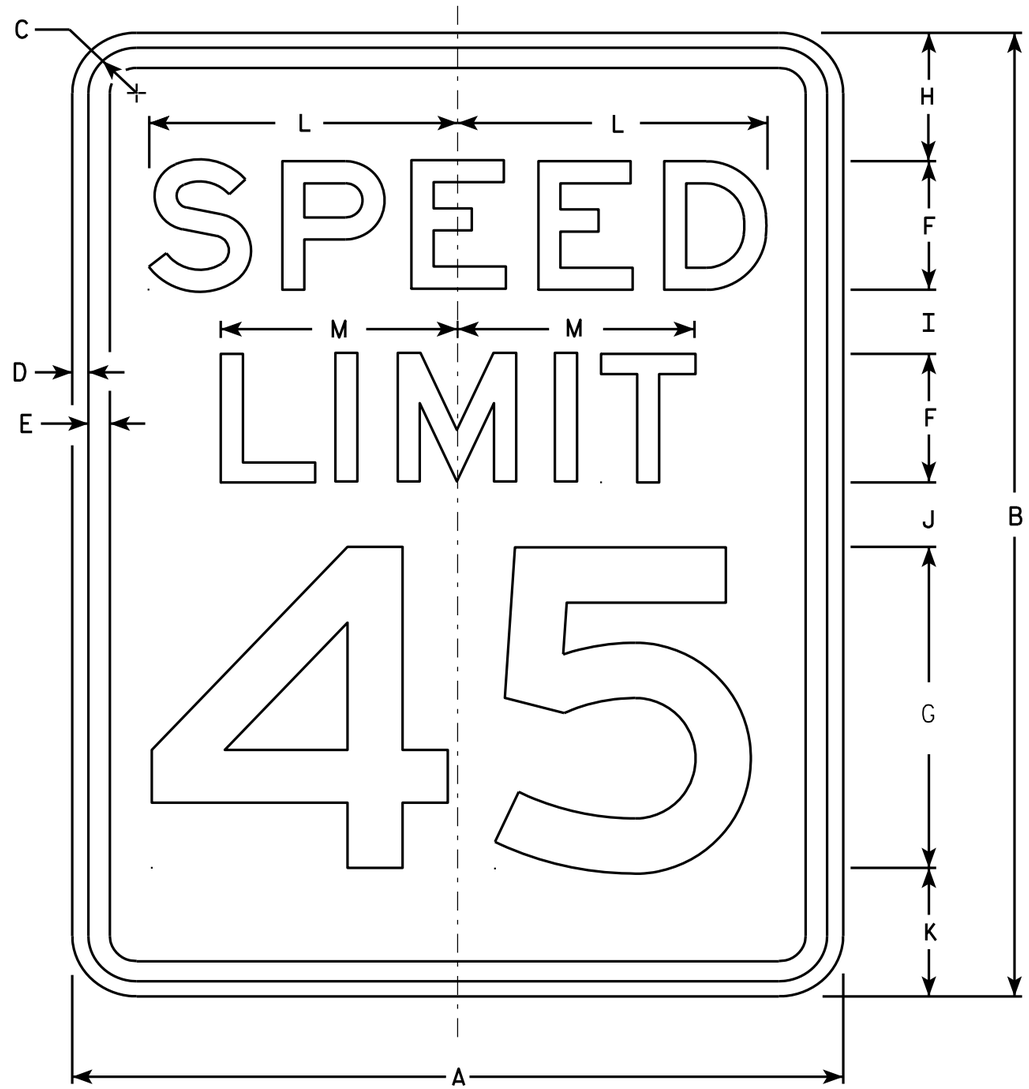
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/13/14 PLATE P1-2.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R12.DGN PLOT DATE : 13-OCT-2014 15:12 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.837526:1.000000
WISDOT/CADDS SHEET 42



R2-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

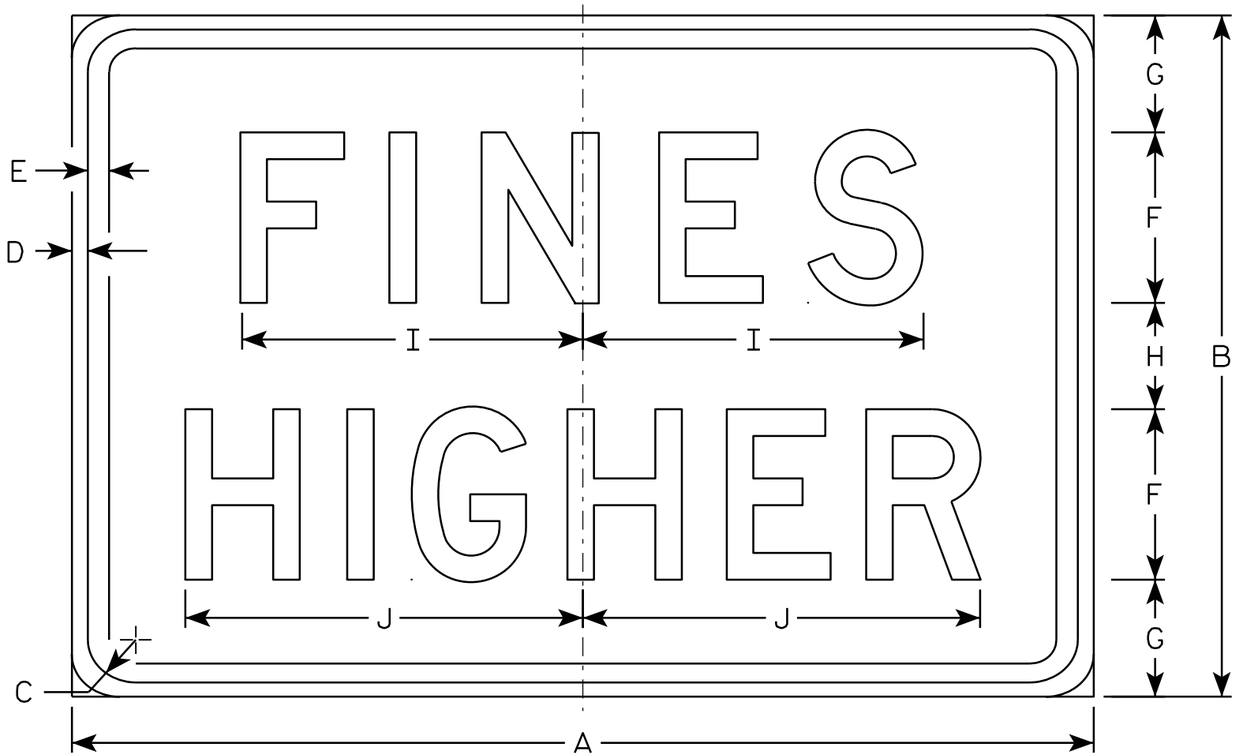
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 264	E



R2-6P

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	18	1 1/8	3/8	3/8	4	3 1/2	3	7 5/8	9 1/4																	3.0
2M	24	18	1 1/8	3/8	3/8	4	3 1/2	3	7 5/8	9 1/4																	3.0
3	36	24	1 1/8	3/8	1/2	6	4 1/8	3 3/4	12	14																	6.0
4	36	24	1 1/8	3/8	1/2	6	4 1/8	3 3/4	12	14																	6.0
5	48	36	1 3/8	1/2	5/8	8	7	6	15 1/8	19																	12.0

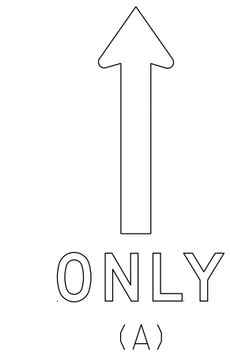
STANDARD SIGN
R2-6P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/20/10 PLATE NO. R2-6P.2

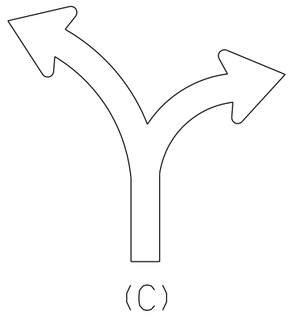
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 265 | E

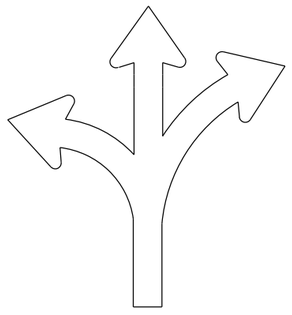


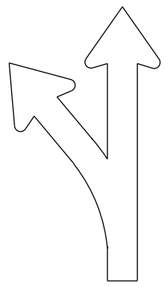
(A)

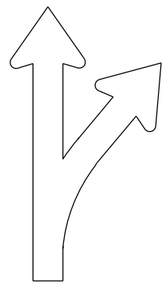


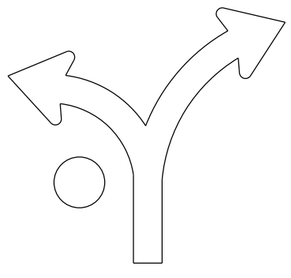
(B)

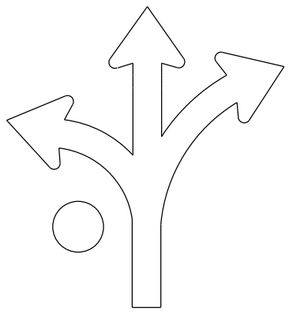

(C)

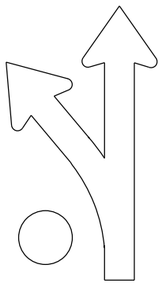

(D)


(E)


(F)

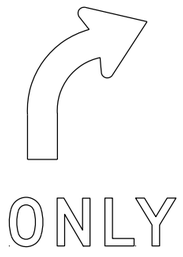

(G)


(H)

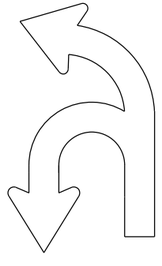

(I)



(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

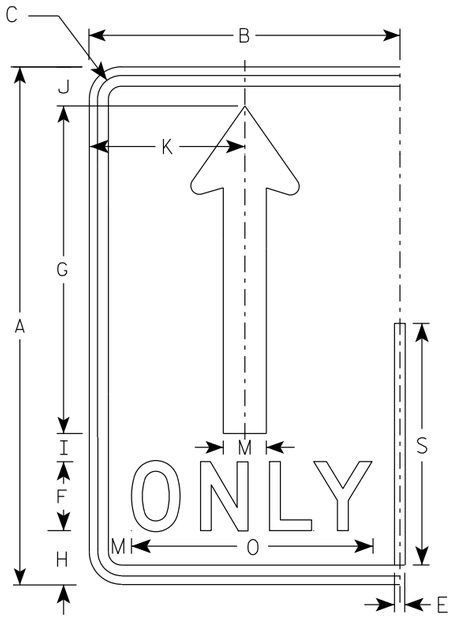
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

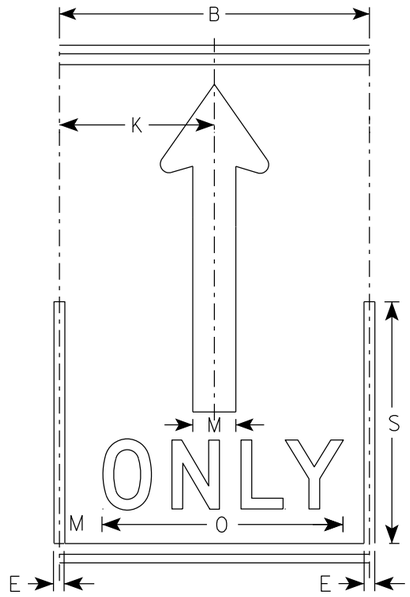
DATE 5/21/19 PLATE NO. R3-8.1

NOTES

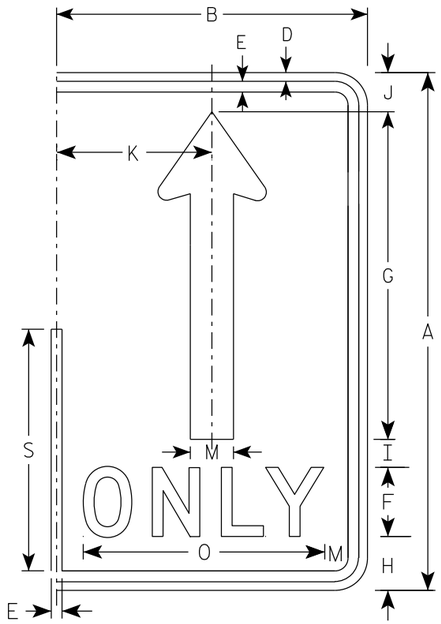
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



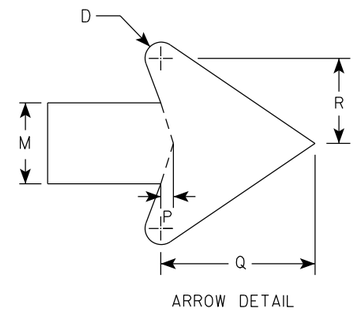
(A)



(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

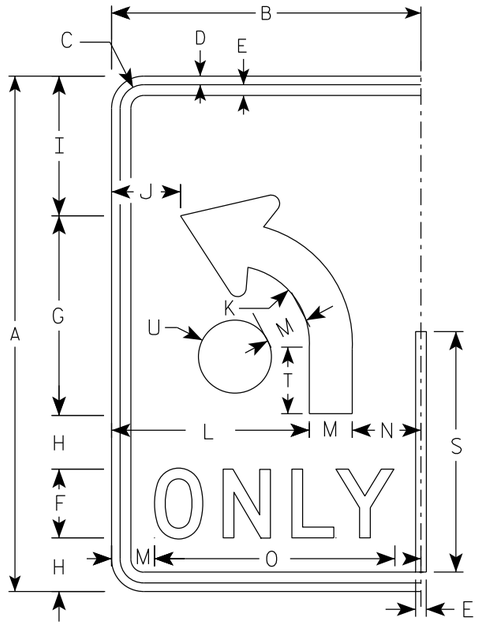
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

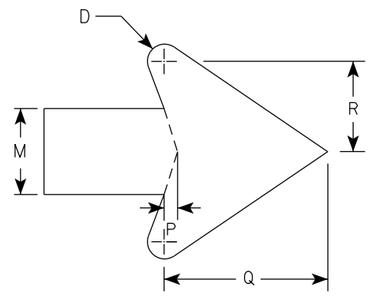
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 267 | E

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

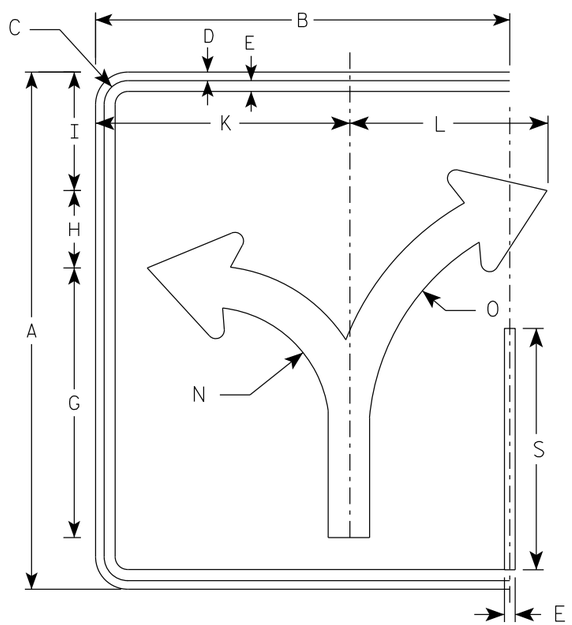
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

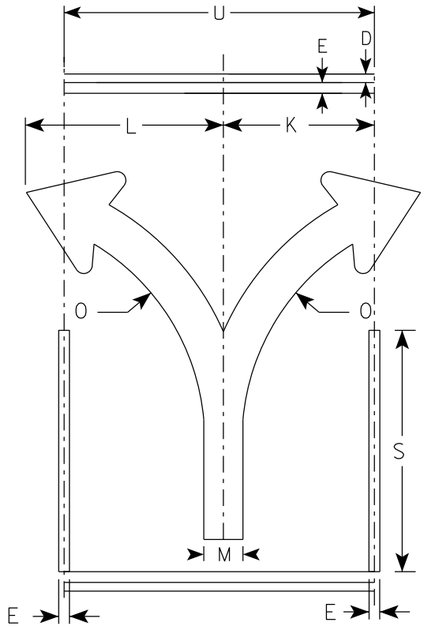
SHEET NO: 268 E

NOTES

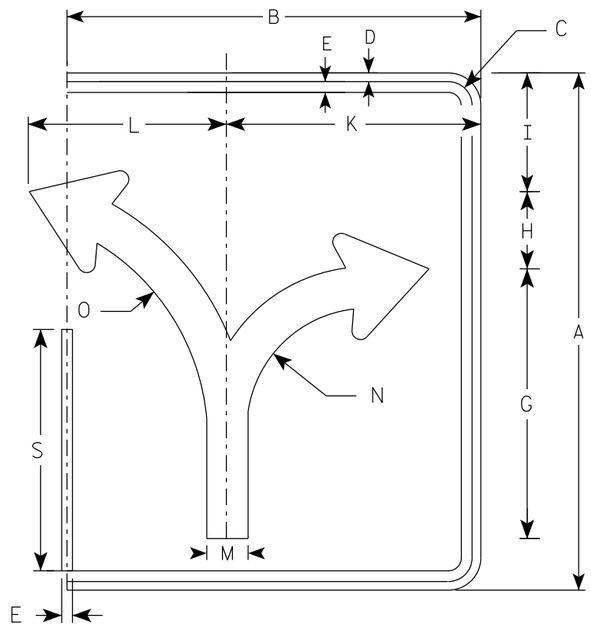
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



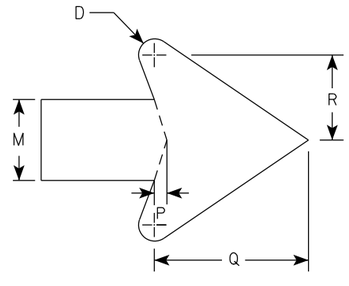
(C)



(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

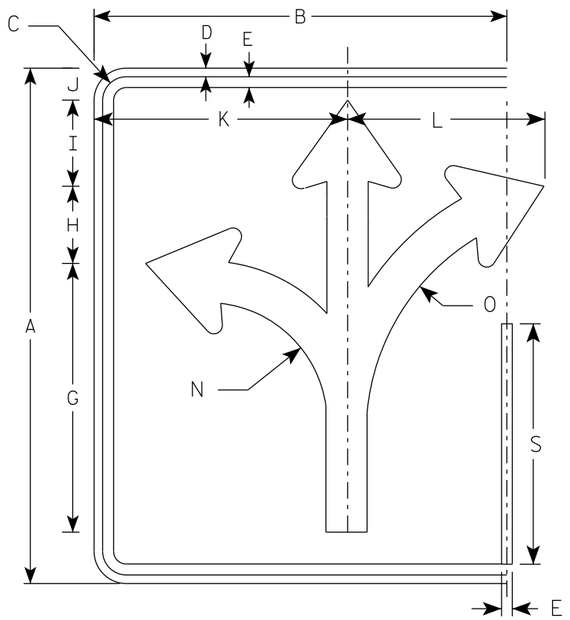
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

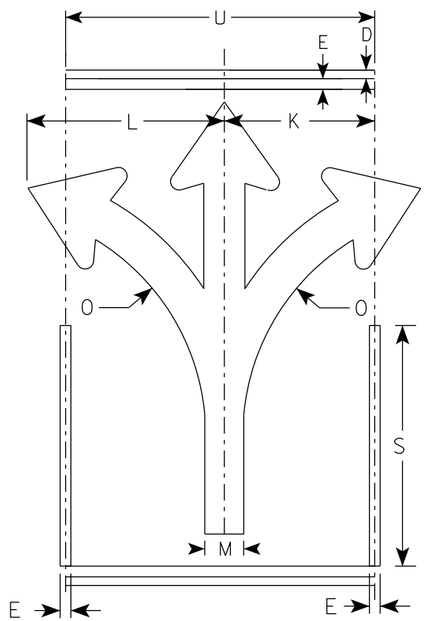
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 269 | E

NOTES

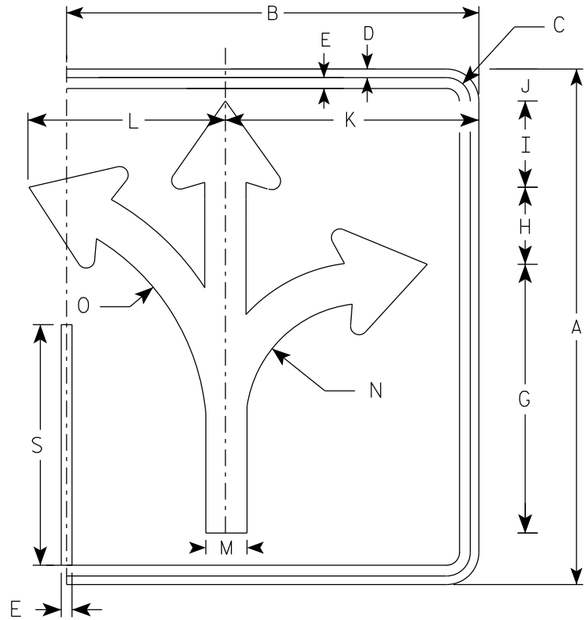
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



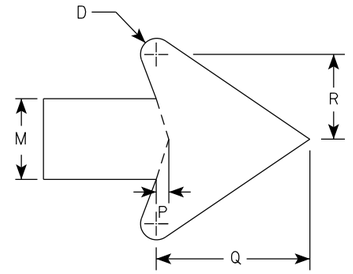
(D)



(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

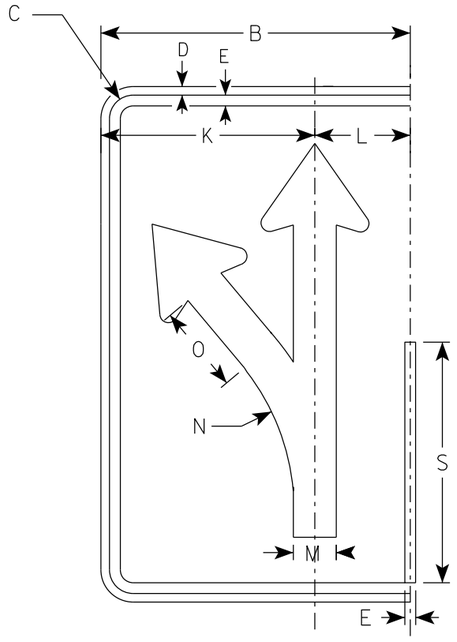
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

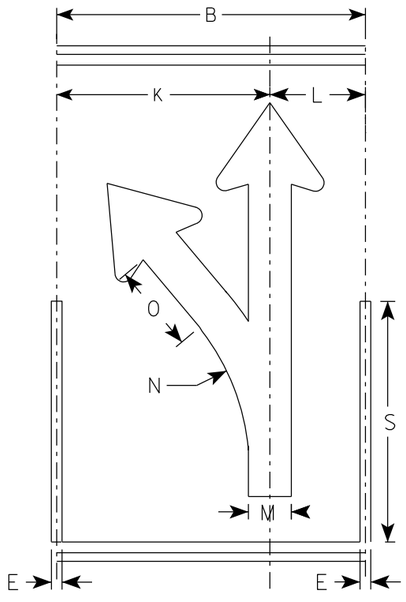
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 270 | E

NOTES

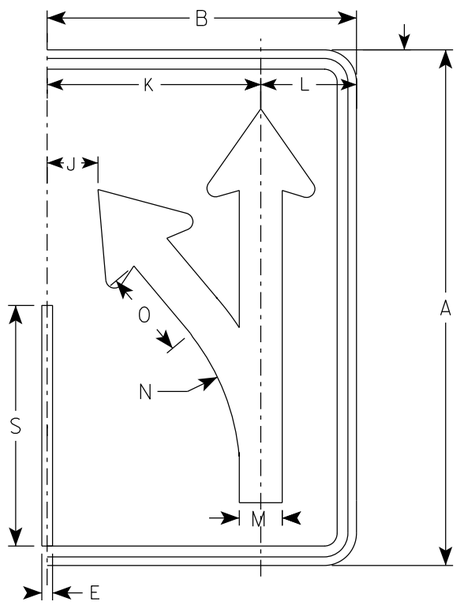
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



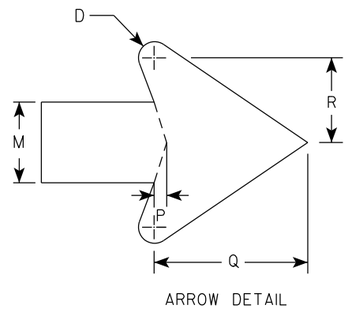
(E)



(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

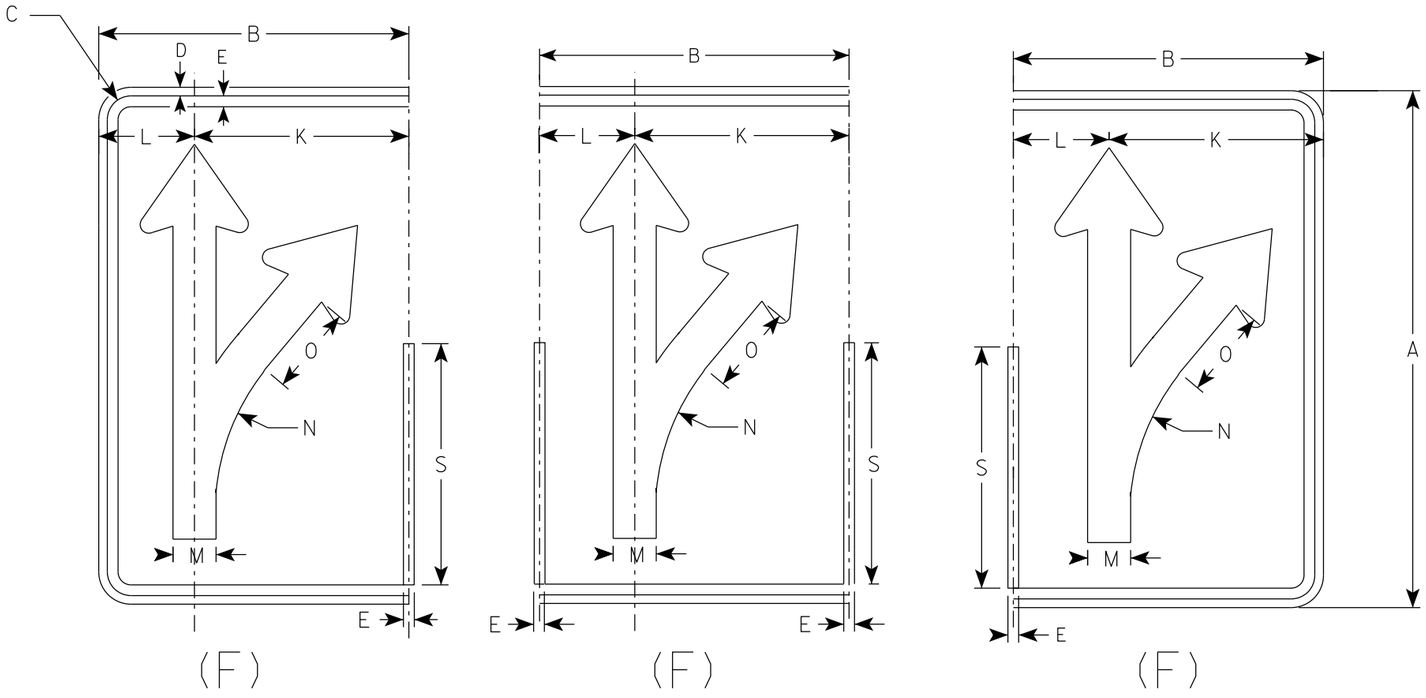
APPROVED Matthew R Rauch
For State Traffic Engineer

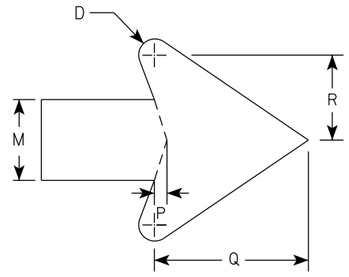
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 271 | E

NOTES

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





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

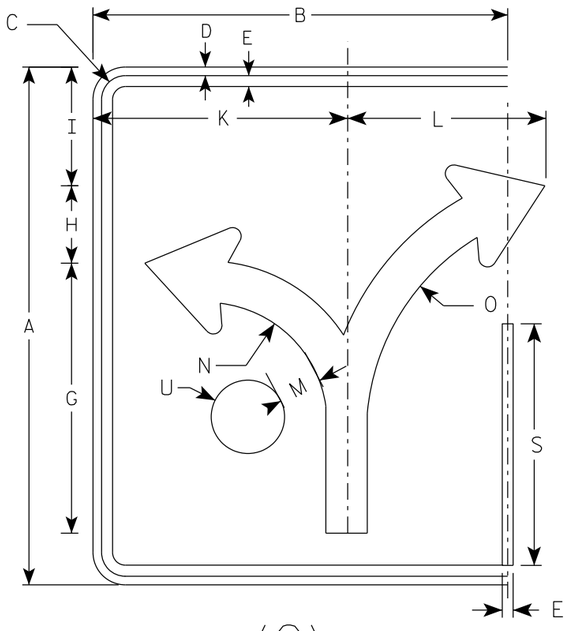
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

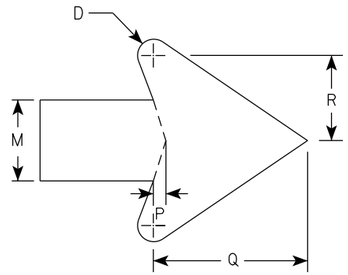
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 272 | E

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

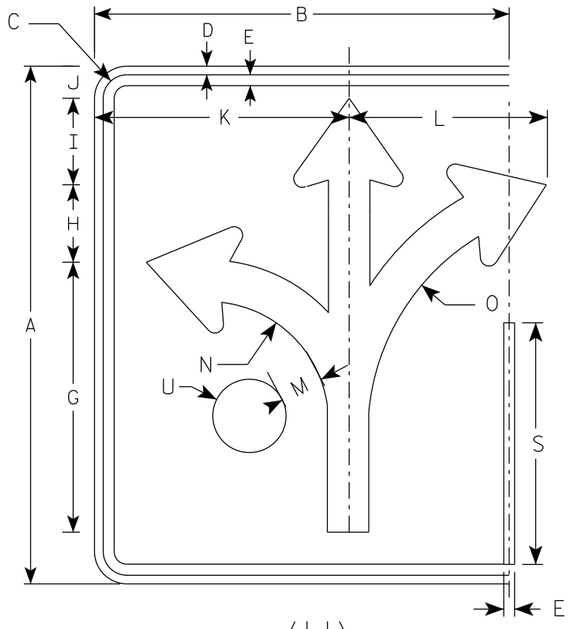
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

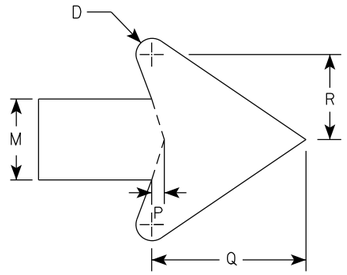
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 273 | E

NOTES

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



(H)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	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

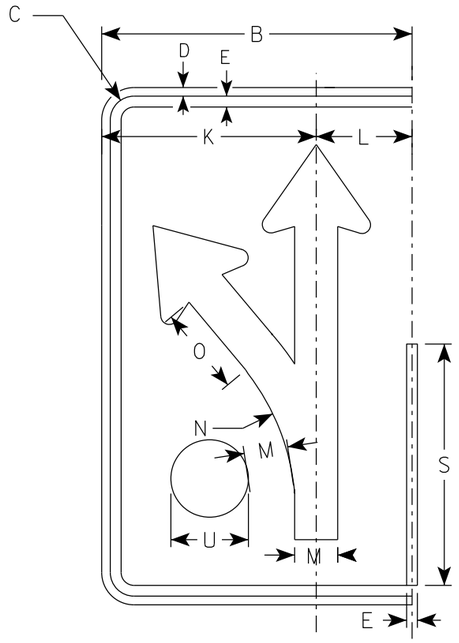
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

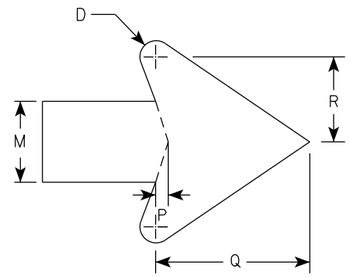
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 274	E

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

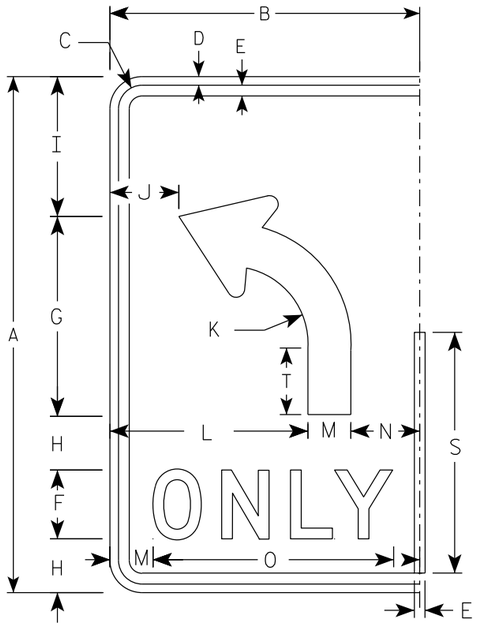
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

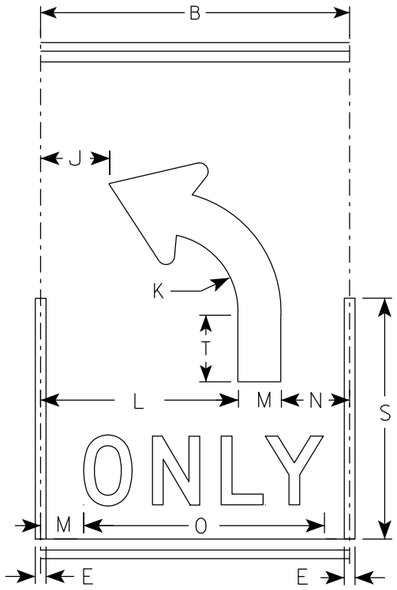
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 275 | E

NOTES

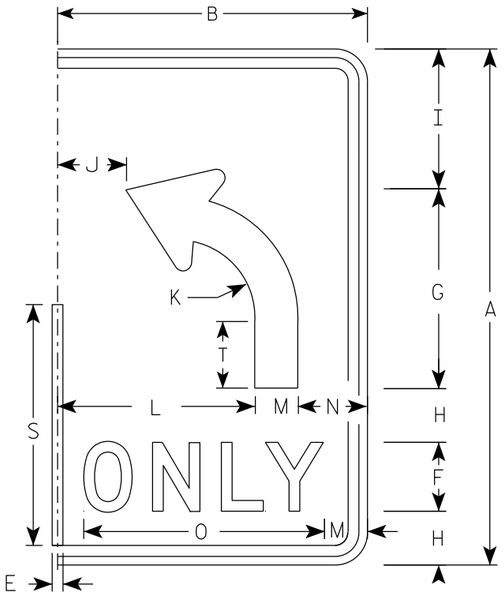
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



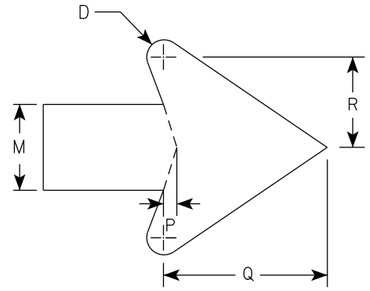
(L)



(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

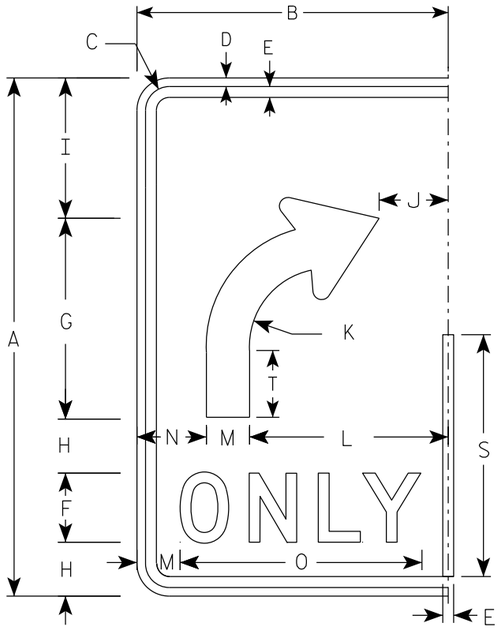
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

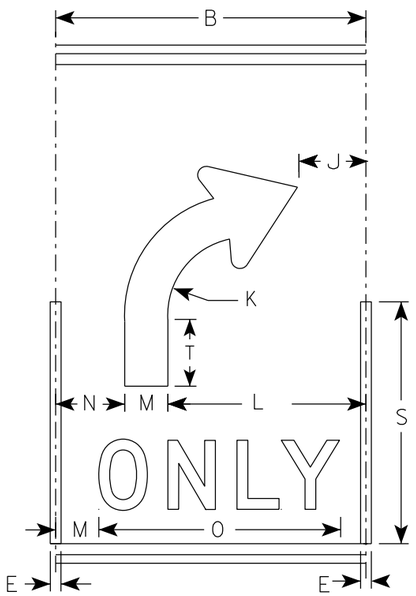
SHEET NO: 276 E

NOTES

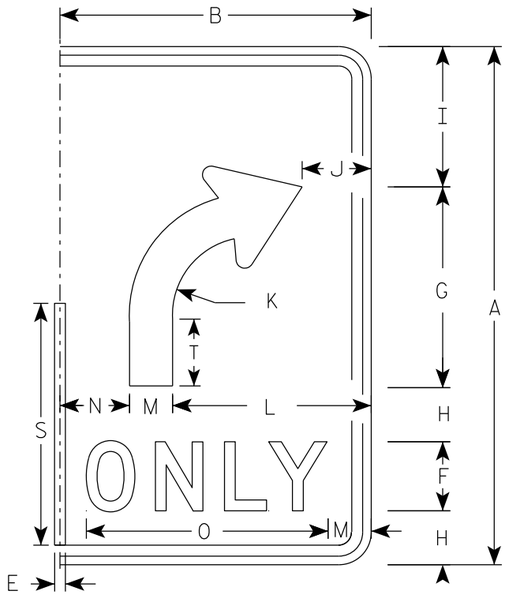
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



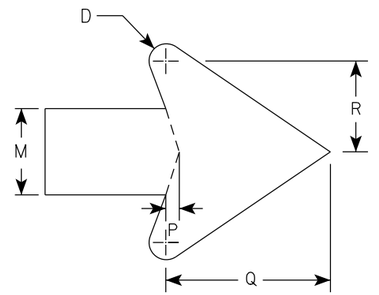
(R)



(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

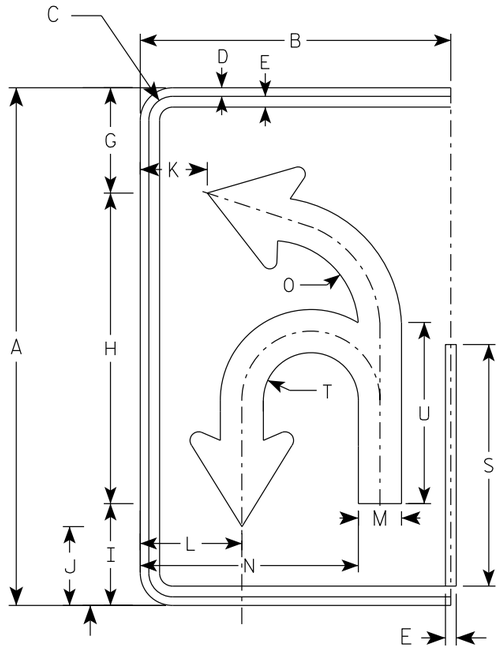
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

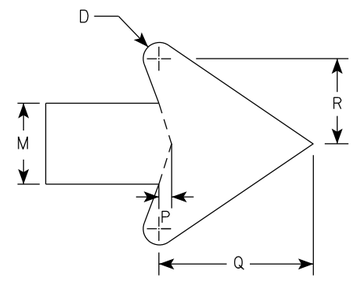
SHEET NO: 277 **E**

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

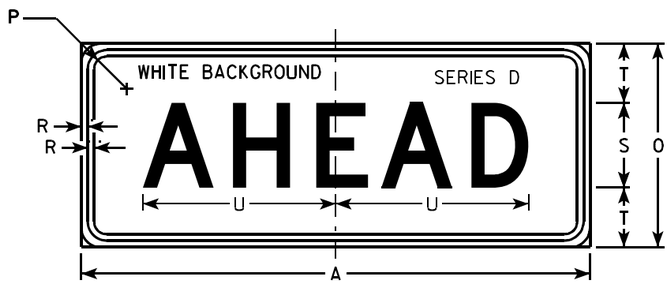
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 278 | E



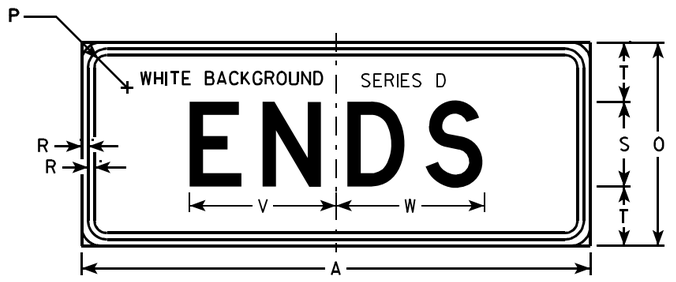
R3-17

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

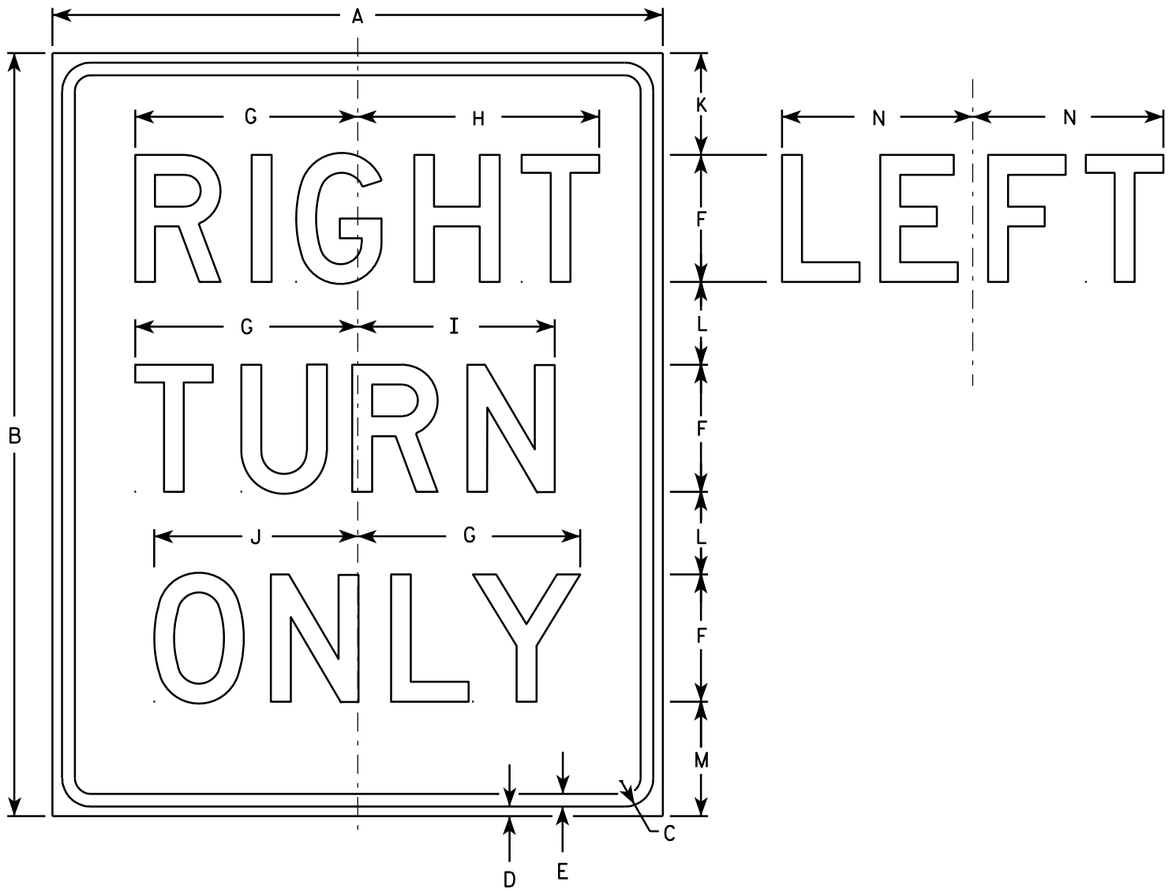
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/12/2011 PLATE NO. R3-17.2

PROJECT NO:

SHEET NO: 279 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

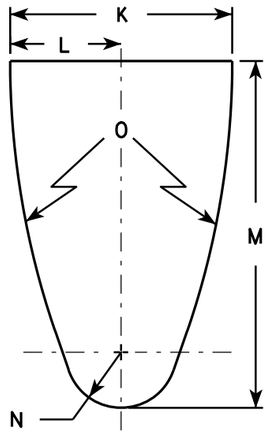
WISCONSIN DEPT OF TRANSPORTATION

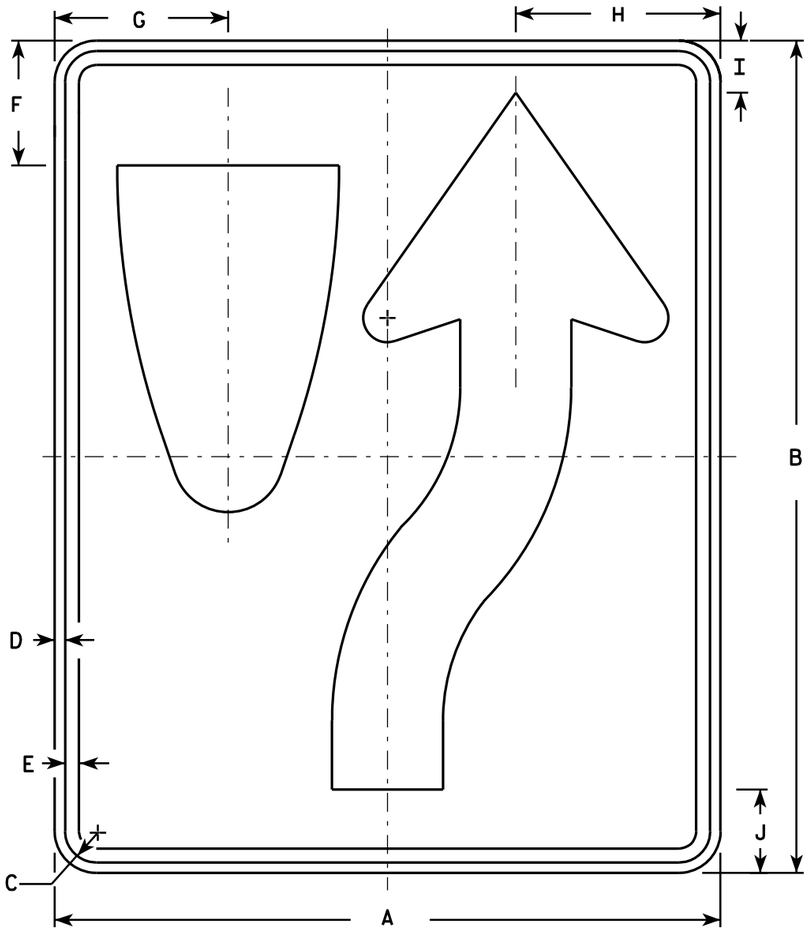
APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 3/24/2011 PLATE NO. R3-53.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 280 | 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

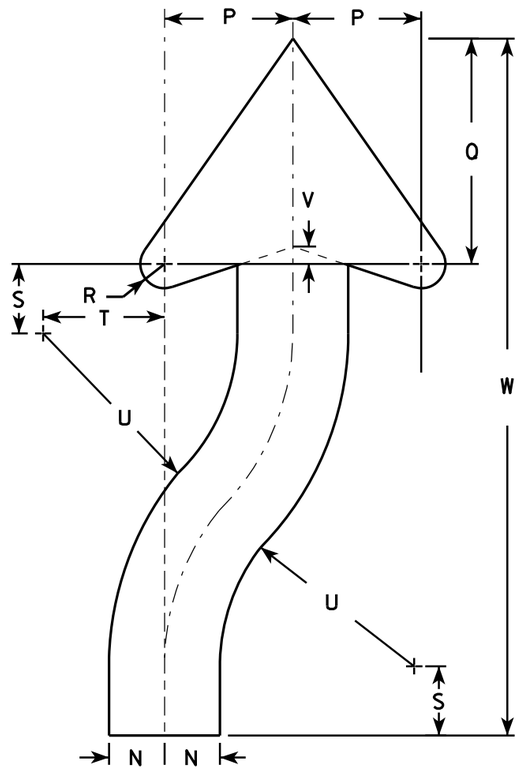




R4-7

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

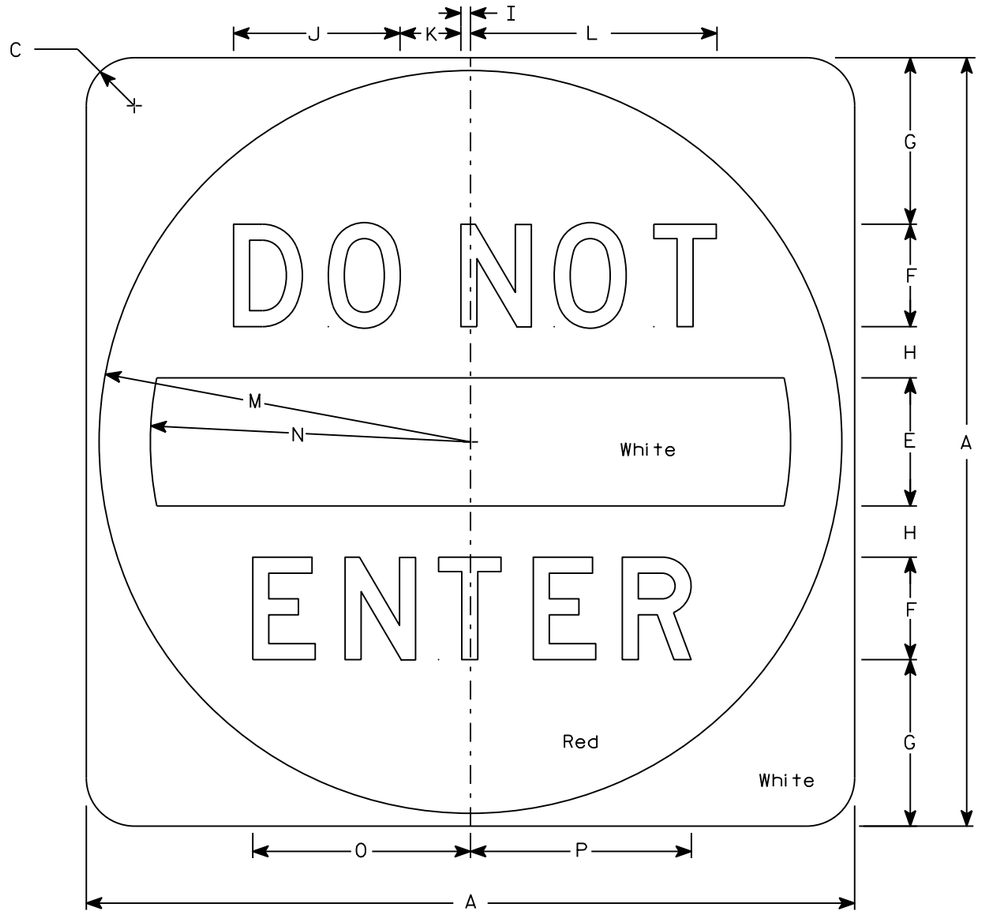
STANDARD SIGN
R4-7 & R4-8

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: 281	E



R5-1

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 7/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 5/8	14 1/2	12 1/2	8 1/2	8 5/8											6.25
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 7/8											16.0

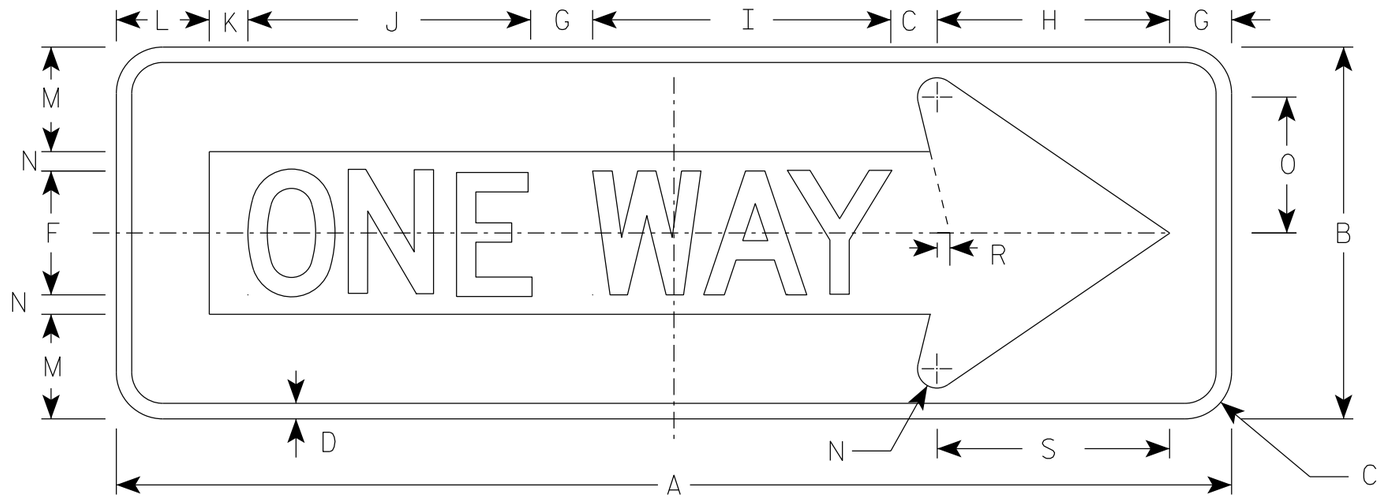
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/18 PLATE NO. R5-1.16

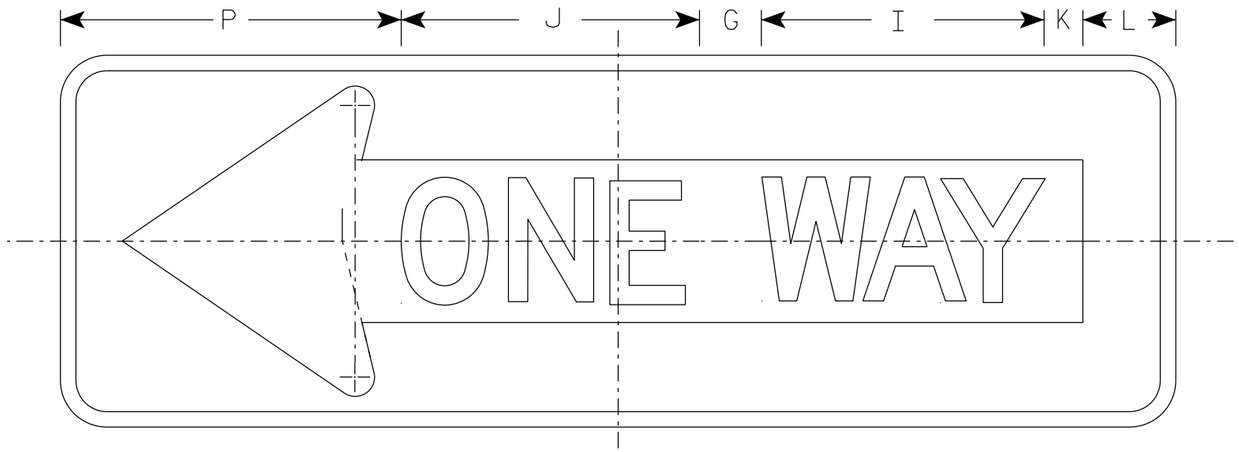
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 282 | E



R6-1R

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - BLACK
   Message - BLACK LEGEND & WHITE ARROW & BORDER
3. Message Series - D



R6-1L

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	36	12	1 1/2	1/2		4	2	7 1/2	9 5/8	9 1/8	1 1/4	3	3 3/8	5/8	4 3/8	11		3/8	7 1/2								3.0
2M	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
3	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
4	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
5																											

STANDARD SIGN
R6-1 L & R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

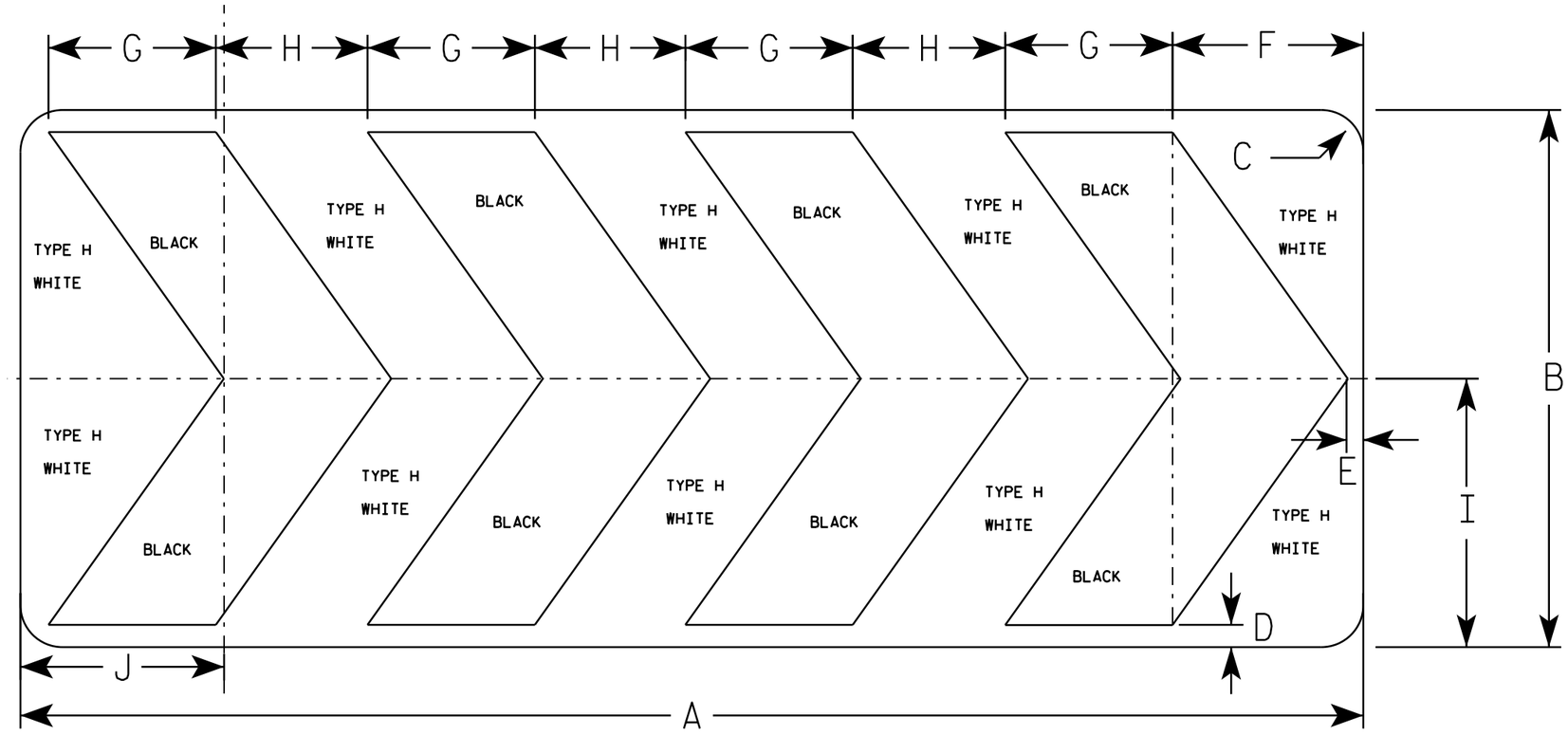
DATE 07/11/18 PLATE NO. R6-1.3

PROJECT NO:

SHEET NO: 283 E

NOTES

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



R6-4B

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	24	1 7/8	1	3/4	8 1/2	7 1/2	6 3/4	12	9 1/8																	10.0
2M	60	24	1 7/8	1	3/4	8 1/2	7 1/2	6 3/4	12	9 1/8																	10.0
3																											
4																											
5																											

STANDARD SIGN
R6-4B

WISCONSIN DEPT OF TRANSPORTATION

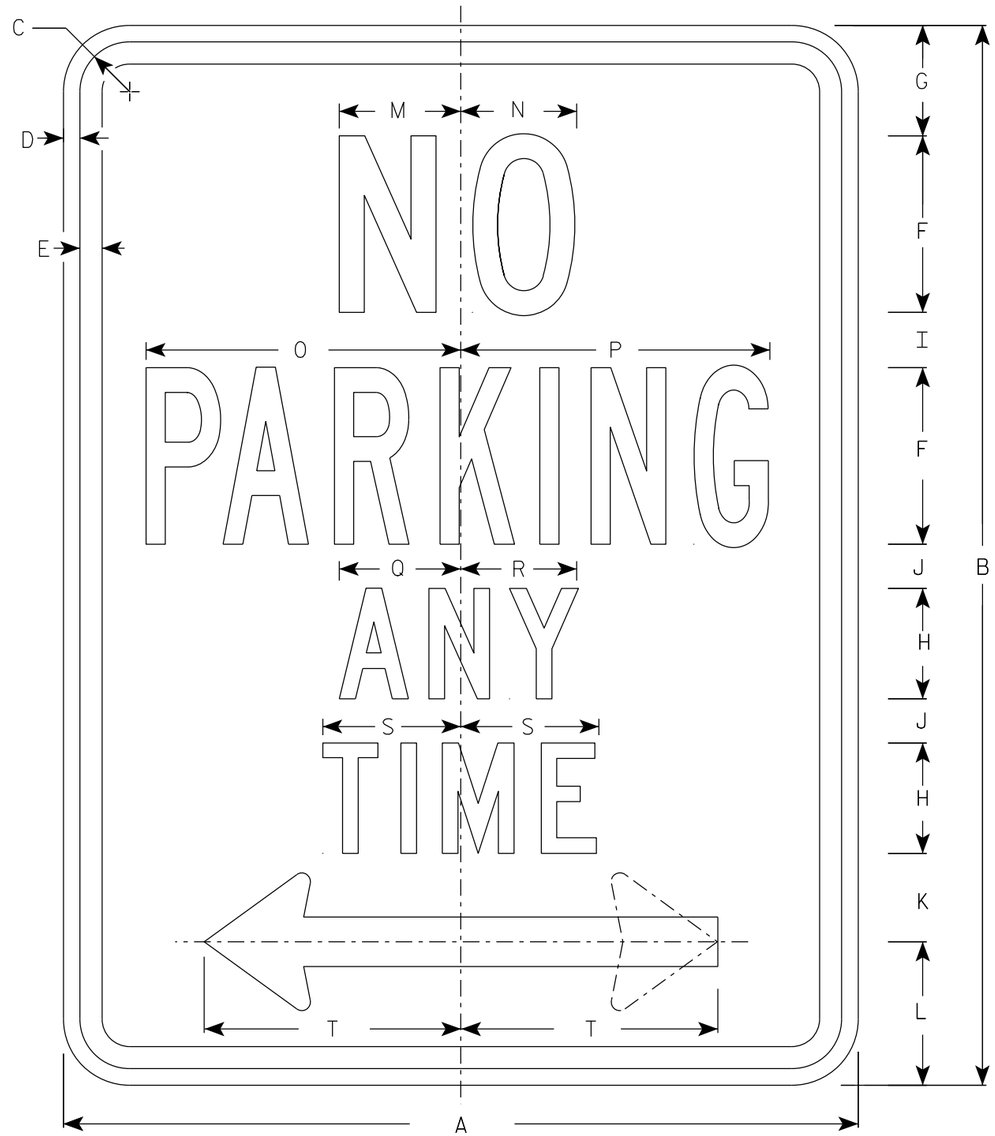
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/21/14 PLATE NO. R6-4.3

PROJECT NO: SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R64B.DGN PLOT DATE : 21-AUG-2014 15:01 PLOT BY : mscsja

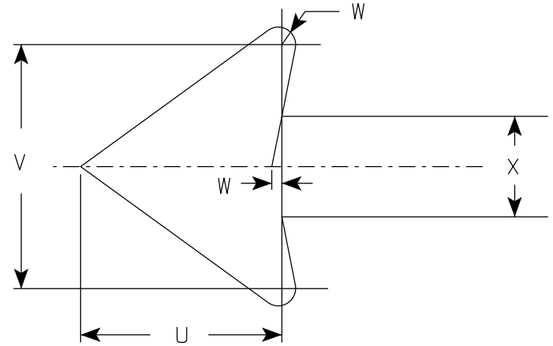
WISDOT/CADDS SHEET 42



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: 285 E

7

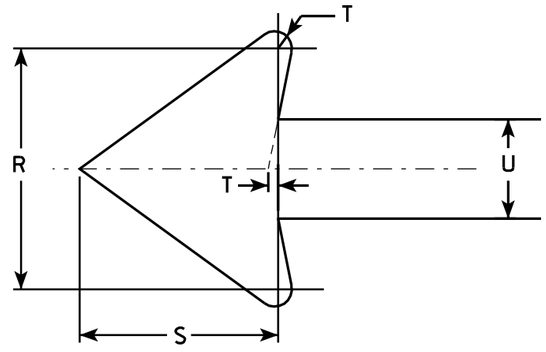
7



R7-5

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 - Green
3. Message Series - See Note 7
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 as required & adjust spacing to achieve proper balance.
6. R7-5D (double arrow)
   R7-5L (left arrow)
   R7-5R (right arrow)
7. Lines 1, 2 & 3 are series C Copy
   Line 4 Series B Copy.



* - 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	12	18	1 1/8	3/8	3/8	2	2	2 1/4	1 1/4	4	2 1/2	2 1/8	2	2 7/8	4 5/8	4 1/2	3 7/8	1 3/4	1 1/2	1/8	3/4						1.5
2S	18	24	1 1/8	3/8	1/2	3	3	2 5/8	1 1/4	5 5/8	3 1/4	3 1/8	3 1/8	4 1/4	6 7/8	6 3/4	5 7/8	2 5/8	2 1/4	1/4	1 1/8						3.0
2M	24	30	1 1/8	3/8	1/2	4	3	3	2	6	3 1/2	4 1/4	4 1/8	5 3/4	9 1/8	9 1/8	7 3/4	3 1/2	3	1/4	1 1/2						5.0
3	24	30	1 1/8	3/8	1/2	4	3	3	2	6	3 1/2	4 1/4	4 1/8	5 3/4	9 1/8	9 1/8	7 3/4	3 1/2	3	1/4	1 1/2						5.0
4																											
5																											

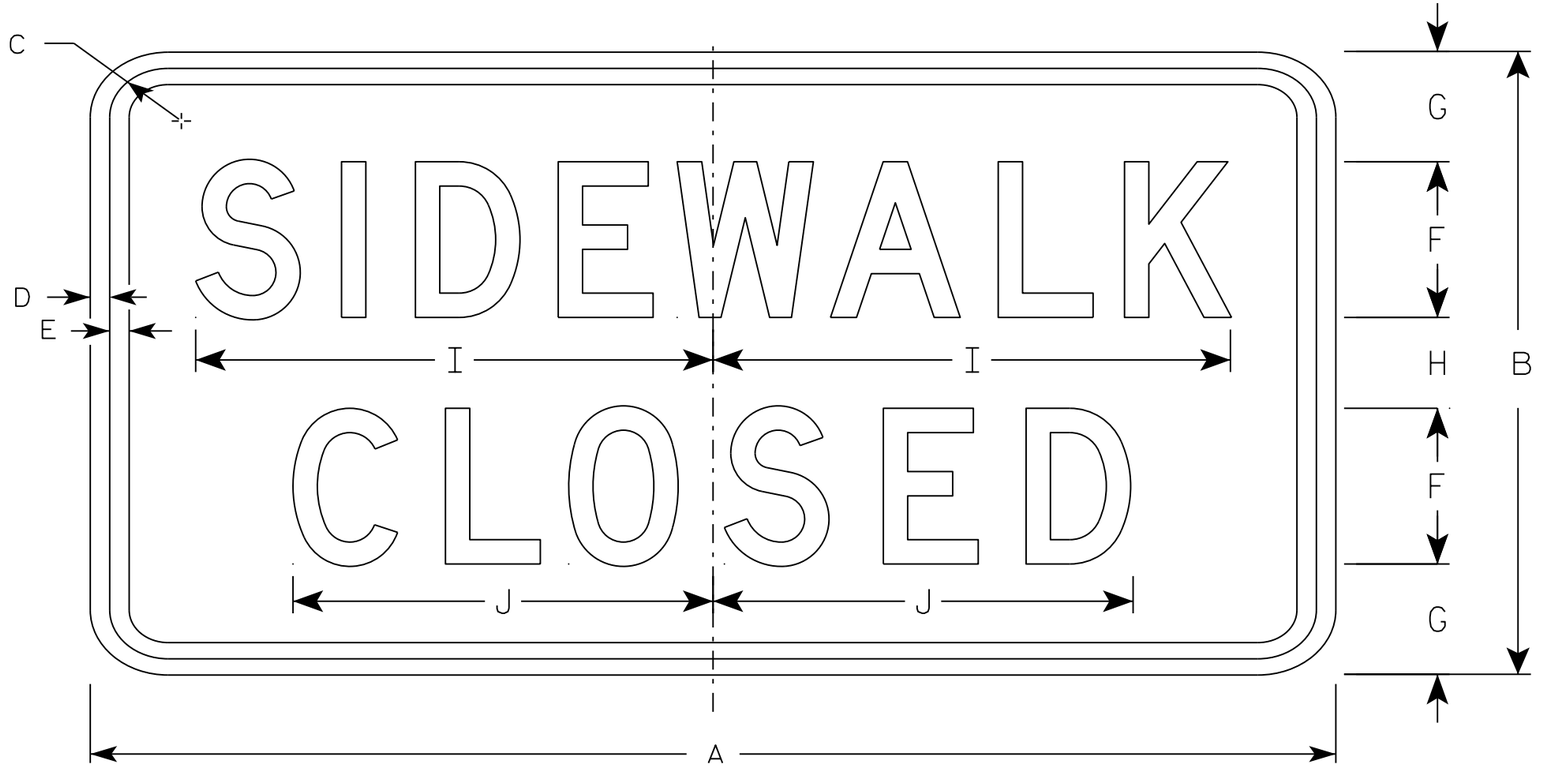
STANDARD SIGN
R7-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 03/31/2011 PLATE NO. R7-5.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 286	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

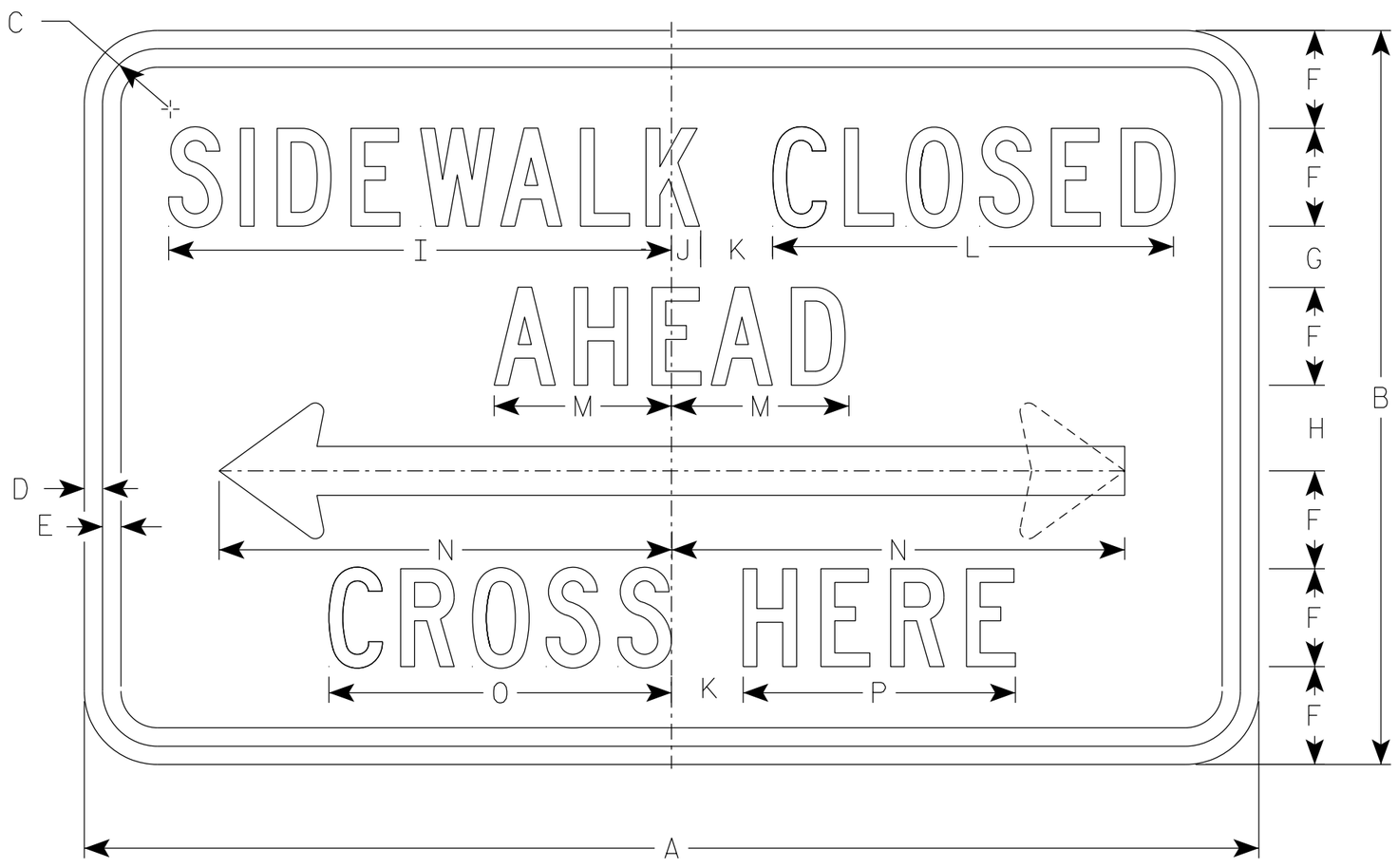
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

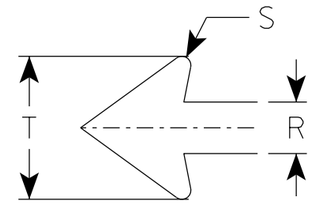
DATE 8/11/16 PLATE 287 R9-9.6

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

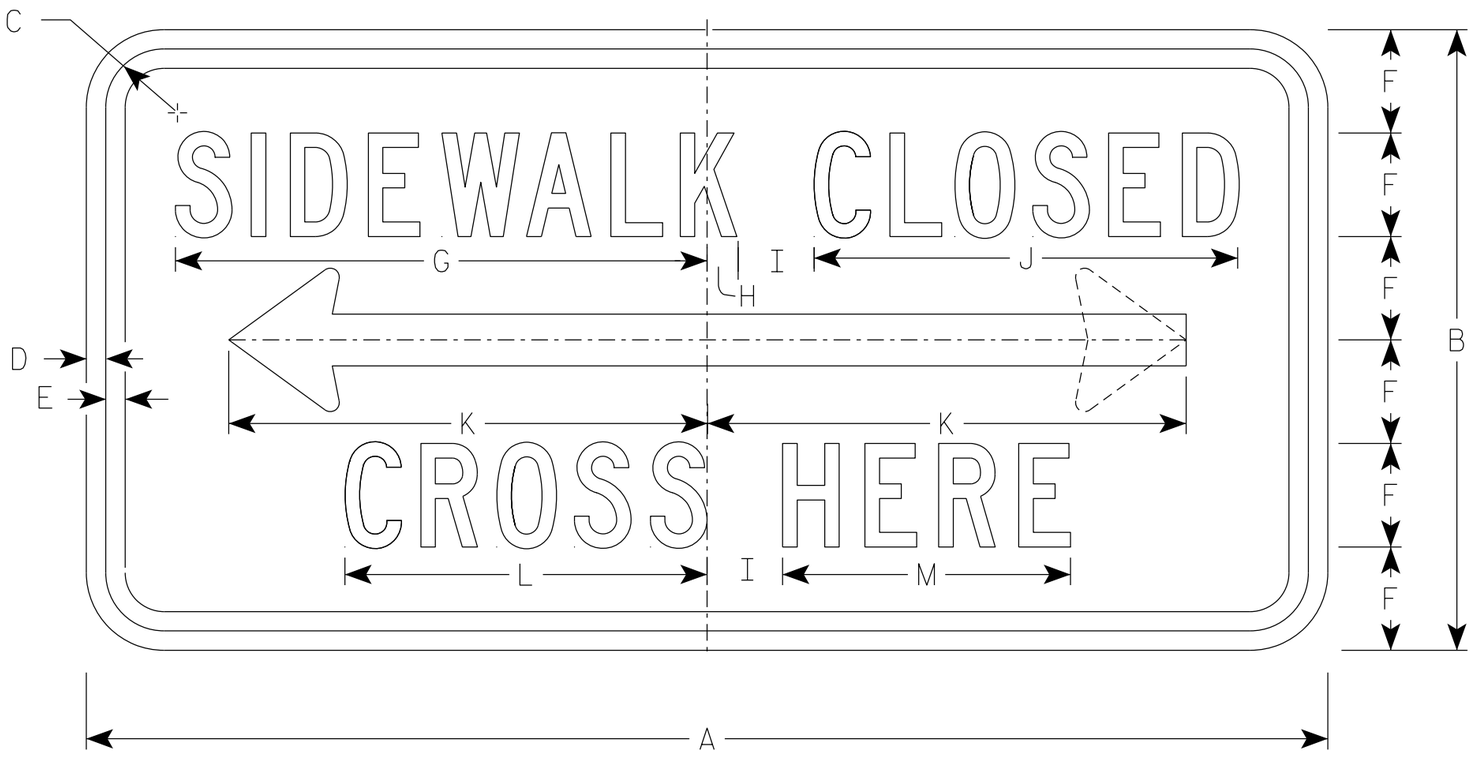
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 3/30/2021 PLATE NO. R9-11.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 288 | E

7

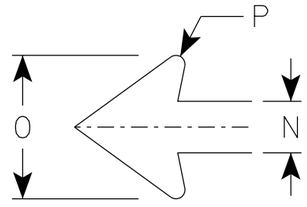
7



R9-11A

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Use Size 2 for Sidewalks. Use Size 3 for paths and Trails.
6. R9-11AD (double arrow)
   R9-11AL (left arrow)
   R9-11AR (right arrow)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	2	10 1/4	5/8	1 1/2	8 1/4	9 1/4	7	5 5/8	1	2 3/4	1/8											2.0
2M	24	12	1 1/8	3/8	3/8	2	10 1/4	5/8	1 1/2	8 1/4	9 1/4	7	5 5/8	1	2 3/4	1/8											2.0
3	30	15	1 1/8	3/8	1/2	2 1/2	12 3/4	1/2	2	10 1/4	12 3/8	8 5/8	6 3/4	1 1/4	3 5/8	1/4											3.125
4																											
5																											

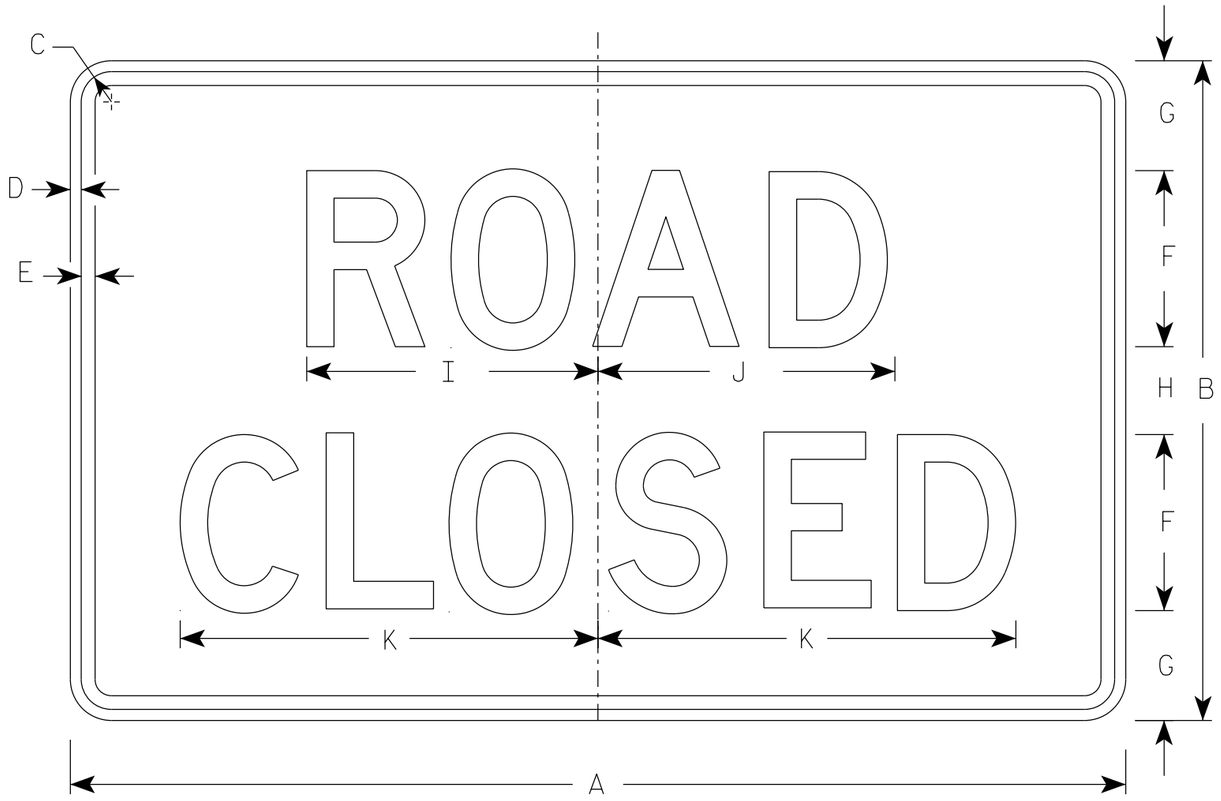
STANDARD SIGN
R9-11A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2021 PLATE NO. R9-11A.5

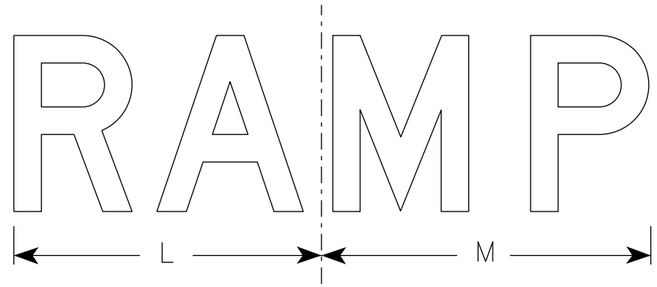
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 289 | E



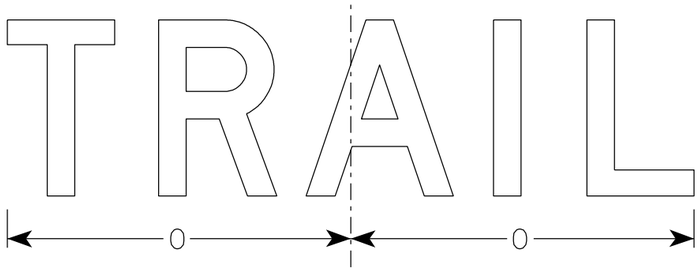
R11-2

NOTES

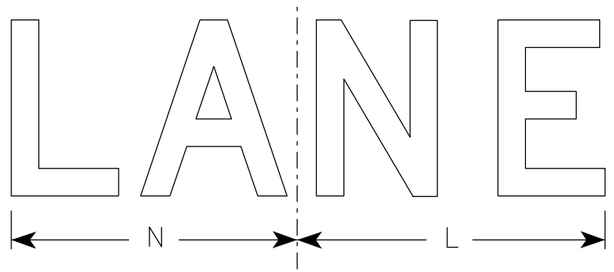
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the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



R11-2R



R11-2T



R11-2L

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

STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

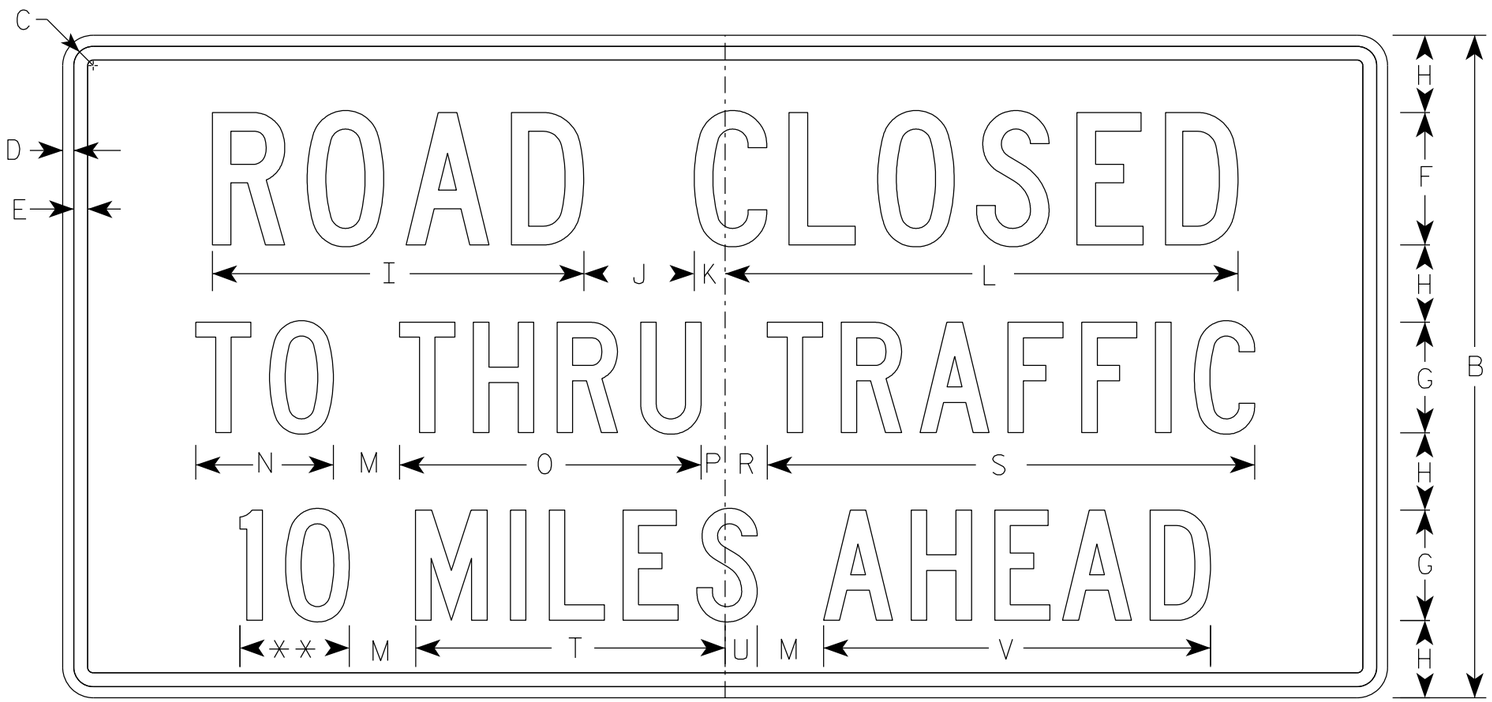
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2021 PLATE NO. R11-2.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 290	E

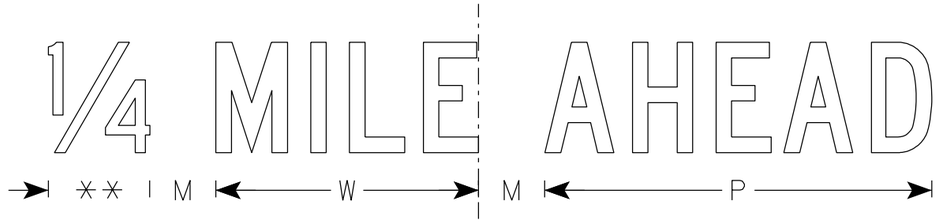
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals to nearest quarter mile and optically adjust spacing to achieve proper balance.



R11-3

** See Note 5



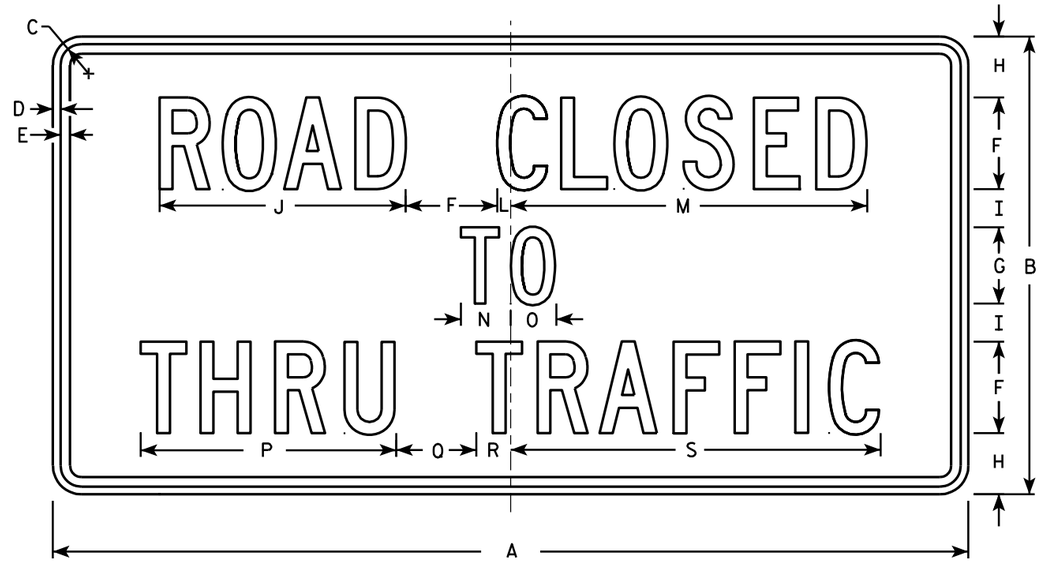
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/4	3/8	3/8	4	3	2	11 1/4	3	1 1/8	15 3/8	2	3 3/4	8 1/4	5/8		1 3/8	13 1/4	8 3/8	7/8	10 1/2	7 1/8				4.5
2S	60	30	1 3/8	1/2	5/8	6	5	3 1/2	16 7/8	5	1 3/8	23 1/4	3	6 1/4	13 5/8	1 1/8		1 7/8	22 1/8	14	1 1/2	17 1/2	11 7/8				12.5
2M	60	30	1 3/8	1/2	5/8	6	5	3 1/2	16 7/8	5	1 3/8	23 1/4	3	6 1/4	13 5/8	1 1/8		1 7/8	22 1/8	14	1 1/2	17 1/2	11 7/8				12.5
3																											
4																											
5																											

STANDARD SIGN
R11-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 6/14/2021 PLATE NO. R11-3.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 291 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																											

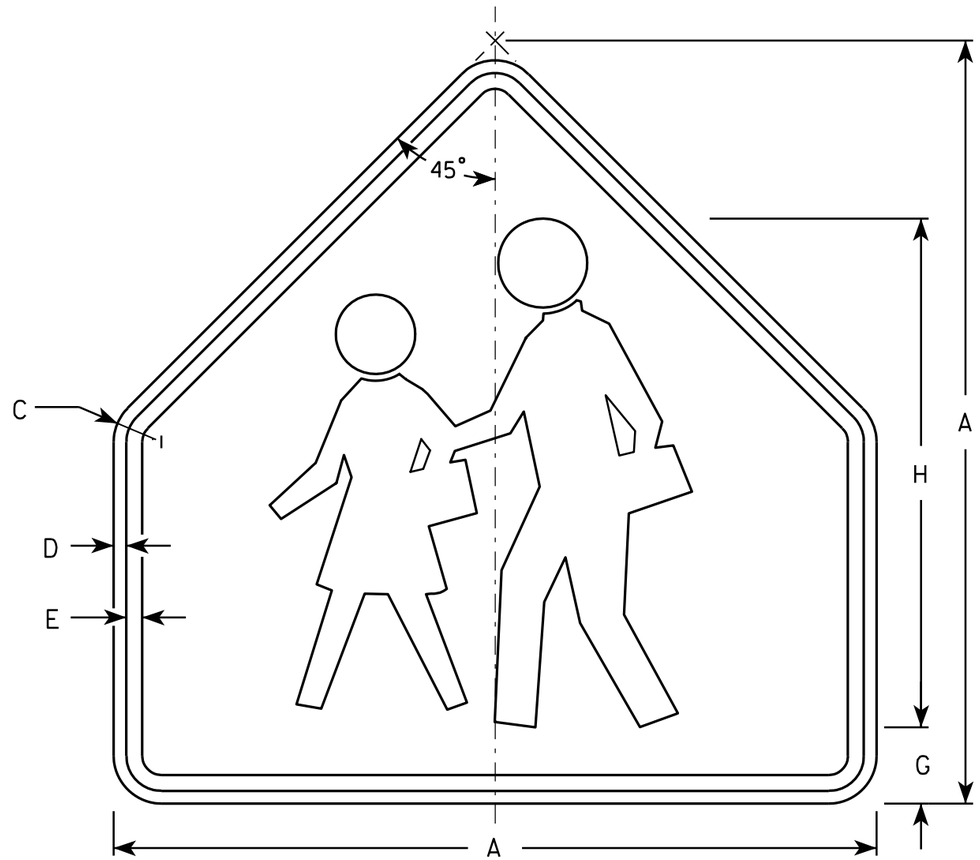
STANDARD SIGN
R11 - 4

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: 292 | 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																											

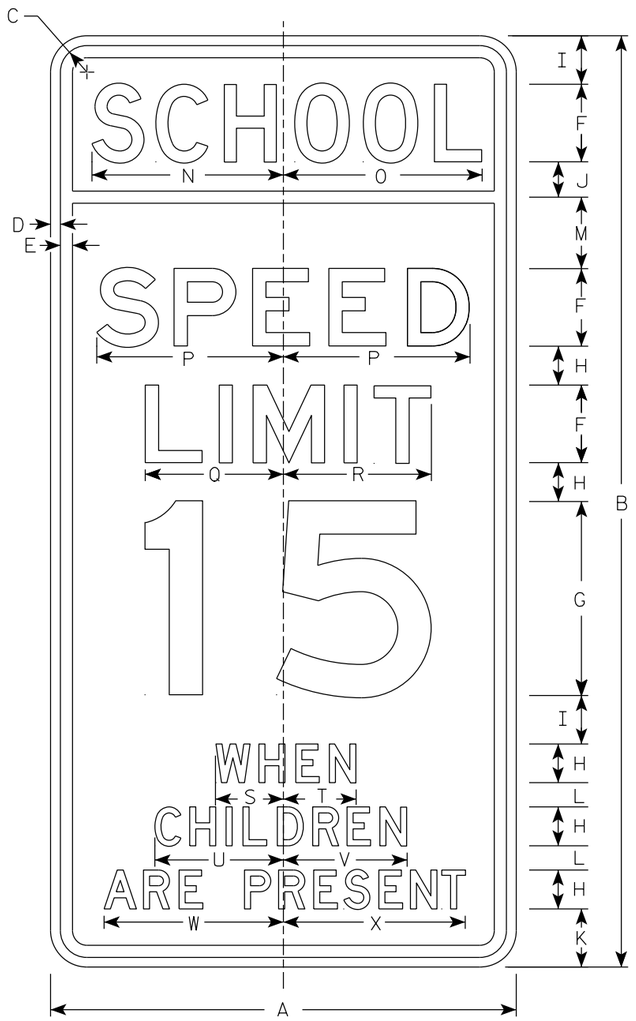
STANDARD SIGN
S1-1

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: 293	E



S4-51

NOTES

1. Sign is Type II - See Note 2 for Sheeting Type
2. Color:
   Background - See Note 4
   Message - Black
3. Message Series - See Note 5
4. Top panel (SCHOOL) background - Yellow Green - Type F Reflective
   Lower panel background - White - Type SH Reflective
5. From top to bottom:
   Lines 1, 5, 6 & 7 are series D
   Lines 2, 3 & 4 are series E
6. Line 4 substitute appropriate numerals and 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																											
2	24	48	1 3/8	1/2	5/8	4	10	2	2 1/2	1 3/4	3	1 1/4	3 3/4	9 7/8	10 1/4	9 5/8	7 1/8	7 5/8	3 1/2	3 3/8	6 5/8	6 3/8	9 1/4	9 3/8			8.00
3	36	72	2 1/4	3/4	1	6	15	3	3 3/4	2 3/4	4 1/2	1 7/8	5 1/2	15	15 1/4	14 1/2	11 1/4	11 1/2	5 1/2	5 3/4	10	9 3/4	14	14 1/8			18.00
4																											
5																											

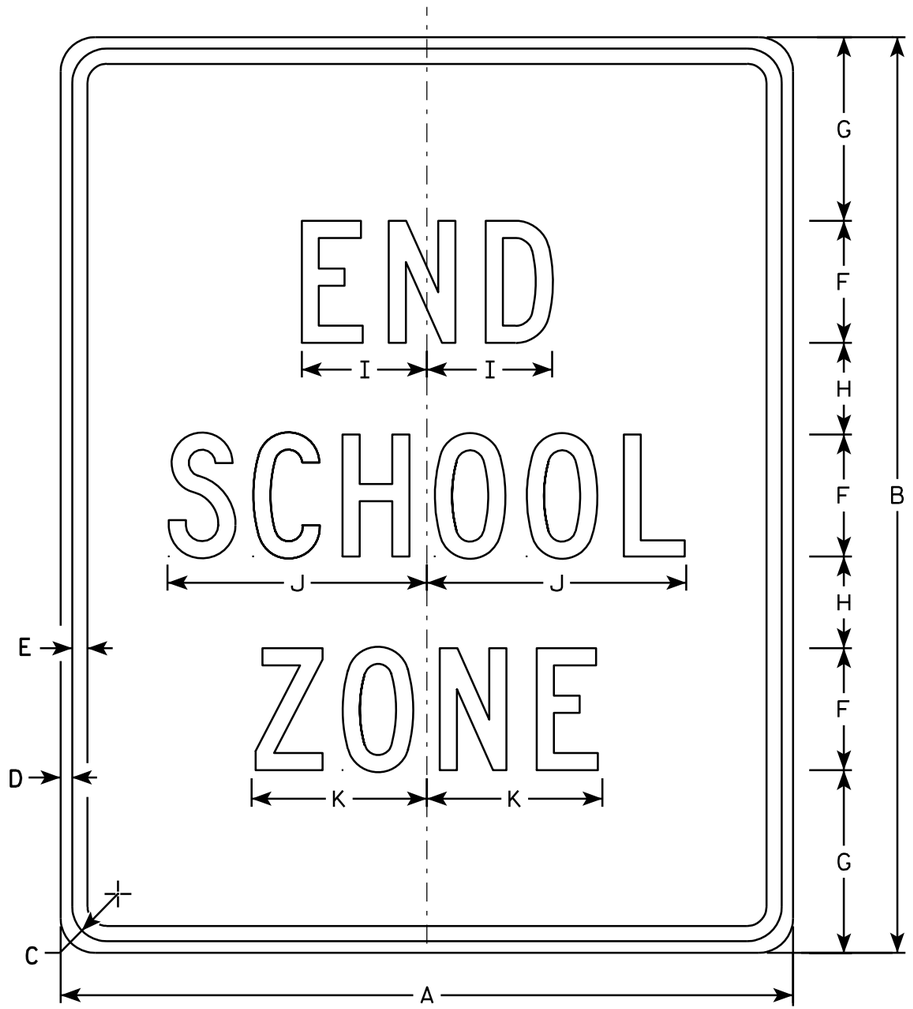
STANDARD SIGN
S4-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/27/2020 PLATE NO. S4-51.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 294 E



S5-2

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 - 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																											
2	24	30	1 1/8	3/8	1/2	4	6	3	4 1/8	8 1/2	5 3/4																5.0
3	36	42	1 5/8	5/8	3/4	6	7	5	6 1/8	12 5/8	8 5/8																10.5
4																											
5																											

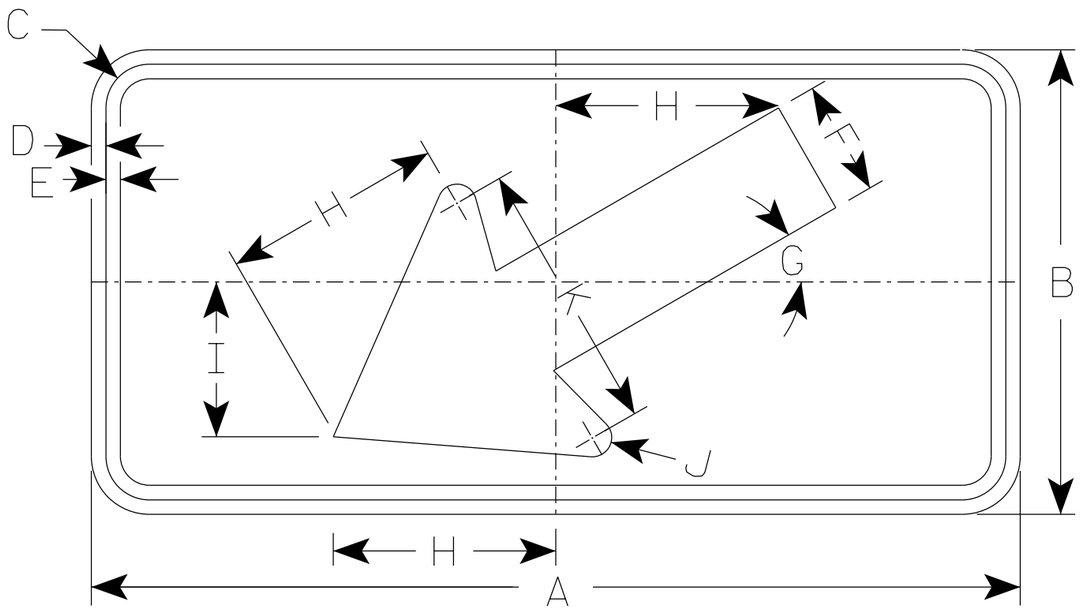
STANDARD SIGN
S5-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/8/11 PLATE NO. S5-2.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 295 | E



S16-7L

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow-Green
   Message - Black
3. S16-7R are the same as S16-7L except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	12	1 1/8	3/8	3/8	3	30°	5 3/4	4	1/2	7																2.0
2S	30	18	1 1/8	3/8	1/2	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
2M	30	18	1 1/8	3/8	1/2	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
3	30	18	1 1/8	3/8	1/2	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
4	48	24	1 3/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0
5																											

STANDARD SIGN
S16-7

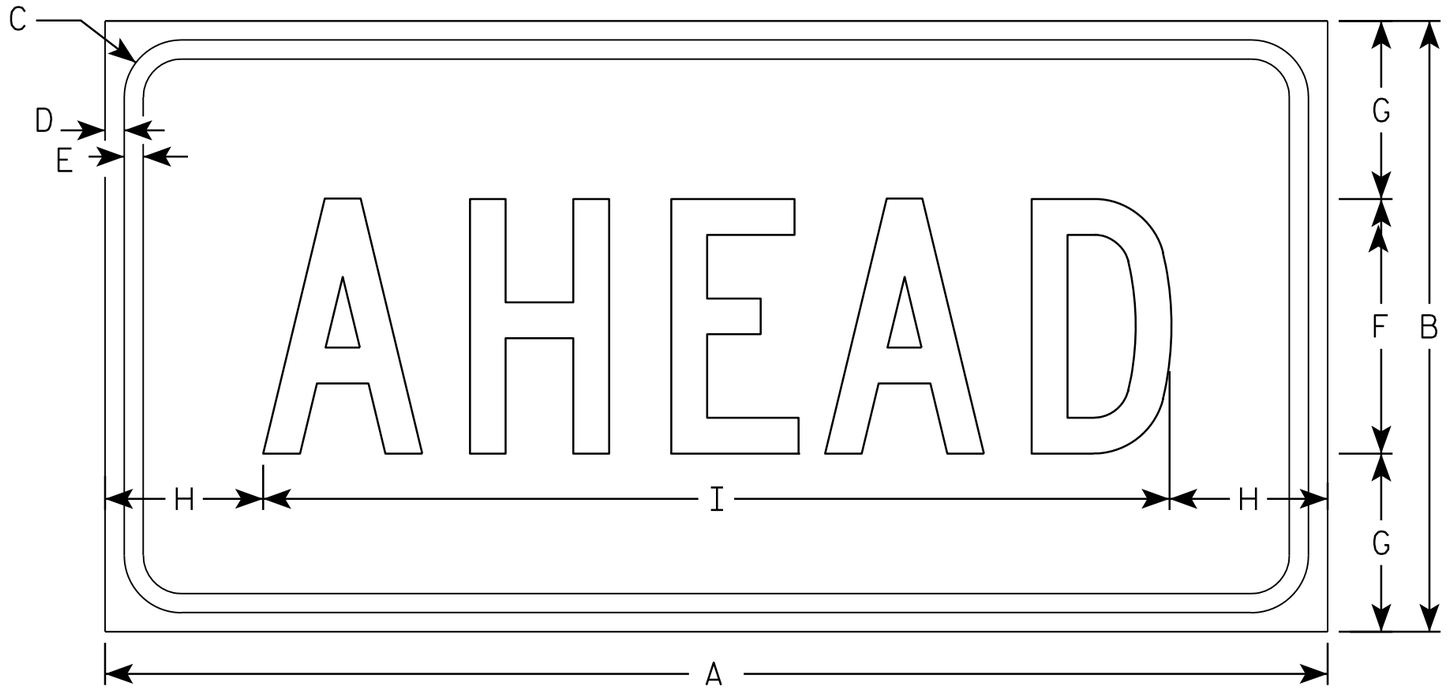
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/2021 PLATE NO. S16-7.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 296 E

7



S16-9P

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow-Green
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	12	1 1/8	3/8	3/8	5	3 1/2	3 1/8	17 3/4																		2.0
2S	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
2M	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
3	30	18	1 1/8	3/8	1/2	7	3 1/2	2 3/4	24 1/2																		3.75
4	48	24	1 3/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
5																											

STANDARD SIGN
S16-9P

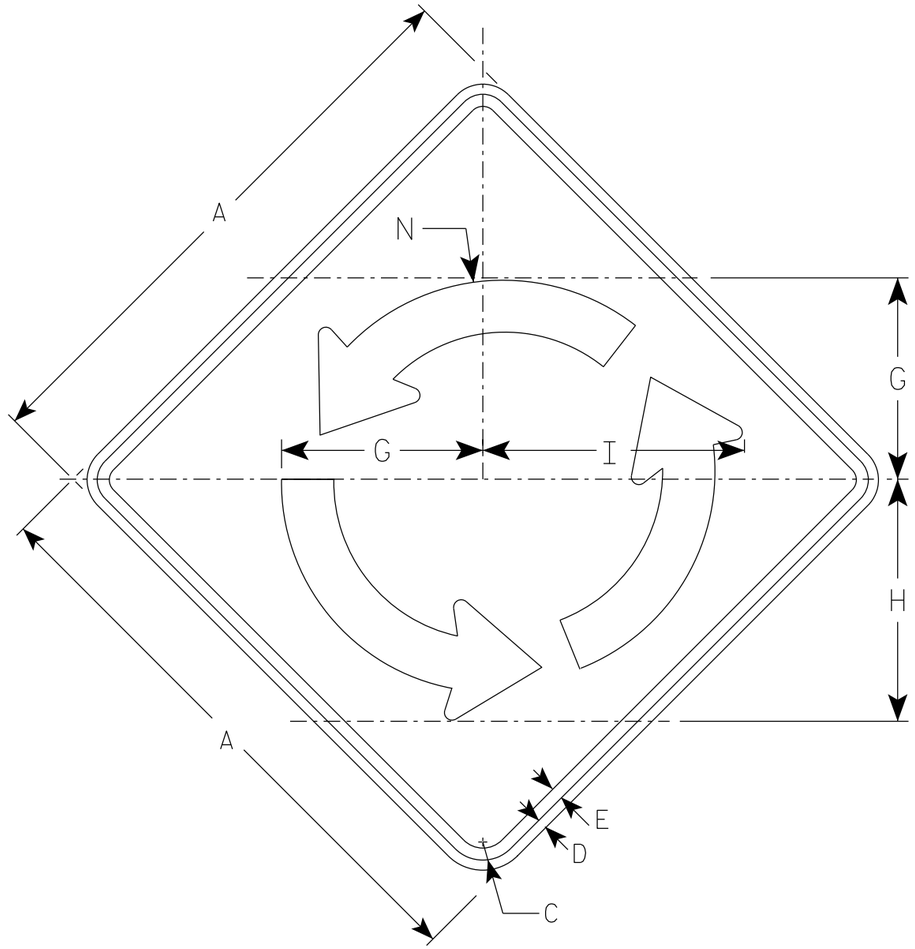
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/22/13 PLATE NO. S16-9P.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 297 | E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\S169P.dgn PLOT DATE : 22-JUL-2013 10:32 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 2.977140:1.000000

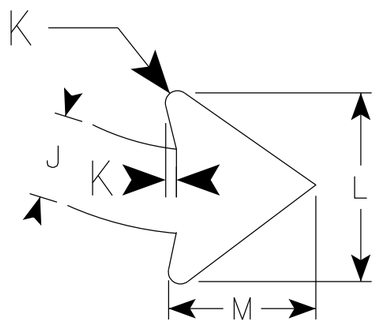


W2-6

NOTES

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

Arrow Detail



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Area sq. ft.
1																									
2S	30		1 3/8	1/2	5/8		10 3/8	12 1/2	13 1/2	2 3/4	3/8	6	4 3/4	11 1/8											6.25
2M	30		1 3/8	1/2	5/8		10 3/8	12 1/2	13 1/2	2 3/4	3/8	6	4 3/4	11 1/8											6.25
3	36		1 5/8	5/8	3/4		12 1/2	15	16 1/4	3 1/4	1/2	7 3/8	5 3/4	13 3/8											9.00
4	48		2 1/4	3/4	1		16 5/8	20	16 1/4	4 3/8	5/8	9 3/4	7 5/8	17 7/8											16.0
5																									

STANDARD SIGN
W2-6

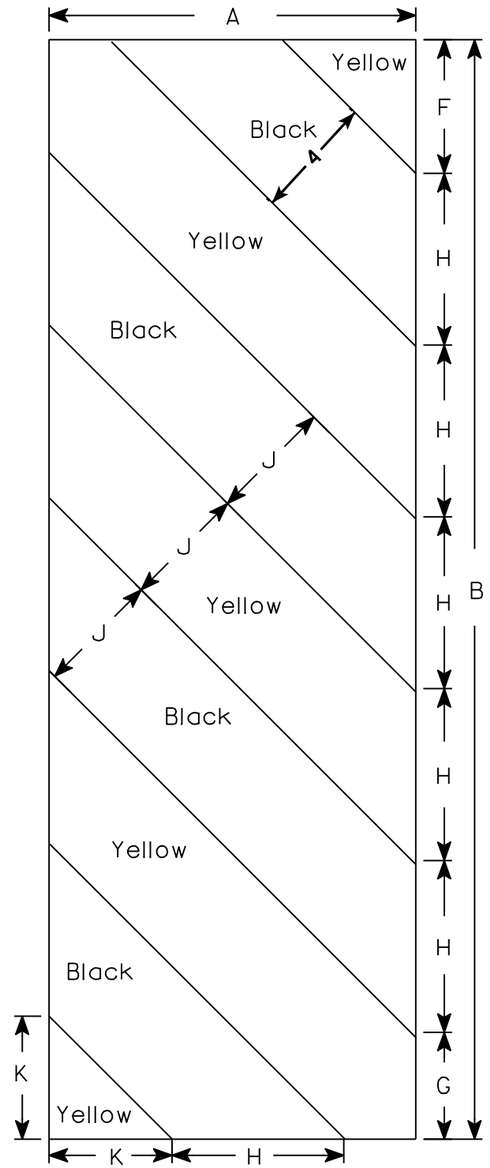
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

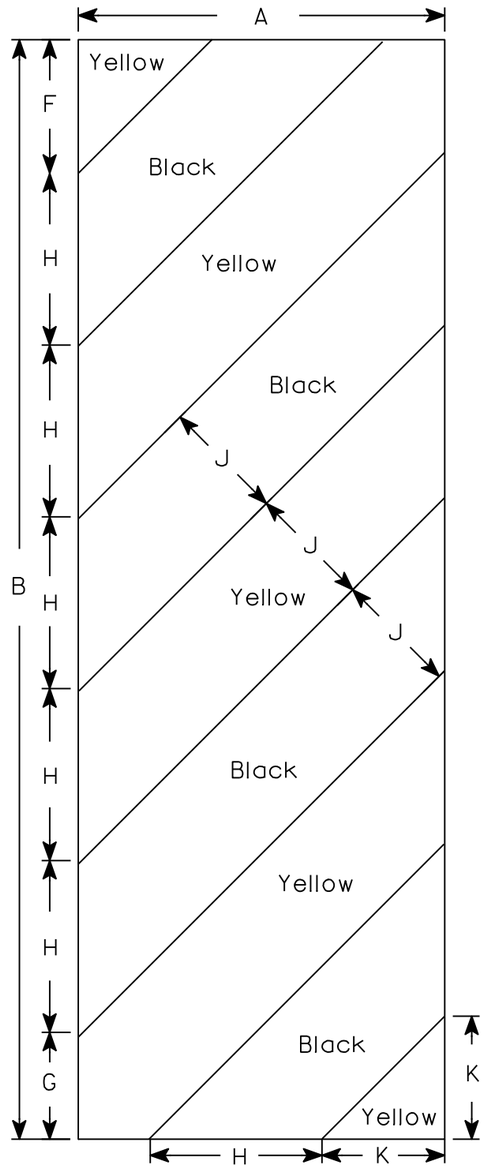
DATE 3/24/21 PLATE NO. W2-6.7

PROJECT NO:

SHEET NO: 298 E



W5-52L



W5-52R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. 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

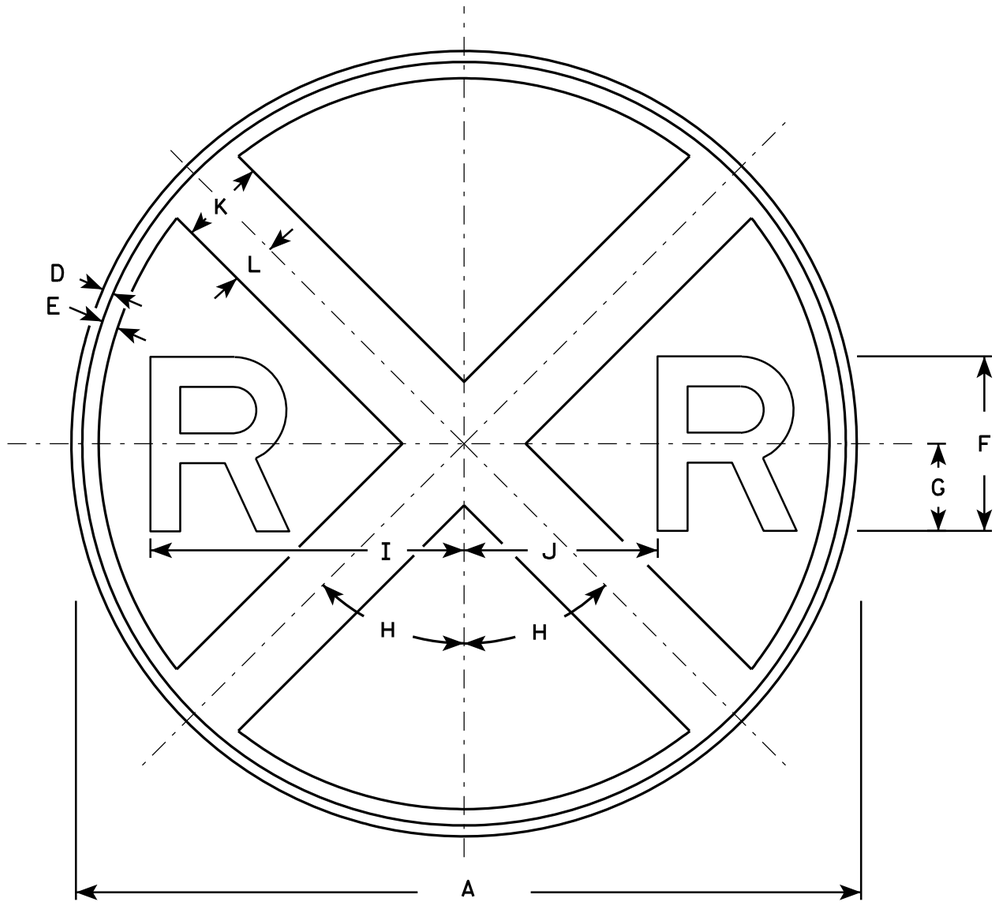
W5-52L & W5-52R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/29/12 PLATE NO. W5-52.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 299	E



W10-1

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 - E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30			3/8	5/8	7	3 1/2	45°	12 3/8	7 1/8	3	1 1/2															4.91
2S	36			5/8	3/4	8	4	45°	14 3/8	8 5/8	4	2															7.07
2M	36			5/8	3/4	8	4	45°	14 3/8	8 5/8	4	2															7.07
3																											
4	48			3/4	1 1/4	10	5	45°	18 3/8	11 5/8	5	2 1/2															12.57
5																											

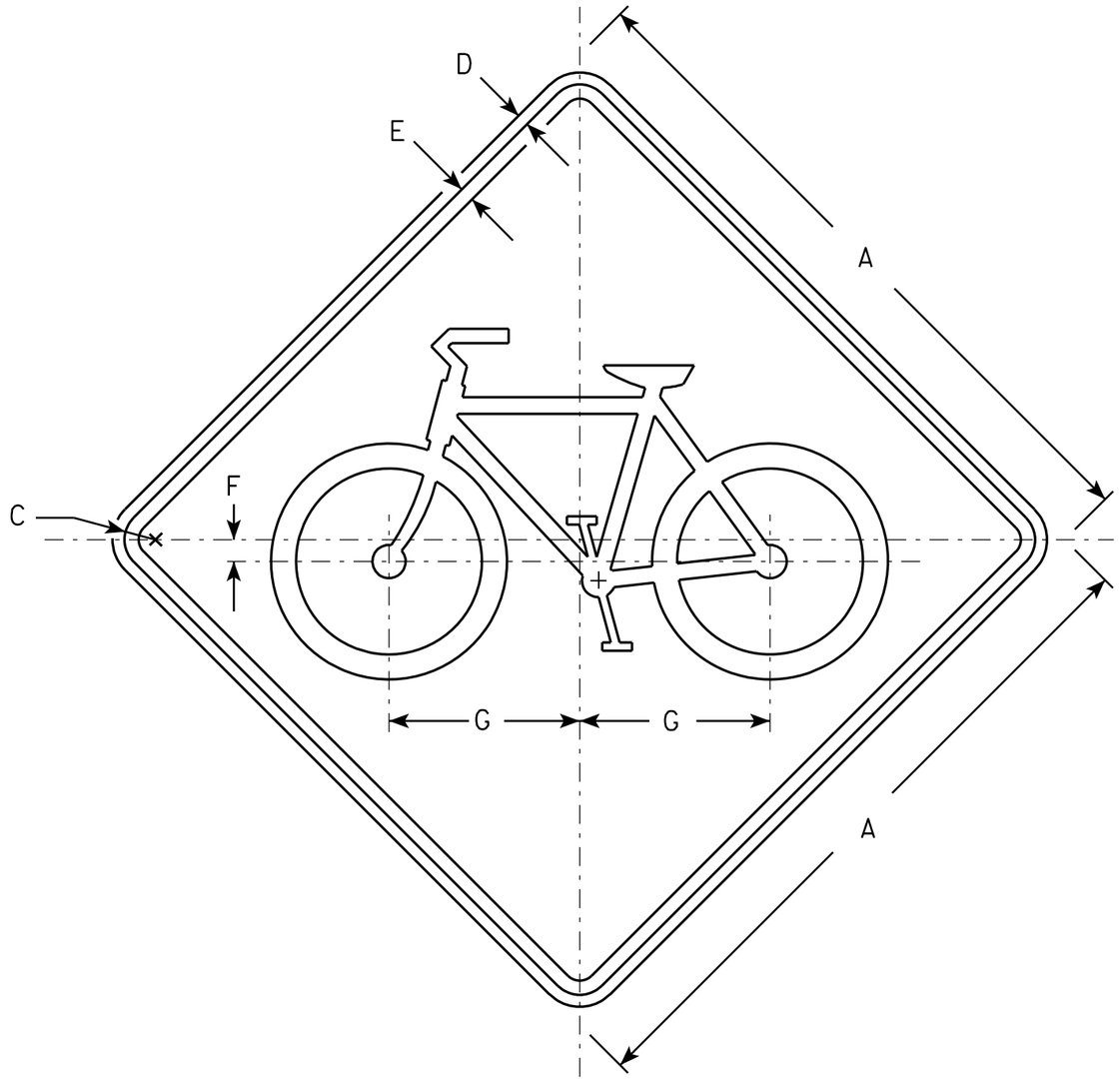
STANDARD SIGN
W10-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/13/13 PLATE NO. W10-1.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 300	E



W11-1

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. 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	3/4	1/2	3/4	6 5/8																				4.0
2S	30		1 3/8	1/2	5/8	1	8 1/2																				6.25
2M	36		1 5/8	5/8	3/4	1 1/4	10																				9.0
3	36		1 5/8	5/8	3/4	1 1/4	10																				9.0
4	48		2 1/4	3/4	1	1 5/8	13 3/8																				16.0
5																											16.0

STANDARD SIGN
W11-1

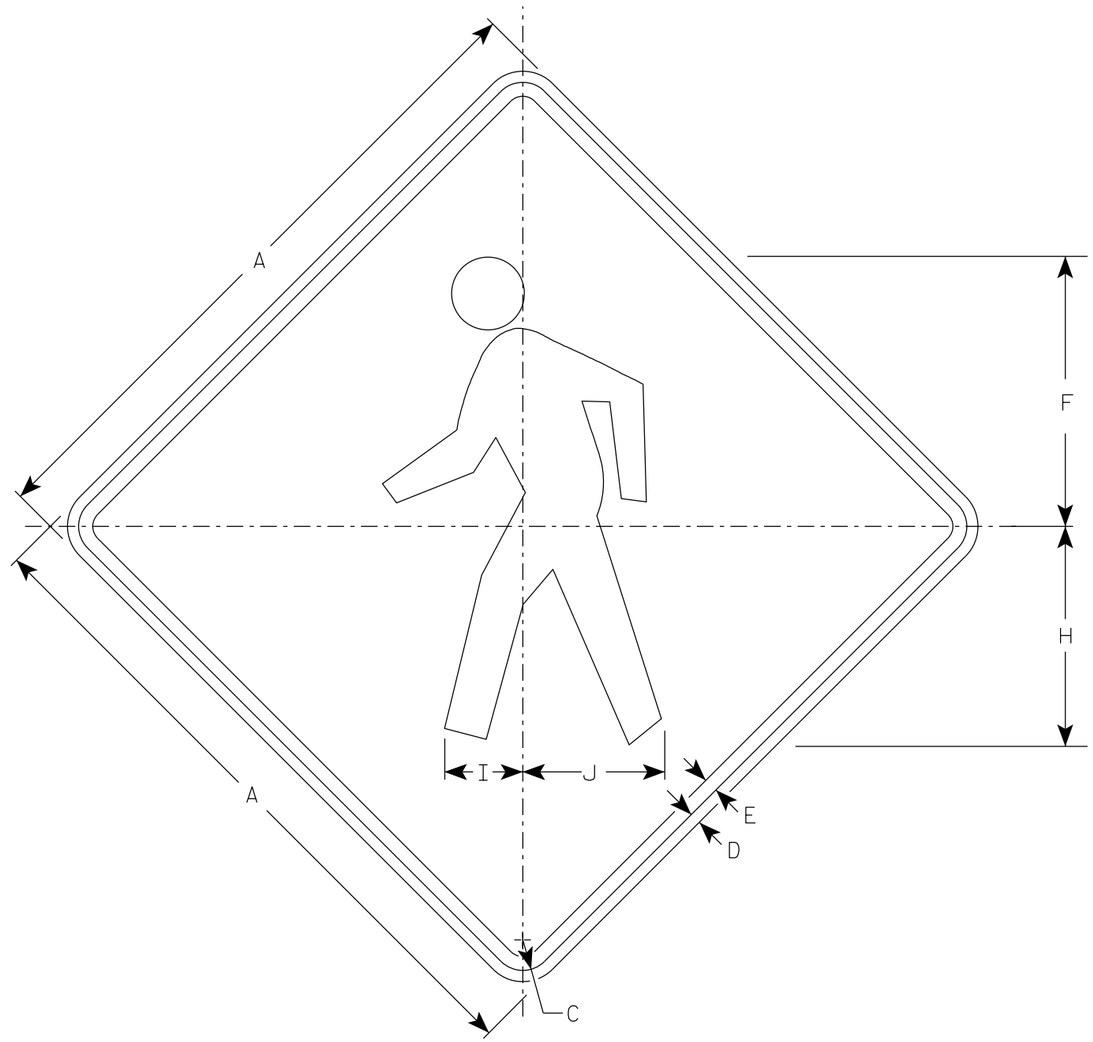
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/21/10 PLATE NO. W11-1.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 301 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W111.DGN PLOT DATE : 21-DEC-2010 10:08 PLOT BY : dotsja PLOT NAME : PLOT SCALE : 7.945391:1.000000
WISDOT/CADDS SHEET 42



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																											

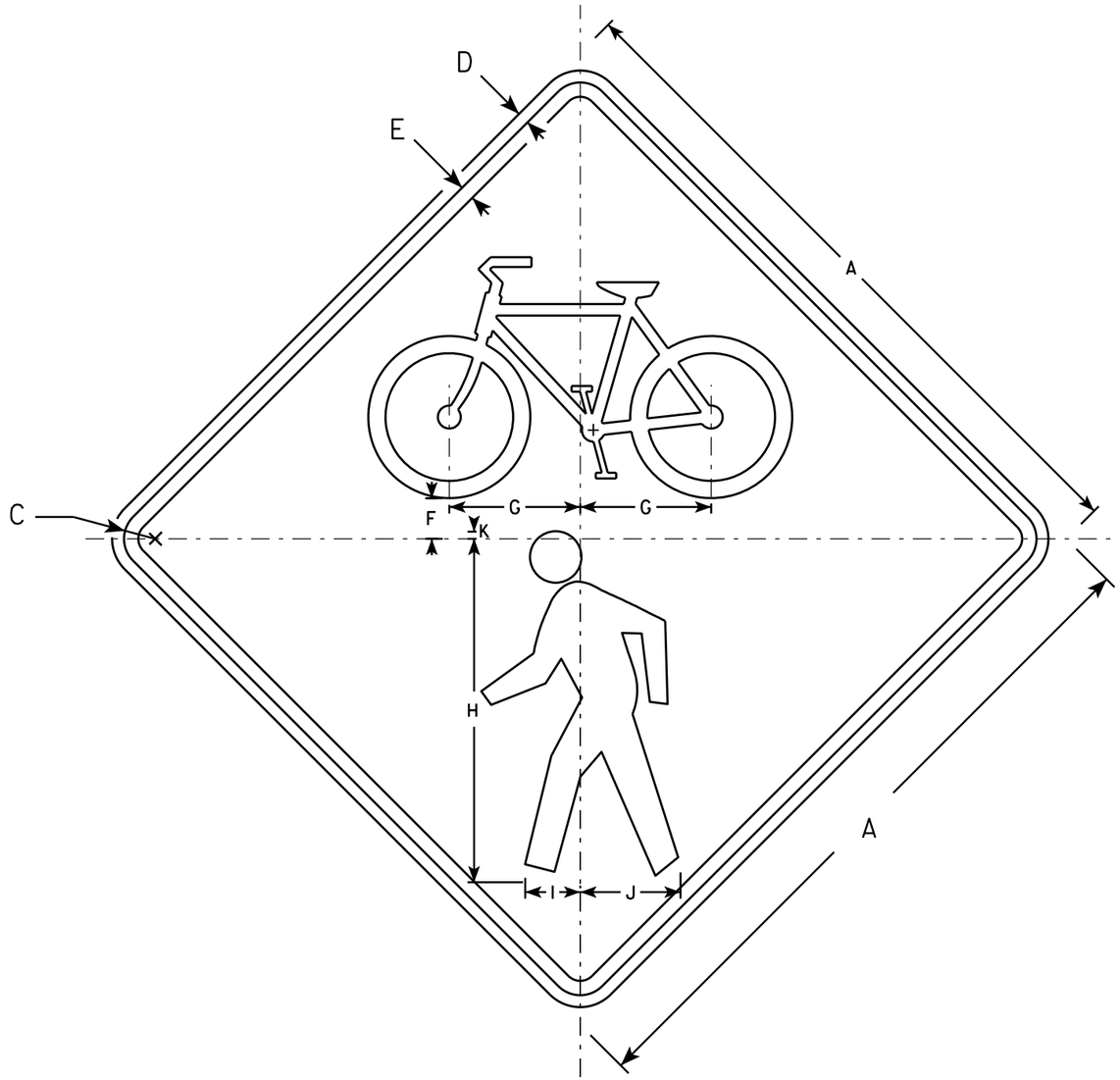
STANDARD SIGN
W11-2

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: 302 E



W11-15

NOTES

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

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	1 3/8	4 5/8	12	1 7/8	3 1/2	1/4																4.0
2S	30		1 3/8	1/2	5/8	1 3/4	5 3/4	15	2 3/8	4 3/8	3/8																6.25
2M	36		1 5/8	5/8	3/4	2 1/8	6 7/8	18	2 7/8	5 1/4	3/8																9.0
3	36		1 5/8	5/8	3/4	2 1/8	6 7/8	18	2 7/8	5 1/4	3/8																16.0
4	48		2 1/4	3/4	1	2 7/8	9 1/8	24	3 7/8	7	1/2																16.0
5																											

STANDARD SIGN
W11-15

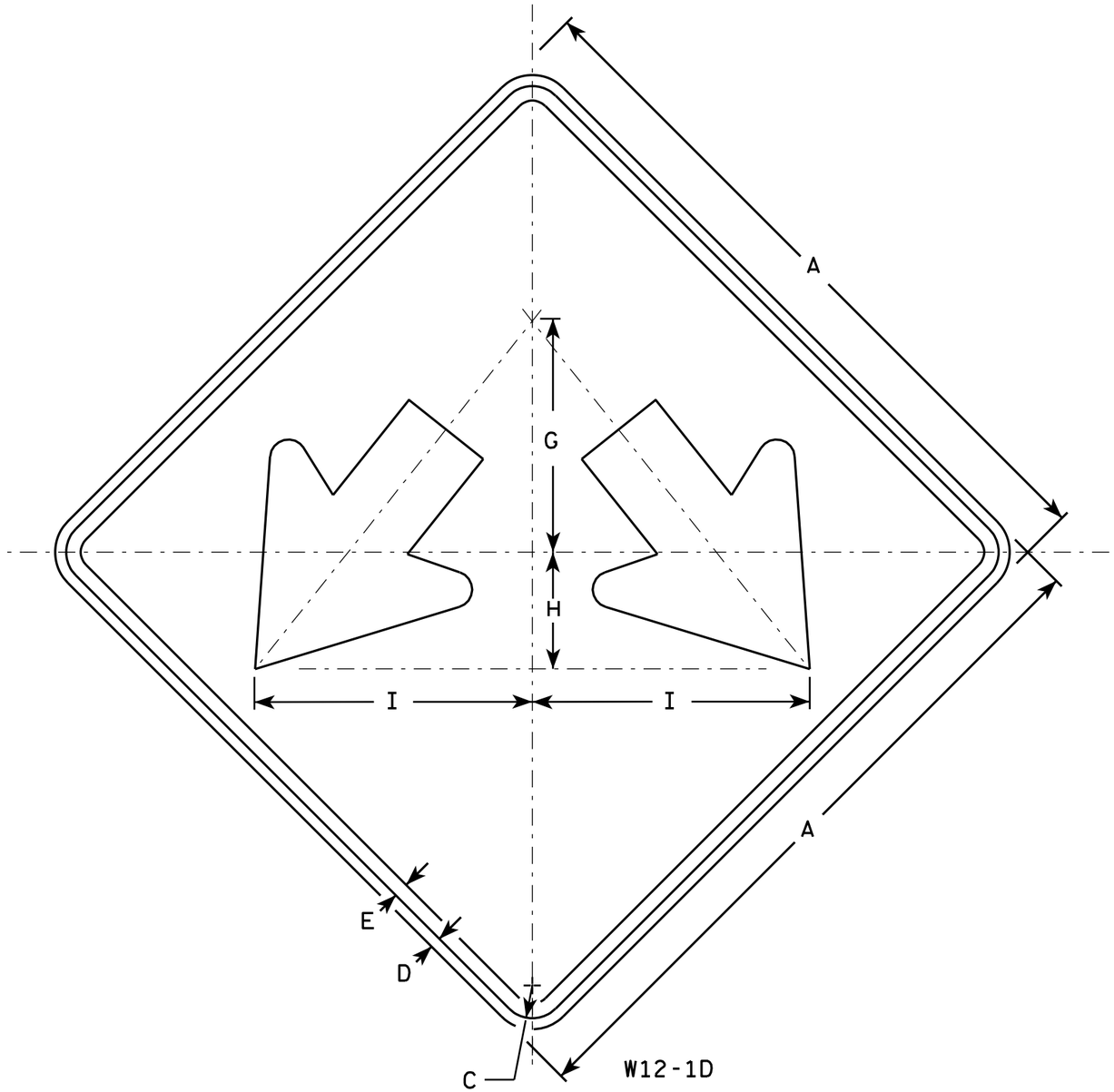
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 2/13/14 PLATE NO. W11-15.4

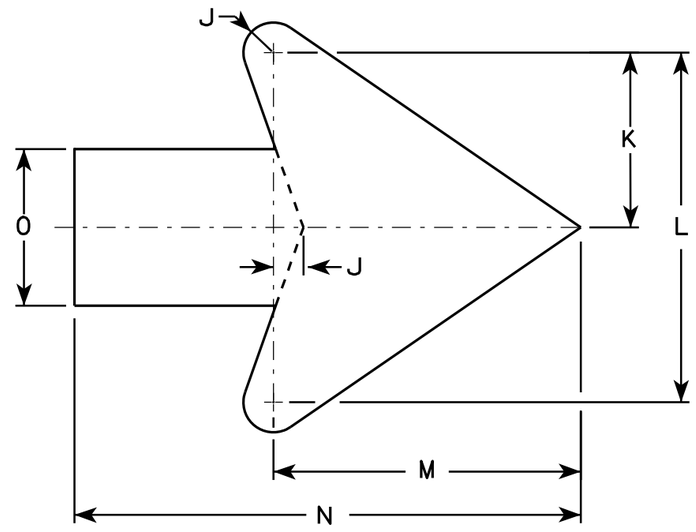
PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W1115.DGN PLOT DATE : 13-FEB-2014 10:54 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 7.783368:1.000000
WISDOT/CADDS SHEET 42



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



Arrow Detail

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

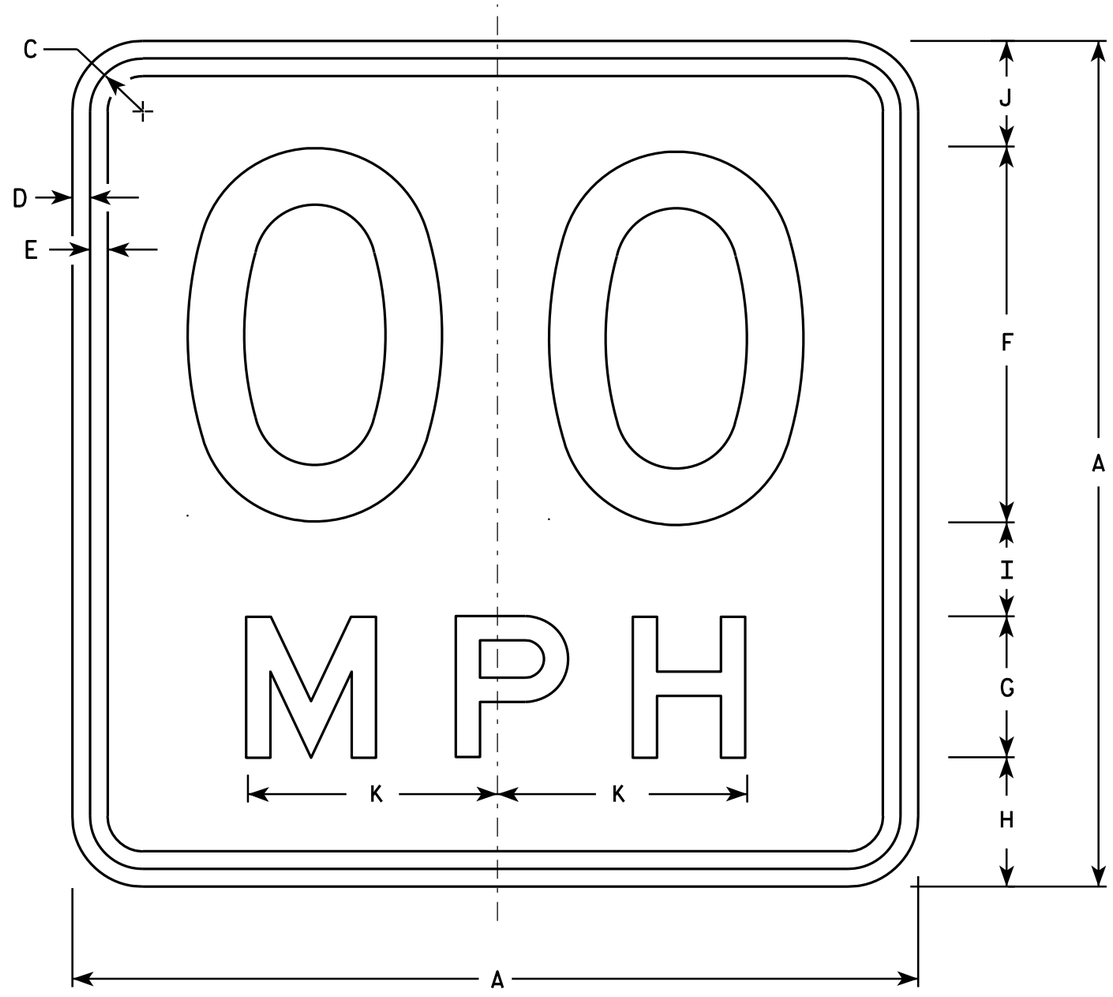
STANDARD SIGN
W12-1D

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W12-1D.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 304	E



W13-1

* For 30" x 30" Warning Signs, use 18" x 18" W13-1 signs.
For 36" x 36" Warning Signs, use 24" x 24" W13-1 signs.

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - See Note 6
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
6. Line 1 is Series D
   Line 2 is Series E

	SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
	1	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2S	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2M	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
	3	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	6 5/8																4.00
	4	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
	5	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00

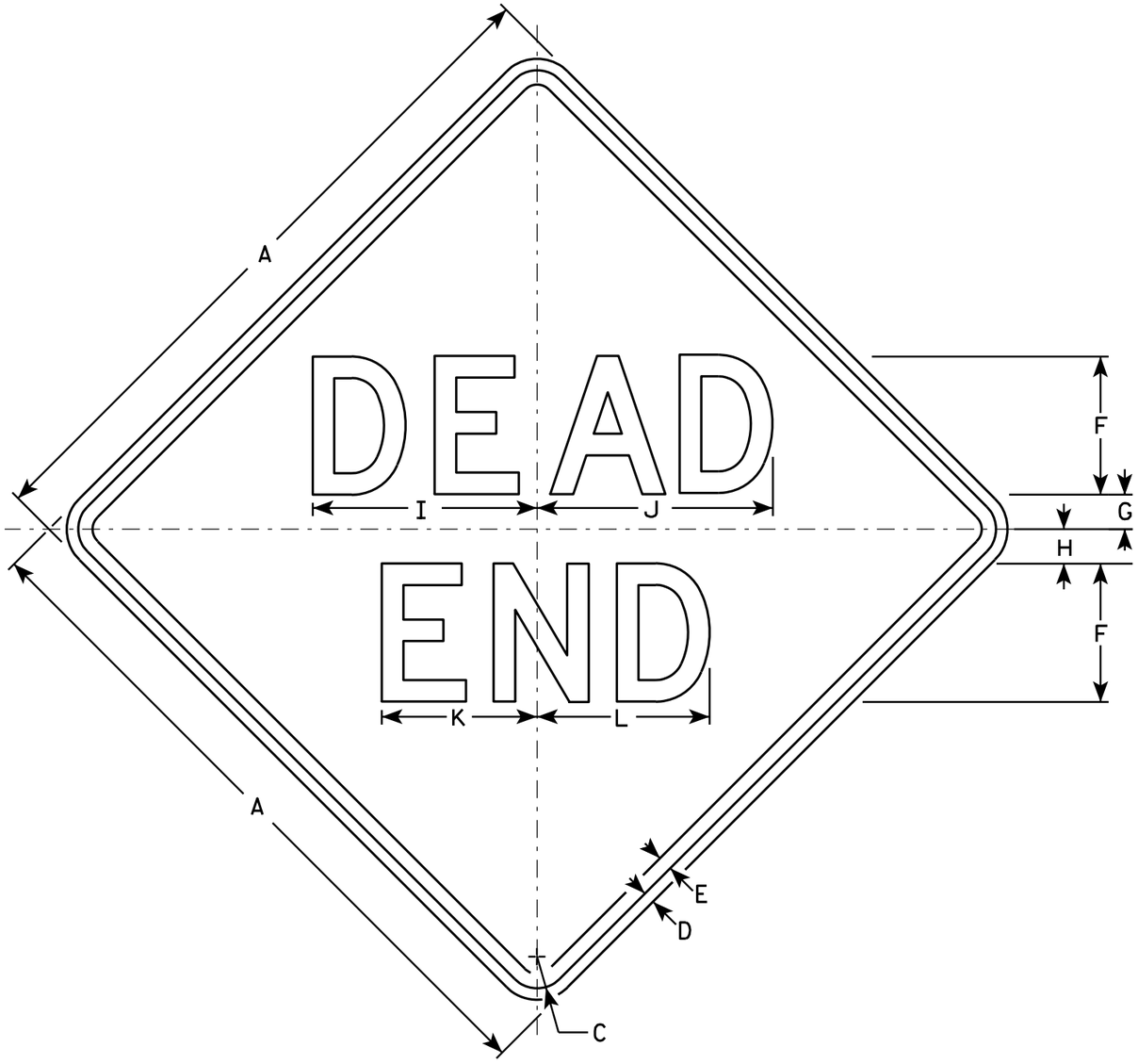
STANDARD SIGN
W13-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/31/12 PLATE NO. W13-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 305 | E



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																											

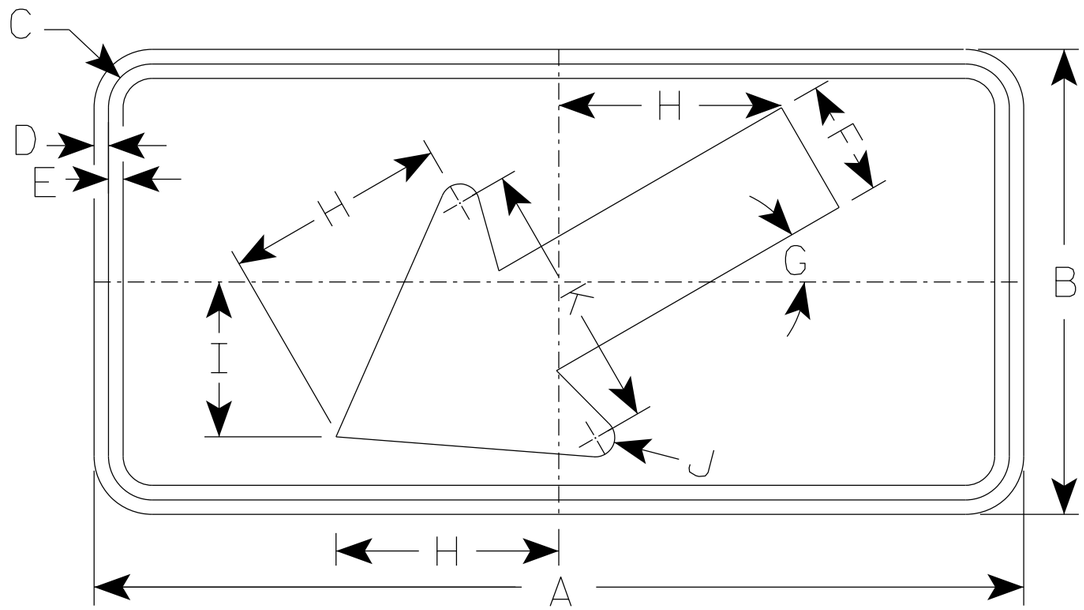
STANDARD SIGN
W14-1

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: 306	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

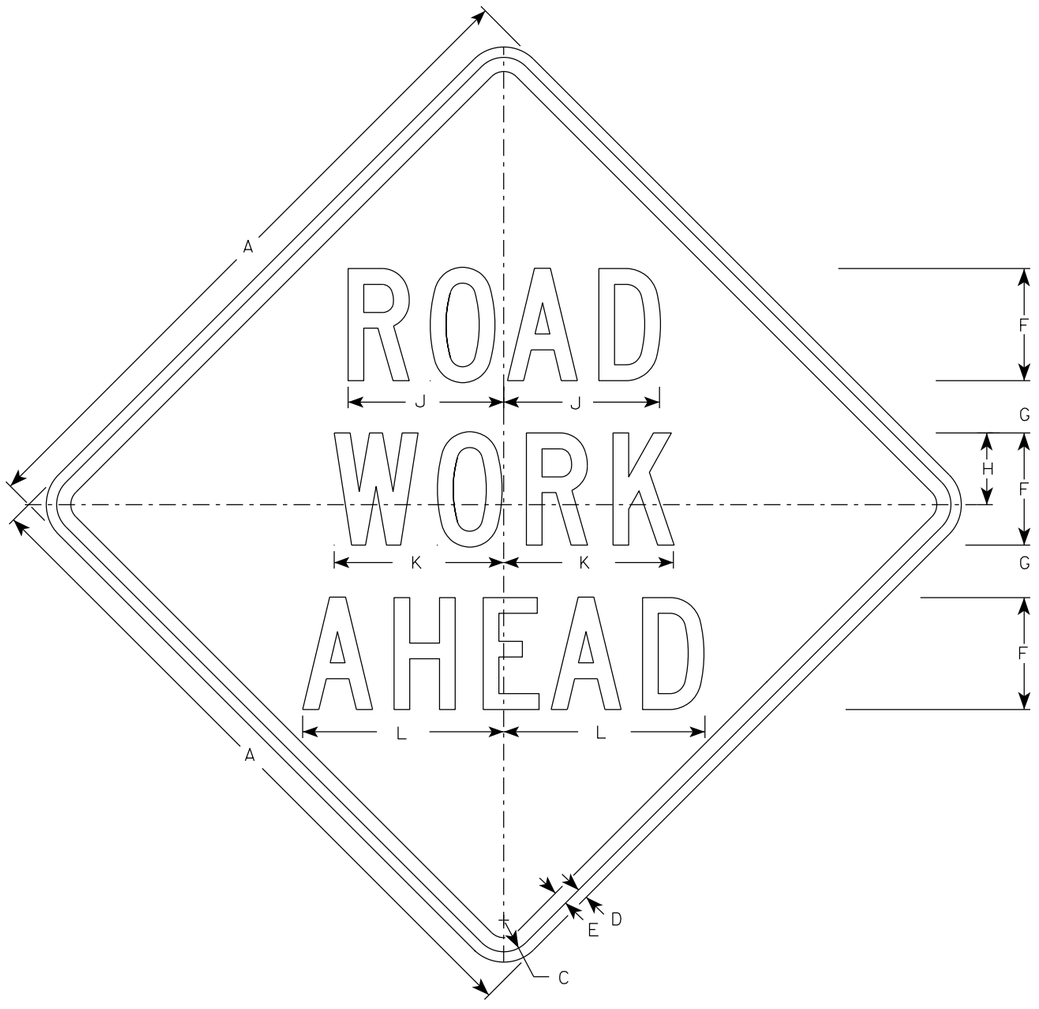
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/2021 PLATE NO. W16-7.8

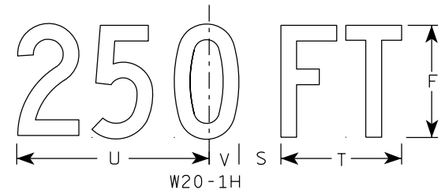
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 307	E

NOTES

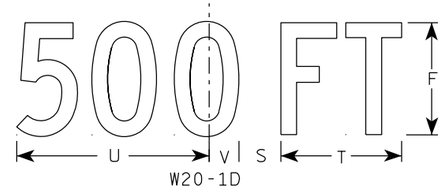
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1A



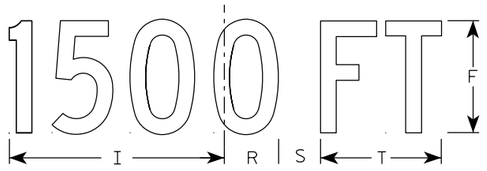
W20-1H



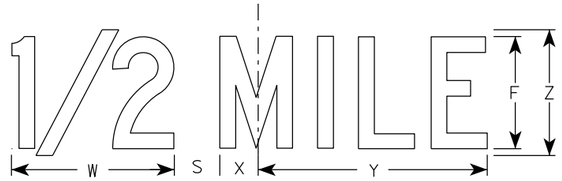
W20-1D



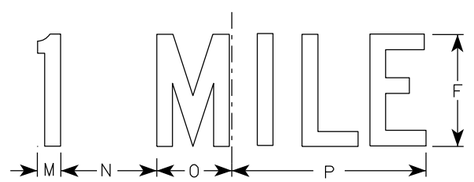
W20-1C



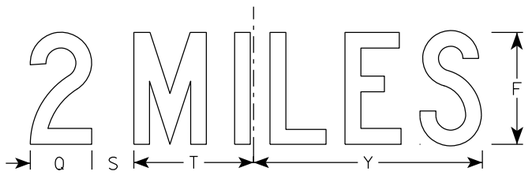
W20-1B



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:

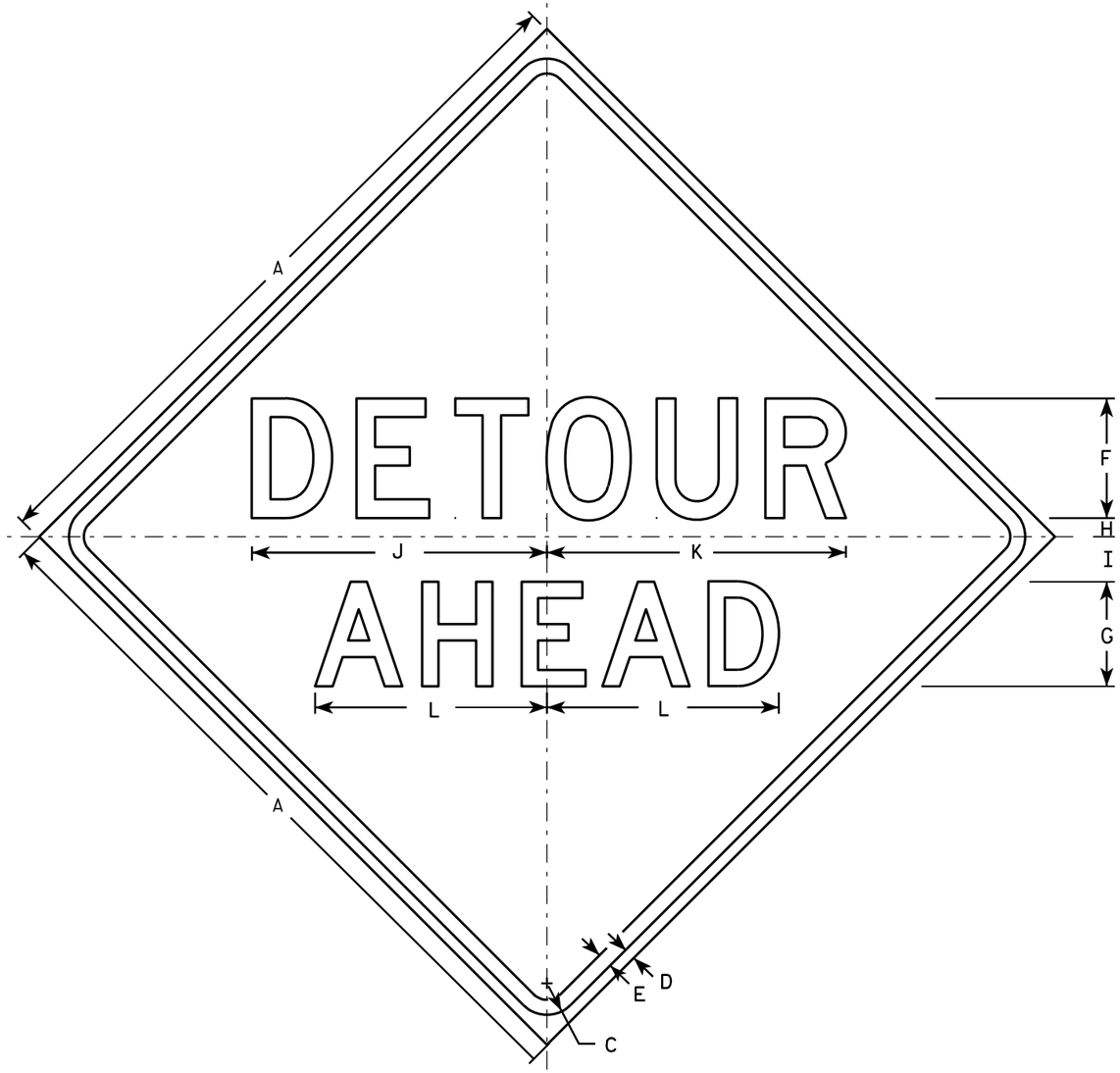
SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 25-MARCH-2020 PLOT BY : dotc4c

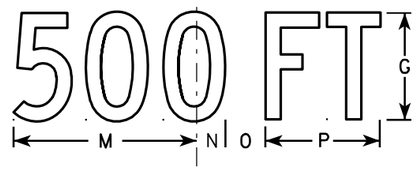
WISDOT/CADDS SHEET 42

7

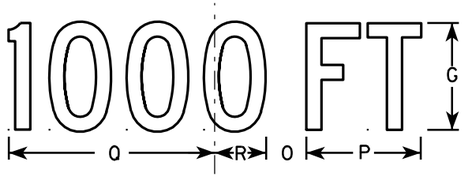
7



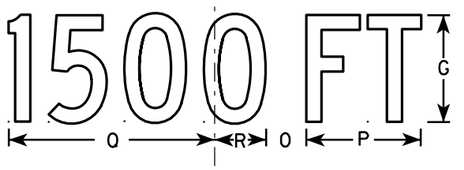
W20-2A



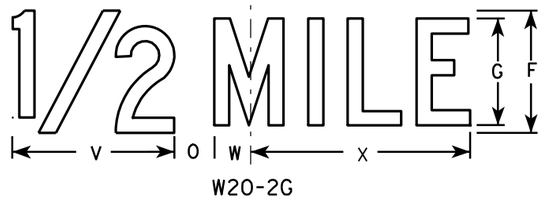
W20-2D



W20-2C



W20-2B



W20-2G



W20-2F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D.
   Line 2 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

STANDARD SIGN
W20-2A,B,C,D,F & G

WISCONSIN DEPT OF TRANSPORTATION

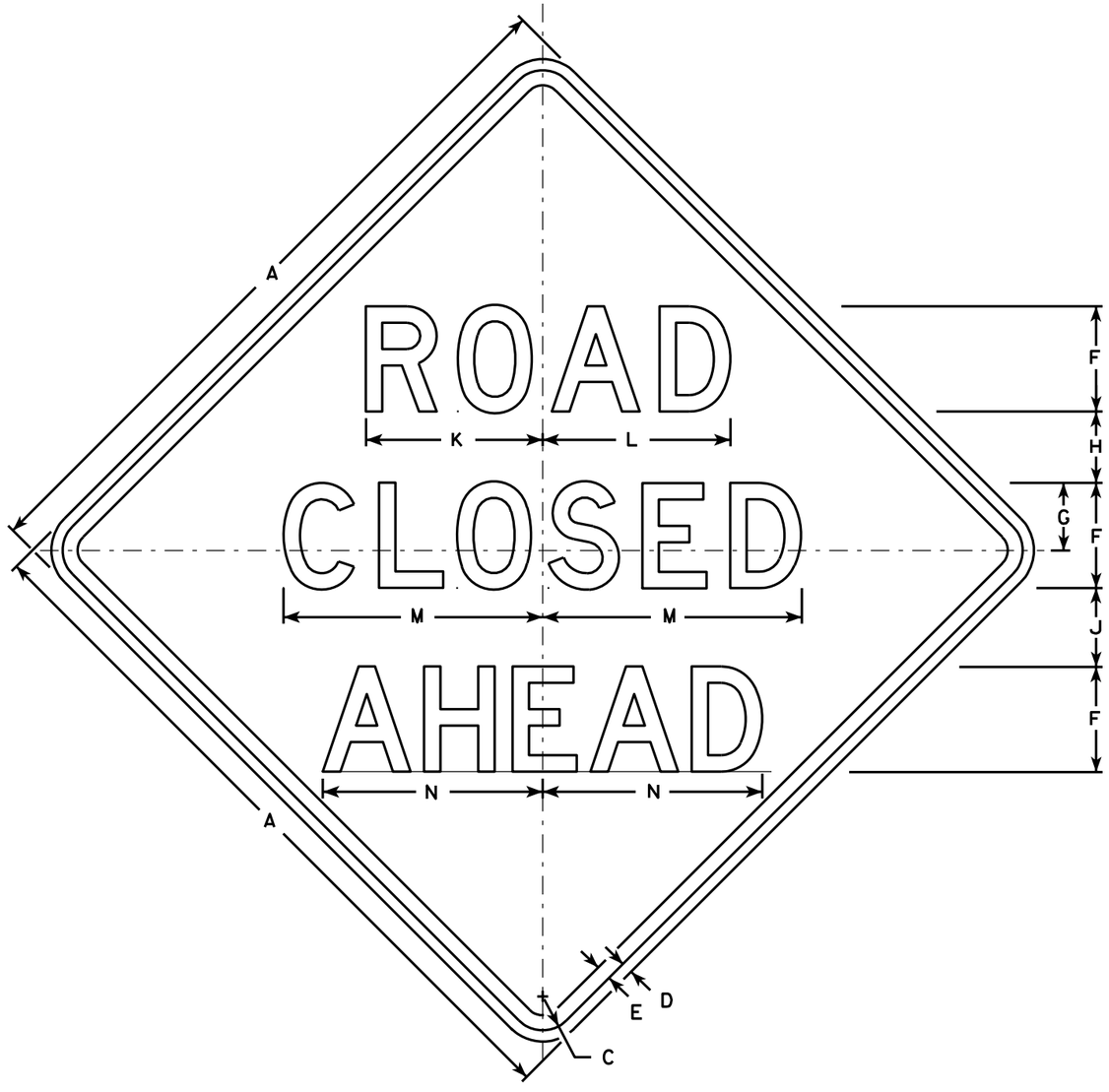
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-2.6

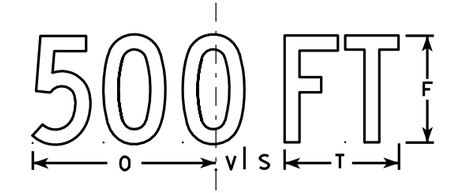
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 309 | E

7

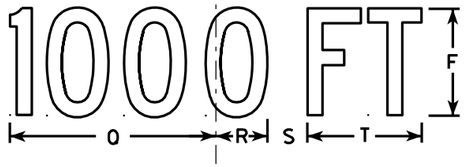
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W202.DGN PLOT DATE : 18-MAR-2011 10:00 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.931739:1.000000
WISDOT/CADDS SHEET 42



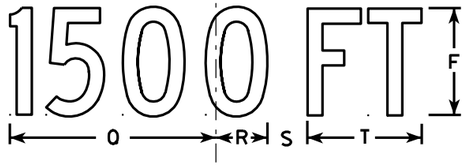
W20-3A



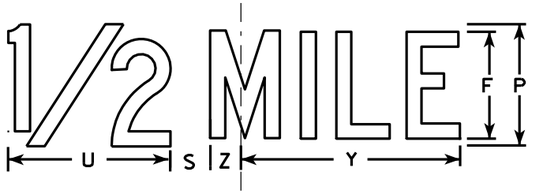
W20-3D



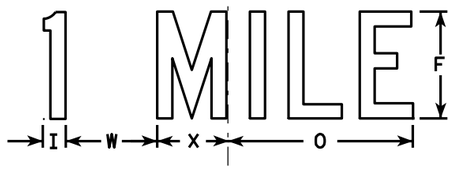
W20-3C



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

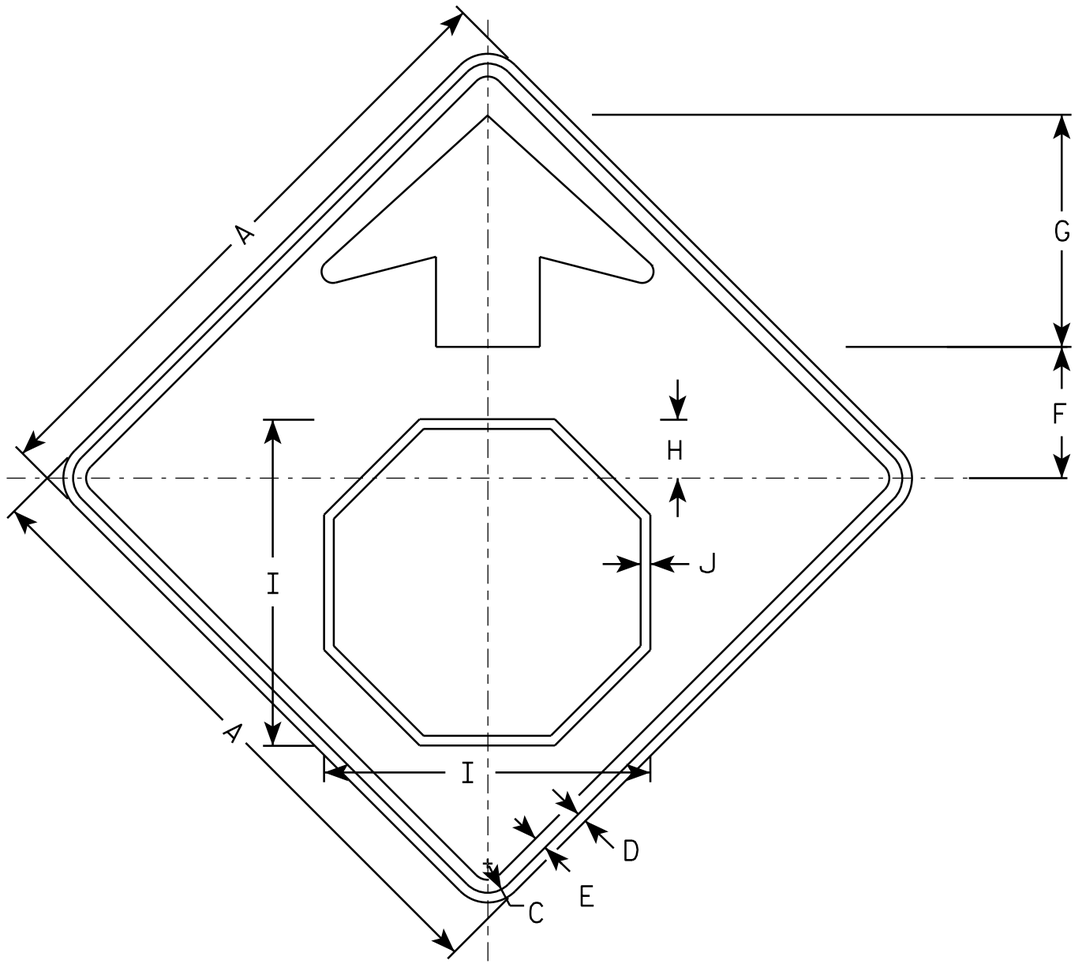
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 3/18/11 PLATE NO. W20-3.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 310 | E

7

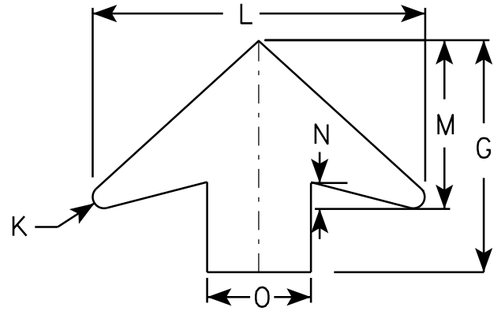
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W203.DGN PLOT DATE : 18-MAR-2011 12:08 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.931739:1.000000
WISDOT/CADDS SHEET 42



W03-1

NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - ORANGE
   Arrow & Border - BLACK
   Stop Symbol - WHITE BORDER ON RED BACKGROUND



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	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
2S	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
2M	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
3	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
4	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
5	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0

STANDARD SIGN
W03-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 311 03-1.1

PROJECT NO:

SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W031.DGN PLOT DATE : 20-NOV-2013 10:54 PLOT BY : mscsja

WISDOT/CADDS SHEET 42

Division 1 - ALIGNMENT - MILITARY ROAD

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
10+46.43	1046.43	0.00	96.85	0.00	0.01	0	0	0	0	0	0
10+50	1050.00	3.57	93.21	0.00	0.02	13	0	0	13	0	13
10+75	1075.00	25.00	87.17	0.00	0.14	84	0	0	97	0	97
10+88.712	1088.71	13.71	92.08	0.00	0.10	46	0	0	143	0	143
11+00	1100.00	11.29	97.81	0.00	0.00	40	0	0	183	0	183
11+12.5	1112.50	12.50	105.15	0.00	0.00	47	0	0	230	0	230
11+25	1125.00	12.50	99.88	0.00	0.00	47	0	0	277	0	277
11+50	1150.00	25.00	104.56	0.00	0.44	95	0	0	372	0	372
11+75	1175.00	25.00	87.77	0.00	2.54	89	0	1	461	1	460
12+00	1200.00	25.00	110.05	0.00	1.63	92	0	2	553	4	549
12+25	1225.00	25.00	100.13	0.00	2.72	97	0	2	650	6	644
12+50	1250.00	25.00	181.80	0.00	0.00	131	0	1	781	8	774
12+56.072	1256.07	6.07	199.06	0.00	0.00	43	0	0	824	8	817
12+70.138	1270.14	14.07	190.37	0.00	0.00	101	0	0	925	8	918
12+75	1275.00	4.86	189.47	0.00	0.00	34	0	0	959	8	952
12+84.049	1284.05	9.05	192.49	0.00	0.00	64	0	0	1,023	8	1,016
13+00	1300.00	15.95	127.13	0.00	0.00	94	0	0	1,117	8	1,110
13+11.41	1311.41	11.41	79.02	0.00	10.98	44	0	2	1,161	10	1,151
13+25	1325.00	13.59	83.32	0.00	13.54	41	0	6	1,202	18	1,185
13+50	1350.00	25.00	91.17	0.00	8.74	81	0	10	1,283	30	1,253
13+72.712	1372.71	22.71	125.60	0.00	3.15	91	0	5	1,374	36	1,338
16+14.182	1614.18	0.00	112.59	0.00	0.00	0	0	0	1,374	36	1,338
16+25	1625.00	10.82	106.42	0.00	0.00	44	0	0	1,418	36	1,382
16+50	1650.00	25.00	90.67	0.00	0.02	91	0	0	1,509	36	1,473
16+75	1675.00	25.00	78.59	0.00	0.19	78	0	0	1,587	36	1,551
17+00	1700.00	25.00	80.17	0.00	0.02	73	0	0	1,660	36	1,624
17+09.85	1709.85	9.85	119.31	0.00	0.04	36	0	0	1,696	36	1,660
17+18.122	1718.12	8.27	179.12	0.00	0.00	46	0	0	1,742	36	1,706
17+25	1725.00	6.88	179.95	0.00	0.00	46	0	0	1,788	36	1,752
17+50	1750.00	25.00	160.62	0.00	0.00	158	0	0	1,946	36	1,910
17+75	1775.00	25.00	103.73	0.00	0.00	122	0	0	2,068	36	2,032
18+00	1800.00	25.00	97.41	0.00	0.00	93	0	0	2,161	36	2,125
18+15	1815.00	15.00	105.73	0.00	0.00	56	0	0	2,217	36	2,181
18+25	1825.00	10.00	97.12	0.00	0.00	38	0	0	2,255	36	2,219
18+50	1850.00	25.00	96.60	0.00	0.00	90	0	0	2,345	36	2,309
18+75	1875.00	25.00	98.49	0.00	0.00	90	0	0	2,435	36	2,399
19+00	1900.00	25.00	105.06	0.00	0.00	94	0	0	2,529	36	2,493
19+25	1925.00	25.00	95.85	0.00	0.00	93	0	0	2,622	36	2,586
19+50	1950.00	25.00	98.30	0.00	0.05	90	0	0	2,712	36	2,676
19+75	1975.00	25.00	91.85	0.00	0.17	88	0	0	2,800	36	2,764
20+00	2000.00	25.00	94.23	0.00	0.09	86	0	0	2,886	36	2,850
20+25	2025.00	25.00	93.74	0.00	0.26	87	0	0	2,973	36	2,937
20+50	2050.00	25.00	89.27	0.00	0.02	85	0	0	3,058	36	3,022
20+67.378	2067.38	17.38	125.33	0.00	0.00	69	0	0	3,127	36	3,091
20+75	2075.00	7.62	123.99	0.00	0.00	35	0	0	3,162	36	3,126
20+94.512	2094.51	19.51	140.06	0.00	0.00	95	0	0	3,257	36	3,221
21+00	2100.00	5.49	150.95	0.00	0.00	30	0	0	3,287	36	3,251
21+11.327	2111.33	11.33	152.56	0.00	0.12	64	0	0	3,351	36	3,315
21+19.625	2119.63	8.30	102.82	0.00	0.03	39	0	0	3,390	36	3,354
21+25	2125.00	5.37	107.30	0.00	0.02	21	0	0	3,411	36	3,375
21+40	2140.00	15.00	104.17	0.00	0.00	59	0	0	3,470	36	3,434
21+50	2150.00	10.00	102.95	0.00	0.00	38	0	0	3,508	36	3,472
21+75	2175.00	25.00	94.94	0.00	0.00	92	0	0	3,600	36	3,564
22+00	2200.00	25.00	103.26	0.00	0.00	92	0	0	3,692	36	3,656
22+25	2225.00	25.00	97.08	0.00	0.00	93	0	0	3,785	36	3,749
22+50	2250.00	25.00	96.71	0.00	0.00	90	0	0	3,875	36	3,839
22+75	2275.00	25.00	93.65	0.00	0.00	88	0	0	3,963	36	3,927
23+00	2300.00	25.00	92.35	0.00	0.00	86	0	0	4,049	36	4,013

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Division 1 - ALIGNMENT - MILITARY ROAD

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
23+25	2325.00	25.00	95.33	0.00	0.00	87	0	0	4,136	36	4,100
23+50	2350.00	25.00	101.75	0.00	0.00	91	0	0	4,227	36	4,191
23+75	2375.00	25.00	98.70	0.00	0.01	93	0	0	4,320	36	4,284
24+00	2400.00	25.00	95.68	0.00	0.46	90	0	0	4,410	36	4,374
24+25	2425.00	25.00	98.96	0.00	0.00	90	0	0	4,500	36	4,464
24+34.043	2434.04	9.04	100.58	0.00	0.00	33	0	0	4,533	36	4,497
24+50	2450.00	15.96	98.52	0.00	0.00	59	0	0	4,592	36	4,556
24+75	2475.00	25.00	96.04	0.00	0.00	90	0	0	4,682	36	4,646
25+00	2500.00	25.00	99.91	0.00	0.00	91	0	0	4,773	36	4,737
25+09.221	2509.22	9.22	142.14	0.00	0.00	41	0	0	4,814	36	4,778
25+18.435	2518.44	9.21	201.27	0.00	0.00	59	0	0	4,873	36	4,837
25+25	2525.00	6.56	195.97	0.00	0.00	48	0	0	4,921	36	4,885
25+27.988	2527.99	2.99	192.66	0.00	0.00	22	0	0	4,943	36	4,907
25+50	2550.00	22.01	153.88	0.00	0.00	141	0	0	5,084	36	5,048
25+75	2575.00	25.00	129.08	0.00	0.00	131	0	0	5,215	36	5,179
26+00	2600.00	25.00	107.31	0.00	0.00	109	0	0	5,324	36	5,288
26+25	2625.00	25.00	110.65	0.00	0.07	101	0	0	5,425	36	5,389
26+50	2650.00	25.00	117.98	0.00	0.00	106	0	0	5,531	36	5,495
26+75	2675.00	25.00	91.82	0.00	0.00	97	0	0	5,628	36	5,592
27+00	2700.00	25.00	92.09	0.00	0.08	85	0	0	5,713	36	5,677
27+25	2725.00	25.00	93.43	0.00	0.10	86	0	0	5,799	36	5,763
27+50	2750.00	25.00	99.00	0.00	0.39	89	0	0	5,888	36	5,852
27+62.808	2762.81	12.81	108.64	0.00	0.09	49	0	0	5,937	36	5,901
27+75	2775.00	12.19	114.85	0.00	0.00	50	0	0	5,987	36	5,951
28+00	2800.00	25.00	161.38	0.00	0.01	128	0	0	6,115	36	6,079
28+25	2825.00	25.00	153.97	0.00	0.00	146	0	0	6,261	36	6,225
28+47.653	2847.65	22.65	136.06	0.00	0.00	122	0	0	6,383	36	6,347
28+50	2850.00	2.35	135.34	0.00	0.00	12	0	0	6,395	36	6,359
28+75	2875.00	25.00	149.66	0.00	0.00	132	0	0	6,527	36	6,491
29+00	2900.00	25.00	91.43	0.00	0.15	112	0	0	6,639	36	6,603
29+13.65	2913.65	13.65	89.79	0.00	0.04	46	0	0	6,685	36	6,649
29+25	2925.00	11.35	86.74	0.00	0.06	37	0	0	6,722	36	6,686
29+50	2950.00	25.00	85.61	0.00	0.03	80	0	0	6,802	36	6,766
29+69.774	2969.77	19.77	82.96	0.00	0.01	62	0	0	6,864	36	6,828
29+75	2975.00	5.23	83.57	0.00	0.04	16	0	0	6,880	36	6,844
30+00	3000.00	25.00	85.05	0.00	0.05	78	0	0	6,958	36	6,922
30+25	3025.00	25.00	90.70	0.00	0.17	81	0	0	7,039	36	7,003
30+50	3050.00	25.00	87.33	0.00	0.17	82	0	0	7,121	36	7,085
30+75	3075.00	25.00	105.09	0.00	0.00	89	0	0	7,210	36	7,174
31+00	3100.00	25.00	81.19	0.00	0.12	86	0	0	7,296	36	7,260
31+25	3125.00	25.00	71.05	0.00	0.00	70	0	0	7,366	36	7,330
31+47.002	3147.00	22.00	69.36	0.00	0.00	57	0	0	7,423	36	7,387
31+50	3150.00	3.00	72.69	0.00	0.00	8	0	0	7,431	36	7,395
31+68.677	3168.68	18.68	80.65	0.00	0.00	53	0	0	7,484	36	7,448
31+75	3175.00	6.32	75.20	0.00	0.00	18	0	0	7,502	36	7,466
31+79.282	3179.28	4.28	69.15	0.00	0.16	11	0	0	7,513	36	7,477
32+00	3200.00	20.72	80.92	0.00	0.09	58	0	0	7,571	36	7,535
32+25	3225.00	25.00	114.35	0.00	0.03	90	0	0	7,661	36	7,625
32+50	3250.00	25.00	71.48	0.00	0.00	86	0	0	7,747	36	7,711
32+75	3275.00	25.00	67.34	0.00	0.07	64	0	0	7,811	36	7,775
32+81.866	3281.87	6.87	81.17	0.00	3.39	19	0	0	7,830	36	7,794
33+00	3300.00	18.13	86.76	0.00	0.00	56	0	1	7,886	38	7,849
33+25	3325.00	25.00	86.13	0.00	0.00	80	0	0	7,966	38	7,929
33+29.11	3329.11	4.11	85.80	0.00	0.01	13	0	0	7,979	38	7,942

Division 1 - ALIGNMENT - W. 9TH ST. WEST

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
01+00.01	100.01	0.00	47.50	0.00	0.57	0	0	0	0	0	0
01+10	110.00	9.99	59.07	0.00	0.36	20	0	0	20	0	20
01+25	125.00	15.00	62.80	0.00	0.00	34	0	0	54	0	54
01+35	135.00	10.00	64.71	0.00	0.01	24	0	0	78	0	78
01+50	150.00	15.00	60.83	0.00	0.00	35	0	0	113	0	113
01+75	175.00	25.00	43.85	0.00	3.59	48	0	2	161	3	159
02+00	200.00	25.00	50.57	0.00	0.93	44	0	2	205	5	200
02+25	225.00	25.00	48.01	0.00	0.71	46	0	1	251	6	245
02+46.569	246.57	21.57	42.89	0.00	5.52	36	0	2	287	9	278

Division 1 - ALIGNMENT - SUPERIOR ST.

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
20+00	2000.00	0.00	69.92	0.00	0.00	0	0	0	0	0	0
20+21.471	2021.47	21.47	82.83	0.00	0.00	61	0	0	61	0	61
20+25	2025.00	3.53	82.41	0.00	0.00	11	0	0	72	0	72
20+40	2040.00	15.00	73.71	0.00	0.09	43	0	0	115	0	115
20+50	2050.00	10.00	68.39	0.00	0.38	26	0	0	141	0	141
20+70	2070.00	20.00	72.34	0.00	2.34	52	0	1	193	1	192
20+75	2075.00	5.00	81.73	0.00	2.02	14	0	0	207	1	206
21+00	2100.00	25.00	81.19	0.00	0.90	75	0	1	282	3	280
21+25.011	2125.01	25.01	99.28	0.00	1.85	84	0	1	366	4	362
21+26.4	2126.40	1.39	102.99	0.00	4.85	5	0	0	371	4	367

Division 1 - ROUNDABOUT CENTER CIRCLE

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
00+00	0.00	0.00	61.87	0.00	16.99	0	0	0	0	0	0
00+14.848	14.85	14.85	78.55	0.00	17.42	39	0	9	39	11	28
00+25	25.00	10.15	82.07	0.00	17.45	30	0	7	69	20	49
00+35.652	35.65	10.65	107.43	0.00	17.53	37	0	7	106	29	77
00+50	50.00	14.35	69.79	0.00	17.54	47	0	9	153	40	113
00+63.507	63.51	13.51	83.91	0.00	17.63	38	0	9	191	51	140
00+75	75.00	11.49	56.73	0.00	17.99	30	0	8	221	61	160
00+100	100.00	25.00	86.82	0.00	18.36	66	0	17	287	83	205
01+03.46	103.46	3.46	99.50	0.00	18.35	12	0	2	299	85	214
01+17.5	117.50	14.04	72.35	0.00	17.93	45	0	9	344	96	248
01+25.444	125.44	7.94	53.71	0.00	17.66	19	0	5	363	103	261
01+33.525	133.53	8.08	95.67	0.00	17.43	22	0	5	385	109	276
01+50	150.00	16.47	70.42	0.00	17.06	51	0	11	436	123	314
01+62.572	162.57	12.57	85.69	0.00	16.09	36	0	8	472	133	340
01+75	175.00	12.43	59.90	0.00	16.98	34	0	8	506	143	364

Division 1 - ROUNDABOUT NB TO EB

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
13+84.909	1384.91	0.00	76.89	0.00	0.00	0	0	0	0	0	0
14+00	1400.00	15.09	88.79	0.00	0.00	46	0	0	46	0	46
14+25	1425.00	25.00	92.47	0.00	0.30	84	0	0	130	0	130
14+35.387	1435.39	10.39	22.75	0.00	0.00	22	0	0	152	0	152
14+36.106	1436.11	0.72	22.73	0.00	0.00	1	0	0	153	0	153
14+50	1450.00	13.89	19.50	0.00	0.14	11	0	0	164	0	164
14+75	1475.00	25.00	20.04	0.00	0.12	18	0	0	182	0	182
14+97.819	1497.82	22.82	17.00	0.00	0.00	16	0	0	198	0	198
14+98.027	1498.03	0.21	61.12	0.00	0.00	0	0	0	198	0	198
15+00	1500.00	1.97	61.17	0.00	0.00	4	0	0	202	0	202
15+12.5	1512.50	12.50	59.71	0.00	0.27	28	0	0	230	0	230
15+20.877	1520.88	8.38	61.21	0.00	0.21	19	0	0	249	0	249
15+25	1525.00	4.12	34.85	0.00	0.04	7	0	0	256	0	256
15+25.849	1525.85	0.85	30.16	0.00	0.02	1	0	0	257	0	257

Division 1 - ROUNDABOUT WB TO NB

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
14+35.84	1435.84	0.00	60.52	0.00	0.15	0	0	0	0	0	0
14+50	1450.00	14.16	69.54	0.00	0.01	34	0	0	34	0	34
14+62.5	1462.50	12.50	85.92	0.00	0.08	36	0	0	70	0	70
14+70	1470.00	7.50	89.21	0.00	0.03	24	0	0	94	0	94
14+75	1475.00	5.00	53.34	0.00	0.00	13	0	0	107	0	107
14+85	1485.00	10.00	64.73	0.00	0.00	22	0	0	129	0	129
14+93.813	1493.81	8.81	59.09	0.00	0.00	20	0	0	149	0	149
14+94.317	1494.32	0.50	18.46	0.00	0.00	1	0	0	150	0	150
15+00	1500.00	5.68	19.94	0.00	0.00	4	0	0	154	0	154
15+25	1525.00	25.00	17.22	0.00	0.00	17	0	0	171	0	171
15+40	1540.00	15.00	13.58	0.00	0.24	9	0	0	180	0	180
15+40.597	1540.60	0.60	72.03	0.00	0.23	1	0	0	181	0	181
15+50	1550.00	9.40	107.24	0.00	0.00	31	0	0	212	0	212
15+75	1575.00	25.00	79.50	0.00	0.00	86	0	0	298	0	298
16+00	1600.00	25.00	65.47	0.00	0.00	67	0	0	365	0	365
16+14.32	1614.32	14.32	60.41	0.00	0.00	33	0	0	398	0	398

Division 1 - ROUNDABOUT SB

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
13+87.784	1387.78	0.00	57.12	0.00	3.25	0	0	0	0	0	0
14+00	1400.00	12.22	61.90	0.00	2.15	27	0	1	27	1	26
14+25	1425.00	25.00	90.71	0.00	0.00	71	0	1	98	3	96
14+50	1450.00	25.00	111.86	0.00	0.00	94	0	0	192	3	190
14+53.557	1453.56	3.56	105.61	0.00	0.00	14	0	0	206	3	204
14+55	1455.00	1.44	47.30	0.00	0.00	4	0	0	210	3	208
14+75	1475.00	20.00	18.99	0.00	0.00	25	0	0	235	3	233
15+00	1500.00	25.00	14.99	0.00	0.00	16	0	0	251	3	249
15+25	1525.00	25.00	24.40	0.00	0.49	18	0	0	269	3	267
15+35.477	1535.48	10.48	13.56	0.00	0.16	7	0	0	276	3	274
15+35.566	1535.57	0.09	59.56	0.00	0.16	0	0	0	276	3	274
15+50	1550.00	14.43	78.62	0.00	0.01	37	0	0	313	3	311
15+75	1575.00	25.00	69.06	0.00	0.00	68	0	0	381	3	379
16+00	1600.00	25.00	58.36	0.00	0.00	59	0	0	440	3	438
16+07.792	1607.79	7.79	46.48	0.00	0.00	15	0	0	455	3	453

Division 1 - ALIGNMENT - S. BROOKE ST

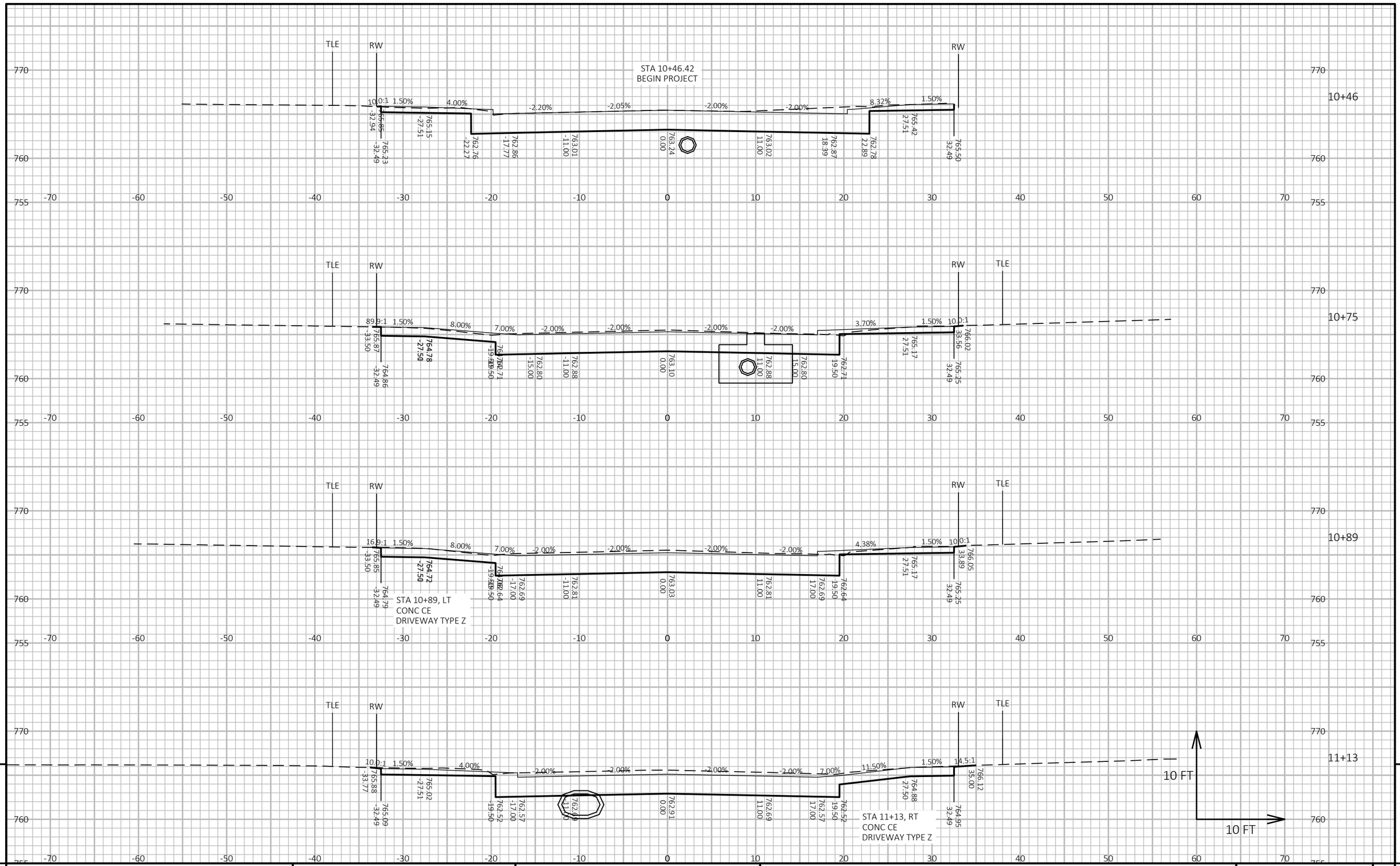
STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	1.00 NOTE 1	1.25	NOTE 8
80+29.299	8029.30	0.00	87.31	0.00	0.02	0	0	0	0	0	0
80+34.3	8034.30	5.00	102.86	0.00	0.01	18	0	0	18	0	18
80+50	8050.00	15.70	140.18	0.00	0.00	71	0	0	89	0	89
80+75	8075.00	25.00	95.19	0.00	0.00	109	0	0	198	0	198
81+00	8100.00	25.00	63.49	0.00	0.00	73	0	0	271	0	271
81+23.252	8123.25	23.25	59.81	0.00	0.00	53	0	0	324	0	324

Division 1 - ALIGNMENT - WESTERN AVE

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	1.00 NOTE 1	1.25	NOTE 8
100+52.82	10052.82	0.00	75.00	10.00	0.00	0	0	0	0	0	0
100+84.91	10084.91	32.09	95.49	10.00	0.00	101	12	0	0	0	89
101+00	10100.00	15.09	95.26	10.00	0.00	53	6	0	53	0	136
101+25	10125.00	25.00	99.01	10.00	0.00	90	9	0	143	0	217
101+50	10150.00	25.00	125.89	10.00	0.00	104	9	0	247	0	312
101+56.74	10156.74	6.74	130.11	10.00	0.00	32	2	0	279	0	342
101+75	10175.00	18.26	116.79	0.00	0.00	83	3	0	362	0	422
102+00	10200.00	25.00	96.75	0.00	0.00	99	0	0	461	0	521
102+07.897	10207.90	7.90	70.56	0.00	0.09	24	0	0	485	0	545
102+19.686	10219.69	11.79	46.21	0.00	0.02	25	0	0	510	0	570
102+58.2	10258.20	0.00	59.97	0.00	0.00	0	0	0	510	0	570
102+68.397	10268.40	10.20	68.63	0.00	0.00	24	0	0	534	0	594
102+75	10275.00	6.60	81.91	0.00	0.00	18	0	0	552	0	612
103+00	10300.00	25.00	123.89	0.00	0.00	95	0	0	647	0	707
103+25	10325.00	25.00	88.90	0.00	0.00	99	0	0	746	0	806
103+50	10350.00	25.00	77.43	0.00	0.00	77	0	0	823	0	883
103+75	10375.00	25.00	71.38	0.00	0.00	69	0	0	892	0	952
103+87.5	10387.50	12.50	73.95	0.00	0.00	34	0	0	926	0	986
104+00	10400.00	12.50	74.11	0.00	0.00	34	0	0	960	0	1,020
104+10	10410.00	10.00	72.12	0.00	0.00	27	0	0	987	0	1,047
104+11.43	10411.43	1.43	63.32	0.00	0.00	4	0	0	991	0	1,051

Division 1 - ALIGNMENT - WESTERN NE QUAD BYPASS

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	1.00 NOTE 1	1.25	NOTE 8
10+01.286	1001.29	0.00	34.22	0.00	0.00	0	0	0	0	0	0
10+25	1025.00	23.71	40.44	0.00	0.16	33	0	0	33	0	33
10+50	1050.00	25.00	50.06	0.00	0.05	42	0	0	75	0	75
10+75	1075.00	25.00	55.12	0.00	1.71	49	0	1	124	1	123
10+87.5	1087.50	12.50	91.10	0.00	4.72	34	0	1	158	3	156
11+00	1100.00	12.50	49.56	0.00	6.81	33	0	3	191	6	185
11+25	1125.00	25.00	13.27	0.00	4.99	29	0	5	220	13	208
11+29.24	1129.24	4.24	14.51	0.00	3.30	2	0	1	222	14	208



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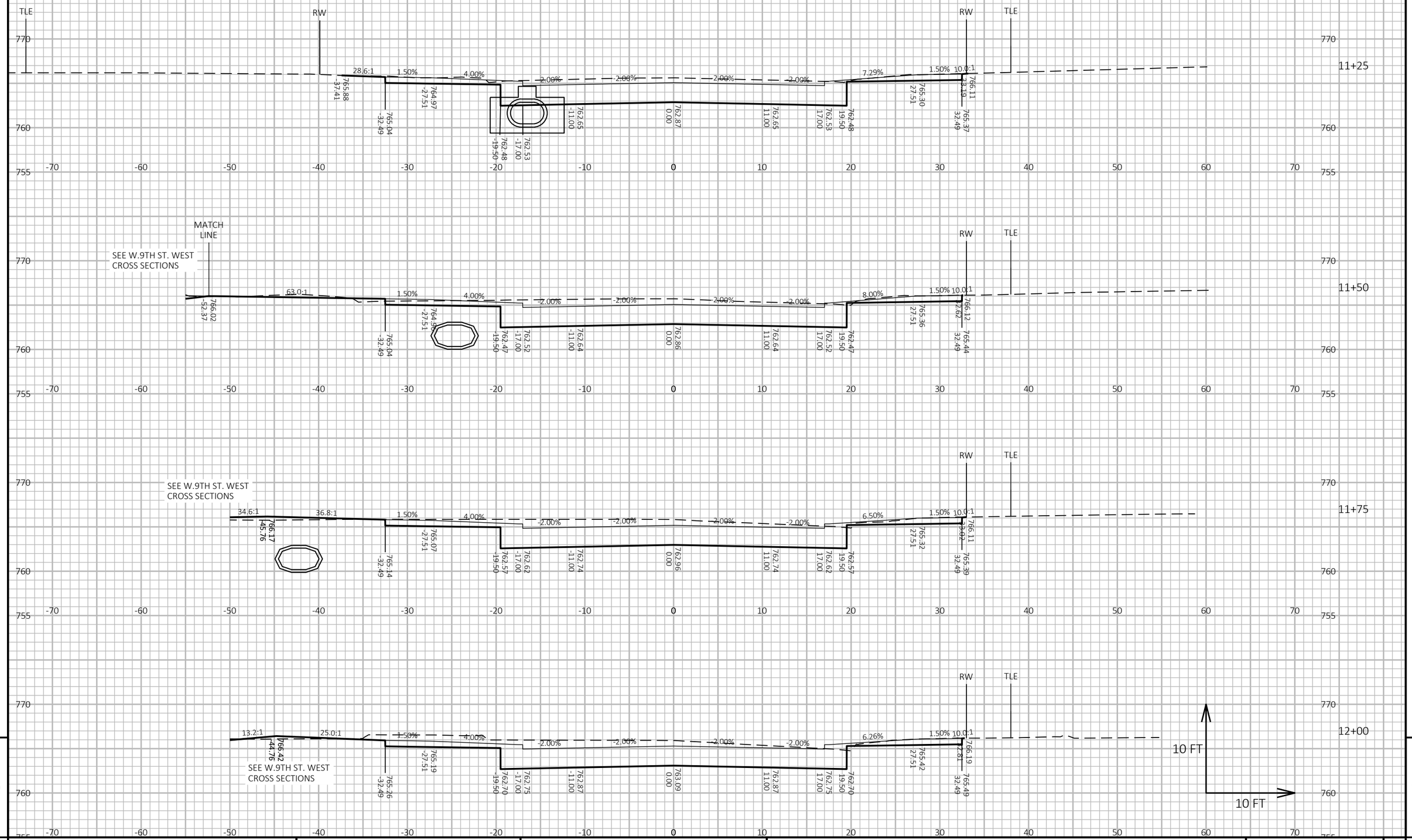
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FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090202-XS MILITARY ROAD.DWG
LAYOUT NAME - 090201-xs

PLOT DATE : 10/27/2021 9:15 AM PLOT BY : BRAD LEE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

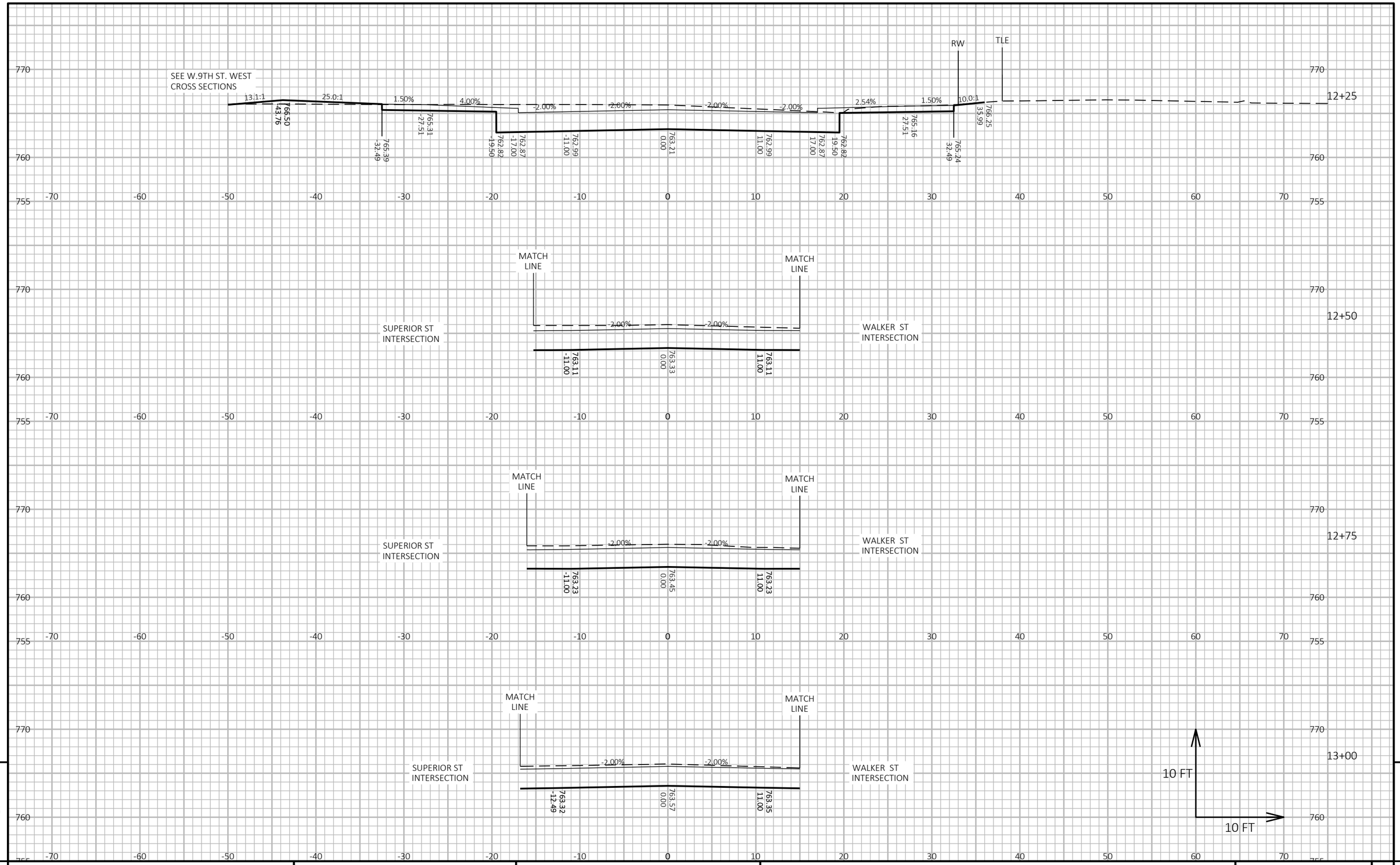


PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: MILITARY ROAD	SHEET 318	E

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LAYOUT NAME - 090202-xs

PLOT DATE : 10/27/2021 9:15 AM PLOT BY : BRAD LEE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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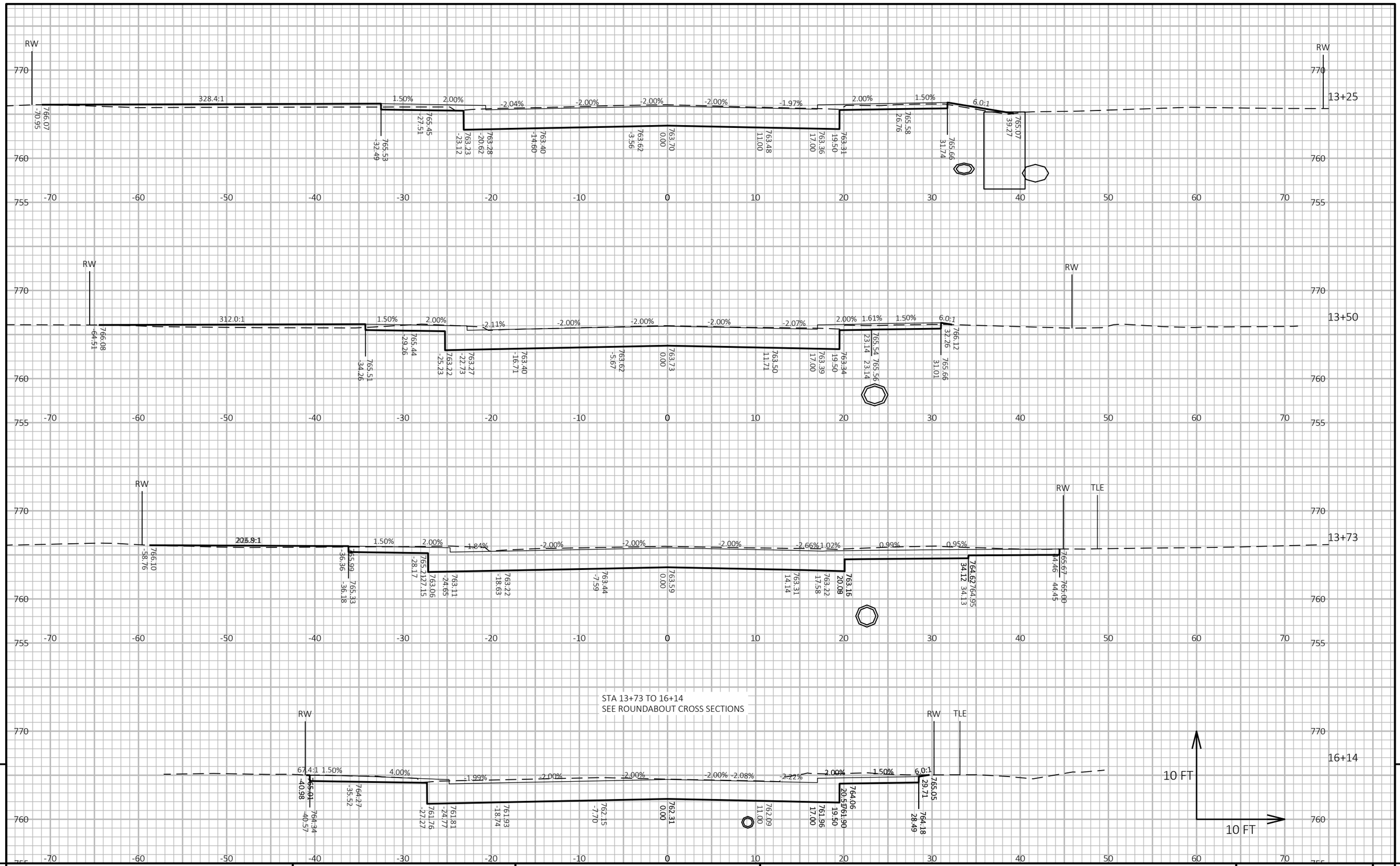
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PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: MILITARY ROAD	SHEET 319	E

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LAYOUT NAME - 090203-xs

PLOT DATE : 10/27/2021 9:15 AM PLOT BY : BRAD LEE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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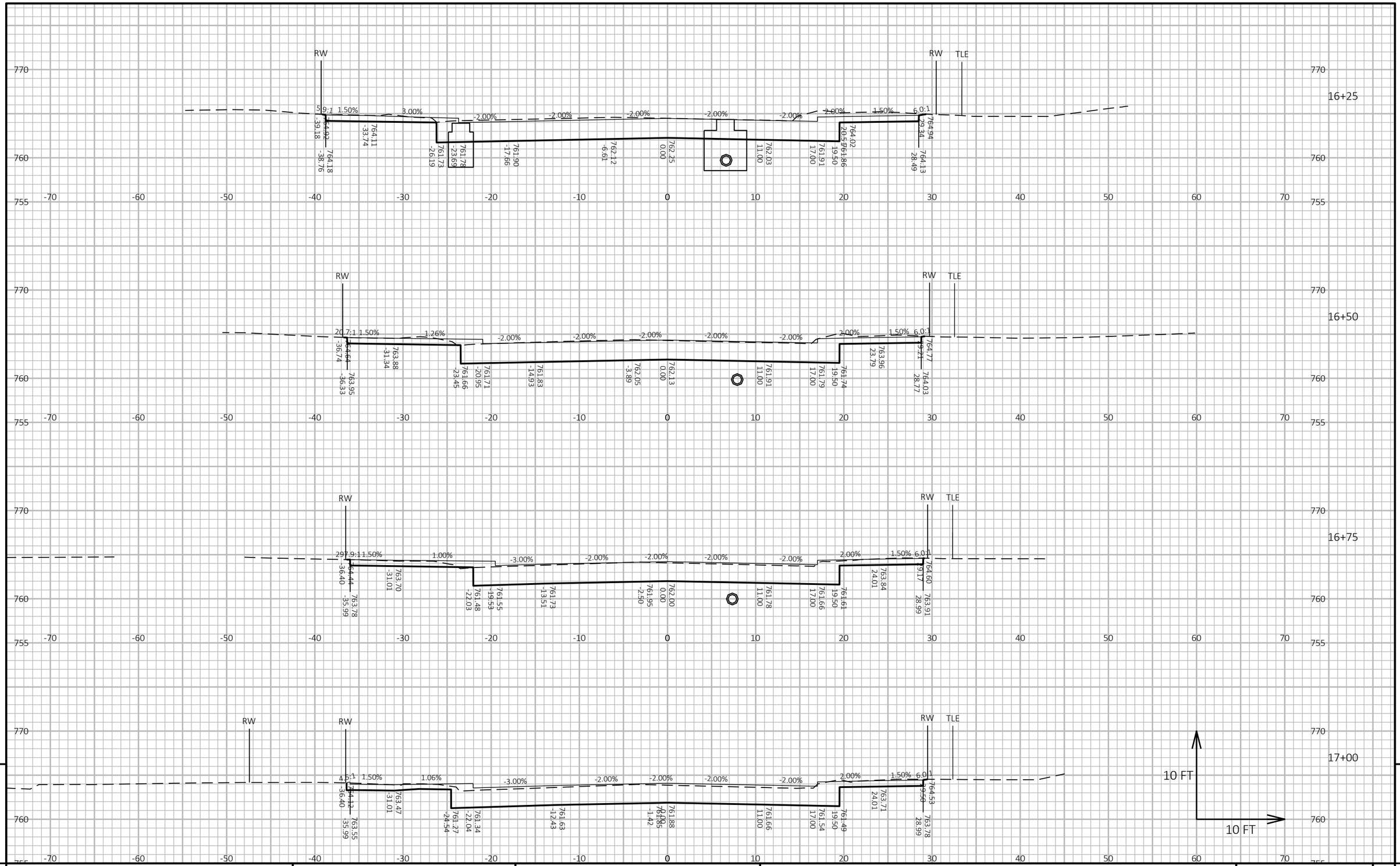
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LAYOUT NAME - 090204-xs

PLOT DATE : 10/27/2021 9:16 AM PLOT BY : BRAD LEE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: MILITARY ROAD	SHEET 321	E

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LAYOUT NAME - 090205-xs

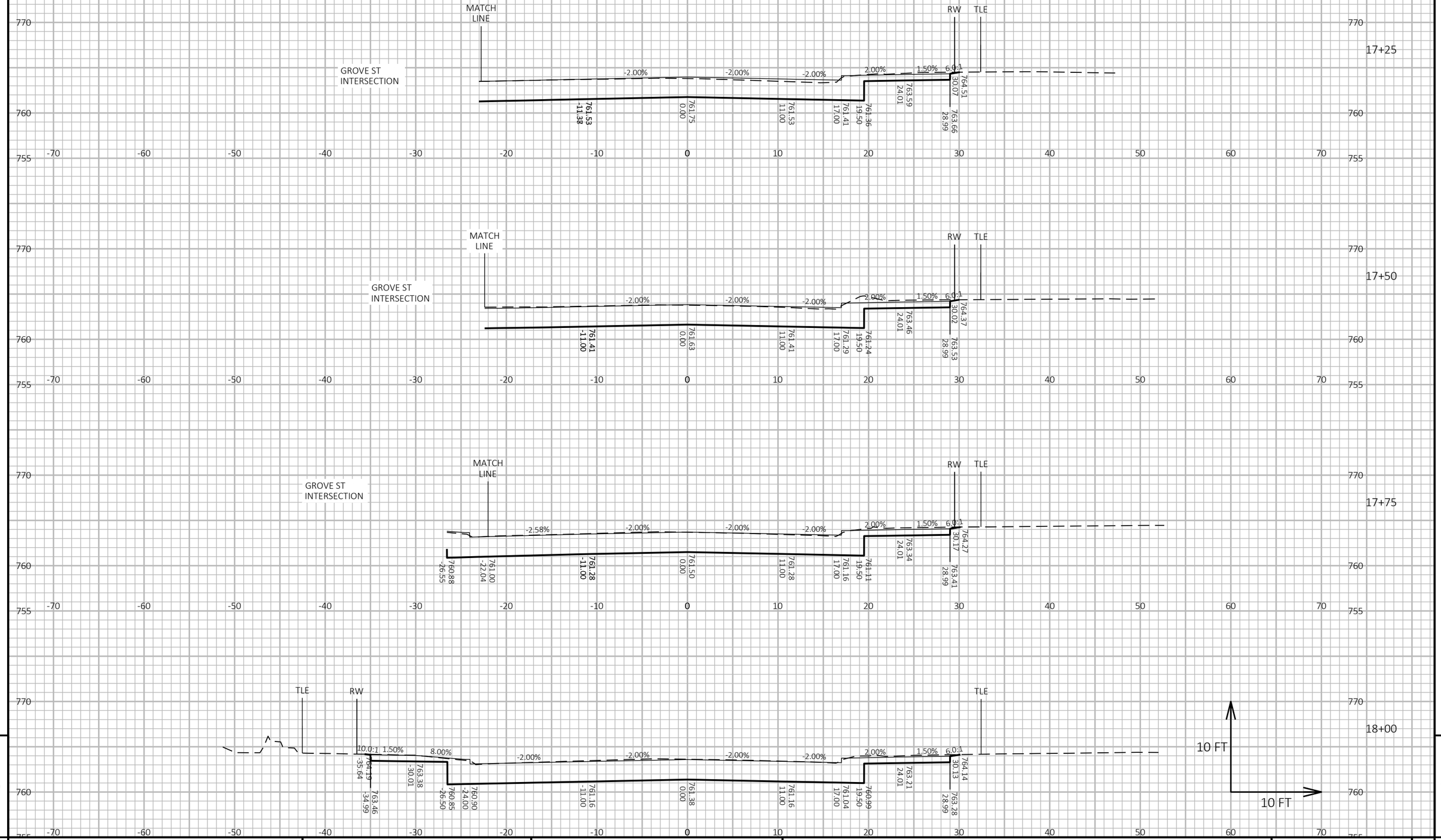
PLOT DATE : 10/27/2021 9:16 AM

PLOT BY : BRAD LEE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

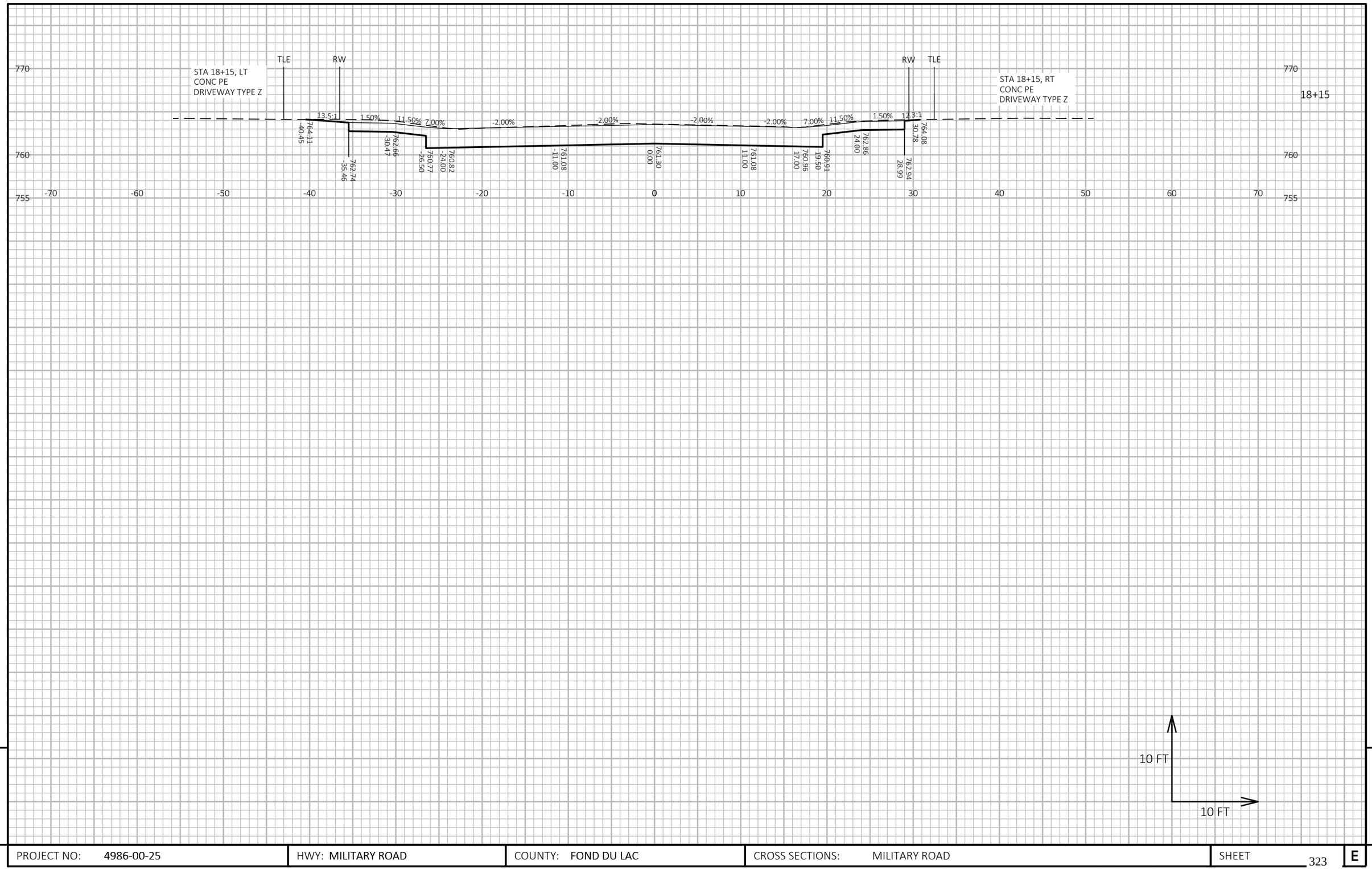
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PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: MILITARY ROAD	SHEET 322	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090202-XS MILITARY ROAD.DWG
LAYOUT NAME - 090206-xs

PLOT DATE : 10/27/2021 9:16 AM PLOT BY : BRAD LEE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



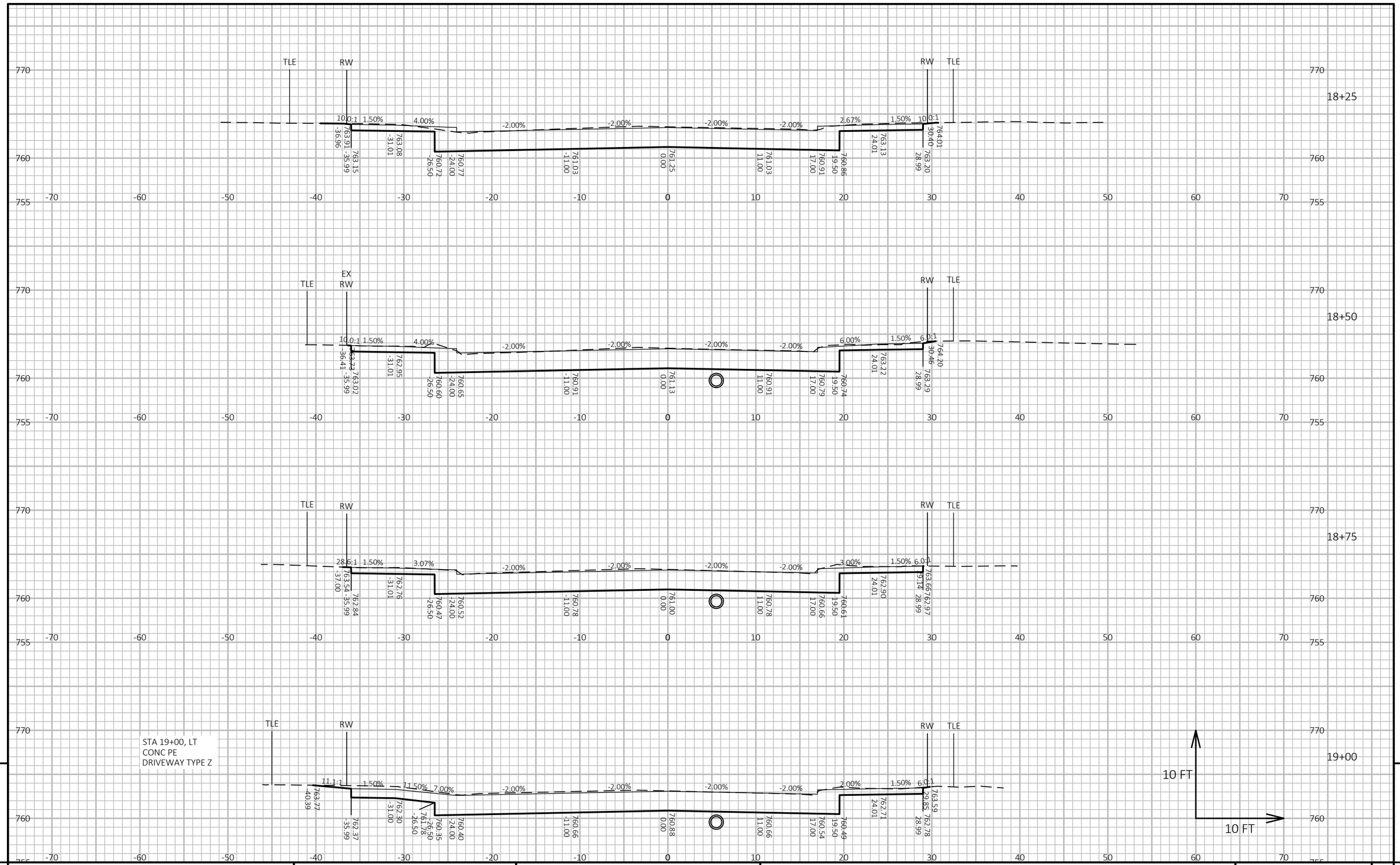
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PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: MILITARY ROAD	SHEET 323	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090202-XS MILITARY ROAD.DWG
LAYOUT NAME - 090207-xs

PLOT DATE : 10/27/2021 9:16 AM PLOT BY : BRAD LEE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

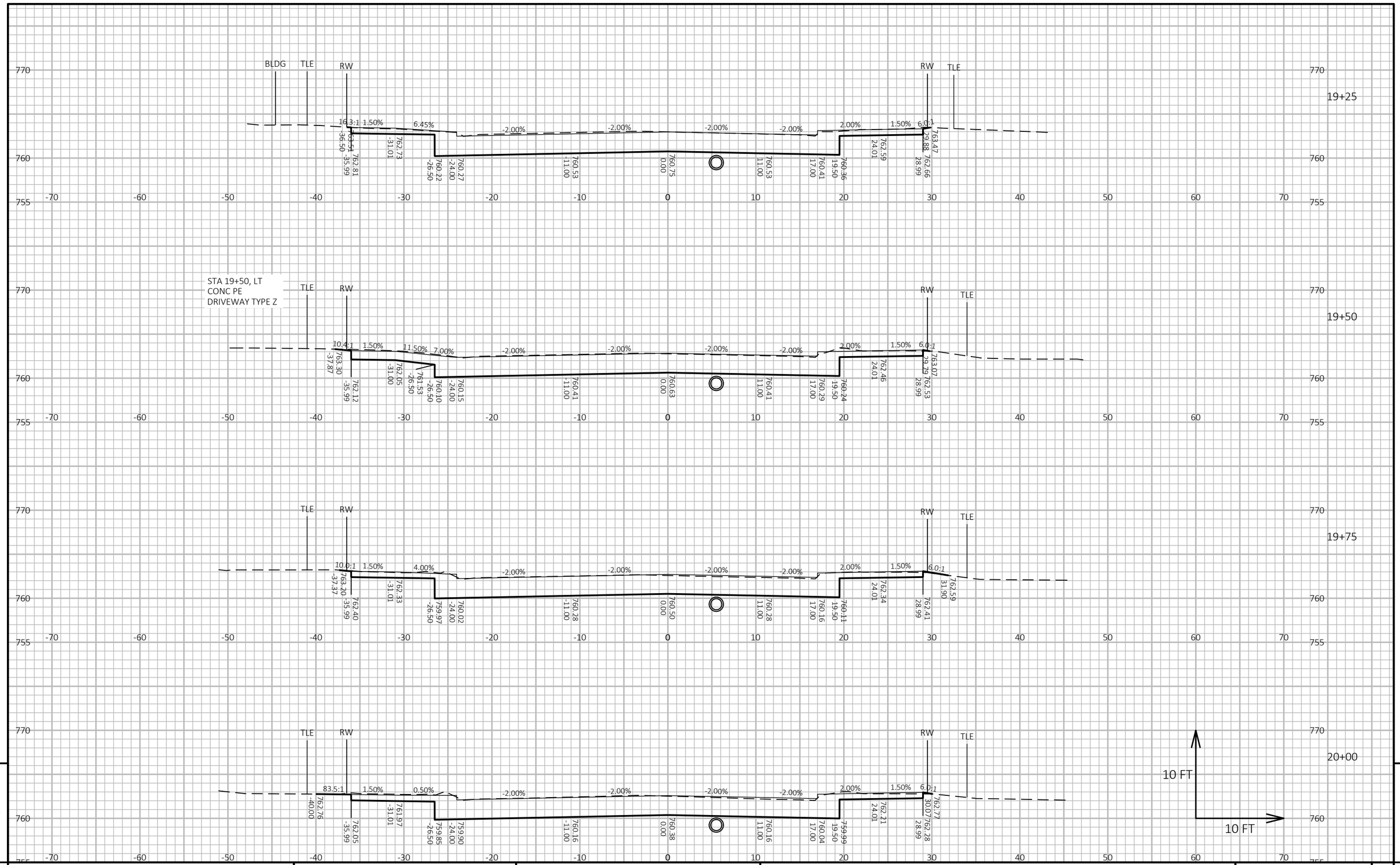
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PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: MILITARY ROAD	SHEET 324	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090203-XS MILITARY ROAD.DWG
LAYOUT NAME - 090208-xs

PLOT DATE : 10/27/2021 9:16 AM PLOT BY : BRAD LEE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

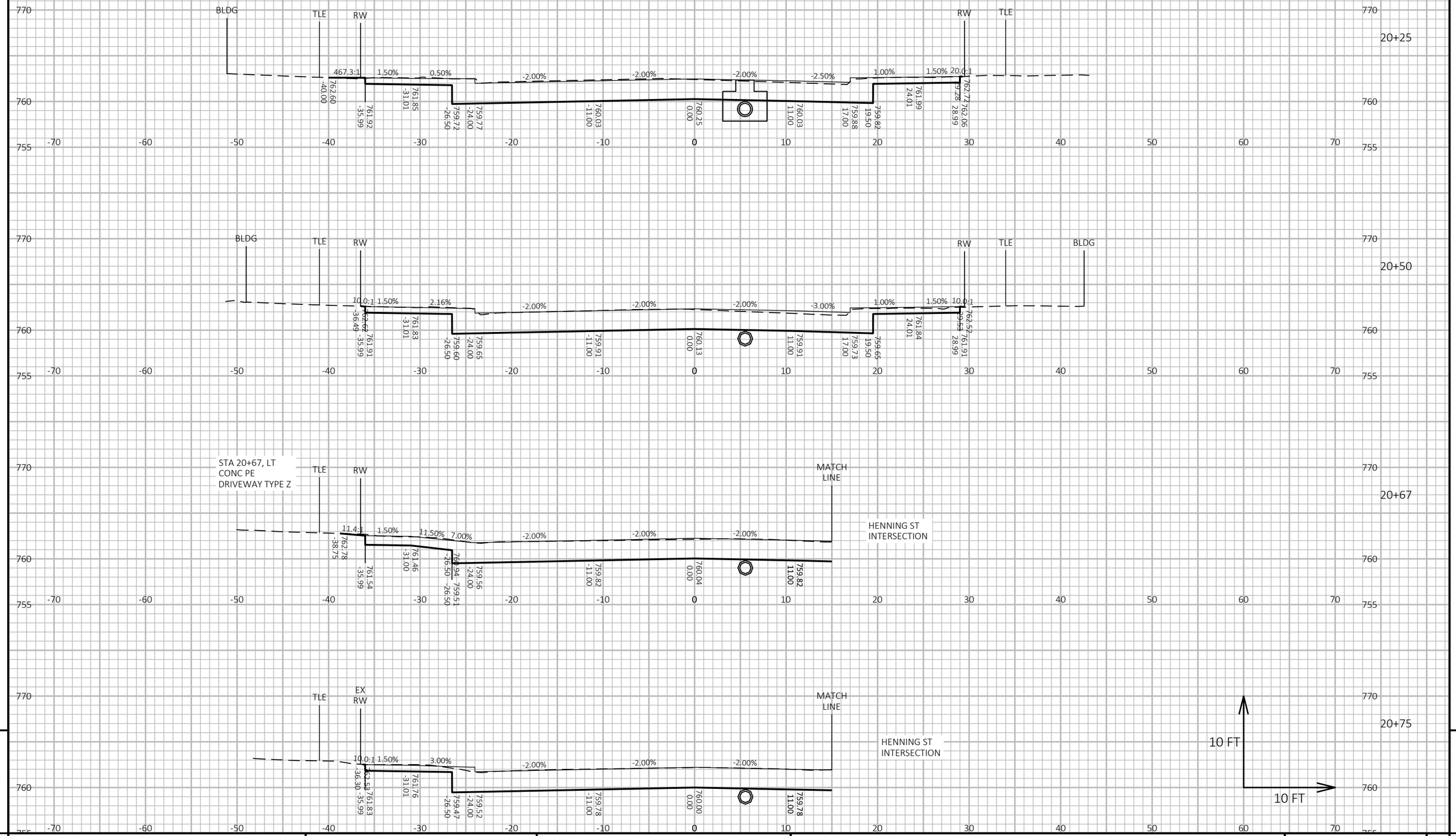
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PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: MILITARY ROAD	SHEET 325	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090203-XS MILITARY ROAD.DWG
LAYOUT NAME - 090209-xs

PLOT DATE : 10/27/2021 9:16 AM PLOT BY : BRAD LEE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

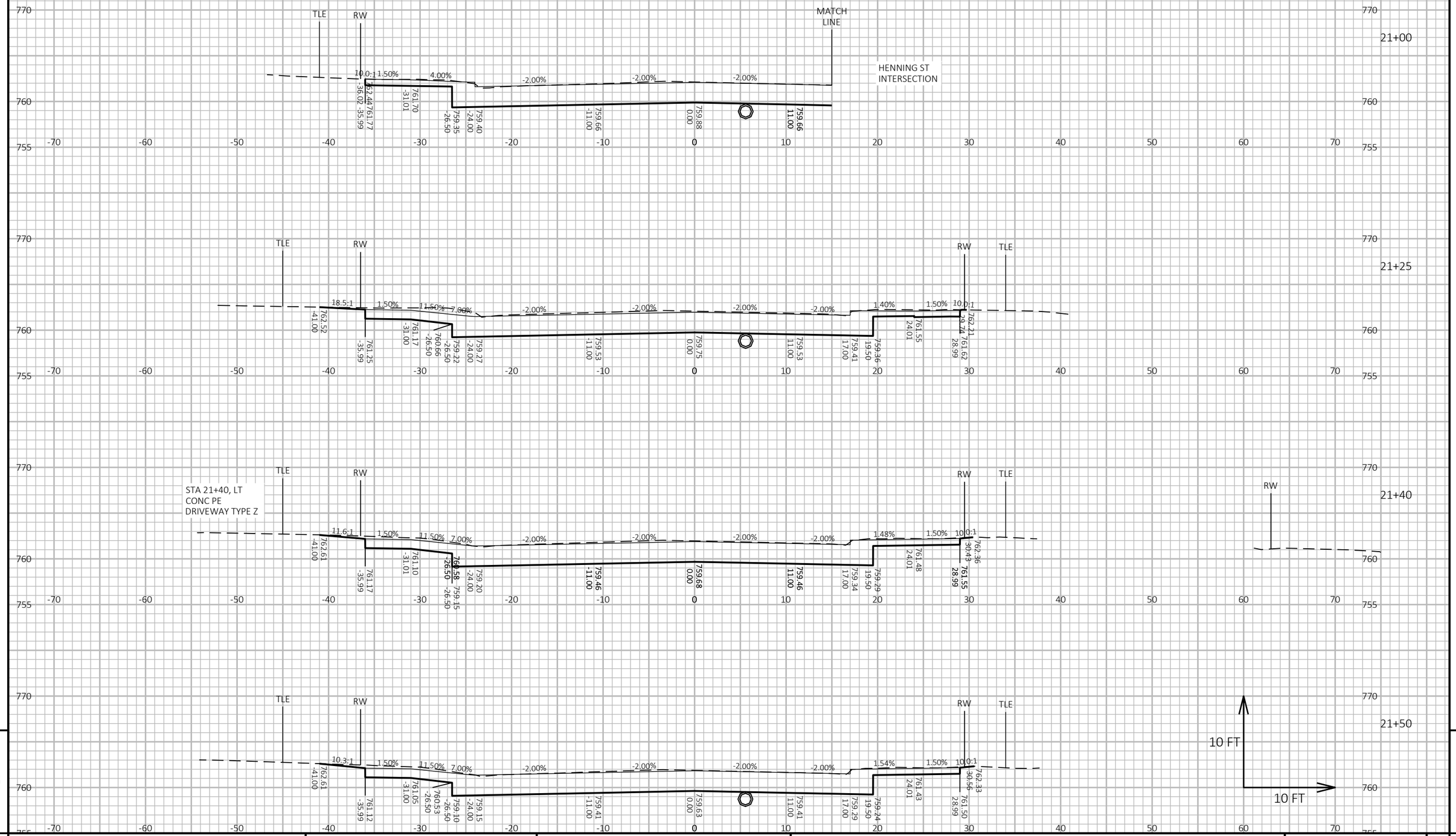
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PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: MILITARY ROAD	SHEET 326	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090203-XS MILITARY ROAD.DWG
LAYOUT NAME - 090210-xs

PLOT DATE : 10/27/2021 9:16 AM PLOT BY : BRAD LEE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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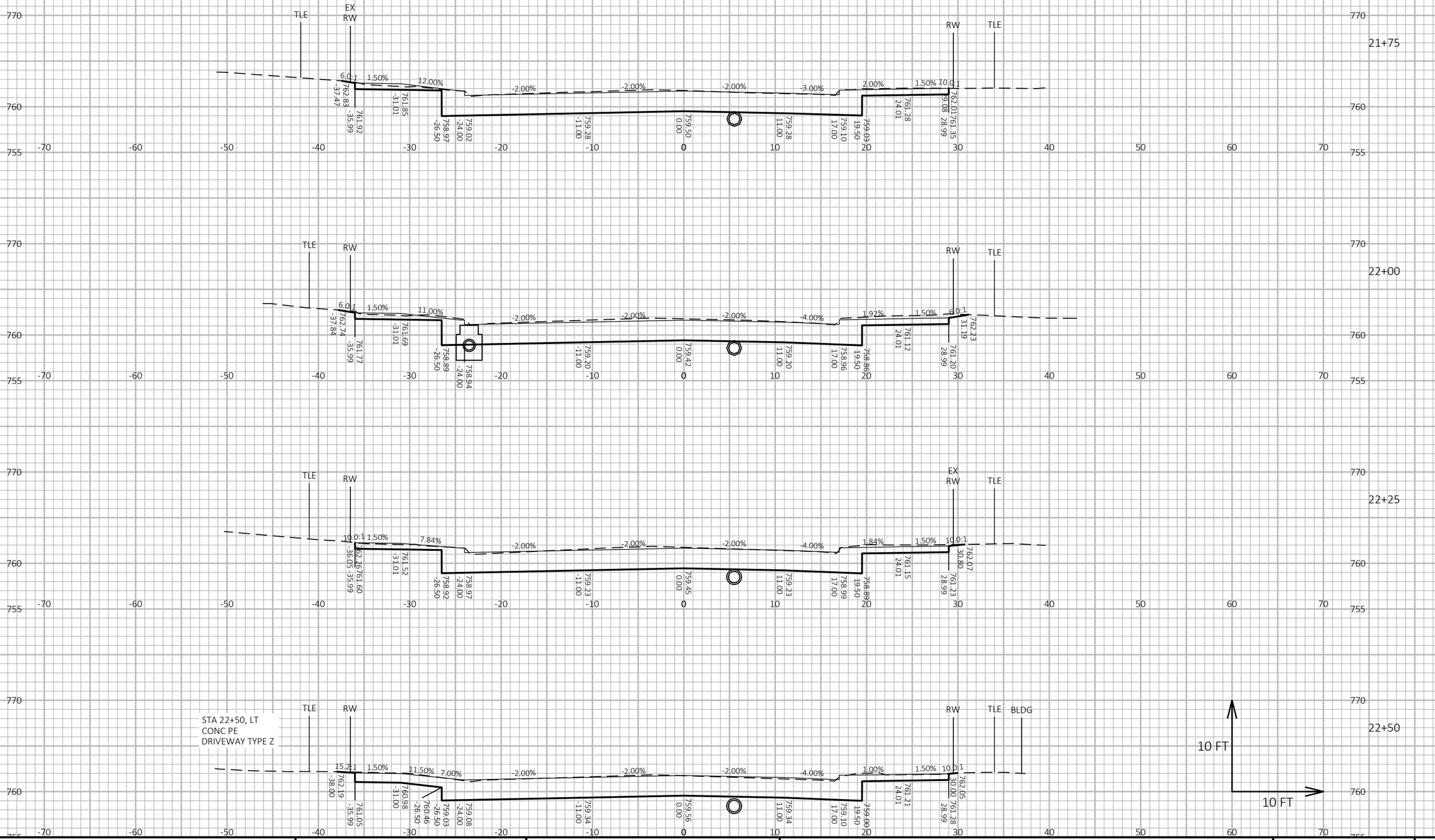
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PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: MILITARY ROAD	SHEET 327	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090203-XS MILITARY ROAD.DWG
LAYOUT NAME - 090211-xs

PLOT DATE : 10/27/2021 9:16 AM PLOT BY : BRAD LEE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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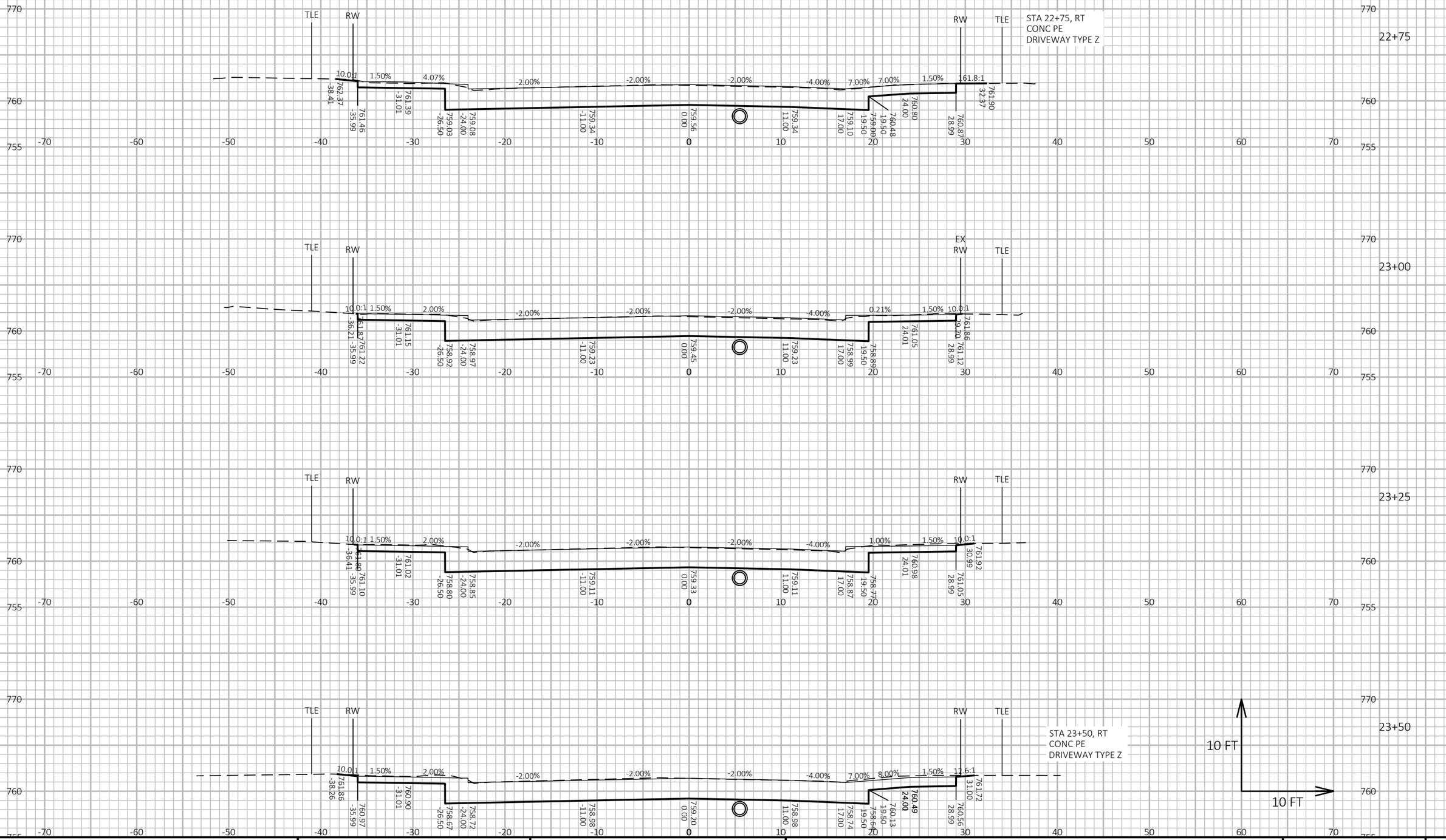
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PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: MILITARY ROAD	SHEET 328	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090203-XS MILITARY ROAD.DWG
LAYOUT NAME - 090212-xs

PLOT DATE : 10/27/2021 9:16 AM PLOT BY : BRAD LEE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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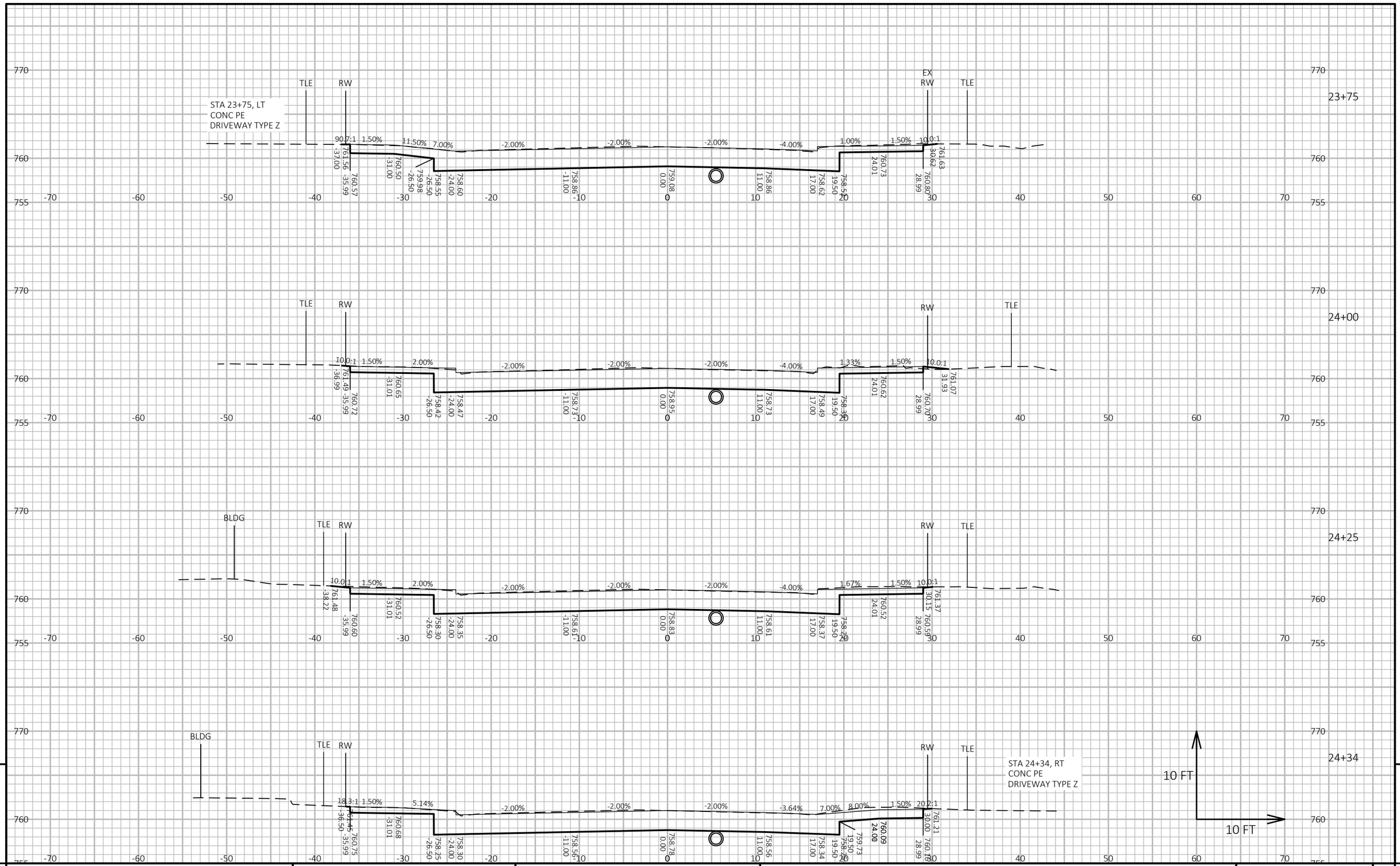
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PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: MILITARY ROAD	SHEET 329	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090203-XS MILITARY ROAD.DWG
LAYOUT NAME - 090213-xs

PLOT DATE : 10/27/2021 9:16 AM PLOT BY : BRAD LEE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: MILITARY ROAD	SHEET 330	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090203-XS MILITARY ROAD.DWG
LAYOUT NAME - 090214-xs

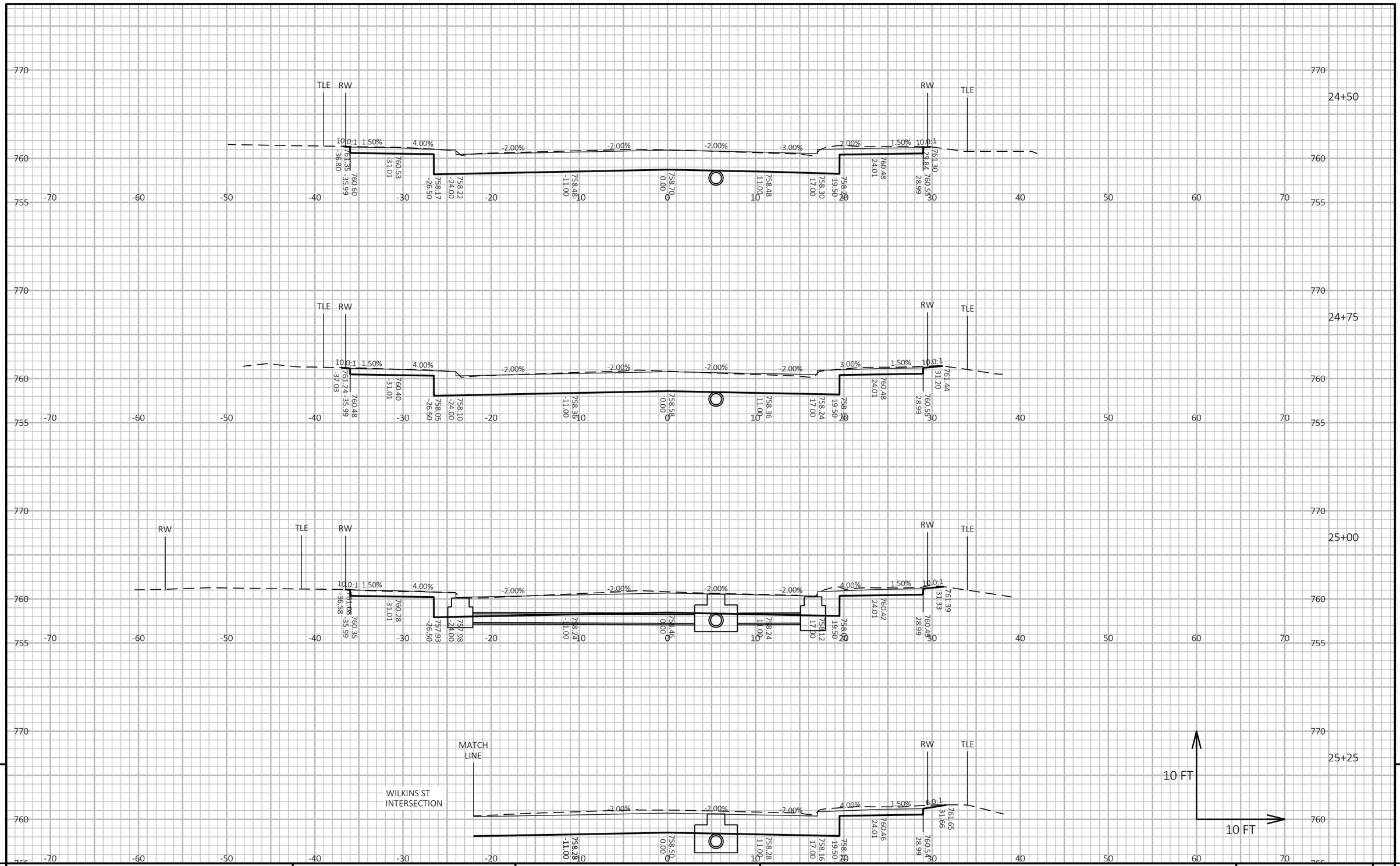
PLOT DATE : 10/27/2021 9:16 AM

PLOT BY : BRAD LEE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: MILITARY ROAD	SHEET 331	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090203-XS MILITARY ROAD.DWG
LAYOUT NAME - 090215-xs

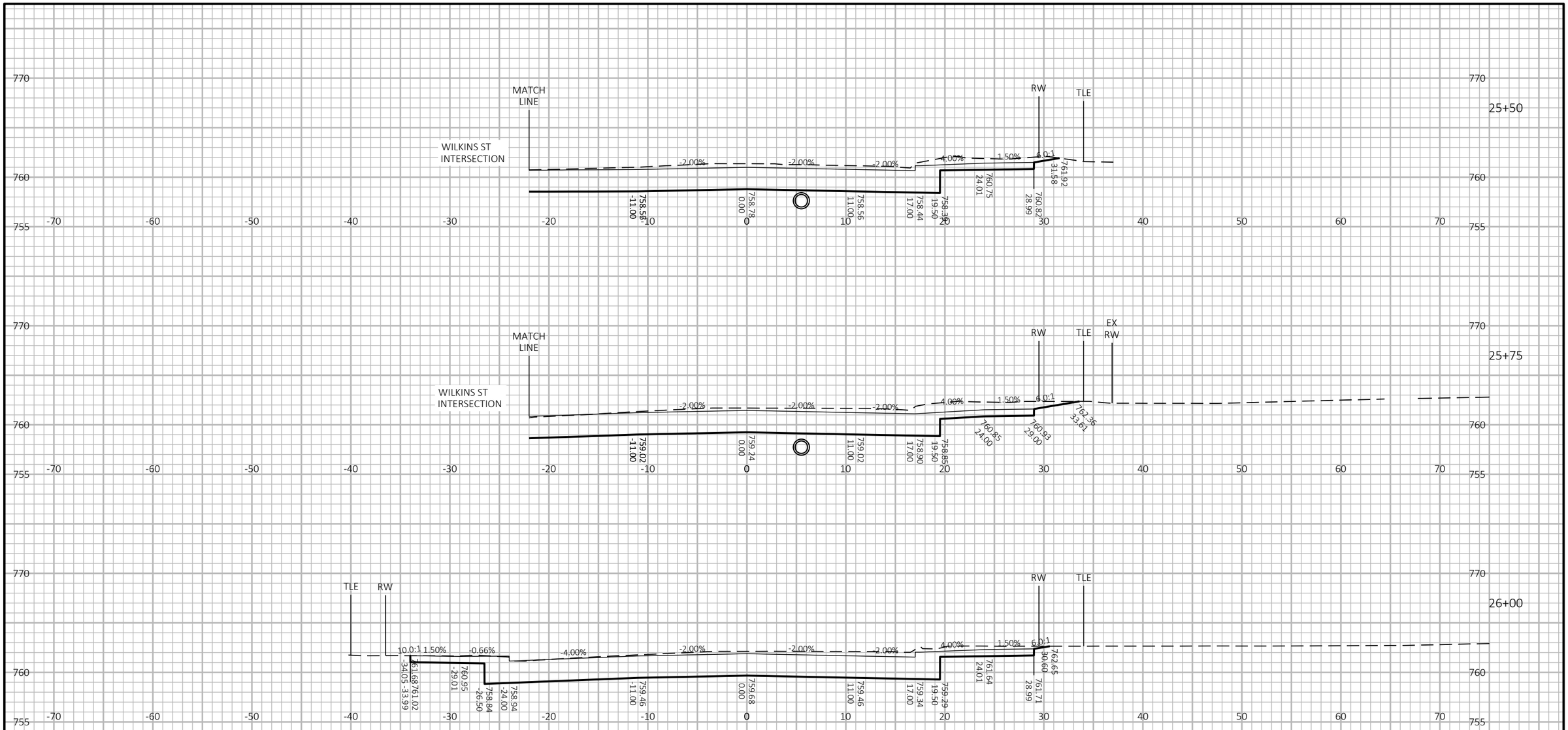
PLOT DATE : 10/27/2021 9:16 AM

PLOT BY : BRAD LEE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



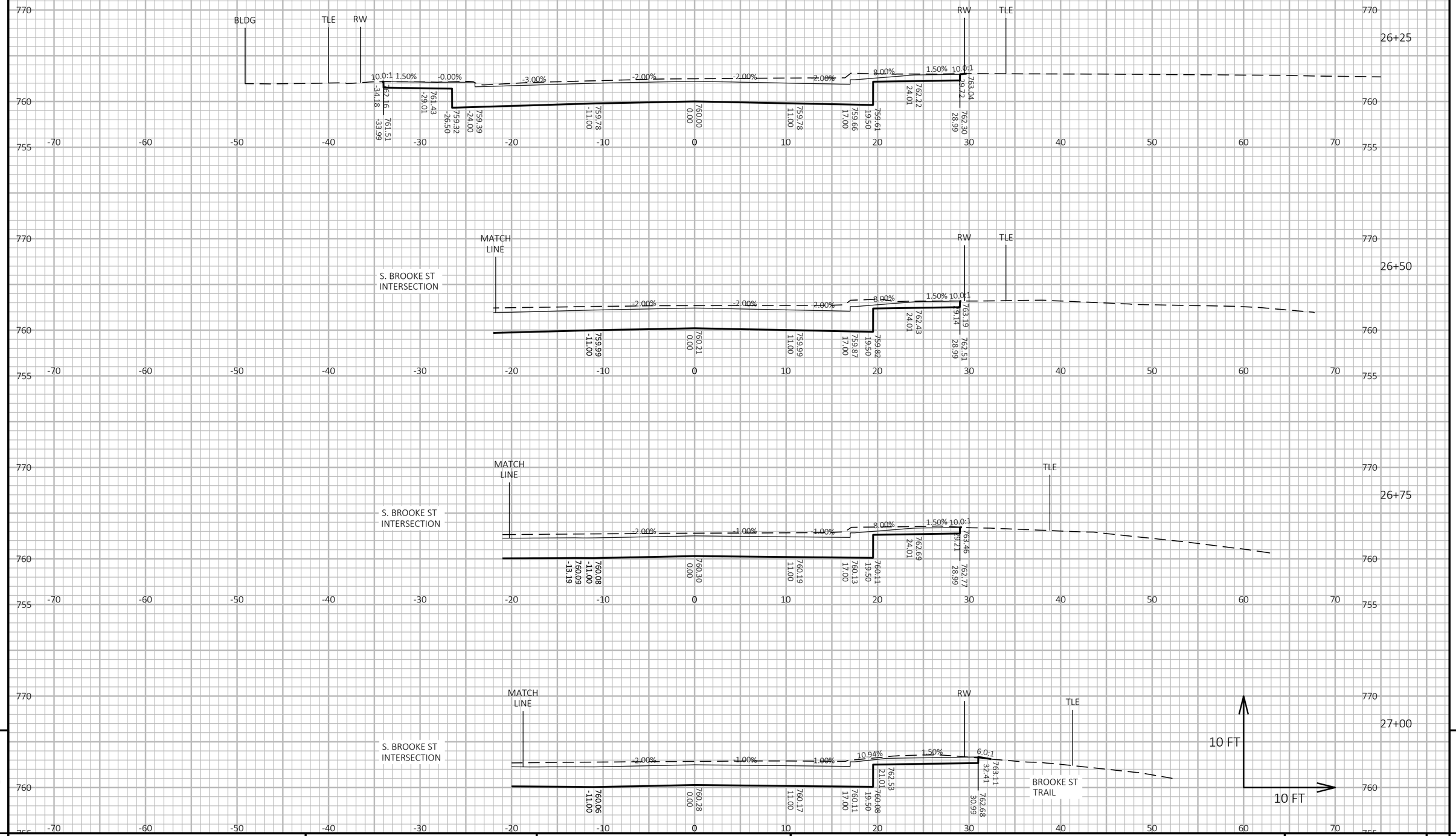
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PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: MILITARY ROAD	SHEET 332	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090203-XS MILITARY ROAD.DWG
LAYOUT NAME - 090216-xs

PLOT DATE : 10/27/2021 9:16 AM PLOT BY : BRAD LEE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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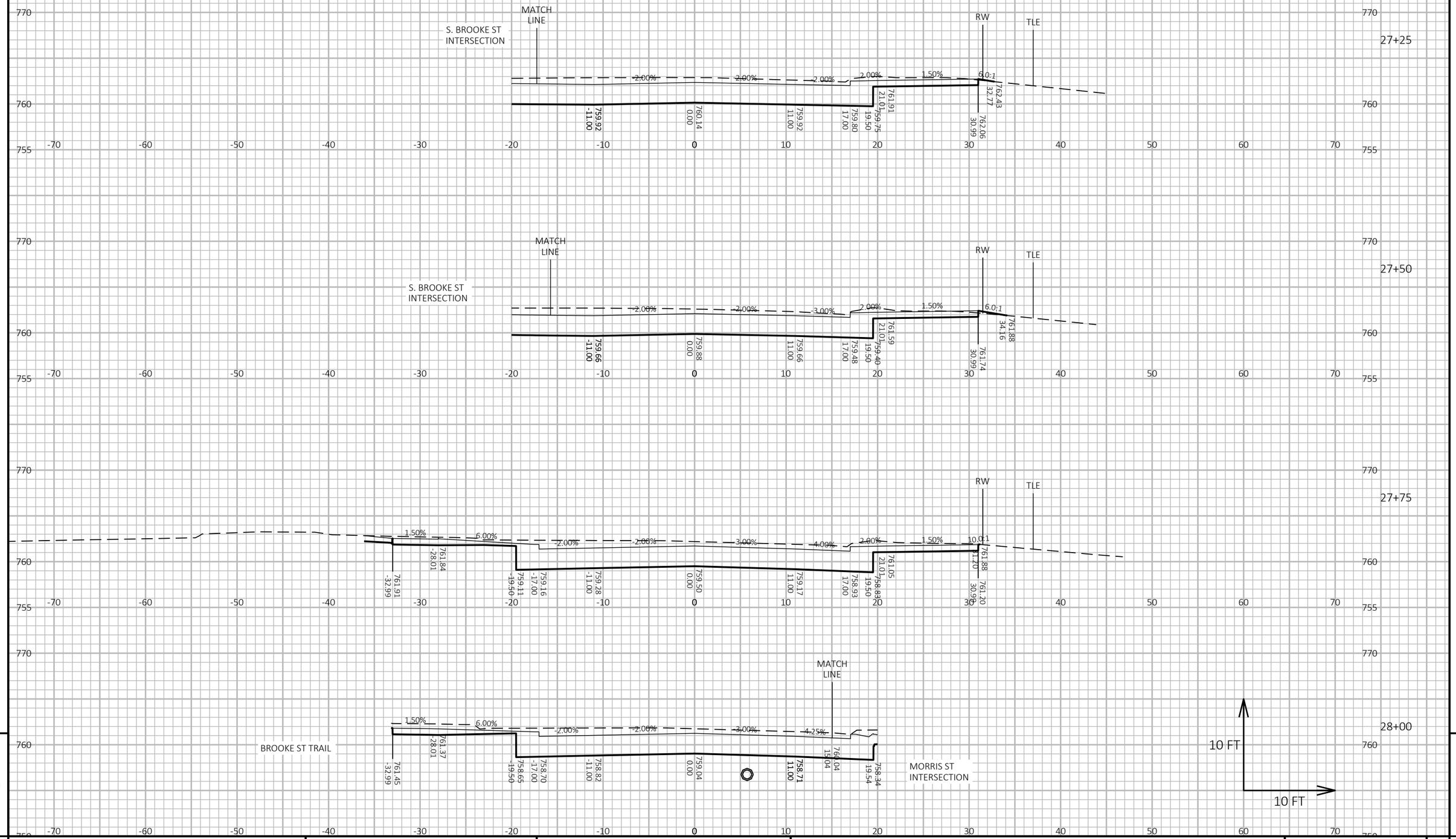
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PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: MILITARY ROAD	SHEET 333	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090204-XS MILITARY ROAD.DWG
LAYOUT NAME - 090217-xs

PLOT DATE : 10/27/2021 9:17 AM PLOT BY : BRAD LEE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: MILITARY ROAD	SHEET 334 E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090204-XS MILITARY ROAD.DWG
LAYOUT NAME - 090218-xs

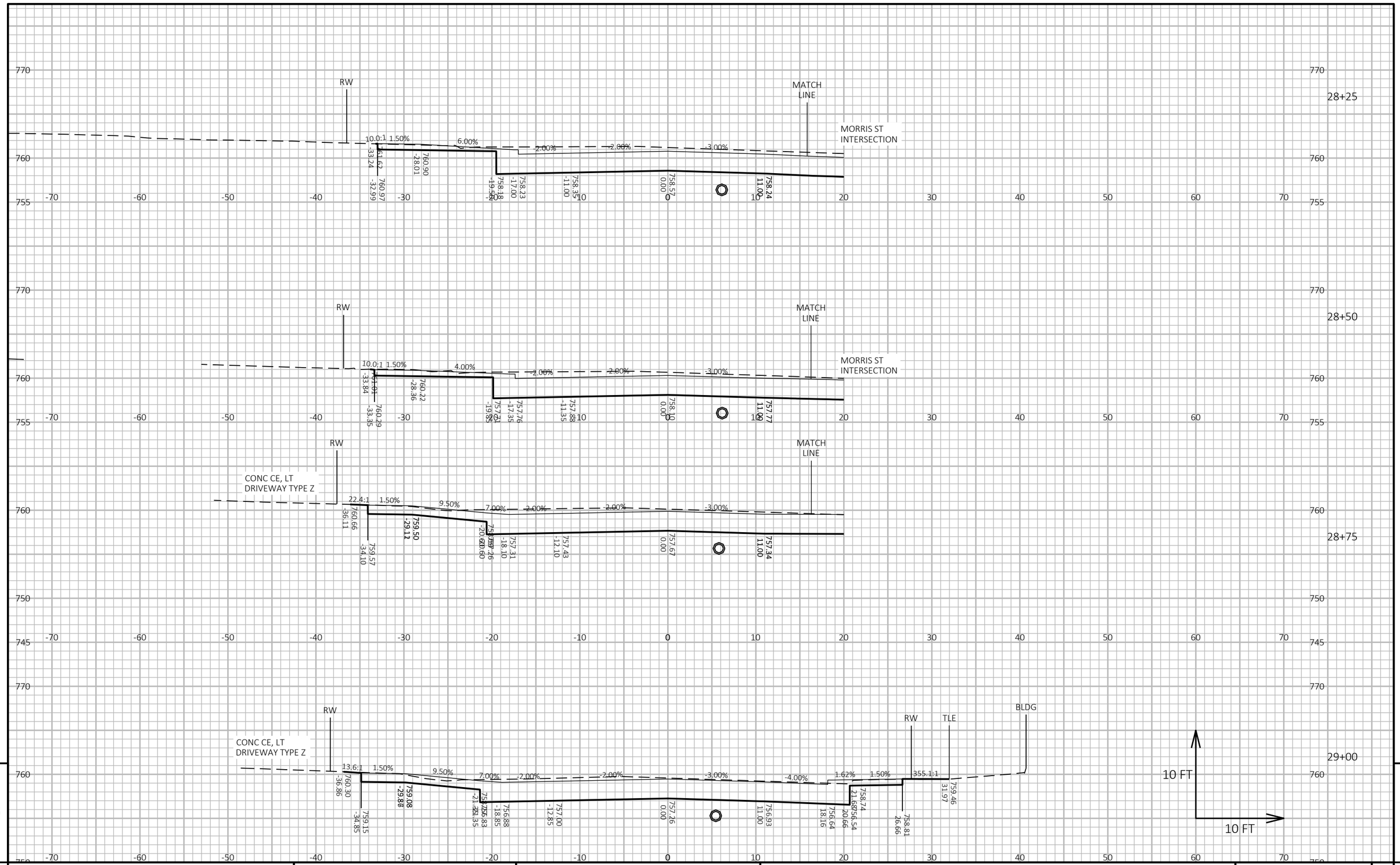
PLOT DATE : 10/27/2021 9:17 AM

PLOT BY : BRAD LEE

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: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: MILITARY ROAD	SHEET 335	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090204-XS MILITARY ROAD.DWG
LAYOUT NAME - 090219-xs

PLOT DATE : 10/27/2021 9:17 AM PLOT BY : BRAD LEE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

STA 29+14, LT
CONC CE
DRIVEWAY TYPE Z

STA 29+14, RT
CONC PE
DRIVEWAY TYPE Y

29+14

CONC CE, LT
DRIVEWAY TYPE Z

29+25

CONC CE, LT
DRIVEWAY TYPE Z

29+50

BLDG

29+70

10 FT

10 FT

9

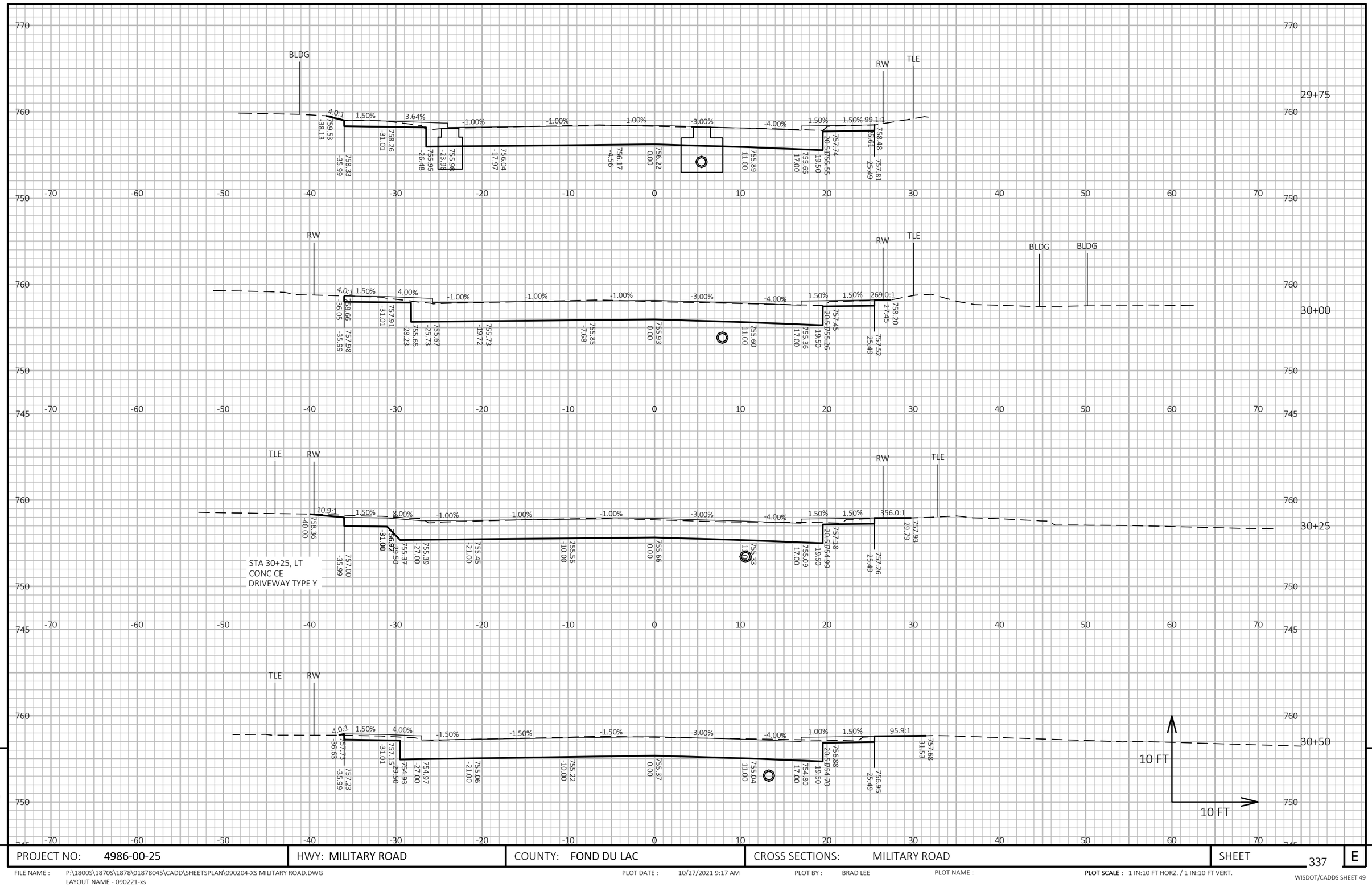
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PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: MILITARY ROAD	SHEET 336	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090204-XS MILITARY ROAD.DWG
LAYOUT NAME - 090220-xs

PLOT DATE : 10/27/2021 9:17 AM PLOT BY : BRAD LEE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

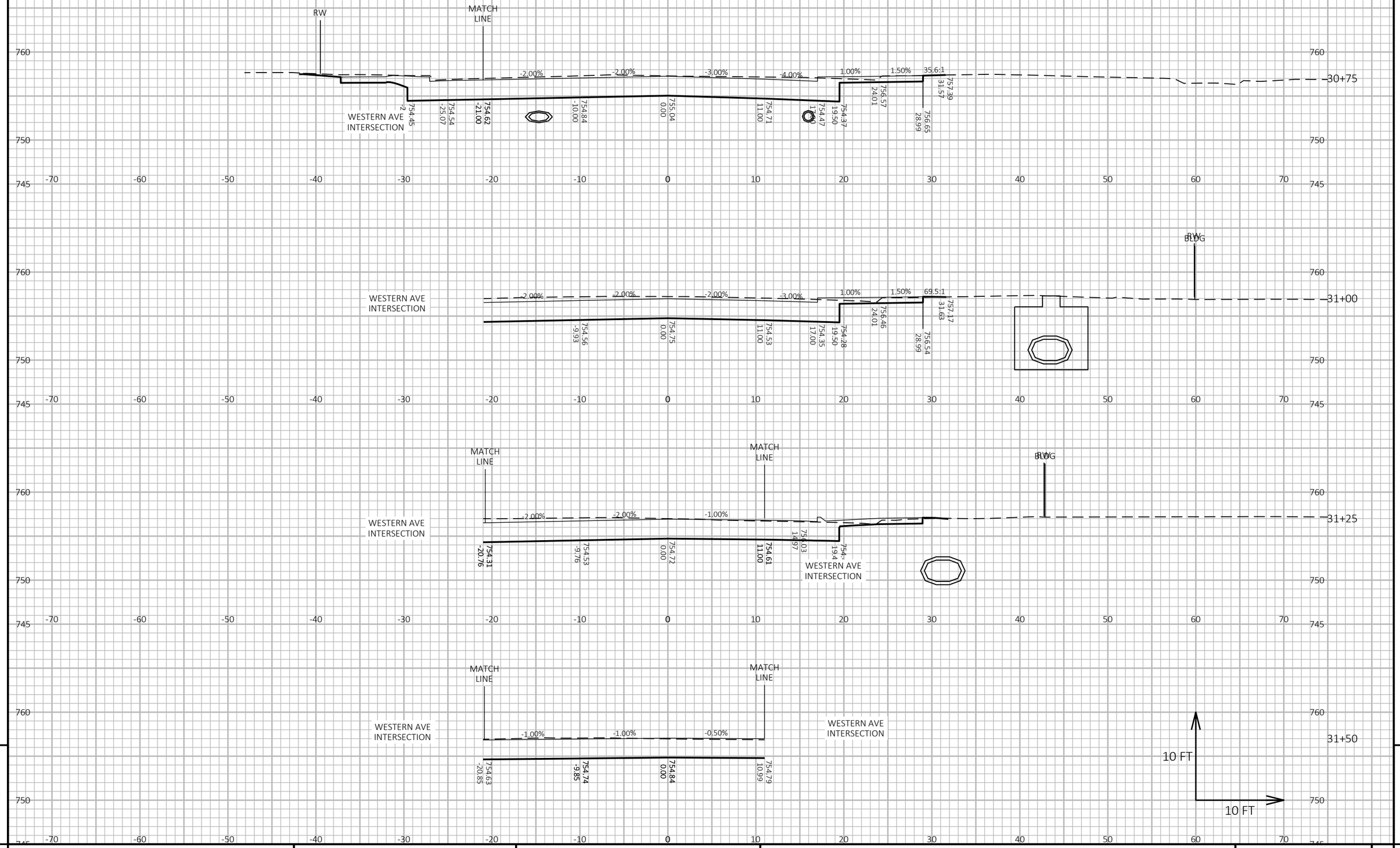


PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: MILITARY ROAD	SHEET 337	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090204-XS MILITARY ROAD.DWG
LAYOUT NAME - 090221-xs

PLOT DATE : 10/27/2021 9:17 AM PLOT BY : BRAD LEE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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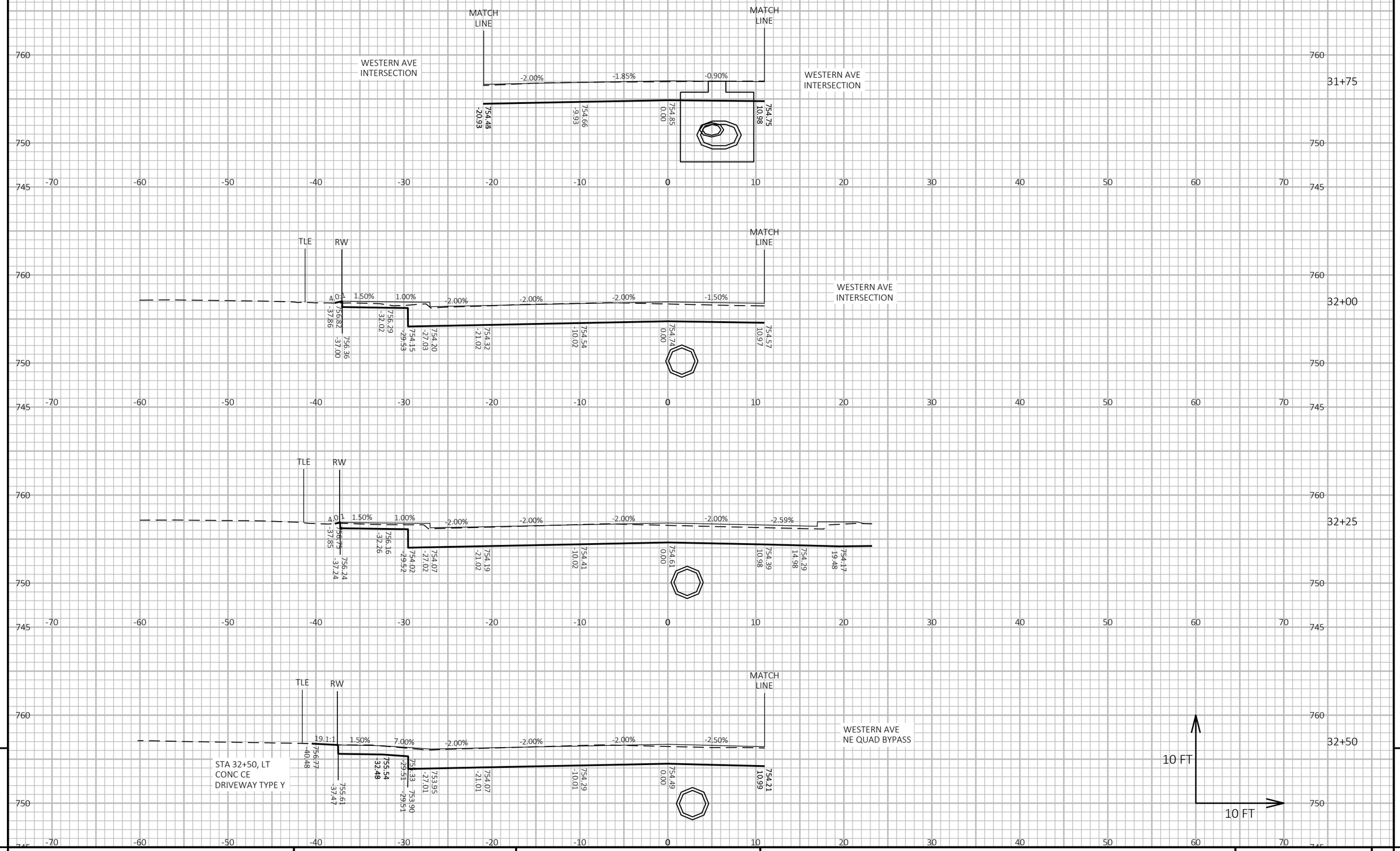
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PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: MILITARY ROAD	SHEET 338	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090204-XS MILITARY ROAD.DWG
LAYOUT NAME - 090222-xs

PLOT DATE : 10/27/2021 9:17 AM PLOT BY : BRAD LEE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



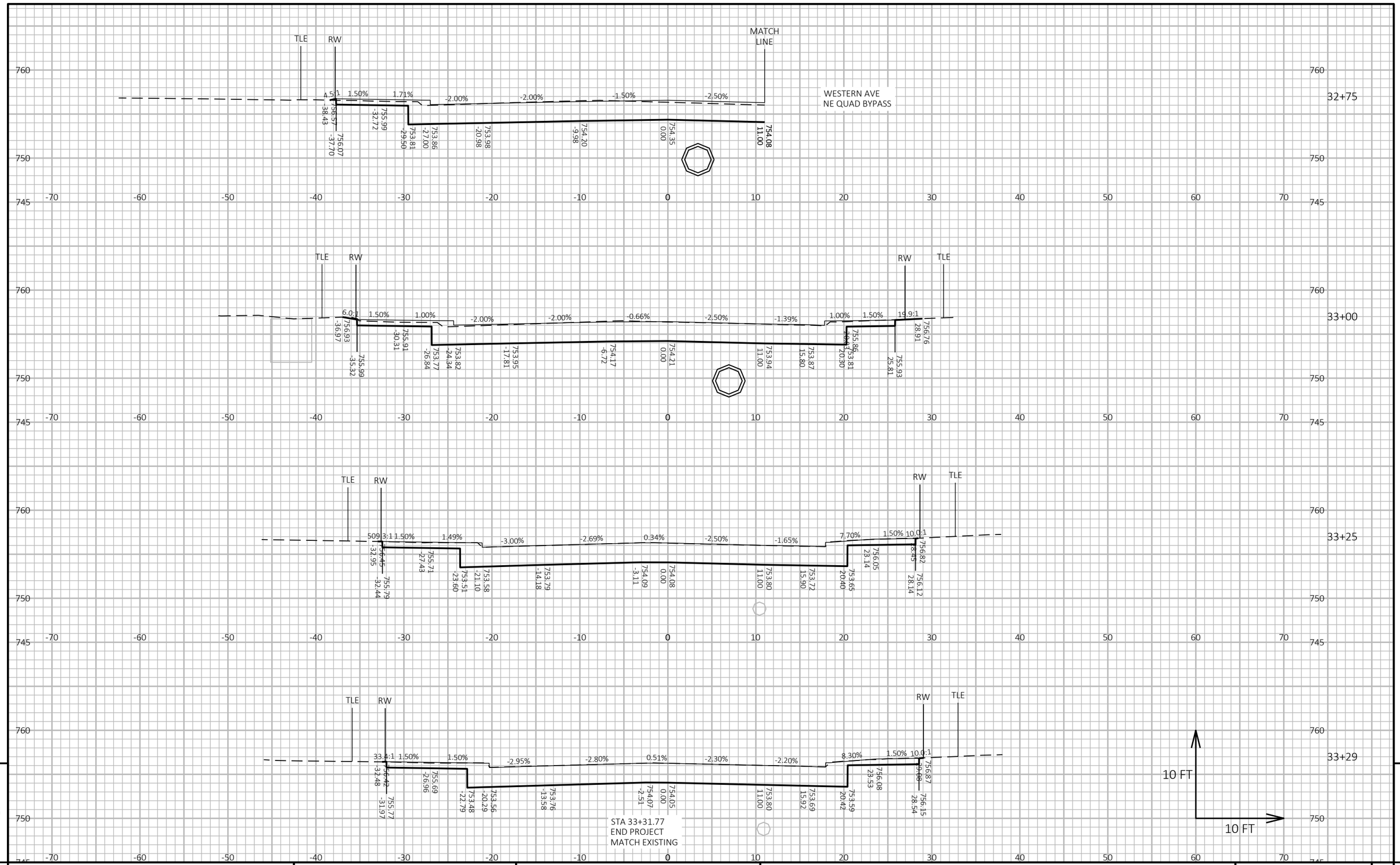
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PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: MILITARY ROAD	SHEET 339	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090204-XS MILITARY ROAD.DWG
LAYOUT NAME - 090223-xs

PLOT DATE : 10/27/2021 9:17 AM PLOT BY : BRAD LEE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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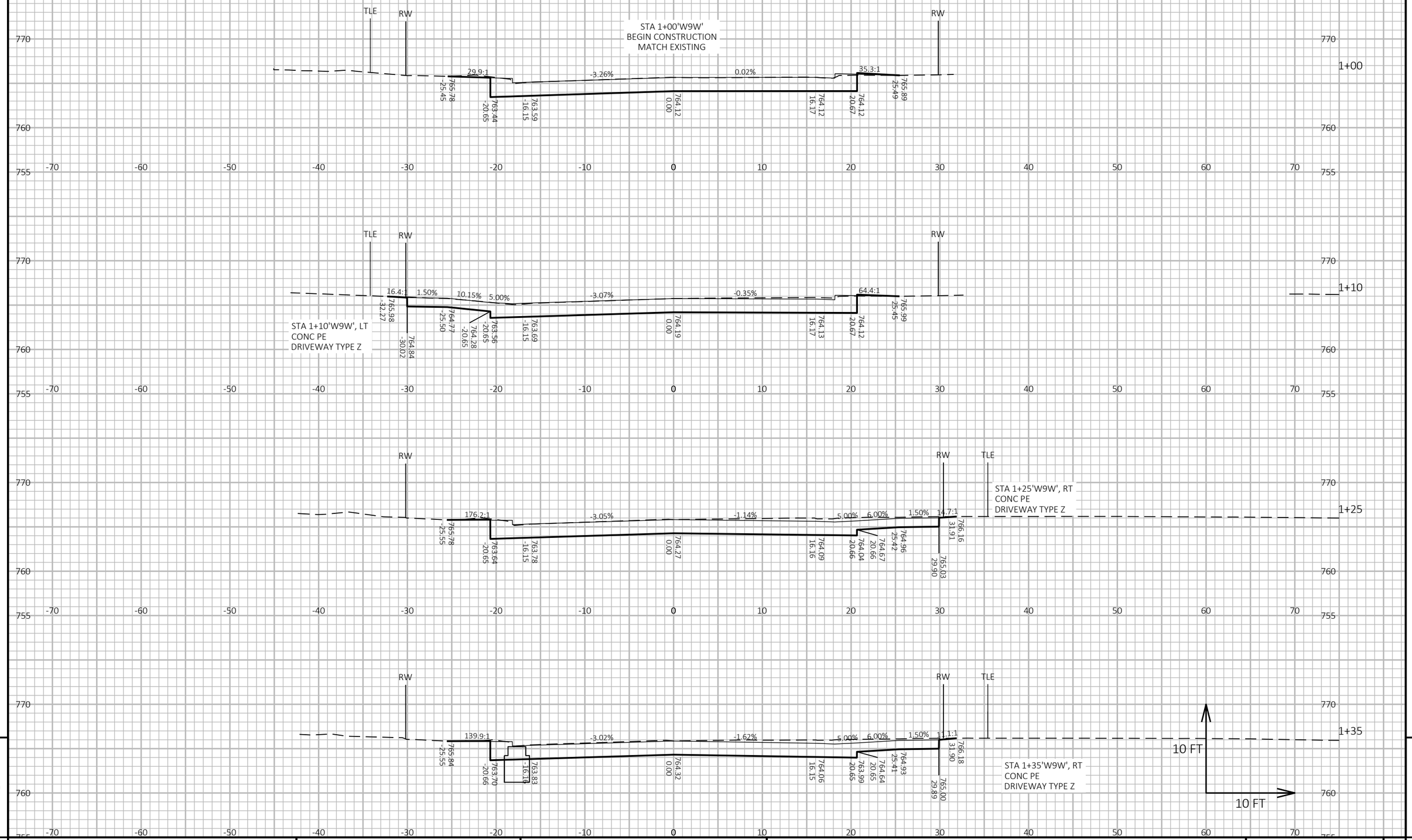
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PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: MILITARY ROAD	SHEET 340	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090204-XS MILITARY ROAD.DWG
LAYOUT NAME - 090224-xs

PLOT DATE : 10/27/2021 9:17 AM PLOT BY : BRAD LEE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



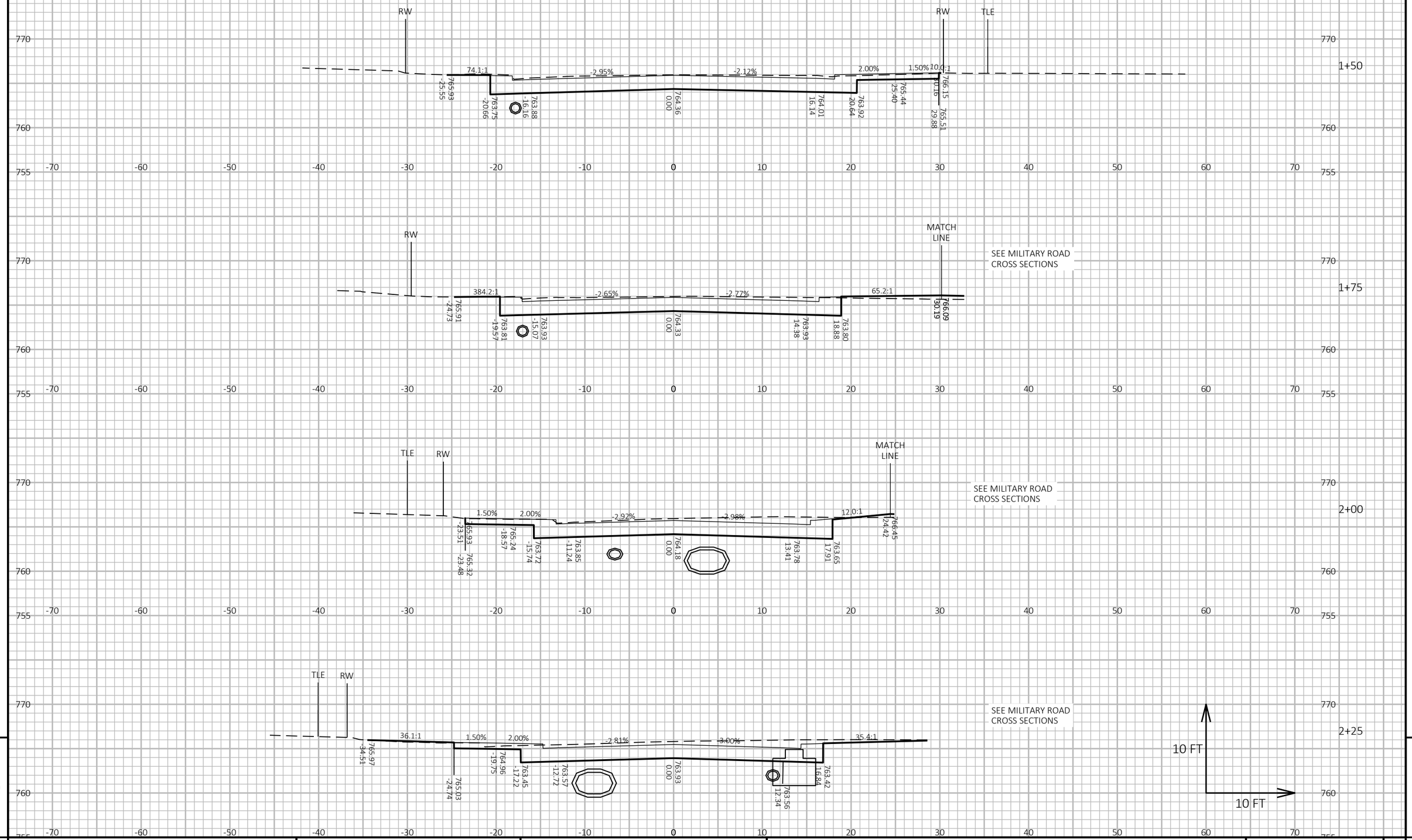
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PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: W. 9TH ST WEST 'W9'	SHEET 341	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090202-XS MILITARY ROAD.DWG
LAYOUT NAME - 090226-xs

PLOT DATE : 10/27/2021 9:18 AM PLOT BY : BRAD LEE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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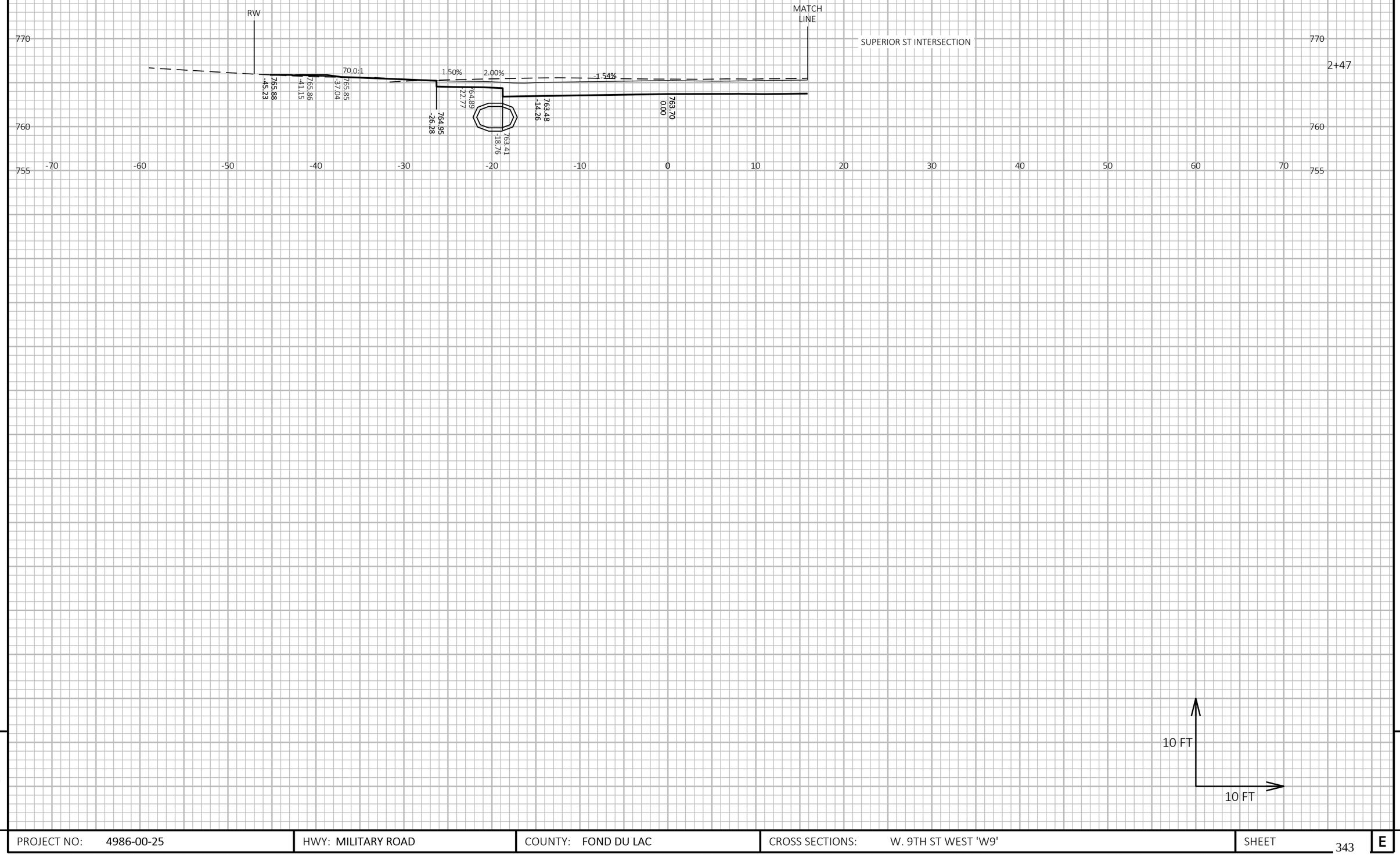
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PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: W. 9TH ST WEST 'W9'	SHEET 342	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090202-XS MILITARY ROAD.DWG
LAYOUT NAME - 090227-xs

PLOT DATE : 10/27/2021 9:18 AM PLOT BY : BRAD LEE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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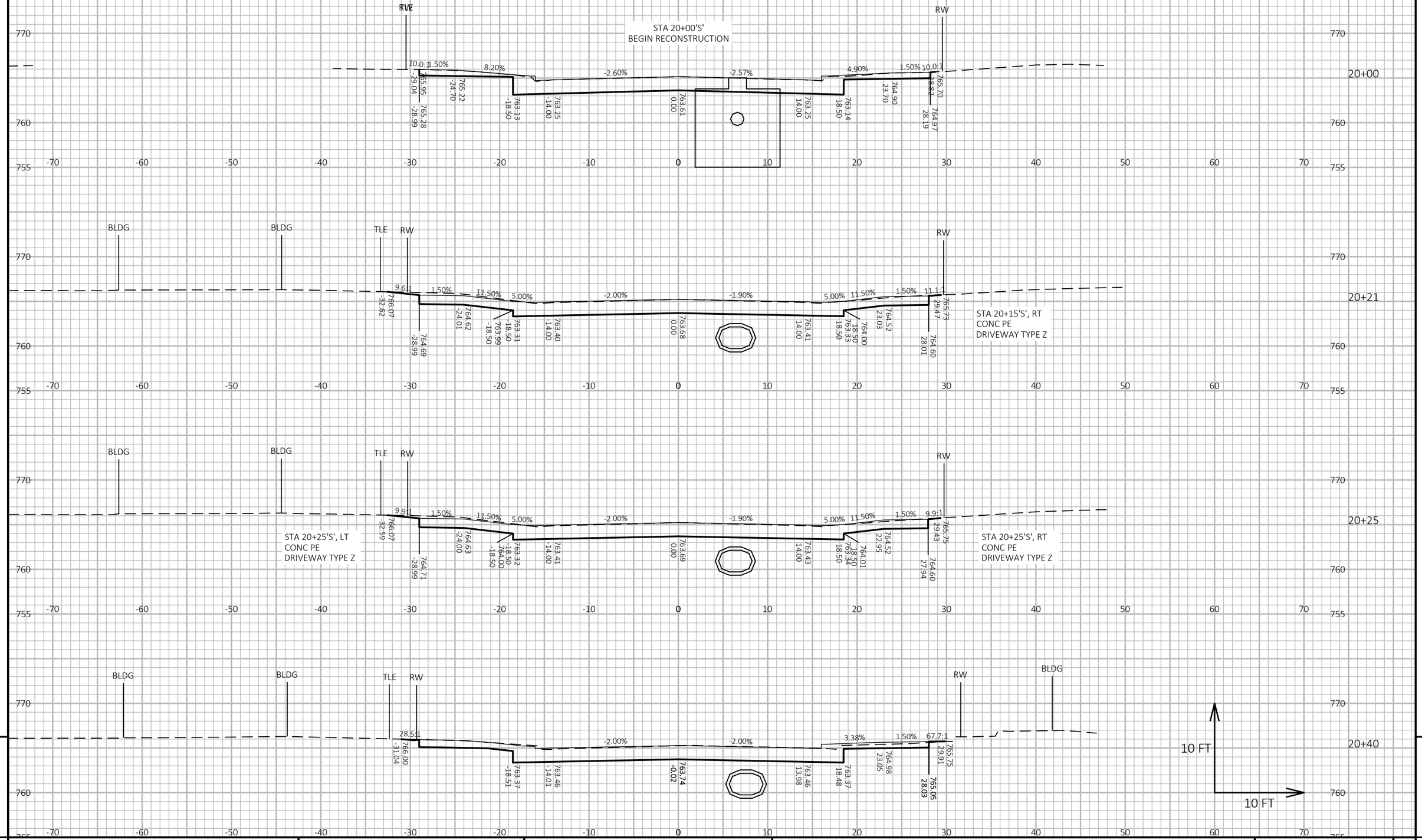
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PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: W. 9TH ST WEST 'W9'	SHEET 343	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090202-XS MILITARY ROAD.DWG
LAYOUT NAME - 090228-xs

PLOT DATE : 10/27/2021 9:18 AM PLOT BY : BRAD LEE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

9

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: SUPERIOR ST. 'S'	SHEET 344	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090202-XS MILITARY ROAD.DWG
LAYOUT NAME - 090229-xs

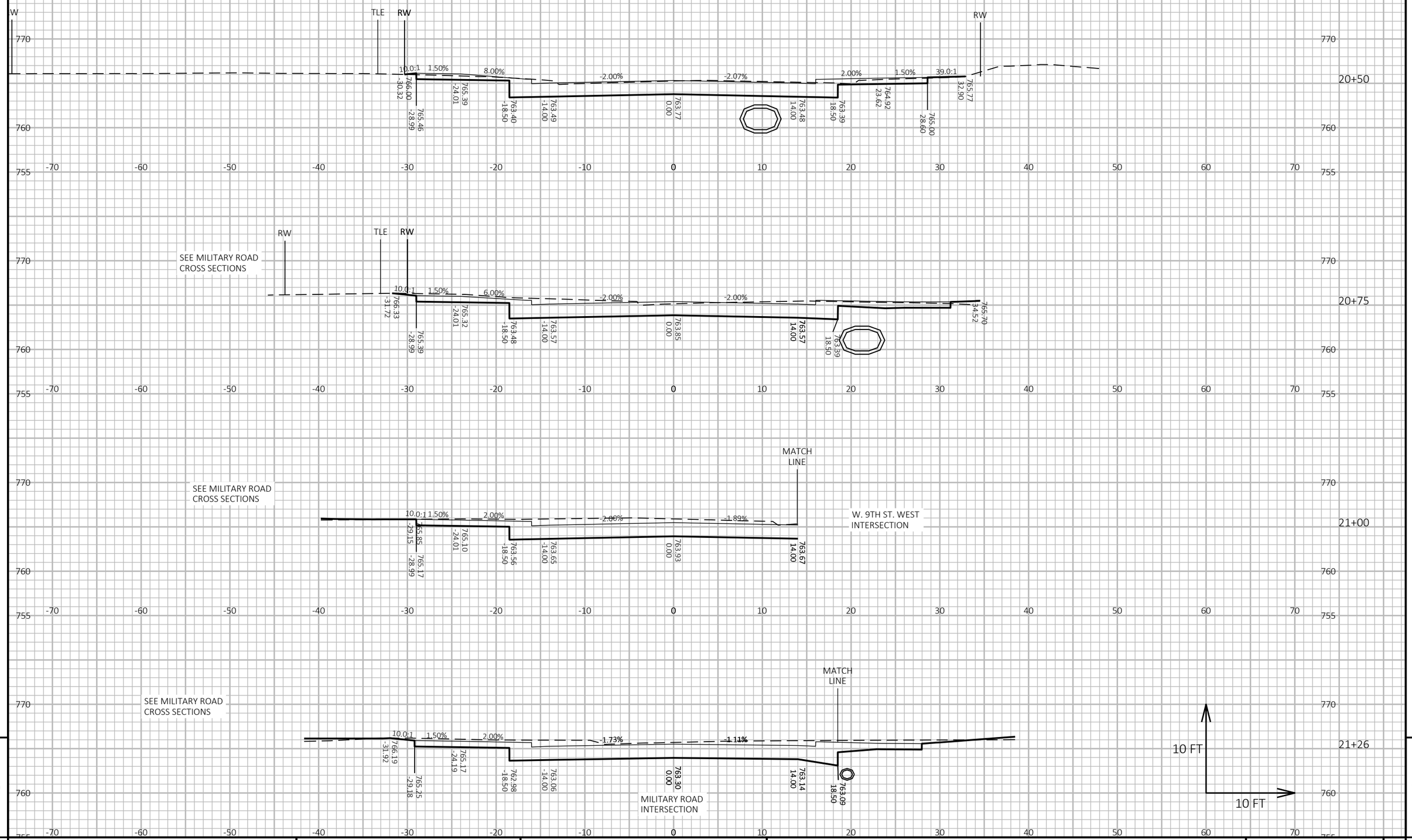
PLOT DATE : 10/27/2021 9:19 AM

PLOT BY : BRAD LEE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



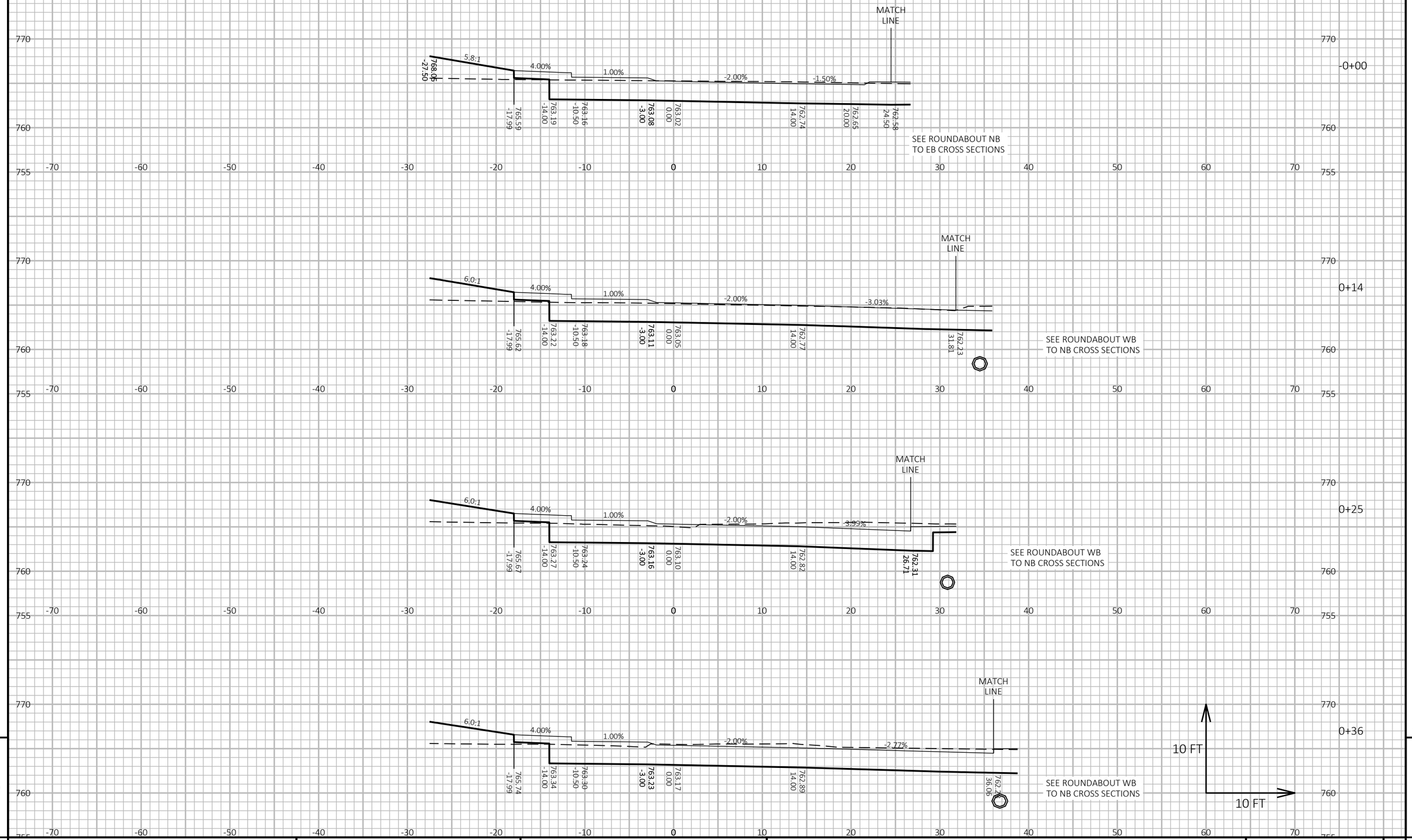
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PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: SUPERIOR ST. 'S'	SHEET 345	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090202-XS MILITARY ROAD.DWG
LAYOUT NAME - 090230-xs

PLOT DATE : 10/27/2021 9:19 AM PLOT BY : BRAD LEE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



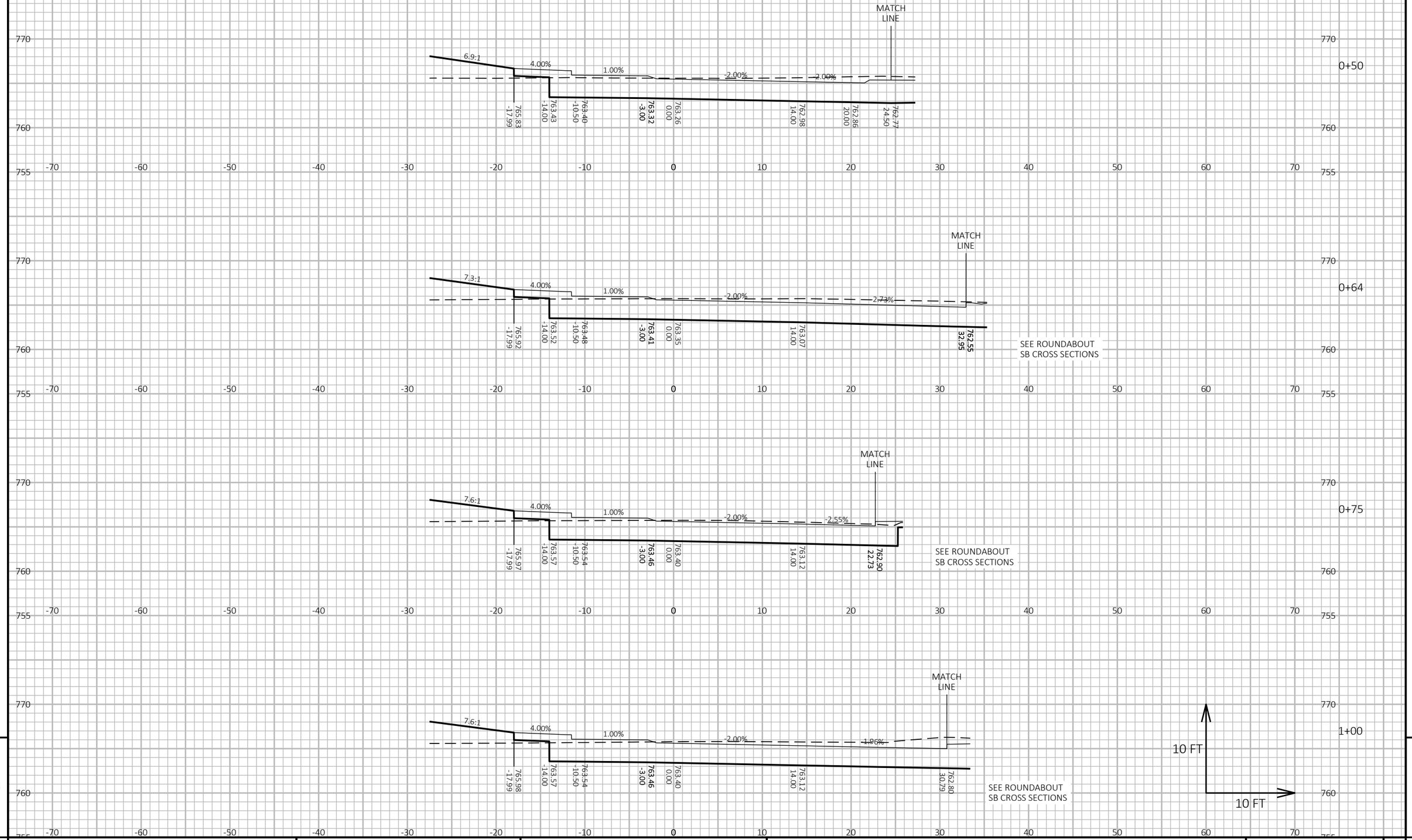
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PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: CENTER CIRCLE 'CC'	SHEET 346	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090202-XS MILITARY ROAD.DWG
LAYOUT NAME - 090232-xs

PLOT DATE : 10/27/2021 9:22 AM PLOT BY : BRAD LEE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



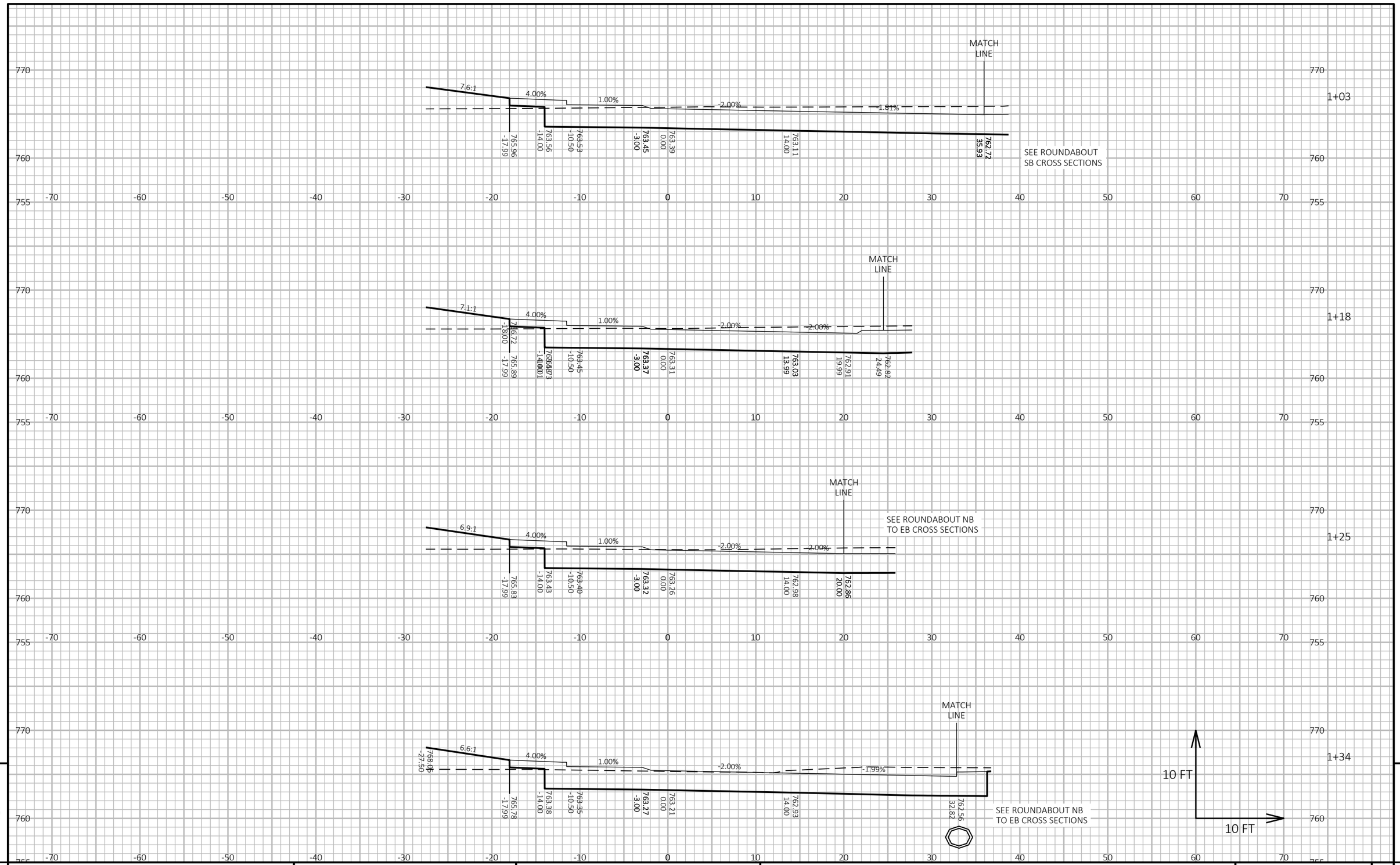
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PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: CENTER CIRCLE 'CC'	SHEET 347	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090202-XS MILITARY ROAD.DWG
LAYOUT NAME - 090233-xs

PLOT DATE : 10/27/2021 9:22 AM PLOT BY : BRAD LEE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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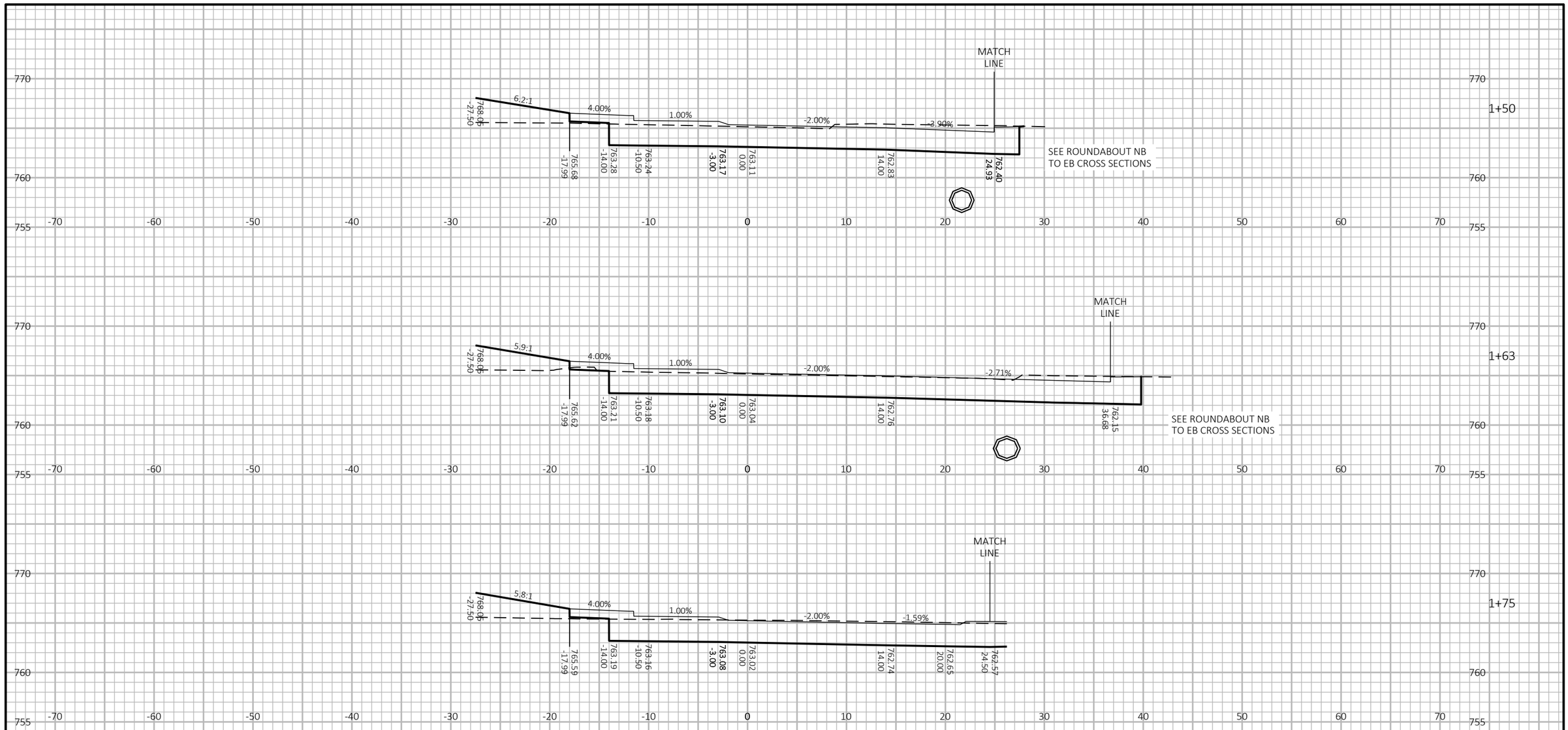
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PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: CENTER CIRCLE 'CC'	SHEET 348	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090202-XS MILITARY ROAD.DWG
LAYOUT NAME - 090234-xs

PLOT DATE : 10/27/2021 9:22 AM PLOT BY : BRAD LEE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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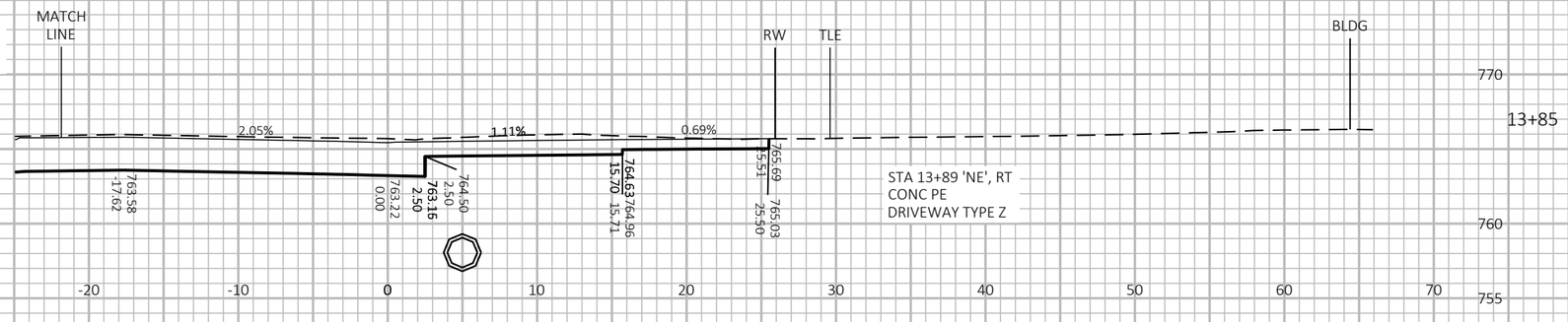
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PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: CENTER CIRCLE 'CC'	SHEET 349	E

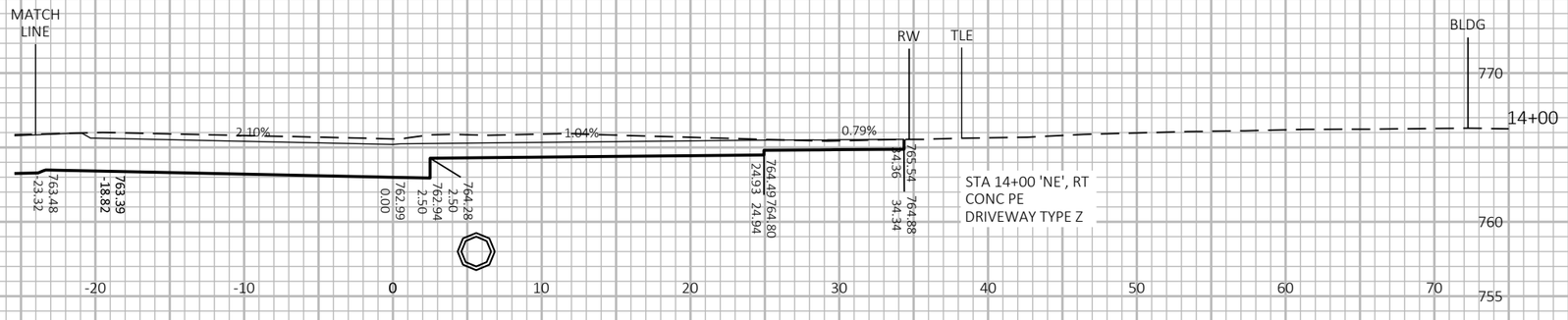
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LAYOUT NAME - 090235-xs

PLOT DATE : 10/27/2021 9:22 AM PLOT BY : BRAD LEE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

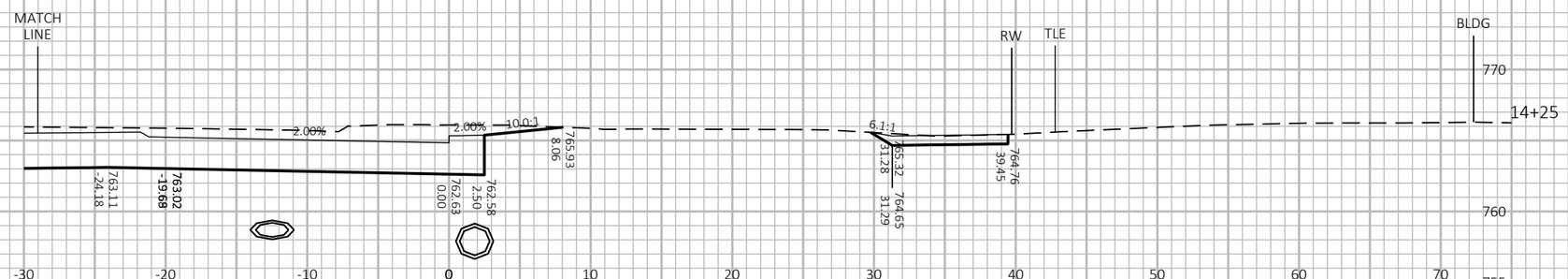
STA. 13+84.91'NE'
MATCH MILITARY ROAD
CROSS SECTIONS



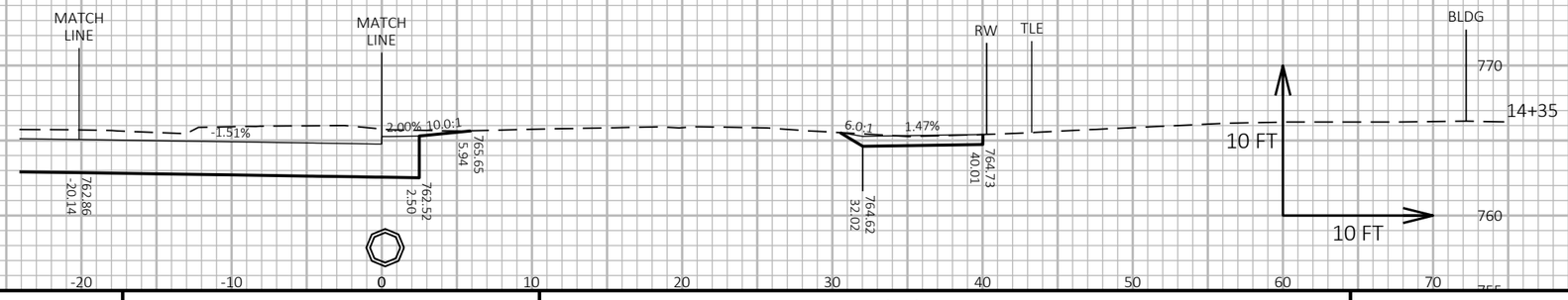
SEE ROUNDABOUT
SB CROSS SECTIONS



SEE ROUNDABOUT
SB CROSS SECTIONS



SEE ROUNDABOUT CENTER
CIRCLE CROSS SECTIONS



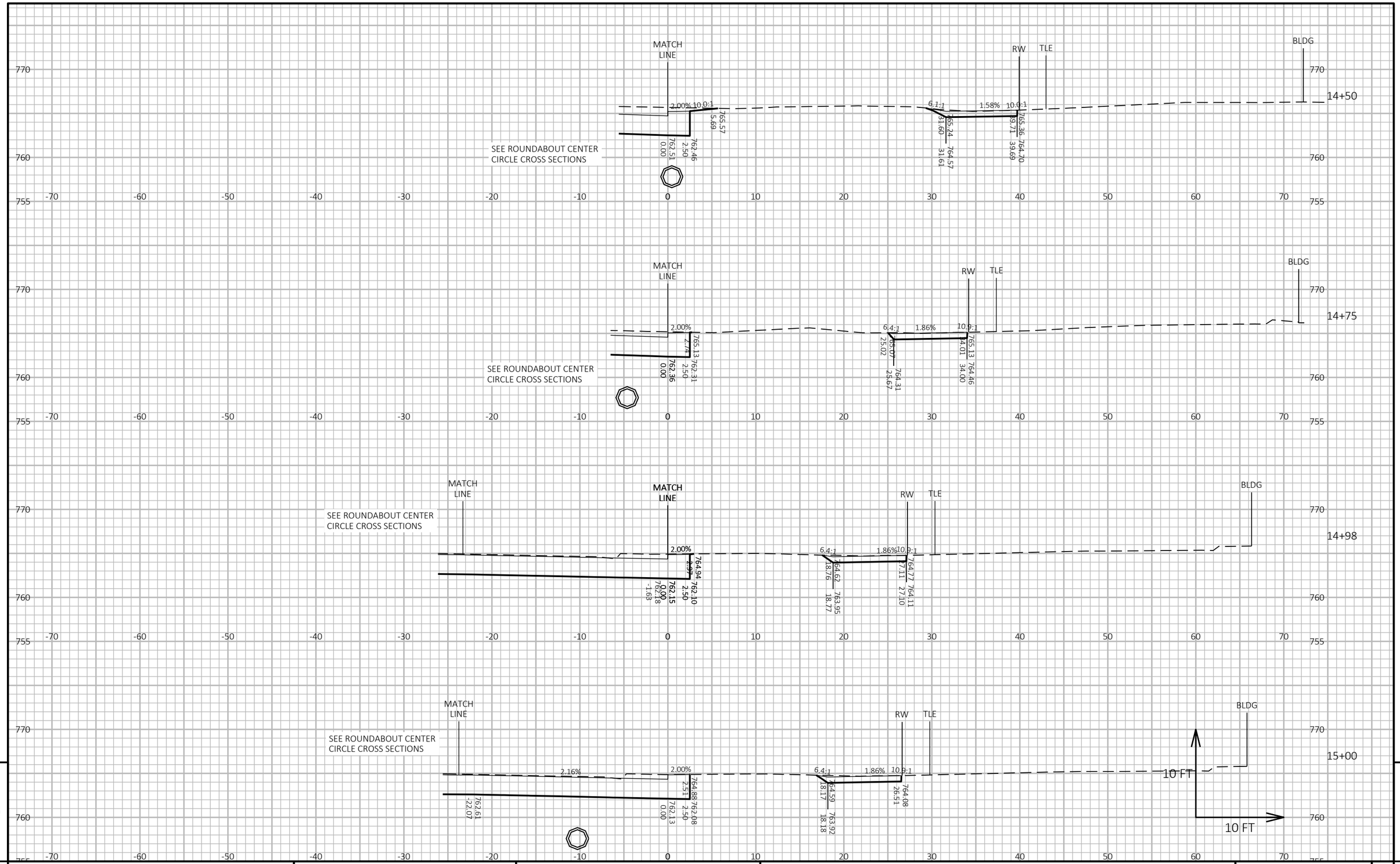
9

9

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: RAB NB TO EB 'NE'	SHEET 350	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090202-XS MILITARY ROAD.DWG
LAYOUT NAME - 090236-xs

PLOT DATE : 10/27/2021 9:23 AM PLOT BY : BRAD LEE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

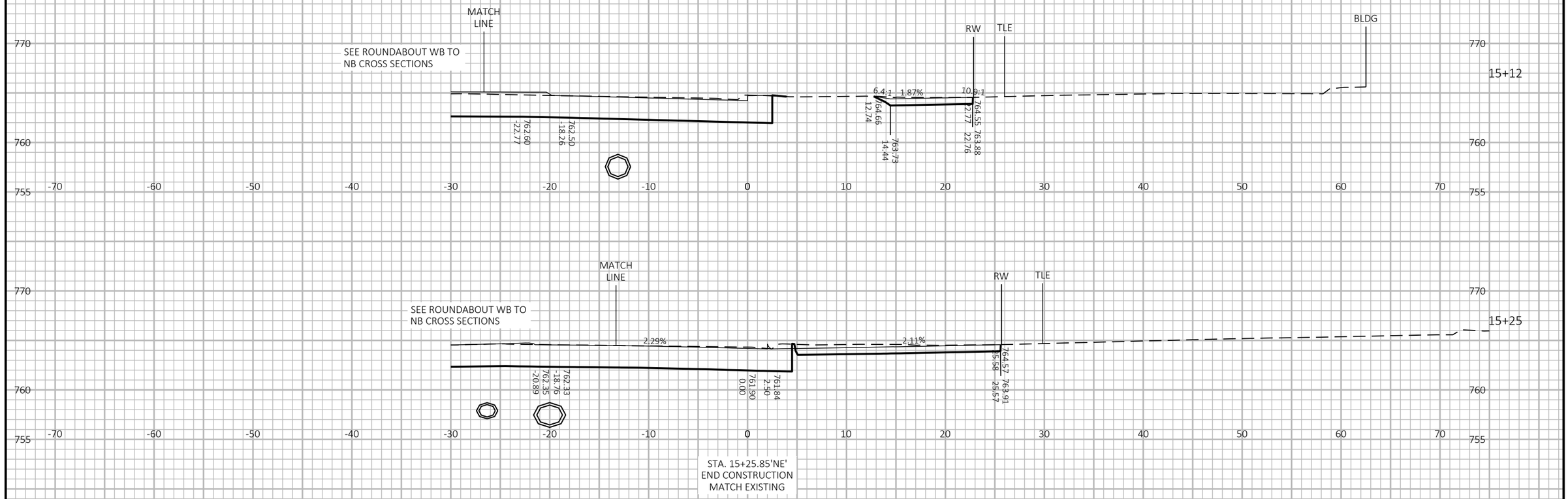


PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: RAB NB TO EB 'NE'	SHEET 351	E

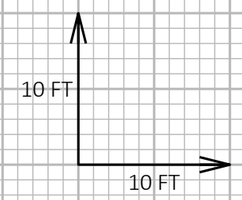
FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090202-XS MILITARY ROAD.DWG
LAYOUT NAME - 090237-xs

PLOT DATE : 10/27/2021 9:23 AM PLOT BY : BRAD LEE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



STA. 15+25.85'NE'
END CONSTRUCTION
MATCH EXISTING



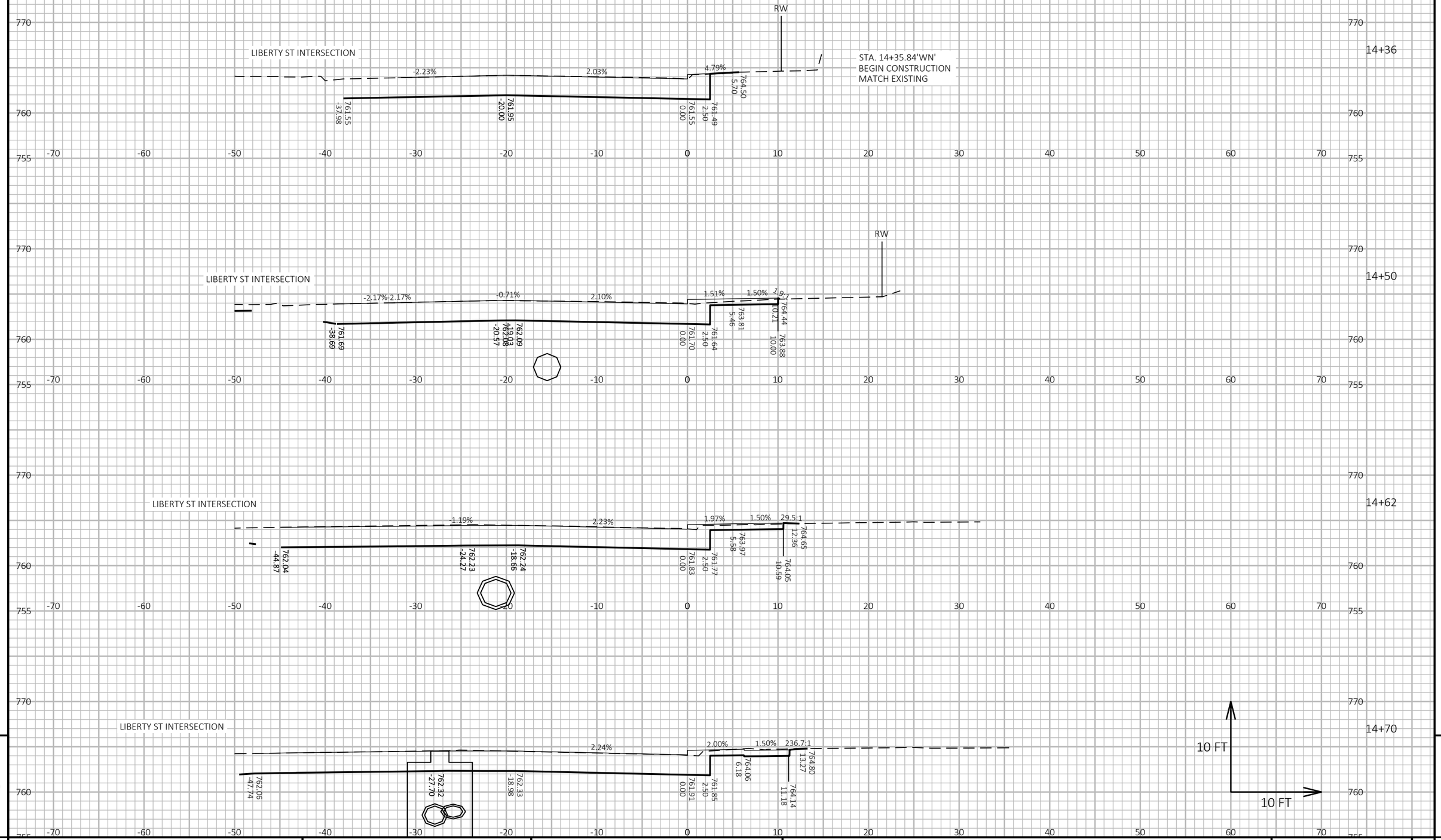
9

9

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: RAB NB TO EB 'NE'	SHEET 352	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090202-XS MILITARY ROAD.DWG
LAYOUT NAME - 090238-xs

PLOT DATE : 10/27/2021 9:23 AM PLOT BY : BRAD LEE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



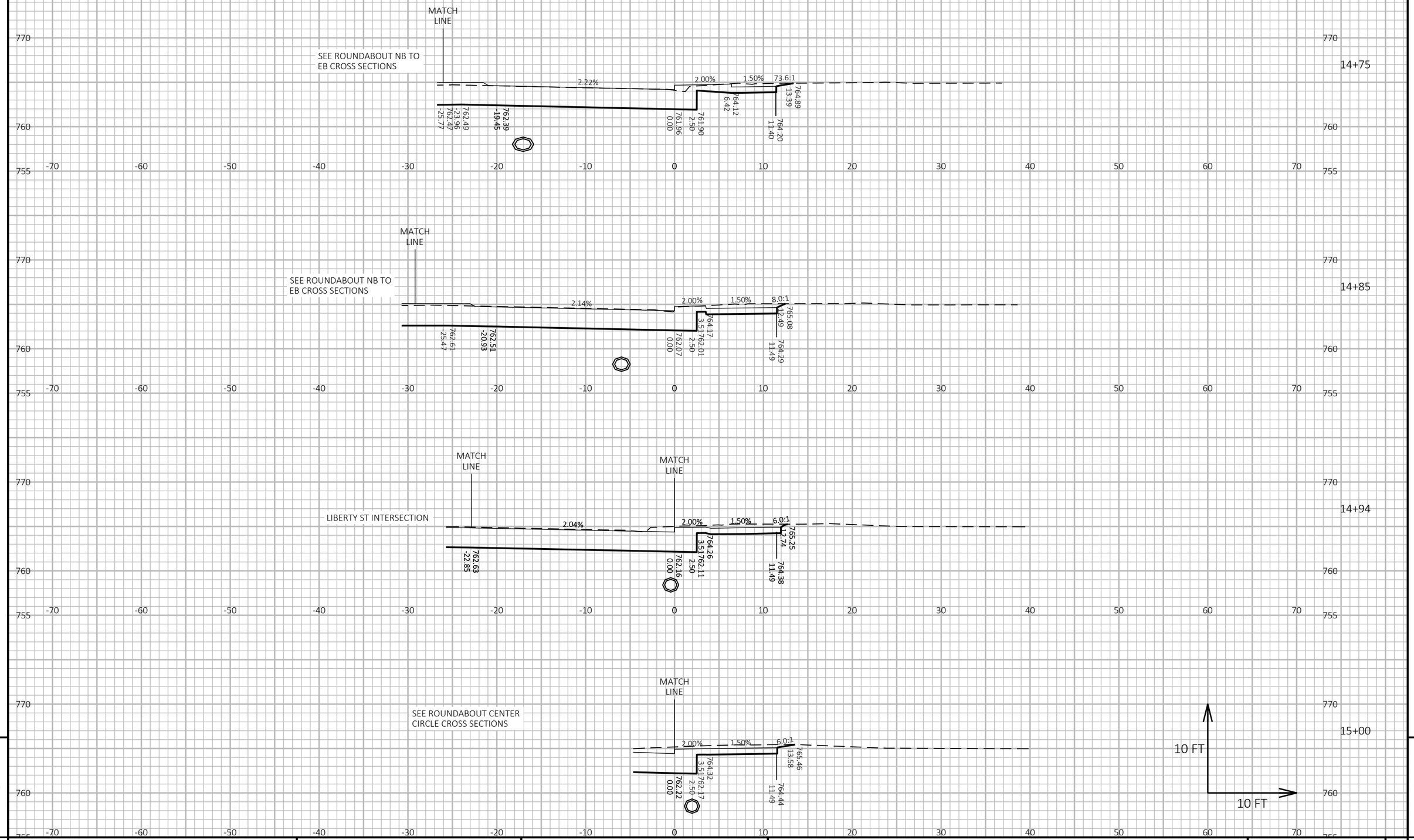
9

9

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: RAB WB TO NB 'WN'	SHEET 353	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090202-XS MILITARY ROAD.DWG
LAYOUT NAME - 090239-xs

PLOT DATE : 10/27/2021 9:23 AM PLOT BY : BRAD LEE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



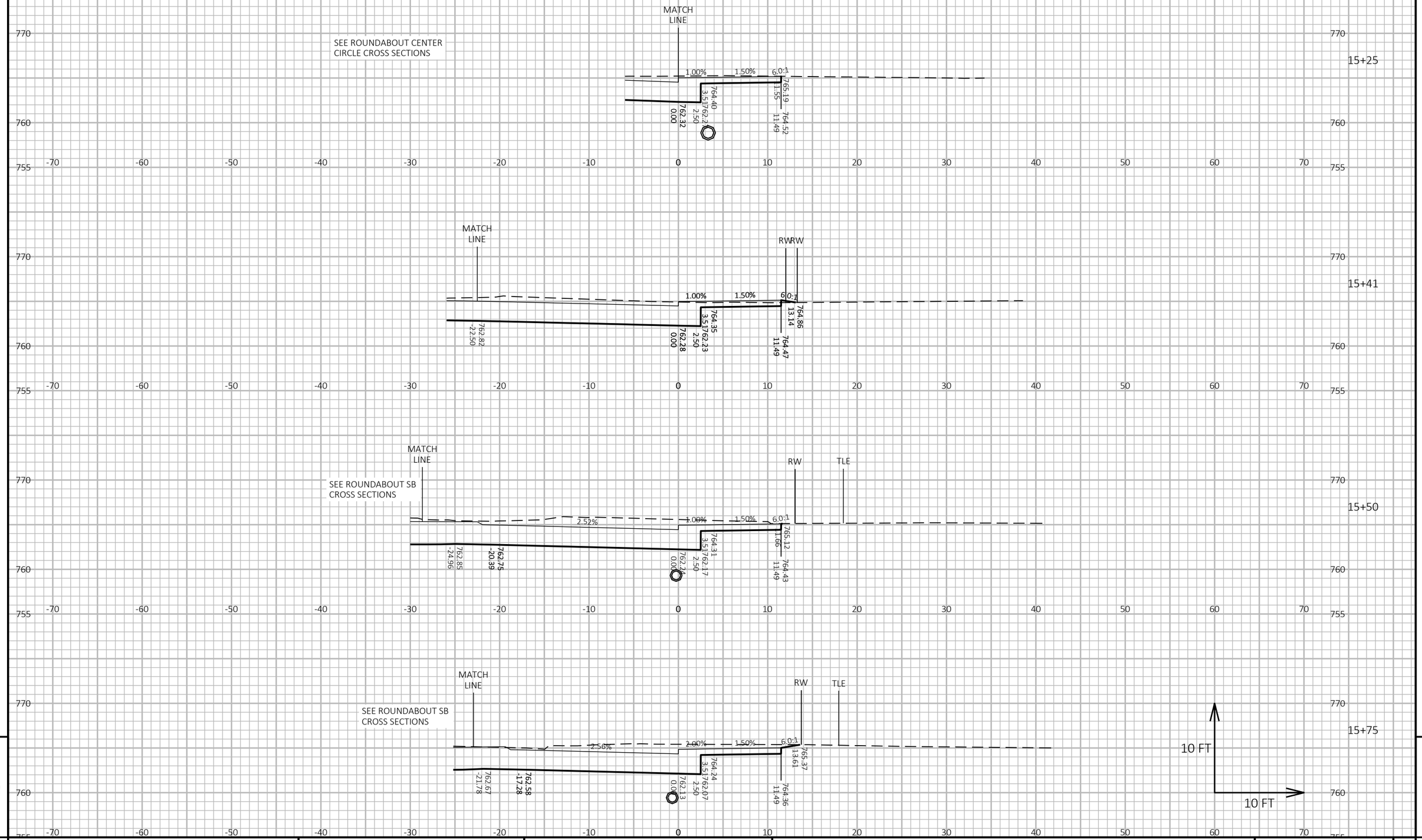
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9

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: RAB WB TO NB 'WN'	SHEET 354	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090202-XS MILITARY ROAD.DWG
LAYOUT NAME - 090240-xs

PLOT DATE : 10/27/2021 9:23 AM PLOT BY : BRAD LEE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

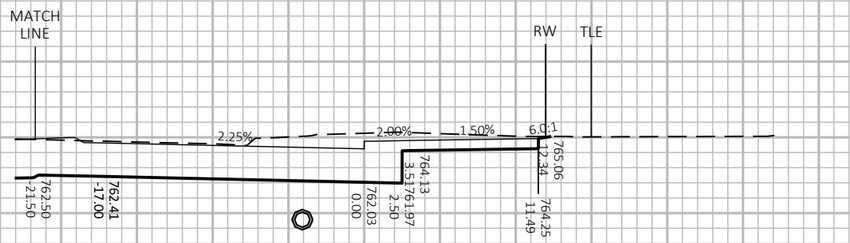
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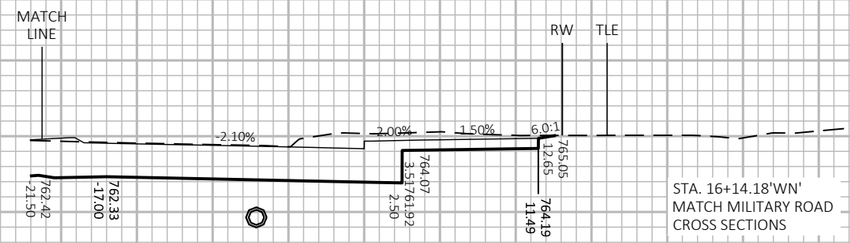
PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: RAB WB TO NB 'WN'	SHEET 355	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090202-XS MILITARY ROAD.DWG
LAYOUT NAME - 090241-xs

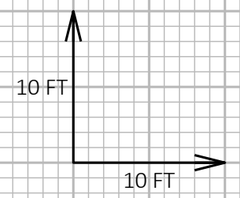
PLOT DATE : 10/27/2021 9:23 AM PLOT BY : BRAD LEE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

SEE ROUNDABOUT SB
CROSS SECTIONS





STA. 16+14.18'WN'
MATCH MILITARY ROAD
CROSS SECTIONS



9

9

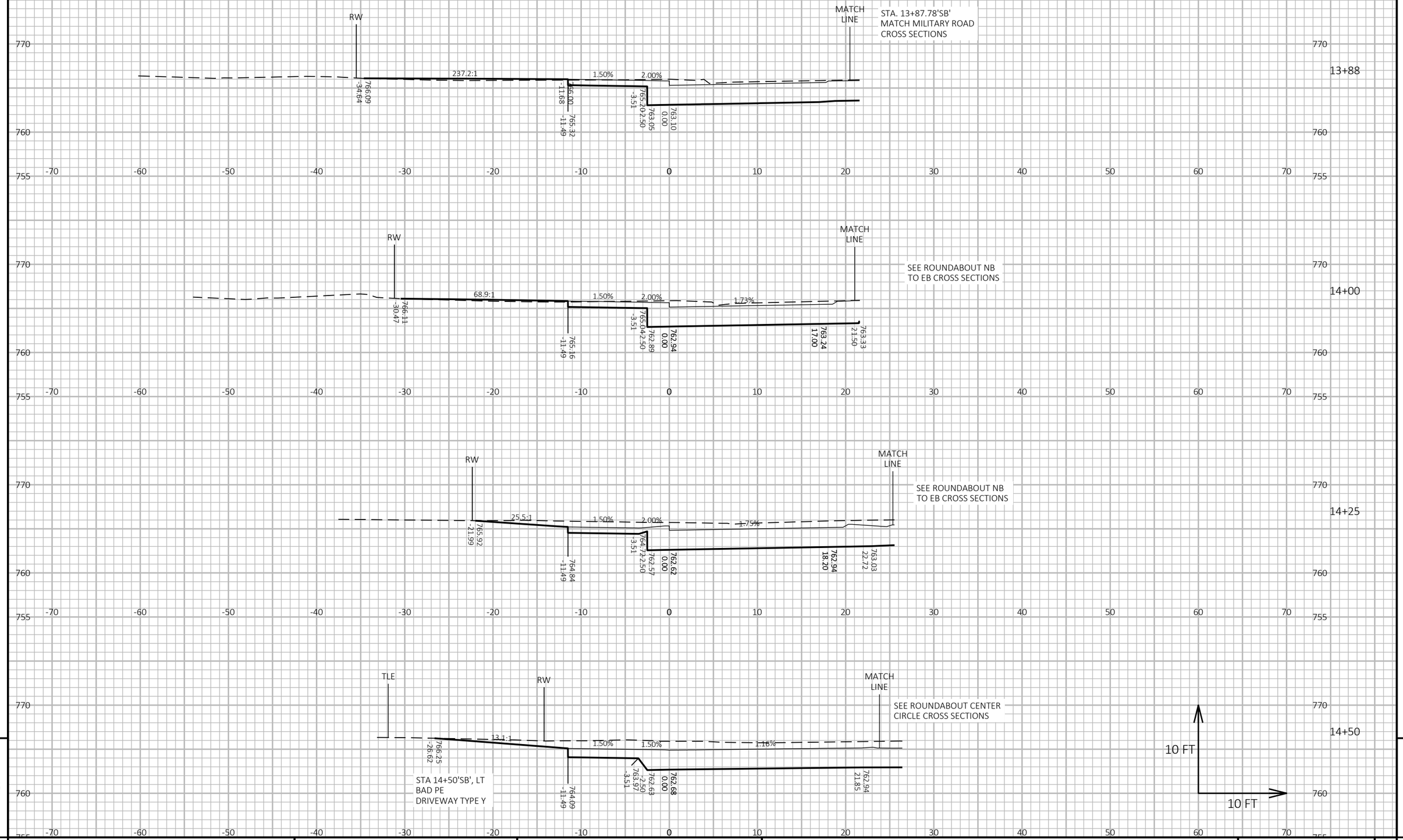
PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: RAB WB TO NB 'WN'	SHEET 356	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090202-XS MILITARY ROAD.DWG
LAYOUT NAME - 090242-xs

PLOT DATE : 10/27/2021 9:24 AM PLOT BY : BRAD LEE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

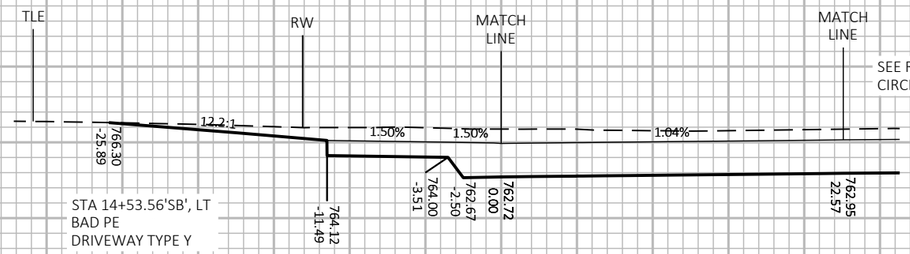
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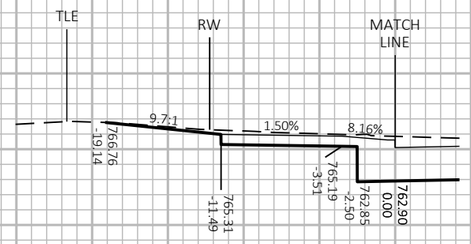
PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: RAB SB 'SB'	SHEET 357	E

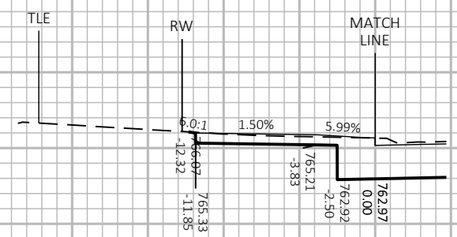
FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090202-XS MILITARY ROAD.DWG
LAYOUT NAME - 090243-xs

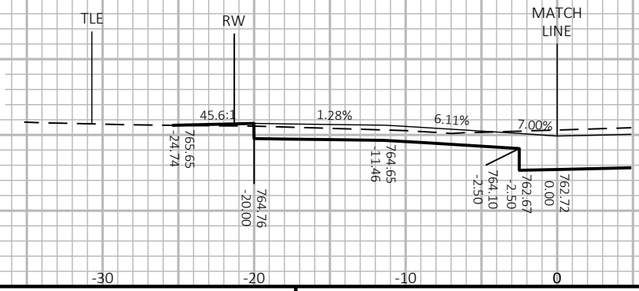
PLOT DATE : 10/27/2021 9:24 AM PLOT BY : BRAD LEE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

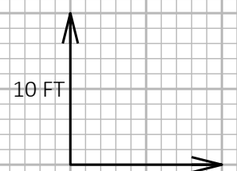
WISDOT/CADDS SHEET 49











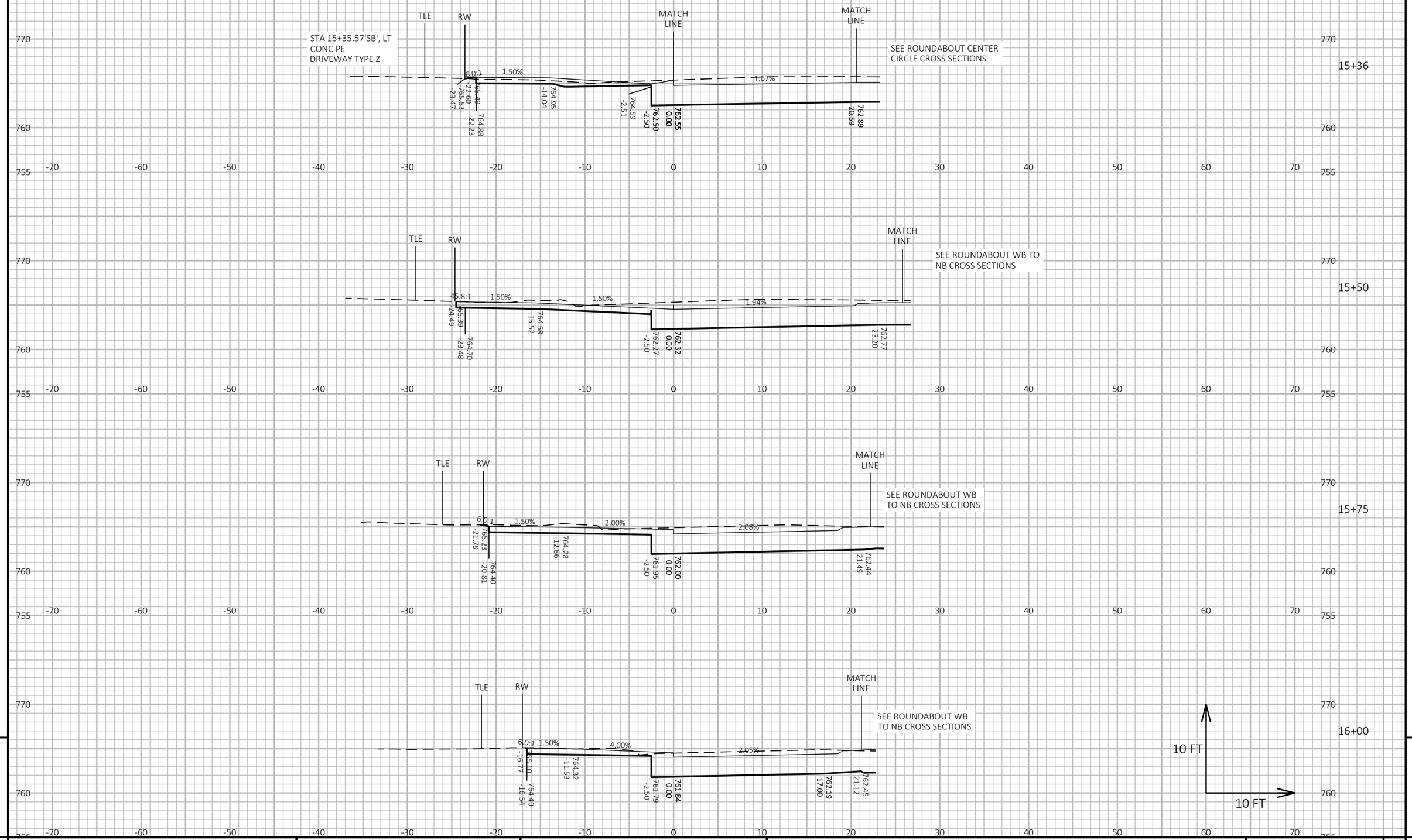
9

9

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: RAB SB 'SB'	SHEET 358	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090202-XS MILITARY ROAD.DWG
LAYOUT NAME - 090244-xs

PLOT DATE : 10/27/2021 9:24 AM PLOT BY : BRAD LEE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

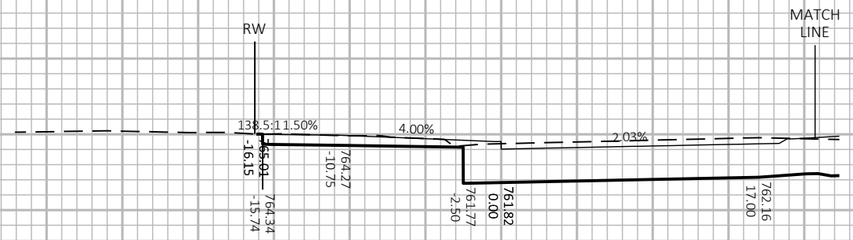


PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: RAB SB 'SB'	SHEET 359	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090202-XS MILITARY ROAD.DWG
LAYOUT NAME - 090245-xs

PLOT DATE : 10/27/2021 9:24 AM PLOT BY : BRAD LEE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



STA. 16+07.79'SB'
MATCH MILITARY ROAD
CROSS SECTIONS

16+08

770
760
755

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

10 FT
10 FT

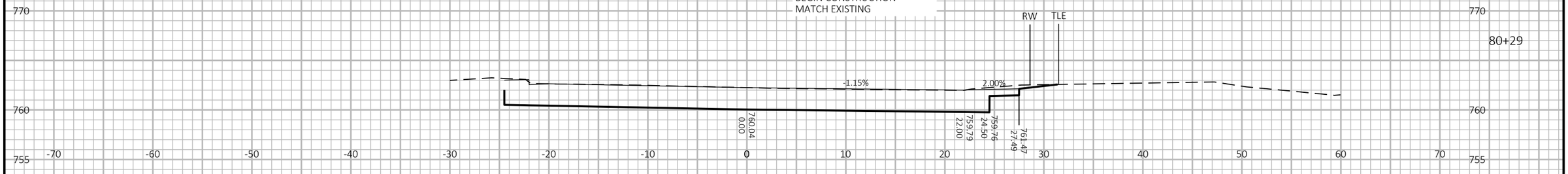
9 9

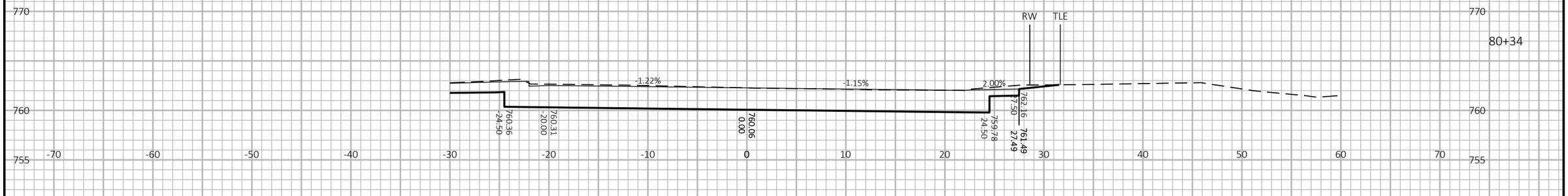
PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: RAB SB 'SB'	SHEET 360	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090202-XS MILITARY ROAD.DWG
LAYOUT NAME - 090246-xs

PLOT DATE : 10/27/2021 9:24 AM PLOT BY : BRAD LEE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

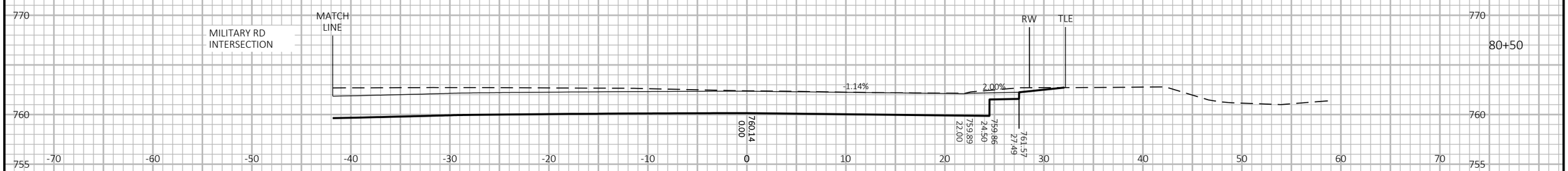
STA. 80+29.30'B'
BEGIN CONSTRUCTION
MATCH EXISTING





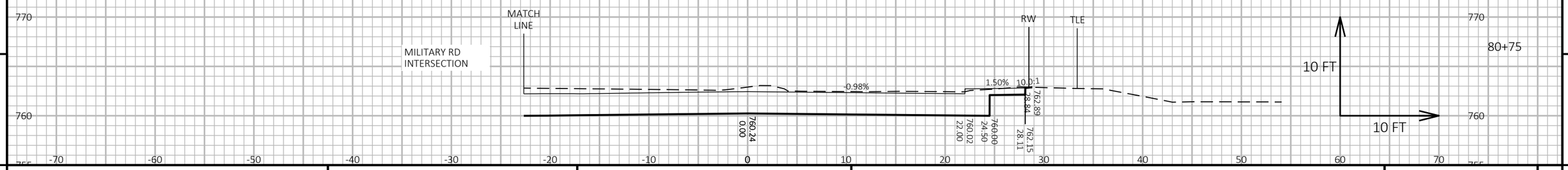
MILITARY RD
INTERSECTION

MATCH
LINE



MILITARY RD
INTERSECTION

MATCH
LINE



9

9

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: S. BROOKE ST. 'B'	SHEET 361	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090204-XS MILITARY ROAD.DWG
LAYOUT NAME - 090249-xs

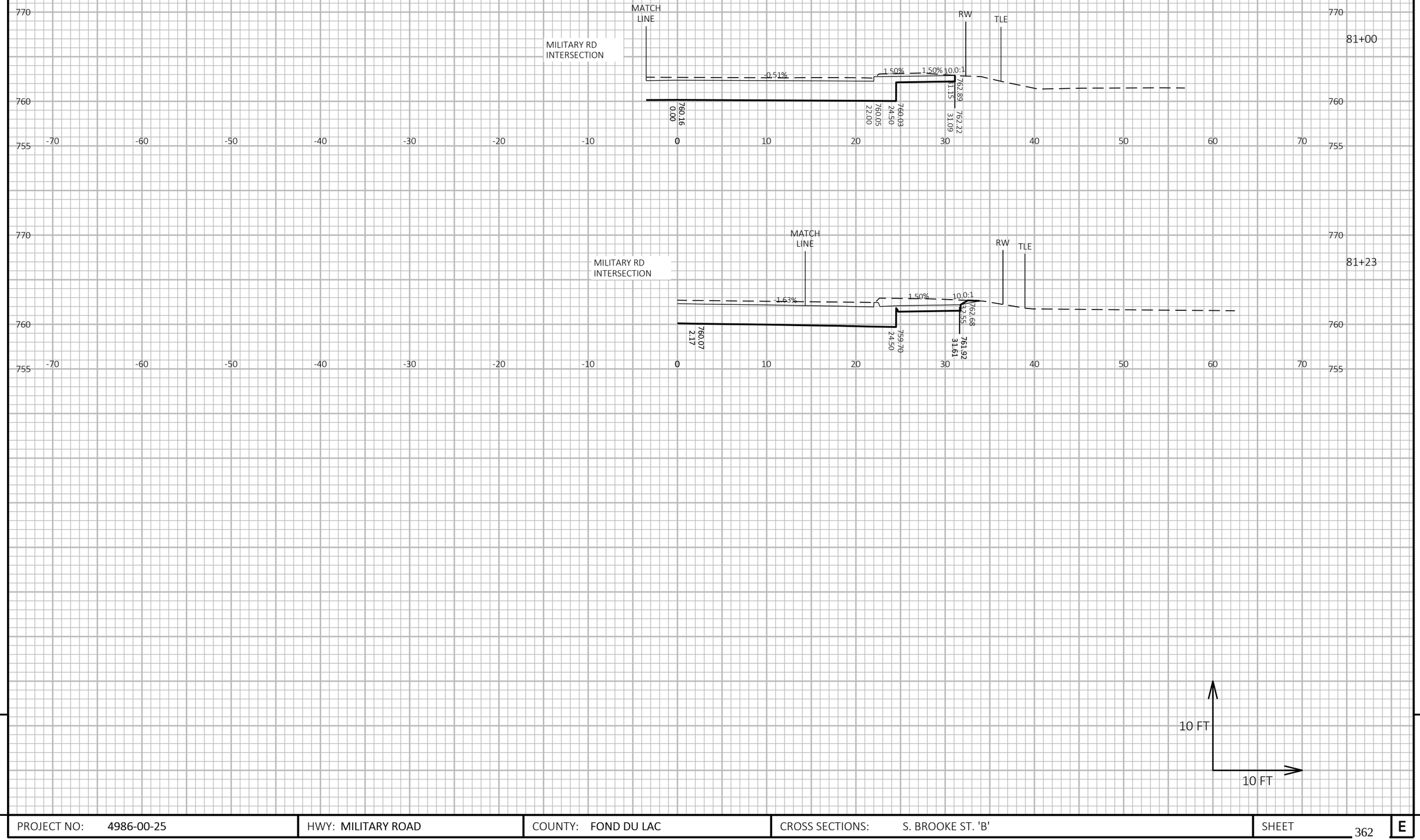
PLOT DATE : 10/27/2021 9:25 AM

PLOT BY : BRAD LEE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

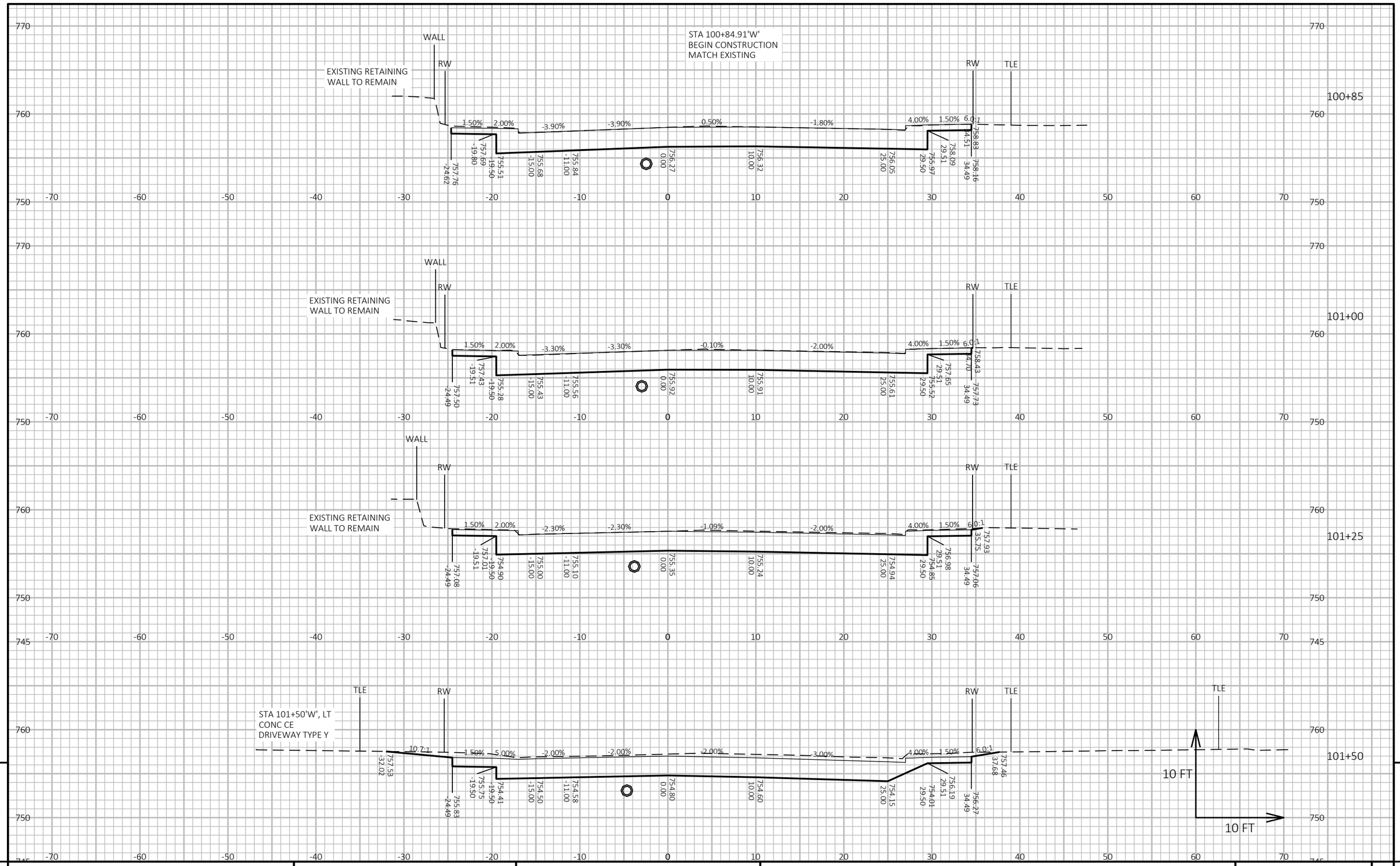
PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: S. BROOKE ST. 'B'	SHEET 362	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090204-XS MILITARY ROAD.DWG
LAYOUT NAME - 090250-xs

PLOT DATE : 10/27/2021 9:25 AM PLOT BY : BRAD LEE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

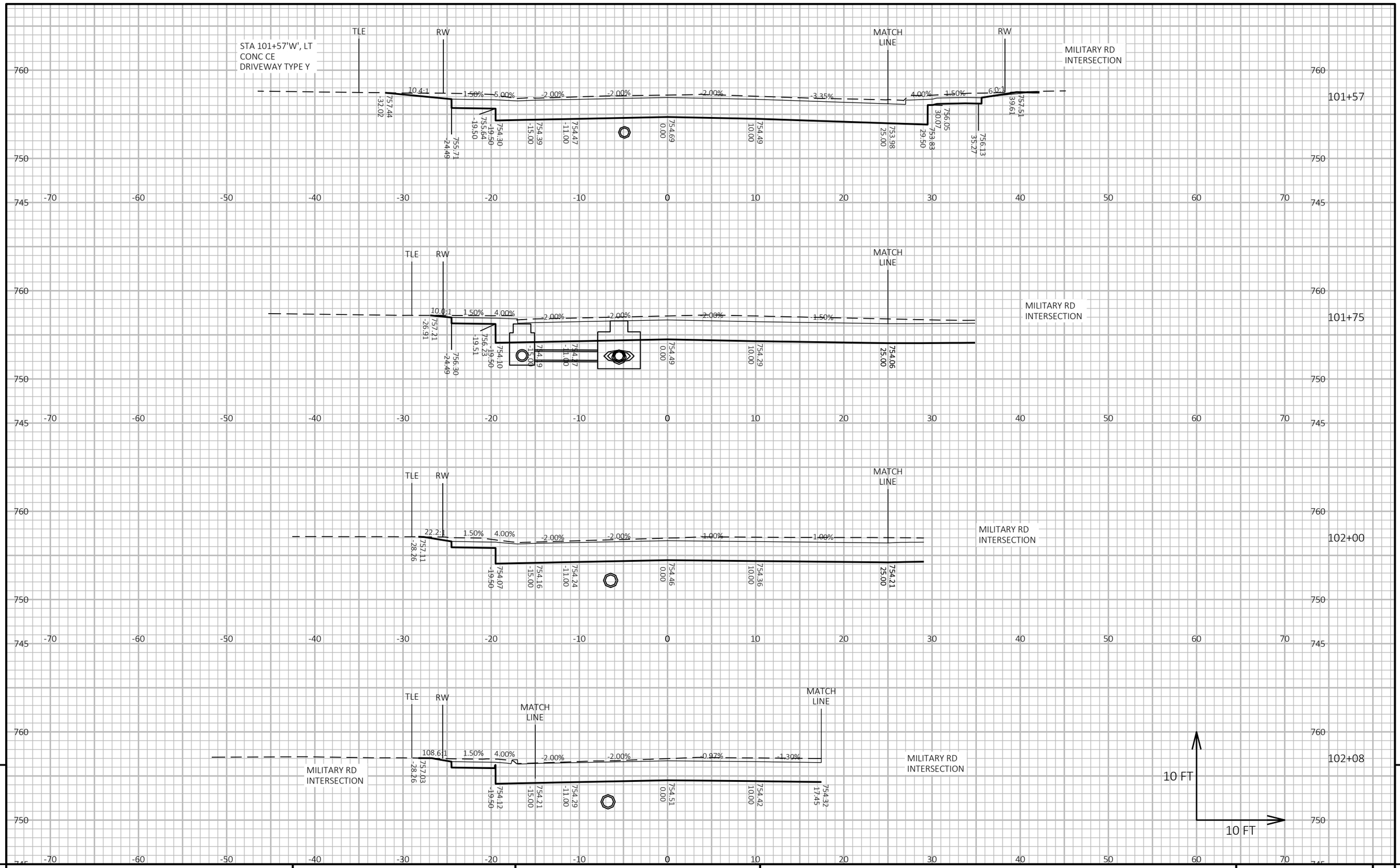
9

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: WESTERN AVE. 'W'	SHEET 363	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090204-XS MILITARY ROAD.DWG
LAYOUT NAME - 090251-xs

PLOT DATE : 10/27/2021 9:26 AM PLOT BY : BRAD LEE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: WESTERN AVE. 'W'	SHEET 364	E

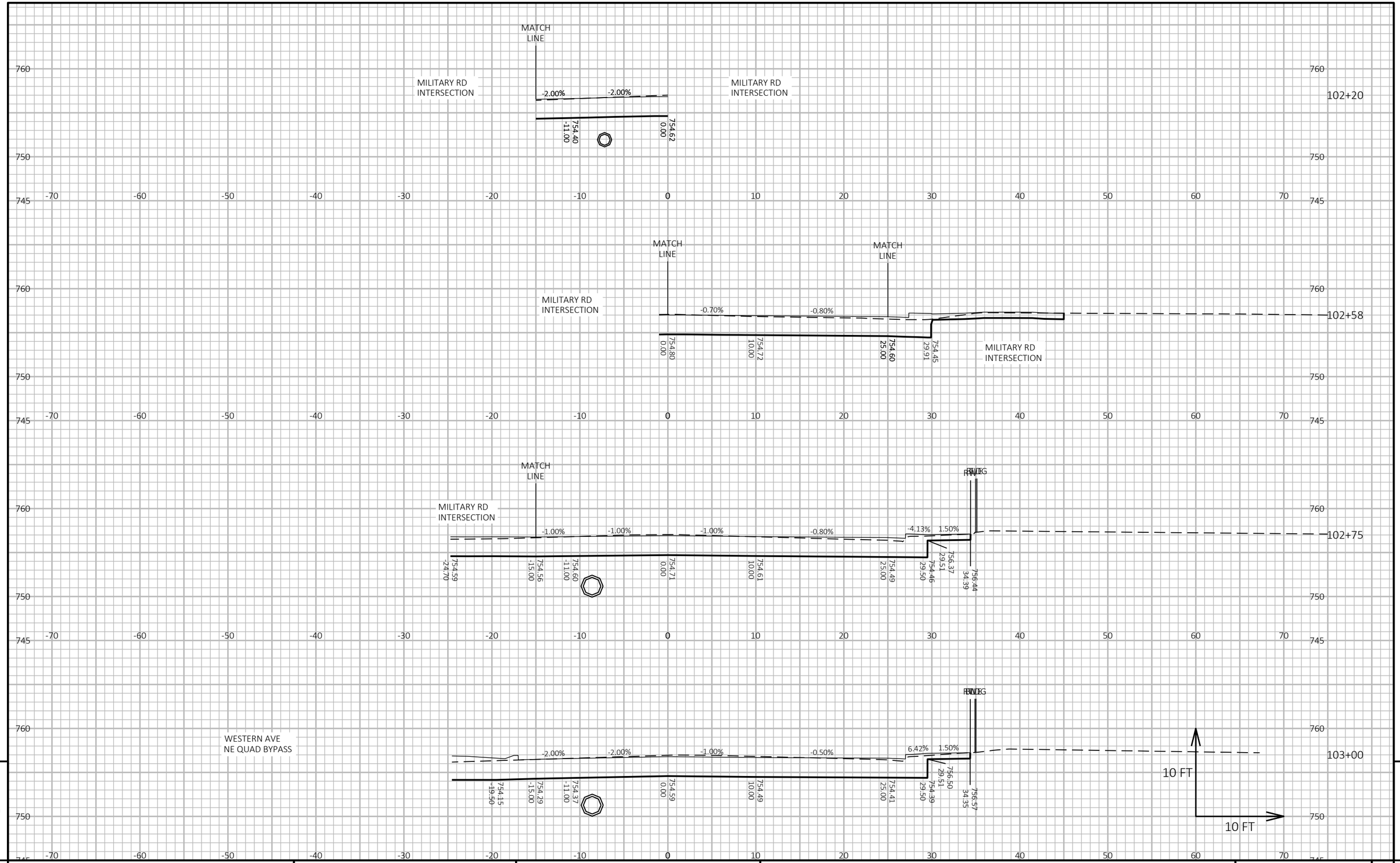
FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090204-XS MILITARY ROAD.DWG
LAYOUT NAME - 090252-xs

PLOT DATE : 10/27/2021 9:26 AM

PLOT BY : BRAD LEE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

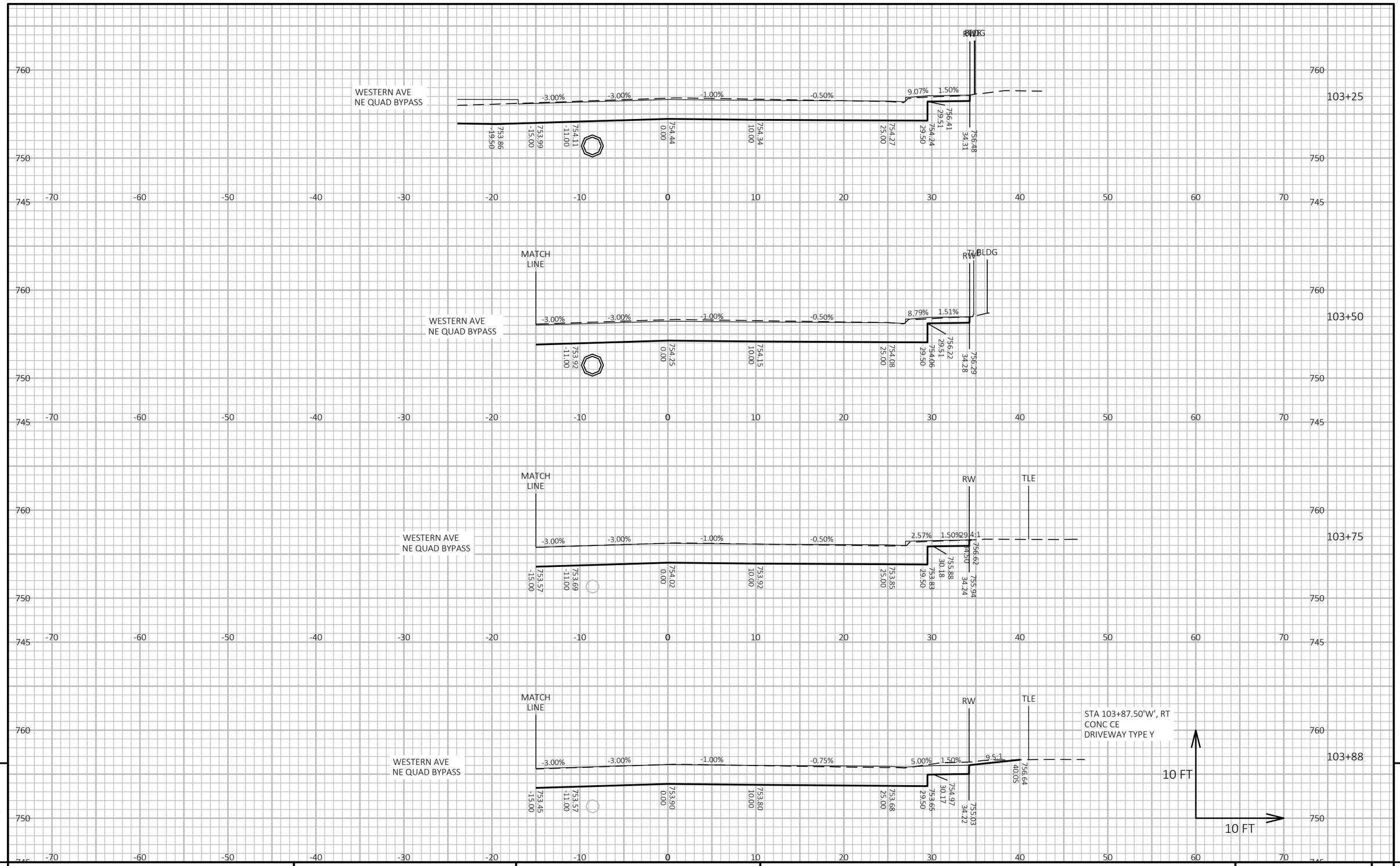


PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: WESTERN AVE. 'W'	SHEET 365 E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090204-XS MILITARY ROAD.DWG
LAYOUT NAME - 090253-xs

PLOT DATE : 10/27/2021 9:26 AM PLOT BY : BRAD LEE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

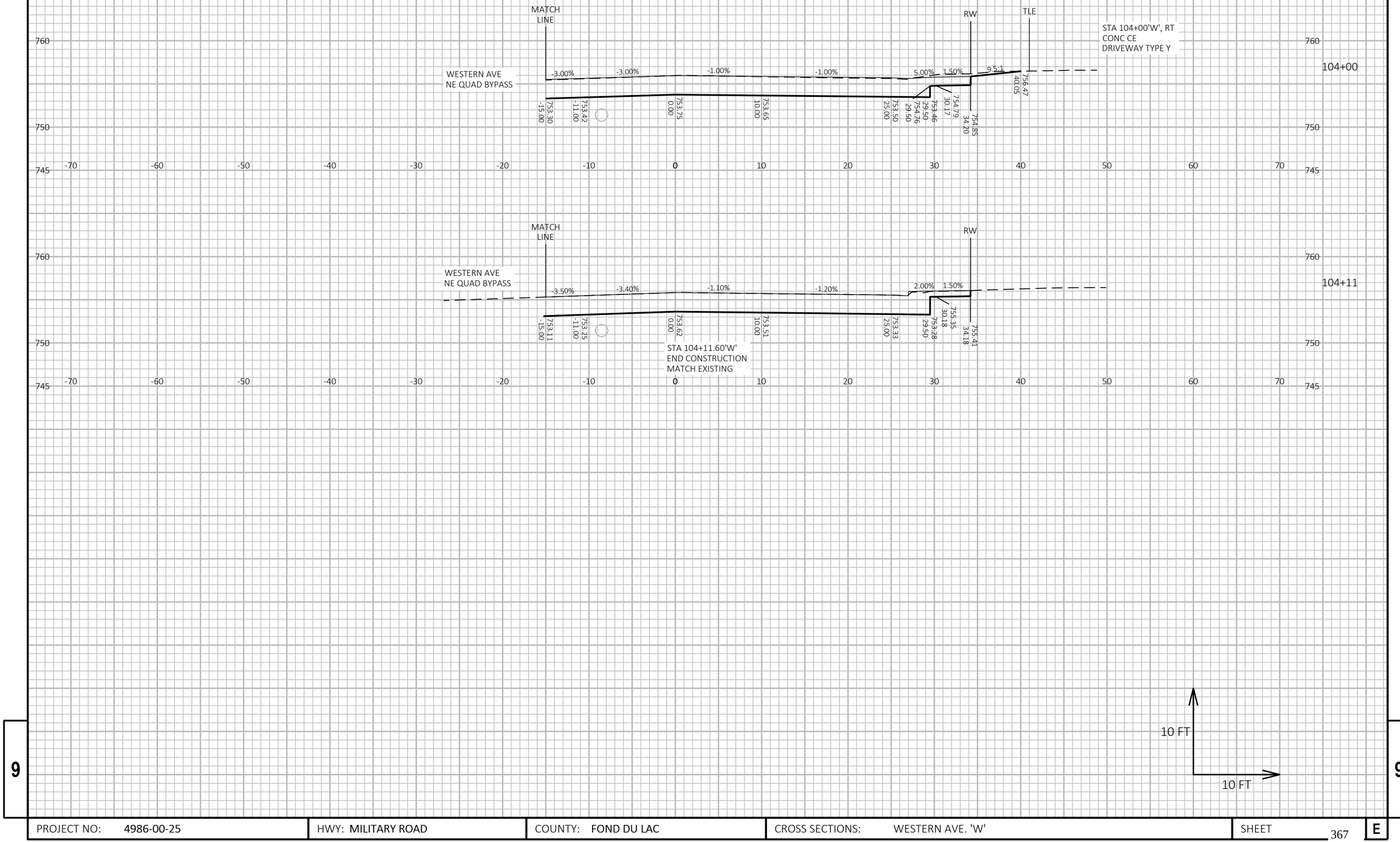
9

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: WESTERN AVE. 'W'	SHEET 366	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090204-XS MILITARY ROAD.DWG
LAYOUT NAME - 090254-xs

PLOT DATE : 10/27/2021 9:26 AM PLOT BY : BRAD LEE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

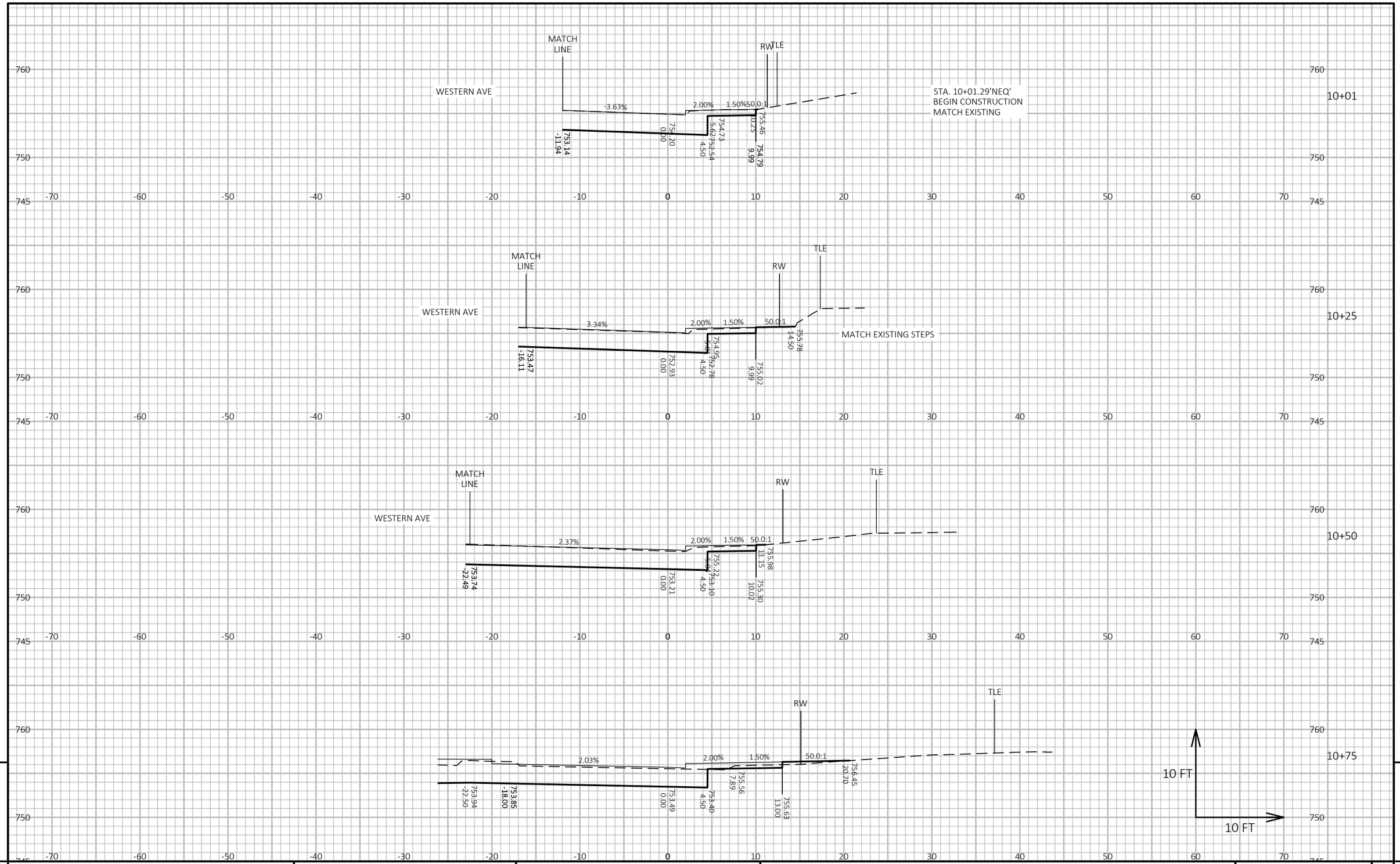


PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: WESTERN AVE. 'W'	SHEET 367	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090204-XS MILITARY ROAD.DWG
LAYOUT NAME - 090255-xs

PLOT DATE : 10/27/2021 9:26 AM PLOT BY : BRAD LEE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

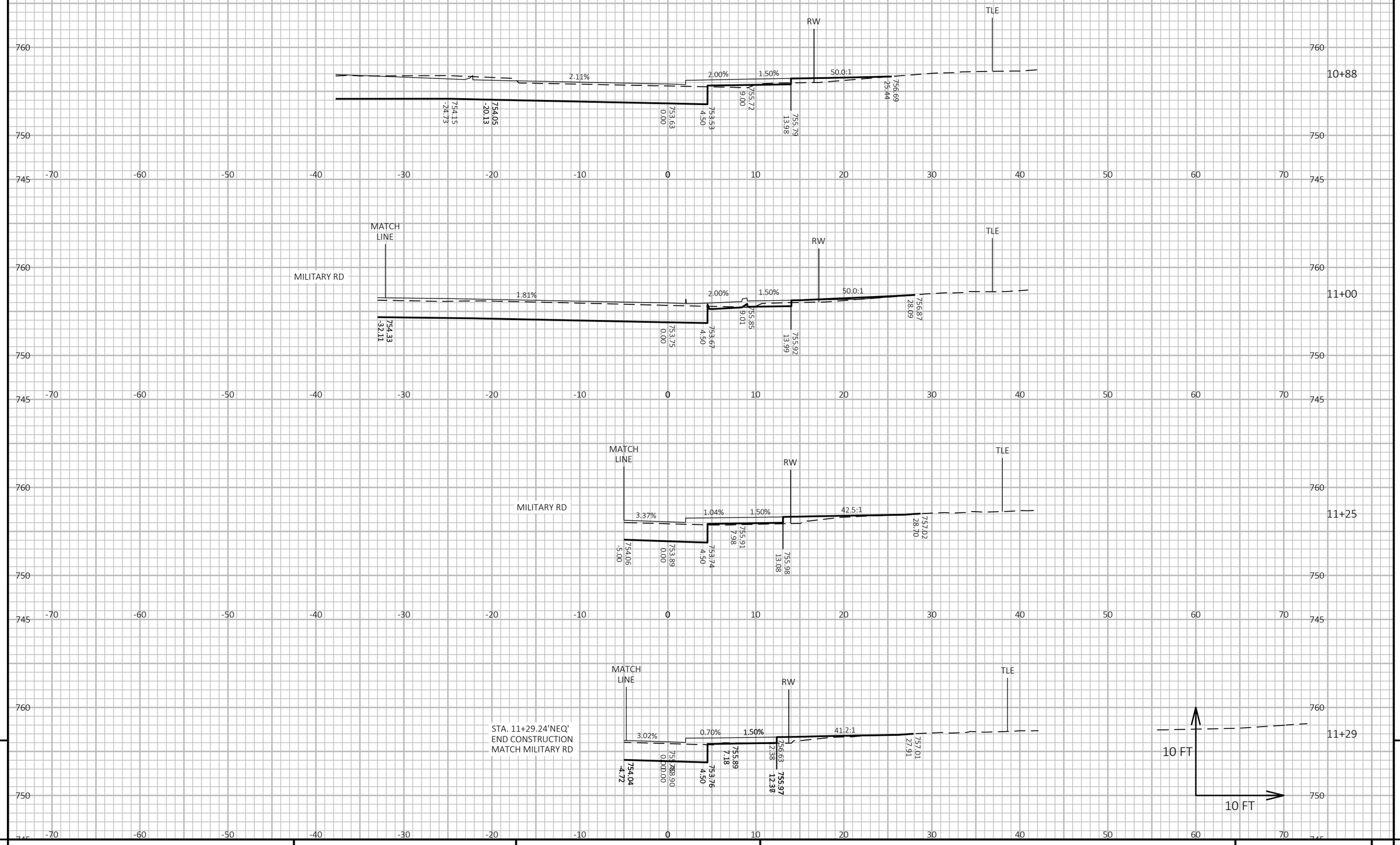
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PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: WESTERN AVE. NE QUAD 'NEQ'	SHEET 368	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090204-XS MILITARY ROAD.DWG
LAYOUT NAME - 090256-xs

PLOT DATE : 10/27/2021 9:26 AM PLOT BY : BRAD LEE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 4986-00-25	HWY: MILITARY ROAD	COUNTY: FOND DU LAC	CROSS SECTIONS: WESTERN AVE. NE QUAD 'NEQ'	SHEET 369	E

FILE NAME : P:\1800S\1870S\1878\01878045\CADD\SHEETSPLAN\090204-XS MILITARY ROAD.DWG
LAYOUT NAME - 090257-xs

PLOT DATE : 10/27/2021 9:26 AM PLOT BY : BRAD LEE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Wisconsin Department of Transportation

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